Frequency	2.3GHz	2.31GHz	2.32GHz	2.33GHz	2.34GHz	2.35GHz	2.36GHz	2.37GHz	2.38GHz	2.39GHz	2.40GHz	2.41GHz	2.42GHz	2.43GHz	2.44GHz	2.45GHz	2.46GHz	2.47GHz	2.48GHz	2.49GHz	2.50GHz	2.51GHz	2.52GHz	2.53GHz	2.54GHz	2.55GHz	2.56GHz	2.57GHz	2.58GHz	2.59GHz	2.60GHz
Ant. Port Inp. Pow. (dBi)	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. (dBi)	-3.67	-3.36	-3.5	-3.73	-3.53	-3.34	-3	-2.79	-2.55	-2.41	-2.07	-1.75	-1.73	-1.94	-2	-1.87	-1.95	-2.07	-2.04	-1.99	-2.06	-2.07	-2.1	-2.14	-2.1	-2	-1.87	-1.79	-1.91	-1.81	-1.18
Rad. Pow. 0-90 (dBi)	-5.29	-4.96	-5.12	-5.39	-5.22	-5	-4.62	-4.41	-4.24	-4.19	-3.91	-3.7	-3.79	-4.06	-4.2	-4.18	-4.33	-4.49	-4.55	-4.55	-4.75	-4.85	-4.96	-5.07	-5.06	-4.96	-4.81	-4.71	-4.84	-4.75	-4.12
Rad. Pow. 90-180 (dBi)	-8.73	-8.48	-8.58	-8.71	-8.45	-8.31	-8.07	-7.85	-7.48	-7.14	-6.7	-6.17	-5.95	-6.08	-6	-5.7	-5.7	-5.77	-5.61	-5.5	-5.4	-5.31	-5.26	-5.24	-5.16	-5.07	-4.96	-4.89	-5.01	-4.9	-4.27
Peak EIRP (dBi)	0.27	0.47	0.28	0.14	0.41	0.44	0.97	1.21	1.65	1.79	2.14	2.08	2.35	2.07	2.07	2.45	2.49	2.38	2.78	2.93	3.23	3.38	3.42	3.34	3.38	3.16	3.11	3.19	2.6	2.59	3.2
Directivity (dBi)	3.94	3.83	3.78	3.87	3.94	3.78	3.97	4	4.2	4.2	4.21	3.83	4.08	4.01	4.07	4.32	4.44	4.45	4.82	4.92	5.29	5.45	5.52	5.48	5.48	5.16	4.98	4.98	4.51	4.4	4.38
Efficiency (dB)	-3.67	-3.36	-3.5	-3.73	-3.53	-3.34	-3	-2.79	-2.55	-2.41	-2.07	-1.75	-1.73	-1.94	-2	-1.87	-1.95	-2.07	-2.04	-1.99	-2.06	-2.07	-2.1	-2.14	-2.1	-2	-1.87	-1.79	-1.91	-1.81	-1.18
Efficiency (%)	42.95	46.13	44.67	42.36	44.36	46.34	50.12	52.6	55.59	57.41	62.09	66.83	67.14	63.97	63.1	65.01	63.83	62.09	62.52	63.24	62.23	62.09	61.66	61.09	61.66	63.1	65.01	66.22	64.42	65.92	76.21
Gain (dBi)	0.27	0.47	0.28	0.14	0.41	0.44	0.97	1.21	1.65	1.79	2.14	2.08	2.35	2.07	2.07	2.45	2.49	2.38	2.78	2.93	3.23	3.38	3.42	3.34	3.38	3.16	3.11	3.19	2.6	2.59	3.2
NHPRP +/-30 (dBi)	-6.31	-6.01	-6.19	-6.45	-6.26	-6.06	-5.75	-5.57	-5.39	-5.32	-5.03	-4.77	-4.79	-5.07	-5.18	-5.09	-5.18	-5.33	-5.31	-5.31	-5.45	-5.5	-5.59	-5.69	-5.69	-5.6	-5.48	-5.42	-5.55	-5.49	-4.91
NHPRP +/-45 (dBi)	-4.81	-4.51	-4.68	-4.92	-4.73	-4.54	-4.22	-4.03	-3.82	-3.72	-3.41	-3.13	-3.13	-3.4	-3.49	-3.39	-3.49	-3.62	-3.61	-3.6	-3.71	-3.75	-3.83	-3.9	-3.87	-3.77	-3.63	-3.54	-3.66	-3.56	-2.93
Maximum H+V Value (dBi)	0.27	0.47	0.28	0.14	0.41	0.44	0.97	1.21	1.65	1.79	2.14	2.08	2.35	2.07	2.07	2.45	2.49	2.38	2.78	2.93	3.23	3.38	3.42	3.34	3.38	3.16	3.11	3.19	2.6	2.59	3.2
Maximum H+V @ Theta (deg.)	45	60	60	60	60	45	60	60	45	45	45	45	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	120
Maximum H+V @ Phi (deg.)	135	210	210	210	210	135	210	210	210	210	210	210	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	120	105
Minimum H+V Value (dBi)	-23.35	-21.6	-19.34	-19.39	-18.66	-19.43	-19.14	-18.29	-17.28	-16.17	-15.37	-14.14	-14.96	-15.37	-15.24	-15.12	-15.58	-14.87	-15.13	-14.99	-16.37	-17.33	-17	-16.64	-16.37	-16.37	-15.4	-15.34	-15.02	-15.69	-15.17
Minimum H+V @ Theta (deg.)	165	165	165	165	165	165	165	165	165	165	165	165	135	135	135	135	135	135	135	90	90	90	90	90	90	90	90	90	90	90	90
Minimum H+V @ Phi (deg.)	15	15	135	135	135	150	150	150	150	150	150	165	285	285	285	270	270	270	270	330	330	330	330	330	315	315	315	330	330	315	315
Horizontal ()																															
Ant. Port Inp. Pow. (dBi)	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. (dBi)	-5.33	-4.96	-5.07	-5.29	-5.09	-4.72	-4.43	-4.03	-3.68	-3.44	-3.12	-2.68	-2.62	-2.94	-3	-2.81	-2.89	-3.01	-2.99	-3.03	-3.15	-3.15	-3.36	-3.48	-3.53	-3.44	-3.42	-3.41	-3.63	-3.61	-2.95
H Rad. Pow. 0-90 (dBi)	-7.04	-6.66	-6.81	-7.09	-6.94	-6.52	-6.22	-5.8	-5.52	-5.36	-5.1	-4.73	-4.76	-5.14	-5.27	-5.17	-5.32	-5.46	-5.52	-5.62	-5.86	-5.95	-6.23	-6.43	-6.52	-6.42	-6.36	-6.32	-6.52	-6.5	-5.85
H Rad. Pow. 90-180 (dBi)	-10.2	-9.85	-9.88	-9.96	-9.7	-9.39	-9.15	-8.77	-8.29	-7.9	-7.48	-6.92	-6.73	-6.94	-6.9	-6.59	-6.58	-6.66	-6.54	-6.51	-6.48	-6.38	-6.5	-6.55	-6.56	-6.49	-6.5	-6.52	-6.77	-6.74	-6.09
H Peak EIRP (dBi)	-0.96	-0.76	-0.75	-1.06	-1.11	-0.87	-0.49	0.07	0.43	0.66	0.96	1.96	2.34	2.06	2.06	2.44	2.49	2.37	2.78	2.91	3.22	3.36	3.4	3.32	3.35	3.12	3.05	3.13	2.54	2.45	3.14
H Directivity (dBi)	4.37	4.2	4.32	4.23	3.98	3.85	3.94	4.1	4.11	4.1	4.08	4.64	4.96	5	5.06	5.25	5.38	5.38	5.77	5.94	6.37	6.51	6.76	6.8	6.88	6.56	6.47	6.54	6.17	6.06	6.09
H Efficiency (dB)	-5.33	-4.96	-5.07	-5.29	-5.09	-4.72	-4.43	-4.03	-3.68	-3.44	-3.12	-2.68	-2.62	-2.94	-3	-2.81	-2.89	-3.01	-2.99	-3.03	-3.15	-3.15	-3.36	-3.48	-3.53	-3.44	-3.42	-3.41	-3.63	-3.61	-2.95
H Efficiency (%)	29.31	31.92	31.12	29.58	30.97	33.73	36.06	39.54	42.85	45.29	48.75	53.95	54.7	50.82	50.12	52.36	51.4	50	50.23	49.77	48.42	48.42	46.13	44.87	44.36	45.29	45.5	45.6	43.35	43.55	50.7
H Gain (dBi)	-0.96	-0.76	-0.75	-1.06	-1.11	-0.87	-0.49	0.07	0.43	0.66	0.96	1.96	2.34	2.06	2.06	2.44	2.49	2.37	2.78	2.91	3.22	3.36	3.4	3.32	3.35	3.12	3.05	3.13	2.54	2.45	3.14
H NHPRP +/-30 (dBi)	-8.09	-7.7	-7.82	-8.04	-7.85	-7.48	-7.2	-6.81	-6.46	-6.26	-5.97	-5.54	-5.49	-5.85	-5.94	-5.79	-5.88	-6.03	-6.02	-6.13	-6.33	-6.41	-6.69	-6.9	-7.02	-6.96	-6.95	-6.95	-7.15	-7.14	-6.51
H NHPRP +/-45 (dBi)	-6.57	-6.19	-6.29	-6.5	-6.31	-5.96	-5.68	-5.27	-4.92	-4.69	-4.38	-3.94	-3.89	-4.23	-4.31	-4.15	-4.25	-4.38	-4.39	-4.47	-4.64	-4.69	-4.95	-5.12	-5.21	-5.13	-5.1	-5.08	-5.29	-5.26	-4.6
Maximum H Value (dBi)	-0.96	-0.76	-0.75	-1.06	-1.11	-0.87	-0.49	0.07	0.43	0.66	0.96	1.96	2.34	2.06	2.06	2.44	2.49	2.37	2.78	2.91	3.22	3.36	3.4	3.32	3.35	3.12	3.05	3.13	2.54	2.45	3.14
Maximum H @ Theta (deg.)	30	45	45	45	45	30	30	60	60	45	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	120
Maximum H @ Phi (deg.)	285	60	60	45	45	60	75	135	135	30	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	120	105
Minimum H Value (dBi)	-31.72	-30.24	-30.8	-35.99	-35.56	-29.33	-27.25	-28.67	-28.97	-28.56	-28.88	-26.47	-25.64	-26.4	-27.08	-26.53	-26.91	-26.18	-26.47	-27.9	-30.99	-32.52	-27.55	-27.05	-28.22	-31.81	-34.65	-42.39	-36.2	-33.9	-30.48
Minimum H @ Theta (deg.)	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	15	90	90	90	90	90	90	90	90	90	45	90	45	90	90	90
Minimum H @ Phi (deg.)	30	30	15	15	15	15	0	0	0	0	0	0	0	0	0	210	285	270	270	330	330	330	330	330	330	255	330	270	330	330	330
Vertical ()																															
Ant. Port Inp. Pow. (dBi)	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. (dBi)	-8.64	-8.47	-8.69	-8.95	-8.74	-8.99	-8.53	-8.83	-8.97	-9.16	-8.78	-8.92	-9.02	-8.84	-8.85	-8.95	-9.06	-9.19	-9.11	-8.71	-8.58	-8.62	-8.08	-7.91	-7.61	-7.5	-7.09	-6.86	-6.76	-6.52	-5.94
V Rad. Pow. 0-90 (dBi)	-10.07	-9.84	-10.03	-10.28	-10.09	-10.28	-9.75	-10.01	-10.18	-10.44	-10.12	-10.46	-10.75	-10.63	-10.81	-11.08	-11.23	-11.47	-11.53	-11.18	-11.23	-11.36	-10.89	-10.77	-10.49	-10.4	-10.02	-9.81	-9.76	-9.54	-8.97
V Rad. Pow. 90-180 (dBi)	-14.15	-14.17	-14.46	-14.72	-14.49	-14.88	-14.64	-15.06	-15.13	-15.09	-14.53	-14.18	-13.83	-13.56	-13.25	-13.06	-13.09	-13.07	-12.79	-12.23	-11.98	-11.92	-11.31	-11.07	-10.75	-10.62	-10.19	-9.92	-9.79	-9.52	-8.92
V Peak EIRP (dBi)	-2.63	-2.49	-2.7	-2.79	-2.24	-2.55	-1.83	-2.03	-1.49	-1.32	-0.94	-0.72	-0.79	-0.26	-0.49	-0.36	-0.84	-1.35	-1.33	-1.18	-0.89	-1.19	-0.9	-0.51	-0.08	0.13	0.57	0.81	0.86	0.94	1.39
V Directivity (dBi)	6.01	5.98	5.99	6.16	6.5	6.44	6.7	6.8	7.48	7.84	7.84	8.2	8.23	8.58	8.36	8.59	8.22	7.84	7.78	7.53	7.69	7.43	7.18	7.4	7.53	7.63	7.66	7.67	7.62	7.46	7.33
V Efficiency (dB)	-8.64	-8.47	-8.69	-8.95	-8.74	-8.99	-8.53	-8.83	-8.97	-9.16	-8.78	-8.92	-9.02	-8.84	-8.85	-8.95	-9.06	-9.19	-9.11	-8.71	-8.58	-8.62	-8.08	-7.91	-7.61	-7.5	-7.09	-6.86	-6.76	-6.52	-5.94
V Efficiency (%)	13.68	14.22	13.52	12.74	13.37	12.62	14.03	13.09	12.68	12.13	13.24	12.82	12.53	13.06	13.03	12.74	12.42	12.05	12.27	13.46	13.87	13.74	15.56	16.18	17.34	17.78	19.54	20.61	21.09	22.28	25.47
V Gain (dBi)	-2.63	-2.49	-2.7	-2.79	-2.24	-2.55	-1.83	-2.03	-1.49	-1.32	-0.94	-0.72	-0.79	-0.26	-0.49	-0.36	-0.84	-1.35	-1.33	-1.18	-0.89	-1.19	-0.9	-0.51	-0.08	0.13	0.57	0.81	0.86	0.94	1.39
V NHPRP +/-30 (dBi)	-11.04	-10.93	-11.23	-11.58	-11.39	-11.6	-11.2	-11.62	-11.97	-12.4	-12.14	-12.66	-13.06	-12.94	-13.15	-13.4	-13.43	-13.6	-13.48	-12.96	-12.81	-12.74	-12.1	-11.83	-11.45	-11.31	-10.9	-10.7	-10.68	-10.5	-10.01
V NHPRP +/-45 (dBi)	-9.58	-9.47	-9.76	-10.08	-9.88	-10.09	-9.67	-10.06	-10.35	-10.71	-10.42	-10.81	-11.11	-11	-11.13	-11.33	-11.41	-11.56	-11.47	-11.01	-10.86	-10.85	-10.25	-10.01	-9.63	-9.48	-9.04	-8.79	-8.7	-8.45	-7.88
Maximum V Value (dBi)	-2.63	-2.49	-2.7	-2.79	-2.24	-2.55	-1.83	-2.03	-1.49	-1.32	-0.94	-0.72	-0.79	-0.26	-0.49	-0.36	-0.84	-1.35	-1.33	-1.18	-0.89	-1.19	-0.9	-0.51	-0.08	0.13	0.57	0.81	0.86	0.94	1.39
Maximum V @ Theta (deg.)	45	45	30	30	45	45	45	45	45	45	0	0	0	15	0	15	15	15	30	30	30	30	60	60	60	60	60	60	60	60	60
Maximum V @ Phi (deg.)	225	225	225	225	210	210	225	225	210	210	180	180	180	195	180	195	195	195	210	210	210	210	210	210	210	210	210	210	210	210	210
Minimum V Value (dBi)	-44.69	-40.9	-42.15	-40.08	-36.73	-34.97	-32.87	-42.37	-34.89	-33.61	-36.19	-31.9	-30.27	-27.48	-29.15	-32.33	-29.91	-27.72	-28.08	-31.66	-33.85	-37.28	-36.75	-31.17	-28.31	-32.12	-33.15	-29.91	-27.63	-29.66	-30.2
Minimum V @ Theta (deg.)	165	135	105	135	135	105	165	90	30	30	30	75	75	75	165	45	45	45	105	30	30	30	30	30	135	135	135	135	150	150	150
Minimum V @ Phi (deg.)	90	75	60	90	90	60	150	75	60	60	60	255	255	255	270	15	15	15	315	30	30	30	30	30	90	90	90	90	270	270	270