



**Australian  
Broadcasting  
Authority**

# **LICENCE AREA PLAN GOLD COAST RADIO**

**DECEMBER 2000**

**LICENCE AREA PLAN – GOLD COAST RADIO – DECEMBER 2000  
DETERMINATION**

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

Four national radio broadcasting services, three commercial radio broadcasting services and four community 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 - 1.12 to this Determination.

(Determined by the Australian Broadcasting Authority on 21 December 2000)

## 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 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.

## SCHEDULE ONE

### Licence Area Plan : Gold Coast Radio – December 2000

#### Licence Area : GOLD COAST RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
National	Licensed Reserved	88.5 MHz	N/A	TS2138001	1.2	Gold Coast
National	Licensed Reserved	90.1 MHz	N/A	TS2139001	1.3	Gold Coast
National	Licensed Reserved	91.7 MHz	N/A	TS2268601	1.4	Gold Coast
National	Licensed Reserved	97.7 MHz	N/A	TS7329601	1.5	Gold Coast
Commercial	Licensed	90.9 MHz	SL3182	TS3182001	1.6	Gold Coast
Commercial	Licensed	92.5 MHz	SL4173	TS4173001	1.7	Gold Coast
Commercial	Available	102.9 MHz	SL1150463	TS4946001	1.8	Gold Coast
Community	Licensed	89.3 MHz	SL3069	TS3069001	1.9	Gold Coast
Community	Available	94.1 MHz	SL1150707	TS6255001	1.10	Gold Coast
Community	Available	105.7 MHz	SL1150709	TS10009906	1.11	Gold Coast
Community	Available	107.3 MHz	SL1150708	TS10009907	1.12	Gold Coast

#### DISCLAIMER:

The availability of frequency capacity in the Gold Coast is, to a large extent, based on theoretical interference predictions. Predictions by their very nature are subject to some degree of uncertainty given limitations of topography and other data.

The Australian Broadcasting Authority (ABA) takes reasonable care in assigning frequencies, but cannot warrant that licensed use of a broadcasting facility will be free from (or will not cause) interference. Any such interference can vary in extent and can originate within Australia or overseas.

Prospective applicants for licences should obtain independent technical or specialist advice concerning their applications, the operation of broadcasting equipment, and any other matters relevant to the operation of transmitters and services under the licences in question.

- Existing broadcasters should take all reasonable steps to be satisfied that their frequency will operate at the prescribed levels before making changes to its existing technical operating conditions.

- Aspirant broadcasters should take all reasonable steps to be satisfied that their frequency of interest will operate at the prescribed levels before competing for spectrum availability.

No liability is or will be accepted by the Minister for Communications, Information Technology and the Arts, the ABA, the Commonwealth of Australia, or its officers, servants or agents for the licensed use of a broadcasting facility which is not free from (or causes) interference.

**LICENCE AREA FOR SERVICE LICENCE NOS: SL3182; SL4173; SL3069;  
SL1150463; SL1150707; SL1150708; SL1150709**

**LICENCE AREA - GOLD COAST RA1**

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
Southport	Hollywell
Nerang	Bilinga
Guanaba-Currumbin Valley	QLD CD 3160210
Labrador	NSW CD 1070402
Palm Beach	NSW CD 1071601
Robina-Clear Island Waters	QLD CD 3160207
Carrara-Merrimac	NSW CD 1070209
Ashmore	NSW CD 1071612
Helensvale	QLD CD 3160209
Mermaid Waters	QLD CD 3162314
Burleigh Waters	NSW CD 1070201
Elanora	NSW CD 1070211
Currumbin Waters	QLD CD 3160205
Burleigh Heads	QLD CD 3162416
Worongary-Tallai	QLD CD 3162303
Broadbeach Waters	NSW CD 1070106
Mudgeeraba	NSW CD 1070202
Kerrydale-Stephens	QLD CD 3160204
Runaway Bay	NSW CD 1070204
Parkwood	NSW CD 1070208
Coombabah	QLD CD 3162408
Coolangatta	NSW CD 1070107
Oxenford	NSW CD 1070410
Miami	QLD CD 3162401
Coomera-Cedar Creek	QLD CD 3162513
Benowa	QLD CD 3162612
Mermaid Beach	QLD CD 3161007
Broadbeach	QLD CD 3161011
Biggera Waters	NSW CD 1071904
Tugun	QLD CD 3162514
Arundel	QLD CD 3160208
Paradise Point	NSW CD 1070401
Bundall	NSW CD 1071611
Ernest-Molendinar	NSW CD 1070405
Hope Island	QLD CD 3162510
Currumbin	NSW CD 1070407

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Area Description

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NSW CD 1071907  
NSW CD 1070308  
NSW CD 1070411  
NSW CD 1071602  
NSW CD 1070404  
NSW CD 1070303  
NSW CD 1071906  
QLD CD 3162315  
NSW CD 1071903  
QLD CD 3162409  
NSW CD 1071605  
QLD CD 3162502  
NSW CD 1070408  
NSW CD 1070212  
NSW CD 1070203  
QLD CD 3162404  
NSW CD 1071905  
QLD CD 3162403  
NSW CD 1071909  
NSW CD 1070413  
NSW CD 1070313  
QLD CD 3160201  
NSW CD 1070210  
QLD CD 3162505  
QLD CD 3162506  
NSW CD 1070110  
QLD CD 3160202  
QLD CD 3161211  
NSW CD 1070312  
NSW CD 1070108  
QLD CD 3162613  
QLD CD 3161201  
NSW CD 1070101  
NSW CD 1070102  
QLD CD 3162508  
NSW CD 1070109  
QLD CD 3162608  
NSW CD 1070206  
NSW CD 1071604  
NSW CD 1070306  
QLD CD 3161202  
QLD CD 3161012  
NSW CD 1070412  
NSW CD 1070213  
NSW CD 1070205  
QLD CD 3161209  
NSW CD 1070105  
QLD CD 3161213

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Area Description

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QLD CD 3162306  
QLD CD 3162610  
QLD CD 3162417  
QLD CD 3161001  
QLD CD 3162501  
NSW CD 1071603  
QLD CD 3162413  
QLD CD 3162611  
NSW CD 1071615  
NSW CD 1070403  
NSW CD 1070103  
NSW CD 1070111  
QLD CD 3161212  
QLD CD 3161210  
QLD CD 3162605  
NSW CD 1070305  
QLD CD 3161203  
QLD CD 3162509  
QLD CD 3161008  
QLD CD 3162607  
NSW CD 1070112  
QLD CD 3162606  
QLD CD 3162512  
QLD CD 3162311  
QLD CD 3161206  
QLD CD 3162304  
QLD CD 3160206  
QLD CD 3162604  
QLD CD 3162602  
QLD CD 3162603  
QLD CD 3161208  
QLD CD 3162503  
QLD CD 3162310  
QLD CD 3162601  
QLD CD 3161215  
QLD CD 3162412  
NSW CD 1071608  
QLD CD 3162614  
QLD CD 3161207  
QLD CD 3162615  
QLD CD 3162309  
NSW CD 1070207  
QLD CD 3162307  
QLD CD 3161204  
QLD CD 3161010  
QLD CD 3162407  
QLD CD 3162511  
QLD CD 3162415

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Area Description

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QLD CD 3162411  
QLD CD 3162308  
QLD CD 3161214  
QLD CD 3162312  
QLD CD 3161009  
QLD CD 3162305  
QLD CD 3162504

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Area Description

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NSW CD 1070104  
QLD CD 3162301  
QLD CD 3162507  
QLD CD 3162402  
QLD CD 3160203

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : National  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS2138001

**Transmitter Site :-**

Nominal location : Cnr North & Freemans Rds  
 LOWER BEECHMONT

Australian Map Grid : Zone Easting Northing  
 Reference 56 523700 6898800

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 88.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 32 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	26 kW
180°T - 360°T	2.6 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : National  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS2139001

**Transmitter Site :-**

Nominal location : Cnr North & Freemans Rds  
 LOWER BEECHMONT

Australian Map Grid : Zone Easting Northing  
 Reference 56 523700 6898800

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 90.1 MHz  
 Polarisation Mixed  
 Maximum antenna height 32 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	26 kW
180°T - 360°T	2.6 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : National  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS2268601

**Transmitter Site :-**

Nominal location : Cnr North & Freemans Rds  
 LOWER BEECHMONT

Australian Map Grid : Zone Easting Northing  
 Reference 56 523700 6898800

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 91.7 MHz  
 Polarisation Mixed  
 Maximum antenna height 32 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	26 kW
180°T - 360°T	2.6 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : National  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS7329601

**Transmitter Site :-**

Nominal location : Cnr North & Freemans Rds  
 LOWER BEECHMONT

Australian Map Grid : Zone Easting Northing  
 Reference 56 523700 6898800

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 97.7 MHz  
 Polarisation Mixed  
 Maximum antenna height 32 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 180°T	26 kW
180°T - 360°T	2.6 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Commercial  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL3182

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS3182001

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE  
 Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900  
 Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 90.9 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	4 kW
40°T - 80°T	16 kW
80°T - 140°T	25 kW
140°T - 160°T	16 kW
160°T - 220°T	10 kW
220°T - 360°T	1 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Commercial  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL4173

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS4173001

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE

Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 92.5 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	4 kW
40°T - 80°T	16 kW
80°T - 140°T	25 kW
140°T - 160°T	16 kW
160°T - 220°T	10 kW
220°T - 360°T	1 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Commercial  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL1150463

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS4946001

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE  
 Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900  
 Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 102.9 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	4 kW
40°T - 80°T	16 kW
80°T - 140°T	25 kW
140°T - 160°T	16 kW
160°T - 220°T	10 kW
220°T - 360°T	1 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Community  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL3069

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS3069001

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE  
 Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900  
 Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 89.3 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	4 kW
40°T - 80°T	16 kW
80°T - 140°T	25 kW
140°T - 160°T	16 kW
160°T - 220°T	10 kW
220°T - 360°T	1 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Community  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL1150707

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS6255001

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE  
 Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900  
 Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 94.1 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	4 kW
40°T - 80°T	16 kW
80°T - 140°T	25 kW
140°T - 160°T	16 kW
160°T - 220°T	10 kW
220°T - 360°T	1 kW

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Community  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL1150709

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10009906

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE

Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 105.7 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	1.5 kW
40°T - 80°T	6 kW
80°T - 140°T	10 kW
140°T - 160°T	6 kW
160°T - 220°T	4 kW
220°T - 360°T	400 W

**LICENCE AREA PLAN : Gold Coast – December 2000**

Category : Community  
 General Area Served : Gold Coast (QLD)  
 Service Licence Number : SL1150708

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10009907

**Transmitter Site :-**

Nominal location : Broadcast Site Golf Course Rd  
 MOUNT TAMBORINE

Australian Map Grid : Zone Easting Northing  
 Reference 56 520800 6905900

Site Tolerance : Refer to Technical Planning Guidelines

**Emission :-**

Frequency Band & Mode VHF-FM  
 Carrier Frequency : 107.3 MHz  
 Polarisation Mixed  
 Maximum antenna height 22 m

**Output Radiation Pattern :-**

Bearing or Sector (Clockwise direction)	Maximum ERP
0°T - 40°T	1.5 kW
40°T - 80°T	6 kW
80°T - 140°T	10 kW
140°T - 160°T	6 kW
160°T - 220°T	4 kW
220°T - 360°T	400 W