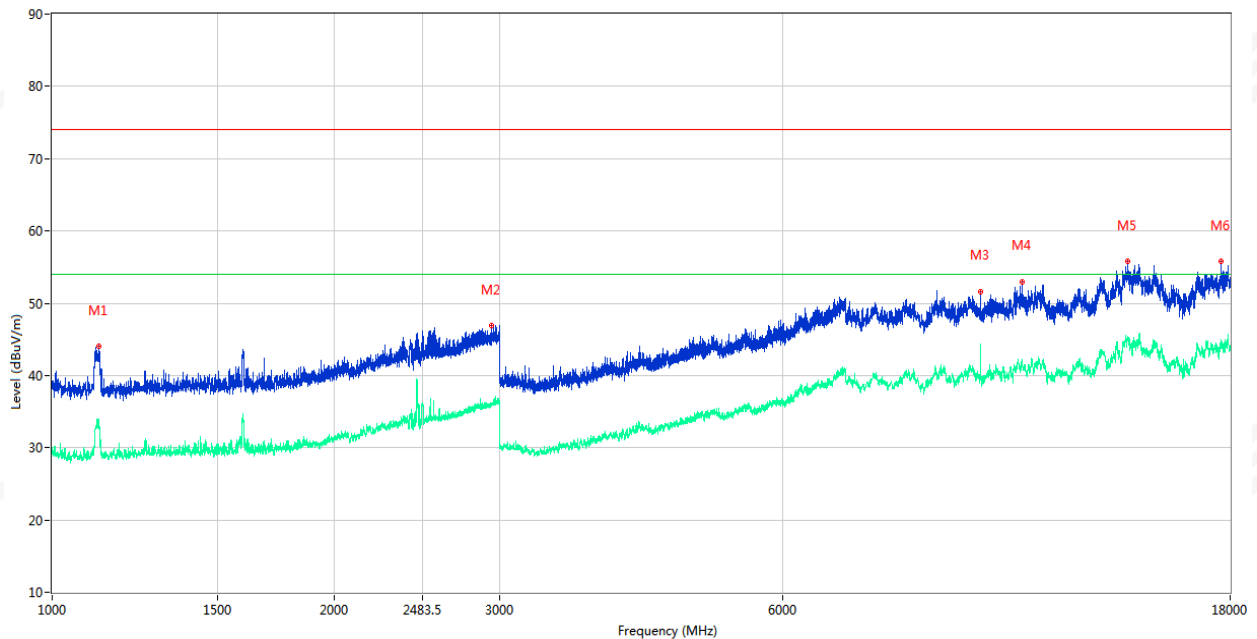




1GHz-18GHz-M-H

RE_FCC Test Case_FCC 15C 1GHz-18GHz

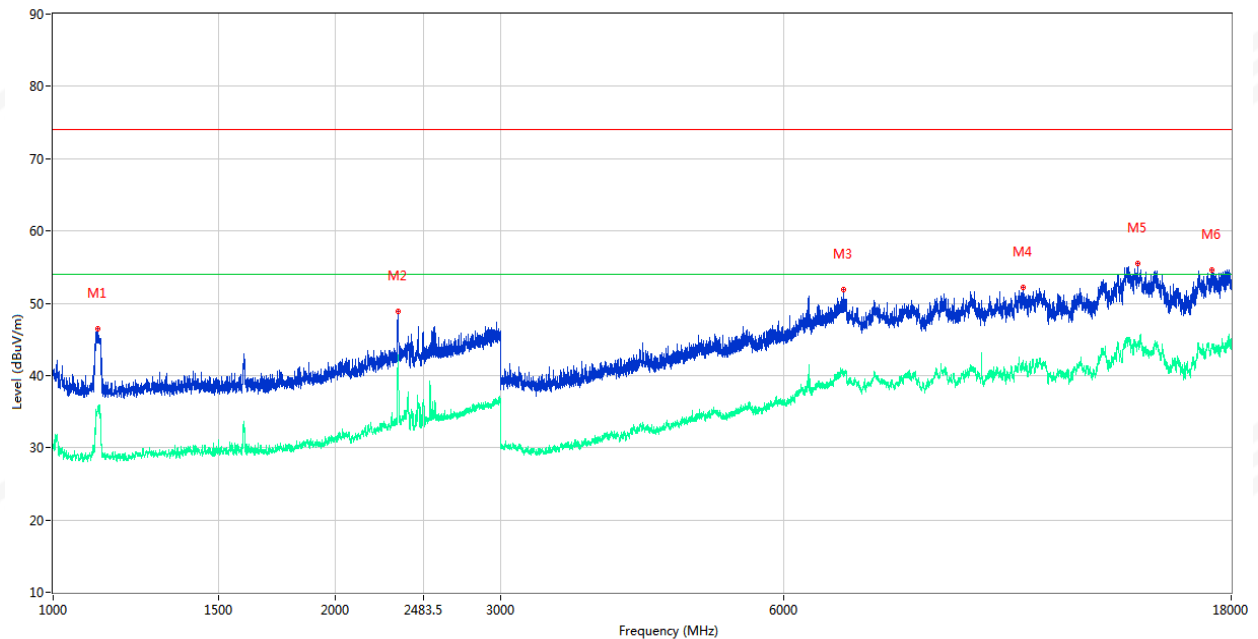


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1120.500	44.00	-1.73	74.0	30.00	Peak	263.60	Horizontal	Pass
1120.500	33.84	-1.73	54.0	20.16	AV	263.60	Horizontal	Pass
2940.000	46.92	5.15	74.0	27.08	Peak	31.90	Horizontal	Pass
2940.000	35.99	5.15	54.0	18.01	AV	31.90	Horizontal	Pass
9758.250	51.65	0.26	74.0	22.35	Peak	73.50	Horizontal	Pass
9758.250	44.41	0.26	54.0	9.59	AV	73.50	Horizontal	Pass
10795.000	53.00	2.00	74.0	21.00	Peak	136.40	Horizontal	Pass
10795.000	42.00	2.00	54.0	12.00	AV	136.40	Horizontal	Pass
14007.000	55.77	8.34	74.0	18.23	Peak	217.80	Horizontal	Pass
14007.000	45.21	8.34	54.0	8.79	AV	217.80	Horizontal	Pass
17612.249	55.81	6.53	74.0	18.19	Peak	75.30	Horizontal	Pass
17612.249	44.68	6.53	54.0	9.32	AV	75.30	Horizontal	Pass



1GHz-18GHz-M-V

RE_FCC Test Case_FCC 15C 1GHz-18GHz

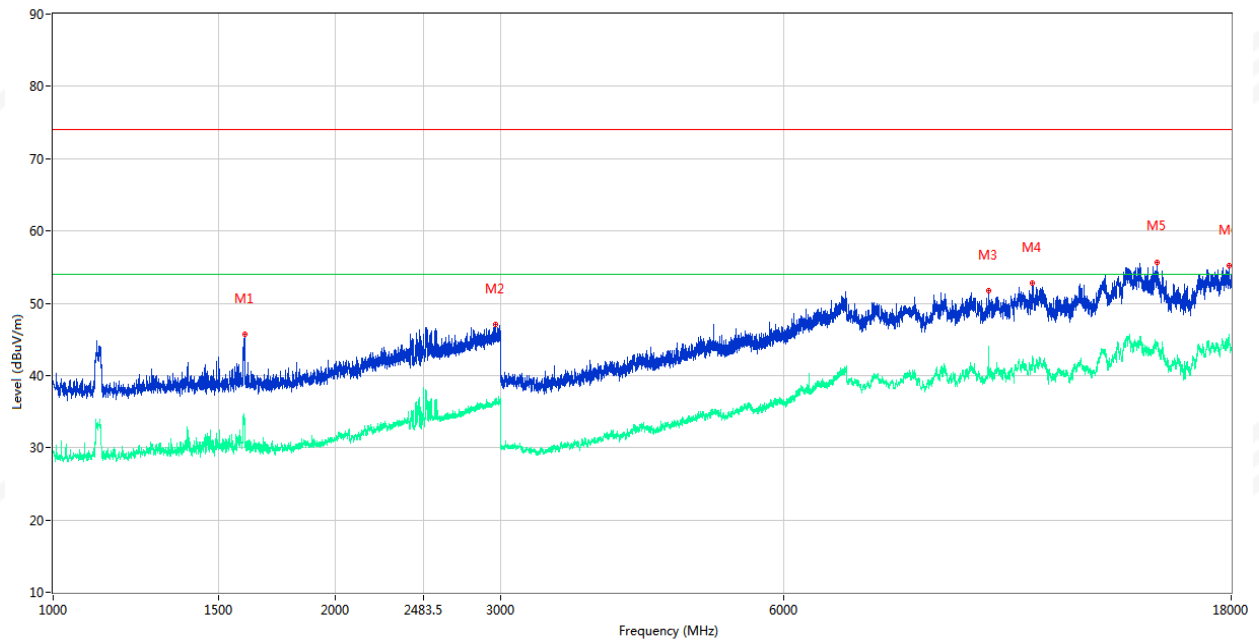


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1114.500	46.49	-1.74	74.0	27.51	Peak	149.00	Vertical	Pass
1114.500	35.53	-1.74	54.0	18.47	AV	149.00	Vertical	Pass
2331.500	48.83	2.57	74.0	25.17	Peak	143.10	Vertical	Pass
2331.500	42.90	2.57	54.0	11.10	AV	143.10	Vertical	Pass
6958.000	51.87	0.98	74.0	22.13	Peak	360.40	Vertical	Pass
6958.000	40.40	0.98	54.0	13.60	AV	360.40	Vertical	Pass
10792.250	52.12	1.97	74.0	21.88	Peak	266.60	Vertical	Pass
10792.250	41.92	1.97	54.0	12.08	AV	266.60	Vertical	Pass
14312.250	55.44	6.89	74.0	18.56	Peak	217.20	Vertical	Pass
14312.250	44.38	6.89	54.0	9.62	AV	217.20	Vertical	Pass
17147.500	54.55	5.01	74.0	19.45	Peak	0.00	Vertical	Pass
17147.500	44.07	5.01	54.0	9.93	AV	0.00	Vertical	Pass



1GHz-18GHz-H-H

RE_FCC Test Case_FCC 15C 1GHz-18GHz

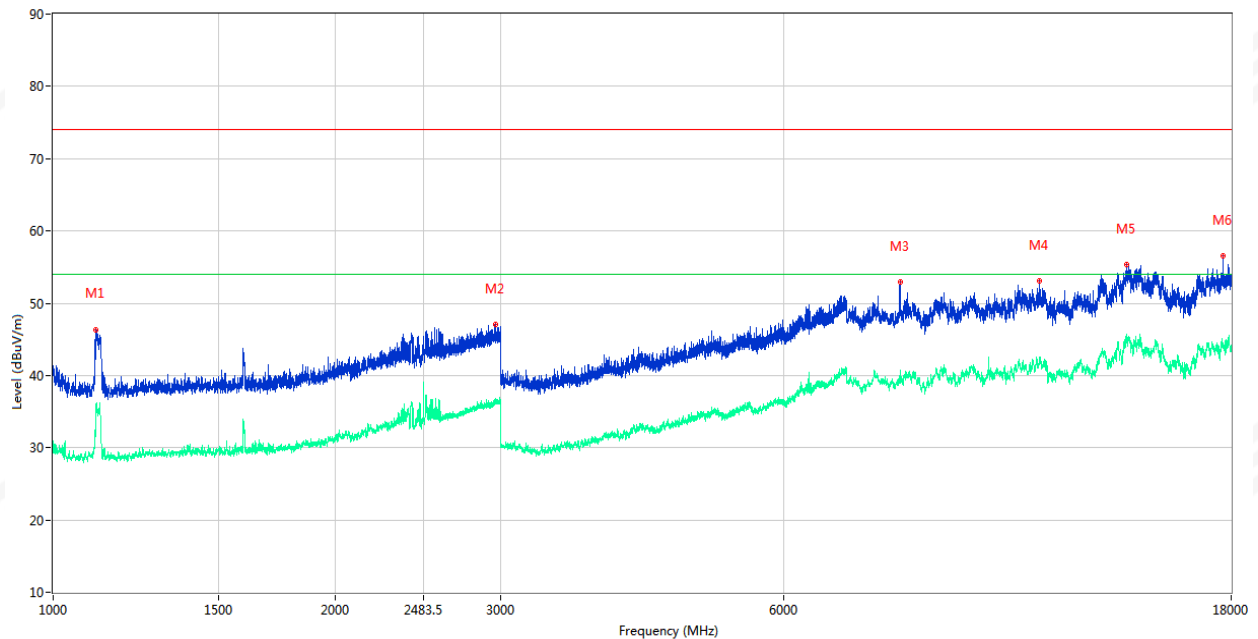


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1599.500	45.75	-0.96	74.0	28.25	Peak	148.30	Horizontal	Pass
1599.500	34.00	-0.96	54.0	20.00	AV	148.30	Horizontal	Pass
2961.000	47.07	5.27	74.0	26.93	Peak	219.70	Horizontal	Pass
2961.000	36.32	5.27	54.0	17.68	AV	219.70	Horizontal	Pass
9920.500	51.76	0.60	74.0	22.24	Peak	75.70	Horizontal	Pass
9920.500	44.01	0.60	54.0	9.99	AV	75.70	Horizontal	Pass
11050.750	52.75	1.93	74.0	21.25	Peak	175.80	Horizontal	Pass
11050.750	41.85	1.93	54.0	12.15	AV	175.80	Horizontal	Pass
14999.750	55.70	5.48	74.0	18.30	Peak	359.10	Horizontal	Pass
14999.750	44.29	5.48	54.0	9.71	AV	359.10	Horizontal	Pass
17903.749	55.24	7.21	74.0	18.76	Peak	148.20	Horizontal	Pass
17903.749	45.53	7.21	54.0	8.47	AV	148.20	Horizontal	Pass



1GHz-18GHz-H-V

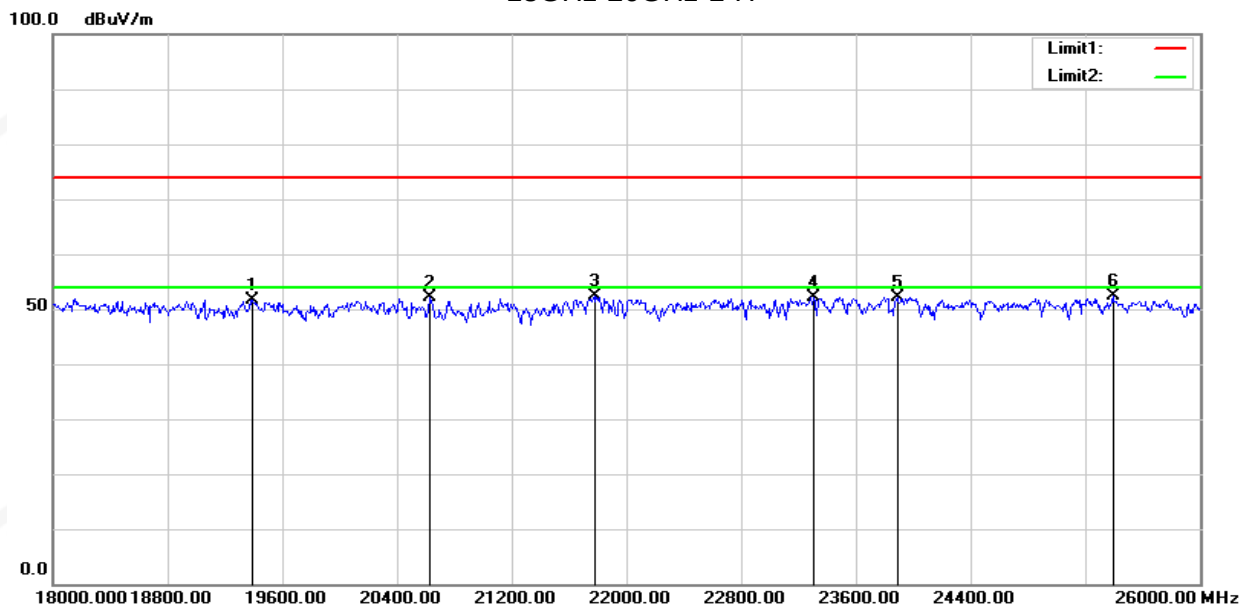
RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1111.500	46.37	-1.74	74.0	27.63	Peak	152.00	Vertical	Pass
1111.500	36.03	-1.74	54.0	17.97	AV	152.00	Vertical	Pass
2960.000	47.10	5.26	74.0	26.90	Peak	172.10	Vertical	Pass
2960.000	36.35	5.26	54.0	17.65	AV	172.10	Vertical	Pass
7995.500	52.95	-0.70	74.0	21.05	Peak	114.10	Vertical	Pass
7995.500	40.62	-0.70	54.0	13.38	AV	114.10	Vertical	Pass
11240.500	53.02	2.48	74.0	20.98	Peak	323.10	Vertical	Pass
11240.500	42.21	2.48	54.0	11.79	AV	323.10	Vertical	Pass
13921.750	55.33	7.47	74.0	18.67	Peak	166.50	Vertical	Pass
13921.750	45.43	7.47	54.0	8.57	AV	166.50	Vertical	Pass
17631.500	56.49	6.40	74.0	17.51	Peak	168.70	Vertical	Pass
17631.500	44.36	6.40	54.0	9.64	AV	168.70	Vertical	Pass

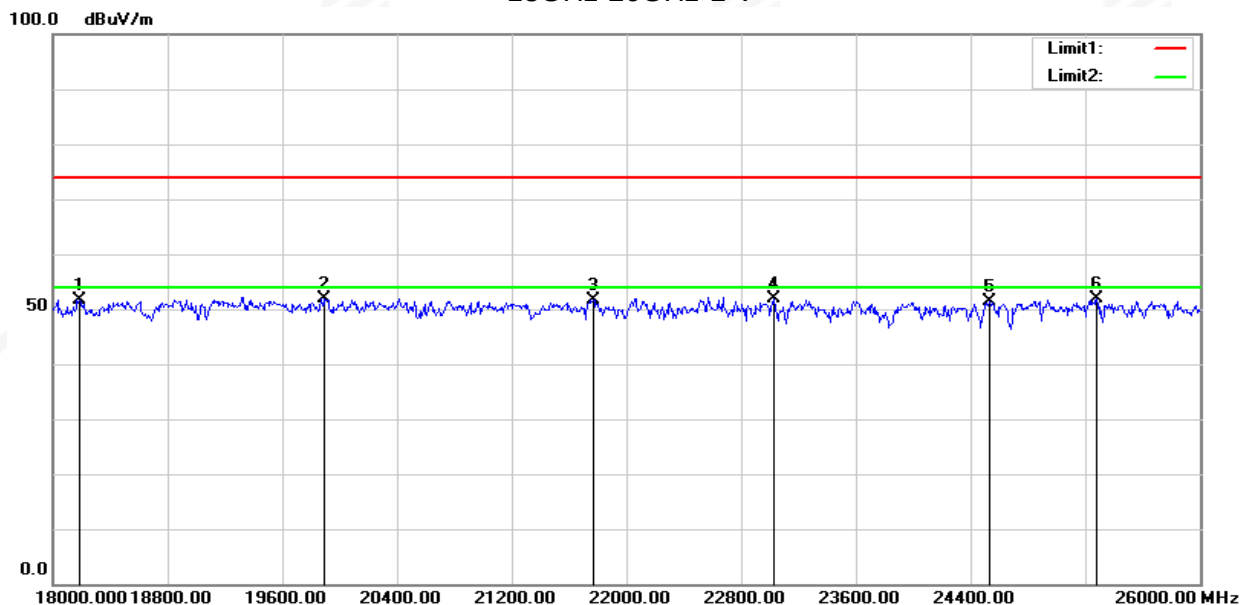


18GHz-26GHz-L-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19392.000	50.10	1.54	51.64	54.00	-2.36	peak
2	20632.000	49.87	2.35	52.22	54.00	-1.78	peak
3	21776.000	49.21	3.20	52.41	54.00	-1.59	peak
4	23304.000	48.21	3.93	52.14	54.00	-1.86	peak
5	23888.000	47.72	4.52	52.24	54.00	-1.76	peak
6	25392.000	46.72	5.58	52.30	54.00	-1.70	peak

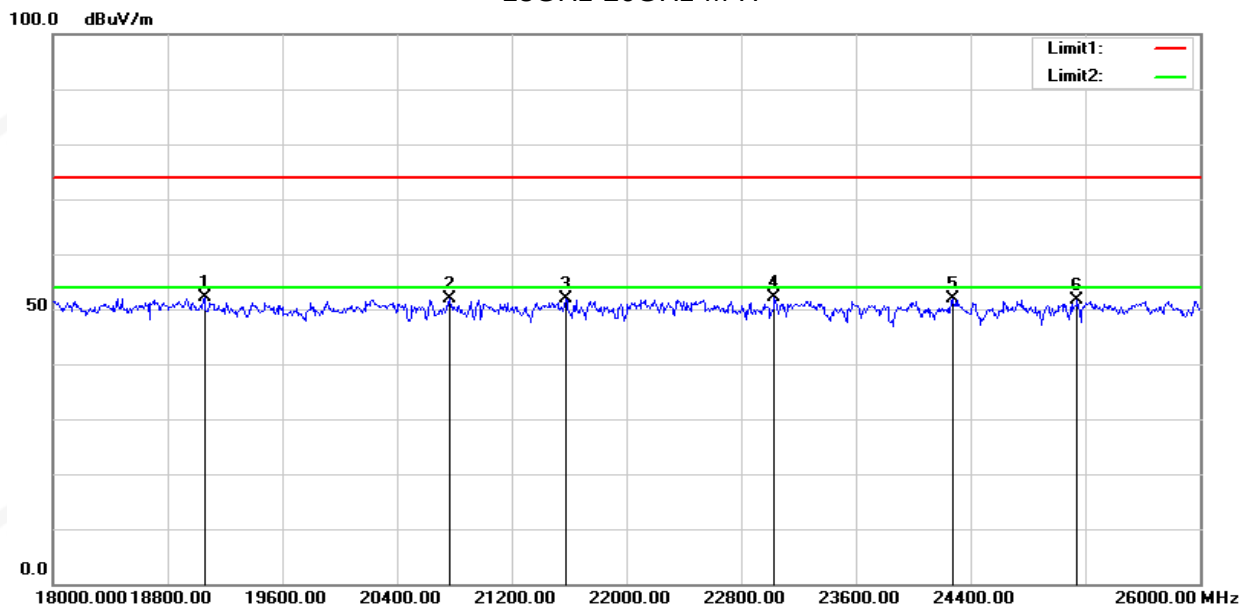
18GHz-26GHz-L-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18184.000	49.23	2.51	51.74	54.00	-2.26	peak
2	19896.000	50.16	1.73	51.89	54.00	-2.11	peak
3	21768.000	48.51	3.19	51.70	54.00	-2.30	peak
4	23032.000	48.33	3.67	52.00	54.00	-2.00	peak
5	24528.000	46.67	4.75	51.42	54.00	-2.58	peak
6	25280.000	46.43	5.51	51.94	54.00	-2.06	peak

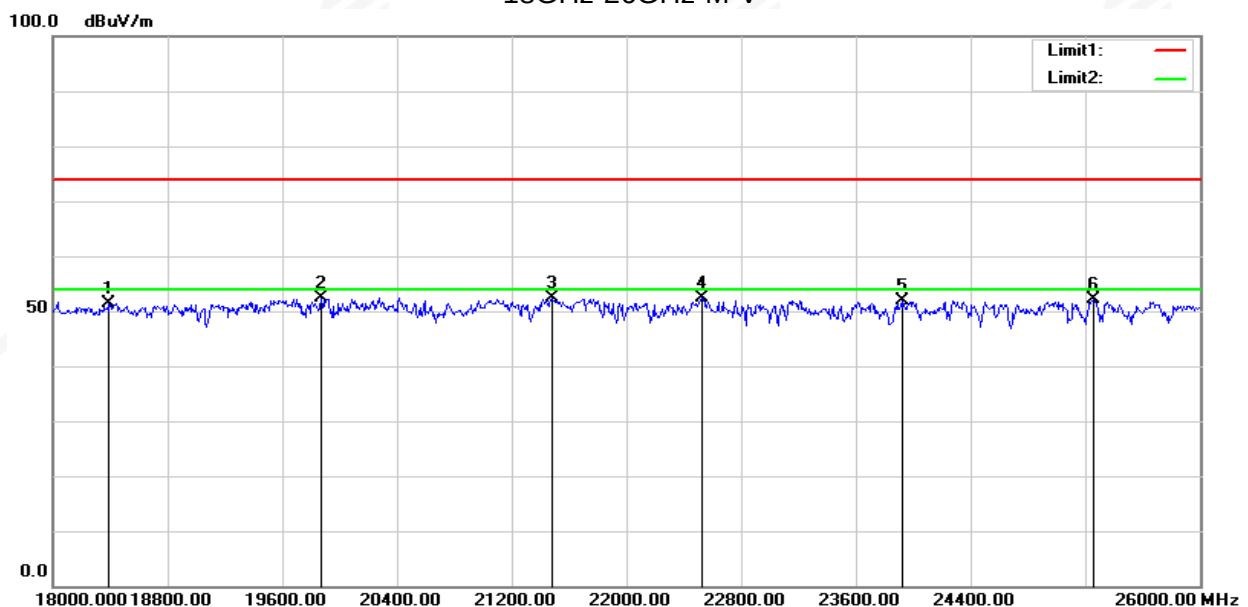


18GHz-26GHz-M-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19056.000	50.38	1.72	52.10	54.00	-1.90	peak
2	20768.000	49.44	2.46	51.90	54.00	-2.10	peak
3	21576.000	48.81	3.01	51.82	54.00	-2.18	peak
4	23032.000	48.49	3.67	52.16	54.00	-1.84	peak
5	24272.000	47.08	4.68	51.76	54.00	-2.24	peak
6	25144.000	46.28	5.41	51.69	54.00	-2.31	peak

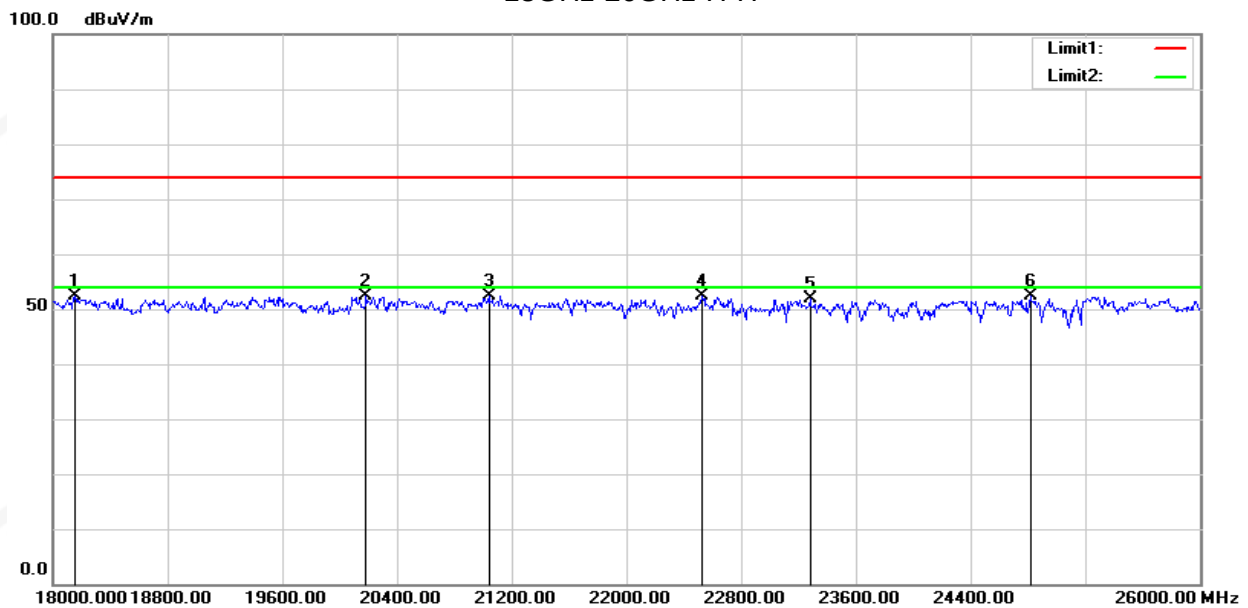
18GHz-26GHz-M-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18392.000	49.10	2.35	51.45	54.00	-2.55	peak
2	19872.000	50.62	1.72	52.34	54.00	-1.66	peak
3	21480.000	49.34	2.93	52.27	54.00	-1.73	peak
4	22528.000	48.57	3.90	52.47	54.00	-1.53	peak
5	23920.000	47.31	4.54	51.85	54.00	-2.15	peak
6	25256.000	46.72	5.49	52.21	54.00	-1.79	peak

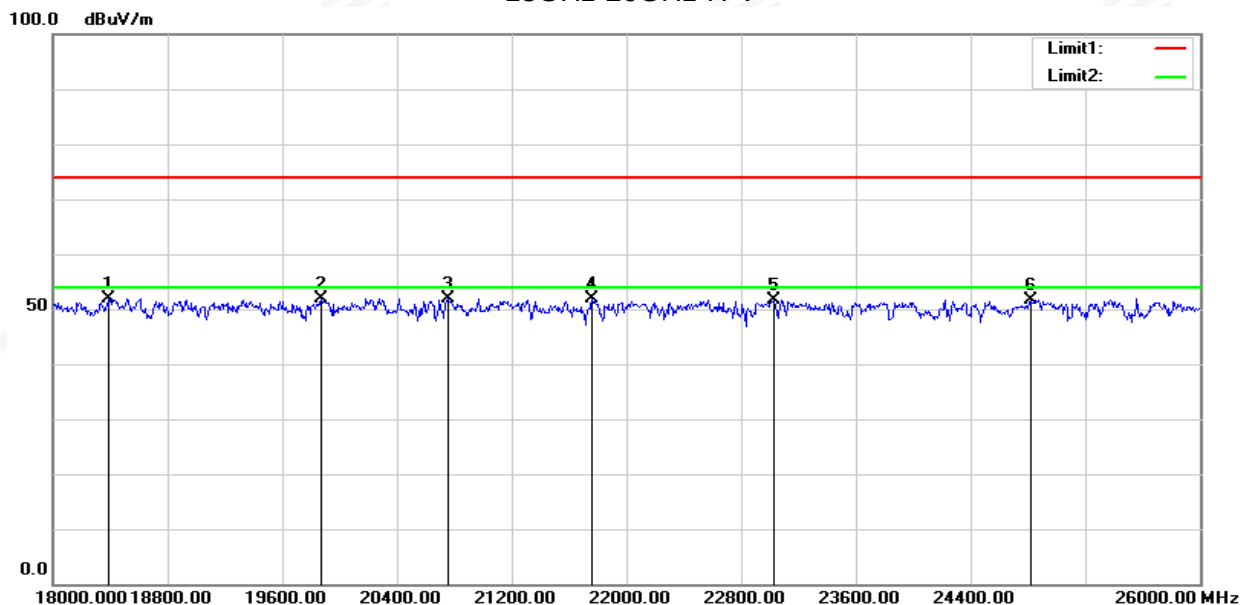


18GHz-26GHz-H-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18152.000	49.93	2.54	52.47	54.00	-1.53	peak
2	20184.000	50.31	1.96	52.27	54.00	-1.73	peak
3	21040.000	49.64	2.69	52.33	54.00	-1.67	peak
4	22528.000	48.41	3.90	52.31	54.00	-1.69	peak
5	23280.000	48.01	3.92	51.93	54.00	-2.07	peak
6	24816.000	47.27	5.09	52.36	54.00	-1.64	peak

18GHz-26GHz-H-V

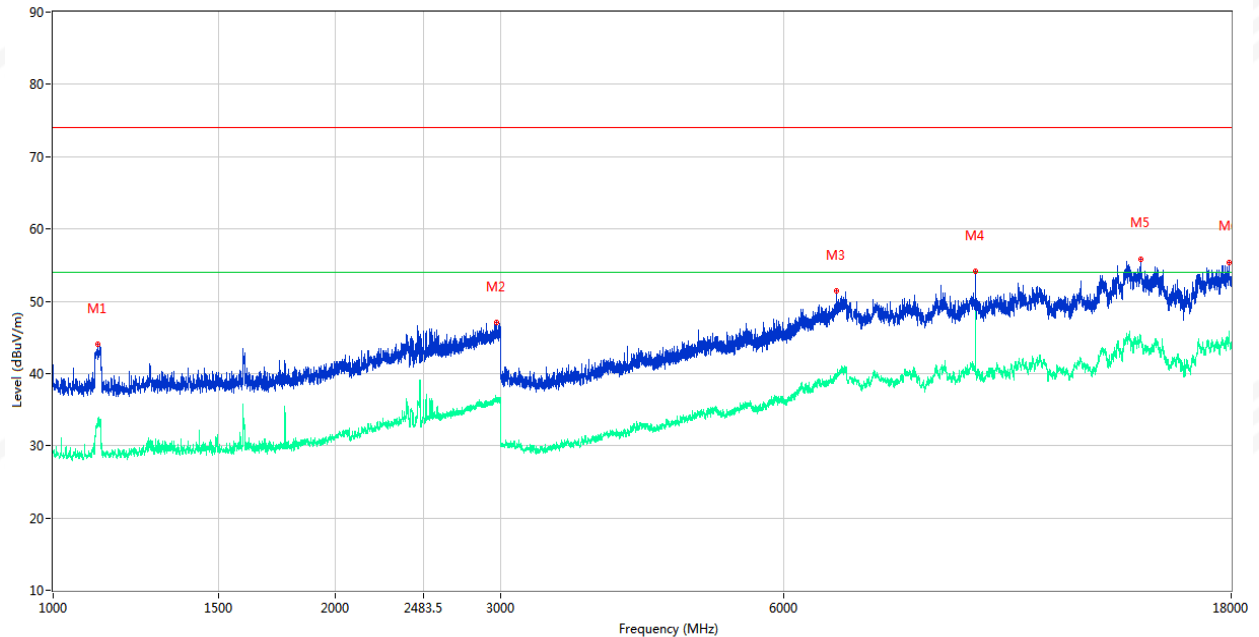


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18392.000	49.60	2.35	51.95	54.00	-2.05	peak
2	19872.000	50.12	1.72	51.84	54.00	-2.16	peak
3	20752.000	49.55	2.44	51.99	54.00	-2.01	peak
4	21760.000	48.74	3.18	51.92	54.00	-2.08	peak
5	23024.000	48.00	3.66	51.66	54.00	-2.34	peak
6	24816.000	46.54	5.09	51.63	54.00	-2.37	peak



2M PHY
1GHz-18GHz-L-H

RE_FCC Test Case_FCC 15C 1GHz-18GHz

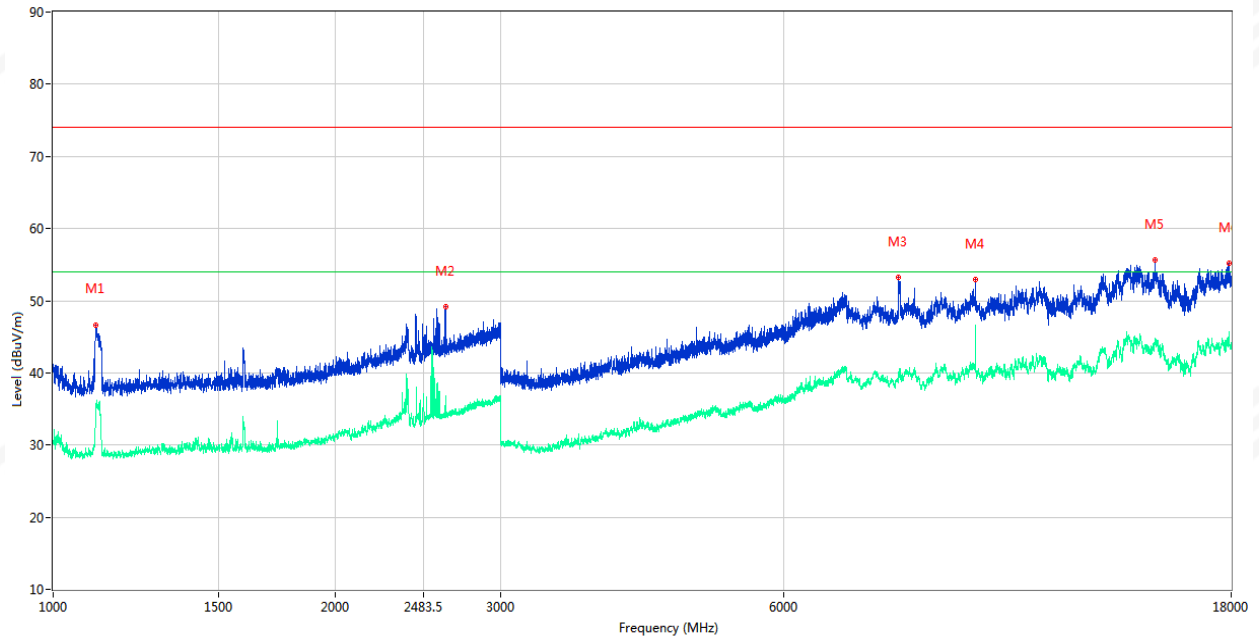


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1116.000	44.02	-1.74	74.0	29.98	Peak	268.50	Horizontal	Pass
1116.000	33.44	-1.74	54.0	20.56	AV	268.50	Horizontal	Pass
2966.500	47.10	5.30	74.0	26.90	Peak	131.60	Horizontal	Pass
2966.500	36.01	5.30	54.0	17.99	AV	131.60	Horizontal	Pass
6841.000	51.37	0.20	74.0	22.63	Peak	254.10	Horizontal	Pass
6841.000	39.56	0.20	54.0	14.44	AV	254.10	Horizontal	Pass
9607.000	54.13	0.57	74.0	19.87	Peak	75.00	Horizontal	Pass
9607.000	48.58	0.57	54.0	5.42	AV	75.00	Horizontal	Pass
14433.250	55.85	6.75	74.0	18.15	Peak	204.10	Horizontal	Pass
14433.250	45.05	6.75	54.0	8.95	AV	204.10	Horizontal	Pass
17901.001	55.40	7.23	74.0	18.60	Peak	77.20	Horizontal	Pass
17901.001	45.30	7.23	54.0	8.70	AV	77.20	Horizontal	Pass



1GHz-18GHz-L-V

RE_FCC Test Case_FCC 15C 1GHz-18GHz

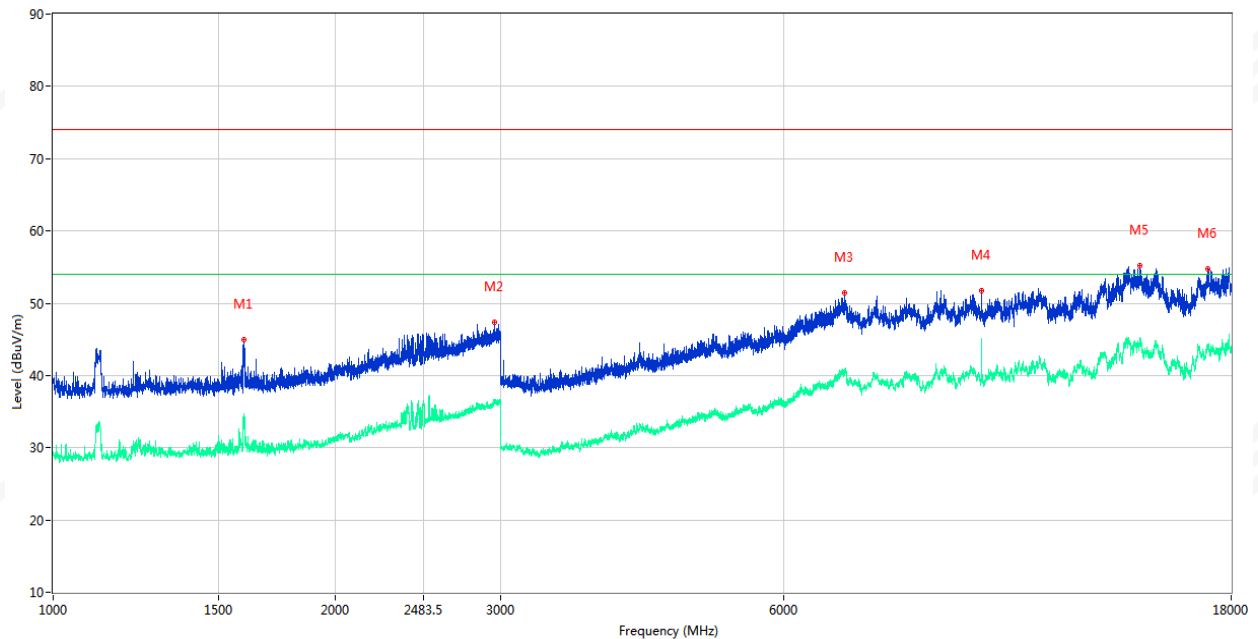


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1111.500	46.66	-1.74	74.0	27.34	Peak	157.30	Vertical	Pass
1111.500	35.47	-1.74	54.0	18.53	AV	157.30	Vertical	Pass
2618.000	49.12	3.63	74.0	24.88	Peak	356.30	Vertical	Pass
2618.000	34.51	3.63	54.0	19.49	AV	356.30	Vertical	Pass
7962.500	53.18	-0.95	74.0	20.82	Peak	111.00	Vertical	Pass
7962.500	39.67	-0.95	54.0	14.33	AV	111.00	Vertical	Pass
9607.000	52.93	0.57	74.0	21.07	Peak	298.00	Vertical	Pass
9607.000	46.57	0.57	54.0	7.43	AV	298.00	Vertical	Pass
14939.250	55.63	5.40	74.0	18.37	Peak	120.00	Vertical	Pass
14939.250	44.84	5.40	54.0	9.16	AV	120.00	Vertical	Pass
17906.500	55.21	7.19	74.0	18.79	Peak	5.00	Vertical	Pass
17906.500	45.25	7.19	54.0	8.75	AV	5.00	Vertical	Pass



1GHz-18GHz-M-H

RE_FCC Test Case_FCC 15C 1GHz-18GHz

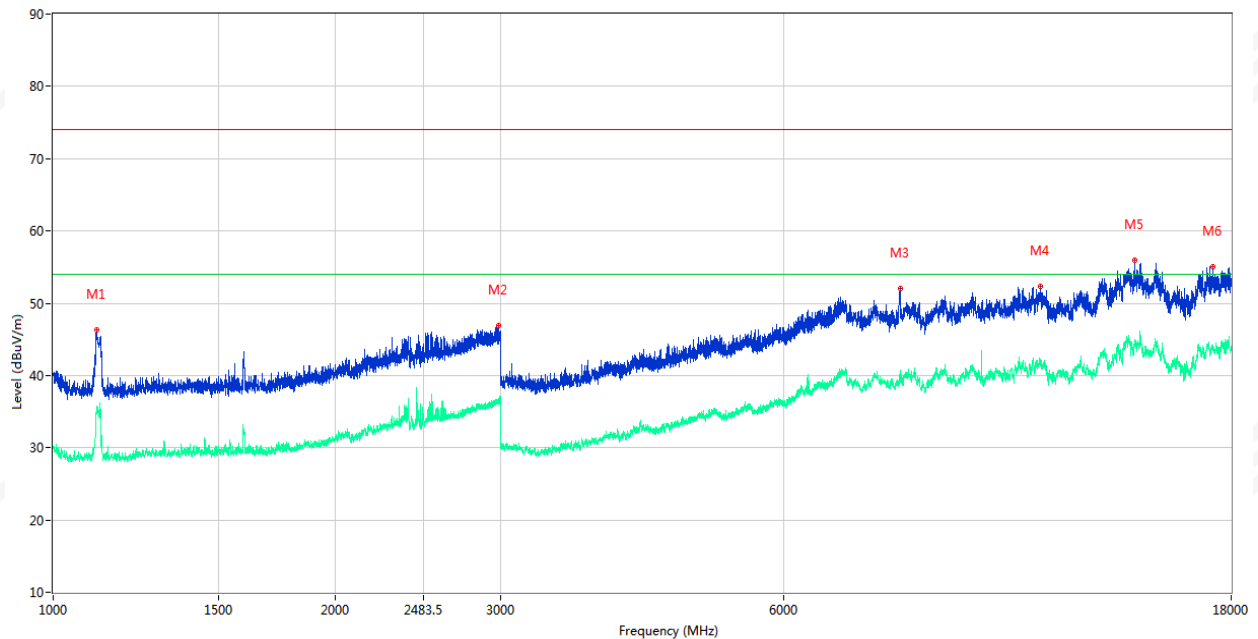


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1598.000	44.96	-0.97	74.0	29.04	Peak	146.80	Horizontal	Pass
1598.000	34.77	-0.97	54.0	19.23	AV	146.80	Horizontal	Pass
2951.500	47.35	5.22	74.0	26.65	Peak	41.50	Horizontal	Pass
2951.500	36.03	5.22	54.0	17.97	AV	41.50	Horizontal	Pass
6978.000	51.37	1.14	74.0	22.63	Peak	85.10	Horizontal	Pass
6978.000	40.73	1.14	54.0	13.27	AV	85.10	Horizontal	Pass
9758.250	51.72	0.26	74.0	22.28	Peak	242.50	Horizontal	Pass
9758.250	45.17	0.26	54.0	8.83	AV	242.50	Horizontal	Pass
14403.000	55.20	6.97	74.0	18.80	Peak	296.00	Horizontal	Pass
14403.000	45.07	6.97	54.0	8.93	AV	296.00	Horizontal	Pass
17010.000	54.72	5.47	74.0	19.28	Peak	10.70	Horizontal	Pass
17010.000	43.75	5.47	54.0	10.25	AV	10.70	Horizontal	Pass



1GHz-18GHz-M-V

RE_FCC Test Case_FCC 15C 1GHz-18GHz

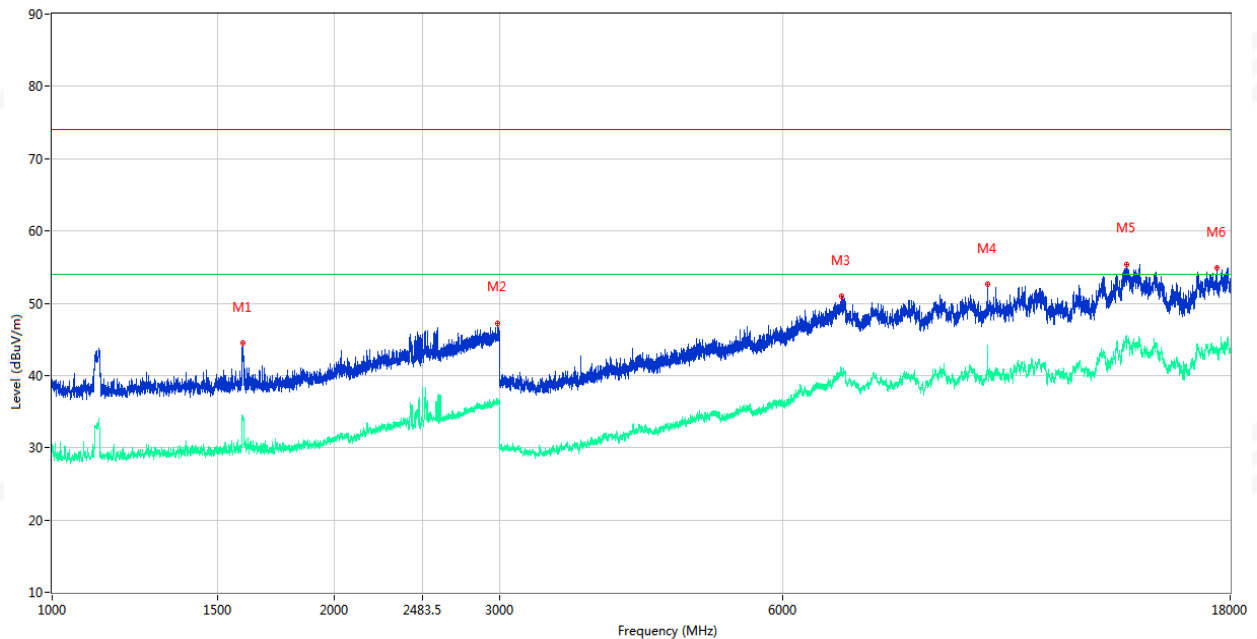


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1112.000	46.25	-1.74	74.0	27.75	Peak	157.50	Vertical	Pass
1112.000	35.05	-1.74	54.0	18.95	AV	157.50	Vertical	Pass
2983.000	46.88	5.38	74.0	27.12	Peak	252.30	Vertical	Pass
2983.000	36.11	5.38	54.0	17.89	AV	252.30	Vertical	Pass
7992.750	52.03	-0.72	74.0	21.97	Peak	117.50	Vertical	Pass
7992.750	40.46	-0.72	54.0	13.54	AV	117.50	Vertical	Pass
11268.000	52.31	2.39	74.0	21.69	Peak	63.60	Vertical	Pass
11268.000	41.84	2.39	54.0	12.16	AV	63.60	Vertical	Pass
14196.750	55.95	6.96	74.0	18.05	Peak	78.50	Vertical	Pass
14196.750	44.97	6.96	54.0	9.03	AV	78.50	Vertical	Pass
17205.250	55.09	5.74	74.0	18.91	Peak	5.90	Vertical	Pass
17205.250	44.05	5.74	54.0	9.95	AV	5.90	Vertical	Pass



1GHz-18GHz-H-H

RE_FCC Test Case_FCC 15C 1GHz-18GHz

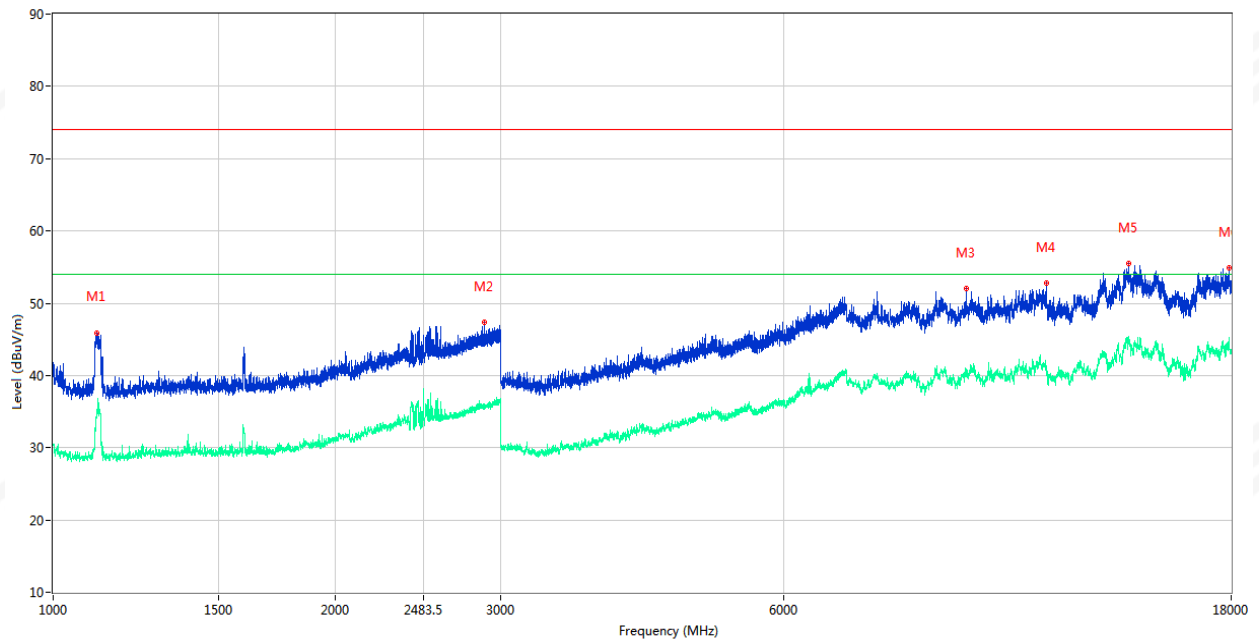


Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1596.500	44.52	-0.97	74.0	29.48	Peak	77.20	Horizontal	Pass
1596.500	34.35	-0.97	54.0	19.65	AV	77.20	Horizontal	Pass
2982.500	47.28	5.37	74.0	26.72	Peak	238.70	Horizontal	Pass
2982.500	36.05	5.37	54.0	17.95	AV	238.70	Horizontal	Pass
6938.000	50.96	0.82	74.0	23.04	Peak	349.90	Horizontal	Pass
6938.000	40.43	0.82	54.0	13.57	AV	349.90	Horizontal	Pass
9920.500	52.64	0.60	74.0	21.36	Peak	75.30	Horizontal	Pass
9920.500	44.20	0.60	54.0	9.80	AV	75.30	Horizontal	Pass
13952.000	55.42	7.85	74.0	18.58	Peak	360.00	Horizontal	Pass
13952.000	45.58	7.85	54.0	8.42	AV	360.00	Horizontal	Pass
17411.500	54.93	6.78	74.0	19.07	Peak	27.70	Horizontal	Pass
17411.500	42.91	6.78	54.0	11.09	AV	27.70	Horizontal	Pass



1GHz-18GHz-H-V

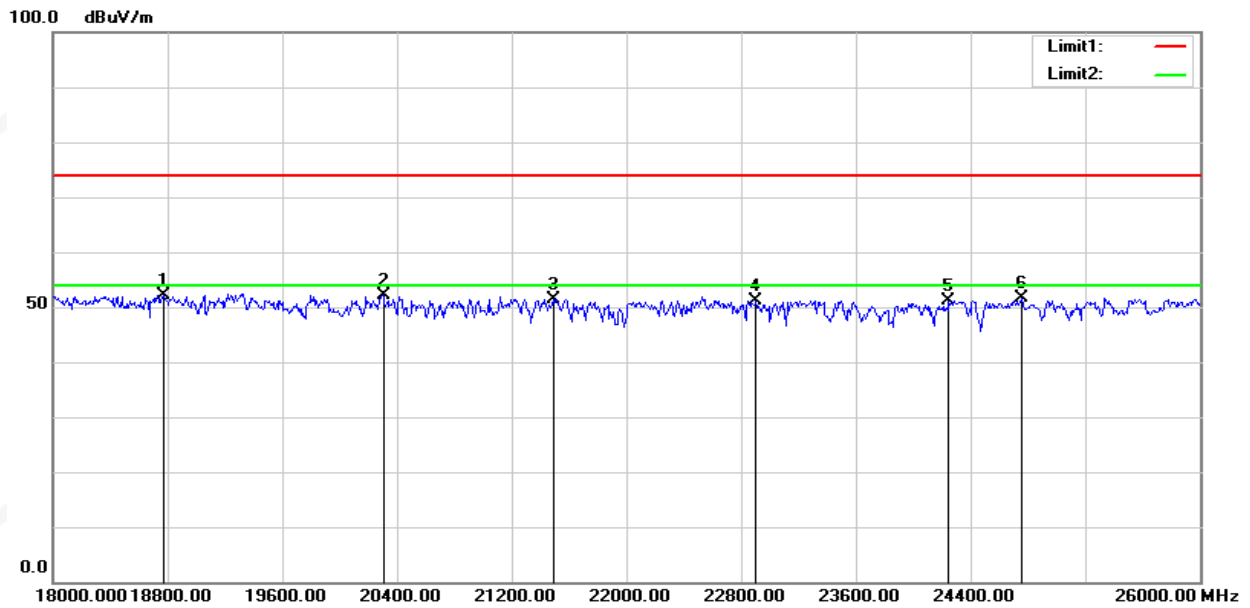
RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Antenna	Verdict
1114.000	45.91	-1.74	74.0	28.09	Peak	151.50	Vertical	Pass
1114.000	34.65	-1.74	54.0	19.35	AV	151.50	Vertical	Pass
2879.000	47.34	4.94	74.0	26.66	Peak	200.30	Vertical	Pass
2879.000	35.38	4.94	54.0	18.62	AV	200.30	Vertical	Pass
9395.250	52.06	0.94	74.0	21.94	Peak	0.30	Vertical	Pass
9395.250	40.67	0.94	54.0	13.33	AV	0.30	Vertical	Pass
11438.500	52.83	1.96	74.0	21.17	Peak	267.30	Vertical	Pass
11438.500	41.28	1.96	54.0	12.72	AV	267.30	Vertical	Pass
13990.500	55.45	8.33	74.0	18.55	Peak	275.80	Vertical	Pass
13990.500	44.77	8.33	54.0	9.23	AV	275.80	Vertical	Pass
17901.001	54.88	7.23	74.0	19.12	Peak	29.20	Vertical	Pass
17901.001	45.21	7.23	54.0	8.79	AV	29.20	Vertical	Pass

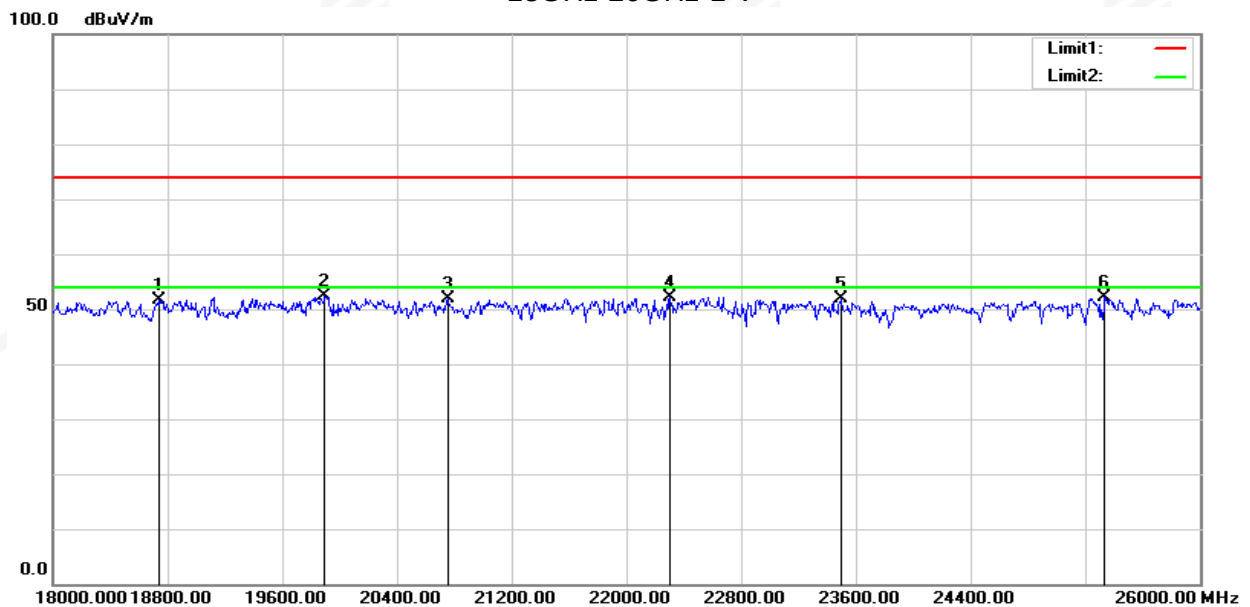


18GHz-26GHz-L-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18776.000	50.25	1.97	52.22	54.00	-1.78	peak
2	20304.000	50.14	2.06	52.20	54.00	-1.80	peak
3	21488.000	48.54	2.94	51.48	54.00	-2.52	peak
4	22904.000	47.54	3.69	51.23	54.00	-2.77	peak
5	24248.000	46.54	4.67	51.21	54.00	-2.79	peak
6	24760.000	46.50	5.02	51.52	54.00	-2.48	peak

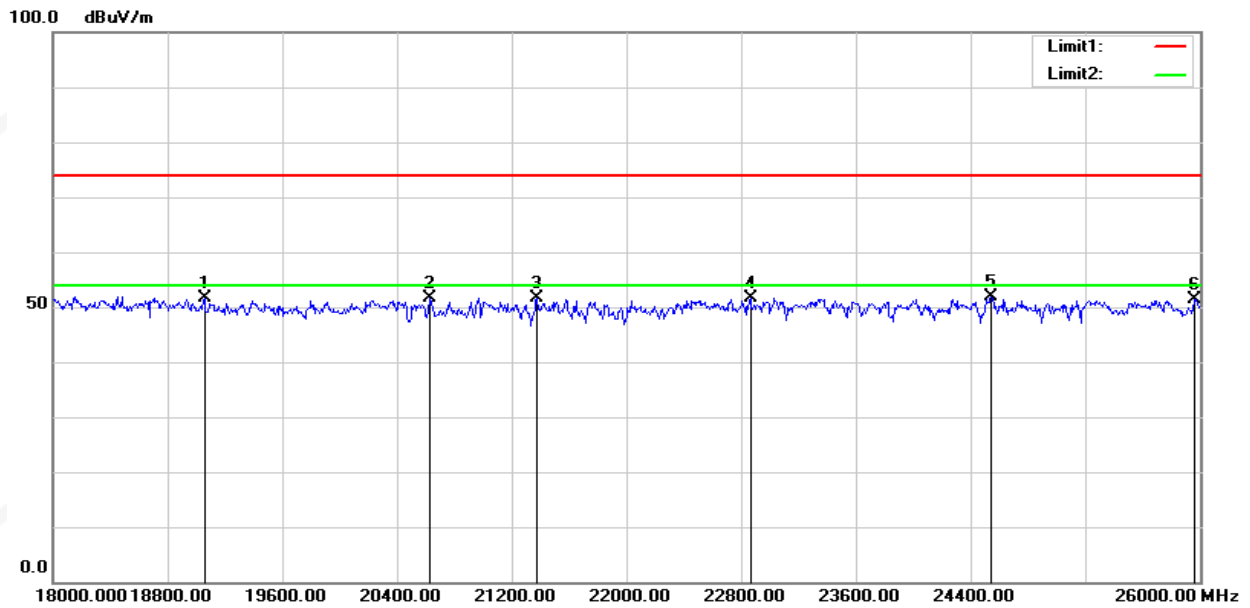
18GHz-26GHz-L-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18736.000	49.59	2.02	51.61	54.00	-2.39	peak
2	19896.000	50.66	1.73	52.39	54.00	-1.61	peak
3	20752.000	49.55	2.44	51.99	54.00	-2.01	peak
4	22304.000	48.42	3.72	52.14	54.00	-1.86	peak
5	23496.000	47.66	4.13	51.79	54.00	-2.21	peak
6	25336.000	46.59	5.54	52.13	54.00	-1.87	peak

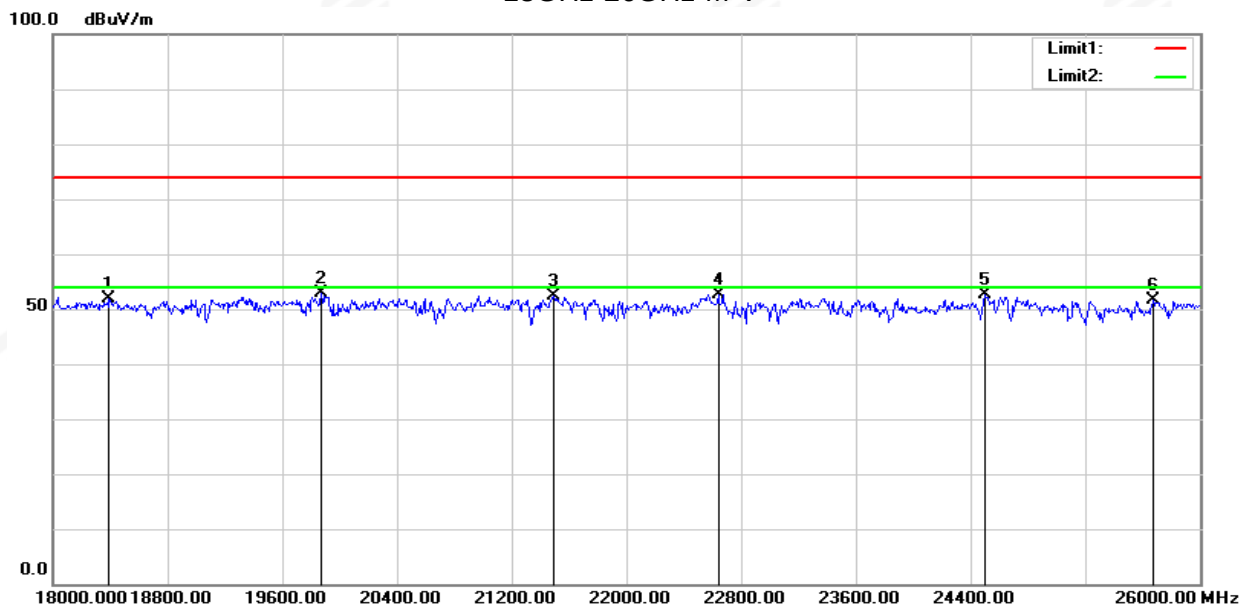


18GHz-26GHz-M-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19056.000	49.88	1.72	51.60	54.00	-2.40	peak
2	20632.000	49.37	2.35	51.72	54.00	-2.28	peak
3	21376.000	48.75	2.87	51.62	54.00	-2.38	peak
4	22864.000	47.99	3.71	51.70	54.00	-2.30	peak
5	24544.000	47.14	4.76	51.90	54.00	-2.10	peak
6	25960.000	45.64	5.79	51.43	54.00	-2.57	peak

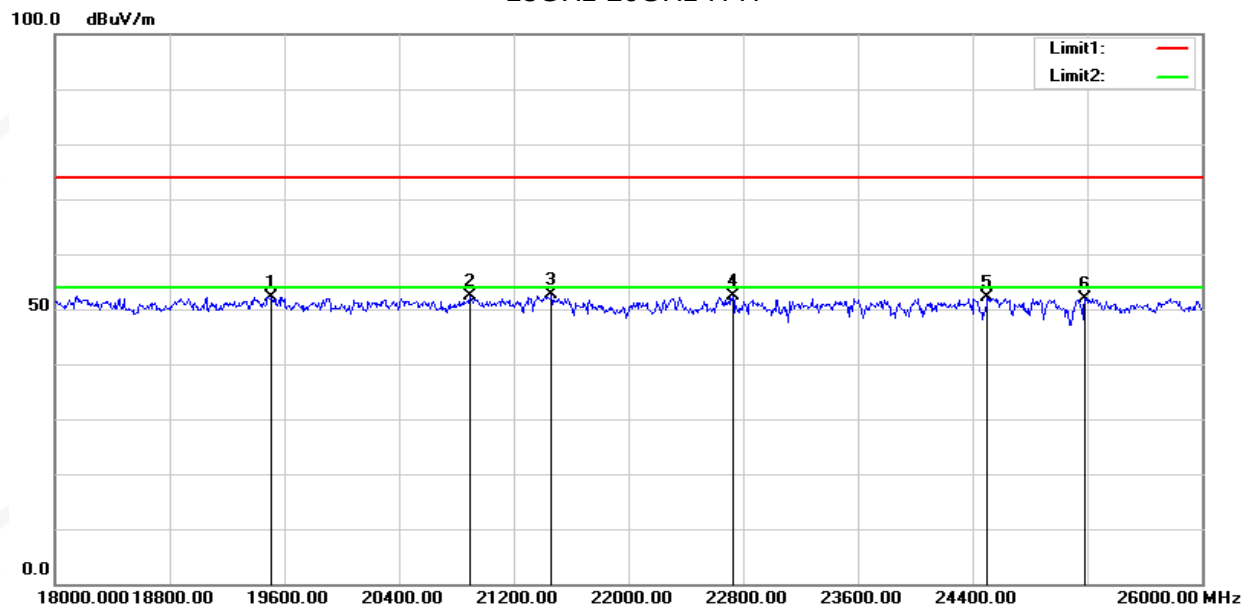
18GHz-26GHz-M-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18392.000	49.60	2.35	51.95	54.00	-2.05	peak
2	19872.000	51.12	1.72	52.84	54.00	-1.16	peak
3	21496.000	49.46	2.94	52.40	54.00	-1.60	peak
4	22640.000	48.84	3.83	52.67	54.00	-1.33	peak
5	24496.000	47.97	4.72	52.69	54.00	-1.31	peak
6	25672.000	45.81	5.70	51.51	54.00	-2.49	peak



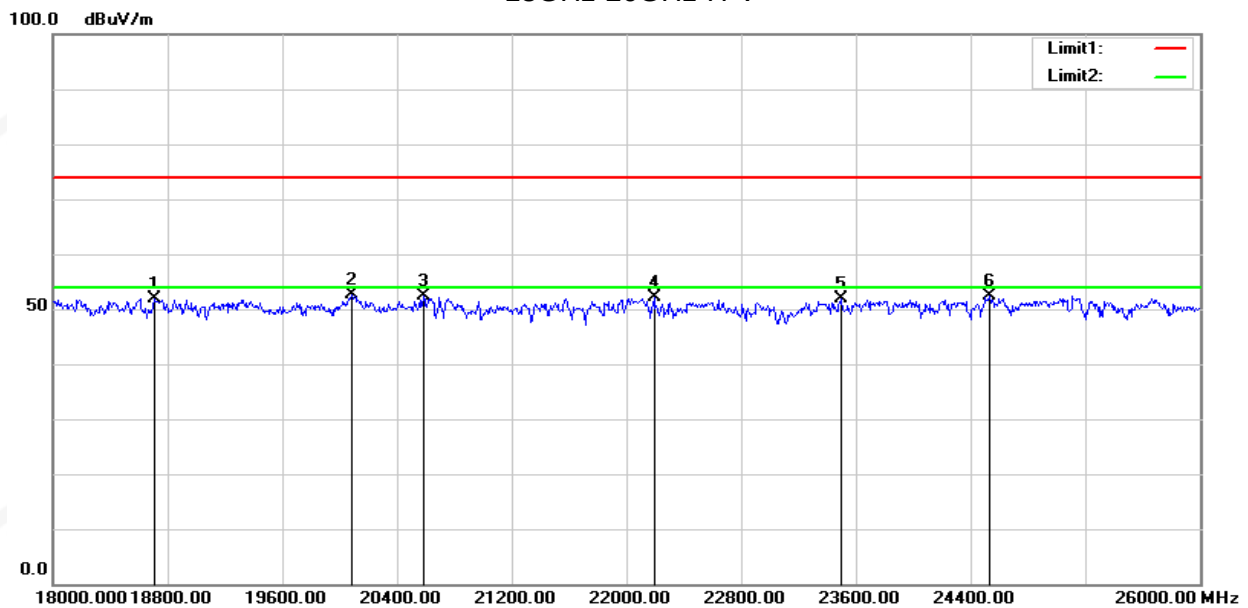
18GHz-26GHz-H-H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19512.000	50.70	1.48	52.18	54.00	-1.82	peak
2	20896.000	49.83	2.58	52.41	54.00	-1.59	peak
3	21464.000	49.65	2.92	52.57	54.00	-1.43	peak
4	22728.000	48.49	3.79	52.28	54.00	-1.72	peak
5	24504.000	47.46	4.72	52.18	54.00	-1.82	peak
6	25184.000	46.57	5.43	52.00	54.00	-2.00	peak



18GHz-26GHz-H-V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18704.000	49.82	2.04	51.86	54.00	-2.14	peak
2	20088.000	50.73	1.88	52.61	54.00	-1.39	peak
3	20584.000	50.18	2.30	52.48	54.00	-1.52	peak
4	22192.000	48.50	3.61	52.11	54.00	-1.89	peak
5	23496.000	47.66	4.13	51.79	54.00	-2.21	peak
6	24528.000	47.67	4.75	52.42	54.00	-1.58	peak

Note:

1) Factor = Antenna Factor + Cable Loss – Pre-amplifier.

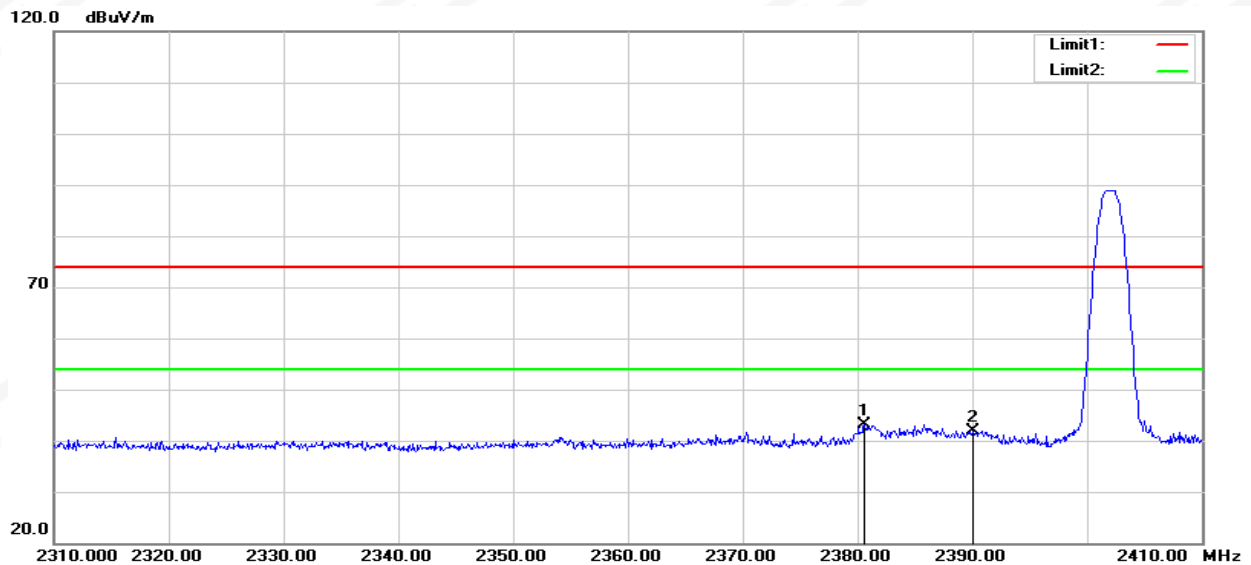
Emission Level = Reading + Factor

2) The frequency above 18GHz emission of peak points that show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



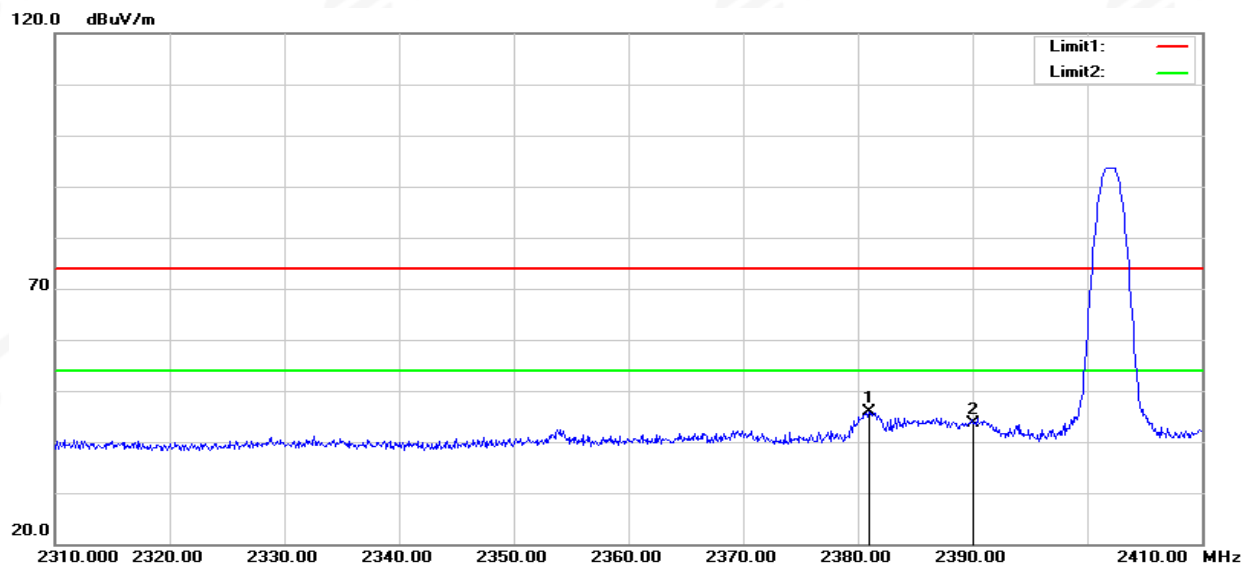
4.6 TEST RESULTS (Restricted Bands Requirements)

1M PHY
GFSK-Low
Horizontal

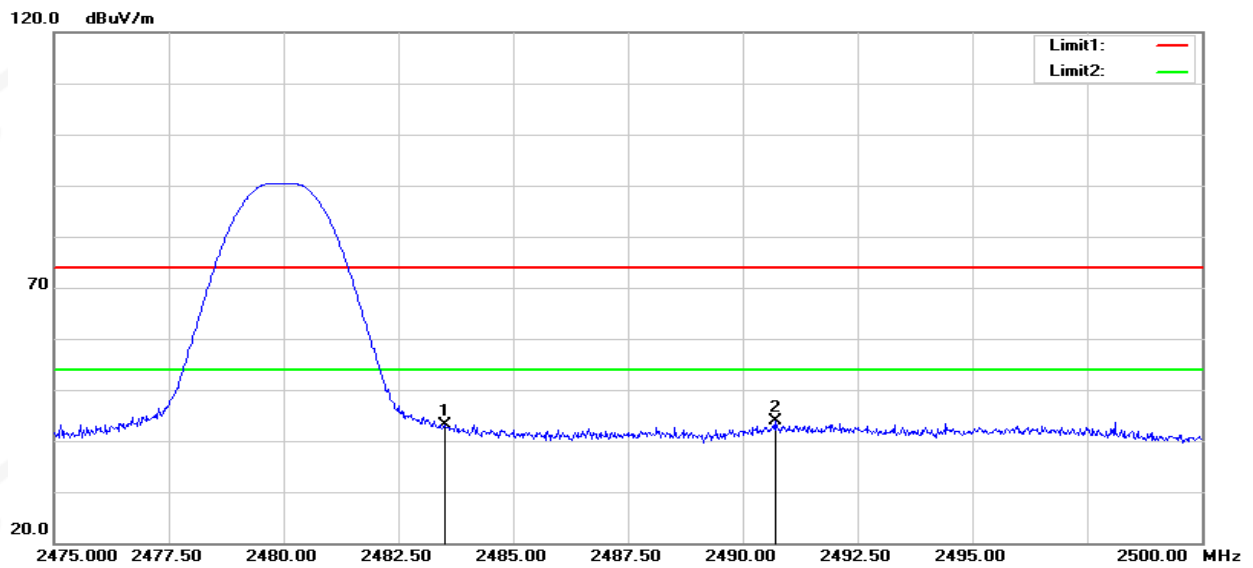


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2380.600	42.44	0.73	43.17	54.00	-10.83	peak
2	2390.000	41.04	0.81	41.85	54.00	-12.15	peak

Vertical

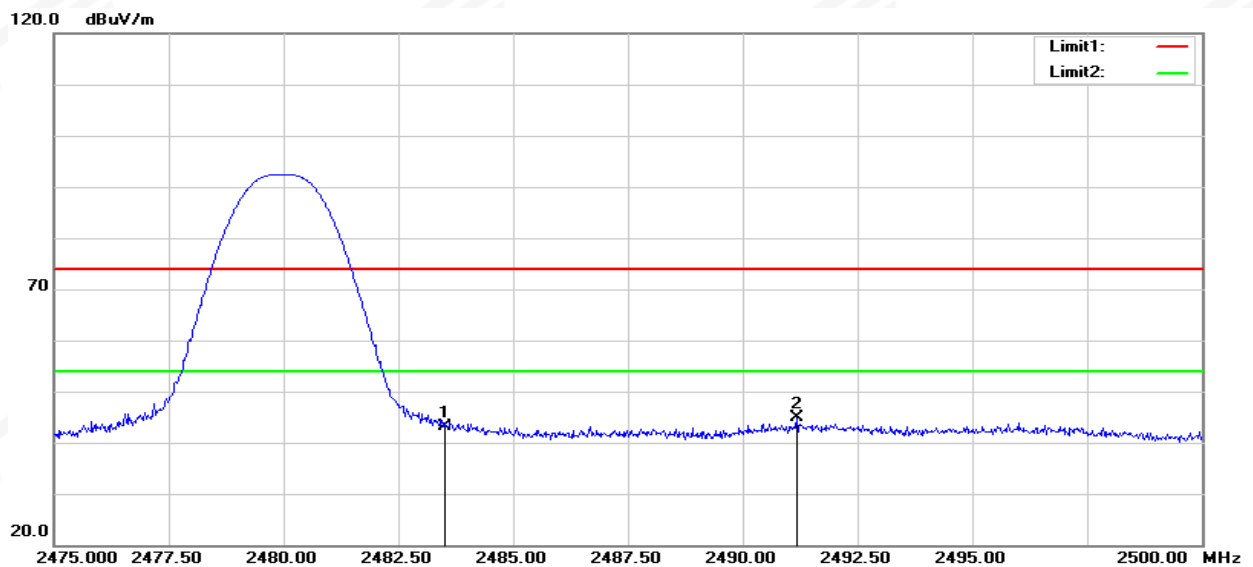


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.000	45.05	0.75	45.80	54.00	-8.20	peak
2	2390.000	42.92	0.81	43.73	54.00	-10.27	peak

GFSK-High
Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	42.07	1.02	43.09	54.00	-10.91	peak
2	2490.700	42.81	1.04	43.85	54.00	-10.15	peak

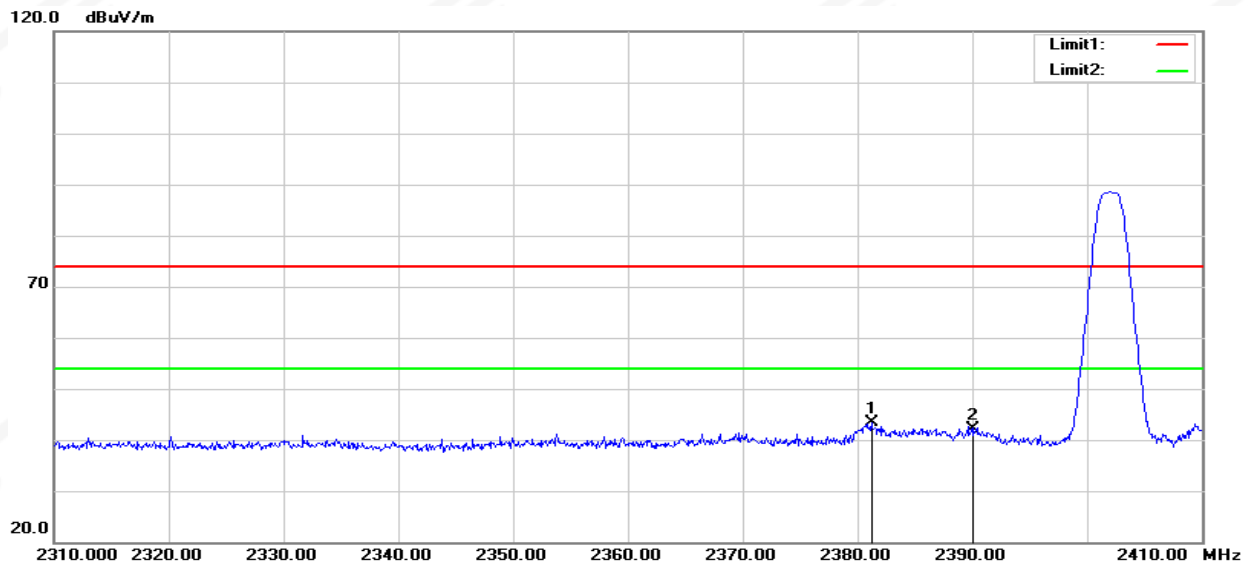
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	42.19	1.02	43.21	54.00	-10.79	peak
2	2491.175	43.93	1.04	44.97	54.00	-9.03	peak

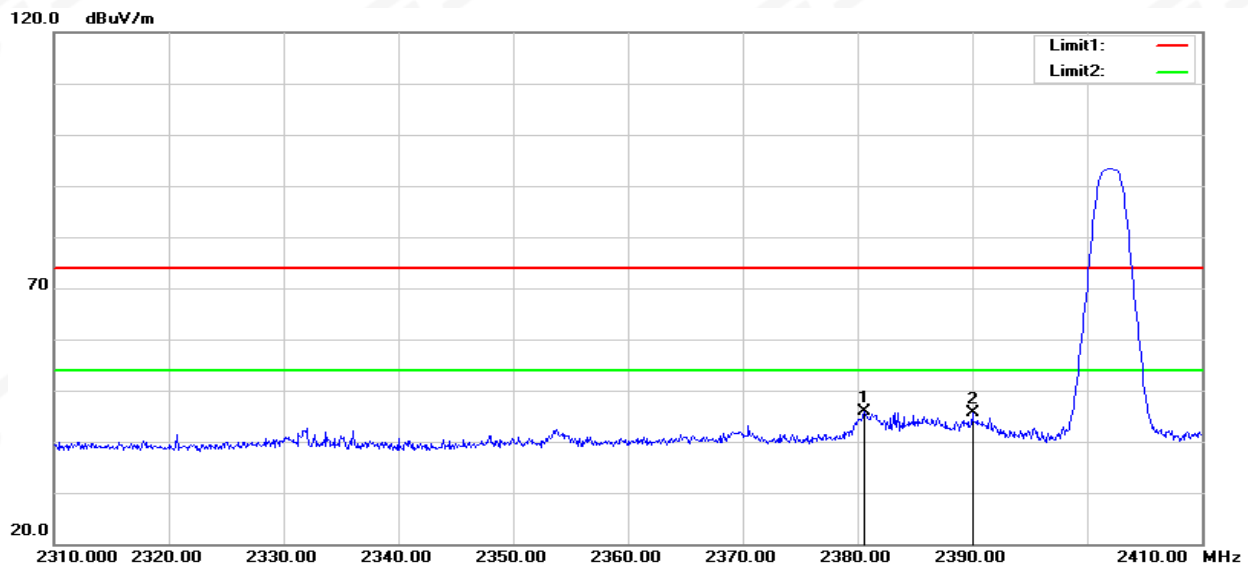


2M PHY
GFSK-Low
Horizontal

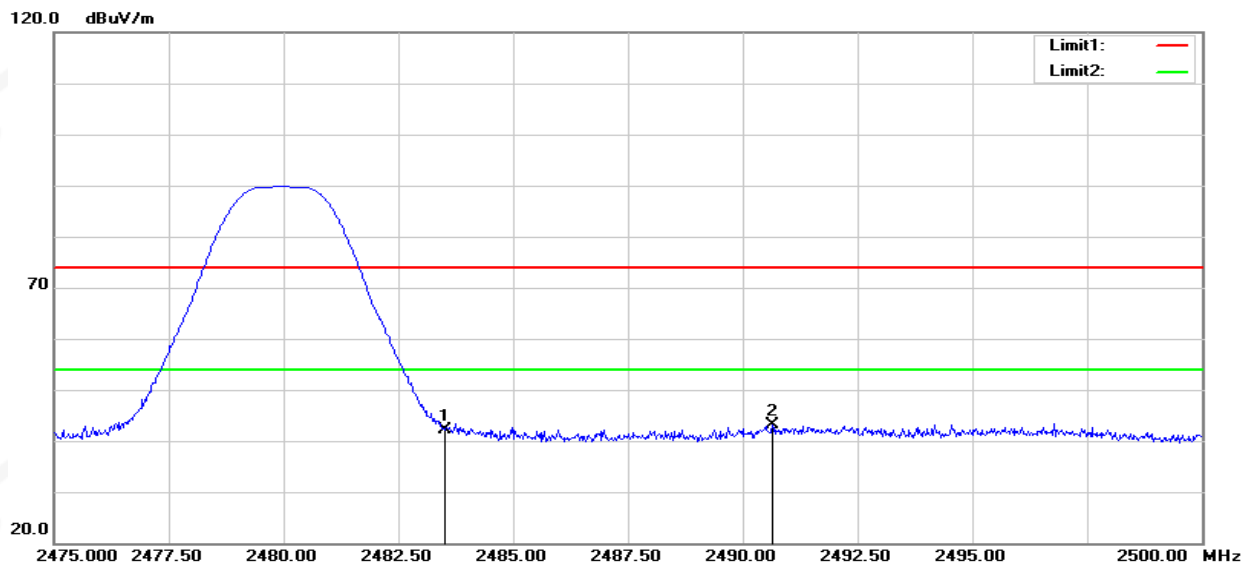


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.200	42.63	0.75	43.38	54.00	-10.62	peak
2	2390.000	41.44	0.81	42.25	54.00	-11.75	peak

Vertical

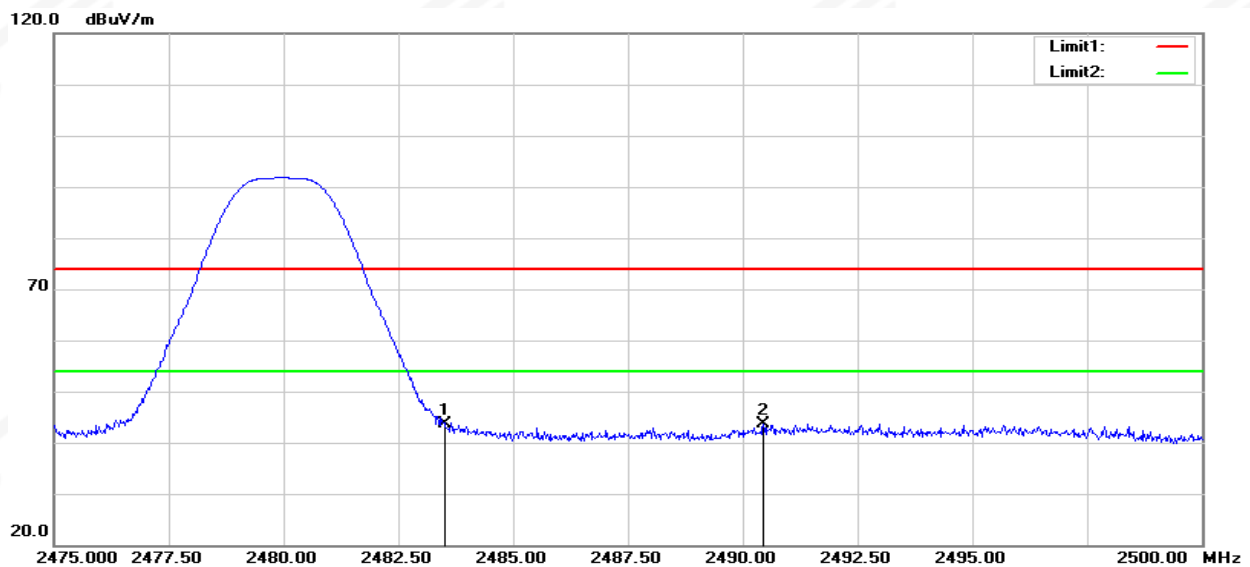


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2380.600	45.20	0.73	45.93	54.00	-8.07	peak
2	2390.000	44.92	0.81	45.73	54.00	-8.27	peak

GFSK-High
Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	41.12	1.02	42.14	54.00	-11.86	peak
2	2490.650	42.13	1.04	43.17	54.00	-10.83	peak

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	42.73	1.02	43.75	54.00	-10.25	peak
2	2490.450	42.66	1.04	43.70	54.00	-10.30	peak

5. DUTY CYCLE

5.1 TEST STANDARD

Please refer to ANSI C63.10-2020 Section 11.6

5.2 TEST PROCEDURE

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Zero
RB	set RBW to the largest available value
VB	$VBW \geq RBW$.
Detector	Peak
Trace	Clear Write
Sweep Time	Auto

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

Note: The test data please refer to APPENDIX 1.

6. CONDUCTED SPURIOUS & BAND EDGE EMISSION

6.1 LIMIT

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

6.2 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

For Band edge

Spectrum Parameter	Setting
Detector	Peak
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

6.3 TEST SETUP



The EUT is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. Make the measurement with the spectrum analyzer's resolution bandwidth(RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

6.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

6.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	≤ 8 dBm (RBW ≥ 3 KHz)	2400-2483.5	PASS

7.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW to: $100 \text{ kHz} \geq \text{RBW} \geq 3 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

7.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.

8. BANDWIDTH TEST

8.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

8.2 TEST PROCEDURE

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW $\geq 3\text{RBW}$, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

8.3 TEST SETUP



8.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

8.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



9. PEAK OUTPUT POWER TEST

9.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

9.2 TEST PROCEDURE

One of the following procedures may be used to determine the maximum peak conducted output power of a DTS EUT.

RBW $\geq$ DTS bandwidth

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq$ [3 $\times$ RBW].
- Set span $\geq$ [3 $\times$ RBW].
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

9.3 TEST SETUP



9.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

9.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.



10. ANTENNA REQUIREMENT

10.1 STANDARD REQUIREMENT

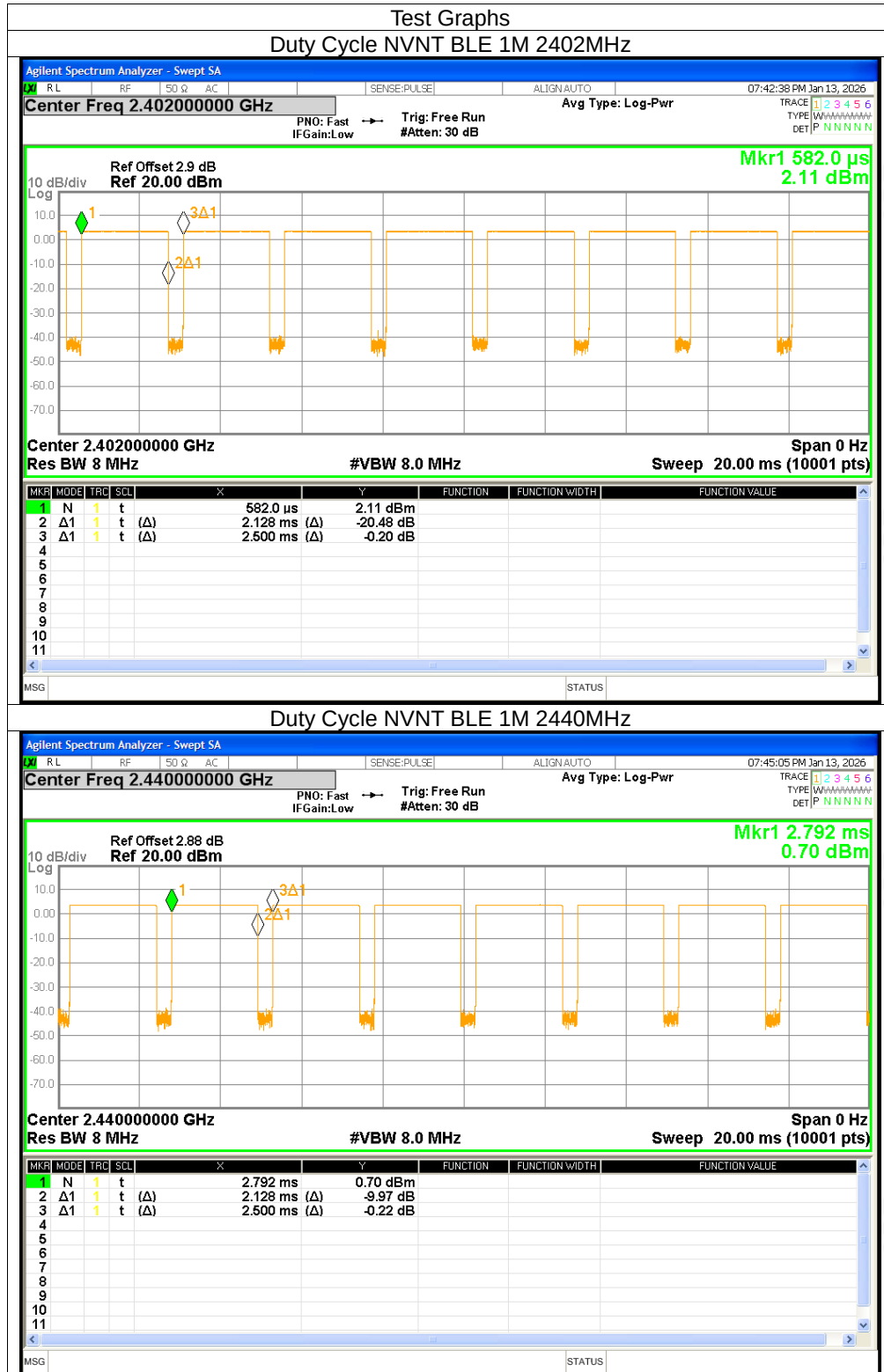
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

10.2 EUT ANTENNA

The EUT antenna is Inverted F Antenna. It comply with the standard requirement.

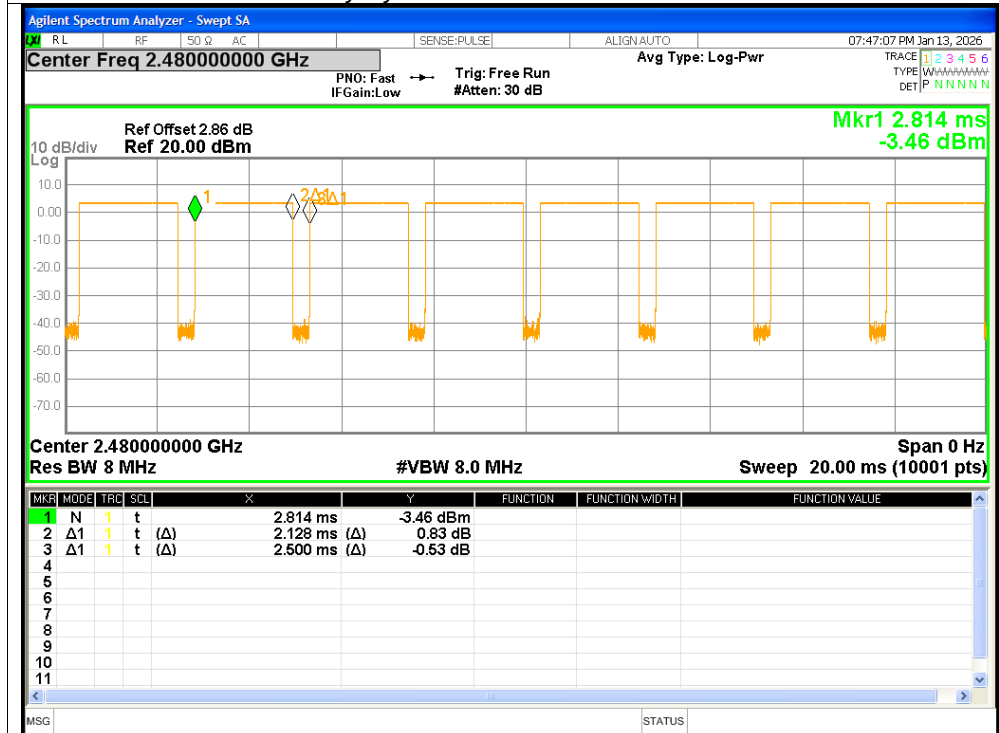
**APPENDIX 1-TEST DATA****Duty Cycle**

Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	2.128	2.5	85.12	0.7	0.47
NVNT	BLE 1M	2440	2.128	2.5	85.12	0.7	0.47
NVNT	BLE 1M	2480	2.128	2.5	85.12	0.7	0.47
NVNT	BLE 2M	2402	1.074	1.25	85.92	0.66	0.93
NVNT	BLE 2M	2440	1.074	1.25	85.92	0.66	0.93
NVNT	BLE 2M	2480	1.074	1.25	85.92	0.66	0.93





Duty Cycle NVNT BLE 1M 2480MHz



Duty Cycle NVNT BLE 2M 2402MHz

