

EMBARGO 39

FREQUENCY RANGE(S):	5725–5850 MHz
SUBJECT:	Embargo on fixed service assignments to provide limited support to 5.8 GHz fixed links and to protect radiolocation receivers
DATE OF EFFECT:	25 November 2004 (last revised September 2007)
COVERAGE:	As specified in Tables A and B of <u>Attachment 1</u>
TIME FRAME:	Ongoing

INSTRUCTIONS

No fixed service assignments are to be made in the frequency ranges/geographic areas specified in Table A and Table B of Attachment 1.

REASONS

This embargo has been introduced to:

1. preserve opportunities for devices authorised under class licensing arrangements in the subject band (in particular in larger population areas defined in Table B1 of Attachment 1); and
2. provide protection for radiolocation receivers used for defence purposes within areas defined in Table B2 of Attachment 1.

COMMENTS


The 5725–5850 MHz band is used, or is available for use, by:

- the radiolocation service (under a primary allocation that provides that the use is principally for the purposes of defence);
- the amateur and amateur-satellite (space-to-Earth) services (under secondary allocations);
- a wide variety of short range devices under class licensing arrangements; and
- industrial, scientific and medical (ISM) applications which use radiofrequency energy locally for non-radiocommunication purposes.

HISTORY

In September 2007 the embargo was revised to include editorial and formatting changes.

EMBARGO AUTHORISATION:


..... 22.9.2007

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INSTRUCTIONS: 1. No fixed service assignments should be made in the frequency ranges specified in Table A.

Table A

<i>Frequency Range</i>	<i>Exclusion Area</i>
5725–5735 MHz	Australia-wide
5755–5775 MHz	Australia-wide
5795–5850 MHz	Australia-wide

INSTRUCTIONS: 2. In the frequency ranges specified in Table B, no fixed service assignments should be made in the geographic areas specified in Table B.

Table B

<i>Frequency Range</i>	<i>Exclusion Zones (to be applied simultaneously)</i>
5735–5755 MHz and 5775–5795 MHz	<ul style="list-style-type: none"> • High density areas and medium density areas as defined in Schedule 1 of the <i>Radiocommunications (Transmitter Licence Tax) Determination 2003 (No.2)</i>¹. • Within the circles defined by the centroid coordinates and radii listed in Table B1. • Within the areas enclosed by polygons defined by coordinates listed in Table B2.

¹ Diagrams illustrating these areas can be found in Appendix F of the Apparatus Licence Fee Schedule at: http://www.acma.gov.au/webwr/_assets/main/lib310143/2007_fee_sched_with_maps.pdf.

Table B1

State/ territory	Site Name	Coordinates of centroid		Radius (km)
		Latitude (dec. degrees South)	Longitude (dec. degrees East)	
ACT/NSW	Canberra/Queanbeyan (Capital Hill)	35.310000	149.120000	25
NSW	Armidale	30.516667	151.666667	20
NSW	Bathurst	33.416667	149.583333	20
NSW	Coffs Harbour	30.300000	153.133333	20
NSW	Dubbo	32.250000	148.616667	20
NSW	Goulburn	34.750000	149.716667	20
NSW	Lismore	28.816667	153.266667	20
NSW	Nowra	34.883333	150.600000	20
NSW	Orange	33.283333	149.100000	20
NSW	Port Macquarie	31.450000	152.916667	20
NSW	Tamworth	31.083333	150.933333	20
NSW	Wagga Wagga	35.116667	147.366667	20
NSW/VIC	Albury/Wodonga (Wodonga town centre)	36.116667	146.883333	20
VIC	Ballarat	37.566667	143.850000	20
VIC	Bendigo	36.766667	144.283333	20
VIC	Mildura	34.183333	142.166667	20
VIC	Shepparton/Mooroopna	36.383333	145.400000	20
VIC	Warrnambool	38.383333	142.483333	20
QLD	Bundaberg	24.866667	152.350000	20
QLD	Cairns	16.916667	145.766667	20
QLD	Caloundra/Kawana Waters	26.800000	153.133333	20
QLD	Gladstone	23.850000	151.266667	20
QLD	Hervey Bay	25.290000	152.850000	20
QLD	Mackay	21.150000	149.183333	20
QLD	Maroochydore/Malooloolaba/Buderim	26.650000	153.100000	20
QLD	Maryborough	25.533333	152.700000	20
QLD	Mt Isa	20.733333	139.483333	20
QLD	Rockhampton	23.366667	150.533333	20
QLD	Tewantin-Noosa	26.400000	153.066667	20
QLD	Toowoomba	27.566667	151.950000	20
QLD	Townsville/Thuringowa (centre of Townsville urban area)	19.260000	146.810000	20
SA	Mt Gambier	37.833333	140.783333	20
SA	Whyalla	33.033333	137.600000	20
WA	Albany	35.000000	117.866667	20
WA	Bunbury	33.333333	115.633333	20
WA	Geraldton	28.766667	114.616667	20
WA	Mandurah	32.533333	115.716667	20
WA	Kalgoorlie/Boulder	30.750000	121.466667	20
TAS	Devonport	41.183333	146.350000	20
TAS	Hobart—New Town	42.860000	147.300000	25
TAS	Launceston	41.450000	147.166667	20
NT	Alice Springs	23.700000	133.866667	20
NT	Darwin-Palmerston (Palmerston town centre)	12.482222	130.982778	25

Table B2

Shoalwater Bay-QLD	
Latitude (dec. degrees S)	Longitude (dec. degrees E)
22.767211	150.765770
22.758374	150.767852
22.744160	150.720385
22.757631	150.715294
22.743752	150.641557
22.750821	150.620010
22.759017	150.624735
22.850781	150.613412
22.850338	150.584197
22.897435	150.594082
22.884900	150.474451
22.844289	150.475202
22.818367	150.334494
22.832383	150.309875
22.849077	150.220907
22.807859	150.195470
22.765399	150.236231
22.754388	150.234519
22.752759	150.143073
22.730292	150.147919
22.709445	150.143000
22.634488	150.090591
22.457819	150.094766
22.252500	150.011111
22.100000	150.500000
22.100000	150.750000
22.801876	150.983349

Woomera-SA	
Latitude (dec. degrees S)	Longitude (dec. degrees E)
27.833333	133.833333
28.566667	133.833333
29.116667	134.366667
29.116667	134.950000
28.716667	135.166667
28.716667	135.750000
29.300000	136.600000
30.325556	136.983056
30.533333	137.283333
30.678333	137.333889
30.866667	137.400000
31.197222	137.357222
31.581389	137.009722
31.387778	136.352222
31.111667	136.214167
30.561667	133.921944
30.430278	132.260000
30.083333	132.000000
29.900000	131.500000
28.133333	131.500000
28.133333	132.000000
27.833333	132.000000

Zone 2-NT	
Latitude (dec. degrees S)	Longitude (dec. degrees E)
14.000000	131.000000
14.000000	131.923000
14.171900	132.007500
14.780800	131.936400
15.023000	132.376600
16.194700	132.376600
16.230962	132.212901
16.245936	131.810228
16.046290	131.235872
15.350000	131.000000
15.350000	130.801410
15.537610	130.801410
15.556580	130.746620
15.625150	130.685830
15.591170	130.497560
15.629770	130.428150
15.559850	130.363980
15.472980	130.365055
15.418750	130.003790
15.457090	129.943370
15.431370	129.848300
15.177530	129.768400
14.830000	129.461600
11.500500	128.171600
12.289100	130.503000
12.822222	130.777500
14.784428	130.027045
14.789580	130.175340
14.893410	130.266630
14.825000	130.633300
14.929100	130.741600
14.929100	131.000000

Zone 1-NT	
Latitude (dec. degrees S)	Longitude (dec. degrees E)
12.004700	130.914700
9.912200	130.868600
10.403800	132.419700
11.683600	133.344400
12.314700	131.317500
12.086900	131.159700

Mt Bundy-NT	
Latitude (dec. degrees S)	Longitude (dec. degrees E)
12.823300	131.968800
12.920200	131.968800
12.920200	132.070000
13.173000	132.072200
13.173000	131.875000
12.918600	131.685000
12.918000	131.783600
12.857700	131.783600