

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

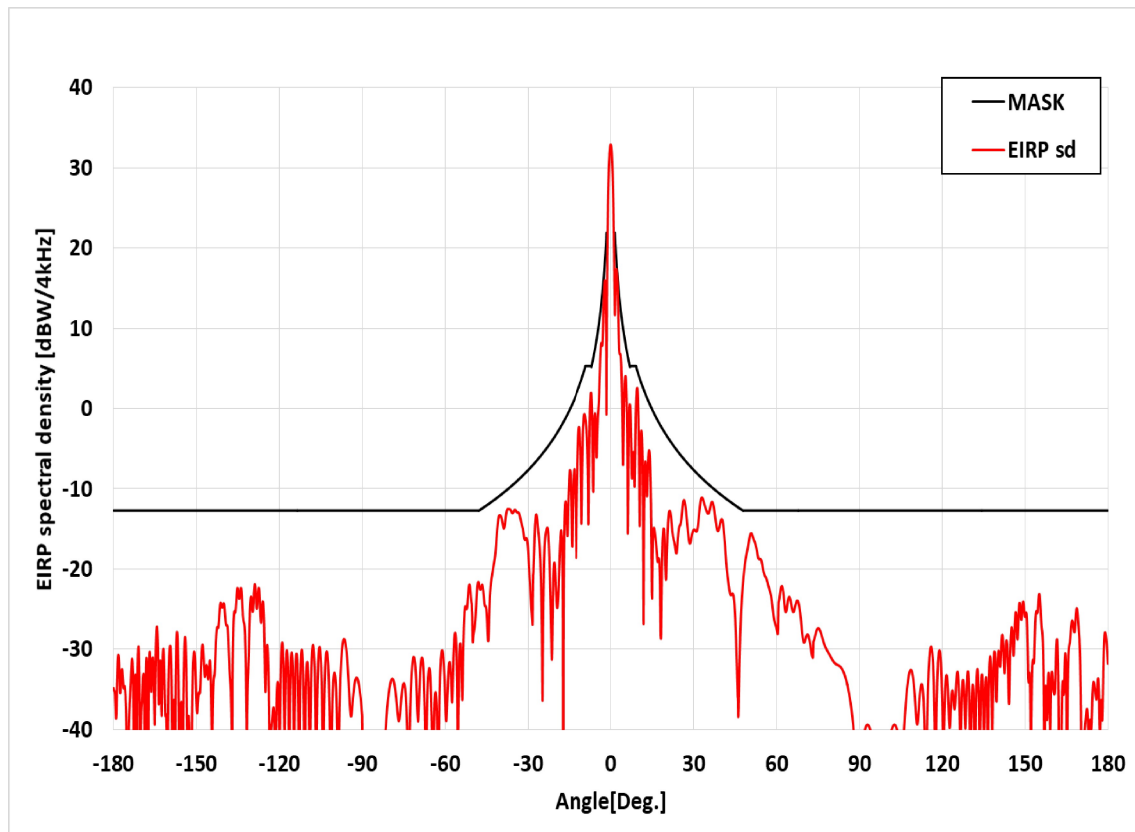
Exhibit Contains:

§25.115(g)(1) Plots and Tables for Intellian V240MTC antenna

Intellian V240MT C-band

1. EIRP Spectral Density of v240MT C-band

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

2. EIRP Spectral Density Data

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

F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-34.825	-12.700
-179	-38.219	-12.700
-178	-31.813	-12.700
-177	-32.479	-12.700
-176	-34.584	-12.700
-175	-46.103	-12.700
-174	-35.534	-12.700
-173	-33.241	-12.700
-172	-33.792	-12.700
-171	-29.654	-12.700
-170	-37.653	-12.700
-169	-34.459	-12.700
-168	-31.333	-12.700
-167	-30.360	-12.700
-166	-31.641	-12.700
-165	-35.863	-12.700
-164	-29.386	-12.700
-163	-31.979	-12.700
-162	-29.941	-12.700
-161	-38.135	-12.700
-160	-31.804	-12.700
-159	-34.284	-12.700
-158	-38.568	-12.700
-157	-27.869	-12.700
-156	-40.802	-12.700
-155	-47.145	-12.700
-154	-28.910	-12.700
-153	-38.784	-12.700
-152	-45.628	-12.700
-151	-30.464	-12.700
-150	-36.819	-12.700
-149	-35.413	-12.700
-148	-29.664	-12.700
-147	-33.398	-12.700
-146	-33.293	-12.700
-145	-31.941	-12.700
-144	-35.046	-12.700
-143	-29.163	-12.700
-142	-26.853	-12.700
-141	-24.494	-12.700
-140	-24.467	-12.700

-139	-26.982	-12.700
-138	-33.124	-12.700
-137	-33.664	-12.700
-136	-25.421	-12.700
-135	-22.645	-12.700
-134	-22.374	-12.700
-133	-26.553	-12.700
-132	-36.293	-12.700
-131	-29.129	-12.700
-130	-24.167	-12.700
-129	-21.958	-12.700
-128	-24.379	-12.700
-127	-24.845	-12.700
-126	-24.043	-12.700
-125	-34.733	-12.700
-124	-32.540	-12.700
-123	-40.002	-12.700
-122	-37.618	-12.700
-121	-36.331	-12.700
-120	-41.498	-12.700
-119	-29.162	-12.700
-118	-38.261	-12.700
-117	-31.789	-12.700
-116	-32.778	-12.700
-115	-36.556	-12.700
-114	-30.870	-12.700
-113	-48.350	-12.700
-112	-30.077	-12.700
-111	-48.181	-12.700
-110	-31.566	-12.700
-109	-45.403	-12.700
-108	-29.554	-12.700
-107	-38.446	-12.700
-106	-31.424	-12.700
-105	-31.790	-12.700
-104	-40.475	-12.700
-103	-30.272	-12.700
-102	-35.930	-12.700
-101	-38.129	-12.700
-100	-33.029	-12.700
-99	-42.169	-12.700

-98	-33.759	-12.700
-97	-28.980	-12.700
-96	-29.580	-12.700
-95	-34.151	-12.700
-94	-38.216	-12.700
-93	-34.650	-12.700
-92	-33.560	-12.700
-91	-35.088	-12.700
-90	-42.571	-12.700
-89	-53.524	-12.700
-88	-47.812	-12.700
-87	-44.854	-12.700
-86	-43.948	-12.700
-85	-44.601	-12.700
-84	-47.492	-12.700
-83	-49.222	-12.700
-82	-42.131	-12.700
-81	-37.067	-12.700
-80	-34.343	-12.700
-79	-33.714	-12.700
-78	-35.471	-12.700
-77	-38.838	-12.700
-76	-36.301	-12.700
-75	-34.227	-12.700
-74	-38.120	-12.700
-73	-41.525	-12.700
-72	-31.978	-12.700
-71	-31.701	-12.700
-70	-38.773	-12.700
-69	-32.261	-12.700
-68	-32.346	-12.700
-67	-46.115	-12.700
-66	-32.505	-12.700
-65	-38.646	-12.700
-64	-37.254	-12.700
-63	-39.931	-12.700
-62	-34.114	-12.700
-61	-30.324	-12.700
-60	-37.129	-12.700
-59	-33.244	-12.700
-58	-33.709	-12.700

-57	-30.173	-12.700
-56	-30.845	-12.700
-55	-31.207	-12.700
-54	-35.618	-12.700
-53	-24.987	-12.700
-52	-24.128	-12.700
-51	-22.597	-12.700
-50	-28.646	-12.700
-49	-25.066	-12.700
-48	-21.658	-12.731
-47	-22.153	-12.502
-46	-23.967	-12.269
-45	-26.010	-12.030
-44	-24.153	-11.786
-43	-20.476	-11.537
-42	-18.221	-11.281
-41	-14.036	-11.020
-40	-13.408	-10.751
-39	-14.869	-10.477
-38	-13.046	-10.195
-37	-12.530	-9.905
-36	-12.927	-9.608
-35	-12.627	-9.302
-34	-12.934	-8.987
-33	-13.534	-8.663
-32	-15.042	-8.329
-31	-16.269	-7.984
-30	-18.226	-7.628
-29	-24.540	-7.260
-28	-18.322	-6.879
-27	-13.365	-6.484
-26	-16.961	-6.074
-25	-33.627	-5.649
-24	-16.392	-5.205
-23	-14.985	-4.743
-22	-23.918	-4.261
-21	-21.296	-3.755
-20	-22.849	-3.226
-19	-21.550	-2.669
-18	-15.505	-2.082
-17	-15.316	-1.461

-16	-15.193	-0.803
-15	-7.688	-0.102
-14	-15.506	0.647
-13	-9.409	1.451
-12	-5.298	2.320
-11	-5.369	3.265
-10	-2.601	4.300
-9	-1.777	5.300
-8	-14.333	5.300
-7	1.741	5.173
-6	-2.886	6.846
-5	-5.125	8.826
-4	3.629	11.249
-3	7.864	14.372
-2	15.816	18.774
-1	24.520	
-1.00044E-11	32.870	
1	24.783	
2	17.250	18.774
3	8.290	14.372
4	3.599	11.249
5	2.316	8.826
6	-3.857	6.846
7	0.438	5.173
8	-6.187	5.300
9	-2.786	5.300
10	-0.057	4.300
11	-3.125	3.265
12	-17.452	2.320
13	-10.094	1.451
14	-5.302	0.647
15	-23.624	-0.102
16	-15.492	-0.803
17	-19.075	-1.461
18	-25.038	-2.082
19	-15.306	-2.669
20	-21.306	-3.226
21	-13.267	-3.755
22	-14.114	-4.261
23	-16.587	-4.743
24	-17.654	-5.205

25	-14.593	-5.649
26	-12.323	-6.074
27	-12.006	-6.484
28	-15.394	-6.879
29	-16.488	-7.260
30	-15.146	-7.628
31	-15.298	-7.984
32	-13.248	-8.329
33	-11.099	-8.663
34	-11.992	-8.987
35	-12.976	-9.302
36	-12.363	-9.608
37	-11.780	-9.905
38	-13.951	-10.195
39	-15.200	-10.477
40	-13.849	-10.751
41	-15.355	-11.020
42	-19.807	-11.281
43	-22.668	-11.537
44	-23.074	-11.786
45	-25.494	-12.030
46	-35.930	-12.269
47	-27.315	-12.502
48	-21.335	-12.731
49	-18.460	-12.700
50	-16.584	-12.700
51	-15.570	-12.700
52	-16.492	-12.700
53	-17.846	-12.700
54	-18.743	-12.700
55	-19.684	-12.700
56	-20.930	-12.700
57	-21.967	-12.700
58	-23.261	-12.700
59	-25.878	-12.700
60	-27.349	-12.700
61	-23.818	-12.700
62	-22.116	-12.700
63	-24.621	-12.700
64	-24.306	-12.700
65	-23.700	-12.700

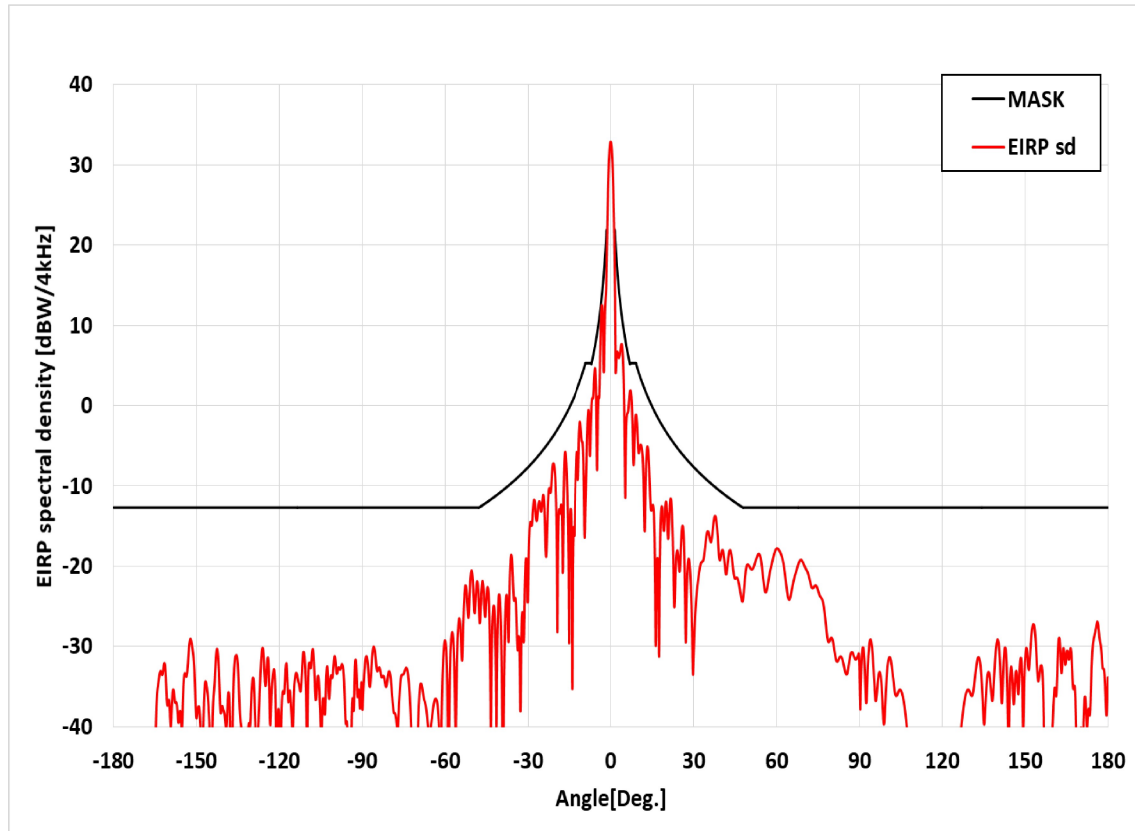
66	-25.293	-12.700
67	-24.340	-12.700
68	-24.195	-12.700
69	-26.779	-12.700
70	-29.162	-12.700
71	-28.228	-12.700
72	-28.907	-12.700
73	-30.899	-12.700
74	-28.362	-12.700
75	-27.404	-12.700
76	-27.850	-12.700
77	-29.009	-12.700
78	-29.901	-12.700
79	-30.521	-12.700
80	-31.142	-12.700
81	-31.658	-12.700
82	-31.910	-12.700
83	-32.132	-12.700
84	-32.606	-12.700
85	-33.522	-12.700
86	-34.951	-12.700
87	-37.038	-12.700
88	-40.447	-12.700
89	-46.295	-12.700
90	-49.656	-12.700
91	-42.484	-12.700
92	-40.109	-12.700
93	-39.390	-12.700
94	-40.044	-12.700
95	-41.810	-12.700
96	-45.910	-12.700
97	-52.220	-12.700
98	-54.910	-12.700
99	-50.464	-12.700
100	-44.220	-12.700
101	-41.172	-12.700
102	-39.729	-12.700
103	-39.440	-12.700
104	-40.641	-12.700
105	-43.178	-12.700
106	-41.070	-12.700

107	-36.039	-12.700
108	-33.133	-12.700
109	-32.716	-12.700
110	-35.336	-12.700
111	-39.356	-12.700
112	-35.344	-12.700
113	-35.022	-12.700
114	-50.216	-12.700
115	-33.708	-12.700
116	-29.669	-12.700
117	-34.418	-12.700
118	-37.107	-12.700
119	-30.130	-12.700
120	-35.810	-12.700
121	-35.808	-12.700
122	-34.409	-12.700
123	-38.380	-12.700
124	-35.754	-12.700
125	-34.769	-12.700
126	-34.522	-12.700
127	-37.107	-12.700
128	-36.002	-12.700
129	-33.978	-12.700
130	-39.287	-12.700
131	-34.568	-12.700
132	-44.066	-12.700
133	-33.221	-12.700
134	-35.927	-12.700
135	-38.917	-12.700
136	-33.748	-12.700
137	-33.444	-12.700
138	-38.189	-12.700
139	-30.345	-12.700
140	-32.661	-12.700
141	-32.159	-12.700
142	-28.805	-12.700
143	-29.975	-12.700
144	-34.639	-12.700
145	-27.594	-12.700
146	-30.046	-12.700
147	-26.969	-12.700

148	-24.226	-12.700
149	-24.986	-12.700
150	-25.943	-12.700
151	-30.474	-12.700
152	-40.403	-12.700
153	-31.516	-12.700
154	-25.301	-12.700
155	-23.364	-12.700
156	-27.207	-12.700
157	-56.879	-12.700
158	-38.798	-12.700
159	-39.124	-12.700
160	-33.640	-12.700
161	-33.267	-12.700
162	-32.610	-12.700
163	-84.674	-12.700
164	-35.643	-12.700
165	-37.137	-12.700
166	-29.559	-12.700
167	-26.464	-12.700
168	-27.674	-12.700
169	-25.356	-12.700
170	-32.091	-12.700
171	-43.432	-12.700
172	-38.577	-12.700
173	-40.101	-12.700
174	-39.951	-12.700
175	-34.257	-12.700
176	-35.832	-12.700
177	-39.446	-12.700
178	-38.860	-12.700
179	-27.895	-12.700
180	-31.770	-12.700

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

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

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

F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-49.212	-12.700
-179	-55.200	-12.700
-178	-44.931	-12.700
-177	-51.409	-12.700
-176	-51.474	-12.700
-175	-57.030	-12.700
-174	-58.318	-12.700
-173	-58.801	-12.700
-172	-48.312	-12.700
-171	-50.280	-12.700
-170	-47.721	-12.700
-169	-47.076	-12.700
-168	-42.736	-12.700
-167	-43.331	-12.700
-166	-45.480	-12.700
-165	-47.116	-12.700
-164	-35.009	-12.700
-163	-33.067	-12.700
-162	-32.725	-12.700
-161	-34.671	-12.700
-160	-36.661	-12.700
-159	-38.054	-12.700
-158	-36.354	-12.700
-157	-37.691	-12.700
-156	-38.094	-12.700
-155	-37.469	-12.700
-154	-33.547	-12.700
-153	-31.501	-12.700
-152	-29.210	-12.700
-151	-31.776	-12.700
-150	-38.957	-12.700
-149	-37.730	-12.700
-148	-47.140	-12.700
-147	-34.789	-12.700
-146	-35.912	-12.700
-145	-44.750	-12.700
-144	-37.071	-12.700
-143	-31.363	-12.700
-142	-32.563	-12.700
-141	-37.837	-12.700
-140	-38.250	-12.700

-139	-38.952	-12.700
-138	-37.876	-12.700
-137	-40.702	-12.700
-136	-31.325	-12.700
-135	-32.717	-12.700
-134	-39.635	-12.700
-133	-40.341	-12.700
-132	-50.098	-12.700
-131	-39.549	-12.700
-130	-35.192	-12.700
-129	-36.764	-12.700
-128	-41.789	-12.700
-127	-34.112	-12.700
-126	-30.264	-12.700
-125	-34.851	-12.700
-124	-31.907	-12.700
-123	-36.642	-12.700
-122	-32.830	-12.700
-121	-47.572	-12.700
-120	-40.089	-12.700
-119	-36.041	-12.700
-118	-34.184	-12.700
-117	-35.663	-12.700
-116	-36.471	-12.700
-115	-38.318	-12.700
-114	-33.303	-12.700
-113	-34.636	-12.700
-112	-33.936	-12.700
-111	-31.247	-12.700
-110	-42.613	-12.700
-109	-32.329	-12.700
-108	-30.337	-12.700
-107	-36.403	-12.700
-106	-33.732	-12.700
-105	-40.807	-12.700
-104	-36.806	-12.700
-103	-33.078	-12.700
-102	-36.495	-12.700
-101	-33.929	-12.700
-100	-31.228	-12.700
-99	-33.063	-12.700

-98	-32.820	-12.700
-97	-32.794	-12.700
-96	-39.666	-12.700
-95	-49.597	-12.700
-94	-41.201	-12.700
-93	-36.240	-12.700
-92	-34.937	-12.700
-91	-37.399	-12.700
-90	-37.877	-12.700
-89	-31.816	-12.700
-88	-32.500	-12.700
-87	-33.833	-12.700
-86	-30.028	-12.700
-85	-32.375	-12.700
-84	-32.629	-12.700
-83	-33.841	-12.700
-82	-34.181	-12.700
-81	-34.193	-12.700
-80	-33.492	-12.700
-79	-37.354	-12.700
-78	-38.611	-12.700
-77	-38.795	-12.700
-76	-33.733	-12.700
-75	-33.322	-12.700
-74	-32.727	-12.700
-73	-35.669	-12.700
-72	-42.264	-12.700
-71	-44.017	-12.700
-70	-41.719	-12.700
-69	-34.676	-12.700
-68	-36.055	-12.700
-67	-37.649	-12.700
-66	-40.768	-12.700
-65	-39.258	-12.700
-64	-36.811	-12.700
-63	-36.993	-12.700
-62	-44.823	-12.700
-61	-33.341	-12.700
-60	-29.405	-12.700
-59	-45.242	-12.700
-58	-29.457	-12.700

-57	-30.347	-12.700
-56	-34.513	-12.700
-55	-26.508	-12.700
-54	-31.752	-12.700
-53	-23.063	-12.700
-52	-25.317	-12.700
-51	-21.656	-12.700
-50	-22.514	-12.700
-49	-23.528	-12.700
-48	-24.031	-12.731
-47	-23.194	-12.502
-46	-24.391	-12.269
-45	-23.104	-12.030
-44	-28.371	-11.786
-43	-27.084	-11.537
-42	-28.171	-11.281
-41	-25.835	-11.020
-40	-26.930	-10.751
-39	-42.639	-10.477
-38	-23.724	-10.195
-37	-26.372	-9.905
-36	-19.001	-9.608
-35	-24.153	-9.302
-34	-30.112	-8.987
-33	-35.446	-8.663
-32	-26.403	-8.329
-31	-19.512	-7.984
-30	-20.711	-7.628
-29	-14.831	-7.260
-28	-11.764	-6.879
-27	-14.366	-6.484
-26	-11.929	-6.074
-25	-12.084	-5.649
-24	-15.006	-5.205
-23	-12.749	-4.743
-22	-10.845	-4.261
-21	-7.201	-3.755
-20	-12.007	-3.226
-19	-13.130	-2.669
-18	-12.653	-2.082
-17	-7.434	-1.461

-16	-10.113	-0.803
-15	-16.706	-0.102
-14	-27.890	0.647
-13	-11.278	1.451
-12	-9.232	2.320
-11	-2.285	3.265
-10	-5.574	4.300
-9	-10.241	5.300
-8	-0.583	5.300
-7	-0.437	5.173
-6	3.358	6.846
-5	-6.377	8.826
-4	2.120	11.249
-3	12.094	14.372
-2	12.345	18.774
-1	25.914	
-1.00044E-11	32.870	
1	26.200	
2	5.166	18.774
3	5.953	14.372
4	7.663	11.249
5	-2.547	8.826
6	-0.966	6.846
7	1.774	5.173
8	-3.863	5.300
9	-1.433	5.300
10	-5.527	4.300
11	-4.913	3.265
12	-10.790	2.320
13	-6.107	1.451
14	-8.528	0.647
15	-12.637	-0.102
16	-18.484	-0.803
17	-19.071	-1.461
18	-15.998	-2.082
19	-14.568	-2.669
20	-11.967	-3.226
21	-15.857	-3.755
22	-12.291	-4.261
23	-24.995	-4.743
24	-18.121	-5.205

25	-20.653	-5.649
26	-14.969	-6.074
27	-25.616	-6.484
28	-19.419	-6.879
29	-22.401	-7.260
30	-31.623	-7.628
31	-23.934	-7.984
32	-20.845	-8.329
33	-19.463	-8.663
34	-18.272	-8.987
35	-15.735	-9.302
36	-16.751	-9.608
37	-15.350	-9.905
38	-13.830	-10.195
39	-17.578	-10.477
40	-18.572	-10.751
41	-18.796	-11.020
42	-20.798	-11.281
43	-18.093	-11.537
44	-19.363	-11.786
45	-21.539	-12.030
46	-21.592	-12.269
47	-23.351	-12.502
48	-23.966	-12.731
49	-20.377	-12.700
50	-19.919	-12.700
51	-20.397	-12.700
52	-19.858	-12.700
53	-18.818	-12.700
54	-18.631	-12.700
55	-20.828	-12.700
56	-23.222	-12.700
57	-22.031	-12.700
58	-20.161	-12.700
59	-18.737	-12.700
60	-17.825	-12.700
61	-18.045	-12.700
62	-18.840	-12.700
63	-20.712	-12.700
64	-23.459	-12.700
65	-23.906	-12.700

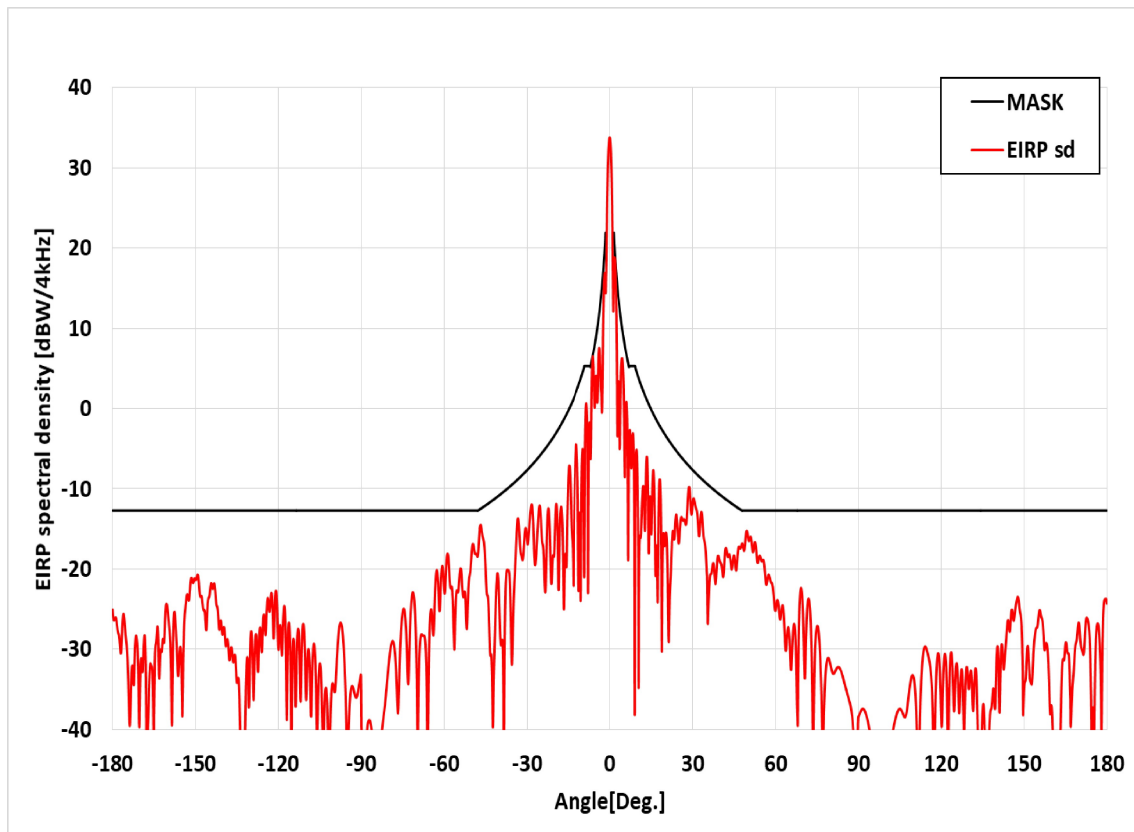
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73	-22.729	-12.700
74	-22.424	-12.700
75	-22.918	-12.700
76	-23.835	-12.700
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78	-27.591	-12.700
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80	-28.929	-12.700
81	-30.484	-12.700
82	-31.871	-12.700
83	-31.311	-12.700
84	-31.754	-12.700
85	-33.244	-12.700
86	-32.738	-12.700
87	-30.839	-12.700
88	-31.158	-12.700
89	-31.539	-12.700
90	-31.691	-12.700
91	-30.869	-12.700
92	-32.940	-12.700
93	-33.493	-12.700
94	-29.160	-12.700
95	-31.854	-12.700
96	-36.792	-12.700
97	-33.543	-12.700
98	-34.540	-12.700
99	-39.654	-12.700
100	-33.378	-12.700
101	-31.352	-12.700
102	-33.098	-12.700
103	-35.866	-12.700
104	-35.795	-12.700
105	-35.449	-12.700
106	-36.645	-12.700

107	-39.329	-12.700
108	-42.925	-12.700
109	-46.586	-12.700
110	-48.233	-12.700
111	-48.644	-12.700
112	-49.385	-12.700
113	-50.419	-12.700
114	-51.642	-12.700
115	-53.162	-12.700
116	-54.350	-12.700
117	-54.833	-12.700
118	-54.466	-12.700
119	-53.360	-12.700
120	-51.823	-12.700
121	-50.584	-12.700
122	-49.514	-12.700
123	-48.732	-12.700
124	-48.324	-12.700
125	-46.942	-12.700
126	-43.478	-12.700
127	-39.799	-12.700
128	-36.944	-12.700
129	-35.523	-12.700
130	-35.669	-12.700
131	-36.048	-12.700
132	-33.522	-12.700
133	-31.391	-12.700
134	-32.765	-12.700
135	-39.097	-12.700
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137	-33.321	-12.700
138	-36.571	-12.700
139	-32.658	-12.700
140	-29.171	-12.700
141	-32.304	-12.700
142	-34.195	-12.700
143	-30.380	-12.700
144	-42.889	-12.700
145	-32.512	-12.700
146	-37.075	-12.700
147	-33.377	-12.700

148	-33.404	-12.700
149	-34.377	-12.700
150	-31.946	-12.700
151	-31.655	-12.700
152	-30.151	-12.700
153	-27.239	-12.700
154	-30.144	-12.700
155	-34.064	-12.700
156	-32.434	-12.700
157	-45.592	-12.700
158	-43.950	-12.700
159	-45.085	-12.700
160	-39.829	-12.700
161	-35.423	-12.700
162	-30.205	-12.700
163	-32.376	-12.700
164	-30.228	-12.700
165	-31.045	-12.700
166	-31.510	-12.700
167	-32.319	-12.700
168	-35.150	-12.700
169	-49.375	-12.700
170	-41.452	-12.700
171	-41.884	-12.700
172	-37.260	-12.700
173	-37.782	-12.700
174	-33.584	-12.700
175	-28.813	-12.700
176	-27.097	-12.700
177	-29.048	-12.700
178	-32.330	-12.700
179	-34.86	-12.700
180	-33.865	-12.700

9. EIRP Spectral Density of v240MT C-band

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

10. EIRP Spectral Density Data

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

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-25.056	-12.700
-179	-26.045	-12.700
-178	-27.953	-12.700
-177	-30.504	-12.700
-176	-25.584	-12.700
-175	-29.162	-12.700
-174	-38.005	-12.700
-173	-32.341	-12.700
-172	-31.053	-12.700
-171	-29.705	-12.700
-170	-33.508	-12.700
-169	-31.991	-12.700
-168	-32.280	-12.700
-167	-37.730	-12.700
-166	-32.041	-12.700
-165	-38.046	-12.700
-164	-27.914	-12.700
-163	-32.889	-12.700
-162	-29.211	-12.700
-161	-26.255	-12.700
-160	-25.411	-12.700
-159	-30.227	-12.700
-158	-27.089	-12.700
-157	-28.385	-12.700
-156	-31.906	-12.700
-155	-34.065	-12.700
-154	-26.192	-12.700
-153	-23.133	-12.700
-152	-22.489	-12.700
-151	-21.650	-12.700
-150	-21.280	-12.700
-149	-21.022	-12.700
-148	-23.339	-12.700
-147	-25.117	-12.700
-146	-27.184	-12.700
-145	-23.431	-12.700
-144	-22.175	-12.700
-143	-22.226	-12.700
-142	-24.991	-12.700
-141	-26.506	-12.700
-140	-27.669	-12.700

-139	-29.603	-12.700
-138	-30.465	-12.700
-137	-29.773	-12.700
-136	-30.908	-12.700
-135	-34.169	-12.700
-134	-38.321	-12.700
-133	-41.563	-12.700
-132	-38.546	-12.700
-131	-32.789	-12.700
-130	-28.046	-12.700
-129	-36.291	-12.700
-128	-28.352	-12.700
-127	-28.791	-12.700
-126	-30.280	-12.700
-125	-26.767	-12.700
-124	-23.753	-12.700
-123	-24.518	-12.700
-122	-26.583	-12.700
-121	-22.732	-12.700
-120	-30.043	-12.700
-119	-29.252	-12.700
-118	-24.687	-12.700
-117	-38.796	-12.700
-116	-27.440	-12.700
-115	-31.934	-12.700
-114	-34.309	-12.700
-113	-27.537	-12.700
-112	-36.510	-12.700
-111	-26.866	-12.700
-110	-36.299	-12.700
-109	-30.334	-12.700
-108	-35.554	-12.700
-107	-29.626	-12.700
-106	-40.638	-12.700
-105	-31.770	-12.700
-104	-41.379	-12.700
-103	-34.930	-12.700
-102	-42.688	-12.700
-101	-36.201	-12.700
-100	-34.868	-12.700
-99	-31.929	-12.700

-98	-27.155	-12.700
-97	-27.416	-12.700
-96	-32.935	-12.700
-95	-44.020	-12.700
-94	-35.533	-12.700
-93	-34.807	-12.700
-92	-36.016	-12.700
-91	-34.688	-12.700
-90	-39.680	-12.700
-89	-46.374	-12.700
-88	-40.379	-12.700
-87	-38.876	-12.700
-86	-41.006	-12.700
-85	-48.274	-12.700
-84	-51.614	-12.700
-83	-41.862	-12.700
-82	-38.342	-12.700
-81	-35.049	-12.700
-80	-31.286	-12.700
-79	-29.104	-12.700
-78	-30.089	-12.700
-77	-37.102	-12.700
-76	-30.029	-12.700
-75	-25.154	-12.700
-74	-26.746	-12.700
-73	-33.847	-12.700
-72	-24.258	-12.700
-71	-23.569	-12.700
-70	-34.238	-12.700
-69	-30.283	-12.700
-68	-28.230	-12.700
-67	-28.809	-12.700
-66	-45.512	-12.700
-65	-25.238	-12.700
-64	-28.244	-12.700
-63	-20.493	-12.700
-62	-24.117	-12.700
-61	-20.047	-12.700
-60	-22.851	-12.700
-59	-18.179	-12.700
-58	-21.893	-12.700

-57	-23.844	-12.700
-56	-24.638	-12.700
-55	-22.765	-12.700
-54	-20.063	-12.700
-53	-23.213	-12.700
-52	-27.298	-12.700
-51	-21.003	-12.700
-50	-17.350	-12.700
-49	-18.046	-12.700
-48	-18.427	-12.731
-47	-14.537	-12.502
-46	-16.209	-12.269
-45	-21.135	-12.030
-44	-25.169	-11.786
-43	-31.075	-11.537
-42	-31.023	-11.281
-41	-20.813	-11.020
-40	-26.578	-10.751
-39	-29.090	-10.477
-38	-24.077	-10.195
-37	-20.145	-9.905
-36	-25.851	-9.608
-35	-24.171	-9.302
-34	-16.211	-8.987
-33	-15.113	-8.663
-32	-18.599	-8.329
-31	-15.800	-7.984
-30	-16.743	-7.628
-29	-13.270	-7.260
-28	-13.608	-6.879
-27	-19.060	-6.484
-26	-13.255	-6.074
-25	-14.667	-5.649
-24	-19.118	-5.205
-23	-16.339	-4.743
-22	-14.435	-4.261
-21	-19.531	-3.755
-20	-14.640	-3.226
-19	-17.521	-2.669
-18	-12.591	-2.082
-17	-20.645	-1.461

-16	-19.241	-0.803
-15	-7.556	-0.102
-14	-14.339	0.647
-13	-14.215	1.451
-12	-5.387	2.320
-11	-13.537	3.265
-10	-6.358	4.300
-9	-6.351	5.300
-8	-6.995	5.300
-7	-4.884	5.173
-6	6.302	6.846
-5	4.031	8.826
-4	6.716	11.249
-3	1.813	14.372
-2	15.846	18.774
-1	23.114	
-1.00044E-11	33.770	
1	21.863	
2	18.179	18.774
3	1.573	14.372
4	3.255	11.249
5	3.257	8.826
6	0.803	6.846
7	-5.430	5.173
8	-6.238	5.300
9	-16.963	5.300
10	-7.155	4.300
11	-15.818	3.265
12	-10.042	2.320
13	-10.942	1.451
14	-14.458	0.647
15	-14.826	-0.102
16	-8.534	-0.803
17	-17.041	-1.461
18	-9.202	-2.082
19	-24.039	-2.669
20	-16.877	-3.226
21	-20.731	-3.755
22	-21.477	-4.261
23	-15.372	-4.743
24	-13.276	-5.205

25	-16.785	-5.649
26	-13.528	-6.074
27	-13.796	-6.484
28	-13.195	-6.879
29	-10.236	-7.260
30	-11.972	-7.628
31	-12.102	-7.984
32	-14.346	-8.329
33	-13.197	-8.663
34	-15.884	-8.987
35	-19.201	-9.302
36	-22.380	-9.608
37	-20.219	-9.905
38	-20.783	-10.195
39	-18.785	-10.477
40	-19.142	-10.751
41	-20.921	-11.020
42	-17.411	-11.281
43	-18.379	-11.537
44	-19.792	-11.786
45	-18.310	-12.030
46	-19.745	-12.269
47	-17.273	-12.502
48	-16.812	-12.731
49	-16.932	-12.700
50	-15.812	-12.700
51	-15.960	-12.700
52	-17.799	-12.700
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61	-24.174	-12.700
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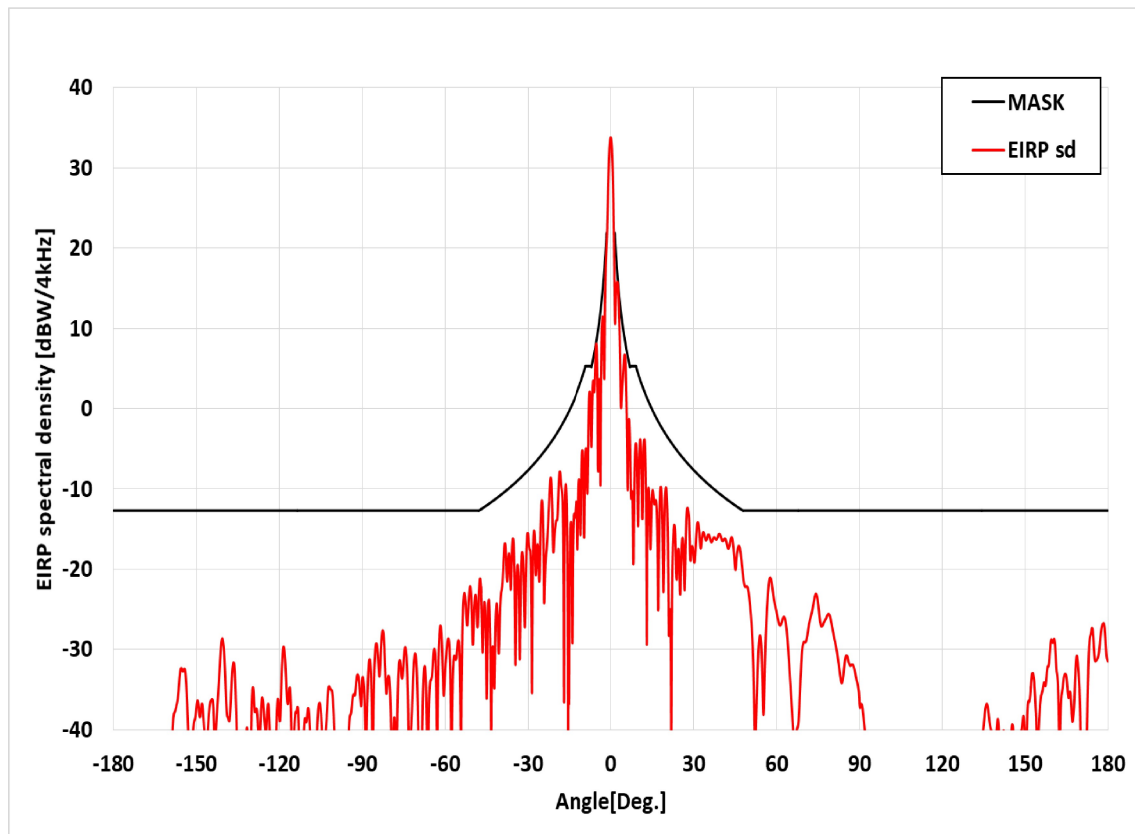
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74	-35.845	-12.700
75	-27.225	-12.700
76	-29.417	-12.700
77	-41.405	-12.700
78	-33.863	-12.700
79	-31.084	-12.700
80	-32.031	-12.700
81	-33.032	-12.700
82	-32.492	-12.700
83	-32.245	-12.700
84	-32.949	-12.700
85	-34.224	-12.700
86	-35.490	-12.700
87	-36.746	-12.700
88	-39.126	-12.700
89	-45.289	-12.700
90	-38.419	-12.700
91	-37.644	-12.700
92	-37.480	-12.700
93	-38.320	-12.700
94	-39.911	-12.700
95	-42.014	-12.700
96	-45.591	-12.700
97	-50.998	-12.700
98	-54.446	-12.700
99	-53.835	-12.700
100	-49.367	-12.700
101	-44.117	-12.700
102	-41.338	-12.700
103	-39.365	-12.700
104	-37.970	-12.700
105	-37.420	-12.700
106	-37.877	-12.700

107	-38.430	-12.700
108	-36.483	-12.700
109	-33.844	-12.700
110	-33.436	-12.700
111	-37.880	-12.700
112	-46.409	-12.700
113	-32.605	-12.700
114	-29.729	-12.700
115	-30.325	-12.700
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118	-35.716	-12.700
119	-30.502	-12.700
120	-37.919	-12.700
121	-31.612	-12.700
122	-33.875	-12.700
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124	-31.507	-12.700
125	-35.183	-12.700
126	-33.203	-12.700
127	-34.266	-12.700
128	-36.738	-12.700
129	-32.859	-12.700
130	-34.940	-12.700
131	-33.181	-12.700
132	-34.559	-12.700
133	-35.781	-12.700
134	-41.476	-12.700
135	-37.757	-12.700
136	-45.160	-12.700
137	-44.683	-12.700
138	-37.478	-12.700
139	-34.907	-12.700
140	-31.794	-12.700
141	-36.014	-12.700
142	-29.406	-12.700
143	-31.264	-12.700
144	-26.700	-12.700
145	-27.381	-12.700
146	-25.964	-12.700
147	-24.589	-12.700

148	-23.749	-12.700
149	-26.461	-12.700
150	-35.277	-12.700
151	-30.847	-12.700
152	-33.175	-12.700
153	-33.629	-12.700
154	-28.090	-12.700
155	-26.834	-12.700
156	-25.572	-12.700
157	-27.820	-12.700
158	-29.222	-12.700
159	-33.138	-12.700
160	-37.103	-12.700
161	-48.146	-12.700
162	-41.405	-12.700
163	-45.107	-12.700
164	-31.355	-12.700
165	-29.390	-12.700
166	-30.475	-12.700
167	-39.264	-12.700
168	-32.670	-12.700
169	-28.974	-12.700
170	-27.067	-12.700
171	-30.099	-12.700
172	-28.703	-12.700
173	-26.294	-12.700
174	-31.320	-12.700
175	-37.433	-12.700
176	-29.172	-12.700
177	-27.228	-12.700
178	-40.176	-12.700
179	-24.067	-12.700
180	-24.283	-12.700

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

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

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

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-180	-48.700	-12.700
-179	-50.202	-12.700
-178	-52.827	-12.700
-177	-45.694	-12.700
-176	-46.438	-12.700
-175	-50.782	-12.700
-174	-45.372	-12.700
-173	-48.256	-12.700
-172	-58.789	-12.700
-171	-58.903	-12.700
-170	-56.715	-12.700
-169	-47.813	-12.700
-168	-47.443	-12.700
-167	-49.530	-12.700
-166	-61.398	-12.700
-165	-48.495	-12.700
-164	-43.219	-12.700
-163	-42.680	-12.700
-162	-43.026	-12.700
-161	-47.856	-12.700
-160	-47.062	-12.700
-159	-45.284	-12.700
-158	-37.866	-12.700
-157	-36.574	-12.700
-156	-33.023	-12.700
-155	-32.730	-12.700
-154	-32.982	-12.700
-153	-40.473	-12.700
-152	-45.656	-12.700
-151	-39.237	-12.700
-150	-37.036	-12.700
-149	-38.061	-12.700
-148	-36.758	-12.700
-147	-40.376	-12.700
-146	-40.349	-12.700
-145	-36.532	-12.700
-144	-36.919	-12.700
-143	-40.499	-12.700
-142	-34.530	-12.700
-141	-29.073	-12.700
-140	-30.683	-12.700

-139	-38.115	-12.700
-138	-38.626	-12.700
-137	-32.463	-12.700
-136	-34.097	-12.700
-135	-43.740	-12.700
-134	-44.879	-12.700
-133	-50.396	-12.700
-132	-40.830	-12.700
-131	-49.385	-12.700
-130	-36.766	-12.700
-129	-37.582	-12.700
-128	-38.226	-12.700
-127	-39.984	-12.700
-126	-36.375	-12.700
-125	-40.270	-12.700
-124	-36.885	-12.700
-123	-42.986	-12.700
-122	-42.421	-12.700
-121	-38.555	-12.700
-120	-38.710	-12.700
-119	-31.230	-12.700
-118	-31.214	-12.700
-117	-36.803	-12.700
-116	-36.010	-12.700
-115	-42.497	-12.700
-114	-37.891	-12.700
-113	-40.857	-12.700
-112	-55.111	-12.700
-111	-39.134	-12.700
-110	-38.212	-12.700
-109	-39.979	-12.700
-108	-47.259	-12.700
-107	-42.658	-12.700
-106	-37.418	-12.700
-105	-38.017	-12.700
-104	-41.693	-12.700
-103	-38.918	-12.700
-102	-34.608	-12.700
-101	-35.261	-12.700
-100	-42.460	-12.700
-99	-46.481	-12.700

-98	-46.225	-12.700
-97	-44.459	-12.700
-96	-56.765	-12.700
-95	-41.311	-12.700
-94	-37.583	-12.700
-93	-35.666	-12.700
-92	-33.321	-12.700
-91	-35.116	-12.700
-90	-33.509	-12.700
-89	-39.616	-12.700
-88	-33.650	-12.700
-87	-32.659	-12.700
-86	-37.434	-12.700
-85	-29.254	-12.700
-84	-33.152	-12.700
-83	-28.308	-12.700
-82	-30.450	-12.700
-81	-34.298	-12.700
-80	-35.462	-12.700
-79	-44.305	-12.700
-78	-42.910	-12.700
-77	-32.859	-12.700
-76	-32.804	-12.700
-75	-30.831	-12.700
-74	-31.367	-12.700
-73	-45.483	-12.700
-72	-36.622	-12.700
-71	-30.517	-12.700
-70	-37.215	-12.700
-69	-58.060	-12.700
-68	-34.132	-12.700
-67	-34.680	-12.700
-66	-37.587	-12.700
-65	-33.572	-12.700
-64	-29.934	-12.700
-63	-43.151	-12.700
-62	-27.326	-12.700
-61	-32.264	-12.700
-60	-32.088	-12.700
-59	-28.659	-12.700
-58	-39.426	-12.700

-57	-31.098	-12.700
-56	-30.763	-12.700
-55	-29.900	-12.700
-54	-29.944	-12.700
-53	-23.160	-12.700
-52	-26.673	-12.700
-51	-22.168	-12.700
-50	-29.312	-12.700
-49	-23.446	-12.700
-48	-24.182	-12.731
-47	-24.039	-12.502
-46	-24.451	-12.269
-45	-34.334	-12.030
-44	-25.587	-11.786
-43	-30.091	-11.537
-42	-28.681	-11.281
-41	-27.506	-11.020
-40	-23.410	-10.751
-39	-19.108	-10.477
-38	-19.083	-10.195
-37	-18.049	-9.905
-36	-18.639	-9.608
-35	-22.111	-9.302
-34	-19.539	-8.987
-33	-28.234	-8.663
-32	-18.601	-8.329
-31	-22.965	-7.984
-30	-16.100	-7.628
-29	-21.104	-7.260
-28	-15.226	-6.879
-27	-18.399	-6.484
-26	-21.349	-6.074
-25	-11.568	-5.649
-24	-21.048	-5.205
-23	-15.125	-4.743
-22	-8.654	-4.261
-21	-17.883	-3.755
-20	-14.008	-3.226
-19	-9.230	-2.669
-18	-9.952	-2.082
-17	-20.242	-1.461

-16	-15.772	-0.803
-15	-19.366	-0.102
-14	-26.525	0.647
-13	-13.260	1.451
-12	-16.386	2.320
-11	-15.242	3.265
-10	-6.638	4.300
-9	-4.964	5.300
-8	-1.317	5.300
-7	-4.738	5.173
-6	2.141	6.846
-5	6.876	8.826
-4	3.094	11.249
-3	11.210	14.372
-2	14.314	18.774
-1	26.033	
-1.00044E-11	33.770	
1	25.365	
2	14.788	18.774
3	12.690	14.372
4	1.523	11.249
5	6.723	8.826
6	-6.447	6.846
7	-4.424	5.173
8	-13.158	5.300
9	-4.562	5.300
10	-13.836	4.300
11	-5.317	3.265
12	-4.526	2.320
13	-22.347	1.451
14	-11.680	0.647
15	-10.567	-0.102
16	-11.807	-0.803
17	-17.821	-1.461
18	-10.064	-2.082
19	-21.667	-2.669
20	-9.814	-3.226
21	-24.957	-3.755
22	-38.456	-4.261
23	-14.473	-4.743
24	-20.803	-5.205

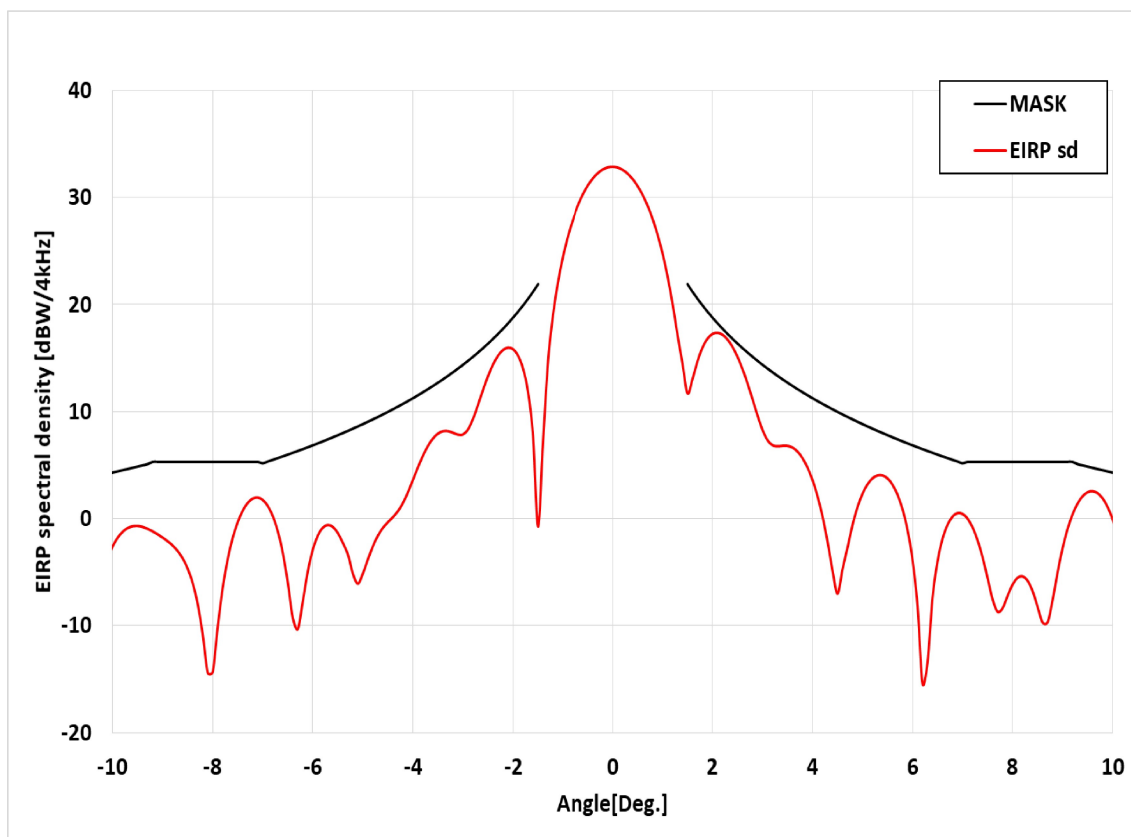
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26	-16.102	-6.074
27	-19.470	-6.484
28	-12.562	-6.879
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30	-18.313	-7.628
31	-15.694	-7.984
32	-14.976	-8.329
33	-16.347	-8.663
34	-15.829	-8.987
35	-15.992	-9.302
36	-16.216	-9.608
37	-16.287	-9.905
38	-16.238	-10.195
39	-15.763	-10.477
40	-16.087	-10.751
41	-16.302	-11.020
42	-16.761	-11.281
43	-17.057	-11.537
44	-16.159	-11.786
45	-19.634	-12.030
46	-17.520	-12.269
47	-17.877	-12.502
48	-21.077	-12.731
49	-22.171	-12.700
50	-23.094	-12.700
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56	-30.132	-12.700
57	-22.651	-12.700
58	-21.211	-12.700
59	-23.502	-12.700
60	-25.243	-12.700
61	-26.837	-12.700
62	-26.491	-12.700
63	-26.063	-12.700
64	-28.764	-12.700
65	-34.009	-12.700

66	-39.816	-12.700
67	-41.188	-12.700
68	-39.048	-12.700
69	-31.677	-12.700
70	-29.056	-12.700
71	-28.592	-12.700
72	-26.530	-12.700
73	-25.100	-12.700
74	-23.277	-12.700
75	-24.034	-12.700
76	-26.837	-12.700
77	-26.784	-12.700
78	-26.111	-12.700
79	-25.595	-12.700
80	-26.845	-12.700
81	-28.662	-12.700
82	-30.474	-12.700
83	-33.091	-12.700
84	-33.847	-12.700
85	-31.031	-12.700
86	-31.345	-12.700
87	-31.976	-12.700
88	-32.159	-12.700
89	-33.722	-12.700
90	-35.935	-12.700
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92	-40.104	-12.700
93	-41.448	-12.700
94	-43.821	-12.700
95	-48.206	-12.700
96	-46.918	-12.700
97	-46.407	-12.700
98	-49.174	-12.700
99	-46.755	-12.700
100	-44.519	-12.700
101	-46.954	-12.700
102	-59.886	-12.700
103	-50.149	-12.700
104	-44.979	-12.700
105	-43.599	-12.700
106	-44.046	-12.700

107	-45.392	-12.700
108	-47.309	-12.700
109	-49.591	-12.700
110	-52.870	-12.700
111	-56.532	-12.700
112	-60.011	-12.700
113	-62.225	-12.700
114	-62.010	-12.700
115	-59.500	-12.700
116	-55.933	-12.700
117	-52.305	-12.700
118	-49.155	-12.700
119	-46.976	-12.700
120	-45.121	-12.700
121	-43.907	-12.700
122	-43.640	-12.700
123	-45.455	-12.700
124	-51.870	-12.700
125	-56.076	-12.700
126	-46.131	-12.700
127	-44.547	-12.700
128	-47.417	-12.700
129	-48.774	-12.700
130	-46.238	-12.700
131	-47.301	-12.700
132	-47.773	-12.700
133	-43.182	-12.700
134	-41.360	-12.700
135	-39.544	-12.700
136	-36.830	-12.700
137	-38.553	-12.700
138	-40.368	-12.700
139	-47.476	-12.700
140	-38.885	-12.700
141	-46.411	-12.700
142	-40.486	-12.700
143	-46.367	-12.700
144	-52.213	-12.700
145	-40.728	-12.700
146	-40.920	-12.700
147	-40.794	-12.700

148	-42.252	-12.700
149	-39.331	-12.700
150	-42.571	-12.700
151	-36.972	-12.700
152	-35.224	-12.700
153	-33.139	-12.700
154	-38.250	-12.700
155	-39.706	-12.700
156	-35.568	-12.700
157	-34.195	-12.700
158	-32.555	-12.700
159	-30.353	-12.700
160	-29.147	-12.700
161	-30.202	-12.700
162	-35.010	-12.700
163	-36.745	-12.700
164	-33.647	-12.700
165	-33.458	-12.700
166	-35.702	-12.700
167	-38.527	-12.700
168	-35.117	-12.700
169	-31.260	-12.700
170	-38.501	-12.700
171	-44.352	-12.700
172	-54.559	-12.700
173	-31.365	-12.700
174	-27.703	-12.700
175	-30.212	-12.700
176	-31.295	-12.700
177	-29.650	-12.700
178	-26.948	-12.700
179	-28.149	-12.700
180	-31.462	-12.700

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-2.601	4.300
-9.9	-1.796	4.409
-9.8	-1.239	4.519
-9.7	-0.891	4.631
-9.6	-0.718	4.743
-9.5	-0.690	4.857
-9.4	-0.779	4.972
-9.3	-0.955	5.088
-9.2	-1.193	5.300
-9.1	-1.470	5.300
-9	-1.777	5.300
-8.9	-2.119	5.300
-8.8	-2.522	5.300
-8.7	-3.033	5.300
-8.6	-3.720	5.300
-8.5	-4.675	5.300
-8.4	-6.030	5.300
-8.3	-7.984	5.300
-8.2	-10.830	5.300
-8.1	-14.397	5.300
-8	-14.333	5.300
-7.9	-10.096	5.300
-7.8	-6.458	5.300
-7.7	-3.780	5.300
-7.6	-1.793	5.300
-7.5	-0.317	5.300
-7.4	0.753	5.300
-7.3	1.473	5.300
-7.2	1.874	5.300
-7.1	1.966	5.300
-7	1.741	5.173
-6.9	1.176	5.329
-6.8	0.222	5.487
-6.7	-1.201	5.648
-6.6	-3.222	5.811
-6.5	-6.000	5.977
-6.4	-9.283	6.146
-6.3	-10.332	6.316
-6.2	-7.695	6.490
-6.1	-4.892	6.667
-6	-2.886	6.846

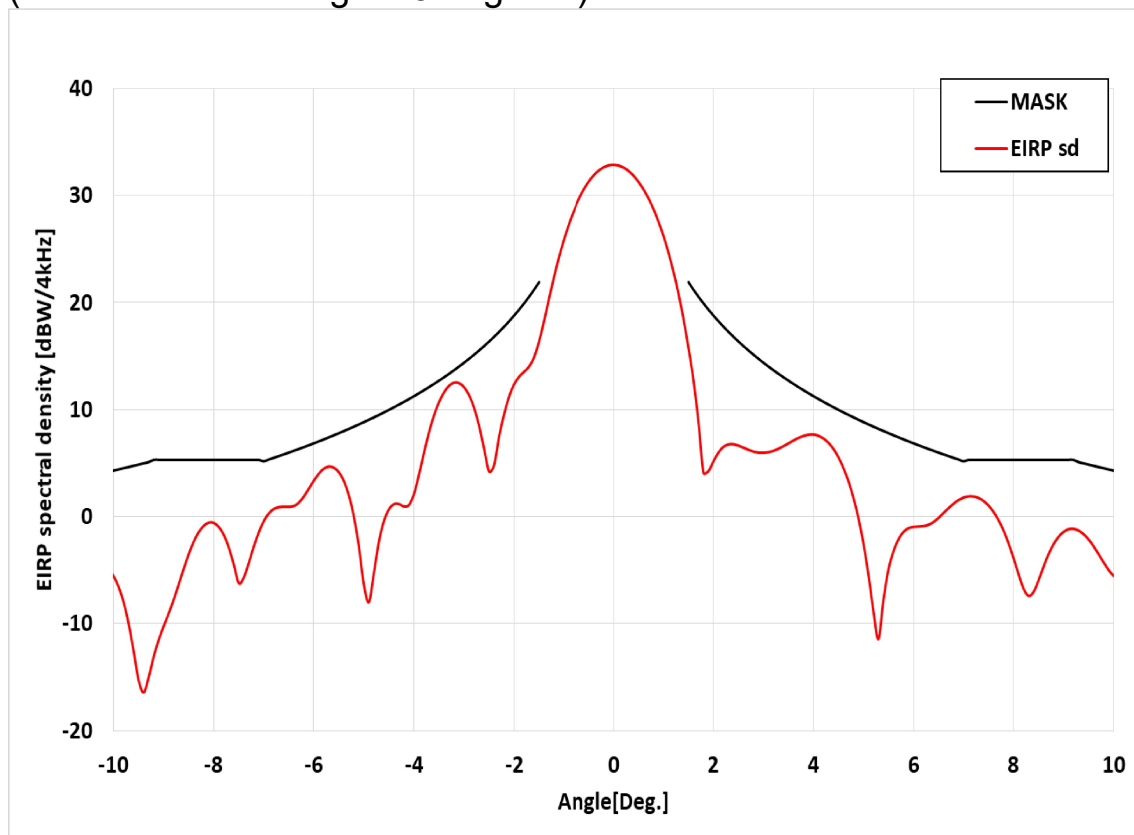
-5.9	-1.583	7.029
-5.8	-0.848	7.214
-5.7	-0.597	7.403
-5.6	-0.781	7.595
-5.5	-1.366	7.791
-5.4	-2.285	7.990
-5.3	-3.356	8.193
-5.2	-5.142	8.400
-5.1	-6.080	8.611
-5	-5.125	8.826
-4.9	-3.808	9.045
-4.8	-2.573	9.269
-4.7	-1.588	9.498
-4.6	-0.863	9.731
-4.5	-0.329	9.970
-4.4	0.138	10.214
-4.3	0.691	10.463
-4.2	1.460	10.719
-4.1	2.468	10.980
-4	3.629	11.249
-3.9	4.806	11.523
-3.8	5.885	11.805
-3.7	6.791	12.095
-3.6	7.482	12.392
-3.5	7.940	12.698
-3.4	8.163	13.013
-3.3	8.169	13.337
-3.2	8.017	13.671
-3.1	7.839	14.016
-3	7.864	14.372
-2.9	8.337	14.740
-2.8	9.325	15.121
-2.7	10.645	15.516
-2.6	12.039	15.926
-2.5	13.324	16.351
-2.4	14.401	16.795
-2.3	15.222	17.257
-2.2	15.756	17.739
-2.1	15.970	18.245
-2	15.816	18.774
-1.9	15.207	19.331

-1.8	13.979	19.918
-1.7	11.777	20.539
-1.6	7.610	21.197
-1.5	-0.747	21.898
-1.4	7.400	
-1.3	14.790	
-1.2	19.107	
-1.1	22.167	
-1	24.520	
-0.9	26.402	
-0.8	27.938	
-0.7	29.201	
-0.6	30.236	
-0.5	31.075	
-0.4	31.738	
-0.3	32.241	
-0.2	32.593	
-0.1	32.802	
-1.00044E-11	32.870	
0.1	32.800	
0.2	32.591	
0.3	32.240	
0.4	31.741	
0.5	31.085	
0.6	30.259	
0.7	29.246	
0.8	28.021	
0.9	26.549	
1	24.783	
1.1	22.659	
1.2	20.112	
1.3	17.174	
1.4	14.461	
1.5	11.697	21.898
1.6	13.026	21.197
1.7	14.692	20.539
1.8	15.974	19.918
1.9	16.808	19.331
2	17.250	18.774
2.1	17.359	18.245
2.2	17.177	17.739

2.3	16.731	17.257
2.4	16.038	16.795
2.5	15.112	16.351
2.6	13.967	15.926
2.7	12.627	15.516
2.8	11.147	15.121
2.9	9.637	14.740
3	8.290	14.372
3.1	7.330	14.016
3.2	6.859	13.671
3.3	6.758	13.337
3.4	6.800	13.013
3.5	6.795	12.698
3.6	6.634	12.392
3.7	6.262	12.095
3.8	5.648	11.805
3.9	4.770	11.523
4	3.599	11.249
4.1	2.094	10.980
4.2	0.196	10.719
4.3	-2.152	10.463
4.4	-4.857	10.214
4.5	-7.015	9.970
4.6	-4.761	9.731
4.7	-2.710	9.498
4.8	-0.606	9.269
4.9	1.069	9.045
5	2.316	8.826
5.1	3.196	8.611
5.2	3.760	8.400
5.3	4.035	8.193
5.4	4.034	7.990
5.5	3.751	7.791
5.6	3.164	7.595
5.7	2.229	7.403
5.8	0.868	7.214
5.9	-1.064	7.029
6	-3.857	6.846
6.1	-8.190	6.667
6.2	-15.415	6.490
6.3	-13.480	6.316

6.4	-7.447	6.146
6.5	-4.023	5.977
6.6	-1.911	5.811
6.7	-0.585	5.648
6.8	0.184	5.487
6.9	0.506	5.329
7	0.438	5.173
7.1	-0.001	5.300
7.2	-0.810	5.300
7.3	-2.005	5.300
7.4	-3.600	5.300
7.5	-5.543	5.300
7.6	-7.522	5.300
7.7	-8.691	5.300
7.8	-8.376	5.300
7.9	-7.248	5.300
8	-6.187	5.300
8.1	-5.542	5.300
8.2	-5.403	5.300
8.3	-5.799	5.300
8.4	-6.754	5.300
8.5	-8.217	5.300
8.6	-9.698	5.300
8.7	-9.708	5.300
8.8	-7.655	5.300
8.9	-5.054	5.300
9	-2.786	5.300
9.1	-0.986	5.300
9.2	0.388	5.300
9.3	1.394	5.088
9.4	2.076	4.972
9.5	2.460	4.857
9.6	2.561	4.743
9.7	2.380	4.631
9.8	1.906	4.519
9.9	1.111	4.409
10	-0.057	4.300

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-5.574	4.300
-9.9	-6.565	4.409
-9.8	-8.005	4.519
-9.7	-9.998	4.631
-9.6	-12.573	4.743
-9.5	-15.323	4.857
-9.4	-16.426	4.972
-9.3	-15.026	5.088
-9.2	-13.098	5.300
-9.1	-11.531	5.300
-9	-10.241	5.300
-8.9	-9.044	5.300
-8.8	-7.759	5.300
-8.7	-6.348	5.300
-8.6	-4.890	5.300
-8.5	-3.525	5.300
-8.4	-2.358	5.300
-8.3	-1.460	5.300
-8.2	-0.864	5.300
-8.1	-0.567	5.300
-8	-0.583	5.300
-7.9	-0.968	5.300
-7.8	-1.698	5.300
-7.7	-2.879	5.300
-7.6	-4.470	5.300
-7.5	-6.209	5.300
-7.4	-5.687	5.300
-7.3	-4.325	5.300
-7.2	-2.795	5.300
-7.1	-1.474	5.300
-7	-0.437	5.173
-6.9	0.296	5.329
-6.8	0.709	5.487
-6.7	0.880	5.648
-6.6	0.911	5.811
-6.5	0.913	5.977
-6.4	0.980	6.146
-6.3	1.294	6.316
-6.2	1.879	6.490
-6.1	2.618	6.667
-6	3.358	6.846

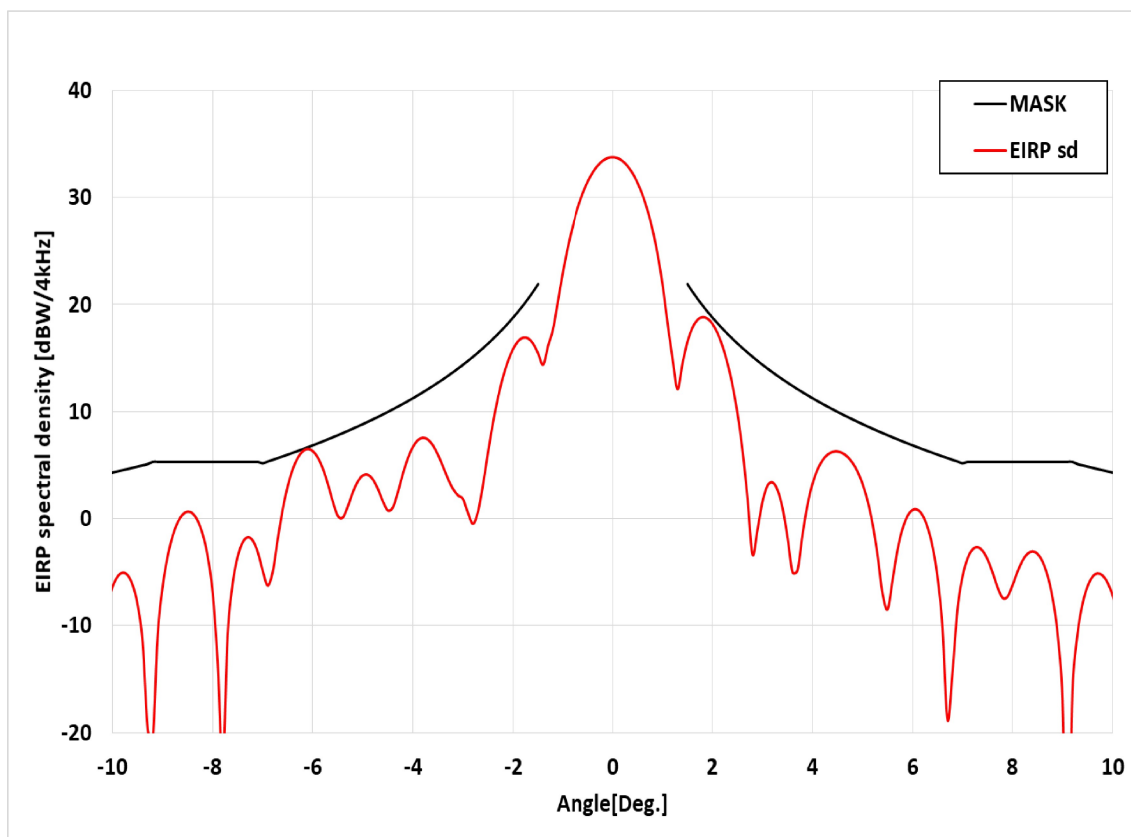
-5.9	4.007	7.029
-5.8	4.475	7.214
-5.7	4.670	7.403
-5.6	4.566	7.595
-5.5	4.134	7.791
-5.4	3.312	7.990
-5.3	1.962	8.193
-5.2	-0.017	8.400
-5.1	-2.815	8.611
-5	-6.377	8.826
-4.9	-7.995	9.045
-4.8	-5.243	9.269
-4.7	-2.320	9.498
-4.6	-0.417	9.731
-4.5	0.679	9.970
-4.4	1.159	10.214
-4.3	1.172	10.463
-4.2	0.948	10.719
-4.1	1.085	10.980
-4	2.120	11.249
-3.9	3.928	11.523
-3.8	5.966	11.805
-3.7	7.854	12.095
-3.6	9.444	12.392
-3.5	10.685	12.698
-3.4	11.605	13.013
-3.3	12.216	13.337
-3.2	12.512	13.671
-3.1	12.470	14.016
-3	12.094	14.372
-2.9	11.349	14.740
-2.8	10.165	15.121
-2.7	8.483	15.516
-2.6	6.331	15.926
-2.5	4.218	16.351
-2.4	4.783	16.795
-2.3	7.458	17.257
-2.2	9.549	17.739
-2.1	11.211	18.245
-2	12.345	18.774
-1.9	13.063	19.331

-1.8	13.531	19.918
-1.7	14.016	20.539
-1.6	14.895	21.197
-1.5	16.373	21.898
-1.4	18.307	
-1.3	20.407	
-1.2	22.431	
-1.1	24.276	
-1	25.914	
-0.9	27.346	
-0.8	28.587	
-0.7	29.651	
-0.6	30.537	
-0.5	31.270	
-0.4	31.861	
-0.3	32.312	
-0.2	32.621	
-0.1	32.806	
-1.00044E-11	32.870	
0.1	32.802	
0.2	32.608	
0.3	32.295	
0.4	31.859	
0.5	31.280	
0.6	30.570	
0.7	29.721	
0.8	28.720	
0.9	27.549	
1	26.200	
1.1	24.651	
1.2	22.871	
1.3	20.822	
1.4	18.458	
1.5	15.742	21.898
1.6	12.730	21.197
1.7	8.801	20.539
1.8	4.096	19.918
1.9	4.249	19.331
2	5.166	18.774
2.1	5.993	18.245
2.2	6.518	17.739

2.3	6.741	17.257
2.4	6.754	16.795
2.5	6.631	16.351
2.6	6.438	15.926
2.7	6.237	15.516
2.8	6.072	15.121
2.9	5.971	14.740
3	5.953	14.372
3.1	6.014	14.016
3.2	6.144	13.671
3.3	6.336	13.337
3.4	6.576	13.013
3.5	6.842	12.698
3.6	7.110	12.392
3.7	7.352	12.095
3.8	7.537	11.805
3.9	7.649	11.523
4	7.663	11.249
4.1	7.547	10.980
4.2	7.293	10.719
4.3	6.889	10.463
4.4	6.312	10.214
4.5	5.529	9.970
4.6	4.531	9.731
4.7	3.286	9.498
4.8	1.738	9.269
4.9	-0.178	9.045
5	-2.547	8.826
5.1	-5.469	8.611
5.2	-8.866	8.400
5.3	-11.454	8.193
5.4	-7.738	7.990
5.5	-4.906	7.791
5.6	-3.242	7.595
5.7	-2.116	7.403
5.8	-1.430	7.214
5.9	-1.089	7.029
6	-0.966	6.846
6.1	-0.933	6.667
6.2	-0.888	6.490
6.3	-0.768	6.316

6.4	-0.511	6.146
6.5	-0.127	5.977
6.6	0.329	5.811
6.7	0.785	5.648
6.8	1.201	5.487
6.9	1.541	5.329
7	1.774	5.173
7.1	1.887	5.300
7.2	1.879	5.300
7.3	1.743	5.300
7.4	1.460	5.300
7.5	1.029	5.300
7.6	0.438	5.300
7.7	-0.331	5.300
7.8	-1.300	5.300
7.9	-2.480	5.300
8	-3.863	5.300
8.1	-5.369	5.300
8.2	-6.721	5.300
8.3	-7.403	5.300
8.4	-7.050	5.300
8.5	-5.970	5.300
8.6	-4.693	5.300
8.7	-3.526	5.300
8.8	-2.582	5.300
8.9	-1.894	5.300
9	-1.433	5.300
9.1	-1.185	5.300
9.2	-1.147	5.300
9.3	-1.305	5.088
9.4	-1.638	4.972
9.5	-2.130	4.857
9.6	-2.762	4.743
9.7	-3.494	4.631
9.8	-4.261	4.519
9.9	-4.969	4.409
10	-5.527	4.300

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-6.358	4.300
-9.9	-5.412	4.409
-9.8	-5.053	4.519
-9.7	-5.288	4.631
-9.6	-6.211	4.743
-9.5	-8.077	4.857
-9.4	-11.574	4.972
-9.3	-19.616	5.088
-9.2	-20.865	5.300
-9.1	-10.935	5.300
-9	-6.351	5.300
-8.9	-3.505	5.300
-8.8	-1.605	5.300
-8.7	-0.353	5.300
-8.6	0.381	5.300
-8.5	0.653	5.300
-8.4	0.470	5.300
-8.3	-0.207	5.300
-8.2	-1.479	5.300
-8.1	-3.564	5.300
-8	-6.995	5.300
-7.9	-13.571	5.300
-7.8	-22.949	5.300
-7.7	-10.737	5.300
-7.6	-6.020	5.300
-7.5	-3.519	5.300
-7.4	-2.202	5.300
-7.3	-1.748	5.300
-7.2	-2.061	5.300
-7.1	-3.140	5.300
-7	-4.884	5.173
-6.9	-6.255	5.329
-6.8	-4.938	5.487
-6.7	-1.885	5.648
-6.6	0.913	5.811
-6.5	3.063	5.977
-6.4	4.625	6.146
-6.3	5.684	6.316
-6.2	6.299	6.490
-6.1	6.502	6.667
-6	6.302	6.846

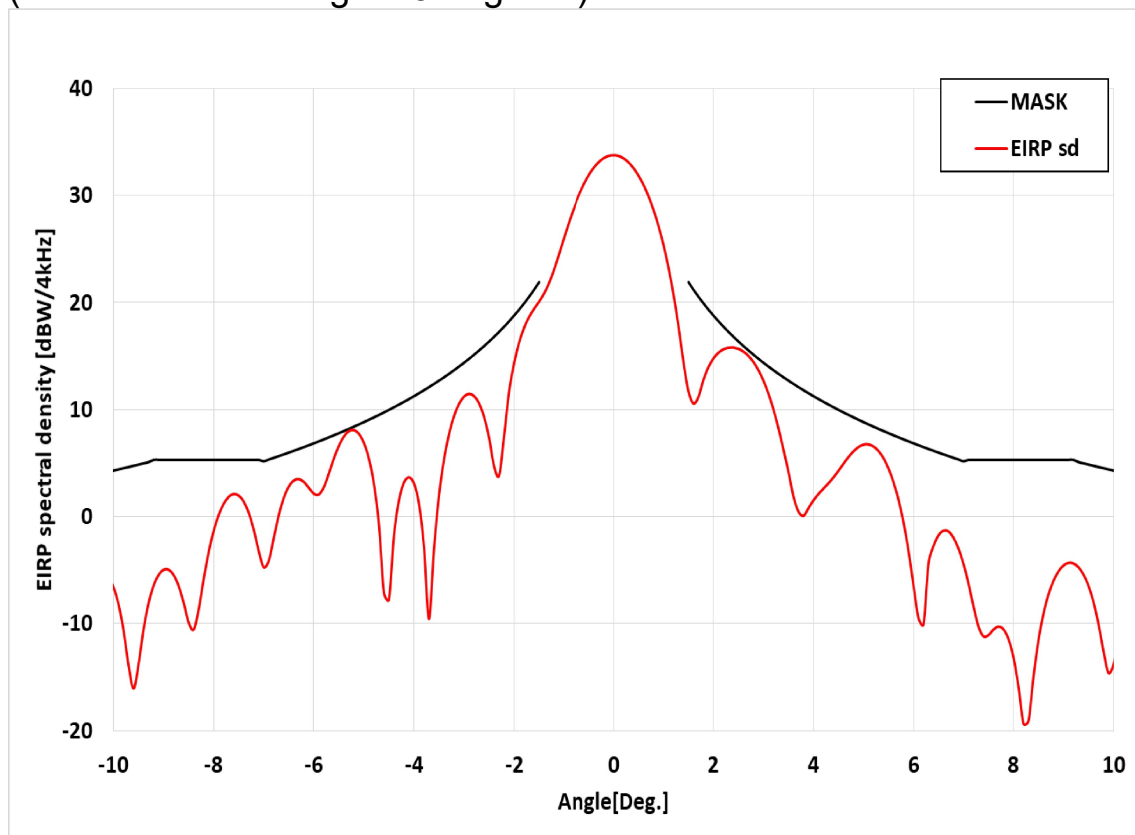
-5.9	5.694	7.029
-5.8	4.666	7.214
-5.7	3.236	7.403
-5.6	1.566	7.595
-5.5	0.232	7.791
-5.4	0.113	7.990
-5.3	1.160	8.193
-5.2	2.469	8.400
-5.1	3.482	8.611
-5	4.031	8.826
-4.9	4.086	9.045
-4.8	3.647	9.269
-4.7	2.756	9.498
-4.6	1.598	9.731
-4.5	0.749	9.970
-4.4	1.061	10.214
-4.3	2.497	10.463
-4.2	4.210	10.719
-4.1	5.668	10.980
-4	6.716	11.249
-3.9	7.340	11.523
-3.8	7.555	11.805
-3.7	7.377	12.095
-3.6	6.832	12.392
-3.5	5.959	12.698
-3.4	4.855	13.013
-3.3	3.704	13.337
-3.2	2.763	13.671
-3.1	2.173	14.016
-3	1.813	14.372
-2.9	0.512	14.740
-2.8	-0.483	15.121
-2.7	0.677	15.516
-2.6	3.221	15.926
-2.5	6.225	16.351
-2.4	8.998	16.795
-2.3	11.344	17.257
-2.2	13.251	17.739
-2.1	14.744	18.245
-2	15.846	18.774
-1.9	16.568	19.331

-1.8	16.905	19.918
-1.7	16.837	20.539
-1.6	16.338	21.197
-1.5	15.429	21.898
-1.4	14.380	
-1.3	16.150	
-1.2	17.751	
-1.1	20.432	
-1	23.114	
-0.9	25.447	
-0.8	27.404	
-0.7	29.028	
-0.6	30.363	
-0.5	31.446	
-0.4	32.302	
-0.3	32.952	
-0.2	33.408	
-0.1	33.680	
-1.00044E-11	33.770	
0.1	33.680	
0.2	33.407	
0.3	32.942	
0.4	32.274	
0.5	31.382	
0.6	30.237	
0.7	28.796	
0.8	26.993	
0.9	24.729	
1	21.863	
1.1	18.310	
1.2	14.979	
1.3	12.094	
1.4	14.498	
1.5	16.522	21.898
1.6	17.835	21.197
1.7	18.564	20.539
1.8	18.823	19.918
1.9	18.683	19.331
2	18.179	18.774
2.1	17.326	18.245
2.2	16.111	17.739

2.3	14.503	17.257
2.4	12.436	16.795
2.5	9.793	16.351
2.6	6.371	15.926
2.7	1.856	15.516
2.8	-3.363	15.121
2.9	-1.028	14.740
3	1.573	14.372
3.1	3.075	14.016
3.2	3.380	13.671
3.3	2.680	13.337
3.4	0.996	13.013
3.5	-1.758	12.698
3.6	-5.004	12.392
3.7	-4.845	12.095
3.8	-1.533	11.805
3.9	1.290	11.523
4	3.255	11.249
4.1	4.581	10.980
4.2	5.447	10.719
4.3	5.971	10.463
4.4	6.229	10.214
4.5	6.270	9.970
4.6	6.117	9.731
4.7	5.772	9.498
4.8	5.212	9.269
4.9	4.396	9.045
5	3.257	8.826
5.1	1.692	8.611
5.2	-0.454	8.400
5.3	-3.385	8.193
5.4	-6.999	7.990
5.5	-8.493	7.791
5.6	-5.787	7.595
5.7	-2.921	7.403
5.8	-0.958	7.214
5.9	0.235	7.029
6	0.803	6.846
6.1	0.822	6.667
6.2	0.305	6.490
6.3	-0.794	6.316

6.4	-2.609	6.146
6.5	-5.457	5.977
6.6	-10.174	5.811
6.7	-18.806	5.648
6.8	-14.315	5.487
6.9	-8.469	5.329
7	-5.430	5.173
7.1	-3.735	5.300
7.2	-2.886	5.300
7.3	-2.673	5.300
7.4	-3.000	5.300
7.5	-3.810	5.300
7.6	-5.025	5.300
7.7	-6.416	5.300
7.8	-7.402	5.300
7.9	-7.294	5.300
8	-6.238	5.300
8.1	-4.965	5.300
8.2	-3.931	5.300
8.3	-3.286	5.300
8.4	-3.068	5.300
8.5	-3.297	5.300
8.6	-4.016	5.300
8.7	-5.315	5.300
8.8	-7.395	5.300
8.9	-10.737	5.300
9	-16.963	5.300
9.1	-38.172	5.300
9.2	-16.091	5.300
9.3	-10.788	5.088
9.4	-7.976	4.972
9.5	-6.333	4.857
9.6	-5.440	4.743
9.7	-5.124	4.631
9.8	-5.309	4.519
9.9	-5.977	4.409
10	-7.155	4.300

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input power spectral density is @ -7.43 dBW/ 4kHz

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

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-10	-6.638	4.300
-9.9	-8.232	4.409
-9.8	-10.671	4.519
-9.7	-13.934	4.631
-9.6	-16.065	4.743
-9.5	-13.730	4.857
-9.4	-10.473	4.972
-9.3	-8.058	5.088
-9.2	-6.433	5.300
-9.1	-5.445	5.300
-9	-4.964	5.300
-8.9	-4.968	5.300
-8.8	-5.476	5.300
-8.7	-6.494	5.300
-8.6	-8.059	5.300
-8.5	-9.904	5.300
-8.4	-10.559	5.300
-8.3	-8.664	5.300
-8.2	-5.815	5.300
-8.1	-3.293	5.300
-8	-1.317	5.300
-7.9	0.162	5.300
-7.8	1.204	5.300
-7.7	1.850	5.300
-7.6	2.107	5.300
-7.5	1.958	5.300
-7.4	1.378	5.300
-7.3	0.329	5.300
-7.2	-1.244	5.300
-7.1	-3.244	5.300
-7	-4.738	5.173
-6.9	-4.115	5.329
-6.8	-1.980	5.487
-6.7	0.144	5.648
-6.6	1.756	5.811
-6.5	2.812	5.977
-6.4	3.370	6.146
-6.3	3.495	6.316
-6.2	3.235	6.490
-6.1	2.679	6.667
-6	2.141	6.846

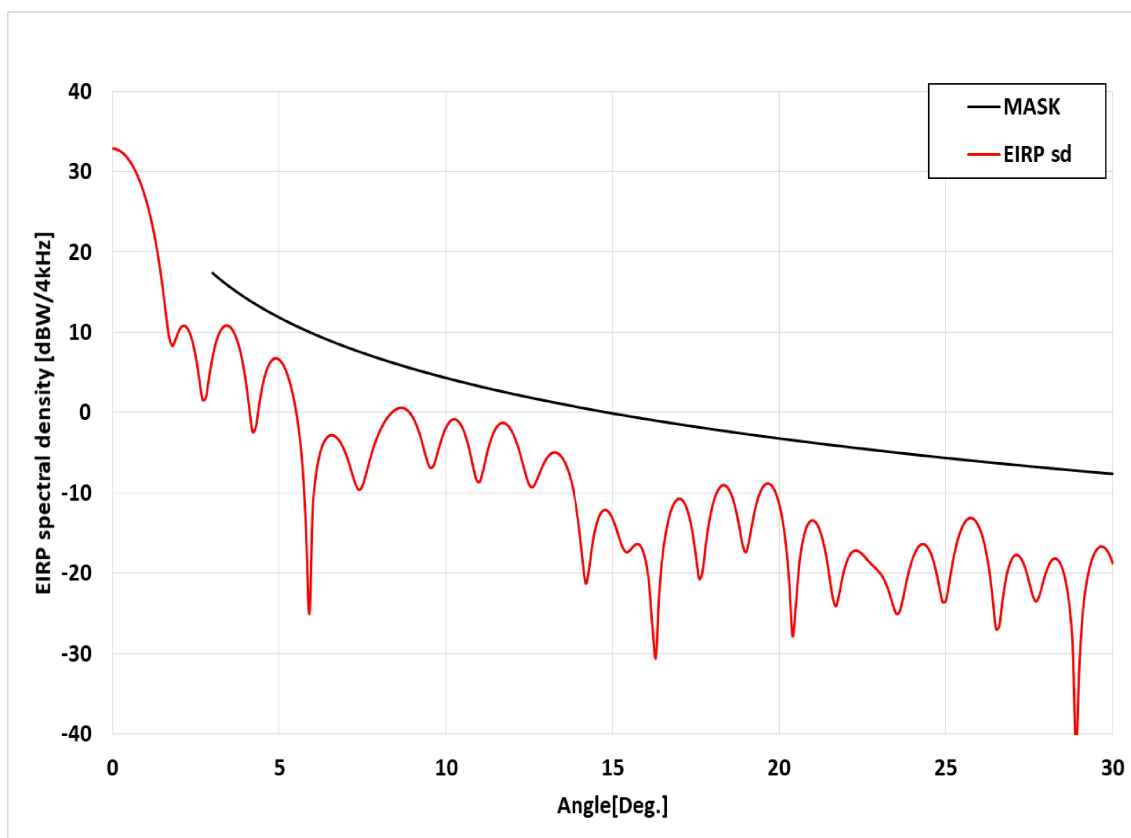
-5.9	2.071	7.029
-5.8	2.758	7.214
-5.7	4.032	7.403
-5.6	5.429	7.595
-5.5	6.622	7.791
-5.4	7.485	7.990
-5.3	7.985	8.193
-5.2	8.086	8.400
-5.1	7.728	8.611
-5	6.876	8.826
-4.9	5.408	9.045
-4.8	3.038	9.269
-4.7	-0.773	9.498
-4.6	-7.115	9.731
-4.5	-7.769	9.970
-4.4	-1.802	10.214
-4.3	1.506	10.463
-4.2	3.176	10.719
-4.1	3.669	10.980
-4	3.094	11.249
-3.9	1.178	11.523
-3.8	-2.867	11.805
-3.7	-9.567	12.095
-3.6	-3.041	12.392
-3.5	1.960	12.698
-3.4	5.323	13.013
-3.3	7.694	13.337
-3.2	9.379	13.671
-3.1	10.524	14.016
-3	11.210	14.372
-2.9	11.460	14.740
-2.8	11.253	15.121
-2.7	10.567	15.516
-2.6	9.308	15.926
-2.5	7.348	16.351
-2.4	4.705	16.795
-2.3	3.810	17.257
-2.2	7.529	17.739
-2.1	11.692	18.245
-2	14.314	18.774
-1.9	16.252	19.331

-1.8	17.643	19.918
-1.7	18.652	20.539
-1.6	19.412	21.197
-1.5	20.086	21.898
-1.4	20.852	
-1.3	21.836	
-1.2	23.091	
-1.1	24.537	
-1	26.033	
-0.9	27.478	
-0.8	28.812	
-0.7	29.996	
-0.6	31.015	
-0.5	31.868	
-0.4	32.562	
-0.3	33.094	
-0.2	33.470	
-0.1	33.694	
-1.00044E-11	33.770	
0.1	33.696	
0.2	33.469	
0.3	33.092	
0.4	32.560	
0.5	31.857	
0.6	30.984	
0.7	29.922	
0.8	28.651	
0.9	27.145	
1	25.365	
1.1	23.259	
1.2	20.752	
1.3	17.770	
1.4	14.399	
1.5	11.677	21.898
1.6	10.564	21.197
1.7	11.190	20.539
1.8	12.791	19.918
1.9	13.976	19.331
2	14.788	18.774
2.1	15.315	18.245
2.2	15.628	17.739

2.3	15.780	17.257
2.4	15.793	16.795
2.5	15.667	16.351
2.6	15.409	15.926
2.7	15.003	15.516
2.8	14.428	15.121
2.9	13.667	14.740
3	12.690	14.372
3.1	11.477	14.016
3.2	10.002	13.671
3.3	8.240	13.337
3.4	6.230	13.013
3.5	4.153	12.698
3.6	1.858	12.392
3.7	0.463	12.095
3.8	0.072	11.805
3.9	0.798	11.523
4	1.523	11.249
4.1	2.118	10.980
4.2	2.623	10.719
4.3	3.116	10.463
4.4	3.665	10.214
4.5	4.283	9.970
4.6	4.937	9.731
4.7	5.568	9.498
4.8	6.096	9.269
4.9	6.493	9.045
5	6.723	8.826
5.1	6.743	8.611
5.2	6.550	8.400
5.3	6.129	8.193
5.4	5.453	7.990
5.5	4.487	7.791
5.6	3.208	7.595
5.7	1.560	7.403
5.8	-0.551	7.214
5.9	-3.215	7.029
6	-6.447	6.846
6.1	-9.510	6.667
6.2	-10.082	6.490
6.3	-4.398	6.316

6.4	-2.754	6.146
6.5	-1.751	5.977
6.6	-1.320	5.811
6.7	-1.395	5.648
6.8	-1.982	5.487
6.9	-2.996	5.329
7	-4.424	5.173
7.1	-6.275	5.300
7.2	-8.397	5.300
7.3	-10.277	5.300
7.4	-11.198	5.300
7.5	-11.063	5.300
7.6	-10.554	5.300
7.7	-10.279	5.300
7.8	-10.546	5.300
7.9	-11.450	5.300
8	-13.158	5.300
8.1	-15.903	5.300
8.2	-19.361	5.300
8.3	-19.091	5.300
8.4	-14.962	5.300
8.5	-11.531	5.300
8.6	-9.062	5.300
8.7	-7.263	5.300
8.8	-5.994	5.300
8.9	-5.114	5.300
9	-4.562	5.300
9.1	-4.320	5.300
9.2	-4.379	5.300
9.3	-4.739	5.088
9.4	-5.421	4.972
9.5	-6.481	4.857
9.6	-7.995	4.743
9.7	-10.050	4.631
9.8	-12.581	4.519
9.9	-14.603	4.409
10	-13.836	4.300

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	32.870	
0.1	32.814	
0.2	32.646	
0.3	32.363	
0.4	31.961	
0.5	31.434	
0.6	30.774	
0.7	29.974	
0.8	29.019	
0.9	27.895	
1	26.580	
1.1	25.045	
1.2	23.251	
1.3	21.146	
1.4	18.662	
1.5	15.727	
1.6	12.389	
1.7	9.340	
1.8	8.320	
1.9	9.209	
2	10.251	
2.1	10.783	
2.2	10.725	
2.3	10.079	
2.4	8.818	
2.5	6.867	
2.6	4.206	
2.7	1.615	
2.8	1.862	
2.9	4.480	
3	6.925	17.372
3.1	8.696	17.016
3.2	9.876	16.671
3.3	10.570	16.337
3.4	10.847	16.013
3.5	10.744	15.698
3.6	10.270	15.392
3.7	9.405	15.095
3.8	8.105	14.805
3.9	6.279	14.523
4	3.792	14.249

4.1	0.566	13.980
4.2	-2.394	13.719
4.3	-1.730	13.463
4.4	1.078	13.214
4.5	3.415	12.970
4.6	5.023	12.731
4.7	6.044	12.498
4.8	6.599	12.269
4.9	6.762	12.045
5	6.574	11.826
5.1	6.053	11.611
5.2	5.196	11.400
5.3	3.976	11.193
5.4	2.336	10.990
5.5	0.164	10.791
5.6	-2.773	10.595
5.7	-7.039	10.403
5.8	-14.689	10.214
5.9	-25.032	10.029
6	-12.035	9.846
6.1	-7.698	9.667
6.2	-5.384	9.490
6.3	-4.026	9.316
6.4	-3.250	9.146
6.5	-2.882	8.977
6.6	-2.832	8.811
6.7	-3.054	8.648
6.8	-3.530	8.487
6.9	-4.259	8.329
7	-5.244	8.173
7.1	-6.475	8.019
7.2	-7.862	7.867
7.3	-9.107	7.717
7.4	-9.618	7.569
7.5	-8.997	7.423
7.6	-7.617	7.280
7.7	-6.065	7.138
7.8	-4.637	6.998
7.9	-3.413	6.859
8	-2.391	6.723
8.1	-1.545	6.588

8.2	-0.853	6.455
8.3	-0.298	6.323
8.4	0.129	6.193
8.5	0.424	6.065
8.6	0.578	5.938
8.7	0.576	5.812
8.8	0.397	5.688
8.9	0.015	5.565
9	-0.602	5.444
9.1	-1.484	5.324
9.2	-2.656	5.205
9.3	-4.101	5.088
9.4	-5.649	4.972
9.5	-6.772	4.857
9.6	-6.738	4.743
9.7	-5.602	4.631
9.8	-4.122	4.519
9.9	-2.800	4.409
10	-1.801	4.300
10.1	-1.152	4.192
10.2	-0.851	4.085
10.3	-0.892	3.979
10.4	-1.282	3.874
10.5	-2.042	3.770
10.6	-3.198	3.667
10.7	-4.770	3.565
10.8	-6.661	3.464
10.9	-8.336	3.364
11	-8.618	3.265
11.1	-7.268	3.167
11.2	-5.445	3.070
11.3	-3.861	2.973
11.4	-2.671	2.877
11.5	-1.867	2.783
11.6	-1.413	2.689
11.7	-1.277	2.595
11.8	-1.440	2.503
11.9	-1.894	2.411
12	-2.634	2.320
12.1	-3.663	2.230
12.2	-4.966	2.141

12.3	-6.482	2.052
12.4	-8.004	1.964
12.5	-9.082	1.877
12.6	-9.235	1.791
12.7	-8.533	1.705
12.8	-7.497	1.620
12.9	-6.516	1.535
13	-5.748	1.451
13.1	-5.237	1.368
13.2	-4.985	1.286
13.3	-4.991	1.204
13.4	-5.258	1.122
13.5	-5.798	1.042
13.6	-6.638	0.962
13.7	-7.825	0.882
13.8	-9.439	0.803
13.9	-11.609	0.725
14	-14.538	0.647
14.1	-18.352	0.570
14.2	-21.270	0.493
14.3	-19.351	0.417
14.4	-16.330	0.341
14.5	-14.215	0.266
14.6	-12.922	0.191
14.7	-12.264	0.117
14.8	-12.128	0.043
14.9	-12.448	-0.030
15	-13.180	-0.102
15.1	-14.264	-0.174
15.2	-15.559	-0.246
15.3	-16.748	-0.317
15.4	-17.370	-0.388
15.5	-17.257	-0.458
15.6	-16.776	-0.528
15.7	-16.403	-0.597
15.8	-16.442	-0.666
15.9	-17.090	-0.735
16	-18.584	-0.803
16.1	-21.404	-0.871
16.2	-26.798	-0.938
16.3	-30.512	-1.005

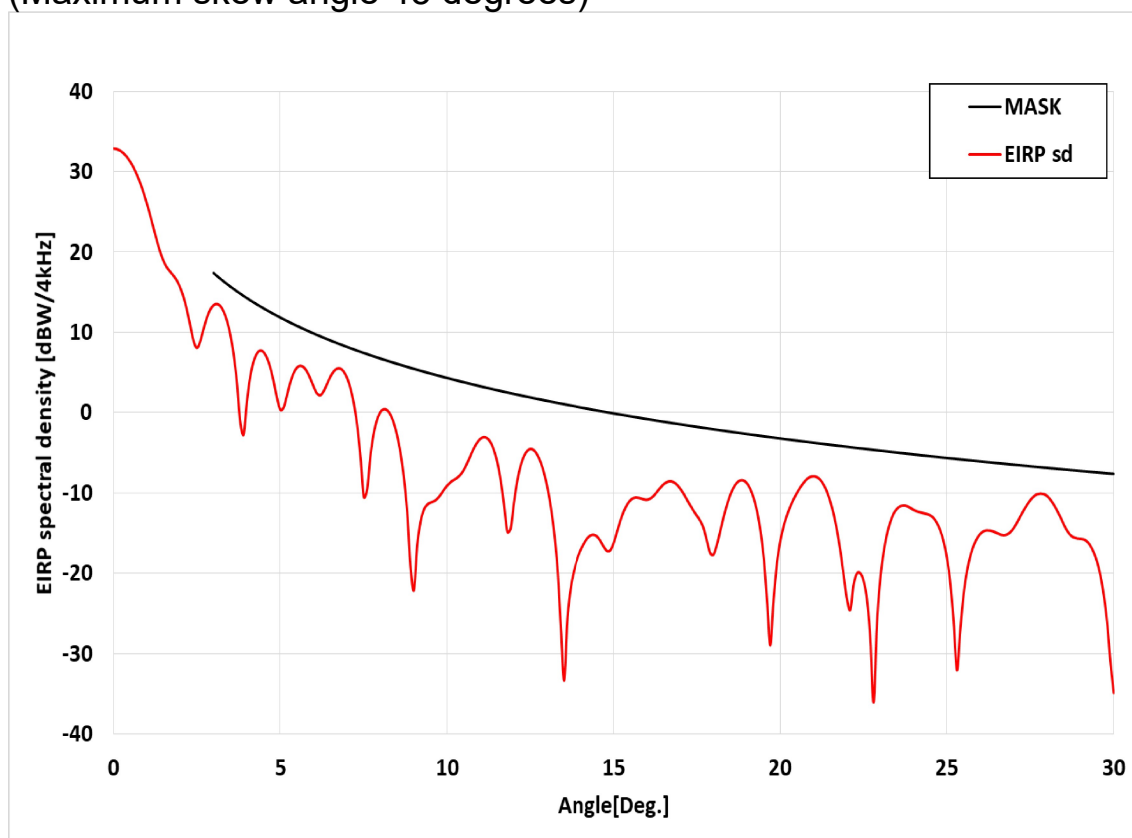
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16.5	-17.916	-1.137
16.6	-14.953	-1.203
16.7	-12.991	-1.268
16.8	-11.715	-1.333
16.9	-10.982	-1.397
17	-10.728	-1.461
17.1	-10.940	-1.525
17.2	-11.650	-1.588
17.3	-12.938	-1.651
17.4	-14.949	-1.714
17.5	-17.823	-1.776
17.6	-20.710	-1.838
17.7	-19.767	-1.899
17.8	-16.361	-1.961
17.9	-13.541	-2.021
18	-11.550	-2.082
18.1	-10.214	-2.142
18.2	-9.406	-2.202
18.3	-9.055	-2.261
18.4	-9.133	-2.320
18.5	-9.644	-2.379
18.6	-10.621	-2.438
18.7	-12.120	-2.496
18.8	-14.165	-2.554
18.9	-16.428	-2.612
19	-17.390	-2.669
19.1	-15.871	-2.726
19.2	-13.556	-2.783
19.3	-11.613	-2.839
19.4	-10.218	-2.895
19.5	-9.325	-2.951
19.6	-8.878	-3.006
19.7	-8.848	-3.062
19.8	-9.232	-3.117
19.9	-10.060	-3.171
20	-11.403	-3.226
20.1	-13.413	-3.280
20.2	-16.406	-3.334
20.3	-21.118	-3.387
20.4	-27.802	-3.441

20.5	-23.854	-3.494
20.6	-18.920	-3.547
20.7	-16.117	-3.599
20.8	-14.499	-3.652
20.9	-13.658	-3.704
21	-13.415	-3.755
21.1	-13.693	-3.807
21.2	-14.475	-3.858
21.3	-15.789	-3.909
21.4	-17.696	-3.960
21.5	-20.232	-4.011
21.6	-22.998	-4.061
21.7	-24.094	-4.111
21.8	-22.514	-4.161
21.9	-20.422	-4.211
22	-18.844	-4.261
22.1	-17.842	-4.310
22.2	-17.319	-4.359
22.3	-17.175	-4.408
22.4	-17.321	-4.456
22.5	-17.669	-4.505
22.6	-18.123	-4.553
22.7	-18.595	-4.601
22.8	-19.030	-4.648
22.9	-19.434	-4.696
23	-19.877	-4.743
23.1	-20.463	-4.790
23.2	-21.295	-4.837
23.3	-22.441	-4.884
23.4	-23.830	-4.930
23.5	-24.977	-4.977
23.6	-24.890	-5.023
23.7	-23.358	-5.069
23.8	-21.358	-5.114
23.9	-19.567	-5.160
24	-18.170	-5.205
24.1	-17.182	-5.250
24.2	-16.585	-5.295
24.3	-16.368	-5.340
24.4	-16.535	-5.385
24.5	-17.113	-5.429

24.6	-18.150	-5.473
24.7	-19.703	-5.517
24.8	-21.730	-5.561
24.9	-23.568	-5.605
25	-23.381	-5.649
25.1	-21.135	-5.692
25.2	-18.670	-5.735
25.3	-16.668	-5.778
25.4	-15.171	-5.821
25.5	-14.117	-5.864
25.6	-13.451	-5.906
25.7	-13.143	-5.948
25.8	-13.177	-5.990
25.9	-13.563	-6.032
26	-14.328	-6.074
26.1	-15.532	-6.116
26.2	-17.278	-6.158
26.3	-19.743	-6.199
26.4	-23.157	-6.240
26.5	-26.922	-6.281
26.6	-26.570	-6.322
26.7	-23.238	-6.363
26.8	-20.647	-6.403
26.9	-18.995	-6.444
27	-18.065	-6.484
27.1	-17.719	-6.524
27.2	-17.887	-6.564
27.3	-18.542	-6.604
27.4	-19.666	-6.644
27.5	-21.184	-6.683
27.6	-22.754	-6.723
27.7	-23.501	-6.762
27.8	-22.783	-6.801
27.9	-21.288	-6.840
28	-19.868	-6.879
28.1	-18.842	-6.918
28.2	-18.276	-6.956
28.3	-18.181	-6.995
28.4	-18.582	-7.033
28.5	-19.547	-7.071
28.6	-21.233	-7.109

28.7	-24.013	-7.147
28.8	-28.996	-7.185
28.9	-42.114	-7.222
29	-31.493	-7.260
29.1	-25.022	-7.297
29.2	-21.582	-7.335
29.3	-19.424	-7.372
29.4	-18.027	-7.409
29.5	-17.170	-7.446
29.6	-16.746	-7.482
29.7	-16.699	-7.519
29.8	-17.008	-7.555
29.9	-17.678	-7.592
30	-18.741	-7.628

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	32.870	
0.1	32.805	
0.2	32.615	
0.3	32.301	
0.4	31.854	
0.5	31.261	
0.6	30.529	
0.7	29.651	
0.8	28.613	
0.9	27.414	
1	26.064	
1.1	24.580	
1.2	23.004	
1.3	21.433	
1.4	20.013	
1.5	18.885	
1.6	18.092	
1.7	17.540	
1.8	17.047	
1.9	16.429	
2	15.566	
2.1	14.375	
2.2	12.797	
2.3	10.866	
2.4	8.946	
2.5	8.052	
2.6	8.849	
2.7	10.393	
2.8	11.802	
2.9	12.809	
3	13.370	17.372
3.1	13.519	17.016
3.2	13.268	16.671
3.3	12.592	16.337
3.4	11.439	16.013
3.5	9.731	15.698
3.6	7.283	15.392
3.7	3.732	15.095
3.8	-1.199	14.805
3.9	-2.771	14.523
4	1.375	14.249

4.1	4.478	13.980
4.2	6.346	13.719
4.3	7.369	13.463
4.4	7.726	13.214
4.5	7.523	12.970
4.6	6.815	12.731
4.7	5.593	12.498
4.8	3.855	12.269
4.9	1.819	12.045
5	0.347	11.826
5.1	0.638	11.611
5.2	2.175	11.400
5.3	3.760	11.193
5.4	4.934	10.990
5.5	5.608	10.791
5.6	5.826	10.595
5.7	5.640	10.403
5.8	5.081	10.214
5.9	4.206	10.029
6	3.190	9.846
6.1	2.372	9.667
6.2	2.165	9.490
6.3	2.676	9.316
6.4	3.574	9.146
6.5	4.470	8.977
6.6	5.129	8.811
6.7	5.465	8.648
6.8	5.462	8.487
6.9	5.086	8.329
7	4.288	8.173
7.1	3.011	8.019
7.2	1.142	7.867
7.3	-1.548	7.717
7.4	-5.495	7.569
7.5	-10.506	7.423
7.6	-9.576	7.280
7.7	-5.355	7.138
7.8	-2.560	6.998
7.9	-0.857	6.859
8	0.080	6.723
8.1	0.429	6.588

8.2	0.292	6.455
8.3	-0.285	6.323
8.4	-1.325	6.193
8.5	-2.885	6.065
8.6	-5.061	5.938
8.7	-8.069	5.812
8.8	-12.404	5.688
8.9	-19.248	5.565
9	-22.122	5.444
9.1	-16.517	5.324
9.2	-13.547	5.205
9.3	-12.097	5.088
9.4	-11.451	4.972
9.5	-11.201	4.857
9.6	-11.039	4.743
9.7	-10.732	4.631
9.8	-10.220	4.519
9.9	-9.614	4.409
10	-9.069	4.300
10.1	-8.658	4.192
10.2	-8.372	4.085
10.3	-8.102	3.979
10.4	-7.703	3.874
10.5	-7.079	3.770
10.6	-6.244	3.667
10.7	-5.308	3.565
10.8	-4.423	3.464
10.9	-3.708	3.364
11	-3.237	3.265
11.1	-3.058	3.167
11.2	-3.205	3.070
11.3	-3.737	2.973
11.4	-4.706	2.877
11.5	-6.215	2.783
11.6	-8.423	2.689
11.7	-11.529	2.595
11.8	-14.846	2.503
11.9	-14.409	2.411
12	-11.138	2.320
12.1	-8.423	2.230
12.2	-6.574	2.141

12.3	-5.398	2.052
12.4	-4.747	1.964
12.5	-4.527	1.877
12.6	-4.711	1.791
12.7	-5.274	1.705
12.8	-6.211	1.620
12.9	-7.555	1.535
13	-9.373	1.451
13.1	-11.755	1.368
13.2	-14.915	1.286
13.3	-19.381	1.204
13.4	-26.594	1.122
13.5	-33.368	1.042
13.6	-25.628	0.962
13.7	-21.839	0.882
13.8	-19.740	0.803
13.9	-18.296	0.725
14	-17.225	0.647
14.1	-16.382	0.570
14.2	-15.721	0.493
14.3	-15.313	0.417
14.4	-15.207	0.341
14.5	-15.406	0.266
14.6	-15.937	0.191
14.7	-16.648	0.117
14.8	-17.206	0.043
14.9	-17.161	-0.030
15	-16.289	-0.102
15.1	-14.924	-0.174
15.2	-13.534	-0.246
15.3	-12.374	-0.317
15.4	-11.509	-0.388
15.5	-10.939	-0.458
15.6	-10.638	-0.528
15.7	-10.579	-0.597
15.8	-10.668	-0.666
15.9	-10.797	-0.735
16	-10.846	-0.803
16.1	-10.723	-0.871
16.2	-10.379	-0.938
16.3	-9.887	-1.005

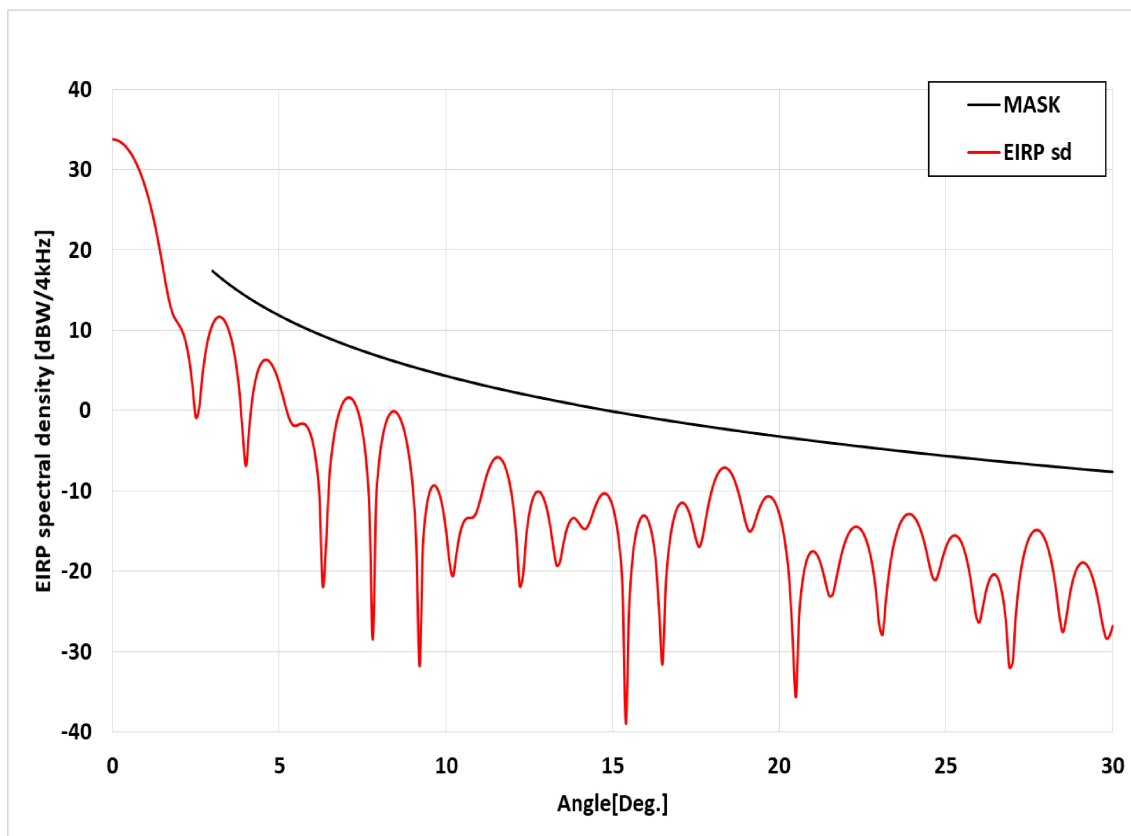
16.4	-9.373	-1.071
16.5	-8.940	-1.137
16.6	-8.651	-1.203
16.7	-8.548	-1.268
16.8	-8.661	-1.333
16.9	-8.974	-1.397
17	-9.465	-1.461
17.1	-10.100	-1.525
17.2	-10.828	-1.588
17.3	-11.550	-1.651
17.4	-12.226	-1.714
17.5	-12.853	-1.776
17.6	-13.466	-1.838
17.7	-14.375	-1.899
17.8	-15.950	-1.961
17.9	-17.495	-2.021
18	-17.662	-2.082
18.1	-16.442	-2.142
18.2	-14.737	-2.202
18.3	-13.033	-2.261
18.4	-11.513	-2.320
18.5	-10.267	-2.379
18.6	-9.337	-2.438
18.7	-8.739	-2.496
18.8	-8.440	-2.554
18.9	-8.448	-2.612
19	-8.795	-2.669
19.1	-9.507	-2.726
19.2	-10.616	-2.783
19.3	-12.224	-2.839
19.4	-14.532	-2.895
19.5	-17.893	-2.951
19.6	-23.161	-3.006
19.7	-28.968	-3.062
19.8	-23.348	-3.117
19.9	-18.824	-3.171
20	-16.046	-3.226
20.1	-14.184	-3.280
20.2	-12.812	-3.334
20.3	-11.717	-3.387
20.4	-10.790	-3.441

20.5	-10.005	-3.494
20.6	-9.320	-3.547
20.7	-8.737	-3.599
20.8	-8.281	-3.652
20.9	-8.011	-3.704
21	-7.924	-3.755
21.1	-8.036	-3.807
21.2	-8.371	-3.858
21.3	-8.972	-3.909
21.4	-9.861	-3.960
21.5	-11.072	-4.011
21.6	-12.645	-4.061
21.7	-14.643	-4.111
21.8	-17.173	-4.161
21.9	-20.236	-4.211
22	-23.227	-4.261
22.1	-24.555	-4.310
22.2	-21.404	-4.359
22.3	-20.027	-4.408
22.4	-20.007	-4.456
22.5	-20.944	-4.505
22.6	-23.236	-4.553
22.7	-28.100	-4.601
22.8	-36.102	-4.648
22.9	-26.255	-4.696
23	-20.695	-4.743
23.1	-17.366	-4.790
23.2	-15.152	-4.837
23.3	-13.625	-4.884
23.4	-12.591	-4.930
23.5	-11.973	-4.977
23.6	-11.665	-5.023
23.7	-11.574	-5.069
23.8	-11.642	-5.114
23.9	-11.866	-5.160
24	-12.112	-5.205
24.1	-12.303	-5.250
24.2	-12.417	-5.295
24.3	-12.530	-5.340
24.4	-12.634	-5.385
24.5	-12.802	-5.429

24.6	-13.136	-5.473
24.7	-13.746	-5.517
24.8	-14.687	-5.561
24.9	-16.074	-5.605
25	-18.122	-5.649
25.1	-21.210	-5.692
25.2	-26.000	-5.735
25.3	-32.087	-5.778
25.4	-26.913	-5.821
25.5	-22.533	-5.864
25.6	-19.730	-5.906
25.7	-17.841	-5.948
25.8	-16.547	-5.990
25.9	-15.663	-6.032
26	-15.089	-6.074
26.1	-14.772	-6.116
26.2	-14.660	-6.158
26.3	-14.690	-6.199
26.4	-14.818	-6.240
26.5	-15.000	-6.281
26.6	-15.178	-6.322
26.7	-15.262	-6.363
26.8	-15.176	-6.403
26.9	-14.883	-6.444
27	-14.371	-6.484
27.1	-13.686	-6.524
27.2	-12.916	-6.564
27.3	-12.165	-6.604
27.4	-11.482	-6.644
27.5	-10.898	-6.683
27.6	-10.446	-6.723
27.7	-10.180	-6.762
27.8	-10.080	-6.801
27.9	-10.145	-6.840
28	-10.377	-6.879
28.1	-10.829	-6.918
28.2	-11.439	-6.956
28.3	-12.176	-6.995
28.4	-13.006	-7.033
28.5	-13.902	-7.071
28.6	-14.687	-7.109

28.7	-15.236	-7.147
28.8	-15.530	-7.185
28.9	-15.672	-7.222
29	-15.715	-7.260
29.1	-15.790	-7.297
29.2	-16.045	-7.335
29.3	-16.577	-7.372
29.4	-17.399	-7.409
29.5	-18.581	-7.446
29.6	-20.284	-7.482
29.7	-22.698	-7.519
29.8	-26.084	-7.555
29.9	-30.977	-7.592
30	-34.912	-7.628

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



-7.43 dBW/4kHz Input power spectral density @ f=6.425GHz

▪ 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	33.770	
0.1	33.716	
0.2	33.552	
0.3	33.274	
0.4	32.878	
0.5	32.360	
0.6	31.712	
0.7	30.926	
0.8	29.991	
0.9	28.896	
1	27.626	
1.1	26.163	
1.2	24.489	
1.3	22.589	
1.4	20.459	
1.5	18.138	
1.6	15.765	
1.7	13.646	
1.8	12.140	
1.9	11.270	
2	10.644	
2.1	9.819	
2.2	8.477	
2.3	6.329	
2.4	3.034	
2.5	-0.862	
2.6	0.365	
2.7	4.478	
2.8	7.479	
2.9	9.464	
3	10.725	17.372
3.1	11.433	17.016
3.2	11.675	16.671
3.3	11.490	16.337
3.4	10.883	16.013
3.5	9.819	15.698
3.6	8.217	15.392
3.7	5.906	15.095
3.8	2.533	14.805
3.9	-2.584	14.523
4	-6.877	14.249

4.1	-2.176	13.980
4.2	1.724	13.719
4.3	4.046	13.463
4.4	5.411	13.214
4.5	6.124	12.970
4.6	6.335	12.731
4.7	6.126	12.498
4.8	5.543	12.269
4.9	4.613	12.045
5	3.370	11.826
5.1	1.880	11.611
5.2	0.307	11.400
5.3	-1.032	11.193
5.4	-1.775	10.990
5.5	-1.883	10.791
5.6	-1.700	10.595
5.7	-1.607	10.403
5.8	-1.841	10.214
5.9	-2.561	10.029
6	-3.941	9.846
6.1	-6.314	9.667
6.2	-10.588	9.490
6.3	-21.840	9.316
6.4	-16.477	9.146
6.5	-8.306	8.977
6.6	-4.297	8.811
6.7	-1.791	8.648
6.8	-0.136	8.487
6.9	0.920	8.329
7	1.492	8.173
7.1	1.628	8.019
7.2	1.332	7.867
7.3	0.568	7.717
7.4	-0.760	7.569
7.5	-2.856	7.423
7.6	-6.212	7.280
7.7	-12.475	7.138
7.8	-28.471	6.998
7.9	-11.180	6.859
8	-5.941	6.723
8.1	-3.112	6.588

8.2	-1.427	6.455
8.3	-0.479	6.323
8.4	-0.097	6.193
8.5	-0.209	6.065
8.6	-0.796	5.938
8.7	-1.888	5.812
8.8	-3.575	5.688
8.9	-6.055	5.565
9	-9.797	5.444
9.1	-16.316	5.324
9.2	-31.809	5.205
9.3	-16.912	5.088
9.4	-12.250	4.972
9.5	-10.162	4.857
9.6	-9.370	4.743
9.7	-9.502	4.631
9.8	-10.460	4.519
9.9	-12.296	4.409
10	-15.170	4.300
10.1	-18.967	4.192
10.2	-20.597	4.085
10.3	-17.974	3.979
10.4	-15.482	3.874
10.5	-14.053	3.770
10.6	-13.453	3.667
10.7	-13.356	3.565
10.8	-13.292	3.464
10.9	-12.693	3.364
11	-11.379	3.265
11.1	-9.745	3.167
11.2	-8.222	3.070
11.3	-7.022	2.973
11.4	-6.217	2.877
11.5	-5.827	2.783
11.6	-5.869	2.689
11.7	-6.374	2.595
11.8	-7.408	2.503
11.9	-9.099	2.411
12	-11.708	2.320
12.1	-15.794	2.230
12.2	-21.825	2.141

12.3	-20.461	2.052
12.4	-15.448	1.964
12.5	-12.514	1.877
12.6	-10.893	1.791
12.7	-10.159	1.705
12.8	-10.134	1.620
12.9	-10.759	1.535
13	-12.053	1.451
13.1	-14.080	1.368
13.2	-16.807	1.286
13.3	-19.250	1.204
13.4	-18.906	1.122
13.5	-16.731	1.042
13.6	-14.895	0.962
13.7	-13.803	0.882
13.8	-13.386	0.803
13.9	-13.522	0.725
14	-14.037	0.647
14.1	-14.604	0.570
14.2	-14.714	0.493
14.3	-14.059	0.417
14.4	-12.913	0.341
14.5	-11.753	0.266
14.6	-10.869	0.191
14.7	-10.380	0.117
14.8	-10.341	0.043
14.9	-10.799	-0.030
15	-11.841	-0.102
15.1	-13.637	-0.174
15.2	-16.581	-0.246
15.3	-21.865	-0.317
15.4	-38.976	-0.388
15.5	-24.639	-0.458
15.6	-18.442	-0.528
15.7	-15.435	-0.597
15.8	-13.827	-0.666
15.9	-13.132	-0.735
16	-13.195	-0.803
16.1	-14.014	-0.871
16.2	-15.754	-0.938
16.3	-18.895	-1.005

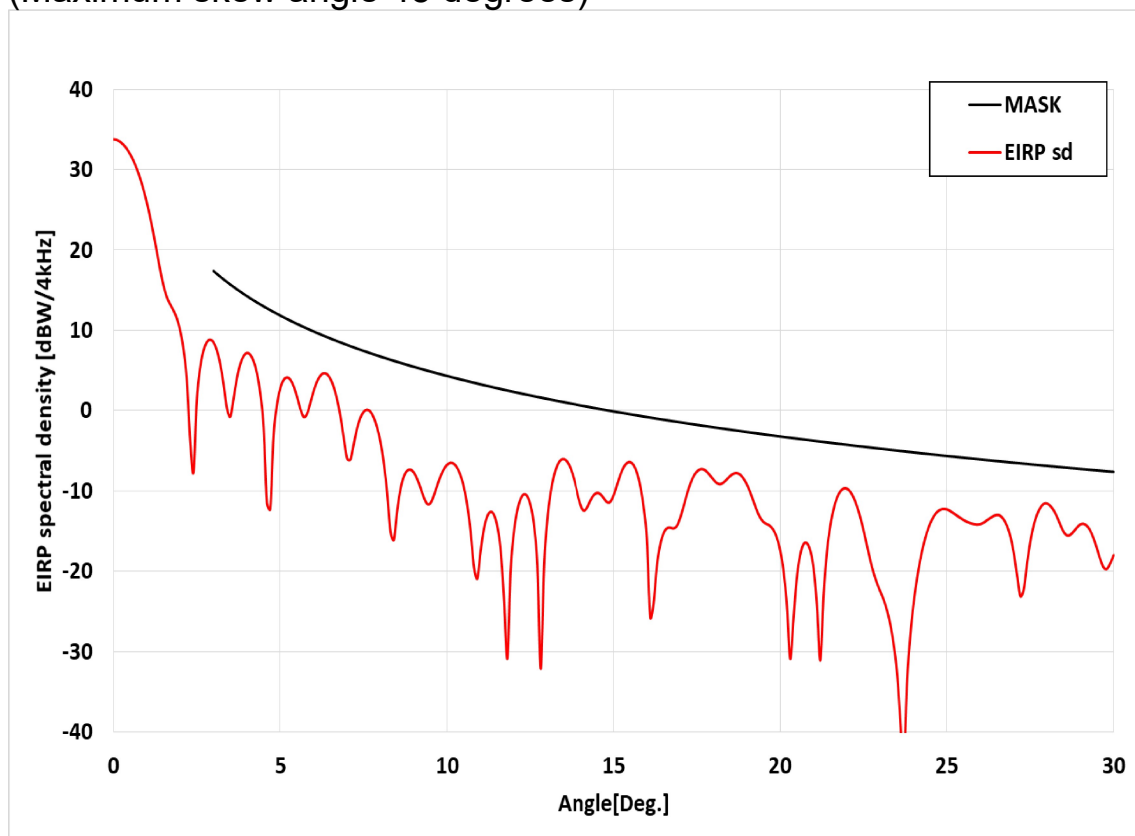
16.4	-25.048	-1.071
16.5	-31.588	-1.137
16.6	-21.607	-1.203
16.7	-16.868	-1.268
16.8	-14.169	-1.333
16.9	-12.562	-1.397
17	-11.708	-1.461
17.1	-11.471	-1.525
17.2	-11.803	-1.588
17.3	-12.706	-1.651
17.4	-14.174	-1.714
17.5	-15.968	-1.776
17.6	-16.973	-1.838
17.7	-15.801	-1.899
17.8	-13.457	-1.961
17.9	-11.269	-2.021
18	-9.569	-2.082
18.1	-8.353	-2.142
18.2	-7.566	-2.202
18.3	-7.164	-2.261
18.4	-7.122	-2.320
18.5	-7.433	-2.379
18.6	-8.100	-2.438
18.7	-9.137	-2.496
18.8	-10.551	-2.554
18.9	-12.282	-2.612
19	-14.032	-2.669
19.1	-15.040	-2.726
19.2	-14.679	-2.783
19.3	-13.478	-2.839
19.4	-12.242	-2.895
19.5	-11.320	-2.951
19.6	-10.794	-3.006
19.7	-10.671	-3.062
19.8	-10.951	-3.117
19.9	-11.654	-3.171
20	-12.831	-3.226
20.1	-14.587	-3.280
20.2	-17.149	-3.334
20.3	-21.055	-3.387
20.4	-28.099	-3.441

20.5	-35.665	-3.494
20.6	-25.418	-3.547
20.7	-21.189	-3.599
20.8	-18.999	-3.652
20.9	-17.884	-3.704
21	-17.511	-3.755
21.1	-17.749	-3.807
21.2	-18.548	-3.858
21.3	-19.882	-3.909
21.4	-21.609	-3.960
21.5	-23.060	-4.011
21.6	-22.900	-4.061
21.7	-21.135	-4.111
21.8	-19.076	-4.161
21.9	-17.348	-4.211
22	-16.053	-4.261
22.1	-15.161	-4.310
22.2	-14.634	-4.359
22.3	-14.449	-4.408
22.4	-14.600	-4.456
22.5	-15.105	-4.505
22.6	-16.011	-4.553
22.7	-17.411	-4.601
22.8	-19.478	-4.648
22.9	-22.517	-4.696
23	-26.681	-4.743
23.1	-27.846	-4.790
23.2	-23.582	-4.837
23.3	-19.925	-4.884
23.4	-17.370	-4.930
23.5	-15.570	-4.977
23.6	-14.312	-5.023
23.7	-13.479	-5.069
23.8	-13.009	-5.114
23.9	-12.870	-5.160
24	-13.052	-5.205
24.1	-13.562	-5.250
24.2	-14.420	-5.295
24.3	-15.656	-5.340
24.4	-17.278	-5.385
24.5	-19.170	-5.429

24.6	-20.785	-5.473
24.7	-21.064	-5.517
24.8	-19.888	-5.561
24.9	-18.310	-5.605
25	-16.985	-5.649
25.1	-16.079	-5.692
25.2	-15.609	-5.735
25.3	-15.565	-5.778
25.4	-15.950	-5.821
25.5	-16.791	-5.864
25.6	-18.146	-5.906
25.7	-20.104	-5.948
25.8	-22.721	-5.990
25.9	-25.542	-6.032
26	-26.391	-6.074
26.1	-24.554	-6.116
26.2	-22.484	-6.158
26.3	-21.101	-6.199
26.4	-20.456	-6.240
26.5	-20.526	-6.281
26.6	-21.361	-6.322
26.7	-23.154	-6.363
26.8	-26.407	-6.403
26.9	-31.956	-6.444
27	-31.364	-6.484
27.1	-25.180	-6.524
27.2	-21.250	-6.564
27.3	-18.680	-6.604
27.4	-16.946	-6.644
27.5	-15.802	-6.683
27.6	-15.129	-6.723
27.7	-14.863	-6.762
27.8	-14.976	-6.801
27.9	-15.469	-6.840
28	-16.369	-6.879
28.1	-17.732	-6.918
28.2	-19.658	-6.956
28.3	-22.279	-6.995
28.4	-25.516	-7.033
28.5	-27.588	-7.071
28.6	-25.927	-7.109

28.7	-23.252	-7.147
28.8	-21.225	-7.185
28.9	-19.903	-7.222
29	-19.162	-7.260
29.1	-18.912	-7.297
29.2	-19.110	-7.335
29.3	-19.745	-7.372
29.4	-20.833	-7.409
29.5	-22.404	-7.446
29.6	-24.455	-7.482
29.7	-26.748	-7.519
29.8	-28.324	-7.555
29.9	-28.083	-7.592
30	-26.815	-7.628

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

(Maximum skew angle 45 degrees)

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
0	33.770	
0.1	33.697	
0.2	33.475	
0.3	33.115	
0.4	32.613	
0.5	31.941	
0.6	31.109	
0.7	30.109	
0.8	28.915	
0.9	27.517	
1	25.907	
1.1	24.070	
1.2	22.009	
1.3	19.783	
1.4	17.547	
1.5	15.573	
1.6	14.137	
1.7	13.225	
1.8	12.454	
1.9	11.461	
2	9.959	
2.1	7.596	
2.2	3.724	
2.3	-3.762	
2.4	-7.682	
2.5	1.388	
2.6	5.358	
2.7	7.476	
2.8	8.521	
2.9	8.821	
3	8.481	17.372
3.1	7.481	17.016
3.2	5.766	16.671
3.3	3.268	16.337
3.4	0.296	16.013
3.5	-0.749	15.698
3.6	1.499	15.392
3.7	4.026	15.095
3.8	5.765	14.805
3.9	6.783	14.523
4	7.177	14.249

4.1	6.963	13.980
4.2	6.142	13.719
4.3	4.624	13.463
4.4	2.126	13.214
4.5	-2.107	12.970
4.6	-11.520	12.731
4.7	-12.267	12.498
4.8	-3.034	12.269
4.9	0.760	12.045
5	2.799	11.826
5.1	3.819	11.611
5.2	4.127	11.400
5.3	3.846	11.193
5.4	3.015	10.990
5.5	1.709	10.791
5.6	0.198	10.595
5.7	-0.791	10.403
5.8	-0.413	10.214
5.9	0.980	10.029
6	2.479	9.846
6.1	3.627	9.667
6.2	4.351	9.490
6.3	4.652	9.316
6.4	4.519	9.146
6.5	3.949	8.977
6.6	2.929	8.811
6.7	1.396	8.648
6.8	-0.742	8.487
6.9	-3.446	8.329
7	-5.958	8.173
7.1	-6.096	8.019
7.2	-4.147	7.867
7.3	-2.197	7.717
7.4	-0.863	7.569
7.5	-0.126	7.423
7.6	0.106	7.280
7.7	-0.142	7.138
7.8	-0.886	6.998
7.9	-2.126	6.859
8	-3.953	6.723
8.1	-6.569	6.588

8.2	-10.284	6.455
8.3	-15.121	6.323
8.4	-16.106	6.193
8.5	-12.467	6.065
8.6	-9.758	5.938
8.7	-8.199	5.812
8.8	-7.484	5.688
8.9	-7.355	5.565
9	-7.715	5.444
9.1	-8.529	5.324
9.2	-9.656	5.205
9.3	-10.844	5.088
9.4	-11.623	4.972
9.5	-11.499	4.857
9.6	-10.540	4.743
9.7	-9.287	4.631
9.8	-8.157	4.519
9.9	-7.286	4.409
10	-6.721	4.300
10.1	-6.496	4.192
10.2	-6.630	4.085
10.3	-7.144	3.979
10.4	-8.099	3.874
10.5	-9.615	3.770
10.6	-11.862	3.667
10.7	-15.143	3.565
10.8	-19.501	3.464
10.9	-20.918	3.364
11	-17.446	3.265
11.1	-14.666	3.167
11.2	-13.147	3.070
11.3	-12.600	2.973
11.4	-12.987	2.877
11.5	-14.448	2.783
11.6	-17.399	2.689
11.7	-23.604	2.595
11.8	-30.873	2.503
11.9	-19.744	2.411
12	-14.980	2.320
12.1	-12.373	2.230
12.2	-10.969	2.141

12.3	-10.419	2.052
12.4	-10.700	1.964
12.5	-11.892	1.877
12.6	-14.350	1.791
12.7	-19.335	1.705
12.8	-32.135	1.620
12.9	-19.415	1.535
13	-13.403	1.451
13.1	-10.089	1.368
13.2	-8.033	1.286
13.3	-6.778	1.204
13.4	-6.151	1.122
13.5	-6.036	1.042
13.6	-6.395	0.962
13.7	-7.230	0.882
13.8	-8.507	0.803
13.9	-10.099	0.725
14	-11.640	0.647
14.1	-12.446	0.570
14.2	-12.113	0.493
14.3	-11.237	0.417
14.4	-10.556	0.341
14.5	-10.260	0.266
14.6	-10.383	0.191
14.7	-10.867	0.117
14.8	-11.379	0.043
14.9	-11.373	-0.030
15	-10.585	-0.102
15.1	-9.337	-0.174
15.2	-8.070	-0.246
15.3	-7.082	-0.317
15.4	-6.528	-0.388
15.5	-6.413	-0.458
15.6	-6.774	-0.528
15.7	-7.712	-0.597
15.8	-9.349	-0.666
15.9	-11.919	-0.735
16	-15.948	-0.803
16.1	-25.674	-0.871
16.2	-24.076	-0.938
16.3	-19.387	-1.005

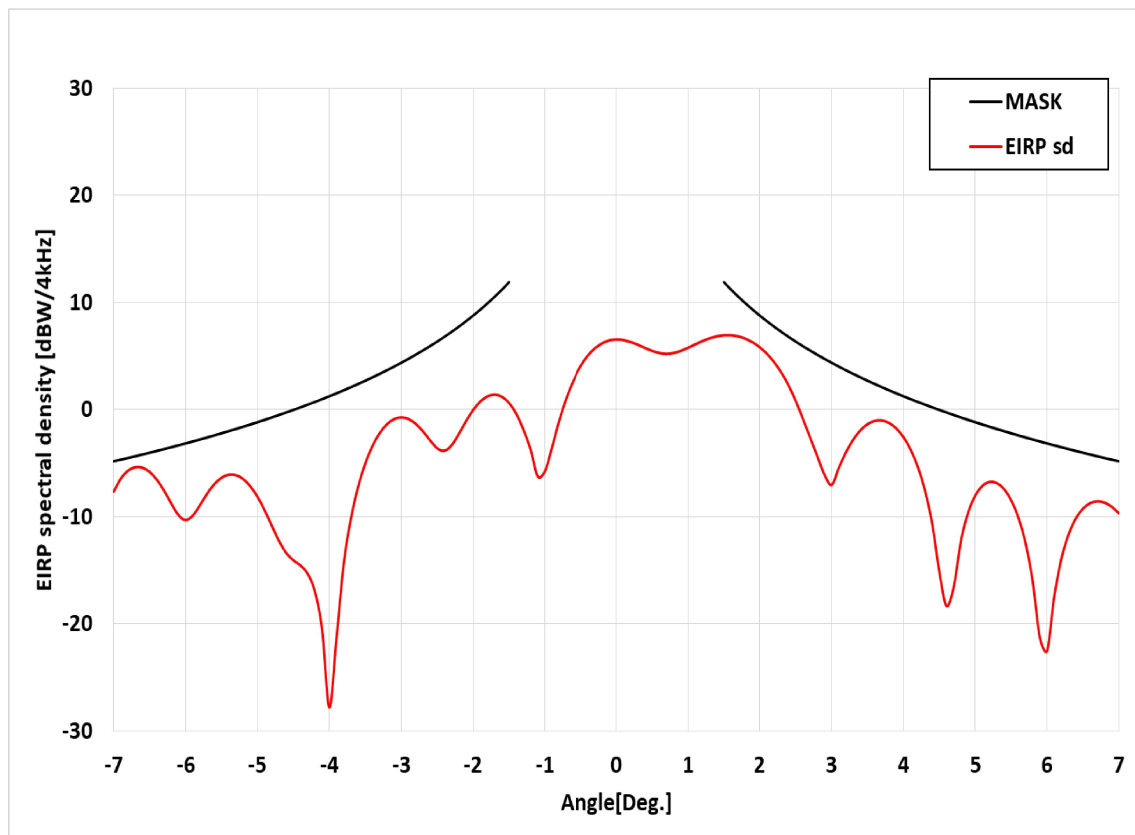
16.4	-16.725	-1.071
16.5	-15.297	-1.137
16.6	-14.663	-1.203
16.7	-14.575	-1.268
16.8	-14.661	-1.333
16.9	-14.356	-1.397
17	-13.360	-1.461
17.1	-11.936	-1.525
17.2	-10.437	-1.588
17.3	-9.138	-1.651
17.4	-8.187	-1.714
17.5	-7.589	-1.776
17.6	-7.301	-1.838
17.7	-7.317	-1.899
17.8	-7.620	-1.961
17.9	-8.098	-2.021
18	-8.609	-2.082
18.1	-9.025	-2.142
18.2	-9.159	-2.202
18.3	-8.947	-2.261
18.4	-8.547	-2.320
18.5	-8.137	-2.379
18.6	-7.857	-2.438
18.7	-7.782	-2.496
18.8	-7.984	-2.554
18.9	-8.462	-2.612
19	-9.201	-2.669
19.1	-10.194	-2.726
19.2	-11.327	-2.783
19.3	-12.452	-2.839
19.4	-13.338	-2.895
19.5	-13.874	-2.951
19.6	-14.132	-3.006
19.7	-14.380	-3.062
19.8	-14.895	-3.117
19.9	-15.842	-3.171
20	-17.439	-3.226
20.1	-20.021	-3.280
20.2	-24.243	-3.334
20.3	-30.911	-3.387
20.4	-25.757	-3.441

20.5	-20.695	-3.494
20.6	-17.942	-3.547
20.7	-16.610	-3.599
20.8	-16.501	-3.652
20.9	-17.427	-3.704
21	-19.639	-3.755
21.1	-24.200	-3.807
21.2	-31.104	-3.858
21.3	-23.003	-3.909
21.4	-17.574	-3.960
21.5	-14.365	-4.011
21.6	-12.260	-4.061
21.7	-10.872	-4.111
21.8	-10.057	-4.161
21.9	-9.700	-4.211
22	-9.722	-4.261
22.1	-10.099	-4.310
22.2	-10.843	-4.359
22.3	-11.914	-4.408
22.4	-13.282	-4.456
22.5	-14.942	-4.505
22.6	-16.783	-4.553
22.7	-18.618	-4.601
22.8	-20.219	-4.648
22.9	-21.488	-4.696
23	-22.520	-4.743
23.1	-23.547	-4.790
23.2	-24.857	-4.837
23.3	-26.632	-4.884
23.4	-29.077	-4.930
23.5	-32.556	-4.977
23.6	-38.546	-5.023
23.7	-45.033	-5.069
23.8	-34.045	-5.114
23.9	-28.045	-5.160
24	-23.990	-5.205
24.1	-20.929	-5.250
24.2	-18.533	-5.295
24.3	-16.635	-5.340
24.4	-15.146	-5.385
24.5	-14.008	-5.429

24.6	-13.192	-5.473
24.7	-12.652	-5.517
24.8	-12.344	-5.561
24.9	-12.238	-5.605
25	-12.303	-5.649
25.1	-12.512	-5.692
25.2	-12.789	-5.735
25.3	-13.074	-5.778
25.4	-13.358	-5.821
25.5	-13.634	-5.864
25.6	-13.845	-5.906
25.7	-14.011	-5.948
25.8	-14.128	-5.990
25.9	-14.188	-6.032
26	-14.138	-6.074
26.1	-13.950	-6.116
26.2	-13.650	-6.158
26.3	-13.366	-6.199
26.4	-13.118	-6.240
26.5	-12.990	-6.281
26.6	-13.104	-6.322
26.7	-13.556	-6.363
26.8	-14.374	-6.403
26.9	-15.658	-6.444
27	-17.684	-6.484
27.1	-20.467	-6.524
27.2	-23.110	-6.564
27.3	-22.311	-6.604
27.4	-19.078	-6.644
27.5	-16.298	-6.683
27.6	-14.301	-6.723
27.7	-12.954	-6.762
27.8	-12.078	-6.801
27.9	-11.619	-6.840
28	-11.573	-6.879
28.1	-11.868	-6.918
28.2	-12.435	-6.956
28.3	-13.226	-6.995
28.4	-14.232	-7.033
28.5	-15.102	-7.071
28.6	-15.536	-7.109

28.7	-15.456	-7.147
28.8	-15.050	-7.185
28.9	-14.545	-7.222
29	-14.170	-7.260
29.1	-14.105	-7.297
29.2	-14.366	-7.335
29.3	-14.977	-7.372
29.4	-15.948	-7.409
29.5	-17.222	-7.446
29.6	-18.567	-7.482
29.7	-19.549	-7.519
29.8	-19.688	-7.555
29.9	-18.977	-7.592
30	-17.985	-7.628

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

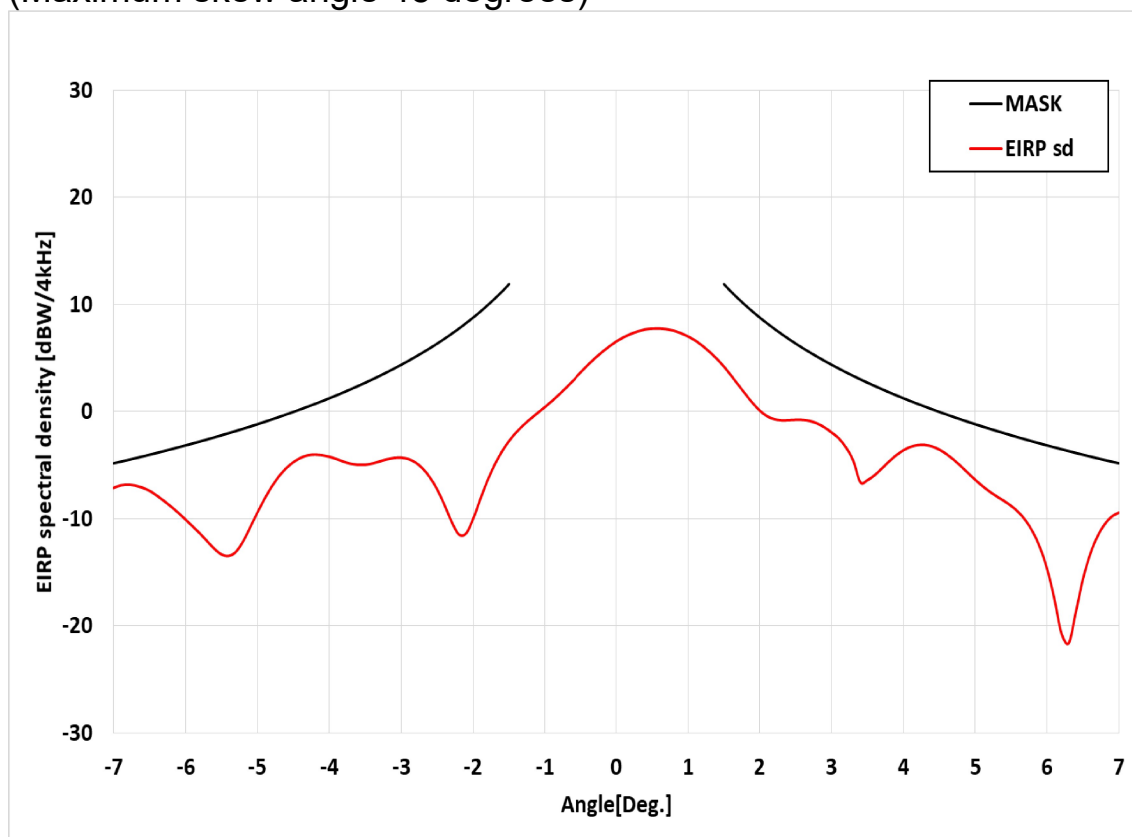
F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-7.659	-4.827
-6.9	-6.436	-4.671
-6.8	-5.702	-4.513
-6.7	-5.379	-4.352
-6.6	-5.424	-4.189
-6.5	-5.816	-4.023
-6.4	-6.539	-3.854
-6.3	-7.556	-3.684
-6.2	-8.752	-3.510
-6.1	-9.832	-3.333
-6	-10.306	-3.154
-5.9	-9.898	-2.971
-5.8	-8.917	-2.786
-5.7	-7.843	-2.597
-5.6	-6.955	-2.405
-5.5	-6.357	-2.209
-5.4	-6.075	-2.010
-5.3	-6.113	-1.807
-5.2	-6.472	-1.600
-5.1	-7.148	-1.389
-5	-8.133	-1.174
-4.9	-9.396	-0.955
-4.8	-10.841	-0.731
-4.7	-12.264	-0.502
-4.6	-13.379	-0.269
-4.5	-14.060	-0.030
-4.4	-14.553	0.214
-4.3	-15.346	0.463
-4.2	-17.021	0.719
-4.1	-20.577	0.980
-4	-27.797	1.249
-3.9	-21.271	1.523
-3.8	-14.425	1.805
-3.7	-10.191	2.095
-3.6	-7.220	2.392
-3.5	-5.026	2.698
-3.4	-3.387	3.013
-3.3	-2.189	3.337
-3.2	-1.368	3.671
-3.1	-0.888	4.016
-3	-0.727	4.372

-2.9	-0.874	4.740
-2.8	-1.316	5.121
-2.7	-2.013	5.516
-2.6	-2.860	5.926
-2.5	-3.601	6.351
-2.4	-3.840	6.795
-2.3	-3.330	7.257
-2.2	-2.278	7.739
-2.1	-1.088	8.245
-2	-0.036	8.774
-1.9	0.757	9.331
-1.8	1.243	9.918
-1.7	1.399	10.539
-1.6	1.203	11.197
-1.5	0.621	11.898
-1.4	-0.393	
-1.3	-1.880	
-1.2	-3.748	
-1.1	-6.242	
-1	-5.735	
-0.9	-3.450	
-0.8	-0.977	
-0.7	1.107	
-0.6	2.757	
-0.5	4.037	
-0.4	5.005	
-0.3	5.707	
-0.2	6.177	
-0.1	6.452	
-7.09655E-13	6.546	
0.1	6.493	
0.2	6.319	
0.3	6.061	
0.4	5.763	
0.5	5.484	
0.6	5.284	
0.7	5.210	
0.8	5.282	
0.9	5.483	
1	5.770	
1.1	6.091	

1.2	6.399	
1.3	6.658	
1.4	6.844	
1.5	6.942	11.898
1.6	6.942	11.197
1.7	6.838	10.539
1.8	6.621	9.918
1.9	6.284	9.331
2	5.816	8.774
2.1	5.203	8.245
2.2	4.424	7.739
2.3	3.452	7.257
2.4	2.257	6.795
2.5	0.813	6.351
2.6	-0.865	5.926
2.7	-2.601	5.516
2.8	-4.337	5.121
2.9	-6.073	4.740
3	-7.027	4.372
3.1	-5.429	4.016
3.2	-3.972	3.671
3.3	-2.801	3.337
3.4	-1.934	3.013
3.5	-1.357	2.698
3.6	-1.053	2.392
3.7	-1.015	2.095
3.8	-1.245	1.805
3.9	-1.754	1.523
4	-2.570	1.249
4.1	-3.742	0.980
4.2	-5.354	0.719
4.3	-7.555	0.463
4.4	-10.631	0.214
4.5	-15.122	-0.030
4.6	-18.329	-0.269
4.7	-16.569	-0.502
4.8	-12.296	-0.731
4.9	-9.637	-0.955
5	-8.023	-1.174
5.1	-7.116	-1.389
5.2	-6.751	-1.600

5.3	-6.857	-1.807
5.4	-7.415	-2.010
5.5	-8.455	-2.209
5.6	-10.069	-2.405
5.7	-12.455	-2.597
5.8	-16.023	-2.786
5.9	-21.291	-2.971
6	-22.531	-3.154
6.1	-17.464	-3.333
6.2	-13.912	-3.510
6.3	-11.642	-3.684
6.4	-10.167	-3.854
6.5	-9.241	-4.023
6.6	-8.730	-4.189
6.7	-8.557	-4.352
6.8	-8.676	-4.513
6.9	-9.057	-4.671
7	-9.680	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

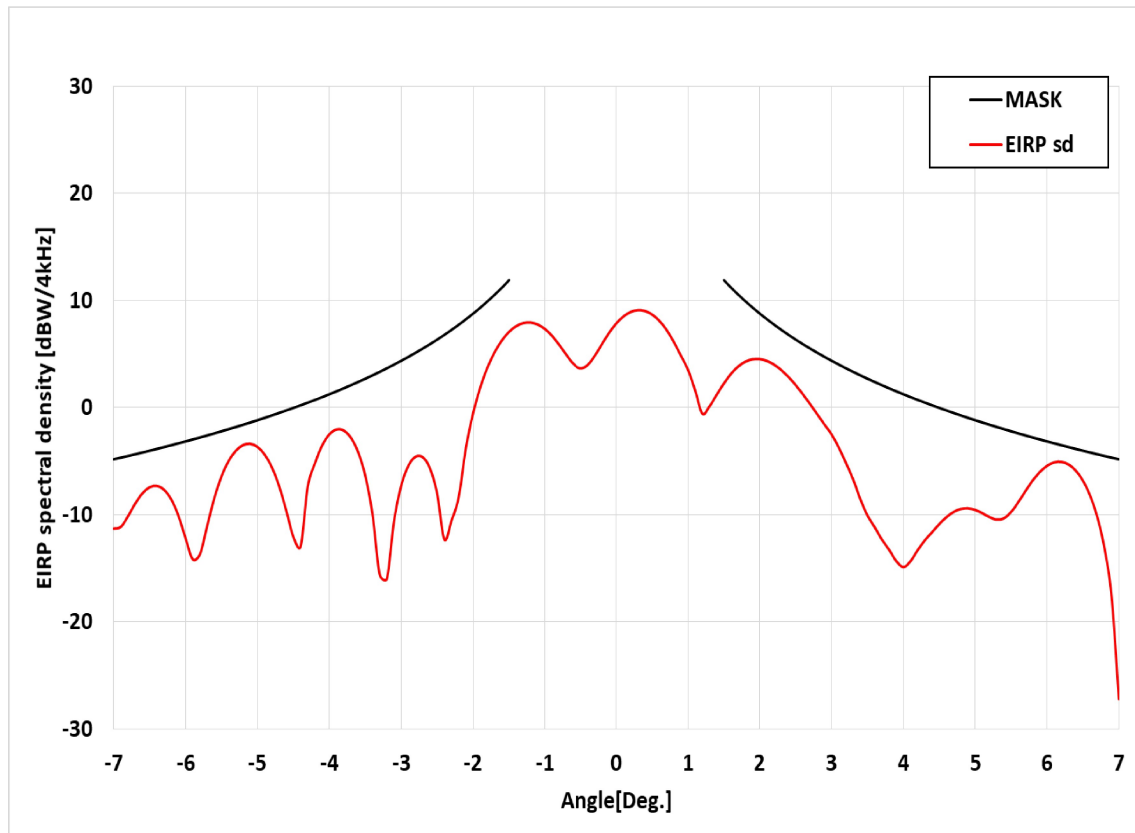
F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-7.116	-4.827
-6.9	-6.879	-4.671
-6.8	-6.815	-4.513
-6.7	-6.899	-4.352
-6.6	-7.098	-4.189
-6.5	-7.398	-4.023
-6.4	-7.834	-3.854
-6.3	-8.334	-3.684
-6.2	-8.868	-3.510
-6.1	-9.444	-3.333
-6	-10.079	-3.154
-5.9	-10.722	-2.971
-5.8	-11.372	-2.786
-5.7	-12.091	-2.597
-5.6	-12.801	-2.405
-5.5	-13.331	-2.209
-5.4	-13.466	-2.010
-5.3	-13.088	-1.807
-5.2	-12.110	-1.600
-5.1	-10.785	-1.389
-5	-9.407	-1.174
-4.9	-8.128	-0.955
-4.8	-6.991	-0.731
-4.7	-6.032	-0.502
-4.6	-5.284	-0.269
-4.5	-4.718	-0.030
-4.4	-4.315	0.214
-4.3	-4.076	0.463
-4.2	-4.007	0.719
-4.1	-4.061	0.980
-4	-4.208	1.249
-3.9	-4.431	1.523
-3.8	-4.677	1.805
-3.7	-4.874	2.095
-3.6	-4.972	2.392
-3.5	-4.963	2.698
-3.4	-4.842	3.013
-3.3	-4.647	3.337
-3.2	-4.448	3.671
-3.1	-4.320	4.016
-3	-4.299	4.372

-2.9	-4.426	4.740
-2.8	-4.759	5.121
-2.7	-5.328	5.516
-2.6	-6.154	5.926
-2.5	-7.266	6.351
-2.4	-8.694	6.795
-2.3	-10.265	7.257
-2.2	-11.452	7.739
-2.1	-11.390	8.245
-2	-10.009	8.774
-1.9	-8.163	9.331
-1.8	-6.425	9.918
-1.7	-4.942	10.539
-1.6	-3.725	11.197
-1.5	-2.739	11.898
-1.4	-1.935	
-1.3	-1.251	
-1.2	-0.657	
-1.1	-0.111	
-1	0.433	
-0.9	1.009	
-0.8	1.622	
-0.7	2.273	
-0.6	2.951	
-0.5	3.640	
-0.4	4.317	
-0.3	4.959	
-0.2	5.541	
-0.1	6.073	
-7.09655E-13	6.546	
0.1	6.933	
0.2	7.245	
0.3	7.491	
0.4	7.669	
0.5	7.746	
0.6	7.755	
0.7	7.700	
0.8	7.560	
0.9	7.327	
1	7.023	
1.1	6.646	

1.2	6.161	
1.3	5.586	
1.4	4.934	
1.5	4.204	11.898
1.6	3.373	11.197
1.7	2.500	10.539
1.8	1.629	9.918
1.9	0.800	9.331
2	0.088	8.774
2.1	-0.423	8.245
2.2	-0.706	7.739
2.3	-0.809	7.257
2.4	-0.801	6.795
2.5	-0.765	6.351
2.6	-0.774	5.926
2.7	-0.879	5.516
2.8	-1.109	5.121
2.9	-1.472	4.740
3	-1.949	4.372
3.1	-2.497	4.016
3.2	-3.341	3.671
3.3	-4.556	3.337
3.4	-6.587	3.013
3.5	-6.395	2.698
3.6	-5.928	2.392
3.7	-5.305	2.095
3.8	-4.653	1.805
3.9	-4.069	1.523
4	-3.605	1.249
4.1	-3.286	0.980
4.2	-3.122	0.719
4.3	-3.112	0.463
4.4	-3.255	0.214
4.5	-3.545	-0.030
4.6	-3.962	-0.269
4.7	-4.485	-0.502
4.8	-5.090	-0.731
4.9	-5.736	-0.955
5	-6.371	-1.174
5.1	-6.952	-1.389
5.2	-7.470	-1.600

5.3	-7.919	-1.807
5.4	-8.336	-2.010
5.5	-8.790	-2.209
5.6	-9.374	-2.405
5.7	-10.149	-2.597
5.8	-11.207	-2.786
5.9	-12.662	-2.971
6	-14.672	-3.154
6.1	-17.415	-3.333
6.2	-20.690	-3.510
6.3	-21.640	-3.684
6.4	-18.734	-3.854
6.5	-15.633	-4.023
6.6	-13.315	-4.189
6.7	-11.677	-4.352
6.8	-10.537	-4.513
6.9	-9.799	-4.671
7	-9.431	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

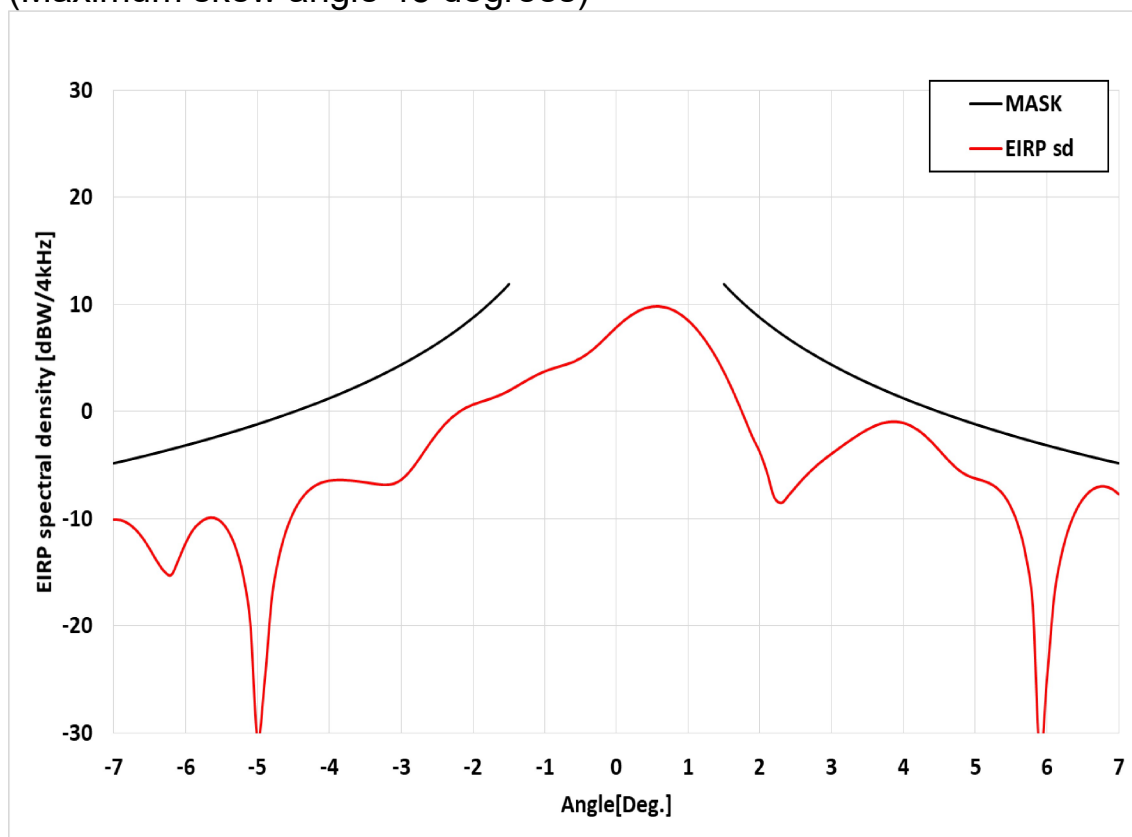
F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-11.296	-4.827
-6.9	-11.126	-4.671
-6.8	-10.132	-4.513
-6.7	-8.951	-4.352
-6.6	-7.999	-4.189
-6.5	-7.433	-4.023
-6.4	-7.309	-3.854
-6.3	-7.667	-3.684
-6.2	-8.565	-3.510
-6.1	-10.076	-3.333
-6	-12.189	-3.154
-5.9	-14.154	-2.971
-5.8	-13.697	-2.786
-5.7	-11.065	-2.597
-5.6	-8.443	-2.405
-5.5	-6.419	-2.209
-5.4	-4.971	-2.010
-5.3	-4.016	-1.807
-5.2	-3.495	-1.600
-5.1	-3.380	-1.389
-5	-3.667	-1.174
-4.9	-4.379	-0.955
-4.8	-5.564	-0.731
-4.7	-7.292	-0.502
-4.6	-9.594	-0.269
-4.5	-12.075	-0.030
-4.4	-12.973	0.214
-4.3	-7.348	0.463
-4.2	-5.186	0.719
-4.1	-3.531	0.980
-4	-2.497	1.249
-3.9	-2.042	1.523
-3.8	-2.139	1.805
-3.7	-2.811	2.095
-3.6	-4.150	2.392
-3.5	-6.372	2.698
-3.4	-9.955	3.013
-3.3	-15.582	3.337
-3.2	-15.975	3.671
-3.1	-10.589	4.016
-3	-7.269	4.372

-2.9	-5.413	4.740
-2.8	-4.581	5.121
-2.7	-4.641	5.516
-2.6	-5.680	5.926
-2.5	-8.053	6.351
-2.4	-12.304	6.795
-2.3	-10.538	7.257
-2.2	-8.317	7.739
-2.1	-3.750	8.245
-2	-0.517	8.774
-1.9	1.900	9.331
-1.8	3.757	9.918
-1.7	5.190	10.539
-1.6	6.281	11.197
-1.5	7.078	11.898
-1.4	7.610	
-1.3	7.895	
-1.2	7.941	
-1.1	7.752	
-1	7.330	
-0.9	6.681	
-0.8	5.838	
-0.7	4.894	
-0.6	4.058	
-0.5	3.666	
-0.4	3.961	
-0.3	4.819	
-0.2	5.917	
-0.1	6.973	
-7.09655E-13	7.855	
0.1	8.510	
0.2	8.924	
0.3	9.092	
0.4	9.015	
0.5	8.689	
0.6	8.107	
0.7	7.263	
0.8	6.163	
0.9	4.861	
1	3.527	
1.1	1.597	

1.2	-0.563	
1.3	0.125	
1.4	1.216	
1.5	2.258	11.898
1.6	3.171	11.197
1.7	3.849	10.539
1.8	4.291	9.918
1.9	4.511	9.331
2	4.525	8.774
2.1	4.352	8.245
2.2	4.005	7.739
2.3	3.503	7.257
2.4	2.862	6.795
2.5	2.103	6.351
2.6	1.250	5.926
2.7	0.330	5.516
2.8	-0.624	5.121
2.9	-1.580	4.740
3	-2.508	4.372
3.1	-3.738	4.016
3.2	-5.168	3.671
3.3	-6.706	3.337
3.4	-8.547	3.013
3.5	-10.076	2.698
3.6	-11.165	2.392
3.7	-12.318	2.095
3.8	-13.264	1.805
3.9	-14.318	1.523
4	-14.885	1.249
4.1	-14.316	0.980
4.2	-13.285	0.719
4.3	-12.369	0.463
4.4	-11.626	0.214
4.5	-10.869	-0.030
4.6	-10.216	-0.269
4.7	-9.735	-0.502
4.8	-9.461	-0.731
4.9	-9.405	-0.955
5	-9.555	-1.174
5.1	-9.865	-1.389
5.2	-10.226	-1.600

5.3	-10.452	-1.807
5.4	-10.323	-2.010
5.5	-9.741	-2.209
5.6	-8.819	-2.405
5.7	-7.779	-2.597
5.8	-6.805	-2.786
5.9	-6.004	-2.971
6	-5.432	-3.154
6.1	-5.113	-3.333
6.2	-5.067	-3.510
6.3	-5.315	-3.684
6.4	-5.886	-3.854
6.5	-6.828	-4.023
6.6	-8.225	-4.189
6.7	-10.224	-4.352
6.8	-13.132	-4.513
6.9	-17.735	-4.671
7	-27.203	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

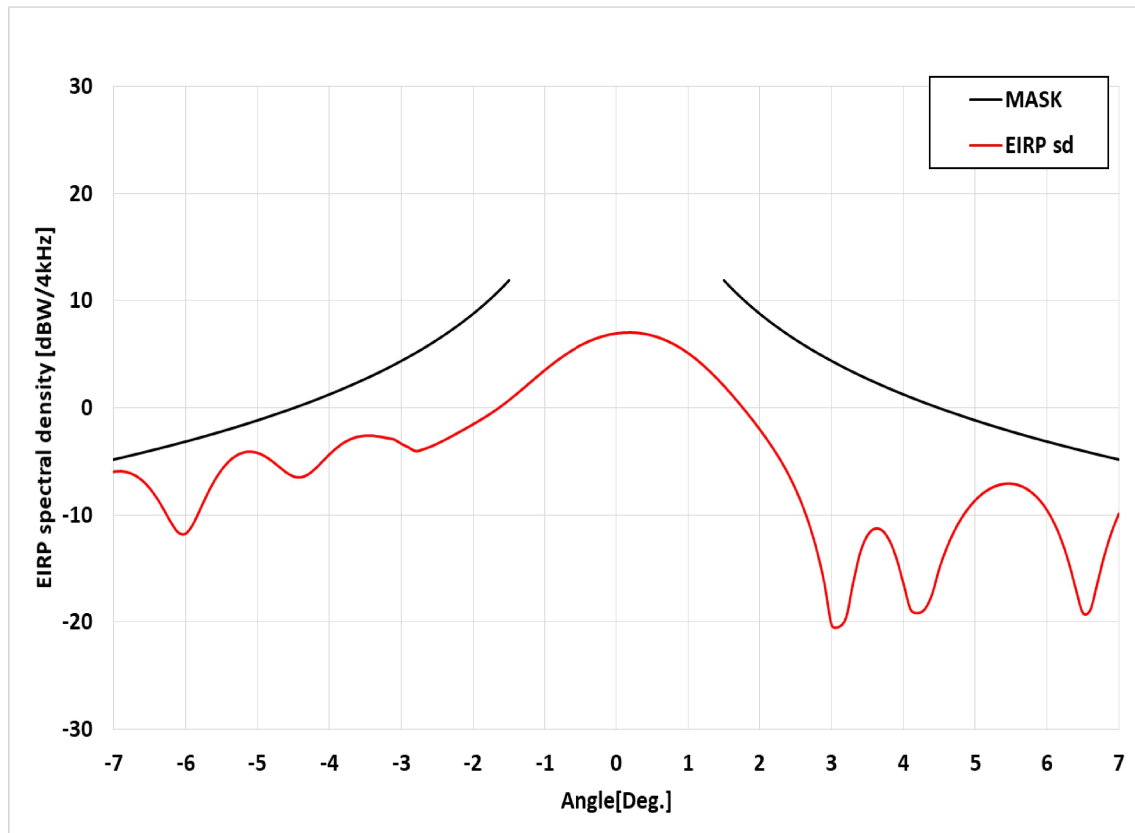
F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-10.087	-4.827
-6.9	-10.137	-4.671
-6.8	-10.436	-4.513
-6.7	-10.979	-4.352
-6.6	-11.773	-4.189
-6.5	-12.800	-4.023
-6.4	-13.936	-3.854
-6.3	-14.882	-3.684
-6.2	-15.251	-3.510
-6.1	-13.867	-3.333
-6	-12.296	-3.154
-5.9	-11.079	-2.971
-5.8	-10.365	-2.786
-5.7	-9.958	-2.597
-5.6	-9.927	-2.405
-5.5	-10.323	-2.209
-5.4	-11.220	-2.010
-5.3	-12.762	-1.807
-5.2	-15.283	-1.600
-5.1	-19.705	-1.389
-5	-30.549	-1.174
-4.9	-25.226	-0.955
-4.8	-17.477	-0.731
-4.7	-13.570	-0.502
-4.6	-11.102	-0.269
-4.5	-9.415	-0.030
-4.4	-8.239	0.214
-4.3	-7.441	0.463
-4.2	-6.924	0.719
-4.1	-6.609	0.980
-4	-6.446	1.249
-3.9	-6.392	1.523
-3.8	-6.398	1.805
-3.7	-6.439	2.095
-3.6	-6.512	2.392
-3.5	-6.606	2.698
-3.4	-6.712	3.013
-3.3	-6.805	3.337
-3.2	-6.835	3.671
-3.1	-6.720	4.016
-3	-6.360	4.372

-2.9	-5.725	4.740
-2.8	-4.884	5.121
-2.7	-3.913	5.516
-2.6	-2.934	5.926
-2.5	-2.028	6.351
-2.4	-1.230	6.795
-2.3	-0.572	7.257
-2.2	-0.051	7.739
-2.1	0.354	8.245
-2	0.659	8.774
-1.9	0.894	9.331
-1.8	1.111	9.918
-1.7	1.348	10.539
-1.6	1.619	11.197
-1.5	1.952	11.898
-1.4	2.337	
-1.3	2.733	
-1.2	3.119	
-1.1	3.469	
-1	3.766	
-0.9	4.007	
-0.8	4.210	
-0.7	4.412	
-0.6	4.650	
-0.5	4.964	
-0.4	5.391	
-0.3	5.930	
-0.2	6.548	
-0.1	7.205	
-7.09655E-13	7.855	
0.1	8.450	
0.2	8.954	
0.3	9.358	
0.4	9.646	
0.5	9.793	
0.6	9.814	
0.7	9.704	
0.8	9.448	
0.9	9.052	
1	8.521	
1.1	7.846	

1.2	7.023	
1.3	6.060	
1.4	4.955	
1.5	3.698	11.898
1.6	2.300	11.197
1.7	0.781	10.539
1.8	-0.821	9.918
1.9	-2.412	9.331
2	-3.792	8.774
2.1	-5.677	8.245
2.2	-7.988	7.739
2.3	-8.523	7.257
2.4	-7.831	6.795
2.5	-7.042	6.351
2.6	-6.288	5.926
2.7	-5.606	5.516
2.8	-4.991	5.121
2.9	-4.437	4.740
3	-3.926	4.372
3.1	-3.434	4.016
3.2	-2.956	3.671
3.3	-2.494	3.337
3.4	-2.056	3.013
3.5	-1.666	2.698
3.6	-1.339	2.392
3.7	-1.094	2.095
3.8	-0.964	1.805
3.9	-0.946	1.523
4	-1.061	1.249
4.1	-1.317	0.980
4.2	-1.710	0.719
4.3	-2.239	0.463
4.4	-2.883	0.214
4.5	-3.608	-0.030
4.6	-4.355	-0.269
4.7	-5.041	-0.502
4.8	-5.606	-0.731
4.9	-5.996	-0.955
5	-6.239	-1.174
5.1	-6.439	-1.389
5.2	-6.697	-1.600

5.3	-7.125	-1.807
5.4	-7.833	-2.010
5.5	-8.956	-2.209
5.6	-10.667	-2.405
5.7	-13.321	-2.597
5.8	-17.929	-2.786
5.9	-32.100	-2.971
6	-24.858	-3.154
6.1	-17.268	-3.333
6.2	-13.410	-3.510
6.3	-10.951	-3.684
6.4	-9.280	-3.854
6.5	-8.148	-4.023
6.6	-7.426	-4.189
6.7	-7.047	-4.352
6.8	-6.983	-4.513
6.9	-7.207	-4.671
7	-7.715	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

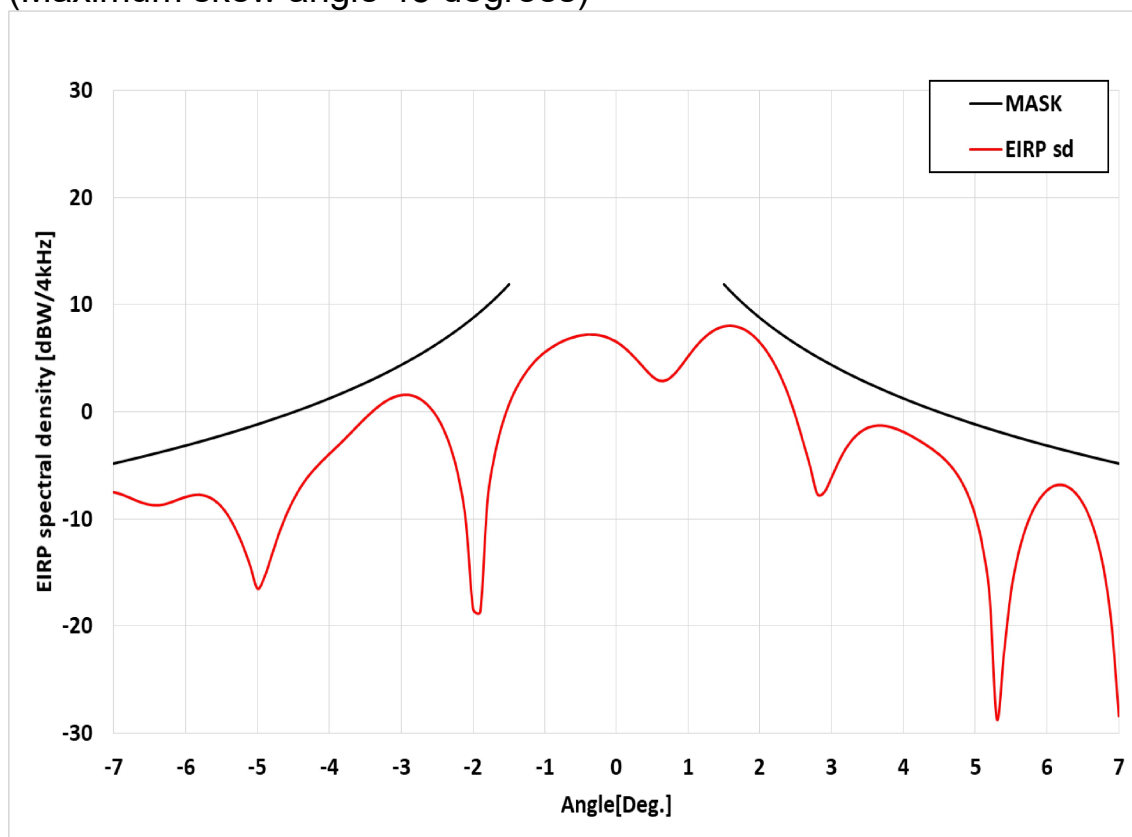
F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-5.971	-4.827
-6.9	-5.927	-4.671
-6.8	-6.036	-4.513
-6.7	-6.321	-4.352
-6.6	-6.802	-4.189
-6.5	-7.499	-4.023
-6.4	-8.422	-3.854
-6.3	-9.544	-3.684
-6.2	-10.735	-3.510
-6.1	-11.646	-3.333
-6	-11.759	-3.154
-5.9	-10.912	-2.971
-5.8	-9.533	-2.786
-5.7	-8.093	-2.597
-5.6	-6.824	-2.405
-5.5	-5.796	-2.209
-5.4	-5.019	-2.010
-5.3	-4.486	-1.807
-5.2	-4.182	-1.600
-5.1	-4.094	-1.389
-5	-4.210	-1.174
-4.9	-4.508	-0.955
-4.8	-4.957	-0.731
-4.7	-5.496	-0.502
-4.6	-6.028	-0.269
-4.5	-6.408	-0.030
-4.4	-6.499	0.214
-4.3	-6.243	0.463
-4.2	-5.709	0.719
-4.1	-5.038	0.980
-4	-4.358	1.249
-3.9	-3.753	1.523
-3.8	-3.266	1.805
-3.7	-2.912	2.095
-3.6	-2.693	2.392
-3.5	-2.596	2.698
-3.4	-2.603	3.013
-3.3	-2.688	3.337
-3.2	-2.819	3.671
-3.1	-2.955	4.016
-3	-3.359	4.372

-2.9	-3.695	4.740
-2.8	-4.039	5.121
-2.7	-3.889	5.516
-2.6	-3.654	5.926
-2.5	-3.356	6.351
-2.4	-3.019	6.795
-2.3	-2.661	7.257
-2.2	-2.294	7.739
-2.1	-1.921	8.245
-2	-1.541	8.774
-1.9	-1.145	9.331
-1.8	-0.728	9.918
-1.7	-0.281	10.539
-1.6	0.200	11.197
-1.5	0.715	11.898
-1.4	1.259	
-1.3	1.825	
-1.2	2.399	
-1.1	2.973	
-1	3.532	
-0.9	4.067	
-0.8	4.570	
-0.7	5.034	
-0.6	5.454	
-0.5	5.828	
-0.4	6.153	
-0.3	6.429	
-0.2	6.653	
-0.1	6.826	
0	6.946	
0.1	7.015	
0.2	7.030	
0.3	6.993	
0.4	6.900	
0.5	6.750	
0.6	6.543	
0.7	6.277	
0.8	5.951	
0.9	5.564	
1	5.118	
1.1	4.611	

1.2	4.046	
1.3	3.429	
1.4	2.762	
1.5	2.050	11.898
1.6	1.299	11.197
1.7	0.515	10.539
1.8	-0.299	9.918
1.9	-1.142	9.331
2	-2.022	8.774
2.1	-2.948	8.245
2.2	-3.940	7.739
2.3	-5.025	7.257
2.4	-6.237	6.795
2.5	-7.619	6.351
2.6	-9.227	5.926
2.7	-11.139	5.516
2.8	-13.470	5.121
2.9	-16.409	4.740
3	-20.286	4.372
3.1	-20.460	4.016
3.2	-19.647	3.671
3.3	-16.353	3.337
3.4	-13.478	3.013
3.5	-11.911	2.698
3.6	-11.292	2.392
3.7	-11.438	2.095
3.8	-12.316	1.805
3.9	-13.988	1.523
4	-16.410	1.249
4.1	-18.832	0.980
4.2	-19.161	0.719
4.3	-18.776	0.463
4.4	-17.391	0.214
4.5	-15.006	-0.030
4.6	-13.121	-0.269
4.7	-11.612	-0.502
4.8	-10.394	-0.731
4.9	-9.413	-0.955
5	-8.631	-1.174
5.1	-8.021	-1.389
5.2	-7.569	-1.600

5.3	-7.264	-1.807
5.4	-7.102	-2.010
5.5	-7.083	-2.209
5.6	-7.214	-2.405
5.7	-7.505	-2.597
5.8	-7.974	-2.786
5.9	-8.647	-2.971
6	-9.562	-3.154
6.1	-10.772	-3.333
6.2	-12.353	-3.510
6.3	-14.399	-3.684
6.4	-16.911	-3.854
6.5	-19.163	-4.023
6.6	-18.923	-4.189
6.7	-16.398	-4.352
6.8	-13.754	-4.513
6.9	-11.590	-4.671
7	-9.880	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

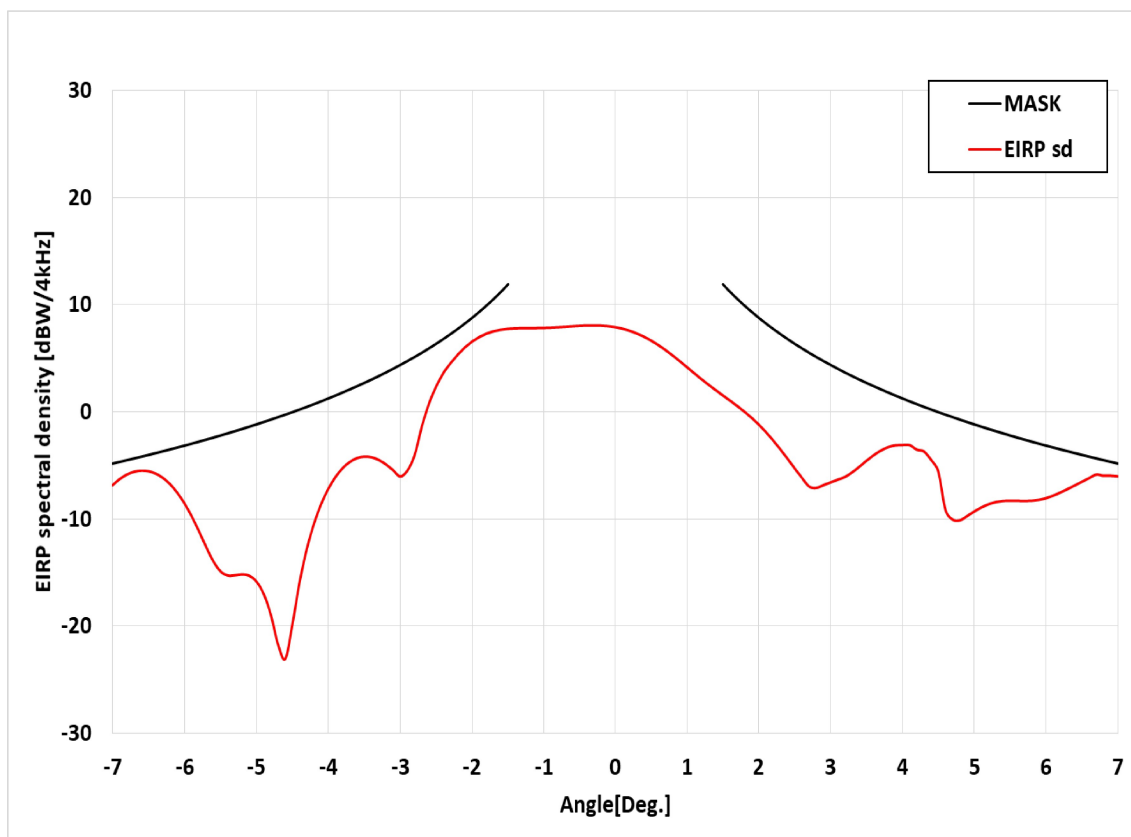
F=5.85GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-7.500	-4.827
-6.9	-7.686	-4.671
-6.8	-7.952	-4.513
-6.7	-8.245	-4.352
-6.6	-8.503	-4.189
-6.5	-8.674	-4.023
-6.4	-8.735	-3.854
-6.3	-8.648	-3.684
-6.2	-8.442	-3.510
-6.1	-8.187	-3.333
-6	-7.954	-3.154
-5.9	-7.790	-2.971
-5.8	-7.748	-2.786
-5.7	-7.895	-2.597
-5.6	-8.256	-2.405
-5.5	-8.867	-2.209
-5.4	-9.770	-2.010
-5.3	-11.017	-1.807
-5.2	-12.537	-1.600
-5.1	-14.397	-1.389
-5	-16.504	-1.174
-4.9	-15.383	-0.955
-4.8	-13.379	-0.731
-4.7	-11.363	-0.502
-4.6	-9.643	-0.269
-4.5	-8.220	-0.030
-4.4	-7.047	0.214
-4.3	-6.085	0.463
-4.2	-5.294	0.719
-4.1	-4.592	0.980
-4	-3.932	1.249
-3.9	-3.293	1.523
-3.8	-2.644	1.805
-3.7	-1.963	2.095
-3.6	-1.263	2.392
-3.5	-0.595	2.698
-3.4	0.033	3.013
-3.3	0.594	3.337
-3.2	1.053	3.671
-3.1	1.373	4.016
-3	1.555	4.372

-2.9	1.582	4.740
-2.8	1.413	5.121
-2.7	1.027	5.516
-2.6	0.406	5.926
-2.5	-0.497	6.351
-2.4	-1.800	6.795
-2.3	-3.615	7.257
-2.2	-6.218	7.739
-2.1	-10.304	8.245
-2	-18.421	8.774
-1.9	-18.652	9.331
-1.8	-8.309	9.918
-1.7	-4.047	10.539
-1.6	-1.283	11.197
-1.5	0.701	11.898
-1.4	2.190	
-1.3	3.342	
-1.2	4.261	
-1.1	5.000	
-1	5.584	
-0.9	6.054	
-0.8	6.442	
-0.7	6.753	
-0.6	6.972	
-0.5	7.127	
-0.4	7.214	
-0.3	7.208	
-0.2	7.094	
-0.1	6.878	
0	6.546	
0.1	6.068	
0.2	5.460	
0.3	4.755	
0.4	4.009	
0.5	3.320	
0.6	2.914	
0.7	2.961	
0.8	3.454	
0.9	4.249	
1	5.156	
1.1	6.020	

1.2	6.749	
1.3	7.326	
1.4	7.741	
1.5	7.976	11.898
1.6	8.030	11.197
1.7	7.914	10.539
1.8	7.627	9.918
1.9	7.150	9.331
2	6.480	8.774
2.1	5.608	8.245
2.2	4.516	7.739
2.3	3.162	7.257
2.4	1.517	6.795
2.5	-0.455	6.351
2.6	-2.732	5.926
2.7	-5.087	5.516
2.8	-7.666	5.121
2.9	-7.483	4.740
3	-6.118	4.372
3.1	-4.633	4.016
3.2	-3.413	3.671
3.3	-2.508	3.337
3.4	-1.890	3.013
3.5	-1.505	2.698
3.6	-1.313	2.392
3.7	-1.282	2.095
3.8	-1.385	1.805
3.9	-1.591	1.523
4	-1.874	1.249
4.1	-2.215	0.980
4.2	-2.598	0.719
4.3	-3.016	0.463
4.4	-3.476	0.214
4.5	-3.996	-0.030
4.6	-4.615	-0.269
4.7	-5.389	-0.502
4.8	-6.406	-0.731
4.9	-7.773	-0.955
5	-9.678	-1.174
5.1	-12.515	-1.389
5.2	-17.209	-1.600

5.3	-28.666	-1.807
5.4	-22.527	-2.010
5.5	-16.760	-2.209
5.6	-13.276	-2.405
5.7	-10.919	-2.597
5.8	-9.257	-2.786
5.9	-8.097	-2.971
6	-7.332	-3.154
6.1	-6.907	-3.333
6.2	-6.812	-3.510
6.3	-7.044	-3.684
6.4	-7.609	-3.854
6.5	-8.554	-4.023
6.6	-9.982	-4.189
6.7	-12.045	-4.352
6.8	-15.085	-4.513
6.9	-20.003	-4.671
7	-28.407	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

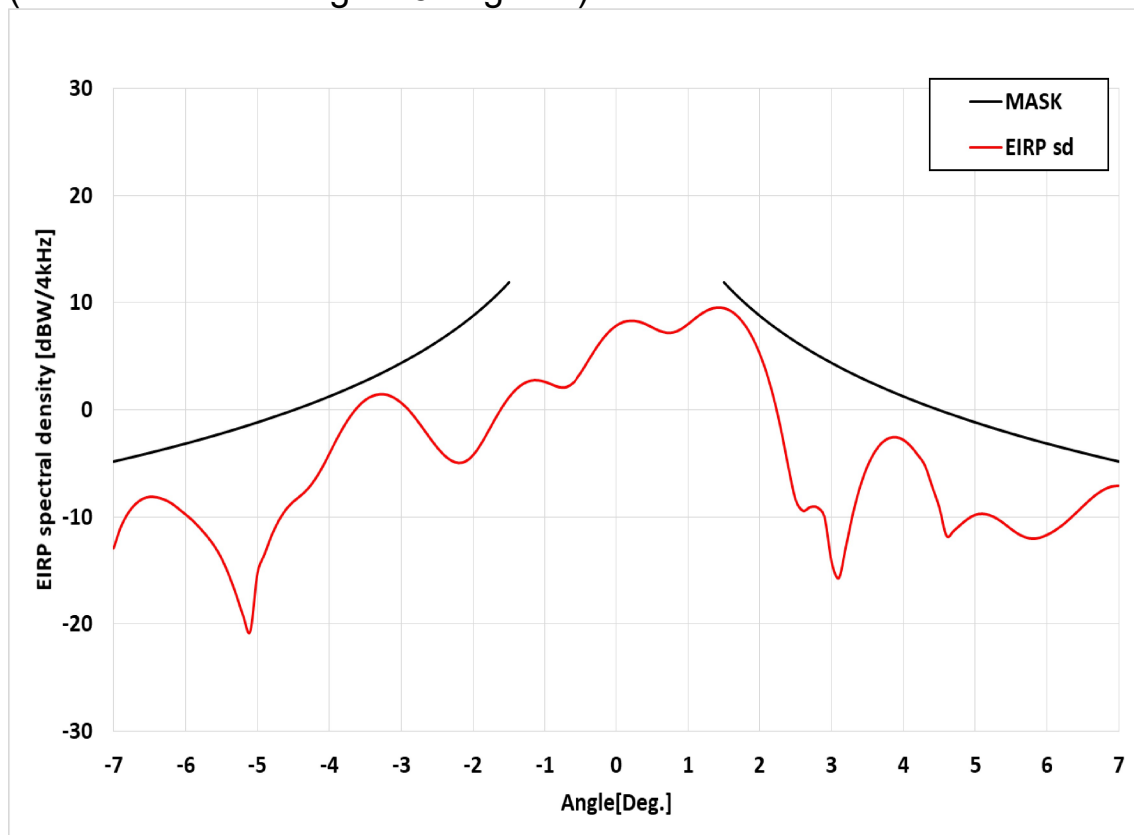
F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-6.841	-4.827
-6.9	-6.270	-4.671
-6.8	-5.854	-4.513
-6.7	-5.594	-4.352
-6.6	-5.491	-4.189
-6.5	-5.549	-4.023
-6.4	-5.777	-3.854
-6.3	-6.181	-3.684
-6.2	-6.772	-3.510
-6.1	-7.562	-3.333
-6	-8.560	-3.154
-5.9	-9.764	-2.971
-5.8	-11.144	-2.786
-5.7	-12.608	-2.597
-5.6	-13.952	-2.405
-5.5	-14.895	-2.209
-5.4	-15.277	-2.010
-5.3	-15.258	-1.807
-5.2	-15.172	-1.600
-5.1	-15.303	-1.389
-5	-15.852	-1.174
-4.9	-16.993	-0.955
-4.8	-18.932	-0.731
-4.7	-21.696	-0.502
-4.6	-23.075	-0.269
-4.5	-19.846	-0.030
-4.4	-15.910	0.214
-4.3	-12.817	0.463
-4.2	-10.447	0.719
-4.1	-8.609	0.980
-4	-7.177	1.249
-3.9	-6.074	1.523
-3.8	-5.250	1.805
-3.7	-4.673	2.095
-3.6	-4.321	2.392
-3.5	-4.181	2.698
-3.4	-4.242	3.013
-3.3	-4.491	3.337
-3.2	-4.907	3.671
-3.1	-5.445	4.016
-3	-6.039	4.372

-2.9	-5.474	4.740
-2.8	-4.041	5.121
-2.7	-1.384	5.516
-2.6	0.766	5.926
-2.5	2.362	6.351
-2.4	3.623	6.795
-2.3	4.535	7.257
-2.2	5.339	7.739
-2.1	6.015	8.245
-2	6.561	8.774
-1.9	6.984	9.331
-1.8	7.298	9.918
-1.7	7.518	10.539
-1.6	7.662	11.197
-1.5	7.747	11.898
-1.4	7.790	
-1.3	7.808	
-1.2	7.814	
-1.1	7.819	
-1	7.835	
-0.9	7.860	
-0.8	7.897	
-0.7	7.941	
-0.6	7.988	
-0.5	8.031	
-0.4	8.061	
-0.3	8.070	
-0.2	8.054	
-0.1	8.000	
0	7.906	
0.1	7.763	
0.2	7.566	
0.3	7.316	
0.4	7.011	
0.5	6.650	
0.6	6.234	
0.7	5.768	
0.8	5.261	
0.9	4.722	
1	4.167	
1.1	3.608	

1.2	3.059	
1.3	2.529	
1.4	2.020	
1.5	1.529	11.898
1.6	1.040	11.197
1.7	0.541	10.539
1.8	0.013	9.918
1.9	-0.562	9.331
2	-1.195	8.774
2.1	-1.897	8.245
2.2	-2.668	7.739
2.3	-3.502	7.257
2.4	-4.382	6.795
2.5	-5.281	6.351
2.6	-6.160	5.926
2.7	-6.966	5.516
2.8	-7.099	5.121
2.9	-6.845	4.740
3	-6.591	4.372
3.1	-6.337	4.016
3.2	-6.083	3.671
3.3	-5.653	3.337
3.4	-5.123	3.013
3.5	-4.567	2.698
3.6	-4.049	2.392
3.7	-3.617	2.095
3.8	-3.303	1.805
3.9	-3.127	1.523
4	-3.097	1.249
4.1	-3.106	0.980
4.2	-3.537	0.719
4.3	-3.706	0.463
4.4	-4.496	0.214
4.5	-5.587	-0.030
4.6	-9.188	-0.269
4.7	-10.067	-0.502
4.8	-10.131	-0.731
4.9	-9.734	-0.955
5	-9.308	-1.174
5.1	-8.924	-1.389
5.2	-8.625	-1.600

5.3	-8.426	-1.807
5.4	-8.323	-2.010
5.5	-8.296	-2.209
5.6	-8.311	-2.405
5.7	-8.327	-2.597
5.8	-8.307	-2.786
5.9	-8.221	-2.971
6	-8.058	-3.154
6.1	-7.823	-3.333
6.2	-7.533	-3.510
6.3	-7.210	-3.684
6.4	-6.871	-3.854
6.5	-6.528	-4.023
6.6	-6.191	-4.189
6.7	-5.865	-4.352
6.8	-5.971	-4.513
6.9	-5.971	-4.671
7	-6.023	-4.827

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



-7.43 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's C-band Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -7.43 dBW/ 4kHz

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

(Maximum skew angle 45 degrees)

F=6.425GHz, -7.43 dBW/4kHz EIRP sd		
Angle	Value [dBi]	Mask
-7	-12.916	-4.827
-6.9	-10.938	-4.671
-6.8	-9.659	-4.513
-6.7	-8.824	-4.352
-6.6	-8.322	-4.189
-6.5	-8.125	-4.023
-6.4	-8.169	-3.854
-6.3	-8.373	-3.684
-6.2	-8.720	-3.510
-6.1	-9.218	-3.333
-6	-9.763	-3.154
-5.9	-10.340	-2.971
-5.8	-11.037	-2.786
-5.7	-11.813	-2.597
-5.6	-12.708	-2.405
-5.5	-13.865	-2.209
-5.4	-15.363	-2.010
-5.3	-17.188	-1.807
-5.2	-19.203	-1.600
-5.1	-20.686	-1.389
-5	-15.253	-1.174
-4.9	-13.470	-0.955
-4.8	-11.690	-0.731
-4.7	-10.298	-0.502
-4.6	-9.280	-0.269
-4.5	-8.569	-0.030
-4.4	-8.018	0.214
-4.3	-7.380	0.463
-4.2	-6.502	0.719
-4.1	-5.398	0.980
-4	-4.101	1.249
-3.9	-2.765	1.523
-3.8	-1.571	1.805
-3.7	-0.538	2.095
-3.6	0.307	2.392
-3.5	0.912	2.698
-3.4	1.286	3.013
-3.3	1.454	3.337
-3.2	1.406	3.671
-3.1	1.121	4.016
-3	0.651	4.372

-2.9	0.015	4.740
-2.8	-0.802	5.121
-2.7	-1.710	5.516
-2.6	-2.637	5.926
-2.5	-3.515	6.351
-2.4	-4.249	6.795
-2.3	-4.753	7.257
-2.2	-4.960	7.739
-2.1	-4.798	8.245
-2	-4.226	8.774
-1.9	-3.292	9.331
-1.8	-2.131	9.918
-1.7	-0.918	10.539
-1.6	0.215	11.197
-1.5	1.174	11.898
-1.4	1.922	
-1.3	2.442	
-1.2	2.717	
-1.1	2.756	
-1	2.607	
-0.9	2.345	
-0.8	2.109	
-0.7	2.126	
-0.6	2.561	
-0.5	3.405	
-0.4	4.469	
-0.3	5.552	
-0.2	6.514	
-0.1	7.290	
0	7.855	
0.1	8.199	
0.2	8.319	
0.3	8.251	
0.4	8.031	
0.5	7.701	
0.6	7.380	
0.7	7.190	
0.8	7.225	
0.9	7.518	
1	7.999	
1.1	8.539	

1.2	9.021	
1.3	9.374	
1.4	9.547	
1.5	9.493	11.898
1.6	9.207	11.197
1.7	8.671	10.539
1.8	7.844	9.918
1.9	6.707	9.331
2	5.221	8.774
2.1	3.323	8.245
2.2	0.937	7.739
2.3	-2.010	7.257
2.4	-5.426	6.795
2.5	-8.420	6.351
2.6	-9.430	5.926
2.7	-9.091	5.516
2.8	-9.110	5.121
2.9	-9.976	4.740
3	-14.216	4.372
3.1	-15.711	4.016
3.2	-12.758	3.671
3.3	-9.612	3.337
3.4	-7.109	3.013
3.5	-5.256	2.698
3.6	-3.939	2.392
3.7	-3.077	2.095
3.8	-2.639	1.805
3.9	-2.558	1.523
4	-2.807	1.249
4.1	-3.382	0.980
4.2	-4.220	0.719
4.3	-5.210	0.463
4.4	-7.154	0.214
4.5	-9.113	-0.030
4.6	-11.763	-0.269
4.7	-11.307	-0.502
4.8	-10.705	-0.731
4.9	-10.164	-0.955
5	-9.807	-1.174
5.1	-9.709	-1.389
5.2	-9.838	-1.600

5.3	-10.150	-1.807
5.4	-10.610	-2.010
5.5	-11.133	-2.209
5.6	-11.594	-2.405
5.7	-11.905	-2.597
5.8	-12.031	-2.786
5.9	-11.943	-2.971
6	-11.678	-3.154
6.1	-11.315	-3.333
6.2	-10.842	-3.510
6.3	-10.270	-3.684
6.4	-9.648	-3.854
6.5	-9.007	-4.023
6.6	-8.381	-4.189
6.7	-7.835	-4.352
6.8	-7.423	-4.513
6.9	-7.162	-4.671
7	-7.077	-4.827