

Exhibit 5B.3- §25.115(g)(1) PLOTS & TABLES FOR C-BAND ANTENNAS

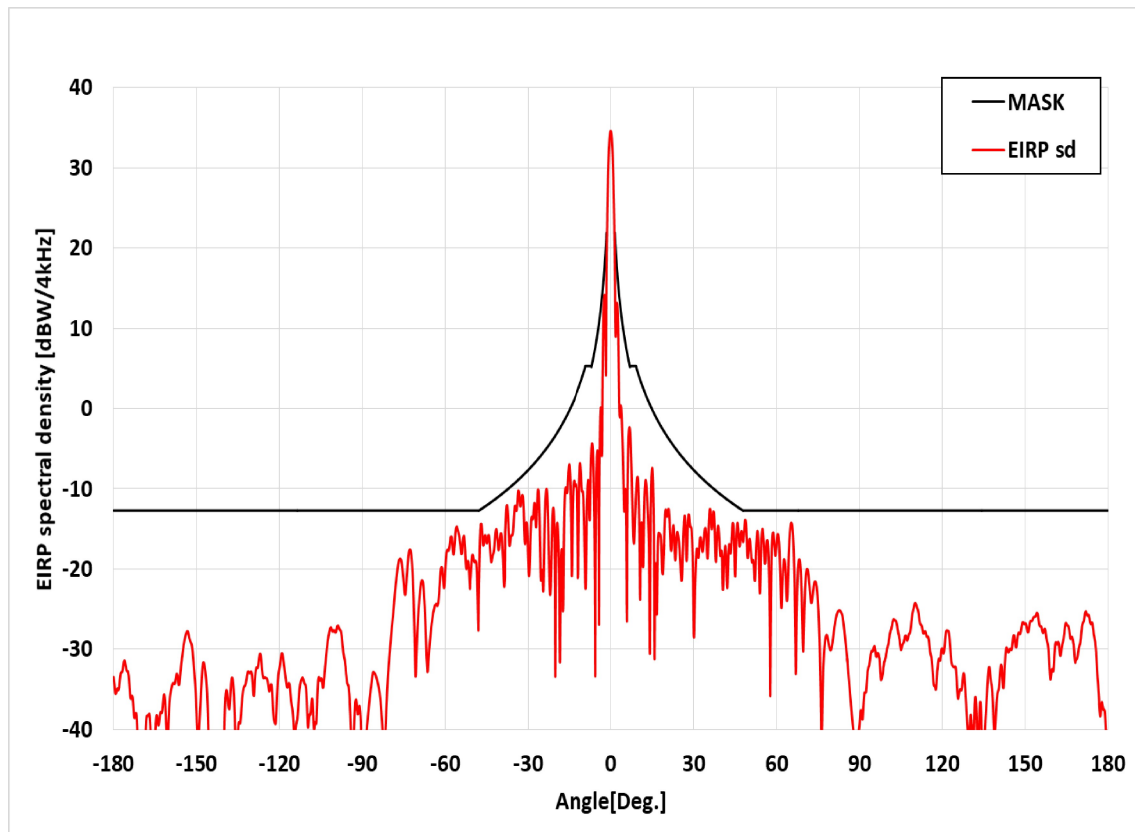
Exhibit Contains:

§25.115(g)(1) Plots and Tables for Intellian V240MTGen2C antenna

Intellian V240MTGen2 C-band

1. EIRP Spectral Density of v240MT Gen-II C-band

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



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

26.3-25log(θ)	dBW/4kHz	for	$1.5^{\circ} \leq \theta \leq 7.0^{\circ}$
5.3	dBW/4kHz	for	$7.0^{\circ} < \theta \leq 9.2^{\circ}$
29.3-25log(θ)	dBW/4kHz	for	$9.2^{\circ} < \theta \leq 48^{\circ}$
-12.7	dBW/4kHz	for	$48^{\circ} < \theta \leq 180^{\circ}$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

2. EIRP Spectral Density Data

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

F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-33.464	-12.700
-179	-35.292	-12.700
-178	-34.708	-12.700
-177	-32.793	-12.700
-176	-31.399	-12.700
-175	-32.744	-12.700
-174	-35.768	-12.700
-173	-36.371	-12.700
-172	-37.959	-12.700
-171	-43.545	-12.700
-170	-53.003	-12.700
-169	-48.312	-12.700
-168	-38.364	-12.700
-167	-38.139	-12.700
-166	-45.502	-12.700
-165	-41.009	-12.700
-164	-39.072	-12.700
-163	-37.828	-12.700
-162	-36.137	-12.700
-161	-39.099	-12.700
-160	-38.032	-12.700
-159	-34.749	-12.700
-158	-34.317	-12.700
-157	-33.106	-12.700
-156	-33.578	-12.700
-155	-30.348	-12.700
-154	-28.328	-12.700
-153	-27.933	-12.700
-152	-29.175	-12.700
-151	-32.089	-12.700
-150	-37.933	-12.700
-149	-39.432	-12.700
-148	-32.906	-12.700
-147	-32.332	-12.700
-146	-36.934	-12.700
-145	-45.563	-12.700
-144	-52.175	-12.700
-143	-41.754	-12.700
-142	-45.070	-12.700
-141	-45.580	-12.700
-140	-40.769	-12.700

-139	-35.326	-12.700
-138	-37.085	-12.700
-137	-33.635	-12.700
-136	-40.691	-12.700
-135	-40.223	-12.700
-134	-38.452	-12.700
-133	-34.843	-12.700
-132	-33.829	-12.700
-131	-32.872	-12.700
-130	-33.119	-12.700
-129	-34.531	-12.700
-128	-32.322	-12.700
-127	-30.560	-12.700
-126	-33.399	-12.700
-125	-33.561	-12.700
-124	-34.665	-12.700
-123	-34.360	-12.700
-122	-38.816	-12.700
-121	-36.751	-12.700
-120	-32.296	-12.700
-119	-30.546	-12.700
-118	-32.988	-12.700
-117	-34.669	-12.700
-116	-35.665	-12.700
-115	-38.926	-12.700
-114	-39.427	-12.700
-113	-35.872	-12.700
-112	-33.689	-12.700
-111	-34.230	-12.700
-110	-37.663	-12.700
-109	-38.113	-12.700
-108	-36.825	-12.700
-107	-39.045	-12.700
-106	-33.778	-12.700
-105	-33.665	-12.700
-104	-34.257	-12.700
-103	-30.364	-12.700
-102	-27.854	-12.700
-101	-27.656	-12.700
-100	-27.765	-12.700
-99	-27.076	-12.700

-98	-27.636	-12.700
-97	-30.195	-12.700
-96	-32.664	-12.700
-95	-34.675	-12.700
-94	-40.625	-12.700
-93	-39.353	-12.700
-92	-37.188	-12.700
-91	-37.176	-12.700
-90	-46.197	-12.700
-89	-42.327	-12.700
-88	-38.300	-12.700
-87	-34.874	-12.700
-86	-32.852	-12.700
-85	-33.498	-12.700
-84	-35.010	-12.700
-83	-38.648	-12.700
-82	-43.045	-12.700
-81	-34.721	-12.700
-80	-29.717	-12.700
-79	-25.871	-12.700
-78	-21.998	-12.700
-77	-19.188	-12.700
-76	-18.911	-12.700
-75	-22.086	-12.700
-74	-21.105	-12.700
-73	-17.610	-12.700
-72	-19.781	-12.700
-71	-30.978	-12.700
-70	-26.644	-12.700
-69	-22.233	-12.700
-68	-22.008	-12.700
-67	-29.087	-12.700
-66	-30.563	-12.700
-65	-26.845	-12.700
-64	-24.801	-12.700
-63	-24.550	-12.700
-62	-21.439	-12.700
-61	-20.592	-12.700
-60	-19.857	-12.700
-59	-17.709	-12.700
-58	-15.943	-12.700

-57	-18.127	-12.700
-56	-14.747	-12.700
-55	-15.862	-12.700
-54	-17.848	-12.700
-53	-16.860	-12.700
-52	-19.090	-12.700
-51	-21.430	-12.700
-50	-18.365	-12.700
-49	-19.051	-12.700
-48	-24.294	-12.731
-47	-14.415	-12.502
-46	-16.404	-12.269
-45	-16.760	-12.030
-44	-16.781	-11.786
-43	-18.431	-11.537
-42	-15.842	-11.281
-41	-17.094	-11.020
-40	-15.548	-10.751
-39	-20.636	-10.477
-38	-12.559	-10.195
-37	-16.451	-9.905
-36	-15.755	-9.608
-35	-12.411	-9.302
-34	-11.534	-8.987
-33	-12.054	-8.663
-32	-10.984	-8.329
-31	-15.786	-7.984
-30	-19.520	-7.628
-29	-14.132	-7.260
-28	-12.203	-6.879
-27	-13.347	-6.484
-26	-13.241	-6.074
-25	-20.247	-5.649
-24	-13.043	-5.205
-23	-12.553	-4.743
-22	-22.791	-4.261
-21	-12.369	-3.755
-20	-18.538	-3.226
-19	-19.231	-2.669
-18	-17.524	-2.082
-17	-13.008	-1.461

-16	-10.457	-0.803
-15	-7.486	-0.102
-14	-13.979	0.647
-13	-9.639	1.451
-12	-16.981	2.320
-11	-6.917	3.265
-10	-10.562	4.300
-9	-21.522	5.300
-8	-9.409	5.300
-7	-5.333	5.173
-6	-11.628	6.846
-5	-6.467	8.826
-4	-6.877	11.249
-3	-0.189	14.372
-2	12.575	18.774
-1	27.981	
-1.00044E-11	34.576	
1	28.242	
2	11.519	18.774
3	3.322	14.372
4	-1.125	11.249
5	-12.498	8.826
6	-15.706	6.846
7	-2.796	5.173
8	-13.889	5.300
9	-12.161	5.300
10	-9.397	4.300
11	-15.650	3.265
12	-15.015	2.320
13	-9.790	1.451
14	-21.128	0.647
15	-7.400	-0.102
16	-24.942	-0.803
17	-18.505	-1.461
18	-15.681	-2.082
19	-20.044	-2.669
20	-12.640	-3.226
21	-12.523	-3.755
22	-17.535	-4.261
23	-15.715	-4.743
24	-15.555	-5.205

25	-17.680	-5.649
26	-19.467	-6.074
27	-13.908	-6.484
28	-14.036	-6.879
29	-14.763	-7.260
30	-26.115	-7.628
31	-18.082	-7.984
32	-17.836	-8.329
33	-17.333	-8.663
34	-15.235	-8.987
35	-18.548	-9.302
36	-12.519	-9.608
37	-13.447	-9.905
38	-18.680	-10.195
39	-14.692	-10.477
40	-17.831	-10.751
41	-19.843	-11.020
42	-20.799	-11.281
43	-16.926	-11.537
44	-14.835	-11.786
45	-20.604	-12.030
46	-14.323	-12.269
47	-16.136	-12.502
48	-16.600	-12.731
49	-14.404	-12.700
50	-17.139	-12.700
51	-18.808	-12.700
52	-20.709	-12.700
53	-15.509	-12.700
54	-22.999	-12.700
55	-14.993	-12.700
56	-19.123	-12.700
57	-17.276	-12.700
58	-25.165	-12.700
59	-15.817	-12.700
60	-17.232	-12.700
61	-16.857	-12.700
62	-23.829	-12.700
63	-19.016	-12.700
64	-23.306	-12.700
65	-14.905	-12.700

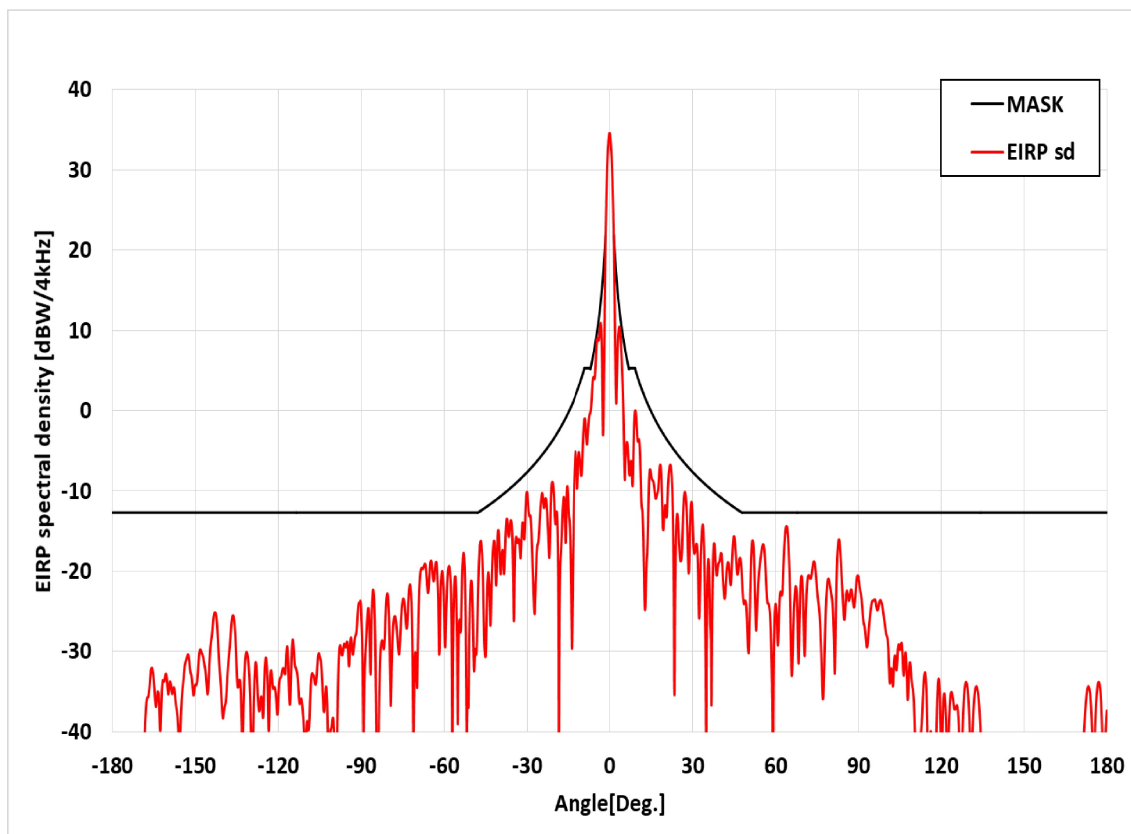
66	-15.846	-12.700
67	-33.021	-12.700
68	-19.195	-12.700
69	-21.897	-12.700
70	-26.716	-12.700
71	-20.025	-12.700
72	-22.210	-12.700
73	-23.644	-12.700
74	-21.532	-12.700
75	-23.944	-12.700
76	-34.895	-12.700
77	-32.291	-12.700
78	-28.308	-12.700
79	-29.438	-12.700
80	-29.775	-12.700
81	-27.279	-12.700
82	-25.521	-12.700
83	-25.177	-12.700
84	-26.017	-12.700
85	-28.988	-12.700
86	-32.765	-12.700
87	-36.933	-12.700
88	-40.541	-12.700
89	-41.768	-12.700
90	-39.672	-12.700
91	-38.609	-12.700
92	-35.404	-12.700
93	-32.809	-12.700
94	-31.034	-12.700
95	-30.144	-12.700
96	-30.641	-12.700
97	-30.636	-12.700
98	-33.642	-12.700
99	-31.619	-12.700
100	-30.000	-12.700
101	-28.196	-12.700
102	-26.705	-12.700
103	-26.369	-12.700
104	-27.707	-12.700
105	-29.937	-12.700
106	-29.204	-12.700

107	-28.560	-12.700
108	-28.111	-12.700
109	-26.171	-12.700
110	-24.423	-12.700
111	-24.890	-12.700
112	-26.752	-12.700
113	-27.749	-12.700
114	-27.853	-12.700
115	-28.509	-12.700
116	-30.800	-12.700
117	-34.438	-12.700
118	-33.909	-12.700
119	-31.304	-12.700
120	-29.884	-12.700
121	-29.108	-12.700
122	-27.666	-12.700
123	-30.179	-12.700
124	-32.122	-12.700
125	-32.513	-12.700
126	-35.784	-12.700
127	-35.085	-12.700
128	-33.289	-12.700
129	-38.826	-12.700
130	-39.755	-12.700
131	-41.488	-12.700
132	-35.929	-12.700
133	-43.351	-12.700
134	-37.036	-12.700
135	-49.555	-12.700
136	-36.873	-12.700
137	-32.212	-12.700
138	-34.688	-12.700
139	-40.466	-12.700
140	-35.577	-12.700
141	-32.925	-12.700
142	-34.564	-12.700
143	-30.319	-12.700
144	-30.369	-12.700
145	-30.064	-12.700
146	-28.245	-12.700
147	-29.424	-12.700

148	-28.059	-12.700
149	-26.759	-12.700
150	-26.790	-12.700
151	-27.854	-12.700
152	-26.479	-12.700
153	-26.076	-12.700
154	-25.689	-12.700
155	-26.524	-12.700
156	-27.300	-12.700
157	-27.508	-12.700
158	-29.036	-12.700
159	-33.072	-12.700
160	-32.579	-12.700
161	-29.240	-12.700
162	-29.080	-12.700
163	-30.531	-12.700
164	-28.594	-12.700
165	-26.811	-12.700
166	-27.576	-12.700
167	-28.453	-12.700
168	-31.176	-12.700
169	-30.953	-12.700
170	-29.154	-12.700
171	-26.667	-12.700
172	-25.262	-12.700
173	-25.713	-12.700
174	-26.683	-12.700
175	-28.311	-12.700
176	-31.955	-12.700
177	-37.612	-12.700
178	-36.855	-12.700
179	-38.23428104	-12.700
180	-41.424	-12.700

3. EIRP Spectral Density of v240MT Gen-II C-band (Maximum skew angle 45degree)

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



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

$26.3 - 25 \log(\theta)$	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
$29.3 - 25 \log(\theta)$	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

4. EIRP Spectral Density Data (Maximum skew angle 45degree)

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

F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-48.629	-12.700
-179	-47.116	-12.700
-178	-43.079	-12.700
-177	-46.963	-12.700
-176	-48.190	-12.700
-175	-45.341	-12.700
-174	-49.310	-12.700
-173	-48.504	-12.700
-172	-50.764	-12.700
-171	-68.922	-12.700
-170	-45.228	-12.700
-169	-43.054	-12.700
-168	-37.531	-12.700
-167	-35.515	-12.700
-166	-32.154	-12.700
-165	-34.181	-12.700
-164	-36.030	-12.700
-163	-38.219	-12.700
-162	-34.031	-12.700
-161	-33.191	-12.700
-160	-35.016	-12.700
-159	-33.919	-12.700
-158	-34.598	-12.700
-157	-36.879	-12.700
-156	-41.273	-12.700
-155	-35.956	-12.700
-154	-32.125	-12.700
-153	-30.618	-12.700
-152	-32.185	-12.700
-151	-34.784	-12.700
-150	-34.121	-12.700
-149	-31.810	-12.700
-148	-29.976	-12.700
-147	-31.218	-12.700
-146	-34.105	-12.700
-145	-31.760	-12.700
-144	-27.670	-12.700
-143	-25.134	-12.700
-142	-27.887	-12.700
-141	-33.625	-12.700
-140	-38.214	-12.700

-139	-36.038	-12.700
-138	-30.817	-12.700
-137	-26.496	-12.700
-136	-26.203	-12.700
-135	-33.231	-12.700
-134	-33.585	-12.700
-133	-42.427	-12.700
-132	-30.919	-12.700
-131	-30.946	-12.700
-130	-39.172	-12.700
-129	-38.086	-12.700
-128	-31.896	-12.700
-127	-37.434	-12.700
-126	-36.199	-12.700
-125	-32.591	-12.700
-124	-33.599	-12.700
-123	-33.505	-12.700
-122	-34.576	-12.700
-121	-35.210	-12.700
-120	-35.366	-12.700
-119	-33.017	-12.700
-118	-32.311	-12.700
-117	-29.528	-12.700
-116	-36.393	-12.700
-115	-28.827	-12.700
-114	-31.803	-12.700
-113	-33.599	-12.700
-112	-35.996	-12.700
-111	-38.484	-12.700
-110	-41.137	-12.700
-109	-39.586	-12.700
-108	-32.848	-12.700
-107	-33.537	-12.700
-106	-31.910	-12.700
-105	-30.722	-12.700
-104	-35.298	-12.700
-103	-34.884	-12.700
-102	-43.080	-12.700
-101	-39.602	-12.700
-100	-39.497	-12.700
-99	-45.284	-12.700

-98	-29.693	-12.700
-97	-30.463	-12.700
-96	-29.145	-12.700
-95	-29.105	-12.700
-94	-28.684	-12.700
-93	-30.262	-12.700
-92	-27.885	-12.700
-91	-24.049	-12.700
-90	-26.108	-12.700
-89	-35.661	-12.700
-88	-26.548	-12.700
-87	-28.869	-12.700
-86	-22.822	-12.700
-85	-29.462	-12.700
-84	-52.442	-12.700
-83	-29.523	-12.700
-82	-29.619	-12.700
-81	-23.692	-12.700
-80	-26.494	-12.700
-79	-30.916	-12.700
-78	-25.608	-12.700
-77	-28.392	-12.700
-76	-28.408	-12.700
-75	-23.507	-12.700
-74	-25.973	-12.700
-73	-23.448	-12.700
-72	-23.344	-12.700
-71	-36.429	-12.700
-70	-34.261	-12.700
-69	-21.651	-12.700
-68	-19.673	-12.700
-67	-19.099	-12.700
-66	-22.698	-12.700
-65	-18.765	-12.700
-64	-21.153	-12.700
-63	-18.840	-12.700
-62	-28.879	-12.700
-61	-20.275	-12.700
-60	-26.302	-12.700
-59	-21.573	-12.700
-58	-19.987	-12.700

-57	-36.933	-12.700
-56	-20.947	-12.700
-55	-31.378	-12.700
-54	-26.515	-12.700
-53	-17.826	-12.700
-52	-38.622	-12.700
-51	-28.708	-12.700
-50	-22.355	-12.700
-49	-30.507	-12.700
-48	-24.967	-12.731
-47	-16.366	-12.502
-46	-22.004	-12.269
-45	-29.801	-12.030
-44	-20.438	-11.786
-43	-22.477	-11.537
-42	-16.232	-11.281
-41	-18.186	-11.020
-40	-18.260	-10.751
-39	-17.390	-10.477
-38	-16.622	-10.195
-37	-14.991	-9.905
-36	-13.671	-9.608
-35	-24.650	-9.302
-34	-15.768	-8.987
-33	-16.152	-8.663
-32	-14.903	-8.329
-31	-15.586	-7.984
-30	-10.406	-7.628
-29	-13.037	-7.260
-28	-20.597	-6.879
-27	-21.433	-6.484
-26	-16.173	-6.074
-25	-10.968	-5.649
-24	-12.117	-5.205
-23	-12.021	-4.743
-22	-17.942	-4.261
-21	-8.880	-3.755
-20	-13.795	-3.226
-19	-16.358	-2.669
-18	-18.525	-2.082
-17	-11.183	-1.461

-16	-14.009	-0.803
-15	-12.851	-0.102
-14	-26.886	0.647
-13	-9.370	1.451
-12	-8.778	2.320
-11	-5.388	3.265
-10	-7.081	4.300
-9	-0.991	5.300
-8	-3.434	5.300
-7	-0.230	5.173
-6	4.061	6.846
-5	6.463	8.826
-4	8.765	11.249
-3	9.758	14.372
-2	6.460	18.774
-1	28.945	
-1.00044E-11	34.580	
1	28.729	
2	8.479	18.774
3	8.622	14.372
4	8.901	11.249
5	-0.740	8.826
6	-4.427	6.846
7	-7.465	5.173
8	-7.318	5.300
9	-0.813	5.300
10	-3.297	4.300
11	-5.246	3.265
12	-13.534	2.320
13	-23.699	1.451
14	-12.314	0.647
15	-8.028	-0.102
16	-9.110	-0.803
17	-10.660	-1.461
18	-7.665	-2.082
19	-11.442	-2.669
20	-11.823	-3.226
21	-10.474	-3.755
22	-6.764	-4.261
23	-14.861	-4.743
24	-15.964	-5.205

25	-15.393	-5.649
26	-18.377	-6.074
27	-10.427	-6.484
28	-13.550	-6.879
29	-15.829	-7.260
30	-13.302	-7.628
31	-17.376	-7.984
32	-19.647	-8.329
33	-18.274	-8.663
34	-15.333	-8.987
35	-45.548	-9.302
36	-20.181	-9.608
37	-31.116	-9.905
38	-16.869	-10.195
39	-20.081	-10.477
40	-18.349	-10.751
41	-20.791	-11.020
42	-22.038	-11.281
43	-19.023	-11.537
44	-21.149	-11.786
45	-15.657	-12.030
46	-19.712	-12.269
47	-18.499	-12.502
48	-21.607	-12.731
49	-23.720	-12.700
50	-28.834	-12.700
51	-21.201	-12.700
52	-16.689	-12.700
53	-27.387	-12.700
54	-20.535	-12.700
55	-17.434	-12.700
56	-17.369	-12.700
57	-23.591	-12.700
58	-25.287	-12.700
59	-41.800	-12.700
60	-24.127	-12.700
61	-28.732	-12.700
62	-22.639	-12.700
63	-18.849	-12.700
64	-14.389	-12.700
65	-19.078	-12.700

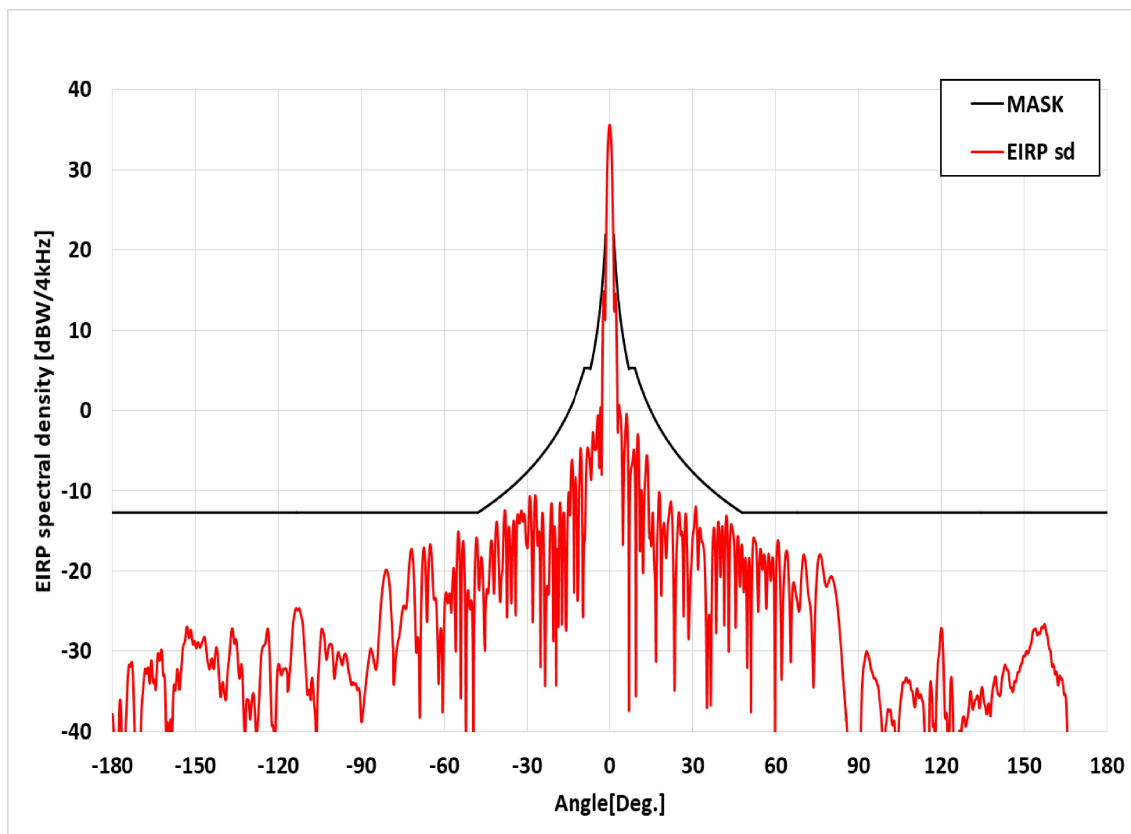
66	-32.978	-12.700
67	-22.902	-12.700
68	-25.709	-12.700
69	-22.483	-12.700
70	-23.155	-12.700
71	-25.443	-12.700
72	-20.504	-12.700
73	-20.662	-12.700
74	-18.786	-12.700
75	-21.937	-12.700
76	-25.484	-12.700
77	-34.695	-12.700
78	-27.513	-12.700
79	-21.043	-12.700
80	-22.318	-12.700
81	-26.450	-12.700
82	-23.359	-12.700
83	-16.043	-12.700
84	-20.835	-12.700
85	-26.035	-12.700
86	-22.520	-12.700
87	-22.996	-12.700
88	-23.550	-12.700
89	-22.897	-12.700
90	-20.636	-12.700
91	-22.981	-12.700
92	-26.542	-12.700
93	-29.357	-12.700
94	-26.531	-12.700
95	-23.800	-12.700
96	-23.552	-12.700
97	-24.822	-12.700
98	-23.608	-12.700
99	-25.048	-12.700
100	-27.654	-12.700
101	-30.589	-12.700
102	-32.119	-12.700
103	-31.388	-12.700
104	-31.726	-12.700
105	-29.673	-12.700
106	-30.161	-12.700

107	-30.297	-12.700
108	-35.816	-12.700
109	-32.072	-12.700
110	-35.496	-12.700
111	-43.414	-12.700
112	-42.601	-12.700
113	-38.814	-12.700
114	-32.744	-12.700
115	-39.487	-12.700
116	-40.504	-12.700
117	-44.099	-12.700
118	-49.995	-12.700
119	-33.491	-12.700
120	-43.720	-12.700
121	-35.373	-12.700
122	-42.174	-12.700
123	-37.450	-12.700
124	-35.281	-12.700
125	-37.224	-12.700
126	-37.170	-12.700
127	-51.124	-12.700
128	-37.457	-12.700
129	-33.812	-12.700
130	-36.807	-12.700
131	-43.724	-12.700
132	-35.805	-12.700
133	-34.501	-12.700
134	-37.993	-12.700
135	-47.564	-12.700
136	-57.389	-12.700
137	-49.487	-12.700
138	-48.756	-12.700
139	-51.478	-12.700
140	-55.349	-12.700
141	-47.457	-12.700
142	-43.232	-12.700
143	-41.653	-12.700
144	-41.937	-12.700
145	-43.509	-12.700
146	-46.435	-12.700
147	-50.359	-12.700

148	-55.221	-12.700
149	-58.853	-12.700
150	-59.036	-12.700
151	-59.611	-12.700
152	-60.293	-12.700
153	-60.585	-12.700
154	-60.324	-12.700
155	-59.656	-12.700
156	-58.995	-12.700
157	-58.949	-12.700
158	-55.508	-12.700
159	-50.630	-12.700
160	-46.640	-12.700
161	-43.653	-12.700
162	-41.994	-12.700
163	-41.616	-12.700
164	-43.083	-12.700
165	-47.095	-12.700
166	-54.988	-12.700
167	-51.787	-12.700
168	-48.808	-12.700
169	-49.352	-12.700
170	-56.207	-12.700
171	-48.518	-12.700
172	-38.352	-12.700
173	-34.586	-12.700
174	-35.561	-12.700
175	-43.275	-12.700
176	-37.207	-12.700
177	-33.816	-12.700
178	-36.976	-12.700
179	-54.419	-12.700
180	-37.356	-12.700

9. EIRP Spectral Density of v240MT Gen-II C-band

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



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

26.3-25log(θ)	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
29.3-25log(θ)	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

10. EIRP Spectral Density Data

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

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-37.856	-12.700
-179	-48.819	-12.700
-178	-48.251	-12.700
-177	-37.118	-12.700
-176	-43.048	-12.700
-175	-37.739	-12.700
-174	-31.661	-12.700
-173	-31.358	-12.700
-172	-40.272	-12.700
-171	-46.256	-12.700
-170	-44.205	-12.700
-169	-34.881	-12.700
-168	-32.382	-12.700
-167	-32.383	-12.700
-166	-31.184	-12.700
-165	-33.582	-12.700
-164	-32.116	-12.700
-163	-31.162	-12.700
-162	-31.108	-12.700
-161	-34.597	-12.700
-160	-39.326	-12.700
-159	-38.490	-12.700
-158	-35.157	-12.700
-157	-33.759	-12.700
-156	-34.384	-12.700
-155	-31.344	-12.700
-154	-28.971	-12.700
-153	-26.964	-12.700
-152	-27.744	-12.700
-151	-29.096	-12.700
-150	-29.324	-12.700
-149	-28.900	-12.700
-148	-29.234	-12.700
-147	-28.267	-12.700
-146	-30.203	-12.700
-145	-32.211	-12.700
-144	-31.009	-12.700
-143	-30.851	-12.700
-142	-30.572	-12.700
-141	-35.611	-12.700
-140	-34.036	-12.700

-139	-35.917	-12.700
-138	-31.209	-12.700
-137	-27.471	-12.700
-136	-28.997	-12.700
-135	-29.430	-12.700
-134	-33.274	-12.700
-133	-33.442	-12.700
-132	-39.834	-12.700
-131	-36.066	-12.700
-130	-37.715	-12.700
-129	-35.345	-12.700
-128	-40.704	-12.700
-127	-35.831	-12.700
-126	-29.791	-12.700
-125	-29.166	-12.700
-124	-27.203	-12.700
-123	-32.635	-12.700
-122	-39.194	-12.700
-121	-39.053	-12.700
-120	-31.574	-12.700
-119	-32.955	-12.700
-118	-32.160	-12.700
-117	-32.499	-12.700
-116	-32.897	-12.700
-115	-27.721	-12.700
-114	-24.980	-12.700
-113	-24.870	-12.700
-112	-25.286	-12.700
-111	-27.612	-12.700
-110	-32.940	-12.700
-109	-34.792	-12.700
-108	-33.480	-12.700
-107	-37.027	-12.700
-106	-37.211	-12.700
-105	-29.518	-12.700
-104	-27.414	-12.700
-103	-30.154	-12.700
-102	-29.695	-12.700
-101	-29.152	-12.700
-100	-32.718	-12.700
-99	-31.248	-12.700

-98	-30.513	-12.700
-97	-31.709	-12.700
-96	-30.317	-12.700
-95	-31.511	-12.700
-94	-33.549	-12.700
-93	-33.887	-12.700
-92	-34.059	-12.700
-91	-34.579	-12.700
-90	-38.811	-12.700
-89	-36.007	-12.700
-88	-32.786	-12.700
-87	-30.191	-12.700
-86	-30.315	-12.700
-85	-32.151	-12.700
-84	-29.696	-12.700
-83	-24.408	-12.700
-82	-21.055	-12.700
-81	-19.831	-12.700
-80	-21.320	-12.700
-79	-26.715	-12.700
-78	-32.924	-12.700
-77	-29.146	-12.700
-76	-27.245	-12.700
-75	-24.515	-12.700
-74	-24.696	-12.700
-73	-20.663	-12.700
-72	-17.283	-12.700
-71	-20.963	-12.700
-70	-29.693	-12.700
-69	-36.221	-12.700
-68	-19.299	-12.700
-67	-18.474	-12.700
-66	-22.897	-12.700
-65	-16.768	-12.700
-64	-22.684	-12.700
-63	-23.995	-12.700
-62	-33.117	-12.700
-61	-29.027	-12.700
-60	-25.398	-12.700
-59	-23.623	-12.700
-58	-22.986	-12.700

-57	-21.057	-12.700
-56	-29.222	-12.700
-55	-15.099	-12.700
-54	-30.474	-12.700
-53	-17.092	-12.700
-52	-27.689	-12.700
-51	-24.198	-12.700
-50	-24.883	-12.700
-49	-20.091	-12.700
-48	-17.388	-12.731
-47	-19.390	-12.502
-46	-21.526	-12.269
-45	-23.564	-12.030
-44	-22.103	-11.786
-43	-16.210	-11.537
-42	-21.922	-11.281
-41	-13.980	-11.020
-40	-23.058	-10.751
-39	-19.590	-10.477
-38	-12.790	-10.195
-37	-16.410	-9.905
-36	-21.263	-9.608
-35	-13.713	-9.302
-34	-17.251	-8.987
-33	-13.963	-8.663
-32	-12.707	-8.329
-31	-13.126	-7.984
-30	-17.143	-7.628
-29	-10.857	-7.260
-28	-25.267	-6.879
-27	-10.856	-6.484
-26	-15.540	-6.074
-25	-18.549	-5.649
-24	-18.728	-5.205
-23	-22.095	-4.743
-22	-19.401	-4.261
-21	-13.896	-3.755
-20	-15.157	-3.226
-19	-19.886	-2.669
-18	-12.281	-2.082
-17	-13.115	-1.461

-16	-27.406	-0.803
-15	-10.406	-0.102
-14	-6.313	0.647
-13	-19.017	1.451
-12	-13.057	2.320
-11	-9.704	3.265
-10	-10.493	4.300
-9	-15.795	5.300
-8	-4.619	5.300
-7	-7.381	5.173
-6	-2.709	6.846
-5	-4.840	8.826
-4	-2.790	11.249
-3	-3.760	14.372
-2	14.874	18.774
-1	27.706	
-1.00044E-11	35.580	
1	27.822	
2	14.553	18.774
3	-2.733	14.372
4	-0.812	11.249
5	-10.062	8.826
6	-0.643	6.846
7	-37.417	5.173
8	-6.906	5.300
9	-5.844	5.300
10	-4.083	4.300
11	-17.508	3.265
12	-19.377	2.320
13	-7.457	1.451
14	-9.651	0.647
15	-16.863	-0.102
16	-16.918	-0.803
17	-21.992	-1.461
18	-10.158	-2.082
19	-17.261	-2.669
20	-15.285	-3.226
21	-14.718	-3.755
22	-11.475	-4.261
23	-18.415	-4.743
24	-20.688	-5.205

25	-12.741	-5.649
26	-15.240	-6.074
27	-18.852	-6.484
28	-16.550	-6.879
29	-23.253	-7.260
30	-16.036	-7.628
31	-12.373	-7.984
32	-19.792	-8.329
33	-15.404	-8.663
34	-16.969	-8.987
35	-29.110	-9.302
36	-25.445	-9.608
37	-22.592	-9.905
38	-15.483	-10.195
39	-16.593	-10.477
40	-19.794	-10.751
41	-15.415	-11.020
42	-14.363	-11.281
43	-25.169	-11.537
44	-14.163	-11.786
45	-16.292	-12.030
46	-19.042	-12.269
47	-20.744	-12.502
48	-17.206	-12.731
49	-18.636	-12.700
50	-25.206	-12.700
51	-26.087	-12.700
52	-16.021	-12.700
53	-16.725	-12.700
54	-22.680	-12.700
55	-18.627	-12.700
56	-18.021	-12.700
57	-21.831	-12.700
58	-19.778	-12.700
59	-18.282	-12.700
60	-31.186	-12.700
61	-16.219	-12.700
62	-27.360	-12.700
63	-21.977	-12.700
64	-17.451	-12.700
65	-22.678	-12.700

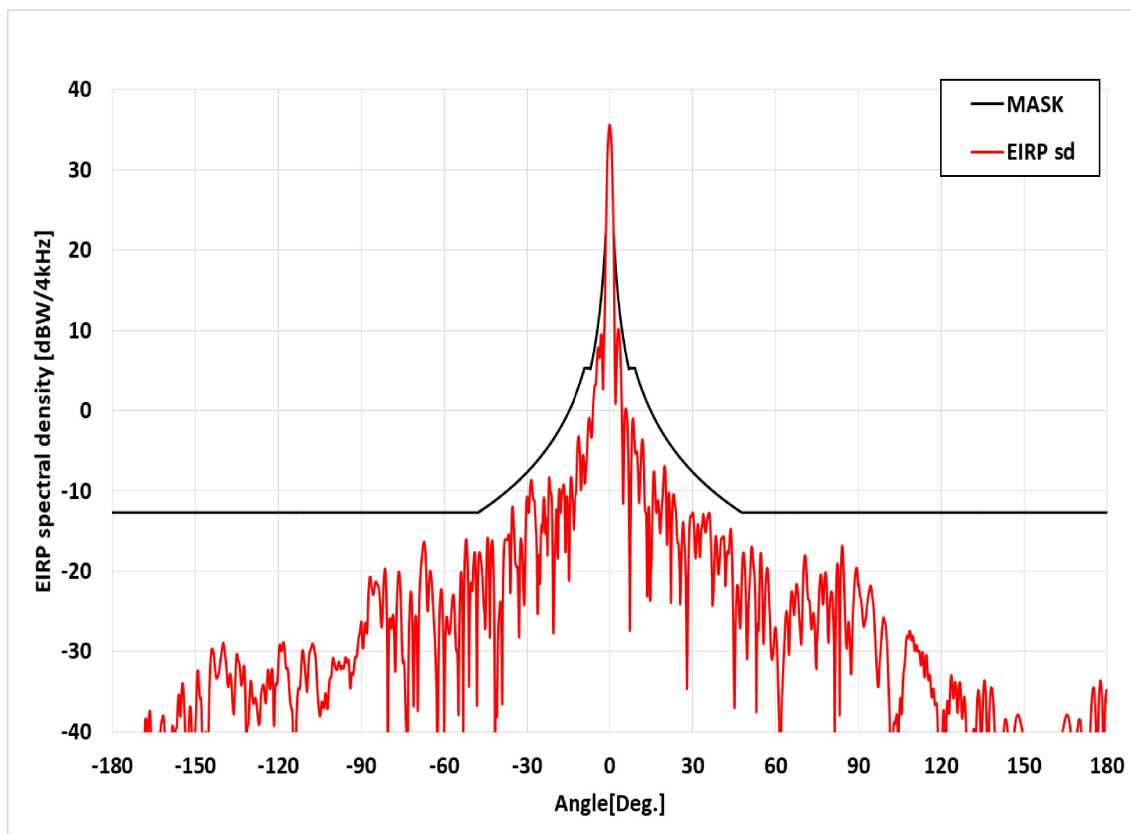
66	-23.948	-12.700
67	-21.874	-12.700
68	-23.961	-12.700
69	-23.445	-12.700
70	-18.342	-12.700
71	-19.285	-12.700
72	-23.123	-12.700
73	-26.086	-12.700
74	-31.978	-12.700
75	-20.598	-12.700
76	-17.967	-12.700
77	-19.083	-12.700
78	-21.507	-12.700
79	-21.582	-12.700
80	-20.722	-12.700
81	-21.205	-12.700
82	-22.983	-12.700
83	-26.291	-12.700
84	-30.773	-12.700
85	-35.568	-12.700
86	-40.082	-12.700
87	-44.358	-12.700
88	-47.608	-12.700
89	-48.610	-12.700
90	-46.823	-12.700
91	-38.825	-12.700
92	-31.761	-12.700
93	-29.984	-12.700
94	-30.982	-12.700
95	-32.535	-12.700
96	-33.361	-12.700
97	-34.181	-12.700
98	-37.020	-12.700
99	-42.663	-12.700
100	-39.159	-12.700
101	-37.409	-12.700
102	-38.242	-12.700
103	-38.694	-12.700
104	-42.632	-12.700
105	-37.333	-12.700
106	-34.257	-12.700

107	-33.576	-12.700
108	-33.886	-12.700
109	-34.507	-12.700
110	-35.934	-12.700
111	-35.103	-12.700
112	-35.816	-12.700
113	-35.974	-12.700
114	-40.340	-12.700
115	-44.330	-12.700
116	-34.407	-12.700
117	-38.687	-12.700
118	-40.396	-12.700
119	-30.874	-12.700
120	-27.161	-12.700
121	-33.769	-12.700
122	-37.793	-12.700
123	-39.899	-12.700
124	-34.641	-12.700
125	-47.725	-12.700
126	-41.645	-12.700
127	-40.129	-12.700
128	-38.150	-12.700
129	-39.313	-12.700
130	-37.126	-12.700
131	-35.797	-12.700
132	-36.402	-12.700
133	-35.556	-12.700
134	-37.010	-12.700
135	-34.765	-12.700
136	-36.953	-12.700
137	-36.752	-12.700
138	-37.719	-12.700
139	-34.138	-12.700
140	-33.869	-12.700
141	-35.470	-12.700
142	-33.463	-12.700
143	-31.743	-12.700
144	-32.311	-12.700
145	-34.444	-12.700
146	-34.984	-12.700
147	-33.831	-12.700

148	-32.602	-12.700
149	-31.609	-12.700
150	-30.585	-12.700
151	-29.965	-12.700
152	-29.638	-12.700
153	-28.012	-12.700
154	-27.229	-12.700
155	-27.908	-12.700
156	-27.519	-12.700
157	-27.070	-12.700
158	-27.583	-12.700
159	-29.388	-12.700
160	-31.344	-12.700
161	-32.427	-12.700
162	-33.181	-12.700
163	-33.074	-12.700
164	-33.833	-12.700
165	-35.427	-12.700
166	-41.874	-12.700
167	-47.786	-12.700
168	-44.236	-12.700
169	-41.671	-12.700
170	-42.746	-12.700
171	-44.949	-12.700
172	-50.326	-12.700
173	-46.935	-12.700
174	-47.542	-12.700
175	-42.254	-12.700
176	-42.895	-12.700
177	-47.395	-12.700
178	-43.970	-12.700
179	-47.038	-12.700
180	-53.749	-12.700

11. EIRP Spectral Density of v240MT Gen-II C-band (Maximum skew angle 45degree)

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



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

■ FCC EIRP spectral density regulation

$26.3-25\log(\theta)$	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
$29.3-25\log(\theta)$	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

12. EIRP Spectral Density Data (Maximum skew angle 45degree)

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

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-48.136	-12.700
-179	-45.048	-12.700
-178	-51.849	-12.700
-177	-45.417	-12.700
-176	-45.510	-12.700
-175	-46.302	-12.700
-174	-48.123	-12.700
-173	-45.647	-12.700
-172	-48.362	-12.700
-171	-49.874	-12.700
-170	-45.425	-12.700
-169	-42.354	-12.700
-168	-38.345	-12.700
-167	-39.185	-12.700
-166	-41.347	-12.700
-165	-41.752	-12.700
-164	-43.266	-12.700
-163	-41.693	-12.700
-162	-38.254	-12.700
-161	-42.523	-12.700
-160	-43.822	-12.700
-159	-45.243	-12.700
-158	-40.825	-12.700
-157	-39.577	-12.700
-156	-35.499	-12.700
-155	-34.804	-12.700
-154	-37.399	-12.700
-153	-47.036	-12.700
-152	-36.844	-12.700
-151	-43.688	-12.700
-150	-39.276	-12.700
-149	-32.631	-12.700
-148	-36.247	-12.700
-147	-42.320	-12.700
-146	-42.321	-12.700
-145	-35.201	-12.700
-144	-29.686	-12.700
-143	-31.959	-12.700
-142	-33.136	-12.700
-141	-31.092	-12.700
-140	-28.921	-12.700

-139	-31.428	-12.700
-138	-34.124	-12.700
-137	-34.188	-12.700
-136	-37.100	-12.700
-135	-30.315	-12.700
-134	-32.007	-12.700
-133	-33.520	-12.700
-132	-35.177	-12.700
-131	-39.161	-12.700
-130	-33.670	-12.700
-129	-36.528	-12.700
-128	-36.394	-12.700
-127	-39.081	-12.700
-126	-34.652	-12.700
-125	-35.472	-12.700
-124	-32.877	-12.700
-123	-34.580	-12.700
-122	-34.251	-12.700
-121	-34.045	-12.700
-120	-30.933	-12.700
-119	-29.947	-12.700
-118	-29.126	-12.700
-117	-32.142	-12.700
-116	-35.279	-12.700
-115	-37.930	-12.700
-114	-47.451	-12.700
-113	-34.908	-12.700
-112	-33.308	-12.700
-111	-30.229	-12.700
-110	-34.139	-12.700
-109	-30.763	-12.700
-108	-29.286	-12.700
-107	-29.879	-12.700
-106	-34.421	-12.700
-105	-38.085	-12.700
-104	-36.571	-12.700
-103	-35.199	-12.700
-102	-35.982	-12.700
-101	-33.206	-12.700
-100	-31.059	-12.700
-99	-32.311	-12.700

-98	-31.394	-12.700
-97	-31.802	-12.700
-96	-31.065	-12.700
-95	-31.163	-12.700
-94	-34.573	-12.700
-93	-32.896	-12.700
-92	-30.693	-12.700
-91	-28.262	-12.700
-90	-26.305	-12.700
-89	-27.713	-12.700
-88	-27.736	-12.700
-87	-20.774	-12.700
-86	-22.737	-12.700
-85	-21.393	-12.700
-84	-21.776	-12.700
-83	-25.910	-12.700
-82	-21.721	-12.700
-81	-22.570	-12.700
-80	-26.978	-12.700
-79	-26.646	-12.700
-78	-30.205	-12.700
-77	-21.999	-12.700
-76	-21.516	-12.700
-75	-31.419	-12.700
-74	-37.455	-12.700
-73	-31.617	-12.700
-72	-22.746	-12.700
-71	-32.883	-12.700
-70	-28.449	-12.700
-69	-23.011	-12.700
-68	-17.663	-12.700
-67	-17.099	-12.700
-66	-24.911	-12.700
-65	-20.043	-12.700
-64	-24.926	-12.700
-63	-33.234	-12.700
-62	-28.690	-12.700
-61	-22.526	-12.700
-60	-38.410	-12.700
-59	-25.941	-12.700
-58	-27.450	-12.700

-57	-23.125	-12.700
-56	-28.491	-12.700
-55	-37.389	-12.700
-54	-20.144	-12.700
-53	-26.566	-12.700
-52	-16.238	-12.700
-51	-31.316	-12.700
-50	-22.451	-12.700
-49	-17.822	-12.700
-48	-24.479	-12.731
-47	-18.245	-12.502
-46	-23.142	-12.269
-45	-23.111	-12.030
-44	-18.566	-11.786
-43	-16.775	-11.537
-42	-26.044	-11.281
-41	-38.097	-11.020
-40	-24.517	-10.751
-39	-29.271	-10.477
-38	-16.022	-10.195
-37	-15.677	-9.905
-36	-19.780	-9.608
-35	-13.694	-9.302
-34	-19.461	-8.987
-33	-28.112	-8.663
-32	-17.042	-8.329
-31	-22.706	-7.984
-30	-10.946	-7.628
-29	-9.798	-7.260
-28	-10.843	-6.879
-27	-14.359	-6.484
-26	-19.785	-6.074
-25	-14.514	-5.649
-24	-10.839	-5.205
-23	-13.911	-4.743
-22	-8.503	-4.261
-21	-14.732	-3.755
-20	-17.292	-3.226
-19	-18.411	-2.669
-18	-12.754	-2.082
-17	-9.335	-1.461

-16	-13.130	-0.803
-15	-20.813	-0.102
-14	-8.820	0.647
-13	-14.482	1.451
-12	-8.115	2.320
-11	-3.717	3.265
-10	-6.849	4.300
-9	-9.089	5.300
-8	-3.443	5.300
-7	-2.011	5.173
-6	0.312	6.846
-5	3.456	8.826
-4	7.557	11.249
-3	9.512	14.372
-2	9.264	18.774
-1	28.734	
-1.00044E-11	35.580	
1	28.971	
2	3.539	18.774
3	9.890	14.372
4	6.052	11.249
5	-8.427	8.826
6	0.173	6.846
7	-11.835	5.173
8	-3.599	5.300
9	-3.994	5.300
10	-5.433	4.300
11	-9.213	3.265
12	-3.841	2.320
13	-12.706	1.451
14	-12.471	0.647
15	-19.694	-0.102
16	-7.584	-0.803
17	-12.560	-1.461
18	-13.589	-2.082
19	-11.477	-2.669
20	-7.082	-3.226
21	-14.173	-3.755
22	-18.153	-4.261
23	-10.541	-4.743
24	-12.737	-5.205

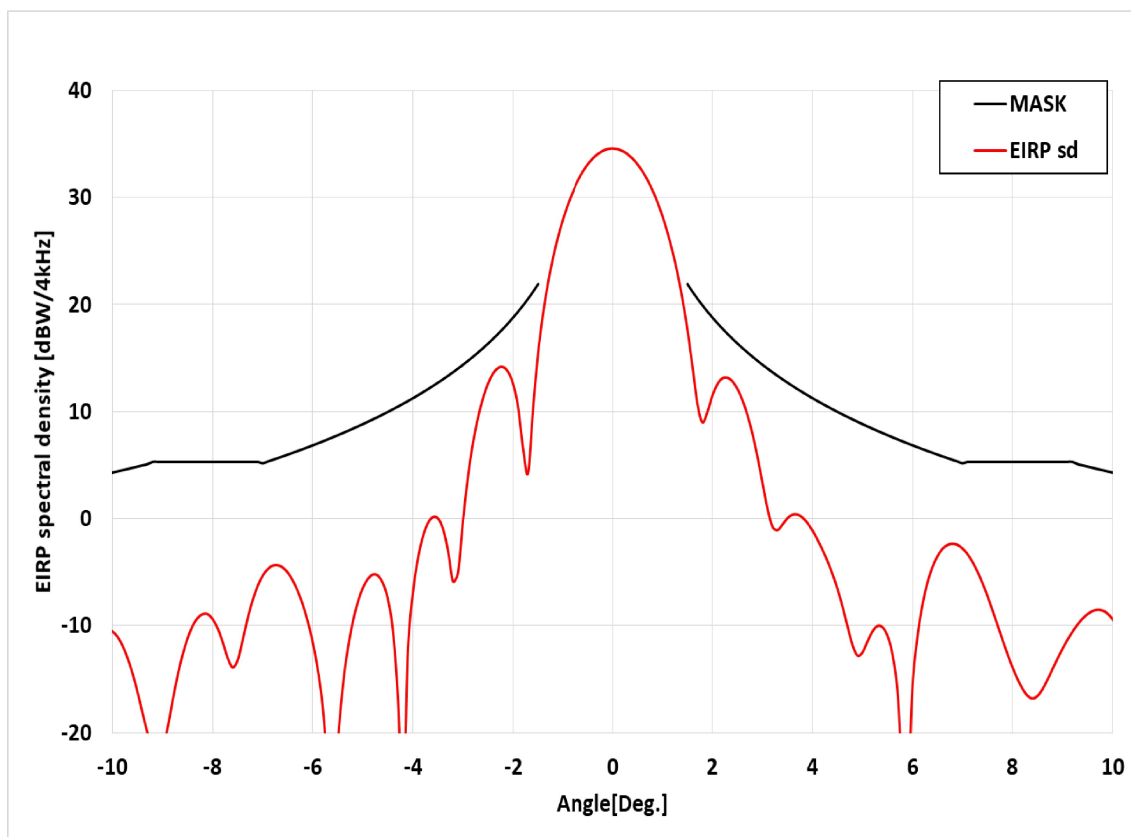
25	-16.911	-5.649
26	-18.200	-6.074
27	-16.050	-6.484
28	-34.661	-6.879
29	-13.734	-7.260
30	-12.708	-7.628
31	-18.142	-7.984
32	-14.184	-8.329
33	-15.789	-8.663
34	-12.968	-8.987
35	-14.638	-9.302
36	-12.728	-9.608
37	-20.270	-9.905
38	-18.291	-10.195
39	-18.384	-10.477
40	-17.525	-10.751
41	-15.703	-11.020
42	-21.537	-11.281
43	-17.824	-11.537
44	-15.256	-11.786
45	-33.313	-12.030
46	-22.354	-12.269
47	-25.889	-12.502
48	-19.180	-12.731
49	-19.993	-12.700
50	-27.755	-12.700
51	-18.939	-12.700
52	-19.066	-12.700
53	-32.038	-12.700
54	-26.290	-12.700
55	-18.907	-12.700
56	-26.202	-12.700
57	-19.615	-12.700
58	-26.046	-12.700
59	-30.747	-12.700
60	-27.002	-12.700
61	-34.064	-12.700
62	-42.101	-12.700
63	-31.151	-12.700
64	-24.953	-12.700
65	-30.028	-12.700

66	-22.532	-12.700
67	-24.653	-12.700
68	-22.104	-12.700
69	-27.759	-12.700
70	-21.809	-12.700
71	-18.728	-12.700
72	-23.567	-12.700
73	-27.136	-12.700
74	-25.694	-12.700
75	-29.029	-12.700
76	-21.687	-12.700
77	-22.986	-12.700
78	-20.312	-12.700
79	-27.572	-12.700
80	-22.946	-12.700
81	-26.031	-12.700
82	-22.646	-12.700
83	-24.452	-12.700
84	-17.342	-12.700
85	-23.091	-12.700
86	-28.845	-12.700
87	-29.344	-12.700
88	-26.126	-12.700
89	-20.129	-12.700
90	-21.901	-12.700
91	-23.567	-12.700
92	-26.905	-12.700
93	-25.005	-12.700
94	-22.424	-12.700
95	-22.886	-12.700
96	-27.412	-12.700
97	-34.005	-12.700
98	-30.198	-12.700
99	-25.943	-12.700
100	-27.100	-12.700
101	-34.451	-12.700
102	-46.561	-12.700
103	-38.811	-12.700
104	-38.019	-12.700
105	-36.533	-12.700
106	-35.566	-12.700

107	-30.542	-12.700
108	-28.366	-12.700
109	-28.101	-12.700
110	-28.486	-12.700
111	-29.247	-12.700
112	-29.924	-12.700
113	-30.763	-12.700
114	-33.191	-12.700
115	-31.770	-12.700
116	-33.092	-12.700
117	-34.811	-12.700
118	-36.576	-12.700
119	-42.442	-12.700
120	-47.011	-12.700
121	-37.537	-12.700
122	-37.735	-12.700
123	-37.051	-12.700
124	-33.896	-12.700
125	-33.850	-12.700
126	-37.566	-12.700
127	-34.451	-12.700
128	-36.904	-12.700
129	-39.383	-12.700
130	-42.507	-12.700
131	-72.180	-12.700
132	-39.829	-12.700
133	-36.656	-12.700
134	-37.137	-12.700
135	-37.117	-12.700
136	-34.438	-12.700
137	-45.806	-12.700
138	-34.651	-12.700
139	-37.116	-12.700
140	-42.285	-12.700
141	-42.964	-12.700
142	-44.052	-12.700
143	-38.691	-12.700
144	-39.772	-12.700
145	-48.947	-12.700
146	-43.093	-12.700
147	-38.592	-12.700

148	-37.900	-12.700
149	-39.265	-12.700
150	-41.178	-12.700
151	-42.992	-12.700
152	-44.456	-12.700
153	-47.042	-12.700
154	-50.401	-12.700
155	-53.865	-12.700
156	-56.469	-12.700
157	-56.938	-12.700
158	-54.974	-12.700
159	-51.679	-12.700
160	-48.206	-12.700
161	-45.197	-12.700
162	-43.545	-12.700
163	-41.881	-12.700
164	-39.933	-12.700
165	-38.271	-12.700
166	-38.093	-12.700
167	-40.665	-12.700
168	-49.993	-12.700
169	-41.897	-12.700
170	-38.444	-12.700
171	-41.549	-12.700
172	-44.780	-12.700
173	-41.903	-12.700
174	-39.744	-12.700
175	-34.580	-12.700
176	-39.250	-12.700
177	-37.350	-12.700
178	-34.363	-12.700
179	-41.878	-12.700
180	-34.883	-12.700

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



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

■ FCC EIRP spectral density regulation

$26.3-25\log(\theta)$	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
$29.3-25\log(\theta)$	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-10.562	4.300
-9.9	-11.043	4.409
-9.8	-11.889	4.519
-9.7	-13.034	4.631
-9.6	-14.494	4.743
-9.5	-16.256	4.857
-9.4	-18.222	4.972
-9.3	-20.085	5.088
-9.2	-21.708	5.300
-9.1	-22.425	5.300
-9	-21.522	5.300
-8.9	-19.502	5.300
-8.8	-16.962	5.300
-8.7	-14.632	5.300
-8.6	-12.700	5.300
-8.5	-11.161	5.300
-8.4	-10.015	5.300
-8.3	-9.282	5.300
-8.2	-8.928	5.300
-8.1	-8.933	5.300
-8	-9.409	5.300
-7.9	-10.271	5.300
-7.8	-11.547	5.300
-7.7	-13.042	5.300
-7.6	-13.900	5.300
-7.5	-13.201	5.300
-7.4	-11.303	5.300
-7.3	-9.281	5.300
-7.2	-7.592	5.300
-7.1	-6.272	5.300
-7	-5.333	5.173
-6.9	-4.719	5.329
-6.8	-4.388	5.487
-6.7	-4.358	5.648
-6.6	-4.577	5.811
-6.5	-5.054	5.977
-6.4	-5.793	6.146
-6.3	-6.788	6.316
-6.2	-8.064	6.490
-6.1	-9.653	6.667
-6	-11.628	6.846

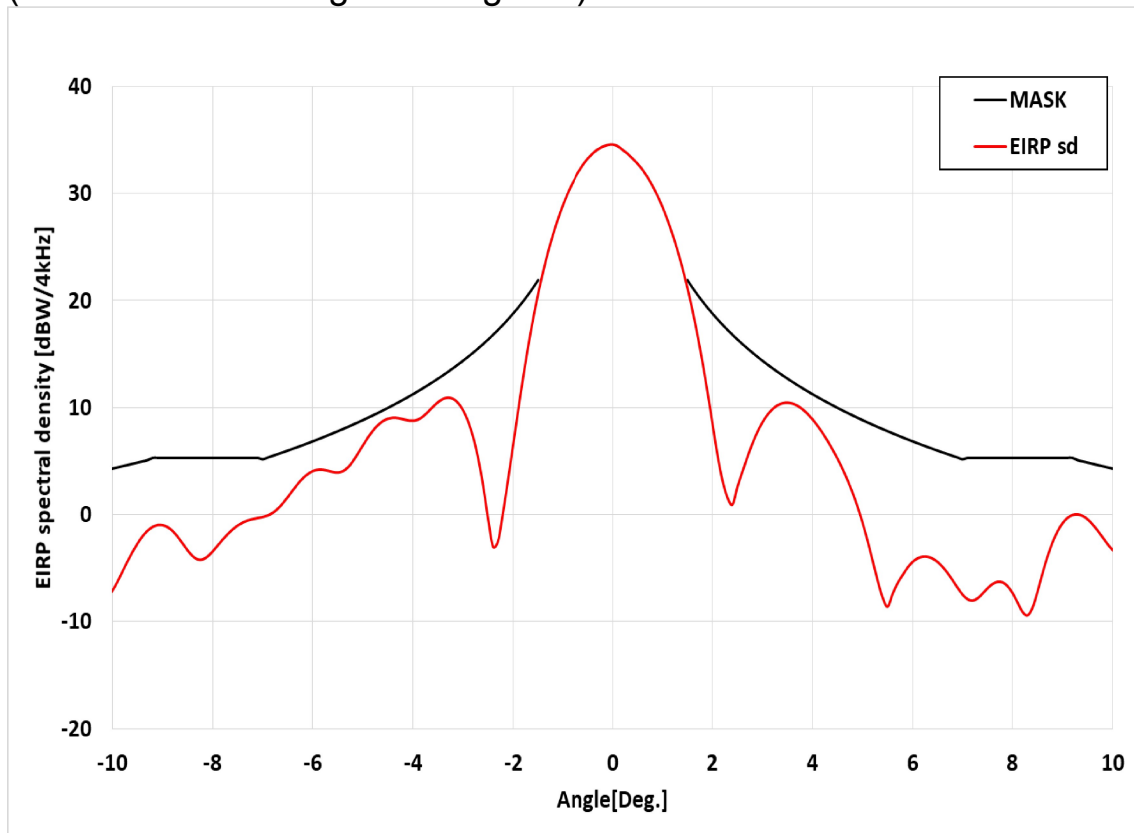
-5.9	-14.169	7.029
-5.8	-17.736	7.214
-5.7	-23.920	7.403
-5.6	-33.334	7.595
-5.5	-21.309	7.791
-5.4	-15.628	7.990
-5.3	-12.126	8.193
-5.2	-9.628	8.400
-5.1	-7.785	8.611
-5	-6.467	8.826
-4.9	-5.629	9.045
-4.8	-5.228	9.269
-4.7	-5.338	9.498
-4.6	-6.062	9.731
-4.5	-7.548	9.970
-4.4	-10.508	10.214
-4.3	-16.776	10.463
-4.2	-26.873	10.719
-4.1	-12.204	10.980
-4	-6.877	11.249
-3.9	-3.701	11.523
-3.8	-1.654	11.805
-3.7	-0.409	12.095
-3.6	0.135	12.392
-3.5	0.014	12.698
-3.4	-0.962	13.013
-3.3	-3.015	13.337
-3.2	-5.874	13.671
-3.1	-5.081	14.016
-3	-0.189	14.372
-2.9	3.957	14.740
-2.8	7.096	15.121
-2.7	9.453	15.516
-2.6	11.275	15.926
-2.5	12.625	16.351
-2.4	13.551	16.795
-2.3	14.071	17.257
-2.2	14.156	17.739
-2.1	13.707	18.245
-2	12.575	18.774
-1.9	10.414	19.331

-1.8	6.536	19.918
-1.7	4.261	20.539
-1.6	10.305	21.197
-1.5	15.467	21.898
-1.4	19.182	
-1.3	22.079	
-1.2	24.410	
-1.1	26.346	
-1	27.981	
-0.9	29.367	
-0.8	30.546	
-0.7	31.544	
-0.6	32.381	
-0.5	33.068	
-0.4	33.621	
-0.3	34.042	
-0.2	34.339	
-0.1	34.519	
-1.00044E-11	34.576	
0.1	34.521	
0.2	34.347	
0.3	34.054	
0.4	33.643	
0.5	33.103	
0.6	32.434	
0.7	31.627	
0.8	30.668	
0.9	29.546	
1	28.242	
1.1	26.727	
1.2	24.964	
1.3	22.912	
1.4	20.480	
1.5	17.600	21.898
1.6	14.207	21.197
1.7	10.684	20.539
1.8	8.984	19.918
1.9	9.986	19.331
2	11.519	18.774
2.1	12.575	18.245
2.2	13.109	17.739

2.3	13.160	17.257
2.4	12.814	16.795
2.5	12.108	16.351
2.6	11.053	15.926
2.7	9.640	15.516
2.8	7.886	15.121
2.9	5.758	14.740
3	3.322	14.372
3.1	0.926	14.016
3.2	-0.758	13.671
3.3	-1.073	13.337
3.4	-0.560	13.013
3.5	0.040	12.698
3.6	0.363	12.392
3.7	0.376	12.095
3.8	0.102	11.805
3.9	-0.416	11.523
4	-1.125	11.249
4.1	-1.970	10.980
4.2	-2.926	10.719
4.3	-3.987	10.463
4.4	-5.198	10.214
4.5	-6.567	9.970
4.6	-8.205	9.731
4.7	-10.059	9.498
4.8	-11.812	9.269
4.9	-12.802	9.045
5	-12.498	8.826
5.1	-11.478	8.611
5.2	-10.546	8.400
5.3	-10.034	8.193
5.4	-10.161	7.990
5.5	-10.959	7.791
5.6	-12.717	7.595
5.7	-16.155	7.403
5.8	-23.997	7.214
5.9	-26.289	7.029
6	-15.706	6.846
6.1	-10.988	6.667
6.2	-8.027	6.490
6.3	-5.970	6.316

6.4	-4.527	6.146
6.5	-3.514	5.977
6.6	-2.830	5.811
6.7	-2.471	5.648
6.8	-2.346	5.487
6.9	-2.458	5.329
7	-2.796	5.173
7.1	-3.319	5.300
7.2	-4.053	5.300
7.3	-4.964	5.300
7.4	-6.031	5.300
7.5	-7.251	5.300
7.6	-8.575	5.300
7.7	-9.951	5.300
7.8	-11.338	5.300
7.9	-12.660	5.300
8	-13.889	5.300
8.1	-14.988	5.300
8.2	-15.895	5.300
8.3	-16.554	5.300
8.4	-16.806	5.300
8.5	-16.573	5.300
8.6	-15.941	5.300
8.7	-15.053	5.300
8.8	-14.053	5.300
8.9	-13.086	5.300
9	-12.161	5.300
9.1	-11.315	5.300
9.2	-10.571	5.300
9.3	-9.904	5.088
9.4	-9.352	4.972
9.5	-8.926	4.857
9.6	-8.641	4.743
9.7	-8.513	4.631
9.8	-8.586	4.519
9.9	-8.869	4.409
10	-9.397	4.300

3.2. Azimuth Pattern for Co-pol, Narrow Angle (-10°~10°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

26.3-25log(θ)	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
29.3-25log(θ)	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

(Maximum skew angle 45 degrees)

F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-7.081	4.300
-9.9	-6.252	4.409
-9.8	-5.302	4.519
-9.7	-4.351	4.631
-9.6	-3.465	4.743
-9.5	-2.679	4.857
-9.4	-2.013	4.972
-9.3	-1.501	5.088
-9.2	-1.153	5.300
-9.1	-0.981	5.300
-9	-0.991	5.300
-8.9	-1.180	5.300
-8.8	-1.544	5.300
-8.7	-2.074	5.300
-8.6	-2.706	5.300
-8.5	-3.349	5.300
-8.4	-3.883	5.300
-8.3	-4.191	5.300
-8.2	-4.188	5.300
-8.1	-3.904	5.300
-8	-3.434	5.300
-7.9	-2.882	5.300
-7.8	-2.332	5.300
-7.7	-1.821	5.300
-7.6	-1.379	5.300
-7.5	-1.014	5.300
-7.4	-0.742	5.300
-7.3	-0.548	5.300
-7.2	-0.421	5.300
-7.1	-0.326	5.300
-7	-0.230	5.173
-6.9	-0.081	5.329
-6.8	0.170	5.487
-6.7	0.549	5.648
-6.6	1.049	5.811
-6.5	1.639	5.977
-6.4	2.265	6.146
-6.3	2.867	6.316
-6.2	3.392	6.490
-6.1	3.792	6.667
-6	4.061	6.846

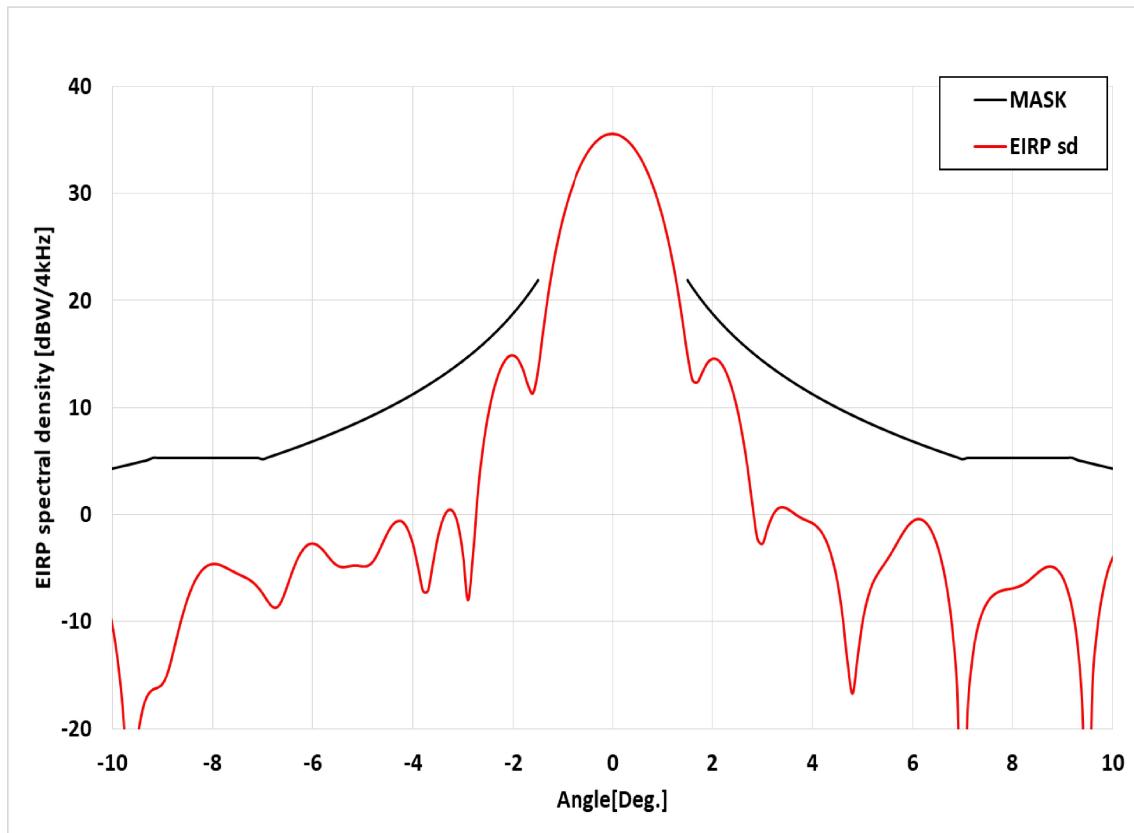
-5.9	4.192	7.029
-5.8	4.191	7.214
-5.7	4.092	7.403
-5.6	3.976	7.595
-5.5	3.934	7.791
-5.4	4.053	7.990
-5.3	4.402	8.193
-5.2	4.979	8.400
-5.1	5.702	8.611
-5	6.463	8.826
-4.9	7.197	9.045
-4.8	7.841	9.269
-4.7	8.358	9.498
-4.6	8.729	9.731
-4.5	8.958	9.970
-4.4	9.050	10.214
-4.3	9.016	10.463
-4.2	8.911	10.719
-4.1	8.799	10.980
-4	8.765	11.249
-3.9	8.872	11.523
-3.8	9.164	11.805
-3.7	9.593	12.095
-3.6	10.069	12.392
-3.5	10.497	12.698
-3.4	10.803	13.013
-3.3	10.926	13.337
-3.2	10.813	13.671
-3.1	10.438	14.016
-3	9.758	14.372
-2.9	8.725	14.740
-2.8	7.262	15.121
-2.7	5.296	15.516
-2.6	2.729	15.926
-2.5	-0.402	16.351
-2.4	-3.008	16.795
-2.3	-2.489	17.257
-2.2	0.220	17.739
-2.1	3.291	18.245
-2	6.460	18.774
-1.9	9.683	19.331

-1.8	12.788	19.918
-1.7	15.665	20.539
-1.6	18.269	21.197
-1.5	20.611	21.898
-1.4	22.697	
-1.3	24.552	
-1.2	26.199	
-1.1	27.658	
-1	28.945	
-0.9	30.076	
-0.8	31.060	
-0.7	31.910	
-0.6	32.633	
-0.5	33.236	
-0.4	33.722	
-0.3	34.096	
-0.2	34.364	
-0.1	34.524	
-1.00044E-11	34.580	
0.1	34.430	
0.2	34.080	
0.3	33.723	
0.4	33.261	
0.5	32.792	
0.6	32.215	
0.7	31.524	
0.8	30.717	
0.9	29.787	
1	28.729	
1.1	27.533	
1.2	26.190	
1.3	24.687	
1.4	23.012	
1.5	21.147	21.898
1.6	19.072	21.197
1.7	16.771	20.539
1.8	14.233	19.918
1.9	11.456	19.331
2	8.479	18.774
2.1	5.546	18.245
2.2	3.164	17.739

2.3	1.584	17.257
2.4	0.937	16.795
2.5	2.612	16.351
2.6	4.020	15.926
2.7	5.403	15.516
2.8	6.655	15.121
2.9	7.735	14.740
3	8.622	14.372
3.1	9.326	14.016
3.2	9.847	13.671
3.3	10.202	13.337
3.4	10.401	13.013
3.5	10.454	12.698
3.6	10.371	12.392
3.7	10.164	12.095
3.8	9.844	11.805
3.9	9.419	11.523
4	8.901	11.249
4.1	8.302	10.980
4.2	7.630	10.719
4.3	6.892	10.463
4.4	6.092	10.214
4.5	5.225	9.970
4.6	4.278	9.731
4.7	3.231	9.498
4.8	2.064	9.269
4.9	0.752	9.045
5	-0.740	8.826
5.1	-2.419	8.611
5.2	-4.246	8.400
5.3	-6.109	8.193
5.4	-7.728	7.990
5.5	-8.602	7.791
5.6	-7.439	7.595
5.7	-6.423	7.403
5.8	-5.667	7.214
5.9	-4.965	7.029
6	-4.427	6.846
6.1	-4.092	6.667
6.2	-3.933	6.490
6.3	-3.938	6.316

6.4	-4.105	6.146
6.5	-4.419	5.977
6.6	-4.871	5.811
6.7	-5.450	5.648
6.8	-6.118	5.487
6.9	-6.826	5.329
7	-7.465	5.173
7.1	-7.908	5.300
7.2	-8.045	5.300
7.3	-7.835	5.300
7.4	-7.386	5.300
7.5	-6.886	5.300
7.6	-6.490	5.300
7.7	-6.284	5.300
7.8	-6.331	5.300
7.9	-6.678	5.300
8	-7.318	5.300
8.1	-8.207	5.300
8.2	-9.090	5.300
8.3	-9.409	5.300
8.4	-8.711	5.300
8.5	-7.215	5.300
8.6	-5.496	5.300
8.7	-3.917	5.300
8.8	-2.606	5.300
8.9	-1.572	5.300
9	-0.813	5.300
9.1	-0.310	5.300
9.2	-0.043	5.300
9.3	0.019	5.088
9.4	-0.119	4.972
9.5	-0.437	4.857
9.6	-0.903	4.743
9.7	-1.476	4.631
9.8	-2.107	4.519
9.9	-2.744	4.409
10	-3.297	4.300

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



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

■ FCC EIRP spectral density regulation

$26.3-25\log(\theta)$	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
$29.3-25\log(\theta)$	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-10.493	4.300
-9.9	-13.562	4.409
-9.8	-17.958	4.519
-9.7	-24.379	4.631
-9.6	-25.664	4.743
-9.5	-20.940	4.857
-9.4	-18.196	4.972
-9.3	-16.892	5.088
-9.2	-16.366	5.300
-9.1	-16.171	5.300
-9	-15.795	5.300
-8.9	-14.789	5.300
-8.8	-13.054	5.300
-8.7	-11.147	5.300
-8.6	-9.363	5.300
-8.5	-7.847	5.300
-8.4	-6.645	5.300
-8.3	-5.752	5.300
-8.2	-5.124	5.300
-8.1	-4.768	5.300
-8	-4.619	5.300
-7.9	-4.650	5.300
-7.8	-4.814	5.300
-7.7	-5.049	5.300
-7.6	-5.303	5.300
-7.5	-5.542	5.300
-7.4	-5.764	5.300
-7.3	-5.999	5.300
-7.2	-6.321	5.300
-7.1	-6.782	5.300
-7	-7.381	5.173
-6.9	-8.111	5.329
-6.8	-8.634	5.487
-6.7	-8.611	5.648
-6.6	-7.809	5.811
-6.5	-6.533	5.977
-6.4	-5.207	6.146
-6.3	-4.083	6.316
-6.2	-3.297	6.490
-6.1	-2.825	6.667
-6	-2.709	6.846

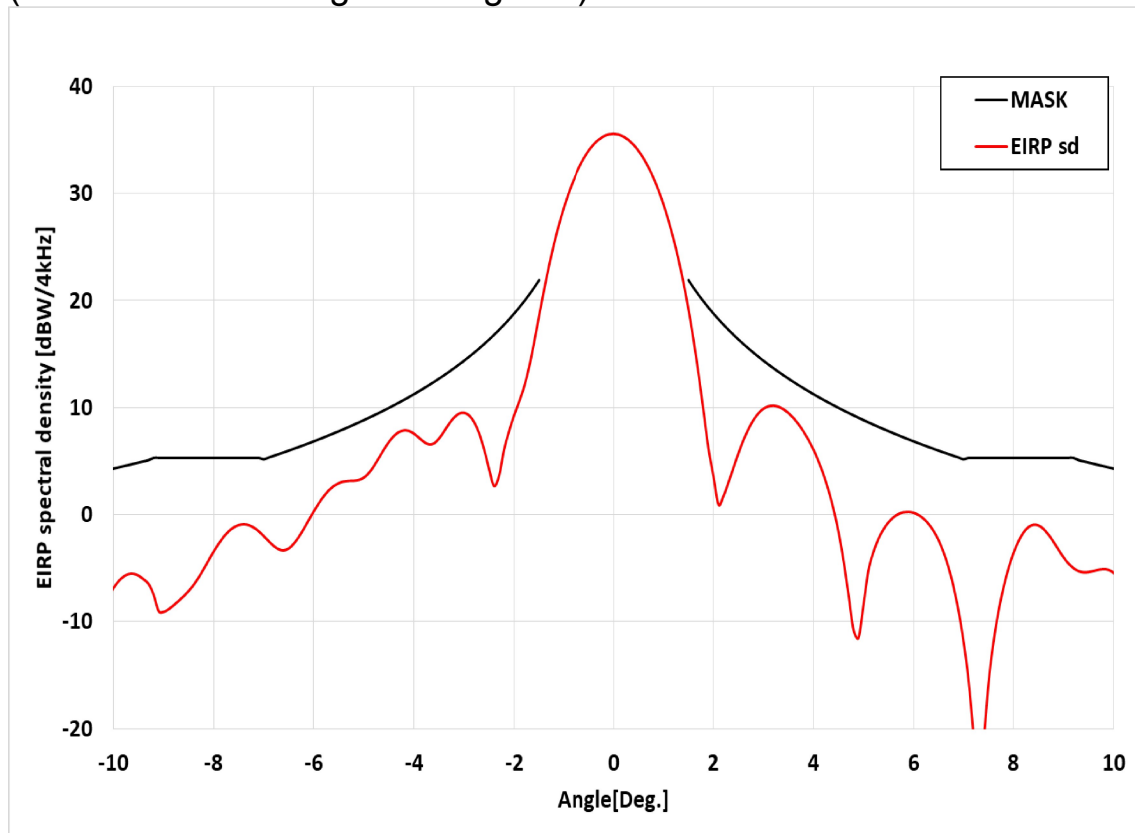
-5.9	-2.889	7.029
-5.8	-3.309	7.214
-5.7	-3.884	7.403
-5.6	-4.437	7.595
-5.5	-4.797	7.791
-5.4	-4.914	7.990
-5.3	-4.853	8.193
-5.2	-4.773	8.400
-5.1	-4.779	8.611
-5	-4.840	8.826
-4.9	-4.788	9.045
-4.8	-4.405	9.269
-4.7	-3.614	9.498
-4.6	-2.609	9.731
-4.5	-1.639	9.970
-4.4	-0.922	10.214
-4.3	-0.604	10.463
-4.2	-0.712	10.719
-4.1	-1.441	10.980
-4	-2.790	11.249
-3.9	-4.881	11.523
-3.8	-7.129	11.805
-3.7	-7.116	12.095
-3.6	-4.560	12.392
-3.5	-2.078	12.698
-3.4	-0.425	13.013
-3.3	0.394	13.337
-3.2	0.279	13.671
-3.1	-0.941	14.016
-3	-3.760	14.372
-2.9	-7.987	14.740
-2.8	-3.727	15.121
-2.7	2.250	15.516
-2.6	6.313	15.926
-2.5	9.246	16.351
-2.4	11.422	16.795
-2.3	13.004	17.257
-2.2	14.103	17.739
-2.1	14.731	18.245
-2	14.874	18.774
-1.9	14.495	19.331

-1.8	13.515	19.918
-1.7	12.064	20.539
-1.6	11.356	21.197
-1.5	13.495	21.898
-1.4	17.114	
-1.3	20.507	
-1.2	23.345	
-1.1	25.713	
-1	27.706	
-0.9	29.384	
-0.8	30.808	
-0.7	32.006	
-0.6	33.003	
-0.5	33.822	
-0.4	34.474	
-0.3	34.968	
-0.2	35.317	
-0.1	35.516	
-1.00044E-11	35.580	
0.1	35.501	
0.2	35.284	
0.3	34.927	
0.4	34.424	
0.5	33.773	
0.6	32.960	
0.7	31.978	
0.8	30.811	
0.9	29.434	
1	27.822	
1.1	25.936	
1.2	23.713	
1.3	21.120	
1.4	18.097	
1.5	14.902	21.898
1.6	12.575	21.197
1.7	12.368	20.539
1.8	13.311	19.918
1.9	14.173	19.331
2	14.553	18.774
2.1	14.472	18.245
2.2	13.945	17.739

2.3	12.989	17.257
2.4	11.605	16.795
2.5	9.760	16.351
2.6	7.359	15.926
2.7	4.396	15.516
2.8	0.821	15.121
2.9	-2.302	14.740
3	-2.733	14.372
3.1	-1.320	14.016
3.2	-0.125	13.671
3.3	0.526	13.337
3.4	0.689	13.013
3.5	0.530	12.698
3.6	0.220	12.392
3.7	-0.113	12.095
3.8	-0.387	11.805
3.9	-0.592	11.523
4	-0.812	11.249
4.1	-1.184	10.980
4.2	-1.787	10.719
4.3	-2.760	10.463
4.4	-4.226	10.214
4.5	-6.334	9.970
4.6	-9.432	9.731
4.7	-13.772	9.498
4.8	-16.720	9.269
4.9	-13.435	9.045
5	-10.062	8.826
5.1	-7.889	8.611
5.2	-6.483	8.400
5.3	-5.573	8.193
5.4	-4.861	7.990
5.5	-4.176	7.791
5.6	-3.415	7.595
5.7	-2.593	7.403
5.8	-1.789	7.214
5.9	-1.106	7.029
6	-0.643	6.846
6.1	-0.420	6.667
6.2	-0.514	6.490
6.3	-0.932	6.316

6.4	-1.718	6.146
6.5	-2.954	5.977
6.6	-4.707	5.811
6.7	-7.204	5.648
6.8	-10.883	5.487
6.9	-17.091	5.329
7	-37.417	5.173
7.1	-18.663	5.300
7.2	-13.383	5.300
7.3	-10.662	5.300
7.4	-9.121	5.300
7.5	-8.169	5.300
7.6	-7.595	5.300
7.7	-7.270	5.300
7.8	-7.087	5.300
7.9	-6.980	5.300
8	-6.906	5.300
8.1	-6.776	5.300
8.2	-6.575	5.300
8.3	-6.271	5.300
8.4	-5.870	5.300
8.5	-5.462	5.300
8.6	-5.100	5.300
8.7	-4.876	5.300
8.8	-4.883	5.300
8.9	-5.175	5.300
9	-5.844	5.300
9.1	-7.046	5.300
9.2	-8.945	5.300
9.3	-12.157	5.088
9.4	-18.361	4.972
9.5	-35.604	4.857
9.6	-15.999	4.743
9.7	-10.533	4.631
9.8	-7.415	4.519
9.9	-5.385	4.409
10	-4.083	4.300

11.2. Azimuth Pattern for Co-pol, Narrow Angle (-10°~10°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

26.3-25log(θ)	dBW/4kHz	for	$1.5^\circ \leq \theta \leq 7.0^\circ$
5.3	dBW/4kHz	for	$7.0^\circ < \theta \leq 9.2^\circ$
29.3-25log(θ)	dBW/4kHz	for	$9.2^\circ < \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

12.2. Azimuth Pattern for Co-pol (-10°~10°) (Maximum skew angle 45 degrees)

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-6.849	4.300
-9.9	-6.223	4.409
-9.8	-5.794	4.519
-9.7	-5.556	4.631
-9.6	-5.534	4.743
-9.5	-5.712	4.857
-9.4	-6.058	4.972
-9.3	-6.492	5.088
-9.2	-7.498	5.300
-9.1	-9.027	5.300
-9	-9.089	5.300
-8.9	-8.836	5.300
-8.8	-8.465	5.300
-8.7	-8.061	5.300
-8.6	-7.629	5.300
-8.5	-7.143	5.300
-8.4	-6.568	5.300
-8.3	-5.872	5.300
-8.2	-5.079	5.300
-8.1	-4.252	5.300
-8	-3.443	5.300
-7.9	-2.707	5.300
-7.8	-2.071	5.300
-7.7	-1.559	5.300
-7.6	-1.197	5.300
-7.5	-0.980	5.300
-7.4	-0.905	5.300
-7.3	-0.987	5.300
-7.2	-1.218	5.300
-7.1	-1.565	5.300
-7	-2.011	5.173
-6.9	-2.495	5.329
-6.8	-2.938	5.487
-6.7	-3.249	5.648
-6.6	-3.341	5.811
-6.5	-3.161	5.977
-6.4	-2.716	6.146
-6.3	-2.086	6.316
-6.2	-1.320	6.490
-6.1	-0.489	6.667
-6	0.312	6.846

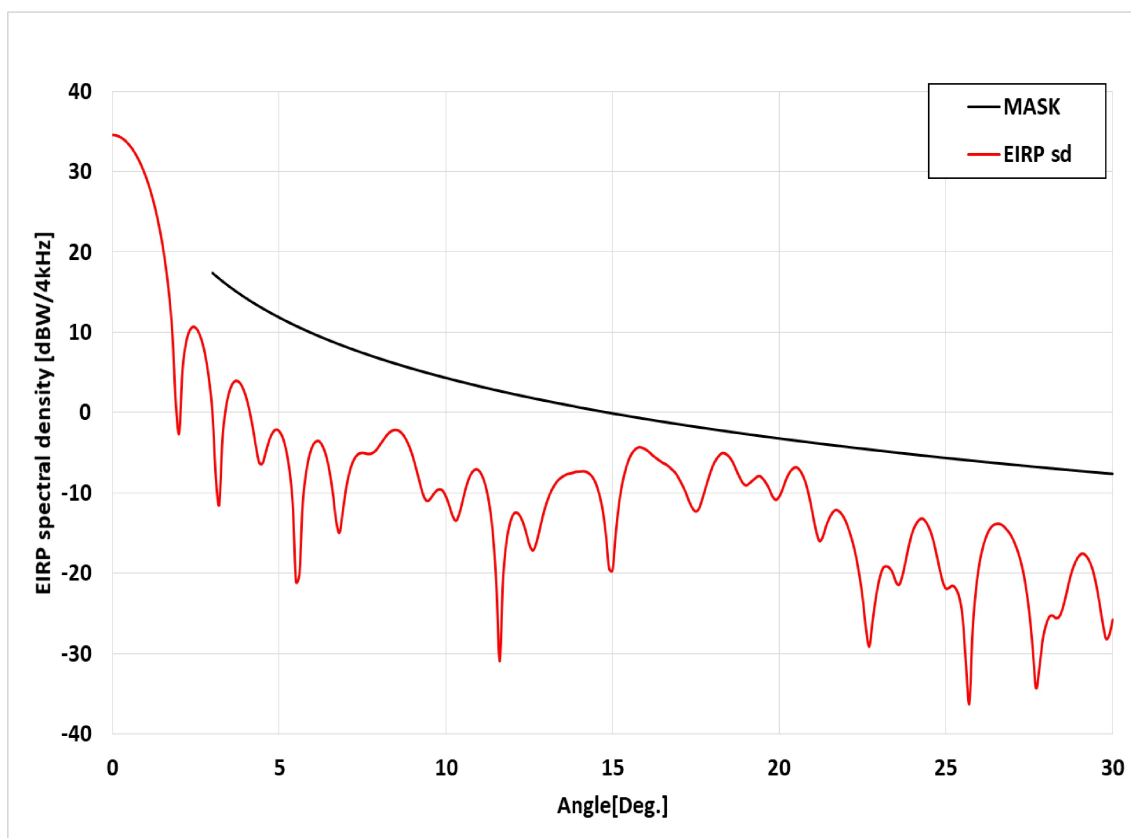
-5.9	1.061	7.029
-5.8	1.725	7.214
-5.7	2.269	7.403
-5.6	2.674	7.595
-5.5	2.943	7.791
-5.4	3.093	7.990
-5.3	3.145	8.193
-5.2	3.161	8.400
-5.1	3.237	8.611
-5	3.456	8.826
-4.9	3.890	9.045
-4.8	4.536	9.269
-4.7	5.303	9.498
-4.6	6.083	9.731
-4.5	6.786	9.970
-4.4	7.347	10.214
-4.3	7.709	10.463
-4.2	7.861	10.719
-4.1	7.812	10.980
-4	7.557	11.249
-3.9	7.173	11.523
-3.8	6.785	11.805
-3.7	6.555	12.095
-3.6	6.646	12.392
-3.5	7.095	12.698
-3.4	7.769	13.013
-3.3	8.474	13.337
-3.2	9.058	13.671
-3.1	9.428	14.016
-3	9.512	14.372
-2.9	9.267	14.740
-2.8	8.651	15.121
-2.7	7.605	15.516
-2.6	6.101	15.926
-2.5	4.247	16.351
-2.4	2.671	16.795
-2.3	3.615	17.257
-2.2	6.070	17.739
-2.1	7.802	18.245
-2	9.264	18.774
-1.9	10.532	19.331

-1.8	11.933	19.918
-1.7	13.774	20.539
-1.6	16.070	21.197
-1.5	18.575	21.898
-1.4	21.024	
-1.3	23.289	
-1.2	25.330	
-1.1	27.141	
-1	28.734	
-0.9	30.126	
-0.8	31.336	
-0.7	32.375	
-0.6	33.254	
-0.5	33.982	
-0.4	34.569	
-0.3	35.019	
-0.2	35.333	
-0.1	35.521	
-1.00044E-11	35.580	
0.1	35.512	
0.2	35.320	
0.3	35.003	
0.4	34.559	
0.5	33.985	
0.6	33.278	
0.7	32.433	
0.8	31.439	
0.9	30.290	
1	28.971	
1.1	27.469	
1.2	25.762	
1.3	23.829	
1.4	21.641	
1.5	19.163	21.898
1.6	16.351	21.197
1.7	13.175	20.539
1.8	9.688	19.918
1.9	6.151	19.331
2	3.539	18.774
2.1	0.933	18.245
2.2	1.734	17.739

2.3	3.008	17.257
2.4	4.389	16.795
2.5	5.740	16.351
2.6	6.966	15.926
2.7	8.009	15.516
2.8	8.845	15.121
2.9	9.470	14.740
3	9.890	14.372
3.1	10.114	14.016
3.2	10.172	13.671
3.3	10.076	13.337
3.4	9.842	13.013
3.5	9.485	12.698
3.6	9.020	12.392
3.7	8.448	12.095
3.8	7.765	11.805
3.9	6.970	11.523
4	6.052	11.249
4.1	4.980	10.980
4.2	3.732	10.719
4.3	2.262	10.463
4.4	0.506	10.214
4.5	-1.630	9.970
4.6	-4.268	9.731
4.7	-7.490	9.498
4.8	-10.768	9.269
4.9	-11.531	9.045
5	-8.427	8.826
5.1	-5.191	8.611
5.2	-3.494	8.400
5.3	-2.258	8.193
5.4	-1.372	7.990
5.5	-0.723	7.791
5.6	-0.254	7.595
5.7	0.054	7.403
5.8	0.219	7.214
5.9	0.258	7.029
6	0.173	6.846
6.1	-0.041	6.667
6.2	-0.382	6.490
6.3	-0.864	6.316

6.4	-1.518	6.146
6.5	-2.379	5.977
6.6	-3.497	5.811
6.7	-4.931	5.648
6.8	-6.742	5.487
6.9	-9.006	5.329
7	-11.835	5.173
7.1	-15.468	5.300
7.2	-20.665	5.300
7.3	-27.412	5.300
7.4	-21.492	5.300
7.5	-15.748	5.300
7.6	-11.888	5.300
7.7	-9.032	5.300
7.8	-6.807	5.300
7.9	-5.026	5.300
8	-3.599	5.300
8.1	-2.486	5.300
8.2	-1.677	5.300
8.3	-1.167	5.300
8.4	-0.951	5.300
8.5	-1.016	5.300
8.6	-1.347	5.300
8.7	-1.880	5.300
8.8	-2.550	5.300
8.9	-3.287	5.300
9	-3.994	5.300
9.1	-4.571	5.300
9.2	-5.002	5.300
9.3	-5.282	5.088
9.4	-5.391	4.972
9.5	-5.371	4.857
9.6	-5.269	4.743
9.7	-5.157	4.631
9.8	-5.097	4.519
9.9	-5.164	4.409
10	-5.433	4.300

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



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

$29.3-25\log(\theta)$	dBW/4kHz	for	$3.0^\circ \leq \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	34.576	
0.1	34.523	
0.2	34.379	
0.3	34.138	
0.4	33.797	
0.5	33.356	
0.6	32.806	
0.7	32.143	
0.8	31.360	
0.9	30.443	
1	29.381	
1.1	28.156	
1.2	26.740	
1.3	25.098	
1.4	23.185	
1.5	20.906	
1.6	18.132	
1.7	14.591	
1.8	9.594	
1.9	0.992	
2	-2.586	
2.1	5.349	
2.2	8.556	
2.3	10.085	
2.4	10.641	
2.5	10.531	
2.6	9.858	
2.7	8.615	
2.8	6.717	
2.9	3.959	
3	-0.282	17.372
3.1	-8.175	17.016
3.2	-11.442	16.671
3.3	-3.127	16.337
3.4	0.590	16.013
3.5	2.547	15.698
3.6	3.599	15.392
3.7	3.940	15.095
3.8	3.772	14.805
3.9	3.135	14.523
4	2.004	14.249

4.1	0.386	13.980
4.2	-1.747	13.719
4.3	-4.256	13.463
4.4	-6.255	13.214
4.5	-6.297	12.970
4.6	-4.851	12.731
4.7	-3.420	12.498
4.8	-2.506	12.269
4.9	-2.109	12.045
5	-2.332	11.826
5.1	-3.122	11.611
5.2	-4.600	11.400
5.3	-7.092	11.193
5.4	-11.323	10.990
5.5	-21.052	10.791
5.6	-20.281	10.595
5.7	-11.353	10.403
5.8	-7.542	10.214
5.9	-5.345	10.029
6	-4.124	9.846
6.1	-3.597	9.667
6.2	-3.598	9.490
6.3	-4.207	9.316
6.4	-5.378	9.146
6.5	-7.222	8.977
6.6	-9.959	8.811
6.7	-13.399	8.648
6.8	-14.946	8.487
6.9	-12.338	8.329
7	-9.413	8.173
7.1	-7.455	8.019
7.2	-6.154	7.867
7.3	-5.415	7.717
7.4	-5.098	7.569
7.5	-5.017	7.423
7.6	-5.111	7.280
7.7	-5.159	7.138
7.8	-5.019	6.998
7.9	-4.673	6.859
8	-4.106	6.723
8.1	-3.493	6.588

8.2	-2.931	6.455
8.3	-2.467	6.323
8.4	-2.224	6.193
8.5	-2.164	6.065
8.6	-2.317	5.938
8.7	-2.729	5.812
8.8	-3.378	5.688
8.9	-4.302	5.565
9	-5.516	5.444
9.1	-7.006	5.324
9.2	-8.628	5.205
9.3	-10.128	5.088
9.4	-10.955	4.972
9.5	-10.846	4.857
9.6	-10.261	4.743
9.7	-9.751	4.631
9.8	-9.550	4.519
9.9	-9.766	4.409
10	-10.555	4.300
10.1	-11.704	4.192
10.2	-12.961	4.085
10.3	-13.461	3.979
10.4	-12.474	3.874
10.5	-10.797	3.770
10.6	-9.185	3.667
10.7	-7.972	3.565
10.8	-7.304	3.464
10.9	-7.058	3.364
11	-7.319	3.265
11.1	-8.132	3.167
11.2	-9.508	3.070
11.3	-11.739	2.973
11.4	-15.256	2.877
11.5	-21.450	2.783
11.6	-30.957	2.689
11.7	-20.740	2.595
11.8	-16.184	2.503
11.9	-13.920	2.411
12	-12.731	2.320
12.1	-12.460	2.230
12.2	-12.811	2.141

12.3	-13.689	2.052
12.4	-15.074	1.964
12.5	-16.551	1.877
12.6	-17.155	1.791
12.7	-16.206	1.705
12.8	-14.501	1.620
12.9	-12.745	1.535
13	-11.289	1.451
13.1	-10.162	1.368
13.2	-9.314	1.286
13.3	-8.670	1.204
13.4	-8.224	1.122
13.5	-7.928	1.042
13.6	-7.700	0.962
13.7	-7.582	0.882
13.8	-7.486	0.803
13.9	-7.370	0.725
14	-7.338	0.647
14.1	-7.304	0.570
14.2	-7.353	0.493
14.3	-7.597	0.417
14.4	-8.025	0.341
14.5	-8.826	0.266
14.6	-10.121	0.191
14.7	-12.025	0.117
14.8	-15.133	0.043
14.9	-19.442	-0.030
15	-19.655	-0.102
15.1	-14.969	-0.174
15.2	-11.244	-0.246
15.3	-8.724	-0.317
15.4	-6.976	-0.388
15.5	-5.734	-0.458
15.6	-4.968	-0.528
15.7	-4.523	-0.597
15.8	-4.313	-0.666
15.9	-4.403	-0.735
16	-4.614	-0.803
16.1	-4.916	-0.871
16.2	-5.313	-0.938
16.3	-5.641	-1.005

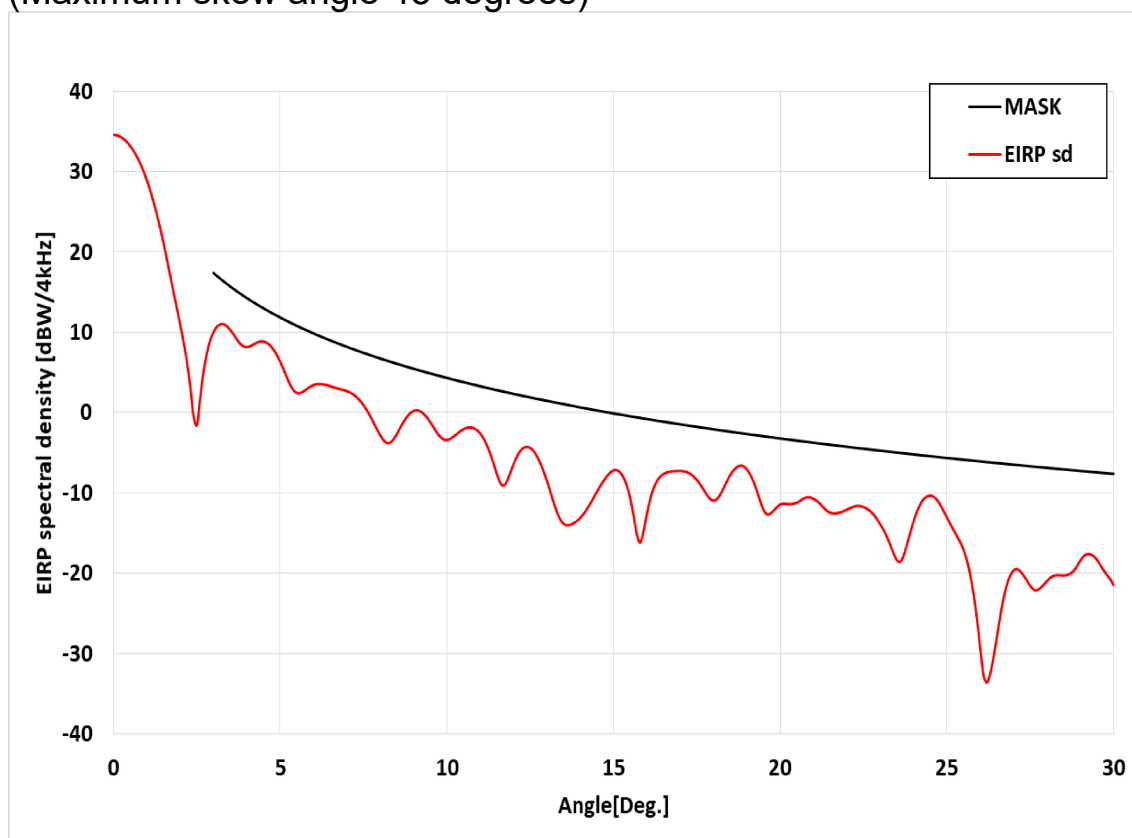
16.4	-5.944	-1.071
16.5	-6.233	-1.137
16.6	-6.438	-1.203
16.7	-6.757	-1.268
16.8	-7.145	-1.333
16.9	-7.573	-1.397
17	-8.283	-1.461
17.1	-9.083	-1.525
17.2	-9.984	-1.588
17.3	-11.087	-1.651
17.4	-11.932	-1.714
17.5	-12.306	-1.776
17.6	-11.906	-1.838
17.7	-10.656	-1.899
17.8	-9.264	-1.961
17.9	-7.899	-2.021
18	-6.698	-2.082
18.1	-5.895	-2.142
18.2	-5.330	-2.202
18.3	-5.042	-2.261
18.4	-5.158	-2.320
18.5	-5.503	-2.379
18.6	-6.128	-2.438
18.7	-7.041	-2.496
18.8	-7.946	-2.554
18.9	-8.712	-2.612
19	-9.061	-2.669
19.1	-8.823	-2.726
19.2	-8.457	-2.783
19.3	-8.105	-2.839
19.4	-7.896	-2.895
19.5	-8.191	-2.951
19.6	-8.745	-3.006
19.7	-9.506	-3.062
19.8	-10.447	-3.117
19.9	-10.858	-3.171
20	-10.468	-3.226
20.1	-9.549	-3.280
20.2	-8.408	-3.334
20.3	-7.527	-3.387
20.4	-7.013	-3.441

20.5	-6.804	-3.494
20.6	-7.076	-3.547
20.7	-7.776	-3.599
20.8	-8.848	-3.652
20.9	-10.481	-3.704
21	-12.546	-3.755
21.1	-14.616	-3.807
21.2	-15.968	-3.858
21.3	-15.543	-3.909
21.4	-14.190	-3.960
21.5	-13.169	-4.011
21.6	-12.433	-4.061
21.7	-12.126	-4.111
21.8	-12.328	-4.161
21.9	-12.801	-4.211
22	-13.591	-4.261
22.1	-14.745	-4.310
22.2	-16.128	-4.359
22.3	-17.869	-4.408
22.4	-20.177	-4.456
22.5	-23.053	-4.505
22.6	-26.846	-4.553
22.7	-29.124	-4.601
22.8	-25.923	-4.648
22.9	-22.939	-4.696
23	-20.805	-4.743
23.1	-19.438	-4.790
23.2	-19.127	-4.837
23.3	-19.325	-4.884
23.4	-19.924	-4.930
23.5	-21.097	-4.977
23.6	-21.417	-5.023
23.7	-20.199	-5.069
23.8	-18.297	-5.114
23.9	-16.343	-5.160
24	-14.823	-5.205
24.1	-13.888	-5.250
24.2	-13.326	-5.295
24.3	-13.208	-5.340
24.4	-13.625	-5.385
24.5	-14.403	-5.429

24.6	-15.614	-5.473
24.7	-17.341	-5.517
24.8	-19.277	-5.561
24.9	-20.986	-5.605
25	-21.923	-5.649
25.1	-21.793	-5.692
25.2	-21.555	-5.735
25.3	-21.945	-5.778
25.4	-23.037	-5.821
25.5	-25.608	-5.864
25.6	-31.396	-5.906
25.7	-36.211	-5.948
25.8	-27.003	-5.990
25.9	-21.978	-6.032
26	-18.859	-6.074
26.1	-16.864	-6.116
26.2	-15.518	-6.158
26.3	-14.580	-6.199
26.4	-14.075	-6.240
26.5	-13.871	-6.281
26.6	-13.843	-6.322
26.7	-14.056	-6.363
26.8	-14.459	-6.403
26.9	-14.971	-6.444
27	-15.699	-6.484
27.1	-16.682	-6.524
27.2	-17.899	-6.564
27.3	-19.543	-6.604
27.4	-21.834	-6.644
27.5	-24.939	-6.683
27.6	-29.340	-6.723
27.7	-34.299	-6.762
27.8	-31.773	-6.801
27.9	-28.312	-6.840
28	-26.435	-6.879
28.1	-25.416	-6.918
28.2	-25.283	-6.956
28.3	-25.590	-6.995
28.4	-25.374	-7.033
28.5	-24.371	-7.071
28.6	-22.737	-7.109

28.7	-20.930	-7.147
28.8	-19.462	-7.185
28.9	-18.454	-7.222
29	-17.784	-7.260
29.1	-17.542	-7.297
29.2	-17.829	-7.335
29.3	-18.485	-7.372
29.4	-19.584	-7.409
29.5	-21.352	-7.446
29.6	-23.654	-7.482
29.7	-26.228	-7.519
29.8	-28.170	-7.555
29.9	-27.643	-7.592
30	-25.782	-7.628

3.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

$29.3 - 25 \log(\theta)$	dBW/4kHz	for	$3.0^\circ \leq \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

4.4. Elevation Pattern for Co-pol (0°~30°) (Maximum skew angle 45 degrees)

F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	34.580	
0.1	34.524	
0.2	34.365	
0.3	34.095	
0.4	33.716	
0.5	33.225	
0.6	32.620	
0.7	31.894	
0.8	31.042	
0.9	30.061	
1	28.942	
1.1	27.681	
1.2	26.268	
1.3	24.701	
1.4	22.986	
1.5	21.127	
1.6	19.147	
1.7	17.089	
1.8	15.021	
1.9	12.979	
2	10.951	
2.1	8.831	
2.2	6.383	
2.3	3.284	
2.4	-0.467	
2.5	-1.571	
2.6	1.803	
2.7	5.049	
2.8	7.373	
2.9	8.980	
3	10.039	17.372
3.1	10.686	17.016
3.2	10.987	16.671
3.3	10.992	16.337
3.4	10.742	16.013
3.5	10.300	15.698
3.6	9.722	15.392
3.7	9.103	15.095
3.8	8.565	14.805
3.9	8.229	14.523
4	8.145	14.249

4.1	8.261	13.980
4.2	8.489	13.719
4.3	8.713	13.463
4.4	8.848	13.214
4.5	8.841	12.970
4.6	8.680	12.731
4.7	8.341	12.498
4.8	7.818	12.269
4.9	7.125	12.045
5	6.286	11.826
5.1	5.330	11.611
5.2	4.329	11.400
5.3	3.424	11.193
5.4	2.758	10.990
5.5	2.435	10.791
5.6	2.437	10.595
5.7	2.660	10.403
5.8	2.962	10.214
5.9	3.238	10.029
6	3.437	9.846
6.1	3.543	9.667
6.2	3.557	9.490
6.3	3.502	9.316
6.4	3.400	9.146
6.5	3.272	8.977
6.6	3.139	8.811
6.7	3.020	8.648
6.8	2.912	8.487
6.9	2.798	8.329
7	2.656	8.173
7.1	2.472	8.019
7.2	2.225	7.867
7.3	1.882	7.717
7.4	1.431	7.569
7.5	0.884	7.423
7.6	0.242	7.280
7.7	-0.503	7.138
7.8	-1.309	6.998
7.9	-2.123	6.859
8	-2.879	6.723
8.1	-3.490	6.588

8.2	-3.799	6.455
8.3	-3.719	6.323
8.4	-3.282	6.193
8.5	-2.600	6.065
8.6	-1.826	5.938
8.7	-1.095	5.812
8.8	-0.489	5.688
8.9	-0.044	5.565
9	0.214	5.444
9.1	0.279	5.324
9.2	0.141	5.205
9.3	-0.180	5.088
9.4	-0.657	4.972
9.5	-1.254	4.857
9.6	-1.916	4.743
9.7	-2.547	4.631
9.8	-3.056	4.519
9.9	-3.360	4.409
10	-3.408	4.300
10.1	-3.251	4.192
10.2	-2.963	4.085
10.3	-2.622	3.979
10.4	-2.298	3.874
10.5	-2.038	3.770
10.6	-1.874	3.667
10.7	-1.838	3.565
10.8	-1.958	3.464
10.9	-2.231	3.364
11	-2.672	3.265
11.1	-3.322	3.167
11.2	-4.192	3.070
11.3	-5.265	2.973
11.4	-6.509	2.877
11.5	-7.818	2.783
11.6	-8.832	2.689
11.7	-9.061	2.595
11.8	-8.426	2.503
11.9	-7.357	2.411
12	-6.263	2.320
12.1	-5.351	2.230
12.2	-4.709	2.141

12.3	-4.361	2.052
12.4	-4.281	1.964
12.5	-4.448	1.877
12.6	-4.862	1.791
12.7	-5.530	1.705
12.8	-6.415	1.620
12.9	-7.482	1.535
13	-8.700	1.451
13.1	-10.048	1.368
13.2	-11.392	1.286
13.3	-12.561	1.204
13.4	-13.411	1.122
13.5	-13.897	1.042
13.6	-14.031	0.962
13.7	-13.934	0.882
13.8	-13.737	0.803
13.9	-13.481	0.725
14	-13.130	0.647
14.1	-12.640	0.570
14.2	-12.037	0.493
14.3	-11.352	0.417
14.4	-10.619	0.341
14.5	-9.874	0.266
14.6	-9.154	0.191
14.7	-8.507	0.117
14.8	-7.940	0.043
14.9	-7.484	-0.030
15	-7.189	-0.102
15.1	-7.155	-0.174
15.2	-7.443	-0.246
15.3	-8.070	-0.317
15.4	-9.099	-0.388
15.5	-10.658	-0.458
15.6	-12.815	-0.528
15.7	-15.165	-0.597
15.8	-16.178	-0.666
15.9	-14.779	-0.735
16	-12.623	-0.803
16.1	-10.793	-0.871
16.2	-9.451	-0.938
16.3	-8.556	-1.005

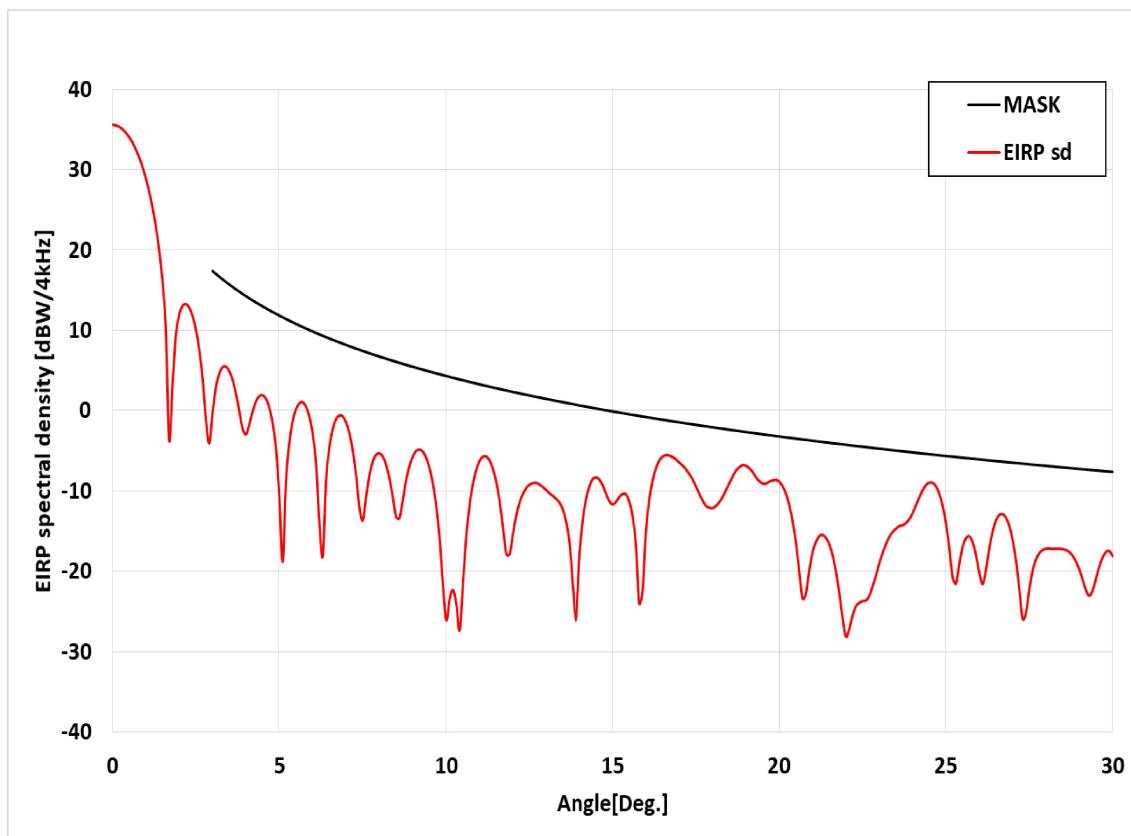
16.4	-7.996	-1.071
16.5	-7.647	-1.137
16.6	-7.445	-1.203
16.7	-7.345	-1.268
16.8	-7.293	-1.333
16.9	-7.264	-1.397
17	-7.261	-1.461
17.1	-7.298	-1.525
17.2	-7.411	-1.588
17.3	-7.618	-1.651
17.4	-7.939	-1.714
17.5	-8.378	-1.776
17.6	-8.937	-1.838
17.7	-9.578	-1.899
17.8	-10.227	-1.961
17.9	-10.751	-2.021
18	-10.968	-2.082
18.1	-10.770	-2.142
18.2	-10.198	-2.202
18.3	-9.395	-2.261
18.4	-8.543	-2.320
18.5	-7.779	-2.379
18.6	-7.188	-2.438
18.7	-6.788	-2.496
18.8	-6.606	-2.554
18.9	-6.686	-2.612
19	-7.074	-2.669
19.1	-7.720	-2.726
19.2	-8.619	-2.783
19.3	-9.761	-2.839
19.4	-11.051	-2.895
19.5	-12.135	-2.951
19.6	-12.664	-3.006
19.7	-12.605	-3.062
19.8	-12.223	-3.117
19.9	-11.775	-3.171
20	-11.452	-3.226
20.1	-11.358	-3.280
20.2	-11.386	-3.334
20.3	-11.407	-3.387
20.4	-11.348	-3.441

20.5	-11.221	-3.494
20.6	-10.977	-3.547
20.7	-10.714	-3.599
20.8	-10.542	-3.652
20.9	-10.565	-3.704
21	-10.738	-3.755
21.1	-11.009	-3.807
21.2	-11.381	-3.858
21.3	-11.828	-3.909
21.4	-12.238	-3.960
21.5	-12.479	-4.011
21.6	-12.567	-4.061
21.7	-12.548	-4.111
21.8	-12.444	-4.161
21.9	-12.279	-4.211
22	-12.081	-4.261
22.1	-11.887	-4.310
22.2	-11.723	-4.359
22.3	-11.616	-4.408
22.4	-11.637	-4.456
22.5	-11.757	-4.505
22.6	-11.974	-4.553
22.7	-12.283	-4.601
22.8	-12.693	-4.648
22.9	-13.266	-4.696
23	-13.912	-4.743
23.1	-14.633	-4.790
23.2	-15.472	-4.837
23.3	-16.480	-4.884
23.4	-17.552	-4.930
23.5	-18.392	-4.977
23.6	-18.563	-5.023
23.7	-17.792	-5.069
23.8	-16.443	-5.114
23.9	-14.933	-5.160
24	-13.515	-5.205
24.1	-12.327	-5.250
24.2	-11.406	-5.295
24.3	-10.779	-5.340
24.4	-10.445	-5.385
24.5	-10.351	-5.429

24.6	-10.485	-5.473
24.7	-10.863	-5.517
24.8	-11.495	-5.561
24.9	-12.258	-5.605
25	-13.069	-5.649
25.1	-13.859	-5.692
25.2	-14.639	-5.735
25.3	-15.385	-5.778
25.4	-16.165	-5.821
25.5	-17.133	-5.864
25.6	-18.468	-5.906
25.7	-20.284	-5.948
25.8	-22.680	-5.990
25.9	-25.762	-6.032
26	-29.449	-6.074
26.1	-32.848	-6.116
26.2	-33.595	-6.158
26.3	-32.413	-6.199
26.4	-30.373	-6.240
26.5	-27.793	-6.281
26.6	-25.234	-6.322
26.7	-23.019	-6.363
26.8	-21.377	-6.403
26.9	-20.263	-6.444
27	-19.628	-6.484
27.1	-19.507	-6.524
27.2	-19.780	-6.564
27.3	-20.295	-6.604
27.4	-20.928	-6.644
27.5	-21.589	-6.683
27.6	-22.041	-6.723
27.7	-22.105	-6.762
27.8	-21.836	-6.801
27.9	-21.416	-6.840
28	-20.972	-6.879
28.1	-20.556	-6.918
28.2	-20.320	-6.956
28.3	-20.240	-6.995
28.4	-20.257	-7.033
28.5	-20.285	-7.071
28.6	-20.220	-7.109

28.7	-20.055	-7.147
28.8	-19.701	-7.185
28.9	-19.100	-7.222
29	-18.407	-7.260
29.1	-17.880	-7.297
29.2	-17.639	-7.335
29.3	-17.659	-7.372
29.4	-17.869	-7.409
29.5	-18.343	-7.446
29.6	-18.994	-7.482
29.7	-19.653	-7.519
29.8	-20.225	-7.555
29.9	-20.763	-7.592
30	-21.495	-7.628

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



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

29.3-25log(θ)	dBW/4kHz	for	$3.0^\circ \leq \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	35.580	
0.1	35.521	
0.2	35.342	
0.3	35.047	
0.4	34.623	
0.5	34.071	
0.6	33.380	
0.7	32.539	
0.8	31.534	
0.9	30.345	
1	28.942	
1.1	27.290	
1.2	25.323	
1.3	22.948	
1.4	19.990	
1.5	16.073	
1.6	10.232	
1.7	-3.705	
1.8	3.055	
1.9	9.363	
2	11.919	
2.1	13.018	
2.2	13.260	
2.3	12.819	
2.4	11.778	
2.5	10.102	
2.6	7.630	
2.7	4.064	
2.8	-1.028	
2.9	-4.068	
3	-0.254	17.372
3.1	2.898	17.016
3.2	4.597	16.671
3.3	5.381	16.337
3.4	5.464	16.013
3.5	4.920	15.698
3.6	3.825	15.392
3.7	2.134	15.095
3.8	-0.060	14.805
3.9	-2.236	14.523
4	-2.959	14.249

4.1	-1.753	13.980
4.2	-0.126	13.719
4.3	1.144	13.463
4.4	1.795	13.214
4.5	1.922	12.970
4.6	1.460	12.731
4.7	0.351	12.498
4.8	-1.564	12.269
4.9	-4.814	12.045
5	-10.779	11.826
5.1	-18.805	11.611
5.2	-8.793	11.400
5.3	-3.995	11.193
5.4	-1.341	10.990
5.5	0.204	10.791
5.6	0.916	10.595
5.7	1.027	10.403
5.8	0.465	10.214
5.9	-0.785	10.029
6	-2.949	9.846
6.1	-6.663	9.667
6.2	-14.002	9.490
6.3	-18.121	9.316
6.4	-8.679	9.146
6.5	-4.568	8.977
6.6	-2.305	8.811
6.7	-1.070	8.648
6.8	-0.618	8.487
6.9	-0.737	8.329
7	-1.496	8.173
7.1	-2.869	8.019
7.2	-4.991	7.867
7.3	-8.097	7.717
7.4	-12.087	7.569
7.5	-13.672	7.423
7.6	-10.725	7.280
7.7	-8.034	7.138
7.8	-6.349	6.998
7.9	-5.487	6.859
8	-5.330	6.723
8.1	-5.736	6.588

8.2	-6.790	6.455
8.3	-8.478	6.323
8.4	-10.829	6.193
8.5	-13.239	6.065
8.6	-13.385	5.938
8.7	-11.088	5.812
8.8	-8.652	5.688
8.9	-6.869	5.565
9	-5.678	5.444
9.1	-5.019	5.324
9.2	-4.859	5.205
9.3	-5.122	5.088
9.4	-5.914	4.972
9.5	-7.206	4.857
9.6	-9.139	4.743
9.7	-11.930	4.631
9.8	-15.927	4.519
9.9	-21.704	4.409
10	-26.087	4.300
10.1	-23.461	4.192
10.2	-22.336	4.085
10.3	-24.038	3.979
10.4	-27.358	3.874
10.5	-21.544	3.770
10.6	-15.573	3.667
10.7	-11.705	3.565
10.8	-9.108	3.464
10.9	-7.349	3.364
11	-6.224	3.265
11.1	-5.735	3.167
11.2	-5.706	3.070
11.3	-6.226	2.973
11.4	-7.291	2.877
11.5	-8.938	2.783
11.6	-11.359	2.689
11.7	-14.639	2.595
11.8	-17.879	2.503
11.9	-17.871	2.411
12	-15.278	2.320
12.1	-12.987	2.230
12.2	-11.390	2.141

12.3	-10.346	2.052
12.4	-9.628	1.964
12.5	-9.211	1.877
12.6	-9.028	1.791
12.7	-8.990	1.705
12.8	-9.233	1.620
12.9	-9.533	1.535
13	-9.934	1.451
13.1	-10.334	1.368
13.2	-10.642	1.286
13.3	-11.029	1.204
13.4	-11.520	1.122
13.5	-12.436	1.042
13.6	-14.045	0.962
13.7	-16.823	0.882
13.8	-22.100	0.803
13.9	-26.024	0.725
14	-18.535	0.647
14.1	-13.919	0.570
14.2	-11.172	0.493
14.3	-9.518	0.417
14.4	-8.565	0.341
14.5	-8.321	0.266
14.6	-8.563	0.191
14.7	-9.256	0.117
14.8	-10.294	0.043
14.9	-11.231	-0.030
15	-11.689	-0.102
15.1	-11.389	-0.174
15.2	-10.785	-0.246
15.3	-10.402	-0.317
15.4	-10.434	-0.388
15.5	-11.319	-0.458
15.6	-13.146	-0.528
15.7	-16.660	-0.597
15.8	-23.968	-0.666
15.9	-22.592	-0.735
16	-15.199	-0.803
16.1	-11.222	-0.871
16.2	-8.793	-0.938
16.3	-7.236	-1.005

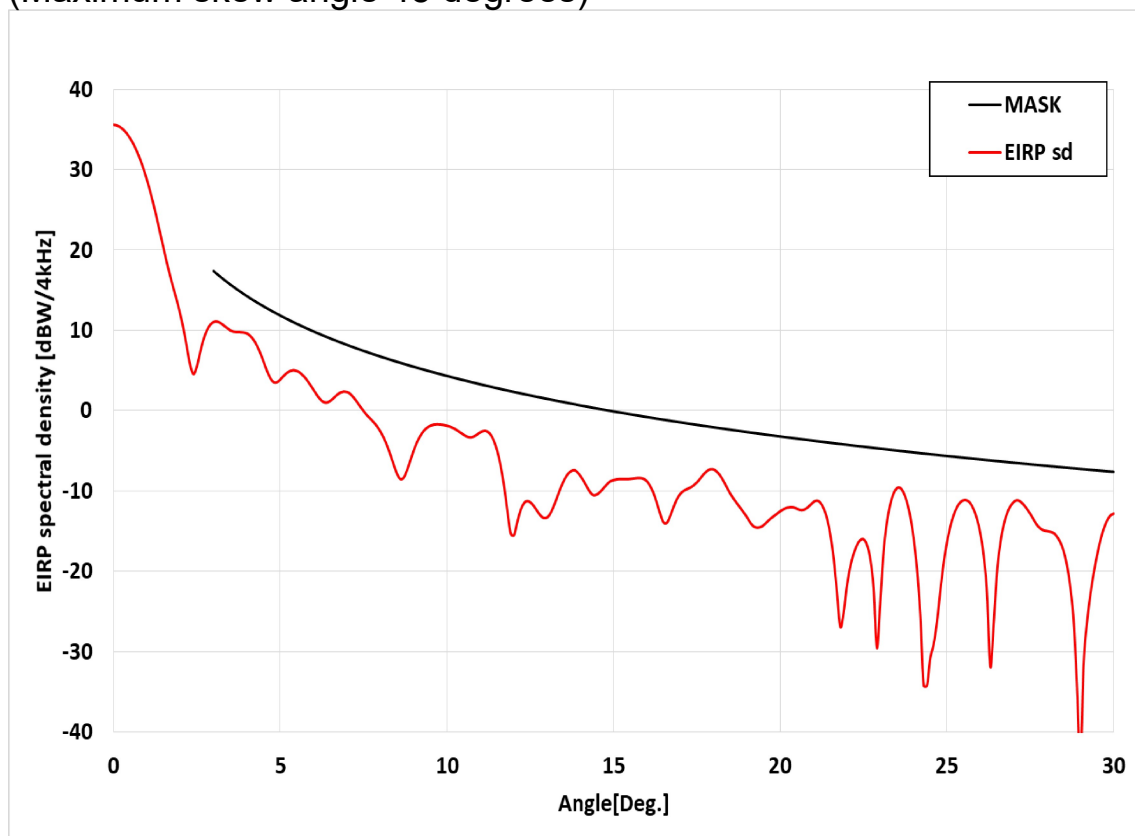
16.4	-6.237	-1.071
16.5	-5.746	-1.137
16.6	-5.537	-1.203
16.7	-5.582	-1.268
16.8	-5.798	-1.333
16.9	-6.059	-1.397
17	-6.449	-1.461
17.1	-6.828	-1.525
17.2	-7.289	-1.588
17.3	-7.892	-1.651
17.4	-8.538	-1.714
17.5	-9.440	-1.776
17.6	-10.336	-1.838
17.7	-11.172	-1.899
17.8	-11.856	-1.961
17.9	-12.076	-2.021
18	-12.165	-2.082
18.1	-11.881	-2.142
18.2	-11.397	-2.202
18.3	-10.792	-2.261
18.4	-9.910	-2.320
18.5	-9.078	-2.379
18.6	-8.217	-2.438
18.7	-7.496	-2.496
18.8	-7.053	-2.554
18.9	-6.780	-2.612
19	-6.863	-2.669
19.1	-7.169	-2.726
19.2	-7.632	-2.783
19.3	-8.283	-2.839
19.4	-8.777	-2.895
19.5	-9.085	-2.951
19.6	-9.094	-3.006
19.7	-8.840	-3.062
19.8	-8.695	-3.117
19.9	-8.623	-3.171
20	-8.836	-3.226
20.1	-9.418	-3.280
20.2	-10.312	-3.334
20.3	-11.763	-3.387
20.4	-13.755	-3.441

20.5	-16.429	-3.494
20.6	-20.068	-3.547
20.7	-23.378	-3.599
20.8	-22.793	-3.652
20.9	-19.917	-3.704
21	-17.644	-3.755
21.1	-16.375	-3.807
21.2	-15.618	-3.858
21.3	-15.474	-3.909
21.4	-15.846	-3.960
21.5	-16.632	-4.011
21.6	-18.045	-4.061
21.7	-20.071	-4.111
21.8	-22.736	-4.161
21.9	-25.857	-4.211
22	-28.135	-4.261
22.1	-27.188	-4.310
22.2	-25.477	-4.359
22.3	-24.364	-4.408
22.4	-23.928	-4.456
22.5	-23.702	-4.505
22.6	-23.641	-4.553
22.7	-23.068	-4.601
22.8	-21.845	-4.648
22.9	-20.526	-4.696
23	-19.014	-4.743
23.1	-17.704	-4.790
23.2	-16.633	-4.837
23.3	-15.708	-4.884
23.4	-15.119	-4.930
23.5	-14.693	-4.977
23.6	-14.373	-5.023
23.7	-14.275	-5.069
23.8	-13.990	-5.114
23.9	-13.509	-5.160
24	-12.774	-5.205
24.1	-11.759	-5.250
24.2	-10.789	-5.295
24.3	-9.918	-5.340
24.4	-9.252	-5.385
24.5	-8.971	-5.429

24.6	-8.995	-5.473
24.7	-9.430	-5.517
24.8	-10.377	-5.561
24.9	-11.847	-5.605
25	-14.047	-5.649
25.1	-17.152	-5.692
25.2	-20.808	-5.735
25.3	-21.524	-5.778
25.4	-19.047	-5.821
25.5	-16.937	-5.864
25.6	-15.894	-5.906
25.7	-15.659	-5.948
25.8	-16.403	-5.990
25.9	-18.029	-6.032
26	-20.191	-6.074
26.1	-21.587	-6.116
26.2	-19.822	-6.158
26.3	-17.100	-6.199
26.4	-15.059	-6.240
26.5	-13.666	-6.281
26.6	-12.980	-6.322
26.7	-12.912	-6.363
26.8	-13.335	-6.403
26.9	-14.411	-6.444
27	-16.160	-6.484
27.1	-18.701	-6.524
27.2	-22.259	-6.564
27.3	-25.951	-6.604
27.4	-25.156	-6.644
27.5	-22.189	-6.683
27.6	-19.913	-6.723
27.7	-18.521	-6.762
27.8	-17.754	-6.801
27.9	-17.356	-6.840
28	-17.195	-6.879
28.1	-17.175	-6.918
28.2	-17.217	-6.956
28.3	-17.193	-6.995
28.4	-17.198	-7.033
28.5	-17.247	-7.071
28.6	-17.364	-7.109

28.7	-17.616	-7.147
28.8	-18.081	-7.185
28.9	-18.812	-7.222
29	-19.800	-7.260
29.1	-21.083	-7.297
29.2	-22.388	-7.335
29.3	-23.054	-7.372
29.4	-22.364	-7.409
29.5	-20.862	-7.446
29.6	-19.365	-7.482
29.7	-18.245	-7.519
29.8	-17.593	-7.555
29.9	-17.493	-7.592
30	-18.121	-7.628

11.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

29.3-25log(θ)	dBW/4kHz	for	$3.0^\circ \leq \theta \leq 48^\circ$
-12.7	dBW/4kHz	for	$48^\circ < \theta \leq 180^\circ$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

12.4. Elevation Pattern for Co-pol (0°~30°) (Maximum skew angle 45 degrees)

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	35.580	
0.1	35.510	
0.2	35.306	
0.3	34.976	
0.4	34.517	
0.5	33.918	
0.6	33.183	
0.7	32.309	
0.8	31.286	
0.9	30.112	
1	28.787	
1.1	27.310	
1.2	25.687	
1.3	23.935	
1.4	22.098	
1.5	20.243	
1.6	18.442	
1.7	16.759	
1.8	15.205	
1.9	13.682	
2	12.044	
2.1	10.139	
2.2	7.907	
2.3	5.639	
2.4	4.537	
2.5	5.490	
2.6	7.277	
2.7	8.861	
2.8	9.981	
2.9	10.678	
3	11.032	17.372
3.1	11.091	17.016
3.2	10.918	16.671
3.3	10.624	16.337
3.4	10.292	16.013
3.5	9.996	15.698
3.6	9.820	15.392
3.7	9.768	15.095
3.8	9.760	14.805
3.9	9.728	14.523
4	9.600	14.249

4.1	9.304	13.980
4.2	8.795	13.719
4.3	8.076	13.463
4.4	7.155	13.214
4.5	6.067	12.970
4.6	4.954	12.731
4.7	4.038	12.498
4.8	3.537	12.269
4.9	3.528	12.045
5	3.873	11.826
5.1	4.324	11.611
5.2	4.697	11.400
5.3	4.941	11.193
5.4	5.024	10.990
5.5	4.920	10.791
5.6	4.667	10.595
5.7	4.286	10.403
5.8	3.779	10.214
5.9	3.179	10.029
6	2.541	9.846
6.1	1.917	9.667
6.2	1.381	9.490
6.3	1.061	9.316
6.4	1.015	9.146
6.5	1.217	8.977
6.6	1.577	8.811
6.7	1.961	8.648
6.8	2.249	8.487
6.9	2.373	8.329
7	2.311	8.173
7.1	2.052	8.019
7.2	1.606	7.867
7.3	1.054	7.717
7.4	0.467	7.569
7.5	-0.100	7.423
7.6	-0.599	7.280
7.7	-1.034	7.138
7.8	-1.469	6.998
7.9	-1.985	6.859
8	-2.620	6.723
8.1	-3.418	6.588

8.2	-4.396	6.455
8.3	-5.542	6.323
8.4	-6.786	6.193
8.5	-7.915	6.065
8.6	-8.537	5.938
8.7	-8.311	5.812
8.8	-7.376	5.688
8.9	-6.129	5.565
9	-4.910	5.444
9.1	-3.882	5.324
9.2	-3.085	5.205
9.3	-2.505	5.088
9.4	-2.115	4.972
9.5	-1.871	4.857
9.6	-1.748	4.743
9.7	-1.714	4.631
9.8	-1.738	4.519
9.9	-1.798	4.409
10	-1.897	4.300
10.1	-2.037	4.192
10.2	-2.223	4.085
10.3	-2.469	3.979
10.4	-2.753	3.874
10.5	-3.035	3.770
10.6	-3.257	3.667
10.7	-3.342	3.565
10.8	-3.223	3.464
10.9	-2.953	3.364
11	-2.685	3.265
11.1	-2.528	3.167
11.2	-2.607	3.070
11.3	-3.008	2.973
11.4	-3.815	2.877
11.5	-5.079	2.783
11.6	-6.900	2.689
11.7	-9.384	2.595
11.8	-12.503	2.503
11.9	-15.310	2.411
12	-15.502	2.320
12.1	-13.825	2.230
12.2	-12.350	2.141

12.3	-11.518	2.052
12.4	-11.268	1.964
12.5	-11.463	1.877
12.6	-11.935	1.791
12.7	-12.542	1.705
12.8	-13.097	1.620
12.9	-13.382	1.535
13	-13.267	1.451
13.1	-12.707	1.368
13.2	-11.767	1.286
13.3	-10.656	1.204
13.4	-9.568	1.122
13.5	-8.640	1.042
13.6	-7.964	0.962
13.7	-7.553	0.882
13.8	-7.418	0.803
13.9	-7.621	0.725
14	-8.087	0.647
14.1	-8.733	0.570
14.2	-9.471	0.493
14.3	-10.173	0.417
14.4	-10.536	0.341
14.5	-10.442	0.266
14.6	-10.118	0.191
14.7	-9.667	0.117
14.8	-9.191	0.043
14.9	-8.824	-0.030
15	-8.659	-0.102
15.1	-8.564	-0.174
15.2	-8.518	-0.246
15.3	-8.541	-0.317
15.4	-8.545	-0.388
15.5	-8.505	-0.458
15.6	-8.453	-0.528
15.7	-8.405	-0.597
15.8	-8.393	-0.666
15.9	-8.486	-0.735
16	-8.794	-0.803
16.1	-9.387	-0.871
16.2	-10.281	-0.938
16.3	-11.492	-1.005

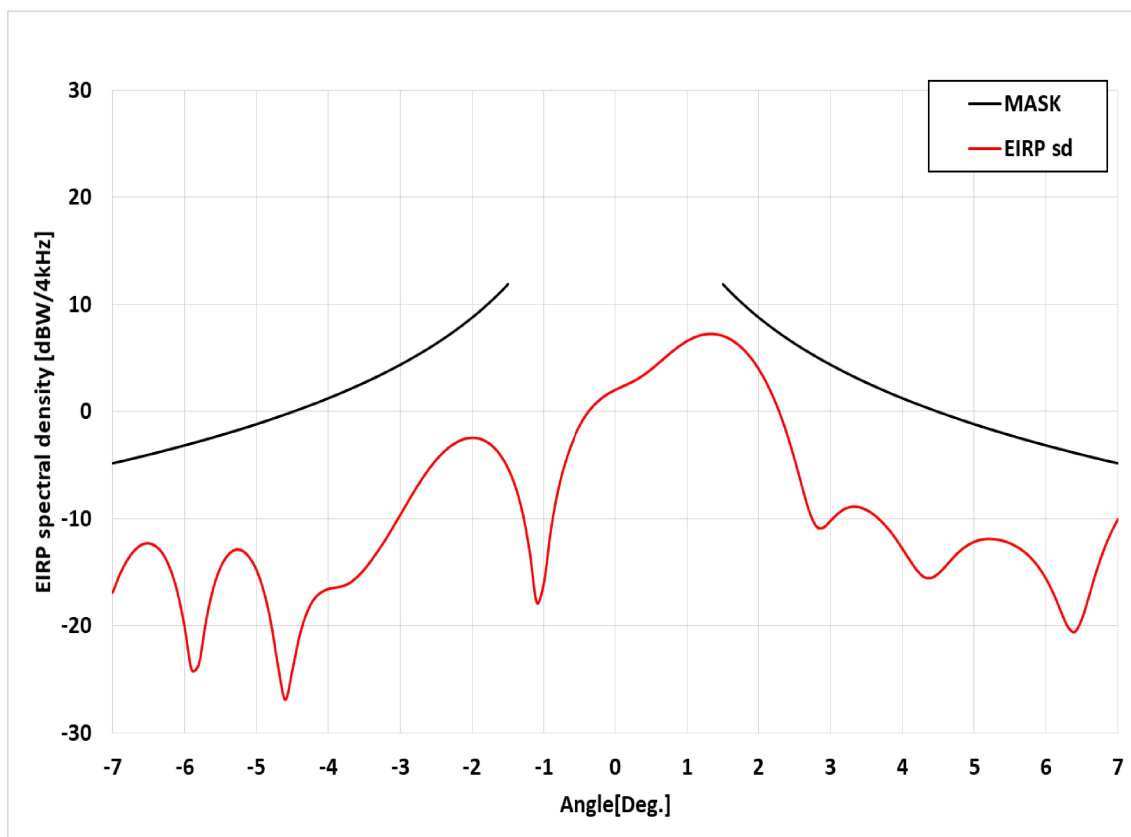
16.4	-12.853	-1.071
16.5	-13.910	-1.137
16.6	-13.960	-1.203
16.7	-13.122	-1.268
16.8	-12.016	-1.333
16.9	-11.043	-1.397
17	-10.388	-1.461
17.1	-10.000	-1.525
17.2	-9.780	-1.588
17.3	-9.588	-1.651
17.4	-9.324	-1.714
17.5	-8.946	-1.776
17.6	-8.456	-1.838
17.7	-7.948	-1.899
17.8	-7.537	-1.961
17.9	-7.302	-2.021
18	-7.325	-2.082
18.1	-7.610	-2.142
18.2	-8.111	-2.202
18.3	-8.782	-2.261
18.4	-9.576	-2.320
18.5	-10.329	-2.379
18.6	-10.970	-2.438
18.7	-11.538	-2.496
18.8	-12.100	-2.554
18.9	-12.667	-2.612
19	-13.248	-2.669
19.1	-13.938	-2.726
19.2	-14.411	-2.783
19.3	-14.565	-2.839
19.4	-14.509	-2.895
19.5	-14.274	-2.951
19.6	-13.873	-3.006
19.7	-13.480	-3.062
19.8	-13.151	-3.117
19.9	-12.851	-3.171
20	-12.537	-3.226
20.1	-12.280	-3.280
20.2	-12.102	-3.334
20.3	-12.021	-3.387
20.4	-12.052	-3.441

20.5	-12.223	-3.494
20.6	-12.372	-3.547
20.7	-12.356	-3.599
20.8	-12.134	-3.652
20.9	-11.761	-3.704
21	-11.380	-3.755
21.1	-11.201	-3.807
21.2	-11.460	-3.858
21.3	-12.160	-3.909
21.4	-13.397	-3.960
21.5	-15.403	-4.011
21.6	-18.397	-4.061
21.7	-22.640	-4.111
21.8	-26.918	-4.161
21.9	-25.165	-4.211
22	-21.780	-4.261
22.1	-19.424	-4.310
22.2	-17.831	-4.359
22.3	-16.745	-4.408
22.4	-16.119	-4.456
22.5	-16.024	-4.505
22.6	-16.712	-4.553
22.7	-18.455	-4.601
22.8	-22.166	-4.648
22.9	-29.569	-4.696
23	-23.797	-4.743
23.1	-17.481	-4.790
23.2	-13.866	-4.837
23.3	-11.655	-4.884
23.4	-10.317	-4.930
23.5	-9.650	-4.977
23.6	-9.625	-5.023
23.7	-10.234	-5.069
23.8	-11.407	-5.114
23.9	-13.216	-5.160
24	-15.880	-5.205
24.1	-19.732	-5.250
24.2	-25.450	-5.295
24.3	-34.217	-5.340
24.4	-34.257	-5.385
24.5	-30.800	-5.429

24.6	-29.089	-5.473
24.7	-26.327	-5.517
24.8	-22.437	-5.561
24.9	-19.008	-5.605
25	-16.391	-5.649
25.1	-14.453	-5.692
25.2	-13.024	-5.735
25.3	-12.018	-5.778
25.4	-11.418	-5.821
25.5	-11.151	-5.864
25.6	-11.188	-5.906
25.7	-11.548	-5.948
25.8	-12.314	-5.990
25.9	-13.515	-6.032
26	-15.299	-6.074
26.1	-18.072	-6.116
26.2	-22.779	-6.158
26.3	-31.886	-6.199
26.4	-26.597	-6.240
26.5	-20.076	-6.281
26.6	-16.480	-6.322
26.7	-14.238	-6.363
26.8	-12.806	-6.403
26.9	-11.910	-6.444
27	-11.383	-6.484
27.1	-11.157	-6.524
27.2	-11.327	-6.564
27.3	-11.727	-6.604
27.4	-12.259	-6.644
27.5	-12.866	-6.683
27.6	-13.579	-6.723
27.7	-14.236	-6.762
27.8	-14.677	-6.801
27.9	-14.907	-6.840
28	-14.993	-6.879
28.1	-15.091	-6.918
28.2	-15.252	-6.956
28.3	-15.690	-6.995
28.4	-16.418	-7.033
28.5	-17.527	-7.071
28.6	-19.319	-7.109

28.7	-22.037	-7.147
28.8	-26.245	-7.185
28.9	-34.439	-7.222
29	-43.852	-7.260
29.1	-31.360	-7.297
29.2	-26.327	-7.335
29.3	-22.888	-7.372
29.4	-20.241	-7.409
29.5	-17.987	-7.446
29.6	-16.140	-7.482
29.7	-14.708	-7.519
29.8	-13.694	-7.555
29.9	-13.066	-7.592
30	-12.828	-7.628

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



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

$$16.3-25\log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

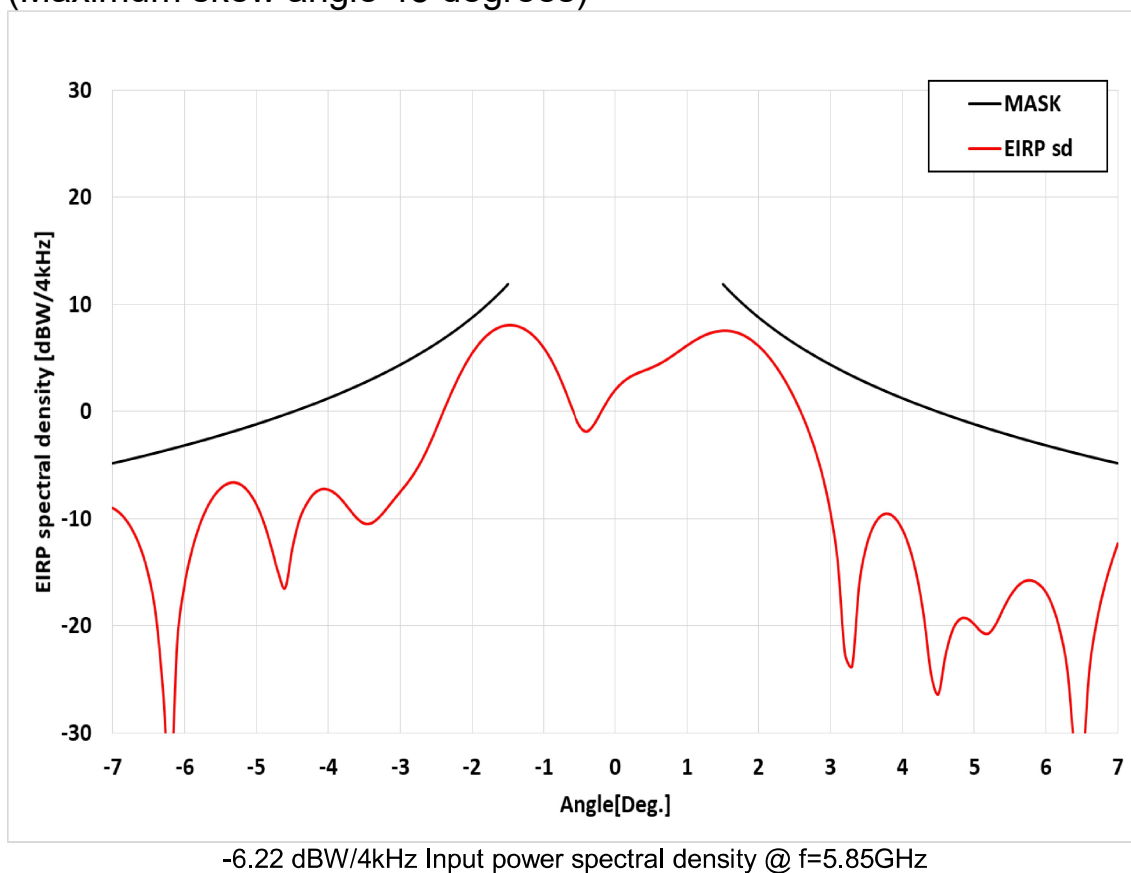
F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-16.890	-4.827
-6.9	-15.193	-4.671
-6.8	-13.888	-4.513
-6.7	-12.980	-4.352
-6.6	-12.430	-4.189
-6.5	-12.287	-4.023
-6.4	-12.574	-3.854
-6.3	-13.300	-3.684
-6.2	-14.682	-3.510
-6.1	-16.825	-3.333
-6	-20.055	-3.154
-5.9	-24.130	-2.971
-5.8	-23.556	-2.786
-5.7	-19.505	-2.597
-5.6	-16.484	-2.405
-5.5	-14.534	-2.209
-5.4	-13.432	-2.010
-5.3	-12.907	-1.807
-5.2	-12.973	-1.600
-5.1	-13.599	-1.389
-5	-14.778	-1.174
-4.9	-16.734	-0.955
-4.8	-19.632	-0.731
-4.7	-23.711	-0.502
-4.6	-26.889	-0.269
-4.5	-24.131	-0.030
-4.4	-20.923	0.214
-4.3	-18.795	0.463
-4.2	-17.514	0.719
-4.1	-16.883	0.980
-4	-16.559	1.249
-3.9	-16.429	1.523
-3.8	-16.291	1.805
-3.7	-15.988	2.095
-3.6	-15.447	2.392
-3.5	-14.737	2.698
-3.4	-13.875	3.013
-3.3	-12.914	3.337
-3.2	-11.897	3.671
-3.1	-10.787	4.016
-3	-9.643	4.372

-2.9	-8.490	4.740
-2.8	-7.362	5.121
-2.7	-6.305	5.516
-2.6	-5.346	5.926
-2.5	-4.503	6.351
-2.4	-3.792	6.795
-2.3	-3.225	7.257
-2.2	-2.802	7.739
-2.1	-2.538	8.245
-2	-2.439	8.774
-1.9	-2.520	9.331
-1.8	-2.808	9.918
-1.7	-3.324	10.539
-1.6	-4.130	11.197
-1.5	-5.301	11.898
-1.4	-6.958	
-1.3	-9.404	
-1.2	-13.052	
-1.1	-17.826	
-1	-15.930	
-0.9	-10.832	
-0.8	-7.239	
-0.7	-4.685	
-0.6	-2.795	
-0.5	-1.361	
-0.4	-0.259	
-0.3	0.567	
-0.2	1.192	
-0.1	1.668	
-7.09655E-13	2.022	
0.1	2.336	
0.2	2.644	
0.3	2.997	
0.4	3.430	
0.5	3.933	
0.6	4.496	
0.7	5.079	
0.8	5.643	
0.9	6.157	
1	6.588	
1.1	6.923	

1.2	7.149	
1.3	7.250	
1.4	7.229	
1.5	7.068	11.898
1.6	6.767	11.197
1.7	6.320	10.539
1.8	5.705	9.918
1.9	4.924	9.331
2	3.954	8.774
2.1	2.776	8.245
2.2	1.369	7.739
2.3	-0.296	7.257
2.4	-2.250	6.795
2.5	-4.494	6.351
2.6	-6.951	5.926
2.7	-9.267	5.516
2.8	-10.707	5.121
2.9	-10.827	4.740
3	-10.181	4.372
3.1	-9.532	4.016
3.2	-9.064	3.671
3.3	-8.872	3.337
3.4	-8.928	3.013
3.5	-9.177	2.698
3.6	-9.608	2.392
3.7	-10.202	2.095
3.8	-10.931	1.805
3.9	-11.800	1.523
4	-12.812	1.249
4.1	-13.835	0.980
4.2	-14.794	0.719
4.3	-15.443	0.463
4.4	-15.534	0.214
4.5	-15.125	-0.030
4.6	-14.437	-0.269
4.7	-13.685	-0.502
4.8	-13.009	-0.731
4.9	-12.510	-0.955
5	-12.151	-1.174
5.1	-11.944	-1.389
5.2	-11.874	-1.600

5.3	-11.916	-1.807
5.4	-12.053	-2.010
5.5	-12.293	-2.209
5.6	-12.638	-2.405
5.7	-13.106	-2.597
5.8	-13.726	-2.786
5.9	-14.552	-2.971
6	-15.609	-3.154
6.1	-16.935	-3.333
6.2	-18.529	-3.510
6.3	-20.051	-3.684
6.4	-20.562	-3.854
6.5	-19.341	-4.023
6.6	-17.194	-4.189
6.7	-14.931	-4.352
6.8	-12.988	-4.513
6.9	-11.373	-4.671
7	-10.054	-4.827

3.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°) (Maximum skew angle 45 degrees)



▪ FCC EIRP spectral density regulation

$$16.3-25\log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

4.3. Azimuth Pattern for Cross-pol (-7°~7°) (Maximum skew angle 45 degrees)

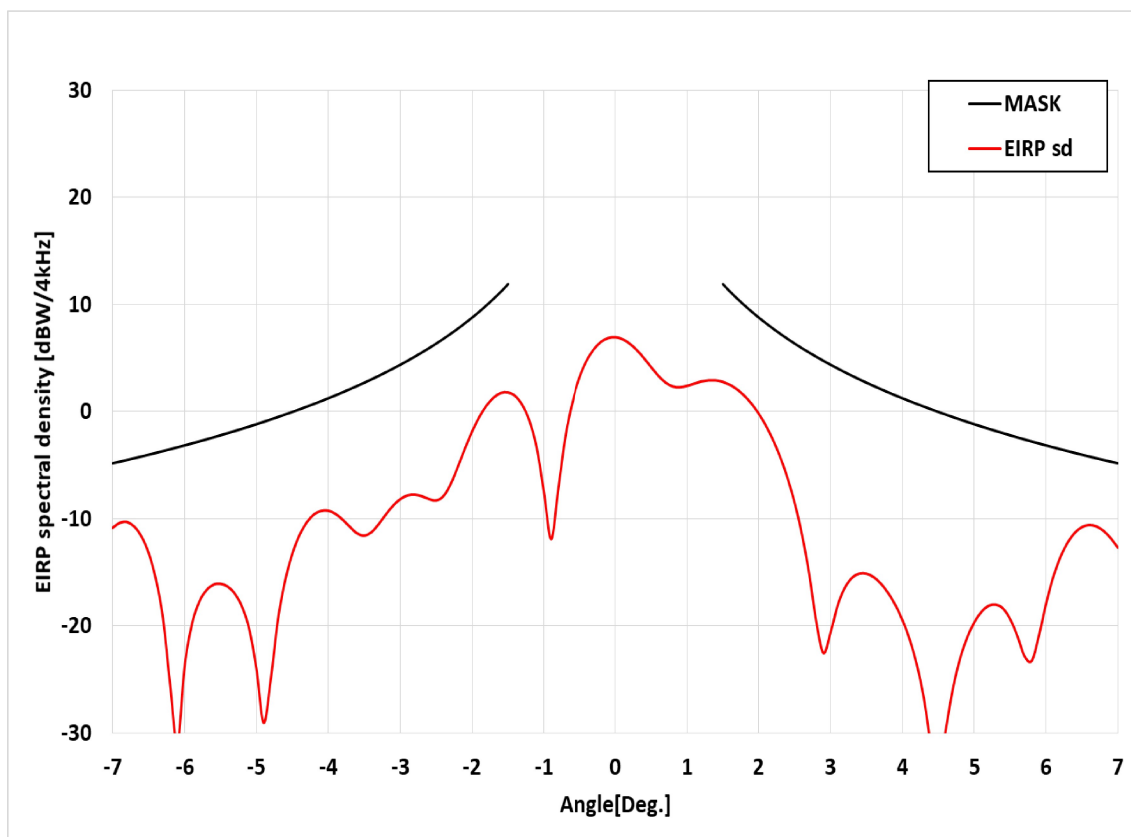
F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-8.995	-4.827
-6.9	-9.466	-4.671
-6.8	-10.243	-4.513
-6.7	-11.377	-4.352
-6.6	-12.981	-4.189
-6.5	-15.323	-4.023
-6.4	-18.968	-3.854
-6.3	-25.995	-3.684
-6.2	-35.254	-3.510
-6.1	-21.361	-3.333
-6	-16.190	-3.154
-5.9	-13.026	-2.971
-5.8	-10.794	-2.786
-5.7	-9.143	-2.597
-5.6	-7.960	-2.405
-5.5	-7.169	-2.209
-5.4	-6.723	-2.010
-5.3	-6.620	-1.807
-5.2	-6.893	-1.600
-5.1	-7.564	-1.389
-5	-8.685	-1.174
-4.9	-10.302	-0.955
-4.8	-12.471	-0.731
-4.7	-14.936	-0.502
-4.6	-16.451	-0.269
-4.5	-12.748	-0.030
-4.4	-10.059	0.214
-4.3	-8.594	0.463
-4.2	-7.658	0.719
-4.1	-7.255	0.980
-4	-7.286	1.249
-3.9	-7.666	1.523
-3.8	-8.334	1.805
-3.7	-9.176	2.095
-3.6	-9.971	2.392
-3.5	-10.446	2.698
-3.4	-10.415	3.013
-3.3	-9.908	3.337
-3.2	-9.148	3.671
-3.1	-8.310	4.016
-3	-7.491	4.372

-2.9	-6.656	4.740
-2.8	-5.702	5.121
-2.7	-4.540	5.516
-2.6	-3.163	5.926
-2.5	-1.608	6.351
-2.4	0.016	6.795
-2.3	1.593	7.257
-2.2	3.049	7.739
-2.1	4.343	8.245
-2	5.452	8.774
-1.9	6.365	9.331
-1.8	7.079	9.918
-1.7	7.596	10.539
-1.6	7.927	11.197
-1.5	8.070	11.898
-1.4	8.027	
-1.3	7.799	
-1.2	7.382	
-1.1	6.763	
-1	5.917	
-0.9	4.833	
-0.8	3.481	
-0.7	1.876	
-0.6	0.140	
-0.5	-1.326	
-0.4	-1.866	
-0.3	-1.250	
-0.2	-0.078	
-0.1	1.080	
-7.09655E-13	2.026	
0.1	2.720	
0.2	3.211	
0.3	3.552	
0.4	3.822	
0.5	4.082	
0.6	4.392	
0.7	4.776	
0.8	5.217	
0.9	5.695	
1	6.169	
1.1	6.608	

1.2	6.979	
1.3	7.274	
1.4	7.464	
1.5	7.549	11.898
1.6	7.520	11.197
1.7	7.368	10.539
1.8	7.083	9.918
1.9	6.664	9.331
2	6.111	8.774
2.1	5.417	8.245
2.2	4.582	7.739
2.3	3.605	7.257
2.4	2.482	6.795
2.5	1.204	6.351
2.6	-0.255	5.926
2.7	-1.936	5.516
2.8	-3.918	5.121
2.9	-6.346	4.740
3	-9.520	4.372
3.1	-14.126	4.016
3.2	-22.584	3.671
3.3	-23.745	3.337
3.4	-16.057	3.013
3.5	-12.533	2.698
3.6	-10.657	2.392
3.7	-9.744	2.095
3.8	-9.534	1.805
3.9	-9.967	1.523
4	-11.017	1.249
4.1	-12.753	0.980
4.2	-15.342	0.719
4.3	-19.191	0.463
4.4	-24.551	0.214
4.5	-26.377	-0.030
4.6	-22.739	-0.269
4.7	-20.368	-0.502
4.8	-19.375	-0.731
4.9	-19.312	-0.955
5	-19.854	-1.174
5.1	-20.556	-1.389
5.2	-20.714	-1.600

5.3	-19.847	-1.807
5.4	-18.462	-2.010
5.5	-17.225	-2.209
5.6	-16.322	-2.405
5.7	-15.831	-2.597
5.8	-15.768	-2.786
5.9	-16.116	-2.971
6	-16.883	-3.154
6.1	-18.327	-3.333
6.2	-20.619	-3.510
6.3	-24.311	-3.684
6.4	-31.621	-3.854
6.5	-33.341	-4.023
6.6	-24.392	-4.189
6.7	-19.805	-4.352
6.8	-16.729	-4.513
6.9	-14.326	-4.671
7	-12.297	-4.827

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



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

$$16.3 - 25 \log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

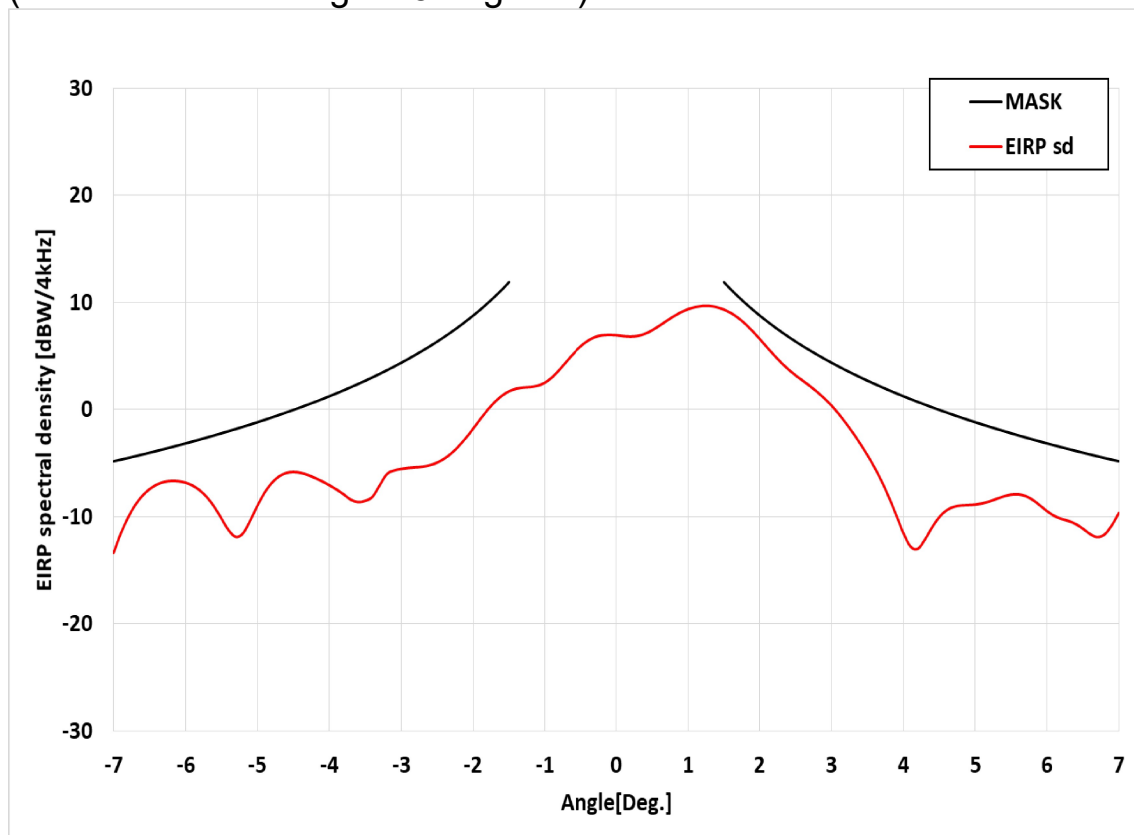
F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-10.840	-4.827
-6.9	-10.383	-4.671
-6.8	-10.305	-4.513
-6.7	-10.729	-4.352
-6.6	-11.654	-4.189
-6.5	-13.195	-4.023
-6.4	-15.608	-3.854
-6.3	-19.312	-3.684
-6.2	-25.566	-3.510
-6.1	-31.089	-3.333
-6	-23.855	-3.154
-5.9	-19.924	-2.971
-5.8	-17.818	-2.786
-5.7	-16.706	-2.597
-5.6	-16.161	-2.405
-5.5	-16.073	-2.209
-5.4	-16.331	-2.010
-5.3	-17.007	-1.807
-5.2	-18.230	-1.600
-5.1	-20.315	-1.389
-5	-24.029	-1.174
-4.9	-29.038	-0.955
-4.8	-24.974	-0.731
-4.7	-19.386	-0.502
-4.6	-15.745	-0.269
-4.5	-13.251	-0.030
-4.4	-11.513	0.214
-4.3	-10.336	0.463
-4.2	-9.591	0.719
-4.1	-9.259	0.980
-4	-9.247	1.249
-3.9	-9.549	1.523
-3.8	-10.095	1.805
-3.7	-10.758	2.095
-3.6	-11.362	2.392
-3.5	-11.574	2.698
-3.4	-11.254	3.013
-3.3	-10.501	3.337
-3.2	-9.594	3.671
-3.1	-8.776	4.016
-3	-8.169	4.372

-2.9	-7.818	4.740
-2.8	-7.740	5.121
-2.7	-7.896	5.516
-2.6	-8.160	5.926
-2.5	-8.289	6.351
-2.4	-7.891	6.795
-2.3	-6.783	7.257
-2.2	-5.172	7.739
-2.1	-3.447	8.245
-2	-1.847	8.774
-1.9	-0.492	9.331
-1.8	0.567	9.918
-1.7	1.318	10.539
-1.6	1.743	11.197
-1.5	1.791	11.898
-1.4	1.453	
-1.3	0.585	
-1.2	-0.926	
-1.1	-3.429	
-1	-7.584	
-0.9	-11.900	
-0.8	-7.129	
-0.7	-2.259	
-0.6	0.947	
-0.5	3.170	
-0.4	4.730	
-0.3	5.805	
-0.2	6.507	
-0.1	6.862	
-7.09655E-13	6.949	
0.1	6.765	
0.2	6.357	
0.3	5.752	
0.4	4.990	
0.5	4.158	
0.6	3.352	
0.7	2.719	
0.8	2.352	
0.9	2.274	
1	2.404	
1.1	2.612	

1.2	2.816	
1.3	2.921	
1.4	2.918	
1.5	2.777	11.898
1.6	2.492	11.197
1.7	2.060	10.539
1.8	1.471	9.918
1.9	0.720	9.331
2	-0.206	8.774
2.1	-1.330	8.245
2.2	-2.673	7.739
2.3	-4.280	7.257
2.4	-6.210	6.795
2.5	-8.542	6.351
2.6	-11.451	5.926
2.7	-15.091	5.516
2.8	-19.599	5.121
2.9	-22.544	4.740
3	-20.582	4.372
3.1	-18.040	4.016
3.2	-16.425	3.671
3.3	-15.503	3.337
3.4	-15.120	3.013
3.5	-15.131	2.698
3.6	-15.455	2.392
3.7	-16.058	2.095
3.8	-16.921	1.805
3.9	-18.036	1.523
4	-19.466	1.249
4.1	-21.270	0.980
4.2	-23.621	0.719
4.3	-26.819	0.463
4.4	-31.200	0.214
4.5	-33.867	-0.030
4.6	-29.839	-0.269
4.7	-25.947	-0.502
4.8	-23.125	-0.731
4.9	-21.116	-0.955
5	-19.673	-1.174
5.1	-18.679	-1.389
5.2	-18.118	-1.600

5.3	-18.021	-1.807
5.4	-18.378	-2.010
5.5	-19.358	-2.209
5.6	-20.933	-2.405
5.7	-22.824	-2.597
5.8	-23.271	-2.786
5.9	-20.929	-2.971
6	-17.936	-3.154
6.1	-15.446	-3.333
6.2	-13.580	-3.510
6.3	-12.224	-3.684
6.4	-11.306	-3.854
6.5	-10.784	-4.023
6.6	-10.579	-4.189
6.7	-10.717	-4.352
6.8	-11.129	-4.513
6.9	-11.806	-4.671
7	-12.701	-4.827

11.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

$$16.3 - 25 \log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

12.3. Azimuth Pattern for Cross-pol (-7°~7°) (Maximum skew angle 45 degrees)

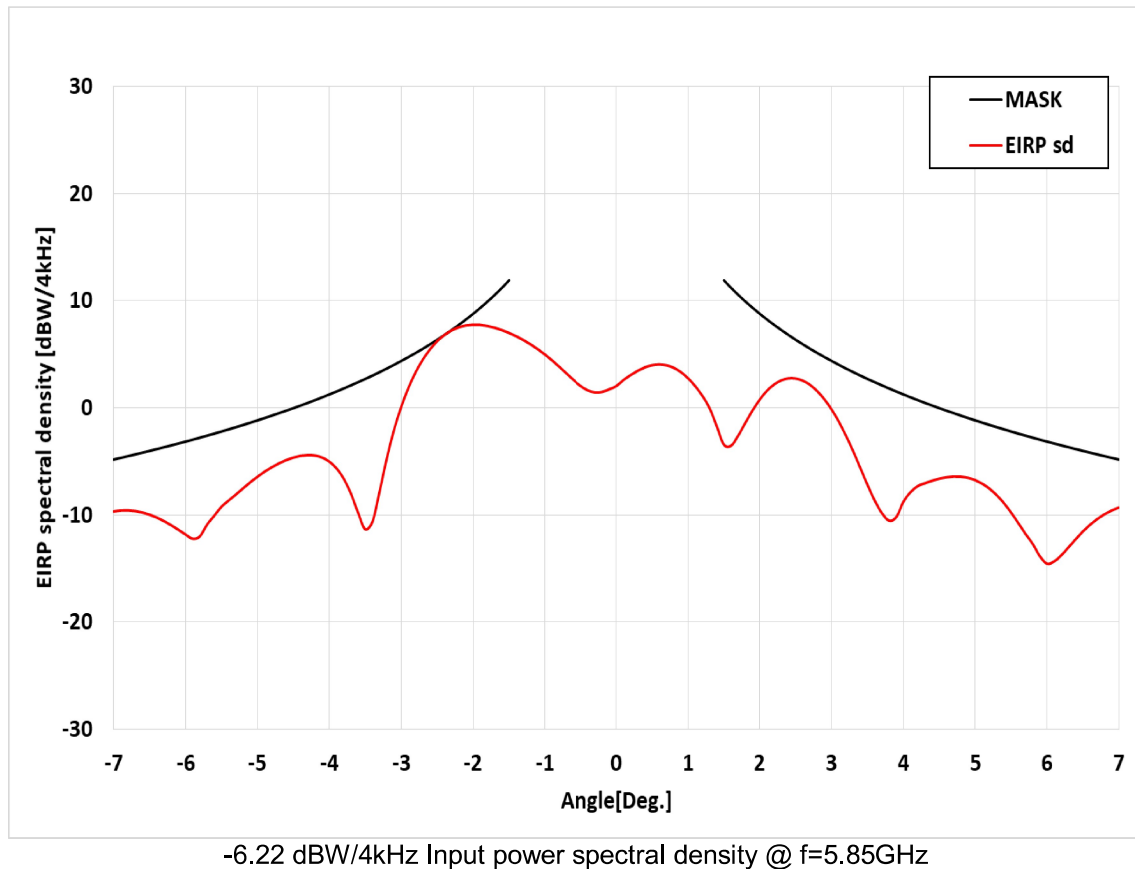
F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-13.352	-4.827
-6.9	-11.551	-4.671
-6.8	-10.070	-4.513
-6.7	-8.902	-4.352
-6.6	-8.034	-4.189
-6.5	-7.418	-4.023
-6.4	-6.999	-3.854
-6.3	-6.750	-3.684
-6.2	-6.656	-3.510
-6.1	-6.681	-3.333
-6	-6.818	-3.154
-5.9	-7.099	-2.971
-5.8	-7.547	-2.786
-5.7	-8.195	-2.597
-5.6	-9.082	-2.405
-5.5	-10.178	-2.209
-5.4	-11.264	-2.010
-5.3	-11.883	-1.807
-5.2	-11.536	-1.600
-5.1	-10.350	-1.389
-5	-8.957	-1.174
-4.9	-7.747	-0.955
-4.8	-6.838	-0.731
-4.7	-6.237	-0.502
-4.6	-5.913	-0.269
-4.5	-5.820	-0.030
-4.4	-5.897	0.214
-4.3	-6.099	0.463
-4.2	-6.376	0.719
-4.1	-6.694	0.980
-4	-7.054	1.249
-3.9	-7.457	1.523
-3.8	-7.908	1.805
-3.7	-8.407	2.095
-3.6	-8.630	2.392
-3.5	-8.511	2.698
-3.4	-8.138	3.013
-3.3	-7.066	3.337
-3.2	-6.017	3.671
-3.1	-5.684	4.016
-3	-5.538	4.372

-2.9	-5.442	4.740
-2.8	-5.389	5.121
-2.7	-5.325	5.516
-2.6	-5.190	5.926
-2.5	-4.943	6.351
-2.4	-4.572	6.795
-2.3	-4.059	7.257
-2.2	-3.407	7.739
-2.1	-2.644	8.245
-2	-1.777	8.774
-1.9	-0.884	9.331
-1.8	-0.036	9.918
-1.7	0.707	10.539
-1.6	1.298	11.197
-1.5	1.710	11.898
-1.4	1.956	
-1.3	2.063	
-1.2	2.119	
-1.1	2.238	
-1	2.522	
-0.9	3.028	
-0.8	3.715	
-0.7	4.490	
-0.6	5.246	
-0.5	5.896	
-0.4	6.408	
-0.3	6.763	
-0.2	6.940	
-0.1	6.992	
-7.09655E-13	6.949	
0.1	6.865	
0.2	6.819	
0.3	6.880	
0.4	7.079	
0.5	7.405	
0.6	7.824	
0.7	8.277	
0.8	8.707	
0.9	9.085	
1	9.379	
1.1	9.577	

1.2	9.677	
1.3	9.675	
1.4	9.564	
1.5	9.340	11.898
1.6	9.003	11.197
1.7	8.552	10.539
1.8	7.984	9.918
1.9	7.322	9.331
2	6.590	8.774
2.1	5.822	8.245
2.2	5.072	7.739
2.3	4.368	7.257
2.4	3.741	6.795
2.5	3.192	6.351
2.6	2.691	5.926
2.7	2.190	5.516
2.8	1.648	5.121
2.9	1.047	4.740
3	0.371	4.372
3.1	-0.406	4.016
3.2	-1.265	3.671
3.3	-2.194	3.337
3.4	-3.190	3.013
3.5	-4.258	2.698
3.6	-5.432	2.392
3.7	-6.740	2.095
3.8	-8.208	1.805
3.9	-9.859	1.523
4	-11.537	1.249
4.1	-12.789	0.980
4.2	-12.992	0.719
4.3	-12.115	0.463
4.4	-10.984	0.214
4.5	-10.030	-0.030
4.6	-9.401	-0.269
4.7	-9.071	-0.502
4.8	-8.946	-0.731
4.9	-8.912	-0.955
5	-8.861	-1.174
5.1	-8.751	-1.389
5.2	-8.564	-1.600

5.3	-8.318	-1.807
5.4	-8.090	-2.010
5.5	-7.932	-2.209
5.6	-7.908	-2.405
5.7	-8.066	-2.597
5.8	-8.422	-2.786
5.9	-8.932	-2.971
6	-9.478	-3.154
6.1	-9.922	-3.333
6.2	-10.204	-3.510
6.3	-10.398	-3.684
6.4	-10.688	-3.854
6.5	-11.118	-4.023
6.6	-11.620	-4.189
6.7	-11.898	-4.352
6.8	-11.658	-4.513
6.9	-10.826	-4.671
7	-9.643	-4.827

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



▪ FCC EIRP spectral density regulation

$$16.3 - 25 \log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

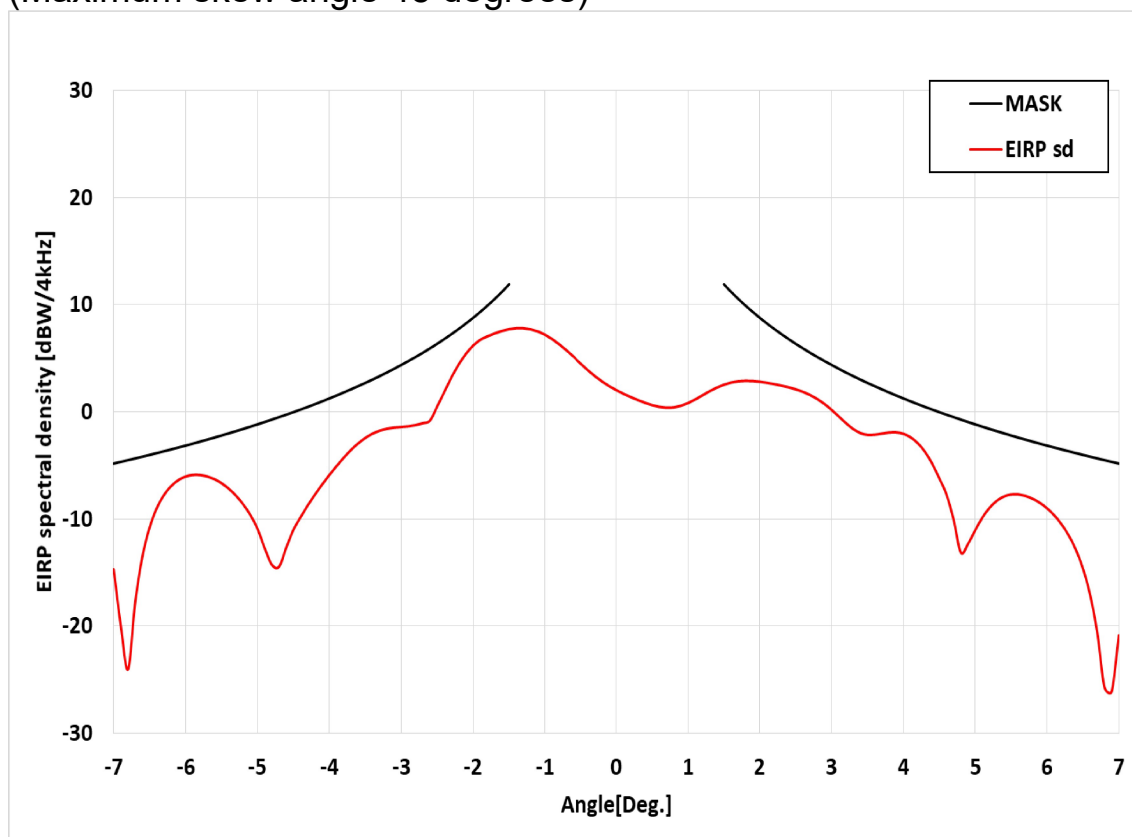
F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-9.676	-4.827
-6.9	-9.590	-4.671
-6.8	-9.579	-4.513
-6.7	-9.640	-4.352
-6.6	-9.771	-4.189
-6.5	-9.976	-4.023
-6.4	-10.242	-3.854
-6.3	-10.572	-3.684
-6.2	-10.966	-3.510
-6.1	-11.384	-3.333
-6	-11.829	-3.154
-5.9	-12.224	-2.971
-5.8	-11.996	-2.786
-5.7	-10.896	-2.597
-5.6	-10.068	-2.405
-5.5	-9.230	-2.209
-5.4	-8.648	-2.010
-5.3	-8.090	-1.807
-5.2	-7.509	-1.600
-5.1	-6.953	-1.389
-5	-6.433	-1.174
-4.9	-5.962	-0.955
-4.8	-5.548	-0.731
-4.7	-5.181	-0.502
-4.6	-4.879	-0.269
-4.5	-4.642	-0.030
-4.4	-4.479	0.214
-4.3	-4.412	0.463
-4.2	-4.455	0.719
-4.1	-4.645	0.980
-4	-5.026	1.249
-3.9	-5.657	1.523
-3.8	-6.613	1.805
-3.7	-8.005	2.095
-3.6	-9.802	2.392
-3.5	-11.344	2.698
-3.4	-10.635	3.013
-3.3	-7.769	3.337
-3.2	-4.685	3.671
-3.1	-2.054	4.016
-3	0.100	4.372

-2.9	1.870	4.740
-2.8	3.322	5.121
-2.7	4.504	5.516
-2.6	5.457	5.926
-2.5	6.219	6.351
-2.4	6.795	6.795
-2.3	7.224	7.257
-2.2	7.517	7.739
-2.1	7.685	8.245
-2	7.754	8.774
-1.9	7.732	9.331
-1.8	7.633	9.918
-1.7	7.471	10.539
-1.6	7.255	11.197
-1.5	6.988	11.898
-1.4	6.679	
-1.3	6.325	
-1.2	5.921	
-1.1	5.472	
-1	4.970	
-0.9	4.416	
-0.8	3.820	
-0.7	3.205	
-0.6	2.590	
-0.5	2.049	
-0.4	1.644	
-0.3	1.437	
-0.2	1.476	
-0.1	1.723	
0	2.022	
0.1	2.591	
0.2	3.055	
0.3	3.462	
0.4	3.778	
0.5	3.979	
0.6	4.047	
0.7	3.970	
0.8	3.740	
0.9	3.339	
1	2.764	
1.1	2.022	

1.2	1.118	
1.3	-0.031	
1.4	-1.722	
1.5	-3.434	11.898
1.6	-3.536	11.197
1.7	-2.576	10.539
1.8	-1.384	9.918
1.9	-0.221	9.331
2	0.782	8.774
2.1	1.593	8.245
2.2	2.182	7.739
2.3	2.566	7.257
2.4	2.754	6.795
2.5	2.733	6.351
2.6	2.530	5.926
2.7	2.136	5.516
2.8	1.551	5.121
2.9	0.787	4.740
3	-0.164	4.372
3.1	-1.298	4.016
3.2	-2.602	3.671
3.3	-4.052	3.337
3.4	-5.627	3.013
3.5	-7.199	2.698
3.6	-8.660	2.392
3.7	-9.828	2.095
3.8	-10.528	1.805
3.9	-10.204	1.523
4	-8.765	1.249
4.1	-7.861	0.980
4.2	-7.300	0.719
4.3	-7.039	0.463
4.4	-6.804	0.214
4.5	-6.614	-0.030
4.6	-6.480	-0.269
4.7	-6.411	-0.502
4.8	-6.429	-0.731
4.9	-6.538	-0.955
5	-6.754	-1.174
5.1	-7.095	-1.389
5.2	-7.556	-1.600

5.3	-8.164	-1.807
5.4	-8.909	-2.010
5.5	-9.777	-2.209
5.6	-10.763	-2.405
5.7	-11.771	-2.597
5.8	-12.694	-2.786
5.9	-13.855	-2.971
6	-14.555	-3.154
6.1	-14.334	-3.333
6.2	-13.754	-3.510
6.3	-13.007	-3.684
6.4	-12.254	-3.854
6.5	-11.534	-4.023
6.6	-10.907	-4.189
6.7	-10.377	-4.352
6.8	-9.938	-4.513
6.9	-9.586	-4.671
7	-9.311	-4.827

3.5. Elevation Pattern for Cross-pol, Narrow angle (-7°~7°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=5.85GHz

▪ FCC EIRP spectral density regulation

$$16.3-25\log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

4.5. Elevation Pattern for Cross-pol (-7°~7°) (Maximum skew angle 45 degrees)

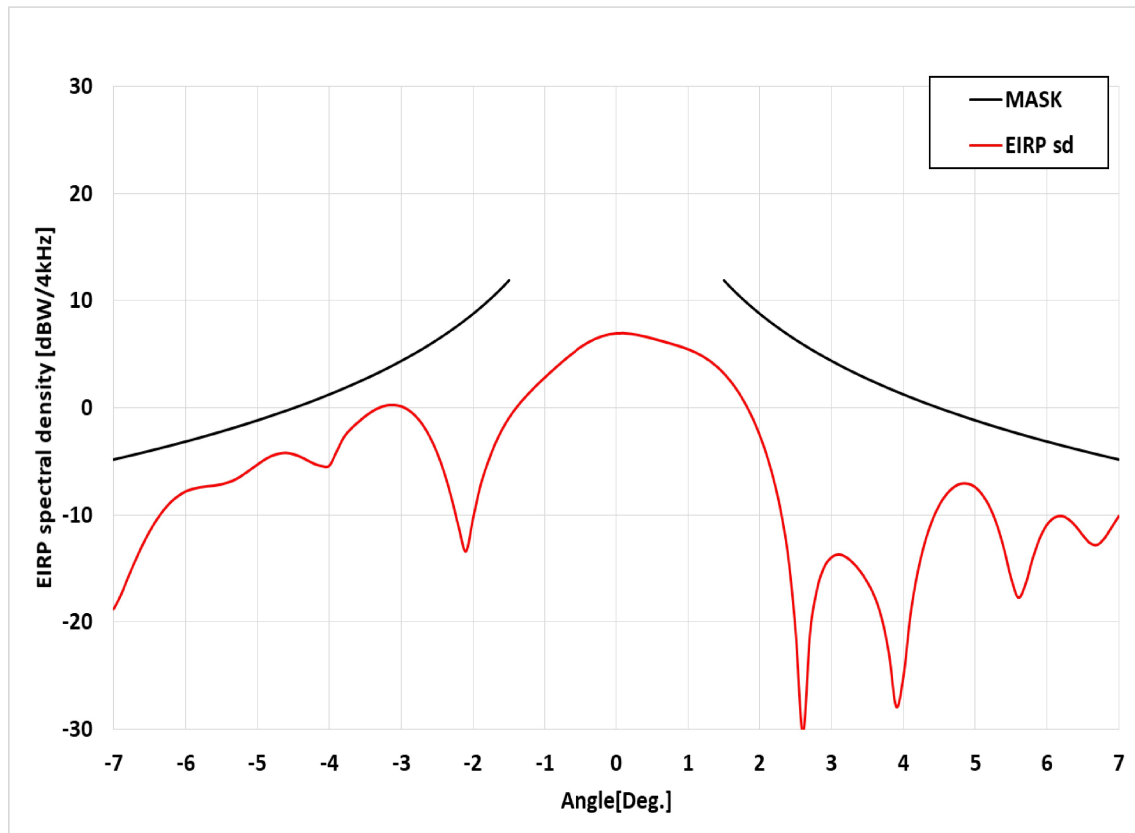
F=5.85GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-14.703	-4.827
-6.9	-20.004	-4.671
-6.8	-24.047	-4.513
-6.7	-17.782	-4.352
-6.6	-13.502	-4.189
-6.5	-10.802	-4.023
-6.4	-8.991	-3.854
-6.3	-7.755	-3.684
-6.2	-6.927	-3.510
-6.1	-6.379	-3.333
-6	-6.047	-3.154
-5.9	-5.897	-2.971
-5.8	-5.901	-2.786
-5.7	-6.032	-2.597
-5.6	-6.285	-2.405
-5.5	-6.663	-2.209
-5.4	-7.170	-2.010
-5.3	-7.818	-1.807
-5.2	-8.632	-1.600
-5.1	-9.619	-1.389
-5	-10.911	-1.174
-4.9	-12.710	-0.955
-4.8	-14.269	-0.731
-4.7	-14.464	-0.502
-4.6	-12.689	-0.269
-4.5	-11.022	-0.030
-4.4	-9.836	0.214
-4.3	-8.728	0.463
-4.2	-7.718	0.719
-4.1	-6.784	0.980
-4	-5.897	1.249
-3.9	-5.062	1.523
-3.8	-4.284	1.805
-3.7	-3.569	2.095
-3.6	-2.944	2.392
-3.5	-2.433	2.698
-3.4	-2.038	3.013
-3.3	-1.757	3.337
-3.2	-1.579	3.671
-3.1	-1.475	4.016
-3	-1.416	4.372

-2.9	-1.352	4.740
-2.8	-1.244	5.121
-2.7	-1.065	5.516
-2.6	-0.817	5.926
-2.5	0.500	6.351
-2.4	1.862	6.795
-2.3	3.246	7.257
-2.2	4.433	7.739
-2.1	5.414	8.245
-2	6.180	8.774
-1.9	6.726	9.331
-1.8	7.044	9.918
-1.7	7.320	10.539
-1.6	7.548	11.197
-1.5	7.715	11.898
-1.4	7.802	
-1.3	7.798	
-1.2	7.698	
-1.1	7.498	
-1	7.188	
-0.9	6.785	
-0.8	6.293	
-0.7	5.735	
-0.6	5.135	
-0.5	4.519	
-0.4	3.913	
-0.3	3.350	
-0.2	2.848	
-0.1	2.407	
0	2.026	
0.1	1.685	
0.2	1.387	
0.3	1.103	
0.4	0.847	
0.5	0.624	
0.6	0.464	
0.7	0.385	
0.8	0.414	
0.9	0.562	
1	0.816	
1.1	1.151	

1.2	1.533	
1.3	1.917	
1.4	2.254	
1.5	2.531	11.898
1.6	2.733	11.197
1.7	2.854	10.539
1.8	2.894	9.918
1.9	2.874	9.331
2	2.810	8.774
2.1	2.710	8.245
2.2	2.587	7.739
2.3	2.448	7.257
2.4	2.290	6.795
2.5	2.101	6.351
2.6	1.867	5.926
2.7	1.571	5.516
2.8	1.200	5.121
2.9	0.739	4.740
3	0.179	4.372
3.1	-0.435	4.016
3.2	-1.056	3.671
3.3	-1.600	3.337
3.4	-1.983	3.013
3.5	-2.149	2.698
3.6	-2.136	2.392
3.7	-2.032	2.095
3.8	-1.933	1.805
3.9	-1.919	1.523
4	-2.054	1.249
4.1	-2.383	0.980
4.2	-2.928	0.719
4.3	-3.736	0.463
4.4	-4.835	0.214
4.5	-6.219	-0.030
4.6	-7.725	-0.269
4.7	-10.117	-0.502
4.8	-13.147	-0.731
4.9	-12.319	-0.955
5	-11.048	-1.174
5.1	-9.862	-1.389
5.2	-8.952	-1.600

5.3	-8.303	-1.807
5.4	-7.901	-2.010
5.5	-7.714	-2.209
5.6	-7.707	-2.405
5.7	-7.845	-2.597
5.8	-8.112	-2.786
5.9	-8.499	-2.971
6	-9.011	-3.154
6.1	-9.661	-3.333
6.2	-10.486	-3.510
6.3	-11.528	-3.684
6.4	-12.868	-3.854
6.5	-14.644	-4.023
6.6	-17.104	-4.189
6.7	-20.652	-4.352
6.8	-25.725	-4.513
6.9	-26.112	-4.671
7	-20.860	-4.827

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



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

$$16.3-25\log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

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

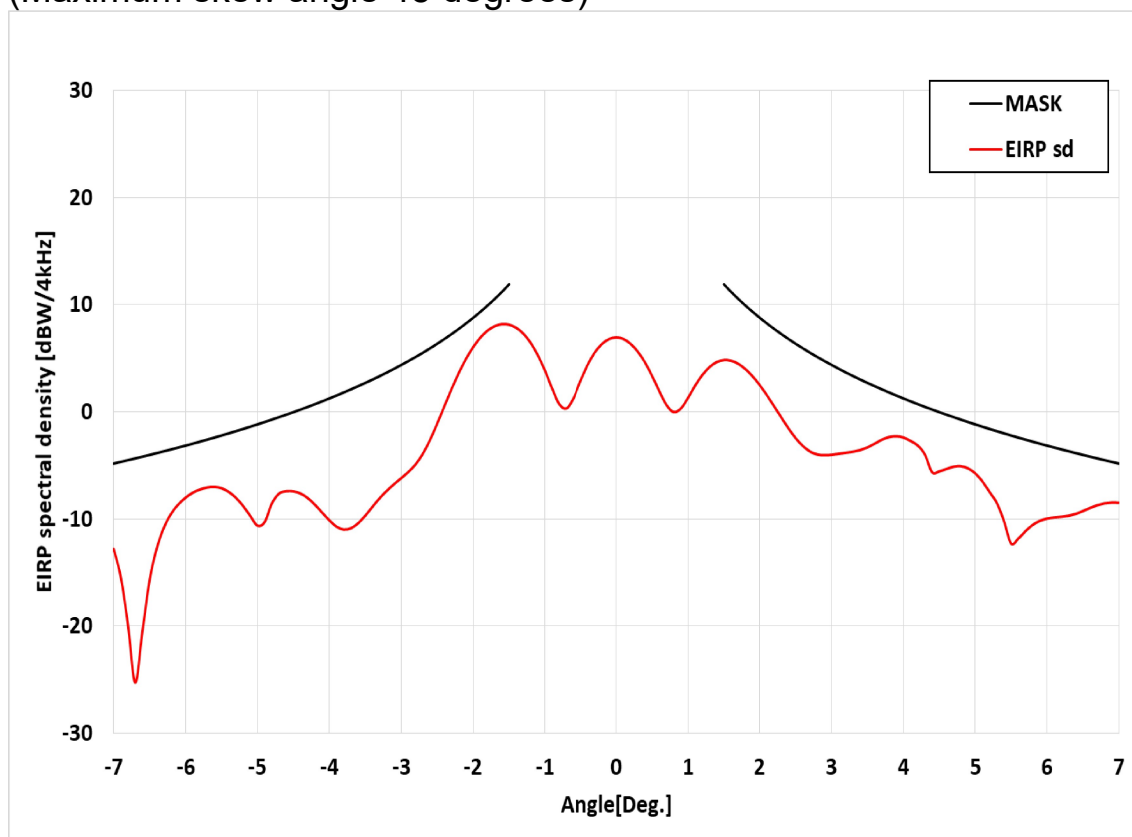
F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-18.784	-4.827
-6.9	-17.491	-4.671
-6.8	-15.848	-4.513
-6.7	-14.281	-4.352
-6.6	-12.818	-4.189
-6.5	-11.533	-4.023
-6.4	-10.435	-3.854
-6.3	-9.508	-3.684
-6.2	-8.768	-3.510
-6.1	-8.221	-3.333
-6	-7.811	-3.154
-5.9	-7.574	-2.971
-5.8	-7.422	-2.786
-5.7	-7.331	-2.597
-5.6	-7.259	-2.405
-5.5	-7.146	-2.209
-5.4	-6.947	-2.010
-5.3	-6.667	-1.807
-5.2	-6.251	-1.600
-5.1	-5.784	-1.389
-5	-5.295	-1.174
-4.9	-4.841	-0.955
-4.8	-4.489	-0.731
-4.7	-4.277	-0.502
-4.6	-4.207	-0.269
-4.5	-4.335	-0.030
-4.4	-4.582	0.214
-4.3	-4.923	0.463
-4.2	-5.256	0.719
-4.1	-5.448	0.980
-4	-5.400	1.249
-3.9	-4.099	1.523
-3.8	-2.772	1.805
-3.7	-1.963	2.095
-3.6	-1.344	2.392
-3.5	-0.782	2.698
-3.4	-0.319	3.013
-3.3	0.025	3.337
-3.2	0.234	3.671
-3.1	0.270	4.016
-3	0.139	4.372

-2.9	-0.206	4.740
-2.8	-0.777	5.121
-2.7	-1.602	5.516
-2.6	-2.736	5.926
-2.5	-4.206	6.351
-2.4	-6.089	6.795
-2.3	-8.444	7.257
-2.2	-11.158	7.739
-2.1	-13.396	8.245
-2	-10.298	8.774
-1.9	-7.310	9.331
-1.8	-5.203	9.918
-1.7	-3.459	10.539
-1.6	-2.059	11.197
-1.5	-0.932	11.898
-1.4	0.008	
-1.3	0.819	
-1.2	1.538	
-1.1	2.209	
-1	2.847	
-0.9	3.463	
-0.8	4.062	
-0.7	4.634	
-0.6	5.167	
-0.5	5.652	
-0.4	6.071	
-0.3	6.416	
-0.2	6.680	
-0.1	6.856	
0	6.949	
0.1	6.964	
0.2	6.907	
0.3	6.800	
0.4	6.650	
0.5	6.479	
0.6	6.298	
0.7	6.111	
0.8	5.918	
0.9	5.709	
1	5.471	
1.1	5.184	

1.2	4.833	
1.3	4.398	
1.4	3.863	
1.5	3.212	11.898
1.6	2.421	11.197
1.7	1.480	10.539
1.8	0.353	9.918
1.9	-0.982	9.331
2	-2.576	8.774
2.1	-4.502	8.245
2.2	-6.878	7.739
2.3	-9.926	7.257
2.4	-14.160	6.795
2.5	-20.969	6.351
2.6	-30.436	5.926
2.7	-21.007	5.516
2.8	-16.867	5.121
2.9	-14.826	4.740
3	-13.960	4.372
3.1	-13.691	4.016
3.2	-13.934	3.671
3.3	-14.491	3.337
3.4	-15.271	3.013
3.5	-16.306	2.698
3.6	-17.649	2.392
3.7	-19.717	2.095
3.8	-23.004	1.805
3.9	-27.904	1.523
4	-25.082	1.249
4.1	-19.240	0.980
4.2	-15.294	0.719
4.3	-12.540	0.463
4.4	-10.540	0.214
4.5	-9.085	-0.030
4.6	-8.067	-0.269
4.7	-7.411	-0.502
4.8	-7.083	-0.731
4.9	-7.089	-0.955
5	-7.406	-1.174
5.1	-8.122	-1.389
5.2	-9.244	-1.600

5.3	-10.889	-1.807
5.4	-13.168	-2.010
5.5	-15.898	-2.209
5.6	-17.720	-2.405
5.7	-16.474	-2.597
5.8	-14.092	-2.786
5.9	-12.159	-2.971
6	-10.904	-3.154
6.1	-10.262	-3.333
6.2	-10.090	-3.510
6.3	-10.413	-3.684
6.4	-11.066	-3.854
6.5	-11.914	-4.023
6.6	-12.639	-4.189
6.7	-12.787	-4.352
6.8	-12.175	-4.513
6.9	-11.153	-4.671
7	-10.103	-4.827

11.5. Elevation Pattern for Cross-pol, Narrow angle (-7°~7°) (Maximum skew angle 45 degrees)



-6.22 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ FCC EIRP spectral density regulation

$$16.3-25\log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.5^\circ \leq \theta \leq 7.0^\circ$$

The v240MT Gen-II's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.22 dBW/ 4kHz

12.5. Elevation Pattern for Cross-pol (-7°~7°) (Maximum skew angle 45 degrees)

F=6.425GHz, -6.22 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-12.798	-4.827
-6.9	-15.463	-4.671
-6.8	-19.931	-4.513
-6.7	-25.282	-4.352
-6.6	-20.485	-4.189
-6.5	-15.706	-4.023
-6.4	-12.740	-3.854
-6.3	-10.787	-3.684
-6.2	-9.505	-3.510
-6.1	-8.643	-3.333
-6	-8.014	-3.154
-5.9	-7.555	-2.971
-5.8	-7.254	-2.786
-5.7	-7.062	-2.597
-5.6	-7.000	-2.405
-5.5	-7.129	-2.209
-5.4	-7.473	-2.010
-5.3	-8.026	-1.807
-5.2	-8.793	-1.600
-5.1	-9.717	-1.389
-5	-10.623	-1.174
-4.9	-10.297	-0.955
-4.8	-8.574	-0.731
-4.7	-7.636	-0.502
-4.6	-7.414	-0.269
-4.5	-7.424	-0.030
-4.4	-7.633	0.214
-4.3	-8.054	0.463
-4.2	-8.680	0.719
-4.1	-9.408	0.980
-4	-10.130	1.249
-3.9	-10.723	1.523
-3.8	-10.996	1.805
-3.7	-10.872	2.095
-3.6	-10.400	2.392
-3.5	-9.698	2.698
-3.4	-8.866	3.013
-3.3	-8.055	3.337
-3.2	-7.363	3.671
-3.1	-6.755	4.016
-3	-6.188	4.372

-2.9	-5.606	4.740
-2.8	-4.900	5.121
-2.7	-3.918	5.516
-2.6	-2.630	5.926
-2.5	-1.109	6.351
-2.4	0.524	6.795
-2.3	2.132	7.257
-2.2	3.625	7.739
-2.1	4.933	8.245
-2	6.038	8.774
-1.9	6.927	9.331
-1.8	7.576	9.918
-1.7	7.996	10.539
-1.6	8.189	11.197
-1.5	8.136	11.898
-1.4	7.837	
-1.3	7.284	
-1.2	6.437	
-1.1	5.286	
-1	3.831	
-0.9	2.154	
-0.8	0.702	
-0.7	0.326	
-0.6	1.309	
-0.5	2.868	
-0.4	4.352	
-0.3	5.527	
-0.2	6.325	
-0.1	6.789	
0	6.949	
0.1	6.798	
0.2	6.350	
0.3	5.624	
0.4	4.618	
0.5	3.347	
0.6	1.928	
0.7	0.640	
0.8	-0.014	
0.9	0.303	
1	1.299	
1.1	2.455	

1.2	3.443	
1.3	4.180	
1.4	4.644	
1.5	4.830	11.898
1.6	4.768	11.197
1.7	4.481	10.539
1.8	3.984	9.918
1.9	3.309	9.331
2	2.481	8.774
2.1	1.530	8.245
2.2	0.514	7.739
2.3	-0.534	7.257
2.4	-1.555	6.795
2.5	-2.457	6.351
2.6	-3.189	5.926
2.7	-3.711	5.516
2.8	-3.981	5.121
2.9	-4.055	4.740
3	-4.012	4.372
3.1	-3.917	4.016
3.2	-3.824	3.671
3.3	-3.723	3.337
3.4	-3.569	3.013
3.5	-3.319	2.698
3.6	-2.972	2.392
3.7	-2.603	2.095
3.8	-2.355	1.805
3.9	-2.280	1.523
4	-2.399	1.249
4.1	-2.722	0.980
4.2	-3.152	0.719
4.3	-4.006	0.463
4.4	-5.648	0.214
4.5	-5.558	-0.030
4.6	-5.331	-0.269
4.7	-5.121	-0.502
4.8	-5.077	-0.731
4.9	-5.279	-0.955
5	-5.747	-1.174
5.1	-6.500	-1.389
5.2	-7.494	-1.600

5.3	-8.510	-1.807
5.4	-10.205	-2.010
5.5	-12.298	-2.209
5.6	-11.833	-2.405
5.7	-11.142	-2.597
5.8	-10.558	-2.786
5.9	-10.179	-2.971
6	-9.965	-3.154
6.1	-9.863	-3.333
6.2	-9.802	-3.510
6.3	-9.701	-3.684
6.4	-9.527	-3.854
6.5	-9.260	-4.023
6.6	-8.974	-4.189
6.7	-8.722	-4.352
6.8	-8.546	-4.513
6.9	-8.472	-4.671
7	-8.495	-4.827