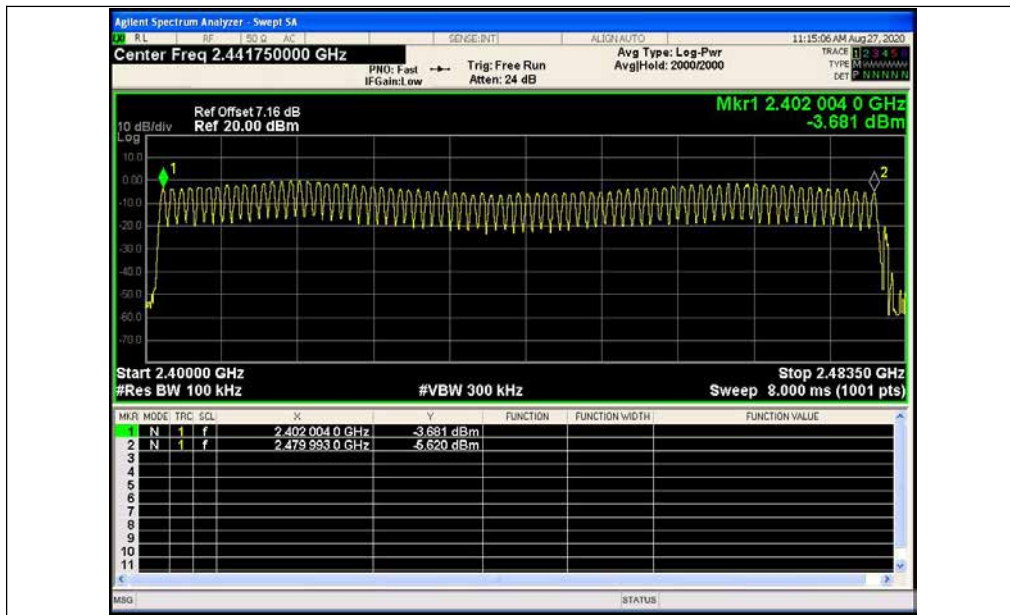
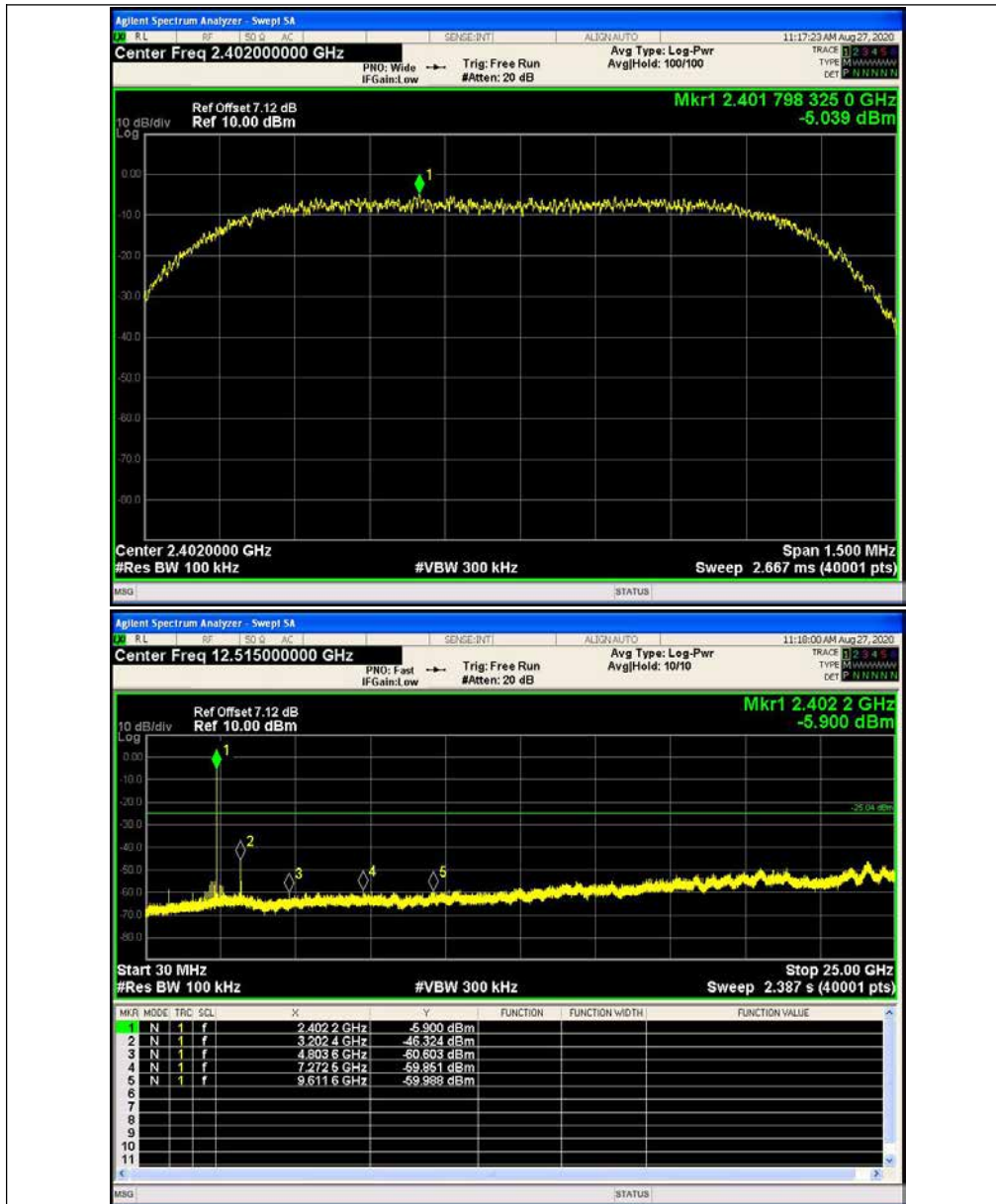
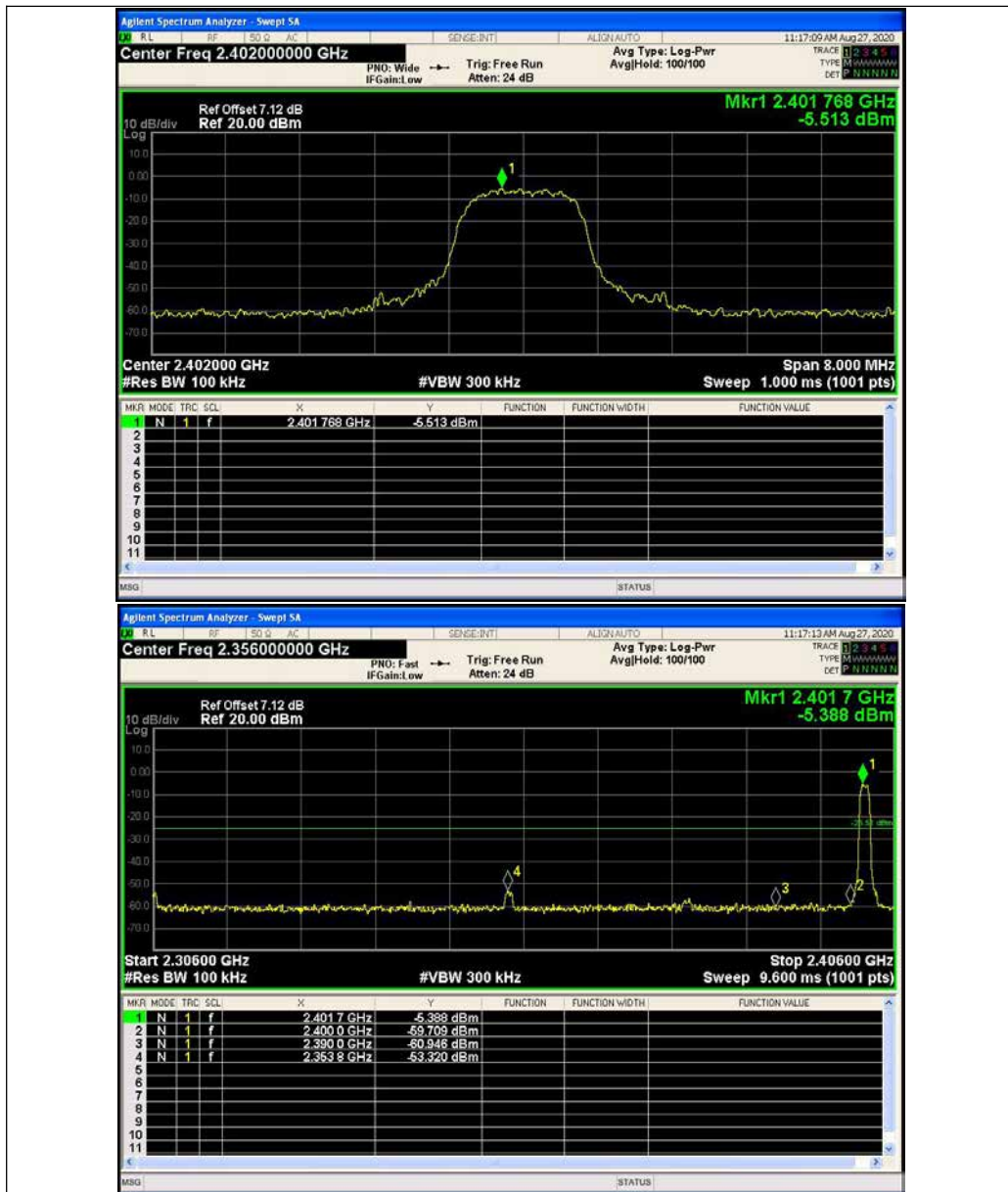
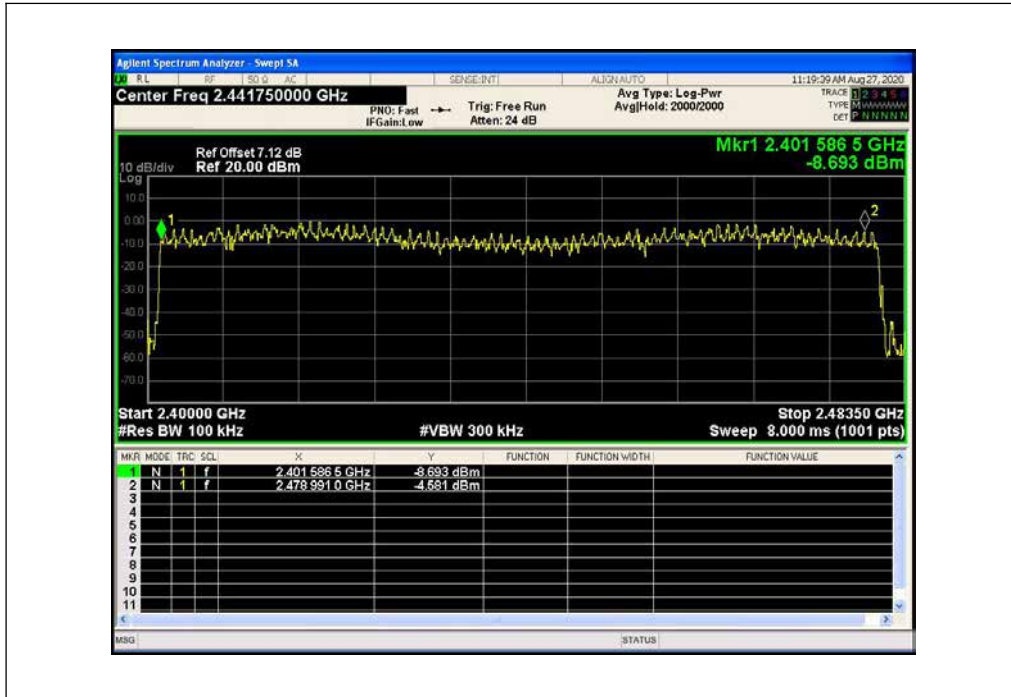




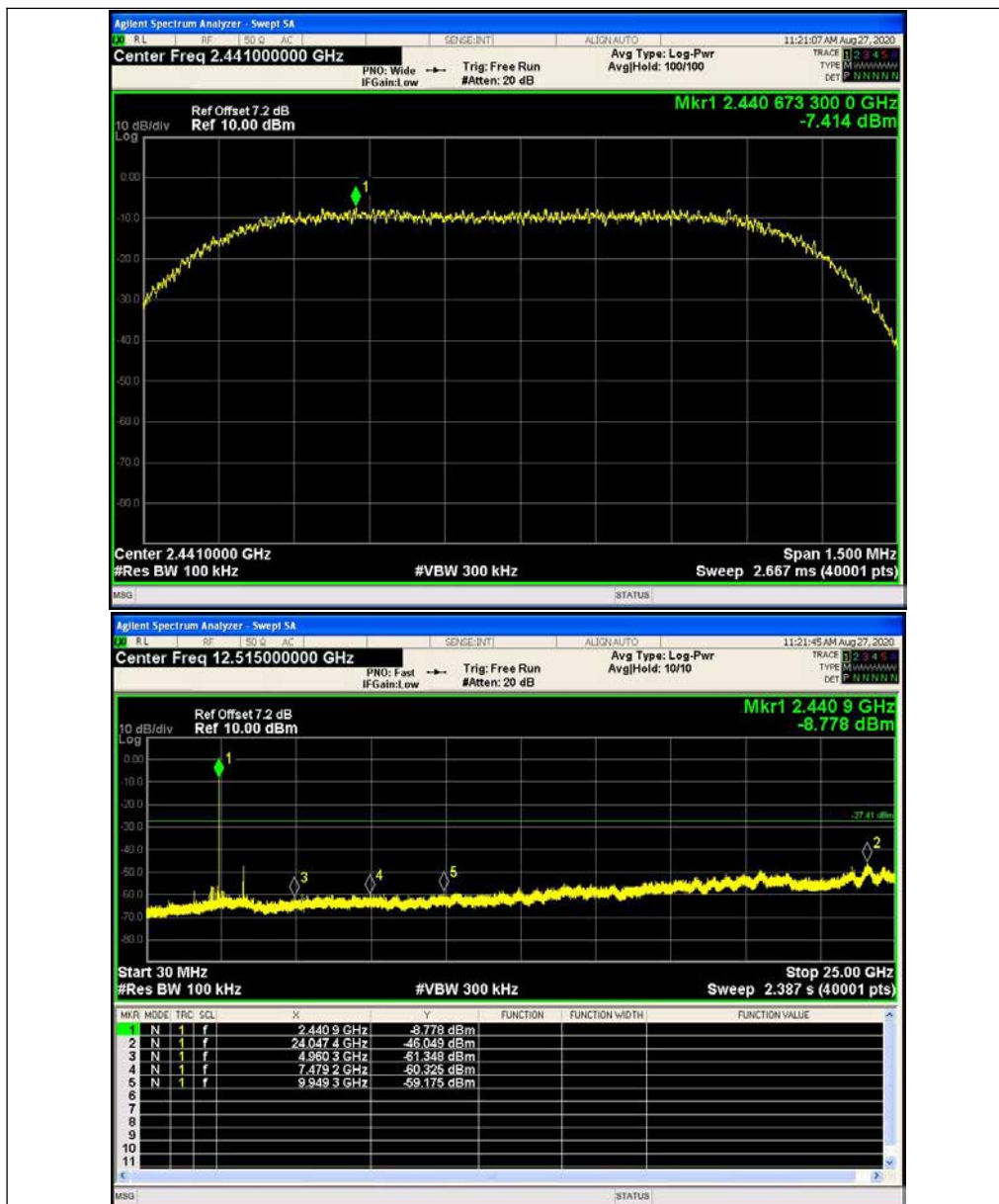
(Channel = 78, Band edge with hopping on, GFSK Mode)

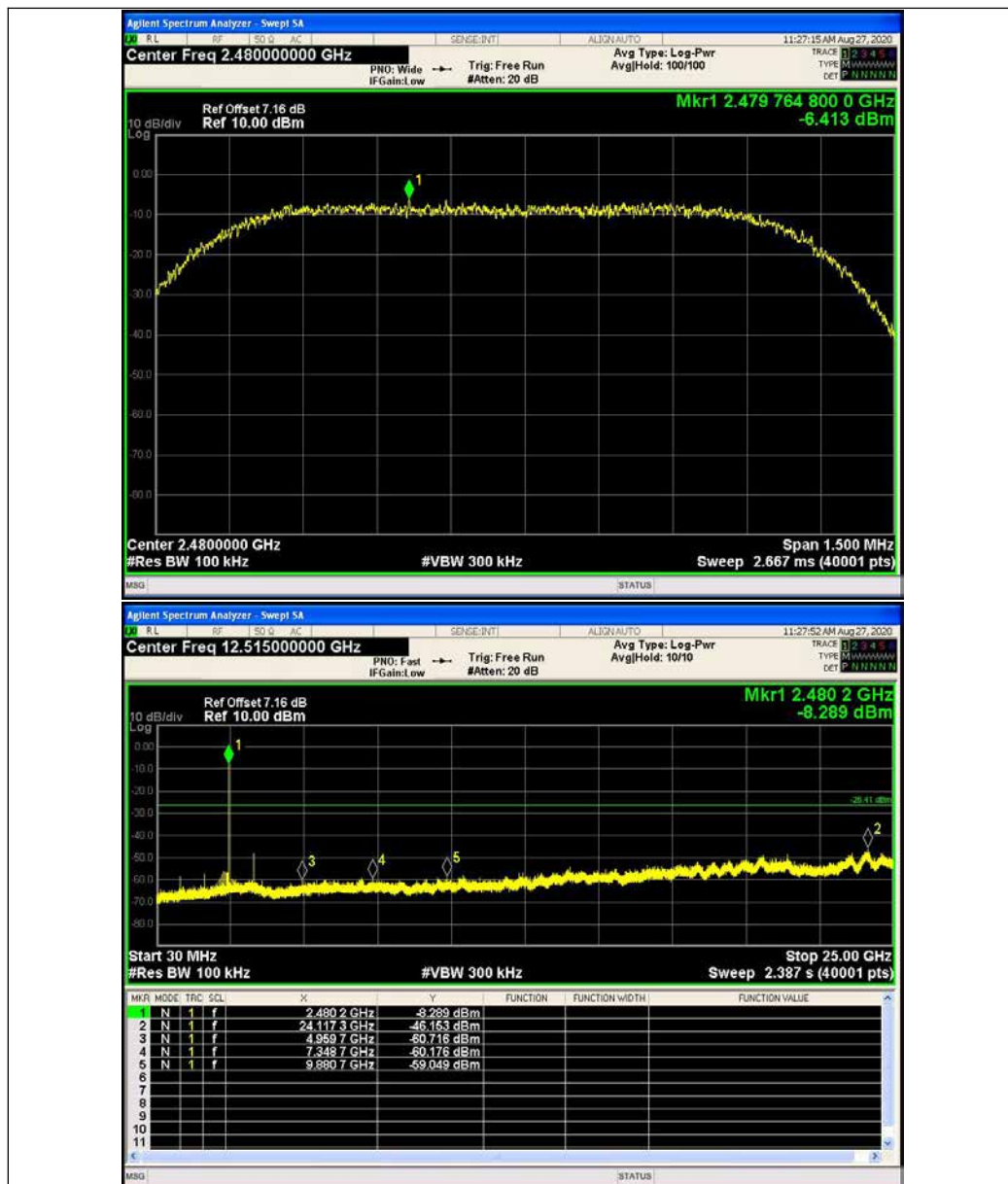
 $\pi/4$ -DQPSK Mode(Channel = 0, 30MHz to 25GHz, $\pi/4$ -DQPSK)

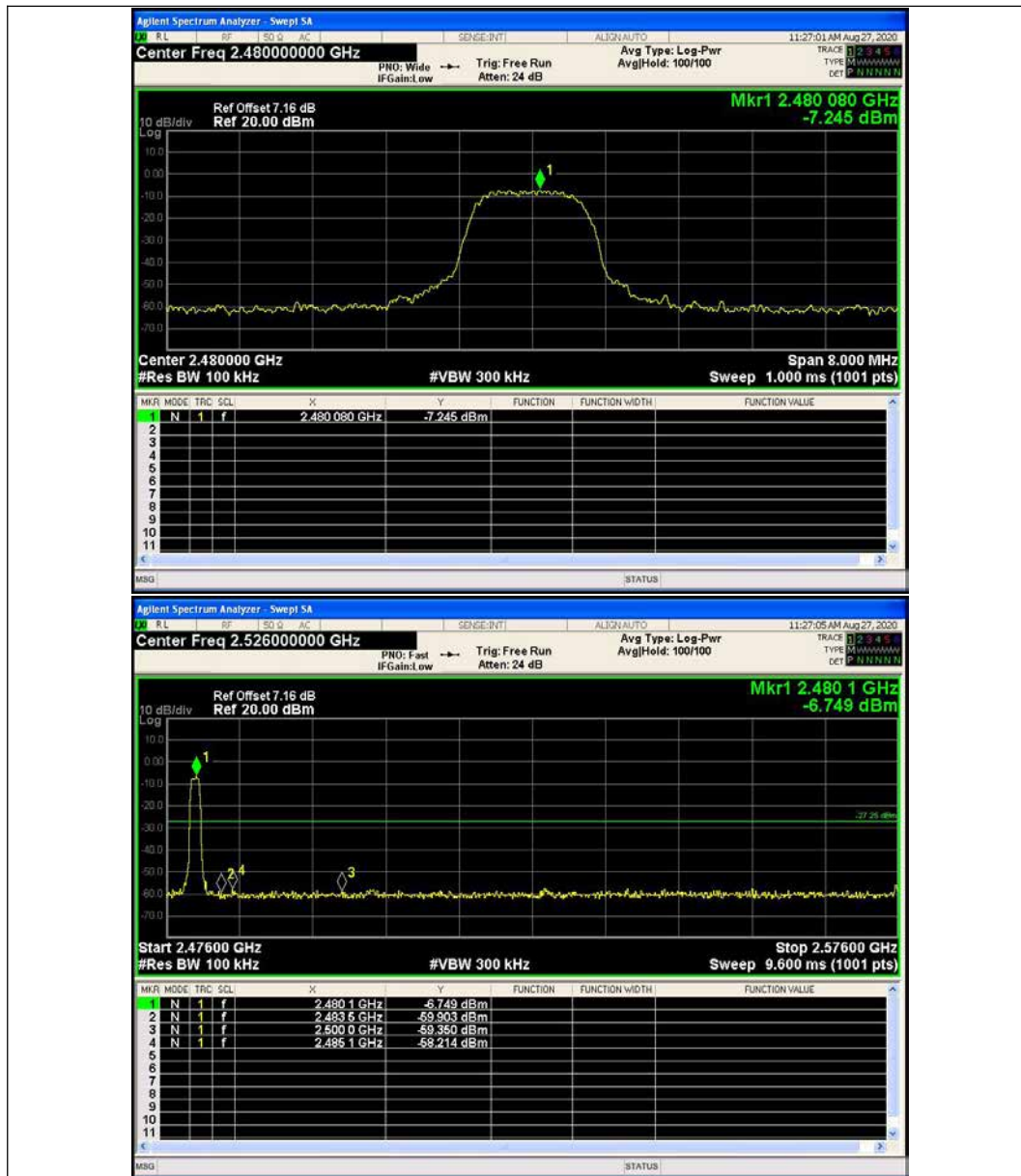
(Channel = 0, Band edge, $\pi/4$ -DQPSK)

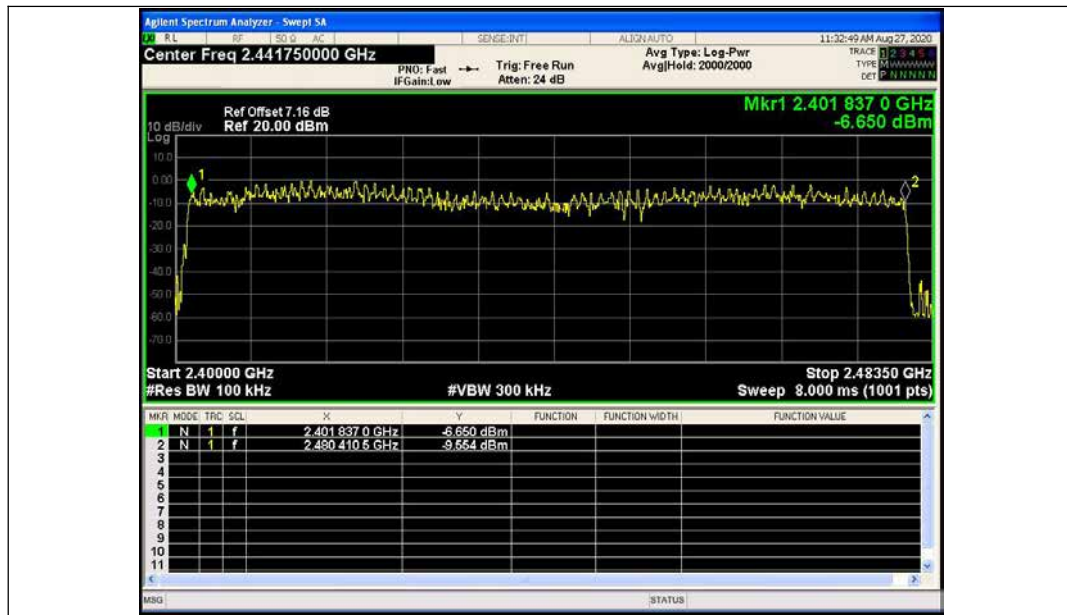


(Channel = 0, Band edge with hopping on, $\pi/4$ -DQPSK)

(Channel = 39, 30MHz to 25GHz, $\pi/4$ -DQPSK)

(Channel = 78, 30MHz to 25GHz, $\pi/4$ -DQPSK)

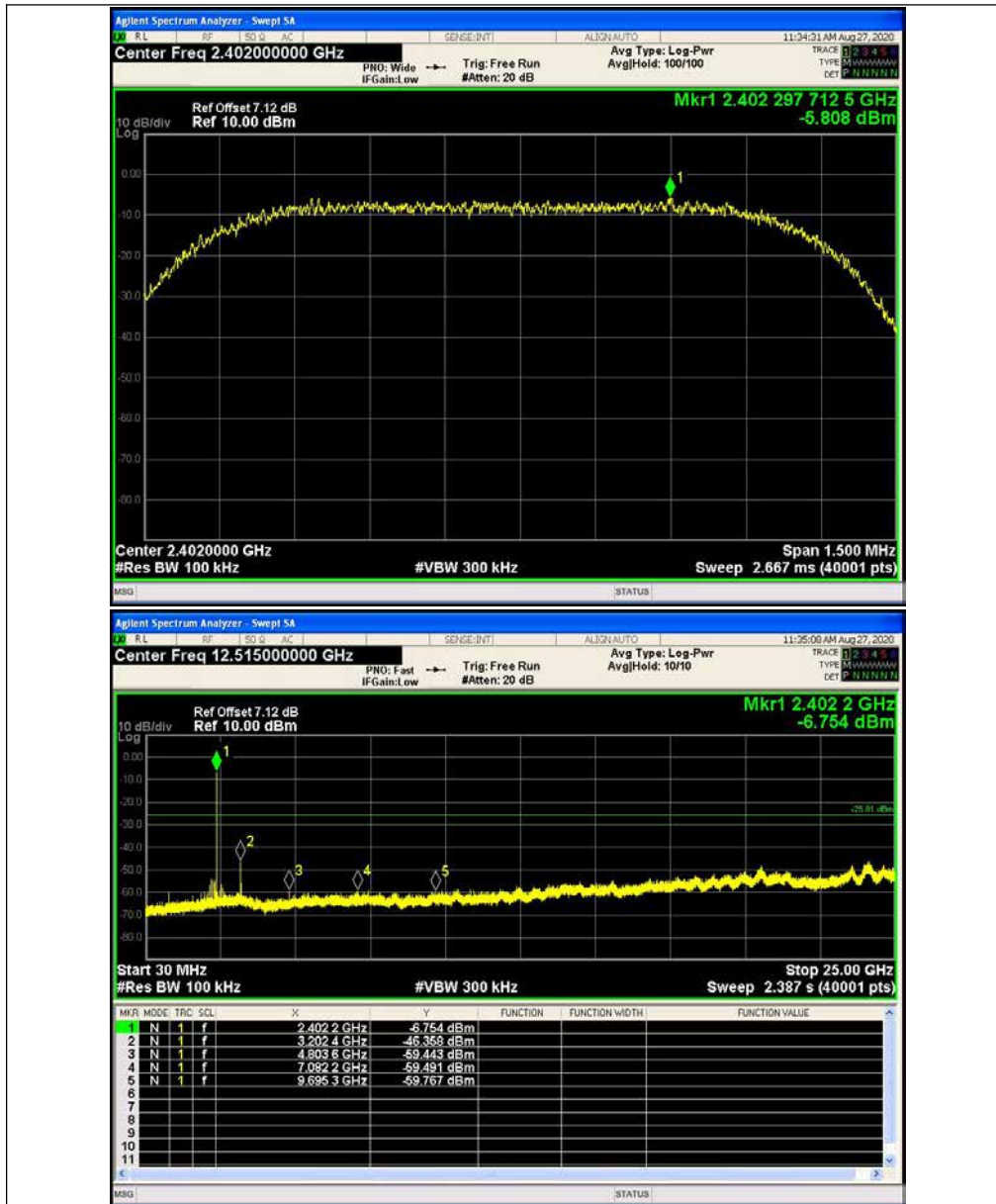
(Channel = 78, Band edge, $\pi/4$ -DQPSK)



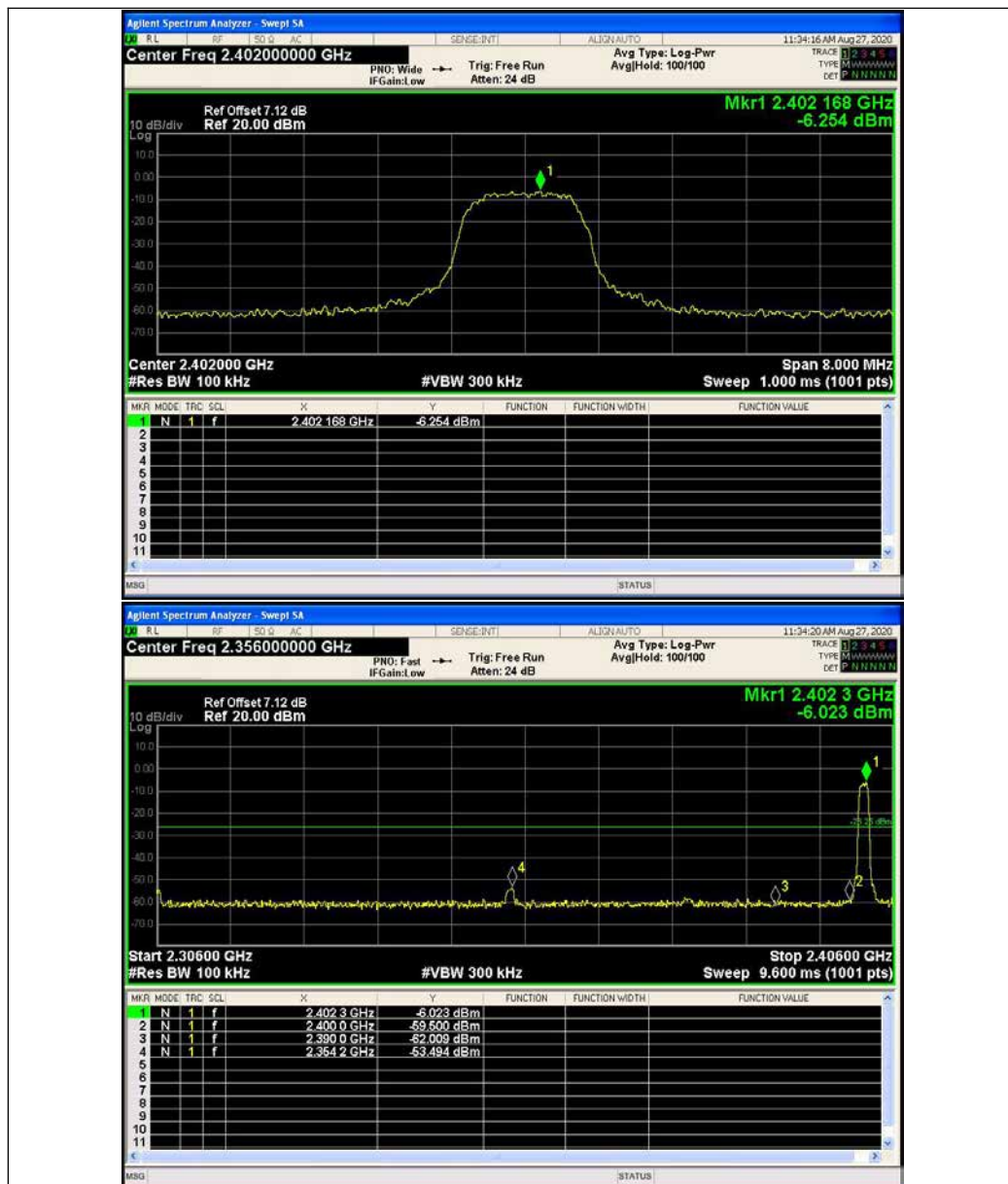
(Channel = 78, Band edge with hopping on, $\pi/4$ -DQPSK)



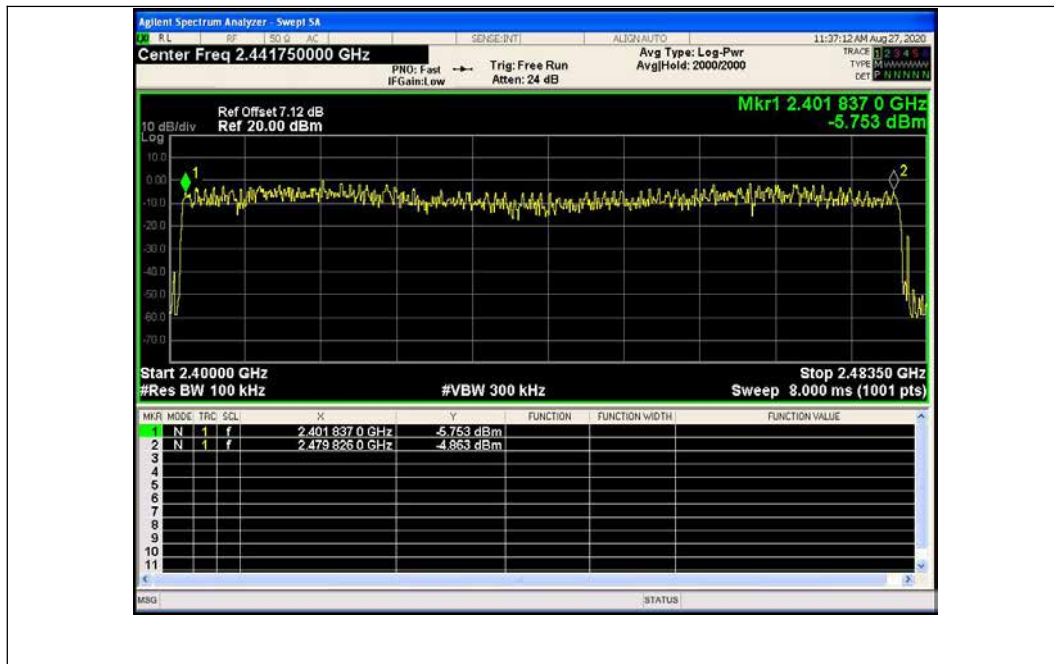
8-DPSK Mode



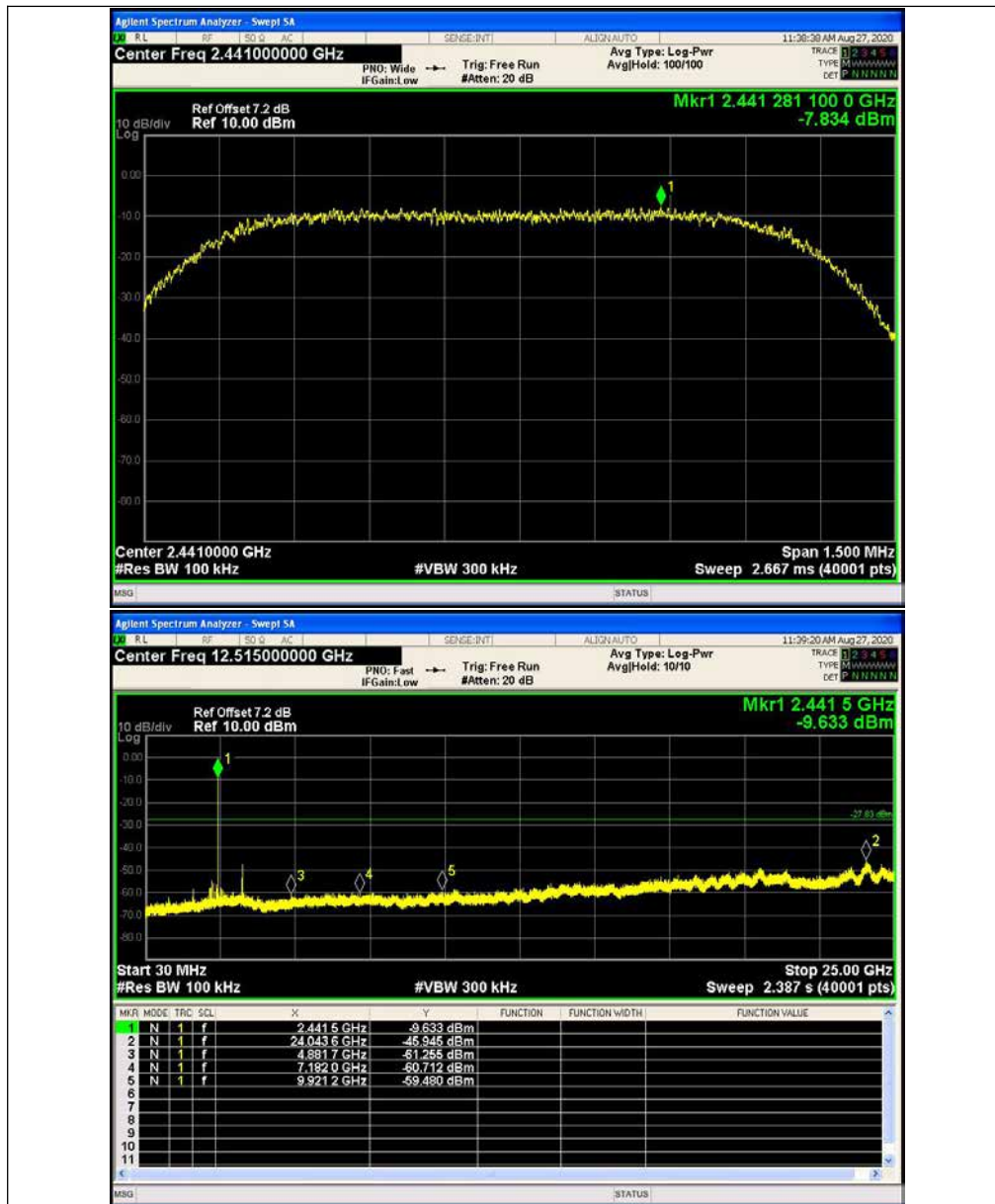
(Channel = 0, 30MHz to 25GHz, 8-DPSK)



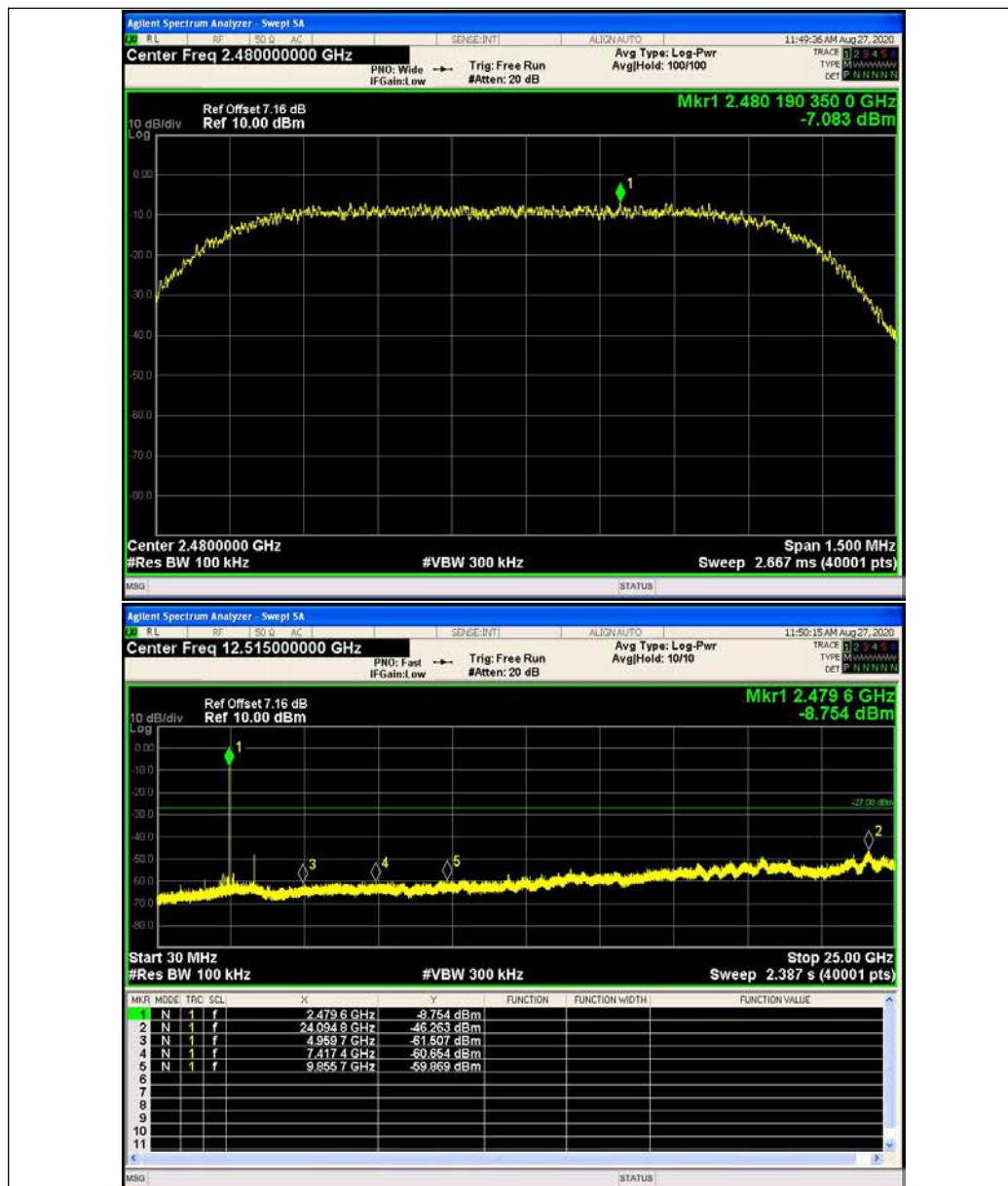
(Channel = 0, Band edge, 8-DPSK)



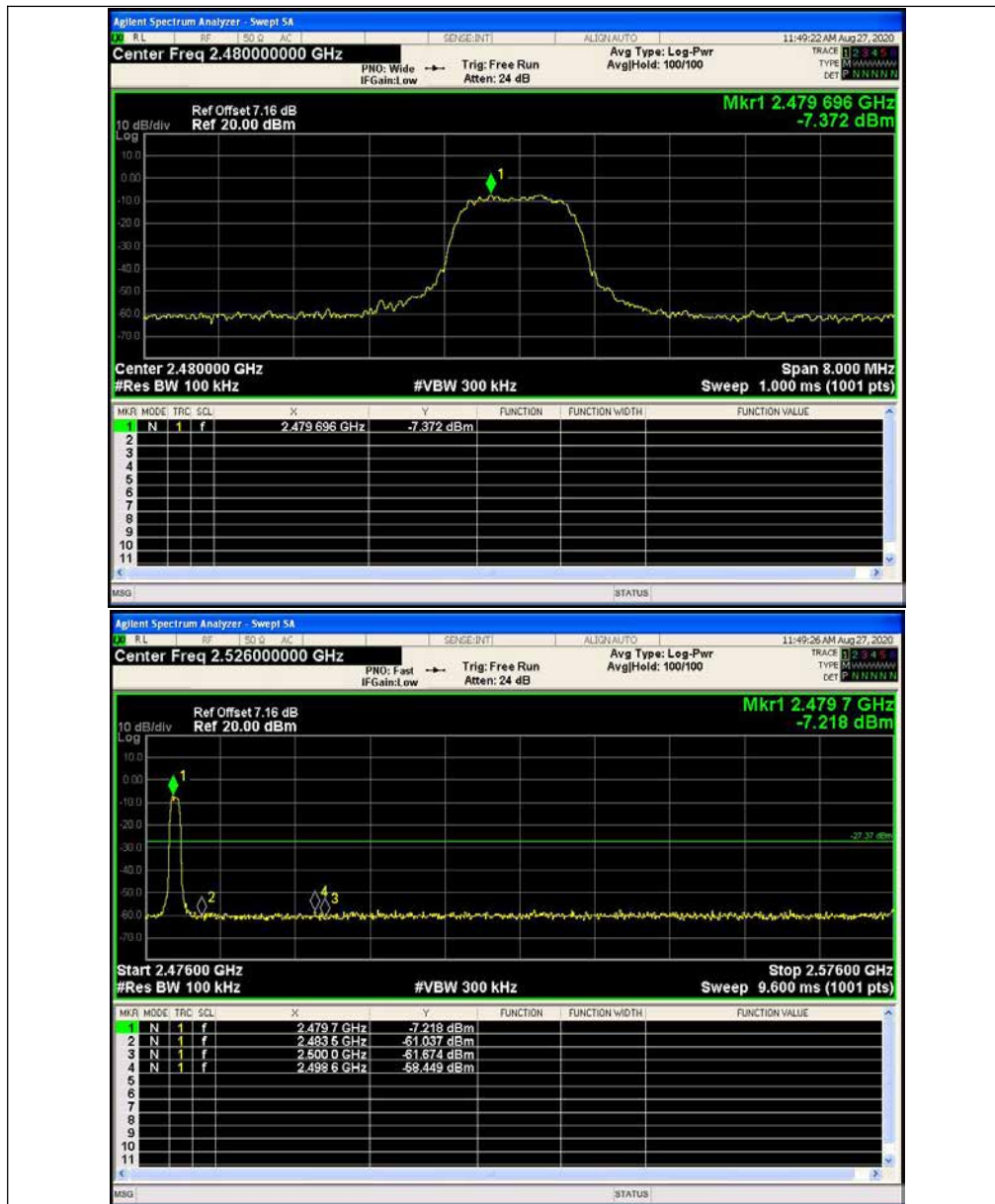
(Channel = 0, Band edge with hopping on, 8-DPSK)



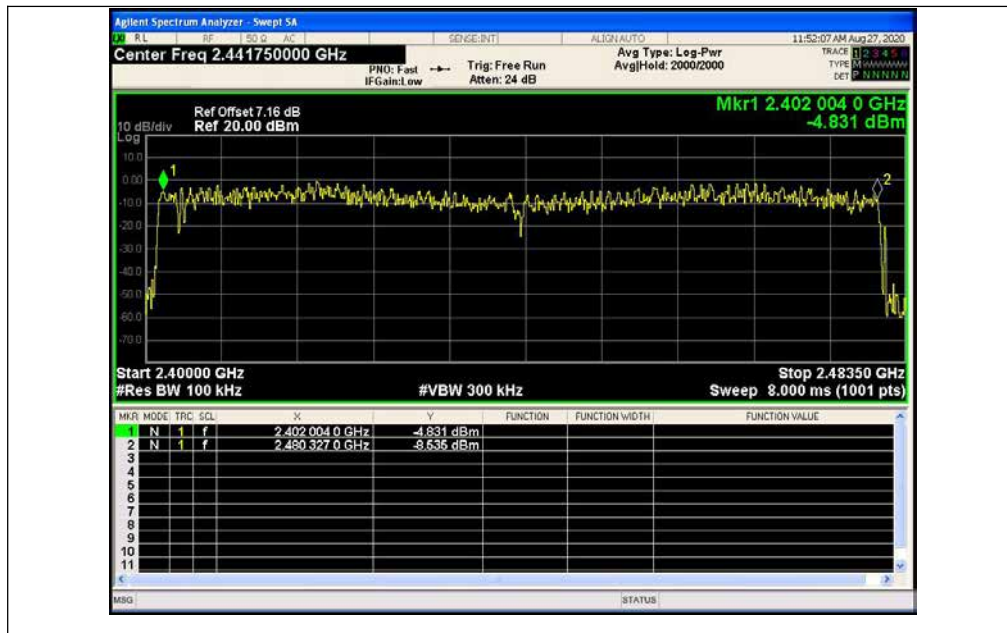
(Channel = 39, 30MHz to 25GHz, 8-DPSK)



(Channel = 78, 30MHz to 25GH, 8-DPSK)



(Channel = 78, Band edge, 8-DPSK)



(Channel = 78, Band edge with hopping on, 8-DPSK)

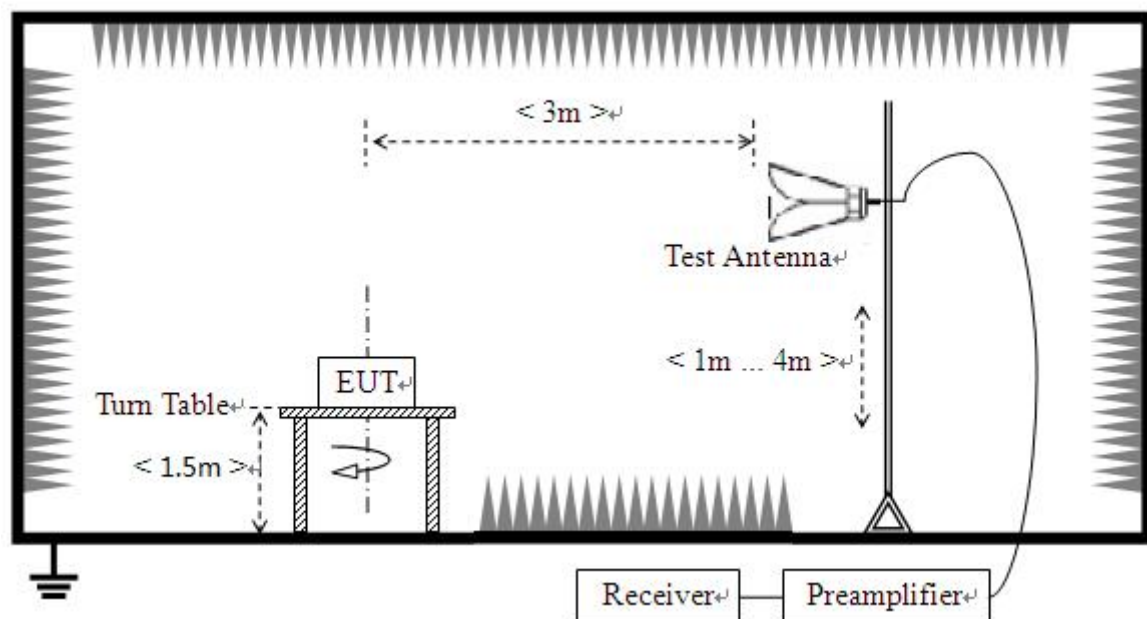
2.9. Restricted Frequency Bands

2.9.1. Requirement

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. In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

2.9.2. Test Description

A. Test Setup:



The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the Bluetooth Module of the EUT is activated and controlled by the Bluetooth Service Supplier (SS) via a Common Antenna, and is set to operate under non hopping-on test mode transmitting 339 bytes DH5, 679 bytes 2DH5 and 1021 bytes 3DH5 packages at maximum power.

For the Test Antenna:

Horn Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.



For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasipeak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

B. Equipments List:

Please refer ANNEX B(4).

2.9.3. Test Result

The lowest and highest channels are tested to verify Restricted Frequency Bands.

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

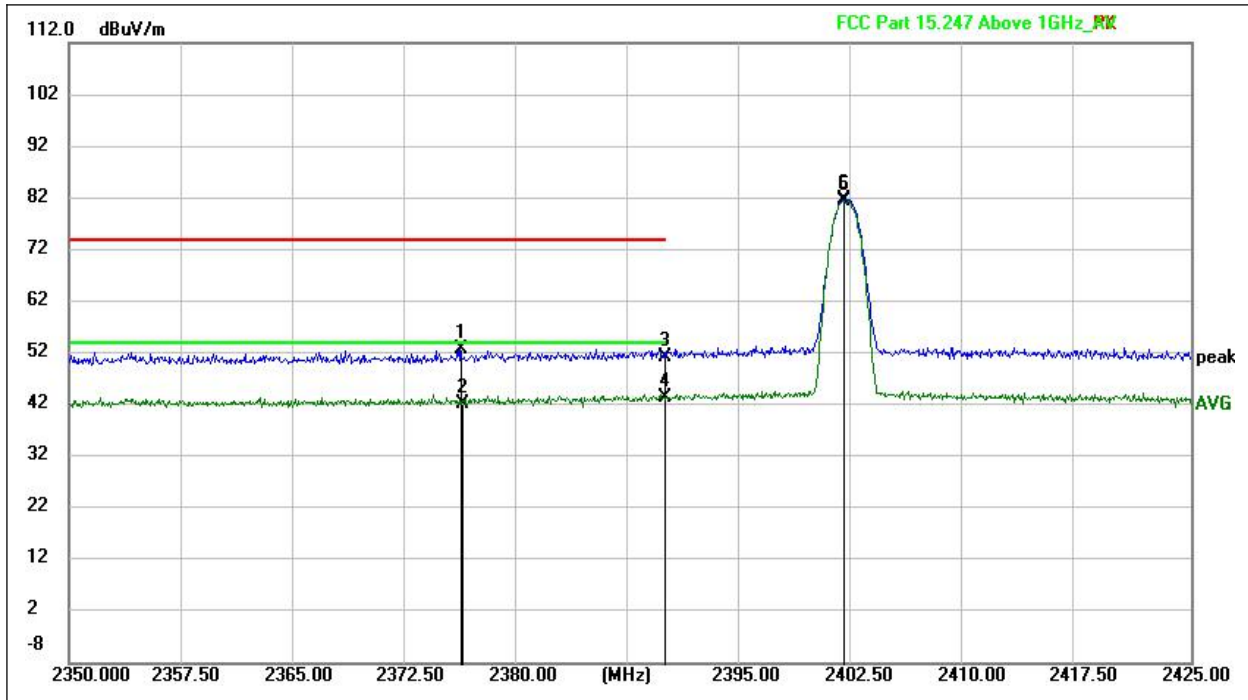
AT: Total correction Factor except Antenna

UR: Receiver Reading

Gpreamp: Preamplifier Gain

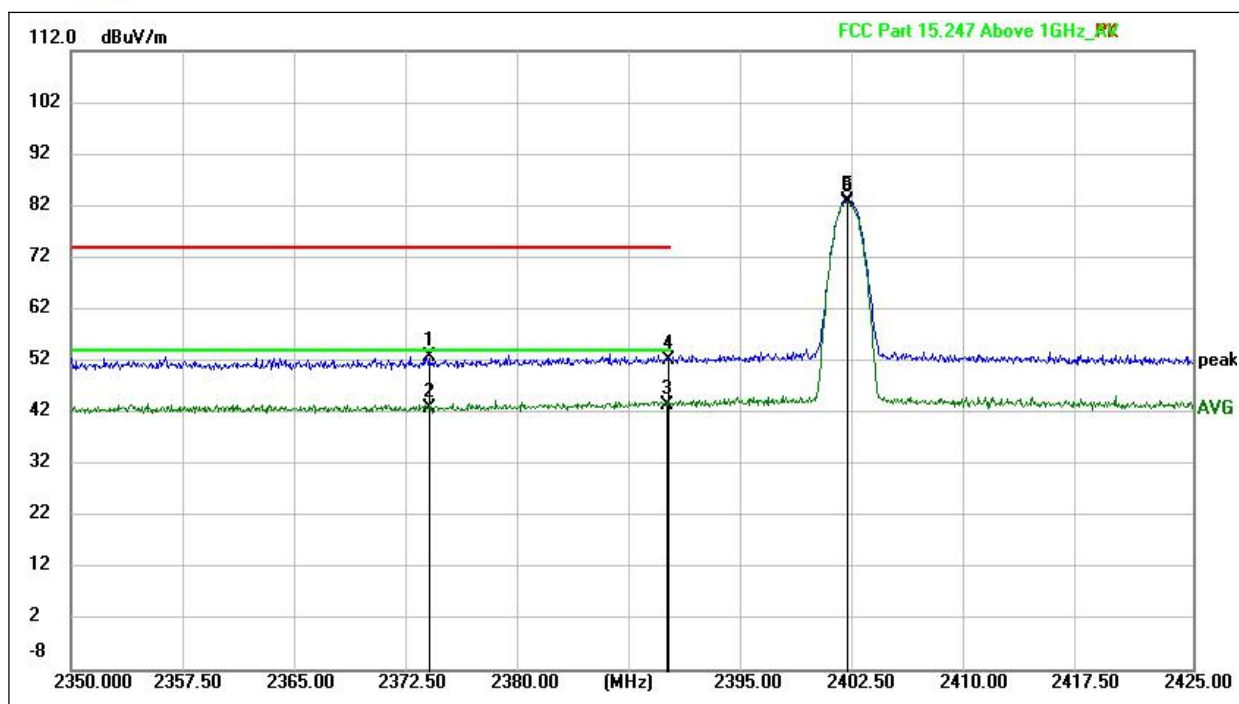
AFactor: Antenna Factor at 3m

GFSK Test mode



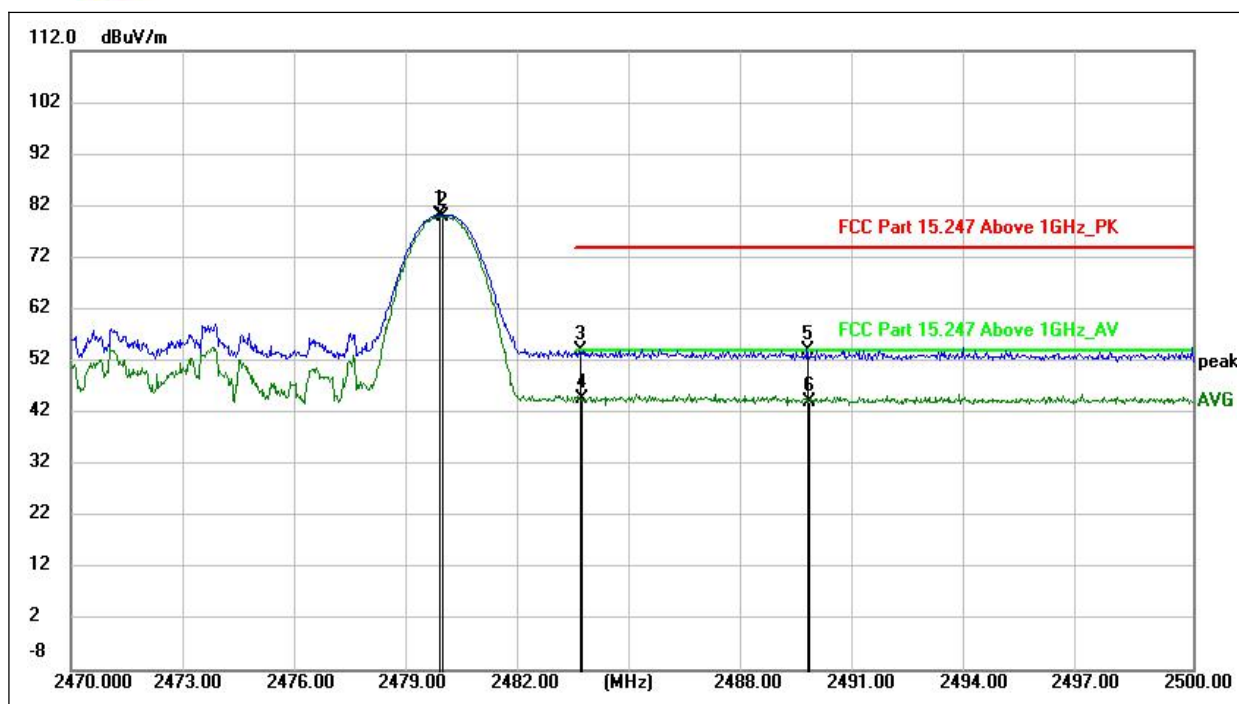
(GFSK_2402MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2376.235	12.60	40.20	52.80	74.00	-21.20	peak	H
2376.273	2.01	40.20	42.21	54.00	-11.79	AVG	H
2389.881	10.27	40.95	51.22	74.00	-22.78	peak	H
2389.881	2.38	40.95	43.33	54.00	-10.67	AVG	H
2401.799	39.65	41.62	81.27	N/A	N/A	AVG	H
2401.821	40.08	41.61	81.69	N/A	N/A	peak	H



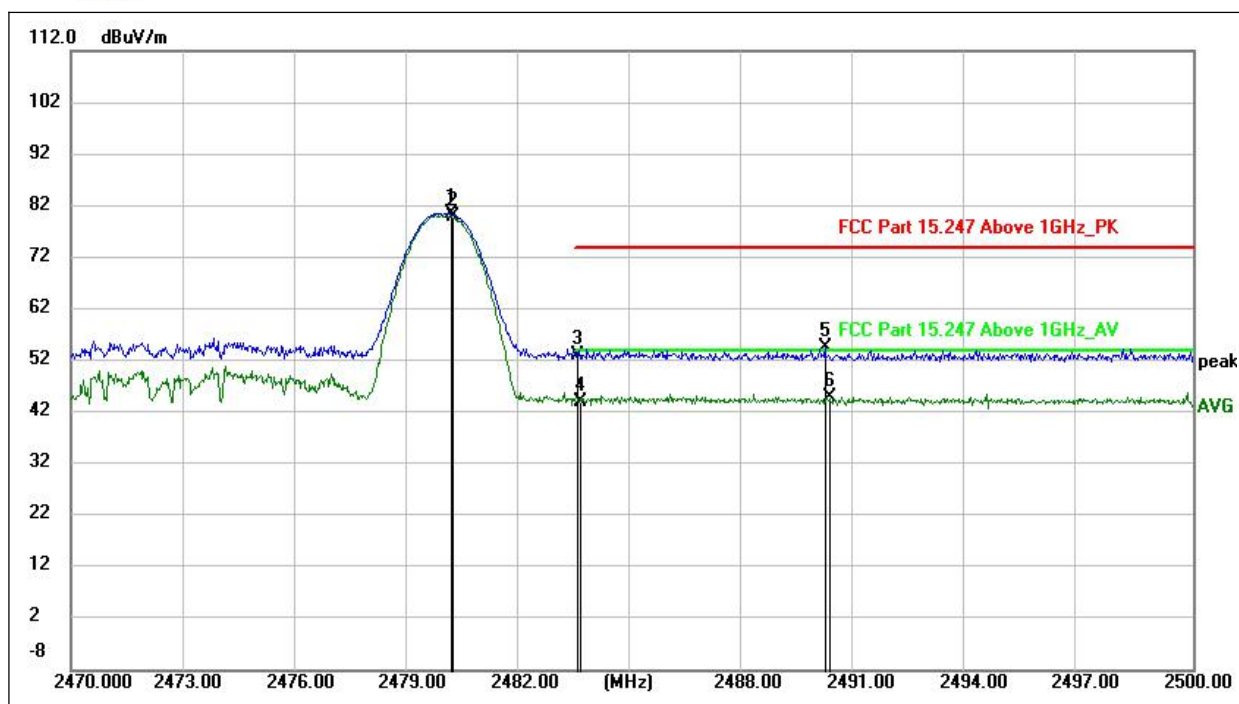
(GFSK_2402MHz, Antenna Vertical)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2373.872	12.64	40.18	52.82	74.00	-21.18	peak	V
2373.970	2.50	40.18	42.68	54.00	-11.32	AVG	V
2389.855	2.58	40.95	43.53	54.00	-10.47	AVG	V
2389.975	11.05	40.96	52.01	74.00	-21.99	peak	V
2401.851	41.28	41.61	82.89	N/A	N/A	peak	V
2401.851	40.87	41.61	82.48	N/A	N/A	AVG	V



(GFSK_2480MHz, Antenna Horizontal)

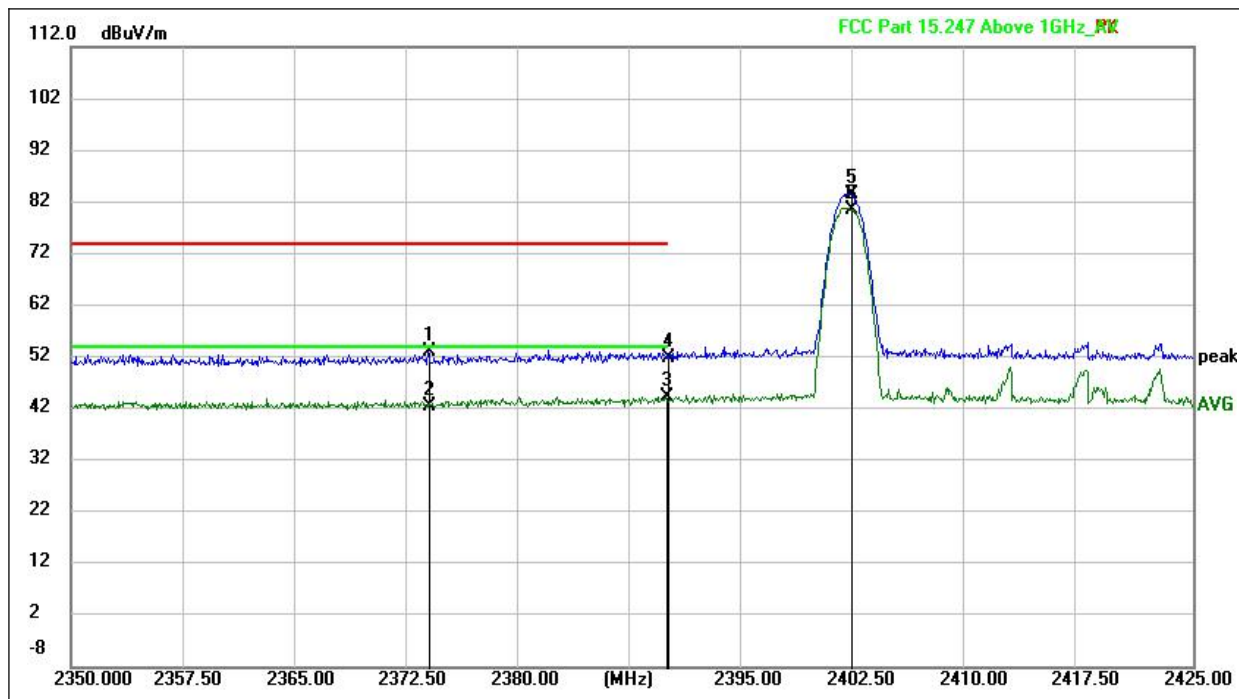
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.856	38.42	41.77	80.19	N/A	N/A	peak	H
2479.925	38.00	41.77	79.77	N/A	N/A	AVG	H
2483.613	12.06	41.77	53.83	74.00	-20.17	peak	H
2483.680	2.85	41.76	44.61	54.00	-9.39	AVG	H
2489.686	12.54	41.57	54.11	74.00	-19.89	peak	H
2489.718	2.53	41.57	44.10	54.00	-9.90	AVG	H



(GFSK_2480MHz, Antenna Vertical)

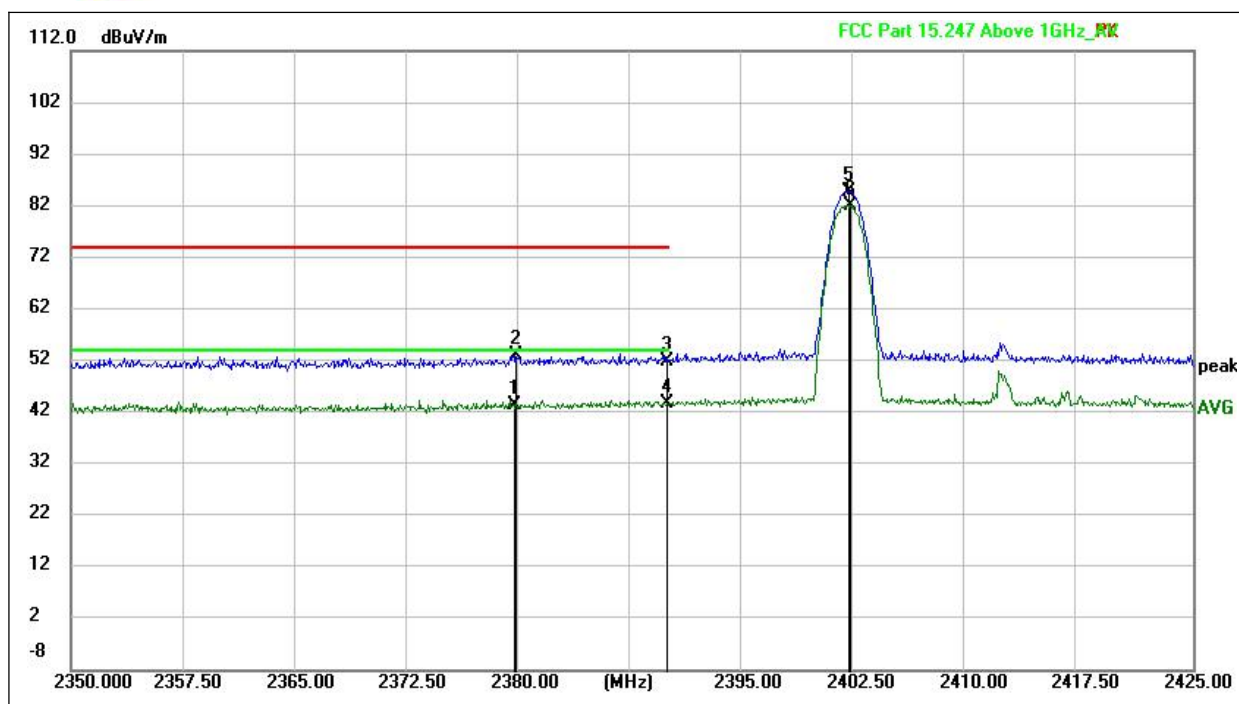
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.143	38.69	41.76	80.45	N/A	N/A	peak	V
2480.179	38.21	41.76	79.97	N/A	N/A	AVG	V
2483.560	11.27	41.76	53.03	74.00	-20.97	peak	V
2483.617	2.36	41.77	44.13	54.00	-9.87	AVG	V
2490.169	13.04	41.56	54.60	74.00	-19.40	peak	V
2490.259	3.43	41.55	44.98	54.00	-9.02	AVG	V

$\pi/4$ -DQPSK Test mode



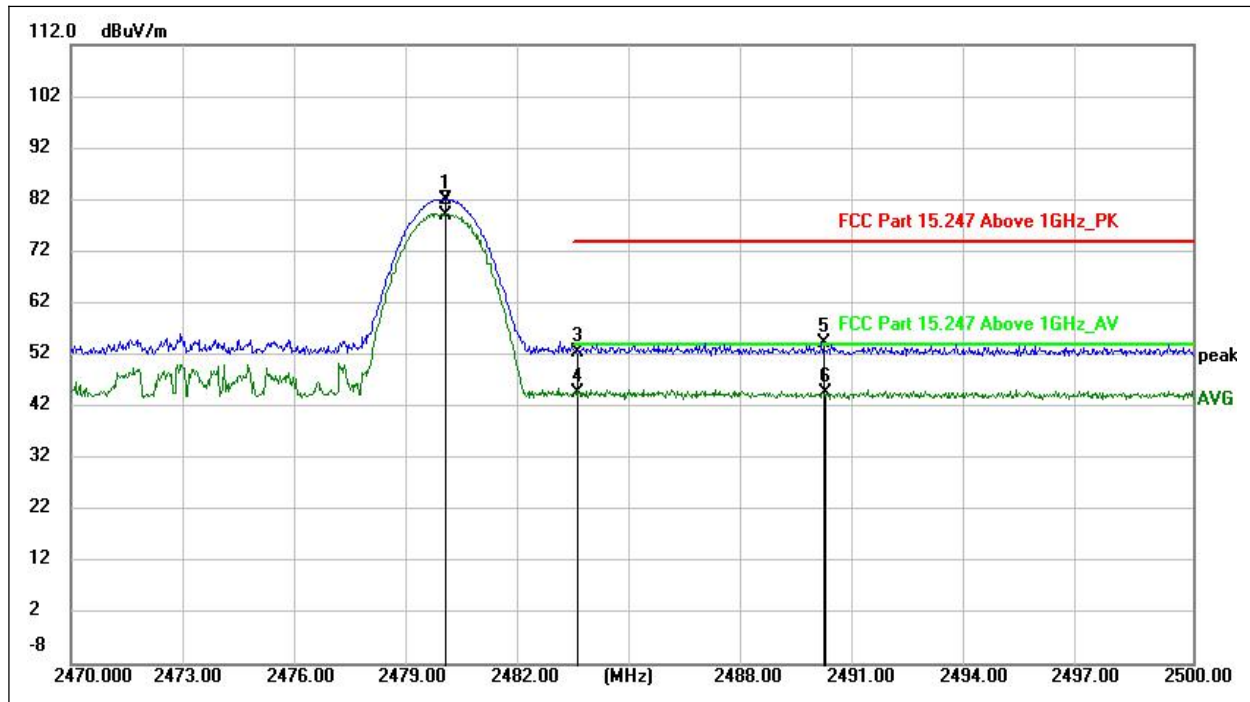
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2373.963	12.76	40.18	52.94	74.00	-21.06	peak	H
2373.963	2.30	40.18	42.48	54.00	-11.52	AVG	H
2389.855	3.38	40.95	44.33	54.00	-9.67	AVG	H
2389.919	10.97	40.95	51.92	74.00	-22.08	peak	H
2402.181	42.03	41.60	83.63	N/A	N/A	peak	H
2402.181	39.03	41.60	80.63	N/A	N/A	AVG	H



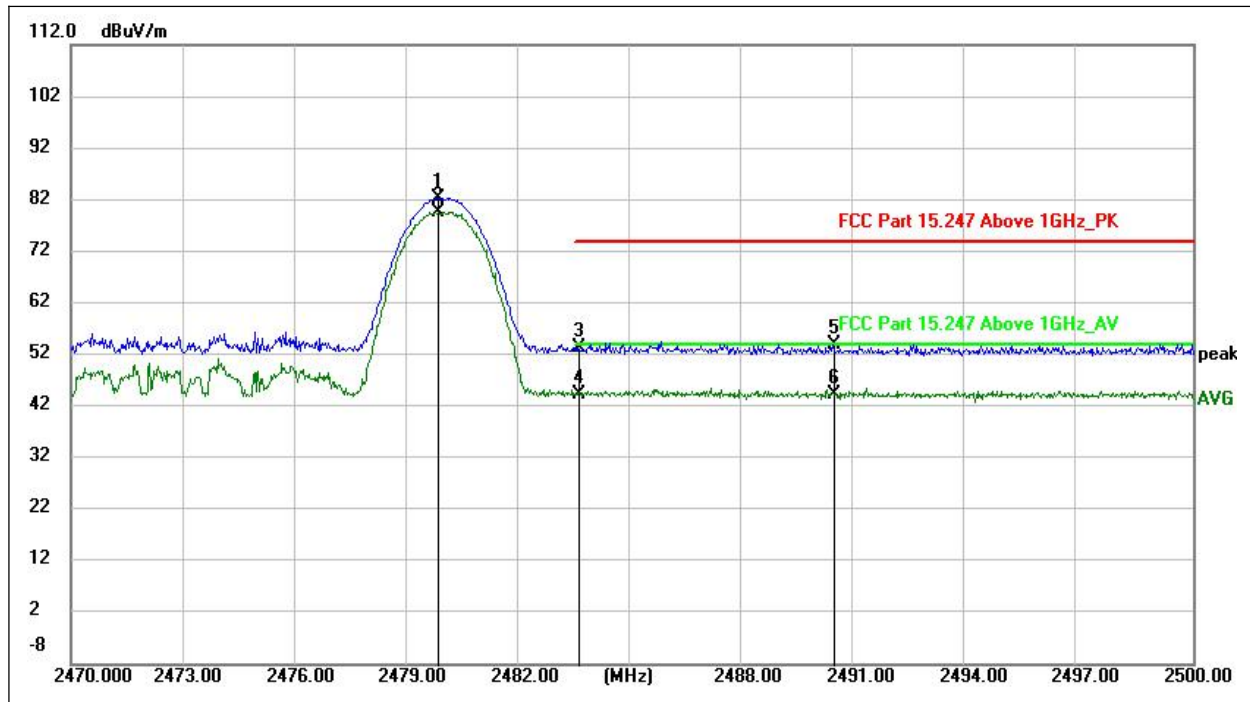
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2379.681	3.27	40.22	43.49	54.00	-10.51	AVG	V
2379.738	12.86	40.22	53.08	74.00	-20.92	peak	V
2389.829	10.89	40.95	51.84	74.00	-22.16	peak	V
2389.892	2.77	40.95	43.72	54.00	-10.28	AVG	V
2401.923	43.20	41.61	84.81	N/A	N/A	peak	V
2402.088	40.27	41.60	81.87	N/A	N/A	AVG	V



($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal)

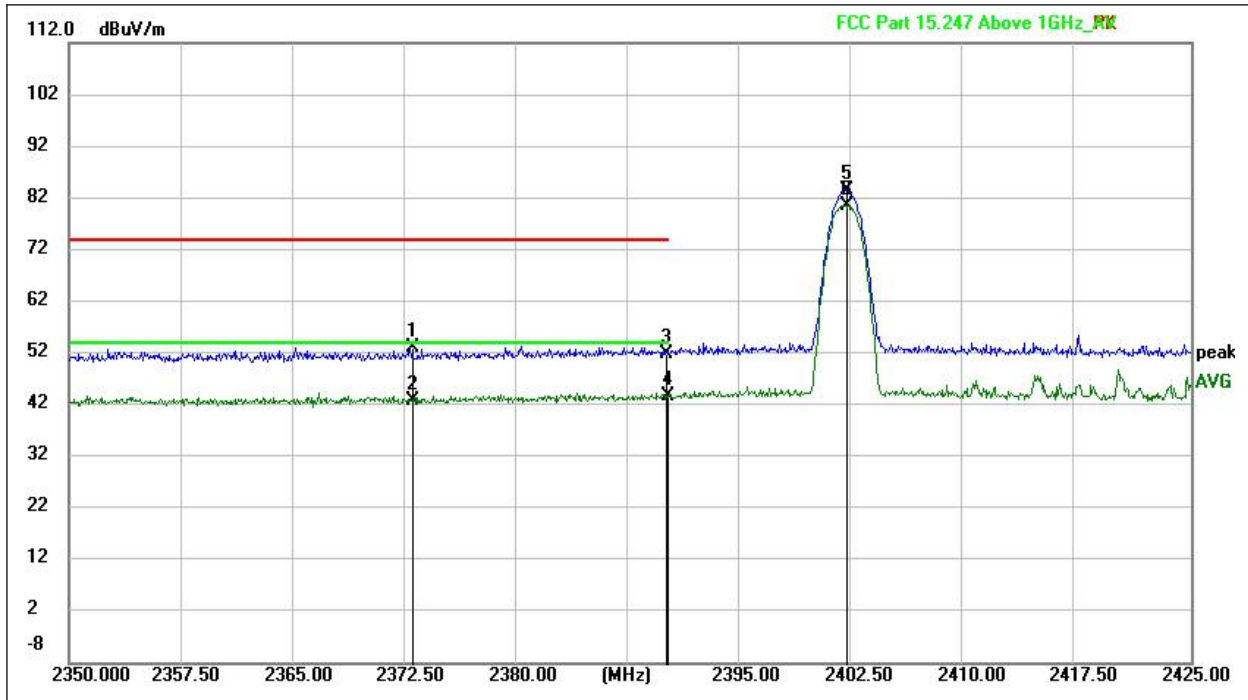
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.012	40.30	41.77	82.07	N/A	N/A	peak	H
2480.012	37.26	41.77	79.03	N/A	N/A	AVG	H
2483.530	10.72	41.76	52.48	74.00	-21.52	peak	H
2483.530	2.78	41.76	44.54	54.00	-9.46	AVG	H
2490.102	12.68	41.56	54.24	74.00	-19.76	peak	H
2490.146	2.96	41.56	44.52	54.00	-9.48	AVG	H



($\pi/4$ -DQPSK _2480MHz, Antenna Vertical)

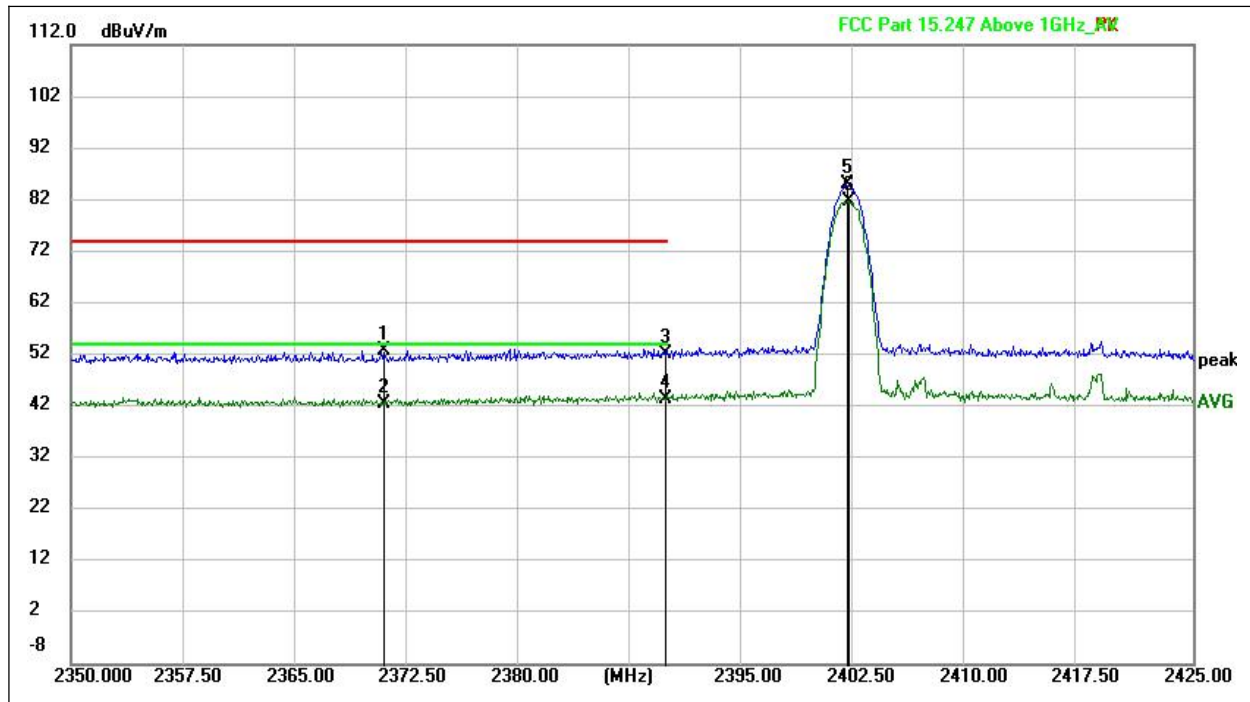
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.823	40.50	41.77	82.27	N/A	N/A	peak	V
2479.823	37.71	41.77	79.48	N/A	N/A	AVG	V
2483.564	11.62	41.76	53.38	74.00	-20.62	peak	V
2483.564	2.54	41.76	44.30	54.00	-9.70	AVG	V
2490.409	12.28	41.55	53.83	74.00	-20.17	peak	V
2490.418	2.91	41.55	44.46	54.00	-9.54	AVG	V

8-DQPSK Test mode



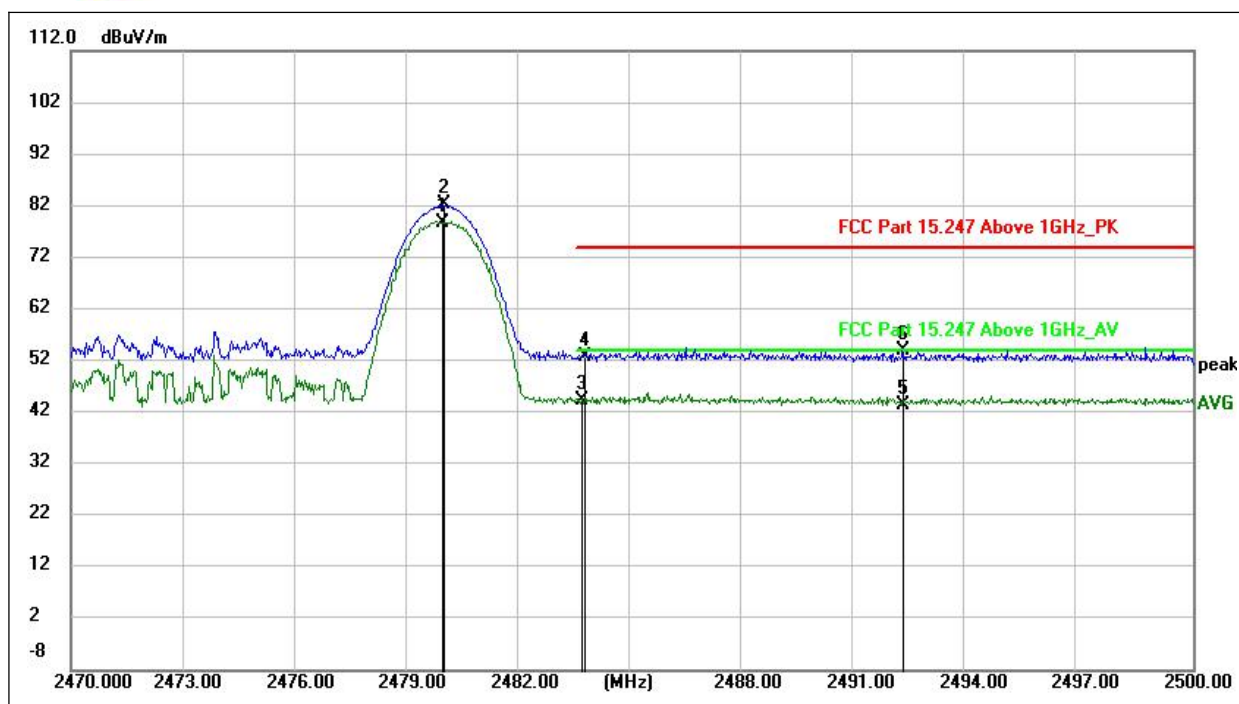
(8-DQPSK _2402MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2372.883	12.74	40.18	52.92	74.00	-21.08	peak	H
2372.969	2.59	40.18	42.77	54.00	-11.23	AVG	H
2389.911	10.83	40.95	51.78	74.00	-22.22	peak	H
2389.997	2.75	40.96	43.71	54.00	-10.29	AVG	H
2401.926	42.01	41.61	83.62	N/A	N/A	peak	H
2401.997	38.78	41.61	80.39	N/A	N/A	AVG	H



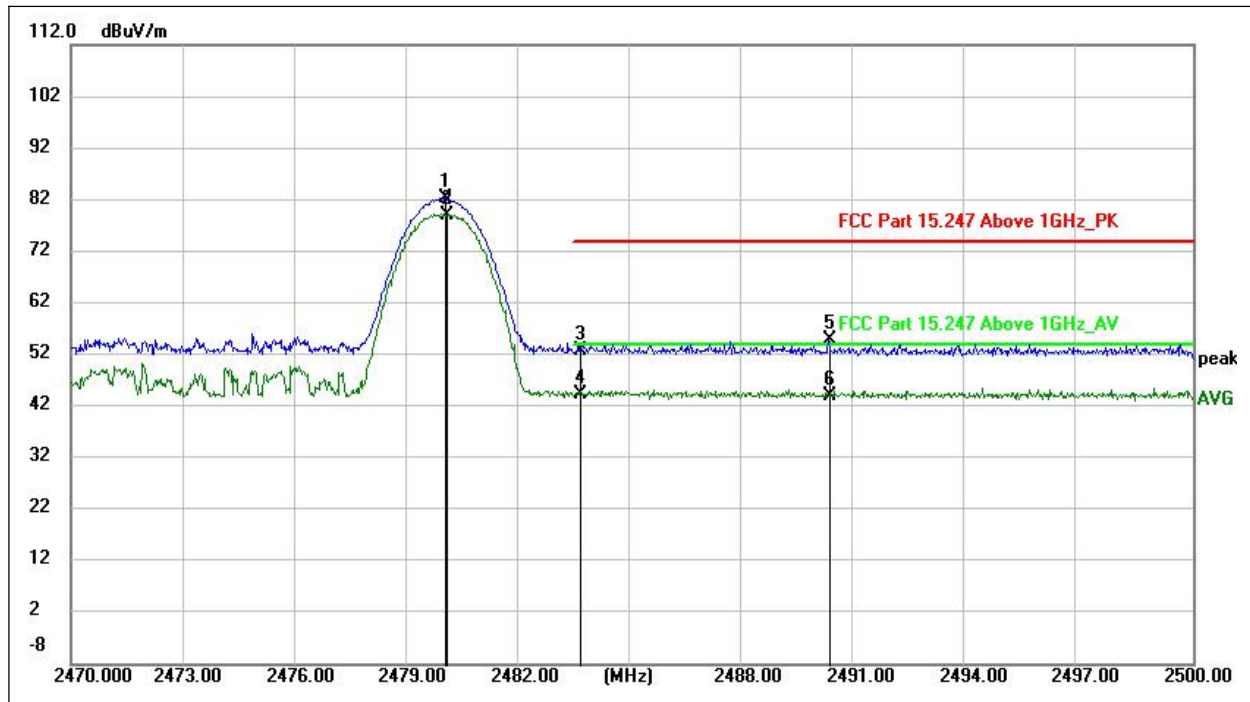
(8-DQPSK _2402MHz, Antenna Vertical)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2370.858	12.67	40.16	52.83	74.00	-21.17	peak	V
2370.872	2.33	40.16	42.49	54.00	-11.51	AVG	V
2389.739	11.19	40.94	52.13	74.00	-21.87	peak	V
2389.739	2.54	40.94	43.48	54.00	-10.52	AVG	V
2401.900	43.27	41.61	84.88	N/A	N/A	peak	V
2401.975	40.02	41.61	81.63	N/A	N/A	AVG	V



(8-DQPSK_2480MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.957	36.88	41.77	78.65	N/A	N/A	AVG	H
2479.975	40.39	41.77	82.16	N/A	N/A	peak	H
2483.651	2.60	41.76	44.36	54.00	-9.64	AVG	H
2483.737	11.11	41.76	52.87	74.00	-21.13	peak	H
2492.233	1.87	41.50	43.37	54.00	-10.63	AVG	H
2492.245	12.49	41.50	53.99	74.00	-20.01	peak	H



(8-DQPSK _2480MHz, Antenna Vertical)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.994	40.67	41.77	82.44	N/A	N/A	peak	V
2480.024	37.19	41.77	78.96	N/A	N/A	AVG	V
2483.596	10.89	41.77	52.66	74.00	-21.34	peak	V
2483.596	2.65	41.77	44.42	54.00	-9.58	AVG	V
2490.276	13.18	41.55	54.73	74.00	-19.27	peak	V
2490.276	2.34	41.55	43.89	54.00	-10.11	AVG	V

2.10. Conducted Emission

2.10.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

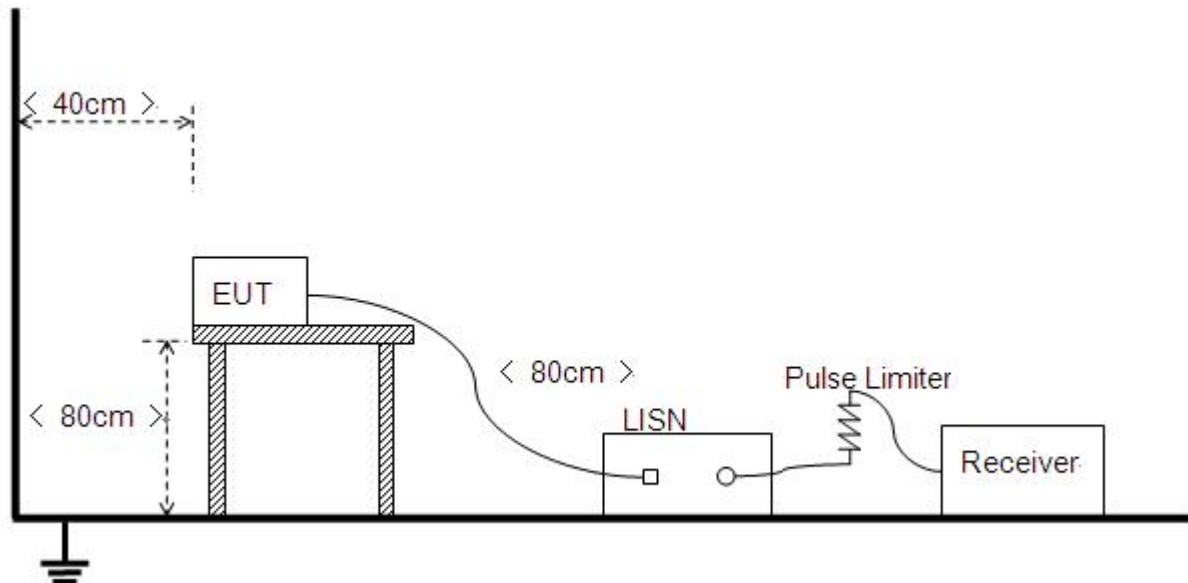
Frequency (MHz)	range	Conducted Limit (dB μ V)	
		Quai-peak	Average
0.15 - 0.50		66 to 56	56 to 46
0.50 - 5		56	46
5- 30		60	50

NOTE:

- The lower limit shall apply at the band edges.
- The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.10.2. Test Description

A. Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.



The factors of the site are calibrated to correct the reading. During the measurement, the Bluetooth EUT is activated and controlled by the Bluetooth Service Supplier (SS) via a Common Antenna, and is set to operate under hopping-on test mode transmitting 339 bytes DH5 packages at maximum power.

B. Equipments List:

Please refer ANNEX B(4).

2.10.3. Test Result

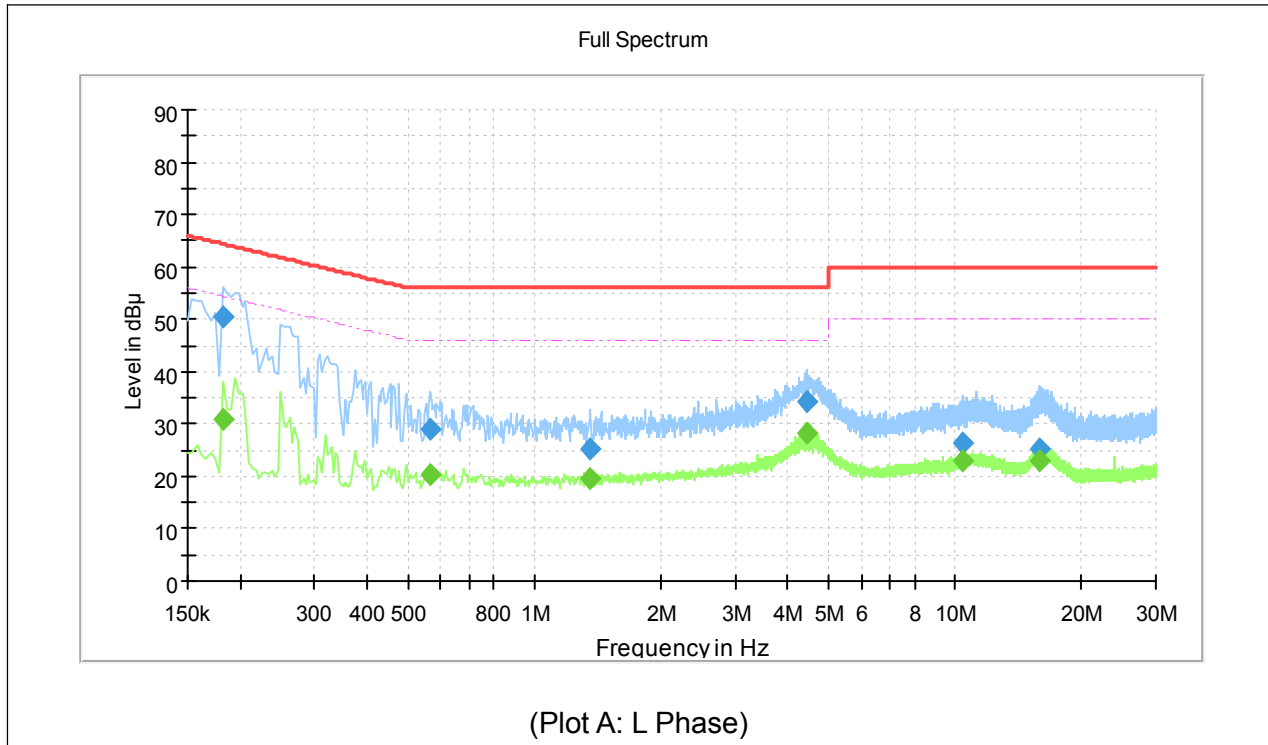
The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

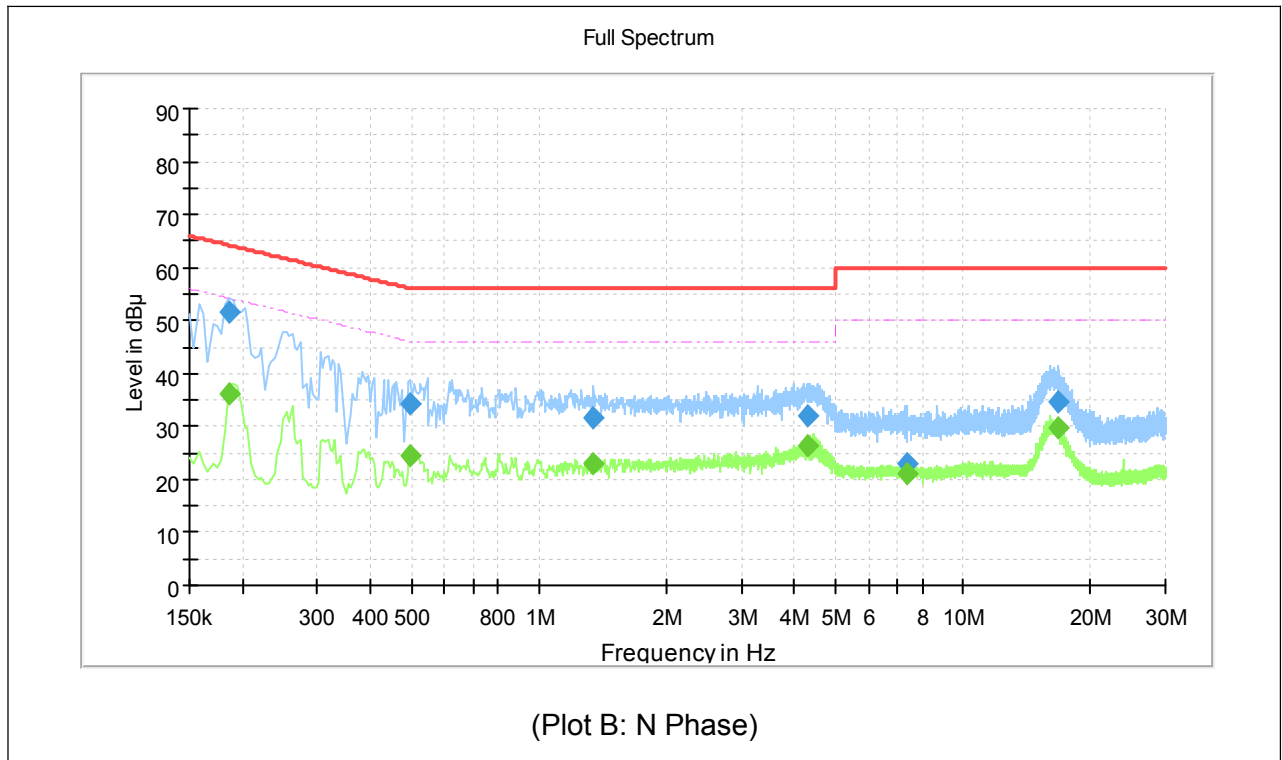
A. Test setup:

The EUT configuration of the emission tests is Charging + BT Link.

B. Test Plots:



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Verdict
0.182000	---	30.83	54.39	23.57	L1	10.2	PASS
0.182000	50.60	---	64.39	13.80	L1	10.2	PASS
0.566000	---	20.28	46.00	25.72	L1	10.2	PASS
0.566000	29.10	---	56.00	26.90	L1	10.2	PASS
1.362000	---	19.64	46.00	26.36	L1	10.3	PASS
1.362000	25.12	---	56.00	30.88	L1	10.3	PASS
4.430000	34.43	---	56.00	21.57	L1	10.4	PASS
4.430000	---	28.18	46.00	17.82	L1	10.4	PASS
10.466000	26.21	---	60.00	33.79	L1	10.6	PASS
10.466000	---	22.90	50.00	27.10	L1	10.6	PASS
15.954000	---	23.14	50.00	26.86	L1	10.8	PASS
15.954000	25.29	---	60.00	34.71	L1	10.8	PASS



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Verdict
0.186000	---	36.32	54.21	17.90	N	10.2	PASS
0.186000	51.67	---	64.21	12.54	N	10.2	PASS
0.498000	---	24.37	46.03	21.66	N	10.2	PASS
0.498000	34.23	---	56.03	21.81	N	10.2	PASS
1.346000	---	22.85	46.00	23.15	N	10.3	PASS
1.346000	31.49	---	56.00	24.51	N	10.3	PASS
4.290000	32.08	---	56.00	23.92	N	10.4	PASS
4.290000	---	26.32	46.00	19.68	N	10.4	PASS
7.378000	23.10	---	60.00	36.90	N	10.4	PASS
7.378000	---	21.18	50.00	28.82	N	10.4	PASS
16.730000	---	29.65	50.00	20.35	N	10.7	PASS
16.730000	34.77	---	60.00	25.23	N	10.7	PASS

2.11. Radiated Emission

2.11.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

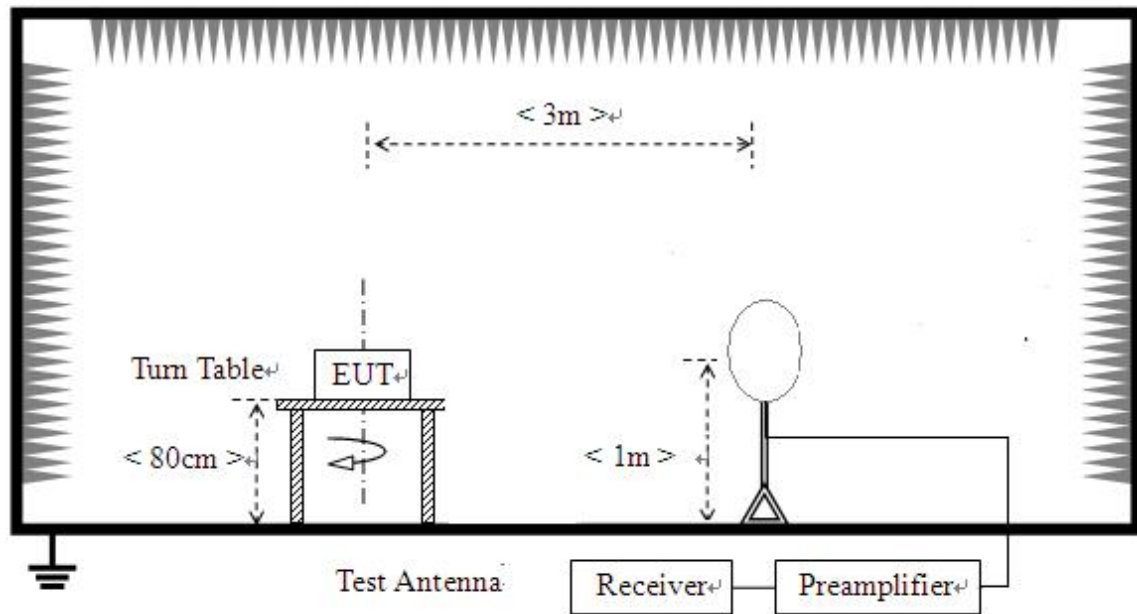
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

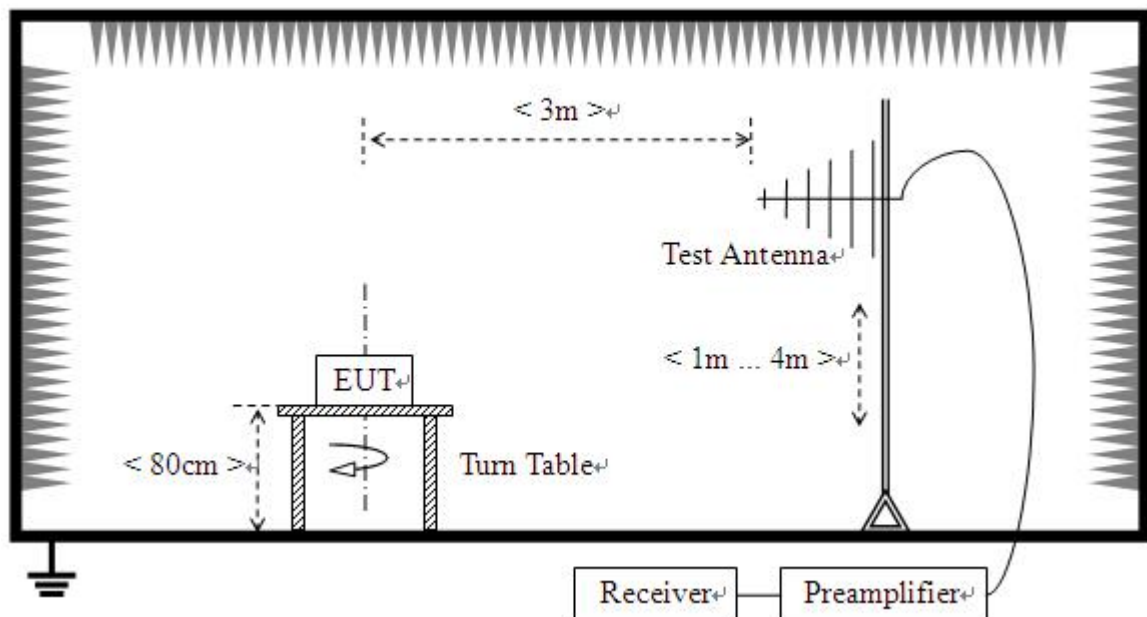
2.11.2. Test Description

A. Test Setup:

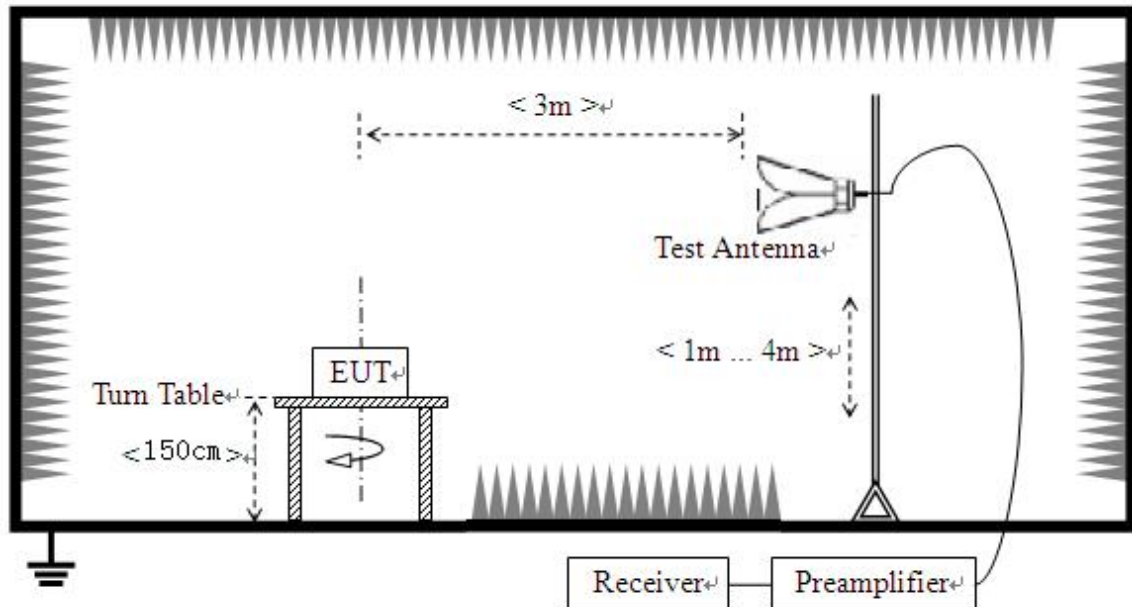
- 1) For radiated emissions from 9kHz to 30MHz



- 2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz



The RF absorbing material used on the reference ground plane and on the turntable have a maximum height (thickness) of 30 cm (12 in) and have a minimum-rated attenuation of 20 dB at all frequencies from 1 GHz to 18 GHz.

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.10 (2013). For radiated emissions below or equal to 1GHz, the EUT was set-up on insulator 80cm above the Ground Plane, For radiated emissions above 1GHz, The EUT was set-up on insulator 150cm above the Ground Plane. The set-up and test methods were according to ANSI C63.10.

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For Radiated emission below 30MHz

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.



- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasipeak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.

B. Equipments List:

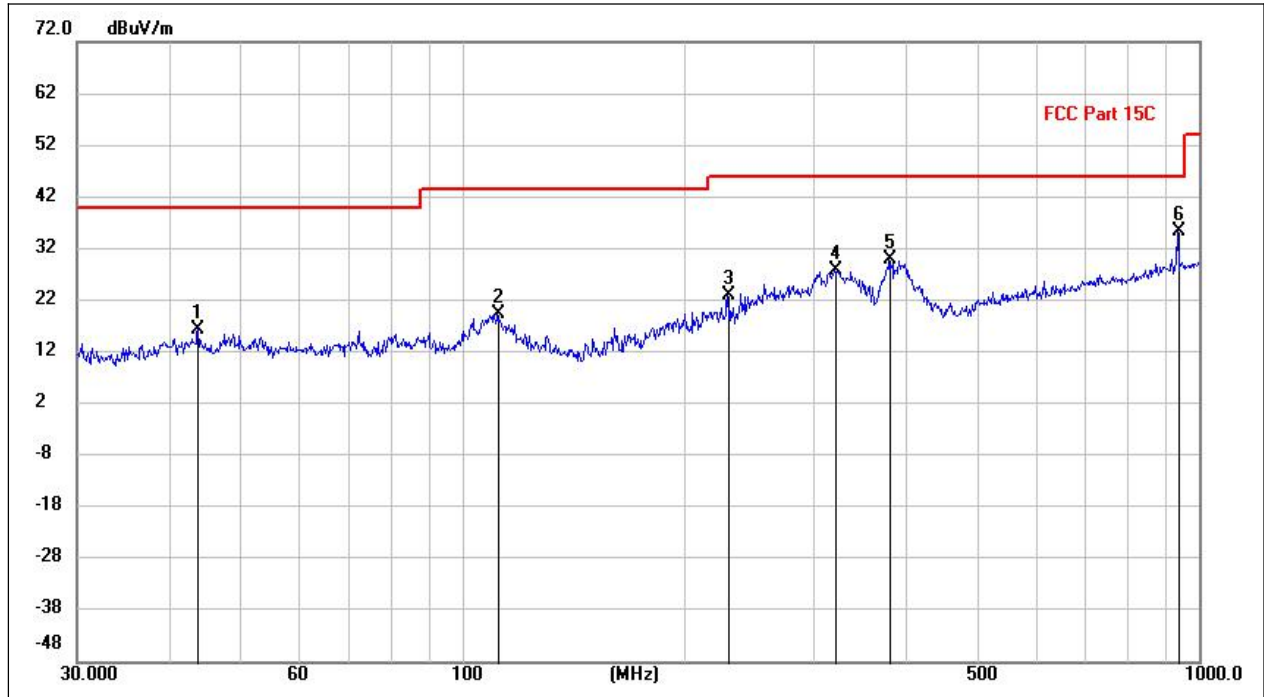
Please refer ANNEX B(4).

2.11.3. Test Result

Note1: For the frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

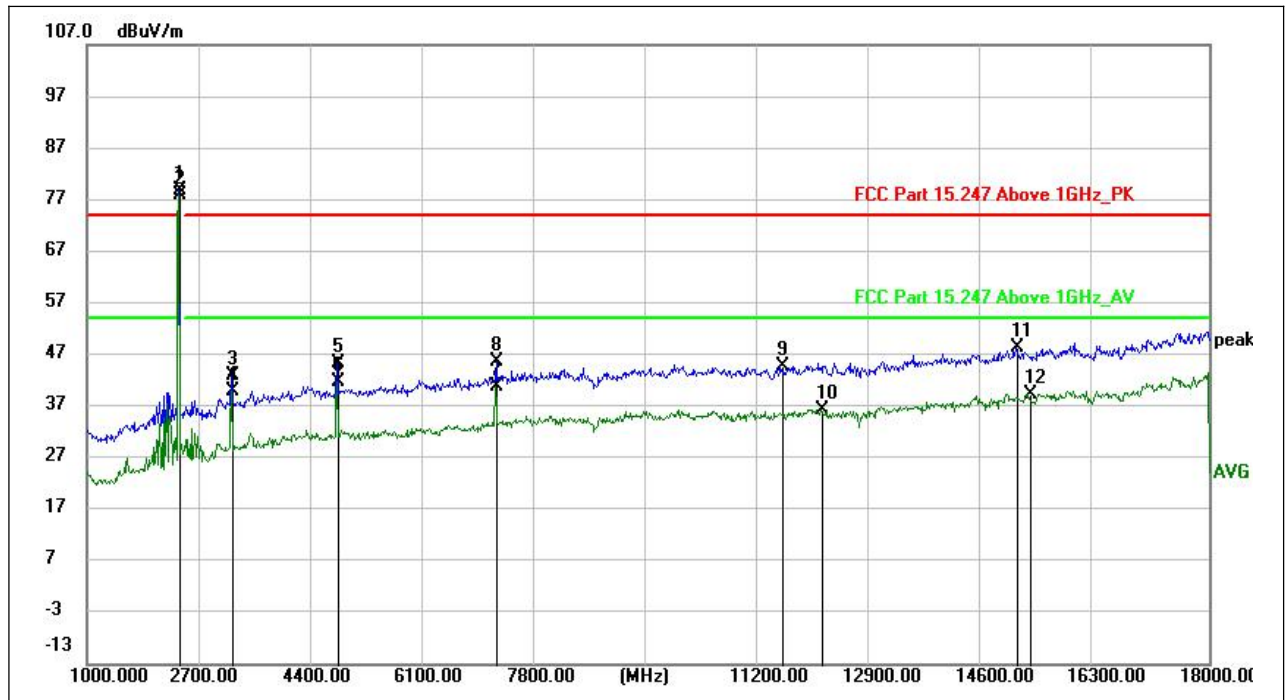
Note2: For the frequency, which started from 18GHz to 25GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

GFSK Test mode



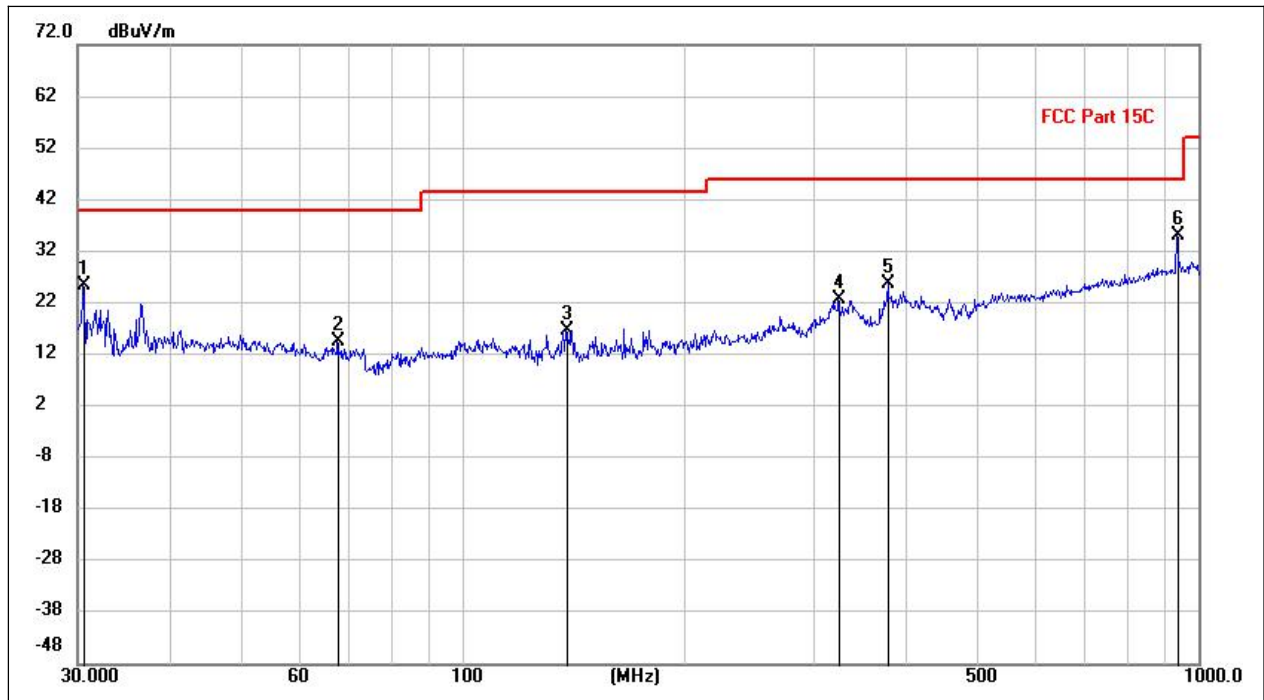
(GFSK_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
43.8119	1.07	15.26	16.33	40.00	-23.67	peak	H
112.0126	5.38	14.13	19.51	43.50	-23.99	peak	H
229.8163	8.73	14.40	23.13	46.00	-22.87	peak	H
320.3860	9.81	17.96	27.77	46.00	-18.23	peak	H
380.7811	10.73	19.11	29.84	46.00	-16.16	peak	H
937.6811	7.20	28.30	35.50	46.00	-10.50	peak	H



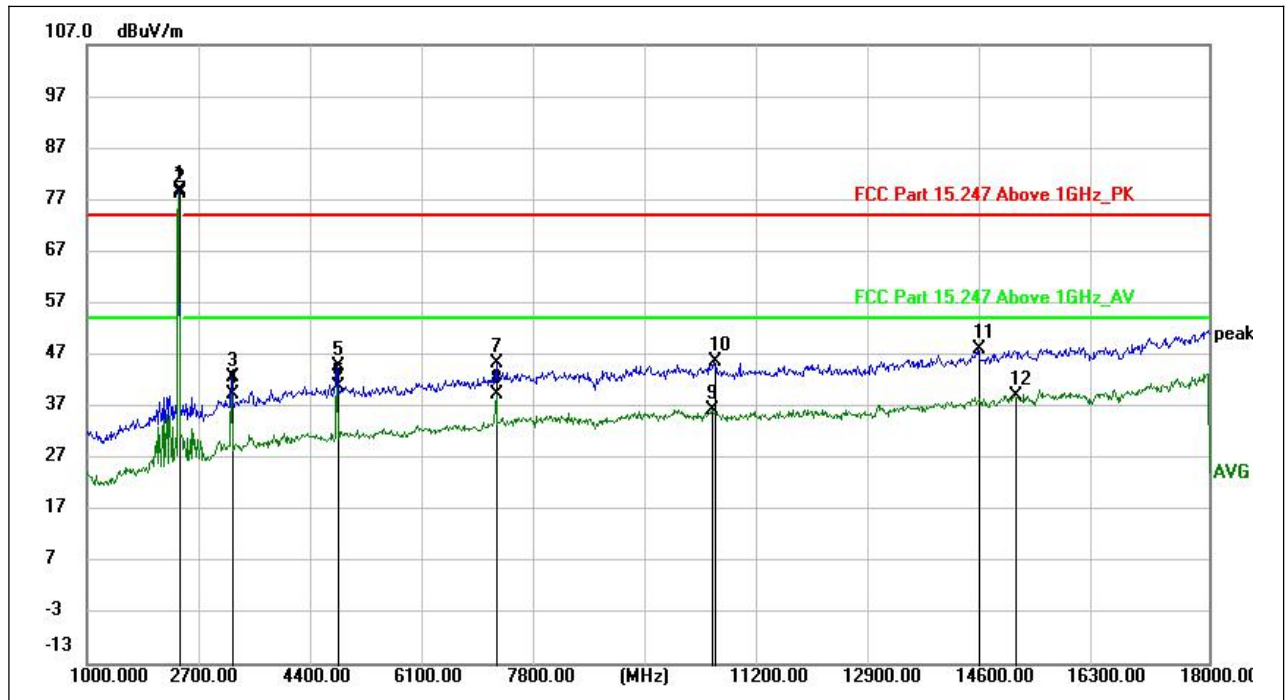
(GFSK_2402MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2401.650	90.96	-12.20	78.76	N/A	N/A	peak	H
2401.650	90.20	-12.20	78.00	N/A	N/A	AVG	H
3202.350	51.27	-8.21	43.06	74.00	-30.94	peak	H
3202.350	48.13	-8.21	39.92	54.00	-14.08	AVG	H
4803.750	49.20	-4.00	45.20	74.00	-28.80	peak	H
4803.750	45.60	-4.00	41.60	54.00	-12.40	AVG	H
7205.850	42.29	-1.51	40.78	54.00	-13.22	AVG	H
7206.700	47.19	-1.50	45.69	74.00	-28.31	peak	H
11524.700	42.44	2.38	44.82	74.00	-29.18	peak	H
12139.250	33.41	2.97	36.38	54.00	-17.62	AVG	H
15079.400	38.92	9.40	48.32	74.00	-25.68	peak	H
15280.850	30.13	9.28	39.41	54.00	-14.59	AVG	H



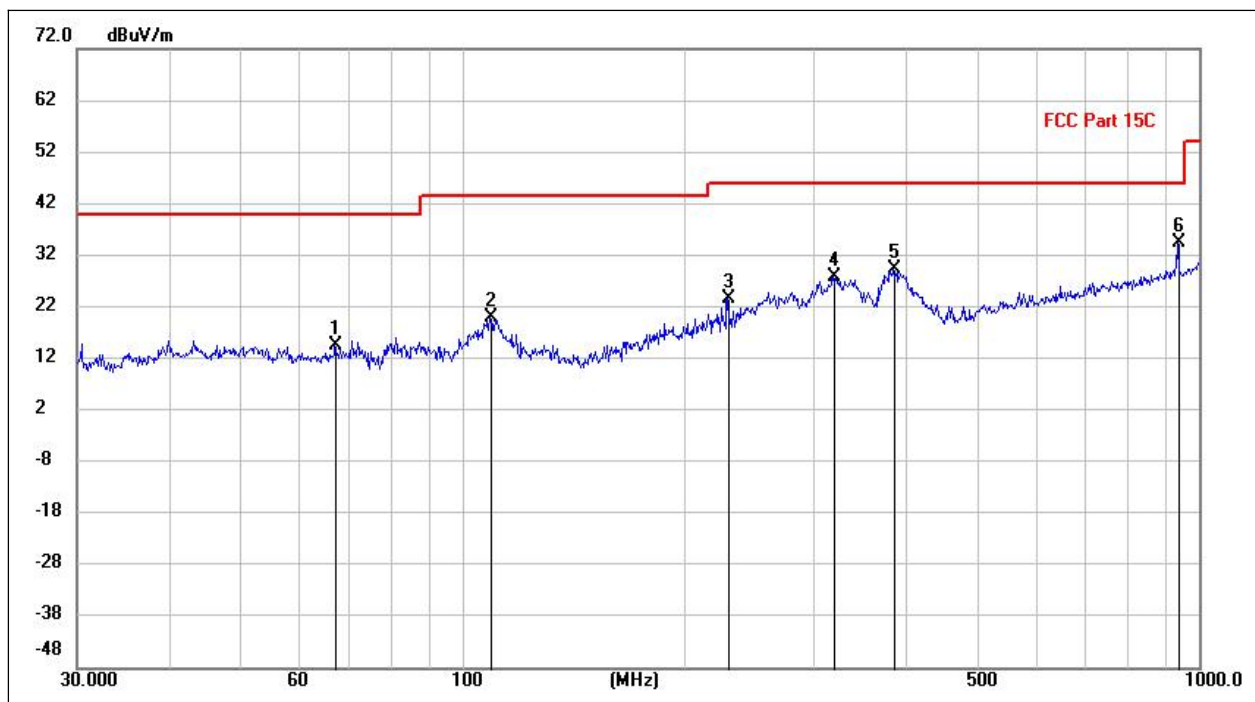
(GFSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.6110	12.51	12.81	25.32	40.00	-14.68	peak	V
67.8652	2.18	12.49	14.67	40.00	-25.33	peak	V
138.6059	4.89	11.64	16.53	43.50	-26.97	peak	V
325.1394	5.07	17.58	22.65	46.00	-23.35	peak	V
379.2486	6.60	19.08	25.68	46.00	-20.32	peak	V
937.6811	6.83	28.30	35.13	46.00	-10.87	peak	V



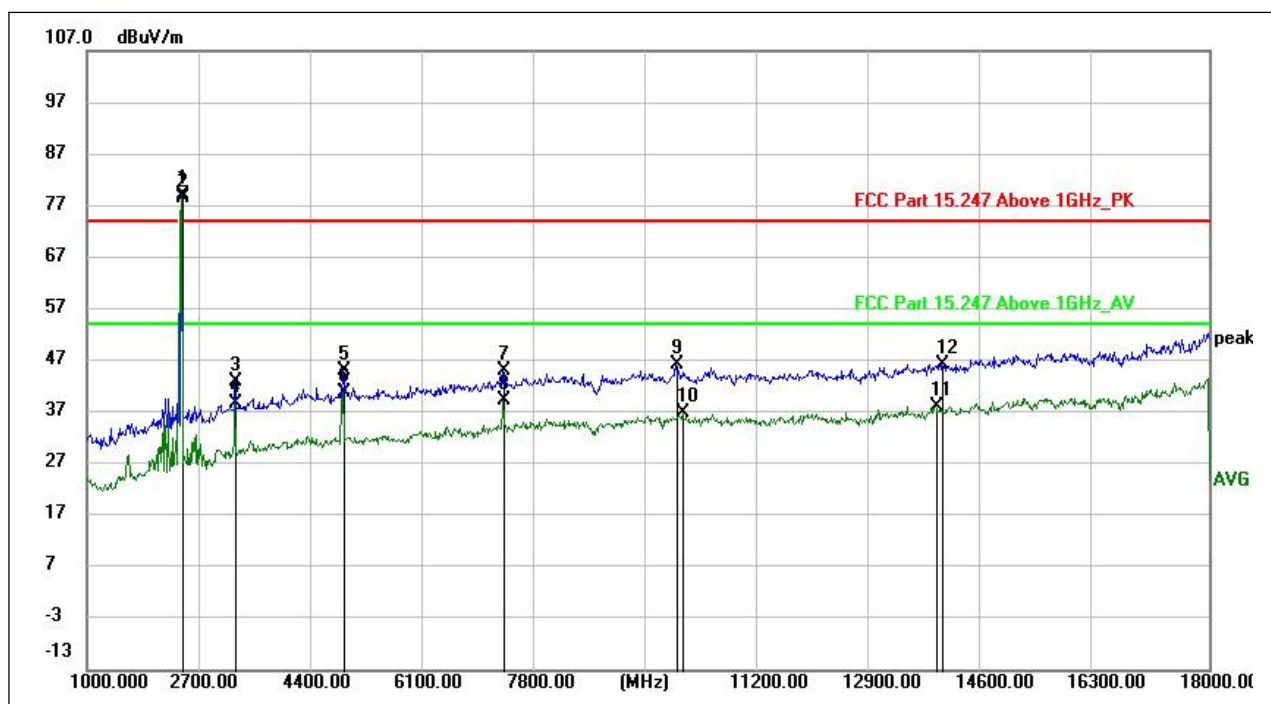
(GFSK_2402MHz, Antenna Vertical , 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2401.650	90.92	-12.20	78.72	N/A	N/A	peak	V
2401.650	90.30	-12.20	78.10	N/A	N/A	AVG	V
3202.350	50.95	-8.21	42.74	74.00	-31.26	peak	V
3202.350	47.62	-8.21	39.41	54.00	-14.59	AVG	V
4803.750	48.87	-4.00	44.87	74.00	-29.13	peak	V
4803.750	44.95	-4.00	40.95	54.00	-13.05	AVG	V
7205.850	46.73	-1.51	45.22	74.00	-28.78	peak	V
7205.850	40.96	-1.51	39.45	54.00	-14.55	AVG	V
10473.250	34.04	2.28	36.32	54.00	-17.68	AVG	V
10512.350	43.25	2.45	45.70	74.00	-28.30	peak	V
14501.400	39.85	8.27	48.12	74.00	-25.88	peak	V
15066.650	29.67	9.32	38.99	54.00	-15.01	AVG	V



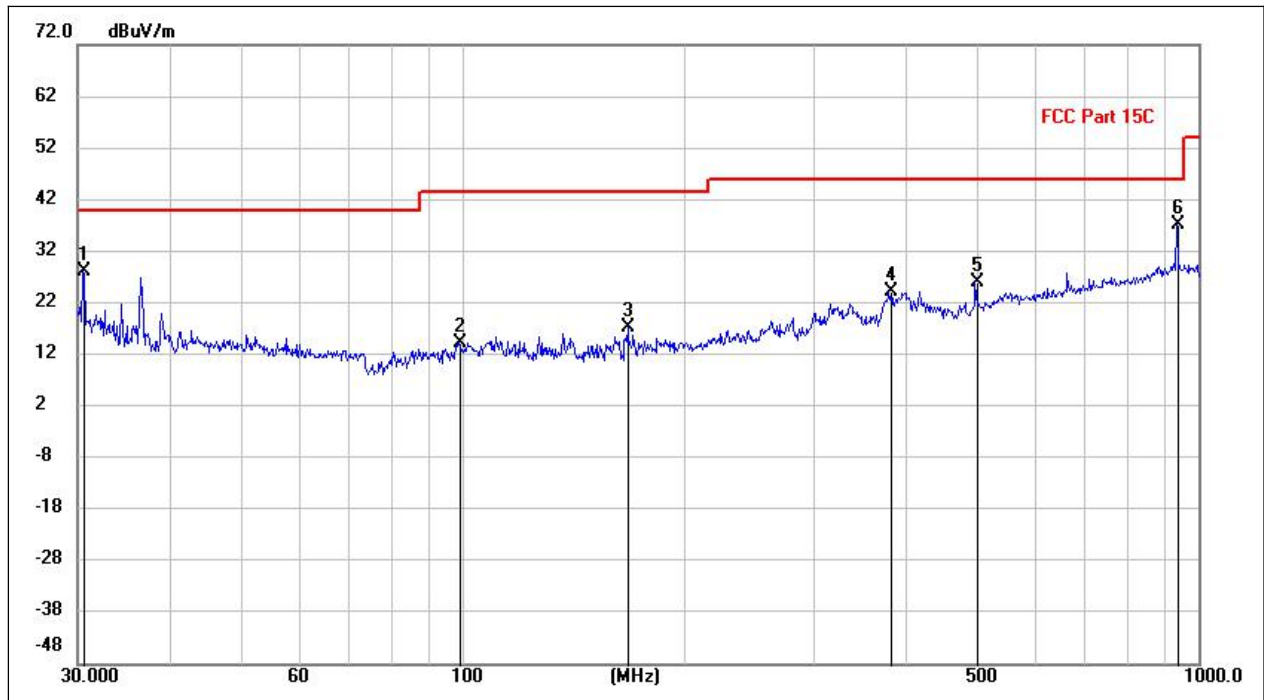
(GFSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
67.3555	1.93	12.62	14.55	40.00	-25.45	peak	H
109.1434	5.03	14.82	19.85	43.50	-23.65	peak	H
229.7760	9.25	14.41	23.66	46.00	-22.34	peak	H
318.8729	9.87	17.81	27.68	46.00	-18.32	peak	H
385.7536	10.87	18.53	29.40	46.00	-16.60	peak	H
937.5167	6.25	28.29	34.54	46.00	-11.46	peak	H



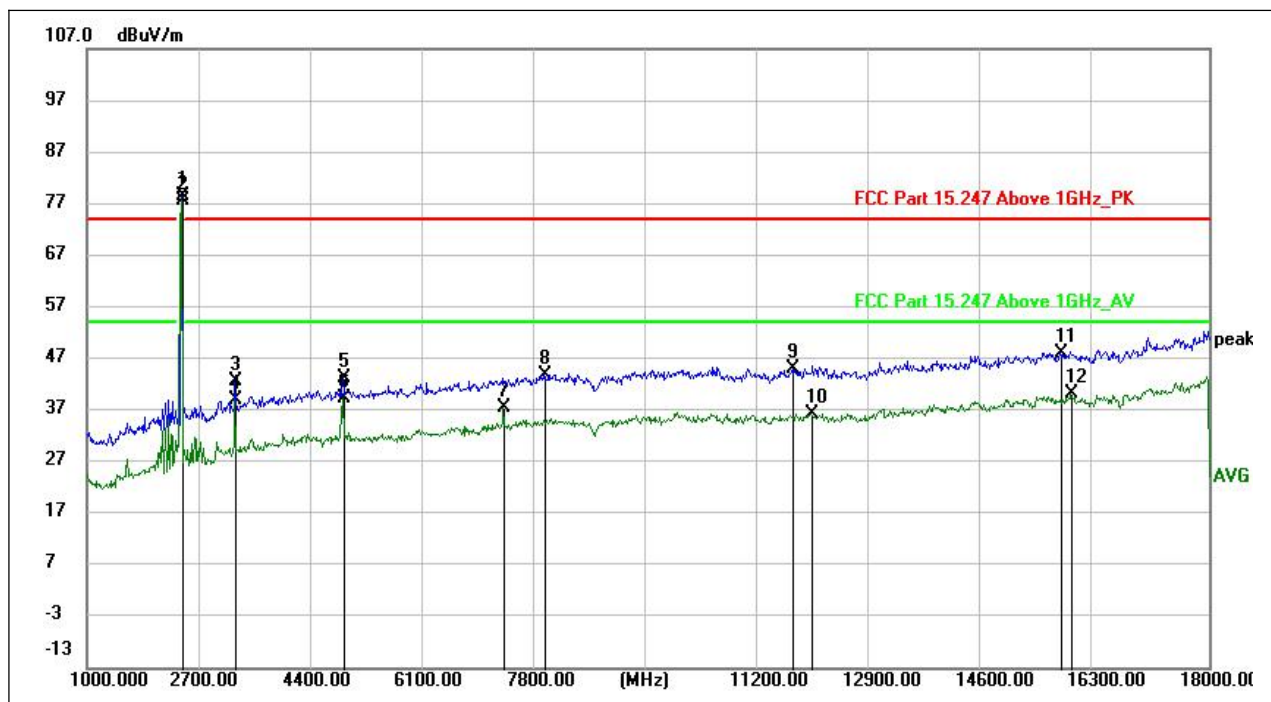
(GFSK_2440MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2440.750	90.81	-11.82	78.99	N/A	N/A	peak	H
2440.750	90.20	-11.82	78.38	N/A	N/A	AVG	H
3254.200	50.90	-8.12	42.78	74.00	-31.22	peak	H
3254.200	46.83	-8.12	38.71	54.00	-15.29	AVG	H
4881.950	48.87	-3.97	44.90	74.00	-29.10	peak	H
4881.950	44.90	-3.97	40.93	54.00	-13.07	AVG	H
7323.150	46.25	-1.35	44.90	74.00	-29.10	peak	H
7323.150	40.64	-1.35	39.29	54.00	-14.71	AVG	H
9930.100	45.11	1.11	46.22	74.00	-27.78	peak	H
10043.150	35.72	1.03	36.75	54.00	-17.25	AVG	H
13864.750	31.59	6.50	38.09	54.00	-15.91	AVG	H
13957.400	39.30	7.08	46.38	74.00	-27.62	peak	H



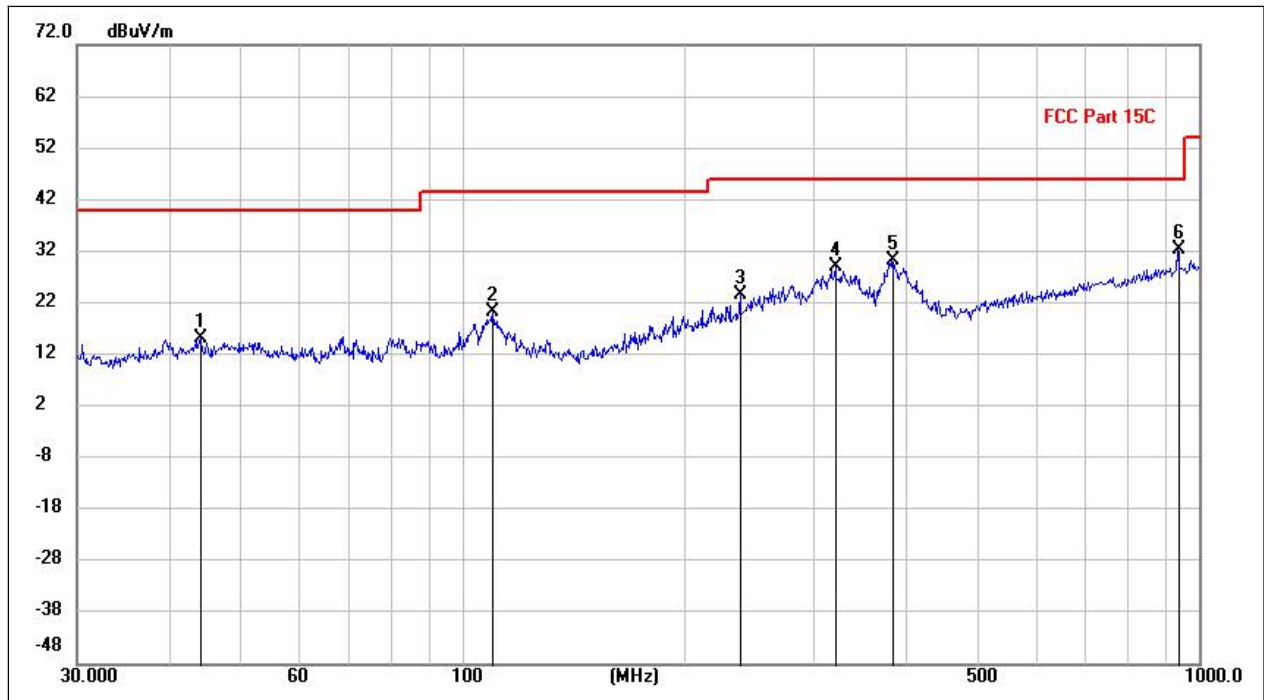
(GFSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.6003	15.40	12.83	28.23	40.00	-11.77	peak	V
98.8672	-0.13	14.26	14.13	43.50	-29.37	peak	V
168.0009	5.38	11.94	17.32	43.50	-26.18	peak	V
381.2487	5.23	19.06	24.29	46.00	-21.71	peak	V
499.4247	4.08	21.89	25.97	46.00	-20.03	peak	V
937.6811	8.76	28.30	37.06	46.00	-8.94	peak	V



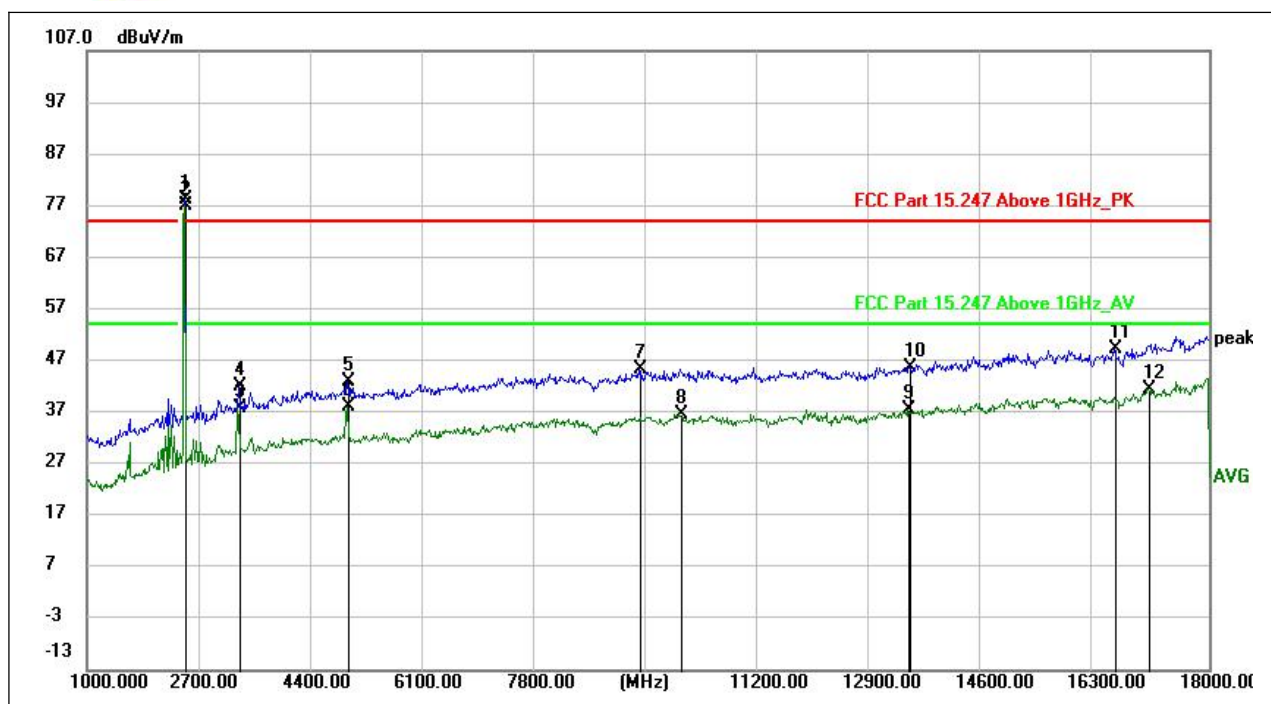
(GFSK_2440MHz, Antenna Vertical , 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2440.750	90.24	-11.82	78.42	N/A	N/A	peak	V
2440.750	89.50	-11.82	77.68	N/A	N/A	AVG	V
3254.200	50.77	-8.12	42.65	74.00	-31.35	peak	V
3254.200	47.12	-8.12	39.00	54.00	-15.00	AVG	V
4881.950	47.26	-3.97	43.29	74.00	-30.71	peak	V
4881.950	43.31	-3.97	39.34	54.00	-14.66	AVG	V
7322.300	38.96	-1.35	37.61	54.00	-16.39	AVG	V
7928.350	44.37	-0.54	43.83	74.00	-30.17	peak	V
11704.050	42.22	2.90	45.12	74.00	-28.88	peak	V
11983.700	32.71	3.52	36.23	54.00	-17.77	AVG	V
15752.600	38.42	9.56	47.98	74.00	-26.02	peak	V
15925.150	29.83	10.32	40.15	54.00	-13.85	AVG	V



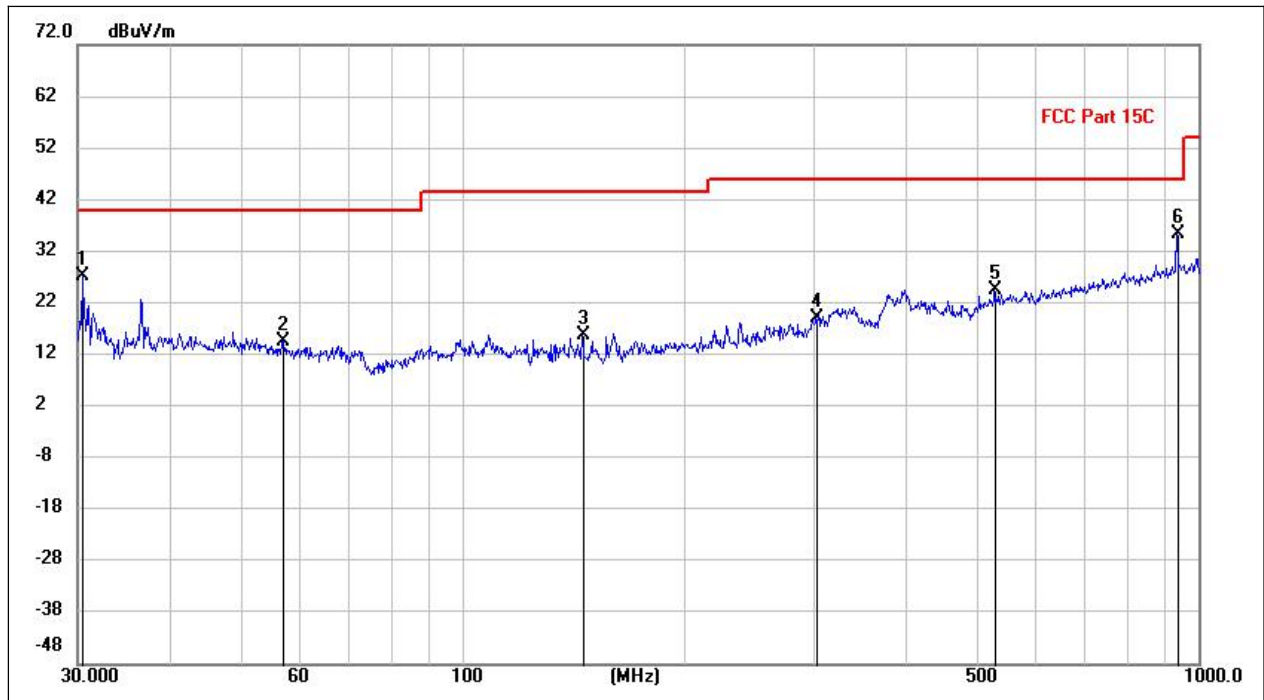
(GFSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
44.1280	-0.09	15.28	15.19	40.00	-24.81	peak	H
110.0465	5.43	14.95	20.38	43.50	-23.12	peak	H
238.9796	8.54	15.09	23.63	46.00	-22.37	peak	H
322.0756	11.24	17.81	29.05	46.00	-16.95	peak	H
383.1249	11.41	18.84	30.25	46.00	-15.75	peak	H
937.5167	4.09	28.29	32.38	46.00	-13.62	peak	H



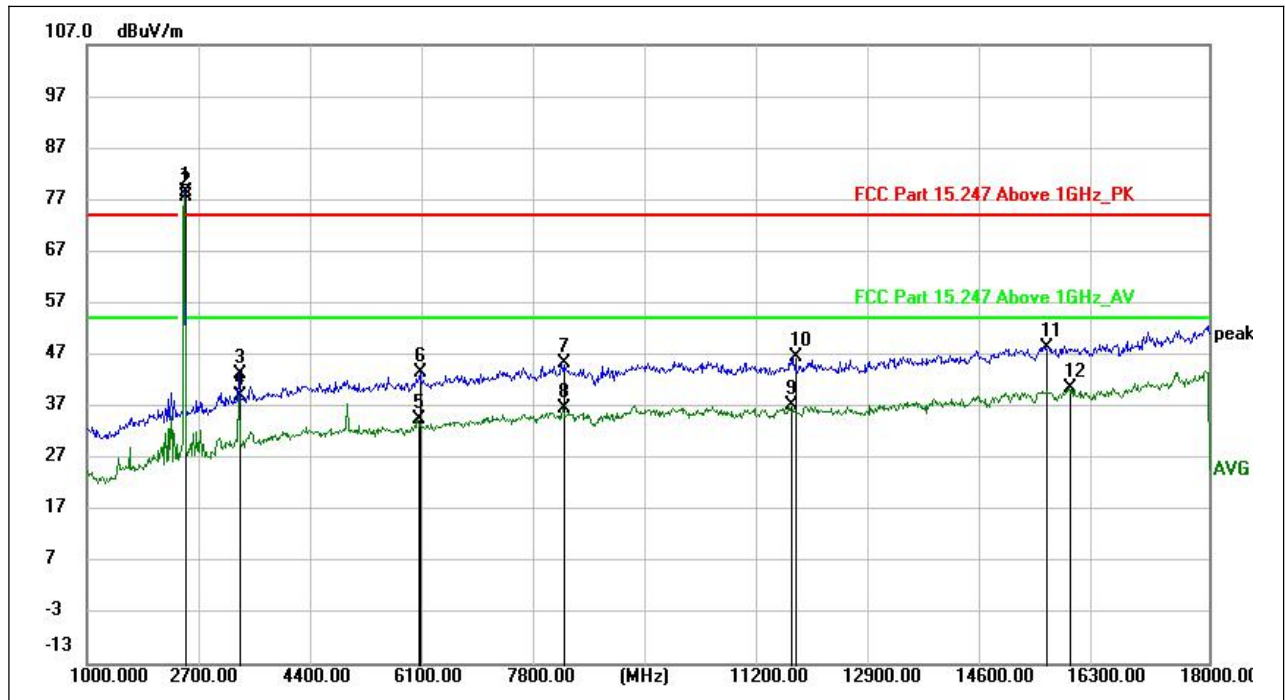
(GFSK_2480MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	89.29	-11.21	78.08	N/A	N/A	peak	H
2479.850	88.33	-11.21	77.12	N/A	N/A	AVG	H
3306.050	45.37	-7.70	37.67	54.00	-16.33	AVG	H
3306.900	49.60	-7.70	41.90	74.00	-32.10	peak	H
4960.150	46.43	-3.55	42.88	74.00	-31.12	peak	H
4960.150	41.63	-3.55	38.08	54.00	-15.92	AVG	H
9384.400	44.44	0.77	45.21	74.00	-28.79	peak	H
9999.800	35.54	1.00	36.54	54.00	-17.46	AVG	H
13449.100	31.97	5.54	37.51	54.00	-16.49	AVG	H
13477.150	40.14	5.63	45.77	74.00	-28.23	peak	H
16578.800	38.17	10.96	49.13	74.00	-24.87	peak	H
17087.950	30.31	11.10	41.41	54.00	-12.59	AVG	H



(GFSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

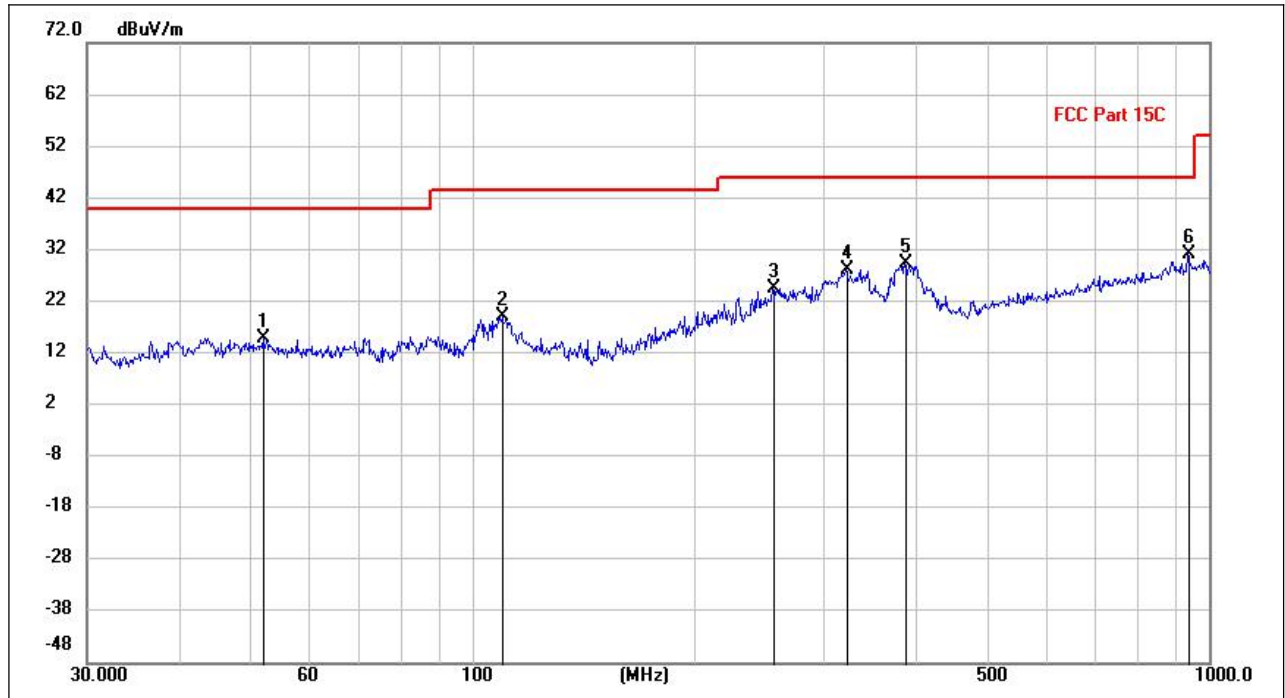
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5146	14.12	12.98	27.10	40.00	-12.90	peak	V
57.1914	0.08	14.51	14.59	40.00	-25.41	peak	V
145.5801	5.35	10.44	15.79	43.50	-27.71	peak	V
302.5342	1.77	17.17	18.94	46.00	-27.06	peak	V
528.3384	2.39	22.18	24.57	46.00	-21.43	peak	V
937.5167	6.95	28.29	35.24	46.00	-10.76	peak	V



(GFSK_2480MHz, Antenna Vertical , 1GHz to 18GHz)

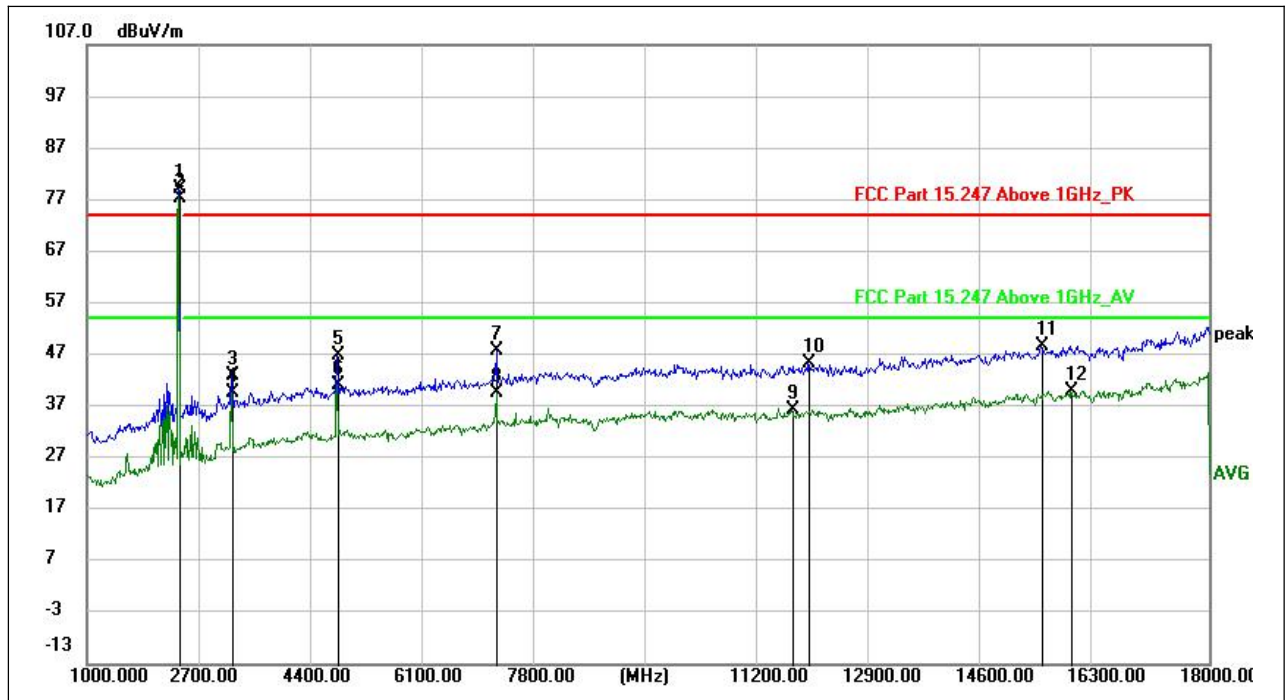
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	89.59	-11.21	78.38	N/A	N/A	peak	V
2479.850	88.71	-11.21	77.50	N/A	N/A	AVG	V
3306.050	50.85	-7.70	43.15	74.00	-30.85	peak	V
3306.050	46.71	-7.70	39.01	54.00	-14.99	AVG	V
6020.950	36.75	-2.32	34.43	54.00	-19.57	AVG	V
6060.900	45.81	-2.31	43.50	74.00	-30.50	peak	V
8214.800	45.53	-0.23	45.30	74.00	-28.70	peak	V
8229.250	36.68	-0.21	36.47	54.00	-17.53	AVG	V
11669.200	34.40	2.72	37.12	54.00	-16.88	AVG	V
11728.700	43.76	2.85	46.61	74.00	-27.39	peak	V
15521.400	38.41	9.97	48.38	74.00	-25.62	peak	V
15894.550	30.25	10.27	40.52	54.00	-13.48	AVG	V

$\pi/4$ -DQPSK Test mode



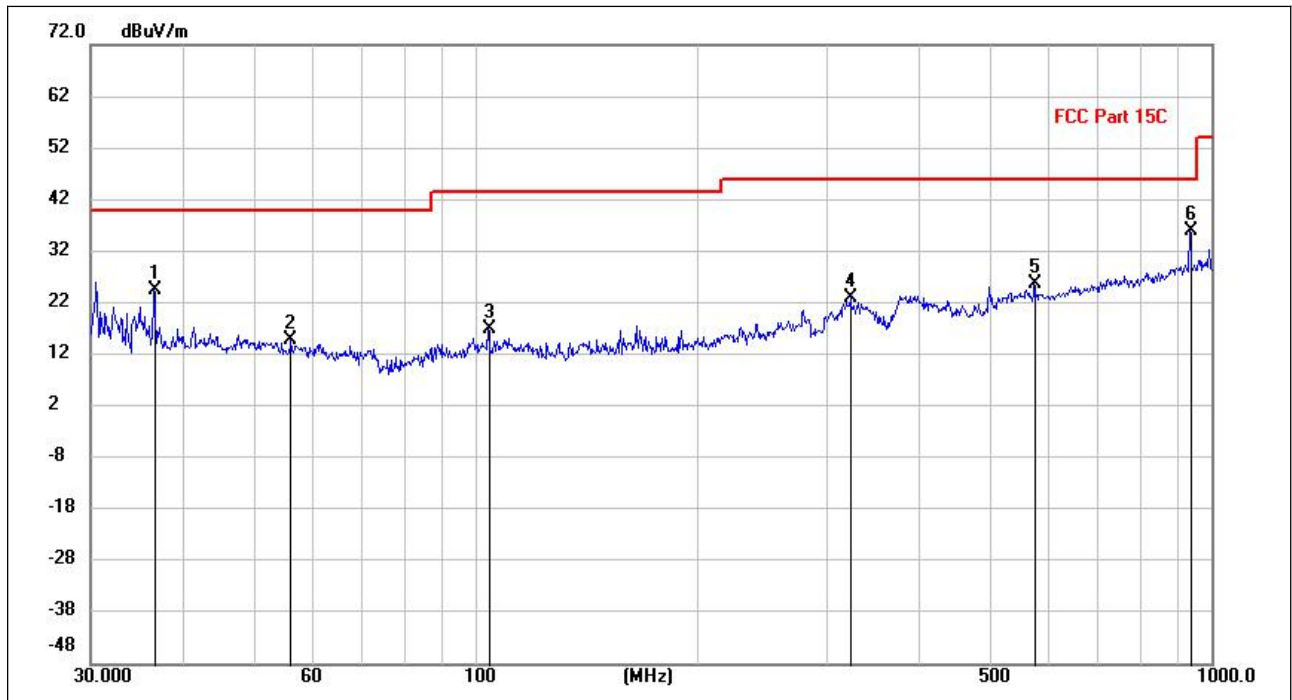
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
52.1256	-0.51	15.42	14.91	40.00	-25.09	peak	H
109.8537	4.11	14.96	19.07	43.50	-24.43	peak	H
256.3412	9.19	15.28	24.47	46.00	-21.53	peak	H
322.2451	10.45	17.81	28.26	46.00	-17.74	peak	H
387.1086	10.93	18.38	29.31	46.00	-16.69	peak	H
937.5167	2.94	28.29	31.23	46.00	-14.77	peak	H



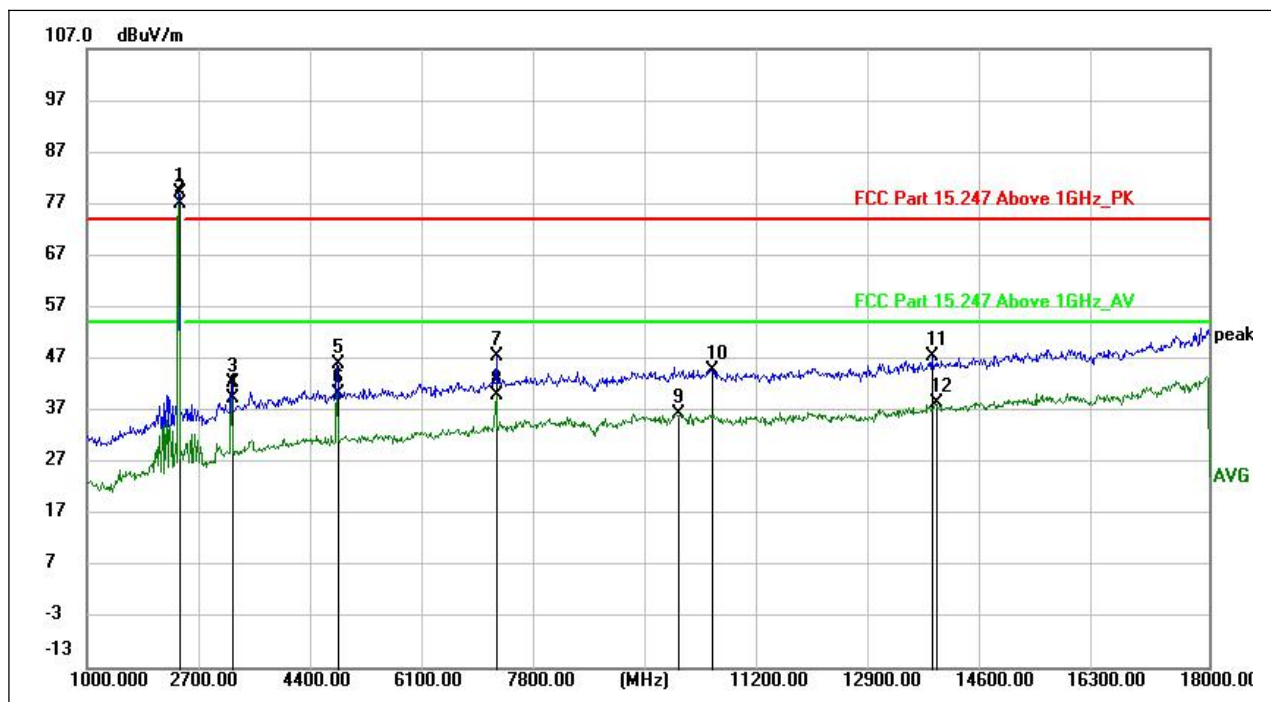
($\pi/4$ -DQPSK_2402MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2401.650	91.28	-12.20	79.08	N/A	N/A	peak	H
2401.650	89.45	-12.20	77.25	N/A	N/A	AVG	H
3202.350	51.11	-8.21	42.90	74.00	-31.10	peak	H
3202.350	47.78	-8.21	39.57	54.00	-14.43	AVG	H
4803.750	50.92	-4.00	46.92	74.00	-27.08	peak	H
4803.750	45.19	-4.00	41.19	54.00	-12.81	AVG	H
7205.850	49.37	-1.51	47.86	74.00	-26.14	peak	H
7205.850	41.16	-1.51	39.65	54.00	-14.35	AVG	H
11696.400	33.29	2.93	36.22	54.00	-17.78	AVG	H
11942.050	42.53	2.76	45.29	74.00	-28.71	peak	H
15472.950	38.21	10.32	48.53	74.00	-25.47	peak	H
15922.600	29.49	10.38	39.87	54.00	-14.13	AVG	H



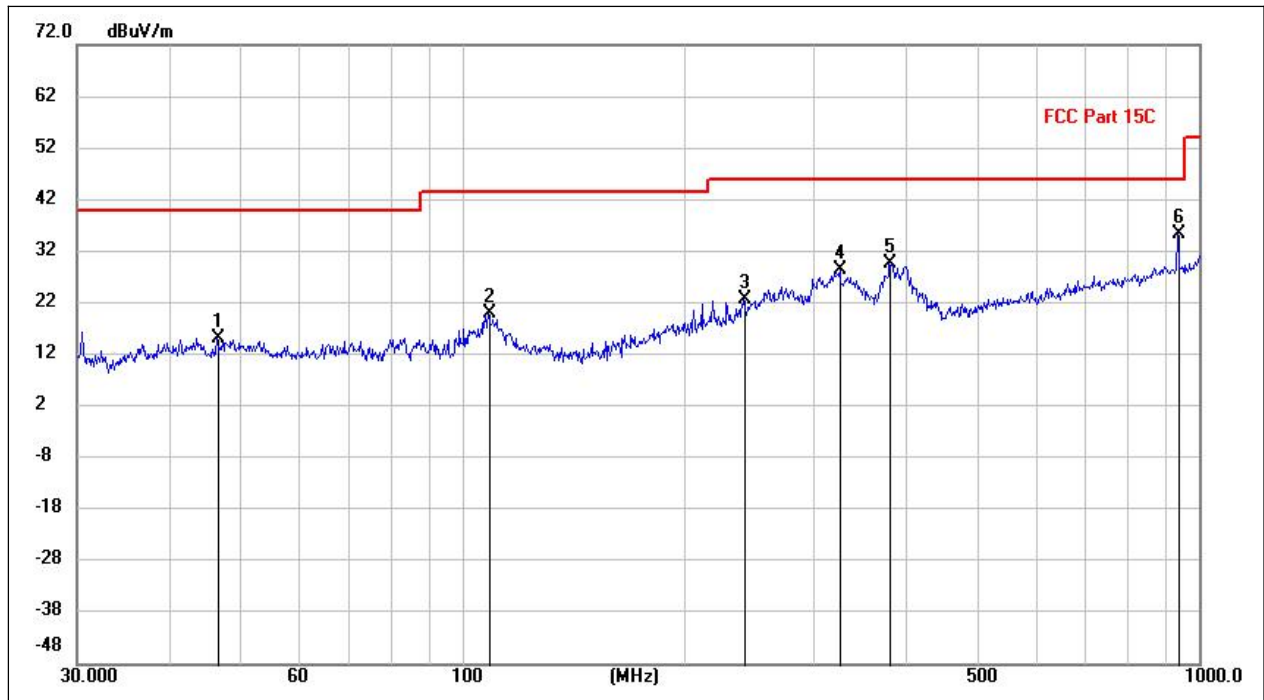
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
36.6825	11.00	13.42	24.42	40.00	-15.58	peak	V
56.1974	-0.01	14.80	14.79	40.00	-25.21	peak	V
104.2798	2.56	14.27	16.83	43.50	-26.67	peak	V
323.7174	5.16	17.73	22.89	46.00	-23.11	peak	V
576.5433	2.71	23.03	25.74	46.00	-20.26	peak	V
937.6811	7.79	28.30	36.09	46.00	-9.91	peak	V



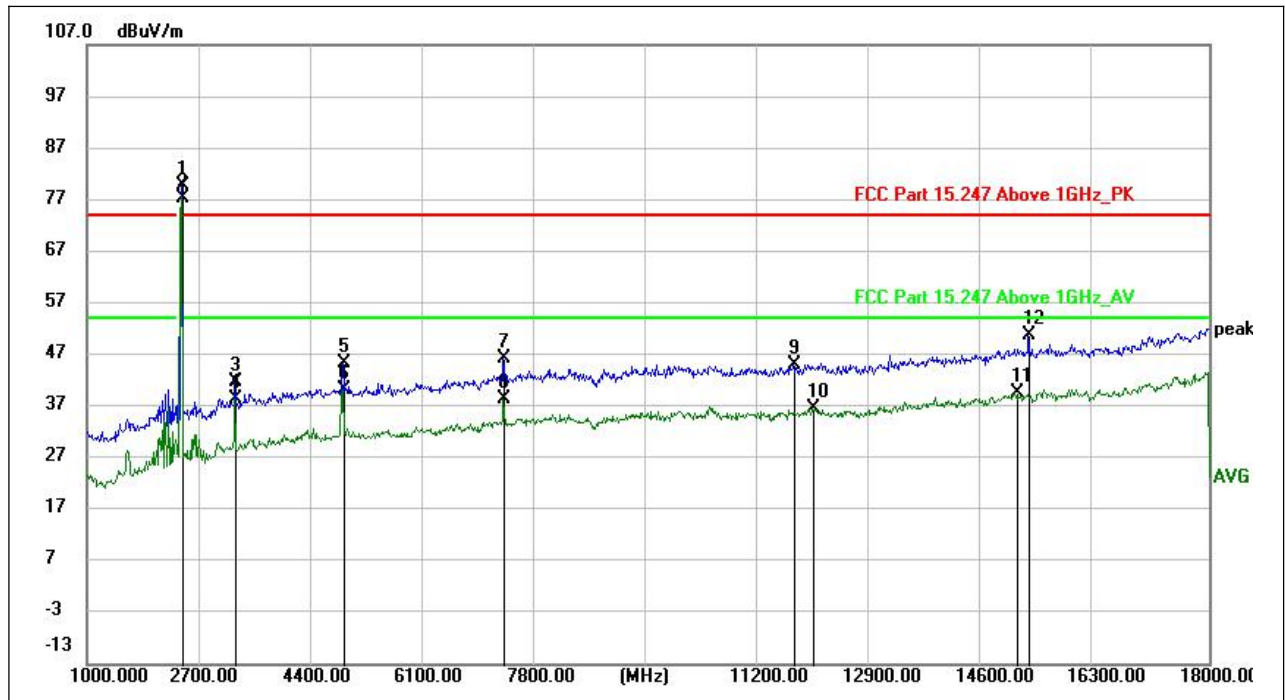
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical , 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2401.650	91.28	-12.20	79.08	N/A	N/A	peak	V
2401.650	89.16	-12.20	76.96	N/A	N/A	AVG	V
3202.350	50.65	-8.21	42.44	74.00	-31.56	peak	V
3202.350	47.65	-8.21	39.44	54.00	-14.56	AVG	V
4803.750	49.89	-4.00	45.89	74.00	-28.11	peak	V
4803.750	44.36	-4.00	40.36	54.00	-13.64	AVG	V
7205.850	48.88	-1.51	47.37	74.00	-26.63	peak	V
7205.850	41.50	-1.51	39.99	54.00	-14.01	AVG	V
9953.050	34.61	1.58	36.19	54.00	-17.81	AVG	V
10473.250	42.53	2.28	44.81	74.00	-29.19	peak	V
13808.650	41.13	6.22	47.35	74.00	-26.65	peak	V
13873.250	31.79	6.52	38.31	54.00	-15.69	AVG	V



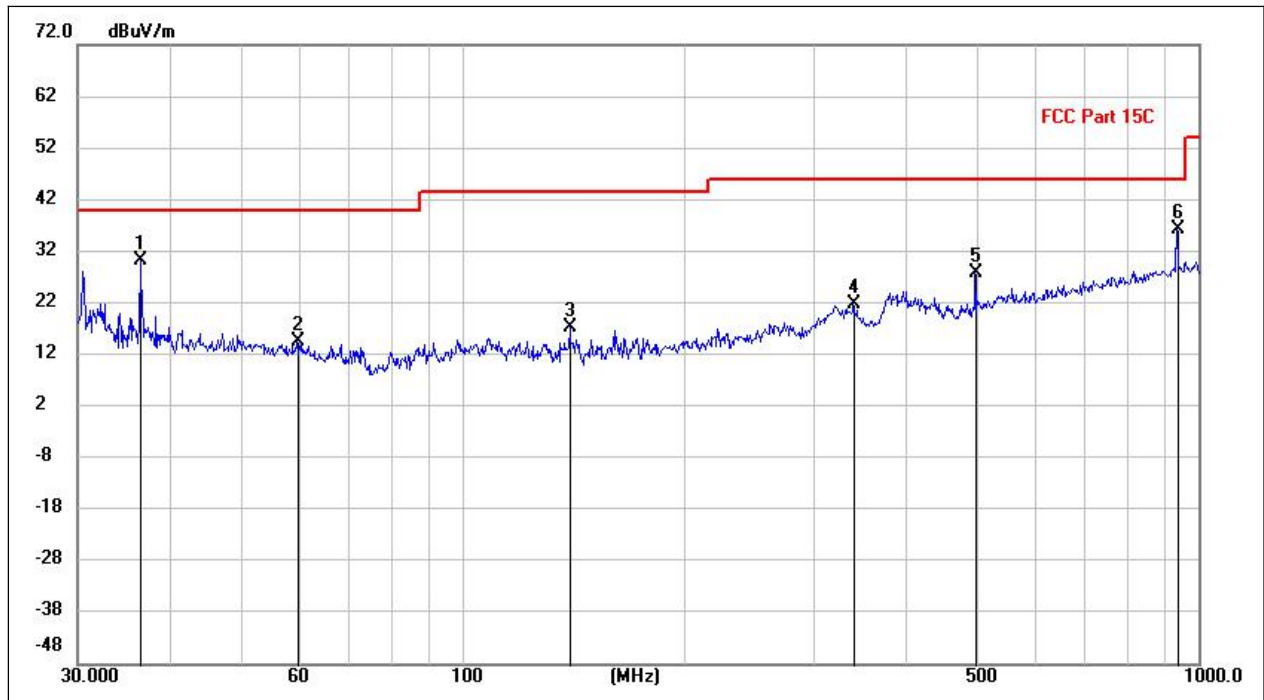
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
46.6255	-0.42	15.48	15.06	40.00	-24.94	peak	H
108.8949	5.27	14.76	20.03	43.50	-23.47	peak	H
241.3376	7.48	15.14	22.62	46.00	-23.38	peak	H
325.7100	11.05	17.50	28.55	46.00	-17.45	peak	H
379.9808	10.40	19.20	29.60	46.00	-16.40	peak	H
937.5167	7.11	28.29	35.40	46.00	-10.60	peak	H



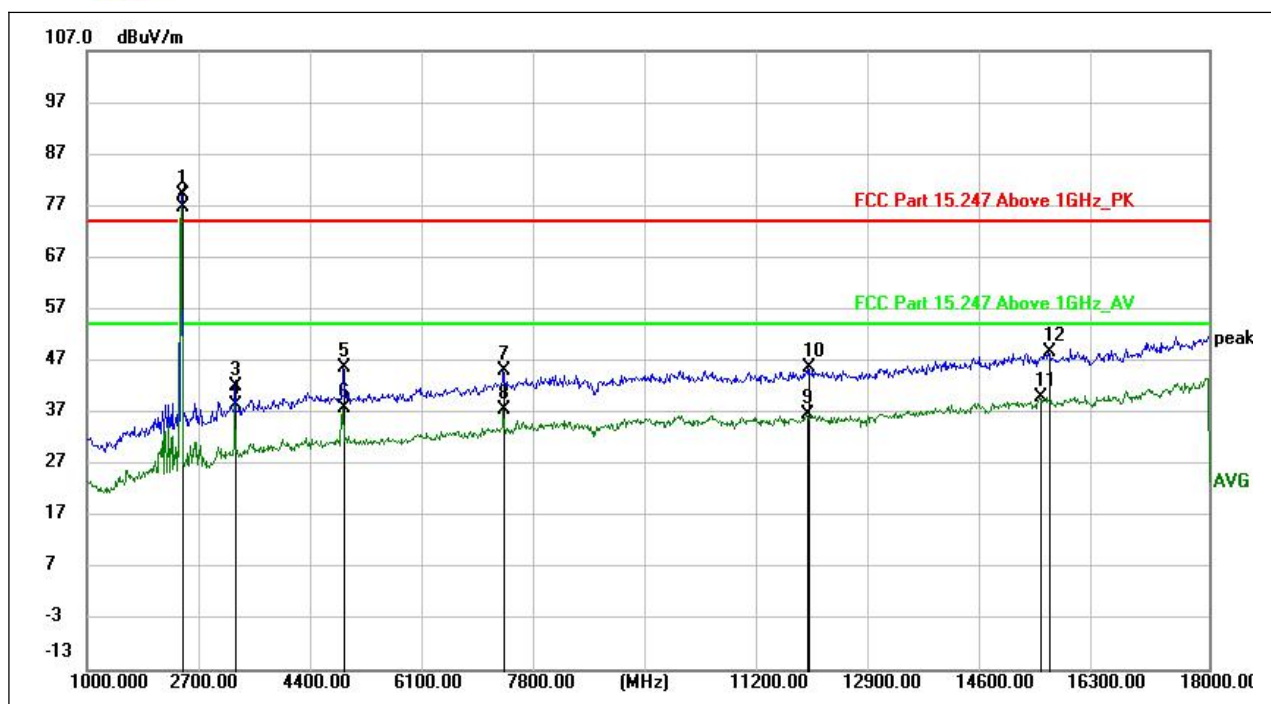
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2440.750	91.52	-11.82	79.70	N/A	N/A	peak	H
2440.750	89.03	-11.82	77.21	N/A	N/A	AVG	H
3254.200	49.91	-8.12	41.79	74.00	-32.21	peak	H
3254.200	46.48	-8.12	38.36	54.00	-15.64	AVG	H
4881.950	49.33	-3.97	45.36	74.00	-28.64	peak	H
4881.950	44.04	-3.97	40.07	54.00	-13.93	AVG	H
7323.150	47.70	-1.35	46.35	74.00	-27.65	peak	H
7323.150	39.87	-1.35	38.52	54.00	-15.48	AVG	H
11718.500	42.26	2.88	45.14	74.00	-28.86	peak	H
12007.500	33.46	3.01	36.47	54.00	-17.53	AVG	H
15078.550	30.10	9.42	39.52	54.00	-14.48	AVG	H
15278.300	41.57	9.32	50.89	74.00	-23.11	peak	H



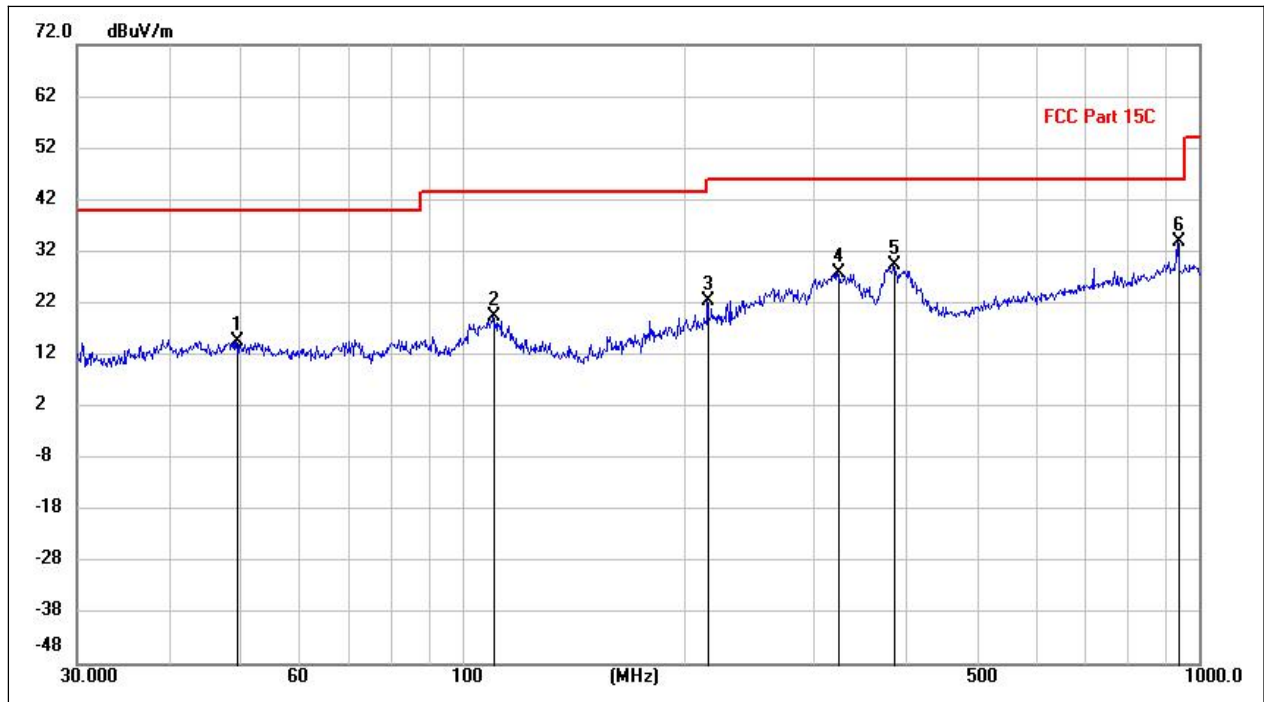
($\pi/4$ -DQPSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
36.5925	16.74	13.37	30.11	40.00	-9.89	peak	V
59.6807	-0.33	14.80	14.47	40.00	-25.53	peak	V
140.0226	5.36	12.05	17.41	43.50	-26.09	peak	V
339.7675	3.44	18.23	21.67	46.00	-24.33	peak	V
498.9871	6.00	21.81	27.81	46.00	-18.19	peak	V
937.5167	8.11	28.29	36.40	46.00	-9.60	peak	V



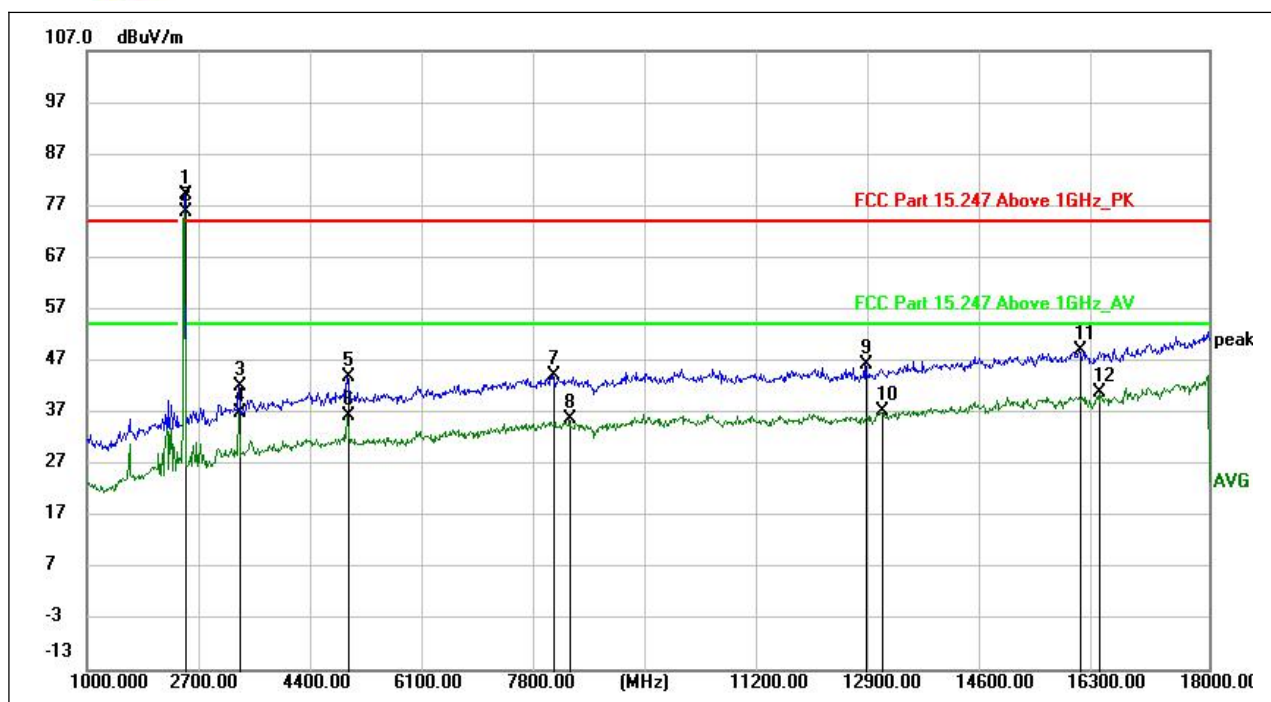
($\pi/4$ -DQPSK_2440MHz, Antenna Vertical , 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2440.750	91.02	-11.82	79.20	N/A	N/A	peak	V
2440.750	88.57	-11.82	76.75	N/A	N/A	AVG	V
3254.200	50.20	-8.12	42.08	74.00	-31.92	peak	V
3254.200	46.55	-8.12	38.43	54.00	-15.57	AVG	V
4881.950	49.55	-3.97	45.58	74.00	-28.42	peak	V
4881.950	41.79	-3.97	37.82	54.00	-16.18	AVG	V
7323.150	46.53	-1.35	45.18	74.00	-28.82	peak	V
7323.150	38.88	-1.35	37.53	54.00	-16.47	AVG	V
11907.200	33.43	3.08	36.51	54.00	-17.49	AVG	V
11938.650	42.39	3.23	45.62	74.00	-28.38	peak	V
15445.750	30.29	9.69	39.98	54.00	-14.02	AVG	V
15583.450	38.98	9.76	48.74	74.00	-25.26	peak	V



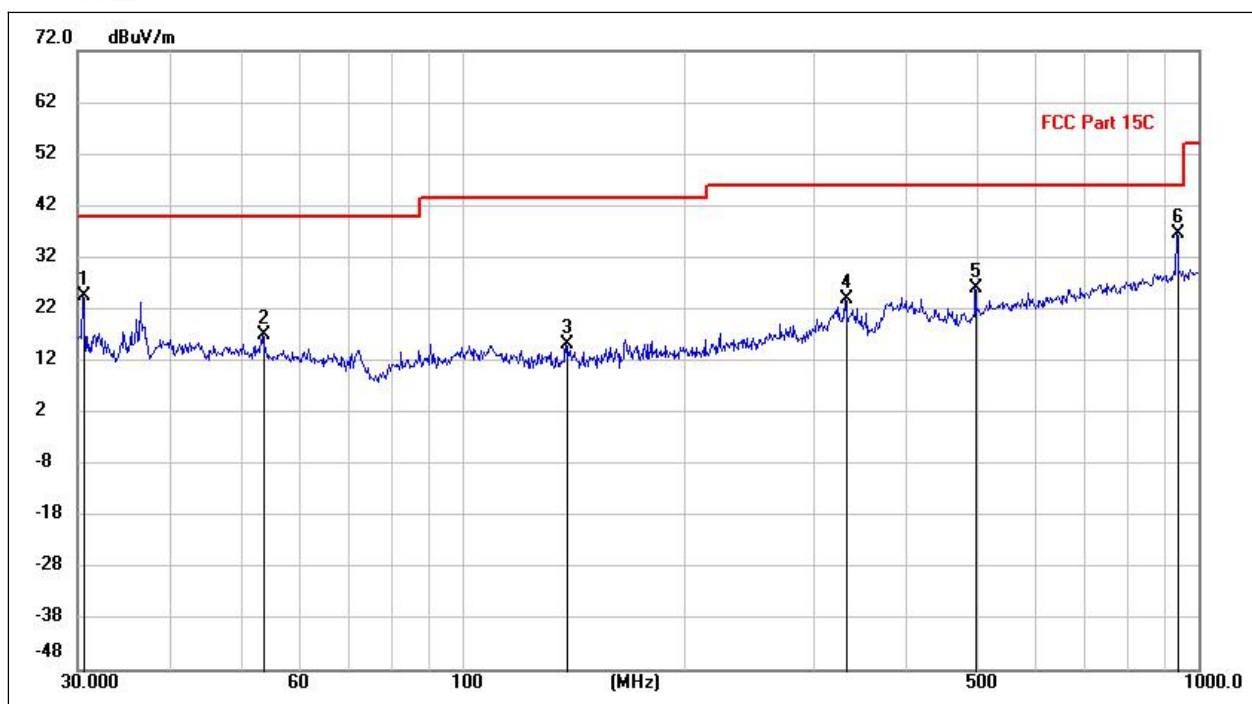
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
49.3681	-1.10	15.80	14.70	40.00	-25.30	peak	H
110.4137	4.53	14.77	19.30	43.50	-24.20	peak	H
215.9483	8.56	13.79	22.35	43.50	-21.15	peak	H
323.7742	10.22	17.72	27.94	46.00	-18.06	peak	H
386.3628	10.97	18.46	29.43	46.00	-16.57	peak	H
937.5167	5.47	28.29	33.76	46.00	-12.24	peak	H



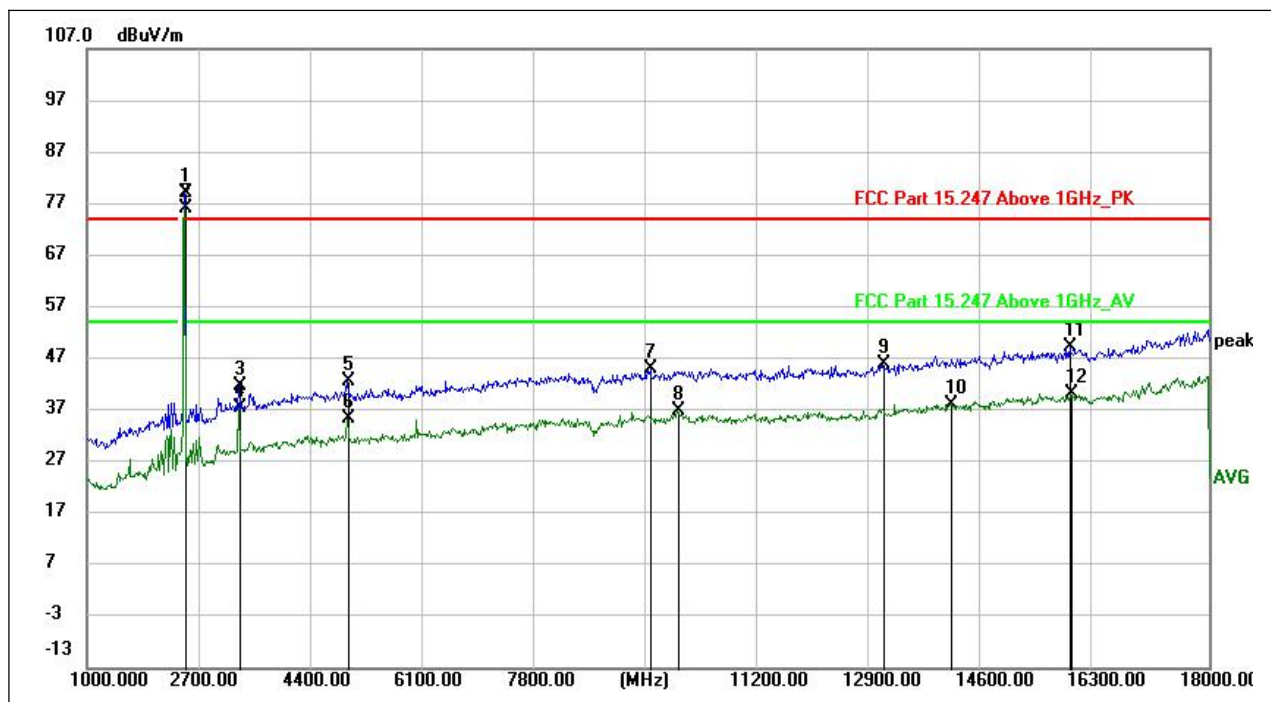
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	90.26	-11.21	79.05	N/A	N/A	peak	H
2479.850	87.03	-11.21	75.82	N/A	N/A	AVG	H
3306.050	49.61	-7.70	41.91	74.00	-32.09	peak	H
3306.050	44.48	-7.70	36.78	54.00	-17.22	AVG	H
4960.150	47.26	-3.55	43.71	74.00	-30.29	peak	H
4960.150	39.78	-3.55	36.23	54.00	-17.77	AVG	H
8070.300	44.59	-0.56	44.03	74.00	-29.97	peak	H
8325.300	35.73	-0.09	35.64	54.00	-18.36	AVG	H
12808.200	42.26	4.00	46.26	74.00	-27.74	peak	H
13039.400	31.69	5.38	37.07	54.00	-16.93	AVG	H
16035.650	37.97	11.08	49.05	74.00	-24.95	peak	H
16341.650	30.10	10.75	40.85	54.00	-13.15	AVG	H



($\pi/4$ -DQPSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

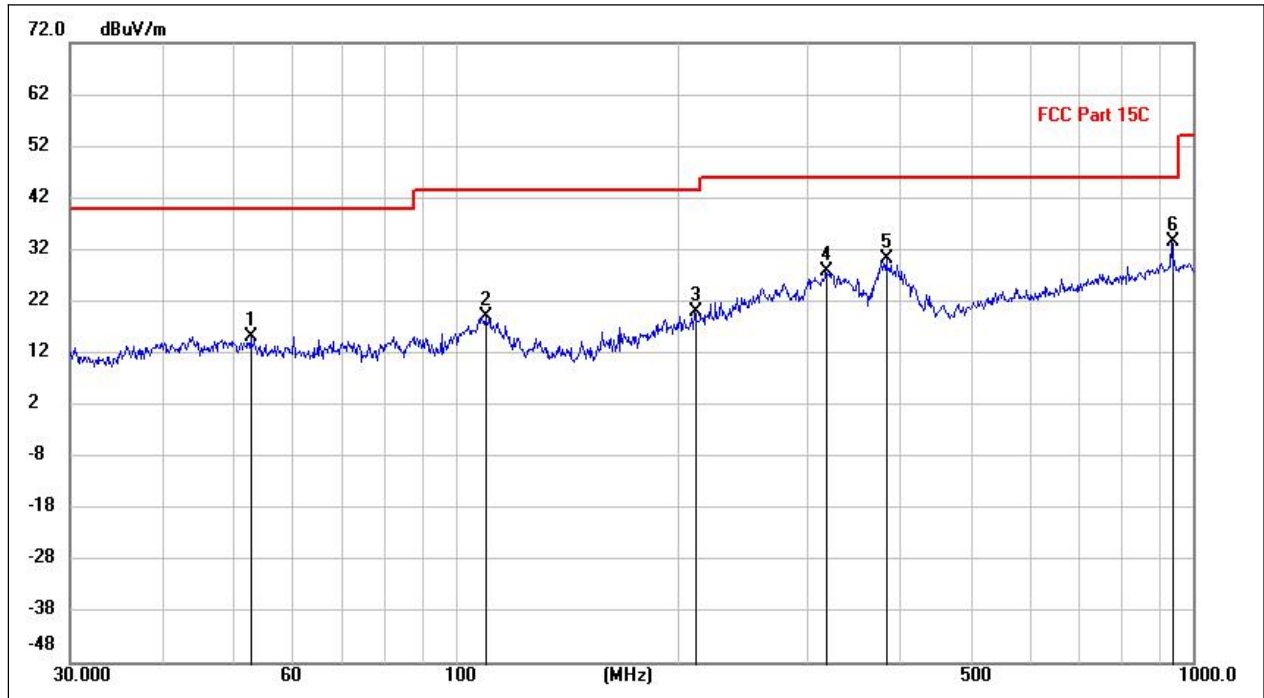
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5520	11.51	12.91	24.42	40.00	-15.58	peak	V
53.6649	1.68	15.35	17.03	40.00	-22.97	peak	V
138.5330	3.55	11.63	15.18	43.50	-28.32	peak	V
331.8780	6.80	17.12	23.92	46.00	-22.08	peak	V
498.1130	4.37	21.64	26.01	46.00	-19.99	peak	V
937.5167	8.25	28.29	36.54	46.00	-9.46	peak	V



($\pi/4$ -DQPSK _2480MHz, Antenna Vertical , 1GHz to 18GHz)

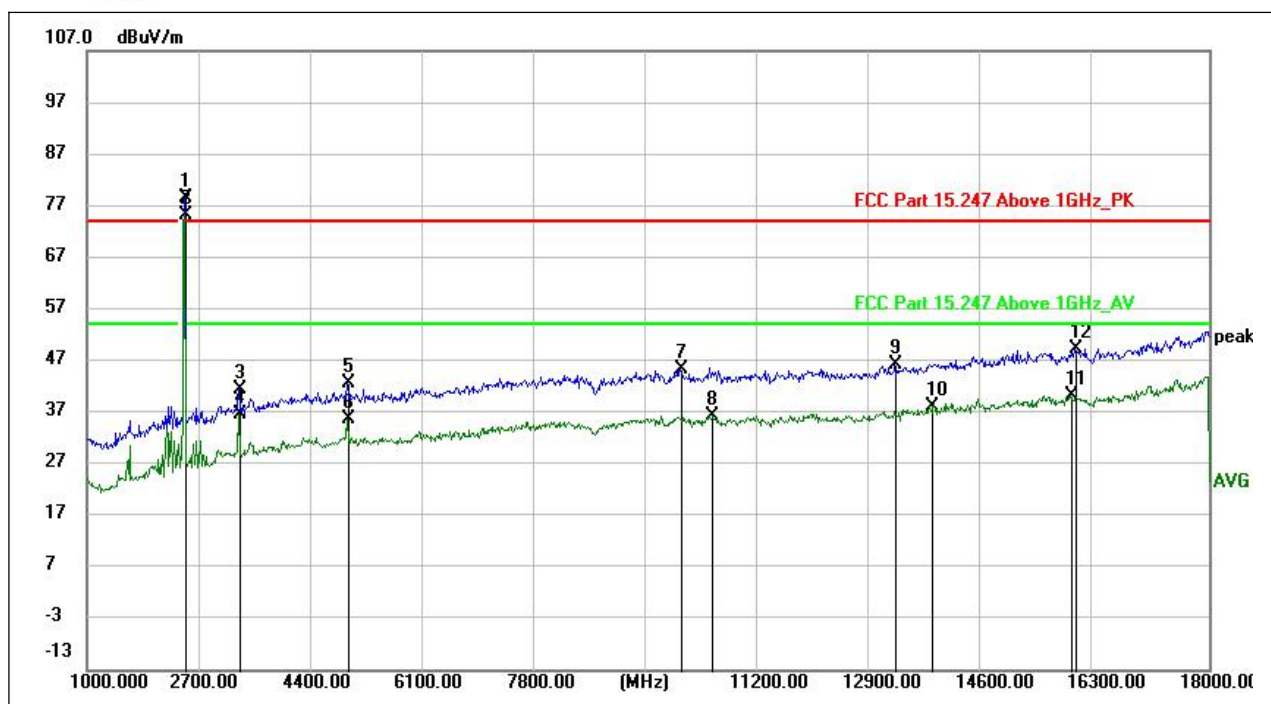
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	90.18	-11.21	78.97	N/A	N/A	peak	V
2479.850	87.24	-11.21	76.03	N/A	N/A	AVG	V
3306.050	49.50	-7.70	41.80	74.00	-32.20	peak	V
3306.050	45.23	-7.70	37.53	54.00	-16.47	AVG	V
4960.150	45.91	-3.36	42.55	74.00	-31.45	peak	V
4960.150	38.81	-3.36	35.45	54.00	-18.55	AVG	V
9547.600	44.04	0.89	44.93	74.00	-29.07	peak	V
9967.500	35.33	1.59	36.92	54.00	-17.08	AVG	V
13067.450	40.54	5.33	45.87	74.00	-28.13	peak	V
14097.650	31.03	7.19	38.22	54.00	-15.78	AVG	V
15908.150	39.04	10.31	49.35	74.00	-24.65	peak	V
15924.300	29.75	10.33	40.08	54.00	-13.92	AVG	V

8-DPSK Test mode



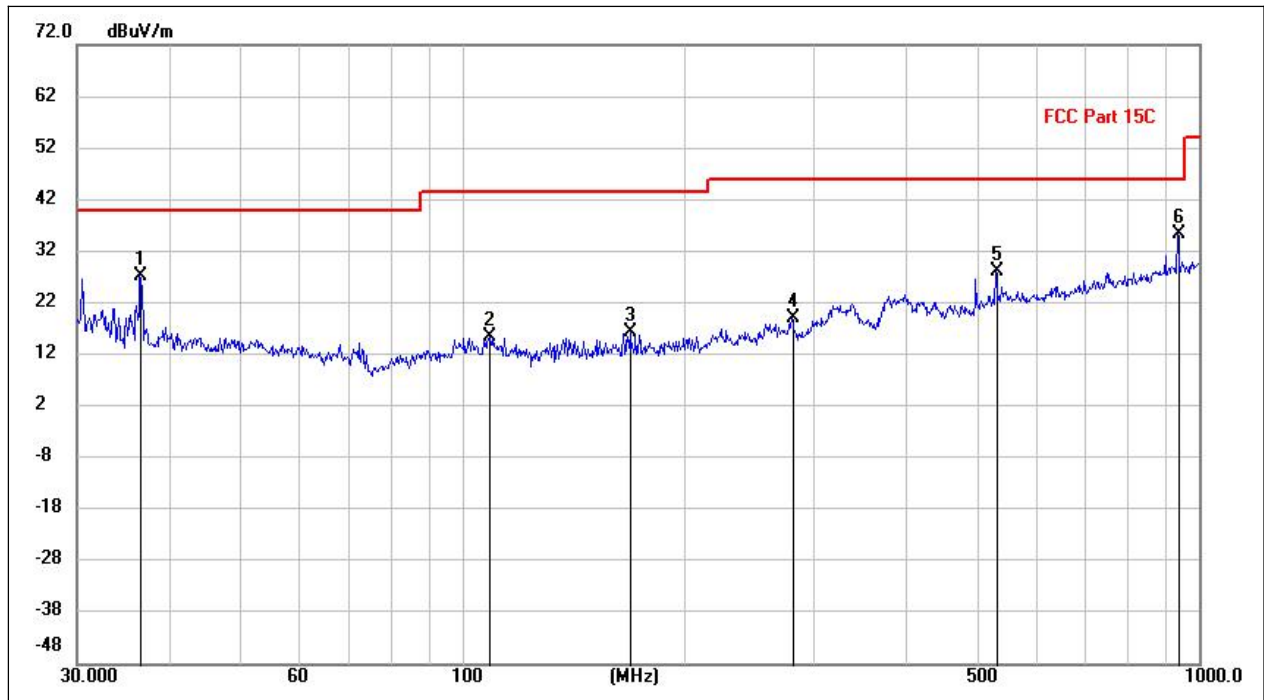
(8-DPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
52.8340	-0.14	15.37	15.23	40.00	-24.77	peak	H
110.0658	4.04	14.93	18.97	43.50	-24.53	peak	H
211.2300	6.58	13.39	19.97	43.50	-23.53	peak	H
318.2586	10.10	17.70	27.80	46.00	-18.20	peak	H
384.8754	11.64	18.63	30.27	46.00	-15.73	peak	H
937.6811	5.18	28.30	33.48	46.00	-12.52	peak	H



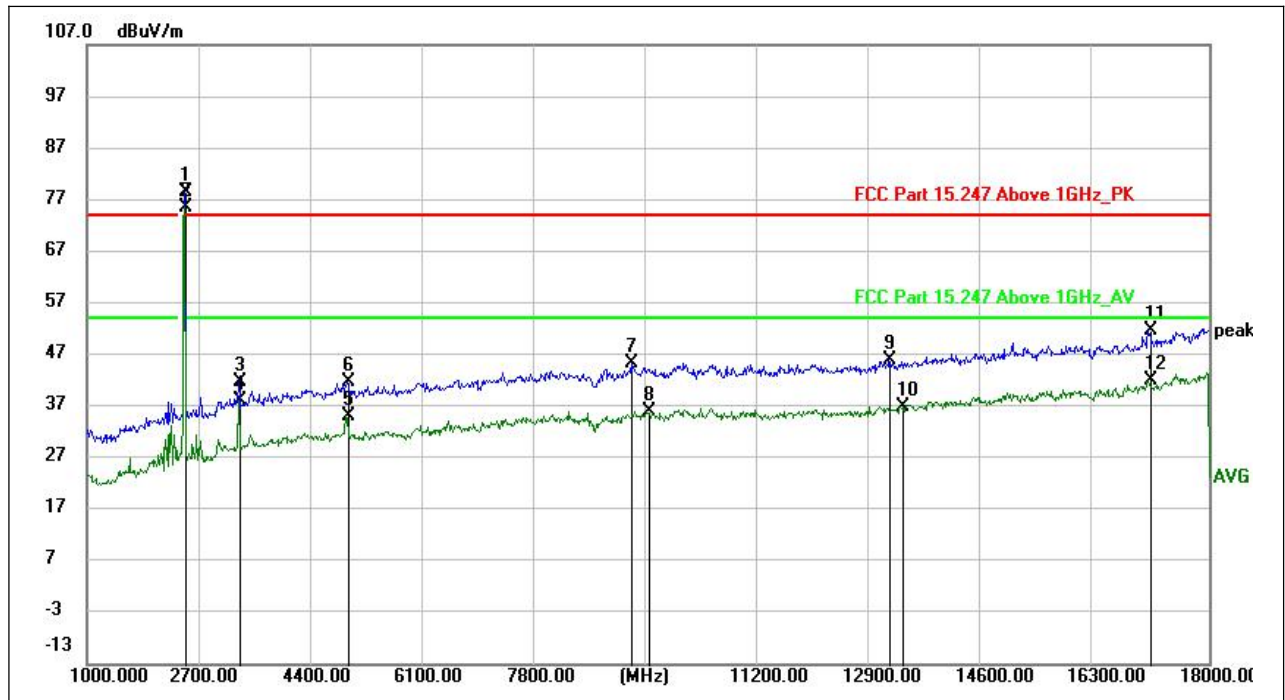
(8-DPSK_2402MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	89.71	-11.21	78.50	N/A	N/A	peak	H
2479.850	86.38	-11.21	75.17	N/A	N/A	AVG	H
3306.050	49.26	-7.70	41.56	74.00	-32.44	peak	H
3306.050	44.37	-7.70	36.67	54.00	-17.33	AVG	H
4960.150	46.28	-3.55	42.73	74.00	-31.27	peak	H
4960.150	39.29	-3.55	35.74	54.00	-18.26	AVG	H
10010.000	44.25	1.00	45.25	74.00	-28.75	peak	H
10461.350	34.75	1.65	36.40	54.00	-17.60	AVG	H
13247.650	41.39	4.94	46.33	74.00	-27.67	peak	H
13793.350	31.80	6.19	37.99	54.00	-16.01	AVG	H
15915.800	29.71	10.38	40.09	54.00	-13.91	AVG	H
15985.500	38.67	10.71	49.38	74.00	-24.62	peak	H



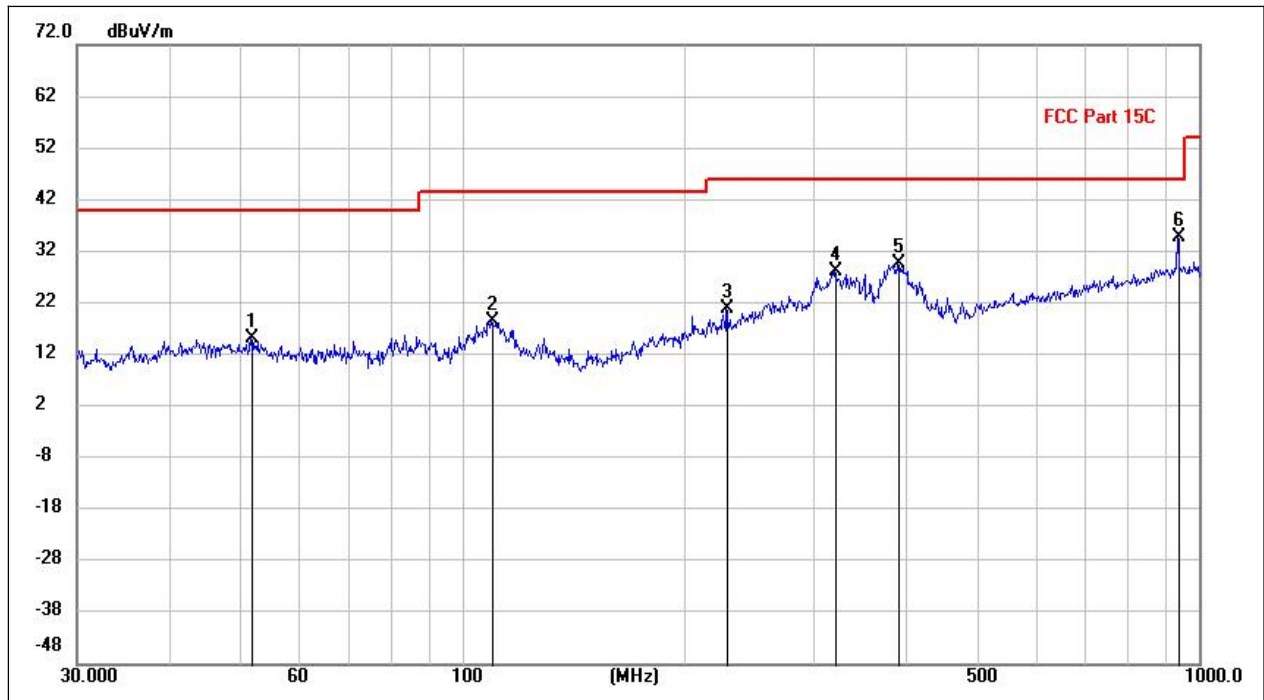
(8-DPSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
36.6310	13.93	13.39	27.32	40.00	-12.68	peak	V
109.0286	0.55	14.79	15.34	43.50	-28.16	peak	V
169.1536	3.98	12.27	16.25	43.50	-27.25	peak	V
280.9090	2.57	16.60	19.17	46.00	-26.83	peak	V
530.9385	5.93	22.21	28.14	46.00	-17.86	peak	V
937.6811	7.03	28.30	35.33	46.00	-10.67	peak	V



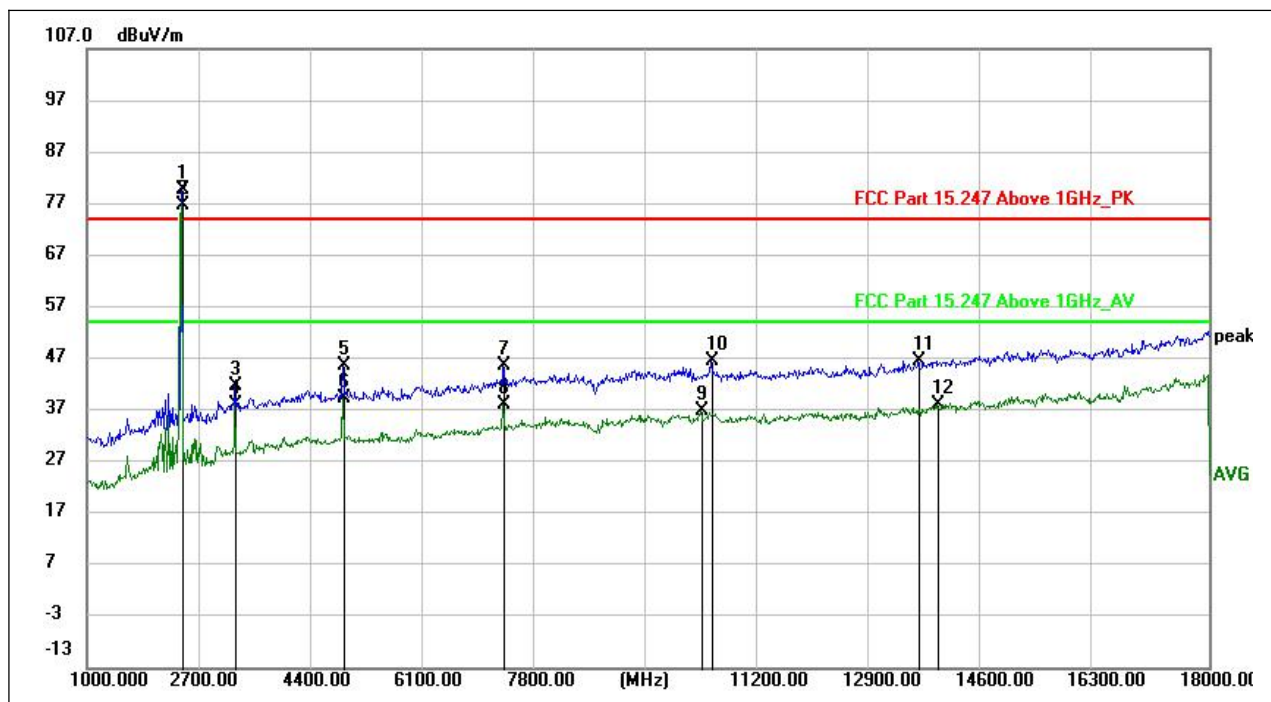
(8-DPSK _2402MHz, Antenna Vertical , 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	89.65	-11.21	78.44	N/A	N/A	peak	V
2479.850	86.81	-11.21	75.60	N/A	N/A	AVG	V
3306.050	49.28	-7.70	41.58	74.00	-32.42	peak	V
3306.050	45.67	-7.70	37.97	54.00	-16.03	AVG	V
4959.300	38.52	-3.36	35.16	54.00	-18.84	AVG	V
4960.150	45.19	-3.36	41.83	74.00	-32.17	peak	V
9262.000	44.64	0.70	45.34	74.00	-28.66	peak	V
9500.850	34.99	1.10	36.09	54.00	-17.91	AVG	V
13171.150	41.29	4.52	45.81	74.00	-28.19	peak	V
13345.400	31.67	5.33	37.00	54.00	-17.00	AVG	V
17099.850	39.40	12.13	51.53	74.00	-22.47	peak	V
17099.850	29.90	12.13	42.03	54.00	-11.97	AVG	V



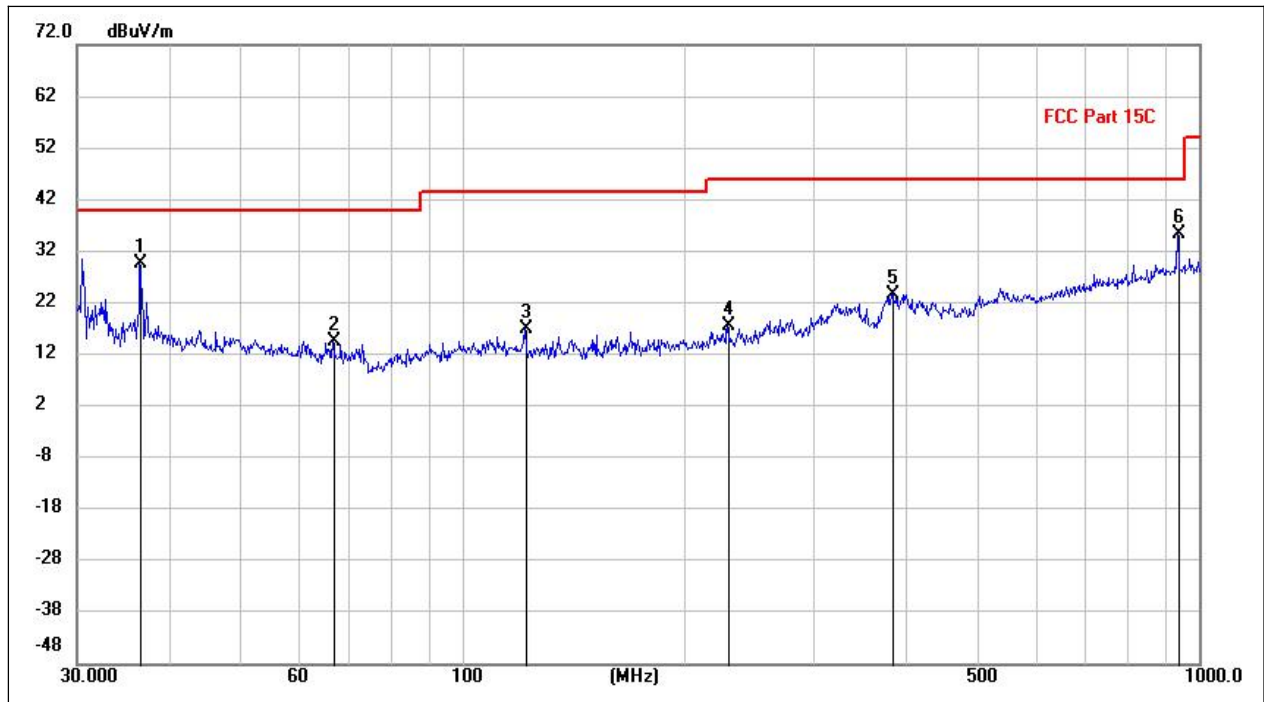
(8-DPSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
51.7976	-0.45	15.55	15.10	40.00	-24.90	peak	H
109.7190	3.67	14.96	18.63	43.50	-24.87	peak	H
228.8112	6.53	14.36	20.89	46.00	-25.11	peak	H
320.4422	10.25	17.95	28.20	46.00	-17.80	peak	H
390.7911	11.28	18.23	29.51	46.00	-16.49	peak	H
937.5167	6.41	28.29	34.70	46.00	-11.30	peak	H



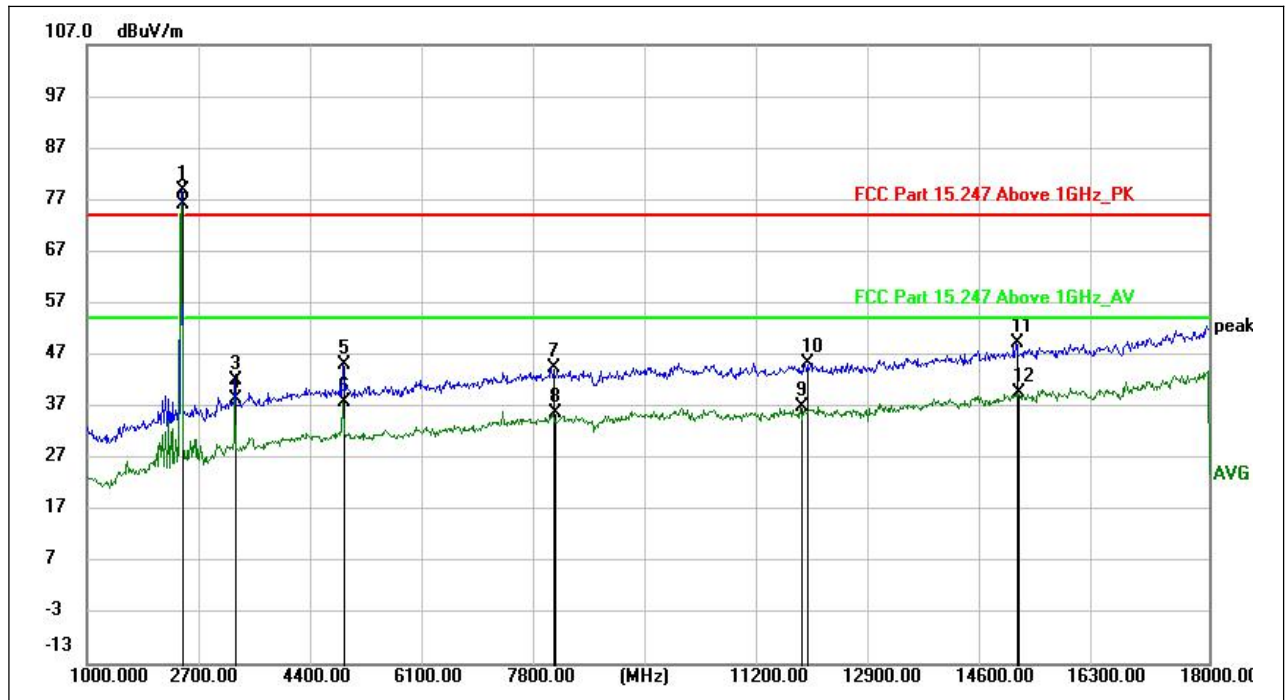
(8-DPSK_2440MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2440.750	91.49	-11.82	79.67	N/A	N/A	peak	H
2440.750	88.51	-11.82	76.69	N/A	N/A	AVG	H
3254.200	49.73	-8.12	41.61	74.00	-32.39	peak	H
3254.200	46.13	-8.12	38.01	54.00	-15.99	AVG	H
4881.950	49.69	-3.97	45.72	74.00	-28.28	peak	H
4881.950	43.19	-3.97	39.22	54.00	-14.78	AVG	H
7323.150	47.05	-1.35	45.70	74.00	-28.30	peak	H
7323.150	39.44	-1.35	38.09	54.00	-15.91	AVG	H
10320.250	35.70	1.13	36.83	54.00	-17.17	AVG	H
10467.300	44.87	1.67	46.54	74.00	-27.46	peak	H
13610.600	41.03	5.66	46.69	74.00	-27.31	peak	H
13889.400	31.36	6.66	38.02	54.00	-15.98	AVG	H



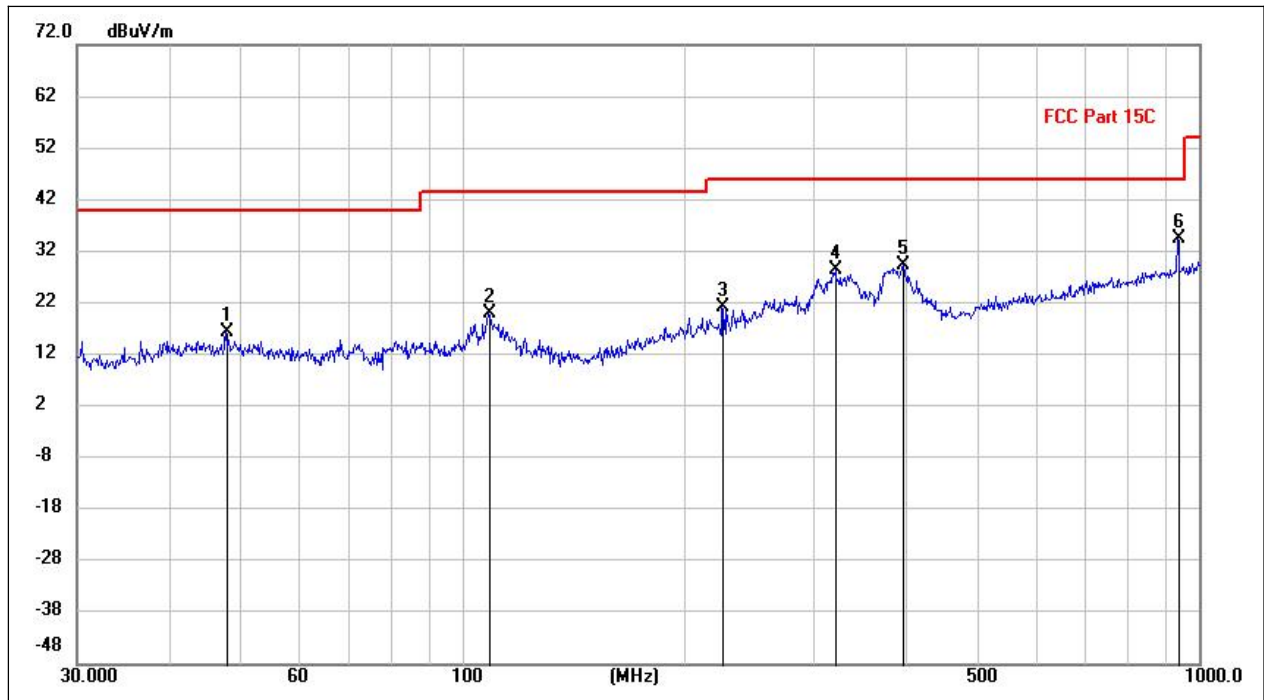
(8-DPSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
36.6118	16.35	13.38	29.73	40.00	-10.27	peak	V
66.8848	1.94	12.75	14.69	40.00	-25.31	peak	V
121.8259	4.65	12.38	17.03	43.50	-26.47	peak	V
229.7760	3.05	14.41	17.46	46.00	-28.54	peak	V
385.2129	5.14	18.60	23.74	46.00	-22.26	peak	V
937.5167	7.14	28.29	35.43	46.00	-10.57	peak	V



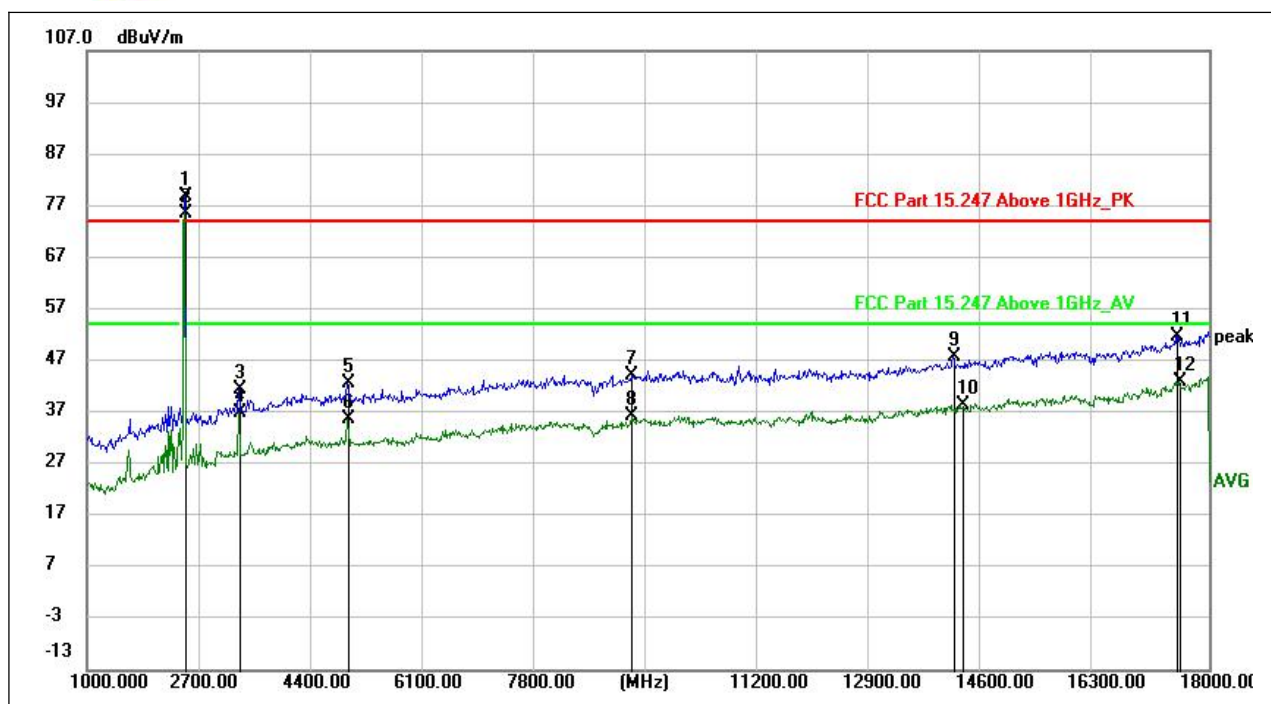
(8-DPSK_2440MHz, Antenna Vertical , 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2440.750	90.63	-11.82	78.81	N/A	N/A	peak	V
2440.750	88.04	-11.82	76.22	N/A	N/A	AVG	V
3254.200	50.14	-8.12	42.02	74.00	-31.98	peak	V
3254.200	46.62	-8.12	38.50	54.00	-15.50	AVG	V
4881.950	48.90	-3.97	44.93	74.00	-29.07	peak	V
4881.950	41.75	-3.97	37.78	54.00	-16.22	AVG	V
8060.100	44.91	-0.39	44.52	74.00	-29.48	peak	V
8075.400	36.04	-0.45	35.59	54.00	-18.41	AVG	V
11823.050	34.57	2.44	37.01	54.00	-16.99	AVG	V
11902.100	42.37	3.05	45.42	74.00	-28.58	peak	V
15090.450	39.99	9.23	49.22	74.00	-24.78	peak	V
15110.850	30.60	9.02	39.62	54.00	-14.38	AVG	V



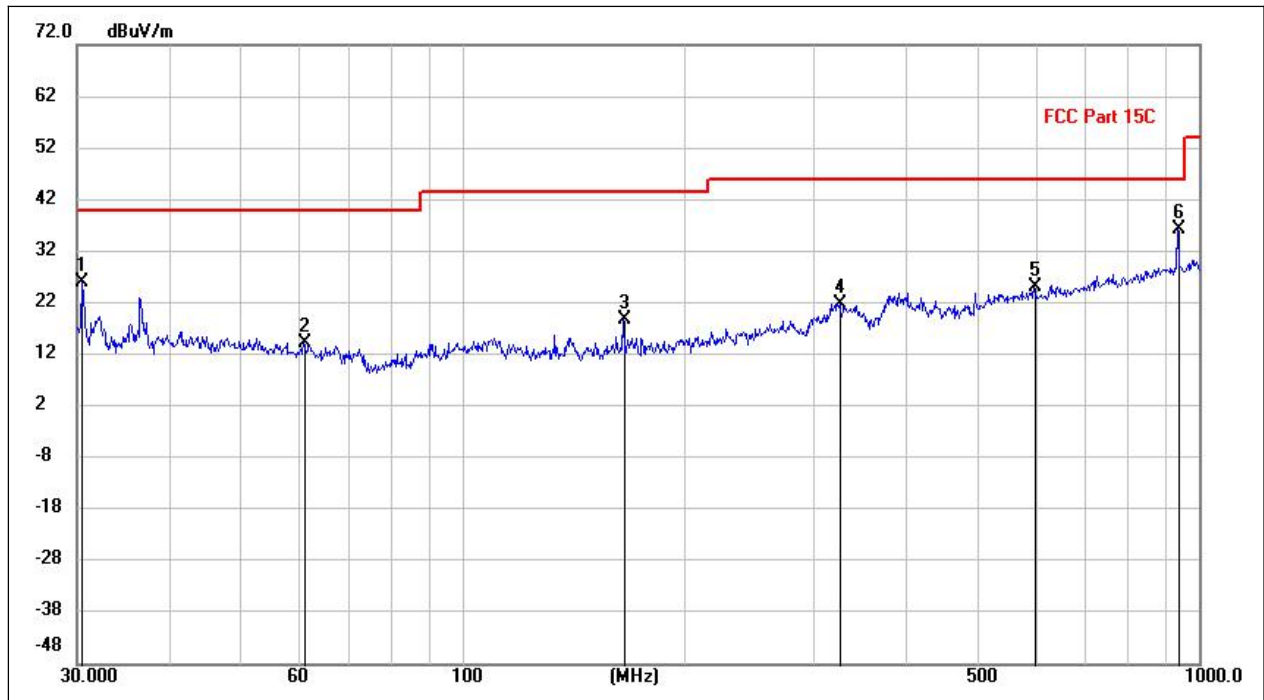
(8-DPSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
47.9604	0.88	15.51	16.39	40.00	-23.61	peak	H
108.7995	5.26	14.73	19.99	43.50	-23.51	peak	H
226.0598	6.97	14.09	21.06	46.00	-24.94	peak	H
321.6806	10.54	17.84	28.38	46.00	-17.62	peak	H
397.2850	9.97	19.38	29.35	46.00	-16.65	peak	H
937.6811	6.11	28.30	34.41	46.00	-11.59	peak	H



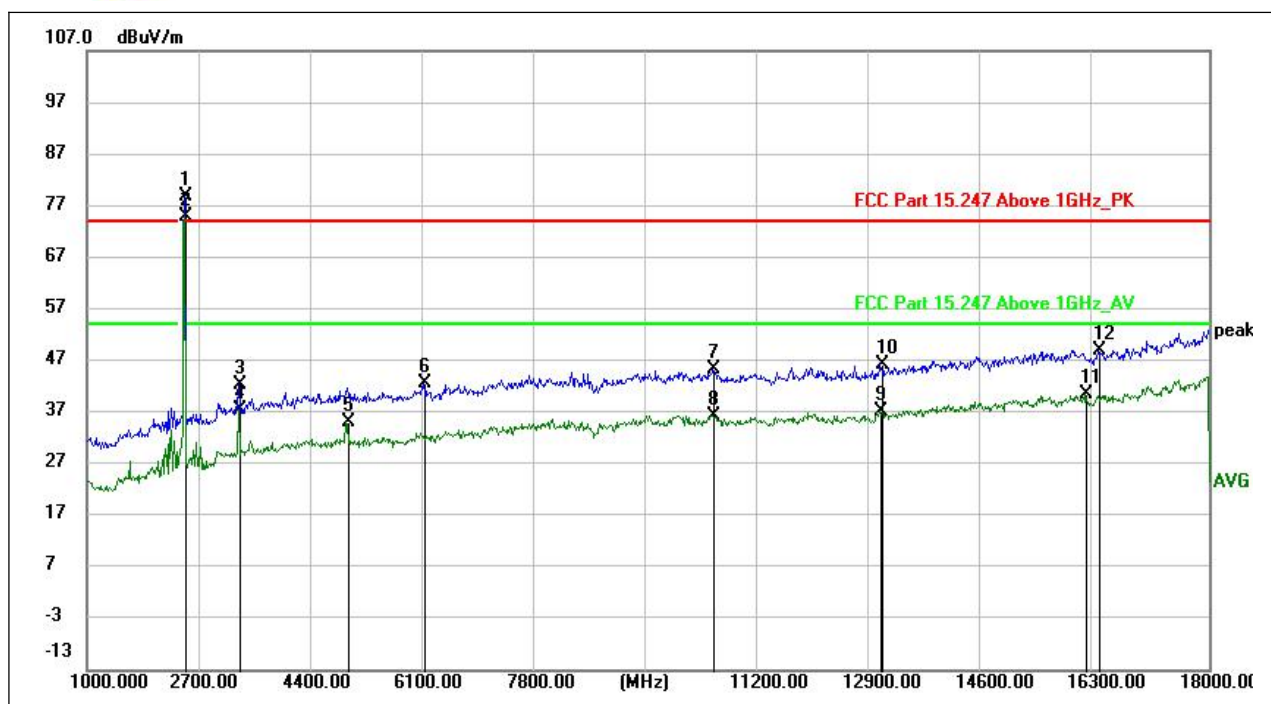
(8-DPSK_2480MHz, Antenna Horizontal, 1GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	89.87	-11.21	78.66	N/A	N/A	peak	H
2479.850	86.65	-11.21	75.44	N/A	N/A	AVG	H
3306.050	49.13	-7.70	41.43	74.00	-32.57	peak	H
3306.050	44.50	-7.70	36.80	54.00	-17.20	AVG	H
4960.150	46.15	-3.55	42.60	74.00	-31.40	peak	H
4960.150	39.37	-3.55	35.82	54.00	-18.18	AVG	H
9245.000	43.41	0.65	44.06	74.00	-29.94	peak	H
9245.000	35.50	0.65	36.15	54.00	-17.85	AVG	H
14131.650	40.56	7.19	47.75	74.00	-26.25	peak	H
14263.400	31.04	7.49	38.53	54.00	-15.47	AVG	H
17517.200	38.36	13.26	51.62	74.00	-22.38	peak	H
17548.650	29.71	13.13	42.84	54.00	-11.16	AVG	H



(8-DPSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5092	12.90	12.99	25.89	40.00	-14.11	peak	V
61.0352	0.18	14.19	14.37	40.00	-25.63	peak	V
165.9807	7.32	11.34	18.66	43.50	-24.84	peak	V
326.3388	4.40	17.40	21.80	46.00	-24.20	peak	V
597.6424	1.73	23.53	25.26	46.00	-20.74	peak	V
937.6811	7.86	28.30	36.16	46.00	-9.84	peak	V



(8-DPSK_2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.850	89.97	-11.21	78.76	N/A	N/A	peak	V
2479.850	86.07	-11.21	74.86	N/A	N/A	AVG	V
3306.050	50.06	-7.70	42.36	74.00	-31.64	peak	V
3306.050	45.35	-7.70	37.65	54.00	-16.35	AVG	V
4959.300	38.46	-3.36	35.10	54.00	-18.90	AVG	V
6105.950	45.44	-2.74	42.70	74.00	-31.30	peak	V
10496.200	42.67	2.55	45.22	74.00	-28.78	peak	V
10496.200	33.82	2.55	36.37	54.00	-17.63	AVG	V
13023.250	32.04	5.04	37.08	54.00	-16.92	AVG	V
13046.200	40.96	5.29	46.25	74.00	-27.75	peak	V
16140.200	30.29	10.31	40.60	54.00	-13.40	AVG	V
16330.600	38.23	10.86	49.09	74.00	-24.91	peak	V

Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Peak Output Power	$\pm 2.22\text{dB}$
Power spectral density (PSD)	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{ dB}$
Restricted Frequency Bands	$\pm 5\%$
Radiated Emission	$\pm 3.1\text{dB}$
Conducted Emission	$\pm 1.8\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Kehu-Morlab Test Laboratory
Laboratory Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian) P.R. China
Telephone:	+86 592 5612050
Facsimile:	+86 592 5612095

2. Identification of the Responsible Testing Location

Name:	Kehu-Morlab Test Laboratory
Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian) P.R. China

3. Accreditation Certificate

Accredited Testing Laboratory:	The FCC designation number is CN1249. (Kehu-Morlab Test Laboratory)
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4. Test Equipments Utilized

4.1 Conducted Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Due Date
1	MXA Signal Analyzer	MY57150136	N9030A	Keysight	2021. 03.08
2	RF cable (30MHz-26.5GHz)	RF01	N/A	Morlab	2021.03.06
3	Coaxial cable	RF02	N/A	Morlab	2021.03.06
4	SMA connector	RF03	N/A	Xingbo	N/A
Software Version: MW 2.0.0.0					

4.2 Conducted Emission Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Due Date
1	EMI Receiver	102174	ESR3	R&S	2021.03.15
2	LISN	101338	ENV432	R&S	2021.03.09

4.3 List of Software Used

No.	Model	Version Number	Producer	Test Item
1	EMC32	V10.00.00	Rode&Schwarz	RE



2	EMC32	V10.20.01	Rode&Schwarz	CE
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4.4 Radiated Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Due Date
1	Anechoic Chamber	N/A	9m*6m*6m	ETS-Lindgren	2022.07.20
2	Signal Analyzer	101294	FSV40	R&S	2021.06.04
3	Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2021.09.24
4	Ultra-Wideband Horn Antenna	102615	HF907	R&S	2022.01.18
5	Steatite Antennas	17868	QSH-SL-18-26-S-20	Seibersdorf	2021.03.23
6	RF Switch and Control Platform	N/A	RSC	CDSI	N/A
7	Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2021.03.23
8	Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	2021.03.23
9	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2021.03.23
10	Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	2021.03.23
11	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	N/A
12	Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2021.03.23
13	Band stop Filter	EMC19	BJF2400/2485-60	CDSI	2021.03.23
14	High Pass Filter	EMC22	HFP-3.0/18G-60	CDSI	2021.03.23

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