Draft Variation to Licence Area Plan for Bourke Radio – No.1 of 2010

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 Bourke Radio – No. 1 of 2010.

3. Commencement

This instrument commences the day after it is registered.

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

4. Variation

The Licence Area Plan for Bourke Radio determined by the Australian Broadcasting Authority on 10 December 1996 and varied 21 October 2004 is varied as follows:

(a) rename the plan as the “Licence Area Plan for Bourke Radio”;

(b) number each of the paragraphs in the determination consecutively as clauses (1), (2), (3) and (4);

(c) insert the following clauses after clause (4):

“(5) One community radio broadcasting service is to be available in the Wilcannia area as described at Attachment 4.1 to this determination 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 4.1 are set out in Schedule Four and Attachment 4.2 to this determination.

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

(d) immediately following the determination:

(i) omit the heading “SCHEDULES”;

(ii) omit the words “The Schedules set out:” and all six paragraphs marked with dots points that follow;
(e) omit Schedule One, Two and Three and substitute Schedule One, Two and Three to this instrument;

(f) insert Schedule Four of this instrument immediately after Schedule Three;

(g) omit Attachments 1.1 to 3.3; and

(h) insert Attachment 1.1 to Attachment 4.2 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 ___________ 2010.
### Schedule One

**Licence Area Plan : Bourke Radio**

**Licence Area : BOURKE 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>
<td>585 kHz</td>
<td>SL10211</td>
<td>TS10004346</td>
<td>1.2</td>
<td>Bourke</td>
</tr>
<tr>
<td></td>
<td>91.1 MHz</td>
<td>SL10211</td>
<td>TS10004446</td>
<td>1.3</td>
<td>Coonamble</td>
</tr>
<tr>
<td></td>
<td>90.5 MHz</td>
<td>SL10211</td>
<td>TS10003539</td>
<td>1.4</td>
<td>Lightning Ridge</td>
</tr>
<tr>
<td></td>
<td>100.7 MHz</td>
<td>SL10211</td>
<td>TS10002774</td>
<td>1.5</td>
<td>Nyngan</td>
</tr>
<tr>
<td></td>
<td>104.3 MHz</td>
<td>SL10211</td>
<td>TS10003540</td>
<td>1.6</td>
<td>Walgett</td>
</tr>
<tr>
<td></td>
<td>99.9 MHz</td>
<td>SL10211</td>
<td>TS10003545</td>
<td>1.7</td>
<td>Wilcannia</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>96.1 MHz</td>
<td>N/A</td>
<td>TS10004314</td>
<td>1.8</td>
<td>Bourke</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>94.5 MHz</td>
<td>N/A</td>
<td>TS10004315</td>
<td>1.9</td>
<td>Bourke</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>96.1 MHz</td>
<td>N/A</td>
<td>TS10004500</td>
<td>1.10</td>
<td>Brewarrina</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>94.5 MHz</td>
<td>N/A</td>
<td>TS10004501</td>
<td>1.11</td>
<td>Brewarrina</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>97.1 MHz</td>
<td>N/A</td>
<td>TS10004338</td>
<td>1.12</td>
<td>Collarenebri</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>95.5 MHz</td>
<td>N/A</td>
<td>TS10004339</td>
<td>1.13</td>
<td>Collarenebri</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>99.5 MHz</td>
<td>N/A</td>
<td>TS10004343</td>
<td>1.15</td>
<td>Walgett</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>96.7 MHz</td>
<td>N/A</td>
<td>TS10004344</td>
<td>1.16</td>
<td>Wilcannia</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>98.3 MHz</td>
<td>N/A</td>
<td>TS10004345</td>
<td>1.17</td>
<td>Wilcannia</td>
</tr>
</tbody>
</table>

### Schedule Two

**Licence Area Plan : Bourke Radio**

**Licence Area : BOURKE 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>106.5 MHz</td>
<td>SL10212</td>
<td>TS10004309</td>
<td>2.2</td>
<td>Bourke</td>
</tr>
<tr>
<td></td>
<td>97.7 MHz</td>
<td>SL10212</td>
<td>TS10013226</td>
<td>2.3</td>
<td>Goodooga</td>
</tr>
<tr>
<td></td>
<td>96.1 MHz</td>
<td>SL10212</td>
<td>TS10013227</td>
<td>2.4</td>
<td>Lightning Ridge</td>
</tr>
<tr>
<td></td>
<td>102.7 MHz</td>
<td>SL10212</td>
<td>TS10013228</td>
<td>2.5</td>
<td>Walgett</td>
</tr>
<tr>
<td></td>
<td>100.5 MHz</td>
<td>SL10212</td>
<td>TS10013229</td>
<td>2.6</td>
<td>Weilmoringle</td>
</tr>
</tbody>
</table>
## Schedule Three

**Licence Area Plan : Bourke Radio**

*Licence Area : LIGHTNING RIDGE 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>
<td>89.7 MHz</td>
<td>SL10414</td>
<td>TS10004341</td>
<td>3.2</td>
<td>Lightning Ridge</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>98.5 MHz</td>
<td>N/A</td>
<td>TS10004340</td>
<td>3.3</td>
<td>Lightning Ridge</td>
</tr>
</tbody>
</table>

## Schedule Four

**Licence Area Plan : Bourke Radio**

*Licence Area : WILCANNIA 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>
<td>103.1 MHz</td>
<td>SL1130134</td>
<td>TS1133585</td>
<td>4.2</td>
<td>Wilcannia</td>
</tr>
</tbody>
</table>
**Licence Area - BOURKE RA1**

**Licence Area ID - 443**

**Community Radio Service Licence number: SL10211**

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>Bourke (A) (LGA)</td>
<td>NSW CD 040205</td>
</tr>
<tr>
<td>Brewarrina (A) (LGA)</td>
<td>NSW CD 040206</td>
</tr>
<tr>
<td>NSW CD 020105</td>
<td>NSW CD 040207</td>
</tr>
<tr>
<td>NSW CD 021002</td>
<td>NSW CD 040306</td>
</tr>
<tr>
<td>NSW CD 021006</td>
<td>NSW CD 040401</td>
</tr>
<tr>
<td>NSW CD 030101</td>
<td>NSW CD 040402</td>
</tr>
<tr>
<td>NSW CD 030102</td>
<td>NSW CD 040404</td>
</tr>
<tr>
<td>NSW CD 030103</td>
<td>NSW CD 040405</td>
</tr>
<tr>
<td>NSW CD 030104</td>
<td>NSW CD 040406</td>
</tr>
<tr>
<td>NSW CD 030105</td>
<td>NSW CD 040407</td>
</tr>
<tr>
<td>NSW CD 030109</td>
<td>NSW CD 042901</td>
</tr>
<tr>
<td>NSW CD 030110</td>
<td>NSW CD 042902</td>
</tr>
<tr>
<td>NSW CD 031402</td>
<td>NSW CD 042903</td>
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<td>NSW CD 040102</td>
<td>NSW CD 042904</td>
</tr>
<tr>
<td>NSW CD 040103</td>
<td>NSW CD 042905</td>
</tr>
<tr>
<td>NSW CD 040104</td>
<td>NSW CD 042906</td>
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<tr>
<td>NSW CD 040201</td>
<td>NSW CD 042907</td>
</tr>
<tr>
<td>NSW CD 040202</td>
<td>NSW CD 042908</td>
</tr>
<tr>
<td>NSW CD 040203</td>
<td>NSW CD 042909</td>
</tr>
<tr>
<td>NSW CD 040204</td>
<td>NSW CD 042910</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
Attachment 1.2

LICENCE AREA PLAN : Bourke Radio
Category : Community
General Area Served : Bourke (NSW)
Service Licence Number : SL10211

TECHNICAL SPECIFICATION - AM Radio
Specification Number : TS10004346

Transmitter Site :-
Nominal location : Broadcast Site, 3km E of BOURKE
Australian Map Grid : Zone 55 Easting 401800 Northing 6669400
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 585 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>270 V</td>
</tr>
<tr>
<td>10°T - 10°T</td>
<td>0</td>
<td>420 V</td>
</tr>
<tr>
<td>20°T - 20°T</td>
<td>0</td>
<td>670 V</td>
</tr>
<tr>
<td>30°T - 30°T</td>
<td>0</td>
<td>850 V</td>
</tr>
<tr>
<td>40°T - 40°T</td>
<td>0</td>
<td>1.1 kV</td>
</tr>
<tr>
<td>50°T - 50°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>60°T - 60°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>70°T - 70°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>80°T - 80°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>90°T - 90°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>100°T - 100°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>110°T - 110°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>115°T - 115°T</td>
<td>9</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>120°T - 120°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>130°T - 130°T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>134°T - 134°T</td>
<td>16</td>
<td>980 V</td>
</tr>
<tr>
<td>140°T - 140°T</td>
<td>0</td>
<td>1.1 kV</td>
</tr>
<tr>
<td>150°T - 150°T</td>
<td>0</td>
<td>850 V</td>
</tr>
<tr>
<td>160°T - 160°T</td>
<td>0</td>
<td>600 V</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>Phase Difference</td>
<td>Voltage</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------------</td>
<td>---------</td>
</tr>
<tr>
<td>170° T - 170° T</td>
<td>0</td>
<td>380 V</td>
</tr>
<tr>
<td>180° T - 180° T</td>
<td>0</td>
<td>300 V</td>
</tr>
<tr>
<td>190° T - 190° T</td>
<td>0</td>
<td>480 V</td>
</tr>
<tr>
<td>200° T - 200° T</td>
<td>0</td>
<td>750 V</td>
</tr>
<tr>
<td>205° T - 205° T</td>
<td>12</td>
<td>870 V</td>
</tr>
<tr>
<td>210° T - 210° T</td>
<td>0</td>
<td>950 V</td>
</tr>
<tr>
<td>220° T - 220° T</td>
<td>0</td>
<td>1.1 kV</td>
</tr>
<tr>
<td>230° T - 230° T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>240° T - 240° T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>250° T - 250° T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>260° T - 260° T</td>
<td>0</td>
<td>1.3 kV</td>
</tr>
<tr>
<td>270° T - 270° T</td>
<td>0</td>
<td>1.3 kV</td>
</tr>
<tr>
<td>280° T - 280° T</td>
<td>0</td>
<td>1.3 kV</td>
</tr>
<tr>
<td>290° T - 290° T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>300° T - 300° T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>310° T - 310° T</td>
<td>0</td>
<td>1.2 kV</td>
</tr>
<tr>
<td>320° T - 320° T</td>
<td>0</td>
<td>1.1 kV</td>
</tr>
<tr>
<td>330° T - 330° T</td>
<td>0</td>
<td>950 V</td>
</tr>
<tr>
<td>340° T - 340° T</td>
<td>0</td>
<td>670 V</td>
</tr>
<tr>
<td>350° T - 350° T</td>
<td>0</td>
<td>420 V</td>
</tr>
</tbody>
</table>

**Special Conditions :-**

The licensee of this service will not cause interference to the protected coverage of the adjacent and co-channel Sydney services. Should interference occur then the licensee will be required to reduce power to avoid this interference.
Attachment 1.3

LICENCE AREA PLAN: Bourke Radio

Category: Community
General Area Served: Coonamble (NSW)
Service Licence Number: SL10211

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004446

Transmitter Site:­
Nominal location: Water Tank, COONAMBLE
Australian Map Grid: Zone Easting Northing
Reference 55 632800 6573800
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: 22 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 - 250°T</td>
<td>250 W</td>
</tr>
<tr>
<td>250°T - 265°T</td>
<td>500 W</td>
</tr>
<tr>
<td>265°T - 335°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>335°T - 350°T</td>
<td>500 W</td>
</tr>
<tr>
<td>350°T - 360°T</td>
<td>250 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bourke Radio

Category: Community

General Area Served: Lightning Ridge (NSW)

Service Licence Number: SL10211

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10003539

Transmitter Site:

Nominal location: Broadcast Site, Woolooroo 2km N of LIGHTNING RIDGE

Australian Map Grid:

Reference: Zone Easting Northing

55 594200 6746400

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

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 90.5 MHz

Polarisation: Mixed

Maximum antenna height: 60 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>25 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bourke Radio

Category : Community
General Area Served : Nyngan (NSW)
Service Licence Number : SL10211

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002774

Transmitter Site :-
Nominal location : Broadcast Site, Water Tank, Terangion St. NYNGAN
Australian Map Grid : Zone Easting Northing
Reference 55 518100 6507600
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 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>1 kW</td>
</tr>
<tr>
<td>90°T - 270°T</td>
<td>500 W</td>
</tr>
<tr>
<td>270°T - 360°T</td>
<td>1 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bourke Radio
Category : Community
General Area Served : Walgett (NSW)
Service Licence Number : SL10211

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10003540

Transmitter Site :-
Nominal location : Broadcast Site, 1km NE of WALGETT
Australian Map Grid : Zone Easting Northing
Reference 55 609300 6679700
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 22 m

Output Radiation Pattern :-

<table>
<thead>
<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 : Bourke Radio**

- **Category :** Community
- **General Area Served :** Wilcannia (NSW)
- **Service Licence Number :** SL10211

**TECHNICAL SPECIFICATION - FM Radio**

- **Specification Number :** TS10003545

**Transmitter Site :-**

- **Nominal location :** Broadcast Site, WILCANNIA
- **Australian Map Grid :** Zone Easting Northing
  - Reference: 54 725900 6506600
- **Site Tolerance :** Refer to *Broadcasting Services (Technical Planning) Guidelines 2007*

**Emission :-**

- **Frequency Band & Mode :** VHF-FM
- **Carrier Frequency :** 99.9 MHz
- **Polarisation :** Vertical
- **Maximum antenna height :** 26 m

**Output Radiation Pattern :-**

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

Category : Open Narrowcasting

General Area Served : Bourke (NSW)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10004314

Transmitter Site :-
Nominal location : Broadcast Site, Sturt St. BOURKE

Australian Map Grid : Zone Easting Northing
Reference 55 398500 6670500

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

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 96.1 MHz
Polarisation Vertical
Maximum antenna height 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>10 W</td>
</tr>
</tbody>
</table>
Attachment 1.9

LICENCE AREA PLAN: Bourke Radio

Category: Open Narrowcasting

General Area Served: Bourke (NSW)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004315

Transmitter Site:

Nominal location: Broadcast Site, Sturt St. BOURKE

Australian Map Grid: Zone Easting Northing
Reference 55 398500 6670500

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

Emission:

Frequency Band & Mode: VHF-FM

Carrier Frequency: 94.5 MHz

Polarisation: Vertical

Maximum antenna height: 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>10 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bourke Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10004500

Transmitter Site :-
Nominal location : Broadcast Site, Bathurst St. BREWARRINA

Australian Map Grid : Zone 55
Reference Easting 486900 Northing 6685100

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

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 96.1 MHz
Polarisation : Vertical
Maximum antenna height : 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>10 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bourke Radio
Category : Open Narrowcasting
General Area Served : Brewarrina (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10004501

Transmitter Site :-
Nominal location : Broadcast Site, Bathurst St. BATHURST
Australian Map Grid : Zone Easting Northing
Reference 55 486900 6685100
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 94.5 MHz
Polarisation : Vertical
Maximum antenna height : 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>10 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bourke Radio
Category : Open Narrowcasting
General Area Served : Collarenebri (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10004338

Transmitter Site :-
Nominal location : Broadcast Site, 4km SW of Post Office, COLLARENEBRI
Australian Map Grid : Zone Easting Northing
Reference  
55  649500  6727600
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 : 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>25 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bourke Radio

Category: Open Narrowcasting

General Area Served: Collarenebri (NSW)

Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10004339

Transmitter Site:
Nominal location: Broadcast Site, 4km SW of Post Office, COLLARENEBRI

Australian Map Grid: Zone Easting Northing
Reference: 55 649500 6727600

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: 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>25 W</td>
</tr>
</tbody>
</table>
Attachment 1.15

LICENCE AREA PLAN : Bourke Radio
Category : Open Narrowcasting
General Area Served : Walgett (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10004343

Transmitter Site :
Nominal location : Broadcast Site, 1km NE of WALGETT
Australian Map Grid : Zone Easting Northing
Reference 55 609300 6679700
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 22 m

Output Radiation Pattern :
<table>
<thead>
<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 : Bourke Radio
Category : Open Narrowcasting
General Area Served : Wilcannia (NSW)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10004344

Transmitter Site :-
Nominal location : Broadcast Site, WILCANNIA
Australian Map Grid : Zone Easting Northing
Reference 54 725900 6506600
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 96.7 MHz
Polarisation Vertical
Maximum antenna height 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>
LICENCE AREA PLAN : Bourke Radio

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

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10004345

Transmitter Site :-
Nominal location : Broadcast Site, WILCANNIA

Australian Map Grid : Zone Easting Northing
Reference 54 725900 6506600

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

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 98.3 MHz
Polarisation Vertical
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>
Licence Area - BOURKE RA2
Licence Area ID - 767
Community Radio Service Licence number: SL10212

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>Bourke (A) (LGA)</td>
<td>NSW CD 040205</td>
</tr>
<tr>
<td>Brewarrina (A) (LGA)</td>
<td>NSW CD 040206</td>
</tr>
<tr>
<td>NSW CD 020105</td>
<td>NSW CD 040207</td>
</tr>
<tr>
<td>NSW CD 021002</td>
<td>NSW CD 042901</td>
</tr>
<tr>
<td>NSW CD 021006</td>
<td>NSW CD 042902</td>
</tr>
<tr>
<td>NSW CD 030101</td>
<td>NSW CD 042903</td>
</tr>
<tr>
<td>NSW CD 031402</td>
<td>NSW CD 042904</td>
</tr>
<tr>
<td>NSW CD 040102</td>
<td>NSW CD 042905</td>
</tr>
<tr>
<td>NSW CD 040103</td>
<td>NSW CD 042906</td>
</tr>
<tr>
<td>NSW CD 040104</td>
<td>NSW CD 042907</td>
</tr>
<tr>
<td>NSW CD 040201</td>
<td>NSW CD 042908</td>
</tr>
<tr>
<td>NSW CD 040202</td>
<td>NSW CD 042909</td>
</tr>
<tr>
<td>NSW CD 040203</td>
<td>NSW CD 042910</td>
</tr>
<tr>
<td>NSW CD 040204</td>
<td></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 : Bourke Radio
Category : Community
General Area Served : Bourke (NSW)
Service Licence Number : SL10212

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10004309

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

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 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>At all angles of azimuth</td>
<td>10 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bourke Radio

Category: Community

General Area Served: Goodooga (NSW)

Service Licence Number: SL10212

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS10013226

Transmitter Site:
Nominal location: 2CUZ Site, GOODOOGA

Australian Map Grid: Zone Easting Northing
Reference 55 543781 6778994

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

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

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>100 W</td>
</tr>
</tbody>
</table>
Attachment 2.4

LICENCE AREA PLAN : Bourke Radio
Category : Community
General Area Served : Lightning Ridge (NSW)
Service Licence Number : SL10212

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10013227

Transmitter Site :-
Nominal location : Water Tower, Butterfly Street, LIGHTNING RIDGE
Australian Map Grid : Zone Easting Northing
Reference 55 595152 6742955
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 96.1 MHz
Polarisation : Vertical
Maximum antenna height : 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 : Bourke Radio
Category : Community
General Area Served : Walgett (NSW)
Service Licence Number : SL10212

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10013228

Transmitter Site :-
Nominal location : 2CUZ Site, WALGETT
Australian Map Grid : Zone Easting Northing
Reference 55 607686 6678831
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 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 : Bourke Radio  
Category : Community  
General Area Served : Weilmoringle (NSW)  
Service Licence Number : SL10212  

TECHNICAL SPECIFICATION - FM Radio  
Specification Number : TS10013229  

Transmitter Site :-  
Nominal location : 2CUZ Site, WEILMORINGLE  
Australian Map Grid : Zone Easting Northing  
Reference 55 297549 6762506  
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007  

Emission :-  
Frequency Band & Mode : VHF-FM  
Carrier Frequency : 100.5 MHz  
Polarisation : Vertical  
Maximum antenna height : 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>20 W</td>
</tr>
</tbody>
</table>
Licence Area - LIGHTNING RIDGE RA1
Licence Area ID - 781
Community Radio Service Licence number: SL10414

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 042901</td>
</tr>
<tr>
<td>NSW CD 042903</td>
</tr>
<tr>
<td>NSW CD 042907</td>
</tr>
<tr>
<td>NSW CD 042908</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
LICENCE AREA PLAN : Bourke Radio
Category : Community
General Area Served : Lightning Ridge (NSW)
Service Licence Number : SL10414

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS10004341

Transmitter Site :-
Nominal location : Broadcast Site, “Woolooroo” 2km N of LIGHTNING RIDGE
Australian Map Grid : Zone Easting Northing
Reference 55 594200 6764400
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 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>25 W</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Bourke Radio**

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

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10004340

**Transmitter Site :-**

Nominal location : Broadcast Site, “Wooloroo” 2km N of LIGHTNING RIDGE

Australian Map Grid : Zone 55  
Easting 594200  
Northing 6746400

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 : 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>25 W</td>
</tr>
</tbody>
</table>
## Licence Area - WILCANNIA RA1

**Licence Area ID** - 1316  
**Community Radio Service Licence number:** SL1130134

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 021006</td>
</tr>
</tbody>
</table>

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

(CD)  = Collection District
LICENCE AREA PLAN : Bourke Radio
Category : Community
General Area Served : Wilcannia (NSW)
Service Licence Number : SL1130134

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS1133585

Transmitter Site :-
Nominal location : CDEP Bdlg, 39 Reid St. WILCANNIA
Australian Map Grid : Zone Easting Northing
Reference 54 725700 6505842
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 15 m

Output Radiation Pattern :-

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