



**Australian
Broadcasting
Authority**

LICENCE AREA PLAN HAMILTON RADIO

DECEMBER 2001

LICENCE AREA PLAN – HAMILTON RADIO – DECEMBER 2001

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

Ten national radio broadcasting services, two commercial radio broadcasting services and three open narrowcasting radio 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 Schedule One and Attachments 1.2 - 1.16 to this Determination.

One community radio service is to be available in the area described at Attachment 2.1 to this Determination with the use of the broadcasting services bands. The characteristics, including technical specifications, of the service that is to be available in the area described at Attachment 2.1 are set out in Schedule Two and Attachment 2.2 to this Determination.

(Determined by the Australian Broadcasting Authority on 13 December 2001)

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 status of the service (column two) does not form part of the licence area plan decision and is included for reference only.
- The frequency for each transmitter (column three) does not form part of the licence area plan decision and is included for reference only.
- the service licence number which has been allocated to the service, if appropriate (column four); 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 five),
- the identifying number of the attachment where the technical specifications for each transmitter are described (column six). (Each set of technical specifications referred to in the Schedules is an attachment to this determination).
- the general area served by each transmitter (column seven).

Status Column

Licensed	:	service is already licensed
Available	:	new licence available for allocation
Proposed	:	transmitter for existing broadcasting service licence
Alternative	:	alternative channel proposed for licensed service
Reserved	:	capacity reserved for a national or community service in accordance with Ministerial notification

Frequency Column

- The frequency shown is the centre frequency of the channel.

The information in the frequency column is provided as additional information to the licence area plan, and is accurate as at the date of publication.

SCHEDULE ONE

Licence Area Plan : Hamilton Radio - December 2001

Licence Area : HAMILTON RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
National	Licensed Reserved	96.9 MHz	N/A	TS3324001	1.2	Portland
National	Proposed Reserved	97.7 MHz	N/A	TS6759001	1.3	Portland
National	Alternate Reserved	98.5 MHz	N/A	TS3925601	1.4	Portland
National	Proposed Reserved	106.5 MHz	N/A	TS3067001	1.5	Portland
National	Proposed Reserved	107.3 MHz	N/A	TS6758001	1.6	Portland
National	Proposed Reserved	91.7 MHz	N/A	TS6479001	1.7	Western Victoria
National	Proposed Reserved	92.5 MHz	N/A	TS6480001	1.8	Western Victoria
National	Licensed Reserved	93.3 MHz	N/A	TS3015001	1.9	Western Victoria
National	Licensed Reserved	94.1 MHz	N/A	TS3324002	1.10	Western Victoria
National	Licensed Reserved	94.9 MHz	N/A	TS7601001	1.11	Western Victoria
Commercial	Licensed	981 kHz	SL4152	TS4152001	1.12	Hamilton
Commercial	Proposed	88.9 MHz	SL1150773	TS10010709	1.13	Hamilton
Open Narrowcasting	Available	102.1 MHz	N/A	TS6478001	1.14	Hamilton
Open Narrowcasting	Available	104.5 MHz	N/A	TS7446001	1.15	Casterton
Open Narrowcasting	Available	105.3 MHz	N/A	TS10011114	1.16	Portland

SCHEDULE TWO

Licence Area Plan : Hamilton Radio - December 2001

Licence Area : PORTLAND RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
Community	Licensed	99.3 MHz	SL3067	TS3067601	2.2	Portland

LICENCE AREA FOR SERVICE LICENCE NUMBERS: SL4152, SL1150773**HAMILTON COMMERCIAL RADIO**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 6 August 1996, is:

Area Description	Area Description
Southern Grampians (S)	VIC CD 2091311
Glenelg (S) - Portland	VIC CD 2091803
Moyne (S) - North-West	VIC CD 2091702
VIC CD 2091801	VIC CD 2091902
VIC CD 2091302	VIC CD 2091309
VIC CD 2091305	VIC CD 2091102
VIC CD 2091105	VIC CD 2091312
VIC CD 2091301	VIC CD 2091202
VIC CD 2091306	VIC CD 2091203
VIC CD 2091106	VIC CD 2091804
VIC CD 2091307	VIC CD 2091805
VIC CD 2091104	VIC CD 2091108
VIC CD 2091802	VIC CD 2091101
VIC CD 2091704	VIC CD 2091205
VIC CD 2091703	VIC CD 2091204
VIC CD 2091807	VIC CD 2091806
VIC CD 2091103	VIC CD 2091701
VIC CD 2091303	VIC CD 2090111
VIC CD 2091308	

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District
 (S) = Shire

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : National

General Area Served : Portland (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS3324001

Transmitter Site :-

Nominal location : Mt Clay

Australian Map Grid : Zone Easting Northing
Reference 54 561460 5769720

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 96.9 MHz

Polarisation Mixed

Maximum antenna height 34 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	2.6 kW
40°T - 180°T	800 W
180°T - 360°T	2.6 kW

LICENCE AREA PLAN :Hamilton Radio - December 2001

Category : National

General Area Served : Portland (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS6759001

Transmitter Site :-

Nominal location : Mt Clay

Australian Map Grid : Zone Easting Northing
Reference 54 561460 5769720

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 97.7 MHz

Polarisation Mixed

Maximum antenna height 34 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	2.6 kW
40°T - 180°T	800 W
180°T - 360°T	2.6 kW

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : National

General Area Served : Portland (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS3925601

Transmitter Site :-

Nominal location : Mt Clay

Australian Map Grid : Zone Easting Northing
Reference 54 561460 5769720

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 98.5 MHz

Polarisation Mixed

Maximum antenna height 34 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	2.6 kW
40°T - 180°T	800 W
180°T - 360°T	2.6 kW

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : National

General Area Served : Portland (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS3067001

Transmitter Site :-

Nominal location : Mt Clay

Australian Map Grid : Zone Easting Northing
Reference 54 561460 5769720

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 106.5 MHz

Polarisation Mixed

Maximum antenna height 34 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	2.6 kW
40°T - 180°T	800 W
180°T - 360°T	2.6 kW

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : National

General Area Served : Portland (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS6758001

Transmitter Site :-

Nominal location : Mt Clay

Australian Map Grid : Zone Easting Northing
Reference 54 561460 5769720

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 107.3 MHz

Polarisation Mixed

Maximum antenna height 34 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	2.6 kW
40°T - 180°T	800 W
180°T - 360°T	2.6 kW

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : National

General Area Served : Western Victoria (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS6479001

Transmitter Site :-

Nominal location : Mt Dundas

Australian Map Grid : Zone Easting Northing
Reference 54 580896 5853658

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 91.7 MHz

Polarisation Mixed

Maximum antenna height 105 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 75°T	80 kW
75°T - 230°T	40 kW
230°T - 360°T	80 kW

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : National

General Area Served : Western Victoria (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS6480001

Transmitter Site :-

Nominal location : Mt Dundas

Australian Map Grid : Zone Easting Northing
Reference 54 580896 5853658

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 92.5 MHz

Polarisation Mixed

Maximum antenna height 105 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 75°T	80 kW
75°T - 230°T	40 kW
230°T - 360°T	80 kW

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : National

General Area Served : Western Victoria (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS3015001

Transmitter Site :-

Nominal location : Mt Dundas

Australian Map Grid : Zone Easting Northing
Reference 54 580896 5853658

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 93.3 MHz

Polarisation Mixed

Maximum antenna height 105 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 75°T	80 kW
75°T - 230°T	40 kW
230°T - 360°T	80 kW

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : National

General Area Served : Western Victoria (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS3324002

Transmitter Site :-

Nominal location : Mt Dundas

Australian Map Grid : Zone Easting Northing
Reference 54 580896 5853658

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 94.1 MHz

Polarisation Mixed

Maximum antenna height 105 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 75°T	80 kW
75°T - 230°T	40 kW
230°T - 360°T	80 kW

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : National

General Area Served : Western Victoria (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS7601001

Transmitter Site :-

Nominal location : Mt Dundas

Australian Map Grid : Zone Easting Northing
Reference 54 580896 5853658

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 94.9 MHz

Polarisation Mixed

Maximum antenna height 105 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 75°T	80 kW
75°T - 230°T	40 kW
230°T - 360°T	80 kW

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : Commercial

General Area Served : Hamilton (VIC)

Service Licence Number : SL4152

TECHNICAL SPECIFICATION - AM Radio

Specification Number : TS4152001

Transmitter Site :-

Nominal location : Hamilton

Australian Map Grid :	Zone	Easting	Northing
Reference	54	589800	5828513

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode MF-AM

Carrier Frequency : 981 kHz

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum CMF
At all angles of azimuth	440 V

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : Commercial

General Area Served : Hamilton (VIC)

Service Licence Number : SL1150773

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10010709

Transmitter Site :-

Nominal location : Mt Bainbridge

Australian Map Grid : Zone Easting Northing
Reference 54 589820 5828615

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 88.9 MHz

Polarisation Mixed

Maximum antenna height 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	3 kW
60°T - 85°T	5 kW
85°T - 110°T	10 kW
110°T - 310°T	20 kW
310°T - 335°T	10 kW
335°T - 360°T	5 kW

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : Open Narrowcasting

General Area Served : Hamilton (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS6478001

Transmitter Site :-

Nominal location : Telstra Site Roberts Street HAMILTON

Australian Map Grid :	Zone	Easting	Northing
Reference	54	590782	5823100

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 102.1 MHz

Polarisation Mixed

Maximum antenna height 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1 kW

Special Conditions :-

Any transmission in accordance with this technical specification is planned on the basis that it will be protected to a minimum median field strength of 66 dBuV/m against interference from other broadcasting services.

The coverage area of this transmission is described as that area within a radius of 10 kilometres measured from a point with the following AMG co-ordinates : Zone: 54; Easting: 590782; Northing: 5823100. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines, and is not to result in a maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : Open Narrowcasting

General Area Served : Casterton (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS7446001

Transmitter Site :-

Nominal location : Seeleys Hill CASTERTON

Australian Map Grid :	Zone	Easting	Northing
Reference	54	536105	5840968

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 104.5 MHz

Polarisation Mixed

Maximum antenna height 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

Special Conditions :-

The coverage area of this transmission is described as that area within a radius of 5 kilometres measured from a point with the following AMG co-ordinates : Zone: 54; Easting: 536105; Northing: 5840968. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines, and is not to result in a maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

LICENCE AREA PLAN : Hamilton Radio – December 2001

Category : Open Narrowcasting

General Area Served : Portland (VIC)

Service Licence Number : Not applicable

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10011114

Transmitter Site :-

Nominal location : 27 Tyers St Telephone Exchange PORTLAND

Australian Map Grid :	Zone	Easting	Northing
Reference	54	552576	5755596

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 105.3 MHz

Polarisation Mixed

Maximum antenna height 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	1 kW

Special Conditions :-

The coverage area of this transmission is described as that area within a radius of 15 kilometres measured from a point with the following AMG co-ordinates : Zone: 54; Easting: 552576; Northing: 5755596. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines, and is not to result in a maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

LICENCE AREA FOR SERVICE LICENCE NUMBER: SL3067

PORTLAND COMMUNITY RADIO

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 6 August 1996, is:

Area Description

Glenelg (S) - Portland

VIC CD 2091302

VIC CD 2091305

VIC CD 2091301

VIC CD 2091306

VIC CD 2091307

VIC CD 2091303

VIC CD 2091308

VIC CD 2091311

VIC CD 2091309

VIC CD 2091312

VIC CD 2091202

VIC CD 2091203

VIC CD 2091204

VIC CD 2090709

VIC CD 2090708

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

(S) = Shire

LICENCE AREA PLAN : Hamilton Radio - December 2001

Category : Community

General Area Served : Portland (VIC)

Service Licence Number : SL3067

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS3067601

Transmitter Site :-

Nominal location : Mt Clay

Australian Map Grid : Zone Easting Northing
Reference 54 561905 5769790

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode VHF-FM

Carrier Frequency : 99.3 MHz

Polarisation Mixed

Maximum antenna height 12 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 60°T	2 kW
60°T - 120°T	200 W
120°T - 360°T	2 kW