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

JULY 2010
Draft Variation to Licence Area Plan for Bunbury 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 Bunbury 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 Bunbury Radio determined by the Australian Broadcasting Authority on 12 November 1996 is varied as follows:

(a) on the title page – omit the words “November 1996”;

(b) number each of the paragraphs in the determination consecutively as clauses (1), (2), (3), (4) and (5):

(c) in clause (2):

(i) omit the words “Six national radio broadcasting, three commercial radio broadcasting services and two open narrowcasting radio broadcasting services” and substitute the words “Seven national radio broadcasting services, three commercial radio broadcasting services and four open narrowcasting radio services”;

(ii) omit the words “Bridgetown area” and substitute the words “Bunbury area”; and

(iii) omit the words “Attachments 1.2 - 1.16” and substitute the words “Attachments 1.2 - 1.22”;

(d) in clause (4)

omit the words “Schedule Two” and substitute the words “Schedule Three”;

(e) in clause (5):

(i) omit the words “Schedule Two” and substitute the words “Schedule Four”; and

(ii) omit the words “Attachment 2.2” and substitute the words “Attachment 4.2”;
(f) insert the following clauses after clause (5):

“(6) One community radio broadcasting service is to be available in the area described at Attachment 5.1 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 5.1 are set out in Schedule Five and Attachment 5.2 to this Determination.”; and

“(7) 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.”;

(g) immediately following the determination:

(i) omit the heading “SCHEDULES”; and

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

(h) omit all the schedules;

(i) insert, in numerical order, the schedules to this instrument;

(j) omit all the attachments; and

(k) insert, in numerical order, the attachments to 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:**

*Licence Area: BUNBURY 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>93.3 MHz</td>
<td>N/A</td>
<td>TS10002140</td>
<td>1.2</td>
<td>Bunbury</td>
</tr>
<tr>
<td>National</td>
<td>94.1 MHz</td>
<td>N/A</td>
<td>TS10002142</td>
<td>1.3</td>
<td>Bunbury</td>
</tr>
<tr>
<td>National</td>
<td>684 kHz</td>
<td>N/A</td>
<td>TS1133175</td>
<td>1.4</td>
<td>Busselton</td>
</tr>
<tr>
<td>National</td>
<td>1269 kHz</td>
<td>N/A</td>
<td>TS1131023</td>
<td>1.5</td>
<td>Busselton</td>
</tr>
<tr>
<td>National</td>
<td>98.3 MHz</td>
<td>N/A</td>
<td>TS10002268</td>
<td>1.6</td>
<td>Augusta</td>
</tr>
<tr>
<td>National</td>
<td>99.1 MHz</td>
<td>N/A</td>
<td>TS10002269</td>
<td>1.7</td>
<td>Augusta</td>
</tr>
<tr>
<td>National</td>
<td>1152 kHz</td>
<td>N/A</td>
<td>TS1132618</td>
<td>1.20</td>
<td>Busselton</td>
</tr>
<tr>
<td>Commercial</td>
<td>963 kHz</td>
<td>SL10404</td>
<td>TS10002334</td>
<td>1.8</td>
<td>Bunbury</td>
</tr>
<tr>
<td></td>
<td>1134 kHz</td>
<td>SL10404</td>
<td>TS10002336</td>
<td>1.9</td>
<td>Collie</td>
</tr>
<tr>
<td></td>
<td>756 kHz</td>
<td>SL10404</td>
<td>TS10002344</td>
<td>1.10</td>
<td>Margaret River</td>
</tr>
<tr>
<td></td>
<td>101.5 MHz</td>
<td>SL10404</td>
<td>TS1133501</td>
<td>1.19</td>
<td>Augusta</td>
</tr>
<tr>
<td>Commercial</td>
<td>95.7 MHz</td>
<td>SL10043</td>
<td>TS10002138</td>
<td>1.11</td>
<td>Bunbury</td>
</tr>
<tr>
<td></td>
<td>96.7 MHz</td>
<td>SL10043</td>
<td>TS1133472</td>
<td>1.17</td>
<td>Collie</td>
</tr>
<tr>
<td></td>
<td>100.3 MHz</td>
<td>SL10043</td>
<td>TS1133511</td>
<td>1.18</td>
<td>Margaret River</td>
</tr>
<tr>
<td>Commercial</td>
<td>621 kHz</td>
<td>SL10074</td>
<td>TS10002241</td>
<td>1.12</td>
<td>Bunbury</td>
</tr>
<tr>
<td></td>
<td>1548 kHz</td>
<td>SL10074</td>
<td>TS10002747</td>
<td>1.13</td>
<td>Collie</td>
</tr>
<tr>
<td></td>
<td>1494 kHz</td>
<td>SL10074</td>
<td>TS10002748</td>
<td>1.14</td>
<td>Margaret River</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>1017 kHz</td>
<td>N/A</td>
<td>TS10002242</td>
<td>1.15</td>
<td>Bunbury</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>1404 kHz</td>
<td>N/A</td>
<td>TS10002240</td>
<td>1.16</td>
<td>Busselton</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>855 kHz</td>
<td>N/A</td>
<td>TS1133531</td>
<td>1.21</td>
<td>Bunbury</td>
</tr>
<tr>
<td>Open Narrowcasting</td>
<td>1593 kHz</td>
<td>N/A</td>
<td>TS1133516</td>
<td>1.22</td>
<td>Collie</td>
</tr>
</tbody>
</table>

# Schedule Two

**Licence Area Plan:**

*Licence Area: COLLIE 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>1089 kHz</td>
<td>SL10062</td>
<td>TS10002158</td>
<td>2.2</td>
<td>Collie</td>
</tr>
</tbody>
</table>
Schedule Three
Licence Area Plan:

<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>1332 kHz</td>
<td>SL10068</td>
<td>TS10002229</td>
<td>3.2</td>
<td>Margaret River</td>
</tr>
</tbody>
</table>

Schedule Four
Licence Area Plan:

<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>96.5 MHz</td>
<td>SL1130120</td>
<td>TS1133509</td>
<td>4.2</td>
<td>Harvey</td>
</tr>
</tbody>
</table>

Schedule Five
Licence Area Plan:

<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>97.1 MHz</td>
<td>SL1130119</td>
<td>TS1133510</td>
<td>5.2</td>
<td>Augusta</td>
</tr>
</tbody>
</table>
License Area - BUNBURY RA1

License Area ID - 486

Commercial Radio Service Licence numbers: SL10043, SL10074, SL10404

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>Augusta-Margaret River (S) (LGA)</td>
</tr>
<tr>
<td>Bunbury (C) (LGA)</td>
</tr>
<tr>
<td>Busselton (S) (LGA)</td>
</tr>
<tr>
<td>Capel (S) (LGA)</td>
</tr>
<tr>
<td>Collie (S) (LGA)</td>
</tr>
<tr>
<td>Dardanup (S) (LGA)</td>
</tr>
<tr>
<td>Harvey (S) (LGA)</td>
</tr>
<tr>
<td>Waroona (S) (LGA)</td>
</tr>
<tr>
<td>WA CD 050901</td>
</tr>
<tr>
<td>WA CD 050902</td>
</tr>
<tr>
<td>WA CD 051001</td>
</tr>
<tr>
<td>WA CD 051002</td>
</tr>
<tr>
<td>WA CD 051003</td>
</tr>
<tr>
<td>WA CD 051005</td>
</tr>
<tr>
<td>WA CD 051006</td>
</tr>
<tr>
<td>WA CD 051007</td>
</tr>
<tr>
<td>WA CD 051008</td>
</tr>
<tr>
<td>WA CD 051009</td>
</tr>
<tr>
<td>WA CD 051010</td>
</tr>
<tr>
<td>WA CD 051011</td>
</tr>
</tbody>
</table>
Note:
Standard terminology used by the Australian Bureau of Statistics:

(C) = City

(LGA) = Local Government Area

(CD) = Collection District

(S) = Shire
LICENCE AREA PLAN : Bunbury Radio

Category : National
General Area Served : Bunbury (WA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002140

Transmitter Site :-
Nominal location : Broadcast Site Mt Lennard
BUNBURY

Australian Map Grid : Zone Easting Northing
Reference 50 399100 6304200

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

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 93.3 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>At all angles of azimuth</td>
<td>100 kW</td>
</tr>
</tbody>
</table>
Attachment 1.3

LICENCE AREA PLAN : Bunbury Radio

Category : National
General Area Served : Bunbury (WA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002142

Transmitter Site :-
Nominal location : Broadcast Site Mt Lennard
                BUNBURY

Australian Map Grid : Zone  Easting  Northing
Reference  50  399100  6304200

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

Emission :-

Frequency Band & Mode : VHF-FM
Carrier Frequency : 94.1 MHz
Polarisation : Mixed
Maximum antenna height : 156 m

Output Radiation Pattern :-

<table>
<thead>
<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 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bunbury Radio

Category: National
General Area Served: Busselton (WA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS1133175

Transmitter Site: -
Nominal location: Broadcast Site BUSSELTON
Australian Map Grid: Zone Easting Northing
Reference: 50 335674 6273998
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

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

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0°</td>
<td>885 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : National
General Area Served : Busselton (WA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS1131023

Transmitter Site :-
Nominal location : Broadcast Site BUSSELTON
Australian Map Grid : Zone Easting Northing
Reference
50 335674 6273998
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 1269 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>885 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : National
General Area Served : Augusta (WA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002268

Transmitter Site :-
Nominal location : Broadcast Site Leeuwin Rd/Osnaburg St Junction AUGUSTA

Australian Map Grid :
Reference Zone Easting Northing 50 330562 6200259
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 98.3 MHz
Polarisation Mixed
Maximum antenna height 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 : Bunbury Radio

Category : National
General Area Served : Augusta (WA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002269

**Transmitter Site :-**
Nominal location : Broadcast Site Leeuwin Rd/Osnaburg St Junction AUGUSTA

Australian Map Grid : Zone Easting Northing
Reference 50 330562 6200259

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

**Emission :-**
Frequency Band & Mode : VHF-FM
Carrier Frequency : 99.1 MHz
Polarisation : Mixed
Maximum antenna height : 30 m

**Output Radiation Pattern :-**

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

Category : Commercial
General Area Served : Bunbury (WA)
Service Licence Number : SL10404

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10002334

Transmitter Site :-
Nominal location : Broadcast Site Wireless Rd 11 km E of BUNBURY
Australian Map Grid : Zone 50 Easting 383800 Northing 6310100
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 963 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>450 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bunbury Radio

Category: Commercial
General Area Served: Collie (WA)
Service Licence Number: SL10404

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10002336

Transmitter Site: -
Nominal location: Broadcast Site 4 km ESE of COLLIE

Australian Map Grid: Zones Easting Northing
Reference 50 424901 6307301

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

Emission: -
Frequency Band & Mode: MF-AM
Carrier Frequency: 1134 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>450 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : Commercial
General Area Served : Margaret River (WA)
Service Licence Number : SL10404

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10002344

Transmitter Site :-
Nominal location : Broadcast Site Taunton Farm Lot 2536
Bussell Hwy MARGARET RIVER
Australian Map Grid : Zone 50 Easting 326102 Northing 6257100
Site Tolerance : Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 756 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>450 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : Commercial
General Area Served : Bunbury (WA)
Service Licence Number : SL10043

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10002138

Transmitter Site :
Nominal location : Broadcast Site Mt Lennard
      BUNBURY

Australian Map Grid :
      Zone   Easting   Northing
      50 399100  6304200

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

Emission :
Frequency Band & Mode : VHF-FM
Carrier Frequency : 95.7 MHz
Polarisation : Mixed
Maximum antenna height : 160 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 - 180°T</td>
<td>6 kW</td>
</tr>
<tr>
<td>180°T - 270°T</td>
<td>60 kW</td>
</tr>
<tr>
<td>270°T - 340°T</td>
<td>12 kW</td>
</tr>
<tr>
<td>340°T - 360°T</td>
<td>6 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : Commercial
General Area Served : Bunbury (WA)
Service Licence Number : SL10074

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10002241

Transmitter Site :-
Nominal location : Broadcast Site Wireless Rd 11 km E of BUNBURY
Australian Map Grid : Zone Easting Northing
Reference 50 383800 6310100
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 621 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>450 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bunbury Radio

Category: Commercial
General Area Served: Collie (WA)
Service Licence Number: SL10074

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10002747

**Transmitter Site**

Nominal location: Broadcast Site 4 km ESE of COLLIE
Australian Map Grid: Zone Easting Northing
Reference: 50 424901 6307301

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

**Emission**

Frequency Band & Mode: MF-AM
Carrier Frequency: 1548 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>450 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : Commercial
General Area Served : Margaret River (WA)
Service Licence Number : SL10074

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS10002748

Transmitter Site :-
Nominal location : Broadcast Site Taunton Farm Lot 2536
Bussell Hwy MARGARET RIVER

Australian Map Grid : Zone Easting Northing
Reference 50 326102 6257100

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

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 1494 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>450 V</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN : Bunbury Radio**

Category : Open Narrowcasting  
General Area Served : Bunbury (WA)  
Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS10002242  
**Transmitter Site :-**
Nominal location : Broadcast Site Wireless Rd 11 km E of BUNBURY  
Australian Map Grid : Zone 50  
Reference : 383800 6310100  
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

**Emission :-**
Frequency Band & Mode : MF-AM  
Carrier Frequency : 1017 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>450 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bunbury Radio

Category: Open Narrowcasting
General Area Served: Busselton (WA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10002240

Transmitter Site:
Nominal location: Broadcast Site BUSSELTON
Australian Map Grid: Zone Easting Northing
Reference 50 335674 6273998

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

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 1404 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>800 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : Commercial
General Area Served : Collie (WA)
Service Licence Number : SL10043

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1133472

Transmitter Site :-
Nominal location : Broadcast Site 4 km ESE of COLLIE
Australian Map Grid : Zone Easting Northing
Reference 50 424901 6307301
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 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>80 W</td>
</tr>
</tbody>
</table>

Special Conditions :-
This service has potential to cause interference to the reception of Bunbury TV service ABSW5. Implementation of the proposed specification is subject to clearance of ABSW5 Bunbury or the licensee may increase the power gradually to determine the maximum ERP that will not cause any interference to the reception of ABSW5 Bunbury in Collie or surrounding areas. The licensee is responsible for alleviation of the interference.
LICENCE AREA PLAN : Bunbury Radio

Category : Commercial
General Area Served : Margaret River (WA)
Service Licence Number : SL10043

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS1133511

Transmitter Site :-
Nominal location : SES Lot 25 to 26 Le Souef Street
MARGARET RIVER

Australian Map Grid : Zone Easting Northing
Reference 50 322164 6241481

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

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 100.3 MHz
Polarisation Vertical
Maximum antenna height 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>25 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio
Category : Commercial
General Area Served : Augusta (WA)
Service Licence Number : SL10404

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS1133501

Transmitter Site :-
Nominal location : Broadcast Site Leeuwin Rd/Osnaburg St Junction AUGUSTA

Australian Map Grid :
Reference
Zone 50 Easting 330562 Northing 6200259

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

Emission :-
Frequency Band & Mode : VHF-FM
Carrier Frequency : 101.5 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>80 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : National
General Area Served : Busselton (WA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS1132618

Transmitter Site :-
Nominal location : Broadcast Site BUSSELTON
Australian Map Grid : Zone Easting Northing
Reference 50 335674 6273998
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode MF-AM
Carrier Frequency : 1152 kHz

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°T - 0°T</td>
<td>0°</td>
<td>1.005 kV</td>
</tr>
<tr>
<td>10°T - 10°T</td>
<td>0°</td>
<td>680 V</td>
</tr>
<tr>
<td>20°T - 20°T</td>
<td>0°</td>
<td>480 V</td>
</tr>
<tr>
<td>25°T - 25°T</td>
<td>8.9°</td>
<td>425 V</td>
</tr>
<tr>
<td>30°T - 30°T</td>
<td>0°</td>
<td>735 V</td>
</tr>
<tr>
<td>40°T - 40°T</td>
<td>0°</td>
<td>1.105 kV</td>
</tr>
<tr>
<td>50°T - 50°T</td>
<td>0°</td>
<td>1.335 kV</td>
</tr>
<tr>
<td>60°T - 60°T</td>
<td>0°</td>
<td>1.35 kV</td>
</tr>
<tr>
<td>70°T - 70°T</td>
<td>0°</td>
<td>1.17 kV</td>
</tr>
<tr>
<td>80°T - 80°T</td>
<td>0°</td>
<td>890 V</td>
</tr>
<tr>
<td>Angle Difference</td>
<td>Phase Angle</td>
<td>Voltage</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>90° - 90°T</td>
<td>0°</td>
<td>620 V</td>
</tr>
<tr>
<td>100° - 100°T</td>
<td>0°</td>
<td>455 V</td>
</tr>
<tr>
<td>110° - 110°T</td>
<td>0°</td>
<td>415 V</td>
</tr>
<tr>
<td>120° - 120°T</td>
<td>0°</td>
<td>410 V</td>
</tr>
<tr>
<td>130° - 130°T</td>
<td>0°</td>
<td>405 V</td>
</tr>
<tr>
<td>140° - 140°T</td>
<td>0°</td>
<td>395 V</td>
</tr>
<tr>
<td>150° - 150°T</td>
<td>0°</td>
<td>445 V</td>
</tr>
<tr>
<td>160° - 160°T</td>
<td>0°</td>
<td>610 V</td>
</tr>
<tr>
<td>170° - 170°T</td>
<td>0°</td>
<td>855 V</td>
</tr>
<tr>
<td>180° - 180°T</td>
<td>0°</td>
<td>1.12 kV</td>
</tr>
<tr>
<td>190° - 190°T</td>
<td>0°</td>
<td>1.305 kV</td>
</tr>
<tr>
<td>200° - 200°T</td>
<td>0°</td>
<td>1.34 kV</td>
</tr>
<tr>
<td>210° - 210°T</td>
<td>0°</td>
<td>1.165 kV</td>
</tr>
<tr>
<td>220° - 220°T</td>
<td>0°</td>
<td>800 V</td>
</tr>
<tr>
<td>230° - 230°T</td>
<td>0°</td>
<td>435 V</td>
</tr>
<tr>
<td>240° - 240°T</td>
<td>0°</td>
<td>565 V</td>
</tr>
<tr>
<td>250° - 250°T</td>
<td>0°</td>
<td>935 V</td>
</tr>
<tr>
<td>260° - 260°T</td>
<td>0°</td>
<td>1.21 kV</td>
</tr>
<tr>
<td>270° - 270°T</td>
<td>0°</td>
<td>1.345 kV</td>
</tr>
<tr>
<td>280° - 280°T</td>
<td>0°</td>
<td>1.385 kV</td>
</tr>
<tr>
<td>290° - 290°T</td>
<td>0°</td>
<td>1.375 kV</td>
</tr>
<tr>
<td>300° - 300°T</td>
<td>0°</td>
<td>1.365 kV</td>
</tr>
<tr>
<td>310° - 310°T</td>
<td>0°</td>
<td>1.38 kV</td>
</tr>
<tr>
<td>320° - 320°T</td>
<td>0°</td>
<td>1.405 kV</td>
</tr>
<tr>
<td>330° - 330°T</td>
<td>0°</td>
<td>1.415 kV</td>
</tr>
<tr>
<td>340° - 340°T</td>
<td>0°</td>
<td>1.375 kV</td>
</tr>
<tr>
<td>350° - 350°T</td>
<td>0°</td>
<td>1.25 kV</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Bunbury Radio

Category: Open Narrowcasting
General Area Served: Bunbury (WA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS1133531

Transmitter Site: -
Nominal location: Broadcast Site Wireless Rd 11 km E of BUNBURY

Australian Map Grid: Zone Easting Northing
Reference 50 383800 6310100

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

Emission: -
Frequency Band & Mode: MF-AM
Carrier Frequency: 855 kHz

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0°</td>
<td>220 V</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Bunbury Radio

Category : Open Narrowcasting

General Area Served : Collie (WA)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS1133516

Transmitter Site :
Nominal location : Broadcast Site 4 km ESE of COLLIE

Australian Map Grid : Zone Easting Northing
Reference 50 424901 6307301

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

Emission :
Frequency Band & Mode MF-AM

Carrier Frequency : 1593 kHz

Output Radiation Pattern :

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0°</td>
<td>220 V</td>
</tr>
</tbody>
</table>
Attachment 2.1

Licence Area - COLLIE RA1
Licence Area ID - 779
Community Radio Service Licence numbers: SL10062

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>Collie (S) (LGA)</td>
</tr>
</tbody>
</table>

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

(LGA) = Local Government Area

(S) = Shire
LICENCE AREA PLAN : Bunbury Radio

Category : Community
General Area Served : Collie (WA)
Service Licence Number : SL10062

TECHNICAL SPECIFICATION - AM Radio
Specification Number : TS10002158

Transmitter Site :-
Nominal location : Broadcast Site 4 km ESE of COLLIE
Australian Map Grid : Zone  Easting  Northing
Reference  50  424901  6307301

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

Emission :-
Frequency Band & Mode : MF-AM
Carrier Frequency : 1089 kHz

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0°</td>
<td>220 V</td>
</tr>
</tbody>
</table>
Attachment 3.1

Licence Area - MARGARET RIVER RA1
Licence Area ID - 780
Community Radio Service Licence numbers: SL10068

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>Augusta-Margaret River (S) (LGA)</td>
</tr>
<tr>
<td>Busselton (S) (LGA)</td>
</tr>
</tbody>
</table>

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

(LGA) = Local Government Area

(S) = Shire
LICENCE AREA PLAN: Bunbury Radio

Category: Community
General Area Served: Margaret River (WA)
Service Licence Number: SL10068

TECHNICAL SPECIFICATION - AM Radio

Specification Number: TS10002229

Transmitter Site:
Nominal location: Broadcast Site Taunton Farm Lot 2536 Bussell Hwy MARGARET RIVER
Australian Map Grid: Zone Easting Northing
Reference: 50 326102 6257100
Site Tolerance: Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission:
Frequency Band & Mode: MF-AM
Carrier Frequency: 1332 kHz

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Elevation</th>
<th>Maximum CMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>0°</td>
<td>220 V</td>
</tr>
</tbody>
</table>
License Area - HARVEY RA1
License Area ID - 1364
Community Radio Service Licence numbers: SL1130120

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>Dardanup (S) - Pt A (SLA)</td>
</tr>
<tr>
<td>Harvey (S) - Pt A (SLA)</td>
</tr>
<tr>
<td>WA CD 061501</td>
</tr>
<tr>
<td>WA CD 061502</td>
</tr>
<tr>
<td>WA CD 061503</td>
</tr>
<tr>
<td>WA CD 061504</td>
</tr>
<tr>
<td>WA CD 061505</td>
</tr>
<tr>
<td>WA CD 061506</td>
</tr>
<tr>
<td>WA CD 061507</td>
</tr>
<tr>
<td>WA CD 061508</td>
</tr>
<tr>
<td>WA CD 061509</td>
</tr>
<tr>
<td>WA CD 061510</td>
</tr>
<tr>
<td>WA CD 061511</td>
</tr>
<tr>
<td>WA CD 061514</td>
</tr>
<tr>
<td>WA CD 061515</td>
</tr>
<tr>
<td>WA CD 061516</td>
</tr>
<tr>
<td>WA CD 061517</td>
</tr>
<tr>
<td>WA CD 061518</td>
</tr>
<tr>
<td>WA CD 061605</td>
</tr>
<tr>
<td>WA CD 061607</td>
</tr>
<tr>
<td>WA CD 061611</td>
</tr>
<tr>
<td>WA CD 061615</td>
</tr>
<tr>
<td>WA CD 061620</td>
</tr>
</tbody>
</table>

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

(SLA) = Statistical Local Area

(CD) = Collection District

(S) = Shire
LICENCE AREA PLAN: Bunbury Radio

Category: Community
General Area Served: Harvey (WA)
Service Licence Number: SL1130120

TECHNICAL SPECIFICATION - FM Radio

Specification Number: TS1133509

**Transmitter Site:**
Nominal location: 6HRV FM Site Honeymoon Road HARVEY
Australian Map Grid: Zone 50 Easting 400273 Northing 6342984
Site Tolerance: Refer to Broadcasting Services
(Technical Planning) Guidelines 2007

**Emission:**
Frequency Band & Mode: VHF-FM
Carrier Frequency: 96.5 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>0°T - 180°T</td>
<td>10 W</td>
</tr>
<tr>
<td>180°T - 210°T</td>
<td>200 W</td>
</tr>
<tr>
<td>210°T - 270°T</td>
<td>400 W</td>
</tr>
<tr>
<td>270°T - 300°T</td>
<td>200 W</td>
</tr>
<tr>
<td>300°T - 360°T</td>
<td>10 W</td>
</tr>
</tbody>
</table>
Attachment 5.1

Licence Area - AUGUSTA RA1
Licence Area ID - 1319
Community Radio Service Licence numbers: SL1130119

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>WA CD 052304</td>
</tr>
<tr>
<td>WA CD 052306</td>
</tr>
<tr>
<td>WA CD 052307</td>
</tr>
<tr>
<td>WA CD 052308</td>
</tr>
<tr>
<td>WA CD 052310</td>
</tr>
</tbody>
</table>

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

(CD) = Collection District
Attachment 5.2

LICENCE AREA PLAN : Bunbury Radio
Category : Community
General Area Served : Augusta (WA)
Service Licence Number : SL1130119

TECHNICAL SPECIFICATION - FM Radio
Specification Number : TS1133510

Transmitter Site :-
Nominal location : Augusta Telecentre Bdg 66 Allnutt Terrace AUGUSTA
Australian Map Grid : Zone Easting Northing
Reference 50 330189 6201317
Site Tolerance : Refer to Broadcasting Services (Technical Planning) Guidelines 2007

Emission :-
Frequency Band & Mode VHF-FM
Carrier Frequency : 97.1 MHz
Polarisation Vertical
Maximum antenna height 25 m

Output Radiation Pattern :-
<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>