

Electus Distribution Reference Data Sheet: NZMARINE.PDF

NEW ZEALAND TV CHANNEL FREQUENCIES

Channel	Vision carrier (MHz) AM	Primary sound carrier (MHz) FM	Channel	Vision carrier (MHz) AM	Primary sound carrier (MHz) FM	Channel	Vision carrier (MHz) AM	Primary sound carrier (MHz) FM
1	45.25	50.75	32	559.25	564.75	48	687.25	692.75
2	55.25	60.75	33	567.25	572.75	49	695.25	700.75
3	62.25	67.75	34	575.25	580.75	50	703.25	708.75
4	175.25	180.75	35	583.25	588.75	51	711.25	716.75
5	182.25	187.75	36	591.25	596.75	52	719.25	725.75
6	189.25	194.75	37	599.25	604.75	53	727.25	732.75
7	196.25	201.75	38	607.25	612.75	54	735.25	740.75
8	203.25	208.75	39	615.25	620.75	55	743.25	748.75
9	210.25	215.75	40	623.25	628.75	56	751.25	756.75
10	217.25	222.75	41	631.25	636.75	57	759.25	764.75
11	224.25	229.75	42	639.25	644.75	58	767.25	772.75
27	519.25	524.75	43	647.25	652.75	59	775.25	780.75
28	527.25	532.75	44	655.25	660.75	60	783.25	788.75
29	535.25	540.75	45	663.25	668.75	61	791.25	796.75
30	543.25	548.75	46	671.25	676.75	62	799.25	804.75
31	551.25	556.75	47	679.25	684.75			

NOTES

Channels 1 - 3 are VHF Low Band (I)
Channels 4 - 11 are VHF High Band (III)
Channels 27 - 62 are UHF Band (IV and V)

Transmissions conform to 625-line CCIR System B on VHF and System G on UHF, with PAL colour (compatible with Australian Standards).

The 20-year management rights for channel 27 - 34 and 43 - 62 have been sold to a number of television companies.

Channels 35 - 38 are currently used for Aeronautical Radionavigation (Radar).
Channel 39 is used for Amateur Television and Amateur Narrow band modes.

Channels 40 to 42 are used for low power television.

27MHz MARINE FREQUENCIES

NOTE: Many seagoing operators now only monitor VHF Distress Channels. If purchasing a marine transceiver, a VHF marine transceiver is now strongly recommended.

Freq.	Allocated Use
27.680	Commercial operations; calling & working ship-ship & ship-shore
27.720	Professional fishing; calling & working ship-ship & ship-shore
27.820	Professional fishing; calling & working ship-ship & ship-shore
27.860	Secondary distress channel: Safety monitoring & calling
27.880	Primary distress channel: Safety monitoring & calling
27.900	Licensed public use (non-com.) Calling & working ship-ship
27.910	Licensed public use (non-com.) Calling & working ship-ship
27.940	Licensed public use; club events (eg fishing clubs), ship-ship & ship-shore
27.960	Licensed public use. Ship-ship
27.980	Rescue organisations, eg. surf rescue, volunteer coast guard

AUSTRALIAN & NEW ZEALAND CB RADIO CHANNELS

Chan.	Aust HF (MHz)	Aust UHF (MHz)	NZ HF (MHz)	Chan.	Aust HF (MHz)	Aust UHF (MHz)	NZ HF (MHz)	Chan.	Aust HF (MHz)	Aust UHF (MHz)	NZ HF (MHz)
1	26.965	476.425	26.330	19	27.185	476.875	26.550	37	27.375	477.325	26.740
2	26.975	476.450	26.340	20	27.205	476.900	26.570	38	27.385	477.350	26.750
3	26.985	476.475	26.350	21	27.215	476.925	26.580	39	27.395	477.375	26.760
4	27.005	476.500	26.370	22	27.225	476.950	26.590	40	27.405	477.400	26.770
5	27.015	476.525	26.380	23	27.255	476.975	26.620				
6	27.025	476.550	26.390	24	27.235	477.000	26.600				
7	27.035	476.575	26.400	25	27.245	477.025	26.610				
8	27.055	476.600	26.420	26	27.265	477.050	26.630				
9	27.065	476.625	26.430	27	27.275	477.075	26.640				
10	27.075	476.650	26.440	28	27.285	477.100	26.650				
11	27.085	476.675	26.450	29	27.295	477.125	26.660				
12	27.105	476.700	26.470	30	27.305	477.150	26.670				
13	27.115	476.725	26.480	31	27.315	477.175	26.680				
14	27.125	476.750	26.490	32	27.325	477.200	26.690				
15	27.135	476.775	26.500	33	27.335	477.225	26.700				
16	27.155	476.800	26.520	34	27.345	477.250	26.710				
17	27.165	476.825	26.530	35	27.355	477.275	26.720				
18	27.175	476.850	26.540	36	27.365	477.300	26.730				

Emergency Channels

Aust. HF (AM) Channel 9
Aust. UHF Channel 5/35
NZ HF Channel 15

Calling Channels

Aust. HF (AM) Channel 11
Aust. HF (SSB) Channel 16
Aust. UHF Channel 11
NZ HF (AM) Channel 15

Notes

NZ Channels 1-24 are for AM use only
NZ Channels 25-40 are for SSB only.

AUSTRALIAN VHF MARINE CHANNELS

Chan.	Ship Freq (MHz)	Shore Freq (MHz)	Chan.	Ship Freq (MHz)	Shore Freq (MHz)	Chan.	Ship Freq (MHz)	Shore Freq (MHz)
1	156.050	160.650	20	157.000	161.600	71	156.575	156.575
2	156.100	160.700	21	157.050	161.650	72	156.625	156.625
3	156.150	160.750	22	157.100	161.700	73	156.675	156.675
4	156.200	160.800	23	157.150	161.750	74	156.725	156.725
5	156.250	160.850	24	157.200	161.800	77	156.875	156.875
			25	157.250	161.850			
6	156.300	156.300	26	157.300	161.900	78	156.925	161.525
7	156.350	160.950	27	157.350	161.950	79	156.975	161.575
8	156.400	156.400	28	157.500	162.000	80	157.025	161.625
						81	157.075	161.675
9	156.450	156.450	60	156.025	160.625	82	157.125	161.725
10	156.500	156.500	61	156.075	160.675	83	157.175	161.775
11	156.550	156.550	62	156.125	160.725	84	157.225	161.825
12	156.600	156.600	63	156.175	160.775	85	157.275	161.875
13	156.650	156.650	64	156.225	160.825	86	157.325	161.925
14	156.700	156.700	65	156.275	160.875	87	157.375	161.975
15	156.750	156.750	66	156.325	160.925	88	157.425	162.025
16	156.800	156.800						
17	156.850	156.850	67	156.375	156.375			
			68	156.425	156.425			
18	156.900	161.500	69	156.475	156.475			
19	156.950	161.550	70	156.525	156.525			

MARINE CHANNEL USE

Chan	Allocated Use
6	Search and Rescue (SAR); Port & Commercial Operations
8	Port & Commercial Operations
9-14	Port Operations
16	Distress and Safety monitoring
20	Port Operations
23-28	Licensed Public Use, Radio Telephone (Seaphone)
67	Distress and Safety monitoring
68	Port Operations
71	Professional Fishing
72	Yachts, Commercial Operations, Professional Fishing, Port Operations
73	Non Commercial, Yachts, Licensed Public Use
74	Commercial Operations
77	Yachts, Professional Fishing
78	Commercial Operations
79	Port Operations
87	Licensed Public Use, Radio Telephone (Seaphone)