



**Australian  
Broadcasting  
Authority**

# **LICENCE AREA PLAN**

## **PERTH TELEVISION**

**FEBRUARY 1997**

# **LICENCE AREA PLAN - PERTH TELEVISION**

## **DETERMINATION**

The Australian Broadcasting Authority hereby makes this plan for television broadcasting services in the Perth area of Western Australia, under subsection 26(1) of the *Broadcasting Services Act 1992*.

One national or community television broadcasting service, two national television broadcasting services and three commercial television broadcasting services are to be available in the 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 1.1 - 1.31 to this Determination.

Dated: 21 February 1997

## **SCHEDULES**

Each of the Schedules 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).

## SCHEDULE ONE

Licence Area Plan - Perth Television - February 1997

Licence Area - Perth TV1

| Category of Service | Service Licence No: | Transmitter Specification No: | Technical Specifications | General Area Served by Transmitter |
|---------------------|---------------------|-------------------------------|--------------------------|------------------------------------|
| Nat/Cmty            | N/A                 | TS10003277                    | See attachment 1.2       | Perth                              |
|                     |                     | TS10003283                    | See attachment 1.3       | Lancelin                           |
|                     |                     | TS10003289                    | See attachment 1.4       | Maryville                          |
|                     |                     | TS10003295                    | See attachment 1.5       | Roleystone                         |
|                     |                     | TS10003297                    | See attachment 1.6       | Toodyay                            |
| National            | N/A                 | TS10003272                    | See attachment 1.7       | Perth                              |
| (ABC)               |                     | TS10003278                    | See attachment 1.8       | Lancelin                           |
|                     |                     | TS10003285                    | See attachment 1.9       | Maryville                          |
|                     |                     | TS10003291                    | See attachment 1.10      | Roleystone                         |
|                     |                     | TS10003298                    | See attachment 1.11      | Toodyay                            |
| National            | N/A                 | TS10003276                    | See attachment 1.12      | Perth                              |
| (SBS)               |                     | TS10003282                    | See attachment 1.13      | Lancelin                           |
|                     |                     | TS10003284                    | See attachment 1.14      | Maryville                          |
|                     |                     | TS10003290                    | See attachment 1.15      | Roleystone                         |
|                     |                     | TS10003296                    | See attachment 1.16      | Toodyay                            |
| Commercial          | SL10161             | TS10003273                    | See attachment 1.17      | Perth                              |
| (TVW)               |                     | TS10003279                    | See attachment 1.18      | Lancelin                           |
|                     |                     | TS10003286                    | See attachment 1.19      | Maryville                          |
|                     |                     | TS10003292                    | See attachment 1.20      | Roleystone                         |
|                     |                     | TS10003300                    | See attachment 1.21      | Toodyay                            |
| Commercial          | SL10162             | TS10003274                    | See attachment 1.22      | Perth                              |
| (STW)               |                     | TS10003280                    | See attachment 1.23      | Lancelin                           |
|                     |                     | TS10003287                    | See attachment 1.24      | Maryville                          |
|                     |                     | TS10003293                    | See attachment 1.25      | Roleystone                         |
|                     |                     | TS10003301                    | See attachment 1.26      | Toodyay                            |
| Commercial          | SL10163             | TS10003275                    | See attachment 1.27      | Perth                              |
| (NEW)               |                     | TS10003281                    | See attachment 1.28      | Lancelin                           |
|                     |                     | TS10003288                    | See attachment 1.29      | Maryville                          |
|                     |                     | TS10003294                    | See attachment 1.30      | Roleystone                         |
|                     |                     | TS10003303                    | See attachment 1.31      | Toodyay                            |

**ATTACHMENT 1.1****LICENCE AREA FOR SERVICE LICENCE NOS: SL10161, SL10162, SL10163  
COMMERCIAL TELEVISION, PERTH TV1**

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

| Area Description | Persons |
|------------------|---------|
| Perth (SD)       | 1143378 |
| Chittering (S)   | 1922    |
| Gingin (S)       | 2708    |
| Mandurah (C)     | 26860   |
| Murray (S)       | 8182    |
| Toodyay (S)      | 2473    |
| WA CD 041701     | 144     |
| WA CD 041103     | 579     |
| WA CD 041104     | 596     |
| WA CD 041105     | 713     |
| WA CD 041106     | 277     |
| WA CD 041107     | 189     |
| WA CD 042102     | 142     |
| WA CD 041601     | 167     |
| WA CD 041605     | 245     |
| Total Persons    | 1188575 |

**Note:**

Standard terminology used by the Australian Bureau of Statistics:

|      |   |                      |
|------|---|----------------------|
| (C)  | = | City                 |
| (CD) | = | Collection District  |
| (S)  | = | Shire                |
| (SD) | = | Statistical Division |

## LICENCE AREA PLAN : Perth

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

## TECHNICAL SPECIFICATION - Television

Specification Number : TS10003272

## Transmitter Site :-

Nominal location : Television Road, Bickley

Australian Map Grid : Zone Easting Northing  
Reference 50 413397 6457863

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      VHF Band I - TV

Carrier Frequency : 64.25 MHz (Ch.2)  
Polarisation Horizontal

Maximum antenna height 80 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 200 kW      |

## LICENCE AREA PLAN : Perth

Category : Commercial

General Area Served : Perth (WA)

Service Licence Number : SL10161

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003273

## Transmitter Site :-

Nominal location : TVW7 Mast Television Road, Bickley

Australian Map Grid : Zone 50 Easting 413360 Northing 6458127 Reference

Site Tolerance : Refer to Technical Planning Guidelines

## Emission :-

Carrier Frequency : 182.25 MHz (Ch.7)  
Polarisation Horizontal

Maximum antenna height 140 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 200 kW      |

## LICENCE AREA PLAN : Perth

Category : Commercial

General Area Served : Perth (WA)

Service Licence Number : SL10162

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003274

## Transmitter Site :-

Nominal location : STW9 Mast, Lawnbrook Road, Walliston

Australian Map Grid : Zone 50 Easting 412224 Northing 6459268  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

## Emission :-

Carrier Frequency : 196.25 MHz (Ch.9)  
Polarisation Horizontal

Maximum antenna height 165 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 200 kW      |

## LICENCE AREA PLAN : Perth

Category : Commercial

General Area Served : Perth (WA)

Service Licence Number : SL10163

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003275

## **Transmitter Site :-**

Nominal location : Carmel

Australian Map Grid : Zone 50 Easting 411204 Northing 6457603  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

## **Emission :-**

Carrier Frequency : 209.24 MHz (Ch.10)  
Polarisation Horizontal

Maximum antenna height 170 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 200 kW      |

## **LICENCE AREA PLAN : Perth**

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003276

## **Transmitter Site :-**

Nominal location : Television Road, Bickley

Australian Map Grid : Zone 50 Easting 413397 Northing 6457863  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

## **Emission :-**

Carrier Frequency : 527.198 MHz (Ch.28)  
Polarisation Horizontal

Maximum antenna height 125 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 600 kW      |

## LICENCE AREA PLAN : Perth

Category : National / Community

General Area Served : Perth (WA)

Service Licence Number : Not applicable

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003277

## **Transmitter Site :-**

Nominal location : Television Road, Bickley

Australian Map Grid : Zone 50 Easting 413397 Northing 6457863  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### **Emission :-**

Carrier Frequency : 548.198 MHz (Ch.31)  
Polarisation Horizontal

Maximum antenna height 125 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 600 kW      |

## LICENCE AREA PLAN : Perth

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

## TECHNICAL SPECIFICATION - Television

Specification Number : TS10003278

## Transmitter Site :-

Nominal location : TV Translator Site, Sports Complex, 3km south of Lancelin

Australian Map Grid : Zone 50 Easting 342000 Northing 6563700  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

Carrier Frequency : 702.224 MHz (Ch.53)  
Polarisation Horizontal

Maximum antenna height 60 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 20°T                                 | 300 W       |
| 20°T - 160°T                               | 950 W       |
| 160°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Lancelin (WA)  
Service Licence Number : SL10161

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003279

## Transmitter Site :-

Nominal location : TV Translator Site, Sports Complex, 3km south of Lancelin

Australian Map Grid : Zone 50 Easting 342000 Northing 6563700  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

## Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 723.224 MHz (Ch.56)  
Polarisation Horizontal

Maximum antenna height 60 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 20°T                                 | 300 W       |
| 20°T - 160°T                               | 950 W       |
| 160°T - 360°T                              | 300 W       |

**LICENCE AREA PLAN : Perth**

Category : Commercial  
General Area Served : Lancelin (WA)  
Service Licence Number : SL10162

**TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003280

**Transmitter Site :-**

Nominal location : TV Translator Site, Sports Complex, 3km south of Lancelin

Australian Map Grid : Zone      Easting      Northing  
Reference                            50            342000      6563700

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode                            UHF Band V - TV

Carrier Frequency : 744.224 MHz (Ch.59)  
Polarisation    Horizontal

Maximum antenna height                            60 m

**Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 20°T                                 | 300 W       |
| 20°T - 160°T                               | 950 W       |
| 160°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Lancelin (WA)  
Service Licence Number : SL10163

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003281

## Transmitter Site :-

Nominal location : TV Translator Site, Sports Complex, 3km south of Lancelin

Australian Map Grid : Zone 50 Easting 342000 Northing 6563700  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 765.224 MHz (Ch.62)  
Polarisation Horizontal

Maximum antenna height 60 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 20°T                                 | 300 W       |
| 20°T - 160°T                               | 950 W       |
| 160°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003282

## Transmitter Site :-

Nominal location : TV Translator Site, Sports Complex, 3km south of Lancelin

Australian Map Grid : Zone 50 Easting 342000 Northing 6563700  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 786.224 MHz (Ch.65)  
Polarisation Horizontal

Maximum antenna height 60 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 20°T                                 | 300 W       |
| 20°T - 160°T                               | 950 W       |
| 160°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : National / Community

General Area Served : Lancelin (WA)

Service Licence Number : Not applicable

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003283

## Transmitter Site :-

Nominal location : TV Translator Site, Sports Complex, 3km south of Lancelin

Australian Map Grid : Zone 50 Easting 342000 Northing 6563700  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 807.224 MHz (Ch.68)  
Polarisation Horizontal

Maximum antenna height 60 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 20°T                                 | 300 W       |
| 20°T - 160°T                               | 950 W       |
| 160°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003284

## Transmitter Site :-

Nominal location : Maryville, Muchea East Road

Australian Map Grid : Zone 50 Easting 410200 Northing 6507200  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

## Emission :-

Carrier Frequency : 702.198 MHz (Ch.53)  
Polarisation Horizontal

Maximum antenna height 20 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 40 W        |

## **LICENCE AREA PLAN : Perth**

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003285

## Transmitter Site :-

Nominal location : Maryville, Muchea East Road

Australian Map Grid : Zone 50 Easting 410200 Northing 6507200 Reference

Site Tolerance : Refer to Technical Planning Guidelines

## **Emission :-**

Carrier Frequency : 723.198 MHz (Ch.56)  
Polarisation Horizontal

Maximum antenna height 20 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 40 W        |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Maryville (WA)  
Service Licence Number : SL10161

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003286

## Transmitter Site :-

Nominal location : Maryville, Muchea East Road

Australian Map Grid : Zone 50 Easting 410200 Northing 6507200 Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

Carrier Frequency : 744.198 MHz (Ch.59)  
Polarisation Horizontal

Maximum antenna height 20 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 40 W        |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Maryville (WA)  
Service Licence Number : SL10162

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003287

## **Transmitter Site :-**

Nominal location : Maryville, Muchea East Road

Australian Map Grid : Zone 50 Easting 410200 Northing 6507200 Reference

Site Tolerance : Refer to Technical Planning Guidelines

## **Emission :-**

Carrier Frequency : 765.198 MHz (Ch.62)  
Polarisation Horizontal

Maximum antenna height 20 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 40 W        |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Maryville (WA)  
Service Licence Number : SL10163

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003288

## **Transmitter Site :-**

Nominal location : Maryville, Muchea East Road

Australian Map Grid : Zone 50 Easting 410200 Northing 6507200 Reference

Site Tolerance : Refer to Technical Planning Guidelines

## **Emission :-**

Carrier Frequency : 786.198 MHz (Ch.65)  
Polarisation Horizontal

Maximum antenna height 20 m

## **Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 40 W        |

**LICENCE AREA PLAN : Perth**

Category : National / Community

General Area Served : Maryville (WA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003289

**Transmitter Site :-**

Nominal location : Maryville, Muchea East Road

Australian Map Grid : Zone      Easting      Northing  
Reference                    50            410200      6507200

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      20 m

**Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 360°T                                | 40 W        |

## LICENCE AREA PLAN : Perth

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003290

## **Transmitter Site :-**

Nominal location : Bedfordale, Lot 10, Canns Rd

Australian Map Grid : Zone Easting Northing  
Reference 50 410202 6443803

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 709.224 MHz (Ch.54)  
Polarisation Horizontal

Maximum antenna height 60 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 90°T                                 | 300 W       |
| 90°T - 220°T                               | 160 W       |
| 220°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

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

## TECHNICAL SPECIFICATION - Television

Specification Number : TS10003291

### Transmitter Site :-

Nominal location : Bedfordale, Lot 10, Canns Rd

Australian Map Grid : Zone 50 Easting 410202 Northing 6443803 Reference

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 60 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 90°T                                 | 300 W       |
| 90°T - 220°T                               | 160 W       |
| 220°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Roleystone (WA)  
Service Licence Number : SL10161

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003292

## Transmitter Site :-

Nominal location : Bedfordale, Lot 10, Canns Rd

Australian Map Grid : Zone 50 Easting 410202 Northing 6443803 Reference

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 60 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 90°T                                 | 300 W       |
| 90°T - 220°T                               | 160 W       |
| 220°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Roleystone (WA)  
Service Licence Number : SL10162

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003293

## Transmitter Site :-

Nominal location : Bedfordale, Lot 10, Canns Rd

Australian Map Grid : Zone Easting Northing  
Reference 50 410202 6443803

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 60 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 90°T                                 | 300 W       |
| 90°T - 220°T                               | 160 W       |
| 220°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Roleystone (WA)  
Service Licence Number : SL10163

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003294

## **Transmitter Site :-**

Nominal location : Bedfordale, Lot 10, Canns Rd

Australian Map Grid : Zone 50 Easting 410202 Northing 6443803 Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

Carrier Frequency : 793.224 MHz (Ch.66)  
Polarisation Horizontal

Maximum antenna height 60 m

### Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 90°T                                 | 300 W       |
| 90°T - 220°T                               | 160 W       |
| 220°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

Category : National / Community

General Area Served : Roleystone (WA)

Service Licence Number : Not applicable

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003295

## Transmitter Site :-

Nominal location : Bedfordale, Lot 10, Canns Rd

Australian Map Grid : Zone 50 Easting 410202 Northing 6443803 Reference

Site Tolerance : Refer to Technical Planning Guidelines

## Emission :-

Carrier Frequency : 814.224 MHz (Ch.69)  
Polarisation Horizontal

Maximum antenna height 60 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 90°T                                 | 300 W       |
| 90°T - 220°T                               | 160 W       |
| 220°T - 360°T                              | 300 W       |

## LICENCE AREA PLAN : Perth

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003296

## Transmitter Site :-

Nominal location : 3km NW of town, Toodyay

Australian Map Grid : Zone 50 Easting 449500 Northing 6508000  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band IV - TV

Carrier Frequency : 569.198 MHz (Ch.34)  
Polarisation Horizontal

Maximum antenna height 50 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 110°T                                | 50 W        |
| 110°T - 270°T                              | 20 W        |
| 270°T - 360°T                              | 50 W        |

**LICENCE AREA PLAN : Perth**

Category : National / Community

General Area Served : Toodyay (WA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003297

**Transmitter Site :-**

Nominal location : 3km NW of town, Toodyay

Australian Map Grid : Zone      Easting      Northing  
Reference                    50            449500      6508000

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode                            UHF Band V - TV

Carrier Frequency : 590.198 MHz (Ch.37)  
Polarisation    Horizontal

Maximum antenna height                            50 m

**Output Radiation Pattern :-**

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 110°T                                | 50 W        |
| 110°T - 270°T                              | 20 W        |
| 270°T - 360°T                              | 50 W        |

## LICENCE AREA PLAN : Perth

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

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003298

## **Transmitter Site :-**

Nominal location : 3km NW of town, Toodyay

Australian Map Grid : Zone 50 Easting 449500 Northing 6508000  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 611.198 MHz (Ch.40)  
Polarisation Horizontal

Maximum antenna height 50 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 110°T                                | 50 W        |
| 110°T - 270°T                              | 20 W        |
| 270°T - 360°T                              | 50 W        |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Toodyay (WA)  
Service Licence Number : SL10161

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003300

## Transmitter Site :-

Nominal location : 3km NW of town, Toodyay

Australian Map Grid : Zone 50 Easting 449500 Northing 6508000  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

## Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 632.198 MHz (Ch.43)  
Polarisation Horizontal

Maximum antenna height 50 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 110°T                                | 50 W        |
| 110°T - 270°T                              | 20 W        |
| 270°T - 360°T                              | 50 W        |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Toodyay (WA)  
Service Licence Number : SL10162

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003301

## Transmitter Site :-

Nominal location : 3km NW of town, Toodyay

Australian Map Grid : Zone 50 Easting 449500 Northing 6508000  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 653.198 MHz (Ch.46)  
Polarisation Horizontal

Maximum antenna height 50 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 110°T                                | 50 W        |
| 110°T - 270°T                              | 20 W        |
| 270°T - 360°T                              | 50 W        |

## LICENCE AREA PLAN : Perth

Category : Commercial  
General Area Served : Toodyay (WA)  
Service Licence Number : SL10163

## **TECHNICAL SPECIFICATION - Television**

Specification Number : TS10003303

## Transmitter Site :-

Nominal location : 3km NW of town, Toodyay

Australian Map Grid : Zone 50 Easting 449500 Northing 6508000  
Reference

Site Tolerance : Refer to Technical Planning Guidelines

### Emission :-

## Frequency Band & Mode      UHF Band V - TV

Carrier Frequency : 674.198 MHz (Ch.49)  
Polarisation Horizontal

Maximum antenna height 50 m

## Output Radiation Pattern :-

| Bearing or Sector<br>(Clockwise direction) | Maximum ERP |
|--|-------------|
| 0°T - 110°T                                | 50 W        |
| 110°T - 270°T                              | 20 W        |
| 270°T - 360°T                              | 50 W        |