

Routinely Licensed Input power density (dBW/4 kHz) -14
Maximum antenna Gain (dBi) @ 14.25 GHz 41.6
Maximum EIRP density of carrier (dBW/4 kHz) 17.49
Non-routinely sized antenna input Power density (dBW/4 kHz) -24.11

Value of Theta (degrees)	25.209(a)(1) Co-Pol Gain	Off-Axis EIRP Density under Routine Licensing	Non-Routinely sized Antenna Off-Axis Gain (dBi) Per FCC 29-25 Log Theta	Actual Measured Data	Max off-axis EIRP Density of non-routinely sized antenna (dBW/4kHz)	Margin
1.25	26.6	12.6	28.4	28.4	4.29	8.29
1.3	26.2	12.2	27.3	27.3	3.19	8.96
1.4	25.3	11.3	24.4	24.4	0.29	11.06
1.5	24.6	10.6	24.6	24.6	0.49	10.11
1.6	23.9	9.9	23.9	19.9	-0.21	10.11
1.7	23.2	9.2	23.2	19.2	-0.87	10.11
1.8	22.6	8.6	22.6	18.6	-1.49	10.11
1.9	22.0	8.0	22.0	18.0	-2.08	10.11
2	21.5	7.5	21.5	17.5	-2.64	10.11
2.1	20.9	6.9	20.9	16.9	-3.17	10.11
2.2	20.4	6.4	20.4	16.4	-3.67	10.11
2.3	20.0	6.0	20.0	16.0	-4.15	10.11
2.4	19.5	5.5	19.5	15.5	-4.62	10.11
2.5	19.1	5.1	19.1	15.1	-5.06	10.11
2.6	18.6	4.6	18.6	14.6	-5.48	10.11
2.7	18.2	4.2	18.2	14.2	-5.89	10.11
2.8	17.8	3.8	17.8	13.8	-6.29	10.11
2.9	17.4	3.4	17.4	13.4	-6.67	10.11
3	17.1	3.1	17.1	13.1	-7.04	10.11
3.5	15.4	1.4	15.4	11.4	-8.71	10.11
4	13.9	-0.1	13.9	9.9	-10.16	10.11
4.5	12.7	-1.3	12.7	8.7	-11.44	10.11
5	11.5	-2.5	11.5	7.5	-12.58	10.11
5.5	10.5	-3.5	10.5	6.5	-13.62	10.11
6	9.5	-4.5	9.5	5.5	-14.56	10.11
6.5	8.7	-5.3	8.7	4.7	-15.43	10.11
7	7.9	-6.1	7.9	3.9	-16.24	10.11
7.1	8.0	-6.0	8.0	4.0	-16.11	10.11
8	8.0	-6.0	8.0	4.0	-16.11	10.11
9.2	8.0	-6.0	8.0	4.0	-16.11	10.11
10	7.0	-7.0	7.0	3.0	-17.11	10.11
11	6.0	-8.0	6.0	2.0	-18.14	10.11
12	5.0	-9.0	5.0	1.0	-19.09	10.11
15	2.6	-11.4	2.6	-1.4	-21.51	10.11
20	-0.5	-14.5	-0.5	-4.5	-24.64	10.11
25	-2.9	-16.9	-2.9	-6.9	-27.06	10.11

30	-4.9	-18.9	-4.9	-8.9	-29.04	10.11
35	-6.6	-20.6	-6.6	-10.6	-30.71	10.11
40	-8.1	-22.1	-8.1	-12.1	-32.16	10.11
48	-10.0	-24.0	-10.0	-24.0	-34.14	10.11
50	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
60	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
70	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
80	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
90	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
100	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
120	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
140	-10.0	-24.0	-10.0	-24.0	-34.11	10.11
160	-10.0	-24.0	0.0	0.0	-24.11	0.11
180	-10.0	-24.0	0.0	0.0	-24.11	0.11

Minimum Margin 0.11