LICENCE AREA PLAN
SPENCER GULF
(TELEVISION)

FEBRUARY 1996
LICENCE AREA PLAN - SPENCER GULF

DETERMINATION

The Australian Broadcasting Authority hereby makes this plan for broadcasting services in the Spencer Gulf area of South Australia, under subsection 26(1) of the Broadcasting Services Act 1992.

One national or community television broadcasting service, two national television broadcasting services and one commercial television broadcasting service are to be available in the Spencer Gulf area described at Attachment 1.1 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 1.1 are set out in the Schedule and Attachments 1.2 - 1.38 to this Determination.

(Determined by the Australian Broadcasting Authority on 23 February 1996)
The Schedule sets out:

- the category of each of the services that are to be available in that area (column one),

- the service licence number which has been allocated to the service, if appropriate (column two); N/A = Not Applicable, as the Broadcasting Services Act 1992 only requires service licences for Commercial and Community services.

- the number of transmitters required to transmit the service,

- the transmitter specification number which has been allocated to each transmitter (column three),

- the identifying number of the attachment where the technical specifications for each transmitter are described (column four). (Each set of technical specifications referred to in the Schedules is an attachment to this determination).

- the general area served by each transmitter (column five).
<table>
<thead>
<tr>
<th>Category of Service</th>
<th>Service Licence No:</th>
<th>Transmitter Specification No:</th>
<th>Technical Specifications</th>
<th>General Area Served by Transmitter</th>
</tr>
</thead>
<tbody>
<tr>
<td>National or Community</td>
<td>N/A</td>
<td>TS003598</td>
<td>See attachment 1.2</td>
<td>Spencer Gulf North</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TS003626</td>
<td>See attachment 1.3</td>
<td>Burra</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TS003652</td>
<td>See attachment 1.4</td>
<td>Caralue Bluff</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TS003644</td>
<td>See attachment 1.5</td>
<td>Clare</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TS003638</td>
<td>See attachment 1.6</td>
<td>Coffin Bay</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TS003605</td>
<td>See attachment 1.7</td>
<td>Cowell</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TS003632</td>
<td>See attachment 1.8</td>
<td>Port Lincoln</td>
</tr>
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<td></td>
<td></td>
<td>TS003616</td>
<td>See attachment 1.9</td>
<td>Quorn</td>
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<td></td>
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<td>TS003611</td>
<td>See attachment 1.10</td>
<td>Tumby Bay</td>
</tr>
<tr>
<td>National</td>
<td>N/A</td>
<td>TS003592</td>
<td>See attachment 1.11</td>
<td>Spencer Gulf North</td>
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<tr>
<td></td>
<td></td>
<td>TS003622</td>
<td>See attachment 1.12</td>
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<td></td>
<td></td>
<td>TS003648</td>
<td>See attachment 1.13</td>
<td>Caralue Bluff</td>
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<td></td>
<td></td>
<td>TS003640</td>
<td>See attachment 1.14</td>
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<td></td>
<td></td>
<td>TS003636</td>
<td>See attachment 1.15</td>
<td>Coffin Bay</td>
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<td></td>
<td></td>
<td>TS003600</td>
<td>See attachment 1.16</td>
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<td></td>
<td></td>
<td>TS003629</td>
<td>See attachment 1.17</td>
<td>Port Lincoln</td>
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<td></td>
<td>TS003620</td>
<td>See attachment 1.18</td>
<td>Quorn</td>
</tr>
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<td></td>
<td></td>
<td>TS003607</td>
<td>See attachment 1.19</td>
<td>Tumby Bay</td>
</tr>
<tr>
<td>National</td>
<td>N/A</td>
<td>TS003596</td>
<td>See attachment 1.20</td>
<td>Spencer Gulf North</td>
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<tr>
<td></td>
<td></td>
<td>TS003621</td>
<td>See attachment 1.21</td>
<td>Burra</td>
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<td>TS003645</td>
<td>See attachment 1.22</td>
<td>Caralue Bluff</td>
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<td></td>
<td></td>
<td>TS003639</td>
<td>See attachment 1.23</td>
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<td>TS004672</td>
<td>See attachment 1.24</td>
<td>Coffin Bay</td>
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<td></td>
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<td>TS003602</td>
<td>See attachment 1.25</td>
<td>Cowell</td>
</tr>
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<td></td>
<td></td>
<td>TS003627</td>
<td>See attachment 1.26</td>
<td>Port Lincoln</td>
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<td></td>
<td></td>
<td>TS003613</td>
<td>See attachment 1.27</td>
<td>Quorn</td>
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<td></td>
<td>TS003606</td>
<td>See attachment 1.28</td>
<td>Tumby Bay</td>
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<tr>
<td>Commercial</td>
<td>SL010234</td>
<td>TS003593</td>
<td>See attachment 1.29</td>
<td>Spencer Gulf North</td>
</tr>
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<td></td>
<td>TS003594</td>
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<td>Spencer Gulf North</td>
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<td></td>
<td></td>
<td>TS003623</td>
<td>See attachment 1.31</td>
<td>Burra</td>
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<td>TS003646</td>
<td>See attachment 1.32</td>
<td>Caralue Bluff</td>
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<td>TS003641</td>
<td>See attachment 1.33</td>
<td>Clare</td>
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<td></td>
<td></td>
<td>TS003637</td>
<td>See attachment 1.34</td>
<td>Coffin Bay</td>
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<td></td>
<td></td>
<td>TS003601</td>
<td>See attachment 1.35</td>
<td>Cowell</td>
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<td></td>
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<td>TS003630</td>
<td>See attachment 1.36</td>
<td>Port Lincoln</td>
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<td></td>
<td></td>
<td>TS003619</td>
<td>See attachment 1.37</td>
<td>Quorn</td>
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<tr>
<td></td>
<td></td>
<td>TS003608</td>
<td>See attachment 1.38</td>
<td>Tumby Bay</td>
</tr>
</tbody>
</table>
ATTACHMENT 1.1

LICENCE AREA FOR SERVICE LICENCE NO: SL010234
COMMERCIAL TELEVISION, SPENCER GULF, SA

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 6 August 1991, is:

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Persons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blyth-Snowtown (DC)</td>
<td>2043</td>
</tr>
<tr>
<td>Burra Burra (DC)</td>
<td>2033</td>
</tr>
<tr>
<td>Bute (DC)</td>
<td>1046</td>
</tr>
<tr>
<td>Carrieton (DC)</td>
<td>197</td>
</tr>
<tr>
<td>Clare (DC)</td>
<td>3923</td>
</tr>
<tr>
<td>Cleve (DC)</td>
<td>1983</td>
</tr>
<tr>
<td>Crystal Brook-Redhill (DC)</td>
<td>2151</td>
</tr>
<tr>
<td>Franklin Harbor (DC)</td>
<td>1234</td>
</tr>
<tr>
<td>Hallett (DC)</td>
<td>628</td>
</tr>
<tr>
<td>Jamestown (DC)</td>
<td>2122</td>
</tr>
<tr>
<td>Kanyaka-Quorn (DC)</td>
<td>1402</td>
</tr>
<tr>
<td>Mount Remarkable (DC)</td>
<td>3035</td>
</tr>
<tr>
<td>Orroroo (DC)</td>
<td>950</td>
</tr>
<tr>
<td>Peterborough (M)</td>
<td>2136</td>
</tr>
<tr>
<td>Peterborough (DC)</td>
<td>383</td>
</tr>
<tr>
<td>Pirie (DC)</td>
<td>1394</td>
</tr>
<tr>
<td>Port Augusta (C)</td>
<td>14971</td>
</tr>
<tr>
<td>Port Broughton (DC)</td>
<td>1332</td>
</tr>
<tr>
<td>Port Lincoln (C)</td>
<td>11824</td>
</tr>
<tr>
<td>Port Pirie (C)</td>
<td>14413</td>
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<tr>
<td>Spalding (DC)</td>
<td>503</td>
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<td>Tumby Bay (DC)</td>
<td>2582</td>
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<tr>
<td>Wallaroo (M)</td>
<td>2272</td>
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<tr>
<td>Whyalla (C)</td>
<td>25725</td>
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<tr>
<td>Lower Eyre Peninsula (DC)</td>
<td>3705</td>
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<tr>
<td>SA CD 013401</td>
<td>74</td>
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<tr>
<td>SA CD 013402</td>
<td>292</td>
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<tr>
<td>SA CD 013403</td>
<td>118</td>
</tr>
<tr>
<td>SA CD 021201</td>
<td>7</td>
</tr>
<tr>
<td>SA CD 021202</td>
<td>0</td>
</tr>
<tr>
<td>SA CD 021203</td>
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<tr>
<td>SA CD 021204</td>
<td>7</td>
</tr>
<tr>
<td>SA CD 021205</td>
<td>0</td>
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<tr>
<td>Rocky River (DC)</td>
<td>2298</td>
</tr>
<tr>
<td>Northern Yorke Peninsula (DC)</td>
<td>7273</td>
</tr>
</tbody>
</table>

Total Persons 114062
Note:
Standard terminology used by the Australian Bureau of Statistics:

(C) = City
(CD) = Collection District
(DC) = District Council
(M) = Municipality
LICENCE AREA PLAN : Spencer Gulf

Category : National/Community
General Area Served : Spencer Gulf North (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number : TS003598

Transmitter Site :-
Nominal location : The Bluff
Australian Map Grid : Zone Easting Northing
Reference 54 235000 6332900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 653.224 MHz (Ch.46)
Polarisation Horizontal
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>At all angles of azimuth</td>
<td>950 kW</td>
</tr>
</tbody>
</table>

Federal Register of Legislative Instruments F2005B01426
**LICENCE AREA PLAN:**  Spencer Gulf  

**Category:**  National/Community  
**General Area Served:**  Burra (SA)  
**Service Licence Number:**  Not applicable  

**TECHNICAL SPECIFICATION - Television**  
**Specification Number:**  TS003626  

**Transmitter Site:**  
**Nominal location:**  Burra Stock route site  
**Australian Map Grid Reference:**  Zone 54 Easting 308900 Northing 6272000  
**Site Tolerance:**  Refer to Technical Planning Guidelines  

**Emission:**  
**Frequency Band & Mode:**  UHF Band V - TV  
**Carrier Frequency:**  807.25 MHz (Ch.68)  
**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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

Category : National/Community
General Area Served : Caralue Bluff (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number : TS003652

Transmitter Site :-
Nominal location : Caralue Bluff
Australian Map Grid : Zone Easting Northing
Reference 53 610900 6316500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 807.198 MHz (Ch.68)
Polarisation Horizontal
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>20 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

Category: National/Community
General Area Served: Clare (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number: TS003644

Transmitter Site
Nominal location: Clare, adj town water tank
Australian Map Grid: Zone Easting Northing
Reference: 54 278200 6252700
Site Tolerance: Refer to Technical Planning Guidelines

Emission
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 814.250 MHz (Ch.69)
Polarisation: Horizontal
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>

Federal Register of Legislative Instruments F2005B01426
LICENCE AREA PLAN : Spencer Gulf

Category : National/Community
General Area Served : Coffin Bay (SA)
Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number : TS003638

Transmitter Site :
Nominal location : Coffin Bay Lookout, 2km E of town
Australian Map Grid : Zone Easting Northing
Reference 53 544400 6168600
Site Tolerance : Refer to Technical Planning Guidelines

Emission :
Frequency Band & Mode UHF Band IV - TV
Carrier Frequency : 541.250 MHz (Ch.30)
Polarisation Vertical
Maximum antenna height 18 m

Output Radiation Pattern :

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>255°T - 335°T</td>
<td>20 W</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

Category: National/Community
General Area Served: Cowell (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number: TS003605

Transmitter Site:
Nominal location: Mt Olinthus
Australian Map Grid: Zone Easting Northing
Reference 53 666600 6283100
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 800.224 MHz (Ch.67)
Polarisation: Vertical
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>110 °T - 210 °T</td>
<td>4.5 kW</td>
</tr>
<tr>
<td>201 °T - 250 °T</td>
<td>15 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
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</table>
LICENCE AREA PLAN: Spencer Gulf

Category: National/Community
General Area Served: Port Lincoln (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number: TS003632

Transmitter Site:
Nominal location: Winter Hill
Australian Map Grid: Zone Easting Northing
Reference: 53 575800 6159800
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 814.250 MHz (Ch.69)
Polarisation: Horizontal
Maximum antenna height: 30 m

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

| Category : | National/Community |
| General Area Served : | Quorn (SA) |
| Service Licence Number : | Not applicable |

**TECHNICAL SPECIFICATION - Television**

| Specification Number : | TS003616 |

**Transmitter Site :-**

| Nominal location : | Quorn, 5km NNE of town |
| Australian Map Grid : | Zone Easting Northing |
| Reference | 54 222700 6422400 |
| Site Tolerance : | Refer to Technical Planning Guidelines |

**Emission :-**

| Frequency Band & Mode | UHF Band IV - TV |
| Carrier Frequency : | 555.224 MHz (Ch.32) |
| Polarisation | Horizontal |
| Maximum antenna height | 30 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>185 °T - 205 °T</td>
<td>4 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
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LICENCE AREA PLAN: Spencer Gulf

Category: National/Community
General Area Served: Tumby Bay (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number: TS003611

Transmitter Site: -
Nominal location: Borthwicks Hill
Australian Map Grid: Zone 53 Easting 587700 Northing 6198400
Site Tolerance: Refer to Technical Planning Guidelines

Emission: -
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 639.250 MHz (Ch.44)
Polarisation: Vertical
Maximum antenna height: 120 m

Output Radiation Pattern: -

<table>
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<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
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</thead>
<tbody>
<tr>
<td>90 °T - 140 °T</td>
<td>1 kW</td>
</tr>
<tr>
<td>140 °T - 90 °T</td>
<td>15 kW</td>
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</tbody>
</table>
**LICENCE AREA PLAN:**  Spencer Gulf

- **Category:** National/Community
- **General Area Served:** Spencer Gulf North (SA)
- **Service Licence Number:** Not applicable

**TECHNICAL SPECIFICATION - Television**

- **Specification Number:** TS003592

**Transmitter Site:**
- **Nominal location:** The Bluff
- **Australian Map Grid Reference:** Zone 54 Easting 235200 Northing 6333400
- **Site Tolerance:** Refer to Technical Planning Guidelines

**Emission:**
- **Frequency Band & Mode:** VHF Band I - TV
- **Carrier Frequency:** 57.250 MHz (Ch.1)
- **Polarisation:** Vertical
- **Maximum antenna height:** 130 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>200 kW</td>
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</tbody>
</table>

Federal Register of Legislative Instruments F2005B01426
LICENCE AREA PLAN : Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number : TS003622

Transmitter Site :-
Nominal location : Burra stock route site
Australian Map Grid : Zone Easting Northing
Reference 54 308900 6272000
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 723.250 MHz (Ch.56)
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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number : TS003648

Transmitter Site :-
Nominal location : Caralue Bluff
Australian Map Grid : Zone Easting Northing
Reference 53 610900 6316500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 744.198 MHz (Ch.59)
Polarisation Horizontal
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>20 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number : TS003640

Transmitter Site :-
Nominal location : Clare, adj town water tank
Australian Map Grid : Zone 54 Easting 278200 Northing 6252700
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 730.250 MHz (Ch.57)
Polarisation Horizontal
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 : Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number : TS003636

Transmitter Site :-
Nominal location : Coffin Bay Lookout

Australian Map Grid : Zone Easting Northing
Reference 53 544400 6168600

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 646.25 MHz (Ch.45)
Polarisation Vertical
Maximum antenna height 18 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>255°T – 335°T</td>
<td>20 W</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003600

Transmitter Site:
Nominal location: Mt Olinthus
Australian Map Grid: Zone 53 Easting 666600 Northing 6283000
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF Band III - TV
Carrier Frequency: 175.238 MHz (Ch.6)
Polarisation: Vertical
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>110°T – 210°T</td>
<td>1.5 kW</td>
</tr>
<tr>
<td>210°T – 250°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003629

Transmitter Site: -
Nominal location: Winter Hill
Australian Map Grid: Zone Easting Northing
Reference 53 575600 6159900
Site Tolerance: Refer to Technical Planning Guidelines

Emission: -
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 751.25 MHz (Ch.60)
Polarisation: Horizontal
Maximum antenna height: 30 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>200 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003620

Transmitter Site:
Nominal location: Quorn, 5km NNE of town
Australian Map Grid: Zone Easting Northing
Reference
54 222700 6422400
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 660.25 MHz (Ch.47)
Polarisation: Horizontal
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>185°T – 205°T</td>
<td>4 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003607

Transmitter Site:
Nominal location: Borthwicks Hill
Australian Map Grid: Zone Easting Northing
Reference 53 587700 6198400
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band IV - TV
Carrier Frequency: 555.25 MHz (Ch.32)
Polarisation: Vertical
Maximum antenna height: 120 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°T - 140°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>140°T - 90°T</td>
<td>15 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

Category: National
General Area Served: Spencer Gulf North (SA)
Service Licence Number: Not applicable

TECHNICAL SPECIFICATION - Television
Specification Number: TS003596

Transmitter Site:
Nominal location: The Bluff
Australian Map Grid: Zone Easting Northing
Reference 54 235000 6332900
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 611.224 MHz (Ch.40)
Polarisation: Horizontal
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>At all angles of azimuth</td>
<td>950 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003621

Transmitter Site:
Nominal location: Burra stock route site
Australian Map Grid: Zone Easting Northing
Reference 54 308900 6272000
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 702.250 MHz (Ch.53)
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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number : TS003645

Transmitter Site :-
Nominal location : Caralue Bluff
Australian Map Grid : Zone Easting Northing
Reference 53 610900 6316500
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band V - TV
Carrier Frequency : 702.198 MHz (Ch.53)
Polarisation Horizontal
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>20 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003639

Transmitter Site: -
Nominal location: Clare, adj to town water tank
Australian Map Grid: Zone Easting Northing
Reference: 54 278200 6252700
Site Tolerance: Refer to Technical Planning Guidelines

Emission: -
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 709.250 MHz (Ch.54)
Polarisation: Horizontal
Maximum antenna height: 30 m

Output Radiation Pattern: -

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

Federal Register of Legislative Instruments F2005B01426
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS004672

Transmitter Site: -
Nominal location: Coffin Bay Lookout, 2km E of town

Australian Map Grid: Zone Easting Northing
Reference 53 544400 6168600

Site Tolerance: Refer to Technical Planning Guidelines

Emission: -
Frequency Band & Mode: UHF Band IV - TV
Carrier Frequency: 562.250 MHz (Ch.33)
Polarisation: Vertical
Maximum antenna height: 18 m

Output Radiation Pattern: -

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>255 °T - 335 °T</td>
<td>20 W</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003602

Transmitter Site:
Nominal location: Mt Olinthus
Australian Map Grid: Zone 53 Easting 666600 Northing 6283100
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 737.224 MHz (Ch.58)
Polarisation: Vertical
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>110°T - 210°T</td>
<td>4.5 kW</td>
</tr>
<tr>
<td>210°T - 250°T</td>
<td>15 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003627

Transmitter Site:
Nominal location: Winter Hill
Australian Map Grid: Zone Easting Northing
Reference 53 575800 6159800
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 709.25 MHz (Ch.54)
Polarisation: Horizontal
Maximum antenna height: 30 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number : TS003613

Transmitter Site :-
Nominal location : Quorn, 5km NNE of town
Australian Map Grid : Zone Easting Northing
Reference 54 222700 6422400
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band IV - TV
Carrier Frequency : 576.224 MHz (Ch.35)
Polarisation Horizontal
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>185 °T - 205 °T</td>
<td>4 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

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

TECHNICAL SPECIFICATION - Television
Specification Number: TS003606

Transmitter Site:
Nominal location: Bortwicks Hill
Australian Map Grid: Zone Easting Northing
Reference: 53 587700 6198400
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band IV - TV
Carrier Frequency: 534.25 MHz (Ch.29)
Polarisation: Vertical
Maximum antenna height: 120 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°T - 140°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>140°T - 90°T</td>
<td>15 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

Category: Commercial
General Area Served: Spencer Gulf North (SA)
Service Licence Number: SL010234

TECHNICAL SPECIFICATION - Television
Specification Number: TS003593

Transmitter Site:
Nominal location: The Bluff
Australian Map Grid: Zone Easting Northing
Reference 54 235200 6333400
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: VHF Band II - TV
Carrier Frequency: 95.25 MHz (Ch.4)
Polarisation: Vertical
Maximum antenna height: 155 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 kW</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

Category : National
General Area Served : Spencer Gulf North (SA)
Service Licence Number : SL010234

TECHNICAL SPECIFICATION - Television
Specification Number : TS003594

Transmitter Site :-
Nominal location : The Bluff
Australian Map Grid : Zone Easting Northing
Reference 54 235000 6332900
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode UHF Band IV - TV
Carrier Frequency : 569.224 MHz (Ch.34)
Polarisation Horizontal
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>At all angles of azimuth</td>
<td>950 kW</td>
</tr>
</tbody>
</table>

Federal Register of Legislative Instruments F2005B01426
LICENCE AREA PLAN: Spencer Gulf

Category: Commercial
General Area Served: Burra (SA)
Service Licence Number: SL010234

TECHNICAL SPECIFICATION - Television
Specification Number: TS003623

Transmitter Site:
Nominal location: Burra stock route site
Australian Map Grid: Zone Easting Northing
Reference 54 308800 6271900
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 744.250 MHz (Ch.59)
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>500 W</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

Category: National
General Area Served: Caralue Bluff (SA)
Service Licence Number: SL010234

TECHNICAL SPECIFICATION - Television
Specification Number: TS003646

Transmitter Site:
Nominal location: Caralue Bluff
Australian Map Grid:
Reference: Zone Easting Northing
53 610900 6316500
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 723.198 MHz (Ch.56)
Polarisation: Horizontal
Maximum antenna height: 40 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 °T - 200 °T</td>
<td>20 kW</td>
</tr>
<tr>
<td>200 °T - 220 °T</td>
<td>10 kW</td>
</tr>
<tr>
<td>220 °T - 250 °T</td>
<td>5 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN: Spencer Gulf

Category: Commercial
General Area Served: Clare (SA)
Service Licence Number: SL010234

TECHNICAL SPECIFICATION - Television
Specification Number: TS003641

Transmitter Site:
Nominal location: Clare, adj town water tank
Australian Map Grid: Zone Easting Northing
Reference 54 278200 6252700
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 751.25 MHz (Ch.60)
Polarisation: Horizontal
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: Spencer Gulf

Category: Commercial
General Area Served: Coffin Bay (SA)
Service Licence Number: SL010234

TECHNICAL SPECIFICATION - Television
Specification Number: TS003637

Transmitter Site:
Nominal location: Coffin Bay Lookout, 2km E of town
Australian Map Grid: Zone Easting Northing
Reference: 53 54400 6168600
Site Tolerance: Refer to Technical Planning Guidelines

Emission:
Frequency Band & Mode: UHF Band V - TV
Carrier Frequency: 667.25 MHz (Ch.48)
Polarisation: Vertical
Maximum antenna height: 18 m

Output Radiation Pattern:

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>255°T – 335°T</td>
<td>20 W</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
**LICENCE AREA PLAN:**  
Spencer Gulf

- **Category:** Commercial  
- **General Area Served:** Cowell (SA)  
- **Service Licence Number:** SL010234

**TECHNICAL SPECIFICATION - Television**

- **Specification Number:** TS010694

**Transmitter Site**

- **Nominal location:** Mt Olinthus
- **Australian Map Grid:** Zone 53 Easting 666600 Northing 6283100
- **Site Tolerance:** Refer to Technical Planning Guidelines

**Emission**

- **Frequency Band & Mode:** VHF Band III - TV
- **Carrier Frequency:** 189.24 MHz (Ch.8)
- **Polarisation:** Vertical
- **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>110°T – 210°T</td>
<td>1.5 kW</td>
</tr>
<tr>
<td>210°T - 250°T</td>
<td>5 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Minimum practicable</td>
</tr>
</tbody>
</table>
LICENCE AREA PLAN : Spencer Gulf

Category : Commercial
General Area Served : Port Lincoln (SA)
Service Licence Number : SL010234

TECHNICAL SPECIFICATION - Television
Specification Number : TS003630

Transmitter Site :-
Nominal location : Winter Hill
Australian Map Grid : Zone 53  Easting 575800  Northing 6159800
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-
Frequency Band & Mode : UHF Band V - TV
Carrier Frequency : 772.250 MHz (Ch.63)
Polarisation : Horizontal
Maximum antenna height : 30 m

Output Radiation Pattern :-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>At all angles of azimuth</td>
<td>200 W</td>
</tr>
</tbody>
</table>
 комнаты в стране: Спенсер Гульф

Категория: Коммерческий
Область обслуживания: Йорн (СА)
Номер лицензии: SL010234

Техническая спецификация - Телевидение
Номер спецификации: TS003619

Transmitter Site :
Номинальное место: Йорн, 5 км к северо-востоку от города
Место на карте Австралии: Зона Область 54 222700 6422400
Терпимость сайта: См. Гайды по техническому планированию

Эмиссия :
Банк и мод: Банк V - TV
Частота несущей: 639.25 МГц (канал 44)
Поляризация: Горизонтальная
Максимальная высота антенны: 30 м

Output Radiation Pattern :

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>185°T – 205°T</td>
<td>4 kW</td>
</tr>
<tr>
<td>Elsewhere</td>
<td>Минимально практикуемое</td>
</tr>
</tbody>
</table>

Специальный условие:--

Этот сервис разрешен к передаче с минимальным ERP в 200 Вт основного аркада.
Attachment 1.38

LICENCE AREA PLAN: Spencer Gulf

Category: Commercial
General Area Served: Tumby Bay (SA)
Service Licence Number: SL010234

TECHNICAL SPECIFICATION - Television
Specification Number: TS003608

Transmitter Site:-
Nominal location: Borthwicks Hill
Australian Map Grid: Zone 53 Easting 587700 Northing 6198400
Site Tolerance: Refer to Technical Planning Guidelines

Emission:-
Frequency Band & Mode: UHF Band IV - TV
Carrier Frequency: 576.25 MHz (Ch.35)
Polarisation: Vertical
Maximum antenna height: 120 m

Output Radiation Pattern:-

<table>
<thead>
<tr>
<th>Bearing or Sector (Clockwise direction)</th>
<th>Maximum ERP</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°T - 140°T</td>
<td>1 kW</td>
</tr>
<tr>
<td>140°T - 90°T</td>
<td>15 kW</td>
</tr>
</tbody>
</table>