

Property	40MHz	42MHz	44MHz	46MHz	48MHz	50MHz	52MHz	54MHz	56MHz	58MHz	60MHz	62MHz	64MHz	66MHz	68MHz	70MHz	72MHz	74MHz	76MHz	78MHz	80MHz	82MHz	84MHz	86MHz	88MHz	90MHz	92MHz	94MHz	96MHz	98MHz	100MHz					
Alt. Pow. (dB)	-18.36	-17.32	-16.58	-15.75	-14.62	-13.95	-13.02	-12.18	-11.22	-10.4	-9.68	-9.21	-8.95	-9.02	-9.33	-9.62	-10.02	-10.54	-11.2	-11.23	-11.73	-12.48	-12.96	-12.89	-13.33	-13.93	-14.36	-14.42	-14.7	-14.72	-14.9	-15.16	-15.16	-15.49	-16.42	
Rad. Pow. (dB)	-21.55	-20.55	-19.79	-18.83	-17.76	-17.06	-16.12	-15.25	-14.28	-13.47	-12.76	-12.31	-12.07	-12.18	-12.54	-12.88	-13.33	-13.91	-14.64	-14.72	-15.23	-15.97	-16.44	-16.36	-16.78	-17.36	-17.8	-17.86	-18.53	-18.16	-18.32	-18.57	-18.54	-18.86	-19.77	
Rad. Pow. @ 0.01 (dB)	-16.07	-15	-14.25	-13.32	-12.16	-11.46	-10.59	-9.71	-8.56	-7.57	-6.95	-6.51	-6.15	-6.16	-6.45	-6.83	-7.3	-7.64	-8.23	-8.33	-8.98	-9.72	-9.97	-9.84	-10.33	-11.25	-11.53	-11.51	-11.97	-12.07	-12.34	-12.45	-12.53	-13.03	-13.95	
Peak ERP (dB)	2.29	3.32	2.33	2.43	2.46	2.49	2.43	2.47	2.66	2.83	2.73	2.7	2.8	2.86	2.88	2.79	2.72	2.9	2.97	2.9	2.75	2.76	2.99	3.05	2.8	2.68	2.83	2.91	2.73	2.65	2.56	2.71	2.63	2.46	2.47	
Efficiency (dB)	-18.36	-17.32	-16.58	-15.75	-14.62	-13.95	-13.02	-12.18	-11.22	-10.4	-9.68	-9.21	-8.95	-9.02	-9.33	-9.62	-10.02	-10.54	-11.2	-11.23	-11.73	-12.48	-12.96	-12.89	-13.33	-13.93	-14.36	-14.42	-14.7	-14.72	-14.9	-15.16	-15.16	-15.49	-16.42	
Efficiency (%)	1.46	1.85	2.2	2.66	3.45	4.03	4.99	6.05	7.55	9.12	10.76	11.99	12.74	12.53	11.67	10.91	9.95	8.83	7.59	7.53	6.71	5.65	5.06	5.14	4.65	4.05	3.66	3.61	3.39	3.37	3.24	3.05	3.05	2.82	2.28	
Gain (dB)	-16.07	-15	-14.25	-13.32	-12.16	-11.46	-10.59	-9.71	-8.56	-7.57	-6.95	-6.51	-6.15	-6.16	-6.45	-6.83	-7.3	-7.64	-8.23	-8.33	-8.98	-9.72	-9.97	-9.84	-10.33	-11.25	-11.53	-11.51	-11.97	-12.07	-12.34	-12.45	-12.53	-13.03	-13.95	
NRRP +50 (dB)	-21.77	-20.77	-19.97	-19.17	-18.05	-17.49	-16.71	-15.83	-14.87	-13.98	-13.28	-12.59	-11.83	-11.47	-11.44	-11.62	-12.09	-12.55	-13.17	-14.1	-14.62	-14.88	-15.01	-15.77	-16.3	-16.24	-16.44	-17.24	-17.81	-18.06	-18.07	-18.58	-18.59	-18.93	-19.88	
NRRP +45 (dB)	-20.16	-19.1	-18.36	-17.25	-16.44	-15.79	-14.86	-14.03	-13.11	-12.22	-11.59	-11.11	-10.86	-10.92	-11.21	-11.47	-11.82	-12.35	-12.99	-13.97	-14.18	-14.69	-14.63	-15.04	-15.63	-16.1	-16.17	-16.43	-16.45	-16.64	-16.93	-16.94	-17.28	-17.28	-17.62	-18.57
Minimum H-V Value (dB)	-16.07	-15	-14.25	-13.32	-12.16	-11.46	-10.59	-9.71	-8.56	-7.57	-6.95	-6.51	-6.15	-6.16	-6.45	-6.83	-7.3	-7.64	-8.23	-8.33	-8.98	-9.72	-9.97	-9.84	-10.33	-11.25	-11.53	-11.51	-11.97	-12.07	-12.34	-12.45	-12.53	-13.03	-13.95	
Minimum H-V @ Theta (deg.)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Minimum H-V @ Phi (deg.)	215	200	215	285	285	285	300	285	300	285	300	285	300	285	300	285	300	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
Minimum H-V @ Theta (deg.)	-20.8	-24.88	-27.24	-25.02	-24.7	-23.54	-22.72	-21.88	-20.58	-19.71	-18.97	-18.42	-18.13	-18.33	-18.62	-19.04	-19.29	-19.87	-20.64	-20.86	-21.29	-22.23	-22.72	-22.94	-23.6	-24.35	-25.03	-25.34	-25.82	-26.09	-26.54	-27.02	-27.31	-27.93	-29.17	
Minimum H-V @ Phi (deg.)	105	105	105	105	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
Horizontal (°)	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
Alt. Pow. Imp. Pow. (dB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H Rad. Pow. (dB)	-23.39	-22.43	-21.72	-20.76	-19.58	-18.93	-18.12	-17.3	-16.1	-15.14	-14.55	-14.11	-13.78	-13.74	-14	-14.4	-14.92	-15.16	-15.71	-15.79	-16.44	-17.06	-17.28	-17.15	-17.78	-18.42	-18.71	-18.66	-19.08	-19.22	-19.43	-19.53	-19.59	-20.06	-20.93	
H Rad. Pow. @ 0.01 (dB)	-26.4	-25.41	-24.69	-23.74	-22.57	-21.93	-21.11	-20.29	-19.07	-18.09	-17.47	-17.07	-16.63	-16.58	-16.79	-17.14	-17.61	-17.81	-18.3	-18.33	-18.96	-19.56	-19.76	-19.61	-20.23	-20.86	-21.15	-21.07	-21.49	-21.62	-21.84	-21.94	-22.2	-22.46	-23.36	
H Rad. Pow. @ 180 (dB)	-26.4	-25.47	-24.76	-23.8	-22.61	-21.96	-21.15	-20.33	-19.15	-18.21	-17.65	-17.29	-16.91	-16.84	-17.25	-17.7	-18.27	-18.57	-19.19	-19.23	-20	-20.61	-20.89	-20.79	-21.43	-22.08	-22.38	-22.38	-22.4	-22.93	-23.15	-23.24	-23.3	-23.77	-24.63	
H Peak ERP (dB)	-16.41	-15.42	-14.66	-13.68	-12.47	-11.78	-10.96	-10.14	-8.87	-7.92	-7.29	-6.9	-6.48	-6.46	-6.68	-7.05	-7.56	-7.79	-8.34	-8.45	-9.12	-9.78	-10.01	-9.89	-10.59	-11.33	-11.61	-11.6	-12.08	-12.19	-12.48	-12.56	-12.7	-13.22	-14.14	
H Directivity (dB)	-6.98	7.01	7.06	7.08	7.11	7.15	7.16	7.16	7.25	7.22	7.26	7.27	7.28	7.28	7.32	7.35	7.36	7.37	7.37	7.34	7.32	7.28	7.27	7.26	7.19	7.09	7.1	7.06	7.03	6.95	6.93	6.89	6.84	6.79		
H Efficiency (dB)	-23.39	-22.43	-21.72	-20.76	-19.58	-18.93	-18.12	-17.3	-16.1	-15.14	-14.55	-14.11	-13.78	-13.74	-14	-14.4	-14.92	-15.16	-15.71	-15.79	-16.44	-17.06	-17.28	-17.15	-17.78	-18.42	-18.71	-18.66	-19.08	-19.22	-19.43	-19.53	-19.59	-20.06	-20.93	
H Efficiency (%)	0.46	0.57	0.67	0.84	1.1	1.28	1.54	1.86	2.45	3.06	3.51	3.83	4.21	4.23	3.98	3.63	3.22	3.05	2.69	2.64	2.27	1.97	1.87	1.93	1.67	1.44	1.35	1.36	1.24	1.12	1.14	1.11	1.09	0.81		
H Gain (dB)	-16.41	-15.42	-14.66	-13.68	-12.47	-11.78	-10.96	-10.14	-8.87	-7.92	-7.29	-6.9	-6.48	-6.46	-6.68	-7.05	-7.56	-7.79	-8.34	-8.45	-9.12	-9.78	-10.01	-9.89	-10.59	-11.33	-11.61	-11.6	-12.08	-12.19	-12.48	-12.56	-12.7	-13.22	-14.14	
H NRRP +50 (dB)	-20.01	-20.05	-21.35	-20.4	-20.28	-20.64	-21.86	-23.06	-24.86	-26.91	-29.31	-30.91	-30.84	-30.41	-30.63	-30.98	-30.45	-30.64	-31.11	-31.1	-31.69	-32.26	-32.43	-32.24	-32.82	-33.41	-33.67	-33.55	-33.96	-34.03	-34.2	-34.3	-34.33	-34.79	-35.65	
H NRRP +45 (dB)	-26.71	-25.75	-25.04	-24.09	-22.92	-22.29	-21.49	-20.67	-19.47	-18.51	-17.91	-17.52	-17.09	-17.04	-17.27	-17.64	-18.12	-18.32	-18.88	-19.46	-20.05	-20.24	-20.07	-20.67	-21.29	-21.56	-21.58	-21.88	-21.99	-22.19	-22.28	-22.33	-22.78	-23.67		
Minimum H Value (dB)	-16.41	-15.42	-14.66	-13.68	-12.47	-11.78	-10.96	-10.14	-8.87	-7.92	-7.29	-6.9	-6.48	-6.46	-6.68	-7.05	-7.56	-7.79	-8.34	-8.45	-9.12	-9.78	-10.01	-9.89	-10.59	-11.33	-11.61	-11.6	-12.08	-12.19	-12.48	-12.56	-12.7	-13.22	-14.14	
Minimum H @ Theta (deg.)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Minimum H @ Phi (deg.)	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
Minimum H @ Theta (deg.)	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
Minimum H @ Phi (deg.)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Vertical (°)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Alt. Pow. Imp. Pow. (dB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
V Rad. Pow. (dB)	-20	-18.91	-18.17	-17.4	-16.29	-15.61	-14.63	-13.78	-12.92	-12.18	-11.4	-10.89	-10.69	-10.8	-11.13	-11.58	-12.17	-12.88	-13.09	-13.08	-13.52	-14.34	-14.97	-14.94	-15.26	-15.83	-16.55	-16.47	-16.67	-16.63	-16.79	-17.14	-17.09	-17.36	-18.32	
V Rad. Pow. @ 0.01 (dB)	-22.77	-21.66	-20.93	-20.18	-19.12	-18.48	-17.53	-16.7	-15.88	-15.13	-14.35	-13.82	-13.61	-13.67	-13.97	-14.18	-14.46	-15.07	-15.73	-15.69	-16.11	-16.96	-17.62	-17.62	-17.96	-18.66	-19.09	-19.22	-19.41	-19.37	-19.56	-19.93	-19.91	-20.2	-21.17	
V Rad. Pow. @ 180 (dB)	-23.27	-22.2	-21.45	-20.65	-19.48	-18.77	-17.76	-16.87	-15.99	-15.24	-14.47	-13.97	-13.8	-13.95	-14.33	-14.62	-15.1	-15.73	-16.22	-16.56	-16.99	-17.77	-18.37	-18.31	-18.6	-19.15	-19.95	-19.78	-19.78	-19.97	-20.06	-20.38	-20.31	-20.55	-21.5	
V Peak ERP (dB)	-16.33	-15.36	-14.61	-13.9	-12.77	-12.04	-11.08	-10.2	-9.3	-8.56	-7.84	-7.84	-7.15	-7.32	-7.62	-7.85	-8.14	-8.74	-9.43																	