



INFORMATION PAPER

AUSTRALIAN BEACON LISTING

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

KEY

- ST Status
- O Operating continuously
- T Testing or intermittent
- P Proposed
- X Not currently on air
- GRID Maidenhead locator
- PWR * Asterisk indicates EIRP in watts. Otherwise Tx output in watts.
- HASL Height above sea level (metres)
- POL Antenna polarisation
- DIR Direction of maximum radiation
- SP Sponsor or licensee
- Notes See end of listing

Freq	Call	Location	Area	Grid	ST	PWR	HASL	Pol	Dir	Mode	Sp	Notes
10 Metre Band												
28.200	VK6RBP	Roleystone	Perth	QF78	O	* 100	360	V	OMNI	CW	WWI	1
28.213	VK3RSX	Dunolly	Western Vic	QF13	O	10	-	V	OMNI	CW	-	
28.2535	VK3RMV	Wannon	SW Victoria	QF12	X	20	305	V	OMNI	CW	VOT	
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	SVH	
28.262	VK2RSY	Dural	Sydney	QF56	O	25	240	V	OMNI	CW	NAR	
28.264	VK6RWA	Whiteman Pk	Perth	QF78	O	20	40	V	OMNI	CW	WWI	
28.267	VK7RSC	Hobart	S. Tasmania	QE37	T	10	-	V	OMNI	CW	THH	
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 Heads	NW Tasmania	QE38	O	10	100	H	OMNI	CW	TNW	
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	VVH	
50.087	VK4RTL	Mt Stuart	Townsville	QH30	O	10	582	H	OMNI	CW	QTO	
50.281	VK4RHT	Hann Tableland	Atherton	QH23	T	25	950	V	MONI	CW	QTB	
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	
50.293	VK3RMV	Wannon	SW Victoria	QF12	X	15	305	V	OMNI	CW	VOT	
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	
50.304	VK6RSX	Dampier	North west WA	OG89	O	* 75	20	H	OMNI	CW	VVH	
50.306	VK6RBU	Bunbury	South west WA	OF76	O	* 150	305	H	W & E	CW	VVH	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	
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
52.425	VK2RBH	Broken Hill	Western NSW	QF08	P	10	-	-	-	CW	-	43
52.445	VK4RIK	Mt Haren	Cairns	QH23	X	15	480	H	OMNI	FSK	QCA	
52.450	VK5VF	Mt Lofty	Adelaide	PF95	X	30	680	H	OMNI	CW	SWI	
2 Metre Band												
144.410	VK1R--	-	ACT	QF44	P	-	-	H	OMNI	FSK	ACR	
144.414	VK2R--	Nimmitabel	Snowy Mtns	QF43	T	12	-	H	OMNI	CW	-	
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	-	H	OMNI	CW	VEZ	
144.438	VK3RRU	Merbein	Mildura area	QF15	O	15	-	H	OMNI	CW	VAR	12
144.440	VK4RTT	Mt Mowbullan	SE Queensland	QG62	O	25	-	H	OMNI	CW	QBV	

Freq	Call	Location	Area	Grid	ST	PWR	HASL	Pol	Dir	Mode	Sp	Notes
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		WVH
144.474	VK7RAE	Don Heads	NW Tasmania	QE38	O	10	100	H	OMNI	FSK		TNW
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
144.510	VK2RBD	Bald Hill	Cooma - Monaro	QF43	X	50	1770	H	OMNI	CW		NFD 13
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	T	25	125	H	OMNI	FSK	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	WVH	6
144.564	VK6RST	Mt Barker	Southern WA	OF85	O	* 25	-	H	OMNI	FSK	WVH	
144.568	VK6REP	Esperance	South east WA	PF06	O	*15	-	H	OMNI	FSK	WVH	
144.576	VK6RSX	Dampier	North west WA	OG89	O	* 75	20	H	OMNI	CW	WVH	

70 cm Band

432.410	VK1R--	-	ACT	QF44	P	-	-	H	OMNI	FSK		ACR
432.414	VK2R--	Nimmitabel	Snowy Mtns	QF43	T	10	-	H	OMNI	CW		-
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	7	-	H	E/W	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		WVH
432.474	VK7RAE	Don Heads	NW Tasmania	QE38	X	8	100	H	OMNI	FSK		TNW
432.480	VK8VF	Darwin	Darwin	PH57	P	-	-	-	-	-		SDA
432.510	VK2RBD	Bald Hill	Cooma - Monaro	QF43	O	-	1770	H	OMNI	CW		NFD 13
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	O	25	125	H	OMNI	FSK	VMV	10
432.536	VK3RMB	Mt Buninyong	Ballarat	QF12	O	10	750	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	WVH	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	1	-	H	OMNI	-		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	FM		QTO 15
1296.450	VK5VF	Mt Lofty	Adelaide	PF95	X	50	680	H	OMNI	FSK	SWI	5
1296.460	VK6RPH	Walliston	Perth	OF88	O	* 30	337	H	OMNI	FSK	WVH	
1296.510	VK2RBD	Bald Hill	Cooma - Monaro	QF43	P	-	1770	H	OMNI	CW		NFD 13
1296.530	VK3RXX	Burwood	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	O	10	125	H	OMNI	FSK	VMV	10
1296.536	VK3RMB	Mt Buninyong	Ballarat	QF12	P	10	750	H	OMNI	CW		VBA
1296.550	VK5RLZ	Elizabeth	Adelaide North	PF95	O	.05	82	H	OMNI	FSK	SVH	
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	WVH	

Higher Bands

2403.420	VK2RSY	Dural	Sydney	QF56	P	-	240	-	-	-		NAR
2403.424	VK2R--	Blue Mountains	Blue Mountains	-	P	-	-	-	-	-		NBM
2403.440	VK4RBB	Murrarie	Brisbane	QG62	O	2	-	-	OMNI	CW		QBV
2403.444	VK4RTL	Mt Stuart	Townsville	QH30	P	-	582	V	OMNI	FSK		QTO
2403.450	VK5VF	Mt Lofty	Adelaide	PF95	X	50	680	H	WEST	FSK	SWI	5
2403.460	VK6RSP	Melville	Perth	OF77	P	10	-	H	OMNI	FSK	WVH	
2403.530	VK3RXX	Burwood	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
2403.550	VK5RLZ	Elizabeth	Adelaide	PF95	X	.05	73	H	OMNI	FSK	SVH	
3400.420	VK2RSY	Dural	Sydney	QF56	P	10	240	H	OMNI	CW		NAR
3400.450	VK5VF	Mt Lofty	Adelaide	PF95	X	-	680	H	WEST	FSK	SWI	
3400.550	VK5RLZ	Elizabeth	Adelaide	PF95	X	-	73	H	OMNI	FSK	SVH	

Freq	Call	Location	Area	Grid	ST	PWR	HASL	Pol	Dir	Mode	Sp	Notes
5670.444	VK4RTL	Mt Stuart	Townsville	QH30	P	-	582	V	OMNI	FSK	QTO	
5760.420	VK2RSY	Dural	Sydney	QF56	P	10	240	H	OMNI	CW	NAR	
5760.444	VK4RTL	Mt Stuart	Townsville	QH30	P	-	582	V	OMNI	FSK	QTO	
5760.450	VK5VF	Mt Lofty	Adelaide	PF95	X	5	680	H	OMNI	FSK	SWI	5
5760.460	VK6RSP	Melville	Perth	OF77	O	1	-	H	OMNI	FSK	WVH	
5760.550	VK5RLZ	Elizabeth	Adelaide	PF95	T	2	73	H	OMNI	FSK	SVH	
10368.420	VK2RSY	Dural	Sydney	QF56	P	-	240	-	-	-	NAR	
10368.440	VK4RBB	Bulimba	Brisbane	QG62	O	-	-	-	OMNI	CW	QBV	
10368.444	VK4RTL	Mt Stuart	Townsville	QH30	P	-	582	V	OMNI	FSK	QTO	
10368.450	VK5VF	Mt Lofty	Adelaide	PF95	X	10	680	H	OMNI	CW	SWI	5
10368.460	VK6RSP	Melville	Perth	OF77	O	1	-	H	OMNI	FSK	WVH	
10368.538	VK3RWL	Mt Warrnambool	SW Victoria	QF11	X	2	220	H	E / W	CW	VAR	
10368.550	VK5RLZ	Elizabeth	Adelaide	PF95	T	10	73	H	OMNI	FSK	SVH	
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	WVH	
10368.564	VK6RST	Mt Barker	Southern WA	OF85	O	* 200	-	H	EAST	FSK	WVH	
10448.444	VK4RTL	Mt Stuart	Townsville	QH30	P	-	582	V	OMNI	FSK	QTO	
24048.444	VK4RTL	Mt Stuart	Townsville	QH30	P	-	582	V	OMNI	FSK	QTO	
24048.550	VK5RLZ	Elizabeth	Adelaide	PF95	X	-	73	-	-	-	SVH	
24048.560	VK6RSP	Melville	Perth	OF77	P	* 1	-	H	OMNI	FSK	WVH	

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
145.575	VK6RIB	Walliston	Perth	OF78	O	10	350	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.
- 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.
- 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.
- 15 23cm VK4RTL produces continuous carrier which is FM modulated with a 1kHz audio tone Morse Identifier.
- 20 VK3RGL 144.530 uses two 5-element yagis beaming W and NE (293 and 38 degrees) from Geelong. Power is 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.
- 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.
- 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
NFD FM DX Group
NHG Hunter Radio 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
QCA Cairns ARC
QGC Gold Coast ARS
QTB Tablelands REC
QTO Townsville ARC

South Australia and N.T.

SAL Alice Springs ARC
SDA Darwin ARC
SSE SE Radio Group
SVH SA VHF Group
SWI WIA

Western Australia

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

Tasmania

THH VK7HAY
TNW NW Tas. AR Interest Group
TRS Radio and Electronics Ass.
of Southern Tasmania