VARIATION TO THE LICENCE AREA PLAN

Riverland (Television and Radio)

No.1 of 2008
VARIATION TO LICENCE AREA PLAN FOR RIVERLAND (TELEVISION AND RADIO) – No 1 of 2008

Pursuant to subsection 26(2) of the Broadcasting Services Act 1992, the Australian Communications and Media Authority varies the Licence Area Plan for Riverland (Television and Radio) determined on 22 August 1996 (the principal instrument) in the manner set out below:

1) The determination in the principal instrument is varied to:
   a) number each of the paragraphs in the determination consecutively as clauses (1), (2), (3) and (4);
   b) in clause (2) to:
      i) omit the words “One national or community television broadcasting service”;
      ii) omit the word “two” and substitute the word “Two”;
      iii) omit the words “one commercial television broadcasting service” and substitute the words “two commercial television broadcasting services”;
      iv) omit the words “1.2 – 1.19” and substitute the words “1.2, 1.3, 1.6, 1.8 – 1.10, 1.15 and 1.17 – 1.23”;
   c) in clause (3) to:
      i) omit the word “Four” and substitute the word “Five”;
      ii) omit the words “two commercial radio broadcasting services and two open narrowcasting radio broadcasting services” and substitute the words “two commercial radio broadcasting services, two open narrowcasting radio broadcasting services and one community radio broadcasting service”;
      iii) omit the words “2.2 – 2.10” and substitute “2.2 – 2.13”;
   d) omit clause (4);
   e) insert the following clause after clause (3):

      “(4) 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”

2) Immediately following the determination:
   a) omit the heading “SCHEDULES”;
   b) omit the words “Each of the schedules set out.”; and
   c) omit all six paragraphs marked with dot points.

3) The schedules to the principal instrument are varied to:
   a) omit Schedule One, Schedule Two and Schedule Three of the principal instrument and substitute Schedule One and Schedule Two of this instrument.

4) Attachments to the principal instrument are varied to:
a) omit Attachment 1.1 of the principal instrument and substitute Attachment 1.1 of this instrument;
b) omit Attachment 1.2 of the principal instrument and substitute Attachment 1.2 of this instrument;
c) omit Attachments 1.4 and 1.5 of the principal instrument;
d) omit Attachment 1.7 of the principal instrument;
e) omit Attachment 1.9 of the principal instrument and substitute Attachment 1.9 of this instrument;
f) omit Attachment 1.10 of the principal instrument and substitute Attachment 1.10 of this instrument;
g) omit Attachments 1.11, 1.12, 1.13 and 1.14 of the principal instrument;
h) omit Attachment 1.15 of the principal instrument and substitute Attachment 1.15 of this instrument;
i) omit Attachment 1.17 of the principal instrument and substitute Attachment 1.17 of this instrument;
j) omit Attachment 1.18 of the principal instrument and substitute Attachment 1.18 of this instrument;
k) omit Attachment 1.19 of the principal instrument and substitute Attachment 1.19, 1.20, 1.21, 1.22 and 1.23 of this instrument;
l) omit Attachment 2.1 from the principal instrument and insert Attachment 2.1 of this instrument;
m) insert Attachments 2.11, 2.12 and 2.13 of this instrument after Attachment 2.10 of the principal instrument; and

n) omit Attachments 3.1, 3.2 and 3.3 from the principal instrument.

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

_____________________________________________  __________________________________________
Signature of Member                          Signature of Member

_____________________________________________  __________________________________________
Name (Please Print)                          Name (Please Print)

Dated this _________ day of ___________ 2008.
Variation to the schedule to the Licence Area Plan for Riverland Television and Radio

**Item 1**

Schedule One to the Licence Area Plan for Riverland (Television and Radio), as varied by Clause (3) of this instrument, is as follows:

**Schedule One**

**Licence Area Plan : Riverland Television and Radio - Variation - April 2008**

<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>30</td>
<td>N/A</td>
<td>TS10003267</td>
<td>1.2</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>National</td>
<td>53</td>
<td>N/A</td>
<td>TS10003299</td>
<td>1.3</td>
<td>Waikerie</td>
</tr>
<tr>
<td>National</td>
<td>3</td>
<td>N/A</td>
<td>TS10003265</td>
<td>1.6</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>National</td>
<td>56</td>
<td>N/A</td>
<td>TS10003302</td>
<td>1.8</td>
<td>Waikerie</td>
</tr>
<tr>
<td>National</td>
<td>56</td>
<td>N/A</td>
<td>TS10003308</td>
<td>1.9</td>
<td>Pinnaroo</td>
</tr>
<tr>
<td>National</td>
<td>57</td>
<td>N/A</td>
<td>TS10003340</td>
<td>1.10</td>
<td>Lameroo</td>
</tr>
<tr>
<td>Commercial</td>
<td>5A</td>
<td>SL10174</td>
<td>TS10003266</td>
<td>1.15</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td></td>
<td>59</td>
<td>SL10174</td>
<td>TS10003304</td>
<td>1.17</td>
<td>Waikerie</td>
</tr>
<tr>
<td></td>
<td>59</td>
<td>SL10174</td>
<td>TS10003319</td>
<td>1.18</td>
<td>Pinnaroo</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>SL10174</td>
<td>TS10003346</td>
<td>1.19</td>
<td>Lameroo</td>
</tr>
<tr>
<td>Commercial</td>
<td>34</td>
<td>SL1150796</td>
<td>TS10010545</td>
<td>1.20</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>SL1150796</td>
<td>TS10003310</td>
<td>1.21</td>
<td>Waikerie</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>SL1150796</td>
<td>TS10003320</td>
<td>1.22</td>
<td>Pinnaroo</td>
</tr>
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<td></td>
<td>63</td>
<td>SL1150796</td>
<td>TS10003347</td>
<td>1.23</td>
<td>Lameroo</td>
</tr>
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</table>

**Schedule Two**

**Licence Area Plan : Riverland Television and Radio - Variation - April 2008**

<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>105.1 MHz</td>
<td>N/A</td>
<td>TS10003434</td>
<td>2.2</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>National</td>
<td>101.9 MHz</td>
<td>N/A</td>
<td>TS10003435</td>
<td>2.3</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>National</td>
<td>1305 kHz</td>
<td>N/A</td>
<td>TS10003444</td>
<td>2.4</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>National</td>
<td>1062 kHz</td>
<td>N/A</td>
<td>TS10003264</td>
<td>2.5</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>National</td>
<td>93.9 MHz</td>
<td>N/A</td>
<td>TS1131022</td>
<td>2.11</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>Commercial</td>
<td>801 kHz</td>
<td>SL10178</td>
<td>TS10003449</td>
<td>2.6</td>
<td>Renmark/Loxton</td>
</tr>
</tbody>
</table>
### Variation to Licence Area Plan – Riverland (Television and Radio) – April 2008

<table>
<thead>
<tr>
<th>Type</th>
<th>Frequency</th>
<th>Call Sign</th>
<th>Transmission Code</th>
<th>EIRP 1</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial</td>
<td>93.1 MHz</td>
<td>SL10175</td>
<td>TS10003436</td>
<td>2.7</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td></td>
<td>97.1 MHz</td>
<td>SL10175</td>
<td>TS10003588</td>
<td>2.8</td>
<td>Morgan</td>
</tr>
<tr>
<td>Community</td>
<td>100.7 MHz</td>
<td>SL10177</td>
<td>TS1130967</td>
<td>2.12</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td></td>
<td>96.3 MHz</td>
<td>SL10177</td>
<td>TS10003589</td>
<td>2.13</td>
<td>Morgan</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>95.5 MHz</td>
<td>N/A</td>
<td>TS10003261</td>
<td>2.9</td>
<td>Renmark/Loxton</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>1557 kHz</td>
<td>N/A</td>
<td>TS10003579</td>
<td>2.10</td>
<td>Renmark/Loxton</td>
</tr>
</tbody>
</table>

Austarm Communications and Media Authority
Attachment 1.1

License Area - RIVERLAND TV1
License Area ID - 289
Commercial TV Service Licence numbers: SL10174, SL1150796

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 5 August 2001, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berri and Barmera (DC) (LGA)</td>
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<tr>
<td>Renmark Paringa (DC) (LGA)</td>
</tr>
<tr>
<td>Southern Mallee (DC) (LGA)</td>
</tr>
<tr>
<td>Loxton Waikerie (DC) - East (SLA)</td>
</tr>
<tr>
<td>SA CD 040401</td>
</tr>
<tr>
<td>SA CD 040402</td>
</tr>
<tr>
<td>SA CD 040403</td>
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<td>SA CD 040404</td>
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<td>SA CD 040506</td>
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<td>SA CD 040508</td>
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</tr>
<tr>
<td>SA CD 040510</td>
</tr>
<tr>
<td>SA CD 040511</td>
</tr>
<tr>
<td>SA CD 040701</td>
</tr>
</tbody>
</table>
**Note:**
Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(SLA) = Statistical Local Area

(CD) = Collection District

(DC) = District Council
Attachment 1.2

LICENCE AREA PLAN: Riverland Radio - Variation – April 2008

Category: National
General Area Served: Renmark/Loxton (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - Television

Specification Number: TS10003267

Transmitter Site:-
Nominal location: Broadcast Site Bookpurnong Terrace 4 km WSW of LOXTON

Australian Map Grid: Zone Easting Northing
Reference 54 457031 6186081

Site Tolerance: Refer to Technical Planning Guidelines

Emission:-
Frequency Band & Mode: UHF Band IV - TV
Carrier Frequency: 541.198 MHz (Ch.30)
Polarisation: Vertical
Maximum antenna height: 170 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 - 150°T</td>
<td>500 kW</td>
</tr>
<tr>
<td>150°T - 360°T</td>
<td>650 kW</td>
</tr>
</tbody>
</table>

Australian Communications and Media Authority 7
Attachment 1.9

LICENCE AREA PLAN : Riverland Radio - Variation - April 2008
Category : National
General Area Served : Pinnaroo (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number : TS10003308

Transmitter Site :-
Nominal location : Telstra Site Lot 30 Bone Road PINNAROO
Australian Map Grid : Zone Easting Northing
Reference 54 490739 6098504
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 723.224 MHz (Ch.56)
Polarisation Vertical
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>500 W</td>
</tr>
</tbody>
</table>
Attachment 1.10

LICENCE AREA PLAN: Riverland Radio - Variation – April 2008

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

TECHNICAL SPECIFICATION - Television

Specification Number: TS10003340

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

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 730.224 MHz (Ch.57)
Polarisation: Horizontal
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>500 W</td>
</tr>
</tbody>
</table>
** LICENCE AREA PLAN : Riverland Radio - Variation – April 2008  
**

**Category:** Commercial  
**General Area Served:** Renmark/Loxton (SA)  
**Service Licence Number:** SL10174  

**TECHNICAL SPECIFICATION - Television**  
**Specification Number:** TS10003266  

**Transmitter Site :-**  
**Nominal location:** Broadcast Site Bookpurnong Terrace 4 km WSW of LOXTON  
**Australian Map Grid:** Zone Easting Northing Reference 54 457031 6186081  
**Site Tolerance:** Refer to Technical Planning Guidelines  

**Emission :-**  
**Frequency Band & Mode:** VHF Band III - TV  
**Carrier Frequency:** 138.26 MHz (Ch.5A)  
**Polarisation:** Vertical  
**Maximum antenna height:** 140 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>65 kW</td>
</tr>
<tr>
<td>120°T - 270°T</td>
<td>80 kW</td>
</tr>
<tr>
<td>270°T - 340°T</td>
<td>100 kW</td>
</tr>
<tr>
<td>340°T - 360°T</td>
<td>65 kW</td>
</tr>
</tbody>
</table>

**Notes :-**
Attachment 1.17

LICENCE AREA PLAN: Riverland Radio - Variation – April 2008

Category: Commercial
General Area Served: Waikerie (SA)
Service Licence Number: SL10174

TECHNICAL SPECIFICATION - Television

Specification Number: TS10003304

Transmitter Site:
Nominal location: Broadcast/Optus Site Lot 67 Loffler Rd RAMCO
Australian Map Grid: Zone Easting Northing
Reference: 54 401468 6215973
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 744.25 MHz (Ch.59)
Polarisation: Vertical
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>0°T - 300°T</td>
<td>200 W</td>
</tr>
<tr>
<td>300°T - 320°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>320°T - 360°T</td>
<td>200 W</td>
</tr>
</tbody>
</table>
Attachment 1.18

**LICENCE AREA PLAN:** Riverland Radio - Variation - April 2008

- **Category:** Commercial
- **General Area Served:** Pinnaroo (SA)
- **Service Licence Number:** SL10174

**TECHNICAL SPECIFICATION - Television**

- **Specification Number:** TS10003319

**Transmitter Site:**
- **Nominal location:** Telstra Site Lot 30 Bone Road PINNAROO
- **Australian Map Grid:** Zone Easting Northing
  - Reference: 54 490739 6098504
- **Site Tolerance:** Refer to Technical Planning Guidelines

**Emission:**
- **Frequency Band & Mode:** UHF Band V - TV
- **Carrier Frequency:** 744.224 MHz (Ch.59)
- **Polarisation:** Vertical
- **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>500 W</td>
</tr>
</tbody>
</table>
Attachment 1.19

LICENCE AREA PLAN: Riverland Radio - Variation - April 2008

Category: Commercial
General Area Served: Lameroo (SA)
Service Licence Number: SL10174

TECHNICAL SPECIFICATION - Television

Specification Number: TS10003346

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

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 751.224 MHz (Ch.60)
Polarisation: Horizontal
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>500 W</td>
</tr>
</tbody>
</table>
Variation to Licence Area Plan – Riverland (Television and Radio) – April 2008

Attachment 1.20

LICENCE AREA PLAN: Riverland Radio - Variation - April 2008

Category: Commercial
General Area Served: Renmark/Loxton (SA)
Service Licence Number: SL1150796

TECHNICAL SPECIFICATION - Television

Specification Number: TS10010545

Transmitter Site :-
Nominal location: Broadcast Site  Bookpurnong Terrace 4 km WSW of  LOXTON
Australian Map Grid: Zone  Easting  Northing
Reference  54  457031  6186081
Site Tolerance: Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode: UHF Band IV - TV
Carrier Frequency: 569.25 MHz (Ch.34)
Polarisation: Vertical
Maximum antenna height: 170 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 - 150°T</td>
<td>500 kW</td>
</tr>
<tr>
<td>150°T - 360°T</td>
<td>650 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Riverland Radio - Variation - April 2008

Category: Commercial
General Area Served: Waikerie (SA)
Service Licence Number: SL1150796

TECHNICAL SPECIFICATION - Television

Specification Number: TS10003310

Transmitter Site:-
Nominal location: Broadcast/Optus Site Lot 67 Loffler Rd RAMCO
Australian Map Grid: Zone Easting Northing
Reference 54 401468 6215973
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 765.25 MHz (Ch.62)
Polarisation: Vertical
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>0°T - 300°T</td>
<td>200 W</td>
</tr>
<tr>
<td>300°T - 320°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>320°T - 360°T</td>
<td>200 W</td>
</tr>
</tbody>
</table>
**Variation to Licence Area Plan – Riverland (Television and Radio) – April 2008**

**Attachment  1.22**

**LICENCE AREA PLAN : Riverland Radio - Variation - April 2008**

Category : Commercial  
General Area Served : Pinnaroo (SA)  
Service Licence Number : SL1150796  

**TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003320  

*Transmitter Site :-*

Nominal location : Telstra Site Lot 30 Bone Road PINNAROO  
Australian Map Grid : Zone Easting Northing  
Reference 54 490739 6098504  
Site Tolerance : Refer to Technical Planning Guidelines  

*Emission :-*

Frequency Band & Mode UHF Band V - TV  
Carrier Frequency : 765.224 MHz (Ch.62)  
Polarisation Vertical  
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>500 W</td>
</tr>
</tbody>
</table>
Attachment 1.23

**LICENCE AREA PLAN** : Riverland Radio - Variation - April 2008

Category : Commercial

General Area Served : Lameroo (SA)

Service Licence Number : SL1150796

**TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003347

**Transmitter Site :-**

Nominal location : Telstra Site  Vardon Terrace  LAMEROO

Australian Map Grid : Zone Easting Northing

Reference 54 455610 6090217

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode UHF Band V - TV

Carrier Frequency : 772.224 MHz (Ch.63)

Polarisation Horizontal

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>500 W</td>
</tr>
</tbody>
</table>
**Attachment 2.1**

**Licence Area - RIVERLAND RA1**

**Licence Area ID - 472**

**Commercial Radio Service Licence numbers:** SL10175, SL10178

**Community Radio Service Licence numbers:** SL10177

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 5 August 2001, is:

<table>
<thead>
<tr>
<th>Area Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berri and Barmera (DC) (LGA)</td>
</tr>
<tr>
<td>Loxton Waikerie (DC) (LGA)</td>
</tr>
<tr>
<td>Renmark Paringa (DC) (LGA)</td>
</tr>
<tr>
<td>Unincorp. Riverland (SLA)</td>
</tr>
<tr>
<td>SA CD 040301</td>
</tr>
<tr>
<td>SA CD 040302</td>
</tr>
<tr>
<td>SA CD 040303</td>
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</tr>
<tr>
<td>SA CD 040405</td>
</tr>
<tr>
<td>SA CD 040406</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

- **(LGA)** = Local Government Area
- **(SLA)** = Statistical Local Area
- **(CD)** = Collection District
- **(DC)** = District Council
Attachment 2.11

LICENCE AREA PLAN: Riverland Radio - Variation - April 2008

Category: National
General Area Served: Renmark/Loxton (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1131022

Transmitter Site -
Nominal location: Broadcast Site Bookpurnong Terrace 4 km WSW of LOXTON

Australian Map Grid: Zone Easting Northing
Reference: 54 457031 6186081

Site Tolerance: Refer to Technical Planning Guidelines

Emission -
Frequency Band & Mode: VHF-FM
Carrier Frequency: 93.9 MHz
Polarisation: Vertical
Maximum antenna height: 156 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 - 70°T</td>
<td>150 kW</td>
</tr>
<tr>
<td>70°T - 165°T</td>
<td>70 kW</td>
</tr>
<tr>
<td>165°T - 360°T</td>
<td>150 kW</td>
</tr>
</tbody>
</table>
Attachment 2.12

LICENCE AREA PLAN: Riverland Radio - Variation - April 2008

Category: Community
General Area Served: Renmark/Loxton (SA)
Service Licence Number: SL10177

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1130967

Transmitter Site:
Nominal location: Broadcast Site Bookpurnong Terrace 4 km WSW of LOXTON

Australian Map Grid:
Reference: Zone Easting Northing
54 457031 6186081

Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF-FM
Carrier Frequency: 100.7 MHz
Polarisation: Mixed
Maximum antenna height: 156 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 - 70°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>70°T - 165°T</td>
<td>2.5 kW</td>
</tr>
<tr>
<td>165°T - 360°T</td>
<td>5 kW</td>
</tr>
</tbody>
</table>
**Attachment 2.13**

**LICENCE AREA PLAN: Riverland Radio - Variation - April 2008**

- **Category:** Community
- **General Area Served:** Morgan (SA)
- **Service Licence Number:** SL10177

**TECHNICAL SPECIFICATION - FM Radio**

- **Specification Number:** TS10003589

**Transmitter Site:**
- **Nominal location:** Broadcast Site approx 1 km East of COSY CORNER
- **Australian Map Grid:** Zone Easting Northing
  - Reference: 54 380000 6232000
- **Site Tolerance:** Refer to Technical Planning Guidelines

**Emission:**
- **Frequency Band & Mode:** VHF-FM
- **Carrier Frequency:** 96.3 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>0°T - 60°T</td>
<td>100 W</td>
</tr>
<tr>
<td>60°T - 150°T</td>
<td>2.5 kW</td>
</tr>
<tr>
<td>150°T - 360°T</td>
<td>100 W</td>
</tr>
</tbody>
</table>