Exhibit 5A.2 – Plots and Tables with §25.115(g)(1) Information for Ku-band Antennas

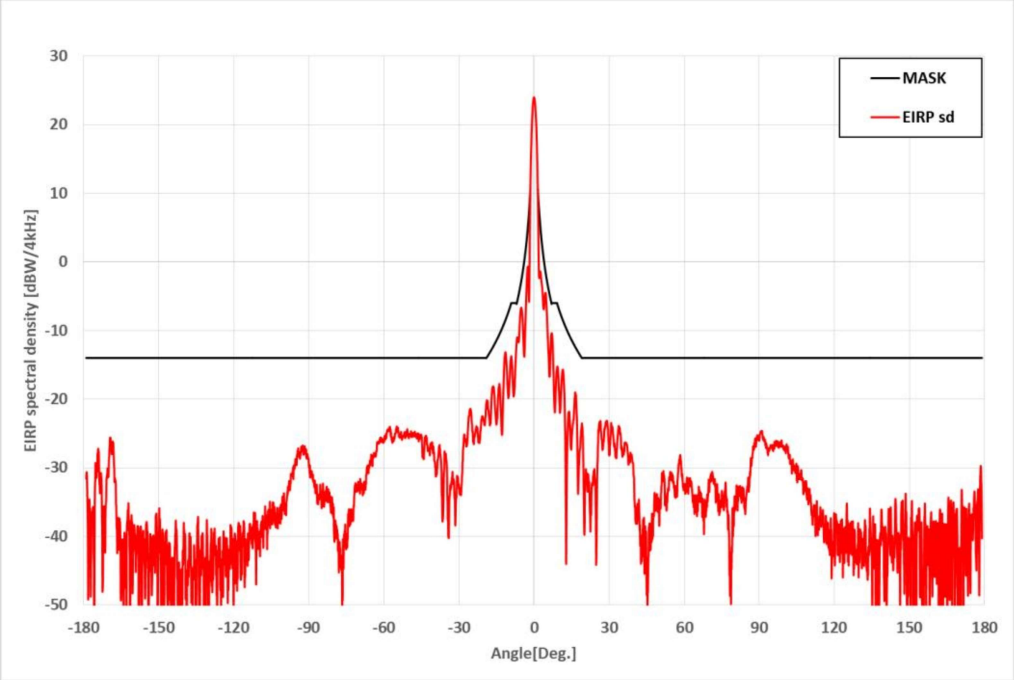
Exhibit Contains:

Plots and Tables for Intellian V100NX antenna.

1. EIRP Spectral Density of v100NX

1.1. Frequency 13.75GHz EIRP Spectral Density

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



-16.95dBW/4kHz Input power spectral density @ f=13.755GHz

- **FCC EIRP spectral density regulation**

15-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚
-6	dBW/4kHz	for	7.0˚ < θ ≤ 9.2˚
18-25log(θ)	dBW/4kHz	for	9.2˚ < θ ≤ 19.1˚
-14	dBW/4kHz	for	19.1˚ < θ ≤ 180˚

The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2. EIRP Spectral Density Data

2.1. Frequency 13.75GHz Data

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

F=13.75GHz, -16.95dBW/4KHz EIRP sd		
-179	-31.613	-14.000
-178	-38.876	-14.000
-177	-43.192	-14.000
-176	-42.142	-14.000
-175	-30.492	-14.000
-174	-27.662	-14.000
-173	-31.318	-14.000
-172	-35.629	-14.000
-171	-34.393	-14.000
-170	-29.957	-14.000
-169	-27.056	-14.000
-168	-28.461	-14.000
-167	-35.489	-14.000
-166	-41.887	-14.000
-165	-47.129	-14.000
-164	-48.282	-14.000
-163	-44.923	-14.000
-162	-39.096	-14.000
-161	-39.335	-14.000
-160	-40.237	-14.000
-159	-42.457	-14.000
-158	-64.911	-14.000
-157	-41.400	-14.000
-156	-41.099	-14.000
-155	-38.875	-14.000
-154	-50.465	-14.000
-153	-42.314	-14.000
-152	-39.984	-14.000
-151	-36.749	-14.000
-150	-42.376	-14.000
-149	-57.521	-14.000
-148	-45.386	-14.000
-147	-40.148	-14.000
-146	-41.866	-14.000
-145	-51.233	-14.000
-144	-48.872	-14.000
-143	-38.909	-14.000
-142	-47.995	-14.000
-141	-49.760	-14.000
-140	-38.008	-14.000
-139	-49.064	-14.000
-138	-43.318	-14.000
-137	-49.678	-14.000
-136	-44.585	-14.000
-135	-49.060	-14.000
-134	-43.189	-14.000
-133	-42.536	-14.000
-132	-50.870	-14.000
-131	-43.202	-14.000
-130	-47.473	-14.000
-129	-38.898	-14.000
-128	-39.429	-14.000
-127	-44.996	-14.000
-126	-42.163	-14.000
-125	-46.147	-14.000
-124	-40.964	-14.000
-123	-42.367	-14.000
-122	-44.457	-14.000
-121	-38.685	-14.000
-120	-45.438	-14.000
-119	-44.399	-14.000
-118	-38.146	-14.000
-117	-42.660	-14.000
-116	-41.389	-14.000
-115	-42.486	-14.000
-114	-42.661	-14.000
-113	-39.725	-14.000
-112	-36.518	-14.000
-111	-42.708	-14.000
-110	-39.728	-14.000
-109	-37.827	-14.000
-108	-38.245	-14.000
-107	-37.043	-14.000
-106	-37.159	-14.000
-105	-38.219	-14.000
-104	-37.496	-14.000
-103	-37.377	-14.000
-102	-38.014	-14.000
-101	-36.621	-14.000
-100	-33.705	-14.000
-99	-34.968	-14.000
-98	-32.931	-14.000
-97	-31.072	-14.000
-96	-29.693	-14.000
-95	-29.477	-14.000
-94	-28.415	-14.000
-93	-27.463	-14.000
-92	-27.778	-14.000
-91	-28.564	-14.000
-90	-29.841	-14.000
-89	-30.859	-14.000
-88	-31.895	-14.000
-87	-32.939	-14.000
-86	-34.575	-14.000
-85	-34.840	-14.000
-84	-35.661	-14.000
-83	-33.073	-14.000
-82	-33.859	-14.000
-81	-34.807	-14.000
-80	-38.994	-14.000

-79	-38.481	-14.000
-78	-45.258	-14.000
-77	-44.908	-14.000
-76	-40.188	-14.000
-75	-40.761	-14.000
-74	-36.102	-14.000
-73	-37.808	-14.000
-72	-35.673	-14.000
-71	-33.436	-14.000
-70	-33.189	-14.000
-69	-32.380	-14.000
-68	-33.411	-14.000
-67	-31.120	-14.000
-66	-29.944	-14.000
-65	-28.109	-14.000
-64	-27.840	-14.000
-63	-27.514	-14.000
-62	-26.393	-14.000
-61	-25.790	-14.000
-60	-26.231	-14.000
-59	-25.293	-14.000
-58	-24.255	-14.000
-57	-25.617	-14.000
-56	-25.549	-14.000
-55	-24.149	-14.000
-54	-25.514	-14.000
-53	-25.307	-14.000
-52	-25.129	-14.000
-51	-25.412	-14.000
-50	-25.307	-14.000
-49	-25.205	-14.000
-48	-25.024	-14.000
-47	-25.502	-14.000
-46	-25.831	-14.000
-45	-25.898	-14.000
-44	-27.833	-14.000
-43	-25.657	-14.000
-42	-27.141	-14.000
-41	-26.375	-14.000
-40	-27.744	-14.000
-39	-30.697	-14.000
-38	-26.868	-14.000
-37	-31.207	-14.000
-36	-30.425	-14.000
-35	-29.182	-14.000
-34	-37.188	-14.000
-33	-32.440	-14.000
-32	-32.141	-14.000
-31	-33.503	-14.000
-30	-33.099	-14.000
-29	-32.479	-14.000
-28	-25.253	-14.000
-27	-26.786	-14.000
-26	-22.517	-14.000
-25	-22.895	-14.000
-24	-25.838	-14.000
-23	-24.106	-14.000
-22	-26.322	-14.000
-21	-22.935	-14.000
-20	-23.498	-14.000
-19	-20.459	-13.969
-18	-22.422	-13.382
-17	-19.726	-12.761
-16	-19.061	-12.103
-15	-23.659	-11.402
-14	-18.108	-10.653
-13	-24.444	-9.849
-12	-15.456	-8.980
-11	-14.971	-8.035
-10	-18.529	-7.000
-9	-14.160	-6.000
-8	-19.364	-6.000
-7	-11.683	-6.127
-6	-10.997	-4.454
-5	-6.879	-2.474
-4	-13.686	-0.051
-3	-3.597	3.072
-2	-5.775	7.474
-1	18.713	
0	23.968	
1	18.401	
2	-2.351	7.474
3	-3.055	3.072
4	-6.500	-0.051
5	-6.625	-2.474
6	-15.630	-4.454
7	-10.385	-6.127
8	-19.938	-6.000
9	-15.949	-6.000
10	-19.187	-7.000
11	-17.416	-8.035
12	-18.412	-8.980
13	-34.581	-9.849
14	-21.811	-10.653
15	-26.032	-11.402
16	-21.295	-12.103
17	-22.095	-12.761
18	-29.491	-13.382
19	-23.912	-13.969
20	-38.034	-14.000
21	-30.770	-14.000
22	-32.032	-14.000
23	-33.273	-14.000
24	-30.690	-14.000
25	-39.920	-14.000
26	-23.503	-14.000
27	-25.894	-14.000
28	-25.390	-14.000

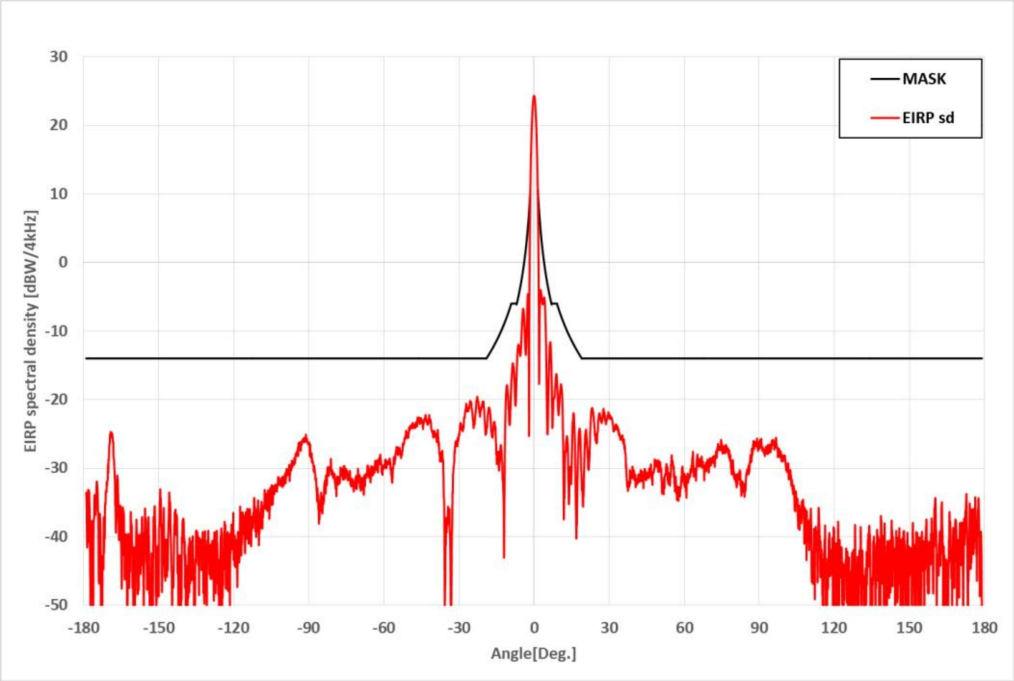
29	-23.356	-14.000
30	-28.201	-14.000
31	-23.912	-14.000
32	-26.950	-14.000
33	-27.583	-14.000
34	-24.173	-14.000
35	-27.457	-14.000
36	-27.682	-14.000
37	-26.526	-14.000
38	-29.175	-14.000
39	-28.095	-14.000
40	-32.294	-14.000
41	-37.415	-14.000
42	-36.083	-14.000
43	-43.648	-14.000
44	-39.651	-14.000
45	-48.587	-14.000
46	-40.204	-14.000
47	-40.749	-14.000
48	-34.979	-14.000
49	-34.327	-14.000
50	-38.448	-14.000
51	-32.474	-14.000
52	-31.448	-14.000
53	-35.913	-14.000
54	-31.362	-14.000
55	-31.504	-14.000
56	-32.609	-14.000
57	-33.624	-14.000
58	-28.852	-14.000
59	-31.129	-14.000
60	-32.767	-14.000
61	-31.925	-14.000
62	-31.632	-14.000
63	-32.892	-14.000
64	-34.839	-14.000
65	-35.076	-14.000
66	-33.419	-14.000
67	-34.495	-14.000
68	-36.274	-14.000
69	-34.843	-14.000
70	-33.535	-14.000
71	-31.356	-14.000
72	-32.232	-14.000
73	-33.553	-14.000
74	-36.884	-14.000
75	-33.383	-14.000
76	-34.266	-14.000
77	-34.606	-14.000
78	-41.491	-14.000
79	-41.570	-14.000
80	-36.479	-14.000
81	-32.999	-14.000
82	-33.933	-14.000
83	-34.387	-14.000

84	-35.832	-14.000
85	-33.222	-14.000
86	-32.792	-14.000
87	-28.621	-14.000
88	-26.427	-14.000
89	-25.558	-14.000
90	-26.066	-14.000
91	-24.717	-14.000
92	-26.162	-14.000
93	-26.851	-14.000
94	-27.513	-14.000
95	-26.691	-14.000
96	-27.212	-14.000
97	-26.333	-14.000
98	-26.371	-14.000
99	-26.575	-14.000
100	-27.165	-14.000
101	-27.302	-14.000
102	-28.306	-14.000
103	-30.825	-14.000
104	-29.958	-14.000
105	-31.870	-14.000
106	-31.162	-14.000
107	-31.686	-14.000
108	-32.469	-14.000
109	-34.261	-14.000
110	-34.168	-14.000
111	-36.935	-14.000
112	-37.120	-14.000
113	-34.854	-14.000
114	-37.079	-14.000
115	-37.397	-14.000
116	-40.844	-14.000
117	-40.526	-14.000
118	-42.078	-14.000
119	-43.874	-14.000
120	-40.415	-14.000
121	-37.837	-14.000
122	-39.260	-14.000
123	-37.590	-14.000
124	-43.861	-14.000
125	-35.257	-14.000
126	-39.870	-14.000
127	-40.238	-14.000
128	-39.027	-14.000
129	-44.084	-14.000
130	-43.809	-14.000
131	-44.623	-14.000
132	-39.443	-14.000
133	-45.045	-14.000
134	-38.947	-14.000
135	-43.892	-14.000
136	-40.412	-14.000
137	-42.457	-14.000
138	-47.716	-14.000

139	-37.905	-14.000
140	-49.436	-14.000
141	-47.769	-14.000
142	-39.594	-14.000
143	-43.808	-14.000
144	-43.073	-14.000
145	-41.730	-14.000
146	-42.246	-14.000
147	-36.238	-14.000
148	-48.390	-14.000
149	-50.188	-14.000
150	-43.750	-14.000
151	-34.847	-14.000
152	-41.394	-14.000
153	-39.448	-14.000
154	-36.594	-14.000
155	-47.733	-14.000
156	-37.169	-14.000
157	-39.481	-14.000
158	-46.372	-14.000
159	-45.181	-14.000
160	-42.396	-14.000
161	-46.898	-14.000
162	-40.760	-14.000
163	-37.234	-14.000
164	-41.224	-14.000
165	-44.397	-14.000
166	-43.943	-14.000
167	-44.739	-14.000
168	-40.334	-14.000
169	-35.975	-14.000
170	-42.328	-14.000
171	-34.604	-14.000
172	-35.757	-14.000
173	-37.414	-14.000
174	-37.929	-14.000
175	-37.933	-14.000
176	-33.444	-14.000
177	-39.473	-14.000
178	-43.672	-14.000
179	-40.301	-14.000

1.3. Frequency 14.50GHz EIRP Spectral Density

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



-16.95dBW/4kHz Input power spectral density @ f=14.50GHz

- **FCC EIRP spectral density regulation**

15-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚
-6	dBW/4kHz	for	7.0˚ < θ ≤ 9.2˚
18-25log(θ)	dBW/4kHz	for	9.2˚ < θ ≤ 19.1˚
-14	dBW/4kHz	for	19.1˚ < θ ≤ 180˚

The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2.3. Frequency 14.50GHz Data

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

F=14.50GHz, -16.95dBW/4KHz EIRP sd		
-179	-33.565	-14.000
-178	-33.697	-14.000
-177	-43.016	-14.000
-176	-37.622	-14.000
-175	-34.530	-14.000
-174	-45.782	-14.000
-173	-52.806	-14.000
-172	-37.192	-14.000
-171	-33.397	-14.000
-170	-28.944	-14.000
-169	-25.086	-14.000
-168	-28.585	-14.000
-167	-37.279	-14.000
-166	-38.509	-14.000
-165	-41.839	-14.000
-164	-36.480	-14.000
-163	-41.021	-14.000
-162	-42.612	-14.000
-161	-38.011	-14.000
-160	-41.735	-14.000
-159	-38.779	-14.000
-158	-47.603	-14.000
-157	-44.222	-14.000
-156	-50.846	-14.000
-155	-40.782	-14.000
-154	-39.665	-14.000
-153	-45.733	-14.000
-152	-37.459	-14.000
-151	-55.328	-14.000
-150	-48.673	-14.000
-149	-38.599	-14.000
-148	-35.852	-14.000
-147	-40.494	-14.000
-146	-36.809	-14.000
-145	-43.719	-14.000
-144	-43.053	-14.000
-143	-38.282	-14.000
-142	-49.684	-14.000
-141	-48.802	-14.000
-140	-39.041	-14.000
-139	-72.806	-14.000
-138	-44.071	-14.000
-137	-45.898	-14.000
-136	-45.186	-14.000
-135	-39.069	-14.000
-134	-43.398	-14.000
-133	-43.094	-14.000
-132	-46.935	-14.000
-131	-48.690	-14.000
-130	-42.263	-14.000
-129	-45.466	-14.000
-128	-49.360	-14.000
-127	-43.736	-14.000
-126	-46.405	-14.000
-125	-38.837	-14.000
-124	-39.628	-14.000
-123	-42.860	-14.000
-122	-41.419	-14.000
-121	-39.111	-14.000
-120	-43.022	-14.000
-119	-40.465	-14.000
-118	-40.805	-14.000
-117	-42.685	-14.000
-116	-39.632	-14.000
-115	-37.105	-14.000
-114	-40.823	-14.000
-113	-38.860	-14.000
-112	-36.856	-14.000
-111	-37.637	-14.000
-110	-41.229	-14.000
-109	-35.718	-14.000
-108	-35.706	-14.000
-107	-35.140	-14.000
-106	-33.675	-14.000
-105	-33.767	-14.000
-104	-33.012	-14.000
-103	-32.451	-14.000
-102	-31.362	-14.000
-101	-31.515	-14.000
-100	-32.463	-14.000
-99	-30.397	-14.000
-98	-31.041	-14.000
-97	-29.614	-14.000
-96	-29.353	-14.000
-95	-28.119	-14.000
-94	-26.887	-14.000
-93	-26.488	-14.000
-92	-26.070	-14.000
-91	-25.602	-14.000
-90	-26.597	-14.000
-89	-28.305	-14.000
-88	-30.284	-14.000
-87	-32.822	-14.000
-86	-38.086	-14.000
-85	-33.951	-14.000
-84	-34.845	-14.000
-83	-31.971	-14.000
-82	-31.120	-14.000
-81	-30.131	-14.000
-80	-30.756	-14.000

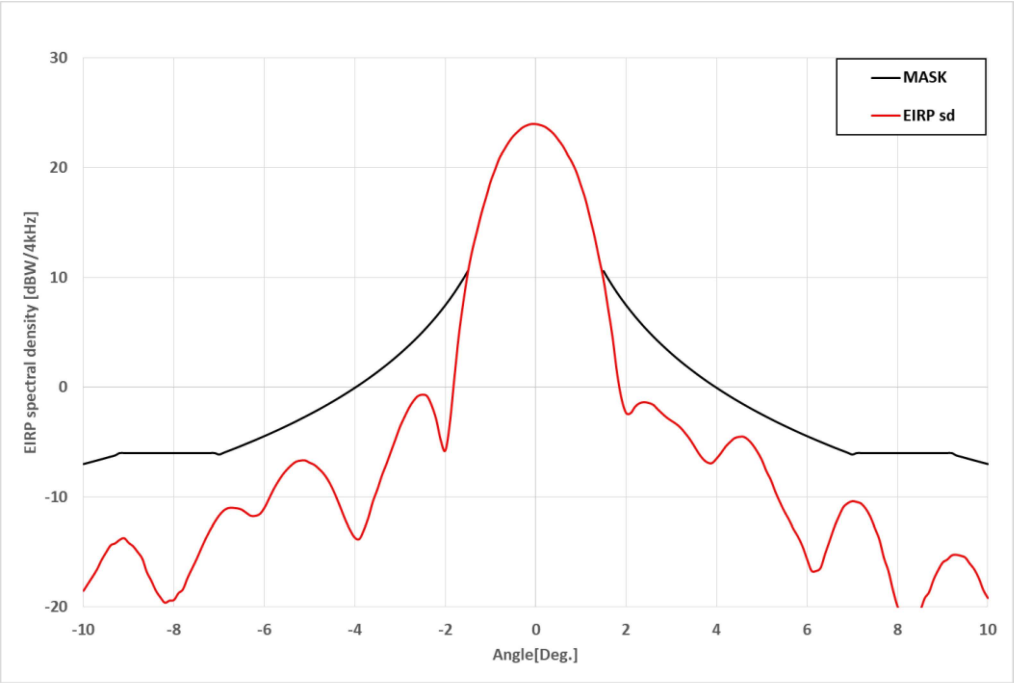
-79	-34.088	-14.000
-78	-32.297	-14.000
-77	-31.118	-14.000
-76	-30.688	-14.000
-75	-31.158	-14.000
-74	-31.644	-14.000
-73	-32.656	-14.000
-72	-32.432	-14.000
-71	-31.725	-14.000
-70	-30.940	-14.000
-69	-32.560	-14.000
-68	-33.509	-14.000
-67	-31.364	-14.000
-66	-30.472	-14.000
-65	-30.530	-14.000
-64	-29.921	-14.000
-63	-29.530	-14.000
-62	-29.374	-14.000
-61	-29.384	-14.000
-60	-30.055	-14.000
-59	-30.018	-14.000
-58	-29.378	-14.000
-57	-30.954	-14.000
-56	-28.913	-14.000
-55	-26.923	-14.000
-54	-27.965	-14.000
-53	-27.995	-14.000
-52	-26.478	-14.000
-51	-24.971	-14.000
-50	-24.247	-14.000
-49	-24.222	-14.000
-48	-24.174	-14.000
-47	-23.848	-14.000
-46	-22.739	-14.000
-45	-23.187	-14.000
-44	-23.105	-14.000
-43	-23.236	-14.000
-42	-22.508	-14.000
-41	-24.383	-14.000
-40	-24.607	-14.000
-39	-25.670	-14.000
-38	-26.584	-14.000
-37	-27.764	-14.000
-36	-34.531	-14.000
-35	-37.274	-14.000
-34	-36.065	-14.000
-33	-46.489	-14.000
-32	-29.363	-14.000
-31	-26.606	-14.000
-30	-24.883	-14.000
-29	-24.108	-14.000
-28	-22.625	-14.000
-27	-20.967	-14.000
-26	-21.208	-14.000

-25	-21.248	-14.000
-24	-23.564	-14.000
-23	-20.184	-14.000
-22	-21.183	-14.000
-21	-21.186	-14.000
-20	-21.345	-14.000
-19	-24.409	-13.969
-18	-21.177	-13.382
-17	-24.619	-12.761
-16	-23.307	-12.103
-15	-27.875	-11.402
-14	-30.356	-10.653
-13	-27.574	-9.849
-12	-43.088	-8.980
-11	-18.150	-8.035
-10	-22.981	-7.000
-9	-16.947	-6.000
-8	-16.279	-6.000
-7	-16.285	-6.127
-6	-12.317	-4.454
-5	-10.318	-2.474
-4	-8.167	-0.051
-3	-10.284	3.072
-2	-25.241	7.474
-1	18.931	
0	24.320	
1	18.366	
2	-17.574	7.474
3	-5.038	3.072
4	-5.106	-0.051
5	-17.761	-2.474
6	-14.777	-4.454
7	-16.892	-6.127
8	-19.653	-6.000
9	-16.505	-6.000
10	-20.945	-7.000
11	-18.367	-8.035
12	-34.063	-8.980
13	-25.720	-9.849
14	-34.299	-10.653
15	-29.807	-11.402
16	-23.214	-12.103
17	-37.720	-12.761
18	-24.568	-13.382
19	-31.766	-13.969
20	-30.229	-14.000
21	-25.576	-14.000
22	-29.052	-14.000
23	-21.323	-14.000
24	-23.467	-14.000
25	-25.657	-14.000
26	-22.003	-14.000
27	-23.429	-14.000
28	-21.753	-14.000

29	-22.893	-14.000
30	-22.657	-14.000
31	-22.652	-14.000
32	-24.617	-14.000
33	-24.296	-14.000
34	-25.067	-14.000
35	-25.348	-14.000
36	-26.532	-14.000
37	-31.448	-14.000
38	-32.748	-14.000
39	-30.478	-14.000
40	-31.424	-14.000
41	-32.338	-14.000
42	-31.317	-14.000
43	-30.637	-14.000
44	-31.412	-14.000
45	-30.656	-14.000
46	-30.110	-14.000
47	-31.162	-14.000
48	-30.297	-14.000
49	-29.777	-14.000
50	-30.519	-14.000
51	-32.087	-14.000
52	-31.893	-14.000
53	-29.610	-14.000
54	-31.342	-14.000
55	-28.121	-14.000
56	-30.687	-14.000
57	-32.706	-14.000
58	-33.122	-14.000
59	-32.106	-14.000
60	-32.454	-14.000
61	-31.763	-14.000
62	-31.529	-14.000
63	-29.538	-14.000
64	-31.066	-14.000
65	-28.801	-14.000
66	-28.665	-14.000
67	-28.317	-14.000
68	-31.791	-14.000
69	-29.587	-14.000
70	-28.862	-14.000
71	-28.719	-14.000
72	-28.282	-14.000
73	-28.494	-14.000
74	-27.320	-14.000
75	-26.461	-14.000
76	-27.244	-14.000
77	-27.149	-14.000
78	-27.496	-14.000
79	-30.892	-14.000
80	-30.723	-14.000
81	-32.379	-14.000
82	-31.649	-14.000
83	-32.315	-14.000
84	-34.024	-14.000
85	-30.673	-14.000
86	-30.509	-14.000
87	-27.187	-14.000
88	-26.949	-14.000
89	-26.671	-14.000
90	-26.881	-14.000
91	-26.938	-14.000
92	-27.849	-14.000
93	-27.548	-14.000
94	-27.139	-14.000
95	-25.978	-14.000
96	-27.294	-14.000
97	-27.109	-14.000
98	-28.262	-14.000
99	-28.173	-14.000
100	-28.128	-14.000
101	-30.193	-14.000
102	-30.958	-14.000
103	-31.819	-14.000
104	-33.876	-14.000
105	-34.834	-14.000
106	-35.465	-14.000
107	-34.903	-14.000
108	-41.009	-14.000
109	-36.373	-14.000
110	-39.748	-14.000
111	-46.608	-14.000
112	-43.996	-14.000
113	-41.384	-14.000
114	-38.513	-14.000
115	-45.974	-14.000
116	-41.972	-14.000
117	-65.351	-14.000
118	-39.497	-14.000
119	-43.225	-14.000
120	-48.351	-14.000
121	-41.807	-14.000
122	-43.279	-14.000
123	-44.636	-14.000
124	-49.166	-14.000
125	-49.625	-14.000
126	-47.794	-14.000
127	-44.430	-14.000
128	-45.199	-14.000
129	-44.255	-14.000
130	-42.359	-14.000
131	-46.649	-14.000
132	-53.246	-14.000
133	-47.044	-14.000
134	-38.396	-14.000
135	-48.856	-14.000
136	-46.269	-14.000
137	-42.004	-14.000
138	-44.860	-14.000

139	-40.073	-14.000
140	-41.748	-14.000
141	-51.024	-14.000
142	-44.836	-14.000
143	-39.568	-14.000
144	-44.646	-14.000
145	-45.188	-14.000
146	-38.784	-14.000
147	-40.330	-14.000
148	-40.537	-14.000
149	-54.200	-14.000
150	-43.271	-14.000
151	-54.406	-14.000
152	-43.050	-14.000
153	-41.486	-14.000
154	-40.220	-14.000
155	-39.293	-14.000
156	-54.372	-14.000
157	-44.085	-14.000
158	-40.761	-14.000
159	-41.013	-14.000
160	-35.825	-14.000
161	-46.887	-14.000
162	-41.160	-14.000
163	-34.995	-14.000
164	-42.825	-14.000
165	-48.273	-14.000
166	-36.483	-14.000
167	-45.064	-14.000
168	-47.329	-14.000
169	-52.574	-14.000
170	-41.237	-14.000
171	-38.217	-14.000
172	-41.146	-14.000
173	-38.683	-14.000
174	-38.932	-14.000
175	-36.389	-14.000
176	-36.421	-14.000
177	-46.454	-14.000
178	-39.751	-14.000
179	-51.555	-14.000

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



-16.95dBW/4kHz Input power spectral density @ f=13.75GHz

- **FCC EIRP spectral density regulation**

15-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚
-6	dBW/4kHz	for	7.0˚ < θ ≤ 9.2˚
18-25log(θ)	dBW/4kHz	for	9.2˚ < θ ≤ 19.1˚
-14	dBW/4kHz	for	19.1˚ < θ ≤ 180˚

The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

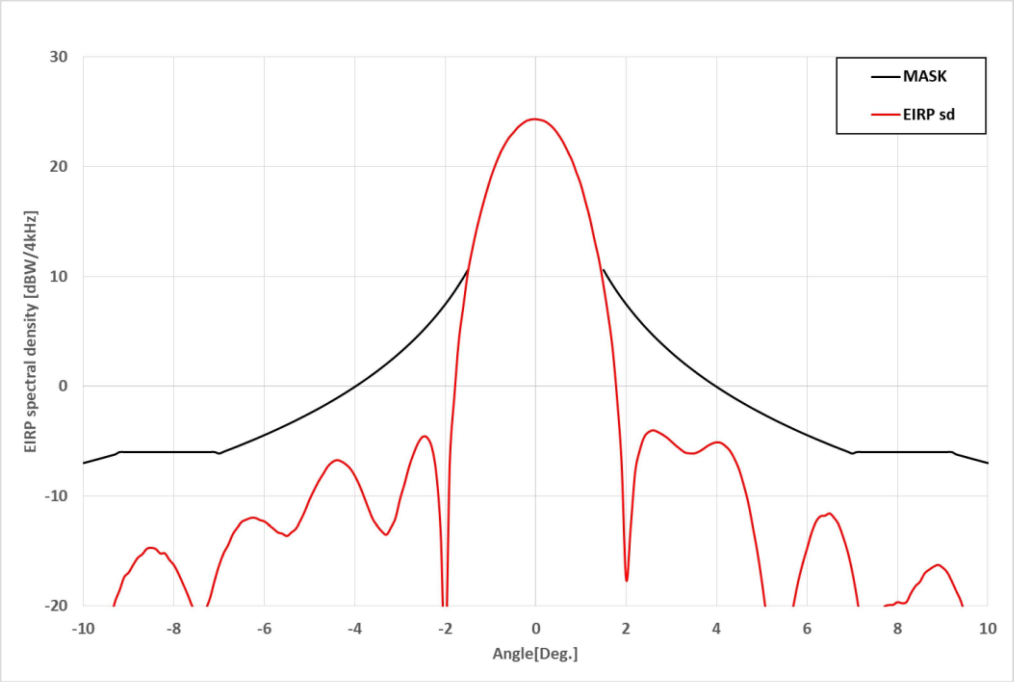
2.1.2. Azimuth Pattern for Co-pol (-10°~10°)

F=13.75GHz, -16.95dBW/4KHz EIRP sd		
-10	-18.529	-7.000
-9.9	-17.882	-6.891
-9.8	-17.248	-6.781
-9.7	-16.572	-6.669
-9.6	-15.714	-6.557
-9.5	-15.026	-6.443
-9.4	-14.385	-6.328
-9.3	-14.203	-6.212
-9.2	-13.887	-6.000
-9.1	-13.734	-6.000
-9	-14.160	-6.000
-8.9	-14.478	-6.000
-8.8	-15.007	-6.000
-8.7	-15.601	-6.000
-8.6	-16.810	-6.000
-8.5	-17.610	-6.000
-8.4	-18.507	-6.000
-8.3	-19.119	-6.000
-8.2	-19.616	-6.000
-8.1	-19.421	-6.000
-8	-19.364	-6.000
-7.9	-18.748	-6.000
-7.8	-18.390	-6.000
-7.7	-17.367	-6.000
-7.6	-16.502	-6.000
-7.5	-15.649	-6.000
-7.4	-14.702	-6.000
-7.3	-13.795	-6.000
-7.2	-12.997	-6.000
-7.1	-12.293	-6.000
-7	-11.683	-6.127
-6.9	-11.238	-5.971
-6.8	-11.012	-5.813
-6.7	-10.991	-5.652
-6.6	-11.034	-5.489
-6.5	-11.157	-5.323
-6.4	-11.444	-5.154
-6.3	-11.714	-4.984
-6.2	-11.720	-4.810
-6.1	-11.546	-4.633
-6	-10.997	-4.454
-5.9	-10.170	-4.271
-5.8	-9.333	-4.086
-5.7	-8.622	-3.897
-5.6	-7.994	-3.705
-5.5	-7.503	-3.509
-5.4	-7.089	-3.310
-5.3	-6.783	-3.107
-5.2	-6.685	-2.900
-5.1	-6.669	-2.689
-5	-6.879	-2.474
-4.9	-7.061	-2.255
-4.8	-7.413	-2.031
-4.7	-7.826	-1.802
-4.6	-8.417	-1.569
-4.5	-9.178	-1.330
-4.4	-10.115	-1.086
-4.3	-11.140	-0.837
-4.2	-12.174	-0.581
-4.1	-13.030	-0.320
-4	-13.686	-0.051
-3.9	-13.811	0.223
-3.8	-12.997	0.505
-3.7	-11.880	0.795
-3.6	-10.411	1.092
-3.5	-9.299	1.398
-3.4	-8.033	1.713
-3.3	-6.982	2.037
-3.2	-5.847	2.371
-3.1	-4.733	2.716
-3	-3.597	3.072
-2.9	-2.700	3.440
-2.8	-1.866	3.821
-2.7	-1.223	4.216
-2.6	-0.790	4.626
-2.5	-0.676	5.051
-2.4	-0.821	5.495
-2.3	-1.668	5.957
-2.2	-2.937	6.439
-2.1	-4.827	6.945
-2	-5.775	7.474
-1.9	-3.299	8.031
-1.8	0.803	8.618
-1.7	4.714	9.239
-1.6	7.778	9.897
-1.5	10.442	10.598
-1.4	12.530	
-1.3	14.191	
-1.2	15.866	
-1.1	17.273	
-1	18.713	
-0.9	19.821	
-0.8	20.903	
-0.7	21.611	
-0.6	22.293	
-0.5	22.854	
-0.4	23.255	
-0.3	23.622	

-0.2	23.838	
-0.1	23.969	
0	23.968	
0.1	23.875	
0.2	23.728	
0.3	23.438	
0.4	23.066	
0.5	22.530	
0.6	21.965	
0.7	21.224	
0.8	20.522	
0.9	19.614	
1	18.401	
1.1	17.138	
1.2	15.469	
1.3	13.765	
1.4	11.763	
1.5	9.795	10.598
1.6	7.194	9.897
1.7	4.554	9.239
1.8	1.272	8.618
1.9	-1.080	8.031
2	-2.351	7.474
2.1	-2.360	6.945
2.2	-1.761	6.439
2.3	-1.448	5.957
2.4	-1.359	5.495
2.5	-1.433	5.051
2.6	-1.601	4.626
2.7	-2.019	4.216
2.8	-2.410	3.821
2.9	-2.771	3.440
3	-3.055	3.072
3.1	-3.326	2.716
3.2	-3.673	2.371
3.3	-4.158	2.037
3.4	-4.685	1.713
3.5	-5.326	1.398
3.6	-6.001	1.092
3.7	-6.546	0.795
3.8	-6.863	0.505
3.9	-6.906	0.223
4	-6.500	-0.051
4.1	-5.982	-0.320
4.2	-5.402	-0.581
4.3	-4.986	-0.837
4.4	-4.635	-1.086
4.5	-4.523	-1.330
4.6	-4.516	-1.569
4.7	-4.786	-1.802
4.8	-5.251	-2.031
4.9	-5.874	-2.255

5	-6.625	-2.474
5.1	-7.633	-2.689
5.2	-8.451	-2.900
5.3	-9.529	-3.107
5.4	-10.465	-3.310
5.5	-11.324	-3.509
5.6	-12.062	-3.705
5.7	-12.908	-3.897
5.8	-13.599	-4.086
5.9	-14.476	-4.271
6	-15.630	-4.454
6.1	-16.698	-4.633
6.2	-16.725	-4.810
6.3	-16.439	-4.984
6.4	-15.152	-5.154
6.5	-13.977	-5.323
6.6	-12.774	-5.489
6.7	-11.807	-5.652
6.8	-10.947	-5.813
6.9	-10.567	-5.971
7	-10.385	-6.127
7.1	-10.456	-6.000
7.2	-10.610	-6.000
7.3	-11.073	-6.000
7.4	-11.800	-6.000
7.5	-12.821	-6.000
7.6	-13.870	-6.000
7.7	-15.526	-6.000
7.8	-16.735	-6.000
7.9	-18.458	-6.000
8	-19.938	-6.000
8.1	-20.889	-6.000
8.2	-21.584	-6.000
8.3	-21.944	-6.000
8.4	-21.272	-6.000
8.5	-20.407	-6.000
8.6	-19.231	-6.000
8.7	-18.640	-6.000
8.8	-17.498	-6.000
8.9	-16.644	-6.000
9	-15.949	-6.000
9.1	-15.684	-6.000
9.2	-15.301	-6.000
9.3	-15.244	-6.212
9.4	-15.335	-6.328
9.5	-15.500	-6.443
9.6	-16.056	-6.557
9.7	-16.583	-6.669
9.8	-17.393	-6.781
9.9	-18.471	-6.891
10	-19.187	-7.000

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



-16.95dBW/4kHz Input power spectral density @ f=14.50GHz

- **FCC EIRP spectral density regulation**

15-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚
-6	dBW/4kHz	for	7.0˚ < θ ≤ 9.2˚
18-25log(θ)	dBW/4kHz	for	9.2˚ < θ ≤ 19.1˚
-14	dBW/4kHz	for	19.1˚ < θ ≤ 180˚

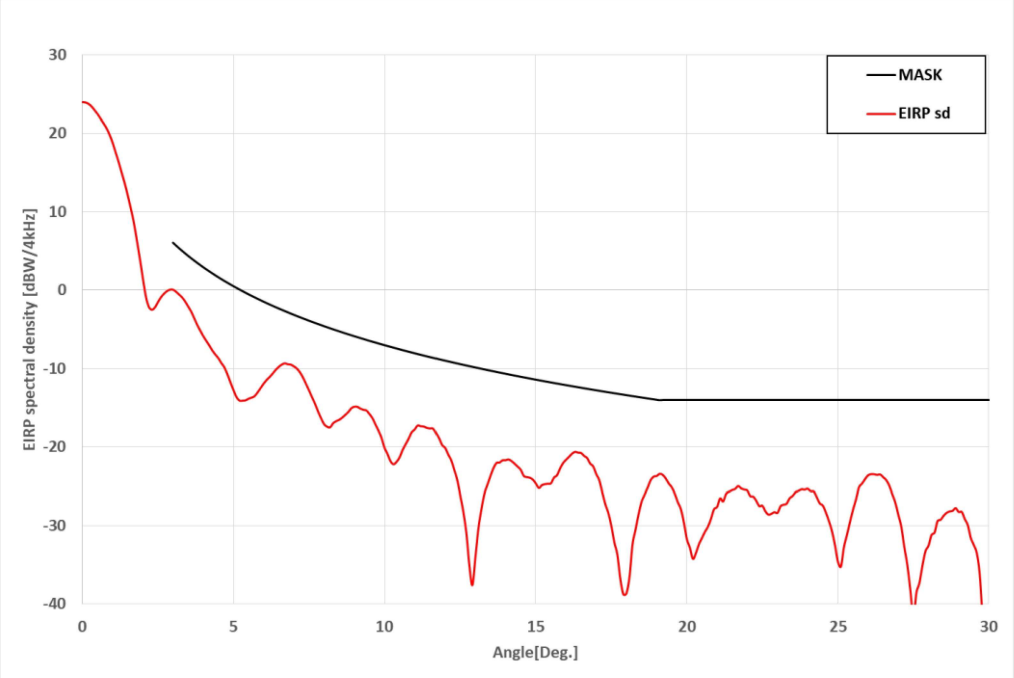
The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

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

F=14.50GHz, -16.95dBW/4KHz EIRP sd		
-10	-22.981	-7.000
-9.9	-23.641	-6.891
-9.8	-23.717	-6.781
-9.7	-23.618	-6.669
-9.6	-23.172	-6.557
-9.5	-21.745	-6.443
-9.4	-21.105	-6.328
-9.3	-19.581	-6.212
-9.2	-18.550	-6.000
-9.1	-17.379	-6.000
-9	-16.947	-6.000
-8.9	-16.245	-6.000
-8.8	-15.613	-6.000
-8.7	-15.288	-6.000
-8.6	-14.789	-6.000
-8.5	-14.702	-6.000
-8.4	-14.813	-6.000
-8.3	-15.217	-6.000
-8.2	-15.206	-6.000
-8.1	-15.799	-6.000
-8	-16.279	-6.000
-7.9	-17.054	-6.000
-7.8	-17.974	-6.000
-7.7	-18.925	-6.000
-7.6	-19.987	-6.000
-7.5	-20.878	-6.000
-7.4	-20.885	-6.000
-7.3	-20.301	-6.000
-7.2	-19.259	-6.000
-7.1	-17.683	-6.000
-7	-16.285	-6.127
-6.9	-15.188	-5.971
-6.8	-14.435	-5.813
-6.7	-13.473	-5.652
-6.6	-12.874	-5.489
-6.5	-12.360	-5.323
-6.4	-12.158	-5.154
-6.3	-11.999	-4.984
-6.2	-11.998	-4.810
-6.1	-12.194	-4.633
-6	-12.317	-4.454
-5.9	-12.632	-4.271
-5.8	-12.957	-4.086
-5.7	-13.296	-3.897
-5.6	-13.416	-3.705
-5.5	-13.625	-3.509
-5.4	-13.290	-3.310
-5.3	-12.945	-3.107
-5.2	-12.218	-2.900
-5.1	-11.341	-2.689
-5	-10.318	-2.474
-4.9	-9.463	-2.255
-4.8	-8.657	-2.031
-4.7	-7.996	-1.802
-4.6	-7.320	-1.569
-4.5	-6.918	-1.330
-4.4	-6.731	-1.086
-4.3	-6.848	-0.837
-4.2	-7.112	-0.581
-4.1	-7.510	-0.320
-4	-8.167	-0.051
-3.9	-9.010	0.223
-3.8	-10.033	0.505
-3.7	-11.120	0.795
-3.6	-12.121	1.092
-3.5	-12.730	1.398
-3.4	-13.218	1.713
-3.3	-13.499	2.037
-3.2	-12.850	2.371
-3.1	-12.007	2.716
-3	-10.284	3.072
-2.9	-8.882	3.440
-2.8	-7.339	3.821
-2.7	-6.139	4.216
-2.6	-5.170	4.626
-2.5	-4.612	5.051
-2.4	-4.678	5.495
-2.3	-5.519	5.957
-2.2	-7.928	6.439
-2.1	-13.429	6.945
-2	-25.241	7.474
-1.9	-6.993	8.031
-1.8	-0.938	8.618
-1.7	4.142	9.239
-1.6	7.290	9.897
-1.5	10.367	10.598
-1.4	12.526	
-1.3	14.431	
-1.2	16.063	
-1.1	17.560	
-1	18.931	
-0.9	20.090	
-0.8	21.099	
-0.7	21.882	
-0.6	22.583	
-0.5	23.058	
-0.4	23.550	
-0.3	23.895	

-0.2	24.173	
-0.1	24.290	
0	24.320	
0.1	24.256	
0.2	24.128	
0.3	23.852	
0.4	23.469	
0.5	22.920	
0.6	22.267	
0.7	21.443	
0.8	20.620	
0.9	19.487	
1	18.366	
1.1	16.835	
1.2	15.274	
1.3	13.340	
1.4	11.522	
1.5	9.163	10.598
1.6	6.506	9.897
1.7	3.446	9.239
1.8	-1.159	8.618
1.9	-7.094	8.031
2	-17.574	7.474
2.1	-12.880	6.945
2.2	-7.789	6.439
2.3	-5.849	5.957
2.4	-4.628	5.495
2.5	-4.169	5.051
2.6	-4.015	4.626
2.7	-4.173	4.216
2.8	-4.391	3.821
2.9	-4.671	3.440
3	-5.038	3.072
3.1	-5.410	2.716
3.2	-5.739	2.371
3.3	-6.037	2.037
3.4	-6.114	1.713
3.5	-6.129	1.398
3.6	-5.979	1.092
3.7	-5.733	0.795
3.8	-5.442	0.505
3.9	-5.226	0.223
4	-5.106	-0.051
4.1	-5.170	-0.320
4.2	-5.472	-0.581
4.3	-5.911	-0.837
4.4	-6.646	-1.086
4.5	-7.618	-1.330
4.6	-9.001	-1.569
4.7	-10.616	-1.802
4.8	-12.776	-2.031
4.9	-15.038	-2.255
5	-17.761	-2.474
5.1	-20.759	-2.689
5.2	-23.073	-2.900
5.3	-24.949	-3.107
5.4	-25.071	-3.310
5.5	-23.575	-3.509
5.6	-22.183	-3.705
5.7	-19.943	-3.897
5.8	-17.871	-4.086
5.9	-16.195	-4.271
6	-14.777	-4.454
6.1	-13.340	-4.633
6.2	-12.328	-4.810
6.3	-11.847	-4.984
6.4	-11.794	-5.154
6.5	-11.591	-5.323
6.6	-11.995	-5.489
6.7	-12.611	-5.652
6.8	-13.730	-5.813
6.9	-15.082	-5.971
7	-16.892	-6.127
7.1	-19.190	-6.000
7.2	-21.866	-6.000
7.3	-24.116	-6.000
7.4	-23.883	-6.000
7.5	-22.438	-6.000
7.6	-21.669	-6.000
7.7	-20.138	-6.000
7.8	-19.922	-6.000
7.9	-19.901	-6.000
8	-19.653	-6.000
8.1	-19.746	-6.000
8.2	-19.636	-6.000
8.3	-18.818	-6.000
8.4	-18.177	-6.000
8.5	-17.778	-6.000
8.6	-17.033	-6.000
8.7	-16.696	-6.000
8.8	-16.418	-6.000
8.9	-16.260	-6.000
9	-16.505	-6.000
9.1	-16.940	-6.000
9.2	-17.737	-6.000
9.3	-18.644	-6.212
9.4	-19.532	-6.328
9.5	-20.868	-6.443
9.6	-21.708	-6.557
9.7	-22.028	-6.669
9.8	-22.276	-6.781
9.9	-21.582	-6.891
10	-20.945	-7.000

1.1.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°)



-16.95dBW/4kHz Input power spectral density @ f=13.75GHz

- **FCC EIRP spectral density regulation**

18-25log(θ)	dBW/4kHz	for	3.0˚ ≤ θ ≤ 19.1˚
-14	dBW/4kHz	for	19.1˚ < θ ≤ 180˚

The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

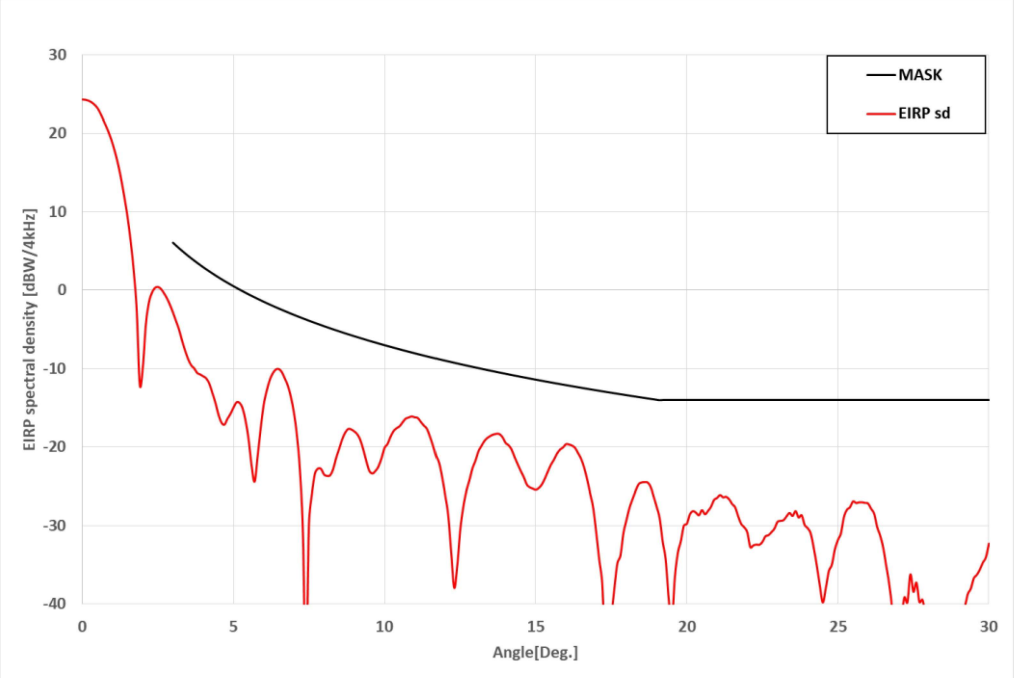
2.1.4. Elevation Pattern for Co-pol (0°~30°)

F=13.75GHz, -16.95dBW/4KHz EIRP sd		
0	23.969	
0.1	23.941	
0.2	23.762	
0.3	23.439	
0.4	22.977	
0.5	22.475	
0.6	21.882	
0.7	21.295	
0.8	20.669	
0.9	19.841	
1	18.833	
1.1	17.592	
1.2	16.363	
1.3	15.018	
1.4	13.655	
1.5	12.137	
1.6	10.467	
1.7	8.681	
1.8	6.446	
1.9	4.066	
2	1.550	
2.1	-0.765	
2.2	-2.128	
2.3	-2.478	
2.4	-2.190	
2.5	-1.511	
2.6	-0.888	
2.7	-0.437	
2.8	-0.100	
2.9	0.081	
3	0.086	6.072
3.1	-0.180	5.716
3.2	-0.538	5.371
3.3	-0.904	5.037
3.4	-1.429	4.713
3.5	-2.060	4.398
3.6	-2.719	4.092
3.7	-3.550	3.795
3.8	-4.405	3.505
3.9	-5.138	3.223
4	-5.840	2.949
4.1	-6.443	2.680
4.2	-7.039	2.419
4.3	-7.678	2.163
4.4	-8.190	1.914
4.5	-8.664	1.670
4.6	-9.289	1.431
4.7	-9.833	1.198
4.8	-10.723	0.969
4.9	-11.745	0.745
5	-12.733	0.526
5.1	-13.623	0.311
5.2	-14.077	0.100
5.3	-14.089	-0.107
5.4	-14.045	-0.310
5.5	-13.835	-0.509
5.6	-13.696	-0.705
5.7	-13.508	-0.897
5.8	-13.031	-1.086
5.9	-12.463	-1.271
6	-11.906	-1.454
6.1	-11.434	-1.633
6.2	-11.059	-1.810
6.3	-10.624	-1.984
6.4	-10.145	-2.154
6.5	-9.769	-2.323
6.6	-9.479	-2.489
6.7	-9.318	-2.652
6.8	-9.433	-2.813
6.9	-9.480	-2.971
7	-9.708	-3.127
7.1	-9.994	-3.281
7.2	-10.457	-3.433
7.3	-11.124	-3.583
7.4	-11.938	-3.731
7.5	-12.752	-3.877
7.6	-13.636	-4.020
7.7	-14.483	-4.162
7.8	-15.447	-4.302
7.9	-16.328	-4.441
8	-17.079	-4.577
8.1	-17.404	-4.712
8.2	-17.488	-4.845
8.3	-16.968	-4.977
8.4	-16.706	-5.107
8.5	-16.528	-5.235
8.6	-16.250	-5.362
8.7	-15.903	-5.488
8.8	-15.542	-5.612
8.9	-15.059	-5.735
9	-14.859	-5.856
9.1	-14.867	-5.976
9.2	-15.095	-6.095
9.3	-15.249	-6.212
9.4	-15.335	-6.328
9.5	-15.779	-6.443
9.6	-16.307	-6.557
9.7	-17.115	-6.669
9.8	-17.901	-6.781
9.9	-18.820	-6.891

10	-20.083	-7.000
10.1	-20.886	-7.108
10.2	-21.817	-7.215
10.3	-22.198	-7.321
10.4	-21.889	-7.426
10.5	-21.324	-7.530
10.6	-20.375	-7.633
10.7	-19.647	-7.735
10.8	-18.929	-7.836
10.9	-18.135	-7.936
11	-17.753	-8.035
11.1	-17.253	-8.133
11.2	-17.346	-8.230
11.3	-17.383	-8.327
11.4	-17.556	-8.423
11.5	-17.633	-8.517
11.6	-17.639	-8.611
11.7	-18.215	-8.705
11.8	-18.896	-8.797
11.9	-19.759	-8.889
12	-20.119	-8.980
12.1	-20.956	-9.070
12.2	-21.700	-9.159
12.3	-22.908	-9.248
12.4	-24.233	-9.336
12.5	-26.209	-9.423
12.6	-28.235	-9.509
12.7	-30.951	-9.595
12.8	-35.080	-9.680
12.9	-37.588	-9.765
13	-34.006	-9.849
13.1	-30.329	-9.932
13.2	-27.902	-10.014
13.3	-25.906	-10.096
13.4	-24.779	-10.178
13.5	-23.671	-10.258
13.6	-22.664	-10.338
13.7	-22.034	-10.418
13.8	-21.978	-10.497
13.9	-21.694	-10.575
14	-21.683	-10.653
14.1	-21.595	-10.730
14.2	-21.807	-10.807
14.3	-22.140	-10.883
14.4	-22.511	-10.959
14.5	-22.901	-11.034
14.6	-23.671	-11.109
14.7	-23.838	-11.183
14.8	-23.911	-11.257
14.9	-24.151	-11.330
15	-24.651	-11.402
15.1	-25.221	-11.474
15.2	-24.860	-11.546
15.3	-24.736	-11.617
15.4	-24.671	-11.688
15.5	-24.636	-11.758
15.6	-23.908	-11.828
15.7	-23.604	-11.897
15.8	-22.769	-11.966
15.9	-22.059	-12.035
16	-21.629	-12.103
16.1	-21.243	-12.171
16.2	-20.844	-12.238
16.3	-20.621	-12.305
16.4	-20.719	-12.371
16.5	-20.769	-12.437
16.6	-21.137	-12.503
16.7	-21.418	-12.568
16.8	-22.119	-12.633
16.9	-22.477	-12.697
17	-23.456	-12.761
17.1	-24.235	-12.825
17.2	-25.757	-12.888
17.3	-27.261	-12.951
17.4	-28.393	-13.014
17.5	-30.031	-13.076
17.6	-32.152	-13.138
17.7	-33.728	-13.199
17.8	-36.890	-13.261
17.9	-38.772	-13.321
18	-38.639	-13.382
18.1	-36.562	-13.442
18.2	-32.425	-13.502
18.3	-30.527	-13.561
18.4	-28.558	-13.620
18.5	-26.970	-13.679
18.6	-26.072	-13.738
18.7	-25.187	-13.796
18.8	-24.237	-13.854
18.9	-23.777	-13.912
19	-23.693	-13.969
19.1	-23.418	-14.026
19.2	-23.546	-14.000
19.3	-24.009	-14.000
19.4	-24.646	-14.000
19.5	-25.121	-14.000
19.6	-25.940	-14.000
19.7	-27.007	-14.000
19.8	-27.886	-14.000
19.9	-29.581	-14.000
20	-31.711	-14.000
20.1	-32.818	-14.000
20.2	-34.231	-14.000
20.3	-33.497	-14.000

20.4	-32.357	-14.000
20.5	-31.566	-14.000
20.6	-30.772	-14.000
20.7	-30.102	-14.000
20.8	-29.109	-14.000
20.9	-27.899	-14.000
21	-27.618	-14.000
21.1	-26.524	-14.000
21.2	-26.912	-14.000
21.3	-25.949	-14.000
21.4	-25.678	-14.000
21.5	-25.473	-14.000
21.6	-25.331	-14.000
21.7	-24.964	-14.000
21.8	-25.271	-14.000
21.9	-25.411	-14.000
22	-25.534	-14.000
22.1	-26.244	-14.000
22.2	-26.310	-14.000
22.3	-26.849	-14.000
22.4	-27.519	-14.000
22.5	-27.459	-14.000
22.6	-28.166	-14.000
22.7	-28.595	-14.000
22.8	-28.484	-14.000
22.9	-28.278	-14.000
23	-28.374	-14.000
23.1	-27.537	-14.000
23.2	-27.332	-14.000
23.3	-27.206	-14.000
23.4	-26.528	-14.000
23.5	-26.216	-14.000
23.6	-25.747	-14.000
23.7	-25.571	-14.000
23.8	-25.374	-14.000
23.9	-25.421	-14.000
24	-25.309	-14.000
24.1	-25.626	-14.000
24.2	-25.646	-14.000
24.3	-26.369	-14.000
24.4	-27.161	-14.000
24.5	-27.436	-14.000
24.6	-28.304	-14.000
24.7	-29.383	-14.000
24.8	-30.649	-14.000
24.9	-32.413	-14.000
25	-34.590	-14.000
25.1	-35.234	-14.000
25.2	-32.730	-14.000
25.3	-31.168	-14.000
25.4	-29.538	-14.000
25.5	-27.975	-14.000
25.6	-26.648	-14.000
25.7	-25.113	-14.000
25.8	-24.649	-14.000
25.9	-24.079	-14.000
26	-23.606	-14.000
26.1	-23.459	-14.000
26.2	-23.474	-14.000
26.3	-23.550	-14.000
26.4	-23.504	-14.000
26.5	-23.850	-14.000
26.6	-24.219	-14.000
26.7	-24.920	-14.000
26.8	-25.989	-14.000
26.9	-27.068	-14.000
27	-28.615	-14.000
27.1	-30.151	-14.000
27.2	-32.768	-14.000
27.3	-35.065	-14.000
27.4	-38.283	-14.000
27.5	-41.669	-14.000
27.6	-38.536	-14.000
27.7	-37.297	-14.000
27.8	-35.063	-14.000
27.9	-33.251	-14.000
28	-32.552	-14.000
28.1	-31.180	-14.000
28.2	-30.876	-14.000
28.3	-29.411	-14.000
28.4	-29.254	-14.000
28.5	-28.737	-14.000
28.6	-28.363	-14.000
28.7	-28.179	-14.000
28.8	-28.094	-14.000
28.9	-27.766	-14.000
29	-28.264	-14.000
29.1	-28.241	-14.000
29.2	-29.146	-14.000
29.3	-29.937	-14.000
29.4	-31.559	-14.000
29.5	-32.480	-14.000
29.6	-33.531	-14.000
29.7	-36.432	-14.000
29.8	-42.390	-14.000
29.9	-46.160	-14.000
30	-41.457	-14.000

1.3.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°)



-16.95dBW/4kHz Input power spectral density @ f=14.50GHz

- **FCC EIRP spectral density regulation**

18-25log(θ)	dBW/4kHz	for	3.0˚ ≤ θ ≤ 19.1˚
-14	dBW/4kHz	for	19.1˚ < θ ≤ 180˚

The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2.3.4. Elevation Pattern for Co-pol (0°~30°)

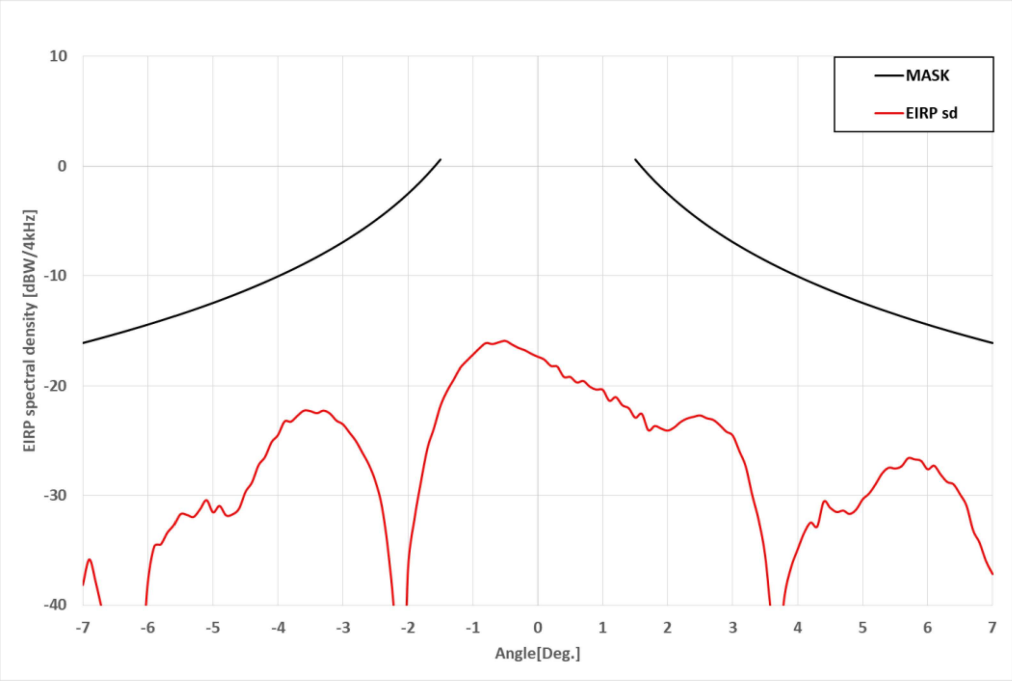
F=14.50GHz, -16.95dBW/4KHz EIRP sd		
0	24.320	
0.1	24.278	
0.2	24.162	
0.3	23.965	
0.4	23.653	
0.5	23.213	
0.6	22.508	
0.7	21.670	
0.8	20.794	
0.9	19.836	
1	18.707	
1.1	17.337	
1.2	15.755	
1.3	13.842	
1.4	11.624	
1.5	9.187	
1.6	6.148	
1.7	2.421	
1.8	-2.684	
1.9	-12.083	
2	-9.842	
2.1	-4.393	
2.2	-1.572	
2.3	-0.332	
2.4	0.296	
2.5	0.433	
2.6	0.176	
2.7	-0.363	
2.8	-1.029	
2.9	-1.877	
3	-2.849	6.072
3.1	-3.940	5.716
3.2	-5.033	5.371
3.3	-6.439	5.037
3.4	-7.696	4.713
3.5	-8.786	4.398
3.6	-9.556	4.092
3.7	-9.964	3.795
3.8	-10.540	3.505
3.9	-10.741	3.223
4	-10.976	2.949
4.1	-11.248	2.680
4.2	-11.914	2.419
4.3	-13.074	2.163
4.4	-14.304	1.914
4.5	-15.810	1.670
4.6	-16.858	1.431
4.7	-17.150	1.198
4.8	-16.406	0.969
4.9	-15.778	0.745
5	-14.972	0.526
5.1	-14.308	0.311
5.2	-14.366	0.100
5.3	-15.039	-0.107
5.4	-16.626	-0.310
5.5	-18.989	-0.509
5.6	-22.364	-0.705
5.7	-24.423	-0.897
5.8	-21.227	-1.086
5.9	-17.678	-1.271
6	-14.649	-1.454
6.1	-12.849	-1.633
6.2	-11.476	-1.810
6.3	-10.606	-1.984
6.4	-10.115	-2.154
6.5	-10.045	-2.323
6.6	-10.432	-2.489
6.7	-11.246	-2.652
6.8	-12.175	-2.813
6.9	-13.586	-2.971
7	-15.581	-3.127
7.1	-18.494	-3.281
7.2	-22.920	-3.433
7.3	-30.990	-3.583
7.4	-49.571	-3.731
7.5	-29.881	-3.877
7.6	-25.889	-4.020
7.7	-23.349	-4.162
7.8	-22.749	-4.302
7.9	-22.807	-4.441
8	-23.507	-4.577
8.1	-23.686	-4.712
8.2	-23.601	-4.845
8.3	-22.822	-4.977
8.4	-21.400	-5.107
8.5	-20.215	-5.235
8.6	-19.025	-5.362
8.7	-18.157	-5.488
8.8	-17.700	-5.612
8.9	-17.756	-5.735
9	-18.013	-5.856
9.1	-18.383	-5.976
9.2	-19.106	-6.095
9.3	-20.355	-6.212
9.4	-21.819	-6.328
9.5	-23.055	-6.443
9.6	-23.370	-6.557
9.7	-23.063	-6.669
9.8	-22.481	-6.781
9.9	-21.458	-6.891

10	-20.133	-7.000
10.1	-19.624	-7.108
10.2	-18.683	-7.215
10.3	-17.969	-7.321
10.4	-17.604	-7.426
10.5	-17.347	-7.530
10.6	-16.846	-7.633
10.7	-16.386	-7.735
10.8	-16.237	-7.836
10.9	-16.092	-7.936
11	-16.209	-8.035
11.1	-16.292	-8.133
11.2	-16.774	-8.230
11.3	-17.251	-8.327
11.4	-17.654	-8.423
11.5	-18.608	-8.517
11.6	-19.777	-8.611
11.7	-21.081	-8.705
11.8	-22.032	-8.797
11.9	-23.882	-8.889
12	-26.142	-8.980
12.1	-28.699	-9.070
12.2	-33.505	-9.159
12.3	-37.940	-9.248
12.4	-35.054	-9.336
12.5	-30.457	-9.423
12.6	-27.598	-9.509
12.7	-25.611	-9.595
12.8	-24.242	-9.680
12.9	-22.745	-9.765
13	-21.748	-9.849
13.1	-20.550	-9.932
13.2	-19.858	-10.014
13.3	-19.214	-10.096
13.4	-18.830	-10.178
13.5	-18.581	-10.258
13.6	-18.391	-10.338
13.7	-18.309	-10.418
13.8	-18.359	-10.497
13.9	-18.768	-10.575
14	-19.475	-10.653
14.1	-19.785	-10.730
14.2	-20.348	-10.807
14.3	-21.312	-10.883
14.4	-22.198	-10.959
14.5	-23.049	-11.034
14.6	-23.826	-11.109
14.7	-24.771	-11.183
14.8	-25.141	-11.257
14.9	-25.297	-11.330
15	-25.448	-11.402
15.1	-25.218	-11.474

15.2	-24.772	-11.546
15.3	-24.006	-11.617
15.4	-23.100	-11.688
15.5	-22.254	-11.758
15.6	-21.614	-11.828
15.7	-20.845	-11.897
15.8	-20.333	-11.966
15.9	-20.054	-12.035
16	-19.638	-12.103
16.1	-19.681	-12.171
16.2	-19.822	-12.238
16.3	-20.119	-12.305
16.4	-20.794	-12.371
16.5	-21.524	-12.437
16.6	-22.629	-12.503
16.7	-24.138	-12.568
16.8	-25.933	-12.633
16.9	-27.740	-12.697
17	-30.916	-12.761
17.1	-34.372	-12.825
17.2	-37.495	-12.888
17.3	-46.220	-12.951
17.4	-44.639	-13.014
17.5	-41.672	-13.076
17.6	-38.002	-13.138
17.7	-34.815	-13.199
17.8	-33.833	-13.261
17.9	-30.953	-13.321
18	-29.289	-13.382
18.1	-27.735	-13.442
18.2	-26.624	-13.502
18.3	-25.618	-13.561
18.4	-24.763	-13.620
18.5	-24.522	-13.679
18.6	-24.480	-13.738
18.7	-24.526	-13.796
18.8	-25.079	-13.854
18.9	-26.273	-13.912
19	-27.597	-13.969
19.1	-29.086	-14.026
19.2	-32.028	-14.000
19.3	-34.392	-14.000
19.4	-39.361	-14.000
19.5	-42.599	-14.000
19.6	-36.711	-14.000
19.7	-33.517	-14.000
19.8	-31.976	-14.000
19.9	-30.005	-14.000
20	-29.766	-14.000
20.1	-28.557	-14.000
20.2	-28.151	-14.000
20.3	-28.337	-14.000

20.4	-28.669	-14.000
20.5	-28.021	-14.000
20.6	-28.539	-14.000
20.7	-28.114	-14.000
20.8	-27.578	-14.000
20.9	-26.716	-14.000
21	-26.458	-14.000
21.1	-26.096	-14.000
21.2	-26.388	-14.000
21.3	-26.314	-14.000
21.4	-26.635	-14.000
21.5	-27.239	-14.000
21.6	-27.675	-14.000
21.7	-28.823	-14.000
21.8	-29.785	-14.000
21.9	-30.213	-14.000
22	-30.839	-14.000
22.1	-32.744	-14.000
22.2	-32.522	-14.000
22.3	-32.407	-14.000
22.4	-32.438	-14.000
22.5	-32.074	-14.000
22.6	-31.366	-14.000
22.7	-31.214	-14.000
22.8	-30.826	-14.000
22.9	-30.367	-14.000
23	-29.516	-14.000
23.1	-29.388	-14.000
23.2	-29.294	-14.000
23.3	-28.810	-14.000
23.4	-28.374	-14.000
23.5	-28.759	-14.000
23.6	-28.137	-14.000
23.7	-28.959	-14.000
23.8	-28.675	-14.000
23.9	-29.902	-14.000
24	-30.313	-14.000
24.1	-31.002	-14.000
24.2	-32.848	-14.000
24.3	-35.056	-14.000
24.4	-37.604	-14.000
24.5	-39.807	-14.000
24.6	-37.970	-14.000
24.7	-35.799	-14.000
24.8	-34.984	-14.000
24.9	-33.033	-14.000
25	-31.831	-14.000
25.1	-30.974	-14.000
25.2	-28.898	-14.000
25.3	-27.971	-14.000
25.4	-27.654	-14.000
25.5	-26.907	-14.000
25.6	-27.101	-14.000
25.7	-27.025	-14.000
25.8	-27.016	-14.000
25.9	-27.093	-14.000
26	-27.176	-14.000
26.1	-27.847	-14.000
26.2	-28.463	-14.000
26.3	-30.163	-14.000
26.4	-31.282	-14.000
26.5	-32.806	-14.000
26.6	-35.120	-14.000
26.7	-37.537	-14.000
26.8	-41.274	-14.000
26.9	-54.840	-14.000
27	-46.883	-14.000
27.1	-42.333	-14.000
27.2	-39.159	-14.000
27.3	-39.808	-14.000
27.4	-36.225	-14.000
27.5	-38.440	-14.000
27.6	-37.278	-14.000
27.7	-39.750	-14.000
27.8	-39.460	-14.000
27.9	-41.886	-14.000
28	-48.295	-14.000
28.1	-52.108	-14.000
28.2	-58.591	-14.000
28.3	-57.955	-14.000
28.4	-57.339	-14.000
28.5	-51.685	-14.000
28.6	-52.149	-14.000
28.7	-54.220	-14.000
28.8	-51.848	-14.000
28.9	-45.193	-14.000
29	-44.250	-14.000
29.1	-40.439	-14.000
29.2	-40.289	-14.000
29.3	-38.731	-14.000
29.4	-38.035	-14.000
29.5	-36.704	-14.000
29.6	-36.273	-14.000
29.7	-35.590	-14.000
29.8	-34.705	-14.000
29.9	-34.031	-14.000
30	-32.284	-14.000

1.1.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°)



-16.95dBW/4kHz Input power spectral density @ f=13.75GHz

- **FCC EIRP spectral density regulation**

5-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚

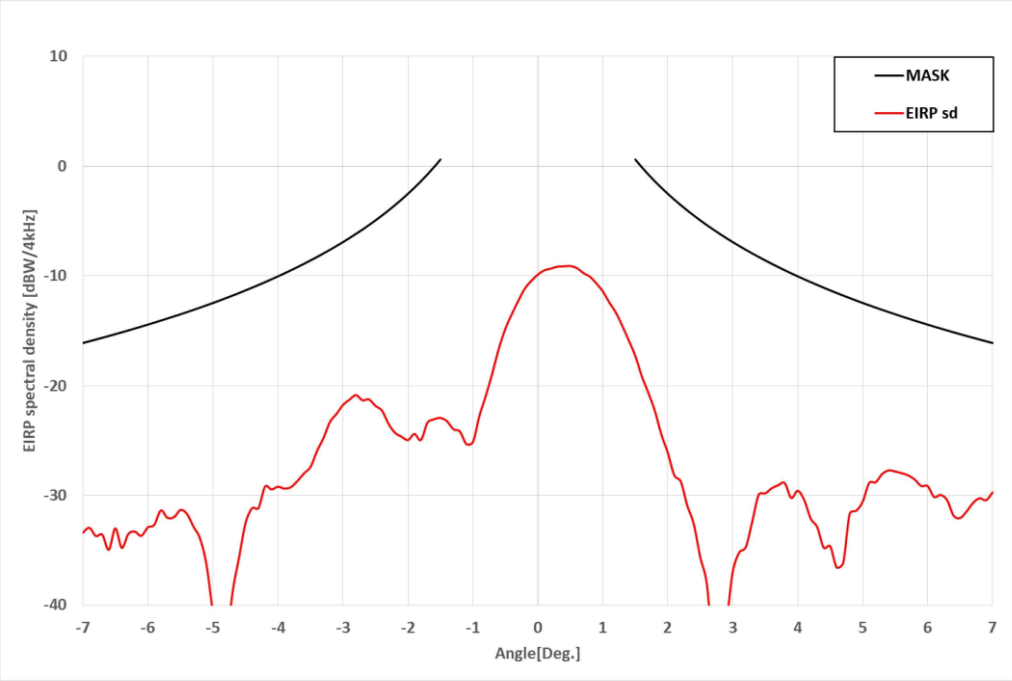
The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2.1.3. Azimuth Pattern for Cross-pol (-7°~7°)

F=13.75GHz, -16.95dBW/4KHz EIRP sd		
-7	-38.163	-16.127
-6.9	-35.835	-15.971
-6.8	-37.949	-15.813
-6.7	-40.511	-15.652
-6.6	-42.529	-15.489
-6.5	-49.800	-15.323
-6.4	-48.750	-15.154
-6.3	-45.959	-14.984
-6.2	-45.436	-14.810
-6.1	-45.301	-14.633
-6	-37.958	-14.454
-5.9	-34.638	-14.271
-5.8	-34.463	-14.086
-5.7	-33.409	-13.897
-5.6	-32.699	-13.705
-5.5	-31.708	-13.509
-5.4	-31.778	-13.310
-5.3	-31.959	-13.107
-5.2	-31.255	-12.900
-5.1	-30.428	-12.689
-5	-31.542	-12.474
-4.9	-30.956	-12.255
-4.8	-31.821	-12.031
-4.7	-31.720	-11.802
-4.6	-31.200	-11.569
-4.5	-29.672	-11.330
-4.4	-28.799	-11.086
-4.3	-27.247	-10.837
-4.2	-26.486	-10.581
-4.1	-25.150	-10.320
-4	-24.484	-10.051
-3.9	-23.265	-9.777
-3.8	-23.266	-9.495
-3.7	-22.727	-9.205
-3.6	-22.263	-8.908
-3.5	-22.316	-8.602
-3.4	-22.500	-8.287
-3.3	-22.263	-7.963
-3.2	-22.538	-7.629
-3.1	-23.177	-7.284
-3	-23.520	-6.928
-2.9	-24.269	-6.560
-2.8	-25.052	-6.179
-2.7	-26.120	-5.784
-2.6	-27.219	-5.374
-2.5	-28.731	-4.949
-2.4	-31.045	-4.505
-2.3	-35.314	-4.043
-2.2	-41.924	-3.561
-2.1	-54.897	-3.055
-2	-36.826	-2.526
-1.9	-32.172	-1.969
-1.8	-28.760	-1.382
-1.7	-25.710	-0.761
-1.6	-23.881	-0.103
-1.5	-21.838	0.598
-1.4	-20.510	
-1.3	-19.481	
-1.2	-18.431	
-1.1	-17.777	
-1	-17.197	
-0.9	-16.612	
-0.8	-16.135	
-0.7	-16.228	
-0.6	-16.063	
-0.5	-15.939	
-0.4	-16.262	
-0.3	-16.570	
-0.2	-16.792	
-0.1	-17.117	
0	-17.381	
0.1	-17.648	
0.2	-18.214	
0.3	-18.287	
0.4	-19.189	
0.5	-19.200	
0.6	-19.701	
0.7	-19.565	
0.8	-20.087	
0.9	-20.352	
1	-20.373	
1.1	-21.362	
1.2	-21.039	
1.3	-21.772	
1.4	-22.053	
1.5	-22.911	0.598
1.6	-22.559	-0.103
1.7	-24.051	-0.761
1.8	-23.665	-1.382
1.9	-23.907	-1.969
2	-24.088	-2.526
2.1	-23.792	-3.055
2.2	-23.293	-3.561
2.3	-22.978	-4.043
2.4	-22.825	-4.505
2.5	-22.707	-4.949
2.6	-22.958	-5.374
2.7	-23.113	-5.784
2.8	-23.587	-6.179
2.9	-24.177	-6.560

3	-24.544	-6.928
3.1	-25.939	-7.284
3.2	-27.369	-7.629
3.3	-29.966	-7.963
3.4	-32.281	-8.287
3.5	-35.554	-8.602
3.6	-41.282	-8.908
3.7	-44.100	-9.205
3.8	-39.066	-9.495
3.9	-36.520	-9.777
4	-34.908	-10.051
4.1	-33.400	-10.320
4.2	-32.467	-10.581
4.3	-32.833	-10.837
4.4	-30.570	-11.086
4.5	-31.125	-11.330
4.6	-31.514	-11.569
4.7	-31.381	-11.802
4.8	-31.686	-12.031
4.9	-31.286	-12.255
5	-30.356	-12.474
5.1	-29.816	-12.689
5.2	-28.966	-12.900
5.3	-27.988	-13.107
5.4	-27.472	-13.310
5.5	-27.545	-13.509
5.6	-27.331	-13.705
5.7	-26.605	-13.897
5.8	-26.714	-14.086
5.9	-26.855	-14.271
6	-27.612	-14.454
6.1	-27.291	-14.633
6.2	-28.087	-14.810
6.3	-28.764	-14.984
6.4	-28.991	-15.154
6.5	-29.902	-15.323
6.6	-30.965	-15.489
6.7	-33.176	-15.652
6.8	-34.325	-15.813
6.9	-36.002	-15.971
7	-37.162	-16.127

1.3.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°)



-16.95dBW/4kHz Input power spectral density @ f=14.50GHz

- **FCC EIRP spectral density regulation**

5-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚

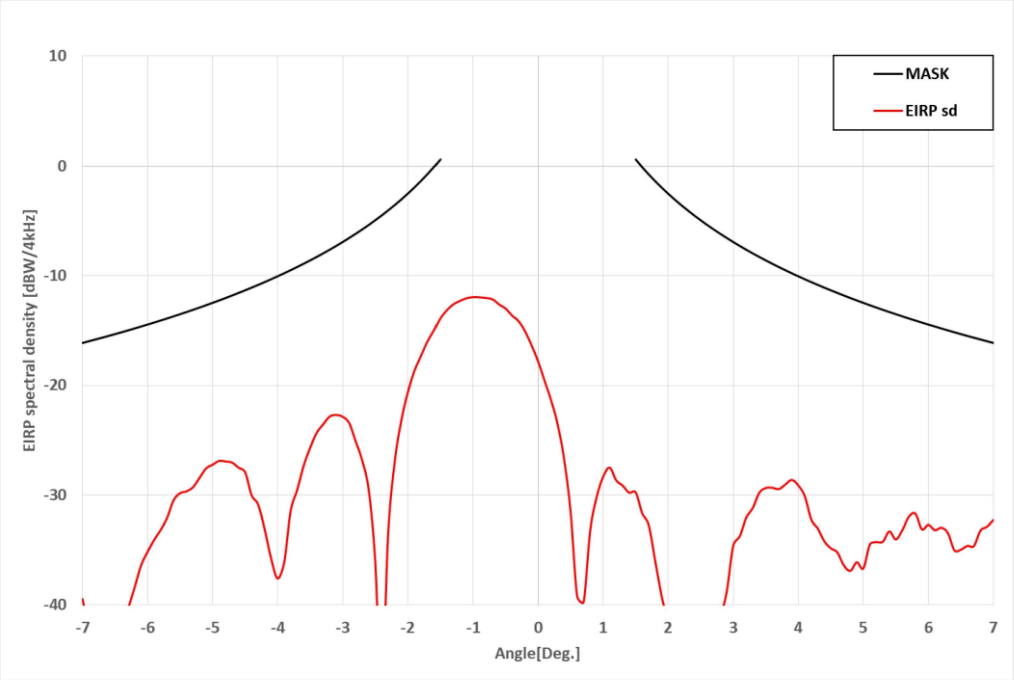
The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2.3.3. Azimuth Pattern for Cross-pol (-7°~7°)

F=14.50GHz, -16.95dBW/4KHz EIRP sd		
-7	-33.402	-16.127
-6.9	-32.951	-15.971
-6.8	-33.696	-15.813
-6.7	-33.584	-15.652
-6.6	-34.953	-15.489
-6.5	-33.005	-15.323
-6.4	-34.778	-15.154
-6.3	-33.514	-14.984
-6.2	-33.299	-14.810
-6.1	-33.677	-14.633
-6	-32.917	-14.454
-5.9	-32.679	-14.271
-5.8	-31.369	-14.086
-5.7	-32.026	-13.897
-5.6	-31.982	-13.705
-5.5	-31.319	-13.509
-5.4	-31.697	-13.310
-5.3	-32.859	-13.107
-5.2	-33.939	-12.900
-5.1	-36.365	-12.689
-5	-40.868	-12.474
-4.9	-44.714	-12.255
-4.8	-43.658	-12.031
-4.7	-38.825	-11.802
-4.6	-35.655	-11.569
-4.5	-32.522	-11.330
-4.4	-31.162	-11.086
-4.3	-31.137	-10.837
-4.2	-29.191	-10.581
-4.1	-29.455	-10.320
-4	-29.204	-10.051
-3.9	-29.379	-9.777
-3.8	-29.233	-9.495
-3.7	-28.670	-9.205
-3.6	-27.985	-8.908
-3.5	-27.399	-8.602
-3.4	-25.950	-8.287
-3.3	-24.760	-7.963
-3.2	-23.292	-7.629
-3.1	-22.568	-7.284
-3	-21.746	-6.928
-2.9	-21.267	-6.560
-2.8	-20.853	-6.179
-2.7	-21.322	-5.784
-2.6	-21.246	-5.374
-2.5	-21.829	-4.949
-2.4	-22.266	-4.505
-2.3	-23.456	-4.043
-2.2	-24.283	-3.561
-2.1	-24.637	-3.055
-2	-24.950	-2.526
-1.9	-24.392	-1.969
-1.8	-24.943	-1.382
-1.7	-23.374	-0.761
-1.6	-23.063	-0.103
-1.5	-22.932	0.598
-1.4	-23.230	
-1.3	-23.963	
-1.2	-24.174	
-1.1	-25.319	
-1	-25.135	
-0.9	-22.754	
-0.8	-20.892	
-0.7	-18.837	
-0.6	-16.631	
-0.5	-14.832	
-0.4	-13.484	
-0.3	-12.266	
-0.2	-11.164	
-0.1	-10.457	
0	-9.890	
0.1	-9.500	
0.2	-9.347	
0.3	-9.169	
0.4	-9.142	
0.5	-9.114	
0.6	-9.292	
0.7	-9.745	
0.8	-10.083	
0.9	-10.691	
1	-11.425	
1.1	-12.437	
1.2	-13.351	
1.3	-14.576	
1.4	-15.902	
1.5	-17.310	0.598
1.6	-19.136	-0.103
1.7	-20.633	-0.761
1.8	-22.274	-1.382
1.9	-24.429	-1.969
2	-26.111	-2.526
2.1	-28.160	-3.055
2.2	-28.735	-3.561
2.3	-30.925	-4.043
2.4	-32.622	-4.505
2.5	-35.634	-4.949
2.6	-38.027	-5.374
2.7	-44.125	-5.784
2.8	-44.180	-6.179
2.9	-41.653	-6.560

3	-36.957	-6.928
3.1	-35.196	-7.284
3.2	-34.728	-7.629
3.3	-32.385	-7.963
3.4	-29.928	-8.287
3.5	-29.813	-8.602
3.6	-29.344	-8.908
3.7	-29.065	-9.205
3.8	-28.872	-9.495
3.9	-30.229	-9.777
4	-29.572	-10.051
4.1	-30.416	-10.320
4.2	-32.112	-10.581
4.3	-32.890	-10.837
4.4	-34.765	-11.086
4.5	-34.632	-11.330
4.6	-36.566	-11.569
4.7	-36.148	-11.802
4.8	-31.664	-12.031
4.9	-31.400	-12.255
5	-30.573	-12.474
5.1	-28.855	-12.689
5.2	-28.797	-12.900
5.3	-28.046	-13.107
5.4	-27.718	-13.310
5.5	-27.814	-13.509
5.6	-27.965	-13.705
5.7	-28.169	-13.897
5.8	-28.537	-14.086
5.9	-29.133	-14.271
6	-29.149	-14.454
6.1	-30.131	-14.633
6.2	-29.956	-14.810
6.3	-30.424	-14.984
6.4	-31.847	-15.154
6.5	-32.058	-15.323
6.6	-31.455	-15.489
6.7	-30.674	-15.652
6.8	-30.258	-15.813
6.9	-30.429	-15.971
7	-29.724	-16.127

1.1.5. Elevation Pattern for Cross-pol, Narrow angle (-7°~7°)



-16.95dBW/4kHz Input power spectral density @ f=13.75GHz

- **FCC EIRP spectral density regulation**

5-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚

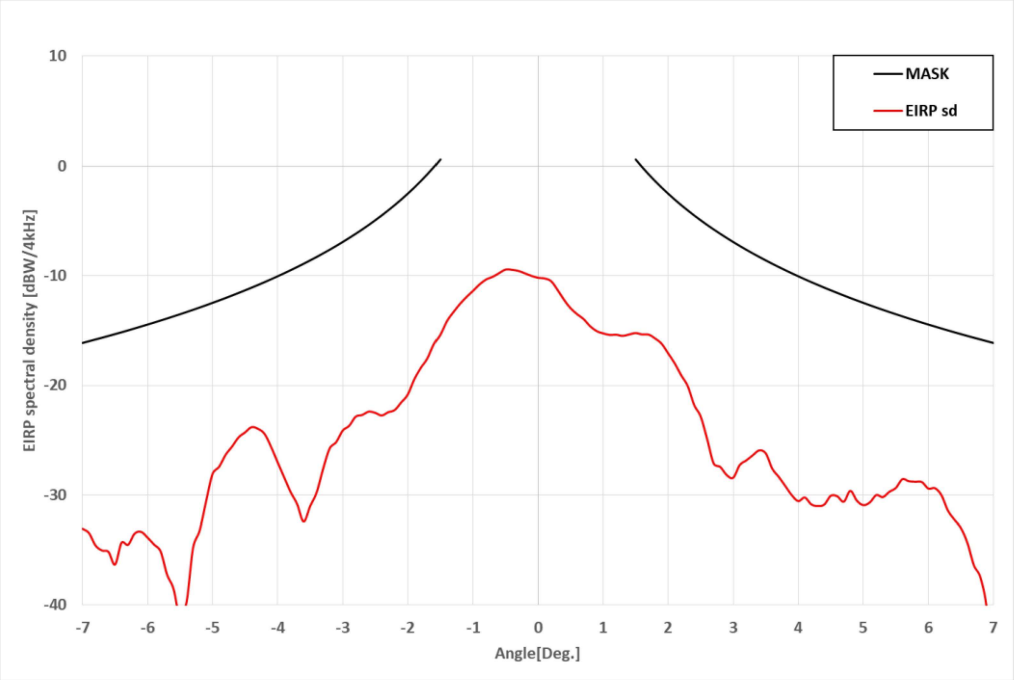
The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2.1.5. Elevation Pattern for Cross-pol (-7°~7°)

F=13.75GHz, -16.95dBW/4KHz EIRP sd		
-7	-39.448	-16.127
-6.9	-41.971	-15.971
-6.8	-41.816	-15.813
-6.7	-42.221	-15.652
-6.6	-44.263	-15.489
-6.5	-45.131	-15.323
-6.4	-43.214	-15.154
-6.3	-40.425	-14.984
-6.2	-38.430	-14.810
-6.1	-36.396	-14.633
-6	-35.146	-14.454
-5.9	-34.074	-14.271
-5.8	-33.162	-14.086
-5.7	-32.083	-13.897
-5.6	-30.477	-13.705
-5.5	-29.825	-13.509
-5.4	-29.655	-13.310
-5.3	-29.276	-13.107
-5.2	-28.421	-12.900
-5.1	-27.569	-12.689
-5	-27.231	-12.474
-4.9	-26.884	-12.255
-4.8	-26.937	-12.031
-4.7	-27.038	-11.802
-4.6	-27.499	-11.569
-4.5	-27.913	-11.330
-4.4	-30.005	-11.086
-4.3	-30.866	-10.837
-4.2	-33.077	-10.581
-4.1	-35.753	-10.320
-4	-37.582	-10.051
-3.9	-36.155	-9.777
-3.8	-31.453	-9.495
-3.7	-29.541	-9.205
-3.6	-27.333	-8.908
-3.5	-25.689	-8.602
-3.4	-24.325	-8.287
-3.3	-23.550	-7.963
-3.2	-22.842	-7.629
-3.1	-22.692	-7.284
-3	-22.855	-6.928
-2.9	-23.428	-6.560
-2.8	-25.108	-6.179
-2.7	-26.833	-5.784
-2.6	-29.493	-5.374
-2.5	-35.975	-4.949
-2.4	-47.943	-4.505
-2.3	-33.484	-4.043
-2.2	-26.978	-3.561
-2.1	-23.256	-3.055
-2	-20.677	-2.526
-1.9	-18.721	-1.969
-1.8	-17.359	-1.382
-1.7	-16.042	-0.761
-1.6	-14.992	-0.103
-1.5	-13.877	0.598
-1.4	-13.134	
-1.3	-12.597	
-1.2	-12.288	
-1.1	-12.056	
-1	-11.954	
-0.9	-11.968	
-0.8	-12.029	
-0.7	-12.154	
-0.6	-12.618	
-0.5	-12.994	
-0.4	-13.631	
-0.3	-14.146	
-0.2	-15.080	
-0.1	-16.362	
0	-17.814	
0.1	-19.589	
0.2	-21.371	
0.3	-23.547	
0.4	-26.736	
0.5	-31.580	
0.6	-39.186	
0.7	-39.718	
0.8	-33.254	
0.9	-30.189	
1	-28.322	
1.1	-27.498	
1.2	-28.645	
1.3	-29.141	
1.4	-29.780	
1.5	-29.742	0.598
1.6	-31.649	-0.103
1.7	-32.717	-0.761
1.8	-35.959	-1.382
1.9	-39.210	-1.969
2	-41.774	-2.526
2.1	-45.781	-3.055
2.2	-58.283	-3.561
2.3	-69.539	-4.043
2.4	-53.712	-4.505
2.5	-54.894	-4.949
2.6	-50.253	-5.374
2.7	-44.300	-5.784
2.8	-41.295	-6.179
2.9	-38.761	-6.560

3	-34.588	-6.928
3.1	-33.735	-7.284
3.2	-32.051	-7.629
3.3	-31.174	-7.963
3.4	-29.791	-8.287
3.5	-29.355	-8.602
3.6	-29.332	-8.908
3.7	-29.453	-9.205
3.8	-29.039	-9.495
3.9	-28.618	-9.777
4	-29.120	-10.051
4.1	-30.106	-10.320
4.2	-32.225	-10.581
4.3	-33.027	-10.837
4.4	-34.182	-11.086
4.5	-34.821	-11.330
4.6	-35.199	-11.569
4.7	-36.378	-11.802
4.8	-36.876	-12.031
4.9	-36.092	-12.255
5	-36.653	-12.474
5.1	-34.481	-12.689
5.2	-34.259	-12.900
5.3	-34.221	-13.107
5.4	-33.287	-13.310
5.5	-34.015	-13.509
5.6	-33.163	-13.705
5.7	-31.966	-13.897
5.8	-31.686	-14.086
5.9	-33.092	-14.271
6	-32.691	-14.454
6.1	-33.174	-14.633
6.2	-32.948	-14.810
6.3	-33.429	-14.984
6.4	-35.011	-15.154
6.5	-34.945	-15.323
6.6	-34.601	-15.489
6.7	-34.616	-15.652
6.8	-33.215	-15.813
6.9	-32.861	-15.971
7	-32.261	-16.127

1.3.5. Elevation Pattern for Cross-pol, Narrow angle (-7°~7°)



-16.95dBW/4kHz Input power spectral density @ f=14.50GHz

- **FCC EIRP spectral density regulation**

5-25log(θ)	dBW/4kHz	for	1.5˚ ≤ θ ≤ 7.0˚

The v100NX's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -16.95 dBW/ 4kHz

2.3.5. Elevation Pattern for Cross-pol (-7°~7°)

F=14.50GHz, -16.95dBW/4KHz EIRP sd		
-7	-33.037	-16.127
-6.9	-33.437	-15.971
-6.8	-34.564	-15.813
-6.7	-35.020	-15.652
-6.6	-35.154	-15.489
-6.5	-36.305	-15.323
-6.4	-34.313	-15.154
-6.3	-34.510	-14.984
-6.2	-33.495	-14.810
-6.1	-33.318	-14.633
-6	-33.845	-14.454
-5.9	-34.480	-14.271
-5.8	-35.095	-14.086
-5.7	-37.208	-13.897
-5.6	-38.531	-13.705
-5.5	-41.162	-13.509
-5.4	-39.743	-13.310
-5.3	-34.783	-13.107
-5.2	-33.242	-12.900
-5.1	-30.568	-12.689
-5	-28.069	-12.474
-4.9	-27.421	-12.255
-4.8	-26.326	-12.031
-4.7	-25.570	-11.802
-4.6	-24.734	-11.569
-4.5	-24.281	-11.330
-4.4	-23.800	-11.086
-4.3	-23.964	-10.837
-4.2	-24.427	-10.581
-4.1	-25.609	-10.320
-4	-27.008	-10.051
-3.9	-28.368	-9.777
-3.8	-29.718	-9.495
-3.7	-30.823	-9.205
-3.6	-32.411	-8.908
-3.5	-31.010	-8.602
-3.4	-29.749	-8.287
-3.3	-27.595	-7.963
-3.2	-25.754	-7.629
-3.1	-25.169	-7.284
-3	-24.126	-6.928
-2.9	-23.682	-6.560
-2.8	-22.853	-6.179
-2.7	-22.695	-5.784
-2.6	-22.393	-5.374
-2.5	-22.501	-4.949
-2.4	-22.742	-4.505
-2.3	-22.444	-4.043
-2.2	-22.243	-3.561
-2.1	-21.552	-3.055
-2	-20.843	-2.526
-1.9	-19.461	-1.969
-1.8	-18.409	-1.382
-1.7	-17.557	-0.761
-1.6	-16.240	-0.103
-1.5	-15.365	0.598
-1.4	-14.128	
-1.3	-13.303	
-1.2	-12.561	
-1.1	-11.934	
-1	-11.371	
-0.9	-10.789	
-0.8	-10.344	
-0.7	-10.102	
-0.6	-9.765	
-0.5	-9.439	
-0.4	-9.462	
-0.3	-9.566	
-0.2	-9.790	
-0.1	-10.019	
0	-10.187	
0.1	-10.251	
0.2	-10.501	
0.3	-11.301	
0.4	-12.208	
0.5	-12.971	
0.6	-13.507	
0.7	-13.958	
0.8	-14.606	
0.9	-15.047	
1	-15.254	
1.1	-15.396	
1.2	-15.376	
1.3	-15.482	
1.4	-15.354	
1.5	-15.227	0.598
1.6	-15.354	-0.103
1.7	-15.369	-0.761
1.8	-15.725	-1.382
1.9	-16.209	-1.969
2	-17.084	-2.526
2.1	-17.990	-3.055
2.2	-19.076	-3.561
2.3	-20.064	-4.043
2.4	-21.789	-4.505
2.5	-22.847	-4.949
2.6	-24.928	-5.374
2.7	-27.126	-5.784
2.8	-27.427	-6.179
2.9	-28.177	-6.560

3	-28.411	-6.928
3.1	-27.258	-7.284
3.2	-26.838	-7.629
3.3	-26.369	-7.963
3.4	-25.920	-8.287
3.5	-26.195	-8.602
3.6	-27.590	-8.908
3.7	-28.344	-9.205
3.8	-29.172	-9.495
3.9	-30.006	-9.777
4	-30.548	-10.051
4.1	-30.216	-10.320
4.2	-30.844	-10.581
4.3	-30.998	-10.837
4.4	-30.857	-11.086
4.5	-30.058	-11.330
4.6	-30.113	-11.569
4.7	-30.595	-11.802
4.8	-29.613	-12.031
4.9	-30.503	-12.255
5	-30.914	-12.474
5.1	-30.662	-12.689
5.2	-29.993	-12.900
5.3	-30.179	-13.107
5.4	-29.698	-13.310
5.5	-29.344	-13.509
5.6	-28.553	-13.705
5.7	-28.737	-13.897
5.8	-28.777	-14.086
5.9	-28.810	-14.271
6	-29.404	-14.454
6.1	-29.368	-14.633
6.2	-29.997	-14.810
6.3	-31.401	-14.984
6.4	-32.234	-15.154
6.5	-32.981	-15.323
6.6	-34.334	-15.489
6.7	-36.378	-15.652
6.8	-37.479	-15.813
6.9	-40.517	-15.971
7	-49.697	-16.127