



AUSTRALIAN BEACON LISTING

Please advise any corrections or additions to: WIA Technical Advisory Committee, PO Box 2042, Bayswater, Vic 3153. E-mail: tac@wia.org.au.

KEY

ST	Status	Grid	Maidenhead locator
O	Operating continuously	Pwr	* Asterisk indicates EIRP. Otherwise Tx output.
T	Testing or intermittent	HASL	Height above sea level (metres)
P	Proposed	Pol	Antenna polarisation
X	Not currently on air	Dir	Direction of maximum radiation
Notes	See end of listing	Sp	Sponsor responsible for maintenance

Freq	Call	Location	Area	Grid	ST	Pwr	HASL	Pol	Dir	Mode	Sp	Notes
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Bands below 10 Metres

14.100	VK6RBP	Roleystone	Perth	OF78	O	* 100	360	V	Omni	CW	WWI	1
18.110	VK6RBP	Roleystone	Perth	OF78	O	* 100	360	V	Omni	CW	WWI	1
21.150	VK6RBP	Roleystone	Perth	OF78	O	* 100	360	V	Omni	CW	WWI	1
24.930	VK6RBP	Roleystone	Perth	OF78	O	* 100	360	V	Omni	CW	WWI	1

10 Metre Band

28.200	VK6RBP	Roleystone	Perth	OF78	O	* 100	360	V	Omni	CW	WWI	1
28.213	VK3RSX	Dunolly	Western Vic	QF13	O	10	-	V	Omni	CW	-	
28.2565	VK3RMH	Wattle Glen	Melbourne	QF22	O	20	120	V	Omni	CW	VNE	
28.260	VK5WI	Elizabeth	Adelaide	PF95	O	10	73	V	Omni	CW	SEA	
28.262	VK2RSY	Dural	Sydney	QF56	O	25	240	V	Omni	CW	NAR	
28.264	VK6RWA	Whiteman Pk	Perth	OF78	O	20	40	V	Omni	CW	WWI	
28.267	VK7RAE	Don Hill	NW Tasmania	QE38	T	10	100	V	Omni	CW	TNW	
28.268	VK8VF	Darwin	Darwin	PH57	O	20	16	V	Omni	CW	SDA	
28.270	VK4RTL	Mt Stuart	Townsville	QH30	O	5	582	V	Omni	CW	QTO	

6 Metre Band

50.046	VK8RAS	Alice Springs	Alice Springs	PG66	O	20	300	V	Omni	CW	SAL	
50.057	VK7RAE	Don Hill	NW Tasmania	QE38	O	10	100	H	Omni	CW	TNW	2
50.058	VK4RGG	Nerang	Gold Coast	QG62	O	50	-	H	Omni	CW	QGC	
50.066	VK6RPH	Walliston	Perth	OF88	O	* 20	337	H	Omni	CW	WVH	
50.281	VK4RHT	Hann Tableland	Atherton	QH23	T	25	950	V	Omni	CW	QTB	
50.282	VK4RTL	Mt Stuart	Townsville	QH30	O	10	582	H	Omni	CW	QTO	
50.284	VK4RSC	Wilkes Knob	Sunshine Coast	QG63	P	10	470	H	Omni	CW	QSC	
50.288	VK2RHV	Mt. Sugarloaf	Hunter Valley	QF57	O	10	-	H	Omni	CW	NHG	
50.289	VK2RSY	Dural	Sydney	QF56	O	20	240	H	N/S	CW	NAR	
50.295	VK3RMH	Wattle Glen	Melbourne	QF22	O	10	120	H	Omni	CW	VNE	
50.297	VK7RST	Mt Nelson	Hobart	QE37	O	15	-	H	E/W	FSK	TRS	
50.300	VK0RTM	Mawson	Antarctica	MC12	O	* 280	40	H	Omni	CW	AJJ	
50.304	VK6RSX	Dampier	North west WA	OG89	O	* 75	20	H	Omni	CW	WVH	
50.306	VK6RBU	Bunbury	South west WA	OF76	O	* 150	305	H	W & E	CW	WVH	6
50.310	VK8VF	Darwin	Darwin	PH57	O	10	-	V	Omni	CW	SDA	
50.315	VK5RBV	Mt Kitchener	Barossa Valley	PF95	O	12	580	H	Omni	CW	SBA	
50.320	VK5VF	Mt Lofty	Adelaide	PF95	O	30	680	H	Omni	CW	SWI	
52.315	VK3RSX	Dunolly	Western Vic	QF13	O	10	-	H	Omni	CW	-	
52.345	VK4ABP	Longreach	Western Qld	QG26	O	10	480	V	Omni	CW	QAB	4

Freq	Call	Location	Area	Grid	ST	Pwr	HASL	Pol	Dir	Mode	Sp	Notes
2 Metre Band												
144.410	VK1R--	-	ACT	QF44	P	-	-	H	Omni	FSK	ACR	
144.414	VK2RSF	Mt Emerald	Snowy Mountains	QF43	P	12	-	H	Omni	FSK	NSE	
144.420	VK2RSY	Dural	Sydney	QF56	O	20	240	H	Omni	CW	NAR	
144.424	VK2R--	Blue Mountains	Blue Mountains	-	P	-	-	-	-	-	NBM	
144.430	VK3RTG	Clayton	Melbourne	QF22	O	15	80	H	Omni	CW	VAR	
144.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	10	540	H	Omni	CW	VEZ	
144.438	VK3RRU	Merbein	Mildura area	QF15	O	15	-	H	Omni	CW	VAR	12
144.440	VK4RTT	Mt Mowbullian	SE Queensland	QG62	O	25	-	H	Omni	CW	QBV	
144.444	VK4RTL	Mt Stuart	Townsville	QH30	O	10	582	V	Omni	FSK	QTO	
144.450	VK5VF	Mt Lofty	Adelaide	PF95	O	30	680	H	Omni	CW	SWI	
144.460	VK6RPH	Walliston	Perth	OF88	O	* 25	337	H	Omni	CW	VVH	
144.474	VK7RAE	Don Hill	NW Tasmania	QE38	O	10	100	H	Omni	FSK	TNW	11
144.480	VK8VF	Darwin	Darwin	PH57	P	30	-	V	Omni	CW	SDA	
144.485	VK8RAS	Alice Springs	Alice Springs	PG66	O	20	300	V	Omni	CW	SAL	
144.525	VK2RBH	Broken Hill	Western NSW	QF08	O	10	-	H	Omni	CW	-	43
144.530	VK3RGL	Mt Anakie	Geelong	QF22	O	8	400	H	W & NE	FSK	VAR	20
144.534	VK3RTC	Cobram	North Central Vic	QF24	P	25	125	H	Omni	CW	VMV	10
144.550	VK5RSE	Mt Graham	South east	QF02	O	25	225	H	Note 14	CW	SSE	14
144.560	VK6RBU	Bunbury	South west WA	OF76	O	* 250	305	H	W & E	FSK	VVH	6
144.564	VK6RST	Mt Barker	Southern WA	OF85	O	* 25	-	H	Omni	FSK	VVH	
144.568	VK6REP	Esperance	South east WA	PF06	O	*15	-	H	Omni	FSK	VVH	
144.576	VK6RSX	Dampier	North west WA	OG89	O	* 75	20	H	Omni	CW	VVH	

70 cm Band

432.410	VK1R--	-	ACT	QF44	P	-	-	H	Omni	FSK	ACR	
432.414	VK2RSF	Mt Emerald	Snowy Mountains	QF43	P	10	-	H	Omni	CW	NSE	
432.420	VK2RSY	Dural	Sydney	QF56	O	25	240	H	Omni	CW	NAR	
432.424	VK2R--	Blue Mountains	Blue Mountains	-	P	-	-	-	-	-	NBM	
432.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	10	540	H	NSEW	CW	VEZ	
432.440	VK4RBB	Murrarie	Brisbane	QG62	O	8	-	H	Omni	CW	QBV	
432.444	VK4RTL	Mt Stuart	Townsville	QH30	X	10	582	V	Omni	FSK	QTO	
432.450	VK5VF	Mt Lofty	Adelaide	PF95	O	10	680	H	Omni	CW	SWI	
432.460	VK6RPH	Walliston	Perth	OF88	O	* 25	337	H	Omni	CW	VVH	
432.474	VK7RAE	Don Heads	NW Tasmania	QE38	X	8	100	H	Omni	FSK	TNW	
432.480	VK8VF	Darwin	Darwin	PH57	P	-	-	-	-	-	SDA	
432.525	VK2RBH	Broken Hill	Western NSW	QF08	X	10	-	H	Omni	CW	-	43
432.530	VK3RGL	Mt Anakie	Geelong	QF22	O	12	400	H	W & NE	FSK	VAR	21
432.534	VK3RTC	Cobram	North Central Vic	QF24	X	25	125	H	Omni	CW	VMV	10
432.536	VK3RMB	Green Hill	Ballarat	QF12	O	10	-	H	Omni	FSK	VBA	
432.550	VK5RSE	Mt Graham	South east	QF02	O	25	170	H	E/W	CW	SSE	22
432.564	VK6RST	Mt Barker	Southern WA	OF85	O	* 250	-	H	N & E	CW	VVH	23

23 cm Band

1296.410	VK1R--	-	ACT	QF44	P	-	-	H	Omni	FSK	ACR	
1296.420	VK2RSY	Dural	Sydney	QF56	O	20	240	H	Omni	CW	NAR	
1296.424	VK2R--	Blue Mountains	Blue Mountains	-	P	-	-	-	-	-	NBM	
1296.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	10	540	H	Omni	CW	VEZ	
1296.435	VK3RRU	Merbein	Mildura area	QF15	O	10	-	H	Omni	FSK	VAR	12, 49
1296.440	VK4RBB	Murrarie	Brisbane	QG62	O	9	-	H	Omni	CW	QBV	
1296.444	VK4RTL	Mt Stuart	Townsville	QH30	O	1	582	V	Omni	CW	QTO	
1296.448	VK4RAR	-	Rockhampton	QG56	P	5	-	V	Omni	CW	QRK	
1296.450	VK5VF	Mt Lofty	Adelaide	PF95	X	50	680	H	Omni	FSK	SWI	5
1296.452	VK5RLZ	Elizabeth	Adelaide North	PF95	O	1	73	H	Omni	CW	SEA	
1296.460	VK6RPH	Walliston	Perth	OF88	O	* 30	337	H	Omni	FSK	VVH	
1296.530	VK3RXX	Camberwell	Melbourne	QF22	T	10	-	H	West	CW	VNL	
1296.532	VK3RLP	Langwarrin	Mornington Pen	QF21	O	3.5	-	H	E/W/NE	FSK	VGG	31
1296.534	VK3RTC	Cobram	North Central Vic	QF24	X	10	125	H	Omni	CW	VMV	10
1296.536	VK3RMB	Green Hill	Ballarat	QF12	O	10	750	H	Omni	CW	VBA	
1296.550	VK5RSE	Mt Graham	South east	QF02	O	10	225	H	2X10el	CW	SSE	
1296.560	VK6RBS	Busselton	W. Coast WA	OF76	X	* 60	10	H	North	FSK	VVH	
1296.564	VK6RST	Mt Barker	Southern WA	OF85	P	-	-	H	-	CW	VVH	

Freq	Call	Location	Area	Grid	ST	Pwr	HASL	Pol	Dir	Mode	Sp	Notes
Higher Bands												
2403.420	VK2RSY	Dural	Sydney	QF56	P	-	240	-	-	-	NAR	
2403.424	VK2R--	Blue Mountains	Blue Mountains		P	-	-	-	-	-	NBM	
2403.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	10	540	H	Omni	CW	VEZ	
2403.440	VK4RBB	Murarie	Brisbane	QG62	O	2	-	-	Omni	CW	QBV	
2403.450	VK5VF	Mt Lofty	Adelaide	PF95	X	50	680	H	WEST	FSK	SWI	5
2403.452	VK5RLZ	Elizabeth	Adelaide	PF95	O	.15	73	H	Omni	CW	SEA	
2403.460	VK6RSP	Melville	Perth	OF77	P	10	-	H	Omni	FSK	VVH	
2403.530	VK3RXX	Camberwell	Melbourne	QF22	O	16	-	H	Omni	CW	VNL	
2403.532	VK3RLP	Langwarrin	Mornington Pen.	QF21	P	5	-	H	E/W/NE	-	VGG	31
2403.534	VK3RTC	Cobram	North Central Vic	QF24	P	5	125	H	Omni	FSK	VMV	10
3400.420	VK2RSY	Dural	Sydney	QF56	P	10	240	H	Omni	CW	NAR	
3400.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	2	540	H	Omni	CW	VEZ	
3400.440	VK4RBB	Murarie	Brisbane	QG62	P	3	-	-	-	CW	QBV	
3400.450	VK5VF	Mt Lofty	Adelaide	PF95	X	-	680	H	West	FSK	SWI	
3400.452	VK5RLZ	Elizabeth	Adelaide	PF95	X	-	73	H	Omni	FSK	SEA	
5760.420	VK2RSY	Dural	Sydney	QF56	P	10	240	H	Omni	CW	NAR	
5760.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	1	540	H	Omni	CW	VEZ	
5760.440	VK4RBB	Murarie	Brisbane	QG62	P	3	-	-	-	CW	QBV	
5760.450	VK5VF	Mt Lofty	Adelaide	PF95	X	5	680	H	Omni	FSK	SWI	5
5760.452	VK5RLZ	Elizabeth	Adelaide	PF95	X	2	73	H	Omni	FSK	SEA	
5760.460	VK6RSP	Melville	Perth	OF77	O	1	-	H	Omni	FSK	VVH	
10368.420	VK2RSY	Dural	Sydney	QF56	P	-	240	-	-	-	NAR	
10368.434	VK3RGI	Mt Carrajung	Gippsland	QF31	O	1.5	540	H	Omni	CW	VEZ	
10368.440	VK4RBB	Bulimba	Brisbane	QG62	O	-	-	-	Omni	CW	QBV	
10368.450	VK5VF	Mt Lofty	Adelaide	PF95	X	10	680	H	Omni	CW	SWI	5
10368.452	VK5RLZ	Elizabeth	Adelaide	PF95	X	10	73	H	Omni	FSK	SEA	
10368.460	VK6RSP	Melville	Perth	OF77	O	1	-	H	Omni	FSK	VVH	
10368.530	VK3RXX	Camberwell	Melbourne	QF22	O	2	-	H	Omni	CW	VNL	32
10368.536	VK3RMB	Green Hill	Ballarat	QF12	O	-	-	H	Omni	CW	VBA	
10368.538	VK3RWL	Mt Warrnambool	SW Victoria	QF11	X	2	220	H	E / W	CW	VAR	
10368.550	VK5RSE	Mt Graham	South east	QF02	X	10	225	-	-	-	SSE	
10368.560	VK6RBS	Busselton	W. Coast WA	OF76	X	* 200	10	H	North	FSK	VVH	
10368.564	VK6RST	Mt Barker	Southern WA	OF85	O	* 200		H	East	FSK	VVH	
24048.452	VK5RLZ	Elizabeth	Adelaide	PF95	X	-	73	-	-	-	SEA	
24048.560	VK6RSP	Melville	Perth	OF77	P	* 1	-	H	Omni	FSK	VVH	

CW Practice and Special Purpose Beacons

3.699	VK2WI	Dural	Sydney	QF56	O	35	240	H	Dipole	CW	NAR	41
53.100	VK3RMG	Mt Broughton	Yea	QF22	O	40	650	V	Omni	FSK	VSG	42
53.100	VK3RUG	Devil's River	Alexandra - Eildon	QF22	O	40	650	V	Omni	FSK	VSG	42
144.950	VK6RIO	Whiteman	Perth	OF78	P	120	-	H	West	Digi	WNC	46
145.575	VK6RIB	Ardross	Perth	OF77	O	10	43	V	Omni	FM	WHC	45
145.650	VK2WI	Dural	Sydney	QF56	X	-	240	V	Omni	FM	NAR	41
145.650	VK3RCW	Waverley	Melbourne	QF22	O	-	-	V	Omni	FM	VAR	41
145.650	VK5VF	Mt Lofty	Adelaide	PF95	X	10	680	V	Omni	FM	SWI	41, 5
145.675	VK6RTB	portable	WA statewide	-	O	10	-	V	Yagi	FM	WDW	44
147.375	VK6RCW	Welshpool	Perth	OF78	O	20	80	V	Omni	FM	WWI	41, 49
439.725	VK2RAG	Somersby	Gosford - Wyong	QF56	O	25	320	V	Omni	FM	NCC	43

Notes

- 1 IBP time shared beacon.
- 2 This beacon is GPS locked and accurate to better than 0.1 Hz. It idents 3 times followed by 46 seconds key down.
- 4 Attended keyer.
- 5 Off air due to loss of site access.
- 6 ERP is 100W 260 degrees, 10W 80 degrees.
- 10 Keying sequence: Tx for 30 seconds starting on the minute. 2 sec carrier, ID twice, then carrier.
- 11 This beacon is GPS locked and accurate to better than 0.1 Hz. It idents 3 times followed by 5 minutes key down.
- 12 Assigned frequency is 144.438 MHz. Actual frequency has been reported several kHz lower.
- 13 Transmits for 12 seconds once every 5 minutes, starting on the hour.
- 14 Four 5 el Yagis: 1 west, 1 Adelaide, 1 northeast, 1 east.
- 20 VK3RGL 144.530 uses two 5-element yagis beaming W and NE (293 and 38 deg from Geelong. Power: 8 watts to each Yagi.
- 21 VK3RGL 432.530 uses two 5-element yagis beaming W and NE (293 and 38 degrees) from Geelong. Transmission alternates between the two beams every 15 seconds. ID is either "DE VK3RGL W" or "DE VK3RGL NE".
- 22 Two 8 el Yagis, beaming east and west.
- 23 Two Yagis: 1 east, 1 towards Perth.
- 31 Antennas are four corner reflectors, two beaming west, one north and one east.
- 32 GPS locked beacon.
- 41 CW practice beacon.
- 42 VK3RMG and VK3RUG are packet radio nodes which transmit automatic CW identification every 5 minutes.
- 43 VK2RAG 439.725 is a combined Morse practice beacon and voice repeater. It reverts to Morse beacon operation after 3 minutes without any voice activity.
- 44 VK6RTB is a portable FM beacon used for path testing and propagation prediction.
- 45 VK6RIB is a voice beacon which transmits WIA and VK6 news, club information etc.
- 46 VK6RIO is an experimental beacon for testing possible propagation across the Indian Ocean.
- 49 Frequency is not consistent with band plan.

Beacon Sponsors

ACT and New South Wales

ACR Canberra Region ARC
NAR Amateur Radio NSW
NBM Blue Mountains ARC
NCC Central Coast ARC
NHG Hunter Radio Group
NSE South East Weak Signal Group

Victoria

VAR Amateur Radio Victoria
VBA Ballarat ARG
VEZ Eastern Zone RC
VGG Gippsland Gate RC
VMV Murray Valley AR Social Group
VNE North East Radio Group
VNL News Links ARG
VOT VK3OT
VSG 6 Metre Group

Queensland

QAB VK4ABP
QBV Brisbane VHF Group
QGC Gold Coast ARS
QRK Rockhampton & Dist. ARC
QTB Tablelands REC
QTO Townsville ARC

South Australia and N.T.

SAL Alice Springs ARC
SDA Darwin ARC
SEA Elizabeth ARC
SSE SE Radio Group
SWI WIA

Western Australia

WDW D. Watkinson
WHC Ham College
WNC Northern Corridors RG
WVH WA VHF Group
WWI WIA WA Division
(maintained by WARG)

Tasmania

TNW NW Tas. AR Interest Group
TRS Radio and Electronics Ass.
of Southern Tasmania

Antarctica

AJJ VK0JJJ