Draft Variation to Licence Area Plan for Cooma Radio – No.1 of 2011

1. Enabling legislation

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

2. Name of Instrument

This instrument is the Variation to the Licence Area Plan for Cooma Radio – No. 1 of 2011.

3. Commencement

This instrument commences the day after it is registered.

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

4. Variation

The Licence Area Plan for Cooma Radio determined by the Australian Broadcasting Authority on 29 July 1999 is varied as follows:

(a) omit the words “JULY 1999” on the title page;

(b) omit the heading ‘DETERMINATION’ on page two;

(c) number each of the paragraphs in the plan consecutively as clauses (1), (2), (3), (4) and (5);

(d) omit clause (2), (3), (4) and (5) and substitute the following clauses;

(2) Eight national radio broadcasting services are to be available in the area described at Attachment 1.1 to this plan with the use of the broadcasting services bands. The characteristics, including technical specifications, of the national radio services that are to be available in the area described at Attachment 1.1 are set out in Schedule One and attachments 1.2 – 1.9 to this plan.

(3) Two commercial radio broadcasting services are to be available in the area described at Attachment 1.1 to this plan with the use of the broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment 1.1 are set out in Schedule One and attachments 1.10 – 1.25 and 1.31 – 1.32 to this plan.

(4) Five open narrowcasting radio services are to be available in the area described at Attachment 1.1 to this plan with the use of the
broadcasting services bands. The characteristics, including technical specifications, of the services that are to be available in the area described at Attachment 1.1 are set out in Schedule One and attachments 1.26 – 1.30 to this plan.

(5) One community radio broadcasting service is to be available in the area described at Attachment 2.1 to this plan with the use of the broadcasting services bands. The characteristics, including technical specifications, of the service that is to be available in the area described at Attachment 2.1 are set out in Schedule Two and attachments 2.2 – 2.5 to this plan.

(6) A reference in this plan to a schedule or an attachment includes a reference to a schedule or attachment as amended from time to time.

(e) immediately before Schedule One;

(i) omit the heading “SCHEDULES”;

(ii) omit the words “Each of the Schedules sets out” and all nine paragraphs marked with dots points that follow;

(f) omit Schedule One and Schedule Two and substitute in the corresponding places the schedules to this instrument having those same numbers;

(g) immediately after Schedule Two;

(i) omit the hash (#) and the paragraph immediately following the hash;

(ii) omit the heading “Status Column” and the text immediately following the heading;

(iii) omit the heading “Frequency Column” and the paragraph marked with a dot point immediately following the heading;

(h) omit attachments 1.1 to 2.4; and

(i) insert in numerical order attachments 1.1 to 2.5 of this instrument.

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

________________________________________  __________________________________________
Signature of Member  Signature of Member/General Manager

________________________________________  __________________________________________
Name (Please Print)  Name (Please Print)
Dated this ________ day of __________ 2011.
# Schedule One

**Licence Area Plan : Cooma Radio**

*Licence Area : COOMA 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>National</td>
<td>1602 kHz</td>
<td>N/A</td>
<td>TS4009001</td>
<td>1.2</td>
<td>Cooma</td>
</tr>
<tr>
<td>National</td>
<td>91.3 MHz</td>
<td>N/A</td>
<td>TS6170001</td>
<td>1.3</td>
<td>Cooma (town)</td>
</tr>
<tr>
<td>National</td>
<td>93.7 MHz</td>
<td>N/A</td>
<td>TS10008234</td>
<td>1.4</td>
<td>Cooma (town)</td>
</tr>
<tr>
<td>National</td>
<td>95.3 MHz</td>
<td>N/A</td>
<td>TS4978002</td>
<td>1.5</td>
<td>Cooma (town)</td>
</tr>
<tr>
<td>National</td>
<td>95.5 MHz</td>
<td>N/A</td>
<td>TS4009002</td>
<td>1.6</td>
<td>Jindabyne</td>
</tr>
<tr>
<td>National</td>
<td>97.1 MHz</td>
<td>N/A</td>
<td>TS4978003</td>
<td>1.7</td>
<td>Jindabyne</td>
</tr>
<tr>
<td>National</td>
<td>88.9 MHz</td>
<td>N/A</td>
<td>TS4009003</td>
<td>1.8</td>
<td>Thredbo</td>
</tr>
<tr>
<td>National</td>
<td>90.5 MHz</td>
<td>N/A</td>
<td>TS4858001</td>
<td>1.9</td>
<td>Thredbo</td>
</tr>
<tr>
<td>Commercial</td>
<td>918 kHz</td>
<td>SL4138</td>
<td>TS4138001</td>
<td>1.10</td>
<td>Cooma</td>
</tr>
<tr>
<td></td>
<td>92.5 MHz</td>
<td>SL4138</td>
<td>TS10008425</td>
<td>1.11</td>
<td>Bombala</td>
</tr>
<tr>
<td></td>
<td>99.1 MHz</td>
<td>SL4138</td>
<td>TS10008327</td>
<td>1.12</td>
<td>Cabramurra</td>
</tr>
<tr>
<td></td>
<td>96.3 MHz</td>
<td>SL4138</td>
<td>TS4138004</td>
<td>1.13</td>
<td>Jindabyne</td>
</tr>
<tr>
<td></td>
<td>103.1 MHz</td>
<td>SL4138</td>
<td>TS10008333</td>
<td>1.14</td>
<td>Khancoban</td>
</tr>
<tr>
<td></td>
<td>98.7 MHz</td>
<td>SL4138</td>
<td>TS4138003</td>
<td>1.15</td>
<td>Perisher</td>
</tr>
<tr>
<td></td>
<td>95.1 MHz</td>
<td>SL4138</td>
<td>TS10008390</td>
<td>1.16</td>
<td>Talbingo</td>
</tr>
<tr>
<td></td>
<td>92.1 MHz</td>
<td>SL4138</td>
<td>TS4138002</td>
<td>1.17</td>
<td>Thredbo</td>
</tr>
<tr>
<td></td>
<td>92.5 MHz</td>
<td>SL4138</td>
<td>TS1134061</td>
<td>1.31</td>
<td>Charlotte Pass</td>
</tr>
<tr>
<td>Commercial</td>
<td>97.7 MHz</td>
<td>SL10345</td>
<td>TS10005274</td>
<td>1.18</td>
<td>Cooma</td>
</tr>
<tr>
<td></td>
<td>91.7 MHz</td>
<td>SL10345</td>
<td>TS10008266</td>
<td>1.19</td>
<td>Bombala</td>
</tr>
<tr>
<td></td>
<td>90.3 MHz</td>
<td>SL10345</td>
<td>TS10008326</td>
<td>1.20</td>
<td>Cabramurra</td>
</tr>
<tr>
<td></td>
<td>94.7 MHz</td>
<td>SL10345</td>
<td>TS10005249</td>
<td>1.21</td>
<td>Jindabyne</td>
</tr>
<tr>
<td></td>
<td>105.3 MHz</td>
<td>SL10345</td>
<td>TS10008334</td>
<td>1.22</td>
<td>Khancoban</td>
</tr>
<tr>
<td></td>
<td>101.9 MHz</td>
<td>SL10345</td>
<td>TS10005666</td>
<td>1.23</td>
<td>Perisher</td>
</tr>
<tr>
<td></td>
<td>93.5 MHz</td>
<td>SL10345</td>
<td>TS10008391</td>
<td>1.24</td>
<td>Talbingo</td>
</tr>
<tr>
<td></td>
<td>92.9 MHz</td>
<td>SL10345</td>
<td>TS10005303</td>
<td>1.25</td>
<td>Thredbo</td>
</tr>
<tr>
<td></td>
<td>91.7 MHz</td>
<td>SL10345</td>
<td>TS1134062</td>
<td>1.32</td>
<td>Charlotte Pass</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>90.9 MHz</td>
<td>N/A</td>
<td>TS10008254</td>
<td>1.26</td>
<td>Bombala</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>104.5 MHz</td>
<td>N/A</td>
<td>TS10012792</td>
<td>1.26.1</td>
<td>Bombala</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>96.9 MHz</td>
<td>N/A</td>
<td>TS10008387</td>
<td>1.27</td>
<td>Cooma</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>102.7 MHz</td>
<td>N/A</td>
<td>TS10008342</td>
<td>1.28</td>
<td>Jindabyne</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>106.9 MHz</td>
<td>N/A</td>
<td>TS10008389</td>
<td>1.29</td>
<td>Thredbo</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>94.3 MHz</td>
<td>N/A</td>
<td>TS10013462</td>
<td>1.30</td>
<td>Perisher</td>
</tr>
</tbody>
</table>
Schedule Two
Licence Area Plan : Cooma Radio

<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>93.3 MHz</td>
<td>SL1150162</td>
<td>TS6171001</td>
<td>2.2</td>
<td>Monaro</td>
</tr>
<tr>
<td></td>
<td>90.5 MHz</td>
<td>SL1150162</td>
<td>TS10008233</td>
<td>2.3</td>
<td>Cooma (town)</td>
</tr>
<tr>
<td></td>
<td>93.9 MHz</td>
<td>SL1150162</td>
<td>TS10008250</td>
<td>2.4</td>
<td>Jindabyne (town)</td>
</tr>
<tr>
<td></td>
<td>103.7 MHz</td>
<td>SL1150162</td>
<td>TS10013018</td>
<td>2.5</td>
<td>Bombala</td>
</tr>
</tbody>
</table>
Licence Area - COOMA RA1
Licence Area ID - 388

Commercial Radio Service Licence numbers: SL4138, SL10345

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>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snowy River (A) (LGA)</td>
<td>NSW CD 170902</td>
</tr>
<tr>
<td>NSW CD 152603</td>
<td>NSW CD 170903</td>
</tr>
<tr>
<td>NSW CD 152604</td>
<td>NSW CD 170904</td>
</tr>
<tr>
<td>NSW CD 152606</td>
<td>NSW CD 170905</td>
</tr>
<tr>
<td>NSW CD 152906</td>
<td>NSW CD 170906</td>
</tr>
<tr>
<td>NSW CD 152907</td>
<td>NSW CD 170907</td>
</tr>
<tr>
<td>NSW CD 170801</td>
<td>NSW CD 170908</td>
</tr>
<tr>
<td>NSW CD 170802</td>
<td>NSW CD 170909</td>
</tr>
<tr>
<td>NSW CD 170803</td>
<td>NSW CD 170910</td>
</tr>
<tr>
<td>NSW CD 170804</td>
<td>NSW CD 170911</td>
</tr>
<tr>
<td>NSW CD 170805</td>
<td>NSW CD 170912</td>
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<tr>
<td>NSW CD 170806</td>
<td>NSW CD 171201</td>
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<td>NSW CD 170807</td>
<td>NSW CD 171202</td>
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<td>NSW CD 170808</td>
<td>NSW CD 171203</td>
</tr>
<tr>
<td>NSW CD 170809</td>
<td>NSW CD 171204</td>
</tr>
<tr>
<td>NSW CD 170810</td>
<td>NSW CD 171205</td>
</tr>
<tr>
<td>NSW CD 170901</td>
<td>NSW CD 171210</td>
</tr>
</tbody>
</table>

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

(LGA) = Local Government Area
(A) = NSW Local Government Area (excluding Cities)
(CD) = Collection District
LICENCE AREA PLAN : Cooma Radio

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

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS4009001

Transmitter Site :-
Nominal location : Broadcast Site COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 691932 5988501
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>70 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Cooma Radio

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

TECHNICAL SPECIFICATION - FM Radio
Specification Number: TS6170001

Transmitter Site:
Nominal location: Telstra Site Radio Hill off Polo Flat Rd COOMA

Australian Map Grid: Reference 55 692282 5987694

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: 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:
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 : Cooma Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008234

Transmitter Site :-
Nominal location : Telstra Site  Radio Hill  off Polo Flat Rd COOMA
Australian Map Grid : Zone Easting Northing
Reference 55 692282 5987694
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

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

Output Radiation Pattern :-

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

Special Conditions :-

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** : Cooma Radio

**Category** : National

**General Area Served** : Cooma (town) (NSW)

**Service Licence Number** : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

**Specification Number** : TS4978002

**Transmitter Site :-**

**Nominal location** : Telstra Site  Radio Hill  off Polo Flat Rd  COOMA

**Australian Map Grid** :

<table>
<thead>
<tr>
<th>Zone</th>
<th>Easting</th>
<th>Northing</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>692282</td>
<td>5987694</td>
</tr>
</tbody>
</table>

**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>50 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Cooma Radio

Category : National

General Area Served : Jindabyne (NSW)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS4009002

Transmitter Site :-
Nominal location : Broadcast Site JINDERBOINE HILL

Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100

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 : 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 : Cooma Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS4978003

Transmitter Site :-
Nominal location : Broadcast Site JINDERBOINE HILL

Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100

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 : 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 : Cooma Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS4009003

Transmitter Site :-
Nominal location : Eagles Nest Restaurant
MT CRACKENBACK

Australian Map Grid : Zone 55 Easting 615200 Northing 5960400
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 : 6 m

Output Radiation Pattern :-

<table>
<thead>
<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 : Cooma Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS4858001

Transmitter Site :-
Nominal location : Eagles Nest Restaurant
                      MT CRACKENBACK
Australian Map Grid : Zone 615200 5960400
                    Reference
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 : 6 m

Output Radiation Pattern :-

<table>
<thead>
<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: Cooma Radio

Category: Commercial
General Area Served: Cooma (NSW)
Service Licence Number: SL4138

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS4138001

Transmitter Site:
Nominal location: Broadcast Site Airfield 2 km E of COOMA
Australian Map Grid: Zone Easting Northing
Reference 55 693101 5987298
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 918 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>445 V</td>
</tr>
</tbody>
</table>

Special Conditions:
The specified radiation pattern is for night-time operation. The licensee must comply with the specification from one hour before local sunset to one hour after local sunrise, as defined at the transmitter site on the 15th day of each month.

Daytime 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>695 V</td>
</tr>
</tbody>
</table>

Special Conditions:
The specified radiation pattern is for daytime operation. The licensee must comply with the specification from one hour after local sunrise to one hour before local sunset, as defined at the transmitter site on the 15th day of each month.
LICENCE AREA PLAN: Cooma Radio

Category: Commercial

General Area Served: Bombala (NSW)

Service Licence Number: SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008425

Transmitter Site:-
Nominal location: Broadcast Site 7 km NNW of BOMBALA

Australian Map Grid: Zone Easting Northing
Reference 55 697500 5919200

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

Emission:-
Frequency Band & Mode: VHF-FM

Carrier Frequency: 92.5 MHz

Polarisation: Mixed

Maximum antenna height: 20 m

Output Radiation Pattern :-

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

Category : Commercial
General Area Served : Cabramurra (NSW)
Service Licence Number : SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008327

Transmitter Site :-
Nominal location : Township radio station CABRAMURRA

Australian Map Grid : Zone Easting Northing
Reference 55 624411 6022733

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 : 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>100 W</td>
</tr>
</tbody>
</table>

Special Conditions :-

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 : Cooma Radio

Category : Commercial
General Area Served : Jindabyne (NSW)
Service Licence Number : SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS4138004

Transmitter Site :-
Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100

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 : 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 - 73°T</td>
<td>500 W</td>
</tr>
<tr>
<td>73°T - 80°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>80°T - 180°T</td>
<td>500 W</td>
</tr>
<tr>
<td>180°T - 285°T</td>
<td>700 W</td>
</tr>
<tr>
<td>285°T - 325°T</td>
<td>630 W</td>
</tr>
<tr>
<td>325°T - 360°T</td>
<td>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Cooma Radio

Category: Commercial
General Area Served: Khancoban (NSW)
Service Licence Number: SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008333

Transmitter Site:
Nominal location: Television Translator KHANCOBAN

Australian Map Grid: Zone Easting Northing
Reference: 55 601300 5991800

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

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 103.1 MHz
Polarisation: Mixed
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: Cooma Radio

Category: Commercial
General Area Served: Perisher (NSW)
Service Licence Number: SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS4138003

Transmitter Site:
Nominal location: Broadcast Site MT PERISHER
Australian Map Grid: Zone Easting Northing
Reference 55 624200 5969700
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: 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 - 50°T</td>
<td>100 W</td>
</tr>
<tr>
<td>50°T - 105°T</td>
<td>240 W</td>
</tr>
<tr>
<td>105°T - 190°T</td>
<td>100 W</td>
</tr>
<tr>
<td>190°T - 310°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>310°T - 360°T</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Cooma Radio

Category: Commercial

General Area Served: Talbingo (NSW)

Service Licence Number: SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008390

Transmitter Site:

Nominal location: Boraig Station TALBINGO

Australian Map Grid:

Reference: Zone 55, Easting 616600, Northing 6060000

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: 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>50 W</td>
</tr>
</tbody>
</table>

Special Conditions:

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 : Cooma Radio

Category : Commercial

General Area Served : Thredbo (NSW)

Service Licence Number : SL4138

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS4138002

Transmitter Site :-

Nominal location : Eagles Nest Restaurant

MT CRACKENBACK

Australian Map Grid : Zone Easting Northing
Reference 55 615200 5960400

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 : 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>1 kW</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Cooma Radio**

Category : Commercial  
General Area Served : Cooma (NSW)  
Service Licence Number : SL10345  

**TECHNICAL SPECIFICATION - FM Radio**  
Specification Number : TS10005274  

*Transmitter Site :*
Nominal location : Radio 2XL site MT ROBERTS  
Australian Map Grid : Zone Easting Northing Reference  
55 682500 6015900  
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>0°T - 15°T</td>
<td>12 kW</td>
</tr>
<tr>
<td>15°T - 330°T</td>
<td>50 kW</td>
</tr>
<tr>
<td>330°T - 360°T</td>
<td>12 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Cooma Radio

Category : Commercial
General Area Served : Bombala (NSW)
Service Licence Number : SL10345

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008266

Transmitter Site :-
Nominal location : Broadcast Site 7 km NNW of BOMBALA

Australian Map Grid : Zone Easting Northing
Reference 55 697500 5919200

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

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 91.7 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 : Cooma Radio

Category : Commercial

General Area Served : Cabramurra (NSW)

Service Licence Number : SL10345

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008326

Transmitter Site :-

Nominal location : Township radio station CABRAMURRA

Australian Map Grid : Zone Easting Northing
Reference 55 624411 6022733

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

Emission :-

Frequency Band & Mode : VHF-FM

Carrier Frequency : 90.3 MHz

Polarisation : Mixed

Maximum antenna height : 10 m

Output Radiation Pattern :-

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

Special Conditions :-

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 : Cooma Radio

Category : Commercial
General Area Served : Jindabyne (NSW)
Service Licence Number : SL10345

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10005249

Transmitter Site :-
Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 94.7 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>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Cooma Radio

Category : Commercial
General Area Served : Khancoban (NSW)
Service Licence Number : SL10345

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10008334

Transmitter Site :-
Nominal location : Television Translator KHANCOBAN

Australian Map Grid : Zone Easting Northing
Reference 55 601300 5991800

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 : 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: Cooma Radio

Category: Commercial

General Area Served: Perisher (NSW)

Service Licence Number: SL10345

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10005666

**Transmitter Site :-**

Nominal location: Broadcast Site MT PERISHER

Australian Map Grid: Zone Easting Northing
Reference: 55 624200 5969700

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: 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 - 50°T</td>
<td>100 W</td>
</tr>
<tr>
<td>50°T - 105°T</td>
<td>240 W</td>
</tr>
<tr>
<td>105°T - 190°T</td>
<td>100 W</td>
</tr>
<tr>
<td>190°T - 310°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>310°T - 360°T</td>
<td>100 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Cooma Radio

Category: Commercial

General Area Served: Talbingo (NSW)

Service Licence Number: SL10345

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008391

Transmitter Site:
Nominal location: Boraig Station TALBINGO

Australian Map Grid: Zone Easting Northing
Reference: 55 616600 6060000

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

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 93.5 MHz
Polarisation: Mixed
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>50 W</td>
</tr>
</tbody>
</table>

Special Conditions:

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 : Cooma Radio

Category : Commercial
General Area Served : Thredbo (NSW)
Service Licence Number : SL10345

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10005303

Transmitter Site :-
Nominal location : Eagles Nest Restaurant
                MT CRACKENBACK
Australian Map Grid : Zone   Easting   Northing
Reference        55       615200   5960400
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 : 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>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Cooma Radio

Category: Open Narrowcasting
General Area Served: Bombala (NSW)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008254

Transmitter Site:
Nominal location: Broadcast Site 7 km NNW of BOMBALA
Australian Map Grid: Zone Easting Northing
Reference 55 697500 5919200
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>300 W</td>
</tr>
</tbody>
</table>

Special Conditions:
1. This specification will be replaced by the technical specification TS10012792, described at Attachment 1.26.1, prior to the commencement of the ABC service (90.9 MHz) in the Illawarra.

2. The 'coverage radius' of this transmission is 20 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 697500; Northing: 5919200. This point is the nominal transmitter site.
LICENCE AREA PLAN : Cooma Radio

Category : Open Narrowcasting

General Area Served : Bombala (NSW)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10012792

Transmitter Site :-
Nominal location : Broadcast Site 7 km NNW of BOMBALA

Australian Map Grid : Zone Easting Northing
Reference 55 697500 5919200

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>300 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
1. This specification will replace the technical specification TS10008254, described at Attachment 1.26, prior to the commencement of the ABC service (90.9 MHz) in the Illawarra.

2. The 'coverage radius' of this transmission is 20 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 697500; Northing: 5919200. This point is the nominal transmitter site.
LICENCE AREA PLAN : Cooma Radio

Category : Open Narrowcasting

General Area Served : Cooma (NSW)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008387

Transmitter Site :-
Nominal location : Radio 2XL site MT ROBERTS

Australian Map Grid : Zone Easting Northing
Reference 55 682500 6015900

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>0°T - 195°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>195°T - 235°T</td>
<td>50 W</td>
</tr>
<tr>
<td>235°T - 360°T</td>
<td>1 kW</td>
</tr>
</tbody>
</table>

Special Conditions :-
The 'coverage radius' of this transmission is 33 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 692295; Northing: 5987700. This point is not the nominal transmitter site.
LICENCE AREA PLAN : Cooma Radio

Category : Open Narrowcasting
General Area Served : Jindabyne (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008342

Transmitter Site :-
Nominal location : Broadcast Site JINDERBOINE HILL
Australian Map Grid : Zone Easting Northing
Reference 55 649200 5970100
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 102.7 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>0°T - 73°T</td>
<td>500 W</td>
</tr>
<tr>
<td>73°T - 80°T</td>
<td>2 kW</td>
</tr>
<tr>
<td>80°T - 180°T</td>
<td>500 W</td>
</tr>
<tr>
<td>180°T - 285°T</td>
<td>700 W</td>
</tr>
<tr>
<td>285°T - 325°T</td>
<td>630 W</td>
</tr>
<tr>
<td>325°T - 360°T</td>
<td>500 W</td>
</tr>
</tbody>
</table>

Special Conditions :-

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

The 'coverage radius' of this transmission is 17 kilometres measured from a point with the following AMG co-ordinates: Zone: 55; Easting: 649200; Northing: 5970100. This point is the nominal transmitter site.
LICENCE AREA PLAN : Cooma Radio

Category : Open Narrowcasting

General Area Served : Thredbo (NSW)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008389

Transmitter Site :-
Nominal location : Eagles Nest Restaurant
MT CRACKENBACK

Australian Map Grid : Zone Easting Northing
Reference 55 615200 5960400

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 : 10 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 - 65°T</td>
<td>20 W</td>
</tr>
<tr>
<td>65°T - 105°T</td>
<td>140 W</td>
</tr>
<tr>
<td>105°T - 360°T</td>
<td>20 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: 615200; Northing: 5960400. This point is the nominal transmitter site.
LICENCE AREA PLAN: Cooma Radio

Category: Open Narrowcasting

General Area Served: Perisher (NSW)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013462

Transmitter Site:

Nominal location: Blue Cow Terminal PERISHER

Australian Map Grid:

Reference: Zone 55 Easting 624690 Northing 5972098

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

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 94.3 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>150 W</td>
</tr>
</tbody>
</table>

Special Conditions:

The 'coverage radius' of this transmission is 20 kilometres measured from a point with the following AMG co-ordinates: Zone 55; Easting 624690; Northing 5972098. This point is the nominal transmitter site.
### LICENCE AREA PLAN: Cooma Radio

- **Category:** Commercial
- **General Area Served:** Charlotte Pass (NSW)
- **Service Licence Number:** SL4138

### TECHNICAL SPECIFICATION - FM Radio

- **Specification Number:** TS1134061

#### Transmitter Site:
- **Nominal location:** Chairlift Head Kangaroo Ridge CHARLOTTE PASS

#### Australian Map Grid:
- **Reference:** Zone 55 Easting 618607 Northing 5966491

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

#### Emission:
- **Frequency Band & Mode:** VHF-FM
- **Carrier Frequency:** 92.5 MHz
- **Polarisation:** Mixed
- **Maximum antenna height:** 10 m

#### Output Radiation Pattern:

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

### Special Conditions:

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 : Cooma Radio
Category : Commercial
General Area Served : Charlotte Pass (NSW)
Service Licence Number : SL10345

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS1134062

Transmitter Site :-
Nominal location : Chairlift Head Kangaroo Ridge CHARLOTTE PASS
Australian Map Grid : Zone Easting Northing
Reference 55 618607 5966491
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 91.7 MHz
Polarisation : Mixed
Maximum antenna height : 10 m

Output Radiation Pattern :-

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

Special Conditions :-
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.
Attachment 2.1

**Licence Area - COOMA RA2**

**Licence Area ID - 722**

**Community Radio Service Licence numbers: SL1150162**

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>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSW CD 170801</td>
<td>NSW CD 170901</td>
</tr>
<tr>
<td>NSW CD 170805</td>
<td>NSW CD 171001</td>
</tr>
<tr>
<td>NSW CD 170807</td>
<td>NSW CD 171005</td>
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<tr>
<td>NSW CD 170808</td>
<td>NSW CD 171007</td>
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<tr>
<td>NSW CD 170809</td>
<td>NSW CD 171010</td>
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<td>NSW CD 170901</td>
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<tr>
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<td>NSW CD 171102</td>
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<td>NSW CD 170903</td>
<td>NSW CD 171106</td>
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<td>NSW CD 171203</td>
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<tr>
<td>NSW CD 170911</td>
<td>NSW CD 171204</td>
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<tr>
<td>NSW CD 170912</td>
<td>NSW CD 171205</td>
</tr>
<tr>
<td>NSW CD 171001</td>
<td>NSW CD 171306</td>
</tr>
<tr>
<td>NSW CD 171005</td>
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<tr>
<td>NSW CD 171007</td>
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<tr>
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<tr>
<td>NSW CD 171306</td>
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</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
LICENCE AREA PLAN : Cooma Radio

Category : Community
General Area Served : Monaro (NSW)
Service Licence Number : SL1150162

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS6171001

Transmitter Site :-
Nominal location : Broadcast Site EMERALD HILL
Australian Map Grid : Zone Easting Northing
Reference 55 709760 5955680
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 93.3 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>2 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Cooma Radio

Category: Community

General Area Served: Cooma (town) (NSW)

Service Licence Number: SL1150162

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008233

Transmitter Site:
Nominal location: Telstra Site Radio Hill off Polo Flat Rd COOMA

Australian Map Grid: Zone Easting Northing
Reference: 55 692282 5987694

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

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

Output Radiation Pattern:

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

Special Conditions:

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: Cooma Radio

Category: Community
General Area Served: Jindabyne (town) (NSW)
Service Licence Number: SL1150162

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10008250

Transmitter Site:
Nominal location: Broadcast Site JINDERBOINE HILL
Australian Map Grid: Zone Easting Northing
Reference: 55 649200 5970100
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: 27 m

Output Radiation Pattern:

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

Special Conditions:
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 : Cooma Radio
Category : Community
General Area Served : Bombala (NSW)
Service Licence Number : SL1150162

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10013018

Transmitter Site :
Nominal location : Broadcast Site 7 km NNW of BOMBALA
Australian Map Grid : Zone Easting Northing
Reference 55 697500 5919200
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 : 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>300 W</td>
</tr>
</tbody>
</table>