Draft Variation to Licence Area Plan
Remote Central and Eastern Australia
Radio - No.2 of 2009

NOVEMBER 2009
Draft Variation to Licence Area Plan for Remote Central and Eastern Australia Radio – No.2 of 2009

1. Enabling legislation

The Australian Communications and Media Authority makes this instrument under subsection 26(2) of the Broadcasting Services Act 1992.

2. Name of Instrument

This instrument is the Variation to the Licence Area Plan for Remote Central and Eastern Australia Radio – No. 2 of 2009.

3. Commencement

This instrument commences the day after it is registered.

Note: An instrument is registered when it is recorded on the Federal Register of Legislative Instruments (FRLI) in electronic form: see the Legislative Instruments Act 2003, s4 (definition of register). The FRLI may be accessed at http://www.frli.gov.au

4. Variation

The Licence Area Plan for Remote Central and Australia Radio determined by the Australian Broadcasting Authority on 14 October 1996 is varied as follows:

(a) in the heading on the first page – omit the words “Australian Broadcasting Authority Canberra October 1996”;

(b) in clause 53 – omit the words "Attachment 53.2" and substitute the words "Attachments 53.2 – 53.3";

(c) omit clause 57 and substitute the following clauses:

"(57) One community radio broadcasting service is to be available in the area described at Attachment 56.1 to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the service that is to be available in the area described at Attachment 56.1 are set out in Schedule Five and Attachment 56.2 to this Determination.

(58) A reference in this determination to a schedule or an attachment includes a reference to a schedule or attachment as amended from time to time."
(d) omit all the Schedules;

(e) insert, in numerical order, the Schedules of this instrument;

(f) omit all the Attachments; and

(g) insert, in numerical order, the Attachments of this instrument.

The Common Seal of the
Australian Communications and Media Authority
was affixed to this document
in the presence of:

__________________________ _______________________________
Signature of Member  Signature of Member

__________________________ _______________________________
Name (Please Print)   Name (Please Print)

Dated this _________ day of ___________ 2009.
## Schedule One

**Licence Area Plan : Remote Central and Eastern Australia Radio**  

**Licence Area :** *REMOTE COMMERCIAL RADIO SERVICE CENTRAL ZONE RA1*

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<thead>
<tr>
<th>Service Category</th>
<th>Channel/Frequency</th>
<th>Service Licence No</th>
<th>Transmitter Specification No</th>
<th>Attach No</th>
<th>Area Served</th>
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## Schedule Two

**Licence Area Plan : Remote Central and Eastern Australia Radio**  

**Licence Area :** *REMOTE COMMERCIAL RADIO SERVICE NORTH EAST ZONE RA1*

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**Schedule Three**

**Licence Area Plan : Remote Central and Eastern Australia Radio**

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<th>Channel/Frequency</th>
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<th>Transmitter Specification No</th>
<th>Attach No</th>
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### Schedule Four

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : CENTRAL ZONE RA2**

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<tr>
<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003105</td>
<td>4.15</td>
<td>Tennant Creek</td>
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<tr>
<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003106</td>
<td>4.16</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003109</td>
<td>4.17</td>
<td>Yuendumu</td>
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**Schedule Five**

*Licence Area Plan : Remote Central and Eastern Australia Radio*

**Licence Area : ALI CURUNG RA1**

<table>
<thead>
<tr>
<th>Service Category</th>
<th>Channel/ Frequency</th>
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<th>Transmitter Specification No</th>
<th>Attach No</th>
<th>Area Served</th>
</tr>
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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10110</td>
<td>TS10002282</td>
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**Schedule Six**

*Licence Area Plan : Remote Central and Eastern Australia Radio*

**Licence Area : AMATA RA1**

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<td>Community</td>
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<td>SL10150</td>
<td>TS10002887</td>
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**Schedule Seven**

*Licence Area Plan : Remote Central and Eastern Australia Radio*

**Licence Area : AURUKUN RA1**

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<th>Service Category</th>
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<td>Community</td>
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<td>SL10182</td>
<td>TS10003474</td>
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**Schedule Eight**

*Licence Area Plan : Remote Central and Eastern Australia Radio*

**Licence Area : BARUNGA RA1**

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</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10111</td>
<td>TS10003452</td>
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### Schedule Nine

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
*Licence Area : BATHURST ISLAND RA1*

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<tbody>
<tr>
<td>Community</td>
<td>98.9 MHz</td>
<td>SL10112</td>
<td>TS10003453</td>
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### Schedule Ten

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
*Licence Area : BESWICK RA1*

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<tbody>
<tr>
<td>Community</td>
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<td>SL10113</td>
<td>TS10003454</td>
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### Schedule Eleven

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
*Licence Area : BULMAN RA1*

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</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10114</td>
<td>TS10003456</td>
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### Schedule Twelve

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
*Licence Area : DAGURAGU RA1*

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<th>Channel/ Frequency</th>
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<th>Attach No</th>
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</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10115</td>
<td>TS10003012</td>
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<td>Daguragu</td>
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### Schedule Thirteen

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
*Licence Area : DOOMADGEE RA1*

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<th>Attach No</th>
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</thead>
<tbody>
<tr>
<td>Community</td>
<td>107.7 MHz</td>
<td>SL10189</td>
<td>TS10003482</td>
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<td>Doomadgee</td>
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## Schedule Fourteen

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : ERNABELLA RA1**

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<th>Area Served</th>
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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10152</td>
<td>TS10002892</td>
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## Schedule Fifteen

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : FINKE RA1**

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<tr>
<td>Community</td>
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<td>SL10116</td>
<td>TS10003013</td>
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## Schedule Sixteen

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : FREGON RA1**

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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10153</td>
<td>TS10002893</td>
<td>16.2</td>
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## Schedule Seventeen

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : GALIWINKU RA1**

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<th>Channel/Frequency</th>
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<tr>
<td>Community</td>
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<td>SL10117</td>
<td>TS10003015</td>
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## Schedule Eighteen

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : GUNUNA RA1**

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<tbody>
<tr>
<td>Community</td>
<td>107.7 MHz</td>
<td>SL10190</td>
<td>TS10003483</td>
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## Schedule Nineteen

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: HERMANNSBURG RA1

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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10118</td>
<td>TS10003018</td>
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## Schedule Twenty

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: HOPE VALE RA1

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<tbody>
<tr>
<td>Community</td>
<td>107.7 MHz</td>
<td>SL10191</td>
<td>TS10003485</td>
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## Schedule Twenty One

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: IMANPA RA1

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<tr>
<td>Community</td>
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<td>SL10119</td>
<td>TS10003019</td>
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## Schedule Twenty Two

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: INDULKANA RA1

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<th>Attach No</th>
<th>Area Served</th>
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</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10154</td>
<td>TS10002894</td>
<td>22.2</td>
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## Schedule Twenty Three

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: KINTORE RA1

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<th>Attach No</th>
<th>Area Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10120</td>
<td>TS10003021</td>
<td>23.2</td>
<td>Kintore</td>
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### Schedule Twenty Four

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
**Licence Area : KOWANYAMA RA1**

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<th>Attach No</th>
<th>Area Served</th>
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</thead>
<tbody>
<tr>
<td>Community</td>
<td>107.7 MHz</td>
<td>SL10193</td>
<td>TS10003487</td>
<td>24.2</td>
<td>Kowanyama</td>
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### Schedule Twenty Five

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
**Licence Area : LAJAMANU RA1**

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<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10121</td>
<td>TS10003022</td>
<td>25.2</td>
<td>Lajamanu</td>
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### Schedule Twenty Six

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
**Licence Area : LOCKHART RIVER RA1**

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<tbody>
<tr>
<td>Community</td>
<td>107.7 MHz</td>
<td>SL10195</td>
<td>TS10003490</td>
<td>26.2</td>
<td>Lockhart River</td>
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### Schedule Twenty Seven

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
**Licence Area : MANINGRIDA RA1**

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<th>Transmitter Specification No</th>
<th>Attach No</th>
<th>Area Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10122</td>
<td>TS10003457</td>
<td>27.2</td>
<td>Maningrida</td>
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### Schedule Twenty Eight

**Licence Area Plan : Remote Central and Eastern Australia Radio**  
**Licence Area : MILIKAPITI RA1**

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<tbody>
<tr>
<td>Community</td>
<td>99.3 MHz</td>
<td>SL10123</td>
<td>TS10003458</td>
<td>28.2</td>
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### Schedule Twenty Nine

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : MILINGIMBI RA1**

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<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10124</td>
<td>TS10002245</td>
<td>29.2</td>
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### Schedule Thirty

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : MINJILANG RA1**

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<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10125</td>
<td>TS10003459</td>
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### Schedule Thirty One

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : NGUKURR RA1**

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<tbody>
<tr>
<td>Community</td>
<td>101.3 MHz</td>
<td>SL10126</td>
<td>TS9114001</td>
<td>31.2</td>
<td>Ngukurr</td>
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### Schedule Thirty Two

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : NTURIYA RA1**

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<th>Attach No</th>
<th>Area Served</th>
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<tbody>
<tr>
<td>Community</td>
<td>105.9 MHz</td>
<td>SL10127</td>
<td>TS10003025</td>
<td>32.2</td>
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### Schedule Thirty Three

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : NUMBULWAR RA1**

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<th>Service Category</th>
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<th>Attach No</th>
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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10128</td>
<td>TS10003026</td>
<td>33.2</td>
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### Schedule Thirty Four

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : OENPELLI RA1**

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<th>Attach No</th>
<th>Area Served</th>
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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10129</td>
<td>TS10003461</td>
<td>34.2</td>
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### Schedule Thirty Five

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : PALUMPA RA1**

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<th>Attach No</th>
<th>Area Served</th>
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<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10130</td>
<td>TS10003462</td>
<td>35.2</td>
<td>Palumpa</td>
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### Schedule Thirty Six

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : PAPUNYA RA1**

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<th>Attach No</th>
<th>Area Served</th>
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<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10131</td>
<td>TS10003027</td>
<td>36.2</td>
<td>Papunya</td>
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### Schedule Thirty Seven

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : PEPPIMENARTI RA1**

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<th>Attach No</th>
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</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10132</td>
<td>TS10003463</td>
<td>37.2</td>
<td>Peppimenarti</td>
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### Schedule Thirty Eight

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : PMARA JUTUNTA RA1**

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<thead>
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<th>Channel/Frequency</th>
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<th>Transmitter Specification No</th>
<th>Attach No</th>
<th>Area Served</th>
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</thead>
<tbody>
<tr>
<td>Community</td>
<td>106.1 MHz</td>
<td>SL10133</td>
<td>TS10003028</td>
<td>38.2</td>
<td>Pmara Jutunta</td>
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### Schedule Thirty Nine

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: PORMPURAAW RA1

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<th>Channel/Frequency</th>
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<th>Attach No</th>
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<tbody>
<tr>
<td>Community</td>
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<td>SL10199</td>
<td>TS10003496</td>
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### Schedule Forty

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: PULARUMPI RA1

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<tr>
<td>Community</td>
<td>98.5 MHz</td>
<td>SL10134</td>
<td>TS10003464</td>
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### Schedule Forty One

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: RAMINGINING RA1

<table>
<thead>
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<th>Service Category</th>
<th>Channel/Frequency</th>
<th>Service Licence No</th>
<th>Transmitter Specification No</th>
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<tbody>
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<td>Community</td>
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### Schedule Forty Two

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: UMBAKUMBA RA1

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<th>Service Category</th>
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### Schedule Forty Three

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: WADEYE RA1

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### Schedule Forty Four

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: WARRUWI RA1

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### Schedule Forty Five

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: WILLOWRA RA1

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### Schedule Forty Seven

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: WUJAL WUJAL RA1

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### Schedule Forty Eight

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: YUELAMU RA1

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### Schedule Forty Nine

**Licence Area Plan**: Remote Central and Eastern Australia Radio  
**Licence Area**: YUENDUMU RA1

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### Schedule Fifty

**Licence Area Plan:** Remote Central and Eastern Australia Radio  
**Licence Area:** BORROLOOLA RA1

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### Schedule Fifty One

**Licence Area Plan:** Remote Central and Eastern Australia Radio  
**Licence Area:** WEIPA RA1

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### Schedule Fifty Two

**Licence Area Plan:** Remote Central and Eastern Australia Radio  
**Licence Area:** Dunedoo RA1

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<td></td>
<td>95.3 MHz</td>
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### Schedule Fifty Three

**Licence Area Plan:** Remote Central and Eastern Australia Radio  
**Licence Area:** COONABARABRAN RA1

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### Schedule Fifty Four

**Licence Area Plan:** Remote Central and Eastern Australia Radio  
**Licence Area:** COONAMBLE RA1

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**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : GILGANDRA RA1**

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### Schedule Fifty Six

**Licence Area Plan : Remote Central and Eastern Australia Radio**

**Licence Area : GIN GIN RA1**

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Attachment 1.1

Licence Area - REMOTE COMMERCIAL RADIO SERVICE CENTRAL ZONE RA1

Commercial Radio Service Licence numbers: SL10147

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

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<td>Timber Creek (CGC) (LGA)</td>
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<tr>
<td>Anangu Pitjantjatjara (AC) (LGA)</td>
<td>Tiwi Islands (CGC) (LGA)</td>
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<tr>
<td>Angurugu (CGC) (LGA)</td>
<td>Walangeri Ngumpinku (CGC) (LGA)</td>
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<td>Anmatjere (CGC) (LGA)</td>
<td>Wallace Rockhole (CGC) (LGA)</td>
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<td>Artarpipta (CGC) (LGA)</td>
<td>Watiyawanu (CGC) (LGA)</td>
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<td>Binjari (CGC) (LGA)</td>
<td>Yorke Peninsula (DC) (LGA)</td>
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<tr>
<td>Borroloola (CGC) (LGA)</td>
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<td>Brewarrina (A) (LGA)</td>
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<td>Kingston (DC) (LGA)</td>
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<td>Kunbarlajaninja (CGC) (LGA)</td>
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<td>Marngarr (CGC) (LGA)</td>
<td>Tennant Creek - Bal (SLA)</td>
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<td>Mataranka (CGC) (LGA)</td>
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<td>Nauiyu Nambiyu (CGC) (LGA)</td>
<td>Unincorp. Flinders Ranges (SLA)</td>
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<td>Numbulwar Numbirindi (CGC) (LGA)</td>
<td>Unincorp. Lincoln (SLA)</td>
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<td>Pine Creek (CGC) (LGA)</td>
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<td>Roxby Downs (M) (LGA)</td>
<td>Unincorp. West Coast (SLA)</td>
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<td>Southern Mallee (DC) (LGA)</td>
<td>Unincorp. Yorke (SLA)</td>
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<td>Streaky Bay (DC) (LGA)</td>
<td>Victoria (SLA)</td>
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<td>Tatiara (DC) (LGA)</td>
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<td>Tennant Creek (T) (LGA)</td>
<td>Yarra Ranges (S) - Pt B (SLA)</td>
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<td>Thamarrurr (CGC) (LGA)</td>
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<tr>
<td>Area Description</td>
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</tr>
<tr>
<td>------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>SA CD 030902</td>
<td>SA CD 050602</td>
</tr>
<tr>
<td>SA CD 030903</td>
<td>SA CD 050701</td>
</tr>
<tr>
<td>SA CD 030904</td>
<td>SA CD 050702</td>
</tr>
<tr>
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<td>SA CD 061606</td>
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<td>SA CD 030907</td>
<td>NT CD 030201</td>
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<td>SA CD 030908</td>
<td>NT CD 030202</td>
</tr>
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<td>NT CD 030203</td>
</tr>
<tr>
<td>SA CD 040102</td>
<td>NT CD 030204</td>
</tr>
<tr>
<td>SA CD 040103</td>
<td>NT CD 030205</td>
</tr>
<tr>
<td>SA CD 040201</td>
<td>NT CD 030206</td>
</tr>
<tr>
<td>SA CD 040202</td>
<td>NT CD 030207</td>
</tr>
<tr>
<td>SA CD 040203</td>
<td>NT CD 030208</td>
</tr>
<tr>
<td>SA CD 041601</td>
<td>NT CD 030209</td>
</tr>
<tr>
<td>SA CD 041602</td>
<td>NT CD 030310</td>
</tr>
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<td>SA CD 041603</td>
<td>NT CD 030701</td>
</tr>
<tr>
<td>SA CD 050101</td>
<td>NT CD 030707</td>
</tr>
<tr>
<td>SA CD 050102</td>
<td>NT CD 030710</td>
</tr>
<tr>
<td>SA CD 050103</td>
<td>NT CD 030711</td>
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<td>SA CD 050105</td>
<td>NT CD 031301</td>
</tr>
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<td>SA CD 050501</td>
<td>NT CD 031303</td>
</tr>
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<td>SA CD 050502</td>
<td>NT CD 031307</td>
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<td>SA CD 050504</td>
<td>NT CD 031314</td>
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<td>NT CD 031403</td>
</tr>
<tr>
<td>SA CD 050601</td>
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</tr>
</tbody>
</table>

**Note:**
Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(SLA) = Statistical Local Area

(A) = NSW Local Government Area (excluding Cities)

(CGC) = Community Government Council

(CD) = Collection District

(DC) = District Council

(M) = Municipality
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Apollo Bay (VIC)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005932

Transmitter Site:
Nominal location: Broadcast Site APOLLO BAY
Australian Map Grid: Zone Easting Northing
Reference 54 746475 5715155
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.9 MHz
Polarisation: Horizontal
Maximum antenna height: 15 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 30°T</td>
<td>250 W</td>
</tr>
<tr>
<td>30°T - 110°T</td>
<td>10 W</td>
</tr>
<tr>
<td>110°T - 360°T</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Bourke (NSW)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014566

Transmitter Site: -
Nominal location: Broadcast Site Mt Oxley BOURKE
Australian Map Grid: Zone Easting Northing
Reference 55 426800 6658700
Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.5 MHz
Polarisation: Vertical
Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Ceduna/Smoky Bay (SA)

Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014411

Transmitter Site: -

Nominal location: Broadcast Site 8 km East CEDUNA

Australian Map Grid: Zone Easting Northing
Reference 53 382500 6441800

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Vertical

Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>3 kW</td>
</tr>
</tbody>
</table>
Attachment 1.6

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Coober Pedy (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1130716

Transmitter Site: -
Nominal location: Imparja Site  Traeger Street  COOBER PEDY
Australian Map Grid: Zone  Easting  Northing
Reference  53  476434  6790648
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.7 MHz
Polarisation: Vertical
Maximum antenna height: 15 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Groote Eylandt (NT)

Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003568

Transmitter Site:

Nominal location: National Site Cypress Rd Alyangula GROOTE EYLANDT

Australian Map Grid: Zone Easting Northing
Reference: 53 653929 8468215

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 99.7 MHz

Polarisation: Vertical

Maximum antenna height: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Jabiru (NT)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013958

Transmitter Site: -
Nominal location: Gregory Place JABIRU
Australian Map Grid: Zone Easting Northing
Reference: 53 264700 8598300
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.5 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Kapunda (SA)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10014357

Transmitter Site :-
Nominal location : Power Comm site 6 km NNW of Dutton
MT RUFUS

Australian Map Grid :
Reference Zone Easting Northing
54 327550 6201100

Site Tolerance :
Refer to Broadcasting Services
(technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 99.5 MHz
Polarisation Vertical

Maximum antenna height 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 100°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>100°T - 130°T</td>
<td>500 W</td>
</tr>
<tr>
<td>130°T - 230°T</td>
<td>250 W</td>
</tr>
<tr>
<td>230°T - 260°T</td>
<td>500 W</td>
</tr>
<tr>
<td>260°T - 360°T</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Coonalpyn (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10012415

Transmitter Site:
Nominal location: Coorong Council Tower Binnie Lookout
Coonalpyn Road MENINGIE

Australian Map Grid: Zone 54 Easting 377800 Northing 6051200
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.7 MHz
Polarisation: Vertical
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 260°T</td>
<td>3 kW</td>
</tr>
<tr>
<td>260°T - 350°T</td>
<td>500 W</td>
</tr>
<tr>
<td>350°T - 360°T</td>
<td>3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Kingscote (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013946

Transmitter Site:
Nominal location: CFS Site Old Bullock Track KINGSCOTE
Australian Map Grid: Zone Easting Northing
Reference: 53 737528 6051899
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.5 MHz
Polarisation: Vertical
Maximum antenna height: 35 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 15°T</td>
<td>1.5 kW</td>
</tr>
<tr>
<td>15°T - 245°T</td>
<td>3 kW</td>
</tr>
<tr>
<td>245°T - 360°T</td>
<td>1.5 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : Commercial
General Area Served : Kingston SE (SA)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10014331

Transmitter Site :-
Nominal location : Broadcasting Site Ling Murraup Tank Pump Hill COOMBARGANA
Australian Map Grid : Zone 54 Easting 395200 Northing 5898500
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 107.3 MHz
Polarisation : Vertical
Maximum antenna height : 50 m

Output Radiation Pattern :-
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 210°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>210°T - 330°T</td>
<td>500 W</td>
</tr>
<tr>
<td>330°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Karoonda (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10012333

Transmitter Site:­
Nominal location: Perponda Hill 2.2km W of Fiveways Rd PERPONDA
Australian Map Grid: Zone Easting Northing
Reference: 54 393800 6129100
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:­
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.3 MHz
Polarisation: Vertical
Maximum antenna height: 25 m

Output Radiation Pattern:­

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 200°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>200°T - 350°T</td>
<td>500 W</td>
</tr>
<tr>
<td>350°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Remote Central and Eastern Australia Radio**

Category : Commercial  
General Area Served : Lord Howe Island (NSW)  
Service Licence Number : SL10147

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10004438  

**Transmitter Site :-**

Nominal location : Jetty Building Lagoon Road LORD HOWE ISLAND  
Australian Map Grid : Zone Easting Northing  
Reference 57 505600 6512100  
Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

Frequency Band & Mode VHF-FM  
Carrier Frequency : 106.5 MHz  
Polarisation : Vertical  
Maximum antenna height : 9 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Lake Mountain (VIC)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013624

Transmitter Site: -
Nominal location: Lake Mountain Road LAKE MOUNTAIN
Australian Map Grid: Zone Easting Northing
Reference 55 400500 5848900
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 89.3 MHz
Polarisation: Vertical
Maximum antenna height: 20 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 230°T</td>
<td>500 W</td>
</tr>
<tr>
<td>230°T - 250°T</td>
<td>250 W</td>
</tr>
<tr>
<td>250°T - 360°T</td>
<td>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : Commercial
General Area Served : Mt St Leonard (VIC)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10005934

Transmitter Site :-
Nominal location : Telstra site MT ST LEONARD
Australian Map Grid : Zone Easting Northing
Reference 55 369675 5840960
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.3 MHz
Polarisation : Mixed
Maximum antenna height : 40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 170°T</td>
<td>24 W</td>
</tr>
<tr>
<td>170°T - 350°T</td>
<td>2 W</td>
</tr>
<tr>
<td>350°T - 360°T</td>
<td>24 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Nhulunbuy (NT)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003570

Transmitter Site :-
Nominal location : Broadcast Hut Mt Saunders NHULUNBUY

Australian Map Grid : Zone Easting Northing Reference
53 693198 8652590

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 101.3 MHz
Polarisation Vertical
Maximum antenna height 45 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Pinnaroo (SA)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10013945

Transmitter Site :-
Nominal location : Broadcast Site Tank Hill
Australian Map Grid : Zone Easting Northing
Reference 54 495500 6086000
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 96.5 MHz
Polarisation Mixed
Maximum antenna height 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 120°T</td>
<td>4 kW</td>
</tr>
<tr>
<td>120°T - 210°T</td>
<td>1.5 kW</td>
</tr>
<tr>
<td>210°T - 360°T</td>
<td>4 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Maitland (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10012343

Transmitter Site:
Nominal location: Tank Site 5.5 km east MAITLAND
Australian Map Grid: Zone 53 Easting 751040 Northing 6193550
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 90.9 MHz
Polarisation: Vertical
Maximum antenna height: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 30°T</td>
<td>500 W</td>
</tr>
<tr>
<td>30°T - 50°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>50°T - 80°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>80°T - 260°T</td>
<td>4 kW</td>
</tr>
<tr>
<td>260°T - 290°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>290°T - 320°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>320°T - 360°T</td>
<td>500 W</td>
</tr>
</tbody>
</table>

Special Conditions:
If the provision of this service causes unacceptable interference to the GTS4 commercial television broadcasting service within this service’s licence area, the licensee must reduce the maximum ERP to a level that avoids that interference.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Roxby Downs (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014413

**Transmitter Site:**
Nominal location: Broadcast Site 1.5 km N of ROXBY DOWNS
Australian Map Grid: Zone 53 Easting 682000 Northing 6619000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.9 MHz
Polarisation: Vertical
Maximum antenna height: 30 m

**Output Radiation Pattern:**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 120°T</td>
<td>1.3 kW</td>
</tr>
<tr>
<td>120°T - 150°T</td>
<td>650 W</td>
</tr>
<tr>
<td>150°T - 210°T</td>
<td>375 W</td>
</tr>
<tr>
<td>210°T - 240°T</td>
<td>650 W</td>
</tr>
<tr>
<td>240°T - 360°T</td>
<td>1.3 kW</td>
</tr>
</tbody>
</table>
 LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial

General Area Served : Streaky Bay (SA)

Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10014410

Transmitter Site :-
Nominal location : Council Site 25 km east Streaky Bay MEDLINGIE HILL

Australian Map Grid : Zone 53 Easting 451557 Northing 6369094

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 99.3 MHz
Polarisation : Mixed
Maximum antenna height : 40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>4 kW</td>
</tr>
</tbody>
</table>

acma | 43
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Tennant Creek (NT)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003571

Transmitter Site :-
Nominal location : Imparja Broadcast Site 3 km NNE of TENNANT CREEK
Australian Map Grid : Zone Easting Northing
Reference 53 418249 7828682
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 100.5 MHz
Polarisation Vertical
Maximum antenna height 55 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
</tr>
</tbody>
</table>
Attachment 1.24

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Padthaway East (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10012323

Transmitter Site: -
Nominal location: Broadcast Site Collins Hill Bordertown Rd
PADTHAWAY EAST

Australian Map Grid: Zone Easting Northing
Reference 54 462651 5951099

Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.3 MHz
Polarisation: Vertical
Maximum antenna height: 25 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 140°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>140°T - 200°T</td>
<td>2 kW</td>
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<td>200°T - 360°T</td>
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Special Conditions: -
If the provision of this service causes unacceptable interference to the co-channel Mt Barker commercial radio broadcasting service as a result of tropospheric ducting, the licensee must reduce the maximum ERP in the direction of Mt Barker to a level that avoids interference.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Woomera (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1130762

Transmitter Site:
Nominal location: 5RRR Studio Site WOOMERA
Australian Map Grid: Zone Easting Northing
Reference: 53 673752 6546935
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.7 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

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<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<td>At all angles of azimuth</td>
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LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: Commercial
General Area Served: Minlaton (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10014369

Transmitter Site:
Nominal location: Broadcast Site South Australia Water Tank Stansbury Road MINLATON
Australian Map Grid: Zone 53 Easting 744500 Northing 6146500
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.9 MHz
Polarisation: Vertical
Maximum antenna height: 25 m

Output Radiation Pattern:

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<td>330°T - 360°T</td>
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Special Conditions:
If the provision of this service causes unacceptable interference to the GTS4 commercial television broadcasting service within this service’s licence area, the licensee must reduce the maximum ERP to a level that avoids that interference.
Attachment 2.1

Licence Area - REMOTE COMMERCIAL RADIO SERVICE NORTH EAST ZONE RA1

**Commercial Radio Service Licence numbers:** SL10216, SL1150711

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

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</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area
(A) = NSW Local Government Area (excluding Cities)
(CD) = Collection District
(S) = Shire
(T) = Town
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Alpha (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003647

Transmitter Site:
Nominal location: Broadcast Site 4 km N of ALPHA

Australian Map Grid: Zone Easting Northing
Reference: 55 461689 7388338

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.9 MHz
Polarisation: Vertical
Maximum antenna height: 70 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Banana (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS1133261

Transmitter Site:
Nominal location: Rebel Media Site BANANA RANGE
Australian Map Grid: Zone Easting Northing
Reference: 56 227810 7293293
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 88.9 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Bourke (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004310

Transmitter Site:
Nominal location: Broadcast Site Mt Oxley BOURKE
Australian Map Grid: Zone 55 Easting 426800 Northing 6658700
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.9 MHz
Polarisation: Vertical
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
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</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Burrum Heads (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003257

Transmitter Site:
Nominal location: Broadcast Site BURRUM HEADS

Australian Map Grid: Zone Easting Northing
Reference: 56 460997 7214003

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.9 MHz
Polarisation: Mixed
Maximum antenna height: 15 m

Output Radiation Pattern:

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<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<td>At all angles of azimuth</td>
<td>75 W</td>
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</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Chinchilla (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002765

Transmitter Site: -

Nominal location: Water Tower cnr Middle and Colamba Sts

Australian Map Grid: Zone Easting Northing

Reference: 56 263730 7039740

Site Tolerance: Refer to Broadcasting Services

(technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 95.5 MHz

Polarisation: Vertical

Maximum antenna height: 50 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<tbody>
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<td>At all angles of azimuth</td>
<td>175 W</td>
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</table>
Attachment 2.7

**LICENCE AREA PLAN**: Remote Central and Eastern Australia Radio

**Category**: Commercial

**General Area Served**: Collinsville (QLD)

**Service Licence Number**: SL10216

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number**: TS10003654

**Transmitter Site**:

**Nominal location**: Broadcast Site MT DEVLIN

**Australian Map Grid**: Zone Easting Northing

Reference 55 587326 7730108

**Site Tolerance**: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission**:

**Frequency Band & Mode**: VHF-FM

**Carrier Frequency**: 94.9 MHz

**Polarisation**: Vertical

**Maximum antenna height**: 26 m

**Output Radiation Pattern**:

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<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
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</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Comboyne (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003157

Transmitter Site: -
Nominal location: Broadcast Site 3.5 km South of Summit MOUNT BULLI

Australian Map Grid: Zone Easting Northing
Reference 56 449409 6503764

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 89.5 MHz
Polarisation: Vertical
Maximum antenna height: 20 m

Output Radiation Pattern: -

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<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<td>0°T - 130°T</td>
<td>500 W</td>
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<td>130°T - 240°T</td>
<td>20 W</td>
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<td>240°T - 360°T</td>
<td>500 W</td>
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</table>
Attachment 2.9

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Cooktown (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003661

Transmitter Site:
Nominal location: Broadcast Site Hope St COOKTOWN
Australian Map Grid: Zone Easting Northing
Reference: 55 312231 8288413
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.7 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
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</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Coolah (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003700

Transmitter Site: -
Nominal location: Prime Television Site Queensborough Near COOLAH
Australian Map Grid: Zone Easting Northing
Reference: 55 758100 6481000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.3 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
**Attachment 2.11**

**LICENCE AREA PLAN:** Remote Central and Eastern Australia Radio

Category: Commercial  
General Area Served: Coonamble (NSW)  
Service Licence Number: SL10216

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10004445

**Transmitter Site:**

Nominal location: Broadcast Site Council Chambers COONAMBLE

Australian Map Grid: Zone 55  Easting 632000  Northing 6574500

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**

Frequency Band & Mode: VHF-FM  
Carrier Frequency: 89.5 MHz  
Polarisation: Vertical  
Maximum antenna height: 40 m

**Output Radiation Pattern:**

<table>
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<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<tbody>
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<td>At all angles of azimuth</td>
<td>100 W</td>
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</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Dirranbandi (QLD)
Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1133288

**Transmitter Site :-**
Nominal location : Water Tower DIRRANBANDI
Australian Map Grid : Zone 55 Easting 619250 Northing 6837250
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**
Frequency Band & Mode : VHF-FM
Carrier Frequency : 98.1 MHz
Polarisation : Mixed
Maximum antenna height : 50 m

**Output Radiation Pattern :-**

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<thead>
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<th>Maximum ERP</th>
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<td>At all angles of azimuth</td>
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</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Childers (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013051

Transmitter Site: -
Nominal location: BA Site, MT GOONANEMAN
Australian Map Grid: Zone Easting Northing
Reference: 56 411105 7187299
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.7 MHz
Polarisation: Mixed
Maximum antenna height: 70 m

Output Radiation Pattern: -

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<th>Bearing or Sector (Clockwise direction)</th>
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<td>At all angles of azimuth</td>
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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Julia Creek (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003664

Transmitter Site:
Nominal location: Telstra Radio Terminal JULIA CREEK
Australian Map Grid: Zone Easting Northing
Reference 54 576914 7715974
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.5 MHz
Polarisation: Vertical
Maximum antenna height: 60 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Karumba (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003666

Transmitter Site: -
Nominal location: Broadcast Site KARUMBA
Australian Map Grid: Zone Easting Northing
Reference: 54 481043 8064208

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.1 MHz
Polarisation: Vertical
Maximum antenna height: 40 m

Output Radiation Pattern: -

<table>
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<th>Bearing or Sector (Clockwise direction)</th>
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<td>At all angles of azimuth</td>
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LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial

General Area Served : Kilcoy (QLD)

Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003235

Transmitter Site :-
Nominal location : Council Reservoir Saleyard Road KILCOY

Australian Map Grid : Zone Easting Northing
Reference 56 457780 7019060

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 100.5 MHz
Polarisation Mixed
Maximum antenna height 50 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
**LICENCE AREA PLAN:** Remote Central and Eastern Australia Radio  
**Category:** Commercial  
**General Area Served:** Meandarra (QLD)  
**Service Licence Number:** SL10216  

**TECHNICAL SPECIFICATION - FM Radio**  
**Specification Number:** TS10003658  

**Transmitter Site:**  
**Nominal location:** Broadcast Site Yellowcap Ridge  
**MEANDARRA**  
**Australian Map Grid:** Zone Easting Northing  
Reference 55 761000 6956300  
**Site Tolerance:** Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*  

**Emission:**  
**Frequency Band & Mode:** VHF-FM  
**Carrier Frequency:** 99.5 MHz  
**Polarisation:** Mixed  
**Maximum antenna height:** 20 m  

**Output Radiation Pattern:**  
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Miles (QLD)
Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10002732

Transmitter Site :-
Nominal location : Telstra Radio Terminal Miles Hill 8 km E of Miles off Warrego Hwy MILES HILL

Australian Map Grid : Zone Easting Northing
Reference 56 228207 7049297

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 94.5 MHz
Polarisation Vertical
Maximum antenna height 40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>500 W</td>
</tr>
</tbody>
</table>
Attachment 2.19

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Monto (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002724

Transmitter Site:
Nominal location: Broadcast Site MULGILDIE PLATEAU
Australian Map Grid: Zone Easting Northing
Reference: 56 316800 7234800
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.1 MHz
Polarisation: Vertical
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Normanton (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003668

Transmitter Site: -

Nominal location: Broadcast Site Hospital Hill

Australian Map Grid: Zone 54

Reference: 508979 8045107

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 101.7 MHz

Polarisation: Mixed

Maximum antenna height: 40 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Nyngan (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003702

Transmitter Site: --
Nominal location: Broadcast tower 3km S of NYNGAN
Australian Map Grid: Zone Easting Northing
Reference: 55 517100 6505000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: --
Frequency Band & Mode: VHF-FM
Carrier Frequency: 96.7 MHz
Polarisation: Vertical
Maximum antenna height: 50 m

Output Radiation Pattern: --

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Beaudesert (QLD)
Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10013050

Transmitter Site :-
Nominal location : 4TAB/SUN FM Site MT DUNSINANE
Australian Map Grid : Zone Easting Northing
Reference 56 503874 6910755
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 90.5 MHz
Polarisation : Mixed
Maximum antenna height : 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Richmond (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003669

Transmitter Site:
Nominal location: Telstra Radio Terminal RICHMOND

Australian Map Grid: Zone Easting Northing
Reference: 54 724521 7703861

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.7 MHz
Polarisation: Mixed
Maximum antenna height: 60 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Tara (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002779

Transmitter Site:
Nominal location: Broadcast Site 25km East of TARA
Australian Map Grid: Zone Easting Northing
Reference: 56 273900 6980508
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 91.1 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1.5 kW</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Remote Central and Eastern Australia Radio**

Category : Commercial

General Area Served : Taroom (QLD)

Service Licence Number : SL10216

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10002694

**Transmitter Site :-**

Nominal location : Broadcast Site Cranmer St TAROOM

Australian Map Grid : Zone Easting Northing
Reference 55 781515 7160575

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

Frequency Band & Mode VHF-FM

Carrier Frequency : 102.1 MHz

Polarisation Vertical

Maximum antenna height 40 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Tenterfield (NSW)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133268

Transmitter Site:

Nominal location: New Tenterfield Council Site MT MACKENZIE

Australian Map Grid: Zone Easting Northing
Reference: 56 399807 6781803

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 93.7 MHz

Polarisation: Vertical

Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>4 kW</td>
</tr>
</tbody>
</table>

Special Conditions:

The ACMA’s calculations indicate that signal overspill will not exceed 54 dBuV/m with the above technical specification. However, the licensee of this service is reminded of its obligation to minimise overspill into neighbouring licence areas in accordance with the Broadcasting Services (Technical Planning) Guidelines 2007.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Thursday Island (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003672

Transmitter Site: Broadcast Site Green Hill THURSDAY ISLAND
Nominal location: Green Hill THURSDAY ISLAND
Australian Map Grid: Zone 54 Easting 632497 Northing 8829800
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.9 MHz
Polarisation: Vertical
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Wandoan (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014379

Transmitter Site: -
Nominal location: Water Tower WANDOAN
Australian Map Grid: Zone Easting Northing
Reference: 55 795796 7107172
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.5 MHz
Polarisation: Vertical
Maximum antenna height: 25 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Warrumbungle (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005705

Transmitter Site :-
Nominal location: Castletop Radio Developments Site Needle Mountain By COONABARABRAN
Australian Map Grid: Zone Easting Northing
Reference 55 692495 6530300
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.9 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Weipa (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003674

Transmitter Site:
Nominal location: Water Tower WEIPA
Australian Map Grid: Zone Easting Northing
Reference 54 595465 8603480
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 96.1 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Wilcannia (NSW)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003704

Transmitter Site:
Nominal location: Broadcast Site WILCANNIA

Australian Map Grid: Zone Easting Northing
Reference: 54 725917 6506641

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.7 MHz
Polarisation: Vertical
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : Commercial
General Area Served : Yelarbon (QLD)
Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10002828

Transmitter Site :-
Nominal location : South of Curriba  YELARBON
Australian Map Grid : Zone Easting Northing
Reference  56 277000 6847500
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode  VHF-FM
Carrier Frequency : 95.5 MHz
Polarisation  Mixed
Maximum antenna height  40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Stanthorpe (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10008599

Transmitter Site:
Nominal location: Broadcast Site Mt Marlay STANTHORPE
Australian Map Grid: Zone Easting Northing
Reference 56 396991 6829751
Site Tolerance: Refer to Broadcasting Services
(technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.1 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>

Special Conditions:
This service is interference limited; only field strength levels of 66 dBuV/m and above will be protected from interference.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Kooralbyn (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10010306

Transmitter Site:
Nominal location: Broadcast Site Haygarth Dr KOORALBYN
Australian Map Grid: Zone Easting Northing
Reference: 56 486040 6894200

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.5 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
Attachment 2.35

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Beaudesert (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013049

Transmitter Site: -
Nominal location: 4TAB/SUN FM Site MT DUNSINANE

Australian Map Grid: Zone Easting Northing
Reference 56 503874 6910755

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 92.1 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Kooralbyn (QLD)

Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10010305

Transmitter Site:
Nominal location: Broadcast Site Haygarth Dr KOORALBYN

Australian Map Grid: Zone Easting Northing
Reference 56 486040 6894200

Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.3 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Mount Tamborine (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10010402

Transmitter Site: -
Nominal location: Station X Comms Site, Golf Course Rd, MOUNT TAMBORINE
Australian Map Grid: Zone 56, Easting 520895, Northing 6905930
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.4 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 35°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>35°T - 135°T</td>
<td>30 W</td>
</tr>
<tr>
<td>135°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Mount Tamborine (QLD)
Service Licence Number : SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10011920

Transmitter Site :-
Nominal location : Station X Comms Site  Golf Course Rd
 MOUNT TAMBORINE

Australian Map Grid : Zone  Easting  Northing
Reference  56  520895  6905930

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 100.6 MHz
Polarisation Mixed
Maximum antenna height 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 35°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>35°T - 135°T</td>
<td>30 W</td>
</tr>
<tr>
<td>135°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Eagle Heights (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS6560001

Transmitter Site:
Nominal location: Telstra Radio Terminal Eagle Heights MOUNT TAMBORINE
Australian Map Grid: Zone Easting Northing
Reference: 56 519570 6910794
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 91.3 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Canungra (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10010408

Transmitter Site:
Nominal location: Council Site Laheys Lookout MOUNT TAMBORINE

Australian Map Grid:
Reference Zone 56 Easting 517900 Northing 6902960

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 93.7 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

Special Conditions:
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Eagle Heights (QLD)
Service Licence Number : SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10011919

Transmitter Site :-
Nominal location : Telstra Radio Terminal Eagle Heights
MOUNT TAMBORINE

Australian Map Grid : Zone Easting Northing
Reference 56 519570 6910794

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 88.9 MHz
Polarisation : Mixed
Maximum antenna height : 20 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Canungra (QLD)
Service Licence Number : SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10010213

Transmitter Site :-
Nominal location : Council Site Laheys Lookout MOUNT TAMBORINE
Australian Map Grid : Zone 56  Easting 517900  Northing 6902960
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 92.9 MHz
Polarisation : Mixed
Maximum antenna height : 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Inglewood (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013046

Transmitter Site: -
Nominal location: Inglewood Shire Council Site BRACKER FOREST

Australian Map Grid: Zone Easting Northing
Reference
56 313250 6841850

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.3 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>

Special Conditions: -
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Texas (QLD)
Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10013180

Transmitter Site :-
Nominal location : Broadcast Australia Site 3 km NE of TEXAS
Australian Map Grid : Zone Easting Northing
Reference 56 324747 6807931
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 94.5 MHz
Polarisation Mixed
Maximum antenna height 15 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Childers (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013047

Transmitter Site:
Nominal location: BA site MT GOONANEEMAN
Australian Map Grid: Zone Easting Northing Reference
56 411105 7187299

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.5 MHz
Polarisation: Mixed
Maximum antenna height: 70 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>500 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Inglewood (QLD)

Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013190

Transmitter Site :-
Nominal location: Inglewood Shire Council Site  BRACKER FOREST

Australian Map Grid: Zone Easting Northing
Reference 56 313250 6841850

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode: VHF-FM
Carrier Frequency: 90.9 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>

Special Conditions :-
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Kilcoy (QLD)

Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013041

**Transmitter Site:**

Nominal location: Broadcast Site Council Reservoir Saleyard Rd KILCOY

Australian Map Grid: Zone Easting Northing
Reference: 56 457780 7019060

Site Tolerance: Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission:**

Frequency Band & Mode: VHF-FM

Carrier Frequency: 102.9 MHz

Polarisation: Mixed

Maximum antenna height: 50 m

**Output Radiation Pattern:**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>

**Special Conditions:**

The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Texas (QLD)
Service Licence Number : SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10013043

Transmitter Site :-
Nominal location : Broadcast Australia Site 3 km NE of TEXAS
Australian Map Grid : Zone Easting Northing
Reference 56 324747 6807931
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 91.3 MHz
Polarisation Mixed
Maximum antenna height 15 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
Attachment 2.51

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Barrington / Stratford (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS1133263

Transmitter Site: -
Nominal location: Rebel Media site Kiaora Lookout GLOUCESTER

Australian Map Grid:
Reference Zone: 56
Easting: 400343
Northing: 6463052

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.7 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
Attachment 2.52

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Coomba Park/Stroud (NSW)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013609

Transmitter Site: 2GLA FM Broadcast Station Cabbage Tree Mountain via BULAHDELAH

Australian Map Grid: Zone Easting Northing
Reference 56 417050 6430505

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 94.1 MHz

Polarisation: Vertical

Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 20°T</td>
<td>640 W</td>
</tr>
<tr>
<td>20°T - 40°T</td>
<td>490 W</td>
</tr>
<tr>
<td>40°T - 60°T</td>
<td>360 W</td>
</tr>
<tr>
<td>60°T - 120°T</td>
<td>250 W</td>
</tr>
<tr>
<td>120°T - 140°T</td>
<td>360 W</td>
</tr>
<tr>
<td>140°T - 160°T</td>
<td>490 W</td>
</tr>
<tr>
<td>160°T - 180°T</td>
<td>690 W</td>
</tr>
<tr>
<td>180°T - 360°T</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Coomba Park/Stroud (NSW)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013610

Transmitter Site:
Nominal location: 2GLA FM Broadcast Station Cabbage Tree Mountain via BULAHDELAH

Australian Map Grid: Zone Easting Northing
Reference: 56 417050 6430505

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 93.1 MHz
Polarisation: Vertical
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 20°T</td>
<td>640 W</td>
</tr>
<tr>
<td>20°T - 40°T</td>
<td>490 W</td>
</tr>
<tr>
<td>40°T - 60°T</td>
<td>360 W</td>
</tr>
<tr>
<td>60°T - 120°T</td>
<td>250 W</td>
</tr>
<tr>
<td>120°T - 140°T</td>
<td>360 W</td>
</tr>
<tr>
<td>140°T - 160°T</td>
<td>490 W</td>
</tr>
<tr>
<td>160°T - 180°T</td>
<td>640 W</td>
</tr>
<tr>
<td>180°T - 360°T</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : Commercial
General Area Served : Bourke (NSW)
Service Licence Number : SL1150711

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10014415

Transmitter Site :-
Nominal location : Broadcast Site Mt Oxley BOURKE
Australian Map Grid : Zone Easting Northing
Reference 55 426800 6658700
Site Tolerance : Refer to Broadcasting Services
(technical planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.3 MHz
Polarisation Vertical
Maximum antenna height 40 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Clockwise direction)</td>
<td></td>
</tr>
<tr>
<td>At all angles of azimuth</td>
<td>3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Chinchilla (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002767

Transmitter Site:
Nominal location: Water Tower cnr Middle & Colamba Sts
CHINCILLA
Australian Map Grid: ZoneEastin Northing
Reference 56 263730 7039740
Site Tolerance: Refer to Broadcasting Services
(technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.1 MHz
Polarisation: Vertical
Maximum antenna height: 50 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>175 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Weipa (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014417

Transmitter Site:
Nominal location: Water Tower WEIPA

Australian Map Grid: Zone Easting Northing
Reference 54 595465 8603480

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.7 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Alpha (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003845

Transmitter Site:
Nominal location: Broadcast Site 4 km N of ALPHA

Australian Map Grid: Zone Easting Northing
Reference: 55 461689 7388338

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.3 MHz
Polarisation: Mixed
Maximum antenna height: 70 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment 3.3

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Alpha (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003846

Transmitter Site:
Nominal location: Broadcast Site 4 km N of ALPHA
Australian Map Grid: Zone Easting Northing
Reference: 55 461689 7388338
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.7 MHz
Polarisation: Mixed
Maximum antenna height: 70 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Andamooka (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10002897

Transmitter Site :-
Nominal location : Telstra Radio Site ANDAMOOKA
Australian Map Grid : Zone Easting Northing
Reference 53 707858 6626606
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 105.9 MHz
Polarisation Mixed
Maximum antenna height 36 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Andamooka (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002898

Transmitter Site :-
Nominal location : Telstra Radio Site ANDAMOOKA
Australian Map Grid : Zone Easting Northing
Reference 53 707858 6626606
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.5 MHz
Polarisation Mixed
Maximum antenna height 36 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Balranald (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004331

Transmitter Site:
Nominal location: Telstra Exchange BALRANALD
Australian Map Grid: Zone Easting Northing
Reference 54 735030 6163751
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 93.1 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Balranald (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004490

Transmitter Site:-
Nominal location: Telstra Exchange BALRANALD
Australian Map Grid: Zone Easting Northing
Reference 54 735030 6163751
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-
Frequency Band & Mode: VHF-FM
Carrier Frequency: 91.5 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Bathurst Island (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003991

Transmitter Site:
Nominal location: Broadcast Site Mission Hill BATHURST ISLAND
Australian Map Grid: Zone Easting Northing
Reference: 52 670632 8697632
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 92.9 MHz
Polarisation: Mixed
Maximum antenna height: 42 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Bathurst Island (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003992

Transmitter Site :-

Nominal location : Broadcast Site Mission Hill BATHURST ISLAND

Australian Map Grid : Zone Easting Northing
Reference 52 670632 8697632

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode VHF-FM
Carrier Frequency : 91.3 MHz
Polarisation Mixed
Maximum antenna height 42 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Birdsville (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003854

Transmitter Site :-
Nominal location : Broadcast Planning Site BIRDSVILLE
Australian Map Grid : Zone Easting Northing
Reference 54 334500 7134100
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation : Mixed
Maximum antenna height : 43 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Birdsville (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003855

Transmitter Site:
Nominal location: Broadcast Planning Site BIRDSVILLE
Australian Map Grid: Zone Easting Northing
Reference: 54 334500 7134100
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 43 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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Attachment 3.12

LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National

General Area Served : Bordertown (SA)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10005893

Transmitter Site :-

Nominal location : Telstra Radio Terminal 24 Dunsley St BORDERTOWN

Australian Map Grid : Zone Easting Northing
Reference 54 478678 5981892

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 90.5 MHz

Polarisation Mixed

Maximum antenna height 60 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
Attachment 3.13

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Borroloola (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003149

Transmitter Site:
Nominal location: Broadcast Site Robinson Road
BORROLOOLA

Australian Map Grid: Zone Easting Northing
Reference 53 639609 8224523

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 32 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Remote Central and Eastern Australia Radio**

Category : National  
General Area Served : Borroloola (NT)  
Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003150

**Transmitter Site :-**

Nominal location : Broadcast Site Robinson Road  
BORROLOOLA

Australian Map Grid : Zone  Easting  Northing  
Reference  53  639609  8224523

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

Frequency Band & Mode : VHF-FM  
Carrier Frequency : 107.7 MHz  
Polarisation : Mixed

Maximum antenna height : 27 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Bourke (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10004496

Transmitter Site :-
Nominal location : Broadcast Site Mt Oxley BOURKE
Australian Map Grid : Zone Easting Northing
Reference 55 426800 6658700
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 101.1 MHz
Polarisation Mixed
Maximum antenna height 32 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>20 kW</td>
</tr>
</tbody>
</table>
 LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Byrock (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10004001

Transmitter Site :-
Nominal location : Broadcast Site BYROCK
Australian Map Grid : Zone 55 Easting 445000 Northing 6608900
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 657 kHz

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 0°T</td>
<td>0</td>
<td>1.505 kV</td>
</tr>
<tr>
<td>10°T - 10°T</td>
<td>0</td>
<td>1.535 kV</td>
</tr>
<tr>
<td>20°T - 20°T</td>
<td>0</td>
<td>1.51 kV</td>
</tr>
<tr>
<td>30°T - 30°T</td>
<td>0</td>
<td>1.42 kV</td>
</tr>
<tr>
<td>40°T - 40°T</td>
<td>0</td>
<td>1.27 kV</td>
</tr>
<tr>
<td>50°T - 50°T</td>
<td>0</td>
<td>1.075 kV</td>
</tr>
<tr>
<td>60°T - 60°T</td>
<td>0</td>
<td>855 V</td>
</tr>
<tr>
<td>70°T - 70°T</td>
<td>0</td>
<td>630 V</td>
</tr>
<tr>
<td>80°T - 80°T</td>
<td>0</td>
<td>425 V</td>
</tr>
<tr>
<td>90°T - 90°T</td>
<td>0</td>
<td>255 V</td>
</tr>
<tr>
<td>100°T - 100°T</td>
<td>0</td>
<td>135 V</td>
</tr>
<tr>
<td>110°T - 110°T</td>
<td>0</td>
<td>85 V</td>
</tr>
<tr>
<td>120°T - 120°T</td>
<td>0</td>
<td>80 V</td>
</tr>
<tr>
<td>130°T - 130°T</td>
<td>0</td>
<td>85 V</td>
</tr>
<tr>
<td>140°T - 140°T</td>
<td>0</td>
<td>135 V</td>
</tr>
<tr>
<td>150°T - 150°T</td>
<td>0</td>
<td>255 V</td>
</tr>
<tr>
<td>160°T - 160°T</td>
<td>0</td>
<td>425 V</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>170°T - 170°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>180°T - 180°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>190°T - 190°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>200°T - 200°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>210°T - 210°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>220°T - 220°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>230°T - 230°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>240°T - 240°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>250°T - 250°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>260°T - 260°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>270°T - 270°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>280°T - 280°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>290°T - 290°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>300°T - 300°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>310°T - 310°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>320°T - 320°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>330°T - 330°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>340°T - 340°T</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>350°T - 350°T</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Camooweal (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003914

**Transmitter Site:**
Nominal location: Broadcast Site 6 km E of CAMOOWEAL
Australian Map Grid: Zone Easting Northing
Reference: 54 204219 7794667
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

**Output Radiation Pattern:**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 256°T</td>
<td>40 W</td>
</tr>
<tr>
<td>256°T - 322°T</td>
<td>160 W</td>
</tr>
<tr>
<td>322°T - 360°T</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Camooweal (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003915

Transmitter Site: -
Nominal location: Broadcast Site 6 km E of CAMOOWEAL
Australian Map Grid: Zone 54 Easting 204219 Northing 7794667
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 256°T</td>
<td>40 W</td>
</tr>
<tr>
<td>256°T - 322°T</td>
<td>160 W</td>
</tr>
<tr>
<td>322°T - 360°T</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Ceduna/Smoky Bay (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002899

Transmitter Site:
Nominal location: Telstra Site 10 km east of Ceduna
KONGWIRRA

Australian Map Grid:
Reference: Zone 53 Easting 385699 Northing 6443365

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 32 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Coen (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003917

Transmitter Site:-
Nominal location: Telstra Radio Terminal COEN
Australian Map Grid: Zone Easting Northing Reference 54 737848 8457883
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.5 MHz
Polarisation: Mixed
Maximum antenna height: 26 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment 3.21

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Coen (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003918

Transmitter Site:
Nominal location: Telstra Radio Terminal COEN
Australian Map Grid: Zone Easting Northing
Reference: 54 737848 8457883
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.9 MHz
Polarisation: Mixed
Maximum antenna height: 26 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Collinsville (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002791

Transmitter Site :-
Nominal location : Broadcast Site MT DEVLIN
Australian Map Grid : Zone Easting Northing
Reference 55 587326 7730108
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation Mixed
Maximum antenna height 31 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Collinsville (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002792

Transmitter Site: -
Nominal location: Broadcast Site MT DEVLIN
Australian Map Grid: Zone Easting Northing
Reference: 55 587326 7730108
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 31 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Coober Pedy (SA)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002900

Transmitter Site: -

Nominal location: Telstra North Site  Traeger Street  COOBER PEDY

Australian Map Grid: Zone  Easting  Northing
Reference 53  476420  6790537

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Mixed

Maximum antenna height: 35 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Coober Pedy (SA)
Service Licence Number: Not applicable

TECHNICALSPECIFICATION - FM Radio

Specification Number: TS10002901

Transmitter Site: -
Nominal location: Telstra North Site Traeger Street COOBER PEDY
Australian Map Grid: Zone Easting Northing
Reference 53 476420 6790537
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 35 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Cooktown (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002760

Transmitter Site:

Nominal location: Broadcast Site Hope St COOKTOWN

Australian Map Grid: Zone东经 Northing

Reference 55 312231 8288413

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.3 MHz

Polarisation: Mixed

Maximum antenna height: 33 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Cooktown (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002762

Transmitter Site:
Nominal location: Broadcast Site Hope St COOKTOWN

Australian Map Grid: Zone Easting Northing Reference
55 312231 8288413

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.7 MHz
Polarisation: Mixed
Maximum antenna height: 33 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Daly River (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003993

Transmitter Site:
Nominal location: Telstra Radio Tower Mission DALY RIVER
Australian Map Grid: Zone Easting Northing
Reference 52 682522 8479001
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 24 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Daly River (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003994

Transmitter Site:
Nominal location: Telstra Radio Tower Mission DALY RIVER
Australian Map Grid: Zone Easting Northing
Reference: 52 682522 8479001
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 24 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Dirranbandi (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002741

Transmitter Site:
Nominal location: Broadcast Site 4 km NE of Dirranbandi
Australian Map Grid:
Reference: Zone 55  Easting 622175  Northing 6840174
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.3 MHz
Polarisation: Mixed
Maximum antenna height: 50 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Galiwinku (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003170

Transmitter Site:
Nominal location: Broadcast Site Galiwinku ELCHO ISLAND
Australian Map Grid: Zone Easting Northing
Reference 53 562197 8670797
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.5 MHz
Polarisation: Mixed
Maximum antenna height: 27 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Galiwinku (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003171

Transmitter Site :-
Nominal location : Broadcast Site Galiwinku ELCHO ISLAND
Australian Map Grid : Zone 53 Easting 562197 Northing 8670797
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 105.9 MHz
Polarisation : Mixed
Maximum antenna height : 32 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Georgetown (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003928

Transmitter Site :-
Nominal location : Broadcast Site Forsyth Road 1 km S of GEORGETOWN

Australian Map Grid : Zone 54 Easting 768901 Northing 7974199

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation : Mixed
Maximum antenna height : 35 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Georgetown (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003929

Transmitter Site: -
Nominal location: Broadcast Site Forsyth Road 1 km S of GEORGETOWN

Australian Map Grid: Zone Easting Northing
Reference 54 768901 7974199

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 35 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Goodooga (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002948

Transmitter Site:
Nominal location: Broadcast Site 3km SE of GOODOOGA
Australian Map Grid: Zone Easting Northing
Reference 55 546205 6776986
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.3 MHz
Polarisation: Mixed
Maximum antenna height: 50 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Goodooga (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002949

Transmitter Site:
Nominal location: Broadcast Site 3km SE of GOODOOGA
Australian Map Grid: Zone Easting Northing
Reference: 55 546205 6776986
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.9 MHz
Polarisation: Mixed
Maximum antenna height: 50 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Greenvale (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003930

Transmitter Site:
Nominal location: Broadcast Site 2km SE of Greenvale
Australian Map Grid: Zone Easting Northing
Reference: 55 287564 7897604
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.9 MHz
Polarisation: Mixed
Maximum antenna height: 65 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Remote Central and Eastern Australia Radio**

Category : National

General Area Served : Greenvale (QLD)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003931

**Transmitter Site :-**

Nominal location : Broadcast Site 2km SE of GREENVALE

Australian Map Grid : Zone Easting Northing
Reference 55 287564 7897604

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**

Frequency Band & Mode : VHF-FM

Carrier Frequency : 101.9 MHz

Polarisation : Mixed

Maximum antenna height : 65 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Groote Eylandt (NT)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003172

Transmitter Site: -
Nominal location: National Site Cypress Rd Alyangula GROOTE EYLANDT

Australian Map Grid: Zone Easting Northing
Reference 53 653929 8468215

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 33 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Clockwise direction)</td>
<td></td>
</tr>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Groote Eylandt (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003173

**Transmitter Site:**
Nominal location: National Site Cypress Rd Alyangula GROOTE EYLANDT
Australian Map Grid: Zone Easting Northing
Reference
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

**Output Radiation Pattern:**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Hawker (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002960

Transmitter Site:
Nominal location: Broadcasting site 4 km South-East HAWKER
Australian Map Grid: Zone Easting Northing
Reference 54 258300 6465300
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.5 MHz
Polarisation: Mixed
Maximum antenna height: 32 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Ivanhoe (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002950

Transmitter Site:
Nominal location: Broadcast Site 3km SW of IVANHOE
Australian Map Grid: Zone Easting Northing
Reference 55 245386 6353969
Site Tolerance: Refer to Broadcasting Services
(technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 65 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENSE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Ivanhoe (NSW)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003999

Transmitter Site:

Nominal location: Broadcast Site 3km SW of IVANHOE

Australian Map Grid: Zone Easting Northing
Reference: 55 245386 6353969

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.7 MHz

Polarisation: Mixed

Maximum antenna height: 70 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment: 3.44

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Jabiru (NT)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003174

Transmitter Site:

Nominal location: Telstra Repeater Site Gregory Place JABIRU

Australian Map Grid: Zone Easting Northing
Reference 53 264686 8598275

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.7 MHz

Polarisation: Mixed

Maximum antenna height: 84 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Jabiru (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio
Specification Number: TS10003176

Transmitter Site:
Nominal location: MF Broadcast Site 2km NE of JABIRU
Australian Map Grid: Zone Easting Northing
Reference: 53 266299 8599795
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 747 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>135 V</td>
</tr>
</tbody>
</table>

Notes:
The CMF elevation at all elevations is not to exceed the specified CMF at 0 degrees elevation for all angles of azimuth.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Julia Creek (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003934

Transmitter Site: -
Nominal location: Telstra Radio Terminal JULIA CREEK

Australian Map Grid: Zone Easting Northing
Reference: 54 576914 7715974

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.5 MHz
Polarisation: Mixed
Maximum antenna height: 60 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment 3.47

**LICENCE AREA PLAN :** Remote Central and Eastern Australia Radio

<table>
<thead>
<tr>
<th>Category</th>
<th>National</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Area Served</td>
<td>Julia Creek (QLD)</td>
</tr>
<tr>
<td>Service Licence Number</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECIFICATION - AM Radio**

| Specification Number       | TS10003935                      |

**Transmitter Site :-**

- Nominal location: AM Broadcast Site Flinders Hwy JULIA CREEK
- Australian Map Grid:
  - Zone: 54
  - Easting: 585500
  - Northing: 7716100
- Site Tolerance: Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

- Frequency Band & Mode: MF-AM
- Carrier Frequency: 567 kHz

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 0°T</td>
<td>0</td>
<td>1.605 kV</td>
</tr>
<tr>
<td>10°T - 10°T</td>
<td>0</td>
<td>1.6 kV</td>
</tr>
<tr>
<td>20°T - 20°T</td>
<td>0</td>
<td>1.59 kV</td>
</tr>
<tr>
<td>30°T - 30°T</td>
<td>0</td>
<td>1.56 kV</td>
</tr>
<tr>
<td>40°T - 40°T</td>
<td>0</td>
<td>1.515 kV</td>
</tr>
<tr>
<td>50°T - 50°T</td>
<td>0</td>
<td>1.445 kV</td>
</tr>
<tr>
<td>60°T - 60°T</td>
<td>0</td>
<td>1.34 kV</td>
</tr>
<tr>
<td>70°T - 70°T</td>
<td>0</td>
<td>1.21 kV</td>
</tr>
<tr>
<td>80°T - 80°T</td>
<td>0</td>
<td>1.055 kV</td>
</tr>
<tr>
<td>90°T - 90°T</td>
<td>0</td>
<td>885 V</td>
</tr>
<tr>
<td>100°T - 100°T</td>
<td>0</td>
<td>710 V</td>
</tr>
<tr>
<td>110°T - 110°T</td>
<td>0</td>
<td>535 V</td>
</tr>
<tr>
<td>120°T - 120°T</td>
<td>0</td>
<td>375 V</td>
</tr>
<tr>
<td>130°T - 130°T</td>
<td>0</td>
<td>245 V</td>
</tr>
<tr>
<td>140°T - 140°T</td>
<td>0</td>
<td>145 V</td>
</tr>
<tr>
<td>150°T - 150°T</td>
<td>0</td>
<td>95 V</td>
</tr>
<tr>
<td>Angle 1 (°T) - Angle 2 (°T)</td>
<td>Voltage</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td>160°T - 160°T</td>
<td>0</td>
<td>85 V</td>
</tr>
<tr>
<td>170°T - 170°T</td>
<td>0</td>
<td>85 V</td>
</tr>
<tr>
<td>180°T - 180°T</td>
<td>0</td>
<td>95 V</td>
</tr>
<tr>
<td>190°T - 190°T</td>
<td>0</td>
<td>145 V</td>
</tr>
<tr>
<td>200°T - 200°T</td>
<td>0</td>
<td>245 V</td>
</tr>
<tr>
<td>210°T - 210°T</td>
<td>0</td>
<td>375 V</td>
</tr>
<tr>
<td>220°T - 220°T</td>
<td>0</td>
<td>535 V</td>
</tr>
<tr>
<td>230°T - 230°T</td>
<td>0</td>
<td>710 V</td>
</tr>
<tr>
<td>240°T - 240°T</td>
<td>0</td>
<td>885 V</td>
</tr>
<tr>
<td>250°T - 250°T</td>
<td>0</td>
<td>1.055 kV</td>
</tr>
<tr>
<td>260°T - 260°T</td>
<td>0</td>
<td>1.21 kV</td>
</tr>
<tr>
<td>270°T - 270°T</td>
<td>0</td>
<td>1.34 kV</td>
</tr>
<tr>
<td>280°T - 280°T</td>
<td>0</td>
<td>1.445 kV</td>
</tr>
<tr>
<td>290°T - 290°T</td>
<td>0</td>
<td>1.515 kV</td>
</tr>
<tr>
<td>300°T - 300°T</td>
<td>0</td>
<td>1.56 kV</td>
</tr>
<tr>
<td>310°T - 310°T</td>
<td>0</td>
<td>1.59 kV</td>
</tr>
<tr>
<td>320°T - 320°T</td>
<td>0</td>
<td>1.6 kV</td>
</tr>
<tr>
<td>330°T - 330°T</td>
<td>0</td>
<td>1.605 kV</td>
</tr>
<tr>
<td>340°T - 340°T</td>
<td>0</td>
<td>1.605 kV</td>
</tr>
<tr>
<td>350°T - 350°T</td>
<td>0</td>
<td>1.605 kV</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Karumba (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002755

Transmitter Site :-
Nominal location : Broadcast Site KARUMBA
Australian Map Grid : Zone Easting Northing
Reference 54 481043 8064208
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation Mixed
Maximum antenna height 42 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN:  Remote Central and Eastern Australia Radio

Category:  National

General Area Served:  Karumba (QLD)

Service Licence Number:  Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number:  TS10002756

Transmitter Site:
Nominal location:  Broadcast Site KARUMBA

Australian Map Grid:  Zone Easting Northing Reference
54 481043 8064208

Site Tolerance:  Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode:  VHF-FM
Carrier Frequency:  106.1 MHz
Polarisation:  Mixed
Maximum antenna height:  33 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Keith (SA)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005886

Transmitter Site:

Nominal location: Telstra Site 10.1 km north of KEITH

Australian Map Grid: Zone Easting Northing
Reference: 54 440089 6014799

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 96.9 MHz

Polarisation: Mixed

Maximum antenna height: 50 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Lameroo (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005884

Transmitter Site: -
Nominal location: Telstra Site Vardon Terrace LAMEROO
Australian Map Grid: Zone Easting Northing
Reference 54 455610 6090217
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.7 MHz
Polarisation: Mixed
Maximum antenna height: 80 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Lameroo (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005885

Transmitter Site: -
Nominal location: Telstra Site Vardon Terrace LAMEROO
Australian Map Grid: Zone Easting Northing
Reference 54 455610 6090217
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.5 MHz
Polarisation: Mixed
Maximum antenna height: 80 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Laura (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003936

Transmitter Site:
Nominal location: Laura Post Office LAURA
Australian Map Grid: Zone Easting Northing
Reference 55 225800 8278200

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 44 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Laura (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003937

Transmitter Site:-

Nominal location: Laura Post Office  LAURA

Australian Map Grid: Zone  Easting  Northing
Reference  55  225800  8278200

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Mixed

Maximum antenna height: 44 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Leigh Creek South (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002902

Transmitter Site :-
Nominal location : Broadcasting site SSE of LEIGH CREEK
Australian Map Grid : Zone Easting Northing Reference 54 250996 6611752
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation : Mixed
Maximum antenna height : 32 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Leigh Creek South (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10003203

Transmitter Site :-
Nominal location : Broadcasting site SSE of LEIGH CREEK
Australian Map Grid : Zone Easting Northing
Reference 54 250996 6611752
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 1602 kHz

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>94 V</td>
</tr>
</tbody>
</table>

Notes :-
The CMF elevation at all elevations is not to exceed the specified CMF at 0 degrees elevation for all angles of azimuth.
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Marree (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10002903

**Transmitter Site :**
Nominal location : Broadcast Site Callanda Station 2km SW of MARREE
Australian Map Grid : Zone Easting Northing
Reference 54 215264 6715912
Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :**
Frequency Band & Mode VHF-FM
Carrier Frequency : 105.7 MHz
Polarisation Mixed
Maximum antenna height 32 m

**Output Radiation Pattern :**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Marree (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002904

Transmitter Site:
Nominal location: Broadcast Site Callanda Station 2km SW of MARREE
Australian Map Grid: Zone 54 Easting 215264 Northing 6715912
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.3 MHz
Polarisation: Mixed
Maximum antenna height: 32 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Mataranka (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003995

Transmitter Site:
Nominal location: Telstra Radio Terminal 8203
Mataranka

Australian Map Grid: Zone Easting Northing
Reference 53 291142 8347738

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 51 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Mataranka (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003996

Transmitter Site :-
Nominal location : Telstra Radio Terminal 8203
MATARANKA
Australian Map Grid : Zone Easting Northing
Reference 53 291142 8347738
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation : Mixed
Maximum antenna height : 51 m

Output Radiation Pattern :-
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Meandarra (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003877

Transmitter Site:
Nominal location: Broadcast Site Yellowcap Ridge MEANDARRA
Australian Map Grid: Zone 55 Easting 761000 Northing 6956300
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.3 MHz
Polarisation: Mixed
Maximum antenna height: 26 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Menindee (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005949

Transmitter Site:
Nominal location: Broadcast Site 7km North of MENINDEE
Australian Map Grid: Zone Easting Northing
Reference: 54 632975 6421015
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.3 MHz
Polarisation: Mixed
Maximum antenna height: 64 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Menindee (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004000

Transmitter Site:
Nominal location: Broadcast Site 7km North of MENINDEE
Australian Map Grid: Zone Easting Northing
Reference: 54 632975 6421015
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.7 MHz
Polarisation: Mixed
Maximum antenna height: 64 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Miles (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003878

Transmitter Site:
Nominal location: Telstra Radio Terminal Miles Hill 8 km E of Miles off Warrego Hwy MILES HILL

Australian Map Grid: Zone Easting Northing
Reference 56 228207 7049297

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 92.1 MHz
Polarisation: Mixed
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>650 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Monto (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003881

Transmitter Site:
Nominal location: Broadcast Site MULGILDIE PLATEAU
Australian Map Grid: Zone Easting Northing
Reference: 56 316800 7234800
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.5 MHz
Polarisation: Mixed
Maximum antenna height: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 25°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>25°T - 40°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>40°T - 300°T</td>
<td>500 W</td>
</tr>
<tr>
<td>300°T - 315°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>315°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
Attachment 3.66

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Monto (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003882

Transmitter Site: 
Nominal location: Broadcast Site MULGILDIE PLATEAU
Australian Map Grid: Zone Easting Northing
Reference: 56 316800 7234800
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: 
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.9 MHz
Polarisation: Mixed
Maximum antenna height: 26 m

Output Radiation Pattern: 

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 25°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>25°T - 40°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>40°T - 300°T</td>
<td>500 W</td>
</tr>
<tr>
<td>300°T - 315°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>315°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Mount Garnet (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003938

Transmitter Site:
Nominal location: Water Treatment Plant MOUNT GARNET
Australian Map Grid: Zone 55 Easting 300242 Northing 8043844
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 97.3 MHz
Polarisation: Mixed
Maximum antenna height: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Mount Garnet (QLD)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003939

Transmitter Site: -

Nominal location: Water Treatment Plant MOUNT GARNET

Australian Map Grid: Zone Easting Northing
Reference 55 300242 8043844

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.7 MHz
Polarisation: Mixed
Maximum antenna height: 25 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Newcastle Waters (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003177

Transmitter Site :-
Nominal location : Broadcast Site NEWCASTLE WATERS
Australian Map Grid : Zone Easting Northing
Reference 53 335374 8072590
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation Mixed
Maximum antenna height 53 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>

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LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Newcastle Waters (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003178

Transmitter Site:
Nominal location: Broadcast Site NEWCASTLE WATERS
Australian Map Grid: Zone Easting Northing
Reference 53 335374 8072590
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 53 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Nhulunbuy (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10003175

Transmitter Site:
Nominal location: MF Broadcast Site NHULUNBUY
Australian Map Grid: Zone 53 Easting 694962 Northing 8651707
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 990 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>220 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN :  Remote Central and Eastern Australia Radio
Category : National
General Area Served : Nhulunbuy (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003184

Transmitter Site :-
Nominal location : Broadcast Hut Mt Saunders NHULUNBUY
Australian Map Grid : Zone Easting Northing
Reference 53 693198 8652590
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation Mixed
Maximum antenna height 41 m

Output Radiation Pattern :-
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Normanton (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002749

Transmitter Site: -
Nominal location: Broadcast Site Hospital Hill NORMANTON

Australian Map Grid: Zone Easting Northing
Reference  54  508979  8045107

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.3 MHz
Polarisation: Mixed
Maximum antenna height: 34 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Normanton (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002750

Transmitter Site:
Nominal location: Broadcast Site Hospital Hill NORMANTON

Australian Map Grid:
Reference: Zone 54 Easting 508979 Northing 8045107

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.7 MHz
Polarisation: Mixed
Maximum antenna height: 34 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Nyngan (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002772

Transmitter Site :-
Nominal location : Broadcast tower 3km S of NYNGAN
Australian Map Grid : Zone Easting Northing
Reference 55 517100 6505000
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 95.1 MHz
Polarisation Mixed
Maximum antenna height 50 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Pentland (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003950

Transmitter Site :-
Nominal location : Telstra Radio Terminal  Twilight Hill
PENTLAND

Australian Map Grid : Zone  Easting  Northing
Reference  55  33912  773810

Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode  VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation  Mixed
Maximum antenna height 20 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Pentland (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003951

Transmitter Site:
Nominal location: Telstra Radio Terminal Twilight Hill PENTLAND

Australian Map Grid:
Reference: Zone 55, Easting 333912, Northing 7733810

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment 3.78

LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Pine Creek (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003997

Transmitter Site :-
Nominal location : Broadcast Site PINE CREEK
Australian Map Grid : Zone Easting Northing
Reference 52 806541 8469875
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation Mixed
Maximum antenna height 18 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Pine Creek (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003998

Transmitter Site:
Nominal location: Broadcast Site PINE CREEK
Australian Map Grid: Zone Easting Northing
Reference: 52 806541 8469875
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 18 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Pinnaroo (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002905

Transmitter Site:-
Nominal location: Telstra Site Lot 30 Bone Road Pinnaroo

Australian Map Grid: Zone Easting Northing
Reference 54  490739  6098504

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-
Frequency Band & Mode: VHF-FM
Carrier Frequency: 94.1 MHz
Polarisation: Mixed
Maximum antenna height: 60 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Pinnaroo (SA)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002906

Transmitter Site:
Nominal location: Telstra Site Lot 30 Bone Road PINNAROO

Australian Map Grid: Zone Easting Northing
Reference: 54 490739 6098504

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.1 MHz
Polarisation: Mixed
Maximum antenna height: 60 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>150 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : National
General Area Served : Richmond (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10002758

Transmitter Site :-
Nominal location : Telstra Radio Terminal  RICHMOND
Australian Map Grid : Zone  Easting   Northing
Reference  54  724521  7703861
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode  VHF-FM
Carrier Frequency : 107.7 MHz
Polarisation  Mixed
Maximum antenna height  69 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Roxby Downs (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10000543

Transmitter Site:
Nominal location: Telstra site Olympic Road 1.5 km N of ROXBYS DOWNS
Australian Map Grid: Zone Easting Northing
Reference 53 681592 6618915
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.9 MHz
Polarisation: Vertical
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 50°T</td>
<td>1.3 kW</td>
</tr>
<tr>
<td>50°T - 90°T</td>
<td>600 W</td>
</tr>
<tr>
<td>90°T - 260°T</td>
<td>200 W</td>
</tr>
<tr>
<td>260°T - 300°T</td>
<td>500 W</td>
</tr>
<tr>
<td>300°T - 360°T</td>
<td>1.3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : National
General Area Served : Roxby Downs (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10000544

Transmitter Site :-
Nominal location : Telstra site Olympic Road 1.5 km N of ROXBYS DOWNS
Australian Map Grid : Zone Easting Northing
Reference 53 681592 6618915
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 102.7 MHz
Polarisation Vertical
Maximum antenna height 41 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 50°T</td>
<td>1.3 kW</td>
</tr>
<tr>
<td>50°T - 90°T</td>
<td>600 W</td>
</tr>
<tr>
<td>90°T - 260°T</td>
<td>200 W</td>
</tr>
<tr>
<td>260°T - 300°T</td>
<td>500 W</td>
</tr>
<tr>
<td>300°T - 360°T</td>
<td>1.3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Roxby Downs (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002907

Transmitter Site:
Nominal location: Telstra site Olympic Road 1.5 km N of ROXBYS DOWNS

Australian Map Grid: Zone Easting Northing
Reference: 53 681592 6618915

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.5 MHz
Polarisation: Vertical
Maximum antenna height: 41 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 50°T</td>
<td>1.3 kW</td>
</tr>
<tr>
<td>50°T - 90°T</td>
<td>600 W</td>
</tr>
<tr>
<td>90°T - 260°T</td>
<td>200 W</td>
</tr>
<tr>
<td>260°T - 300°T</td>
<td>500 W</td>
</tr>
<tr>
<td>300°T - 360°T</td>
<td>1.3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Streaky Bay (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002908

Transmitter Site :-
Nominal location : Broadcast Site 5 km NNW of STREAKY BAY
Australian Map Grid : Zone Easting Northing
Reference 53 424285 6375228
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 100.9 MHz
Polarisation Mixed
Maximum antenna height 117 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 220°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>220°T - 300°T</td>
<td>200 W</td>
</tr>
<tr>
<td>300°T - 360°T</td>
<td>2 kW</td>
</tr>
</tbody>
</table>
Attachment 3.87

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Streaky Bay (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10003202

Transmitter Site -
Nominal location: Broadcast Site STREAKY BAY

Australian Map Grid: Zone Easting Northing
Reference: 53 424004 6375237

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission -
Frequency Band & Mode: MF-AM
Carrier Frequency: 693 kHz

Output Radiation Pattern -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 0°T</td>
<td>0</td>
<td>220 V</td>
</tr>
<tr>
<td>10°T - 10°T</td>
<td>0</td>
<td>210 V</td>
</tr>
<tr>
<td>20°T - 20°T</td>
<td>0</td>
<td>170 V</td>
</tr>
<tr>
<td>30°T - 30°T</td>
<td>0</td>
<td>240 V</td>
</tr>
<tr>
<td>40°T - 40°T</td>
<td>0</td>
<td>275 V</td>
</tr>
<tr>
<td>50°T - 50°T</td>
<td>0</td>
<td>270 V</td>
</tr>
<tr>
<td>60°T - 60°T</td>
<td>0</td>
<td>230 V</td>
</tr>
<tr>
<td>70°T - 70°T</td>
<td>0</td>
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<td>80°T - 80°T</td>
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<td>130 V</td>
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<tr>
<td>90°T - 90°T</td>
<td>0</td>
<td>250 V</td>
</tr>
<tr>
<td>100°T - 100°T</td>
<td>0</td>
<td>430 V</td>
</tr>
<tr>
<td>110°T - 110°T</td>
<td>0</td>
<td>615 V</td>
</tr>
<tr>
<td>120°T - 120°T</td>
<td>0</td>
<td>760 V</td>
</tr>
<tr>
<td>130°T - 130°T</td>
<td>0</td>
<td>835 V</td>
</tr>
<tr>
<td>140°T - 140°T</td>
<td>0</td>
<td>830 V</td>
</tr>
<tr>
<td>150°T - 150°T</td>
<td>0</td>
<td>740 V</td>
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<tr>
<td>160°T - 160°T</td>
<td>0</td>
<td>590 V</td>
</tr>
<tr>
<td>170°T - 170°T</td>
<td>0</td>
<td>405 V</td>
</tr>
<tr>
<td>180°T - 180°T</td>
<td>0</td>
<td>230 V</td>
</tr>
<tr>
<td>190°T - 190°T</td>
<td>0</td>
<td>125 V</td>
</tr>
<tr>
<td>200°T - 200°T</td>
<td>0</td>
<td>160 V</td>
</tr>
<tr>
<td>210°T - 210°T</td>
<td>0</td>
<td>230 V</td>
</tr>
<tr>
<td>220°T - 220°T</td>
<td>0</td>
<td>265 V</td>
</tr>
<tr>
<td>230°T - 230°T</td>
<td>0</td>
<td>260 V</td>
</tr>
<tr>
<td>240°T - 240°T</td>
<td>0</td>
<td>215 V</td>
</tr>
<tr>
<td>250°T - 250°T</td>
<td>0</td>
<td>145 V</td>
</tr>
<tr>
<td>260°T - 260°T</td>
<td>0</td>
<td>135 V</td>
</tr>
<tr>
<td>270°T - 270°T</td>
<td>0</td>
<td>265 V</td>
</tr>
<tr>
<td>280°T - 280°T</td>
<td>0</td>
<td>445 V</td>
</tr>
<tr>
<td>290°T - 290°T</td>
<td>0</td>
<td>625 V</td>
</tr>
<tr>
<td>300°T - 300°T</td>
<td>0</td>
<td>765 V</td>
</tr>
<tr>
<td>310°T - 310°T</td>
<td>0</td>
<td>840 V</td>
</tr>
<tr>
<td>320°T - 320°T</td>
<td>0</td>
<td>825 V</td>
</tr>
<tr>
<td>330°T - 330°T</td>
<td>0</td>
<td>735 V</td>
</tr>
<tr>
<td>340°T - 340°T</td>
<td>0</td>
<td>580 V</td>
</tr>
<tr>
<td>350°T - 350°T</td>
<td>0</td>
<td>395 V</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN :** Remote Central and Eastern Australia Radio

**Category :** National

**General Area Served :** Taroom (QLD)

**Service Licence Number :** Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number :** TS10003896

**Transmitter Site :-**

Nominal location : 
Broadcast Site Cranmer St TAROOM

Australian Map Grid : Zone Easting Northing
Reference 55 781515 7160575

Site Tolerance : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

Frequency Band & Mode VHF-FM

Carrier Frequency : 107.7 MHz

Polarisation Vertical

Maximum antenna height 32 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Taroom (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003897

Transmitter Site: -
Nominal location: Broadcast Site Cranmer St TAROOM
Australian Map Grid: Zone Easting Northing
Reference 55 781515 7160575
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Vertical
Maximum antenna height: 32 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Clockwise direction)</td>
<td></td>
</tr>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Tennant Creek (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003179

**Transmitter Site :-**
Nominal location : Imparja Broadcast Site 3 km NNE of TENNANT CREEK
Australian Map Grid : Zone Easting Northing
Reference 53 418249 7828682
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**
Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation : Mixed
Maximum antenna height : 56 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National

General Area Served : Tennant Creek (NT)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10003180

Transmitter Site :-
Nominal location : Broadcast Site TENNANT CREEK
Australian Map Grid : Zone Easting Northing
Reference 53 418540 7824986

Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 684 kHz

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>305 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Tenterfield (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005948

Transmitter Site:
Nominal location: Broadcast Site MT MACKENZIE
Australian Map Grid: Zone Easting Northing
Reference: 56 399315 6781816
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 88.9 MHz
Polarisation: Mixed
Maximum antenna height: 28 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>80 W</td>
</tr>
</tbody>
</table>
Attachment 3.93

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Tenterfield (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005947

Transmitter Site: -
Nominal location: Broadcast Site MT MACKENZIE
Australian Map Grid: Zone Easting Northing
Reference 56 399315 6781816
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 90.5 MHz
Polarisation: Mixed
Maximum antenna height: 28 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>80 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Theodore (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003898

Transmitter Site :-
Nominal location : Broadcast Site 1.7 km WSW of THEODORE
Australian Map Grid : Zone Easting Northing
Reference 56 203175 7237690
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 107.5 MHz
Polarisation Mixed
Maximum antenna height 28 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National

General Area Served : Theodore (QLD)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003899

Transmitter Site :-

Nominal location : Broadcast Site 1.7 km WSW of THEODORE

Australian Map Grid : Zone 56  Easting 203175  Northing 7237690

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode : VHF-FM

Carrier Frequency : 105.9 MHz

Polarisation : Mixed

Maximum antenna height : 28 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Thursday Island (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003973

Transmitter Site: -
Nominal location: Broadcast Site Green Hill THURSDAY ISLAND
Australian Map Grid: Zone Easting Northing
Reference 54 632497 8829800
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 18 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Torres Strait (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10003975

Transmitter Site:
Nominal location: Broadcast Site THURSDAY ISLAND
Australian Map Grid: Zone Easting Northing
Reference: 54 632050 8829980
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 1062 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>435 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Tottenham (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005929

Transmitter Site: -
Nominal location: Broadcast Site 3.5km NW of Tottenham
Australian Map Grid: Zone 55 Easting 531305 Northing 6435087
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.9 MHz
Polarisation: Mixed
Maximum antenna height: 45 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN** : Remote Central and Eastern Australia Radio

**Category** : National  
**General Area Served** : Wandoan (QLD)  
**Service Licence Number** : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number** : TS10003900

**Transmitter Site** :-  
Nominal location : Broadcast Site Nathan Rd WANDOAN

Australian Map Grid : Zone Easting Northing  
Reference 55 795992 7115412

**Site Tolerance** : Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission** :-  
Frequency Band & Mode : VHF-FM  
Carrier Frequency : 98.9 MHz  
Polarisation : Mixed  
Maximum antenna height : 64 m

**Output Radiation Pattern** :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: National
General Area Served: Wandoan (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003901

Transmitter Site: -
Nominal location: Broadcast Site Nathan Rd WANDOAN
Australian Map Grid: Zone Easting Northing
Reference: 55 795992 7115412
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.1 MHz
Polarisation: Mixed
Maximum antenna height: 64 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National

General Area Served : Weipa (QLD)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002329

Transmitter Site :-

Nominal location : Comalco Bauxite Mine Lorin Point WEIPA

Australian Map Grid : Zone Easting Northing
Reference 54 595000 8604000

Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 107.3 MHz

Polarisation Mixed

Maximum antenna height 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Attachment 3.102

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Weipa (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10003981

Transmitter Site:
Nominal location: AM Broadcast Site WEIPA
Australian Map Grid: Zone Easting Northing
Reference 54 596550 8604500
Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 1044 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>220 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Wilcannia (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10004002

Transmitter Site: -
Nominal location: Broadcast Site WILCANNIA
Australian Map Grid: Zone Easting Northing
Reference 54 725917 6506641
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: MF-AM
Carrier Frequency: 1485 kHz

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>105 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : National
General Area Served : Wilcannia (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10004003

Transmitter Site :-
Nominal location : Broadcast Site WILCANNIA
Australian Map Grid : Zone Easting Northing
Reference 54 725917 6506641
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 1584 kHz

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>105 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Wirrulla (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10002909

Transmitter Site: -
Nominal location: Telstra site 8 km NE of Wirrulla
Australian Map Grid: Zone Easting Northing
Reference 53 463456 6414126
Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.3 MHz
Polarisation: Mixed
Maximum antenna height: 71 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1.5 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National

General Area Served: Woomera (SA)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002910

Transmitter Site:
Nominal location: Broadcast Site WOOMERA

Australian Map Grid: Zone Easting Northing
Reference: 53 672691 6547267

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.7 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: National
General Area Served: Woomera (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10003201

Transmitter Site: 
Nominal location: Broadcast Site WOOMERA
Australian Map Grid: Zone Easting Northing
Reference: 53 673948 6546596
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 1584 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0</td>
<td>70 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Alpha (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004026

Transmitter Site::
Nominal location: Broadcast Site 4 km N of ALPHA
Australian Map Grid: Zone Easting Northing
Reference 55 461689 7388338
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.7 MHz
Polarisation: Mixed
Maximum antenna height: 70 m

Output Radiation Pattern:—

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
</tr>
</tbody>
</table>

Special Conditions:—
The' coverage radius' of this transmission is 8 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 461689; Northing 7388338. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Balranald (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004334

Transmitter Site:
Nominal location: MRE Site Water Reservoir Church St
BALRANALD

Australian Map Grid: Zone Easting Northing
Reference 54 734700 6164200

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.5 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
</tr>
</tbody>
</table>

Special Conditions:
The coverage radius of this transmission is 5 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 734700; Northing 6164200. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Balranald (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10004336

Transmitter Site:-
Nominal location: MRE Site Water Reservoir Church St BALRANALD
Australian Map Grid: Zone Easting Northing
Reference 54 734700 6164200
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-
Frequency Band & Mode VHF-FM
Carrier Frequency: 97.1 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
</tr>
</tbody>
</table>

Special Conditions:-
The 'coverage radius' of this transmission is 5 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 734700; Northing 6164200. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Birdsville (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004216

Transmitter Site:
Nominal location: Broadcast Planning Site BIRDSVILLE
Australian Map Grid:
Reference: Zone Easting Northing
54 334500 7134100
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.3 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
</tr>
</tbody>
</table>

Special Conditions:
The ‘coverage radius’ of this transmission is 5 kilometres measured from a point with the following AMG co-ordinates: Zone 54; Easting 334500; Northing 7134100. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Collinsville (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002789

Transmitter Site:
Nominal location: Broadcast Site MT DEVLIN
Australian Map Grid: Zone Easting Northing
Reference: 55 587326 7730108
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.7 MHz
Polarisation: Mixed
Maximum antenna height: 26 m

Output Radiation Pattern:
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
</tr>
</tbody>
</table>

Special Conditions:
The coverage radius of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 587326; Northing 7730108. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting

General Area Served: Coober Pedy (SA)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10000374

Transmitter Site:
Nominal location: Broadcast Site COOBER PEDY
Australian Map Grid: Zone Easting Northing
Reference: 53 476000 6791000

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.1 MHz
Polarisation: Mixed
Maximum antenna height: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
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</tbody>
</table>

Special Conditions:
The ‘coverage radius’ of this transmission is 5 kilometres measured from a point with the following AMG co-ordinates: Zone 53; Easting 476000; Northing 6791000. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Cooktown (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002768

Transmitter Site: -
Nominal location: Broadcast Site Hope St COOKTOWN
Australian Map Grid: Zone Easting Northing
Reference: 55 312300 8285500
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.3 MHz
Polarisation: Mixed
Maximum antenna height: 25 m

Output Radiation Pattern: -

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<th>Bearing or Sector (Clockwise direction)</th>
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Special Conditions: -
The ‘coverage radius' of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 312300; Northing 8285500. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting

General Area Served: Groote Eylandt (NT)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004016

Transmitter Site :-

Nominal location: National Site Cypress Rd Alyangula GROOTE EYLANDT

Australian Map Grid: Zone 53 Easting 653929 Northing 8468215

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode: VHF-FM

Carrier Frequency: 103.7 MHz

Polarisation: Mixed

Maximum antenna height: 25 m

Output Radiation Pattern :-

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Special Conditions :-

The ‘coverage radius’ of this transmission is 15 kilometres measured from a point with the following AMG co-ordinates: Zone 53; Easting 653929; Northing 8468215. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Jabiru (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004017

Transmitter Site:
Nominal location: Gregory Place JABIRU
Australian Map Grid: Zone Easting Northing
Reference 53 264700 8598300
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.7 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:

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<tr>
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</tbody>
</table>

Special Conditions:
The ‘coverage radius’ of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone 53; Easting 264700; Northing 8598300. This point is the same as the nominal transmitter location.
Attachment 3.117

LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Open Narrowcasting
General Area Served : Normanton (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002751

Transmitter Site :-
Nominal location : Broadcast Site Hospital Hill
NORMANTON
Australian Map Grid : Zone Easting Northing
Reference 54 508979 8045107
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 103.3 MHz
Polarisation Mixed
Maximum antenna height 30 m

Output Radiation Pattern :-

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<th>Bearing or Sector (Clockwise direction)</th>
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<td>At all angles of azimuth</td>
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Special Conditions :-
The 'coverage radius' of this transmission is 15 kilometres measured from a point with the following AMG co-ordinates: Zone 54; Easting 508979; Northing 8045107. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Pine Creek (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004019

Transmitter Site:
Nominal location: Broadcast Site PINE CREEK
Australian Map Grid: Zone Easting Northing
Reference: 52 806541 8469875
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.7 MHz
Polarisation: Mixed
Maximum antenna height: 18 m

Output Radiation Pattern:
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Special Conditions:
The ‘coverage radius’ of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone 52; Easting 806541; Northing 8469875. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Weipa (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004038

Transmitter Site: Comalco Bauxite Mine Lorin Point WEIPA

Australian Map Grid: Zone Easting Northing Reference
54 595000 8604000

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.3 MHz
Polarisation: Mixed
Maximum antenna height: 30 m

Output Radiation Pattern:

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Special Conditions:
The ‘coverage radius’ of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone 54; Easting 595000; Northing 8604000. This point is the same as the nominal transmitter location.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Open Narrowcasting
General Area Served: Inglewood (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013215

Transmitter Site:
Nominal location: Inglewood Shire Council Site BRACKER FOREST
Australian Map Grid: Zone 56 Easting 313250 Northing 6841850
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.1 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

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</table>

Special Conditions:
The ‘coverage radius’ of this transmission is 12 kilometres measured from a point with the following AMG co-ordinates: Zone 56; Easting 313250; Northing 6841850. This point is the same as the nominal transmitter location.

The service is interference limited; only field strength levels of 66dBuV/m and above will be protected from interference.
**Attachment 4.1**

**Licence Area - CENTRAL ZONE RA2**

**Community Radio Service Licence numbers: SL10181**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

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<tr>
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<th>Area Description</th>
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<td>Tapatjatjaka (CGC) (LGA)</td>
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<td>Alpurrurulam (CGC) (LGA)</td>
<td>Tennant Creek (T) (LGA)</td>
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<tr>
<td>Anangu Pitjantjatjara (AC) (LGA)</td>
<td>Thamarrurr (CGC) (LGA)</td>
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<td>Watiyawanu (CGC) (LGA)</td>
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<td>Bourke (A) (LGA)</td>
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</tr>
<tr>
<td>SA CD 022201</td>
<td>SA CD 050207</td>
</tr>
<tr>
<td>SA CD 022202</td>
<td>SA CD 050401</td>
</tr>
<tr>
<td>SA CD 030201</td>
<td>SA CD 050402</td>
</tr>
<tr>
<td>SA CD 030202</td>
<td>SA CD 050403</td>
</tr>
<tr>
<td>SA CD 030203</td>
<td>SA CD 050404</td>
</tr>
<tr>
<td>SA CD 030204</td>
<td>SA CD 050406</td>
</tr>
<tr>
<td>SA CD 030205</td>
<td>SA CD 062301</td>
</tr>
<tr>
<td>SA CD 030206</td>
<td>SA CD 062302</td>
</tr>
<tr>
<td>SA CD 030604</td>
<td>SA CD 062303</td>
</tr>
<tr>
<td>SA CD 030605</td>
<td>SA CD 062304</td>
</tr>
<tr>
<td>SA CD 030606</td>
<td>SA CD 062305</td>
</tr>
<tr>
<td>SA CD 040101</td>
<td>SA CD 062306</td>
</tr>
<tr>
<td>SA CD 040102</td>
<td>SA CD 062307</td>
</tr>
<tr>
<td>SA CD 040103</td>
<td>SA CD 062308</td>
</tr>
<tr>
<td>SA CD 040401</td>
<td>NT CD 013707</td>
</tr>
<tr>
<td>SA CD 040402</td>
<td>NT CD 014402</td>
</tr>
<tr>
<td>SA CD 040403</td>
<td>NT CD 014403</td>
</tr>
<tr>
<td>SA CD 040404</td>
<td>NT CD 014410</td>
</tr>
<tr>
<td>SA CD 040405</td>
<td></td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(SLA) = Statistical Local Area
(A) = NSW Local Government Area (excluding Cities)
(CGC) = Community Government Council
(CD) = Collection District
(DC) = District Council
(M) = Municipality
(S) = Shire
(T) = Town
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Ali Curung (NT)

Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002283

Transmitter Site: -

Nominal location: Broadcast Site ALI CURUNG

Australian Map Grid: Zone Easting Northing
Reference 53 439000 7678000

Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 103.7 MHz

Polarisation: Vertical

Maximum antenna height: 25 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>20 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Alice Springs (NT)
Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002364

Transmitter Site :-
Nominal location : Telstra Tower West Gap ALICE SPRINGS
Australian Map Grid : Zone Easting Northing
Reference 53 383331 7375892
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 100.5 MHz
Polarisation : Mixed
Maximum antenna height : 20 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Batchelor (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003467

Transmitter Site:
Nominal location: Broadcast Site Mardango Crescent
Australian Map Grid: Zone Easting Northing
Reference: 52 719776 8556935
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.3 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>20 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Bathurst Island (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003468

Transmitter Site: -
Nominal location: Broadcast Site Mission Hill BATHURST ISLAND
Australian Map Grid: Easting Northing
Reference 52 670632 8697632
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.3 MHz
Polarisation: Mixed
Maximum antenna height: 43 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>75 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Ernabella (SA)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002891

Transmitter Site:
Nominal location: Broadcast Site ERNABELLA MISSION
Australian Map Grid: Reference
Zone Easting Northing
53 213388 7088698

Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.9 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>20 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Finke (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003098

Transmitter Site:
Nominal location: Broadcast Site FINKE
Australian Map Grid: Zone Easting Northing
Reference: 53 456800 7170200
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.9 MHz
Polarisation: Vertical
Maximum antenna height: 8 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community

General Area Served : Groote Eylandt (NT)

Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003108

Transmitter Site :-

Nominal location : Commercial Site Cypress Rd Alyangula GROOTE EYLANDT

Australian Map Grid : Zone Easting Northing
Reference 53 653900 8468200

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 102.1 MHz

Polarisation Vertical

Maximum antenna height 20 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
 Attachment  4.9

LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Hermannsburg (NT)
Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003099

**Transmitter Site :-**

Nominal location : Broadcast Site HERMANNSBURG
Australian Map Grid :
Reference : Zone 53  Easting 273551  Northing 7350434
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**

Frequency Band & Mode : VHF-FM
Carrier Frequency : 103.7 MHz
Polarisation : Vertical
Maximum antenna height : 20 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>450 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Kintore (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003100

Transmitter Site:
Nominal location: Broadcast Site KINTORE
Australian Map Grid: Zone Easting Northing
Reference: 52 540000 7426000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.9 MHz
Polarisation: Vertical
Maximum antenna height: 8 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Lajamanu (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003101

Transmitter Site:
Nominal location: Broadcast Site LAJAMANU
Australian Map Grid: Zone Easting Northing
Reference: 52 673000 7972000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.9 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Attachment 4.12

LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Ngukurr (NT)
Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003102

Transmitting Site :-
Nominal location : Broadcast Site NGUKURR
Australian Map Grid : Zone Easting Northing
Reference 53 471000 8370800

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 102.9 MHz
Polarisation Mixed
Maximum antenna height 18 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>

acma | 246
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Papunya (NT)
Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003103

Transmitter Site :-
Nominal location : Broadcast Site Pump House PAPUNYA
Australian Map Grid : Zone Easting Northing
Reference 52 797699 7430001
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :
Frequency Band & Mode VHF-FM
Carrier Frequency : 102.9 MHz
Polarisation Vertical
Maximum antenna height 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Santa Teresa (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003104

Transmitter Site:
Nominal location: Broadcast Site SANTA TERESA
Australian Map Grid: Zone Easting Northing
Reference: 53 436495 7330864
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.7 MHz
Polarisation: Vertical
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Tennant Creek (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003105

Transmitter Site:
Nominal location: Imparja Broadcast Site 3 km NNE of TENNANT CREEK

Australian Map Grid: Zone 53 Easting 418249 Northing 7828682

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.9 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Willowra (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003106

Transmitter Site: -
Nominal location: Broadcast Site Mt Barkly WILLOWRA
Australian Map Grid: Zone Easting Northing
Reference 53 252580 7648540
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 102.9 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Yuendumu (NT)
Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003109

Transmitter Site :-
Nominal location : Broadcast Studio Conniston Road and Walpiri Ave YUENDUMU
Australian Map Grid : Zone Easting Northing
Reference 52 787950 7536175
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 102.9 MHz
Polarisation Vertical
Maximum antenna height 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>20 W</td>
</tr>
</tbody>
</table>

acma | 251
Licence Area - ALI CURUNG RA1

Community Radio Service Licence numbers: SL10110

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
<th>NT CD 031206</th>
</tr>
</thead>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Ali Curung (NT)
Service Licence Number: SL10110

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002282

Transmitter Site: -
Nominal location: Broadcast Site ALI CURUNG
Australian Map Grid: Zone Easting Northing
Reference 53 439000 7678000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Vertical
Maximum antenna height: 25 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>20 W</td>
</tr>
</tbody>
</table>
**Attachment 6.1**

**Licence Area - AMATA RA1**

**Community Radio Service Licence numbers:** SL10150

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SA CD 010109</td>
<td></td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Amata (SA)
Service Licence Number : SL10150

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10002887

Transmitter Site :-
Nominal location : Musgrave Park Native Settlement AMATA
Australian Map Grid : Zone Easting Northing
Reference 52 714502 7105802
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation Mixed
Maximum antenna height 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 7.1

Licence Area - AURUKUN RA1

Community Radio Service Licence numbers: SL10182

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 010501</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio
Category: Community
General Area Served: Aurukun (QLD)
Service Licence Number: SL10182

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003474

Transmitter Site:
Nominal location: BRACS Studio AURUKUN
Australian Map Grid: Zone Easting Northing
Reference: 54 578607 8523131
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
## Licence Area - BARUNGA RA1

**Community Radio Service Licence numbers:** SL10111

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030701</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

- (CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Barunga (NT)
Service Licence Number: SL10111

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003452

Transmitter Site:
Nominal location: Broadcast Site BARUNGA
Australian Map Grid: Zone Easting Northing
Reference 53 270000 8393000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - BATHURST ISLAND RA1
Community Radio Service Licence numbers: SL10112
The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030103</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
**LICENCE AREA PLAN : Remote Central and Eastern Australia Radio**

Category : Community  
General Area Served : Bathurst Island (NT)  
Service Licence Number : SL10112

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003453

*Transmitter Site :-*

Nominal location : Broadcast Site Mission Hill BATHURST ISLAND  
Australian Map Grid : Zone Easting Northing  
Reference 52 670632 8697632  
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

*Emission :-*

Frequency Band & Mode : VHF-FM  
Carrier Frequency : 98.9 MHz  
Polarisation : Mixed  
Maximum antenna height : 43 m

*Output Radiation Pattern :-*

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>75 W</td>
</tr>
</tbody>
</table>
Licence Area - BESWICK RA1

Community Radio Service Licence numbers: SL10113

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030701</td>
</tr>
<tr>
<td>NT CD 030710</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Beswick (NT)
Service Licence Number: SL10113

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003454

Transmitter Site: -
Nominal location: Broadcast Site BESWICK
Australian Map Grid: Zone Easting Northing
Reference: 53 296500 8390000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 11.1

Licence Area - BULMAN RA1

Community Radio Service Licence numbers: SL10114

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030310</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Bulman (NT)
Service Licence Number : SL10114

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003456

Transmitter Site :-
Nominal location : Broadcast Site BULMAN
Australian Map Grid : Zone Easting Northing
Reference 53 427900 8489000
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation : Mixed
Maximum antenna height : 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 12.1

Licence Area - DAGURAGU RA1

Community Radio Service Licence numbers: SL10115

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030904</td>
</tr>
<tr>
<td>NT CD 030907</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Attachment 12.2

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio
Category: Community
General Area Served: Daguragu (NT)
Service Licence Number: SL10115

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003012

Transmitter Site:
Nominal location: Broadcast Site DAGURAGU
Australian Map Grid: Zone Easting Northing
Reference 52 691500 8075000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
License Area - DOOMADGEE RA1

Community Radio Service Licence numbers: SL10189

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 020505</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Doomadgee (QLD)

Service Licence Number: SL10189

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003482

Transmitter Site:
Nominal location: Next To Store DOOMADGEE

Australian Map Grid: Zone Easting Northing
Reference: 54 269400 8014800

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - ERNABELLA RA1
Community Radio Service Licence numbers: SL10152
The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA CD 010110</td>
</tr>
</tbody>
</table>

**Note:**
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Ernabella (SA)
Service Licence Number: SL10152

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002892

Transmitter Site: -
Nominal location: Broadcast Site ERNABELLA MISSION
Australian Map Grid: Zone Easting Northing
Reference 53 213388 7088698
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 15.1

Licence Area - FINKE RA1

Community Radio Service Licence numbers: SL10116

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030201</td>
</tr>
<tr>
<td>NT CD 030206</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Finke (NT)
Service Licence Number: SL10116

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003013

Transmitter Site: -
Nominal location: Broadcast Site FINKE
Australian Map Grid: Zone Easting Northing
Reference: 53 456800 7170200
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Attachment 16.1

Licence Area - FREGON RA1

Community Radio Service Licence numbers: SL10153

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA CD 010108</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Fregon (SA)

Service Licence Number: SL10153

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002893

Transmitter Site:

Nominal location: Broadcast Site FREGON

Australian Map Grid: Zone Easting Northing

Reference: 53 204905 7035895

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Mixed

Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - GALIWINKU RA1

Community Radio Service Licence numbers: SL10117

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030401</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Attachment 17.2

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Galiwinku (NT)
Service Licence Number: SL10117

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003015

Transmitter Site: -
Nominal location: Broadcast Site Galiwinku Council Office
Galiwinku ELCHO ISLAND

Australian Map Grid: Zone Easting Northing
Reference 53 561500 8670400

Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
**Attachment 18.1**

**Licence Area - GUNUNA RA1**

**Community Radio Service Licence numbers:** SL10190

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mornington (S) (LGA)</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(S) = Shire
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Gununa (QLD)
Service Licence Number: SL10190

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003483

Transmitter Site:
Nominal location: Broadcast Site Gununa MORNINGTON ISLAND
Australian Map Grid: Zone Easting Northing
Reference 54 305800 8156600
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 19.1

Licence Area - HERMANNSBURG RA1

Community Radio Service Licence numbers: SL10118

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031113</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Hermannsburg (NT)

Service Licence Number: SL10118

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003018

Transmitter Site:

Nominal location: Broadcast Site HERMANNSBURG

Australian Map Grid:

Reference: 53 273551 7350434

Site Tolerance:

Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Vertical

Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>450 W</td>
</tr>
</tbody>
</table>
Attachment 20.1

Licence Area - HOPE VALE RA1

Community Radio Service Licence numbers: SL10191

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 010707</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Hope Vale (QLD)
Service Licence Number: SL10191

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003485

Transmitter Site:
Nominal location: BRACS Site HOPE VALE
Australian Map Grid: Zone Easting Northing
Reference: 55 296816 8308018
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
**Licence Area - IMANPA RA1**

**Community Radio Service Licence numbers:** SL10119

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031402</td>
</tr>
<tr>
<td>NT CD 031403</td>
</tr>
<tr>
<td>NT CD 031404</td>
</tr>
<tr>
<td>NT CD 031405</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Imanpa (NT)
Service Licence Number : SL10119

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003019

**Transmitter Site :-**

Nominal location : Broadcast Site Mt Ebenezer Station IMANPA

Australian Map Grid : Zone Easting Northing
Reference 53 254997 7218596

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**

Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation : Mixed
Maximum antenna height : 10 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - INDULKANA RA1

Community Radio Service Licence numbers: SL10154

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA CD 010118</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Indulkana (SA)
Service Licence Number: SL10154

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002894

Transmitter Site:
Nominal location: Broadcast Site Media Centre INDULKANA
Australian Map Grid: Reference Zone Easting Northing 53 332897 7016096
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - KINTORE RA1

Community Radio Service Licence numbers: SL10120

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
<th>NT CD 031107</th>
</tr>
</thead>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
**LICENCE AREA PLAN**: Remote Central and Eastern Australia Radio

**Category**: Community

**General Area Served**: Kintore (NT)

**Service Licence Number**: SL10120

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number**: TS10003021

**Transmitter Site** :-

**Nominal location**: Broadcast Site KINTORE

**Australian Map Grid** :

<table>
<thead>
<tr>
<th>Zone</th>
<th>Easting</th>
<th>Northing</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>540000</td>
<td>7426000</td>
</tr>
</tbody>
</table>

**Site Tolerance** :

Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission** :-

**Frequency Band & Mode**: VHF-FM

**Carrier Frequency**: 106.1 MHz

**Polarisation**: Vertical

**Maximum antenna height**: 10 m

**Output Radiation Pattern** :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Licence Area - KOWANYAMA RA1

Community Radio Service Licence numbers: SL10193

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 020206</td>
</tr>
</tbody>
</table>

*Note:*
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Kowanyama (QLD)

Service Licence Number: SL10193

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003487

Transmitter Site: -

Nominal location: Broadcast Site Training Centre

KOWANYAMA

Australian Map Grid: Zone 54 Easting 580000 Northing 8288604

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.7 MHz

Polarisation: Mixed

Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - LAJAMANU RA1

Community Radio Service Licence numbers: SL10121

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030905</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: Community
General Area Served: Lajamanu (NT)
Service Licence Number: SL10121

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003022

Transmitter Site:
Nominal location: Broadcast Site LAJAMANU
Australian Map Grid: Zone Easting Northing
Reference: 52 673000 7972000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Licence Area - LOCKHART RIVER RA1

Community Radio Service Licence numbers: SL10195

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 010601</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Lockhart River (QLD)

Service Licence Number: SL10195

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003490

Transmitter Site:-
Nominal location: Broadcast Site LOCKHART RIVER

Australian Map Grid: Reference 54 754175 8585221

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-
Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.7 MHz

Polarisation: Mixed

Maximum antenna height: 10 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Clockwise direction)</td>
<td></td>
</tr>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - MANINGRIDA RA1

Community Radio Service Licence numbers: SL10122

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030308</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Maningrida (NT)
Service Licence Number: SL10122

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003457

**Transmitter Site:**
Nominal location: Broadcast Site Council Office MANINGRIDDA
Australian Map Grid: Zone Easting Northing
Reference: 53 415300 8667500
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

**Output Radiation Pattern:**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>

---

*acma | 297*
Attachment 28.1

Licence Area - MILIKAPITI RA1

Community Radio Service Licence numbers: SL10123

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030105</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Milikapiti (NT)
Service Licence Number: SL10123

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003458

Transmitter Site:
Nominal location: Broadcast Site Milikapiti MELVILLE ISLAND
Australian Map Grid: Zone Easting Northing
Reference 52 682000 8737500
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.3 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 29.1

Licence Area - MILINGIMBI RA1

Community Radio Service Licence numbers: SL10124

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030409</td>
</tr>
<tr>
<td>NT CD 030425</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Milingimbi (NT)

Service Licence Number: SL10124

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002245

Transmitter Site: -
Nominal location: Broadcast Site MILINGIMBI

Australian Map Grid: Zone Easting Northing
Reference 53 491000 8661600

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - MINJILANG RA1

Community Radio Service Licence numbers: SL10125

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030303</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Minjilang (NT)

Service Licence Number: SL10125

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003459

Transmitter Site: -

Nominal location: Broadcast Site Minjilang Council Office
Minjilang CROKER ISLAND

Australian Map Grid:
Reference Zone: 53
Easting: 235000
Northing: 8765000

Site Tolerance:
Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Mixed

Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - NGUKURR RA1
Community Radio Service Licence numbers: SL10126
The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030601</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Ngukurr (NT)
Service Licence Number: SL10126

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS9114001

Transmitter Site:
Nominal location: Broadcast Site NGUKURR
Australian Map Grid: Zone Easting Northing
Reference: 53 471000 83708000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.3 MHz
Polarisation: Mixed
Maximum antenna height: 18 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
Licence Area - NTURIYA RA1

Community Radio Service Licence numbers: SL10127

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031111</td>
</tr>
<tr>
<td>NT CD 031120</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Nturiya (NT)
Service Licence Number : SL10127

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003025

Transmitter Site :-
Nominal location : Broadcast Site Ti Tree Station NTURIYA
Australian Map Grid : Zone Easting Northing
Reference 53 320801 7552294
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 105.9 MHz
Polarisation Mixed
Maximum antenna height 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>

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Attachment 33.1

Licence Area - NUMBULWAR RA1

Community Radio Service Licence numbers: SL10128

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030403</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Numbulwar (NT)

Service Licence Number: SL10128

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003026

Transmitter Site: -

Nominal location: Broadcast Site Numbulwar Council Office NUMBULWAR

Australian Map Grid: Zone Easting Northing
Reference 53 579800 8421200

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 106.1 MHz

Polarisation: Mixed

Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - OENPELLI RA1

Community Radio Service Licence numbers: SL10129

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030306</td>
</tr>
</tbody>
</table>

*Note:*
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Oenpelli (NT)
Service Licence Number: SL10129

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003461

Transmitter Site:
Nominal location: Broadcast Site OENPELLI
Australian Map Grid: Zone Easting Northing
Reference: 53 288500 8636500
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - PALUMPA RA1

Community Radio Service Licence numbers: SL10130

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nauiyu Nambiyu (CGC) (LGA)</td>
</tr>
<tr>
<td>Thamarrurr (CGC) (LGA)</td>
</tr>
<tr>
<td>NT CD 030804</td>
</tr>
<tr>
<td>NT CD 030806</td>
</tr>
<tr>
<td>NT CD 030808</td>
</tr>
<tr>
<td>NT CD 030810</td>
</tr>
<tr>
<td>NT CD 030812</td>
</tr>
<tr>
<td>NT CD 030813</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(CG) = Community Government Council

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Palumpa (NT)
Service Licence Number: SL10130

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003462

Transmitter Site:
Nominal location: Broadcast Site PALUMPA
Australian Map Grid: Zone Easting Northing
Reference: 52 595000 8413000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
## Licence Area - PAPUNYA RA1

**Community Radio Service Licence numbers:** SL10131

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031104</td>
</tr>
</tbody>
</table>

**Note:**  
Standard terminology used by the Australian Bureau of Statistics:

- (CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Papunya (NT)
Service Licence Number: SL10131

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003027

Transmitter Site: -
Nominal location: Broadcast Site Pump House PAPUNYA
Australian Map Grid: Zone Easting Northing
Reference 52 797699 7430001
Site Tolerance: Refer to Broadcasting Services
(technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Licence Area - PEPPIMENARTI RA1

Community Radio Service Licence numbers: SL10132

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030806</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Peppimenarti (NT)
Service Licence Number : SL10132

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003463

Transmitter Site :-
Nominal location : Broadcast Site PEPPIMENARTI
Australian Map Grid : Zone Easting Northing
Reference 52 615100 8437300
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation Mixed
Maximum antenna height 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - PMARA JUTUNTA RA1

Community Radio Service Licence numbers: SL10133

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031111</td>
</tr>
<tr>
<td>NT CD 031120</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Pmara Jutunta (NT)
Service Licence Number : SL10133

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003028

Transmitter Site :-
Nominal location : Broadcast Site Pmara Jutunta 9 km South of TI TREE
Australian Map Grid : Zone Easting Northing Reference 53 337601 7542999
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation : Mixed
Maximum antenna height : 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - PORMPURAAW RA1
Community Radio Service Licence numbers: SL10199

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 020202</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Pormpuraaw (QLD)
Service Licence Number: SL10199

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003496

Transmitter Site: -
Nominal location: Broadcast site Community Hall Edward River PORMPURAAW

Australian Map Grid:
Reference: Zone Easting Northing
54 566500 8352500

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 107.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - PULARUMPI RA1

Community Radio Service Licence numbers: SL10134

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030102</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Pularumpi (NT)
Service Licence Number: SL10134

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003464

Transmitter Site: -
Nominal location: Broadcast Site 2 Pularumpi MELVILLE ISLAND
Australian Map Grid: Zone Easting Northing
Reference 52 655000 8739000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.5 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 41.1

Licence Area - RAMINGINING RA1

Community Radio Service Licence numbers: SL10135

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030404</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Ramingining (NT)
Service Licence Number: SL10135

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003029

Transmitter Site:
Nominal location: Broadcast Site Ramingining
Australian Map Grid: Zone Easting Northing
Reference: 53 490000 8635000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.7 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
License Area - UMBAKUMBA RA1

Community Radio Service Licence numbers: SL10137

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030503</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Umbakumba (NT)
Service Licence Number: SL10137

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003032

Transmitter Site: -
Nominal location: Broadcast Site Umbakumba GROOTE EYLANDT
Australian Map Grid: Zone Easting Northing
Reference 53 694500 8466200
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.3 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>

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Attachment 43.1

Licence Area - WADEYE RA1

Community Radio Service Licence numbers: SL10138

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030803</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio
Category : Community
General Area Served : Wadeye (NT)
Service Licence Number : SL10138

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003465

Transmitter Site :-
Nominal location : Broadcast Site Sport and Rec Hall Lot 460 Perdjert St WADEYE
Australian Map Grid : Zone Easting Northing
Reference 52 555948 8425681
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation Mixed
Maximum antenna height 10 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - WARRUWI RA1

Community Radio Service Licence numbers: SL10139

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 030305</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Warruwi (NT)
Service Licence Number: SL10139

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003466

Transmitter Site:
Nominal location: Broadcast Site Warruwi GOULBURN ISLAND
Australian Map Grid: Zone Easting Northing
Reference 53 324000 8711000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 45.1

Licence Area - WILLOWRA RA1

Community Radio Service Licence numbers: SL10140

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031109</td>
</tr>
<tr>
<td>NT CD 031121</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Willowra (NT)
Service Licence Number: SL10140

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003033

Transmitter Site: -
Nominal location: Broadcast Site Mt Barkly WILLOWRA
Australian Map Grid: Zone Easting Northing
Reference: 53 252580 7648540
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.1 MHz
Polarisation: Vertical
Maximum antenna height: 10 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Licence Area - WUJAL WUJAL RA1

Community Radio Service Licence numbers: SL10207

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wujal Wujal (S) (LGA)</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

- (LGA) = Local Government Area
- (S) = Shire
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Wujal Wujal (QLD)

Service Licence Number: SL10207

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003525

Transmitter Site:-

Nominal location: Broadcast Site WUJAL WUJAL

Australian Map Grid: Zone Easting Northing
Reference: 55 320000 8236100

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-

Frequency Band & Mode: VHF-FM

Carrier Frequency: 107.7 MHz

Polarisation: Mixed

Maximum antenna height: 10 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 48.1

Licence Area - YUELAMU RA1

Community Radio Service Licence numbers: SL10142

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Yuendumu (CGC) (LGA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NT CD 031103</td>
</tr>
<tr>
<td></td>
<td>NT CD 031119</td>
</tr>
<tr>
<td></td>
<td>NT CD 031125</td>
</tr>
<tr>
<td></td>
<td>NT CD 031130</td>
</tr>
<tr>
<td></td>
<td>NT CD 031134</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(CGC) = Community Government Council

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Yuelamu (NT)
Service Licence Number: SL10142

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10003035

Transmitter Site:
Nominal location: Broadcast Site Mt Allan Station
YUELAMU
Australian Map Grid: Zone 53 Easting 212000 Northing 7535500
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.9 MHz
Polarisation: Mixed
Maximum antenna height: 10 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Licence Area - YUENDUMU RA1

Community Radio Service Licence numbers: SL10143

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031102</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Yuendumu (NT)
Service Licence Number : SL10143

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003036

Transmitter Site :-
Nominal location : Broadcast Studio Conniston Road and Walpiri Ave YUENDUMU
Australian Map Grid : Zone Easting Northing
Reference 52 787950 7536175
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 106.1 MHz
Polarisation Vertical
Maximum antenna height 10 m

Output Radiation Pattern :-
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>40 W</td>
</tr>
</tbody>
</table>
Licence Area - BORROLOOLA RA1

Community Radio Service Licence numbers: SL10149

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

| Area Description | Borroloola (CGC) (LGA) |

Note:
Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(CGC) = Community Government Council
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community

General Area Served: Borroloola (NT)

Service Licence Number: SL10149

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003455

Transmitter Site: -

Nominal location: Broadcast Site Robinson Road

BORROLOOLA

Australian Map Grid: Zone 53  Easting 639609  Northing 8224523

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -

Frequency Band & Mode: VHF-FM

Carrier Frequency: 102.9 MHz

Polarisation: Mixed

Maximum antenna height: 25 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>50 W</td>
</tr>
</tbody>
</table>
Licence Area - WEIPA RA1

Community Radio Service Licence numbers: SL1150821

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 010401</td>
</tr>
<tr>
<td>QLD CD 010402</td>
</tr>
<tr>
<td>QLD CD 010403</td>
</tr>
<tr>
<td>QLD CD 010404</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: Community

General Area Served: Weipa (QLD)

Service Licence Number: SL1150821

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013223

Transmitter Site: -
Nominal location: Broadcast Site 2 Alstonia Dr WEIPA

Australian Map Grid: Zone Easting Northing
Reference 54 593727 8602393

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 94.5 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
Licence Area - DUNEDOO RA1

Community Radio Service Licence numbers: SL1170568

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSW CD 040604</td>
</tr>
<tr>
<td>NSW CD 040605</td>
</tr>
<tr>
<td>NSW CD 040606</td>
</tr>
<tr>
<td>NSW CD 040607</td>
</tr>
<tr>
<td>NSW CD 040701</td>
</tr>
<tr>
<td>NSW CD 040702</td>
</tr>
<tr>
<td>NSW CD 040704</td>
</tr>
<tr>
<td>NSW CD 040705</td>
</tr>
<tr>
<td>NSW CD 040707</td>
</tr>
<tr>
<td>NSW CD 040708</td>
</tr>
<tr>
<td>NSW CD 040810</td>
</tr>
</tbody>
</table>

*Note:*
Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: Community

General Area Served: Dunedoo (NSW)

Service Licence Number: SL1170568

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133230

Transmitter Site:
Nominal location: Three Rivers Radio Reservoir Rhodes St DUNEDOO

Australian Map Grid: Zone Easting Northing
Reference 55 726383 6453681

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 96.1 MHz
Polarisation: Vertical
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: Community
General Area Served: Coolah (NSW)
Service Licence Number: SL1170568

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133228

Transmitter Site:
Nominal location: Trig Station MT OAKY
Australian Map Grid: Zone Easting Northing
Reference 55 768980 6490500
Site Tolerance: Refer to Broadcasting Services
(technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 95.3 MHz
Polarisation: Mixed
Maximum antenna height: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>2 kW</td>
</tr>
</tbody>
</table>

Special Conditions:
The service is interference limited; only field strength levels of 66 dBuV/m and above will be protected from interference.
**Attachment 53.1**

**Licence Area - COONABARABRAN RA1**

**Community Radio Service Licence numbers:** SL1150830

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSW CD 040801</td>
</tr>
<tr>
<td>NSW CD 040802</td>
</tr>
<tr>
<td>NSW CD 040803</td>
</tr>
<tr>
<td>NSW CD 040804</td>
</tr>
<tr>
<td>NSW CD 040805</td>
</tr>
<tr>
<td>NSW CD 040806</td>
</tr>
<tr>
<td>NSW CD 040809</td>
</tr>
<tr>
<td>NSW CD 040811</td>
</tr>
<tr>
<td>NSW CD 040905</td>
</tr>
<tr>
<td>NSW CD 040908</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Community
General Area Served : Coonabarabran (NSW)
Service Licence Number : SL1150830

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10013233

Transmitter Site :-
Nominal location : Broadcast Site Mt Bingie Grumble via COONABARABRAN

Australian Map Grid : Zone Easting Northing
Reference 55 721076 6532221

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 99.5 MHz
Polarisation : Vertical
Maximum antenna height : 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>300 W</td>
</tr>
</tbody>
</table>
Licence Area - COONAMBLE RA1

Community Radio Service Licence numbers: SL1150831

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSW CD 040404</td>
</tr>
<tr>
<td>NSW CD 040405</td>
</tr>
<tr>
<td>NSW CD 040406</td>
</tr>
<tr>
<td>NSW CD 040407</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
**Attachment 54.2**

**LICENCE AREA PLAN :** Remote Central and Eastern Australia Radio

Category : Community

General Area Served : Coonamble (NSW)

Service Licence Number : SL1150831

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10013232

**Transmitter Site :-**

Nominal location : Broadcast Site cnr Tooloon & Castlereigh Sts COONAMBLE

Australian Map Grid : Zone Easting Northing
Reference 55 632500 6574700

Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**

Frequency Band & Mode VHF-FM

Carrier Frequency : 91.9 MHz

Polarisation Vertical

Maximum antenna height 30 m

**Output Radiation Pattern :-**

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
Licence Area - GILGANDRA RA1

Community Radio Service Licence numbers: SL1150832

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSW CD 031609</td>
</tr>
<tr>
<td>NSW CD 031610</td>
</tr>
<tr>
<td>NSW CD 031611</td>
</tr>
<tr>
<td>NSW CD 031612</td>
</tr>
<tr>
<td>NSW CD 031615</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Gilgandra (NSW)
Service Licence Number: SL1150832

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013234

Transmitter Site: -
Nominal location: Warrumbungles Community Broadcasting Association Inc 11 Warren Road GILGANDRA

Australian Map Grid: Zone Easting Northing
Reference 55 657407 6490078

Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.9 MHz
Polarisation: Vertical
Maximum antenna height: 30 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
Attachment 56.1

Licence Area - GIN GIN RA1

Community Radio Service Licence numbers: SL1130096

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 8 August 2006, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLD CD 071906</td>
</tr>
<tr>
<td>QLD CD 071910</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Attachment 56.2

LICENCE AREA PLAN: Remote Central and Eastern Australia

Category: Community
General Area Served: Gin Gin (QLD)
Service Licence Number: SL1130096

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133369

Transmitter Site:
Nominal location: Railway Station Mulgrave Road Gin Gin
Australian Map Grid: Reference
Zone 56
Easting 395044
Northing 7235378

Site Tolerance:

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.9 MHz
Polarisation: Mixed
Maximum antenna height: 20 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>

Special Conditions:
The service is interference limited; only field strength levels of 66 dBuV/m and above will be protected from interference.