

Frequency	23GHz	231GHz	250GHz	253GHz	254GHz	259GHz	256GHz	257GHz	258GHz	259GHz	24GHz	241GHz	242GHz	243GHz	244GHz	245GHz	246GHz	247GHz	248GHz	249GHz	250GHz	251GHz	252GHz	253GHz	254GHz	255GHz	256GHz	257GHz	258GHz	259GHz	26GHz	
Ant. Port Imp. Pow. (dBm)	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	
Rad. Pow. (dBm)	-7.79	-7.23	-7.13	-7	-6.37	-6.22	-5.61	-5.3	-4.74	-4.67	-4.28	-3.87	-3.56	-3.41	-3.02	-3.58	-3.31	-3.45	-3.76	-3.75	-3.31	-3.61	-3.88	-3.91	-3.69	-4	-4.31	-4.36	-4.39	-4.46	-4.33	
Rad. Pow. 90-180 (dBm)	-11.02	-10.42	-10.31	-10.16	-9.52	-9.37	-8.78	-8.47	-7.9	-7.82	-7.42	-6.98	-6.7	-6.61	-6.82	-6.81	-6.63	-6.82	-7.18	-7.21	-6.82	-7.15	-7.44	-7.48	-7.26	-7.56	-7.79	-7.91	-7.92	-7.95	-7.77	
Rad. Pow. 90-180 (dBm)	-10.59	-10.07	-9.98	-9.87	-9.24	-9.09	-8.46	-8.16	-7.61	-7.55	-7.17	-6.78	-6.45	-6.3	-6.45	-6.34	-6.03	-6.12	-6.39	-6.35	-5.88	-6.15	-6.4	-6.43	-6.2	-6.51	-6.76	-6.9	-6.93	-7.04	-6.96	
Peak ERP (dBm)	-3.09	-2.53	-2.5	-2.57	-1.95	-1.65	-1.19	-0.86	-0.11	-0.22	0	0.56	0.72	0.51	0.71	0.64	0.94	0.94	0.74	0.58	1.09	0.69	0.5	0.43	0.66	0.4	0.27	0.13	0.2	0.06	-0.02	
Directivity (dBi)	4.7	4.7	4.63	4.43	4.42	4.57	4.42	4.44	4.63	4.45	4.28	4.43	4.28	3.95	4.33	4.2	4.25	4.39	4.5	4.33	4.4	4.3	4.38	4.34	4.35	4.4	4.23	4.36	4.39	4.46	4.31	
Efficiency (%)	-7.79	-7.23	-7.13	-7	-6.37	-6.22	-5.61	-5.3	-4.74	-4.67	-4.28	-3.87	-3.56	-3.44	-3.02	-3.58	-3.31	-3.45	-3.76	-3.75	-3.31	-3.61	-3.88	-3.91	-3.69	-4	-4.23	-4.36	-4.39	-4.46	4.31	
Efficiency (%)	16.63	18.02	19.36	19.05	21.07	23.88	27.48	29.51	33.57	34.12	37.33	41.02	44.06	45.29	43.45	44.06	46.07	45.39	42.07	42.17	46.07	43.55	40.93	40.64	42.76	39.81	37.76	36.64	36.39	35.81	36.9	
Gain (dBi)	-3.09	-2.53	-2.5	-2.57	-1.95	-1.65	-1.19	-0.86	-0.11	-0.22	0	0.56	0.72	0.51	0.71	0.64	0.94	0.94	0.74	0.58	1.09	0.69	0.5	0.43	0.66	0.4	0.27	0.13	0.2	0.06	-0.02	
NHPRP +30 (dBm)	-10.62	-10.03	-9.94	-9.79	-9.14	-8.98	-8.38	-8.07	-7.49	-7.43	-7.03	-6.62	-6.33	-6.24	-6.47	-6.46	-6.29	-6.48	-6.83	-6.83	-6.39	-6.67	-6.9	-6.89	-6.63	-6.91	-7.11	-7.23	-7.24	-7.27	-7.1	
NHPRP +45 (dBm)	-9.08	-8.51	-8.41	-8.27	-7.64	-7.51	-6.91	-6.61	-6.04	-5.98	-5.59	-5.2	-4.91	-4.8	-5.02	-5.01	-4.82	-4.99	-5.33	-5.32	-4.87	-5.15	-5.37	-5.37	-5.12	-5.41	-5.61	-5.71	-5.7	-5.73	-5.56	
Maximum H+V Value (dBm)	-3.09	-2.53	-2.5	-2.57	-1.95	-1.65	-1.19	-0.86	-0.11	-0.22	0	0.56	0.72	0.51	0.71	0.64	0.94	0.94	0.74	0.58	1.09	0.69	0.5	0.43	0.66	0.4	0.27	0.13	0.2	0.06	-0.02	
Maximum H+V @ Theta (deg.)	105	105	105	105	90	75	75	75	75	75	75	75	75	75	120	120	120	120	120	120	90	90	90	90	90	90	90	90	90	90	90	
Minimum H+V @ Phi (deg.)	180	180	180	180	45	165	165	165	165	165	165	165	165	165	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
Minimum H+V @ Theta (deg.)	-18.09	-17.1	-17.19	-16.99	-16.85	-17.1	-17.46	-17.28	-17.14	-17.46	-17.28	-17.14	-17.46	-15.42	-15.56	-15.89	-16	-15.16	-14.35	-14.12	-13.97	-13.48	-15.06	-16.6	-16.92	-16.34	-15.93	-15.98	-16.16	-16	-16.08	
Minimum H+V @ Phi (deg.)	60	60	60	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	105	105	105	105	105	105	150	150	150	105	105
Minimum H+V @ Phi (deg.)	225	225	225	15	15	15	15	15	15	15	15	15	15	15	30	30	30	30	30	30	30	300	285	285	285	285	285	45	45	45	285	285
Horizontal O																																
Ant. Port Imp. Pow. (dBm)	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. (dBm)	-11.71	-11.21	-11.23	-11.2	-10.53	-9.08	-8.65	-8.18	-8.66	-8.57	-8.33	-7.73	-7.35	-7.38	-7.54	-7.17	-6.73	-6.83	-7.04	-7.16	-6.77	-6.93	-7.47	-7.55	-7.43	-7.66	-8.07	-8.32	-8.57	-8.83	-8.65	
H Rad. Pow. 90-180 (dBm)	-14.65	-14.09	-14.1	-14.06	-13.38	-12.86	-12.53	-12.07	-11.54	-11.45	-11.22	-10.61	-10.24	-10.33	-10.53	-10.23	-9.85	-10.02	-10.31	-10.48	-10.14	-10.32	-10.86	-10.94	-10.83	-11.05	-11.47	-11.75	-12.06	-12.38	-12.24	
H Rad. Pow. 90-180 (dBm)	-14.78	-14.35	-14.4	-14.37	-13.7	-13.14	-12.8	-12.31	-11.8	-11.72	-11.47	-10.86	-10.45	-10.46	-10.57	-10.13	-9.63	-9.67	-9.82	-9.89	-9.45	-9.59	-10.14	-10.21	-10.08	-10.33	-10.72	-10.95	-11.15	-11.35	-11.14	
H Peak ERP (dBm)	-4.3	-3.46	-3.75	-3.81	-2.97	-2.48	-2.09	-1.74	-0.96	-1.08	-0.89	-0.21	0	-0.02	-0.94	-0.65	-0.39	-0.74	-1.09	-0.95	-0.46	-0.73	-1.49	-1.57	-1.22	-1.13	-1.31	-1.45	-1.55	-1.59	-1.33	
H Directivity (dBi)	7.41	7.35	7.48	7.39	7.56	7.5	7.56	7.44	7.7	7.49	7.44	7.52	7.33	6.76	6.6	6.52	6.34	6.09	5.95	6.21	6.31	6.2	5.98	5.98	6.21	6.53	6.76	6.87	7.02	7.24	7.32	
H Efficiency (dBm)	-11.71	-11.21	-11.23	-11.2	-10.53	-9.08	-8.65	-8.18	-8.66	-8.57	-8.33	-7.73	-7.35	-7.38	-7.54	-7.17	-6.73	-6.83	-7.04	-7.16	-6.77	-6.93	-7.47	-7.55	-7.43	-7.66	-8.07	-8.32	-8.57	-8.83	-8.65	
H Efficiency (%)	6.75	7.57	7.53	7.59	8.85	10.05	10.84	12.08	13.61	13.9	14.69	16.87	18.49	18.28	17.62	19.19	21.23	20.75	19.77	19.23	21.04	20.38	17.91	17.58	18.07	17.14	15.6	14.72	13.9	13.09	13.65	
H Gain (dBi)	-4.3	-3.46	-3.75	-3.81	-2.97	-2.48	-2.09	-1.74	-0.96	-1.08	-0.89	-0.21	0	-0.02	-0.94	-0.65	-0.39	-0.74	-1.09	-0.95	-0.46	-0.73	-1.49	-1.57	-1.22	-1.13	-1.31	-1.45	-1.55	-1.59	-1.33	
H NHPRP +30 (dBm)	-14.36	-13.86	-13.9	-13.88	-13.21	-12.67	-12.37	-11.93	-11.4	-11.35	-11.13	-10.53	-10.14	-10.23	-10.44	-10.15	-9.79	-9.97	-10.24	-10.4	-10	-10.12	-10.6	-10.62	-10.47	-10.65	-11.03	-11.29	-11.57	-11.85	-11.67	
H NHPRP +45 (dBm)	-13.02	-12.52	-12.57	-12.55	-11.89	-11.37	-11.07	-10.63	-10.14	-10.1	-9.9	-9.33	-8.97	-9.06	-8.26	-8.95	-8.56	-8.72	-8.97	-9.1	-8.7	-8.82	-9.3	-9.33	-9.17	-9.35	-9.72	-9.96	-10.21	-10.46	-10.26	
Maximum H+V Value (dBm)	-4.3	-3.46	-3.75	-3.81	-2.97	-2.48	-2.09	-1.74	-0.96	-1.08	-0.89	-0.21	0	-0.02	-0.94	-0.65	-0.39	-0.74	-1.09	-0.95	-0.46	-0.73	-1.49	-1.57	-1.22	-1.13	-1.31	-1.45	-1.55	-1.59	-1.33	
Maximum H+V @ Theta (deg.)	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	165	165	165	165	90	90	90	90	90	90	
Minimum H+V @ Phi (deg.)	180	165	165	180	165	165	165	165	165	165	165	165	165	165	165	165	165	150	150	150	285	285	285	285	120	120	120	120	120	120	120	120
Minimum H Value (dBm)	-35.18	-33.53	-33.99	-31.64	-28.53	-32.06	-34.15	-32.27	-20.28	-28.38	-35.83	-33.57	-32.56	-33.24	-31.93	-33.69	-31.3	-26.76	-24.71	-25.63	-29.71	-29.88	-29.64	-35.77	-41.3	-32.25	-33.93	-40.74	-41.77	-35.13	-35.42	
Minimum H+V @ Theta (deg.)	0	0	0	60	75	75	105	105	60	165	165	165	165	150	150	150	150	150	150	150	105	105	75	75	90	90	45	45	45	45	105	
Minimum H+V @ Phi (deg.)	225	225	225	225	240	240	225	225	225	195	195	195	210	210	210	210	210	210	210	285	285	210	225	225	225	225	210	210	210	210	255	255
Vertical O																																
Ant. Port Imp. Pow. (dBm)	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. (dBm)	-10.05	-9.45	-9.27	-9.08	-8.47	-8.59	-7.78	-7.59	-7	-6.95	-6.45	-6.17	-5.93	-5.69	-5.88	-6.04	-5.95	-6.11	-6.51	-6.39	-5.92	-6.33	-6.37	-6.37	-6.07	-6.44	-6.55	-6.6	-6.48	-6.44	-6.34	
V Rad. Pow. 90-180 (dBm)	-13.49	-12.85	-12.66	-12.44	-11.82	-11.95	-11.15	-10.97	-10.36	-10.29	-9.76	-9.45	-9.24	-9	-9.22	-9.44	-9.45	-9.65	-10.08	-9.97	-9.54	-10	-10.08	-10.08	-9.77	-10.14	-10.22	-10.22	-10.04	-9.9	-9.69	
V Rad. Pow. 90-180 (dBm)	-12.67	-12.09	-11.93	-11.77	-11.16	-11.27	-10.46	-10.27	-9.69	-9.64	-9.18	-8.93	-8.65	-8.41	-8.57	-8.68	-8.53	-8.65	-9.02	-8.9	-8.4	-8.78	-8.78	-8.48	-8.85	-8.99	-9.07	-9	-9.05	-9.04		
V Peak ERP (dBm)	-4.18	-3.5	-3.38	-3.36	-2.62	-2.64	-1.83	-1.71	-1.08	-1.06	-0.57	-0.22	0.02	0.28	0.32	0.08	0.33	0.31	0.08	0.26	0.09	-0.51	-0.55	-0.57	-0.28	0.51	-0.57	-0.63	-0.48	-0.64	-0.45	
V Directivity (dBi)	5.87	5.95	5.89	5.72	5.85	5.95	5.95	5.88	5.92	5.89	5.88	5.95	5.95	5.97	6.2	6.12	6.28	6.42	6.59	6.13	6.01	5.82	5.82	5.8	5.79	5.93	5.98	5.97	6	5.8	5.89	
V Efficiency (dBm)	-10.05	-9.45	-9.27	-9.08	-8.47	-8.59	-7.78	-7.59	-7	-6.95	-6.45	-6.17	-5.93	-5.69	-5.88	-6.04	-5.95	-6.11	-6.51	-6.39	-5.92	-6.33	-6.37	-6.37	-6.07	-6.44	-6.55	-6.6	-6.48	-6.44	-6.34	
V Efficiency (%)	9.89	11.35	11.83	12.36																												

Frequency	2.3GHz	2.31GHz	2.5GHz	2.53GHz	2.54GHz	2.55GHz	2.56GHz	2.57GHz	2.58GHz	2.59GHz	2.6GHz	2.61GHz	2.62GHz	2.63GHz	2.64GHz	2.65GHz	2.66GHz	2.67GHz	2.68GHz	2.69GHz	2.5GHz	2.51GHz	2.52GHz	2.53GHz	2.54GHz	2.55GHz	2.56GHz	2.57GHz	2.58GHz	2.59GHz	2.6GHz	
Ant. Port Imp. Fw. (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	
Rad. Fw. (dBi)	-4.35	-4.04	-4.01	-4.05	-3.78	-3.51	-3.12	-2.93	-2.76	-2.64	-2.3	-2.09	-2.17	-2.41	-2.49	-2.4	-2.4	-2.56	-2.64	-2.59	-2.45	-2.59	-2.77	-2.87	-2.86	-2.96	-3.01	-3.15	-3.18	-3.21	-2.74	
Rad. Fw. 0-90 (dBi)	-7.51	-7.2	-7.18	-7.29	-7.09	-6.97	-6.66	-6.61	-6.57	-6.55	-6.33	-6.26	-6.45	-6.74	-6.94	-6.98	-7.07	-7.3	-7.42	-7.33	-7.19	-7.29	-7.36	-7.34	-7.23	-7.24	-7.18	-7.21	-7.12	-7.05	-6.56	
Rad. Fw. 90-180 (dBi)	-7.21	-6.91	-6.85	-6.84	-6.5	-6.11	-5.66	-5.36	-5.1	-4.9	-4.49	-4.19	-4.21	-4.41	-4.42	-4.27	-4.21	-4.34	-4.4	-4.36	-4.23	-4.38	-4.63	-4.79	-4.84	-4.98	-5.1	-5.31	-5.43	-5.53	-5.07	
Peak EIRP (dBm)	0	0.46	0.58	0.59	0.91	1.44	1.92	2.24	2.48	2.63	3.24	3.43	3.41	3.01	3.07	3.05	3.01	3.14	3.15	2.83	3.02	2.8	2.77	2.46	2.07	2.03	1.77	1.28	1.18	1.26	1.71	
Directivity (dBi)	4.35	4.5	4.59	4.64	4.69	4.95	5.04	5.17	5.24	5.27	5.54	5.52	5.58	5.42	5.56	5.45	6.01	5.7	5.79	5.42	5.59	5.54	5.33	4.93	4.99	4.78	4.43	4.36	4.47	4.45		
Efficiency (dB)	-4.35	-4.04	-4.01	-4.05	-3.78	-3.51	-3.12	-2.93	-2.76	-2.64	-2.3	-2.09	-2.17	-2.41	-2.49	-2.4	-2.4	-2.56	-2.64	-2.59	-2.45	-2.59	-2.77	-2.87	-2.86	-2.96	-3.01	-3.15	-3.18	-3.21	-2.74	
Efficiency (%)	36.73	39.45	39.72	39.36	41.88	44.57	48.75	50.03	52.07	54.45	68.88	61.8	60.67	57.41	56.36	57.54	57.54	56.46	54.45	55.08	56.49	55.08	52.84	51.64	51.76	50.58	50	48.42	48.08	47.75	53.21	
Gain (dB)	0	0.46	0.58	0.59	0.91	1.44	1.92	2.24	2.48	2.63	3.24	3.43	3.41	3.01	3.07	3.05	3.01	3.14	3.15	2.83	3.02	2.8	2.77	2.46	2.07	2.03	1.77	1.28	1.18	1.26	1.71	
NHPRP +30 (dB)	-8.2	-7.97	-8	-8.12	-7.92	-7.77	-7.43	-7.31	-7.22	-7.17	-6.88	-6.76	-6.89	-7.16	-7.3	-7.28	-7.31	-7.5	-7.58	-7.48	-7.34	-7.43	-7.56	-7.59	-7.53	-7.57	-7.53	-7.59	-7.53	-7.5	-7.02	
NHPRP +45 (dB)	-6.09	-5.81	-5.83	-5.92	-5.69	-5.48	-5.13	-4.98	-4.85	-4.76	-4.45	-4.28	-4.39	-4.66	-4.75	-4.69	-4.7	-4.88	-4.97	-4.92	-4.8	-4.91	-5.09	-5.19	-5.19	-5.27	-5.29	-5.41	-5.41	-5.41	-4.92	
Maximum H-V Value (dBi)	0	0.46	0.58	0.59	0.91	1.44	1.92	2.24	2.48	2.63	3.24	3.43	3.41	3.01	3.07	3.05	3.01	3.14	3.15	2.83	3.02	2.8	2.77	2.46	2.07	2.03	1.77	1.28	1.18	1.26	1.71	
Maximum H-V @ Theta (deg.)	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
Minimum H-V @ Phi (deg.)	30	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 @ Theta (deg.)	-20.73	-20.53	-20.36	-19.85	-19.3	-18.4	-16.83	-16.15	-16.54	-15.64	-13.79	-14.53	-15.18	-15.35	-14.64	-13.32	-12.61	-12.8	-13.4	-13.54	-14.04	-14.84	-15.33	-15.66	-15.49	-15.27	-14.28	-13.42	-13.07	-12.73	-12.17	
Minimum H-V @ Phi (deg.)	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	105	105	0	105	105	105	105	105	105	105	105	105	105	105	
Horizontal O	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	
Ant. Port Imp. Fw. (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	
H Rad. Fw. (dBi)	-6.3	-5.94	-5.89	-5.89	-5.53	-4.99	-4.67	-4.33	-4.11	-3.88	-3.55	-3.23	-3.25	-3.54	-3.61	-3.41	-3.34	-3.5	-3.56	-3.58	-3.49	-3.62	-3.97	-4.17	-4.28	-4.42	-4.66	-4.97	-5.21	-5.41	-4.92	
H Rad. Fw. 0-90 (dBi)	-9.8	-9.48	-9.49	-9.61	-9.35	-8.94	-8.74	-8.51	-8.41	-8.27	-8.05	-7.84	-7.96	-8.33	-8.55	-8.45	-8.46	-8.68	-8.76	-8.75	-8.66	-8.75	-9.04	-9.12	-9.17	-9.28	-9.5	-9.82	-10.08	-10.31	-9.91	
H Rad. Fw. 90-180 (dBi)	-8.87	-8.48	-8.38	-8.29	-7.85	-7.23	-6.84	-6.42	-6.12	-5.85	-5.45	-5.07	-5.04	-5.29	-5.29	-5.04	-4.93	-5.06	-5.12	-5.15	-5.06	-5.21	-5.59	-5.84	-5.98	-6.14	-6.39	-6.7	-6.93	-7.1	-6.58	
H Peak EIRP (dBm)	-6.05	-6.37	-6.05	-6.11	-6.39	-1.03	1.03	1.53	1.92	2.17	2.35	2.97	3.2	3.21	2.8	2.9	2.85	3.51	3.03	3.03	2.69	2.86	2.62	2.31	2.27	1.78	1.75	1.68	1.23	0.84	0.7	1.02
H Directivity (dBi)	5.75	5.57	5.84	5.78	5.92	6.02	6.2	6.25	6.28	6.23	6.52	6.43	6.46	6.34	6.51	6.26	6.05	6.53	6.59	6.27	6.35	6.24	6.28	6.44	6.06	6.17	6.34	6.2	6.05	6.11	5.94	
H Efficiency (dB)	-6.3	-5.94	-5.89	-5.89	-5.53	-4.99	-4.67	-4.33	-4.11	-3.88	-3.55	-3.23	-3.25	-3.54	-3.61	-3.41	-3.34	-3.5	-3.56	-3.58	-3.49	-3.62	-3.97	-4.17	-4.28	-4.42	-4.66	-4.97	-5.21	-5.41	-4.92	
H Efficiency (%)	22.44	25.47	25.76	25.76	27.99	31.7	34.12	36.9	38.82	40.93	44.16	47.53	47.32	44.26	43.55	45.6	46.34	44.67	44.06	43.85	44.77	43.45	40.09	38.28	37.33	36.14	34.2	31.84	30.73	28.71	32.21	
H Gain (dBi)	-6.55	-6.37	-6.05	-6.11	-6.39	-1.03	1.03	1.53	1.92	2.17	2.35	2.97	3.2	3.21	2.8	2.9	2.85	3.51	3.03	3.03	2.69	2.86	2.62	2.31	2.27	1.78	1.75	1.68	1.23	0.84	0.7	1.02
H NHPRP +30 (dB)	-10.42	-10.17	-10.21	-10.31	-10.03	-9.46	-9.35	-9.05	-8.9	-8.71	-8.4	-8.12	-8.17	-8.46	-8.57	-8.43	-8.39	-8.58	-8.64	-8.62	-8.54	-8.61	-8.92	-9.03	-9.1	-9.2	-9.37	-9.64	-9.84	-10.02	-9.56	
H NHPRP +45 (dB)	-8.05	-7.74	-7.75	-7.8	-7.49	-7.01	-6.73	-6.42	-6.22	-6.01	-5.69	-5.39	-5.42	-5.72	-5.8	-5.64	-5.59	-5.77	-5.85	-5.87	-5.79	-5.89	-6.23	-6.41	-6.54	-6.68	-6.89	-7.2	-7.43	-7.61	-7.14	
Maximum H Value (dBi)	-4.55	-4.57	-4.05	-4.11	-4.39	-1.03	1.03	1.53	1.92	2.17	2.35	2.97	3.2	3.21	2.8	2.9	2.85	3.51	3.03	3.03	2.69	2.86	2.62	2.31	2.27	1.78	1.75	1.68	1.23	0.84	0.7	1.02
Maximum H @ Theta (deg.)	120	30	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
Minimum H @ Phi (deg.)	90	240	30	15	30	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 Value (dBi)	-20.94	-20.13	-21.44	-20.57	-21.65	-26.32	-26.64	-20.09	-27.49	-28.71	-33.05	-29.86	-28	-27.97	-28.28	-31.53	-32.32	-30.5	-29.34	-28.73	-29.63	-35.23	-35.1	-26.94	-24.24	-21.39	-24.51	-28.8	-27.99	-29.96	-27.93	
Minimum H @ Theta (deg.)	15	15	15	75	75	165	165	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	105	105	105	105	105	
Minimum H @ Phi (deg.)	0	0	0	195	195	0	0	30	315	315	315	315	315	315	0	0	0	0	0	0	300	300	315	315	315	225	270	270	270	270	165	255
Vertical O	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	
Ant. Port Imp. Fw. (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	
V Rad. Fw. (dBi)	-8.76	-8.54	-8.54	-8.67	-8.57	-8.9	-8.34	-8.53	-8.51	-8.67	-8.33	-8.48	-8.36	-8.82	-8.95	-9.25	-9.53	-9.69	-9.85	-9.49	-9.18	-9.33	-8.94	-8.76	-8.42	-8.39	-8	-7.79	-7.45	-7.23	-6.78	
V Rad. Fw. 0-90 (dBi)	-11.28	-11.08	-11.03	-11.13	-11.02	-10.86	-11.11	-11.17	-11.41	-11.17	-11.4	-11.75	-11.67	-12.05	-12.39	-12.71	-12.95	-13.18	-12.99	-12.6	-12.74	-12.3	-12.06	-11.64	-11.5	-11	-10.66	-10.18	-9.83	-9.26	-8.56	
V Rad. Fw. 90-180 (dBi)	-12.19	-12.07	-12.14	-12.31	-12.23	-12.54	-11.9	-12.03	-11.9	-11.97	-11.52	-11.57	-11.8	-11.79	-11.86	-12.12	-12.36	-12.46	-12.55	-12.14	-11.82	-11.98	-11.62	-11.5	-11.23	-11.29	-11.01	-10.95	-10.77	-10.71	-10.4	
V Peak EIRP (dBm)	-3.17	-2.71	-2.7	-2.49	-2.31	-2.35	-1.36	-1.97	-1.32	-1.6	-1.02	-0.67	-0.96	-0.89	-0.84	-1.12	-1.58	-1.62	-1.79	-1.45	-1.32	-1.79	-1.7	-1.85	-1.79	-1.25	-0.77	-0.56	-0.24	0.14	0.21	
V Directivity (dBi)	5.59	5.83	5.84	6.18	6.26	6.55	6.98	6.56	7.19	7.07	7.31	7.81	7.8	7.93	8.11	8.13	7.95	8.07	8.06	8.04	7.86	7.54	7.24	6.91	7.03	7.14	7.23	7.23	7.21	7.09	6.99	
V Efficiency (dB)	-8.76	-8.54	-8.54	-8.67	-8.57	-8.9	-8.34	-8.53	-8.51	-8.67	-8.33	-8.48	-8.36	-8.82	-8.95	-9.25	-9.53	-9.69	-9.85	-9.49	-9.18	-9.33	-8.94	-8.76	-8.42	-8.39	-8	-7.79	-7.45	-7.23	-6.78	
V Efficiency (%)	13.3	14	14	13.58	13.9	12.88	14.66	14.03	14.09	13.58	14.69	14.19	13.3	13.12	12.74	11.89	11.14	10.74	10.35	11.25	12.08	11.67	12.76	13.3	14.39	14.49	15.85	16.63	17.99	18.92	20.99	
V Gain (dBi)	-3.17	-2.7																														