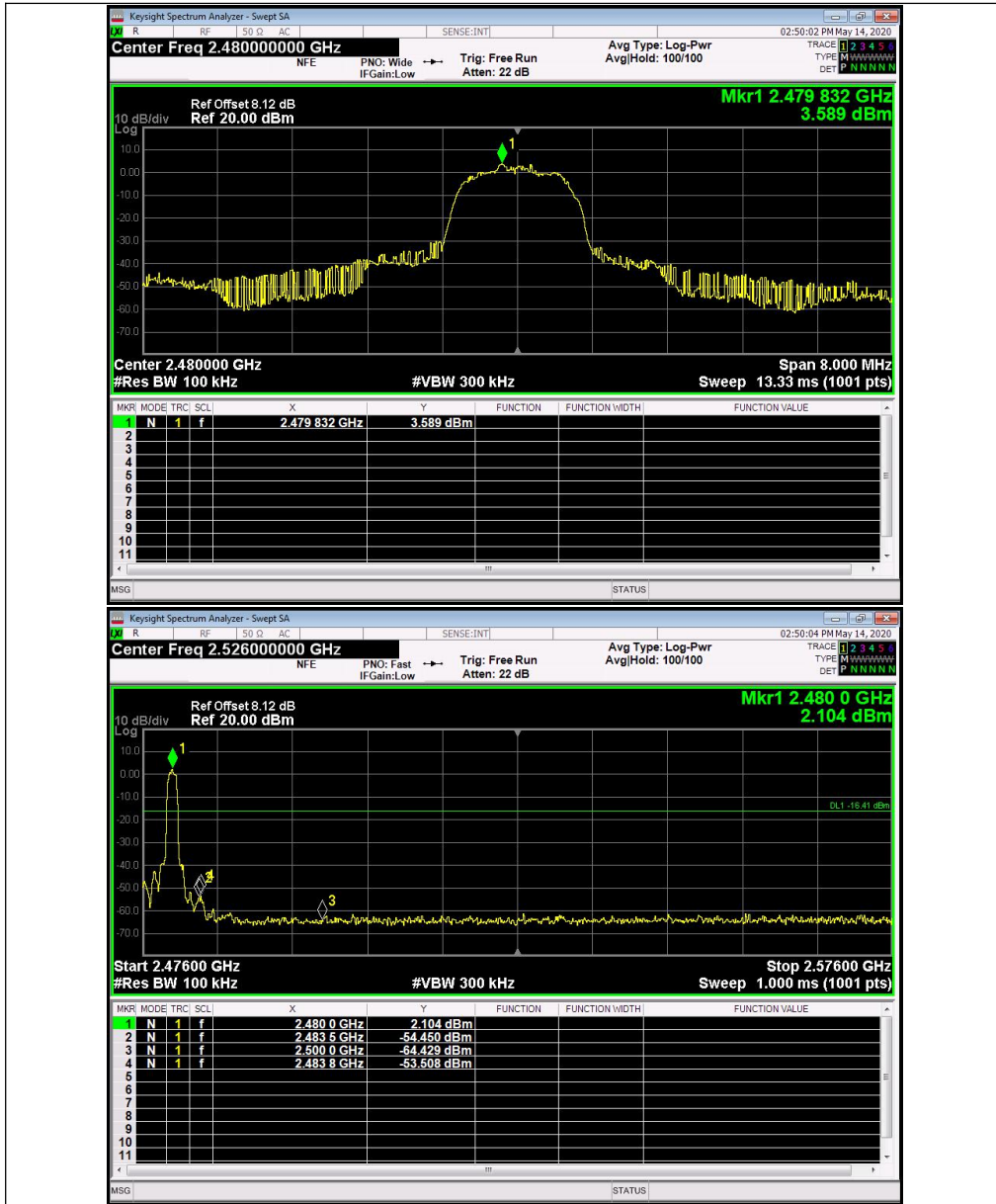
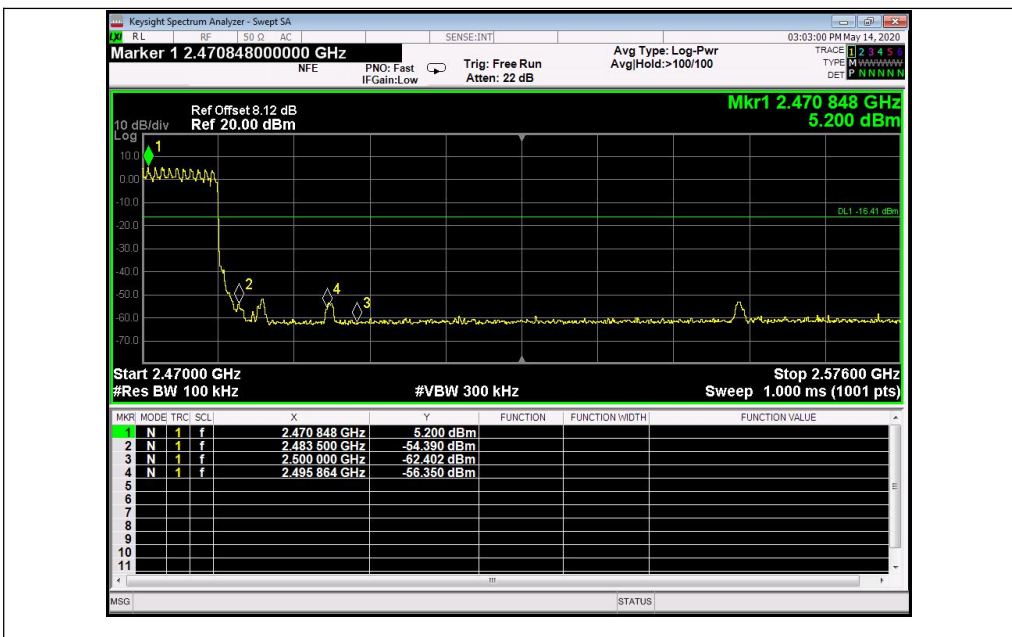




(Channel = 78, 30MHz to 25GH, 8-DPSK)



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



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

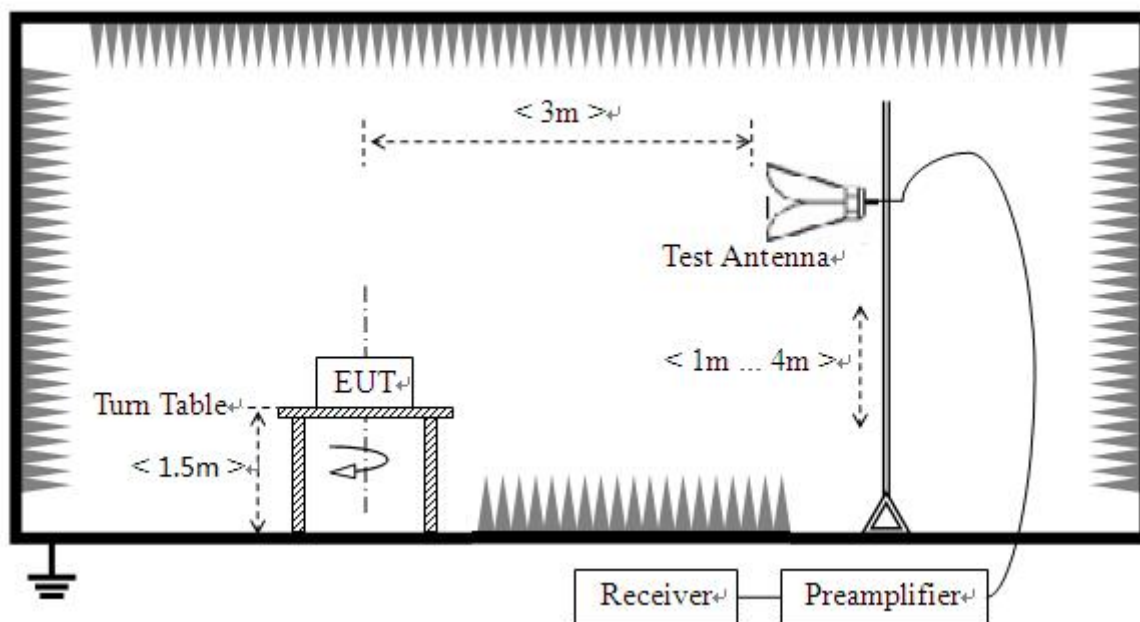
## 2.9. Restricted Frequency Bands

### 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:

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

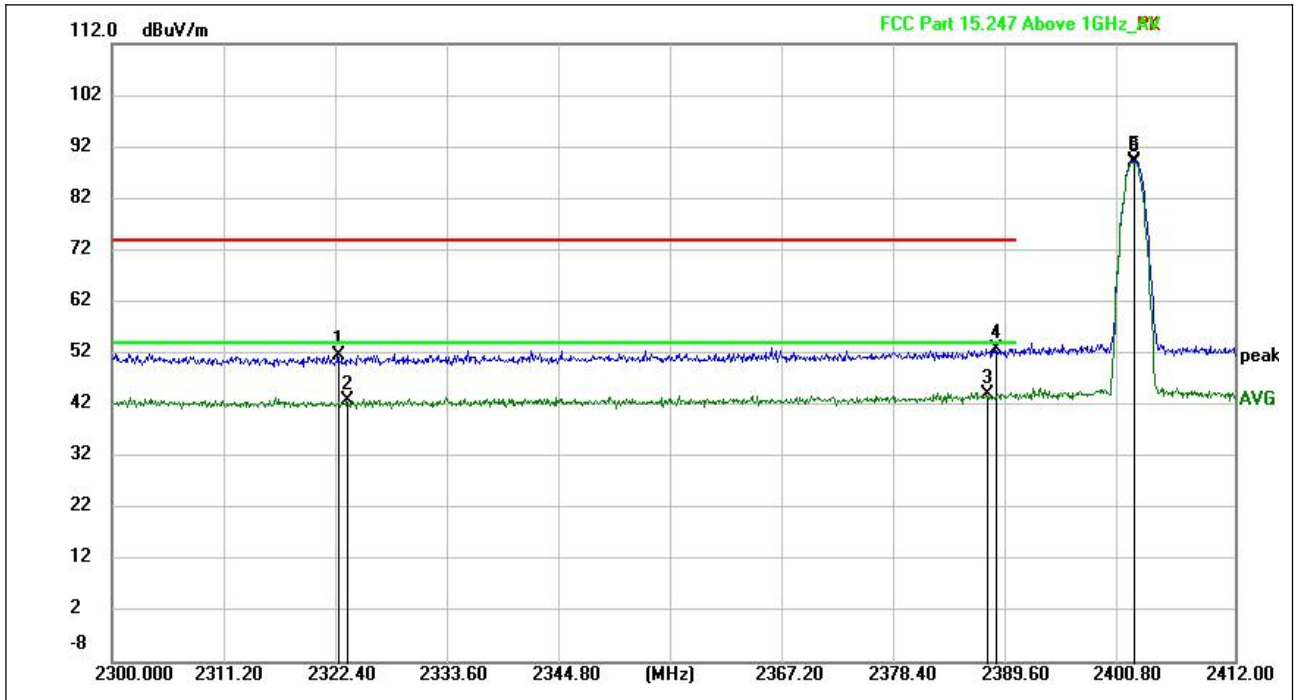
AT: Total correction Factor except Antenna

UR: Receiver Reading

Gpreamp: Preamplifier Gain

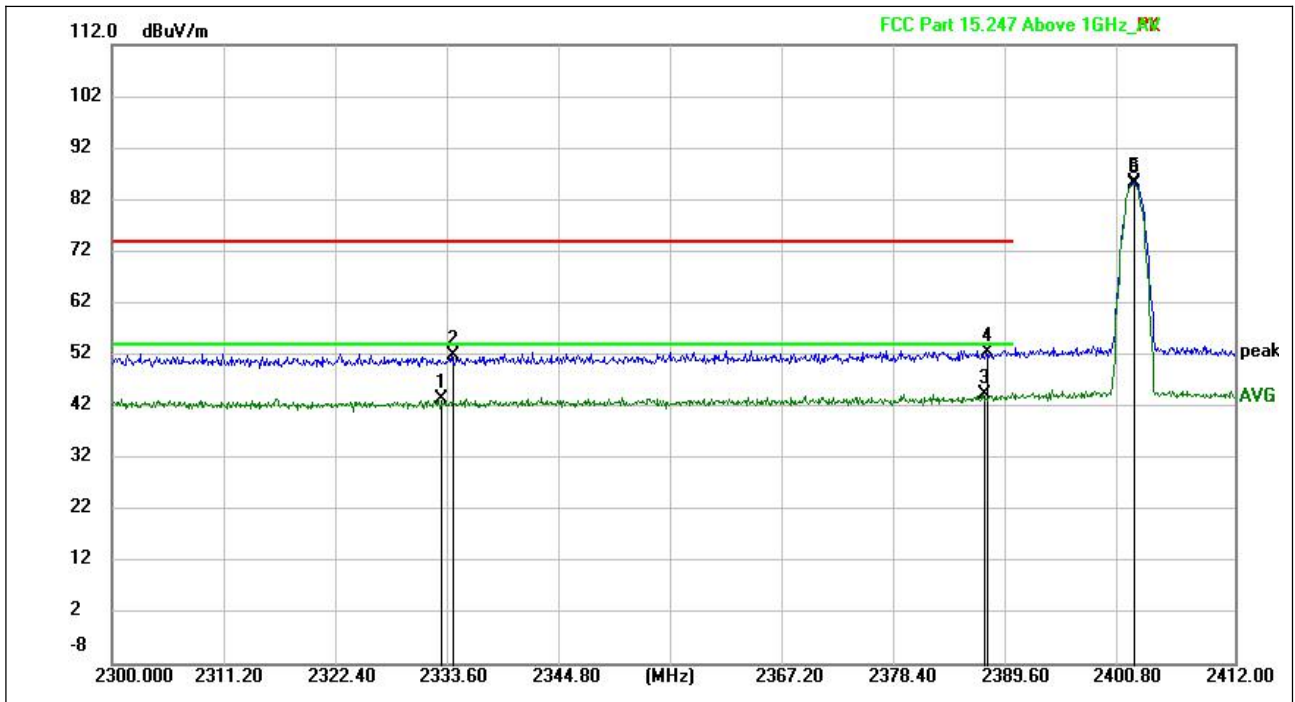
AFactor: Antenna Factor at 3m

GFSK Test mode



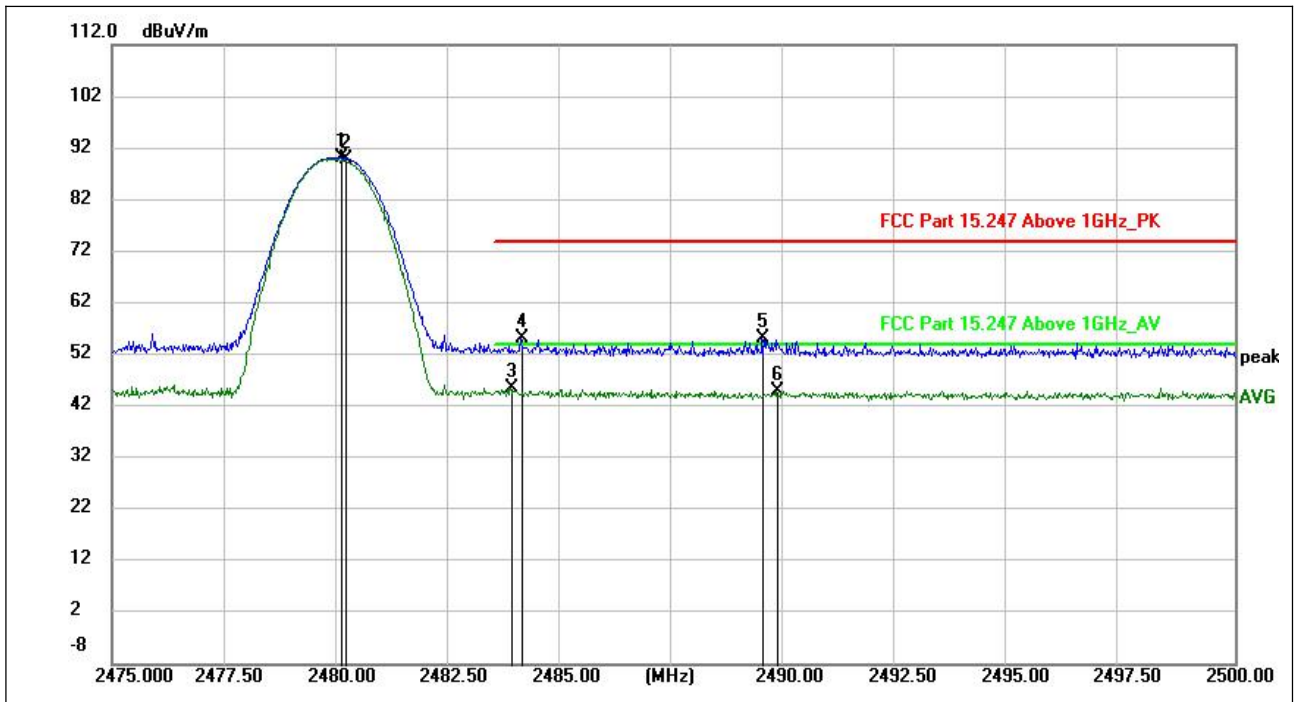
(GFSK\_2402MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2322.574	11.71	39.69	51.40	74.00	-22.60	peak	H
2323.509	3.09	39.69	42.78	54.00	-11.22	AVG	H
2387.360	3.39	40.76	44.15	54.00	-9.85	AVG	H
2388.110	11.97	40.82	52.79	74.00	-21.21	peak	H
2401.842	47.71	41.61	89.32	NA	NA	peak	H
2401.842	47.47	41.61	89.08	NA	NA	AVG	H



(GFSK\_2402MHz, Antenna Vertical)

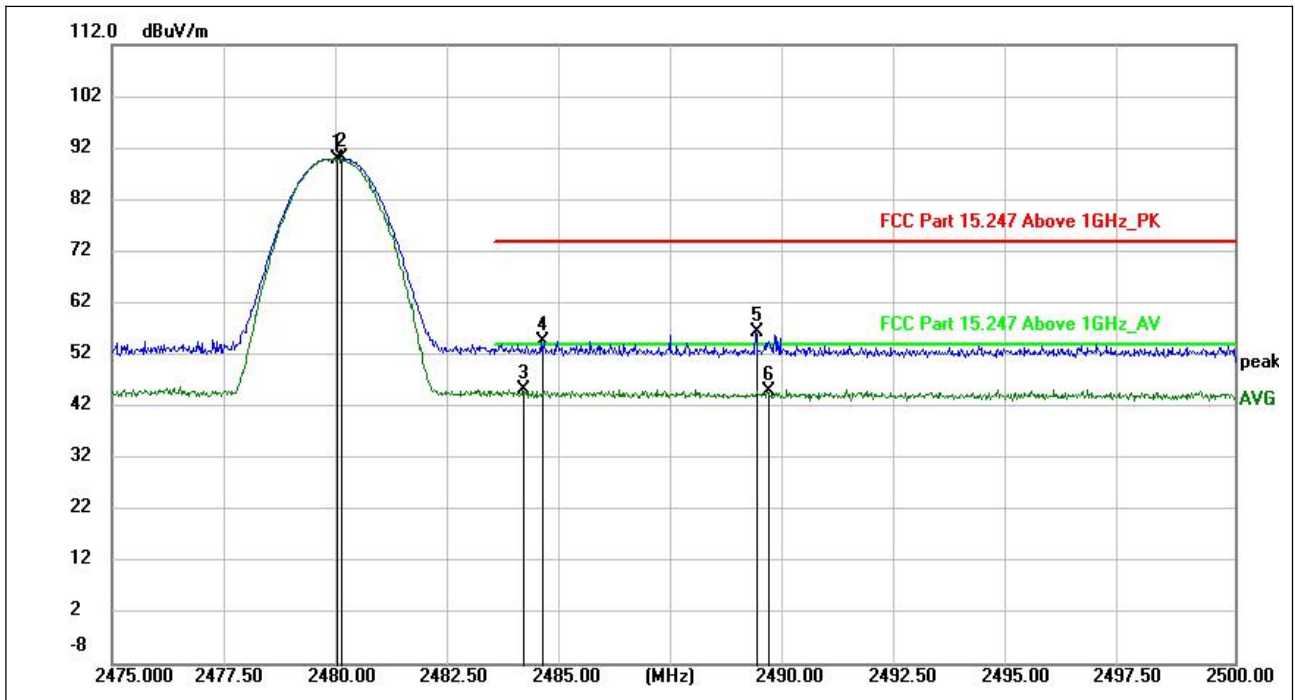
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2332.794	3.65	39.75	43.40	54.00	-10.60	AVG	H
2333.970	12.19	39.76	51.95	74.00	-22.05	peak	H
2387.002	3.72	40.74	44.46	54.00	-9.54	AVG	H
2387.338	11.72	40.76	52.48	74.00	-21.52	peak	H
2401.836	43.67	41.61	85.28	NA	NA	peak	H
2401.886	43.45	41.61	85.06	NA	NA	AVG	H



(GFSK\_2480MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.077	48.29	41.76	90.05	NA	NA	peak	H
2480.199	48.06	41.76	89.82	NA	NA	AVG	H
2483.891	3.71	41.76	45.47	54.00	-8.53	AVG	H
2484.139	13.44	41.75	55.19	74.00	-18.81	peak	H
2489.486	13.56	41.58	55.14	74.00	-18.86	peak	H
2489.809	3.35	41.57	44.92	54.00	-9.08	AVG	H

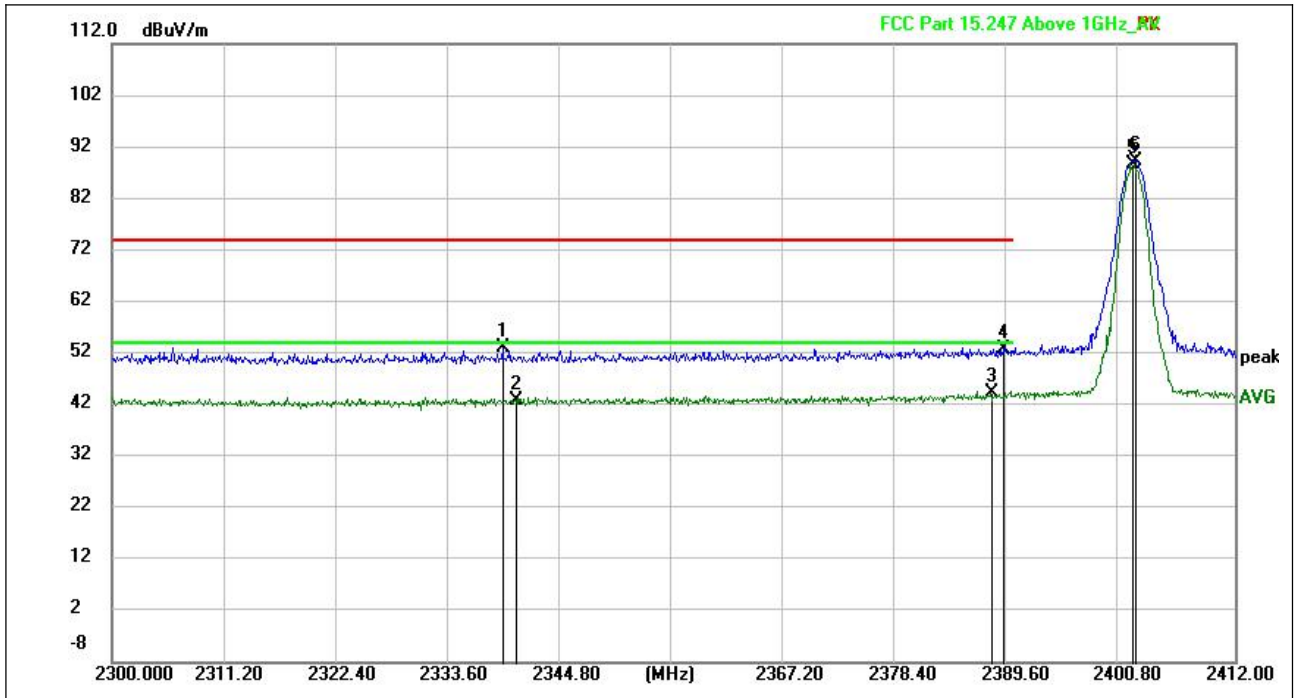




(GFSK\_2480MHz, Antenna Vertical)

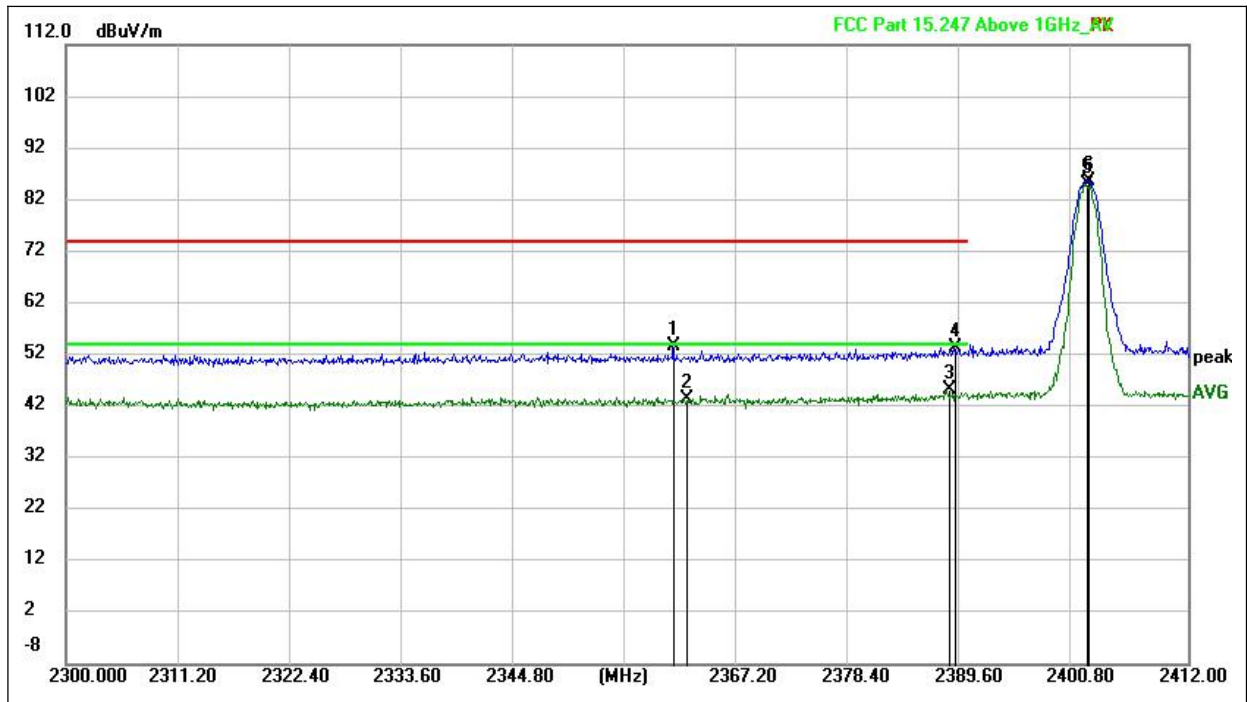
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.001	48.00	41.77	89.77	NA	NA	AVG	H
2480.080	48.23	41.76	89.99	NA	NA	peak	H
2484.157	3.41	41.74	45.15	54.00	-8.85	AVG	H
2484.588	12.76	41.73	54.49	74.00	-19.51	peak	H
2489.351	14.75	41.59	56.34	74.00	-17.66	peak	H
2489.619	3.37	41.58	44.95	54.00	-9.05	AVG	H

$\pi/4$ -DQPSK Test mode



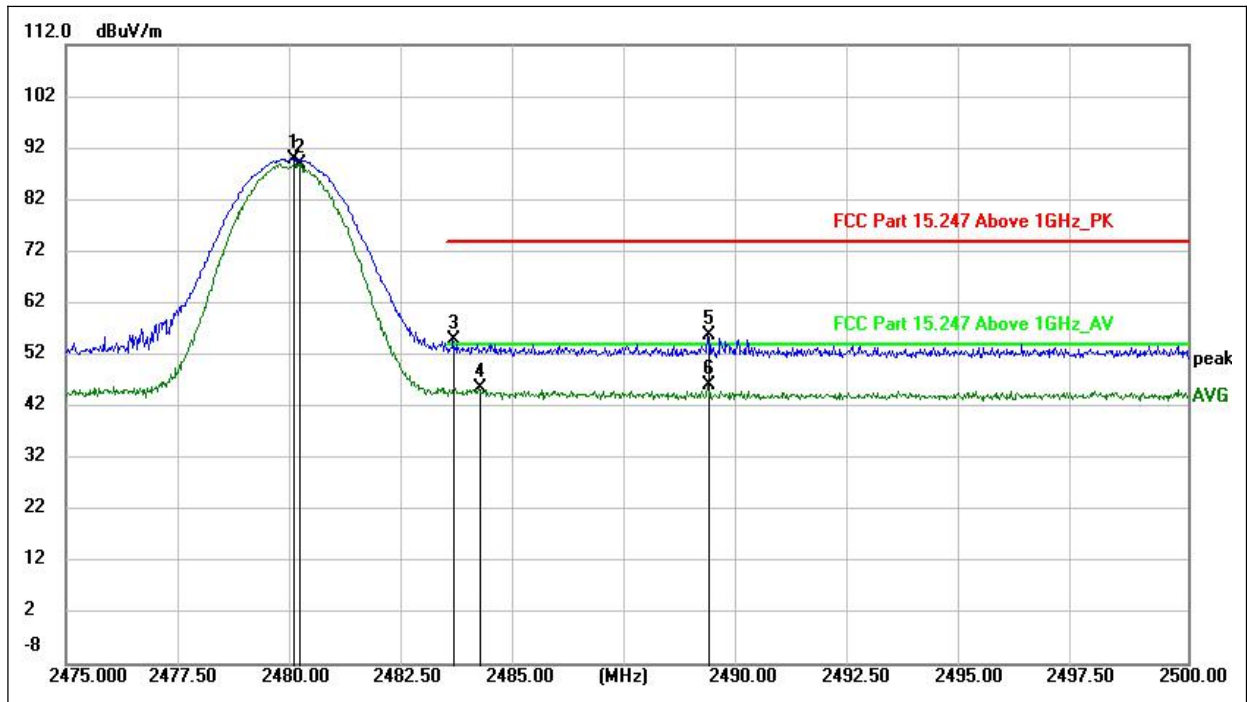
( $\pi/4$ -DQPSK\_2402MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2339.021	13.36	39.81	53.17	74.00	-20.83	peak	H
2340.275	3.12	39.82	42.94	54.00	-11.06	AVG	H
2387.802	3.42	40.80	44.22	54.00	-9.78	AVG	H
2388.889	11.74	40.88	52.62	74.00	-21.38	peak	H
2401.741	47.09	41.62	88.71	NA	NA	AVG	H
2402.099	47.71	41.60	89.31	NA	NA	peak	H



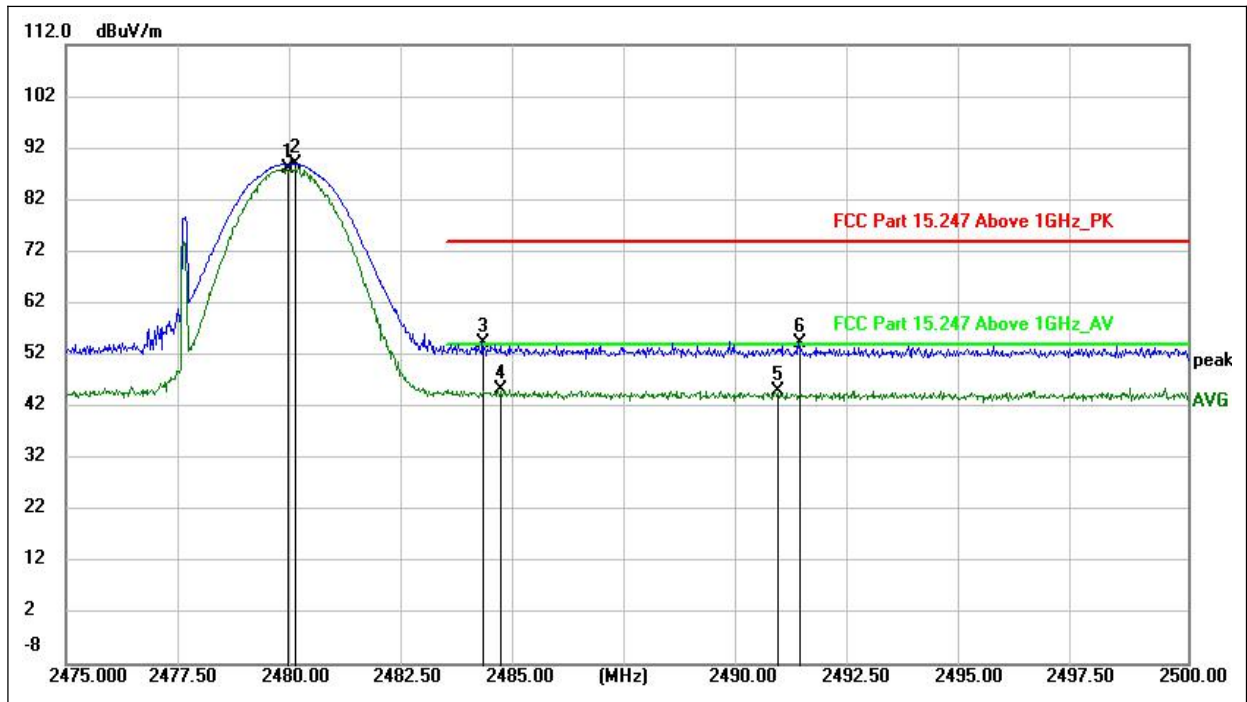
( $\pi/4$ -DQPSK\_2402MHz, Antenna Vertical)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2360.603	13.75	40.05	53.80	74.00	-20.20	peak	H
2361.846	3.28	40.06	43.34	54.00	-10.66	AVG	H
2388.054	4.45	40.82	45.27	54.00	-8.73	AVG	H
2388.710	12.59	40.86	53.45	74.00	-20.55	peak	H
2401.830	43.53	41.61	85.14	NA	NA	AVG	H
2402.082	44.06	41.60	85.66	NA	NA	peak	H



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

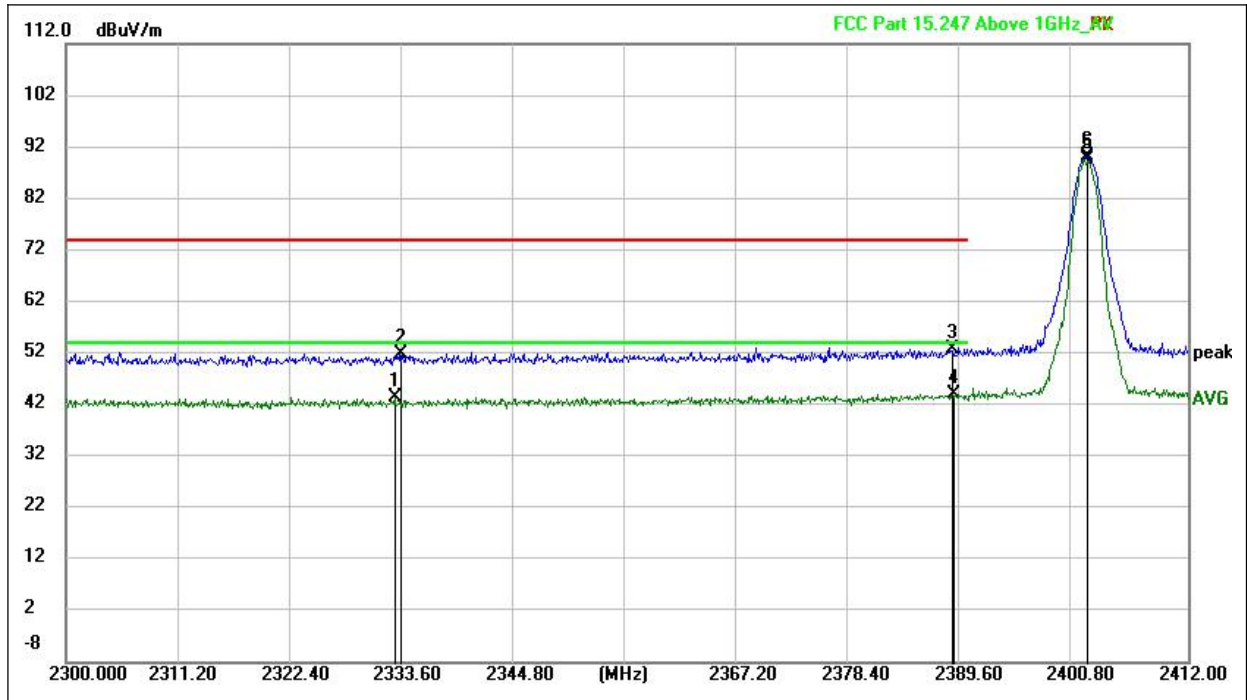
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.073	48.19	41.76	89.95	NA	NA	peak	H
2480.191	47.16	41.76	88.92	NA	NA	AVG	H
2483.649	13.00	41.76	54.76	74.00	-19.24	peak	H
2484.224	3.83	41.74	45.57	54.00	-8.43	AVG	H
2489.306	14.23	41.59	55.82	74.00	-18.18	peak	H
2489.306	4.40	41.59	45.99	54.00	-8.01	AVG	H



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

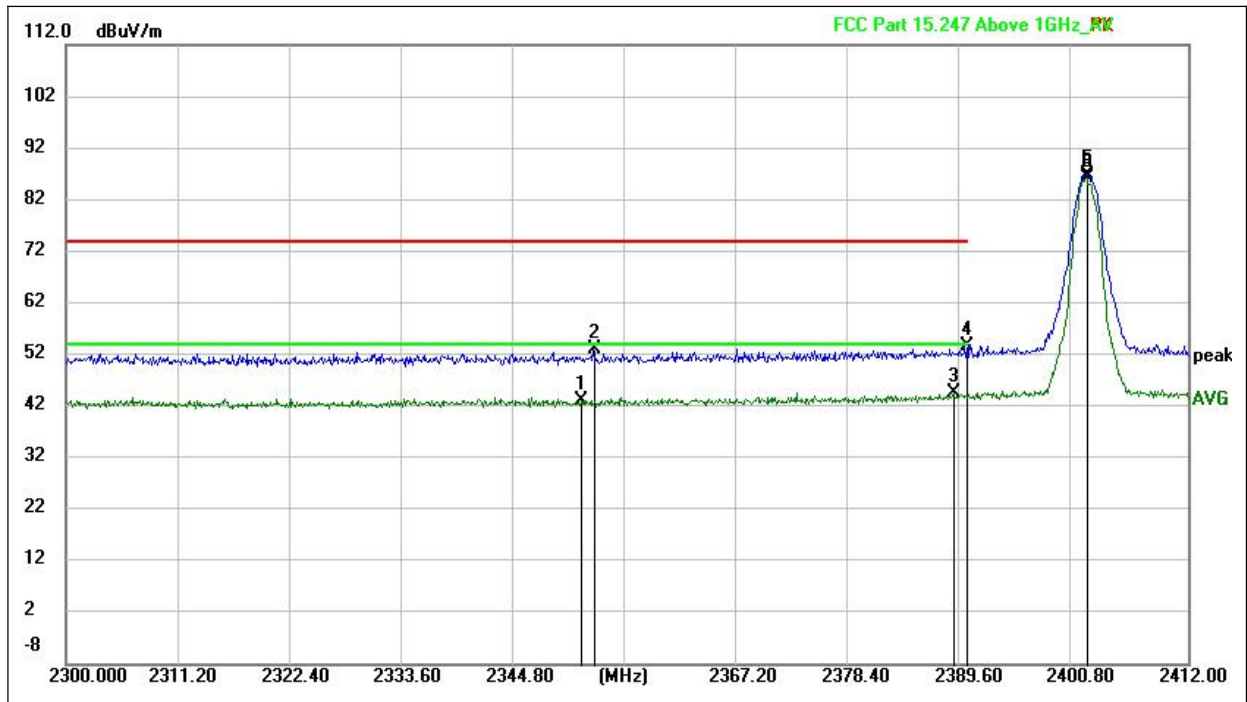
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2479.950	46.15	41.77	87.92	NA	NA	AVG	H
2480.095	47.16	41.76	88.92	NA	NA	peak	H
2484.278	12.55	41.74	54.29	74.00	-19.71	peak	H
2484.655	3.45	41.73	45.18	54.00	-8.82	AVG	H
2490.831	3.23	41.54	44.77	54.00	-9.23	AVG	H
2491.330	12.66	41.52	54.18	74.00	-19.82	peak	H

8-DQPSK Test mode



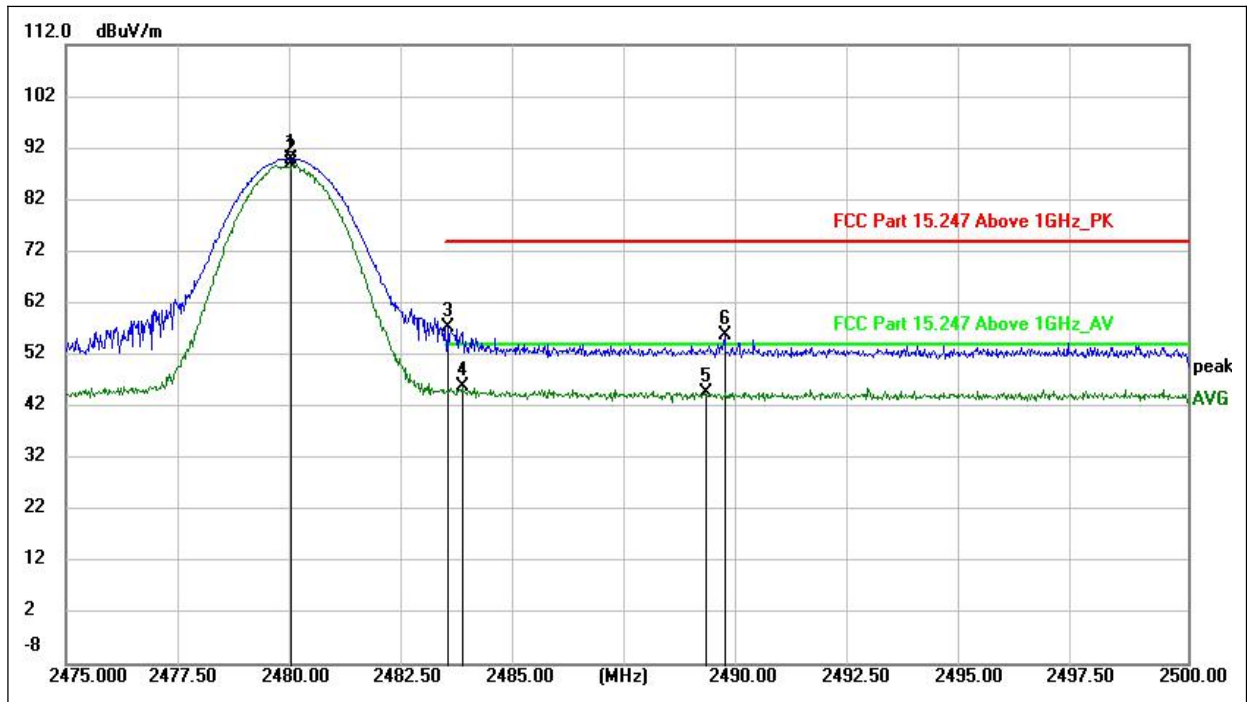
(8-DQPSK \_2402MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Det.	Pol
2332.917	3.51	39.75	43.26	54.00	-10.74	AVG	H
2333.387	12.11	39.76	51.87	74.00	-22.13	peak	H
2388.385	11.95	40.84	52.79	74.00	-21.21	peak	H
2388.536	3.12	40.85	43.97	54.00	-10.03	AVG	H
2401.819	47.93	41.61	89.54	NA	NA	AVG	H
2402.032	48.54	41.60	90.14	NA	NA	peak	H



(8-DQPSK\_2402MHz, Antenna Vertical)

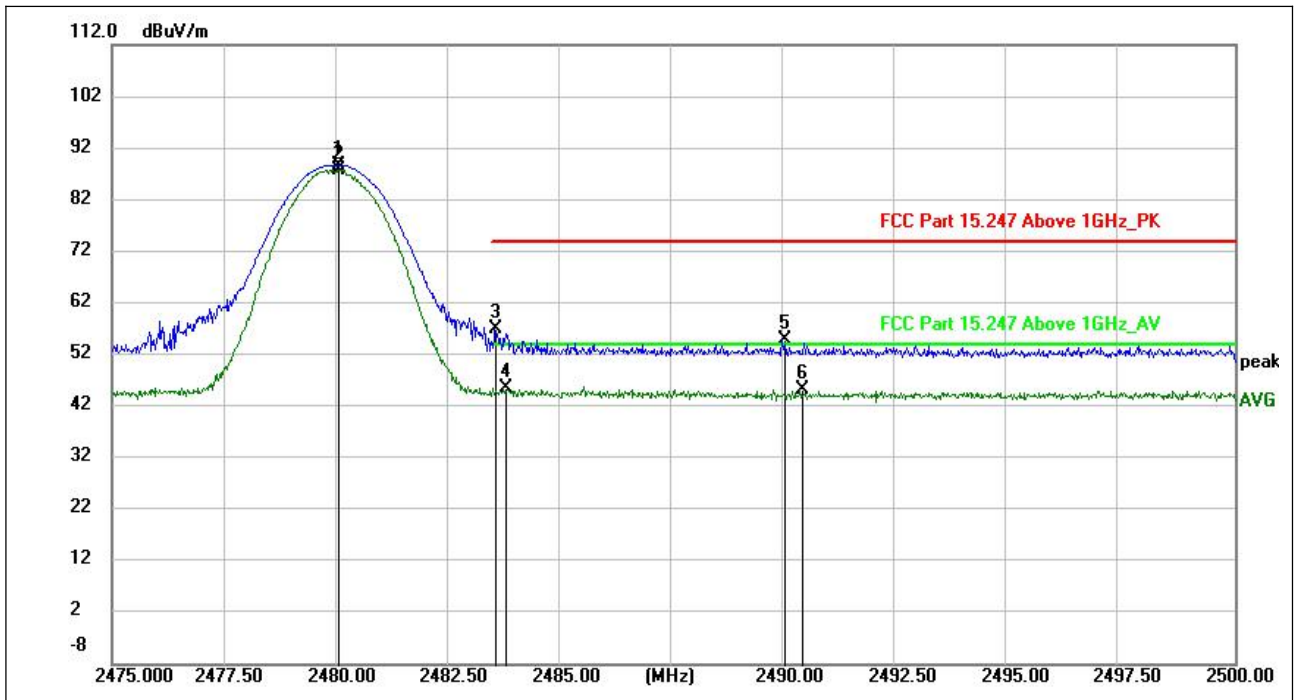
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2351.509	3.19	39.95	43.14	54.00	-10.86	AVG	H
2352.707	13.03	39.96	52.99	74.00	-21.01	peak	H
2388.665	3.69	40.86	44.55	54.00	-9.45	AVG	H
2389.880	12.63	40.95	53.58	74.00	-20.42	peak	H
2401.903	45.16	41.61	86.77	NA	NA	peak	H
2401.903	44.52	41.61	86.13	NA	NA	AVG	H



(8-DQPSK\_2480MHz, Antenna Horizontal)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.017	58.79	31.14	89.93	NA	NA	peak	H
2480.017	57.67	31.14	88.81	NA	NA	AVG	H
2483.520	26.17	31.16	57.33	74.00	-16.67	peak	H
2483.836	14.60	31.17	45.77	54.00	-8.23	AVG	H
2489.259	13.49	31.20	44.69	54.00	-9.31	AVG	H
2489.688	24.57	31.21	55.78	74.00	-18.22	peak	H





(8-DQPSK\_2480MHz, Antenna Vertical)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
2480.028	57.62	31.14	88.76	NA	NA	peak	H
2480.028	56.58	31.14	87.72	NA	NA	AVG	H
2483.544	25.87	31.16	57.03	74.00	-16.97	peak	H
2483.764	14.25	31.17	45.42	54.00	-8.58	AVG	H
2489.960	23.59	31.21	54.80	74.00	-19.20	peak	H
2490.365	14.13	31.21	45.34	54.00	-8.66	AVG	H

## 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 50μH/50Ω line impedance stabilization network (LISN).

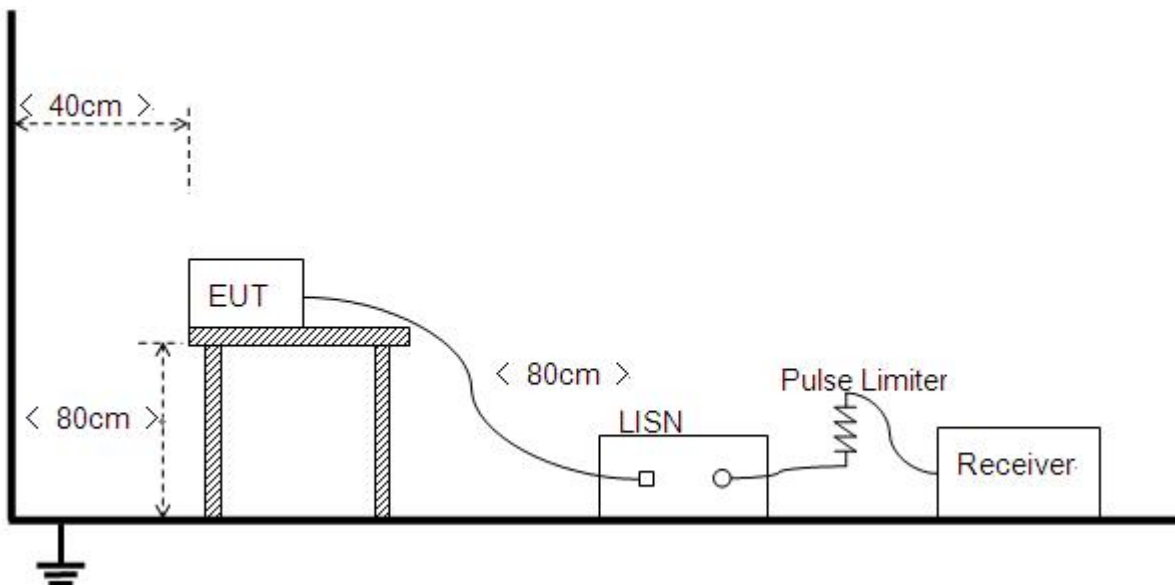
Frequency range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5- 30	60	50

**NOTE:**

- (a) The lower limit shall apply at the band edges.
- (b) 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.

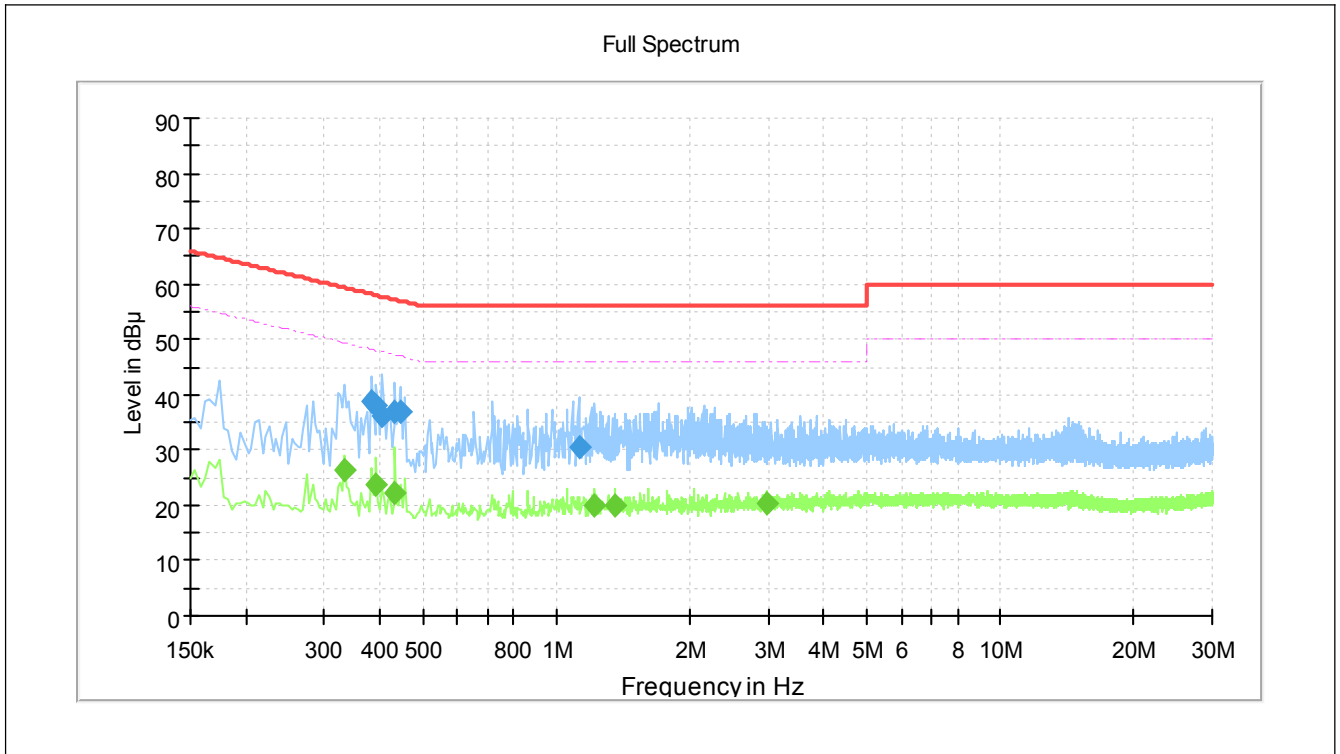
**Note:** Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

**A. Test setup:**

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

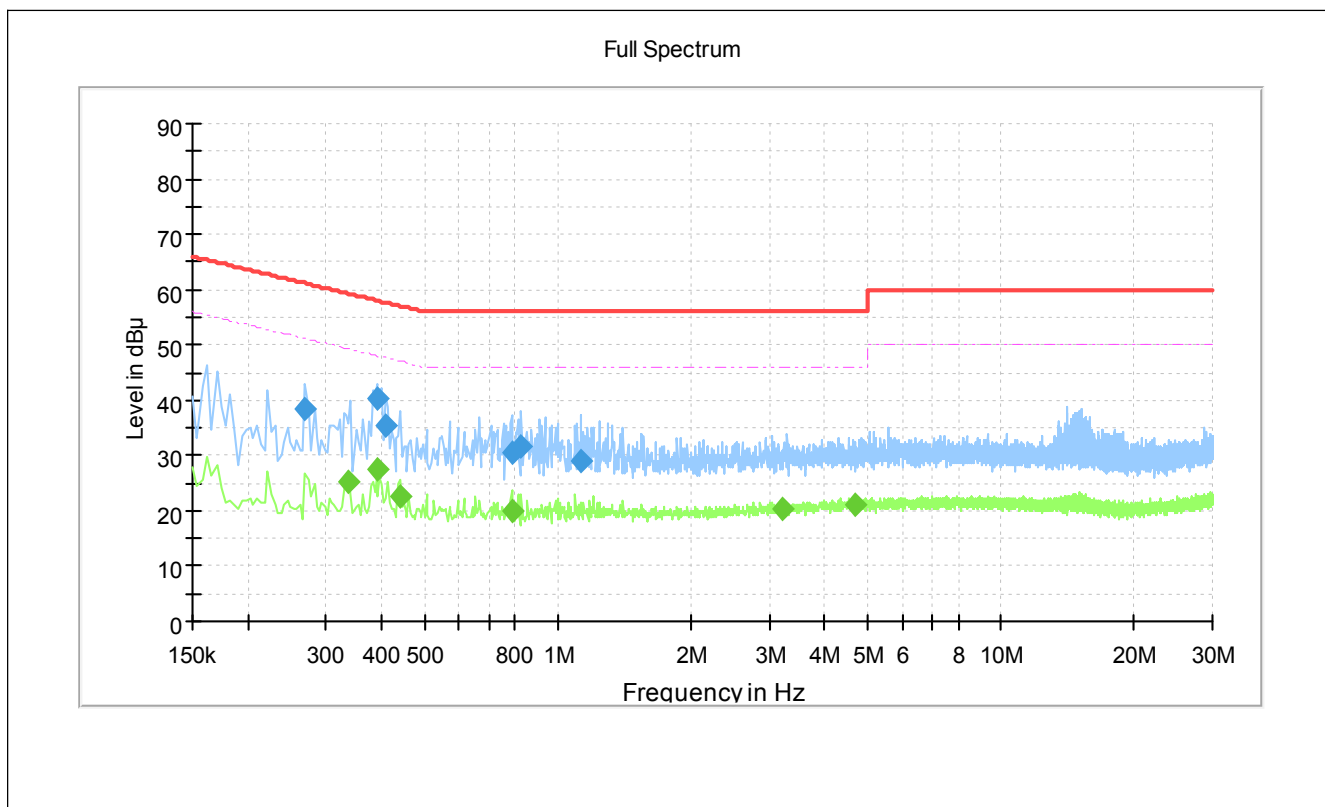
**Note:** The test voltage is AC 120V/60Hz.

**B. Test Plots:**



(Plot A: L Phase)

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.334000	---	26.24	49.35	23.11	L1	10.2
0.382000	38.70	---	58.24	19.53	L1	10.2
0.394000	38.09	---	57.98	19.89	L1	10.2
0.394000	---	23.90	47.98	24.08	L1	10.2
0.406000	36.22	---	57.73	21.51	L1	10.2
0.434000	36.88	---	57.18	20.30	L1	10.2
0.434000	---	22.28	47.18	24.90	L1	10.2
0.446000	36.99	---	56.95	19.96	L1	10.2
1.126000	30.45	---	56.00	25.55	L1	10.3
1.222000	---	19.83	46.00	26.17	L1	10.3
1.358000	---	20.10	46.00	25.90	L1	10.3
2.966000	---	20.39	46.00	25.61	L1	10.3



(Plot A: N Phase)

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.270000	38.25	---	61.12	22.87	N	10.4
0.338000	---	25.32	49.25	23.93	N	10.4
0.390000	---	27.46	48.06	20.60	N	10.4
0.390000	40.48	---	58.06	17.59	N	10.4
0.410000	35.21	---	57.65	22.43	N	10.4
0.442000	---	22.78	47.02	24.24	N	10.4
0.790000	30.65	---	56.00	25.35	N	10.4
0.790000	---	19.89	46.00	26.11	N	10.4
0.826000	31.81	---	56.00	24.19	N	10.4
1.130000	28.97	---	56.00	27.03	N	10.5
3.206000	---	20.19	46.00	25.81	N	10.6
4.674000	---	21.01	46.00	24.99	N	10.6

## 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 ( $\mu\text{V}/\text{m}$ )	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:**

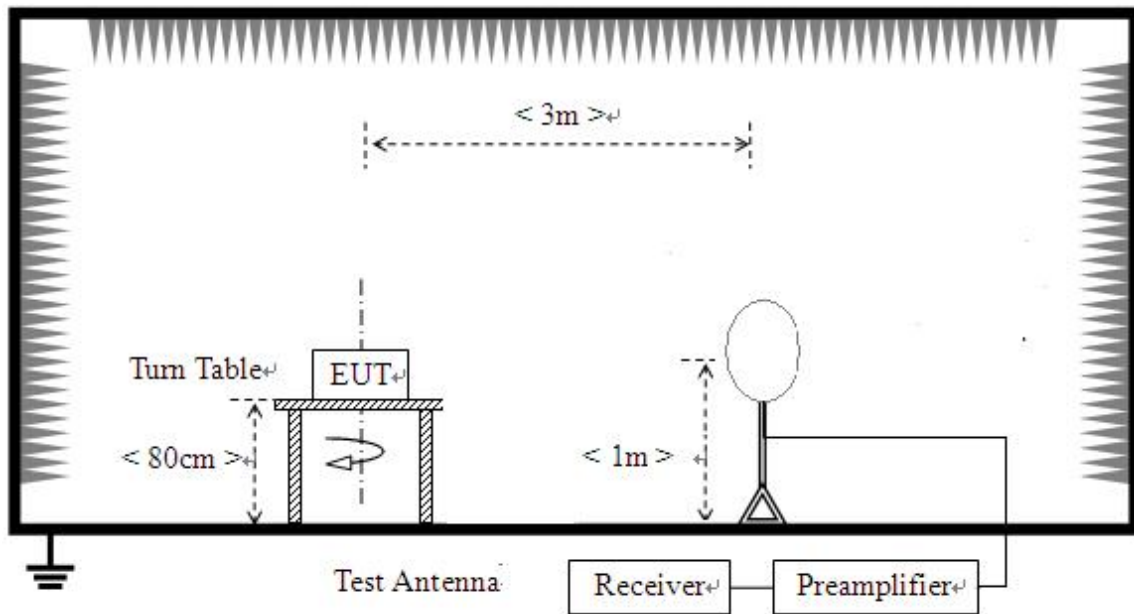
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength 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)

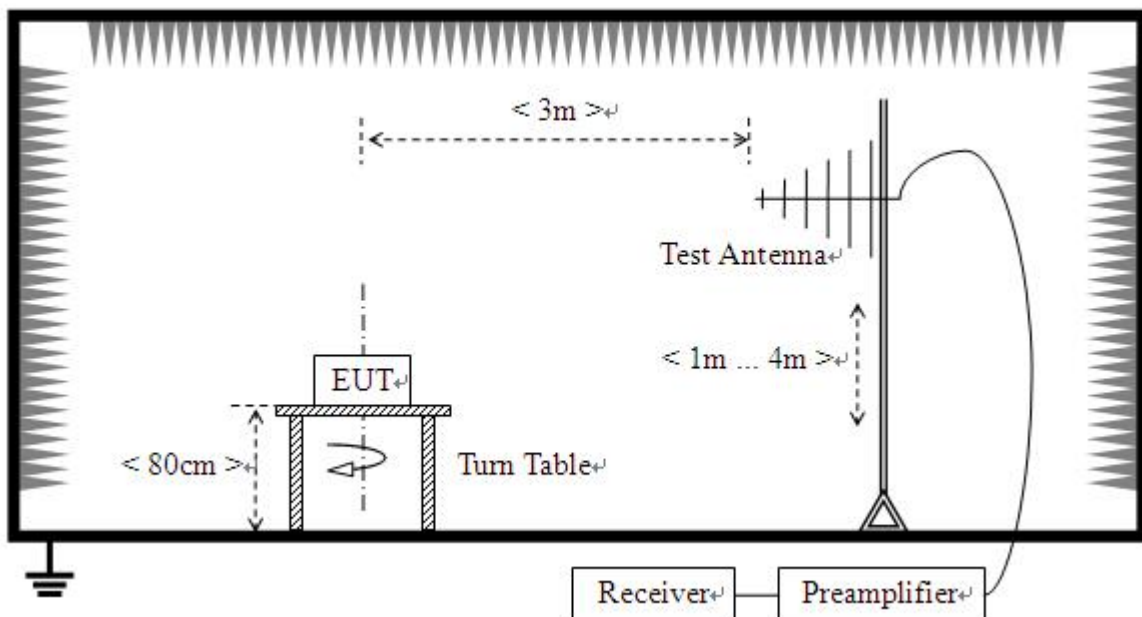
## 2.11.2. Test Description

### A. Test Setup:

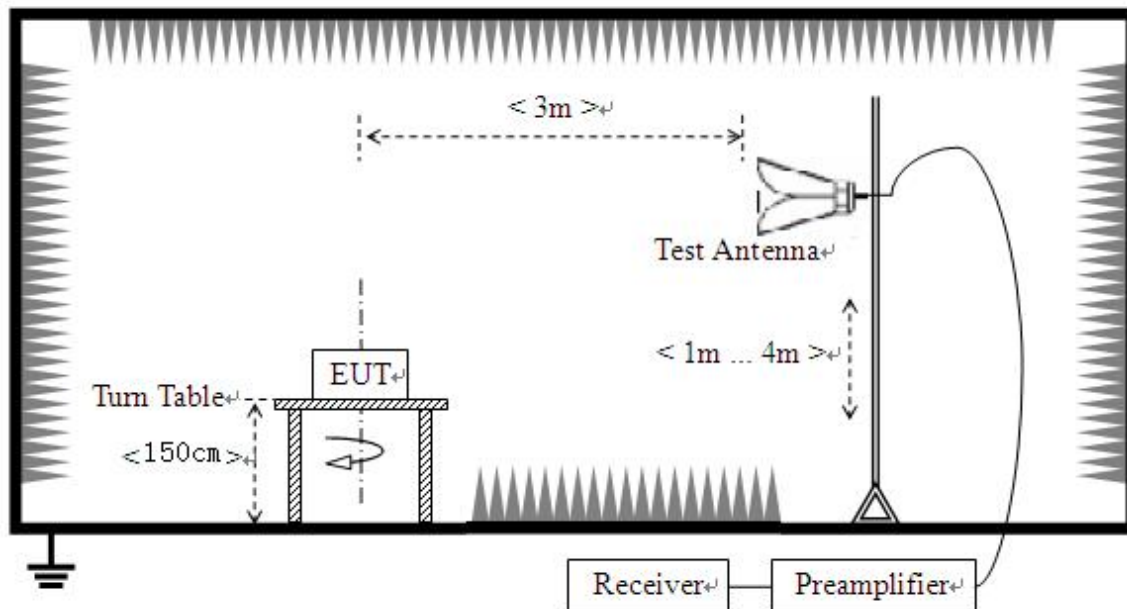
- 1) For radiated emissions from 9kHz to 30MHz



- 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

- a. 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.
- 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. 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:**

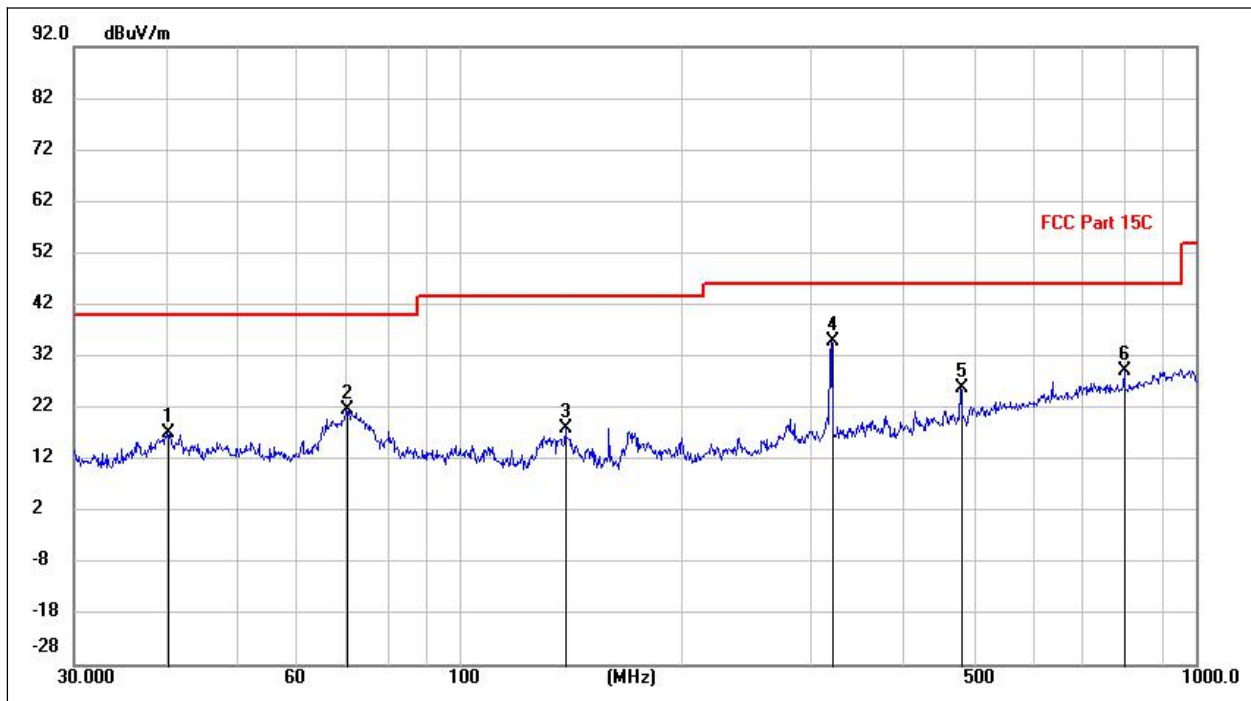
Please refer ANNEX B(4).

**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.

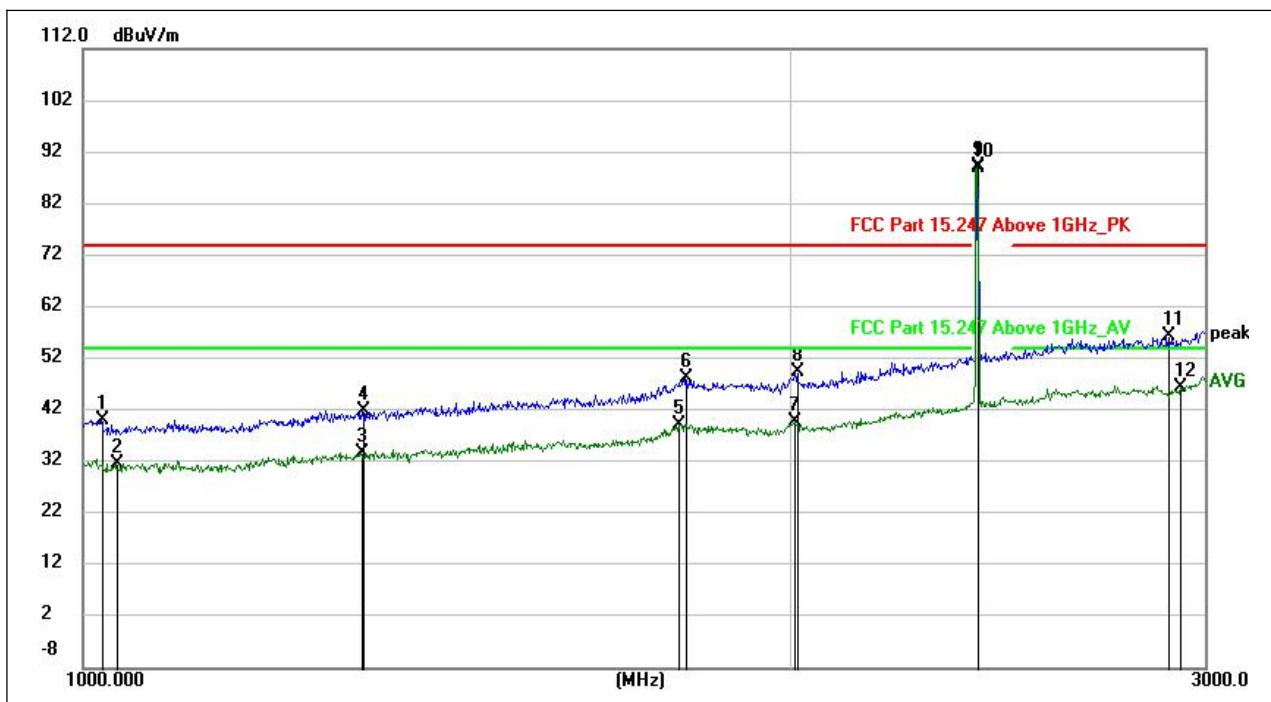
**Note2:** For the frequency, which started from 18GHz to 25GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**GFSK Test mode**



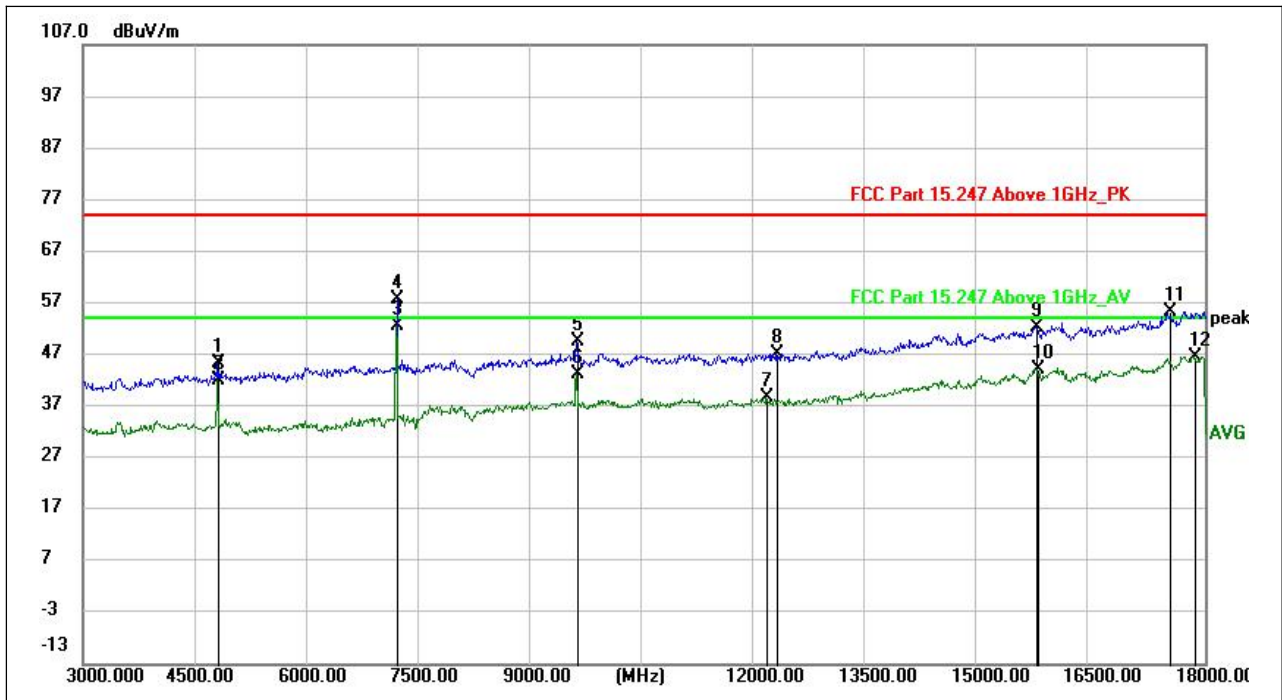
(GFSK\_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
40.2122	1.50	15.49	16.99	40.00	-23.01	peak	H
70.5217	9.83	11.70	21.53	40.00	-18.47	peak	H
139.6303	6.02	11.91	17.93	43.50	-25.57	peak	H
319.9931	16.97	18.00	34.97	46.00	-11.03	peak	H
480.0224	4.29	21.54	25.83	46.00	-20.17	peak	H
800.1012	3.02	26.13	29.15	46.00	-16.85	peak	H



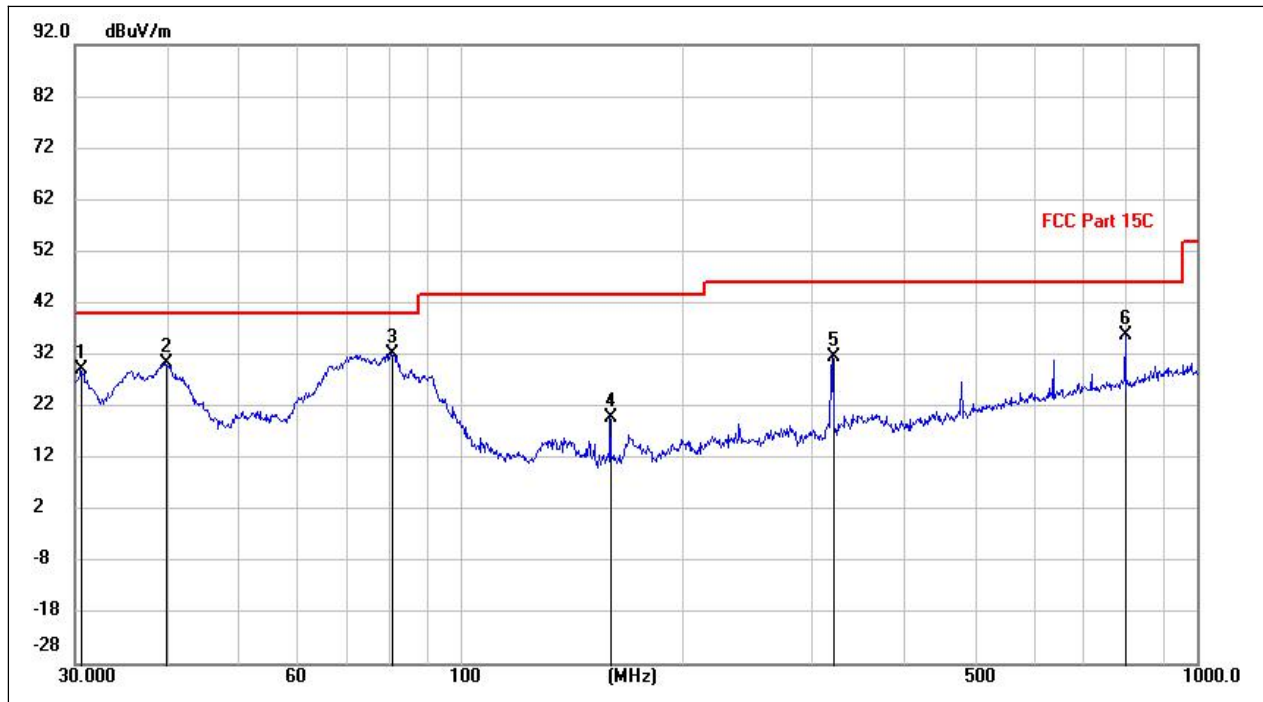
(GFSK\_2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1019.188	12.14	27.83	39.97	74.00	-34.03	peak	H
1033.735	3.42	28.23	31.65	54.00	-22.35	AVG	H
1314.340	2.87	30.78	33.65	54.00	-20.35	AVG	H
1315.135	11.18	30.78	41.96	74.00	-32.04	peak	H
1792.843	3.03	36.16	39.19	54.00	-14.81	AVG	H
1804.700	11.84	36.46	48.30	74.00	-25.70	peak	H
2008.081	2.65	37.16	39.81	54.00	-14.19	AVG	H
2012.166	12.35	36.94	49.29	74.00	-24.71	peak	H
2402.015	47.65	41.60	89.25	NA	NA	peak	H
2402.015	47.40	41.60	89.00	NA	NA	AVG	H
2894.139	12.67	43.75	56.42	74.00	-17.58	peak	H
2929.487	2.12	44.36	46.48	54.00	-7.52	AVG	H



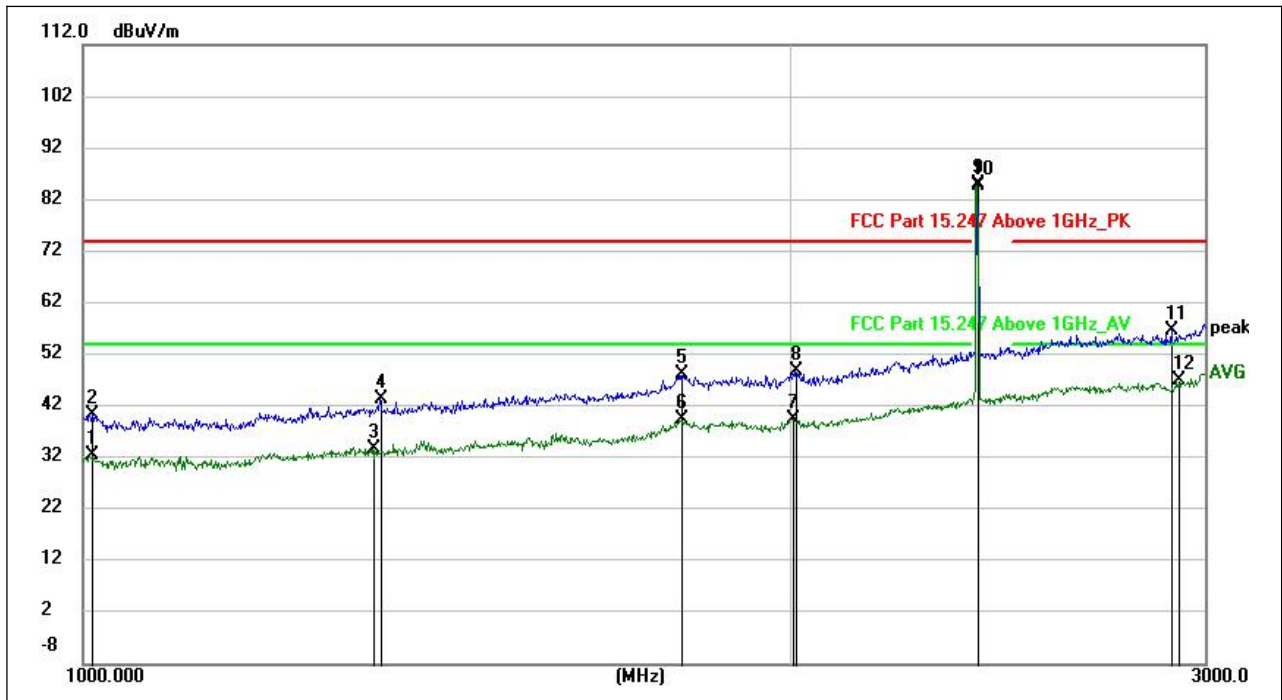
(GFSK\_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4803.750	48.80	-3.34	45.46	74.00	-28.54	peak	H
4803.750	45.37	-3.34	42.03	54.00	-11.97	AVG	H
7206.000	53.11	-0.41	52.70	54.00	-1.30	AVG	H
7206.750	58.17	-0.40	57.77	74.00	-16.23	peak	H
9608.250	47.80	1.91	49.71	74.00	-24.29	peak	H
9608.250	41.36	1.91	43.27	54.00	-10.73	AVG	H
12148.500	34.88	3.92	38.80	54.00	-15.20	AVG	H
12284.250	43.17	4.04	47.21	74.00	-26.79	peak	H
15741.750	41.16	11.12	52.28	74.00	-21.72	peak	H
15760.500	33.52	10.71	44.23	54.00	-9.77	AVG	H
17520.750	41.42	13.95	55.37	74.00	-18.63	peak	H
17853.000	31.87	14.79	46.66	54.00	-7.34	AVG	H



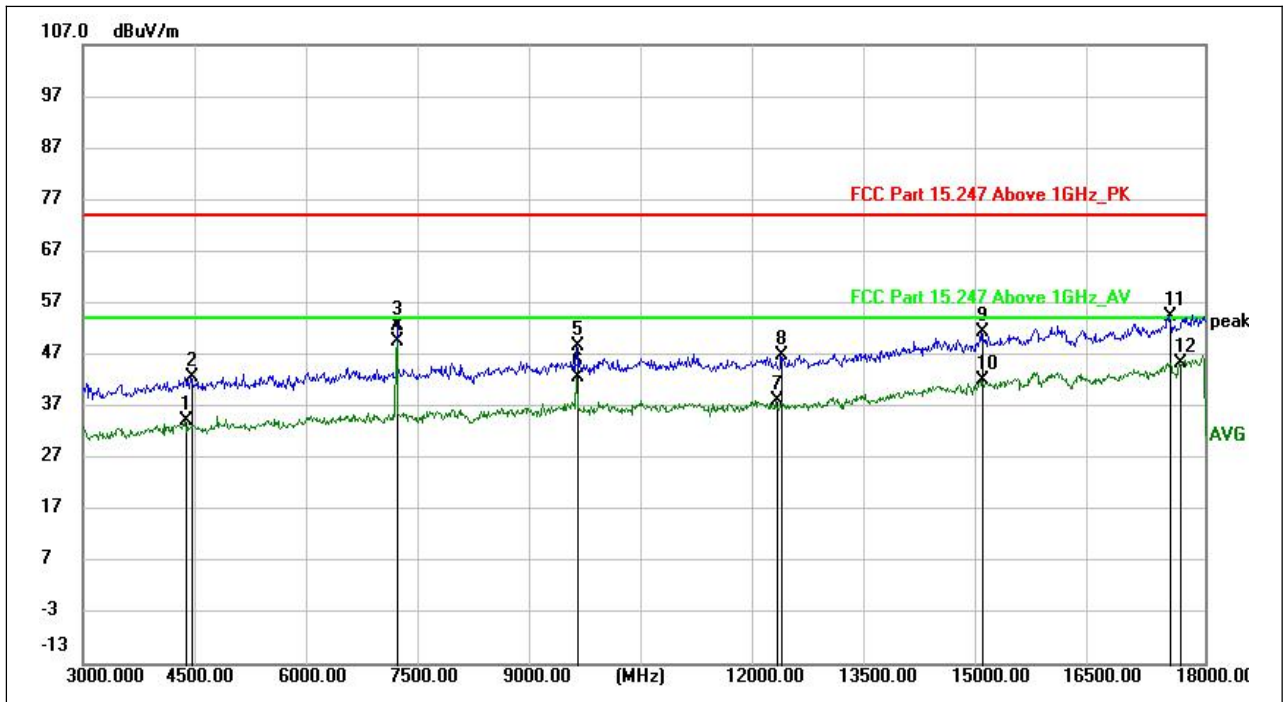
(GFSK\_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5360	16.18	12.94	29.12	40.00	-10.88	peak	V
39.8752	14.81	15.51	30.32	40.00	-9.68	peak	V
80.7008	21.63	10.63	32.26	40.00	-7.74	peak	V
159.9806	7.47	12.19	19.66	43.50	-23.84	peak	V
319.9931	13.53	18.00	31.53	46.00	-14.47	peak	V
800.1012	9.69	26.13	35.82	46.00	-10.18	peak	V



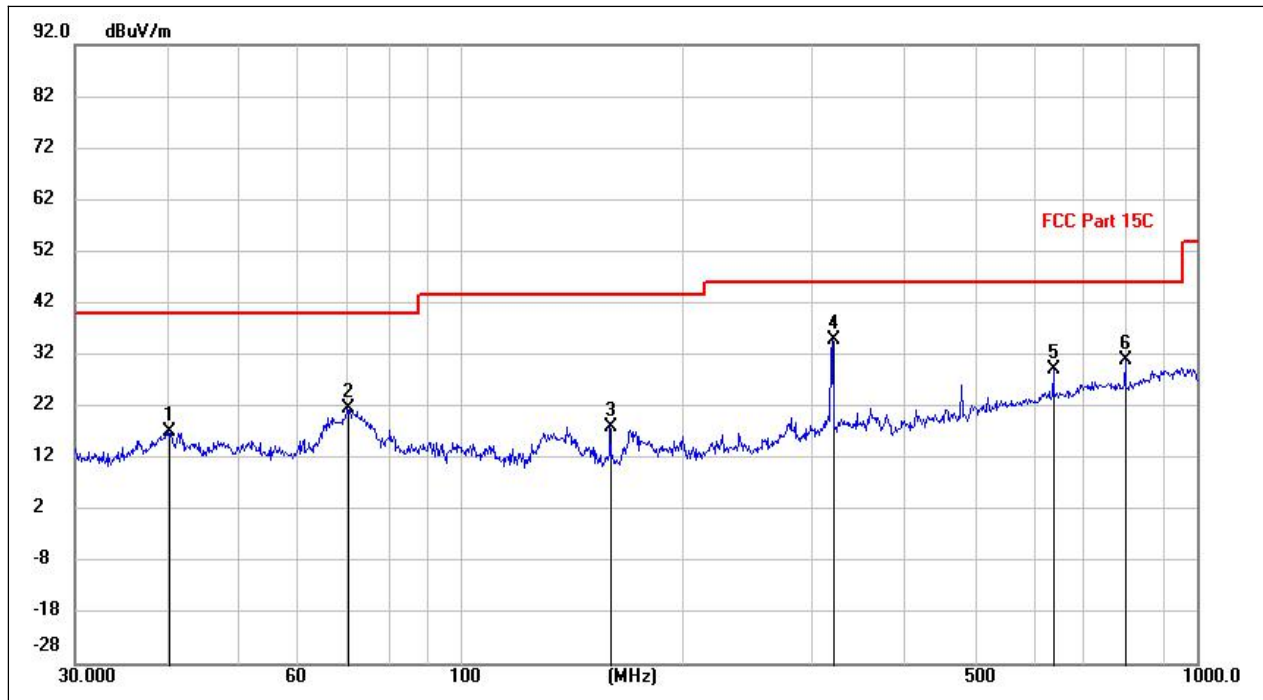
(GFSK\_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1008.495	4.08	28.41	32.49	54.00	-21.51	AVG	V
1009.659	12.10	28.35	40.45	74.00	-33.55	peak	V
1329.078	2.91	30.76	33.67	54.00	-20.33	AVG	V
1339.412	12.43	30.88	43.31	74.00	-30.69	peak	V
1796.490	11.72	36.53	48.25	74.00	-25.75	peak	V
1796.490	2.81	36.53	39.34	54.00	-14.66	AVG	V
2003.783	2.25	37.36	39.61	54.00	-14.39	AVG	V
2010.288	11.68	37.04	48.72	74.00	-25.28	peak	V
2402.015	43.51	41.60	85.11	NA	NA	peak	V
2402.015	43.26	41.60	84.86	NA	NA	AVG	V
2905.768	12.64	43.90	56.54	74.00	-17.46	peak	V
2923.860	2.66	44.27	46.93	54.00	-7.07	AVG	V



(GFSK\_2402MHz, Antenna Vertical, 3GHz to 18GHz)

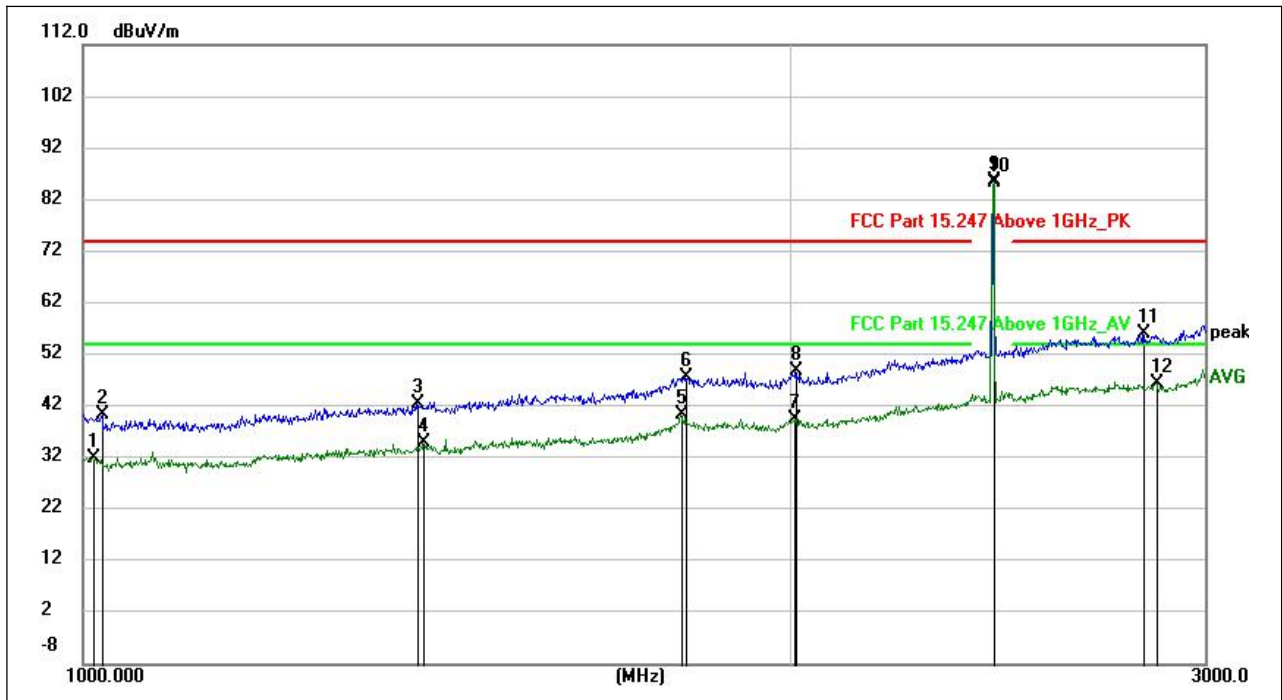
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4371.750	37.70	-3.39	34.31	54.00	-19.69	AVG	V
4454.250	46.35	-3.70	42.65	74.00	-31.35	peak	V
7206.000	52.88	-0.41	52.47	74.00	-21.53	peak	V
7206.000	49.90	-0.41	49.49	54.00	-4.51	AVG	V
9608.250	46.83	1.91	48.74	74.00	-25.26	peak	V
9608.250	40.73	1.91	42.64	54.00	-11.36	AVG	V
12277.500	34.11	4.04	38.15	54.00	-15.85	AVG	V
12342.000	42.36	4.48	46.84	74.00	-27.16	peak	V
15022.500	40.70	10.71	51.41	74.00	-22.59	peak	V
15022.500	31.38	10.71	42.09	54.00	-11.91	AVG	V
17534.250	40.06	14.39	54.45	74.00	-19.55	peak	V
17679.000	31.52	13.95	45.47	54.00	-8.53	AVG	V



(GFSK\_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

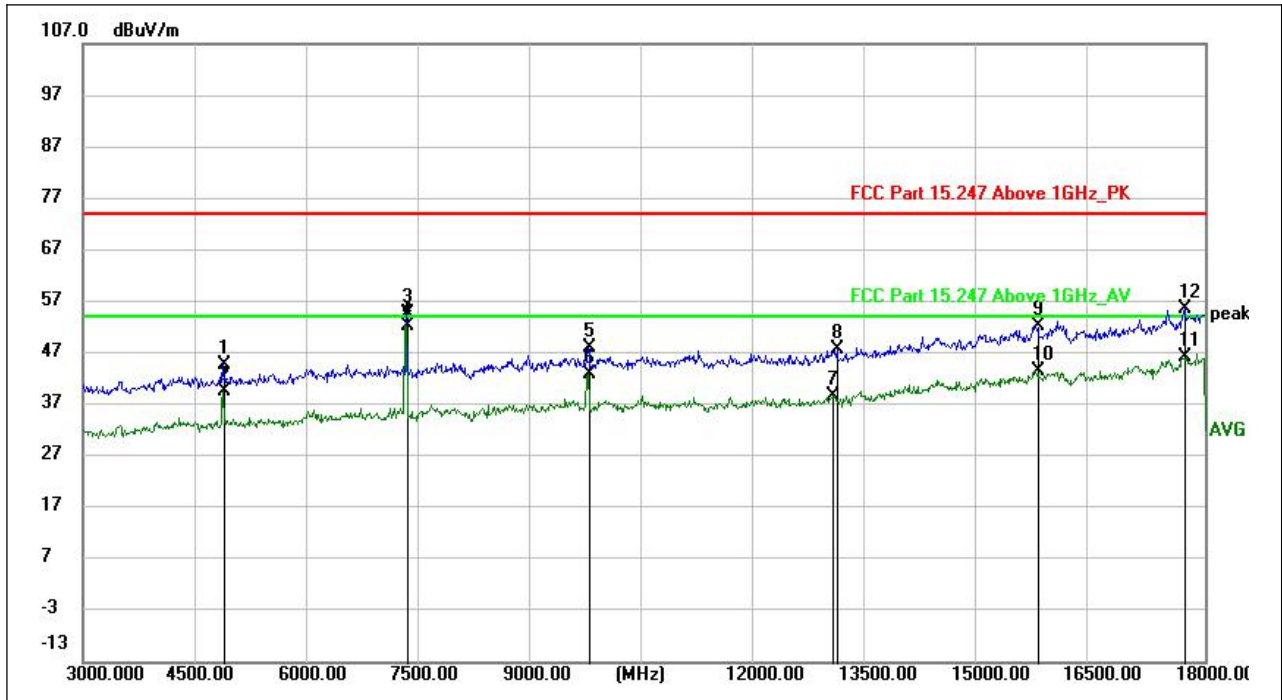
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
40.2122	1.50	15.49	16.99	40.00	-23.01	peak	H
70.5217	9.83	11.70	21.53	40.00	-18.47	peak	H
160.0087	5.84	12.20	18.04	43.50	-25.46	peak	H
319.9931	16.97	18.00	34.97	46.00	-11.03	peak	H
640.0497	5.14	24.09	29.23	46.00	-16.77	peak	H
800.1012	4.73	26.13	30.86	46.00	-15.14	peak	H





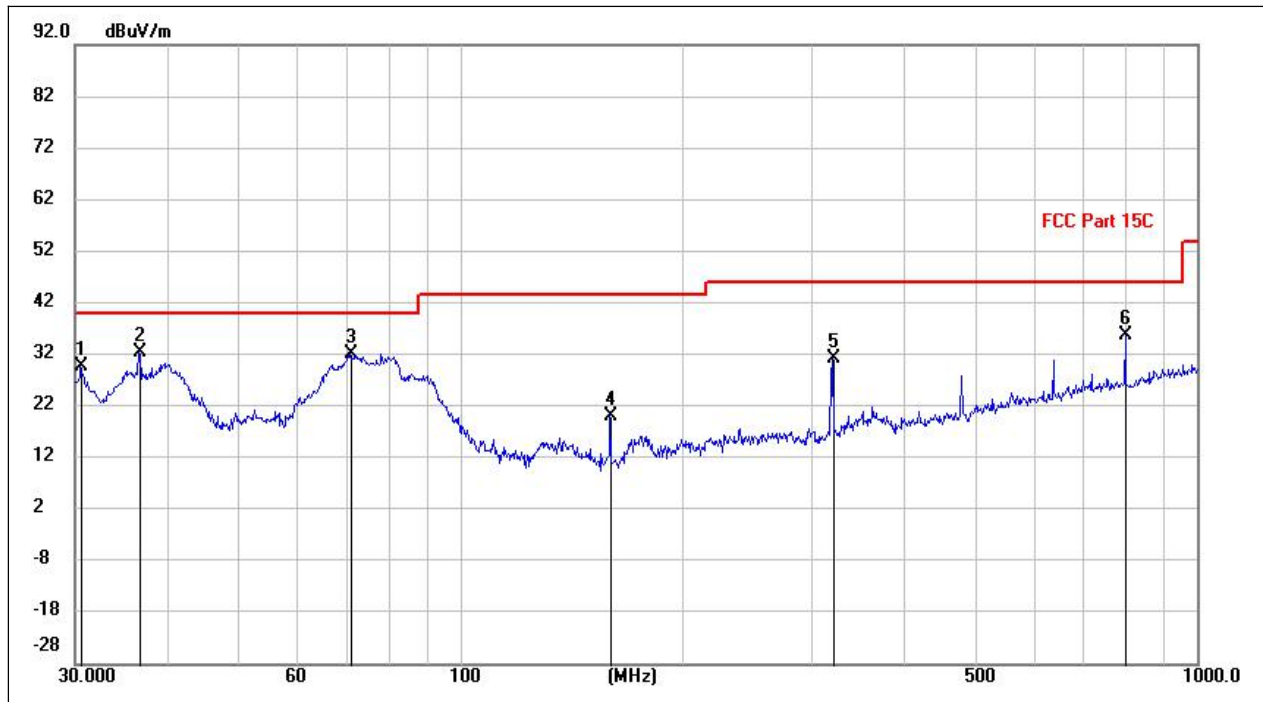
(GFSK\_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1010.325	3.73	28.31	32.04	54.00	-21.96	AVG	H
1019.916	12.46	27.80	40.26	74.00	-33.74	peak	H
1387.642	11.07	31.48	42.55	74.00	-31.45	peak	H
1395.822	3.13	31.84	34.97	54.00	-19.03	AVG	H
1797.873	3.63	36.63	40.26	54.00	-13.74	AVG	H
1805.691	11.08	36.40	47.48	74.00	-26.52	peak	H
2007.970	2.35	37.17	39.52	54.00	-14.48	AVG	H
2010.730	11.75	37.02	48.77	74.00	-25.23	peak	H
2440.988	44.87	40.81	85.68	NA	NA	peak	H
2440.988	44.60	40.81	85.41	NA	NA	AVG	H
2824.717	13.01	43.10	56.11	74.00	-17.89	peak	H
2860.946	2.23	44.06	46.29	54.00	-7.71	AVG	H



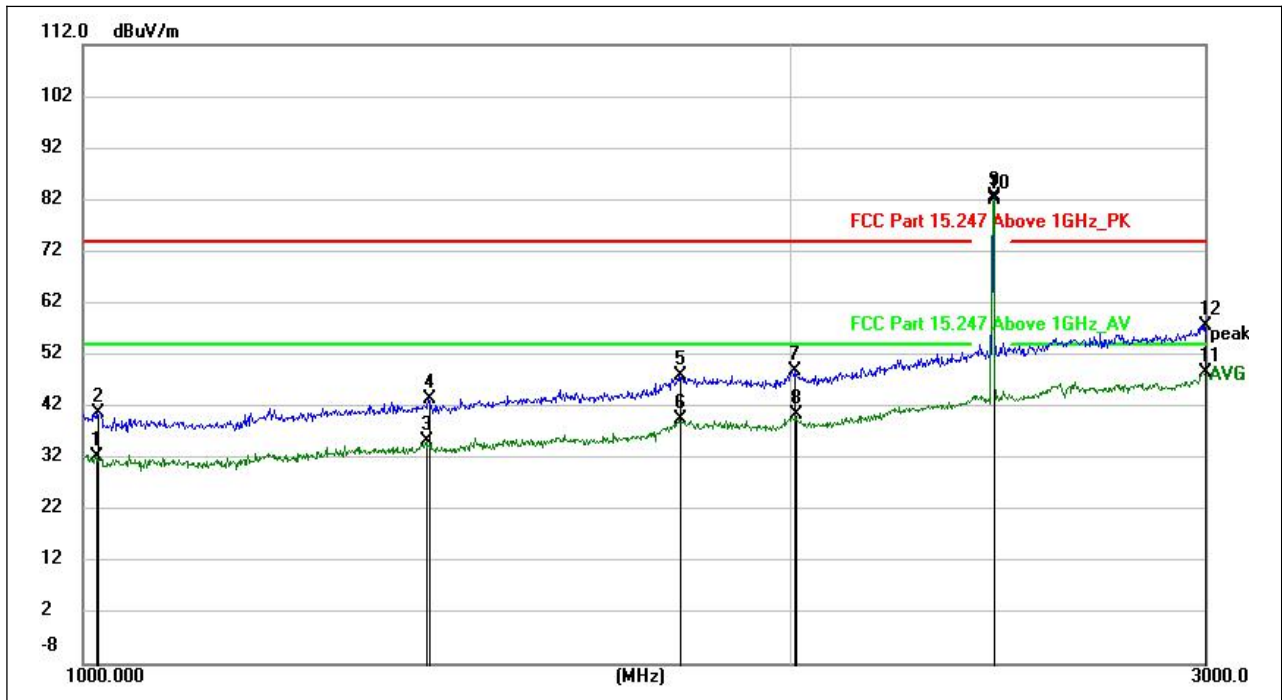
(GFSK \_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4881.750	47.46	-2.81	44.65	74.00	-29.35	peak	H
4881.750	42.37	-2.81	39.56	54.00	-14.44	AVG	H
7323.000	55.05	-0.24	54.81	74.00	-19.19	peak	H
7323.000	52.64	-0.24	52.40	54.00	-1.60	AVG	H
9764.250	46.28	1.86	48.14	74.00	-25.86	peak	H
9764.250	40.97	1.86	42.83	54.00	-11.17	AVG	H
13031.250	32.40	6.30	38.70	54.00	-15.30	AVG	H
13092.000	41.83	6.07	47.90	74.00	-26.10	peak	H
15753.000	41.37	10.87	52.24	74.00	-21.76	peak	H
15753.000	32.76	10.87	43.63	54.00	-10.37	AVG	H
17718.000	31.61	14.66	46.27	54.00	-7.73	AVG	H
17733.000	40.75	14.99	55.74	74.00	-18.26	peak	H



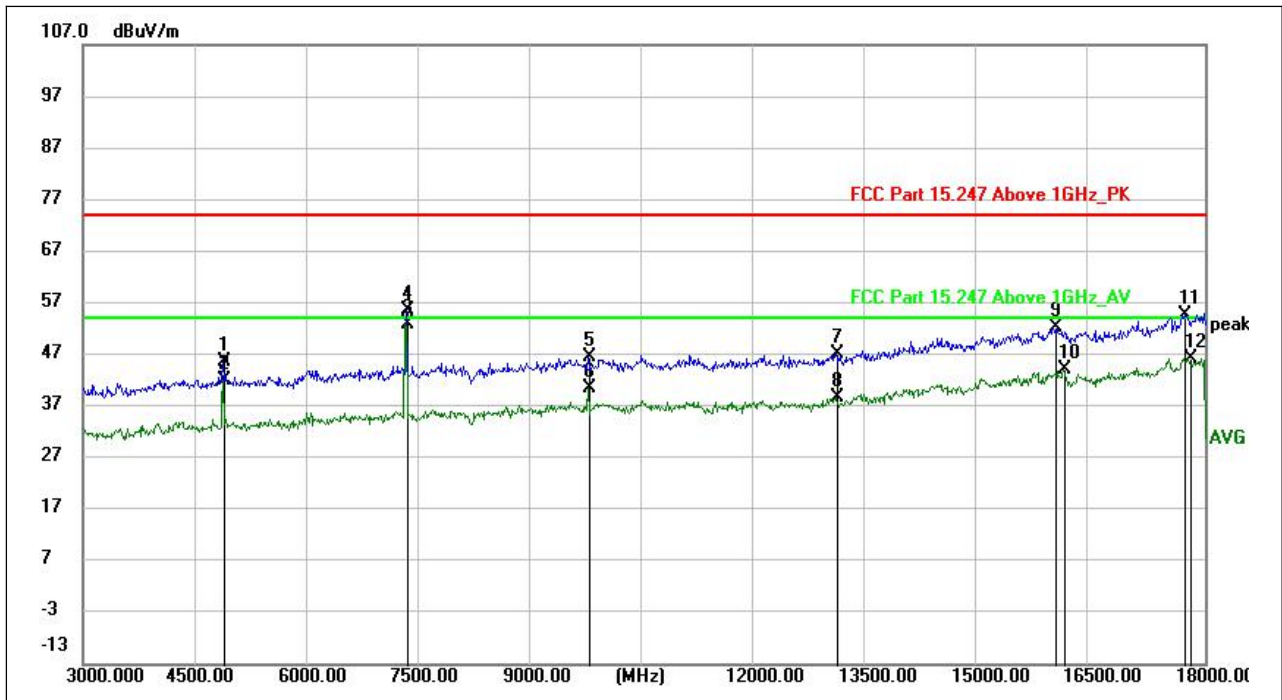
(GFSK\_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5360	16.92	12.94	29.86	40.00	-10.14	peak	V
36.7404	19.04	13.45	32.49	40.00	-7.51	peak	V
70.9931	20.75	11.34	32.09	40.00	-7.91	peak	V
159.9806	7.95	12.19	20.14	43.50	-23.36	peak	V
319.9931	13.14	18.00	31.14	46.00	-14.86	peak	V
800.1012	9.65	26.13	35.78	46.00	-10.22	peak	V



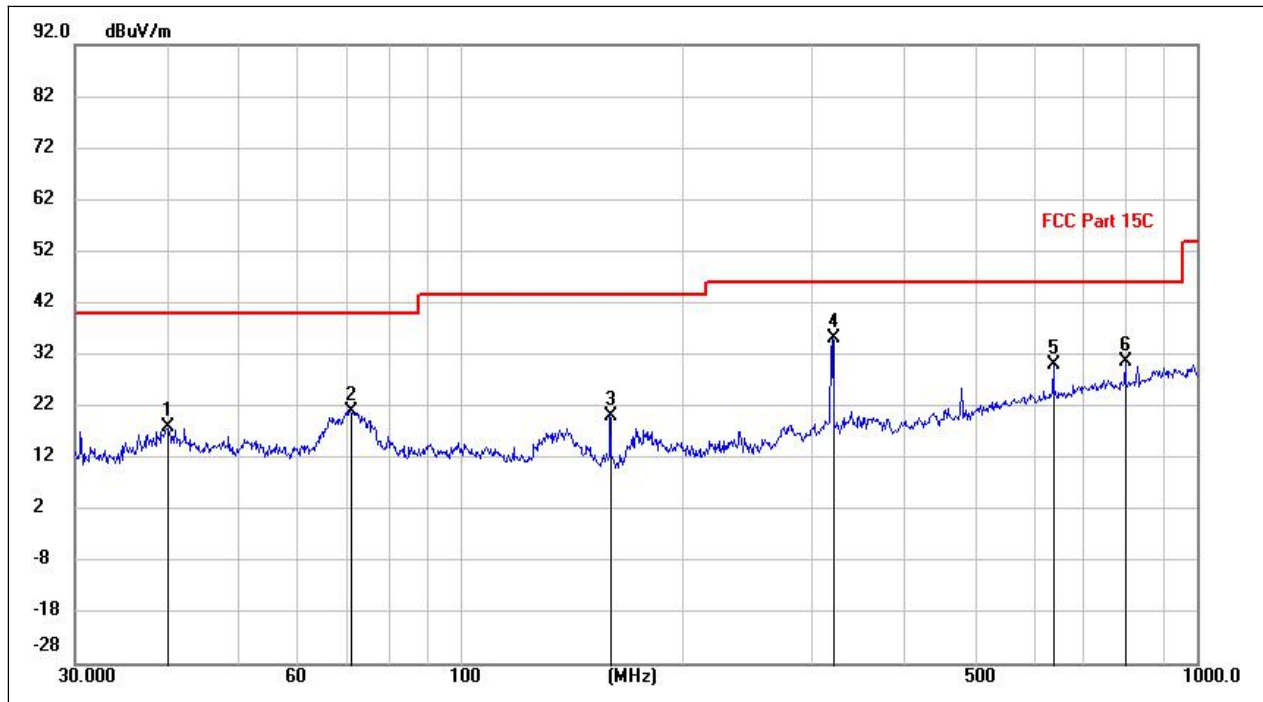
(GFSK\_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1012.825	3.99	28.17	32.16	54.00	-21.84	AVG	V
1014.552	12.53	28.07	40.60	74.00	-33.40	peak	V
1400.892	3.34	31.97	35.31	54.00	-18.69	AVG	V
1403.202	11.39	31.88	43.27	74.00	-30.73	peak	V
1795.603	11.40	36.44	47.84	74.00	-26.16	peak	V
1795.603	3.05	36.44	39.49	54.00	-14.51	AVG	V
2008.853	11.74	37.12	48.86	74.00	-25.14	peak	V
2009.626	3.32	37.08	40.40	54.00	-13.60	AVG	V
2440.988	41.71	40.81	82.52	NA	NA	peak	V
2440.988	41.31	40.81	82.12	NA	NA	AVG	V
2997.200	2.17	46.40	48.57	54.00	-5.43	AVG	V
2999.835	10.98	46.68	57.66	74.00	-16.34	peak	V



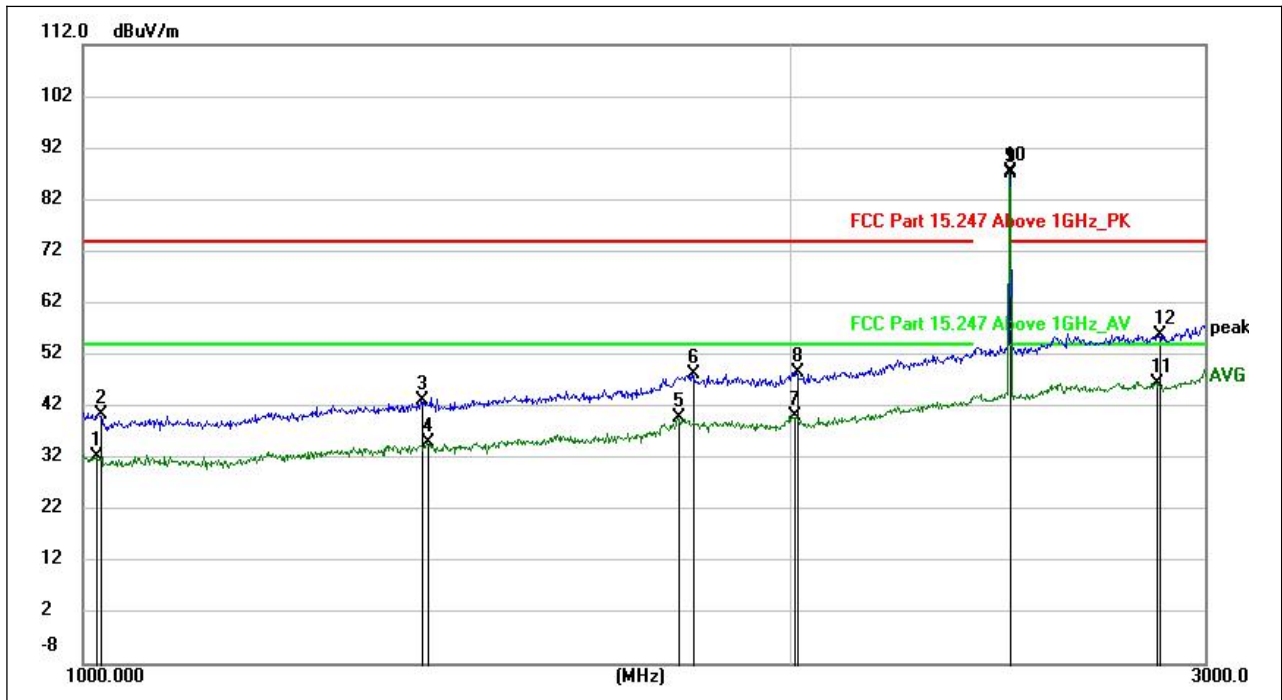
(GFSK\_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
3216.000	50.19	-6.35	43.84	74.00	-30.16	peak	V
3216.000	45.01	-6.35	38.66	54.00	-15.34	AVG	V
4824.750	60.93	-3.21	57.72	74.00	-16.28	peak	V
4824.750	53.53	-3.21	50.32	54.00	-3.68	AVG	V
7228.500	40.13	-0.36	39.77	54.00	-14.23	AVG	V
7244.250	48.51	-0.34	48.17	74.00	-25.83	peak	V
9636.750	47.02	1.74	48.76	74.00	-25.24	peak	V
9648.000	39.65	1.71	41.36	54.00	-12.64	AVG	V
13021.500	32.08	6.17	38.25	54.00	-15.75	AVG	V
13071.750	40.90	6.45	47.35	74.00	-26.65	peak	V
15960.750	41.46	11.27	52.73	74.00	-21.27	peak	V
16029.750	32.03	11.85	43.88	54.00	-10.12	AVG	V



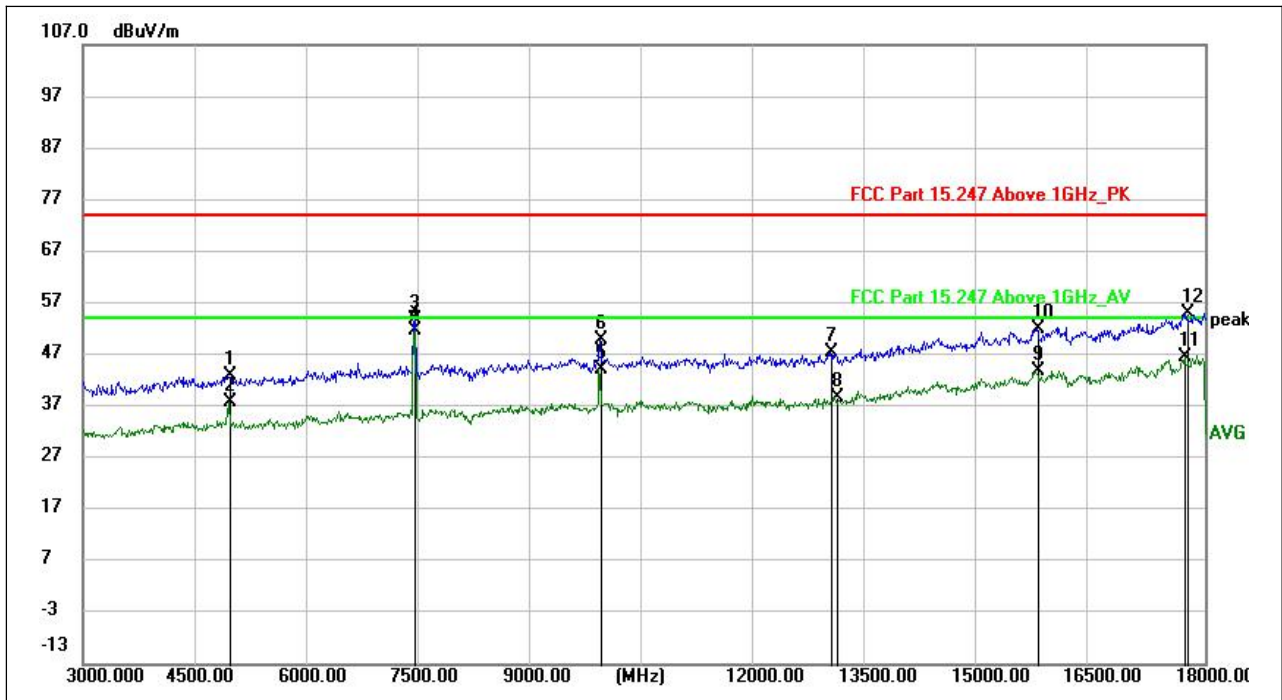
(GFSK\_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
40.0855	2.21	15.62	17.83	40.00	-22.17	peak	H
70.8688	9.55	11.43	20.98	40.00	-19.02	peak	H
160.0087	7.91	12.20	20.11	43.50	-23.39	peak	H
319.9931	17.05	18.00	35.05	46.00	-10.95	peak	H
640.0497	6.02	24.09	30.11	46.00	-15.89	peak	H
800.1012	4.38	26.13	30.51	46.00	-15.49	peak	H



(GFSK\_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

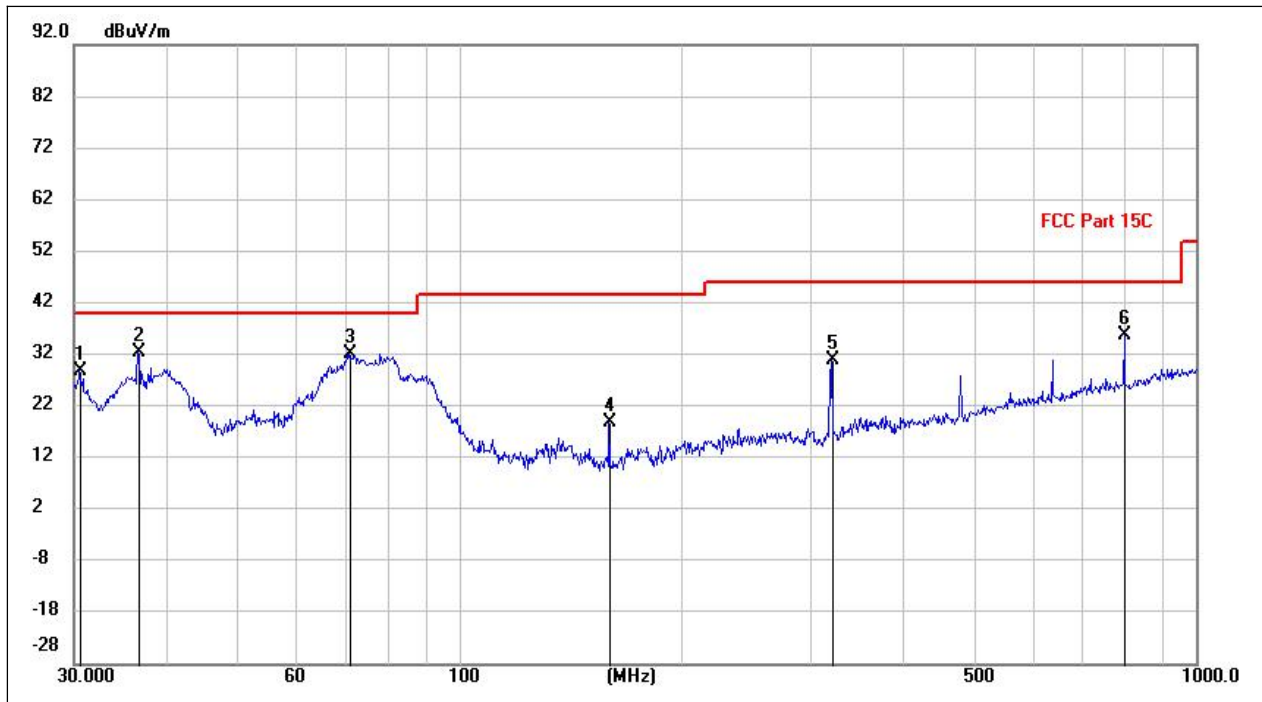
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1013.716	4.09	28.12	32.21	54.00	-21.79	AVG	H
1016.839	12.42	27.95	40.37	74.00	-33.63	peak	H
1393.677	11.48	31.74	43.22	74.00	-30.78	peak	H
1402.586	3.09	31.90	34.99	54.00	-19.01	AVG	H
1792.154	3.58	36.09	39.67	54.00	-14.33	AVG	H
1817.533	12.56	35.57	48.13	74.00	-25.87	peak	H
2004.554	2.87	37.35	40.22	54.00	-13.78	AVG	H
2012.829	11.72	36.90	48.62	74.00	-25.38	peak	H
2480.047	45.26	41.77	87.03	NA	NA	AVG	H
2480.184	45.72	41.76	87.48	NA	NA	peak	H
2863.776	2.35	44.16	46.51	54.00	-7.49	AVG	H
2870.233	11.56	44.24	55.80	74.00	-18.20	peak	H



(GFSK\_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

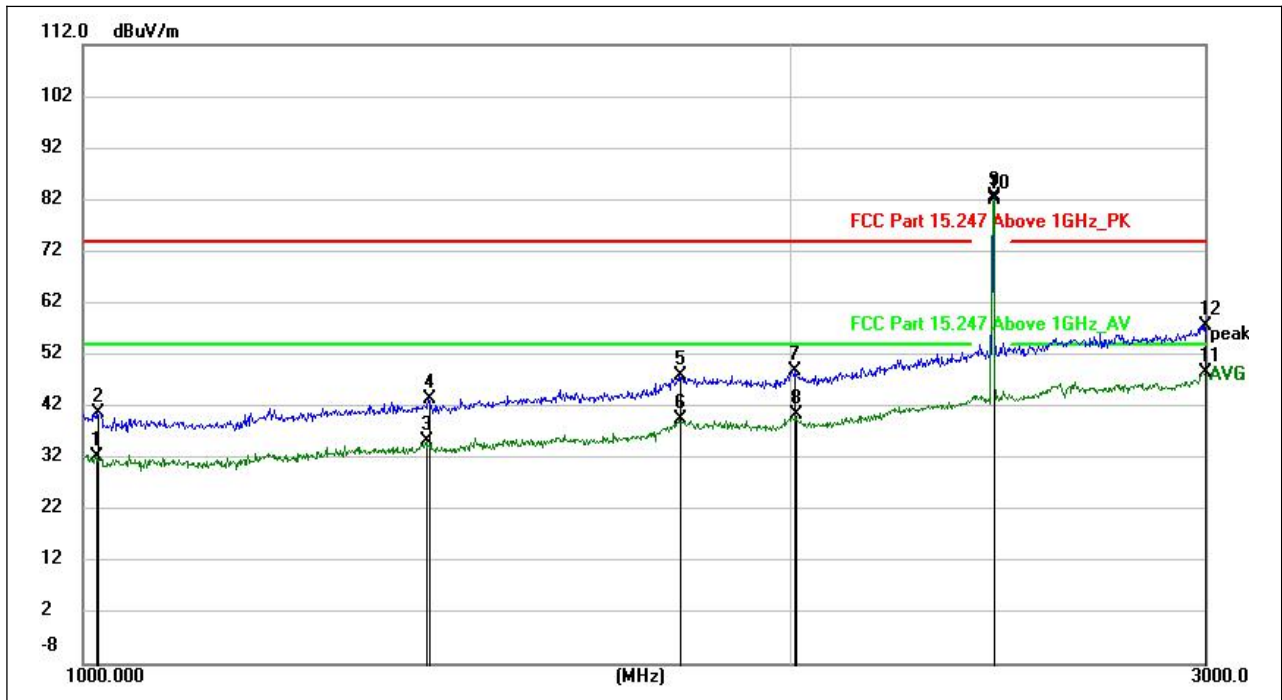
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4959.000	45.95	-3.05	42.90	74.00	-31.10	peak	H
4959.750	40.81	-3.06	37.75	54.00	-16.25	AVG	H
7440.000	54.16	-0.31	53.85	74.00	-20.15	peak	H
7440.000	51.86	-0.31	51.55	54.00	-2.45	AVG	H
9919.500	41.89	2.14	44.03	54.00	-9.97	AVG	H
9920.250	47.84	2.14	49.98	74.00	-24.02	peak	H
12994.500	41.52	5.85	47.37	74.00	-26.63	peak	H
13071.000	32.18	6.47	38.65	54.00	-15.35	AVG	H
15755.250	33.16	10.82	43.98	54.00	-10.02	AVG	H
15763.500	41.45	10.64	52.09	74.00	-21.91	peak	H
17738.250	31.55	15.10	46.65	54.00	-7.35	AVG	H
17771.250	39.97	15.01	54.98	74.00	-19.02	peak	H





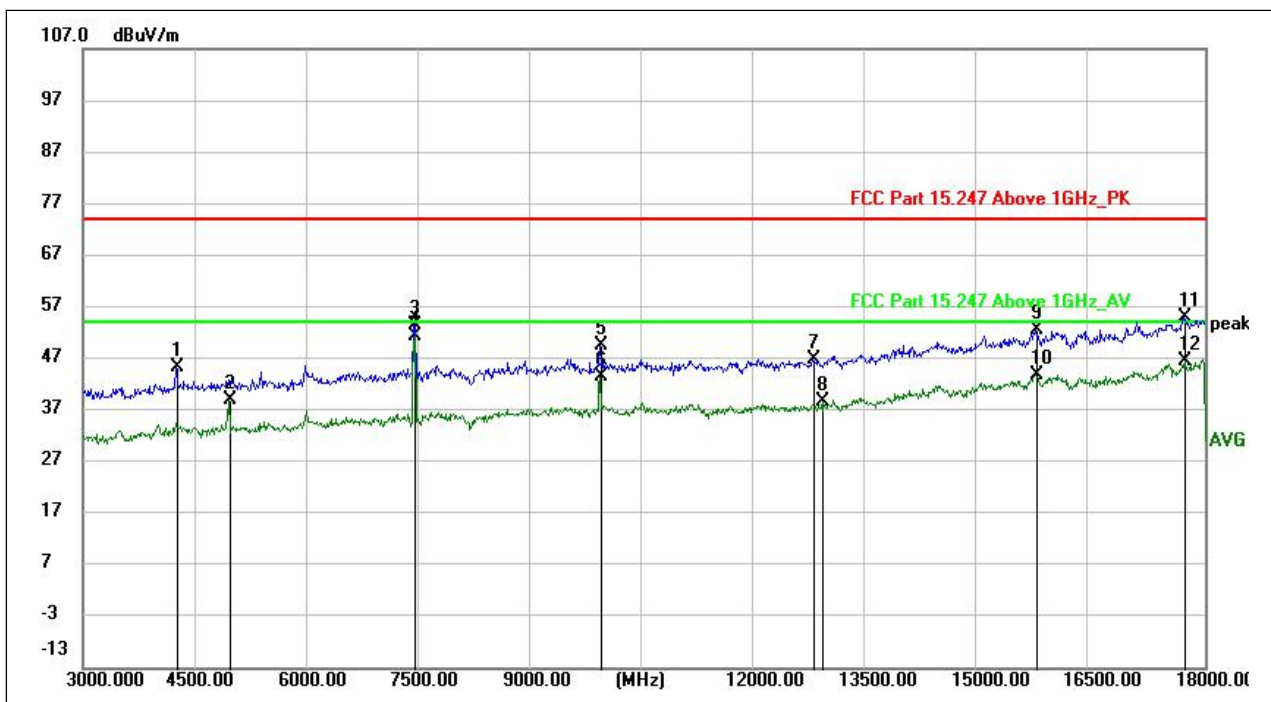
(GFSK\_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5360	16.00	12.94	28.94	40.00	-11.06	peak	V
36.7404	19.04	13.45	32.49	40.00	-7.51	peak	V
70.9931	20.75	11.34	32.09	40.00	-7.91	peak	V
160.0087	6.62	12.20	18.82	43.50	-24.68	peak	V
320.0492	13.08	17.99	31.07	46.00	-14.93	peak	V
800.1012	9.65	26.13	35.78	46.00	-10.22	peak	V



(GFSK\_2480MHz, Antenna Vertical , 1GHz to 3GHz)

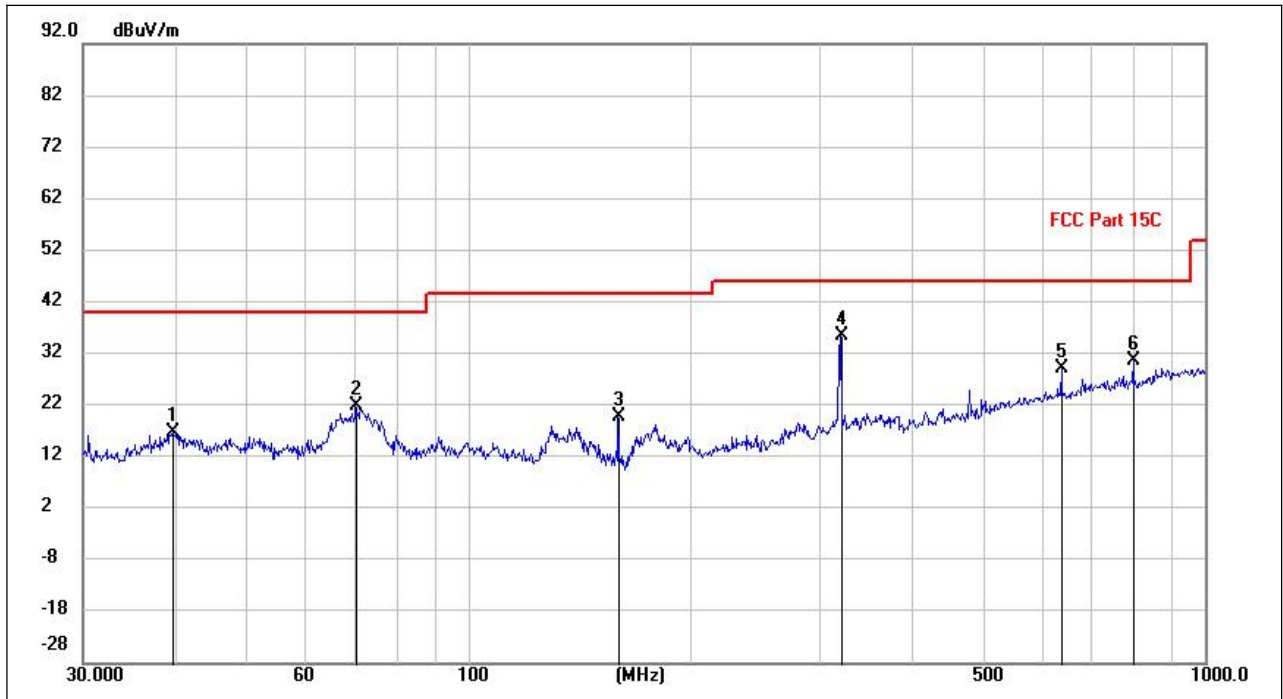
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1012.825	3.99	28.17	32.16	54.00	-21.84	AVG	V
1014.552	12.53	28.07	40.60	74.00	-33.40	peak	V
1400.892	3.34	31.97	35.31	54.00	-18.69	AVG	V
1403.202	11.39	31.88	43.27	74.00	-30.73	peak	V
1795.603	11.40	36.44	47.84	74.00	-26.16	peak	V
1795.603	3.05	36.44	39.49	54.00	-14.51	AVG	V
2008.853	11.74	37.12	48.86	74.00	-25.14	peak	V
2009.626	3.32	37.08	40.40	54.00	-13.60	AVG	V
2440.988	41.71	40.81	82.52	NA	NA	peak	V
2440.988	41.31	40.81	82.12	NA	NA	AVG	V
2997.200	2.17	46.40	48.57	54.00	-5.43	AVG	V
2999.835	10.98	46.68	57.66	74.00	-16.34	peak	V



(GFSK\_2480MHz, Antenna Vertical, 3GHz to 18GHz)

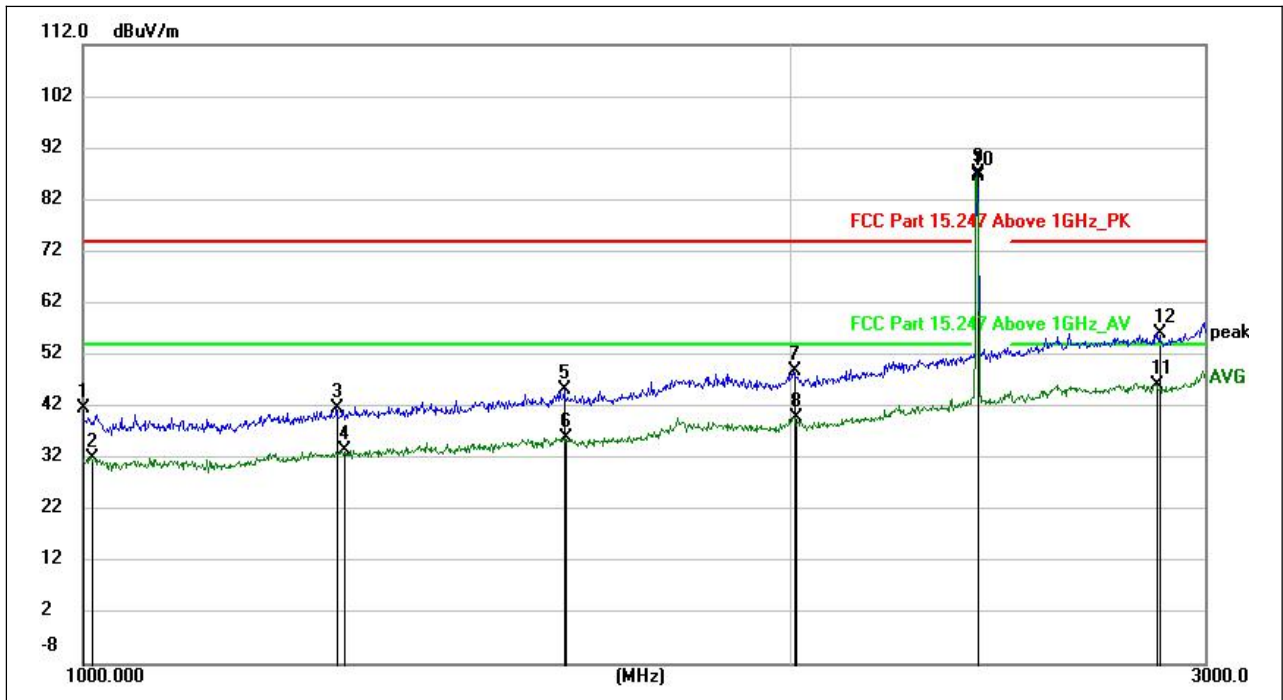
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4251.750	48.97	-3.66	45.31	74.00	-28.69	peak	V
4959.750	41.90	-2.88	39.02	54.00	-14.98	AVG	V
7440.000	53.91	-0.35	53.56	74.00	-20.44	peak	V
7440.000	51.61	-0.35	51.26	54.00	-2.74	AVG	V
9920.250	47.06	2.56	49.62	74.00	-24.38	peak	V
9920.250	40.90	2.56	43.46	54.00	-10.54	AVG	V
12765.000	41.84	5.08	46.92	74.00	-27.08	peak	V
12893.250	33.79	4.95	38.74	54.00	-15.26	AVG	V
15747.000	41.57	11.00	52.57	74.00	-21.43	peak	V
15747.000	32.75	11.00	43.75	54.00	-10.25	AVG	V
17728.500	40.08	14.89	54.97	74.00	-19.03	peak	V
17736.750	31.36	15.06	46.42	54.00	-7.58	AVG	V

$\pi/4$ -DQPSK Test mode



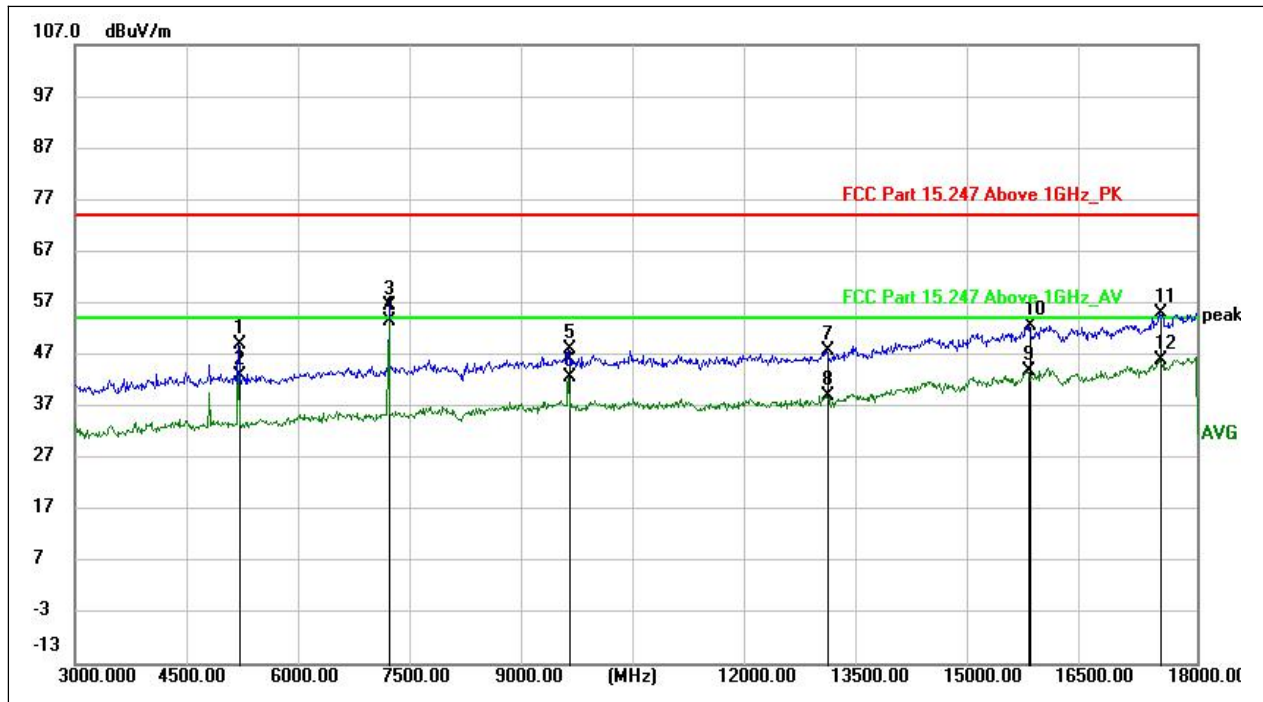
( $\pi/4$ -DQPSK \_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
39.8193	1.25	15.43	16.68	40.00	-23.32	peak	H
70.4723	10.02	11.73	21.75	40.00	-18.25	peak	H
159.9806	7.61	12.19	19.80	43.50	-23.70	peak	H
319.9931	17.56	18.00	35.56	46.00	-10.44	peak	H
640.0497	5.05	24.09	29.14	46.00	-16.86	peak	H
800.1012	4.60	26.13	30.73	46.00	-15.27	peak	H



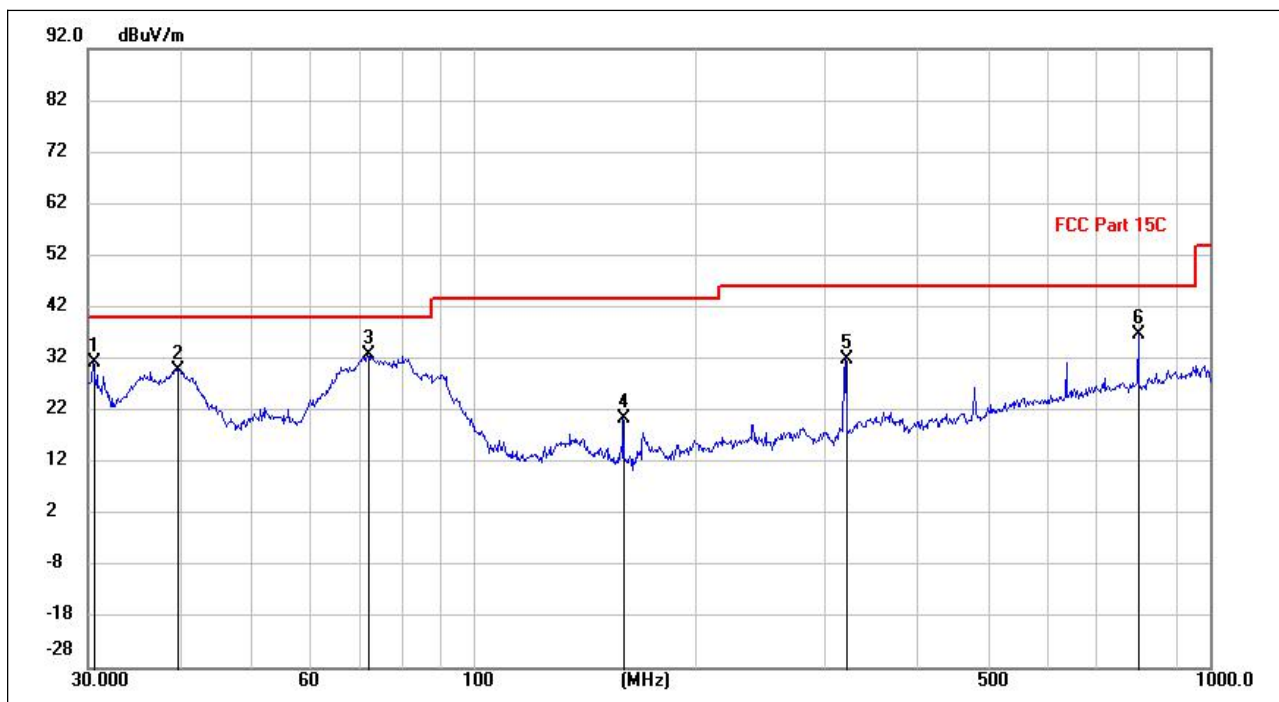
( $\pi/4$ -DQPSK \_2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1000.0000	12.84	28.63	41.47	74.00	-32.53	peak	H
1008.938	3.71	28.39	32.10	54.00	-21.90	AVG	H
1283.025	10.99	30.67	41.66	74.00	-32.34	peak	H
1291.155	2.68	30.65	33.33	54.00	-20.67	AVG	H
1602.875	11.01	34.13	45.14	74.00	-28.86	peak	H
1604.725	1.79	34.08	35.87	54.00	-18.13	AVG	H
2007.750	11.52	37.18	48.70	74.00	-25.30	peak	H
2009.184	2.66	37.10	39.76	54.00	-14.24	AVG	H
2402.147	45.53	41.60	87.13	NA	NA	peak	H
2402.147	45.00	41.60	86.60	NA	NA	AVG	H
2862.203	2.02	44.11	46.13	54.00	-7.87	AVG	H
2869.287	11.74	44.25	55.99	74.00	-18.01	peak	H



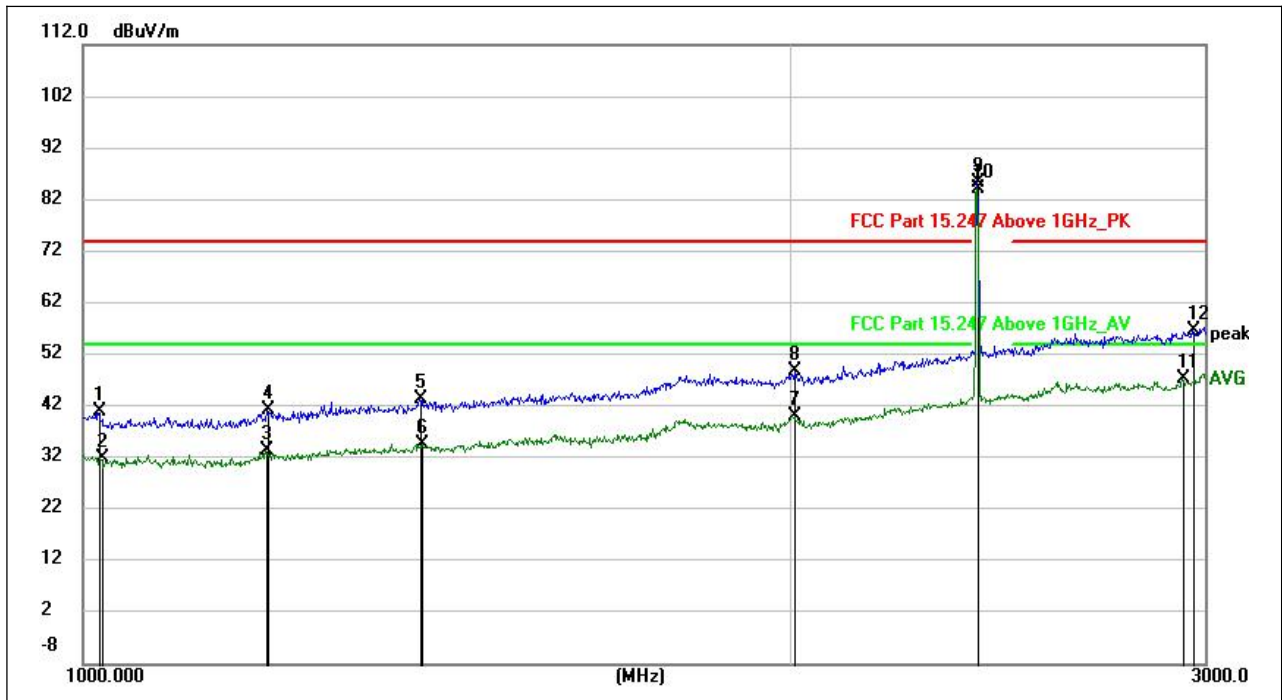
( $\pi/4$ -DQPSK\_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
5201.250	51.93	-3.00	48.93	74.00	-25.07	peak	H
5201.250	45.93	-3.00	42.93	54.00	-11.07	AVG	H
7205.250	56.92	-0.41	56.51	74.00	-17.49	peak	H
7205.250	53.83	-0.41	53.42	54.00	-0.58	AVG	H
9608.250	46.16	1.91	48.07	74.00	-25.93	peak	H
9608.250	40.57	1.91	42.48	54.00	-11.52	AVG	H
13061.250	41.12	6.65	47.77	74.00	-26.23	peak	H
13061.250	32.30	6.65	38.95	54.00	-15.05	AVG	H
15744.000	32.72	11.07	43.79	54.00	-10.21	AVG	H
15768.750	41.91	10.53	52.44	74.00	-21.56	peak	H
17516.250	40.86	14.02	54.88	74.00	-19.12	peak	H
17516.250	31.87	14.02	45.89	54.00	-8.11	AVG	H



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

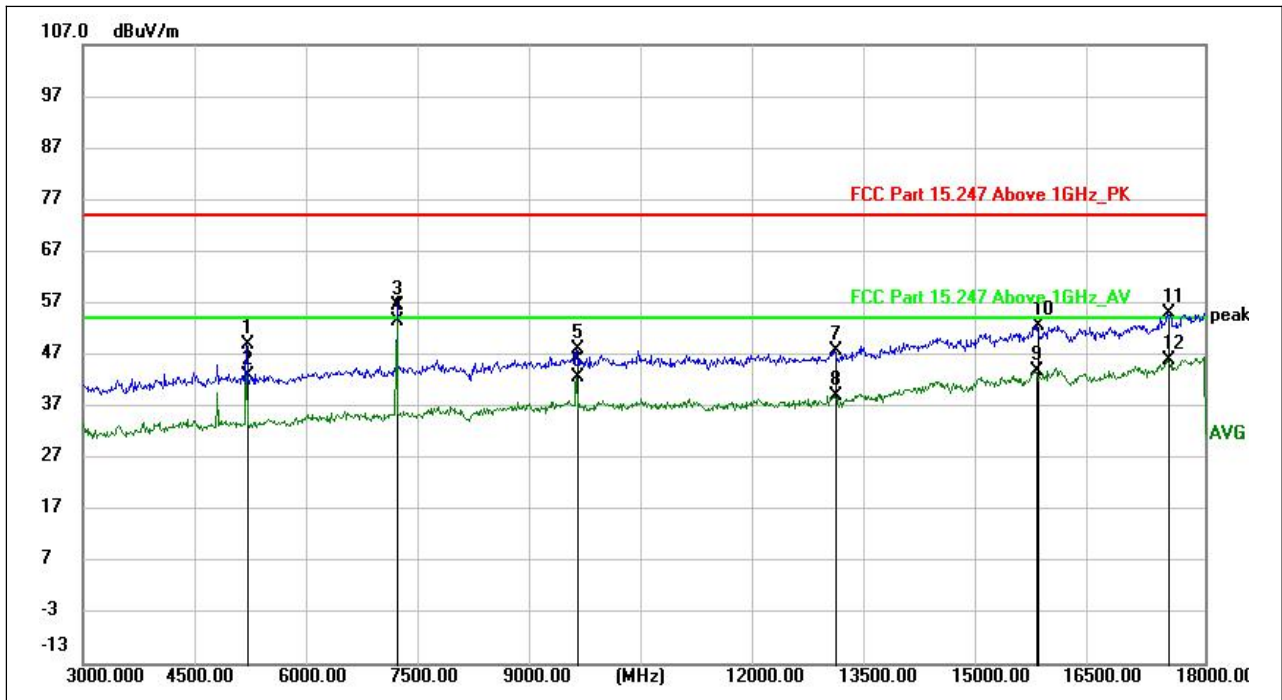
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5360	18.45	12.94	31.39	40.00	-8.61	peak	V
39.6452	14.72	15.16	29.88	40.00	-10.12	peak	V
71.9076	22.07	10.63	32.70	40.00	-7.30	peak	V
160.0087	8.11	12.20	20.31	43.50	-23.19	peak	V
319.9931	13.79	18.00	31.79	46.00	-14.21	peak	V
800.1012	10.44	26.13	36.57	46.00	-9.43	peak	V



( $\pi/4$ -DQPSK \_2402MHz, Antenna Vertical , 1GHz to 3GHz)

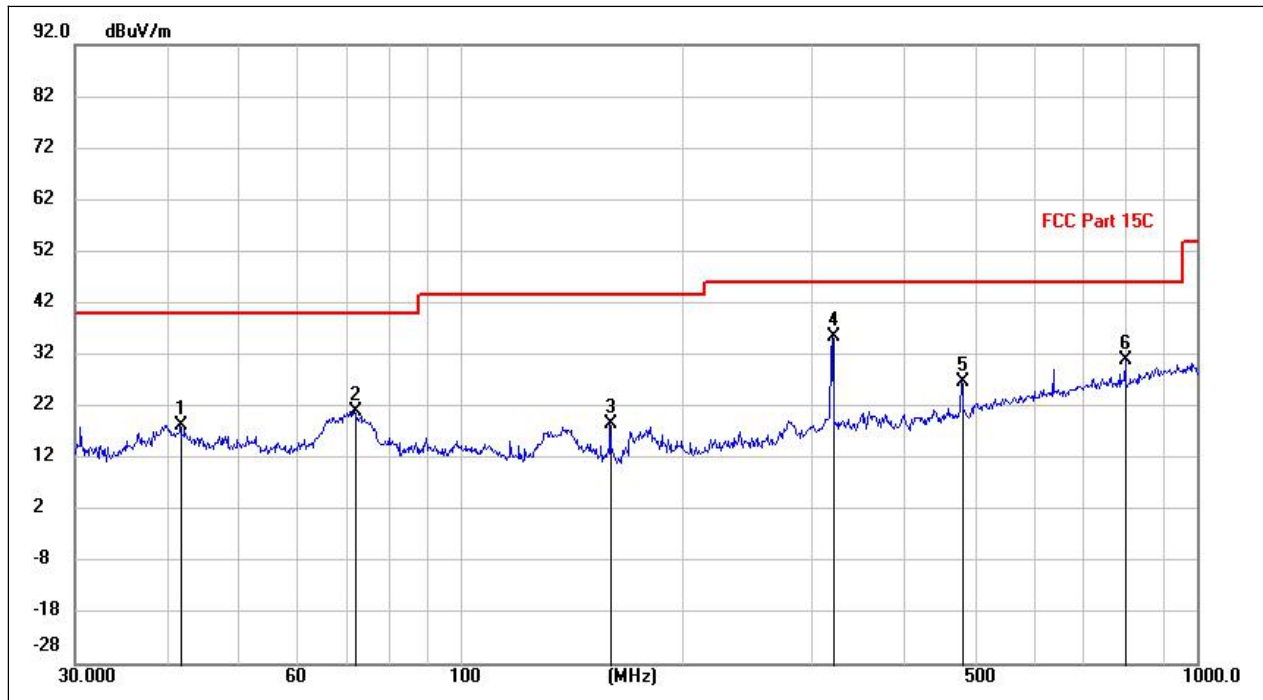
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1015.555	13.02	28.01	41.03	74.00	-32.97	peak	V
1018.013	4.21	27.88	32.09	54.00	-21.91	AVG	V
1197.292	2.93	30.51	33.44	54.00	-20.56	AVG	V
1199.530	10.51	30.67	41.18	74.00	-32.82	peak	V
1391.535	11.65	31.66	43.31	74.00	-30.69	peak	V
1394.520	3.03	31.77	34.80	54.00	-19.20	AVG	V
2004.994	2.90	37.33	40.23	54.00	-13.77	AVG	V
2008.522	11.82	37.14	48.96	74.00	-25.04	peak	V
2402.147	43.77	41.60	85.37	NA	NA	peak	V
2402.147	42.47	41.60	84.07	NA	NA	AVG	V
2938.028	2.88	44.46	47.34	54.00	-6.66	AVG	V
2967.059	11.92	44.63	56.55	74.00	-17.45	peak	V





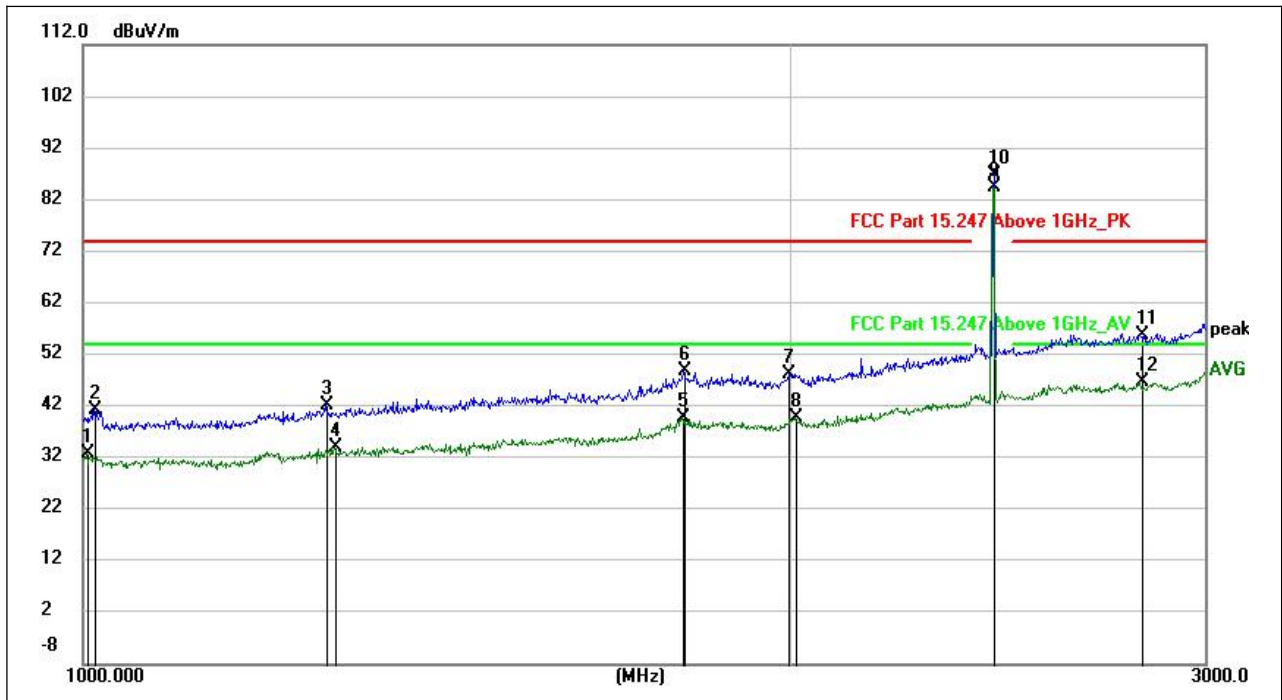
( $\pi/4$ -DQPSK\_2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
5201.250	51.93	-3.00	48.93	74.00	-25.07	peak	V
5201.250	45.93	-3.00	42.93	54.00	-11.07	AVG	V
7205.250	56.92	-0.41	56.51	74.00	-17.49	peak	V
7205.250	53.83	-0.41	53.42	54.00	-0.58	AVG	V
9608.250	46.16	1.91	48.07	74.00	-25.93	peak	V
9608.250	40.57	1.91	42.48	54.00	-11.52	AVG	V
13061.250	41.12	6.65	47.77	74.00	-26.23	peak	V
13061.250	32.30	6.65	38.95	54.00	-15.05	AVG	V
15744.000	32.72	11.07	43.79	54.00	-10.21	AVG	V
15768.750	41.91	10.53	52.44	74.00	-21.56	peak	V
17516.250	40.86	14.02	54.88	74.00	-19.12	peak	V
17516.250	31.87	14.02	45.89	54.00	-8.11	AVG	V



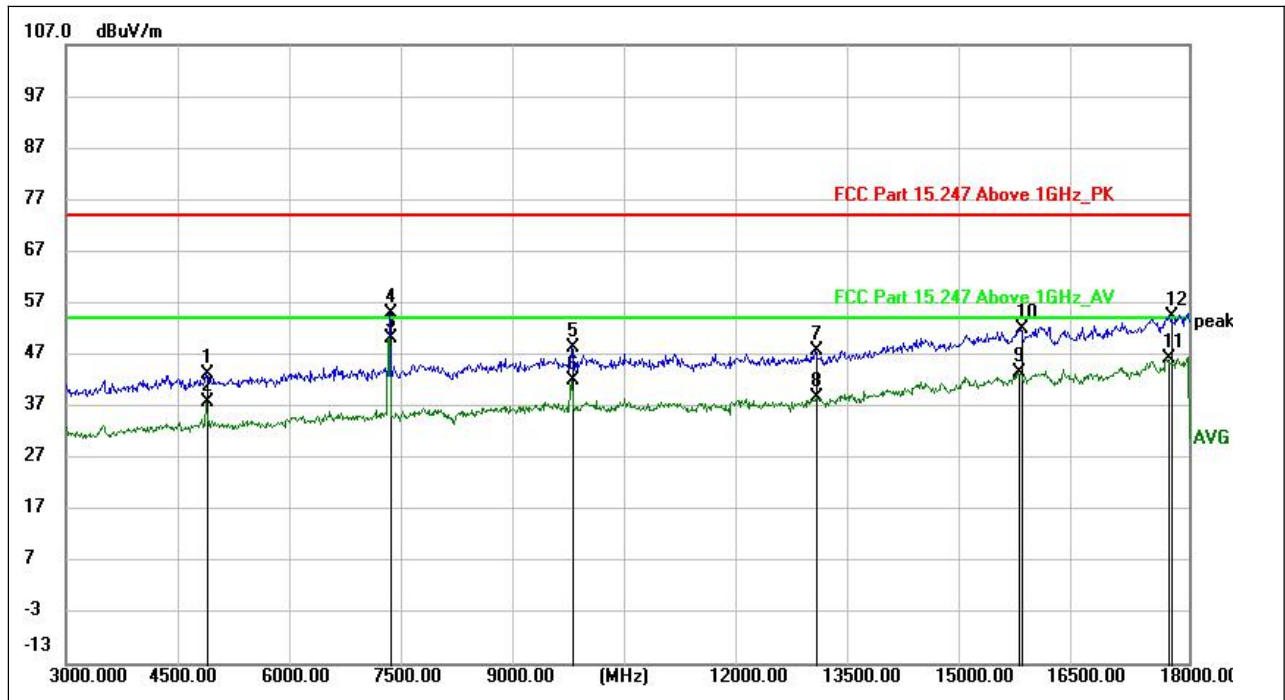
( $\pi/4$ -DQPSK\_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
41.8376	3.20	15.03	18.23	40.00	-21.77	peak	H
71.8950	10.47	10.64	21.11	40.00	-18.89	peak	H
160.0087	6.47	12.20	18.67	43.50	-24.83	peak	H
319.9931	17.43	18.00	35.43	46.00	-10.57	peak	H
480.0224	5.22	21.54	26.76	46.00	-19.24	peak	H
800.1012	4.70	26.13	30.83	46.00	-15.17	peak	H

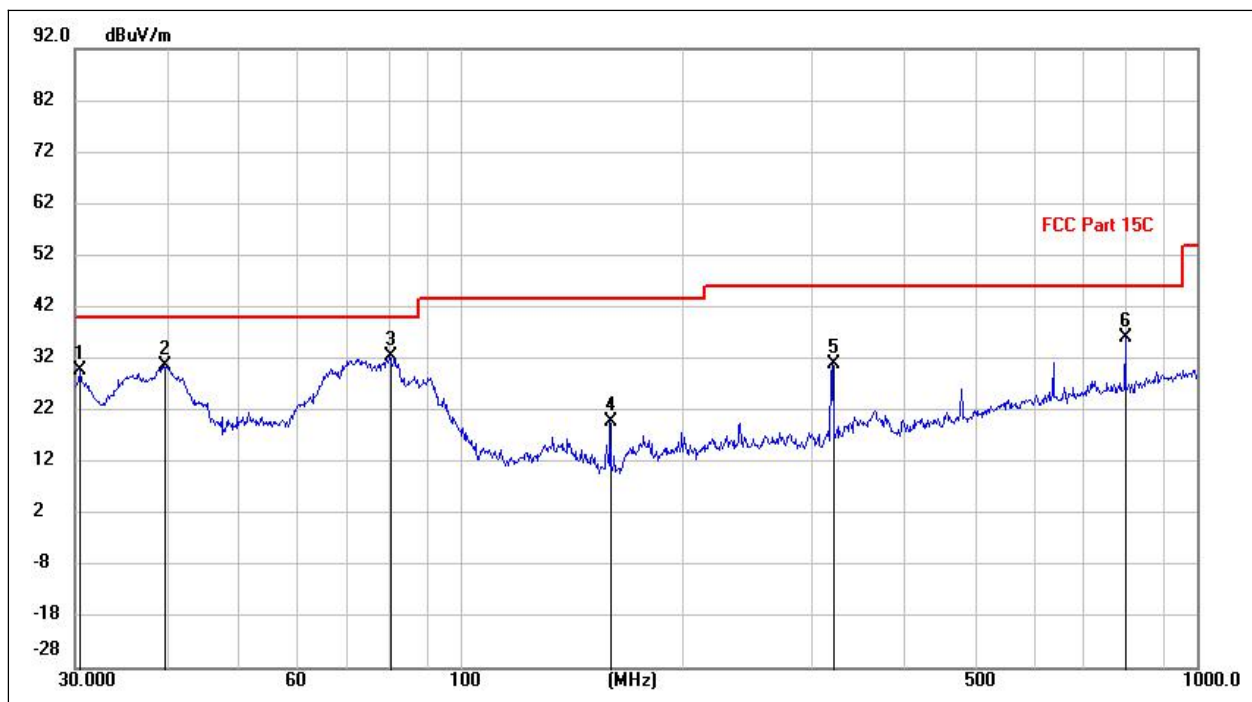


( $\pi/4$ -DQPSK\_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1004.846	4.21	28.50	32.71	54.00	-21.29	AVG	H
1011.991	12.98	28.22	41.20	74.00	-32.80	peak	H
1269.146	11.65	30.47	42.12	74.00	-31.88	peak	H
1280.279	3.45	30.67	34.12	54.00	-19.88	AVG	H
1799.453	2.91	36.74	39.65	54.00	-14.35	AVG	H
1801.827	12.04	36.66	48.70	74.00	-25.30	peak	H
1996.093	11.39	36.82	48.21	74.00	-25.79	peak	H
2009.736	2.64	37.07	39.71	54.00	-14.29	AVG	H
2440.988	43.74	40.81	84.55	NA	NA	AVG	H
2441.256	45.95	40.81	86.76	NA	NA	peak	H
2818.518	12.64	43.16	55.80	74.00	-18.20	peak	H
2818.518	3.67	43.16	46.83	54.00	-7.17	AVG	H

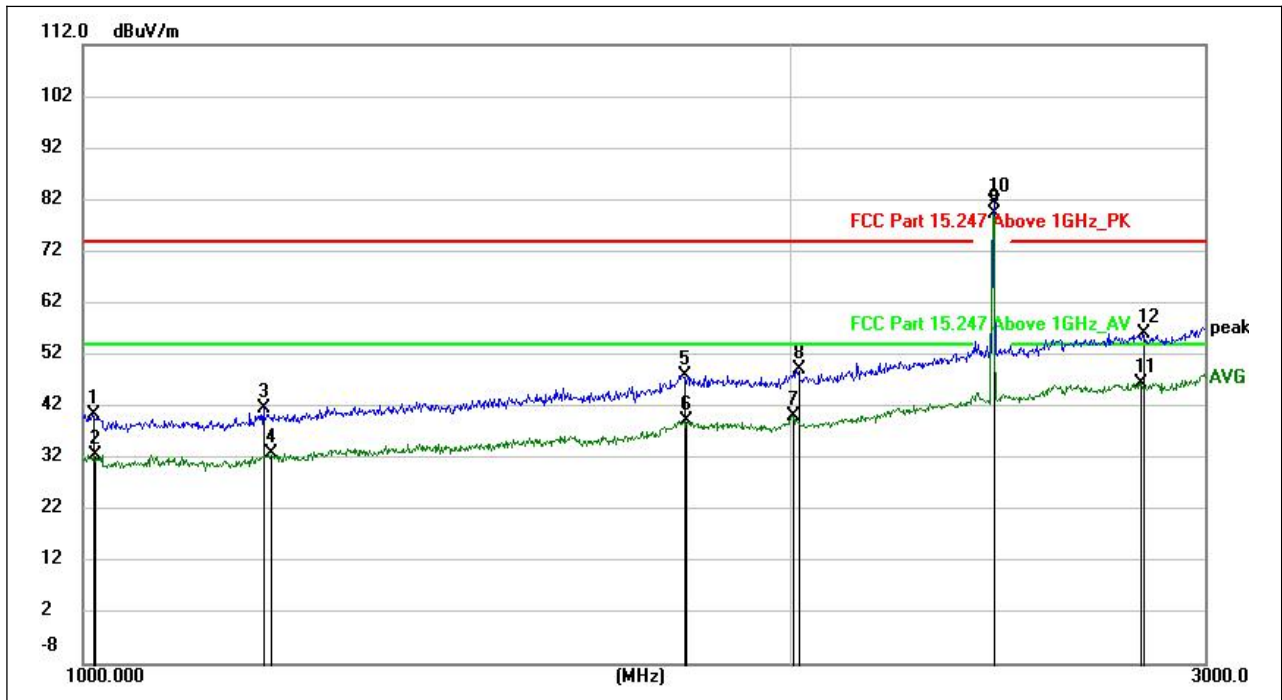

 ( $\pi/4$ -DQPSK\_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4881.750	46.10	-2.81	43.29	74.00	-30.71	peak	H
4881.750	40.71	-2.81	37.90	54.00	-16.10	AVG	H
7322.250	50.50	-0.25	50.25	54.00	-3.75	AVG	H
7323.000	55.34	-0.24	55.10	74.00	-18.90	peak	H
9764.250	46.64	1.86	48.50	74.00	-25.50	peak	H
9764.250	40.17	1.86	42.03	54.00	-11.97	AVG	H
13031.250	41.50	6.30	47.80	74.00	-26.20	peak	H
13033.500	32.45	6.33	38.78	54.00	-15.22	AVG	H
15733.500	32.28	11.30	43.58	54.00	-10.42	AVG	H
15763.500	41.25	10.64	51.89	74.00	-22.11	peak	H
17717.250	31.58	14.65	46.23	54.00	-7.77	AVG	H
17765.250	39.27	15.10	54.37	74.00	-19.63	peak	H



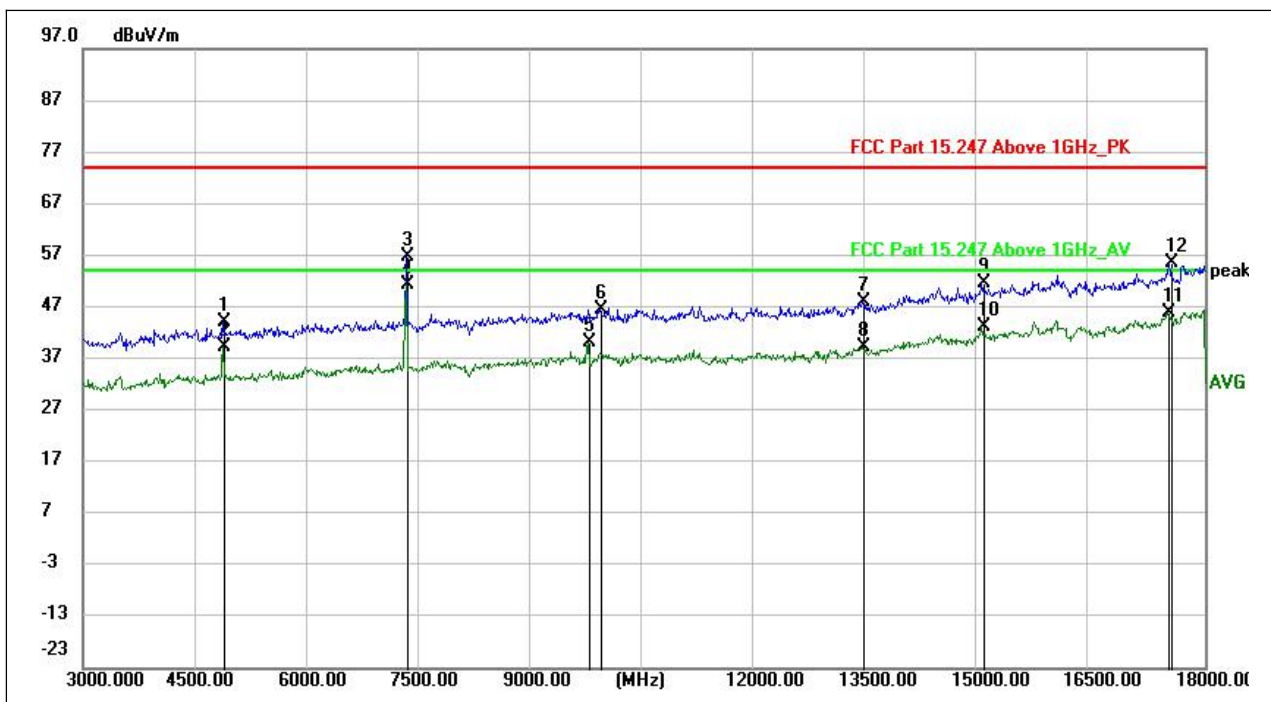
( $\pi/4$ -DQPSK \_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5199	16.77	12.97	29.74	40.00	-10.26	peak	V
39.6452	15.36	15.16	30.52	40.00	-9.48	peak	V
80.3901	21.79	10.78	32.57	40.00	-7.43	peak	V
159.9806	7.54	12.19	19.73	43.50	-23.77	peak	V
319.9931	12.94	18.00	30.94	46.00	-15.06	peak	V
800.1012	9.95	26.13	36.08	46.00	-9.92	peak	V



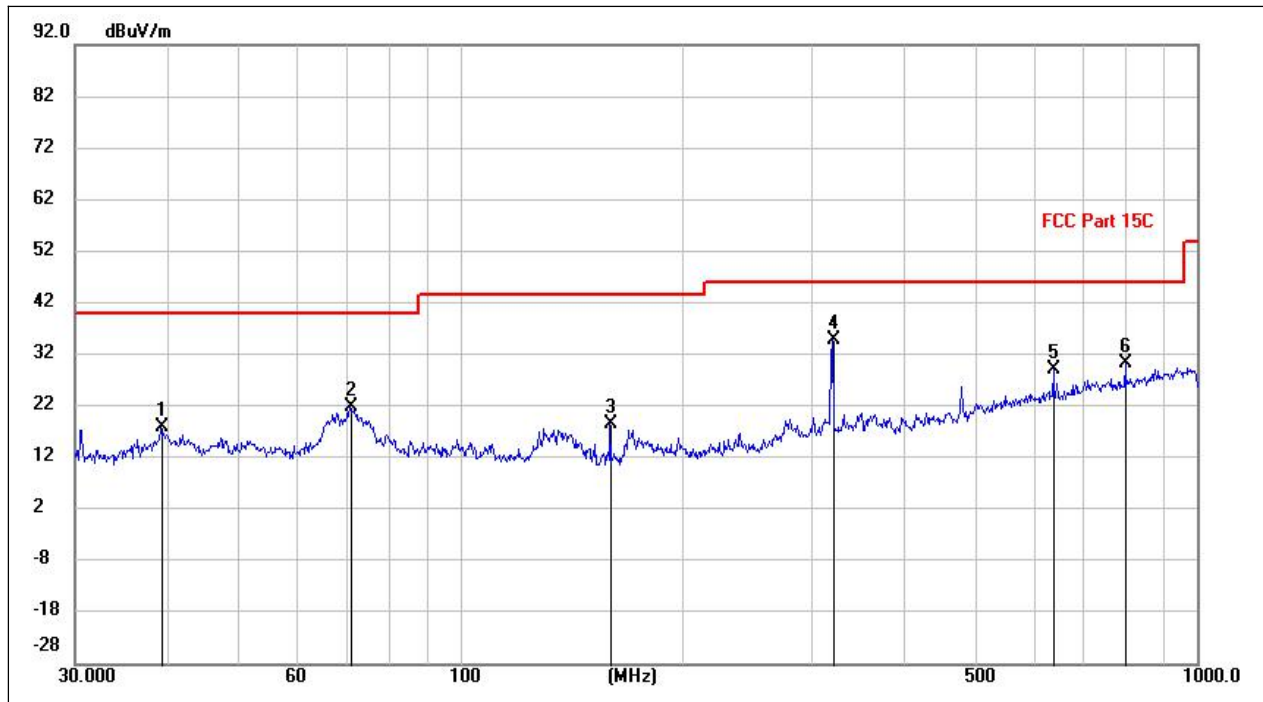
( $\pi/4$ -DQPSK \_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1010.214	12.18	28.31	40.49	74.00	-33.51	peak	V
1011.991	4.32	28.22	32.54	54.00	-21.46	AVG	V
1194.008	11.19	30.27	41.46	74.00	-32.54	peak	V
1201.839	2.26	30.61	32.87	54.00	-21.13	AVG	V
1800.640	11.17	36.74	47.91	74.00	-26.09	peak	V
1804.502	2.83	36.47	39.30	54.00	-14.70	AVG	V
2004.224	2.85	37.37	40.22	54.00	-13.78	AVG	V
2014.157	12.19	36.83	49.02	74.00	-24.98	peak	V
2441.122	38.46	40.81	79.27	NA	NA	AVG	V
2441.390	40.62	40.82	81.44	NA	NA	peak	V
2814.959	3.01	43.45	46.46	54.00	-7.54	AVG	V
2827.201	12.86	43.12	55.98	74.00	-18.02	peak	V



( $\pi/4$ -DQPSK\_2440MHz, Antenna Vertical, 3GHz to 18GHz)

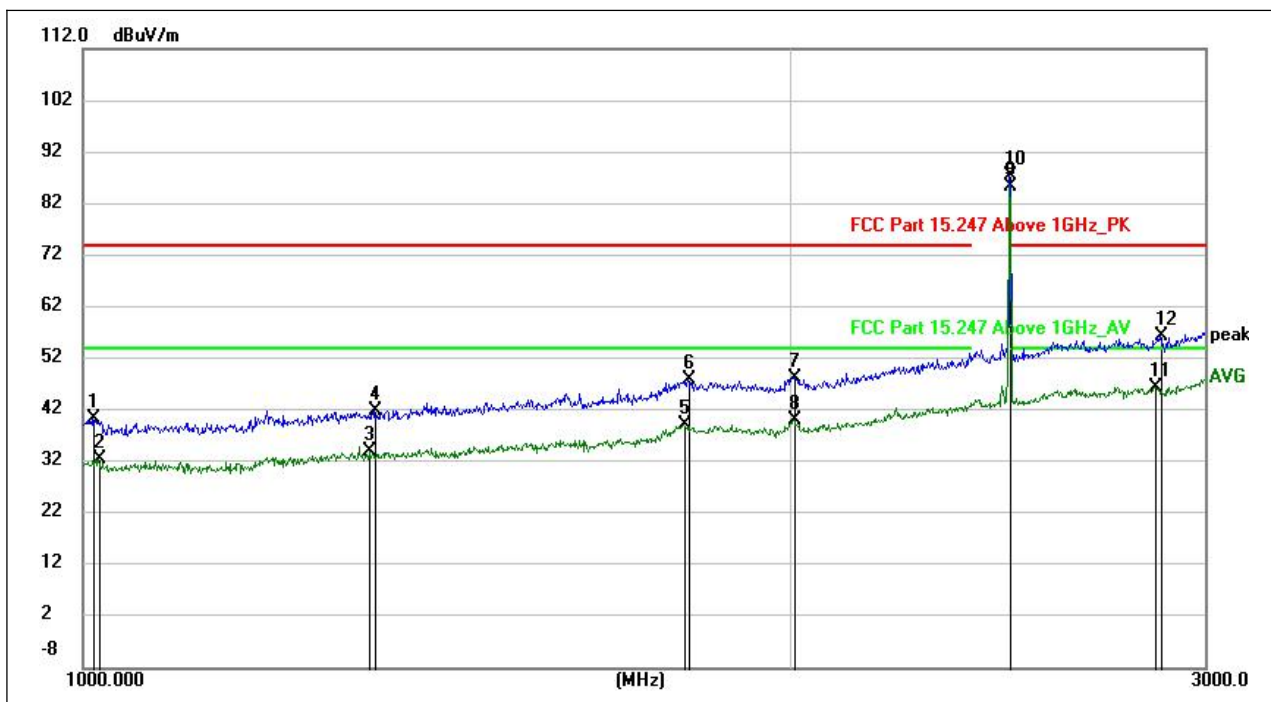
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4881.750	46.80	-2.81	43.99	74.00	-30.01	peak	V
4881.750	41.98	-2.81	39.17	54.00	-14.83	AVG	V
7322.250	57.13	-0.25	56.88	74.00	-17.12	peak	V
7322.250	51.52	-0.25	51.27	54.00	-2.73	AVG	V
9764.250	38.16	1.86	40.02	54.00	-13.98	AVG	V
9918.000	44.03	2.56	46.59	74.00	-27.41	peak	V
13437.000	41.56	6.44	48.00	74.00	-26.00	peak	V
13437.000	32.68	6.44	39.12	54.00	-14.88	AVG	V
15031.500	40.97	10.55	51.52	74.00	-22.48	peak	V
15031.500	32.50	10.55	43.05	54.00	-10.95	AVG	V
17518.500	31.12	14.80	45.92	54.00	-8.08	AVG	V
17535.750	41.15	14.35	55.50	74.00	-18.50	peak	V



( $\pi/4$ -DQPSK\_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

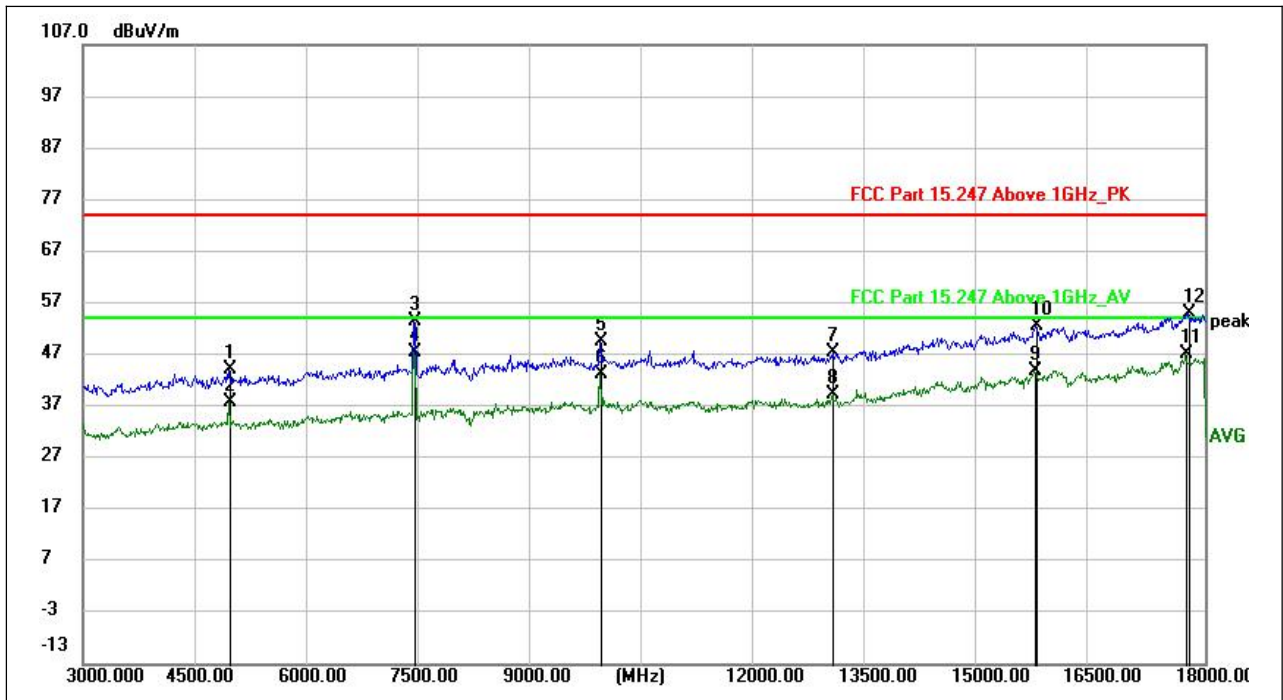
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
39.3888	3.14	14.78	17.92	40.00	-22.08	peak	H
71.0554	10.49	11.29	21.78	40.00	-18.22	peak	H
160.0087	6.35	12.20	18.55	43.50	-24.95	peak	H
319.9931	16.94	18.00	34.94	46.00	-11.06	peak	H
640.0497	5.00	24.09	29.09	46.00	-16.91	peak	H
800.1012	4.23	26.13	30.36	46.00	-15.64	peak	H





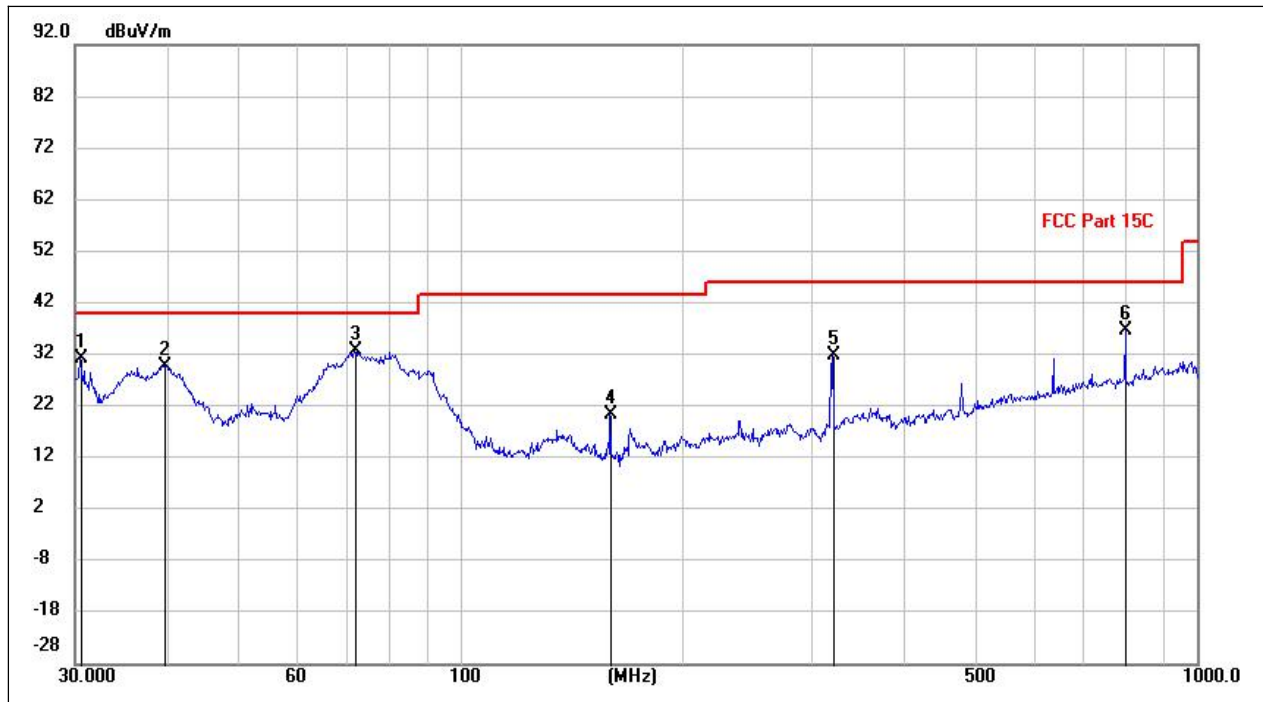
( $\pi/4$ -DQPSK\_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1010.547	12.14	28.29	40.43	74.00	-33.57	peak	H
1015.946	4.65	28.00	32.65	54.00	-21.35	AVG	H
1324.268	3.14	30.77	33.91	54.00	-20.09	AVG	H
1330.978	11.25	30.75	42.00	74.00	-32.00	peak	H
1802.520	2.44	36.61	39.05	54.00	-14.95	AVG	H
1809.564	11.81	36.14	47.95	74.00	-26.05	peak	H
2006.427	11.01	37.25	48.26	74.00	-25.74	peak	H
2006.427	2.82	37.25	40.07	54.00	-13.93	AVG	H
2479.911	43.40	41.77	85.17	NA	NA	AVG	H
2480.184	45.69	41.76	87.45	NA	NA	peak	H
2857.961	2.42	43.96	46.38	54.00	-7.62	AVG	H
2872.757	12.05	44.19	56.24	74.00	-17.76	peak	H



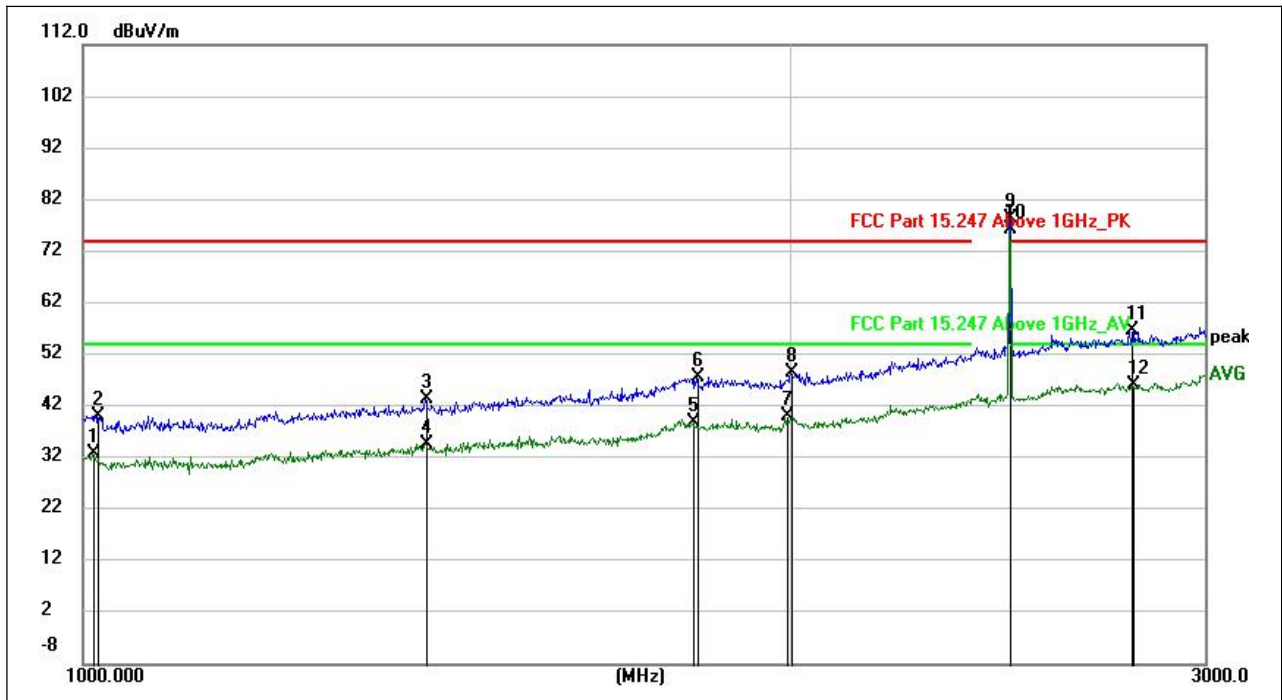
( $\pi/4$ -DQPSK\_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4959.750	47.14	-3.06	44.08	74.00	-29.92	peak	H
4959.750	40.80	-3.06	37.74	54.00	-16.26	AVG	H
7439.250	53.70	-0.32	53.38	74.00	-20.62	peak	H
7439.250	47.68	-0.32	47.36	54.00	-6.64	AVG	H
9920.250	47.38	2.14	49.52	74.00	-24.48	peak	H
9920.250	40.95	2.14	43.09	54.00	-10.91	AVG	H
13031.250	41.17	6.30	47.47	74.00	-26.53	peak	H
13031.250	33.02	6.30	39.32	54.00	-14.68	AVG	H
15731.250	32.61	11.33	43.94	54.00	-10.06	AVG	H
15747.750	41.44	10.99	52.43	74.00	-21.57	peak	H
17747.250	31.97	15.29	47.26	54.00	-6.74	AVG	H
17776.500	40.05	14.93	54.98	74.00	-19.02	peak	H



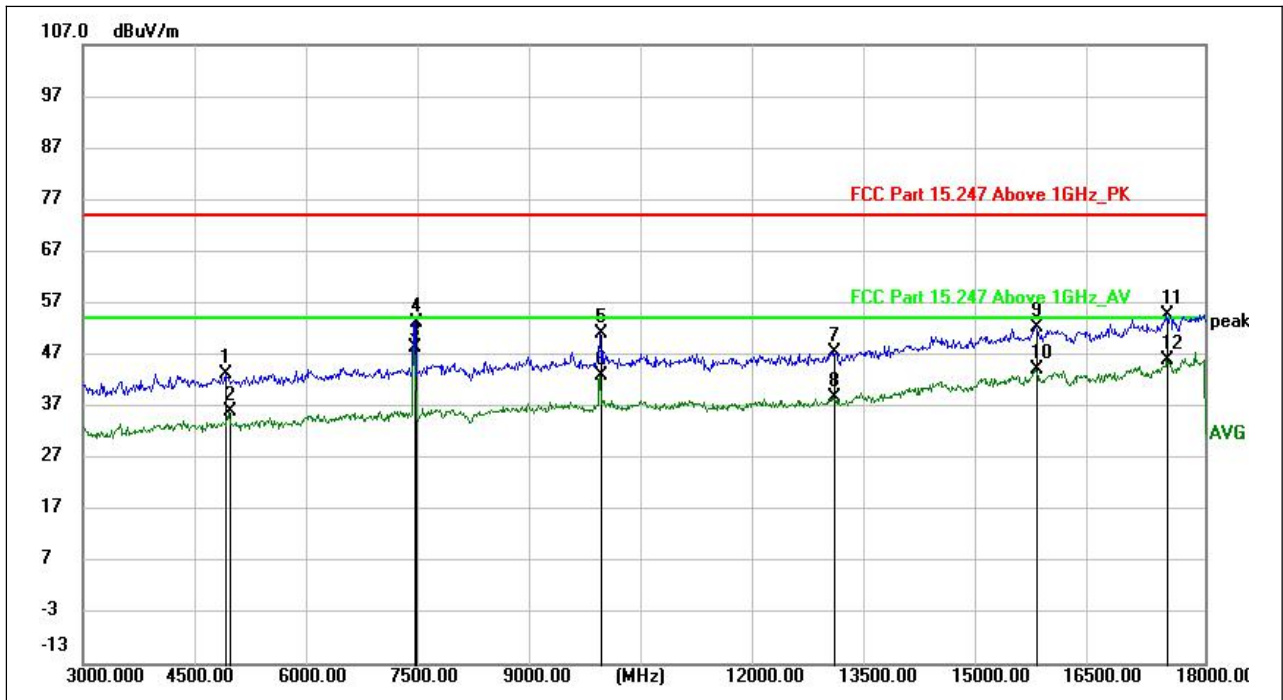
( $\pi/4$ -DQPSK\_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5360	18.45	12.94	31.39	40.00	-8.61	peak	V
39.6452	14.72	15.16	29.88	40.00	-10.12	peak	V
71.9076	22.07	10.63	32.70	40.00	-7.30	peak	V
160.0087	8.11	12.20	20.31	43.50	-23.19	peak	V
319.9931	13.79	18.00	31.79	46.00	-14.21	peak	V
800.1012	10.44	26.13	36.57	46.00	-9.43	peak	V



( $\pi/4$ -DQPSK\_2480MHz, Antenna Vertical , 1GHz to 3GHz)

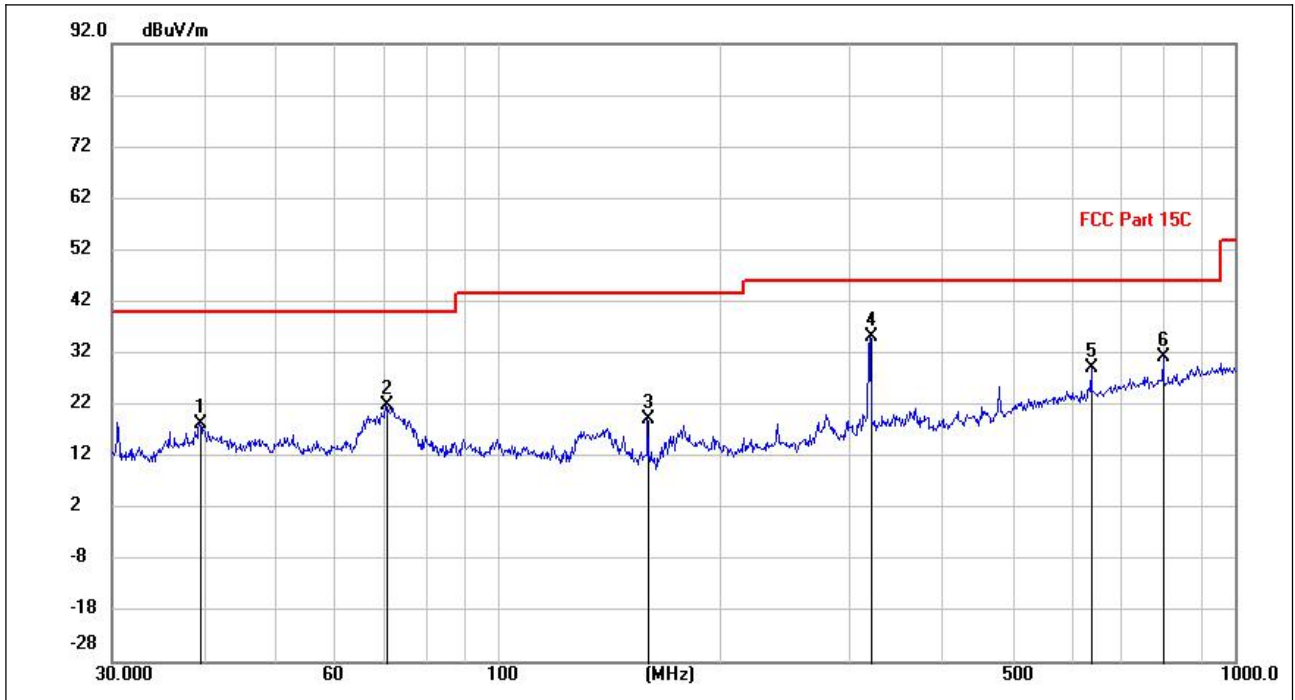
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1010.825	4.45	28.28	32.73	54.00	-21.27	AVG	V
1014.663	12.15	28.07	40.22	74.00	-33.78	peak	V
1399.661	11.28	31.99	43.27	74.00	-30.73	peak	V
1399.661	2.67	31.99	34.66	54.00	-19.34	AVG	V
1819.431	3.41	35.44	38.85	54.00	-15.15	AVG	V
1825.337	12.18	35.39	47.57	74.00	-26.43	peak	V
1992.040	3.43	36.53	39.96	54.00	-14.04	AVG	V
2001.583	11.37	37.20	48.57	74.00	-25.43	peak	V
2479.911	36.69	41.77	78.46	NA	NA	peak	V
2479.911	34.48	41.77	76.25	NA	NA	AVG	V
2790.174	12.78	43.84	56.62	74.00	-17.38	peak	V
2797.233	1.68	44.50	46.18	54.00	-7.82	AVG	V



( $\pi/4$ -DQPSK\_2480MHz, Antenna Vertical, 3GHz to 18GHz)

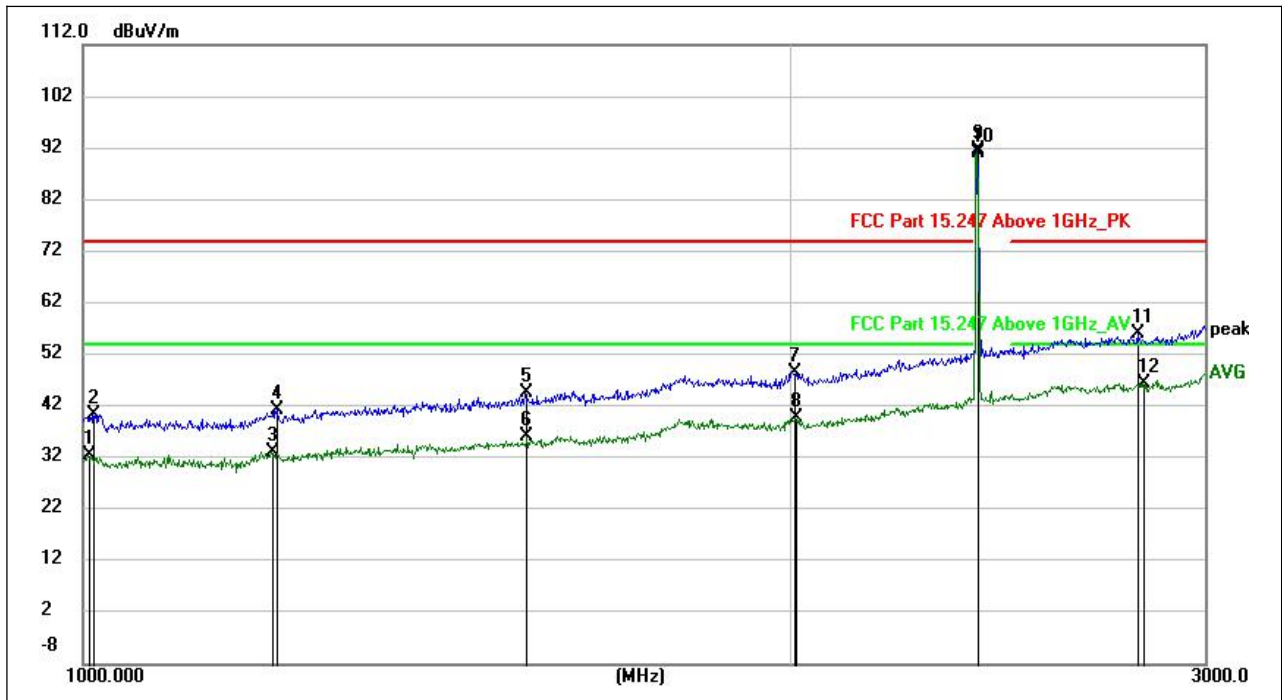
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4908.000	45.94	-2.68	43.26	74.00	-30.74	peak	V
4959.750	38.80	-2.88	35.92	54.00	-18.08	AVG	V
7439.250	48.80	-0.36	48.44	54.00	-5.56	AVG	V
7440.750	53.51	-0.34	53.17	74.00	-20.83	peak	V
9920.250	48.55	2.56	51.11	74.00	-22.89	peak	V
9920.250	40.40	2.56	42.96	54.00	-11.04	AVG	V
13041.000	41.27	6.27	47.54	74.00	-26.46	peak	V
13041.000	32.57	6.27	38.84	54.00	-15.16	AVG	V
15741.000	41.04	11.13	52.17	74.00	-21.83	peak	V
15741.000	32.98	11.13	44.11	54.00	-9.89	AVG	V
17499.000	39.78	14.93	54.71	74.00	-19.29	peak	V
17499.000	31.08	14.93	46.01	54.00	-7.99	AVG	V

8-DPSK Test mode



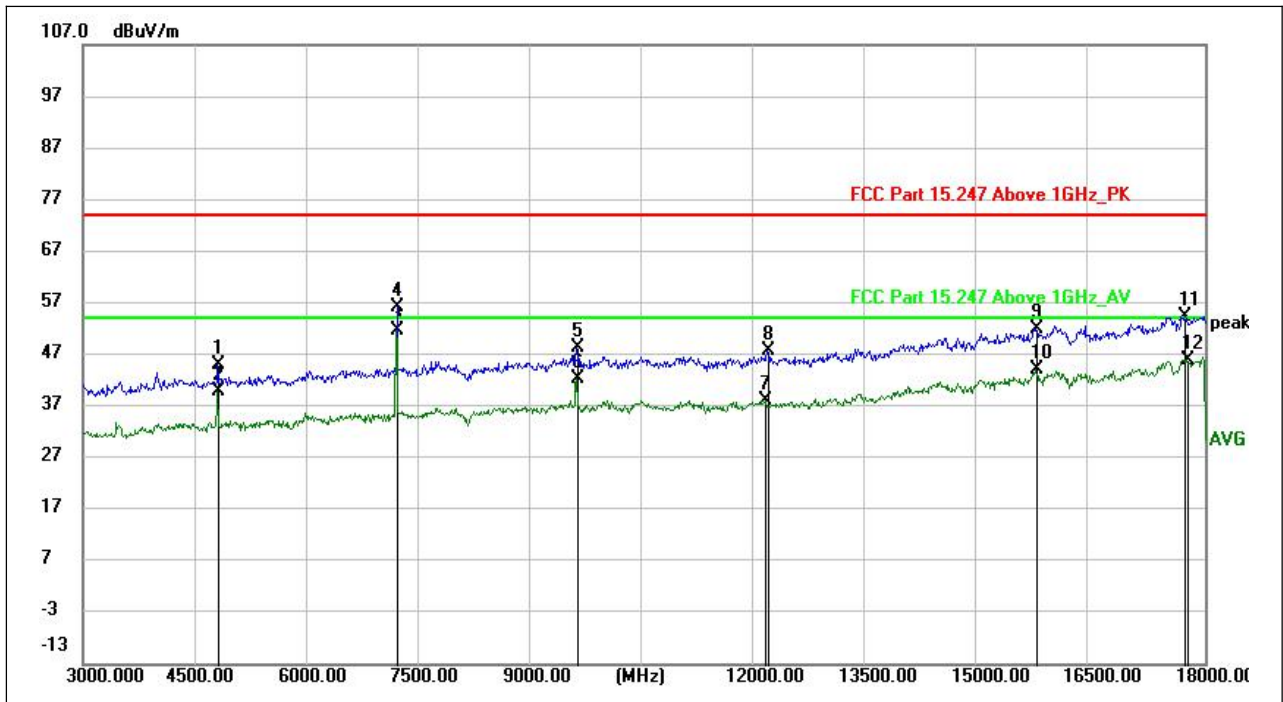
(8-DPSK \_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
39.5618	3.35	15.04	18.39	40.00	-21.61	peak	H
70.7074	10.22	11.55	21.77	40.00	-18.23	peak	H
160.0087	6.95	12.20	19.15	43.50	-24.35	peak	H
319.9931	17.21	18.00	35.21	46.00	-10.79	peak	H
640.0497	4.95	24.09	29.04	46.00	-16.96	peak	H
800.1012	5.25	26.13	31.38	46.00	-14.62	peak	H



(8-DPSK\_2402MHz, Antenna Horizontal, 1GHz to 3GHz)

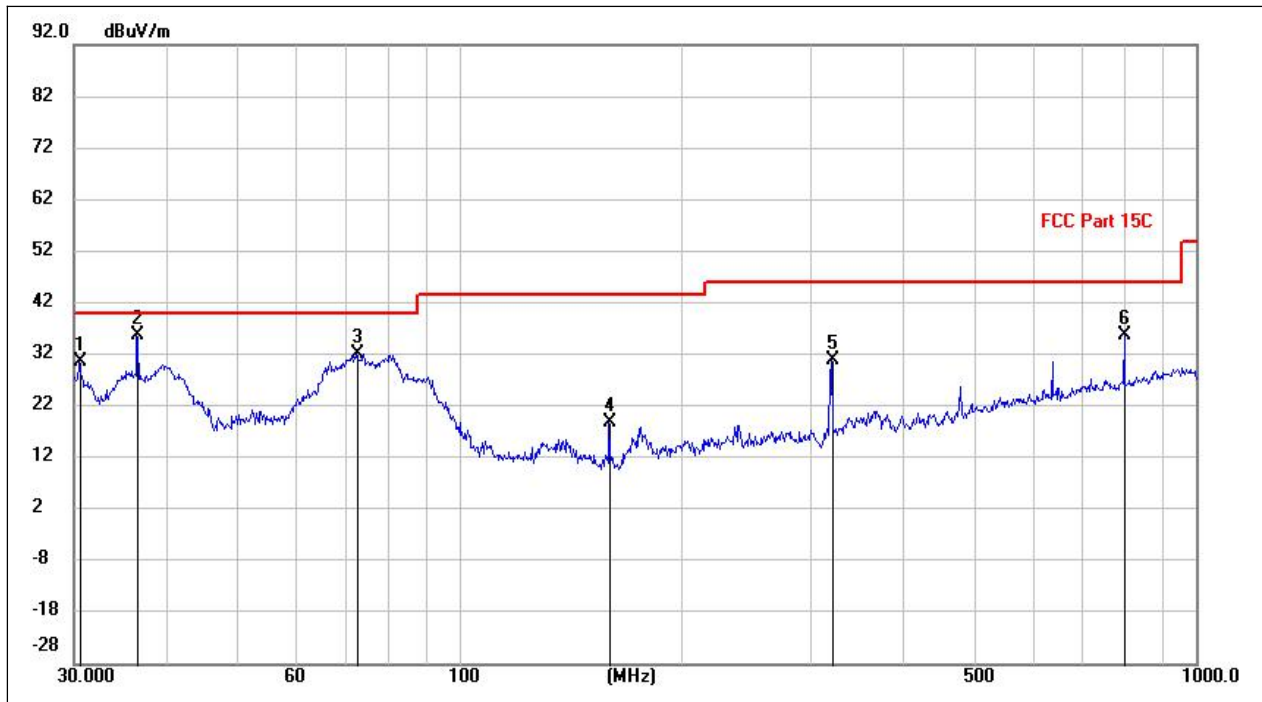
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1005.729	3.96	28.48	32.44	54.00	-21.56	AVG	H
1010.658	12.18	28.29	40.47	74.00	-33.53	peak	H
1203.490	2.63	30.53	33.16	54.00	-20.84	AVG	H
1208.724	11.06	30.28	41.34	74.00	-32.66	peak	H
1543.175	11.49	33.24	44.73	74.00	-29.27	peak	H
1545.041	2.79	33.27	36.06	54.00	-17.94	AVG	H
2005.325	11.23	37.31	48.54	74.00	-25.46	peak	H
2011.061	2.76	37.00	39.76	54.00	-14.24	AVG	H
2402.015	50.02	41.60	91.62	NA	NA	peak	H
2402.015	49.34	41.60	90.94	NA	NA	AVG	H
2811.096	12.19	43.77	55.96	74.00	-18.04	peak	H
2825.959	3.42	43.11	46.53	54.00	-7.47	AVG	H



(8-DPSK\_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

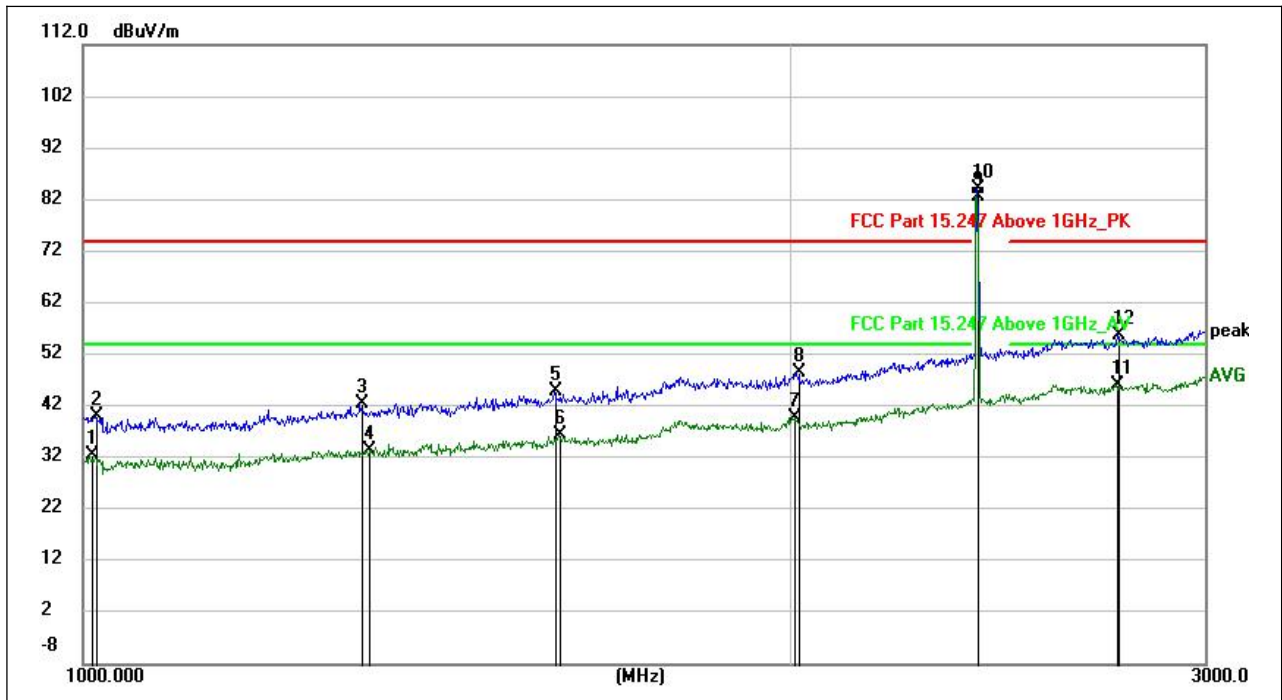
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4803.750	48.43	-3.34	45.09	74.00	-28.91	peak	H
4803.750	43.12	-3.34	39.78	54.00	-14.22	AVG	H
7205.250	51.95	-0.41	51.54	54.00	-2.46	AVG	H
7206.000	56.52	-0.41	56.11	74.00	-17.89	peak	H
9608.250	46.47	1.91	48.38	74.00	-25.62	peak	H
9608.250	40.48	1.91	42.39	54.00	-11.61	AVG	H
12129.750	34.29	3.90	38.19	54.00	-15.81	AVG	H
12159.750	43.76	3.94	47.70	74.00	-26.30	peak	H
15747.750	40.95	10.99	51.94	74.00	-22.06	peak	H
15747.750	33.04	10.99	44.03	54.00	-9.97	AVG	H
17742.750	39.22	15.19	54.41	74.00	-19.59	peak	H
17772.000	31.06	15.00	46.06	54.00	-7.94	AVG	H





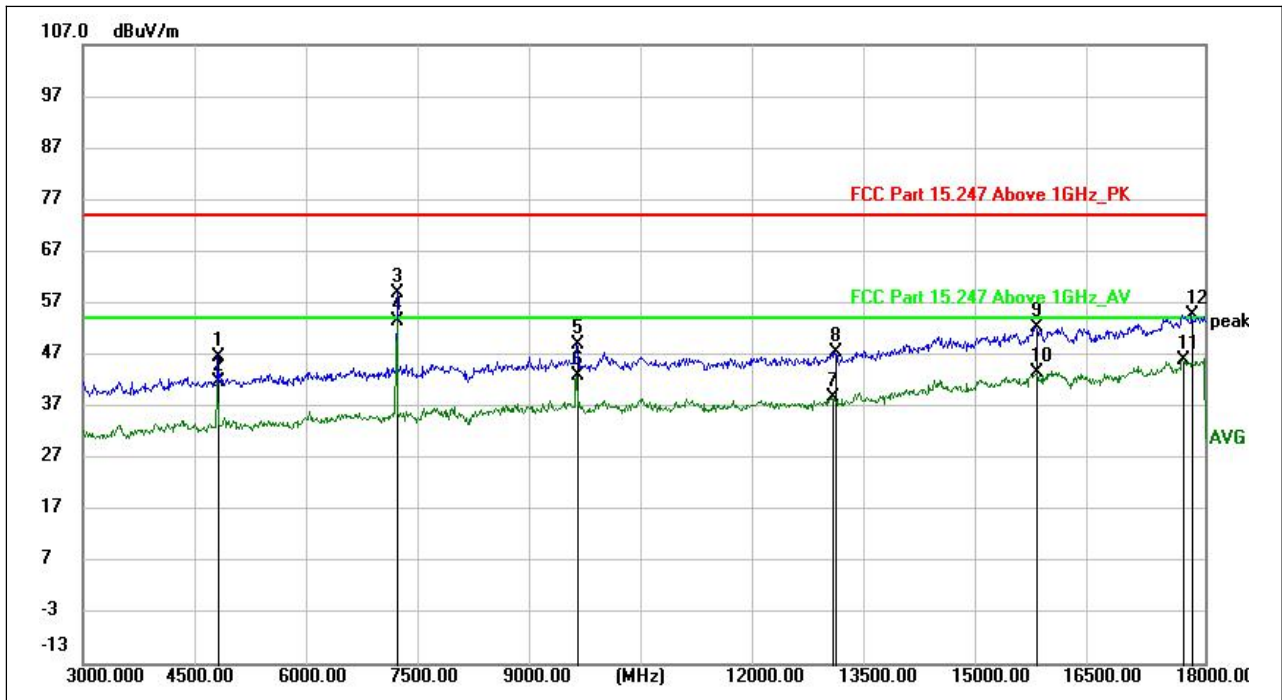
(8-DPSK\_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5949	17.76	12.84	30.60	40.00	-9.40	peak	V
36.6054	22.28	13.38	35.66	40.00	-4.34	peak	V
72.7956	21.74	10.37	32.11	40.00	-7.89	peak	V
160.0087	6.54	12.20	18.74	43.50	-24.76	peak	V
319.9931	13.01	18.00	31.01	46.00	-14.99	peak	V
800.1012	9.63	26.13	35.76	46.00	-10.24	peak	V



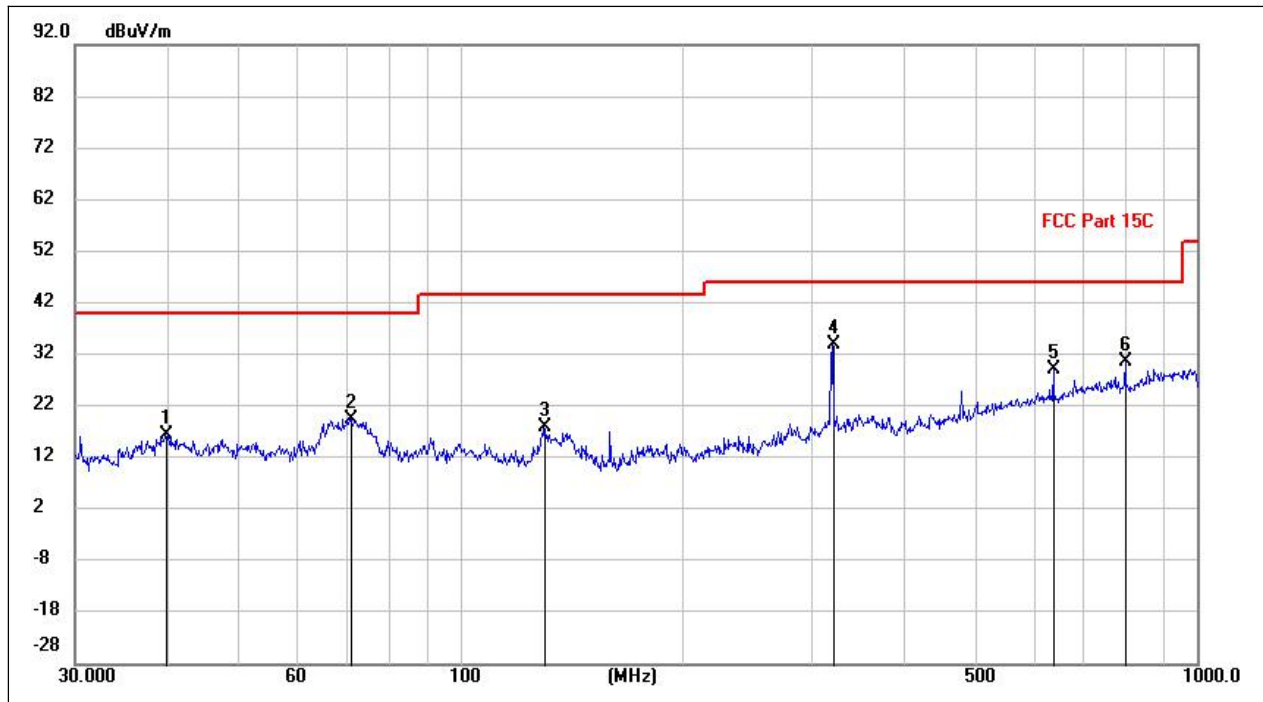
(8-DPSK\_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1008.274	4.07	28.41	32.48	54.00	-21.52	AVG	V
1013.271	11.84	28.14	39.98	74.00	-34.02	peak	V
1313.330	11.60	30.78	42.38	74.00	-31.62	peak	V
1321.943	2.78	30.78	33.56	54.00	-20.44	AVG	V
1588.151	11.27	33.69	44.96	74.00	-29.04	peak	V
1593.920	2.49	33.96	36.45	54.00	-17.55	AVG	V
2005.876	2.46	37.28	39.74	54.00	-14.26	AVG	V
2013.603	11.63	36.86	48.49	74.00	-25.51	peak	V
2401.883	41.10	41.61	82.71	NA	NA	AVG	V
2402.147	42.51	41.60	84.11	NA	NA	peak	V
2752.875	2.54	43.72	46.26	54.00	-7.74	AVG	V
2755.750	12.04	43.80	55.84	74.00	-18.16	peak	V



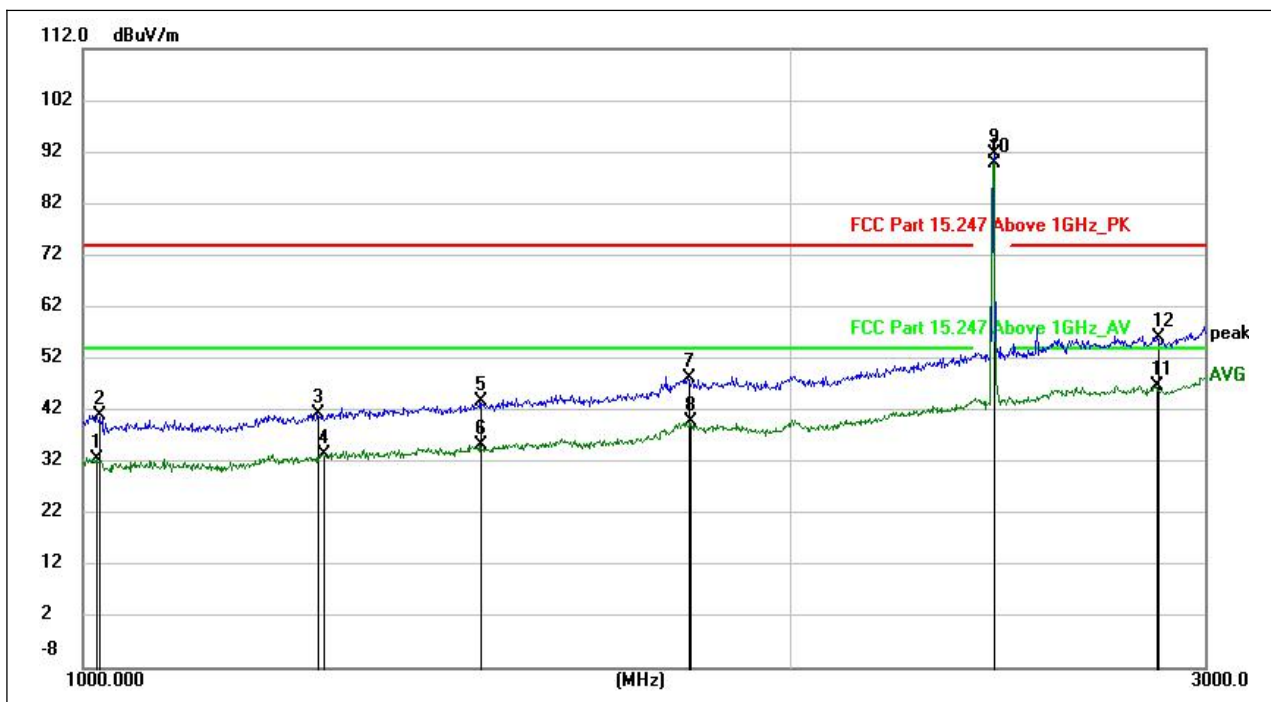
(8-DPSK\_2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4803.750	49.86	-3.34	46.52	74.00	-27.48	peak	V
4803.750	44.98	-3.34	41.64	54.00	-12.36	AVG	V
7206.000	59.27	-0.41	58.86	74.00	-15.14	peak	V
7206.000	53.79	-0.41	53.38	54.00	-0.62	AVG	V
9608.250	47.11	1.91	49.02	74.00	-24.98	peak	V
9608.250	41.10	1.91	43.01	54.00	-10.99	AVG	V
13031.250	32.58	6.13	38.71	54.00	-15.29	AVG	V
13057.500	40.99	6.50	47.49	74.00	-26.51	peak	V
15741.000	41.28	11.13	52.41	74.00	-21.59	peak	V
15750.000	32.54	10.94	43.48	54.00	-10.52	AVG	V
17712.000	31.34	14.54	45.88	54.00	-8.12	AVG	V
17835.000	39.85	14.81	54.66	74.00	-19.34	peak	V



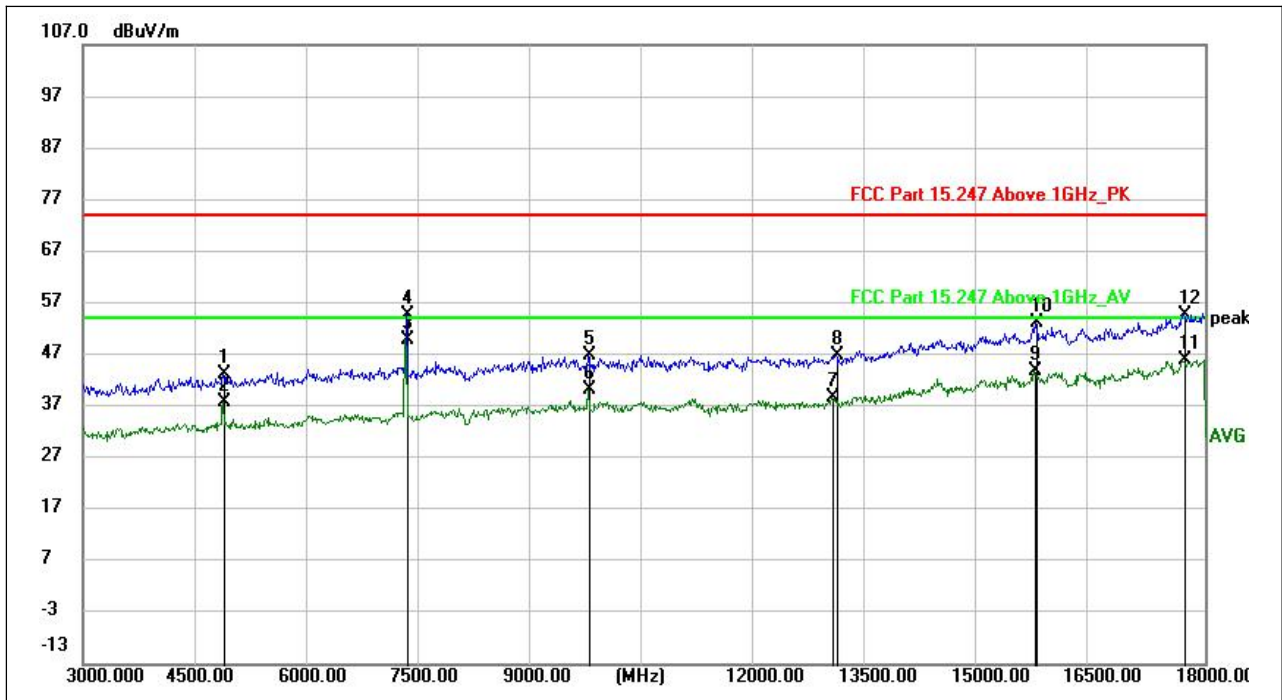
(8-DPSK\_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
39.9732	0.77	15.66	16.43	40.00	-23.57	peak	H
70.9931	8.29	11.34	19.63	40.00	-20.37	peak	H
130.2875	5.74	12.17	17.91	43.50	-25.59	peak	H
319.9931	16.01	18.00	34.01	46.00	-11.99	peak	H
640.0497	5.05	24.09	29.14	46.00	-16.86	peak	H
800.1012	4.60	26.13	30.73	46.00	-15.27	peak	H



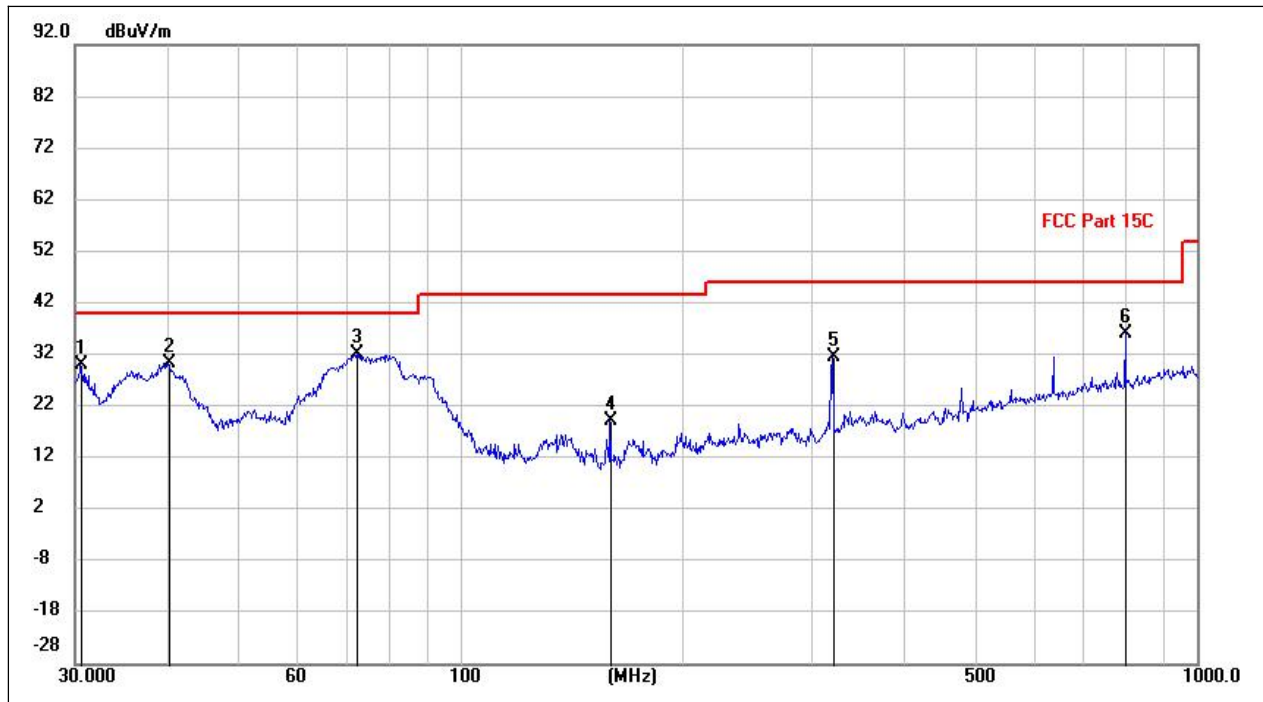
(8-DPSK\_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1013.772	4.39	28.12	32.51	54.00	-21.49	AVG	H
1015.834	12.99	28.00	40.99	74.00	-33.01	peak	H
1258.662	11.01	30.34	41.35	74.00	-32.65	peak	H
1266.082	3.17	30.42	33.59	54.00	-20.41	AVG	H
1476.748	11.17	32.39	43.56	74.00	-30.44	peak	H
1476.748	2.73	32.39	35.12	54.00	-18.88	AVG	H
1809.564	11.99	36.14	48.13	74.00	-25.87	peak	H
1813.146	3.95	35.89	39.84	54.00	-14.16	AVG	H
2440.988	50.94	40.81	91.75	NA	NA	peak	H
2440.988	49.17	40.81	89.98	NA	NA	AVG	H
2863.304	2.72	44.15	46.87	54.00	-7.13	AVG	H
2867.396	11.77	44.29	56.06	74.00	-17.94	peak	H



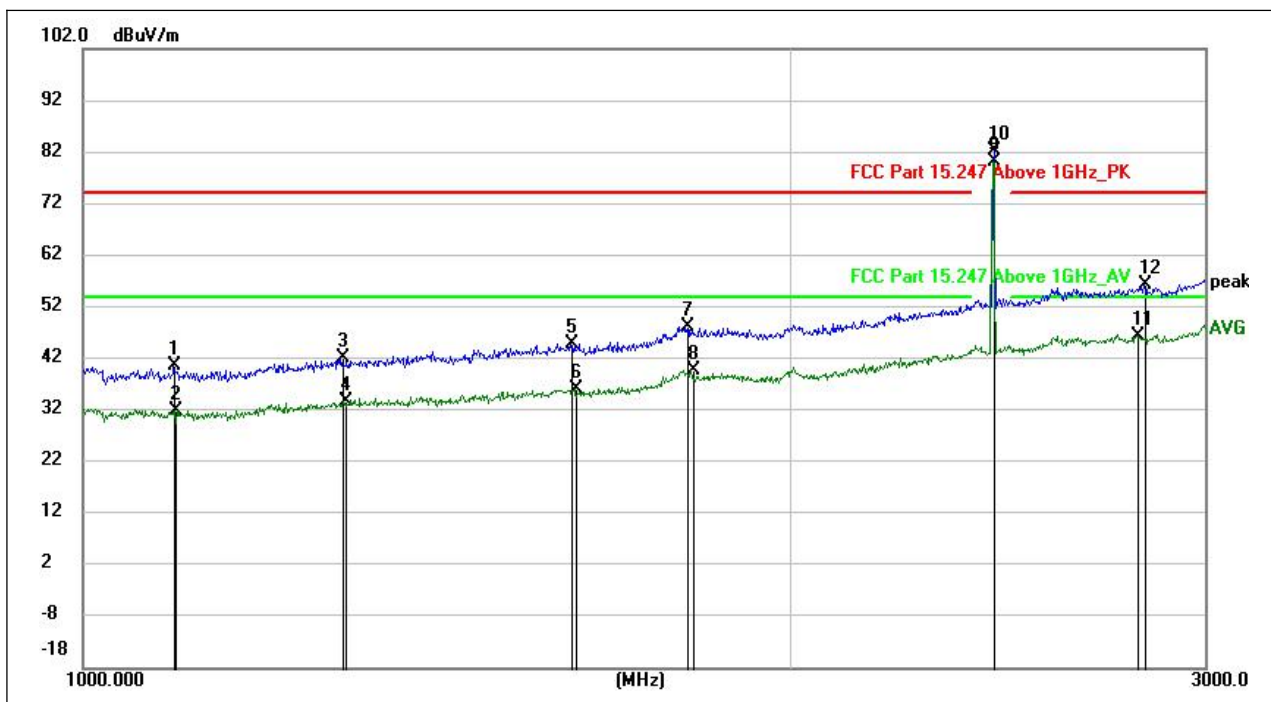
(8-DPSK\_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4881.750	45.95	-2.81	43.14	74.00	-30.86	peak	H
4881.750	40.72	-2.81	37.91	54.00	-16.09	AVG	H
7322.250	50.15	-0.25	49.90	54.00	-4.10	AVG	H
7323.000	54.85	-0.24	54.61	74.00	-19.39	peak	H
9763.500	44.90	1.87	46.77	74.00	-27.23	peak	H
9763.500	38.22	1.87	40.09	54.00	-13.91	AVG	H
13025.250	32.49	6.22	38.71	54.00	-15.29	AVG	H
13081.500	40.69	6.27	46.96	74.00	-27.04	peak	H
15735.000	32.59	11.26	43.85	54.00	-10.15	AVG	H
15744.000	42.16	11.07	53.23	74.00	-20.77	peak	H
17724.750	31.01	14.81	45.82	54.00	-8.18	AVG	H
17734.500	39.69	15.02	54.71	74.00	-19.29	peak	H



(8-DPSK\_2440MHz, Antenna Vertical, 30MHz to 1GHz)

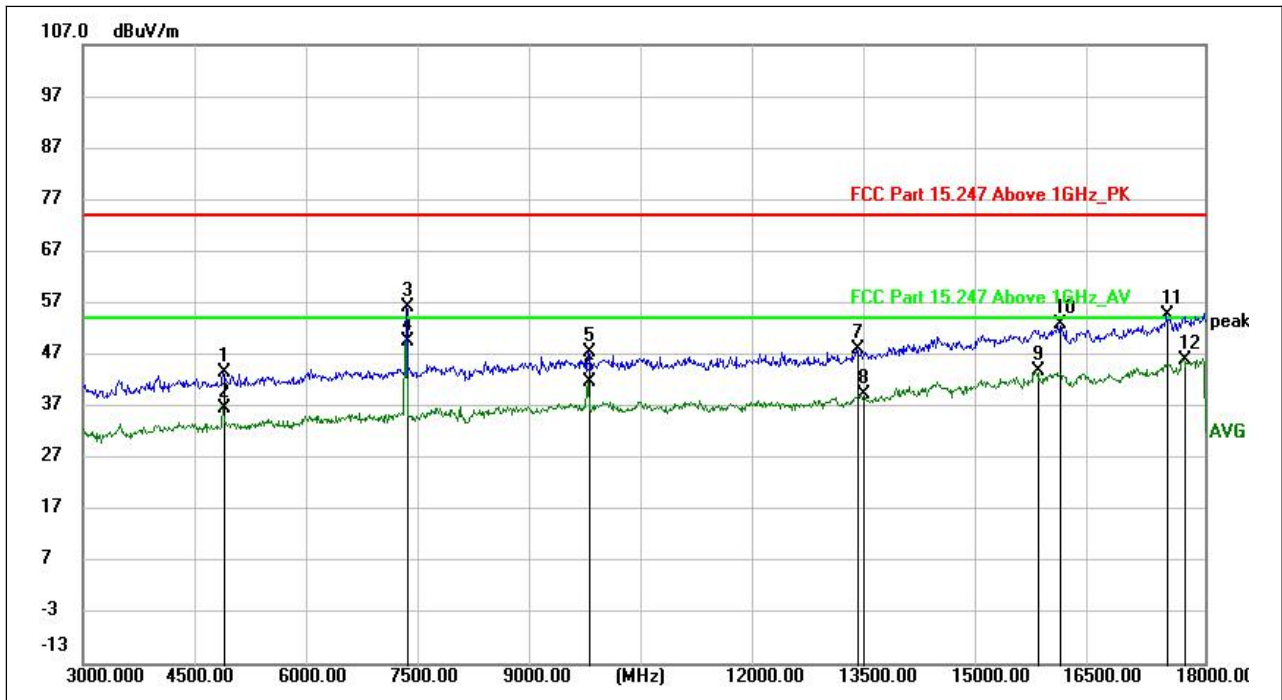
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5735	17.03	12.87	29.90	40.00	-10.10	peak	V
40.2404	14.94	15.47	30.41	40.00	-9.59	peak	V
72.3502	21.56	10.48	32.04	40.00	-7.96	peak	V
160.0087	6.97	12.20	19.17	43.50	-24.33	peak	V
319.9931	13.50	18.00	31.50	46.00	-14.50	peak	V
800.1012	9.86	26.13	35.99	46.00	-10.01	peak	V



(8-DPSK\_2440MHz, Antenna Vertical , 1GHz to 3GHz)

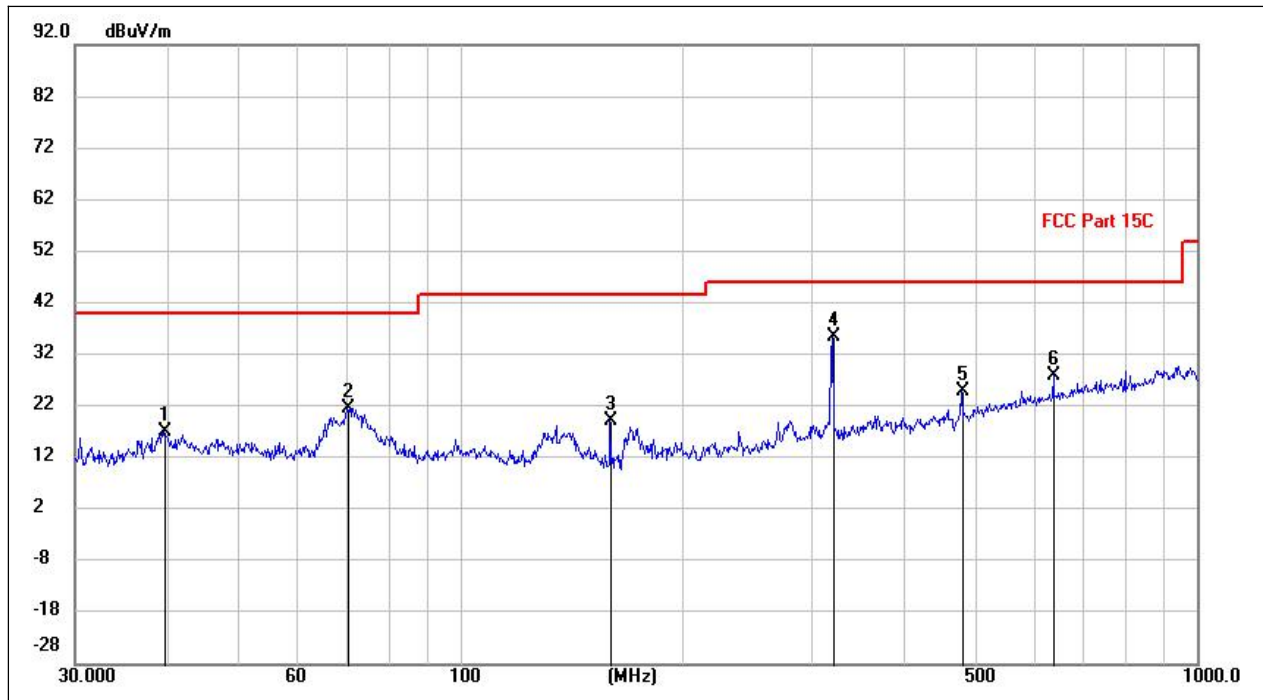
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1094.148	11.52	29.07	40.59	74.00	-33.41	peak	V
1095.471	2.80	29.07	31.87	54.00	-22.13	AVG	V
1289.879	11.37	30.65	42.02	74.00	-31.98	peak	V
1292.787	2.96	30.64	33.60	54.00	-20.40	AVG	V
1613.476	11.07	33.77	44.84	74.00	-29.16	peak	V
1620.048	2.51	33.54	36.05	54.00	-17.95	AVG	V
1806.287	11.94	36.35	48.29	74.00	-25.71	peak	V
1816.236	3.95	35.67	39.62	54.00	-14.38	AVG	V
2440.988	39.48	40.81	80.29	NA	NA	AVG	V
2441.256	41.35	40.81	82.16	NA	NA	peak	V
2807.547	2.15	44.09	46.24	54.00	-7.76	AVG	V
2829.221	13.26	43.15	56.41	74.00	-17.59	peak	V





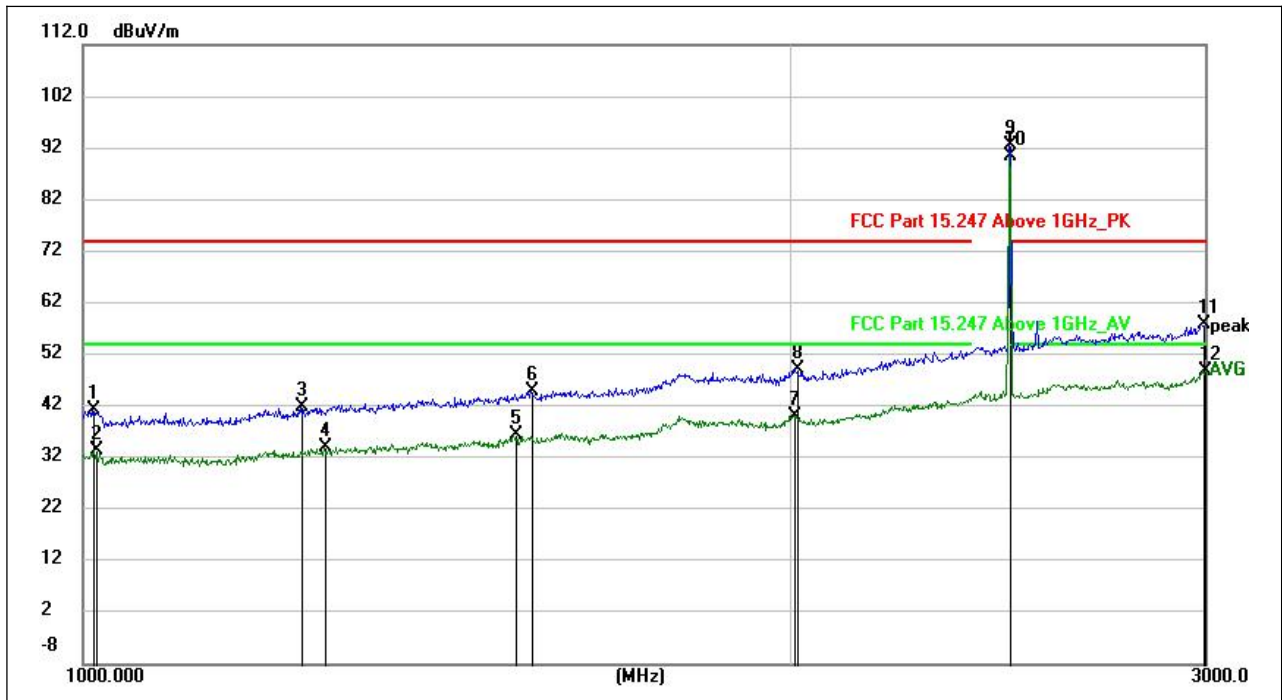
(8-DPSK\_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4881.000	46.45	-2.82	43.63	74.00	-30.37	peak	V
4881.000	39.31	-2.82	36.49	54.00	-17.51	AVG	V
7323.000	20.47	35.72	56.19	74.00	-17.81	peak	V
7323.000	13.71	35.72	49.43	54.00	-4.57	AVG	V
9764.250	10.02	37.30	47.32	74.00	-26.68	peak	V
9764.250	4.45	37.30	41.75	54.00	-12.25	AVG	V
13354.500	9.16	38.82	47.98	74.00	-26.02	peak	V
13427.250	0.37	39.00	39.37	54.00	-14.63	AVG	V
15756.000	2.52	41.24	43.76	54.00	-10.24	AVG	V
16056.000	10.77	42.07	52.84	74.00	-21.16	peak	V
17503.500	10.04	44.56	54.60	74.00	-19.40	peak	V
17718.000	2.22	43.61	45.83	54.00	-8.17	AVG	V



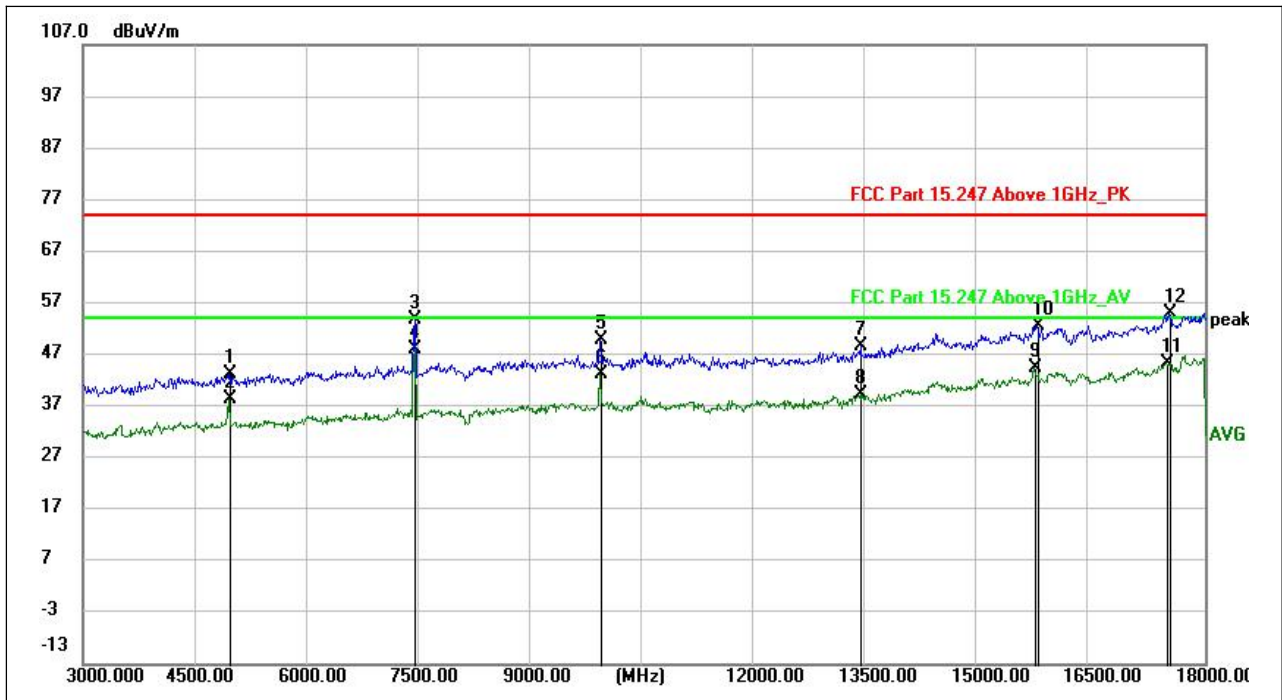
(8-DPSK\_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
39.5896	2.01	15.08	17.09	40.00	-22.91	peak	H
70.4105	9.94	11.78	21.72	40.00	-18.28	peak	H
159.9806	6.99	12.19	19.18	43.50	-24.32	peak	H
319.9931	17.49	18.00	35.49	46.00	-10.51	peak	H
480.0224	3.39	21.54	24.93	46.00	-21.07	peak	H
640.0497	3.71	24.09	27.80	46.00	-18.20	peak	H



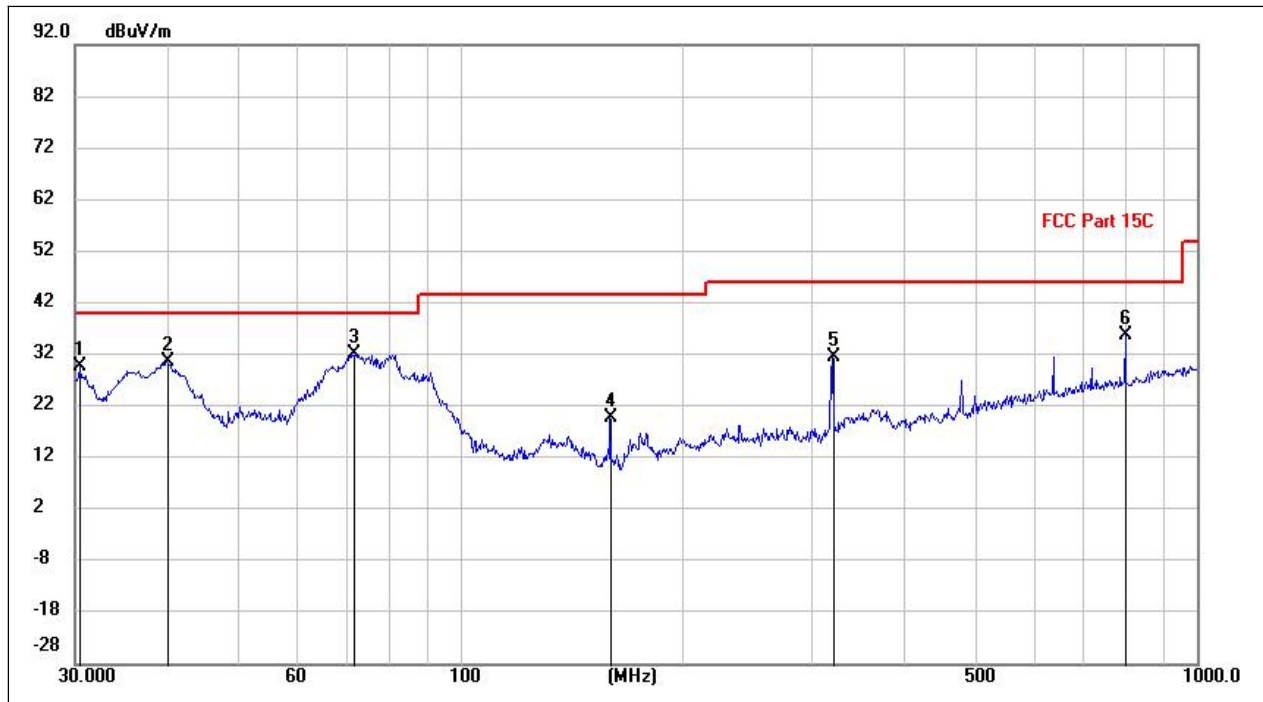
(8-DPSK\_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
1009.992	13.05	28.33	41.38	74.00	-32.62	peak	H
1012.603	5.39	28.18	33.57	54.00	-20.43	AVG	H
1239.247	11.82	29.99	41.81	74.00	-32.19	peak	H
1267.334	3.51	30.44	33.95	54.00	-20.05	AVG	H
1527.237	3.41	32.95	36.36	54.00	-17.64	AVG	H
1552.357	11.65	33.27	44.92	74.00	-29.08	peak	H
2006.427	2.81	37.25	40.06	54.00	-13.94	AVG	H
2011.393	12.23	36.98	49.21	74.00	-24.79	peak	H
2479.911	50.76	41.77	92.53	NA	NA	peak	H
2479.911	48.81	41.77	90.58	NA	NA	AVG	H
2995.060	11.66	46.18	57.84	74.00	-16.16	peak	H
2997.694	2.44	46.46	48.90	54.00	-5.10	AVG	H



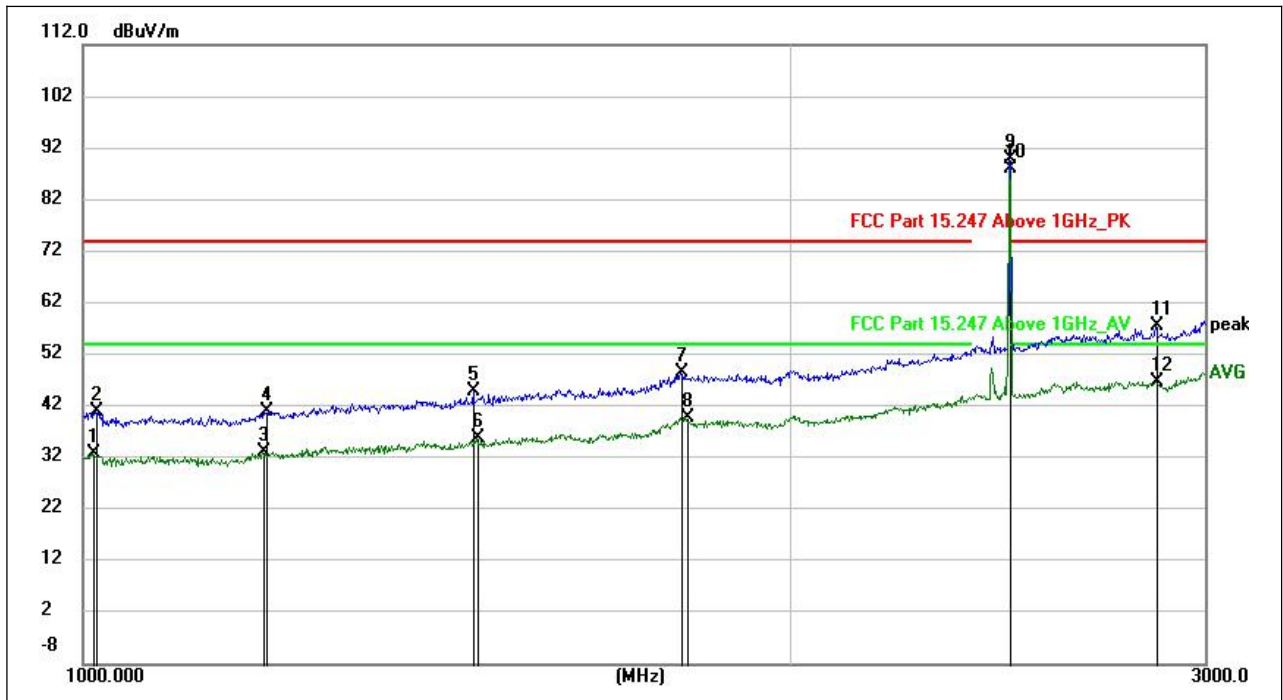
(8-DPSK\_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4959.750	46.41	-3.06	43.35	74.00	-30.65	peak	H
4959.750	41.55	-3.06	38.49	54.00	-15.51	AVG	H
7440.000	53.97	-0.31	53.66	74.00	-20.34	peak	H
7440.000	48.46	-0.31	48.15	54.00	-5.85	AVG	H
9920.250	47.60	2.14	49.74	74.00	-24.26	peak	H
9920.250	41.22	2.14	43.36	54.00	-10.64	AVG	H
13402.500	42.42	6.37	48.79	74.00	-25.21	peak	H
13402.500	33.06	6.37	39.43	54.00	-14.57	AVG	H
15734.250	33.10	11.28	44.38	54.00	-9.62	AVG	H
15760.500	41.97	10.71	52.68	74.00	-21.32	peak	H
17492.250	31.63	13.84	45.47	54.00	-8.53	AVG	H
17525.250	41.05	13.88	54.93	74.00	-19.07	peak	H



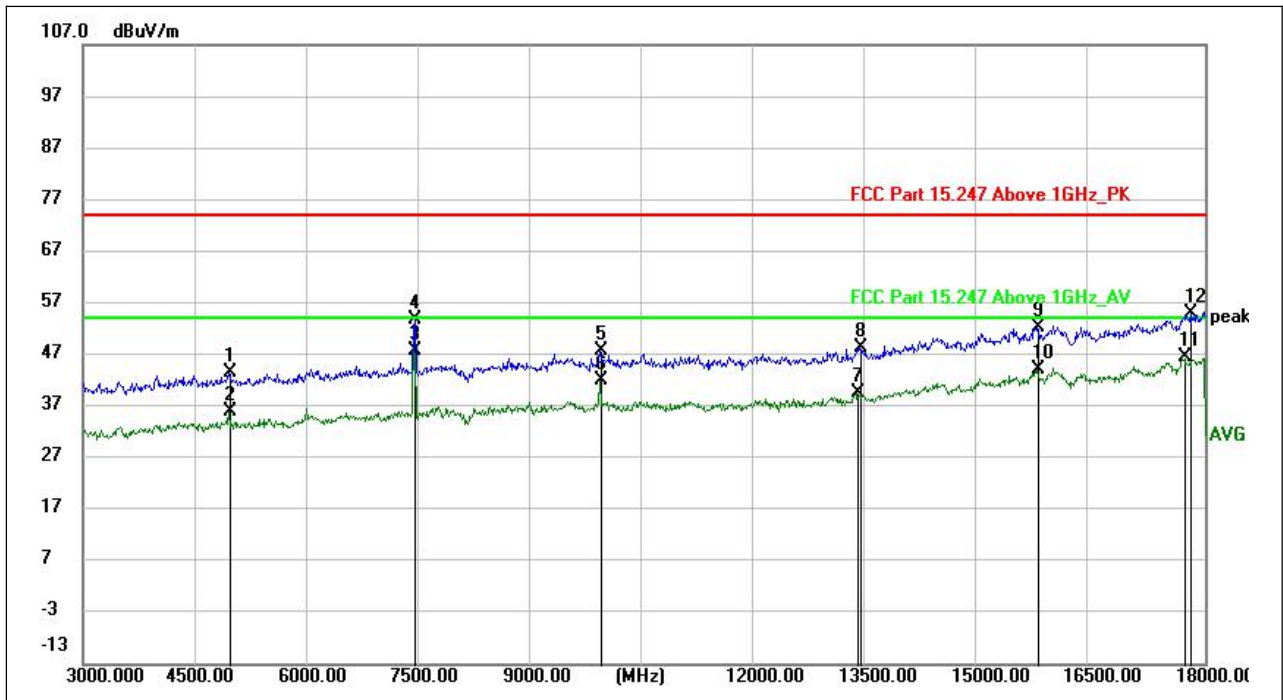
(8-DPSK\_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
30.5092	16.62	12.99	29.61	40.00	-10.39	peak	V
40.0363	14.97	15.66	30.63	40.00	-9.37	peak	V
71.5806	21.27	10.89	32.16	40.00	-7.84	peak	V
160.0087	7.64	12.20	19.84	43.50	-23.66	peak	V
319.9931	13.43	18.00	31.43	46.00	-14.57	peak	V
800.1012	9.53	26.13	35.66	46.00	-10.34	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
1010.048	4.60	28.33	32.93	54.00	-21.07	AVG	V
1013.493	12.94	28.13	41.07	74.00	-32.93	peak	V
1193.222	2.92	30.23	33.15	54.00	-20.85	AVG	V
1197.029	10.60	30.49	41.09	74.00	-32.91	peak	V
1465.838	12.52	32.27	44.79	74.00	-29.21	peak	V
1471.727	3.39	32.42	35.81	54.00	-18.19	AVG	V
1797.576	12.03	36.60	48.63	74.00	-25.37	peak	V
1805.890	3.45	36.38	39.83	54.00	-14.17	AVG	V
2480.047	48.20	41.77	89.97	NA	NA	peak	V
2480.047	46.40	41.77	88.17	NA	NA	AVG	V
2860.317	13.44	44.04	57.48	74.00	-16.52	peak	V
2860.317	2.65	44.04	46.69	54.00	-7.31	AVG	V



(8-DPSK\_2480MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Pol
4959.750	46.37	-2.88	43.49	74.00	-30.51	peak	V
4959.750	38.86	-2.88	35.98	54.00	-18.02	AVG	V
7439.250	48.21	-0.36	47.85	54.00	-6.15	AVG	V
7440.000	54.12	-0.35	53.77	74.00	-20.23	peak	V
9920.250	45.32	2.56	47.88	74.00	-26.12	peak	V
9920.250	39.34	2.56	41.90	54.00	-12.10	AVG	V
13354.500	32.98	6.49	39.47	54.00	-14.53	AVG	V
13389.750	41.91	6.40	48.31	74.00	-25.69	peak	V
15753.000	41.41	10.87	52.28	74.00	-21.72	peak	V
15753.000	33.26	10.87	44.13	54.00	-9.87	AVG	V
17719.500	31.94	14.70	46.64	54.00	-7.36	AVG	V
17805.750	40.47	14.51	54.98	74.00	-19.02	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

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

### 2. Identification of the Responsible Testing Location

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

### 3. Accreditation Certificate

<b>Accredited Testing Laboratory:</b>	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
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1	EMC32	V10.00.00	Rode&Schwarz	RE
2	EMC32	V10.20.01	Rode&Schwarz	CE

#### 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	2021.03.02
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

————— END OF REPORT —————