Variation to Licence Area Plan – Remote Central and Eastern Australian Radio – 2016 (No. 1)

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

Date 2016

Member

Member/General Manager

1. Name of Instrument

This instrument is the Variation to Licence Area Plan – Remote Central and Eastern Australian Radio – 2016 (No. 1).

2. Commencement

This instrument commences on 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.comlaw.gov.au.

3. Variation

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

(a) in clause (2), omit the words “Attachments 1.2 - 1.38” and substitute the words “Attachments 1.2 – 1.41”;

(b) in clause (3), omit the words “Attachments 2.2 - 2.83” and substitute the words “Attachments 2.2 – 2.94”;

(c) in clause (5), omit the words “Attachments 4.2 – 4.17” and substitute the words “Attachments 4.2 – 4.20”;


(d) omit Schedules One, Two, Four and Forty-Seven and substitute Schedules One, Two, Four and Forty-Seven to this instrument;

(e) omit Attachments 1.4 to 1.38, 2.8 to 2.83, 3.2, 3.3, 3.10, 3.11, 3.15 to 3.19, 3.22, 3.23, 3.26 to 3.75, 3.78, 3.79, 3.82 to 3.95, 3.97 to 3.108, 3.112, 3.117 to 3.120, 4.6 to 4.17 and 47.2 and insert Attachments 1.4 to 1.41, 2.8 to 2.94, 3.2, 3.3, 3.10, 3.11, 3.15 to 3.19, 3.22, 3.23, 3.26 to 3.75, 3.78, 3.79, 3.82 to 3.95, 3.97 to 3.108, 3.112, 3.117 to 3.120, 4.6 to 4.20, 5.1 to 45.1 and 47.1 to 56.1 of this instrument.
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<th>Transmitter Specification No</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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<td>TS1137219</td>
<td>2.58</td>
<td>Bocoble</td>
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<td>107.3 MHz</td>
<td>SL1150711</td>
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<td>2.59</td>
<td>Bourke</td>
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<td>92.9 MHz</td>
<td>SL1150711</td>
<td>TS10010213</td>
<td>2.60</td>
<td>Canungra</td>
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<tr>
<td>102.5 MHz</td>
<td>SL1150711</td>
<td>TS1137887</td>
<td>2.61</td>
<td>Childers</td>
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<td>102.5 MHz</td>
<td>SL1150711</td>
<td>TS10013407</td>
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<td>Childers</td>
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<td>95.5 MHz</td>
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<td>TS10002767</td>
<td>2.63</td>
<td>Chinchilla</td>
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<tr>
<td>90.1 MHz</td>
<td>SL1150711</td>
<td>TS1133128</td>
<td>2.64</td>
<td>Collinsville</td>
<td></td>
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<tr>
<td>91.1 MHz</td>
<td>SL1150711</td>
<td>TS1137810</td>
<td>2.65</td>
<td>Comboyne</td>
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<tr>
<td>92.1 MHz</td>
<td>SL1150711</td>
<td>TS1133236</td>
<td>2.66</td>
<td>Cooktown</td>
<td></td>
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<tr>
<td>98.7 MHz</td>
<td>SL1150711</td>
<td>TS1137776</td>
<td>2.67</td>
<td>Coolah</td>
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<td>100.3 MHz</td>
<td>SL1150711</td>
<td>TS1137777</td>
<td>2.68</td>
<td>Coonamble</td>
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<tr>
<td>94.1 MHz</td>
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<td>TS1133256</td>
<td>2.69</td>
<td>Dirranbandi</td>
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<tr>
<td>88.9 MHz</td>
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<td>TS10011919</td>
<td>2.70</td>
<td>Eagle Heights</td>
<td></td>
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<tr>
<td>94.9 MHz</td>
<td>SL1150711</td>
<td>TS1133089</td>
<td>2.71</td>
<td>Eurong</td>
<td></td>
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<tr>
<td>98.7 MHz</td>
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<td>TS1133266</td>
<td>2.72</td>
<td>Goondiwindi</td>
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<tr>
<td>93.1 MHz</td>
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<td>TS10013610</td>
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<td>Great Lakes</td>
<td></td>
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<tr>
<td>90.9 MHz</td>
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<td>Inglewood</td>
<td></td>
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<td>96.3 MHz</td>
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<tr>
<td>101.3 MHz</td>
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<td>106.9 MHz</td>
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<td>2.79</td>
<td>Kooralbyn</td>
<td></td>
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<tr>
<td>Frequency</td>
<td>ID</td>
<td>TS</td>
<td>Distance</td>
<td>Location</td>
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</tr>
<tr>
<td>-----------</td>
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<td>101.3 MHz</td>
<td>SL1150711</td>
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<td>2.80</td>
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<td>SL1150711</td>
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<td>2.81</td>
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<td>100.6 MHz</td>
<td>SL1150711</td>
<td>TS10011920</td>
<td>2.82</td>
<td>Mount Tamborine</td>
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<td>2.83</td>
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<td></td>
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<td>TS1133271</td>
<td>2.84</td>
<td>Stanthorpe</td>
<td></td>
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<tr>
<td>99.9 MHz</td>
<td>SL1150711</td>
<td>TS1134416</td>
<td>2.85</td>
<td>Tara</td>
<td></td>
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<tr>
<td>104.5 MHz</td>
<td>SL1150711</td>
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<td>2.86</td>
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<tr>
<td>102.5 MHz</td>
<td>SL1150711</td>
<td>TS1133269</td>
<td>2.87</td>
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<tr>
<td>91.3 MHz</td>
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<td>TS1133301</td>
<td>2.88</td>
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</tr>
<tr>
<td>97.9 MHz</td>
<td>SL1150711</td>
<td>TS1133217</td>
<td>2.89</td>
<td>Theodore</td>
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<td>102.1 MHz</td>
<td>SL1150711</td>
<td>TS10003974</td>
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<td>Thursday Island</td>
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<td>TS1133260</td>
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<td>Wandoan</td>
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<td>89.3 MHz</td>
<td>SL1150711</td>
<td>TS1137227</td>
<td>2.92</td>
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<tr>
<td>101.5 MHz</td>
<td>SL1150711</td>
<td>TS1133284</td>
<td>2.94</td>
<td>Wilcannia</td>
<td></td>
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</tbody>
</table>
## Schedule Four

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

**Licence Area: CENTRAL ZONE RA2**

<table>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Community</td>
<td>103.7 MHz</td>
<td>SL10181</td>
<td>TS10002283</td>
<td>4.2</td>
<td>Ali Curung</td>
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<td>100.5 MHz</td>
<td>SL10181</td>
<td>TS10002364</td>
<td>4.3</td>
<td>Alice Springs</td>
</tr>
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<td>95.3 MHz</td>
<td>SL10181</td>
<td>TS10003467</td>
<td>4.4</td>
<td>Batchelor</td>
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<tr>
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<td>95.3 MHz</td>
<td>SL10181</td>
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<td>4.5</td>
<td>Bathurst Island</td>
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<tr>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS1137879</td>
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<td>Ceduna</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS1137880</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10002891</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003098</td>
<td>4.9</td>
<td>Finke</td>
</tr>
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<td>102.1 MHz</td>
<td>SL10181</td>
<td>TS10003108</td>
<td>4.10</td>
<td>Groote Eylandt</td>
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<td>103.7 MHz</td>
<td>SL10181</td>
<td>TS10003099</td>
<td>4.11</td>
<td>Hermansburg</td>
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<td>104.5 MHz</td>
<td>SL10181</td>
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<td>4.12</td>
<td>Katherine</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003100</td>
<td>4.13</td>
<td>Kintore</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003101</td>
<td>4.14</td>
<td>Lajamanu</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003102</td>
<td>4.15</td>
<td>Ngukurr</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003103</td>
<td>4.16</td>
<td>Papunya</td>
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<td>SL10181</td>
<td>TS10003104</td>
<td>4.17</td>
<td>Santa Teresa</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003105</td>
<td>4.18</td>
<td>Tennant Creek</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003106</td>
<td>4.19</td>
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<td>102.9 MHz</td>
<td>SL10181</td>
<td>TS10003109</td>
<td>4.20</td>
<td>Yuendumu</td>
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</table>
Schedule Forty Seven

Licence Area Plan : Remote Central and Eastern Australia Radio

**Licence Area : WUJAL WUJAL RA1**

<table>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Community</td>
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<td>SL10207</td>
<td>TS1096001</td>
<td>47.2</td>
<td>Wujal Wujal</td>
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</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137750

Transmitter Site:
Nominal location: Lot 119 Brim West Rd BRIM WEST
Australian Map Grid: Zone Easting Northing
Reference: 54 616765 6006353
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>0°T - 45°T</td>
<td>6 kW</td>
</tr>
<tr>
<td>45°T - 135°T</td>
<td>3 kW</td>
</tr>
<tr>
<td>135°T - 225°T</td>
<td>1.5 kW</td>
</tr>
<tr>
<td>225°T - 315°T</td>
<td>3 kW</td>
</tr>
<tr>
<td>315°T - 360°T</td>
<td>6 kW</td>
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</tbody>
</table>

Advisory Notes:
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 60 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1137523

Transmitter Site :
Nominal location : Bcast / Comms Mast Optus Site Adj Football Ground Inkerman Street WATCHEM

Australian Map Grid : Zone Easting Northing
Reference 54 667640 5997501
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 : 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 - 60°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>60°T - 100°T</td>
<td>3.2 kW</td>
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<tr>
<td>100°T - 230°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>230°T - 255°T</td>
<td>2.5 kW</td>
</tr>
<tr>
<td>255°T - 360°T</td>
<td>5 kW</td>
</tr>
</tbody>
</table>

Advisory Notes :
Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: Telstra Site Mount Oxley BOURKE
Australian Map Grid: Zone Easting Northing
Reference 55 426676 6658745
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: 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 : Bunnaloo (NSW)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS1136741

Transmitter Site :-
Nominal location : Flow FM Site Lot 104 Tantonan Rd TANTONAN
Australian Map Grid : Zone Easting Northing
Reference 55 292606 6040561
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 93.9 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>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 Lot 198 Schwarzs Hill Road CEDUNA
Australian Map Grid: Zone Easting Northing Reference
53 382536 6441796

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: 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 : 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 : 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>250 W</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 Easting Northing
Reference 54 377800 6051200
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: 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: Groote Eylandt (NT)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003568

Transmitter Site:
Nominal location: BA 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: Mixed
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>(Clockwise direction)</td>
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</tr>
<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: Hallett (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014453

Transmitter Site:
Nominal location: CBRS Repeater Site 29 km N of Burra MT BRYAN
Australian Map Grid: Zone Easting Northing
Reference: 54 311481 6299553
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: 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 - 140°T</td>
<td>500 W</td>
</tr>
<tr>
<td>140°T - 160°T</td>
<td>250 W</td>
</tr>
<tr>
<td>160°T - 180°T</td>
<td>168 W</td>
</tr>
<tr>
<td>180°T - 200°T</td>
<td>100 W</td>
</tr>
<tr>
<td>200°T - 220°T</td>
<td>168 W</td>
</tr>
<tr>
<td>220°T - 240°T</td>
<td>250 W</td>
</tr>
<tr>
<td>240°T - 360°T</td>
<td>500 W</td>
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</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1132869

Transmitter Site :-
Nominal location : Mt Plantagenet WAUKARINGA
Australian Map Grid : Zone Easting Northing
Reference 54 280620 6469923
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 88.7 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>1 kW</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: Gregory Place JABIRU
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:** TS1137178

**Transmitter Site:**
- **Nominal location:** Power Comm Site Mt Rufus DUTTON  
- **Australian Map Grid:**  
  - Zone: 54  
  - Easting: 327550  
  - Northing: 6201100  
- **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:** 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 - 130°T</td>
<td>4 kW</td>
</tr>
<tr>
<td>130°T - 260°T</td>
<td>500 W</td>
</tr>
<tr>
<td>260°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: Karoonda (SA)
Service Licence Number: SL10147

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10012333

*Transmitter Site:*
Nominal location: Telstra Site Hermann Road PERPONDA
Australian Map Grid:
Reference: Zone 54 Easting 393800 Northing 6129100
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>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: Keith (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133555

Transmitter Site:
Nominal location: Flow FM Site Keith Golf Course Emu Flat Rd KEITH
Australian Map Grid: Zone Easting Northing
Reference 54 445634 6006278
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.1 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>250 W</td>
</tr>
</tbody>
</table>

Advisory Notes:
Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: 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>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 Easting Northing
Reference 54 395358 5898664

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>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: Lake Cargelligo (NSW)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1132542

Transmitter Site:
Nominal location: Dept of Water Resources Site Mt Bowen LAKE CARGELLIGO

Australian Map Grid:
Reference: Zone 55 Easting 426950 Northing 6307710

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

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.5 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 - 90°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>90°T - 270°T</td>
<td>500 W</td>
</tr>
<tr>
<td>270°T - 360°T</td>
<td>5 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Leigh Creek South (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1136765

Transmitter Site:
Nominal location: Nominal Planning Site Copley Caravan Park Balcanoona Rd COPLEY

Australian Map Grid: Zone Easting Northing
Reference 54 252715 6616410

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: 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>
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 505432 6512239
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: 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: 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 Easting Northing
Reference: 53 751041 6193978
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: 25 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector</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>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008361

Transmitter Site:
Nominal location: Kerami Gardens Resort 22 Marysville-Woods Point Rd MARYSVILLE
Australian Map Grid:
Zone Easting Northing
Reference 55 389779 5847376
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 89.3 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>0°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: Meringur (VIC)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1136740

Transmitter Site:
Nominal location: Flow FM Site Yarrara South Rd YARRARA
Australian Map Grid: Zone 54 Easting 539061 Northing 6191241
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: 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>5 kW</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN:** Remote Central and Eastern Australia Radio

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

**TECHNICAL SPECIFICATION - FM Radio**

- **Specification Number:** TS10014369

**Transmitter Site :-**

- **Nominal location:** SA Water Site Lot 5 Minlaton-Stansbury Rd RAMSAY
- **Australian Map Grid:** Zone Easting Northing
  | Reference | 53 | 744479 | 6146330 |
- **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:** 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>1.6 kW</td>
</tr>
<tr>
<td>30°T - 60°T</td>
<td>3 kW</td>
</tr>
<tr>
<td>60°T - 100°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>100°T - 260°T</td>
<td>10 kW</td>
</tr>
<tr>
<td>260°T - 300°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>300°T - 330°T</td>
<td>3 kW</td>
</tr>
<tr>
<td>330°T - 360°T</td>
<td>1.6 kW</td>
</tr>
</tbody>
</table>
Attachment 1.27

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133156

Transmitter Site:
Nominal location: Telstra Site Lot 12 Talia Road MT DAMPER
Australian Map Grid: Zone Easting Northing
Reference 53 510400 6332750
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.9 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>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Mount Buller (VIC)
Service Licence Number : SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1136654

Transmitter Site :-
Nominal location : Snow Making Factory, Summit Rd, MT BULLER
Australian Map Grid : Zone  Easting  Northing
Reference  55  449860  5888420
Site Tolerance : 20 m

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 90.5 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>200 W</td>
</tr>
</tbody>
</table>

Advisory Notes :-

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

This Technical Specification shall not be used under the TPG change of site rules to licence this service at any alternate location.
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 55 Easting 369675 Northing 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: 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>250 W</td>
</tr>
</tbody>
</table>
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:
Reference: Zone 54 Easting 462651 Northing 5951099

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: 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 - 140°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>140°T - 200°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>200°T - 360°T</td>
<td>5 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1131147

Transmitter Site:
Nominal location: Broadcast Site via Eyre Highway, 8 km west of PENONG
Australian Map Grid: Zone Easting Northing
Reference 53 303142 6465775
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 101.5 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>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 Thomas Tank Hill Pinnaroo

Australian Map Grid:
Reference: Zone Easting Northing
54 495401 6086009

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: Powelltown (VIC)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137093

Transmitter Site:
Nominal location: Broadcast Site Mount Bride Rd POWELLTOWN
Australian Map Grid:
Reference: Zone Easting Northing
Reference: 55 388133 5813227
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 89.5 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>0°T - 90°T</td>
<td>50 W</td>
</tr>
<tr>
<td>90°T - 180°T</td>
<td>100 W</td>
</tr>
<tr>
<td>180°T - 270°T</td>
<td>50 W</td>
</tr>
<tr>
<td>270°T - 360°T</td>
<td>25 W</td>
</tr>
</tbody>
</table>
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: Telstra Site Lot 728 Olympic Way ROXBY DOWNS

Australian Map Grid:
Reference: Zone 53 Easting 681610 Northing 6618960

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: 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 - 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**: Speed (VIC)

**Service Licence Number**: SL10147

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number**: TS1136739

**Transmitter Site**:

- **Nominal location**: Flow FM Site via Graces Road TURRIFF
- **Australian Map Grid**: Zone 54 Easting 624236 Northing 6073935

**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**: 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>5 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 Medlingie Hill MARYVALE
Australian Map Grid: Zone Easting Northing
Reference: 53 451557 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>
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 via Peko Road 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: Mixed
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>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1136742

Transmitter Site:
Nominal location: Council Site Lot 96 Cullivel Rd URANA
Australian Map Grid: Zone Easting Northing
Reference 55 443680 6096833
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 88.7 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 - 30°T</td>
<td>3.5 kW</td>
</tr>
<tr>
<td>30°T - 90°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>90°T - 210°T</td>
<td>3.5 kW</td>
</tr>
<tr>
<td>210°T - 270°T</td>
<td>2.5 kW</td>
</tr>
<tr>
<td>270°T - 360°T</td>
<td>3.5 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Wilmington (SA)

Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1135013

Transmitter Site:
Nominal location: Police Tower Stoke Hill MOOCKRA

Australian Map Grid:
Reference: 54 257107 6412309

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: 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 - 270°T</td>
<td>250 W</td>
</tr>
<tr>
<td>270°T - 290°T</td>
<td>25 W</td>
</tr>
<tr>
<td>290°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: Woomera (SA)
Service Licence Number: SL10147

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1130762

Transmitter Site:
Nominal location: 5RRR Studio Site WOOMER.
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:

<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: Bocoble (NSW)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137129

Transmitter Site:
Nominal location: Communal Site Mt Bocoble BOCOBLE
Australian Map Grid: Zone Easting Northing
Reference: 55 757443 6366615
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>0°T - 30°T</td>
<td>10 W</td>
</tr>
<tr>
<td>30°T - 50°T</td>
<td>15 W</td>
</tr>
<tr>
<td>50°T - 70°T</td>
<td>35 W</td>
</tr>
<tr>
<td>70°T - 90°T</td>
<td>50 W</td>
</tr>
<tr>
<td>90°T - 110°T</td>
<td>65 W</td>
</tr>
<tr>
<td>110°T - 130°T</td>
<td>80 W</td>
</tr>
<tr>
<td>130°T - 240°T</td>
<td>100 W</td>
</tr>
<tr>
<td>240°T - 260°T</td>
<td>80 W</td>
</tr>
<tr>
<td>260°T - 280°T</td>
<td>65 W</td>
</tr>
<tr>
<td>280°T - 300°T</td>
<td>50 W</td>
</tr>
<tr>
<td>300°T - 320°T</td>
<td>35 W</td>
</tr>
<tr>
<td>320°T - 340°T</td>
<td>15 W</td>
</tr>
<tr>
<td>340°T - 360°T</td>
<td>10 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: TS1133293

Transmitter Site:
Nominal location: Comms Mast Rural Fire Service Site Mount Oxley BOURKE
Australian Map Grid: Zone Easting Northing
Reference: 55 426710 6658800
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.9 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>3 kW</td>
</tr>
</tbody>
</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:
Reference: Zone 56 Easting 460997 Northing 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:
<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: Commercial
General Area Served: Canungra (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10010408

Transmitter Site:
Nominal location: Optus Site Laheys Lookout MOUNT TAMBORINE
Australian Map Grid: Zone Easting Northing Reference
56 517834 6902899
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>

Advisory Notes:
This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
ATTACHMENT 2.12

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: TS1137888

Transmitter Site:
Nominal location: Queensland Comms Site Mt Goonaneman WOOWOONGA

Australian Map Grid:
Reference: Zone 56 Easting 411205 Northing 7187750
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: 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>

Advisory Notes:

This specification will be replaced by the technical specification TS10013051 at Attachment 2.13 if the service operates from a site more than 20 m from the nominal location specified in this technical specification.
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: Rebel Media Site Mt Goonaneman WOOWOONGA
Australian Map Grid: Zone Easting Northing
Reference 56 411107 7187216
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: 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>700 W</td>
</tr>
</tbody>
</table>

Advisory Notes:

This specification will replace the technical specification TS1137888 at Attachment 2.12 if the service operates from a site more than 20 m from the nominal location specified in technical specification TS1137888 at Attachment 2.12.
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 & Columba Sts CHINCHILLA

Australian Map Grid:
Reference: Zone 56  Easting 263743  Northing 7039729

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: 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: Collinsville (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003654

Transmitter Site:
Nominal location: Bowen Council Site Mt Devlin SPRINGLANDS
Australian Map Grid: Zone Easting Northing
Reference 55 586747 7730404
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 94.9 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>250 W</td>
</tr>
</tbody>
</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: Nominal Planning Site COMBOYNE
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: 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>0°T - 130°T</td>
<td>500 W</td>
</tr>
<tr>
<td>130°T - 240°T</td>
<td>20 W</td>
</tr>
<tr>
<td>240°T - 360°T</td>
<td>500 W</td>
</tr>
</tbody>
</table>

Advisory Notes :-
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
**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 :** TS1133237  

**Transmitter Site :-**  
**Nominal location :** Ergon Energy Site Mt Tully  
**Australian Map Grid :**  
<table>
<thead>
<tr>
<th>Zone</th>
<th>Easting</th>
<th>Northing</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>306338</td>
<td>8287257</td>
</tr>
</tbody>
</table>

**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 :** 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>
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: TS1137254

Transmitter Site:
Nominal location: Prime TV Site Adj Queensborough Trig off Kerrawah Road COOLAH
Australian Map Grid: Zone Easting Northing
Reference: 55 758088 6480962
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>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>2 kW</td>
</tr>
</tbody>
</table>

Advisory Notes:
The service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBUV/m against interference from other broadcasting services.
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 : TS1137034

Transmitter Site :-
Nominal location : Water Tank NE Cnr Wingadee St and Carrinda Rd COONAMBLE
Australian Map Grid : Zone Easting Northing
Reference 55 631857 6575785
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 98.7 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>100 W</td>
</tr>
</tbody>
</table>

Advisory Notes :-
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

This service has been planned on an interference limited basis, field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.
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: TS10013751

Transmitter Site:
Nominal location: Water Tower DIRRANBANDI
Australian Map Grid: Zone Easting Northing
Reference: 55 619250 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:

<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 : 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</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 :** Commercial
- **General Area Served :** Eurong (QLD)
- **Service Licence Number :** SL10216

**TECHNICAL SPECIFICATION - FM Radio**

- **Specification Number :** TS1133090

**Transmitter Site :**

- **Nominal location :** Eurong Ranger Station Eurong FRASER ISLAND
- **Australian Map Grid :** Zone 56 Easting 512838 Northing 7178931
- **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 :** 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>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1133265

Transmitter Site :-
Nominal location : Council Depot Boundary Road GOONDIWINDI
Australian Map Grid : Zone Easting Northing
Reference 56 236153 6841640
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 96.3 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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Great Lakes
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013609

Transmitter Site: FM Site Cabbage Tree Mountain UPPER MYALL

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: 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 - 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>
Attachment 2.25

LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133267

Transmitter Site:
Nominal location: Council Site Lot 2 Lardil St WELLESLEY ISLANDS
Australian Map Grid: Zone Easting Northing
Reference: 54 304806 8156702
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.5 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>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio
 Specification Number: TS1130639

Transmitter Site:
Nominal location: BRACS Site Poland Street 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: 104.5 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>30 W</td>
</tr>
</tbody>
</table>
**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:** Shire Council Site via Inglewood-Texas Rd
- **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:** 97.3 MHz
- **Polarisation:** Mixed
- **Maximum antenna height:** 20 m

<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: Julia Creek (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133281

Transmitter Site:
Nominal location: Water Tower Burke Street JULIA CREEK
Australian Map Grid: Zone Easting Northing
Reference: 54 577018 7715432
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: 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: Karumba (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133282

Transmitter Site:
Nominal location: Council Site Water Tower KARUMBA
Australian Map Grid: Zone Easting Northing
Reference 54 482725 8065195
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: 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>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN:  Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137763

Transmitter Site:
Nominal location: NBN Co Site 89 Lorne Road KENDALL
Australian Map Grid:
Reference: Zone 56 Easting 470704 Northing 6500511
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 105.3 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>

Advisory Notes:
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1135210

Transmitter Site:
Nominal location: Telstra Site Trig Point 600 North West Point via KILCOY
Australian Map Grid: Zone Easting Northing
Reference 56  454760  7030000
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: 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>200 W</td>
</tr>
</tbody>
</table>

Advisory Notes:
This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1133298

Transmitter Site:
Nominal location: Nominal Planning Site Resort Area KOORALBYN
Australian Map Grid: Zone Easting Northing
Reference 56 482600 6892300
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>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1130645

Transmitter Site :-
Nominal location : Council Site Lot 41 Chapman Road KOWANYAMA
Australian Map Grid : Zone Easting Northing
Reference 54 580041 8288750
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 : 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>30 W</td>
</tr>
</tbody>
</table>

Advisory Notes :-
This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1133294

Transmitter Site:-
Nominal location: Council Library Sara St MEANDARRA
Australian Map Grid: Zone Easting Northing
Reference 55 785127 6974357
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: 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>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:** Council Site Miles Hill via Warrego Hwy MILES
- **Australian Map Grid:**
  - Zone: 56
  - Easting: 228183
  - Northing: 7049172
- **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:** 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 : Monto (QLD)  
Service Licence Number : SL10216  

TECHNICAL SPECIFICATION - FM Radio  

Specification Number : TS10002724  

Transmitter Site :-  
Nominal location : Council Site Lovedays Hill BANCROFT  
Australian Map Grid : Zone Easting Northing  
Reference 56 315941 7252770  
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007  

Emission :-  
Frequency Band & Mode : VHF-FM  
Carrier Frequency : 105.1 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>0°T - 135°T</td>
<td>450 W</td>
</tr>
<tr>
<td>135°T - 315°T</td>
<td>900 W</td>
</tr>
<tr>
<td>315°T - 360°T</td>
<td>450 W</td>
</tr>
</tbody>
</table>
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: Rebel Media 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: 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 : Normanton (QLD)
Service Licence Number : SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003668

Transmitter Site :-
Nominal location : BA Site Hospital Road 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 : 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 Lot 95 Tullamore-Nyngan Road NYNGAN
- **Australian Map Grid:**
  - **Reference:** 55 517035 6505124
- **Site Tolerance:** Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

- **Frequency Band & Mode:** VHF-FM
- **Carrier Frequency:** 96.7 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>

**Advisory Notes :-**

This service has been planned on an interference limited basis. Field strengths below the planned maximum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial

General Area Served: Pormpuraaw (QLD)

Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1130398

Transmitter Site:
Nominal location: Broadcast Site Community Hall Edward River PORMPURAAW

Australian Map Grid: Zone Easting Northing
Reference 54 566500 8352500

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: 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>

Advisory Notes:
This service has been planned on an interference limited basis. Field strengths below the planned maximum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1133296

Transmitter Site:
Nominal location: Council Site Concrete Water Tower Goldring St RICHMOND

Australian Map Grid: Zone Easting Northing
Reference 54 723335 7705553
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: 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 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>

**Advisory Notes :-**

This service has been planned on an interference limited basis. Field strengths below the planned maximum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1134447

Transmitter Site:
Nominal location: Nominal Planning Site via Surat Developmental Rd 7km W of WERANGA
Australian Map Grid: Zone Easting Northing
Reference 56 269040 6974770
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.3 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>3 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: Council Site Water Tower Cranmer St TAROOM
Nominal location: Council Site Water Tower Cranmer St TAROOM
Australian Map Grid: Zone 55 Easting 781414 Northing 7160484
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: 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 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 Council Site Mount Mackenzie TENTERFIELD
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: 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>
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: TS1133300

Transmitter Site :-
Nominal location: BA Site via Stanthorpe – Texas Rd TEXAS
Australian Map Grid: Zone 56 Easting 324747 Northing 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: 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>

Advisory Notes :-

This service has been planned on an interference limited basis. Field strengths below the planned maximum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10014344
Transmitter Site:
Nominal location: Nominal Planning Site via Leichhardt Highway THEODORE
Australian Map Grid: Zone Easting Northing
Reference 56 203370 7237697
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: 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>100 W</td>
</tr>
</tbody>
</table>


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: TS1137036

Transmitter Site:
Nominal location: Telstra Radio Terminal Millman Hill
THURSDAY ISLAND
Australian Map Grid: Zone Easting Northing
Reference 54 634097 8830160
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: 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: Wandoan (QLD)
Service Licence Number: SL10216

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS10014379

Transmitter Site:
Nominal location: Water Tower Jerrard St WANDOAN
Australian Map Grid:
Reference
Zone 55
Easting 795819
Northing 7107210
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: 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 : TS1137226

*Transmitter Site :-*

Nominal location : Nominal Planning Site Mt Cenn Cruaich Access Road MT CENN CRUAICH

Australian Map Grid : Zone Easting Northing

Reference 55 692389 6530508

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

*Emission :-*

Frequency Band & Mode : VHF-FM

Carrier Frequency : 88.5 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>0°T - 60°T</td>
<td>2.5 kW</td>
</tr>
<tr>
<td>60°T - 85°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>85°T - 130°T</td>
<td>1.4 kW</td>
</tr>
<tr>
<td>130°T - 180°T</td>
<td>1.25 kW</td>
</tr>
<tr>
<td>180°T - 225°T</td>
<td>1.4 kW</td>
</tr>
<tr>
<td>225°T - 250°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>250°T - 360°T</td>
<td>2.5 kW</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 Land Street ROCKY POINT

Australian Map Grid : Zone

Reference Easting Northing

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>

**Special Condition :-**

Operation of this service is permitted at more than 5 dB below the maximum ERP specified.

**Advisory Note :-**

Operation at power levels below that planned for the service may result in interference to the service. The ACMA’s planning framework will not protect services from interference in these circumstances.
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: Council Water Tower, 18 Barkindji Drive, WILCANNIA

Australian Map Grid:
Reference: Zone 54 Easting 725865 Northing 6506520

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

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.7 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>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: TS1133270

Transmitter Site:
Nominal location: Water Treatment Plant, Lot 7 Yelarbon-Keetah Road, YELARBON

Australian Map Grid:
Reference: Zone 56 Easting 278198 Northing 6830496

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: 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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133254

Transmitter Site:
Nominal location: Broadcast Site Water Tower Dryden St ALPHA
Australian Map Grid: Zone Easting Northing
Reference: 55 462230 7384183
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 99.1 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>


LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1003970

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

**Emission:**
Frequency Band & Mode: VHF-FM
Carrier Frequency: 89.7 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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Barrington / Stratford (NSW)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013960

**Transmitter Site:**
Nominal location: Rebel Media Site Kiaora Lookout GLOUCESTER

Australian Map Grid: Zone Easting Northing
Reference: 56 400343 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>
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: Broadcast / Comms Site off Veresdale Scrub Sch Rd MT DUNSINANE
Australian Map Grid: Zone 56 Easting 503874 Northing 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: Bocoble (NSW)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137219

Transmitter Site:
Nominal location: Communal Site Mt Bocoble BOCOBLE
Australian Map Grid: Zone Easting Northing
Reference: 55 757443 6366615
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: 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 - 30°T</td>
<td>10 W</td>
</tr>
<tr>
<td>30°T - 50°T</td>
<td>15 W</td>
</tr>
<tr>
<td>50°T - 70°T</td>
<td>35 W</td>
</tr>
<tr>
<td>70°T - 90°T</td>
<td>50 W</td>
</tr>
<tr>
<td>90°T - 110°T</td>
<td>65 W</td>
</tr>
<tr>
<td>110°T - 130°T</td>
<td>80 W</td>
</tr>
<tr>
<td>130°T - 240°T</td>
<td>100 W</td>
</tr>
<tr>
<td>240°T - 260°T</td>
<td>80 W</td>
</tr>
<tr>
<td>260°T - 280°T</td>
<td>65 W</td>
</tr>
<tr>
<td>280°T - 300°T</td>
<td>50 W</td>
</tr>
<tr>
<td>300°T - 320°T</td>
<td>35 W</td>
</tr>
<tr>
<td>320°T - 340°T</td>
<td>15 W</td>
</tr>
<tr>
<td>340°T - 360°T</td>
<td>10 W</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: Telstra Site Mount Oxley BOURKE
Australian Map Grid: Zone Easting Northing
Reference: 55 426676 6658745
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: 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>3 kW</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: Optus Site Laheys Lookout MOUNT TAMBORINE

Australian Map Grid Reference: Zone 56 Easting 517834 Northing 6902899
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>

Advisory Notes:
This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1137887

Transmitter Site:
Nominal location: Queensland Comms Site Mt Goonaneman WOOWOONGA
Australian Map Grid: Zone Easting Northing Reference 56 411205 7187750
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>1 kW</td>
</tr>
</tbody>
</table>

Advisory Notes:
This specification will be replaced by the technical specification TS10013047 at Attachment 2.62 if the service operates from a site more than 20 m from the nominal location specified in this technical specification.
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: Rebel Media Site Mt Goonaneman WOOWOONGA
Australian Map Grid: Zone Easting Northing Reference
56 411107 7187216
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: 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>700 W</td>
</tr>
</tbody>
</table>

Advisory Notes:
This specification will replace the technical specification TS1137887 at Attachment 2.61 if the service operates from a site more than 20 m from the nominal location specified in technical specification TS1137887 at Attachment 2.61.
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 & Columba Sts
CHINCHILLA

Australian Map Grid:
Reference: Zone 56
Easting 263743
Northing 7039729

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: 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 : Collinsville (QLD) 
Service Licence Number : SL1150711

**TECHNICAL SPECIFICATION - FM Radio**

Speciﬁcation Number : TS1133128

**Transmitter Site :-**

Nominal location : Bowen Council Site Mt Devlin SPRINGLANDS

Australian Map Grid : Zone Easting Northing  
Reference 55 586747 7730404

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

**Emission :-**

Frequency Band & Mode : VHF-FM  
Carrier Frequency : 90.1 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>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Comboyne (NSW)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137810

Transmitter Site:
Nominal location: Nominal Planning Site COMBOYNE
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: 91.1 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>0°T - 130°T</td>
<td>500 W</td>
</tr>
<tr>
<td>130°T - 240°T</td>
<td>20 W</td>
</tr>
<tr>
<td>240°T - 360°T</td>
<td>500 W</td>
</tr>
</tbody>
</table>

Advisory Notes:
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133236

Transmitter Site :-
Nominal location: Ergon Energy Site Mt Tully COOKTOWN
Australian Map Grid: Zone Easting Northing
Reference 55 306338 8287257
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: 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>
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

Category : Commercial
General Area Served : Coolah (NSW)
Service Licence Number : SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1137776

Transmitter Site :-
Nominal location : Prime TV Site Adj Queensborough Trig off Kerrawah Road COOLAH
Australian Map Grid : Zone Easting Northing
Reference 55 758088 6480962
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 98.7 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>2 kW</td>
</tr>
</tbody>
</table>

Advisory Notes :-
The service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Coonamble (NSW)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137777

Transmitter Site:
Nominal location: Water Tank NE Cnr Wingadee St and Carrinda Rd COONAMBLE
Australian Map Grid: Zone Easting Northing
Reference: 55 631857 6575785
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: 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>

Advisory Notes:
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.

This service has been planned on an interference limited basis, field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133256

Transmitter Site:
Nominal location: Water Tower DIRRANBANDI
Australian Map Grid:
Reference: Zone 55 Easting 619250 Northing 6837250
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: 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 : 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</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: Commercial
General Area Served: Eurong (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133089

Transmitter Site:
Nominal location: Eurong Ranger Station  Eurong  FRASER ISLAND
Australian Map Grid: Zone Easting Northing
Reference: 56  512838  7178931
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 94.9 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>25 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133266

Transmitter Site:
Nominal location: Council Depot Boundary Road GOONDIWINDI
Australian Map Grid: Zone Easting Northing
Reference: 56 236153 6841640
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.7 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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Great Lakes
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013610

**Transmitter Site:**
Nominal location: FM Site Cabbage Tree Mountain UPPER MYALL
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: 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 - 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: Inglewood (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013190

Transmitter Site:
Nominal location: Shire Council Site via Inglewood-Texas Road
BRACKER FOREST

Australian Map Grid:
Reference: Zone 56 Easting 313250 Northing 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:

This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
**LICENCE AREA PLAN:** Remote Central and Eastern Australia Radio

**Category:** Commercial  
**General Area Served:** Julia Creek (QLD)  
**Service Licence Number:** SL1150711

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number:** TS1133258  
**Transmitter Site:**
- **Nominal location:** Water Tower Burke Street JULIA CREEK
- **Australian Map Grid:** Zone Easting Northing  
  - Reference: 54 577018 7715432
- **Site Tolerance:** Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**
- **Frequency Band & Mode:** VHF-FM  
- **Carrier Frequency:** 96.3 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>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133257

Transmitter Site:
Nominal location: Council Site Water Tower KARUMBA
Australian Map Grid:
Reference: Zone 54 Easting 482725 Northing 8065195
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: 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>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Commercial
General Area Served: Kendall (NSW)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137775

Transmitter Site:-
Nominal location: NBN Co Site 89 Lorne Road KENDALL
Australian Map Grid:
Reference: Zone Easting Northing
56 470704 6500511
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:-
Frequency Band & Mode: VHF-FM
Carrier Frequency: 106.9 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>

Advisory Notes:-
Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
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: TS1135209

Transmitter Site: -
Nominal location: Telstra Site Trig Point 600 North West Point via KILCOY
Australian Map Grid: Zone Easting Northing
Reference 56 454760 7030000
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission: -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 98.5 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>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>

Advisory Notes: -
This service has been planned on an interference limited basis. Field strengths below the planned minimum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
**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 :** TS1133299

**Transmitter Site :-**

**Nominal location :** Nominal Planning Site Resort Area KOORALBYN

**Australian Map Grid :**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Easting</th>
<th>Northing</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>482600</td>
<td>6892300</td>
</tr>
</tbody>
</table>

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

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133167

Transmitter Site: Council Site Miles Hill via Warrego Hwy MILES
Nominal location: Council Site Miles Hill via Warrego Hwy MILES

Australian Map Grid: Zone Easting Northing
Reference: 56 228183 7049172
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: 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: Monto (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS1134151

Transmitter Site:
Nominal location: Council Site Lovedays Hill BANCROFT
Australian Map Grid: Zone 56  Easting 315941  Northing 7252770
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>0°T - 135°T</td>
<td>450 W</td>
</tr>
<tr>
<td>135°T - 315°T</td>
<td>900 W</td>
</tr>
<tr>
<td>315°T - 360°T</td>
<td>450 W</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: Rebel Media 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: Normanton (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133259

Transmitter Site:
Nominal location: BA Site Hospital Road 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: 104.1 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>100 W</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN** : Remote Central and Eastern Australia Radio

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

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1133271  

*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 : 90.1 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>

*Advisory Notes :-*

This service has been planned on an interference limited basis. Field strengths below the planned maximum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN : Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1134416

Transmitter Site :
Nominal location : Nominal Planning Site via Surat Developmental Rd 7km W of WERANGA
Australian Map Grid : Zone Easting Northing
Reference 56 269040 6974770
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :
Frequency Band & Mode : VHF-FM
Carrier Frequency : 99.9 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>3 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133283

Transmitter Site: Council Site Water Tower Cranmer St TAROOM
Nominal location: Cranmer St TAROOM
Australian Map Grid: Zone 55 Easting 781414 Northing 7160484
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.5 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 2.87**

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

Category : Commercial
General Area Served : Tenterfield (NSW)
Service Licence Number : SL1150711

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1133269

*Transmitter Site :*
Nominal location : New Council Site Mount Mackenzie TENTERFIELD
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 : 102.5 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>4 kW</td>
</tr>
</tbody>
</table>
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: TS113303

Transmitter Site:
Nominal location: BA Site Via Stanthorpe – Texas Rd TEXAS
Australian Map Grid:
Reference: Zone Easting Northing
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: 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>

Advisory Notes:
This service has been planned on an interference limited basis. Field strengths below the planned maximum median field strength level are likely to suffer interference from other broadcasting services.

Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133217

Transmitter Site:
Nominal location: Nominal Planning Site via Leichhardt Highway THEODORE
Australian Map Grid: Zone Easting Northing
Reference 56 203370 7237697
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: 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>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003974

Transmitter Site:
Nominal location: Telstra Radio Terminal Millman Hill
THURSDAY ISLAND
Australian Map Grid:
Reference: Zone 54 Easting 634097 Northing 8830160
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: 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: Wandoan (QLD)
Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133260

Transmitter Site:
Nominal location: Water Tower Jerrard St WANDOAN
Australian Map Grid:
Reference: Zone 55 Easting 795819 Northing 7107210
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: 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:** SL1150711

**TECHNICAL SPECIFICATION - FM Radio**

- **Specification Number:** TS1137227

**Transmitter Site:**
- **Nominal location:** Nominal Planning Site Mt Cenn Cruaich Access Road MT CENN CRUAICH
- **Australian Map Grid Reference:** Zone 55 Easting 692389 Northing 6530508
- **Site Tolerance:** Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission:**
- **Frequency Band & Mode:** VHF-FM
- **Carrier Frequency:** 89.3 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>0°T - 60°T</td>
<td>2.5 kW</td>
</tr>
<tr>
<td>60°T - 85°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>85°T - 130°T</td>
<td>1.4 kW</td>
</tr>
<tr>
<td>130°T - 180°T</td>
<td>1.25 kW</td>
</tr>
<tr>
<td>180°T - 225°T</td>
<td>1.4 kW</td>
</tr>
<tr>
<td>225°T - 250°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>250°T - 360°T</td>
<td>2.5 kW</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 Land Street ROCKY POINT
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: Commercial

General Area Served: Wilcannia (NSW)

Service Licence Number: SL1150711

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133284

Transmitter Site:

Nominal location: Council Water Tower, 18 Barkindji Drive, WILCANNIA

Australian Map Grid: Zone Easting Northing Reference

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 101.5 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>50 W</td>
</tr>
</tbody>
</table>

Refer to Broadcasting Services (Technical Planning) Guidelines 2007
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 : BA Site off Clermont-Alpha Rd ALPHA
Australian Map Grid : Zone Easting Northing
Reference 55 462132 7387849
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>
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 : BA Site off Clermont-Alpha Rd  ALPHA
Australian Map Grid : Zone Easting Northing
Reference 55 462132 7387849
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: Birdsville (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003854

Transmitter Site:
Nominal location: Telstra Radio Terminal BIRDSVILLE
Australian Map Grid: Zone Easting Northing
Reference 54 335120 7134595
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 : Telstra Radio Terminal BIRDSVILLE
Australian Map Grid :
Reference Zone 54
Easting 335120
Northing 7134595
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>
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 : Telstra Site Mt Oxley BOURKE
Australian Map Grid : Zone 55 Easting 426676 Northing 6658745
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: AM Mast Lot 1 Gongolgon Rd BYROCK

Australian Map Grid: Zone Easting Northing
Reference: 55 444573 6608512

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>170°T - 170°T</td>
<td>0</td>
<td>630 V</td>
</tr>
<tr>
<td>180°T - 180°T</td>
<td>0</td>
<td>855 V</td>
</tr>
<tr>
<td>190°T - 190°T</td>
<td>0</td>
<td>1.075 kV</td>
</tr>
<tr>
<td>200°T - 200°T</td>
<td>0</td>
<td>1.27 kV</td>
</tr>
<tr>
<td>210°T - 210°T</td>
<td>0</td>
<td>1.42 kV</td>
</tr>
<tr>
<td>220°T - 220°T</td>
<td>0</td>
<td>1.51 kV</td>
</tr>
<tr>
<td>Temperature Interval</td>
<td>Value</td>
<td>Voltage</td>
</tr>
<tr>
<td>----------------------</td>
<td>-------</td>
<td>---------</td>
</tr>
<tr>
<td>230°T - 230°T</td>
<td>0</td>
<td>1.535 kV</td>
</tr>
<tr>
<td>240°T - 240°T</td>
<td>0</td>
<td>1.505 kV</td>
</tr>
<tr>
<td>250°T - 250°T</td>
<td>0</td>
<td>1.435 kV</td>
</tr>
<tr>
<td>260°T - 260°T</td>
<td>0</td>
<td>1.34 kV</td>
</tr>
<tr>
<td>270°T - 270°T</td>
<td>0</td>
<td>1.245 kV</td>
</tr>
<tr>
<td>280°T - 280°T</td>
<td>0</td>
<td>1.16 kV</td>
</tr>
<tr>
<td>290°T - 290°T</td>
<td>0</td>
<td>1.105 kV</td>
</tr>
<tr>
<td>300°T - 300°T</td>
<td>0</td>
<td>1.085 kV</td>
</tr>
<tr>
<td>310°T - 310°T</td>
<td>0</td>
<td>1.105 kV</td>
</tr>
<tr>
<td>320°T - 320°T</td>
<td>0</td>
<td>1.16 kV</td>
</tr>
<tr>
<td>330°T - 330°T</td>
<td>0</td>
<td>1.245 kV</td>
</tr>
<tr>
<td>340°T - 340°T</td>
<td>0</td>
<td>1.34 kV</td>
</tr>
<tr>
<td>350°T - 350°T</td>
<td>0</td>
<td>1.435 kV</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: Telstra Site Lot 18 Plan 17 Barkly Hwy 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 : Camooveal (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003915

Transmitter Site :-
Nominal location : Telstra Site Lot 18 Plan 17 Barkly Hwy
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 : 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 Lot 51 Eyre Hwy CEDUNA
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 : Collinsville (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002791

Transmitter Site :-
Nominal location : Broadcast Site Mt Devlin SPRINGLANDS
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 SPRINGLANDS
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 : Cooktown (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002760

Transmitter Site :-
Nominal location : Broadcast Site 70 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 : 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 70 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 Lot 103 Nauiyu Comm NAUIYU
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 Lot 103 Nauiyu Comm NAUIYU

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 30 Whyenbah Rd
DIRRANBANDI

Australian Map Grid : Zone Easting Northing
Reference 55 622175 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 562314 8670809
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:
Reference: Zone 53, Easting 562314, Northing 8670809
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-Georgetown Road 1 km S of GEORGETOWN
Australian Map Grid: Zone Easting Northing
Reference: 54 768900 7974340
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 : Georgetown (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003929

Transmitter Site :-
Nominal location : Broadcast Site Forsyth-Georgetown Road 1 km S of GEORGETOWN
Australian Map Grid : Zone 54 Easting 768900 Northing 7974340
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 Lot 1 Goodooga Road 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 Lot 1 Goodooga Road GOODOOGA
Australian Map Grid : Zone 55 Easting 546776 Northing 6777031
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 Lot 17 Gregory Developmental Road GREENVALE
Australian Map Grid : Zone 55  Easting 288202  Northing 7897534
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 Lot 17 Gregory Developmental Road GREENVALE

Australian Map Grid : Zone Easting Northing
Reference 55 288202 7897534

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>


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 : BA 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 (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: Groote Eylandt (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003173

Transmitter Site:
Nominal location: BA Site Cypress Rd Alyangula GROOTE EYLANDT

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

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 off Rowes Road 4 km SE of HAWKER
Australian Map Grid : Zone Easting Northing
Reference 54 258329 6465311
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 Lot 1 Balranald Road IVANHOE
Australian Map Grid : Zone Easting Northing
Reference 55 245253 6354021
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>


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 : TS10003999

Transmitter Site :-
Nominal location : Broadcast Site Lot 1 Balranald Road IVANHOE
Australian Map Grid : Zone Easting Northing
Reference : 55 245253 6354021
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>
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 9 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>
Attachment 3.45

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 : BA AM Mast Lot 2305 El Sharana Road JABIRU
Australian Map Grid : Zone Easting Northing
Reference 53 266314 8599780
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>

Advisory Notes :-
The CMF 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 Lot 30 Old Normanton Road 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>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

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

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10003935

Transmitter Site:
Nominal location: AM Mast off Flinders Hwy 8 km E of JULIA CREEK

Australian Map Grid:
Reference: Zone Easting Northing
54 585377 7716130

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>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>Temperature Range</td>
<td>Voltage</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td>220°T - 220°T</td>
<td>535 V</td>
<td></td>
</tr>
<tr>
<td>230°T - 230°T</td>
<td>710 V</td>
<td></td>
</tr>
<tr>
<td>240°T - 240°T</td>
<td>885 V</td>
<td></td>
</tr>
<tr>
<td>250°T - 250°T</td>
<td>1.055 kV</td>
<td></td>
</tr>
<tr>
<td>260°T - 260°T</td>
<td>1.21 kV</td>
<td></td>
</tr>
<tr>
<td>270°T - 270°T</td>
<td>1.34 kV</td>
<td></td>
</tr>
<tr>
<td>280°T - 280°T</td>
<td>1.445 kV</td>
<td></td>
</tr>
<tr>
<td>290°T - 290°T</td>
<td>1.515 kV</td>
<td></td>
</tr>
<tr>
<td>300°T - 300°T</td>
<td>1.56 kV</td>
<td></td>
</tr>
<tr>
<td>310°T - 310°T</td>
<td>1.59 kV</td>
<td></td>
</tr>
<tr>
<td>320°T - 320°T</td>
<td>1.6 kV</td>
<td></td>
</tr>
<tr>
<td>330°T - 330°T</td>
<td>1.605 kV</td>
<td></td>
</tr>
<tr>
<td>340°T - 340°T</td>
<td>1.605 kV</td>
<td></td>
</tr>
<tr>
<td>350°T - 350°T</td>
<td>1.605 kV</td>
<td></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 : Council Site adj Water Reservoir KARUMBA
Australian Map Grid : Zone Easting Northing
Reference 54 482725 8065195
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 (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: Council Site adj Water Reservoir KARUMBA
Australian Map Grid:
Reference: Zone 54 Easting 482725 Northing 8065195
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 Lot 94 Sugarloaf Road 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 Lot 204 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 Lot 204 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**

Specifikation Number : TS10003936

**Transmitter Site :-**

Nominal location : Telstra Radio Terminal Lot 168 Deighton Road
LAURA

Australian Map Grid : Zone Easting Northing
Reference 55 225857 8278014

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: Telstra Radio Terminal Lot 168 Deighton Road LAURA
Australian Map Grid: Zone Easting Northing
Reference: 55 225857 8278014
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: BA Site Lot 13 Wattle Street LEIGH CREEK
Australian Map Grid: Zone Easting Northing
Reference 54 250983 6611714
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: BA Site  Lot 13 Wattle Street  LEIGH CREEK
Australian Map Grid:
Reference: 54  250983  6611714
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>

Advisory 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  214791  6715745

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 Easting Northing
Reference 54 214791 6715745
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 Lot 1435 Conway Road 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 Lot 1435 Conway Road 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 : Meanderarra (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003877

Transmitter Site :-
Nominal location : BA Site Yellowcap Ridge off Hurst Road 30 km SW of MEANDARRA
Australian Map Grid : Zone Easting Northing
Reference 55 760971 6956135
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 Menindee-Broken Hill Road 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 Menindee-Broken Hill Road 7km North of MENINDEE
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: 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 via 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 78 Plateau Road MULGILDIE
Australian Map Grid: Zone Easting Northing
Reference 56 316850 7234840
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>
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 78 Plateau Road MULGILDIE
Australian Map Grid : Zone Easting Northing
Reference 56 316850 7234840
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 : Telstra Radio Terminal Lot 39 Onyx Street MOUNT GARNET
Australian Map Grid : Zone Easting Northing
Reference 55 300510 8043470
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 : Telstra Radio Terminal Lot 39 Onyx Street
                  MOUNT GARNET
Australian Map Grid : Zone  Easting   Northing
Reference         55      300510   8043470
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 : TS1003177

Transmitter Site :-
Nominal location : Broadcast Site via Stuart Hwy PAMAYU
Australian Map Grid : Zone Easting Northing
Reference 53 335030 8072588
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>
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 via Stuart Hwy PAMAYU
Australian Map Grid: Zone Easting Northing
      53 335030 8072588
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 : BA AM Mast 40 Eugenia Ave NHULUNBUY  
Australian Map Grid : Zone  Easting  Northing  
Reference  53  694962  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 Site Town Water Tank Road 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</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>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 : BA Site Hospital Road 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: BA Site Hospital Road 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: 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 Lot 95 Tullamore Nyngan Road NYNGAN

Australian Map Grid : Zone Easting Northing
Reference 55 517035 6505124
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 : Pine Creek (NT)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003997

Transmitter Site :-
Nominal location : Broadcast Site Lot 80 Whitelaw Street 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

<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 Lot 80 Whitelaw Street 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: Richmond (QLD)  
Service Licence Number: Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number: TS10002758

*Transmitter Site :-*

Nominal location: Telstra Radio Terminal Lot 1 Flinders Hwy 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 Lot 728 Olympic Way ROXBYS DOWNS
Australian Map Grid: Zone Easting Northing
Reference 53 681610 6618960
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: 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>325 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 Lot 728 Olympic Way ROXBY
                DOWNSS
Australian Map Grid : Zone Easting Northing
Reference 53 681610 6618960
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>325 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 Lot 728 Olympic Way ROXBYS
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>325 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 Lot 520 Cape Bauer Road STREAKY BAY

**Australian Map Grid** :

<table>
<thead>
<tr>
<th>Zone</th>
<th>Easting</th>
<th>Northing</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>424241</td>
<td>6375253</td>
</tr>
</tbody>
</table>

**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>
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 : AM Mast Lot 520 Cape Bauer Road
STREAKY BAY

Australian Map Grid : Zone Easting Northing
Reference 53 424065 6375073

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>
<td>155 V</td>
</tr>
<tr>
<td>80°T - 80°T</td>
<td>0</td>
<td>130 V</td>
</tr>
<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>
</tr>
<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>Temperature Range</td>
<td>Offset</td>
<td>Voltage</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------</td>
<td>---------</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: BA Site Lot 4 Cranmer St TAROOM
Australian Map Grid: Zone Easting Northing
Reference: 55 781505 7160584
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: BA Site Lot 4 Cranmer St TAROOM
Australian Map Grid: Zone Easting Northing
Reference: 55 781505 7160584
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 (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: Tennant Creek (NT)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003179

Transmitter Site:
Nominal location: Telstra Repeater 8400 via Peko Road
TENNANT CREEK

Australian Map Grid:
Reference: 53 418470 7828650

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 : BA AM Mast Peko Road 8 km ESE of TENNANT CREEK

Australian Map Grid : Zone Easting Northing
Reference 53 422358 7824788

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 : Telstra Site Mount Mackenzie TENTERFIELD
Australian Map Grid : Zone Easting Northing
Reference 56 399315 6781814
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>
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: Telstra Site Mount Mackenzie TENTERFIELD

Australian Map Grid:
Reference: Zone 56 Easting 399315 Northing 6781814

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 16782 Leichhardt Hwy ISLA
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 16782 Leichhardt Hwy ISLA
Australian Map Grid : Zone Easting Northing
Reference 56 203175 7236984
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 : Torres Strait (QLD)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10003975

Transmitter Site :-
Nominal location : BA AM Mast 1 Stephen Street 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 off Tullamore-Nyngan Road 3.5km NW of TOTTENHAM
Australian Map Grid : Zone Easting Northing Reference
55 531301 6435157
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 : 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 412 Nathan Rd WANDOAN
Australian Map Grid : Zone Easting Northing
Reference 55 796087 7115459
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 Radio

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 412 Nathan Rd WANDOAN
Australian Map Grid : Zone Easting Northing
Reference 55 796087 7115459
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 : Broadcast Site Weipa TV Station Dalpura Ct ROCKY POINT
Australian Map Grid : Zone Easting Northing
Reference 54 596304 8603932
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>


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: BA AM Mast Lot 38 Tonkin Road ROCKY POINT
Australian Map Grid:
Reference: Zone 54 Easting 596550 Northing 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 : BA AM Mast Lot 12 Cleaton St WILCANNIA
Australian Map Grid : Zone Easting Northing
Reference 54 724924 6505985
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 : BA AM Mast Lot 12 Cleaton St WILCANNIA  
Australian Map Grid : Zone Easting Northing  
Reference 54 724924 6505985  
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 off Gawler Ranges Road 8 km SE of WIRRULLA
Australian Map Grid:
Reference: Zone 53 Easting 463456 Northing 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 off Pimba Road WOOMERA
Australian Map Grid: Zone 53  Easting 672931  Northing 6547017
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 : BA Mast Kotara Crescent WOOMERA
Australian Map Grid : Zone Easting Northing
Reference 53 673939 6546608
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: BA Site off Clermont-Alpha Road ALPHA
Australian Map Grid:
Reference: Zone Easting Northing
55 462132 7387849
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 462132; Northing 7387849. 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 SPRINGLANDS
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: Normanton (QLD)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10002751

Transmitter Site:
Nominal location: BA Site Hospital Road NORMANTON
Australian Map Grid: Zone 54 Easting 508979 Northing 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:

<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 ‘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 Lot 80 Whitelaw Street 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 :-

<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 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:**
Nominal location: Broadcast Site Weipa TV Station Dalpura Ct ROCKY POINT
Australian Map Grid: Zone Easting Northing 54 596304 8603932
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:**

<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 ‘coverage radius' of this transmission is 10 kilometres measured from a point with the following AMG co-ordinates: Zone 54; Easting 596304; Northing 8603932. 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:** Shire Council Site via Inglewood-Texas Road 
  BRACKER OREST
- **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 :-**

<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 ‘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.

**Advisory Notes :-** Any transmission in accordance with this specification is planned on the basis that it will be protected to a minimum median field strength level of 66 dBuV/m against interference from other broadcasting services.
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Ceduna (SA)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137879

Transmitter Site:
Nominal location: Broadcast Site Lot 198 Schwarzs Hill Road CEDUNA

Australian Map Grid: Zone Easting Northing
Reference: 53 382536 6441796
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: 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>200 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Remote Central and Eastern Australia Radio

Category: Community
General Area Served: Elliott (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137880

Transmitter Site:
Nominal location: Broadcast Site Lot 134 Stuart Hwy ELLIOTT
Australian Map Grid: Zone 53 Easting 345464 Northing 8058330
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: 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>800 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 : 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 : 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>
Attachment 4.9

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 457025 7170035
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>
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 273412 Northing 7349856
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: Katherine (NT)
Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1137881

Transmitter Site:
Nominal location: Council Site Lot 3135 (13) Chardon Street KATHERINE

Australian Map Grid: Zone Easting Northing
Reference: 53 207259 8397943

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

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 104.5 MHz
Polarisation: Mixed
Maximum antenna height: 38 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 : Kintore (NT)
Service Licence Number : SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10003100

Transmitter Site :-
Nominal location : Broadcast Site Gary Junction Road KINTORE
Australian Map Grid :
Reference : Zone Easting Northing
52 539910 7426007
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 Arts Centre LAJAMANU
Australian Map Grid: Zone Easting Northing
Reference: 52 672684 7971665
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: Ngukurr (NT)

Service Licence Number: SL10181

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003102

Transmitter Site:

Nominal location: Broadcast Site Lot 293 Balamurra Street NGUKURR

Australian Map Grid: Zone Easting Northing
Reference 53 471058 8370851

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>
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 Lot 270 Church Street SANTA TERESA  
Australian Map Grid : Zone Easting Northing  
Reference : 53 436521 7330992  
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 via Peko Road  
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 : 102.9 MHz  
Polarisation : Mixed  
Maximum antenna height : 20 m

<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 Lot 126 Willowra Comm.
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>
Licence Area - ALI CURUNG RA1
Community Radio Service Licence number: 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>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD 031206</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
Licence Area - AMATA RA1

Community Radio Service Licence number: 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>
</tr>
</thead>
<tbody>
<tr>
<td>SA CD</td>
</tr>
<tr>
<td>010109</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - AURUKUN RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>010501</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - BARUNGA RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030701</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - BATHURST ISLAND RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030103</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - BESWICK RA1

Community Radio Service Licence number: 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 - BULMAN RA1
Community Radio Service Licence number: 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 - DAGURAGU RA1
Community Radio Service Licence number: 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
Licence Area - DOOMADGEE RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>020505</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - ERNABELLA RA1
Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>010110</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - FINKE RA1

Community Radio Service Licence number: 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 - FREGON RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>010108</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - GALIWINKU RA1
Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030401</td>
</tr>
</tbody>
</table>

**Note:**
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
Licence Area - GUNUNA RA1
Community Radio Service Licence number: 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 - HERMANNSBURG RA1

Community Radio Service Licence number: SL10118

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

| Area Description | NT CD 031113 |

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - HOPE VALE RA1
Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>010707</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
**Licence Area - IMANPA RA1**

**Community Radio Service Licence number:** 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>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD</td>
<td>031402</td>
</tr>
<tr>
<td>NT CD</td>
<td>031403</td>
</tr>
<tr>
<td>NT CD</td>
<td>031404</td>
</tr>
<tr>
<td>NT CD</td>
<td>031405</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - INDULKANA RA1

Community Radio Service Licence number: 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 - KINTORE RA1
Community Radio Service Licence number: 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>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD</td>
</tr>
<tr>
<td>031107</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - KOWANYAMA RA1

Community Radio Service Licence number: 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 - LAJAMANU RA1**

**Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030905</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
**Licence Area - LOCKHART RIVER RA1**

**Community Radio Service Licence number:** 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</td>
</tr>
<tr>
<td>010601</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - MANINGRIDA RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030308</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
**Licence Area - MILIKAPITI RA1**

**Community Radio Service Licence number: 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>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NT CD</td>
<td></td>
</tr>
<tr>
<td>030105</td>
<td></td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - MILINGIMBI RA1
Community Radio Service Licence number: 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 - MINJILANG RA1**

**Community Radio Service Licence number:** 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</td>
</tr>
<tr>
<td>030303</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - NGUKURR RA1
Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030601</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
Licence Area - NTURNASA RA1

Community Radio Service Licence number: 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
License Area - NUMBULWAR RA1

Community Radio Service Licence number: 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 - OENPELLI RA1**

**Community Radio Service Licence number:** 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</td>
</tr>
<tr>
<td>030306</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - PALUMPA RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>(CGC) (LGA)</td>
</tr>
<tr>
<td>Thamarrurr (CGC)</td>
</tr>
<tr>
<td>(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
(CGC) = Community Government Council
(CD) = Collection District
Licence Area - PAPUNYA RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>031104</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - PEPPIMENARTI RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030806</td>
</tr>
</tbody>
</table>

**Note:**
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
**Licence Area - PMARA JUTUNTA RA1**

**Community Radio Service Licence number: 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 - PORMPURAAW RA1

Community Radio Service Licence number: 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 - PULARUMPI RA1

Community Radio Service Licence number: 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 - RAMINGINING RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030404</td>
</tr>
</tbody>
</table>

*Note:*

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - UMBAKUMBA RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030503</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
Licence Area - WADEYE RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>030803</td>
</tr>
</tbody>
</table>

Note:
Standard terminology used by the Australian Bureau of Statistics:
(CD) = Collection District
**Licence Area - WARRUWI RA1**

**Community Radio Service Licence number:** 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</td>
</tr>
<tr>
<td>030305</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - WILLOWRA RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>031109</td>
</tr>
<tr>
<td>NT CD</td>
</tr>
<tr>
<td>031121</td>
</tr>
</tbody>
</table>

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
Licence Area - WUJAL WUJAL RA1

**Community Radio Service Licence number:** 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>
<tr>
<td>QLD CD 010712</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

- (LGA) = Local Government Area
- (CD) = Collection District
- (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 : Telstra Site Off Cape Tribulation Rd 1km SE of WUJAL WUJAL
Australian Map Grid : Zone Easting Northing
Reference 55 320688 8235633
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 : 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 - YUELAMU RA1

Community Radio Service Licence number: 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>
</tr>
</thead>
<tbody>
<tr>
<td>Yuendumu</td>
</tr>
<tr>
<td>(CGC) (LGA)</td>
</tr>
<tr>
<td>NT CD 031103</td>
</tr>
<tr>
<td>NT CD 031119</td>
</tr>
<tr>
<td>NT CD 031125</td>
</tr>
<tr>
<td>NT CD 031130</td>
</tr>
<tr>
<td>NT CD 031134</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 - YUENDUMU RA1

Community Radio Service Licence number: 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</td>
</tr>
<tr>
<td>031102</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Licence Area - BORROLOOLA RA1

Community Radio Service Licence number: SL10149

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>Borroloola</td>
</tr>
<tr>
<td>(CGC) (LGA)</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area
**Licence Area - WEIPA RA1**

**Community Radio Service Licence number:** 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 - DUNEDOO RA1

Community Radio Service Licence number: 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 - COONABARABRAN RA1**

**Community Radio Service Licence number:** 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 - COONAMBLE RA1
Community Radio Service Licence number: 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
**Licence Area - GILGANDRA RA1**

**Community Radio Service Licence number: 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 - GIN GIN RA1**

**Community Radio Service Licence number:** 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