

EXHIBIT 6

Tables Required by 25.222(b)(1)(i) to Demonstrate Compliance of Intellian Antennas with 25.222(a)(1)(i)

TABLES FOR –

INTELLIAN 0.65 METER KU-BAND ANTENNA (MODEL v65/v65G)

2. EIRP Spectral Density Data

2.1. Azimuth Pattern for Co-pol (-10°~10°)

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-10	-22.64	-7.00
-9.88	-22.64	-6.87
-9.76	-22.00	-6.74
-9.65	-21.37	-6.61
-9.52	-20.41	-6.47
-9.4	-19.23	-6.33
-9.29	-17.98	-6.20
-9.17	-17.09	-6.00
-9.05	-16.15	-6.00
-8.94	-15.14	-6.00
-8.81	-14.34	-6.00
-8.69	-13.69	-6.00
-8.58	-13.02	-6.00
-8.47	-12.56	-6.00
-8.35	-12.09	-6.00
-8.24	-11.77	-6.00
-8.13	-11.48	-6.00
-8.01	-11.32	-6.00
-7.9	-11.21	-6.00
-7.79	-11.20	-6.00
-7.68	-11.24	-6.00
-7.56	-11.46	-6.00
-7.44	-11.66	-6.00
-7.33	-12.04	-6.00
-7.22	-12.62	-6.00
-7.1	-13.28	-6.00
-6.99	-14.25	-6.11
-6.85	-15.38	-5.89
-6.75	-16.96	-5.73
-6.63	-19.11	-5.54
-6.52	-22.52	-5.36
-6.4	-27.38	-5.15
-6.28	-30.59	-4.95
-6.18	-25.72	-4.77
-6.06	-21.79	-4.56
-5.95	-18.38	-4.36
-5.84	-15.75	-4.16
-5.72	-13.69	-3.93
-5.61	-11.96	-3.72
-5.49	-10.43	-3.49
-5.38	-9.24	-3.27
-5.26	-8.04	-3.02
-5.16	-7.02	-2.82
-5.04	-6.04	-2.56
-4.93	-5.23	-2.32
-4.81	-4.40	-2.05
-4.69	-3.87	-1.78
-4.58	-3.30	-1.52
-4.47	-2.83	-1.26
-4.35	-2.45	-0.96

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-4.24	-2.15	-0.68
-4.1	-2.00	-0.32
-3.97	-1.91	0.03
-3.86	-1.98	0.34
-3.75	-2.23	0.65
-3.63	-2.67	1.00
-3.51	-3.18	1.37
-3.39	-4.21	1.75
-3.24	-5.87	2.24
-3.13	-7.69	2.61
-2.99	-10.98	3.11
-2.88	-13.10	3.52
-2.77	-11.95	3.94
-2.65	-7.21	4.42
-2.53	-3.64	4.92
-2.42	-0.62	5.40
-2.3	1.57	5.96
-2.18	3.59	6.54
-2.07	5.21	7.10
-1.95	6.63	7.75
-1.83	7.93	8.44
-1.71	9.06	9.18
-1.6	10.08	9.90
-1.48	10.82	
-1.36	11.72	
-1.23	12.39	
-1.12	12.98	
-1.01	13.54	
-0.9	13.96	
-0.77	14.36	
-0.65	14.74	
-0.52	15.02	
-0.41	15.22	
-0.29	15.35	
-0.19	15.51	
-0.07	15.56	
0	15.58	
0.04	15.56	
0.17	15.48	
0.29	15.34	
0.4	15.15	
0.51	14.90	
0.63	14.60	
0.75	14.19	
0.87	13.77	
0.97	13.27	
1.09	12.78	
1.2	12.14	
1.31	11.43	
1.43	10.62	
1.54	9.67	10.31

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
1.65	8.64	9.56
1.77	7.66	8.80
1.88	6.38	8.15
1.99	4.82	7.53
2.1	3.17	6.94
2.22	0.95	6.34
2.34	-1.54	5.77
2.44	-4.58	5.32
2.56	-8.51	4.79
2.68	-11.58	4.30
2.79	-12.18	3.86
2.91	-9.00	3.40
3.04	-6.61	2.93
3.15	-5.04	2.54
3.27	-3.62	2.14
3.4	-2.70	1.71
3.52	-1.99	1.34
3.63	-1.62	1.00
3.77	-1.34	0.59
3.87	-1.25	0.31
3.99	-1.26	-0.02
4.1	-1.40	-0.32
4.21	-1.61	-0.61
4.32	-1.97	-0.89
4.44	-2.39	-1.18
4.55	-2.98	-1.45
4.68	-3.54	-1.76
4.79	-4.28	-2.01
4.9	-4.99	-2.25
5.01	-5.94	-2.50
5.13	-7.12	-2.75
5.26	-8.33	-3.02
5.37	-9.68	-3.25
5.48	-11.20	-3.47
5.6	-12.92	-3.70
5.71	-14.69	-3.92
5.82	-17.29	-4.12
5.94	-20.21	-4.34
6.05	-24.62	-4.54
6.16	-29.64	-4.74
6.28	-28.81	-4.95
6.4	-23.19	-5.15
6.52	-19.89	-5.36
6.62	-17.51	-5.52
6.76	-15.47	-5.75
6.88	-14.10	-5.94
7.01	-13.17	-6.00
7.12	-12.34	-6.00
7.25	-11.83	-6.00
7.36	-11.46	-6.00

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
7.47	-11.17	-6.00
7.58	-11.05	-6.00
7.7	-10.96	-6.00
7.8	-10.93	-6.00
7.96	-11.09	-6.00
8.06	-11.29	-6.00
8.18	-11.56	-6.00
8.29	-11.89	-6.00
8.41	-12.38	-6.00
8.52	-12.89	-6.00
8.64	-13.49	-6.00
8.76	-14.26	-6.00
8.87	-15.09	-6.00
8.98	-15.91	-6.00
9.09	-16.82	-6.00
9.2	-17.96	-6.00
9.32	-18.93	-6.24
9.43	-20.04	-6.36
9.54	-21.06	-6.49
9.66	-21.85	-6.62
9.77	-22.21	-6.75
9.88	-22.77	-6.87
10	-22.71	-7.00

2.2. Azimuth Pattern for Co-pol (-180°~180°)

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-180	-41.97	-14.00
-178.43	-38.56	-14.00
-176.86	-47.85	-14.00
-175.34	-37.00	-14.00
-173.79	-33.60	-14.00
-172.28	-31.62	-14.00
-170.72	-34.55	-14.00
-169.16	-38.24	-14.00
-167.61	-39.83	-14.00
-166.08	-44.17	-14.00
-164.52	-38.51	-14.00
-162.91	-32.31	-14.00
-161.35	-32.76	-14.00
-159.84	-26.90	-14.00
-158.28	-35.59	-14.00
-156.71	-27.50	-14.00
-155.15	-27.78	-14.00
-153.61	-35.58	-14.00
-152.05	-26.50	-14.00
-150.49	-29.06	-14.00
-148.95	-28.55	-14.00
-147.34	-29.44	-14.00
-145.74	-30.23	-14.00
-144	-33.96	-14.00
-142.36	-37.10	-14.00
-140.83	-33.36	-14.00
-139.26	-36.42	-14.00
-137.75	-44.20	-14.00
-136.17	-43.28	-14.00
-134.66	-51.53	-14.00
-133.07	-44.51	-14.00
-131.52	-55.45	-14.00
-129.93	-45.98	-14.00
-128.36	-44.85	-14.00
-126.75	-54.07	-14.00
-125.11	-44.66	-14.00
-123.45	-42.09	-14.00
-121.87	-51.21	-14.00
-120.22	-56.30	-14.00
-118.69	-42.88	-14.00
-117.09	-46.83	-14.00
-115.48	-51.26	-14.00
-113.81	-57.10	-14.00
-112.17	-50.41	-14.00
-110.63	-45.20	-14.00
-109.1	-40.26	-14.00
-107.51	-39.17	-14.00
-105.95	-41.18	-14.00
-104.4	-39.04	-14.00
-102.84	-38.27	-14.00

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-101.22	-33.78	-14.00
-99.7	-32.55	-14.00
-98.14	-31.11	-14.00
-96.58	-29.01	-14.00
-95.03	-28.47	-14.00
-93.52	-27.76	-14.00
-91.92	-25.83	-14.00
-90.39	-26.00	-14.00
-88.82	-25.35	-14.00
-87.31	-24.27	-14.00
-85.78	-25.42	-14.00
-84.26	-25.64	-24.00
-82.68	-27.54	-24.00
-81.08	-28.32	-24.00
-79.51	-26.94	-24.00
-77.99	-28.54	-24.00
-76.47	-28.94	-24.00
-74.95	-27.70	-24.00
-73.41	-31.54	-24.00
-71.85	-33.29	-24.00
-70.34	-31.39	-24.00
-68.82	-32.45	-24.00
-67.28	-41.10	-24.00
-65.71	-39.33	-24.00
-64.19	-29.81	-24.00
-62.65	-34.11	-24.00
-61.11	-32.15	-24.00
-59.53	-45.29	-24.00
-57.92	-67.83	-24.00
-56.36	-41.45	-24.00
-54.76	-43.41	-24.00
-53.2	-54.88	-24.00
-51.62	-40.69	-24.00
-50.04	-45.68	-24.00
-48.49	-39.75	-24.00
-46.94	-34.59	-23.79
-45.42	-36.79	-23.43
-43.91	-45.37	-23.06
-42.32	-32.15	-22.66
-40.76	-30.81	-22.26
-39.15	-31.35	-21.82
-37.6	-35.65	-21.38
-35.99	-36.61	-20.90
-34.47	-39.44	-20.44
-32.86	-33.18	-19.92
-31.31	-30.50	-19.39
-29.74	-31.12	-18.83
-28.17	-26.30	-18.24
-26.61	-26.33	-17.63
-25.04	-29.42	-16.97

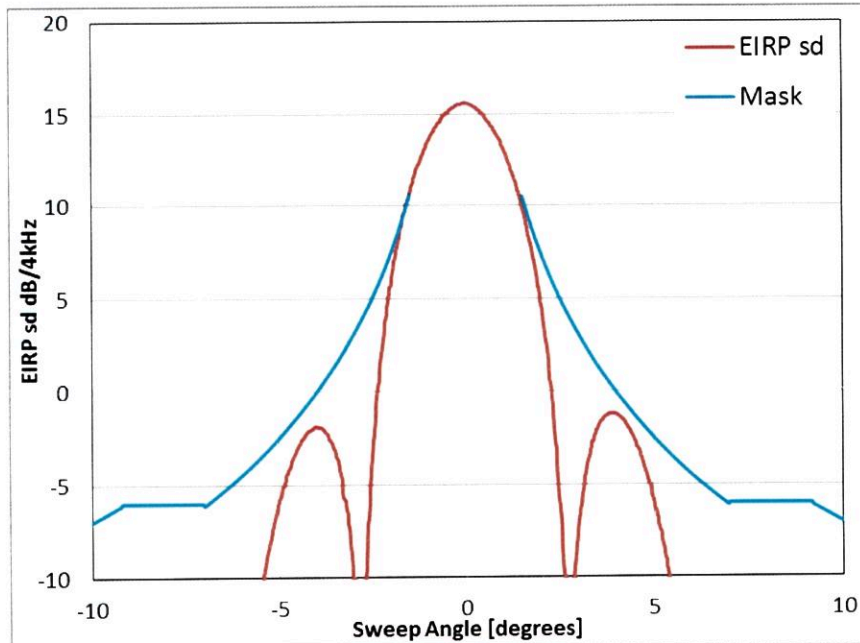
Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-23.5	-33.38	-16.28
-21.92	-33.16	-15.52
-20.33	-28.48	-14.70
-18.7	-32.26	-13.80
-17.15	-30.34	-12.86
-15.53	-27.76	-11.78
-13.93	-30.79	-10.60
-12.35	-27.81	-9.29
-10.84	-20.98	-7.88
-9.24	-17.72	-6.14
-7.72	-11.21	-6.00
-6.18	-25.72	-4.77
-4.65	-3.61	-1.69
-3.05	-10.05	2.89
-1.48	10.82	
0	15.58	2.89
0.09	15.55	
1.62	8.97	9.76
3.15	-5.04	2.54
4.71	-3.76	-1.83
6.23	-30.72	-4.86
7.8	-10.93	-6.00
9.36	-19.21	-6.28
10.91	-21.18	-7.95
12.5	-28.50	-9.42
14.09	-32.17	-10.72
15.71	-30.05	-11.90
17.24	-27.96	-12.91
18.89	-39.17	-13.91
20.44	-26.44	-14.76
22.03	-33.78	-15.58
23.61	-34.33	-16.33
25.15	-30.07	-17.01
26.74	-26.34	-17.68
28.3	-28.61	-18.29
29.83	-29.11	-18.87
31.39	-28.23	-19.42
32.99	-34.20	-19.96
34.56	-37.00	-20.46
36.08	-33.52	-20.93
37.7	-40.39	-21.41
39.29	-35.86	-21.86
40.81	-32.87	-22.27
42.37	-35.83	-22.68
43.87	-42.04	-23.05
45.44	-34.54	-23.44
46.99	-42.45	-23.80
48.57	-45.09	-24.00
50.12	-46.79	-24.00
51.85	-43.56	-24.00
53.36	-42.91	-24.00

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
54.94	-38.37	-24.00
56.57	-37.91	-24.00
58.13	-43.58	-24.00
59.79	-34.33	-24.00
61.45	-39.47	-24.00
63.17	-32.95	-24.00
64.73	-33.44	-24.00
66.32	-27.29	-24.00
67.94	-38.09	-24.00
69.58	-28.09	-24.00
71.31	-32.67	-24.00
73.01	-28.46	-24.00
74.91	-27.27	-24.00
76.6	-27.41	-24.00
78.22	-26.57	-24.00
79.72	-28.21	-24.00
81.29	-29.64	-24.00
82.89	-26.09	-24.00
84.46	-26.05	-24.00
85.99	-24.40	-14.00
87.57	-25.38	-14.00
89.14	-26.48	-14.00
90.72	-25.61	-14.00
92.25	-26.78	-14.00
93.82	-28.40	-14.00
95.35	-30.08	-14.00
96.9	-27.06	-14.00
98.42	-31.91	-14.00
99.98	-27.79	-14.00
101.57	-40.77	-14.00
103.09	-31.30	-14.00
104.6	-27.89	-14.00
106.22	-30.17	-14.00
108.04	-38.27	-14.00
109.55	-33.31	-14.00
111.08	-35.73	-14.00
112.58	-32.47	-14.00
114.15	-38.27	-14.00
115.71	-36.19	-14.00
117.23	-48.59	-14.00
118.75	-42.29	-14.00
120.26	-34.28	-14.00
121.79	-46.95	-14.00
123.31	-43.19	-14.00
124.86	-40.29	-14.00
126.38	-40.51	-14.00
127.91	-35.14	-14.00
129.43	-30.83	-14.00
131.05	-38.53	-14.00
132.65	-31.81	-14.00

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
134.22	-28.21	-14.00
135.74	-34.35	-14.00
137.33	-41.51	-14.00
138.88	-31.16	-14.00
140.42	-33.30	-14.00
142.1	-29.23	-14.00
143.59	-28.63	-14.00
145.19	-36.46	-14.00
146.73	-28.42	-14.00
148.3	-32.01	-14.00
149.86	-29.92	-14.00
151.42	-24.86	-14.00
152.95	-27.38	-14.00
154.49	-27.70	-14.00
156.02	-33.89	-14.00
157.56	-31.18	-14.00
159.09	-36.04	-14.00
160.64	-46.69	-14.00
162.2	-49.02	-14.00
163.71	-56.13	-14.00
165.33	-57.29	-14.00
166.9	-51.87	-14.00
168.47	-52.84	-14.00
170.06	-46.80	-14.00
171.63	-45.72	-14.00
173.28	-44.94	-14.00
174.83	-54.14	-14.00
176.42	-39.93	-14.00
177.99	-28.77	-14.00
179.51	-29.26	-14.00
180	-26.65	-14.00

1. EIRP Spectral Density of V65

1.1. Azimuth Pattern for Co-pol, Narrow Angle (-10°~10°)



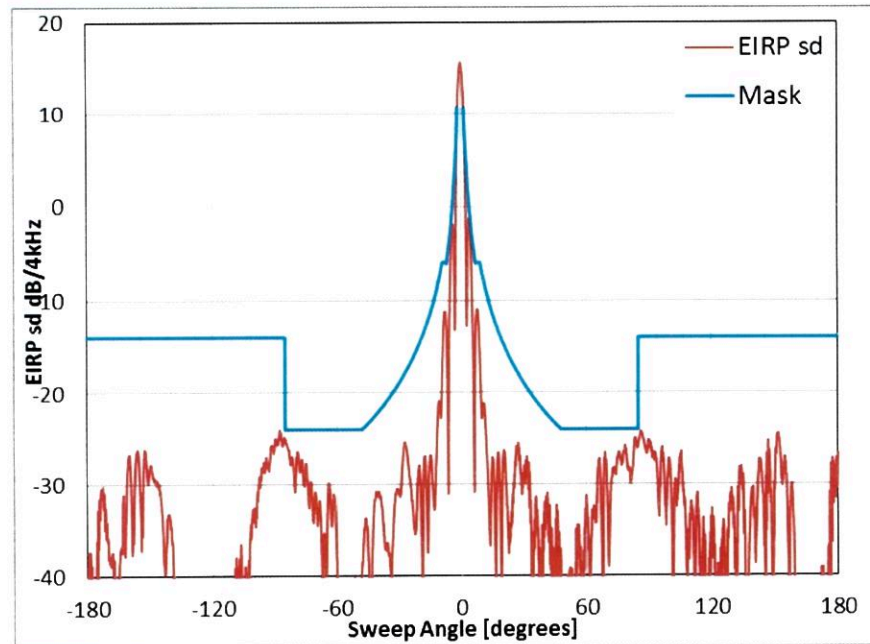
14.25GHz EIRP spectral density @ -22.4 dBW/4kHz Input power spectral density

- FCC EIRP spectral density regulation

$15-25\log(\theta)$	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
-6	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
$18-25\log(\theta)$	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-24	dBW/4kHz	for	$48^\circ < \theta \leq 85^\circ$
-14	dBW/4kHz	for	$85^\circ < \theta \leq 180^\circ$

The v65's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -22.4 dBW/4kHz

1.2. Azimuth Pattern for Co-pol, Wide Angle (-180°~180°)



14.25GHz EIRP spectral density @ -22.4 dBW/4kHz Input power spectral density

- **FCC EIRP spectral density regulation**

15-25log(θ)	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
-6	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
18-25log(θ)	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-24	dBW/4kHz	for	$48^\circ < \theta \leq 85^\circ$
-14	dBW/4kHz	for	$85^\circ < \theta \leq 180^\circ$

The v65's Radiation pattern meets the FCC EIRP spectral density mask when the Input powers spectral density is @ -22.4 dBW/4kHz

2.4. Elevation Pattern for Co-pol (-30°~30°)

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-30	-27.56	-18.92
-29.8	-28.24	-18.86
-29.58	-29.14	-18.77
-29.39	-30.03	-18.70
-29.19	-30.65	-18.63
-29.01	-31.39	-18.56
-28.81	-31.75	-18.49
-28.62	-32.66	-18.42
-28.43	-32.87	-18.34
-28.23	-32.49	-18.27
-28.04	-32.20	-18.19
-27.8	-31.02	-18.10
-27.59	-29.39	-18.02
-27.41	-27.72	-17.95
-27.2	-25.99	-17.86
-27.01	-24.74	-17.79
-26.82	-23.95	-17.71
-26.62	-23.29	-17.63
-26.43	-23.16	-17.55
-26.25	-23.12	-17.48
-26.06	-23.31	-17.40
-25.87	-24.05	-17.32
-25.68	-25.20	-17.24
-25.49	-26.92	-17.16
-25.3	-28.69	-17.08
-25.11	-31.52	-17.00
-24.93	-35.42	-16.92
-24.7	-38.50	-16.82
-24.5	-37.25	-16.73
-24.31	-35.27	-16.64
-24.13	-34.78	-16.56
-23.93	-34.58	-16.47
-23.74	-35.50	-16.39
-23.56	-35.91	-16.30
-23.36	-35.25	-16.21
-23.17	-33.36	-16.12
-22.98	-30.89	-16.03
-22.79	-28.44	-15.94
-22.58	-26.72	-15.84
-22.4	-25.23	-15.76
-22.2	-24.41	-15.66
-22.01	-23.85	-15.57
-21.82	-23.80	-15.47
-21.64	-23.89	-15.38
-21.43	-24.25	-15.28
-21.2	-24.91	-15.16
-21.01	-25.64	-15.06
-20.84	-26.34	-14.97
-20.64	-26.81	-14.87
-20.44	-26.86	-14.76

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-20.24	-26.89	-14.66
-20.06	-27.00	-14.56
-19.87	-27.33	-14.45
-19.68	-27.51	-14.35
-19.48	-28.23	-14.24
-19.28	-28.48	-14.13
-19.09	-28.35	-14.02
-18.9	-28.22	-13.91
-18.7	-27.70	-13.80
-18.52	-27.15	-13.69
-18.33	-26.72	-13.58
-18.13	-26.75	-13.46
-17.93	-26.69	-13.34
-17.74	-26.77	-13.22
-17.55	-26.63	-13.11
-17.34	-26.17	-12.98
-17.15	-25.20	-12.86
-16.96	-24.05	-12.74
-16.76	-23.32	-12.61
-16.55	-22.62	-12.47
-16.37	-22.33	-12.35
-16.18	-22.38	-12.22
-15.93	-22.66	-12.06
-15.67	-22.64	-11.88
-15.47	-22.39	-11.74
-15.27	-21.52	-11.60
-15.07	-20.57	-11.45
-14.87	-19.76	-11.31
-14.64	-19.05	-11.14
-14.46	-18.72	-11.00
-14.27	-18.73	-10.86
-14.08	-19.09	-10.72
-13.88	-19.79	-10.56
-13.69	-21.02	-10.41
-13.49	-22.39	-10.25
-13.25	-23.71	-10.06
-13.06	-24.37	-9.90
-12.88	-23.95	-9.75
-12.67	-23.18	-9.57
-12.49	-22.75	-9.41
-12.3	-22.98	-9.25
-12.11	-23.71	-9.08
-11.92	-24.79	-8.91
-11.72	-25.72	-8.72
-11.52	-24.84	-8.54
-11.3	-22.66	-8.33
-11.09	-20.22	-8.12
-10.9	-18.75	-7.94
-10.71	-17.42	-7.74
-10.52	-16.76	-7.55

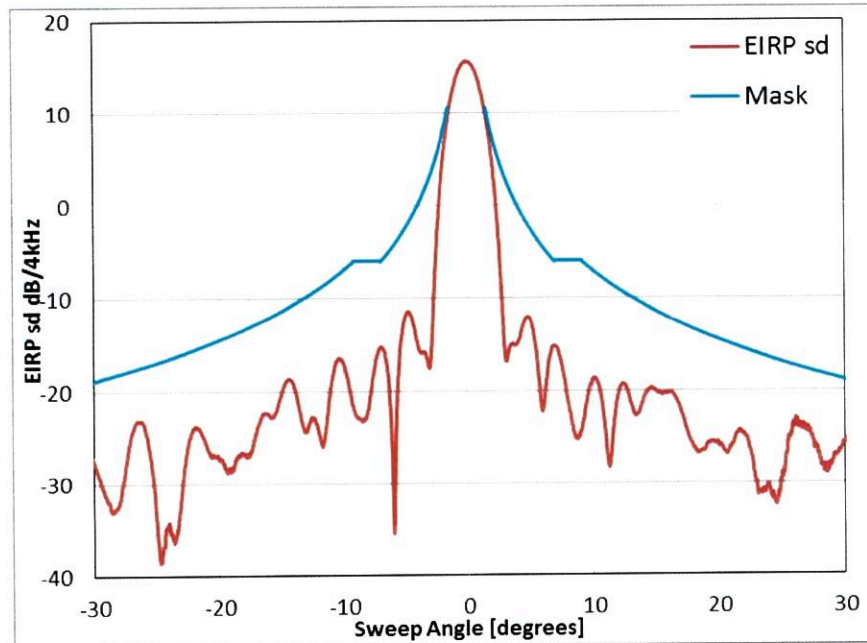
Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-10.34	-16.45	-7.36
-10.15	-16.66	-7.16
-9.94	-17.19	-6.93
-9.75	-18.23	-6.73
-9.56	-19.40	-6.51
-9.34	-20.99	-6.26
-9.14	-22.13	-6.00
-8.94	-22.74	-6.00
-8.76	-22.83	-6.00
-8.57	-23.09	-6.00
-8.34	-23.08	-6.00
-8.1	-22.35	-6.00
-7.9	-20.96	-6.00
-7.72	-19.22	-6.00
-7.53	-17.58	-6.00
-7.34	-16.35	-6.00
-7.15	-15.56	-6.00
-6.93	-15.30	-6.02
-6.75	-15.64	-5.73
-6.54	-16.89	-5.39
-6.36	-19.23	-5.09
-6.17	-23.97	-4.76
-5.97	-35.37	-4.40
-5.77	-23.75	-4.03
-5.58	-18.20	-3.67
-5.4	-14.87	-3.31
-5.2	-12.93	-2.90
-5	-11.83	-2.47
-4.8	-11.41	-2.03
-4.6	-11.69	-1.57
-4.39	-12.61	-1.06
-4.19	-13.95	-0.56
-4	-15.22	-0.05
-3.77	-15.86	0.59
-3.58	-15.78	1.15
-3.39	-16.10	1.75
-3.2	-17.11	2.37
-3	-16.98	3.07
-2.81	-12.50	3.78
-2.62	-6.93	4.54
-2.44	-2.74	5.32
-2.24	0.68	6.24
-2.06	3.63	7.15
-1.87	5.94	8.20
-1.67	8.07	9.43
-1.49	9.77	
-1.31	11.16	
-1.11	12.35	
-0.92	13.47	
-0.72	14.24	
-0.51	14.88	

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-0.33	15.30	
-0.14	15.54	
0	15.58	
0.06	15.54	
0.27	15.41	
0.45	15.08	
0.65	14.56	
0.84	13.90	
1.03	13.04	
1.21	11.99	
1.45	10.32	
1.67	8.32	9.43
1.87	6.42	8.20
2.07	4.04	7.10
2.26	0.91	6.15
2.47	-2.86	5.18
2.66	-7.00	4.38
2.86	-12.94	3.59
3.05	-16.59	2.89
3.24	-16.29	2.24
3.43	-15.25	1.62
3.62	-15.01	1.03
3.81	-15.15	0.48
4	-14.96	-0.05
4.19	-14.25	-0.56
4.38	-13.17	-1.04
4.6	-12.35	-1.57
4.81	-12.00	-2.05
4.99	-12.17	-2.45
5.19	-13.05	-2.88
5.38	-14.50	-3.27
5.57	-16.69	-3.65
5.76	-19.41	-4.01
5.95	-22.03	-4.36
6.14	-21.24	-4.70
6.36	-18.57	-5.09
6.57	-16.45	-5.44
6.77	-15.38	-5.76
6.96	-15.19	-6.07
7.16	-15.41	-6.00
7.34	-16.18	-6.00
7.55	-17.22	-6.00
7.79	-19.08	-6.00
7.97	-20.75	-6.00
8.16	-22.13	-6.00
8.37	-23.56	-6.00
8.55	-24.74	-6.00
8.75	-25.05	-6.00
8.94	-24.70	-6.00
9.14	-24.15	-6.00
9.36	-22.40	-6.28
9.57	-20.97	-6.52

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
9.75	-19.76	-6.73
9.94	-19.16	-6.93
10.14	-18.71	-7.15
10.32	-18.93	-7.34
10.52	-19.62	-7.55
10.72	-20.93	-7.75
10.91	-23.03	-7.95
11.1	-25.99	-8.13
11.31	-28.11	-8.34
11.5	-26.84	-8.52
11.68	-23.98	-8.69
11.88	-21.89	-8.87
12.08	-20.30	-9.05
12.28	-19.52	-9.23
12.51	-19.35	-9.43
12.69	-19.64	-9.59
12.9	-20.44	-9.76
13.09	-21.49	-9.92
13.28	-22.28	-10.08
13.46	-22.75	-10.23
13.66	-22.55	-10.39
13.84	-21.88	-10.53
14.03	-20.98	-10.68
14.24	-20.36	-10.84
14.42	-20.00	-10.97
14.61	-19.84	-11.12
14.8	-19.80	-11.26
15	-19.95	-11.40
15.2	-20.23	-11.55
15.4	-20.26	-11.69
15.58	-20.41	-11.81
15.77	-20.30	-11.95
16.01	-20.26	-12.11
16.22	-20.23	-12.25
16.4	-20.36	-12.37
16.6	-20.70	-12.50
16.77	-21.24	-12.61
16.98	-21.87	-12.75
17.15	-22.61	-12.86
17.34	-23.45	-12.98
17.53	-24.28	-13.09
17.72	-25.11	-13.21
17.92	-25.63	-13.33
18.12	-26.21	-13.45
18.3	-26.64	-13.56
18.49	-26.67	-13.67
18.73	-26.51	-13.81
18.94	-26.45	-13.93
19.13	-25.79	-14.04
19.31	-25.67	-14.14
19.51	-25.46	-14.26
19.7	-25.54	-14.36
19.89	-25.65	-14.47

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
20.07	-25.81	-14.56
20.29	-25.95	-14.68
20.49	-26.49	-14.79
20.67	-26.78	-14.88
20.85	-26.47	-14.98
21.05	-26.04	-15.08
21.25	-25.61	-15.18
21.43	-24.76	-15.28
21.64	-24.41	-15.38
21.82	-24.37	-15.47
22.01	-24.66	-15.57
22.22	-24.96	-15.67
22.4	-25.68	-15.76
22.68	-27.12	-15.89
22.89	-29.15	-15.99
23.07	-30.05	-16.08
23.26	-31.04	-16.17
23.47	-31.19	-16.26
23.66	-30.84	-16.35
23.84	-30.44	-16.43
24.05	-30.61	-16.53
24.29	-31.70	-16.64
24.48	-32.01	-16.72
24.68	-32.02	-16.81
24.87	-31.08	-16.89
25.06	-28.87	-16.97
25.26	-28.85	-17.06
25.44	-26.68	-17.14
25.63	-25.13	-17.22
25.82	-24.49	-17.30
26.03	-23.72	-17.39
26.2	-23.58	-17.46
26.4	-23.88	-17.54
26.58	-23.63	-17.61
26.77	-23.77	-17.69
26.98	-24.40	-17.78
27.17	-24.08	-17.85
27.36	-24.94	-17.93
27.56	-25.46	-18.01
27.75	-26.13	-18.08
27.94	-26.84	-18.16
28.13	-28.11	-18.23
28.37	-28.76	-18.32
28.58	-28.92	-18.40
28.81	-28.23	-18.49
29.02	-27.86	-18.57
29.2	-26.90	-18.63
29.4	-26.84	-18.71
29.58	-26.39	-18.77
29.77	-26.20	-18.84
29.96	-25.54	-18.91
30	-25.67	-18.92

1.4. Elevation Pattern for Co-pol, Narrow Angle (-30°~30°)



14.25GHz EIRP spectral density @ -22.4 dBW/4kHz Input power spectral density

- **FCC EIRP spectral density regulation**

18-25log(θ)	dBW/4kHz	for	$3.0^\circ \leq \theta \leq 48^\circ$
-24	dBW/4kHz	for	$48^\circ < \theta \leq 85^\circ$
-14	dBW/4kHz	for	$85^\circ < \theta \leq 180^\circ$

The v65's Radiation pattern meets the FCC EIRP spectral density mask when the Input powers spectral density is @ -22.4 dBW/4kHz



2.3. Azimuth Pattern for Cross-pol (-10°~10°)

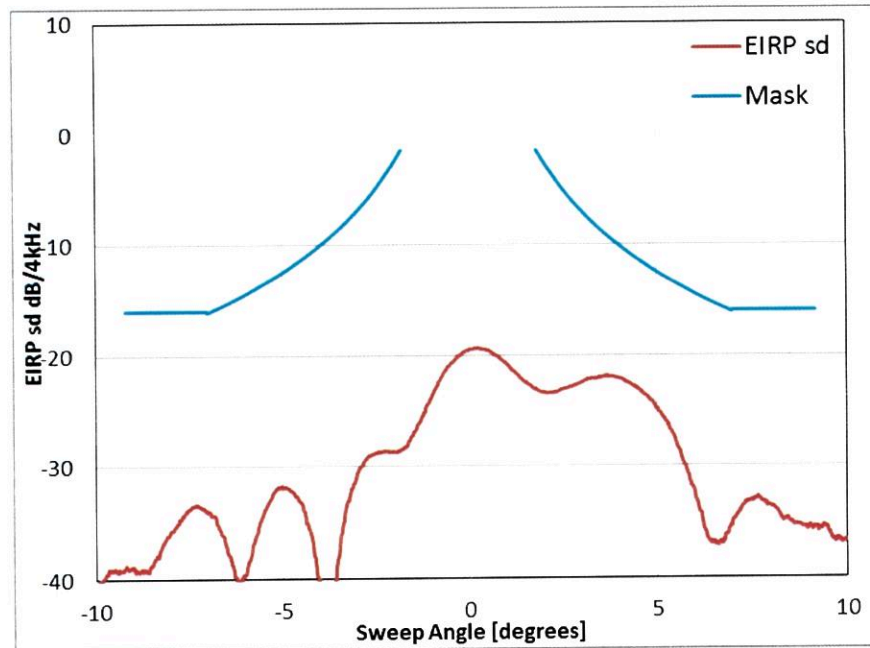
Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-10	-41.18	-16.00
-9.85	-40.01	-16.00
-9.66	-39.02	-16.00
-9.54	-39.08	-16.00
-9.41	-39.28	-16.00
-9.26	-39.12	-16.00
-9.15	-38.89	-16.00
-9.03	-38.92	-16.00
-8.92	-39.12	-16.00
-8.81	-39.17	-16.00
-8.69	-39.15	-16.00
-8.56	-38.89	-16.00
-8.45	-38.26	-16.00
-8.33	-37.98	-16.00
-8.22	-36.82	-16.00
-8.11	-36.16	-16.00
-7.99	-35.65	-16.00
-7.88	-35.33	-16.00
-7.77	-34.64	-16.00
-7.65	-34.33	-16.00
-7.54	-33.85	-16.00
-7.43	-33.48	-16.00
-7.32	-33.33	-16.00
-7.2	-33.62	-16.00
-7.09	-33.80	-16.00
-6.97	-33.99	-16.08
-6.76	-35.05	-15.75
-6.65	-35.98	-15.57
-6.49	-37.60	-15.31
-6.38	-38.52	-15.12
-6.27	-39.70	-14.93
-6.15	-39.99	-14.72
-6.04	-39.62	-14.53
-5.93	-38.33	-14.33
-5.79	-36.73	-14.07
-5.68	-35.74	-13.86
-5.57	-34.50	-13.65
-5.46	-33.66	-13.43
-5.34	-32.90	-13.19
-5.23	-32.13	-12.96
-5.12	-31.80	-12.73
-5.01	-31.78	-12.50
-4.89	-31.90	-12.23
-4.77	-32.14	-11.96
-4.66	-32.64	-11.71
-4.54	-33.10	-11.43
-4.41	-34.34	-11.11
-4.28	-35.78	-10.79
-4.18	-37.89	-10.53
-4.06	-40.04	-10.21

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-3.95	-43.76	-9.91
-3.83	-45.68	-9.58
-3.72	-43.69	-9.26
-3.61	-40.00	-8.94
-3.5	-37.36	-8.60
-3.38	-34.89	-8.22
-3.27	-33.02	-7.86
-3.16	-31.91	-7.49
-3.04	-30.91	-7.07
-2.93	-29.98	-6.67
-2.81	-29.38	-6.22
-2.68	-28.99	-5.70
-2.56	-28.83	-5.21
-2.44	-28.61	-4.68
-2.33	-28.61	-4.18
-2.22	-28.59	-3.66
-2.1	-28.63	-3.06
-1.99	-28.62	-2.47
-1.88	-28.49	-1.85
-1.76	-28.32	
-1.64	-27.75	
-1.51	-27.00	
-1.4	-26.26	
-1.28	-25.48	
-1.13	-24.39	
-1	-23.53	
-0.89	-22.76	
-0.77	-22.01	
-0.66	-21.41	
-0.53	-20.86	
-0.4	-20.49	
-0.28	-20.02	
-0.17	-19.71	
-0.06	-19.53	
0.07	-19.42	
0.19	-19.34	
0.3	-19.41	
0.41	-19.46	
0.52	-19.59	
0.65	-19.84	
0.78	-20.14	
0.89	-20.46	
1.01	-20.82	
1.12	-21.24	
1.23	-21.58	
1.34	-21.98	
1.46	-22.37	
1.57	-22.60	
1.69	-22.91	
1.81	-23.14	-1.44

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
1.92	-23.31	-2.08
2.03	-23.37	-2.69
2.15	-23.41	-3.31
2.26	-23.32	-3.85
2.37	-23.27	-4.37
2.49	-23.09	-4.90
2.59	-22.97	-5.33
2.71	-22.85	-5.82
2.84	-22.71	-6.33
2.96	-22.54	-6.78
3.07	-22.29	-7.18
3.18	-22.18	-7.56
3.29	-22.09	-7.93
3.41	-22.09	-8.32
3.53	-21.99	-8.69
3.64	-21.82	-9.03
3.76	-21.95	-9.38
3.87	-21.98	-9.69
3.98	-22.07	-10.00
4.1	-22.24	-10.32
4.21	-22.50	-10.61
4.32	-22.64	-10.89
4.44	-22.98	-11.18
4.55	-23.23	-11.45
4.66	-23.53	-11.71
4.78	-23.91	-11.99
4.89	-24.26	-12.23
5	-24.91	-12.47
5.14	-25.47	-12.77
5.26	-26.04	-13.02
5.37	-26.86	-13.25
5.49	-27.73	-13.49
5.63	-28.95	-13.76
5.74	-29.97	-13.97
5.86	-31.23	-14.20
5.98	-32.12	-14.42
6.09	-33.57	-14.62
6.2	-34.83	-14.81
6.32	-36.38	-15.02
6.43	-36.71	-15.21
6.55	-37.01	-15.41
6.66	-36.85	-15.59
6.79	-36.72	-15.80
6.9	-35.74	-15.97
7	-34.92	-16.13
7.14	-34.29	-16.00
7.25	-33.66	-16.00
7.36	-33.33	-16.00
7.48	-33.13	-16.00
7.58	-33.03	-16.00
7.7	-32.91	-16.00

Angle	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
7.82	-33.21	-16.00
7.95	-33.51	-16.00
8.06	-33.63	-16.00
8.18	-34.00	-16.00
8.29	-34.65	-16.00
8.4	-34.74	-16.00
8.51	-34.95	-16.00
8.63	-35.29	-16.00
8.74	-35.27	-16.00
8.87	-35.41	-16.00
8.99	-35.44	-16.00
9.1	-35.72	-16.00
9.22	-35.59	-16.00
9.35	-35.66	-16.00
9.48	-35.47	-16.00
9.6	-36.35	-16.00
9.72	-36.74	-16.00
9.83	-36.66	-16.00
9.94	-36.77	-16.00
10	-36.79	-16.00

1.3. Azimuth Pattern for Cross-pol, Narrow angle (-10°~10°)



14.25GHz EIRP spectral density @ -22.4 dBW/4kHz Input power spectral density

- **FCC EIRP spectral density regulation**

$5-25\log(\theta)$	dBW/4kHz	for	$1.8^\circ \leq \theta \leq 7.0^\circ$
-16	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$

The v65's Radiation pattern meets the FCC EIRP spectral density mask when the Input powers spectral density is @ -22.4 dBW/4kHz