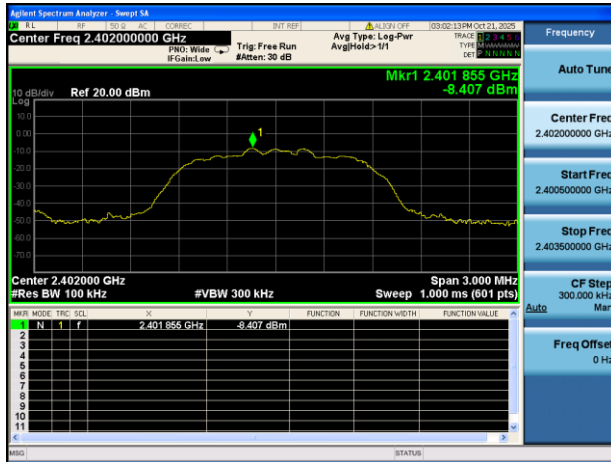
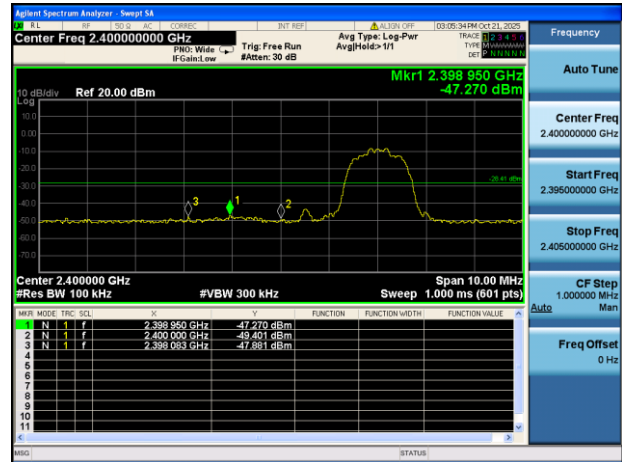
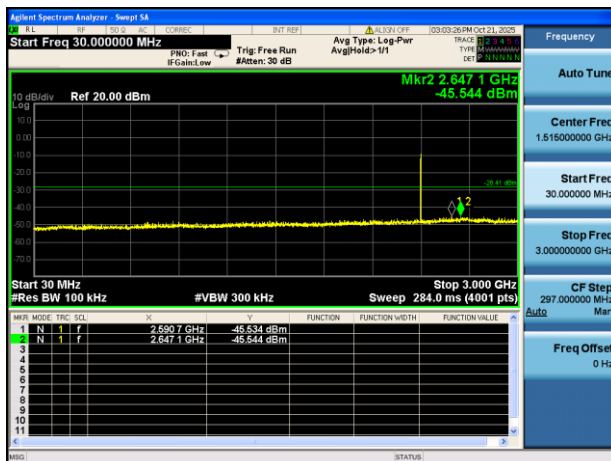
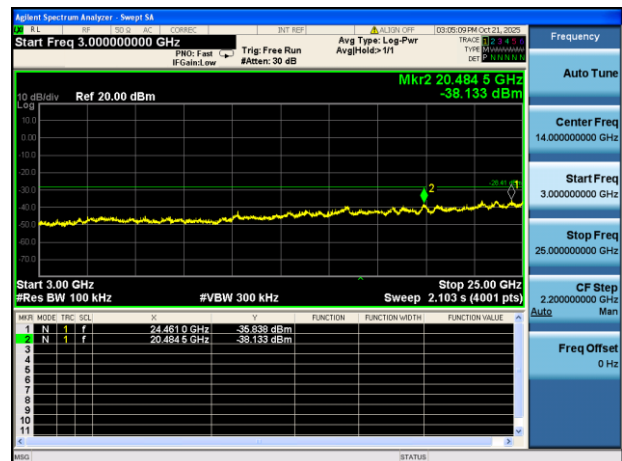
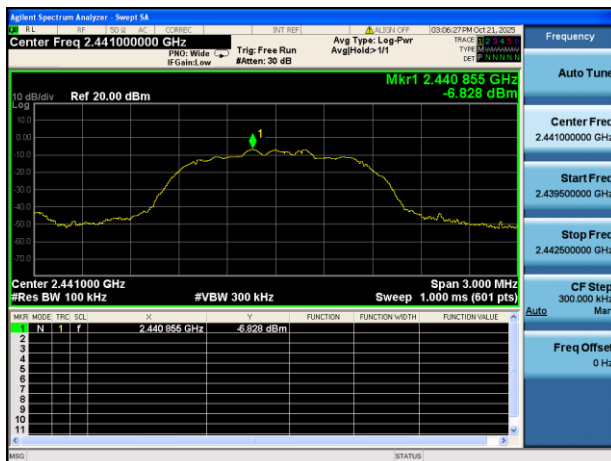
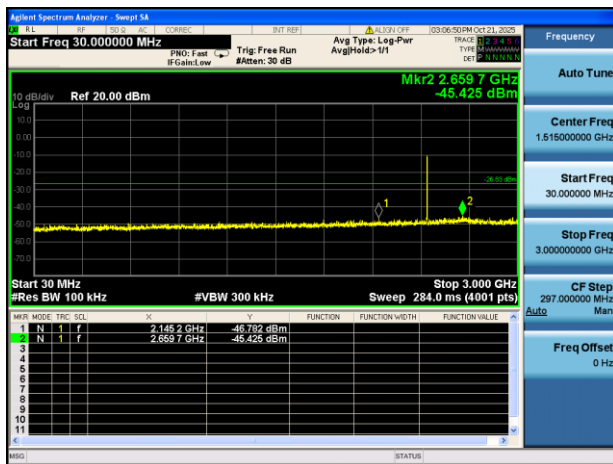
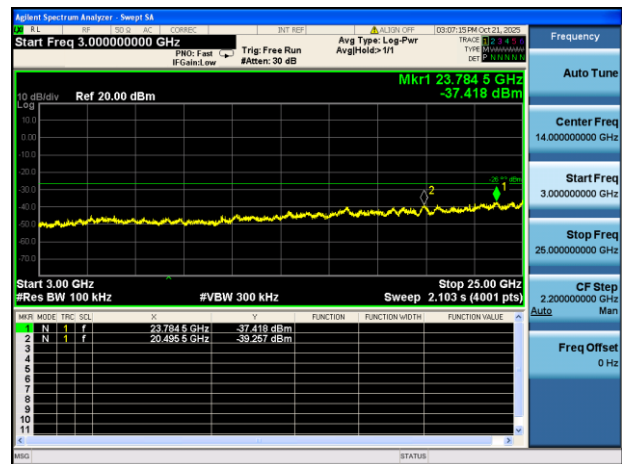


$\pi/4$ -DQPSK LOW CHANNEL, CARRIER LEVEL $\pi/4$ -DQPSK LOW CHANNEL, BAND EDGE $\pi/4$ -DQPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz $\pi/4$ -DQPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz $\pi/4$ -DQPSK MIDDLE CHANNEL, CARRIER LEVEL

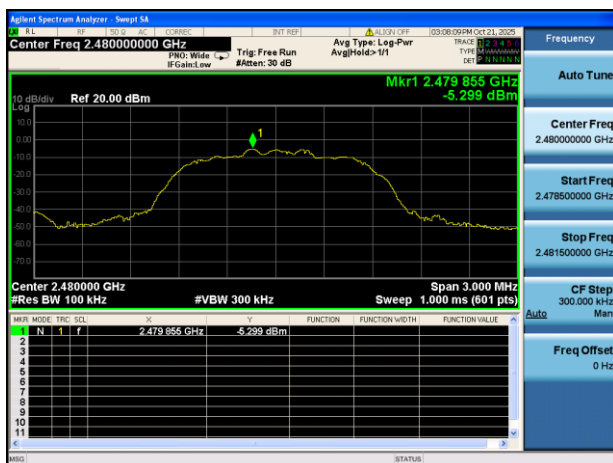
$\pi/4$ -DQPSK MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



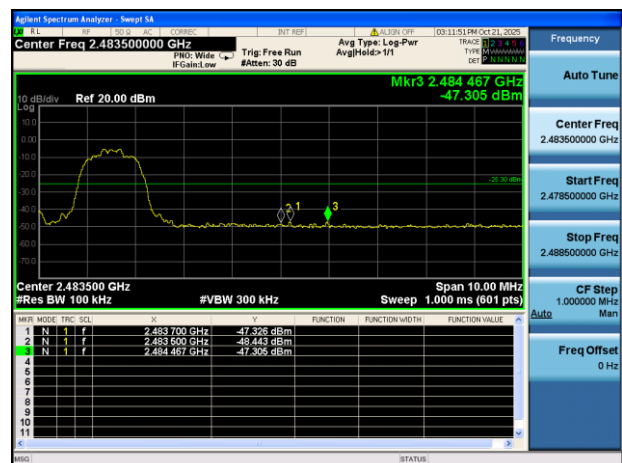
$\pi/4$ -DQPSK MIDDLE CHANNEL, SPURIOUS
3 GHz ~ 25 GHz



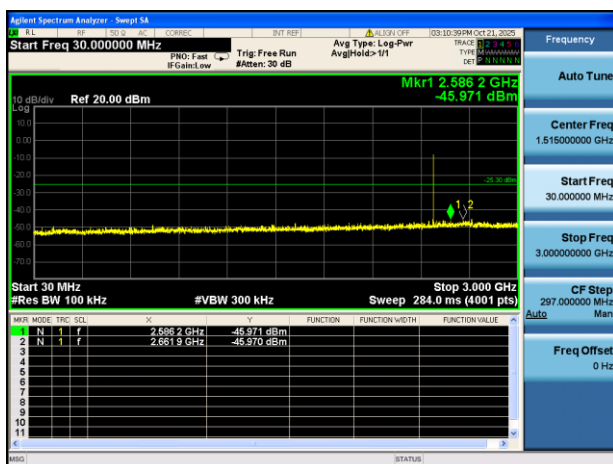
$\pi/4$ -DQPSK HIGH CHANNEL, CARRIER LEVEL



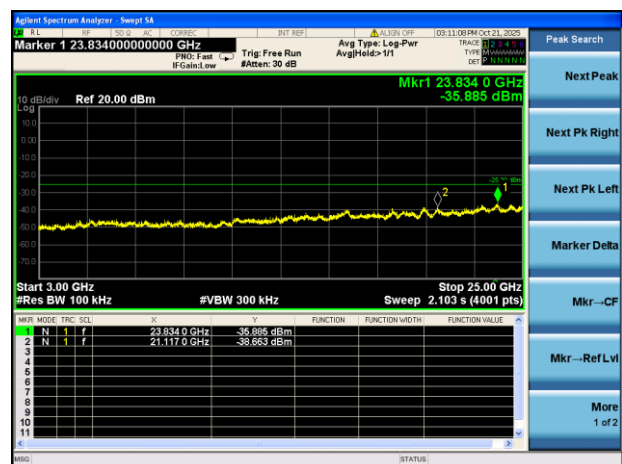
$\pi/4$ -DQPSK HIGH CHANNEL, BAND EDGE



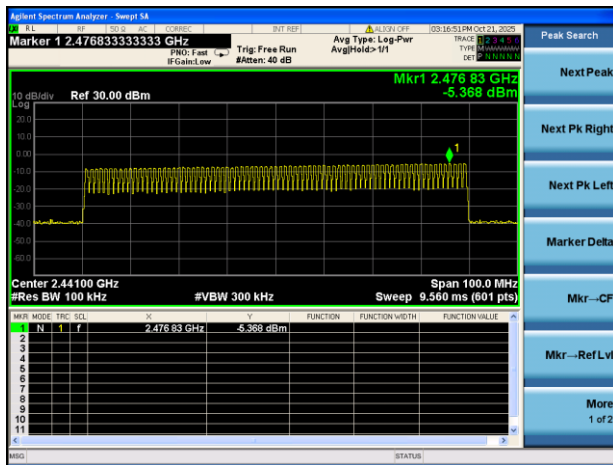
$\pi/4$ -DQPSK HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



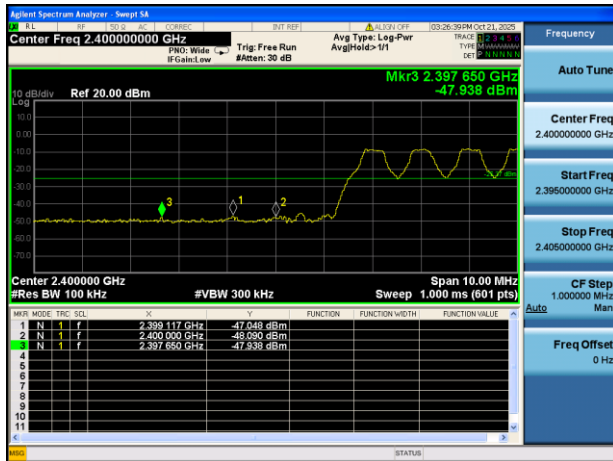
$\pi/4$ -DQPSK HIGH CHANNEL, SPURIOUS
3 GHz ~ 25 GHz



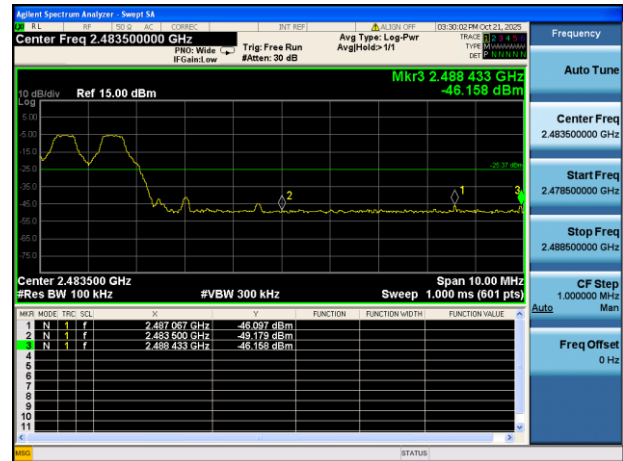
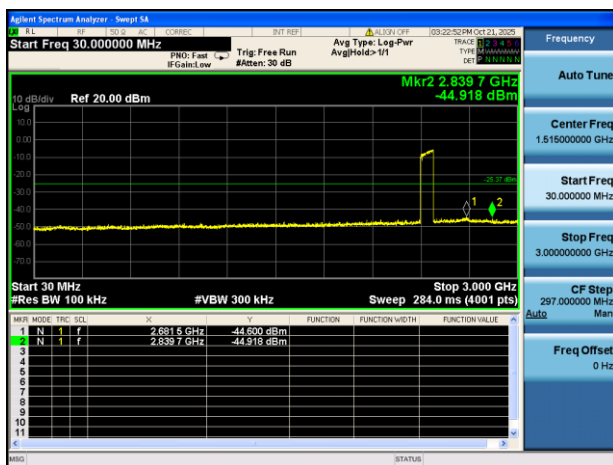
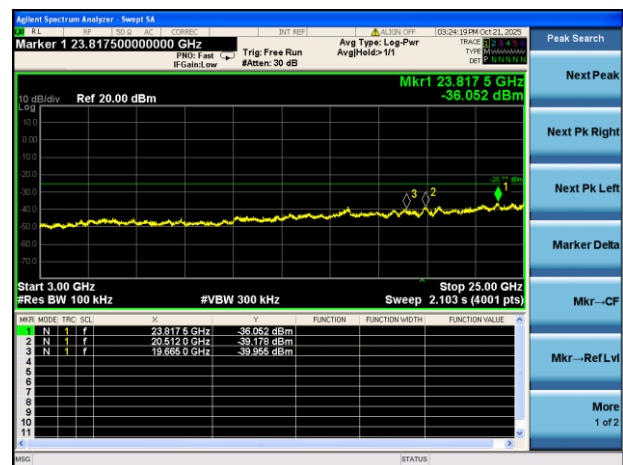
GFSK HOPPING, CARRIER LEVEL



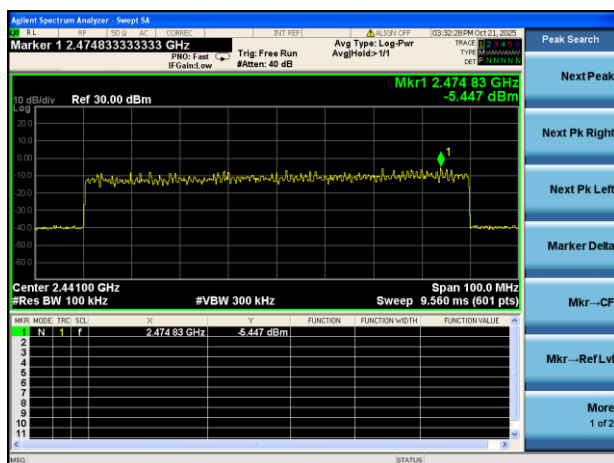
GFSK HOPPING BAND EDGE (LOW)



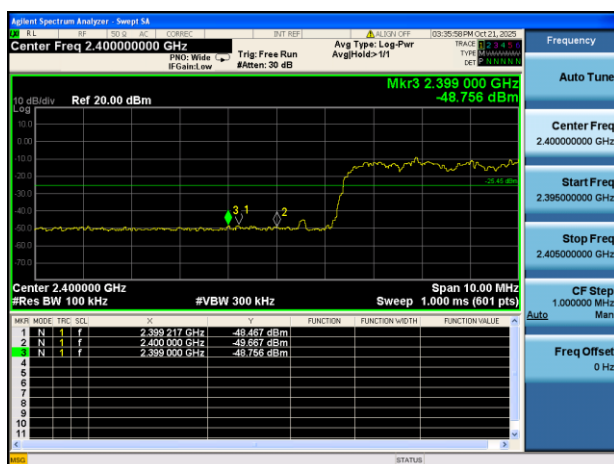
GFSK HOPPING BAND EDGE (HIGH)

GFSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHzGFSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

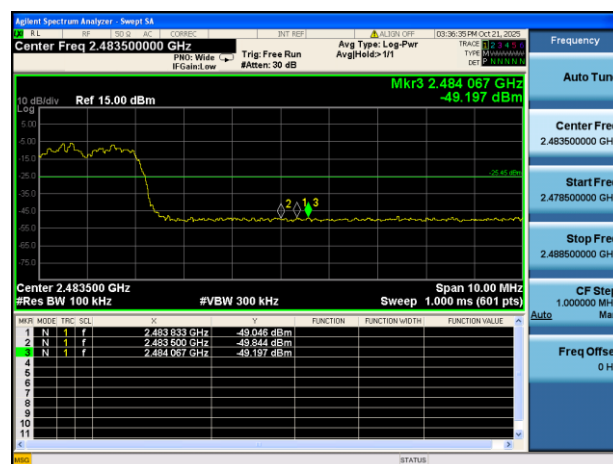
$\pi/4$ -DQPSK HOPPING, CARRIER LEVEL



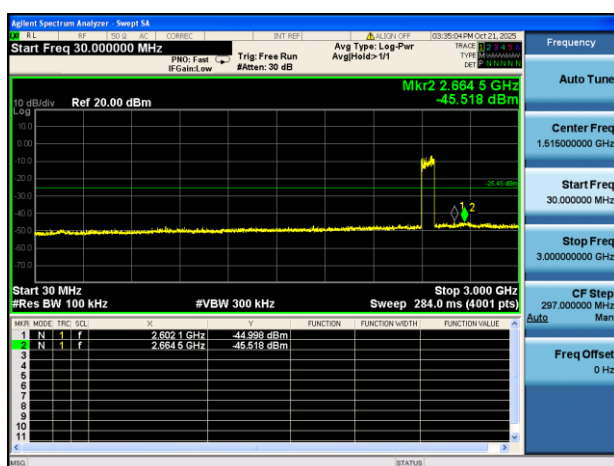
$\pi/4$ -DQPSK Hopping BAND EDGE (LOW)



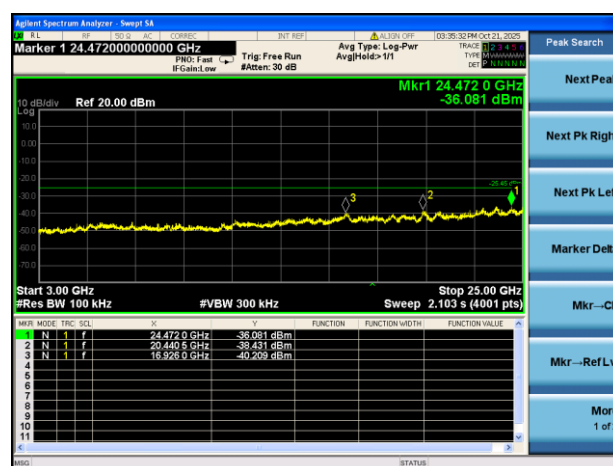
$\pi/4$ -DQPSK Hopping BAND EDGE (HIGH)



$\pi/4$ -DQPSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



$\pi/4$ -DQPSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz



A.7 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

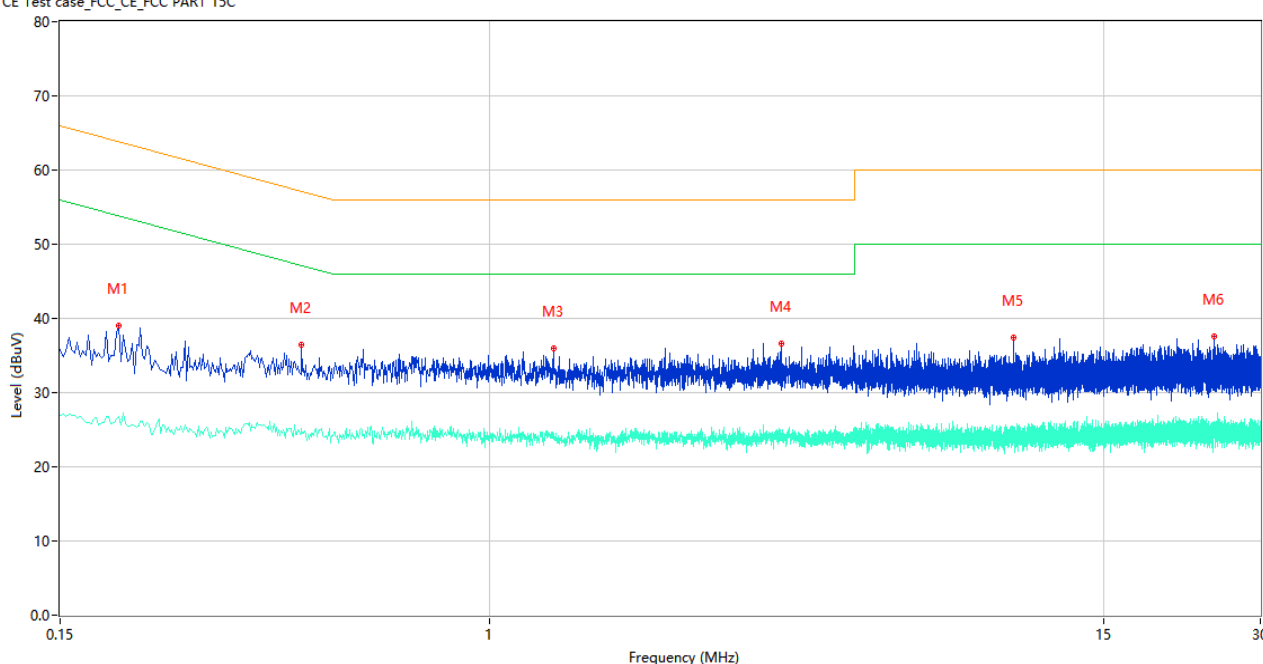
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

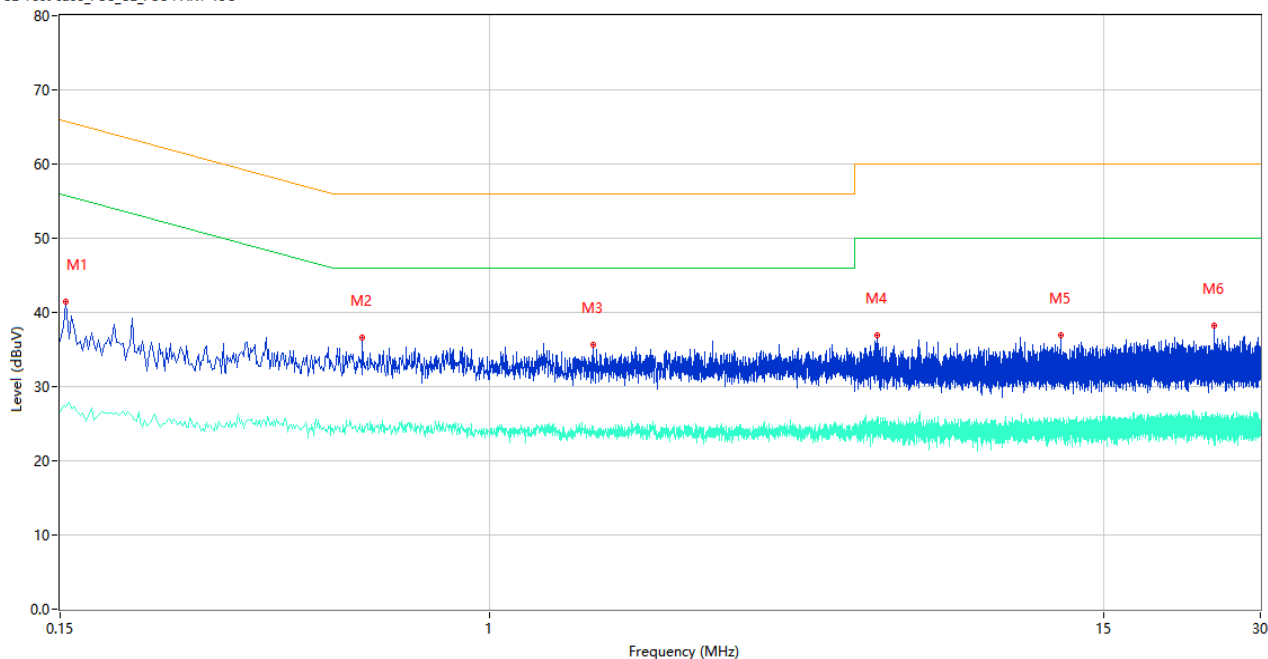
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.194	39.07	9.84	63.86	24.79	Peak	L	Pass
1**	0.194	26.79	9.84	53.86	27.07	AV	L	Pass
2	0.436	36.53	10.23	57.14	20.61	Peak	L	Pass
2**	0.436	25.13	10.23	47.14	22.01	AV	L	Pass
3	1.326	36.00	10.30	56.00	20.00	Peak	L	Pass
3**	1.326	24.49	10.30	46.00	21.51	AV	L	Pass
4	3.616	36.62	10.43	56.00	19.38	Peak	L	Pass
4**	3.616	23.99	10.43	46.00	22.01	AV	L	Pass
5	10.094	37.50	10.54	60.00	22.50	Peak	L	Pass
5**	10.094	24.70	10.54	50.00	25.30	AV	L	Pass
6	24.436	37.66	11.15	60.00	22.34	Peak	L	Pass
6**	24.436	24.70	11.15	50.00	25.30	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	41.41	9.86	65.78	24.37	Peak	N	Pass
1**	0.154	27.31	9.86	55.78	28.47	AV	N	Pass
2	0.570	36.56	10.14	56.00	19.44	Peak	N	Pass
2**	0.570	24.68	10.14	46.00	21.32	AV	N	Pass
3	1.576	35.68	10.05	56.00	20.32	Peak	N	Pass
3**	1.576	23.79	10.05	46.00	22.21	AV	N	Pass
4	5.522	36.90	10.50	60.00	23.10	Peak	N	Pass
4**	5.522	24.87	10.50	50.00	25.13	AV	N	Pass
5	12.450	36.91	10.58	60.00	23.09	Peak	N	Pass
5**	12.450	25.25	10.58	50.00	24.75	AV	N	Pass
6	24.432	38.24	11.16	60.00	21.76	Peak	N	Pass
6**	24.432	25.47	11.16	50.00	24.53	AV	N	Pass

A.8 Radiated Spurious Emission

Note¹: The symbol of “--” in the table which means not application.

Note²: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

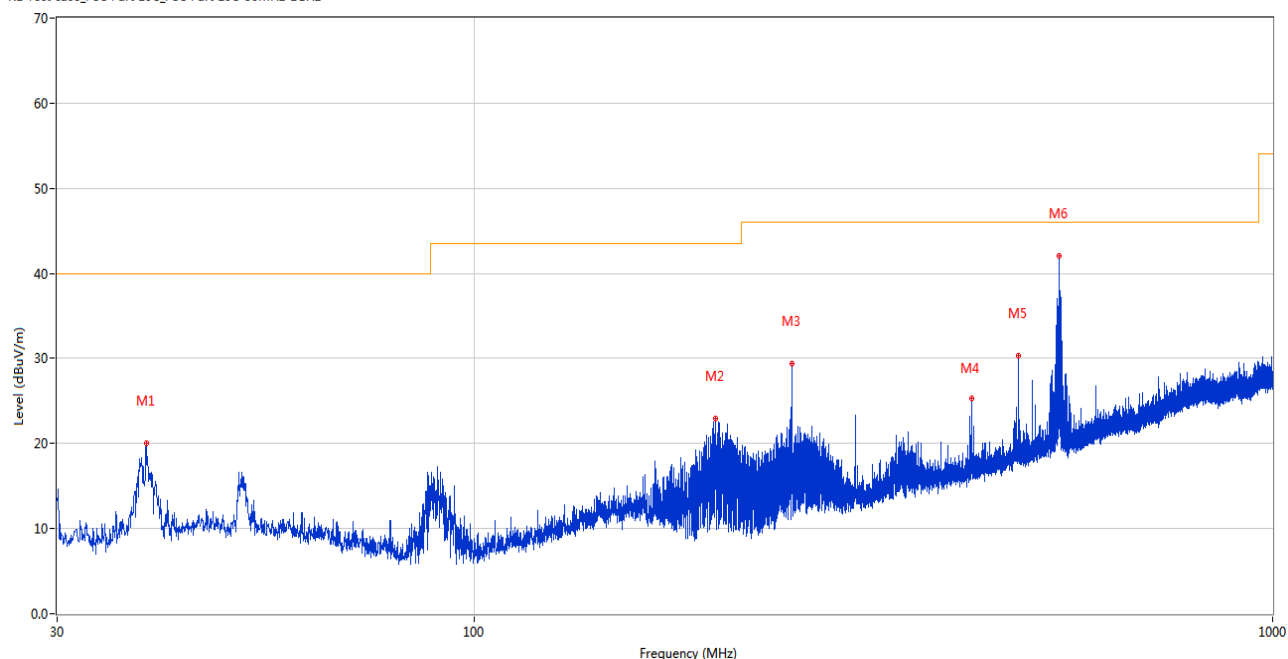
Note⁴: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Test Data and Plots

30 MHz to 1 GHz, ANT H

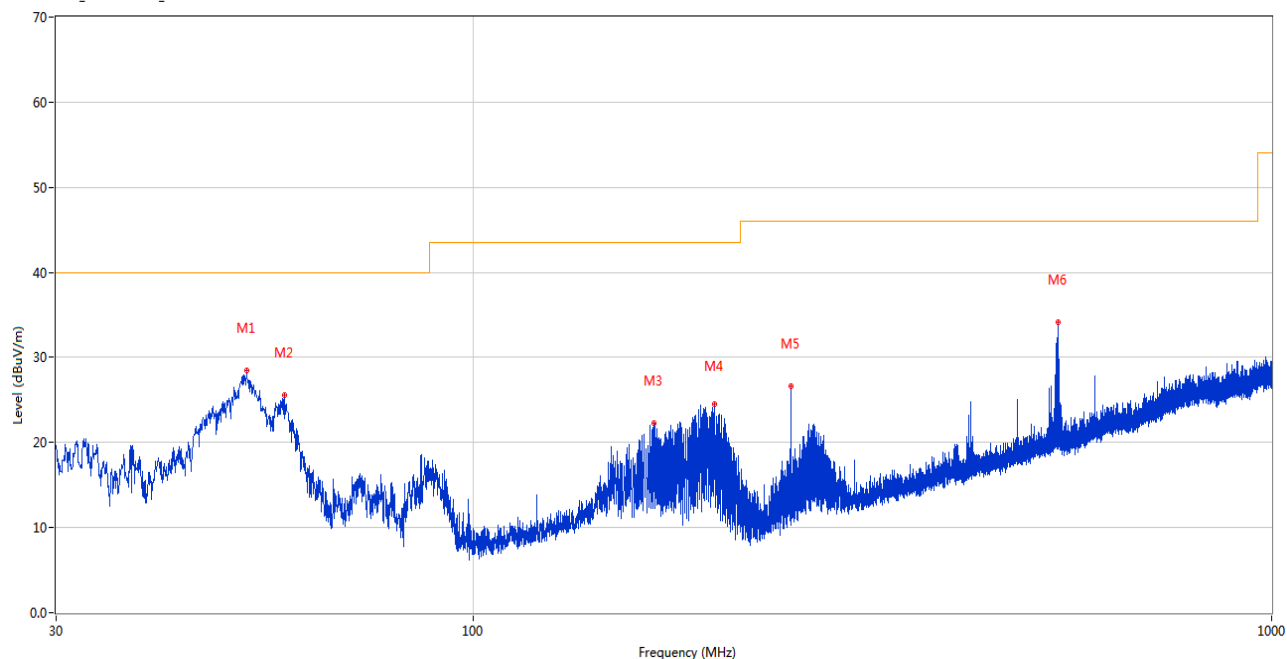
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.779	20.01	-26.37	40.0	19.99	Peak	248.00	100	Horizontal	Pass
2	200.526	22.88	-28.33	43.5	20.62	Peak	336.00	100	Horizontal	Pass
3	249.996	29.45	-25.64	46.0	16.55	Peak	292.00	100	Horizontal	Pass
4	420.037	25.31	-20.23	46.0	20.69	Peak	360.00	100	Horizontal	Pass
5	479.983	30.31	-18.56	46.0	15.69	Peak	360.00	200	Horizontal	Pass
6	539.977	42.10	-16.84	46.0	3.90	Peak	344.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



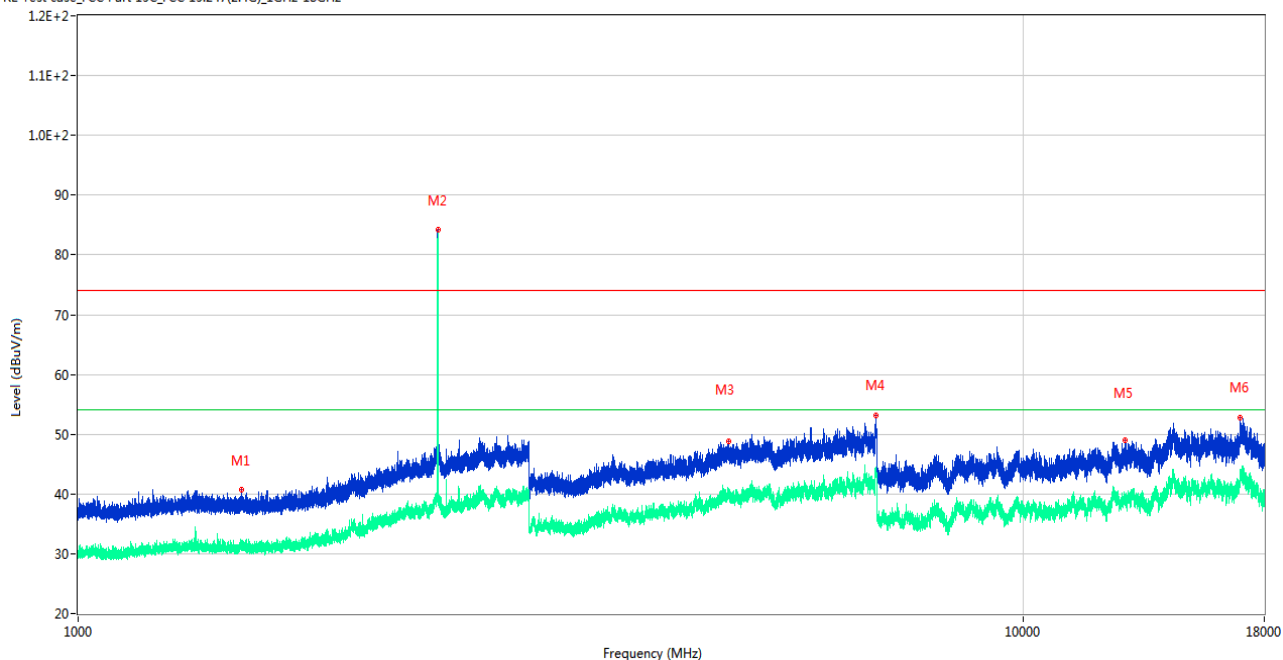
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.971	28.47	-25.68	40.0	11.53	Peak	360.00	100	Vertical	Pass
2	57.984	25.61	-26.27	40.0	14.39	Peak	0.00	100	Vertical	Pass
3	168.516	22.23	-25.13	43.5	21.27	Peak	194.00	100	Vertical	Pass
4	200.477	24.54	-28.33	43.5	18.96	Peak	360.00	100	Vertical	Pass
5	249.996	26.67	-25.64	46.0	19.33	Peak	235.00	200	Vertical	Pass
6	539.977	34.12	-16.84	46.0	11.88	Peak	110.00	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note²: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

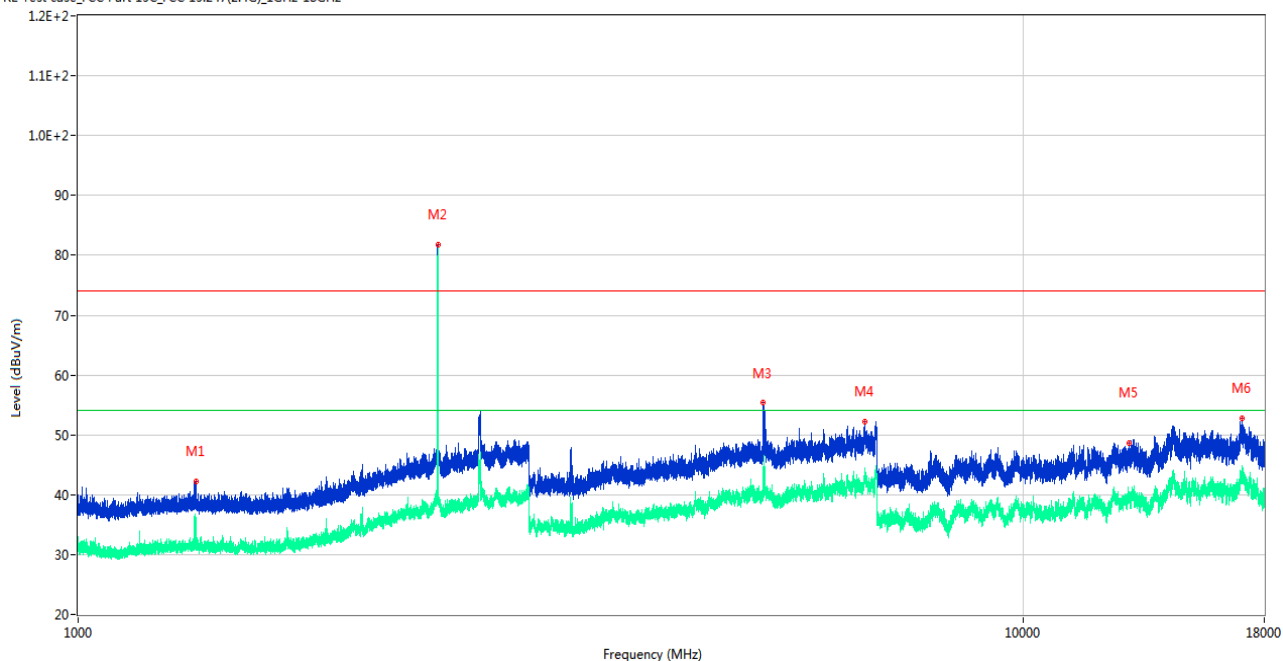
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.900	40.67	74.0	33.33	Peak	360.00	200	Horizontal	Pass
1**	1488.900	31.31	54.0	22.69	AV	360.00	200	Horizontal	Pass
2	2402.200	84.20	74.0	-10.20	Peak	223.00	200	Horizontal	N/A
2**	2402.200	83.82	54.0	-29.82	AV	223.00	200	Horizontal	N/A
3	4879.600	48.78	74.0	25.22	Peak	0.00	200	Horizontal	Pass
3**	4879.600	39.42	54.0	14.58	AV	0.00	200	Horizontal	Pass
4	6980.800	53.14	74.0	20.86	Peak	317.00	400	Horizontal	Pass
4**	6980.800	43.29	54.0	10.71	AV	317.00	400	Horizontal	Pass
5	12808.537	49.09	74.0	24.91	Peak	232.00	200	Horizontal	Pass
5**	12808.537	39.51	54.0	14.49	AV	232.00	200	Horizontal	Pass
6	16975.462	52.84	74.0	21.16	Peak	84.00	200	Horizontal	Pass
6**	16975.462	43.17	54.0	10.83	AV	84.00	200	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

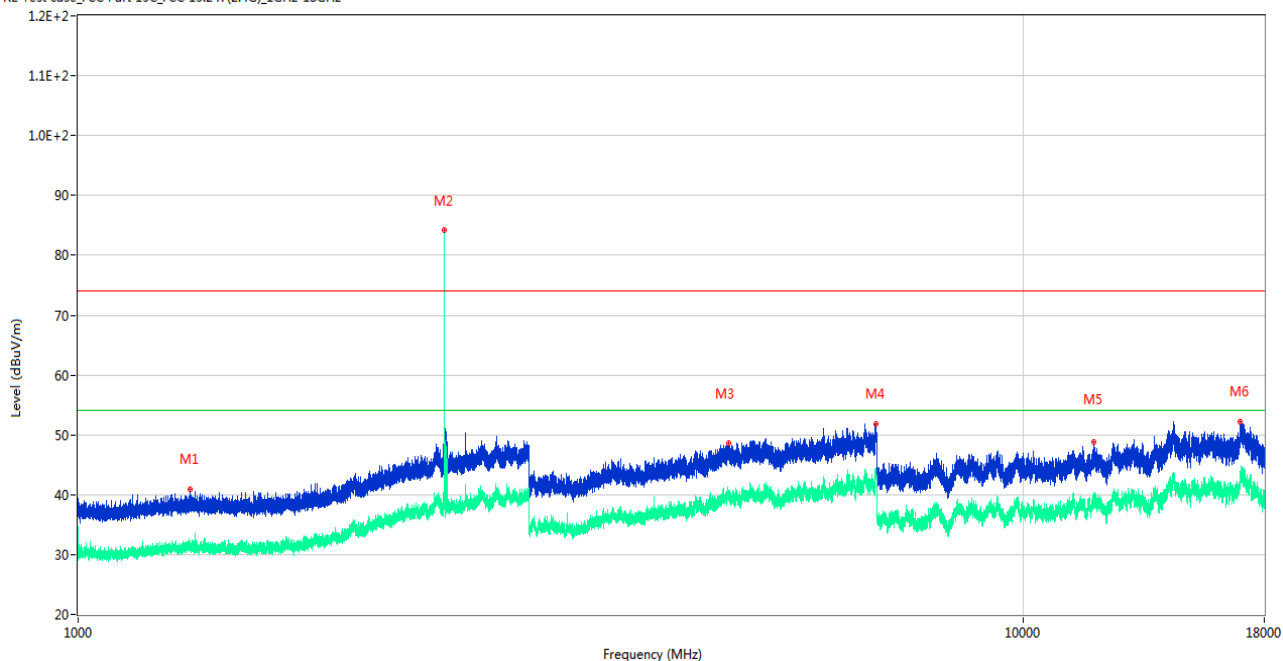
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.900	42.31	74.0	31.69	Peak	146.00	100	Vertical	Pass
1**	1332.900	35.51	54.0	18.49	AV	146.00	100	Vertical	Pass
2	2402.100	81.81	74.0	-7.81	Peak	216.00	150	Vertical	N/A
2**	2402.100	81.62	54.0	-27.62	AV	216.00	150	Vertical	N/A
3	5312.400	55.39	74.0	18.61	Peak	63.00	300	Vertical	Pass
3**	5312.400	40.19	54.0	13.81	AV	63.00	300	Vertical	Pass
4	6800.200	52.11	74.0	21.89	Peak	249.00	150	Vertical	Pass
4**	6800.200	42.71	54.0	11.29	AV	249.00	150	Vertical	Pass
5	12938.738	48.59	74.0	25.41	Peak	264.00	400	Vertical	Pass
5**	12938.738	39.70	54.0	14.30	AV	264.00	400	Vertical	Pass
6	17040.562	52.80	74.0	21.20	Peak	0.00	200	Vertical	Pass
6**	17040.562	43.59	54.0	10.41	AV	0.00	200	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

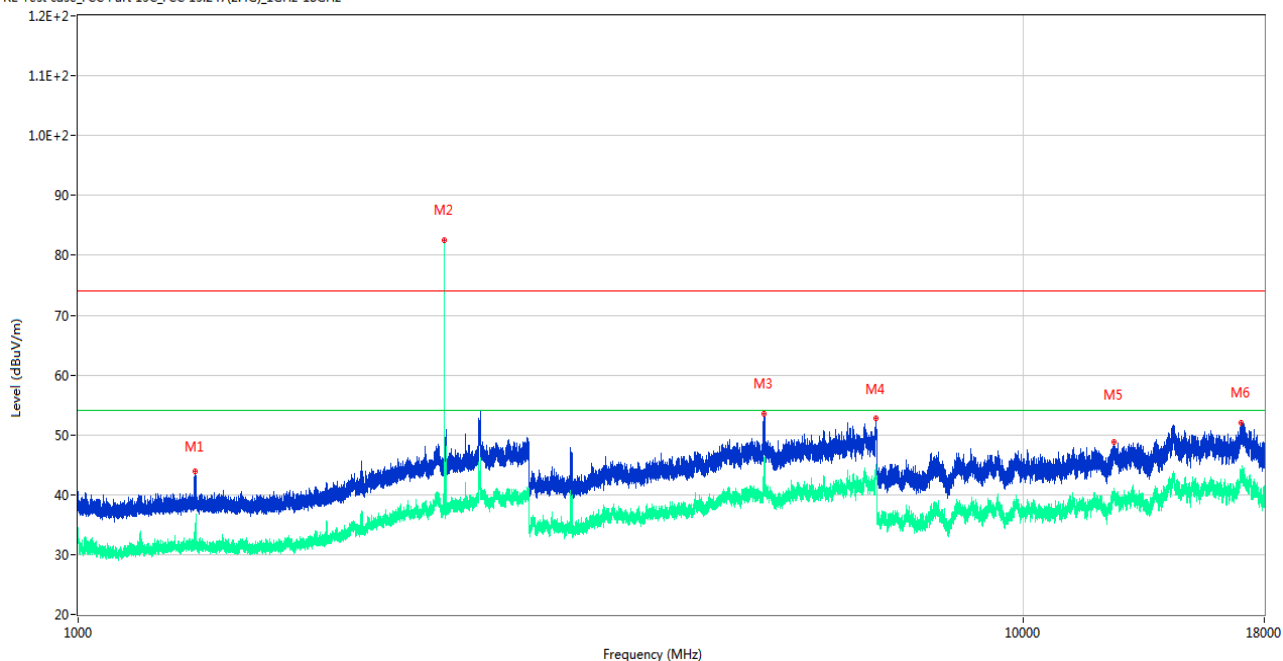
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1312.500	40.91	74.0	33.09	Peak	36.00	200	Horizontal	Pass
1**	1312.500	31.35	54.0	22.65	AV	36.00	200	Horizontal	Pass
2	2441.200	84.15	74.0	-10.15	Peak	214.00	150	Horizontal	N/A
2**	2441.200	83.83	54.0	-29.83	AV	214.00	150	Horizontal	N/A
3	4876.600	48.59	74.0	25.41	Peak	127.00	150	Horizontal	Pass
3**	4876.600	39.92	54.0	14.08	AV	127.00	150	Horizontal	Pass
4	6988.400	51.83	74.0	22.17	Peak	66.00	200	Horizontal	Pass
4**	6988.400	43.47	54.0	10.53	AV	66.00	200	Horizontal	Pass
5	11884.625	48.76	74.0	25.24	Peak	184.00	200	Horizontal	Pass
5**	11884.625	40.14	54.0	13.86	AV	184.00	200	Horizontal	Pass
6	16974.676	52.22	74.0	21.78	Peak	360.00	100	Horizontal	Pass
6**	16974.676	43.02	54.0	10.98	AV	360.00	100	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

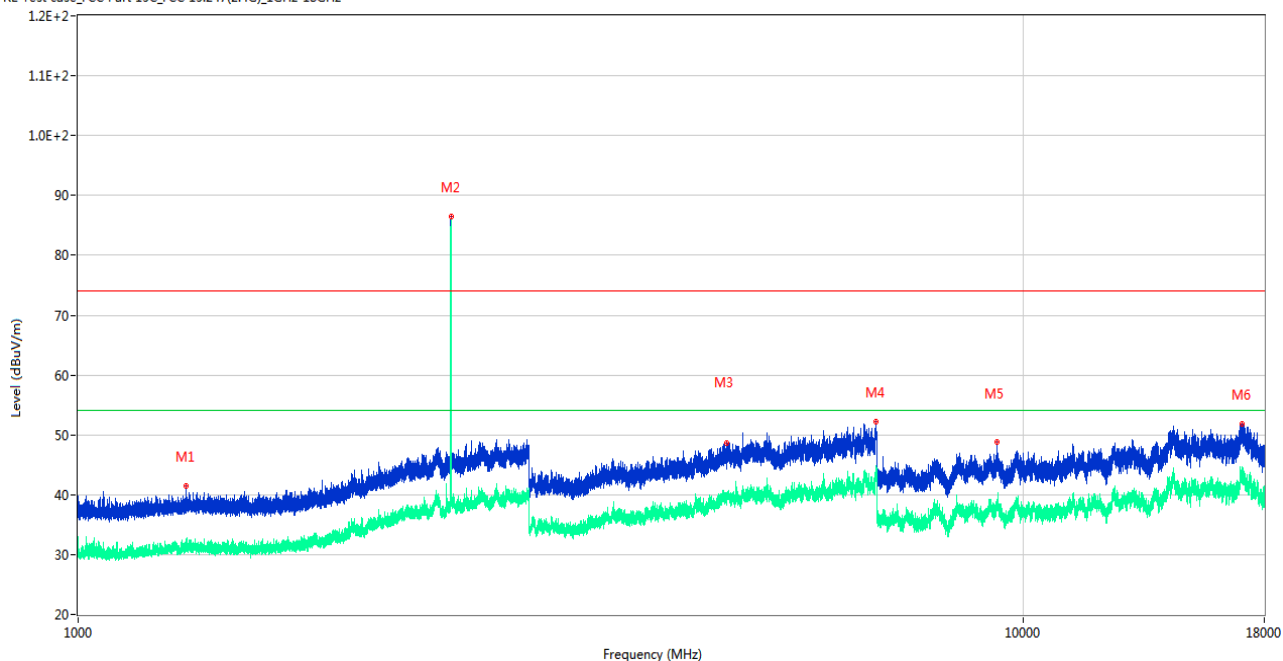
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	43.89	74.0	30.11	Peak	114.00	300	Vertical	Pass
1**	1331.000	33.79	54.0	20.21	AV	114.00	300	Vertical	Pass
2	2440.900	82.61	74.0	-8.61	Peak	206.00	100	Vertical	N/A
2**	2440.900	81.71	54.0	-27.71	AV	206.00	100	Vertical	N/A
3	5323.400	53.57	74.0	20.43	Peak	60.00	400	Vertical	Pass
3**	5323.400	41.02	54.0	12.98	AV	60.00	400	Vertical	Pass
4	6987.200	52.84	74.0	21.16	Peak	228.00	150	Vertical	Pass
4**	6987.200	43.66	54.0	10.34	AV	228.00	150	Vertical	Pass
5	12467.963	48.72	74.0	25.28	Peak	329.00	400	Vertical	Pass
5**	12467.963	39.54	54.0	14.46	AV	329.00	400	Vertical	Pass
6	17013.526	52.06	74.0	21.94	Peak	360.00	300	Vertical	Pass
6**	17013.526	42.97	54.0	11.03	AV	360.00	300	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

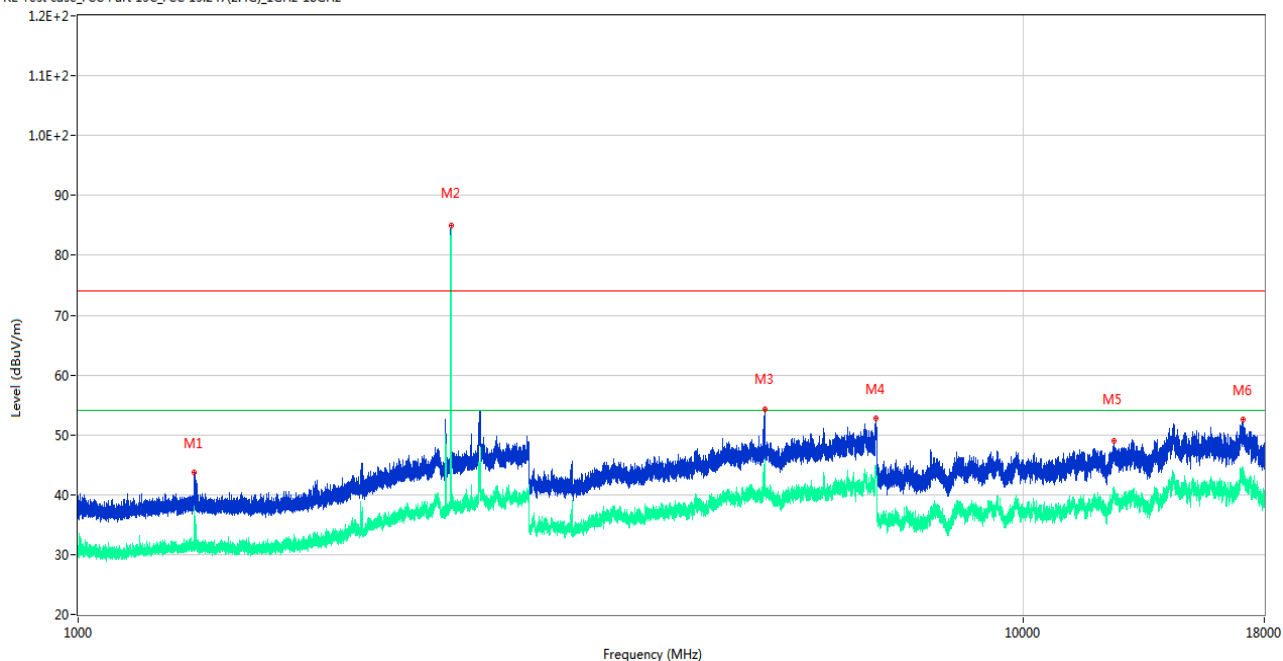
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1299.500	41.41	74.0	32.59	Peak	116.00	200	Horizontal	Pass
1**	1299.500	31.49	54.0	22.51	AV	116.00	200	Horizontal	Pass
2	2480.200	86.42	74.0	-12.42	Peak	287.00	150	Horizontal	N/A
2**	2480.200	86.12	54.0	-32.12	AV	287.00	150	Horizontal	N/A
3	4858.200	48.70	74.0	25.30	Peak	21.00	100	Horizontal	Pass
3**	4858.200	39.35	54.0	14.65	AV	21.00	100	Horizontal	Pass
4	6989.200	52.18	74.0	21.82	Peak	343.00	200	Horizontal	Pass
4**	6989.200	43.67	54.0	10.33	AV	343.00	200	Horizontal	Pass
5	9391.138	48.79	74.0	25.21	Peak	209.00	300	Horizontal	Pass
5**	9391.138	38.71	54.0	15.29	AV	209.00	300	Horizontal	Pass
6	17068.386	51.80	74.0	22.20	Peak	111.00	200	Horizontal	Pass
6**	17068.386	42.86	54.0	11.14	AV	111.00	200	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

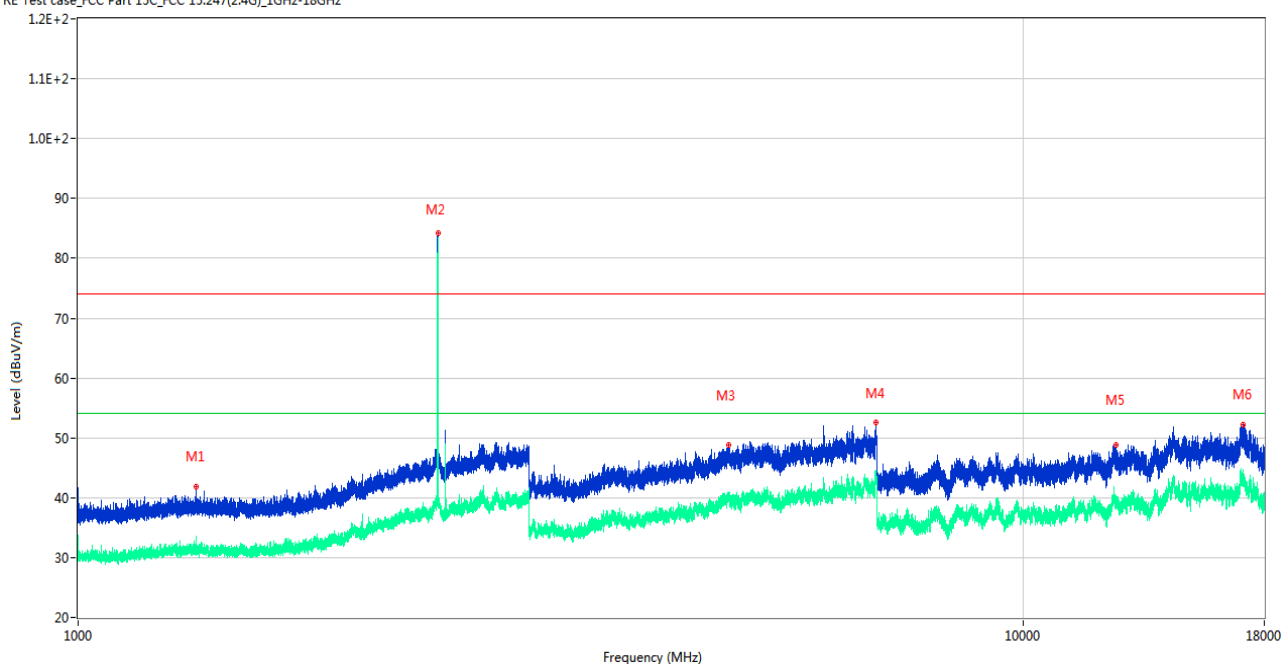
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.900	43.69	74.0	30.31	Peak	104.00	300	Vertical	Pass
1**	1327.900	31.00	54.0	23.00	AV	104.00	300	Vertical	Pass
2	2480.200	84.90	74.0	-10.90	Peak	204.00	200	Vertical	N/A
2**	2480.200	84.69	54.0	-30.69	AV	204.00	200	Vertical	N/A
3	5328.600	54.36	74.0	19.64	Peak	67.00	400	Vertical	Pass
3**	5328.600	43.03	54.0	10.97	AV	67.00	400	Vertical	Pass
4	6995.600	52.81	74.0	21.19	Peak	310.00	150	Vertical	Pass
4**	6995.600	43.31	54.0	10.69	AV	310.00	150	Vertical	Pass
5	12489.238	48.96	74.0	25.04	Peak	284.00	100	Vertical	Pass
5**	12489.238	40.56	54.0	13.44	AV	284.00	100	Vertical	Pass
6	17103.563	52.54	74.0	21.46	Peak	360.00	100	Vertical	Pass
6**	17103.563	43.55	54.0	10.45	AV	360.00	100	Vertical	Pass

$\pi/4$ -DQPSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

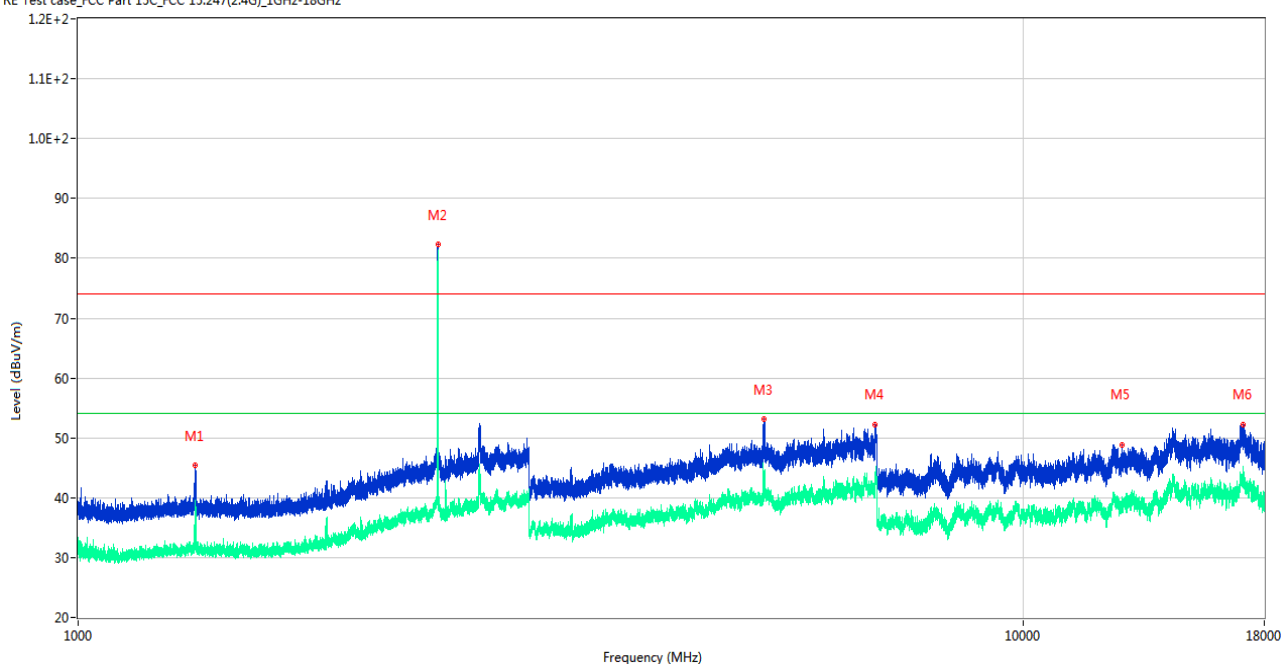
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.500	41.85	74.0	32.15	Peak	140.00	100	Horizontal	Pass
1**	1333.500	31.88	54.0	22.12	AV	140.00	100	Horizontal	Pass
2	2402.200	84.18	74.0	-10.18	Peak	212.00	150	Horizontal	N/A
2**	2402.200	83.39	54.0	-29.39	AV	212.00	150	Horizontal	N/A
3	4875.600	48.76	74.0	25.24	Peak	100.00	150	Horizontal	Pass
3**	4875.600	39.86	54.0	14.14	AV	100.00	150	Horizontal	Pass
4	6979.400	52.49	74.0	21.51	Peak	38.00	200	Horizontal	Pass
4**	6979.400	43.40	54.0	10.60	AV	38.00	200	Horizontal	Pass
5	12556.800	48.87	74.0	25.13	Peak	0.00	400	Horizontal	Pass
5**	12556.800	39.64	54.0	14.36	AV	0.00	400	Horizontal	Pass
6	17097.262	52.23	74.0	21.77	Peak	247.00	100	Horizontal	Pass
6**	17097.262	43.47	54.0	10.53	AV	247.00	100	Horizontal	Pass

$\pi/4$ -DQPSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

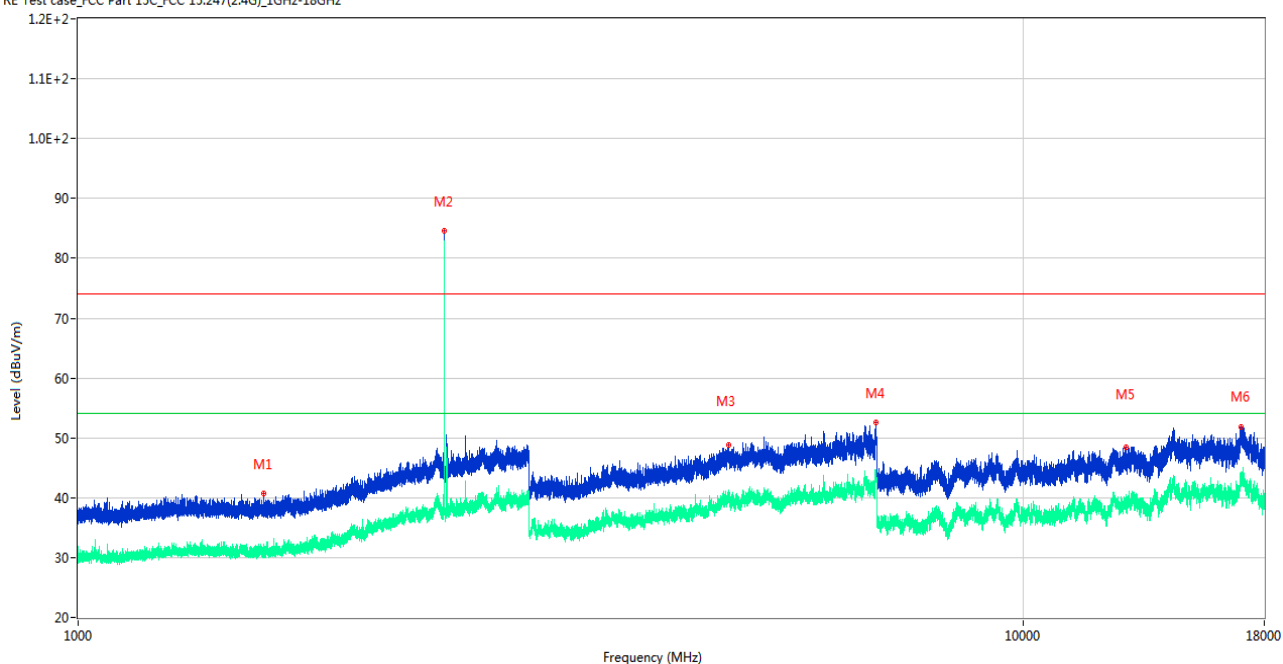
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	45.36	74.0	28.64	Peak	110.00	300	Vertical	Pass
1**	1331.000	31.73	54.0	22.27	AV	110.00	300	Vertical	Pass
2	2401.900	82.31	74.0	-8.31	Peak	211.00	200	Vertical	N/A
2**	2401.900	81.45	54.0	-27.45	AV	211.00	200	Vertical	N/A
3	5322.800	53.13	74.0	20.87	Peak	174.00	400	Vertical	Pass
3**	5322.800	41.94	54.0	12.06	AV	174.00	400	Vertical	Pass
4	6977.800	52.18	74.0	21.82	Peak	281.00	150	Vertical	Pass
4**	6977.800	43.46	54.0	10.54	AV	281.00	150	Vertical	Pass
5	12721.537	48.89	74.0	25.11	Peak	235.00	300	Vertical	Pass
5**	12721.537	39.04	54.0	14.96	AV	235.00	300	Vertical	Pass
6	17106.187	52.23	74.0	21.77	Peak	32.00	300	Vertical	Pass
6**	17106.187	43.48	54.0	10.52	AV	32.00	300	Vertical	Pass

$\pi/4$ -DQPSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

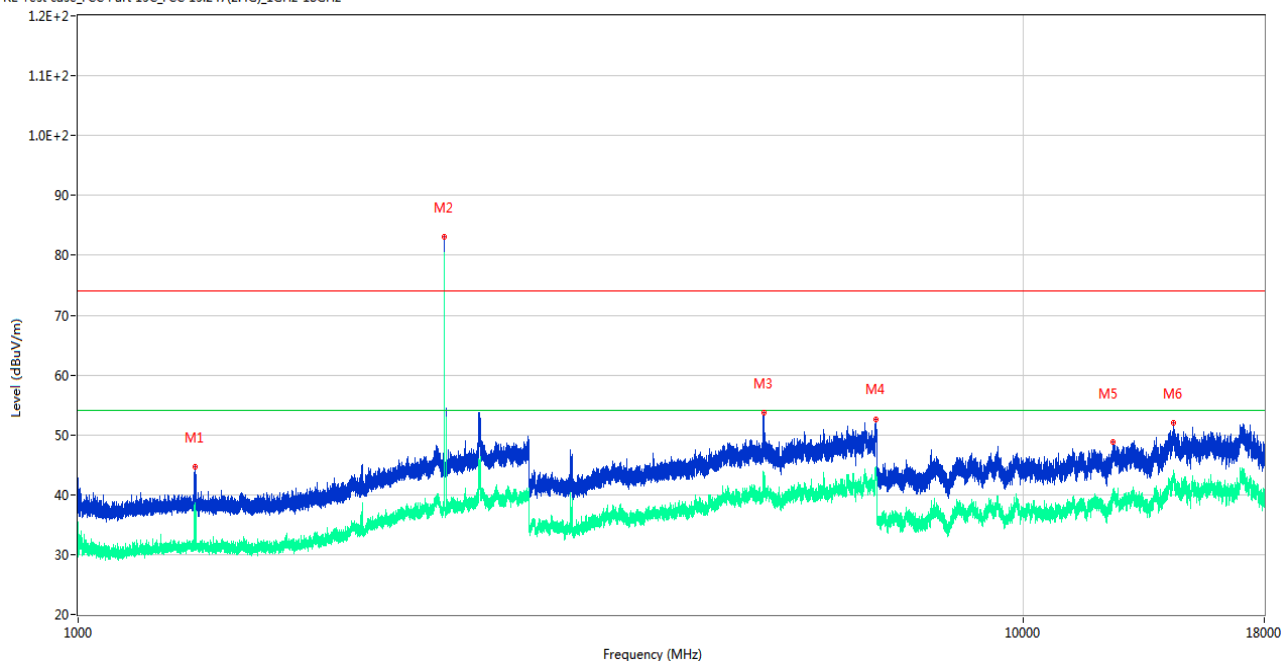
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.900	40.64	74.0	33.36	Peak	340.00	400	Horizontal	Pass
1**	1571.900	31.54	54.0	22.46	AV	340.00	400	Horizontal	Pass
2	2440.900	84.57	74.0	-10.57	Peak	286.00	100	Horizontal	N/A
2**	2440.900	82.88	54.0	-28.88	AV	286.00	100	Horizontal	N/A
3	4879.200	48.77	74.0	25.23	Peak	238.00	200	Horizontal	Pass
3**	4879.200	40.34	54.0	13.66	AV	238.00	200	Horizontal	Pass
4	6989.400	52.52	74.0	21.48	Peak	146.00	100	Horizontal	Pass
4**	6989.400	43.63	54.0	10.37	AV	146.00	100	Horizontal	Pass
5	12841.349	48.38	74.0	25.62	Peak	221.00	400	Horizontal	Pass
5**	12841.349	38.59	54.0	15.41	AV	221.00	400	Horizontal	Pass
6	16991.213	51.90	74.0	22.10	Peak	0.00	200	Horizontal	Pass
6**	16991.213	42.64	54.0	11.36	AV	0.00	200	Horizontal	Pass

$\pi/4$ -DQPSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

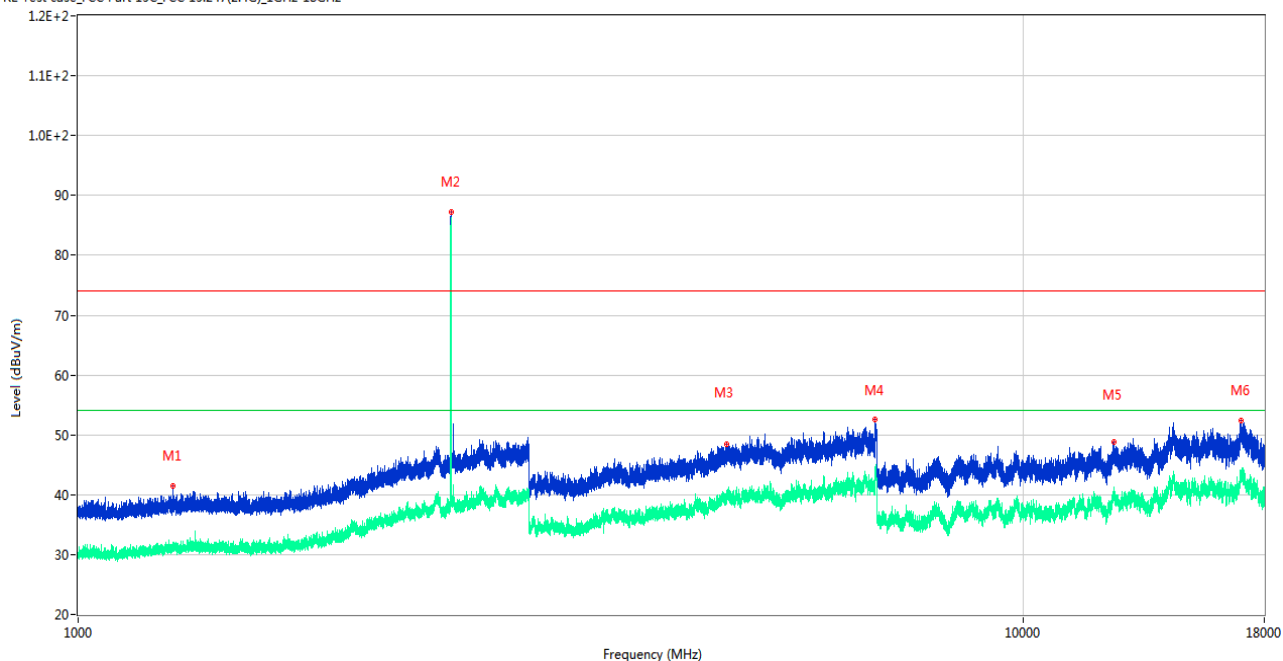
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.300	44.58	74.0	29.42	Peak	96.00	400	Vertical	Pass
1**	1328.300	33.19	54.0	20.81	AV	96.00	400	Vertical	Pass
2	2440.900	83.06	74.0	-9.06	Peak	213.00	100	Vertical	N/A
2**	2440.900	79.48	54.0	-25.48	AV	213.00	100	Vertical	N/A
3	5313.200	53.66	74.0	20.34	Peak	85.00	400	Vertical	Pass
3**	5313.200	41.19	54.0	12.81	AV	85.00	400	Vertical	Pass
4	6983.600	52.51	74.0	21.49	Peak	70.00	150	Vertical	Pass
4**	6983.600	43.58	54.0	10.42	AV	70.00	150	Vertical	Pass
5	12461.062	48.73	74.0	25.27	Peak	162.00	400	Vertical	Pass
5**	12461.062	39.48	54.0	14.52	AV	162.00	400	Vertical	Pass
6	14437.613	51.92	74.0	22.08	Peak	110.00	100	Vertical	Pass
6**	14437.613	43.16	54.0	10.84	AV	110.00	100	Vertical	Pass

$\pi/4$ -DQPSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

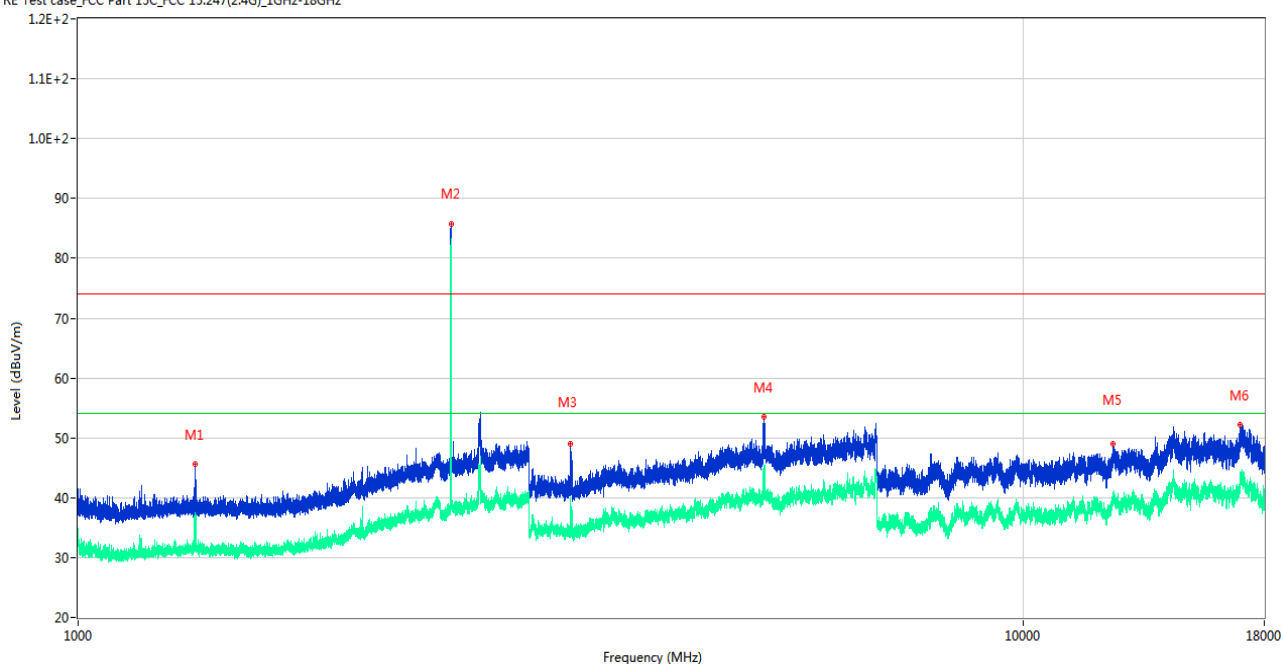
RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1261.400	41.46	74.0	32.54	Peak	89.00	200	Horizontal	Pass
1**	1261.400	30.87	54.0	23.13	AV	89.00	200	Horizontal	Pass
2	2480.100	87.27	74.0	-13.27	Peak	290.00	100	Horizontal	N/A
2**	2480.100	86.03	54.0	-32.03	AV	290.00	100	Horizontal	N/A
3	4862.600	48.53	74.0	25.47	Peak	54.00	100	Horizontal	Pass
3**	4862.600	39.16	54.0	14.84	AV	54.00	100	Horizontal	Pass
4	6978.600	52.54	74.0	21.46	Peak	69.00	200	Horizontal	Pass
4**	6978.600	44.76	54.0	9.24	AV	69.00	200	Horizontal	Pass
5	12487.513	48.84	74.0	25.16	Peak	360.00	300	Horizontal	Pass
5**	12487.513	39.79	54.0	14.21	AV	360.00	300	Horizontal	Pass
6	17025.074	52.39	74.0	21.61	Peak	250.00	200	Horizontal	Pass
6**	17025.074	42.92	54.0	11.08	AV	250.00	200	Horizontal	Pass

$\pi/4$ -DQPSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	45.59	74.0	28.41	Peak	119.00	300	Vertical	Pass
1**	1331.000	32.26	54.0	21.74	AV	119.00	300	Vertical	Pass
2	2480.000	85.72	74.0	-11.72	Peak	205.00	200	Vertical	N/A
2**	2480.000	83.31	54.0	-29.31	AV	205.00	200	Vertical	N/A
3	3321.200	49.07	74.0	24.93	Peak	178.00	150	Vertical	Pass
3**	3321.200	36.87	54.0	17.13	AV	178.00	150	Vertical	Pass
4	5317.800	53.45	74.0	20.55	Peak	83.00	100	Vertical	Pass
4**	5317.800	41.74	54.0	12.26	AV	83.00	100	Vertical	Pass
5	12455.599	48.96	74.0	25.04	Peak	16.00	400	Vertical	Pass
5**	12455.599	39.36	54.0	14.64	AV	16.00	400	Vertical	Pass
6	16979.926	52.17	74.0	21.83	Peak	223.00	300	Vertical	Pass
6**	16979.926	43.19	54.0	10.81	AV	223.00	300	Vertical	Pass

A.9 Band Edge (Restricted-band band-edge)

Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

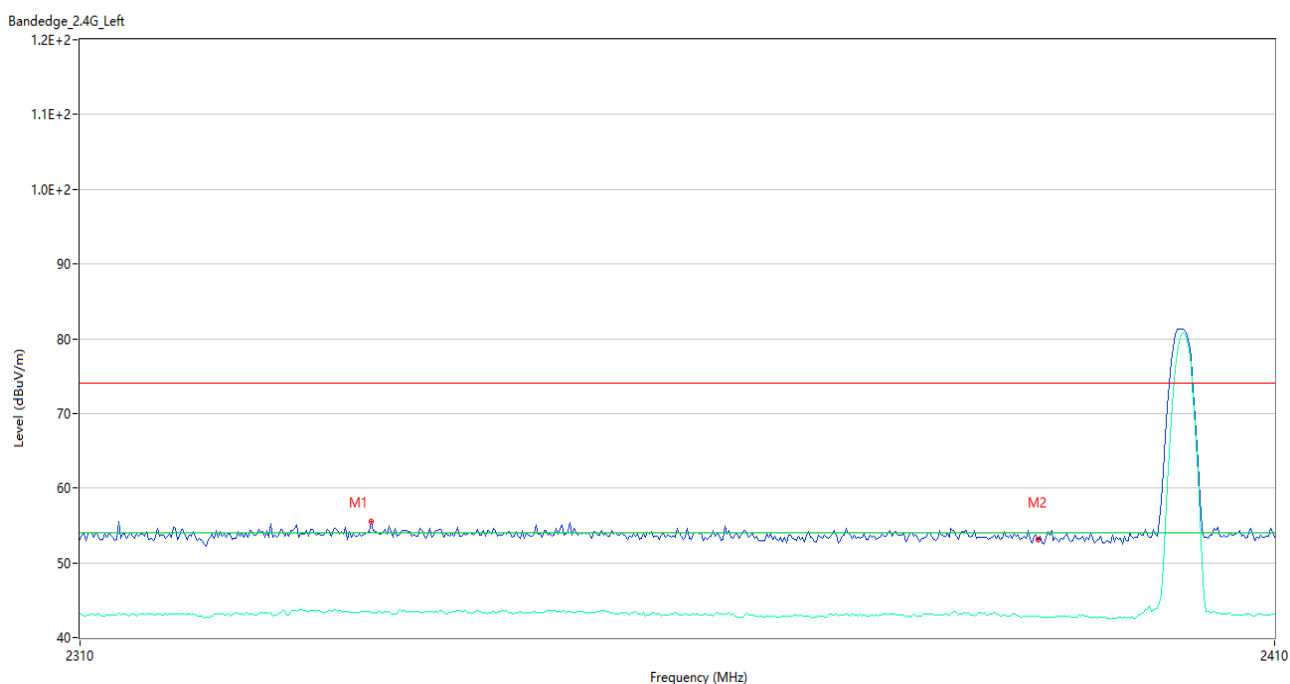
Note³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note⁴: The Level (dBuV/m) has been corrected by factor.

Note⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

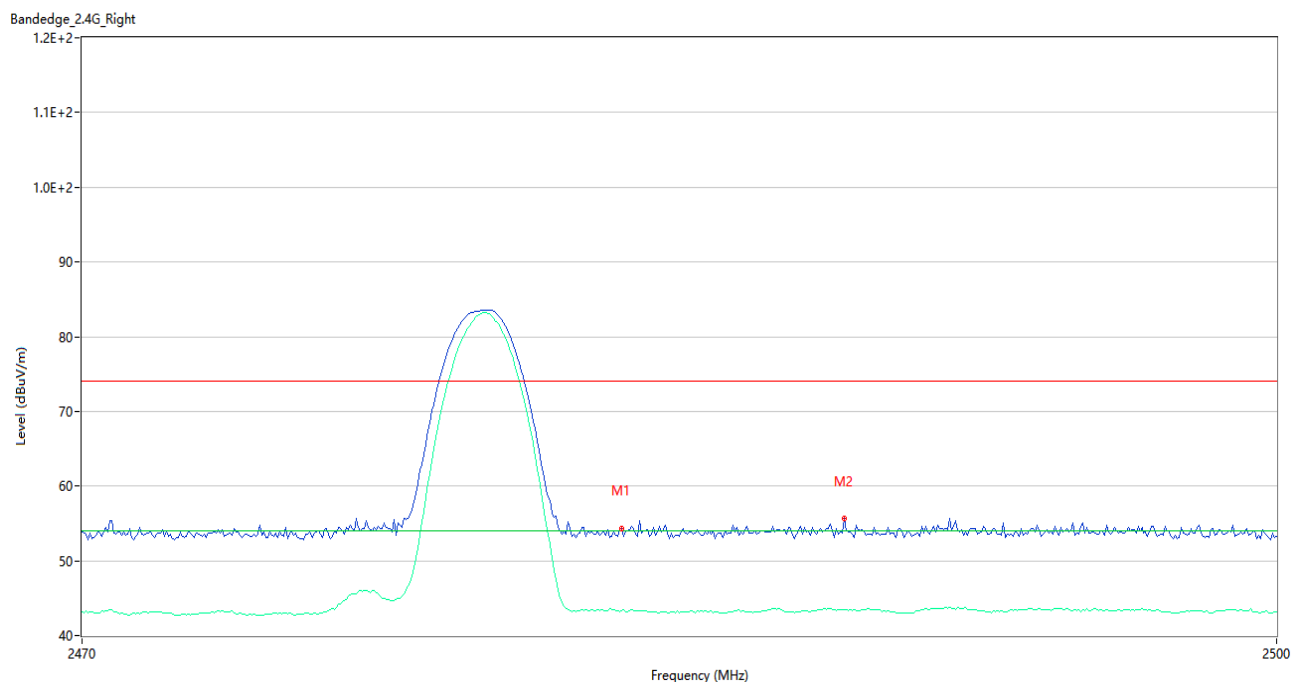
Test Data

GFSK LOW CHANNEL



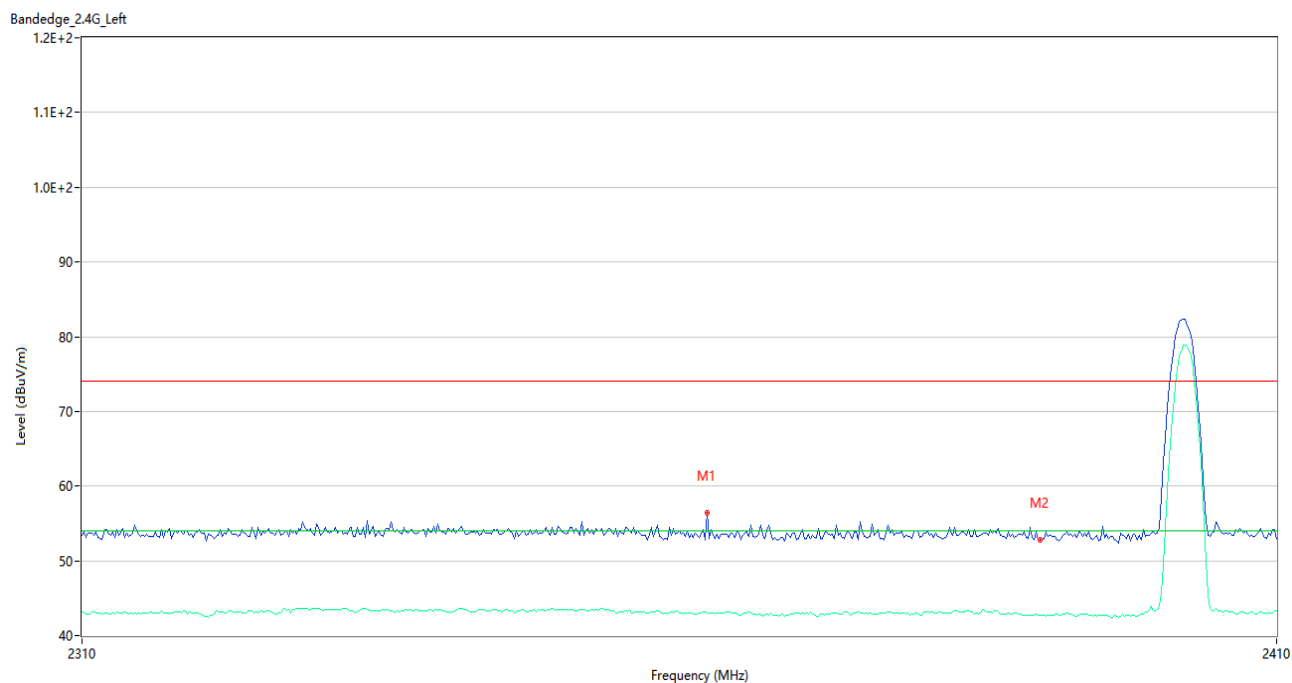
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2334.000	55.55	74.0	18.45	Peak	104.00	100	Horizontal	Pass
1**	2334.000	43.37	54.0	10.63	AV	104.00	100	Horizontal	Pass
2	2389.833	53.14	74.0	20.86	Peak	351.00	200	Horizontal	Pass
2**	2389.833	42.88	54.0	11.12	AV	351.00	200	Horizontal	Pass

GFSK HIGH CHANNEL



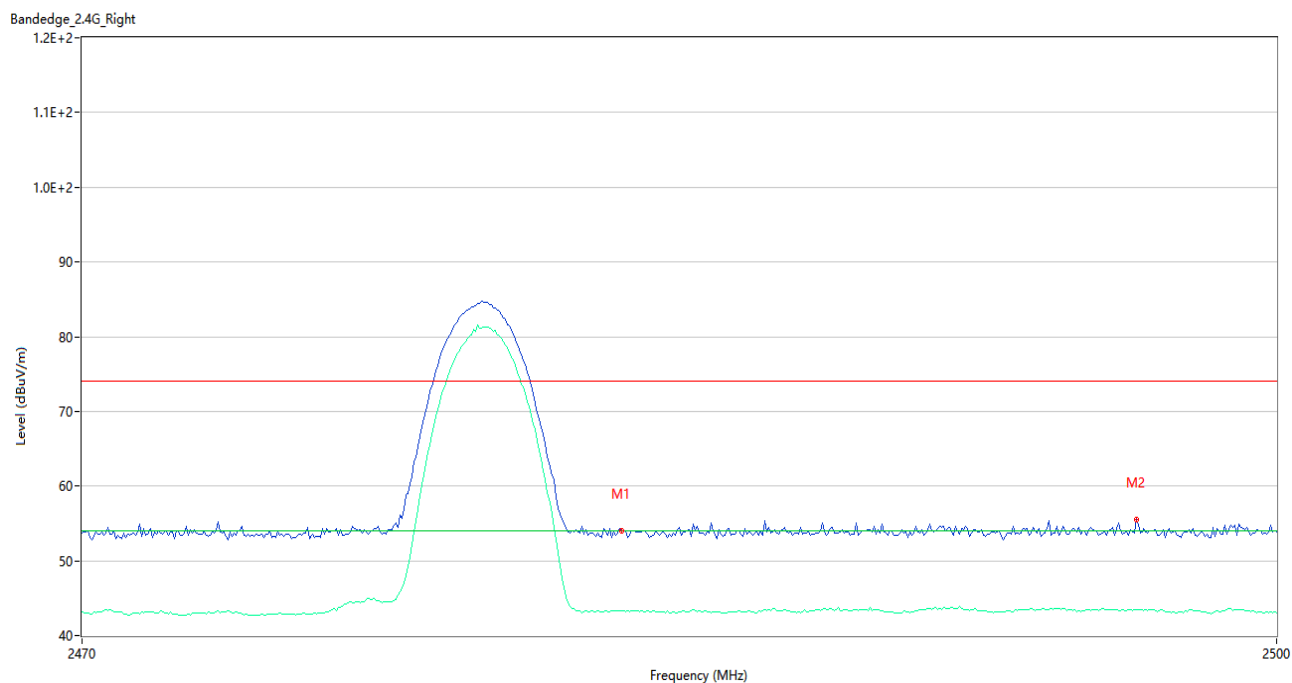
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.37	74.0	19.63	Peak	222.00	200	Horizontal	Pass
1**	2483.500	43.28	54.0	10.72	AV	222.00	200	Horizontal	Pass
2	2489.100	55.69	74.0	18.31	Peak	110.00	200	Horizontal	Pass
2**	2489.100	43.42	54.0	10.58	AV	110.00	200	Horizontal	Pass

π/4-DQPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2361.833	56.43	74.0	17.57	Peak	54.00	200	Horizontal	Pass
1**	2361.833	42.97	54.0	11.03	AV	54.00	200	Horizontal	Pass
2	2389.833	52.79	74.0	21.21	Peak	74.00	200	Horizontal	Pass
2**	2389.833	42.67	54.0	11.33	AV	74.00	200	Horizontal	Pass

$\pi/4$ -DQPSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.99	74.0	20.01	Peak	360.00	100	Horizontal	Pass
1**	2483.500	43.27	54.0	10.73	AV	360.00	100	Horizontal	Pass
2	2496.450	55.47	74.0	18.53	Peak	4.00	150	Horizontal	Pass
2**	2496.450	43.42	54.0	10.58	AV	4.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2590226-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2590226-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2590226-AI.PDF”.

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--END OF REPORT--