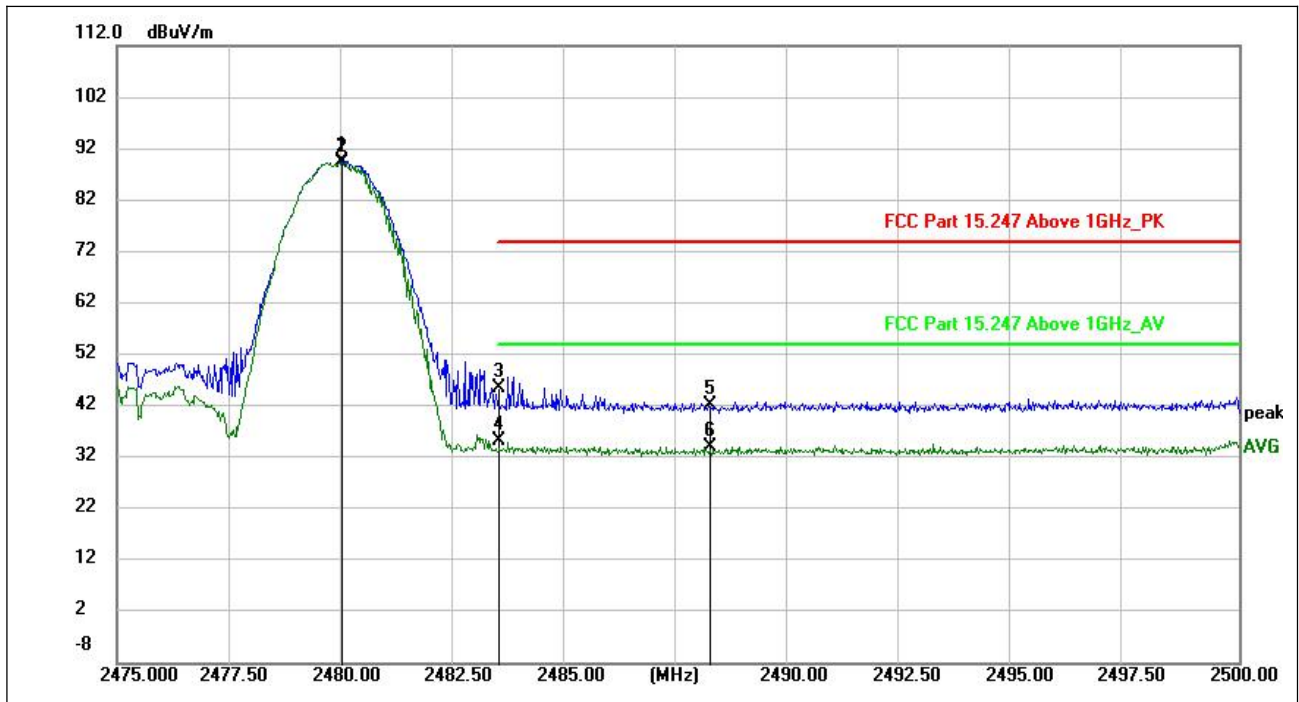
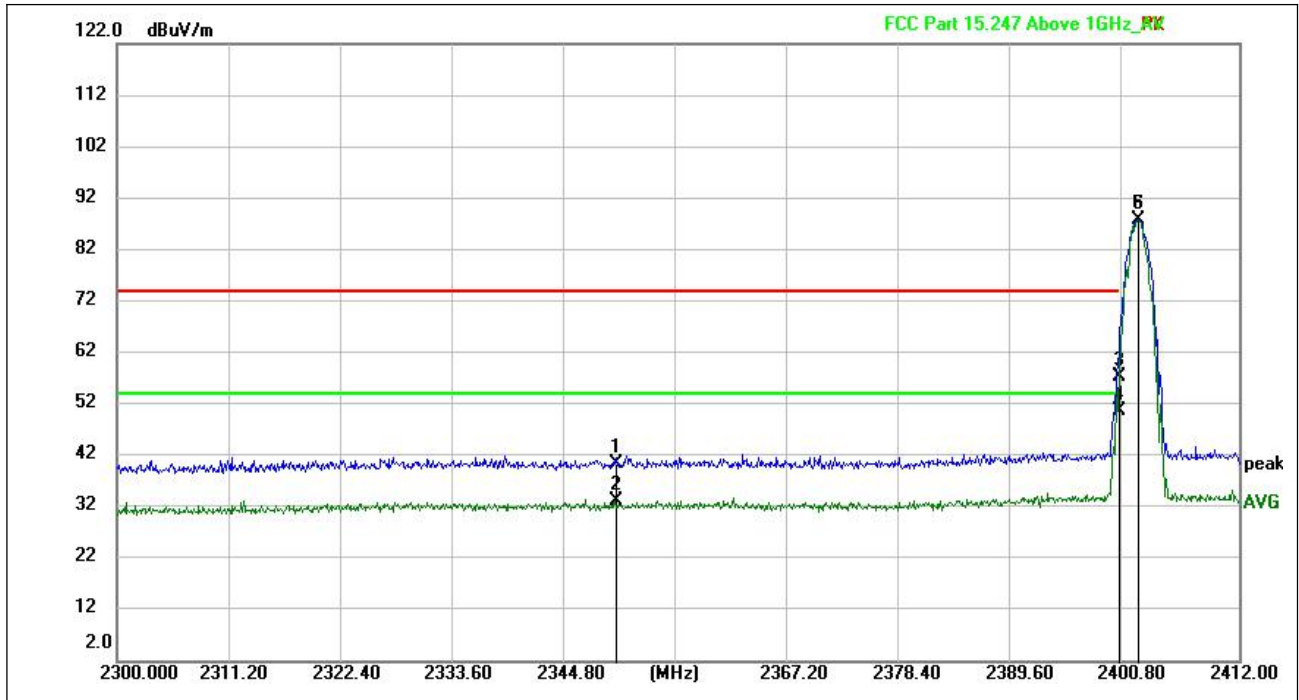




(GFSK_2480MHz, Antenna Vertical)

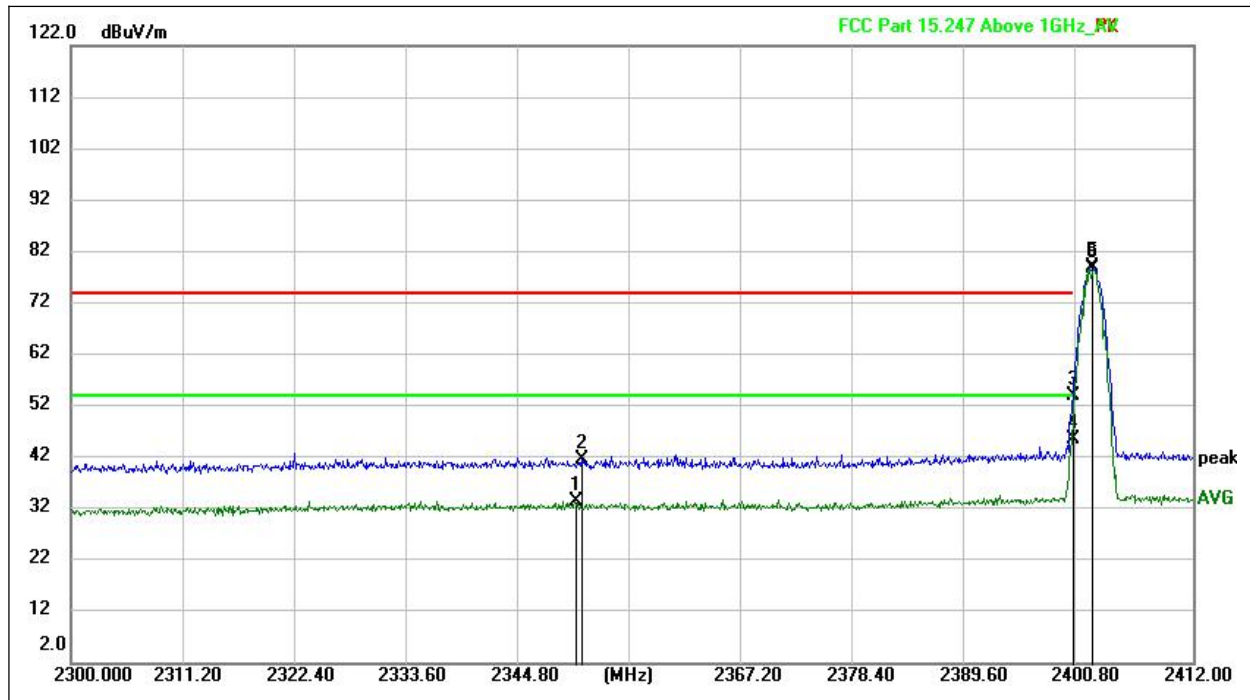
Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2480.021	89.47	---	---	---	V	8.26	PASS
2480.021	---	89.32	---	---	V	8.26	PASS
2483.500	45.41	---	74.00	28.59	V	8.36	PASS
2483.500	---	35.30	54.00	18.70	V	8.36	PASS
2488.214	42.30	---	74.00	31.70	V	8.36	PASS
2488.214	---	33.96	54.00	20.04	V	8.36	PASS

$\pi/4$ -DQPSK Test mode



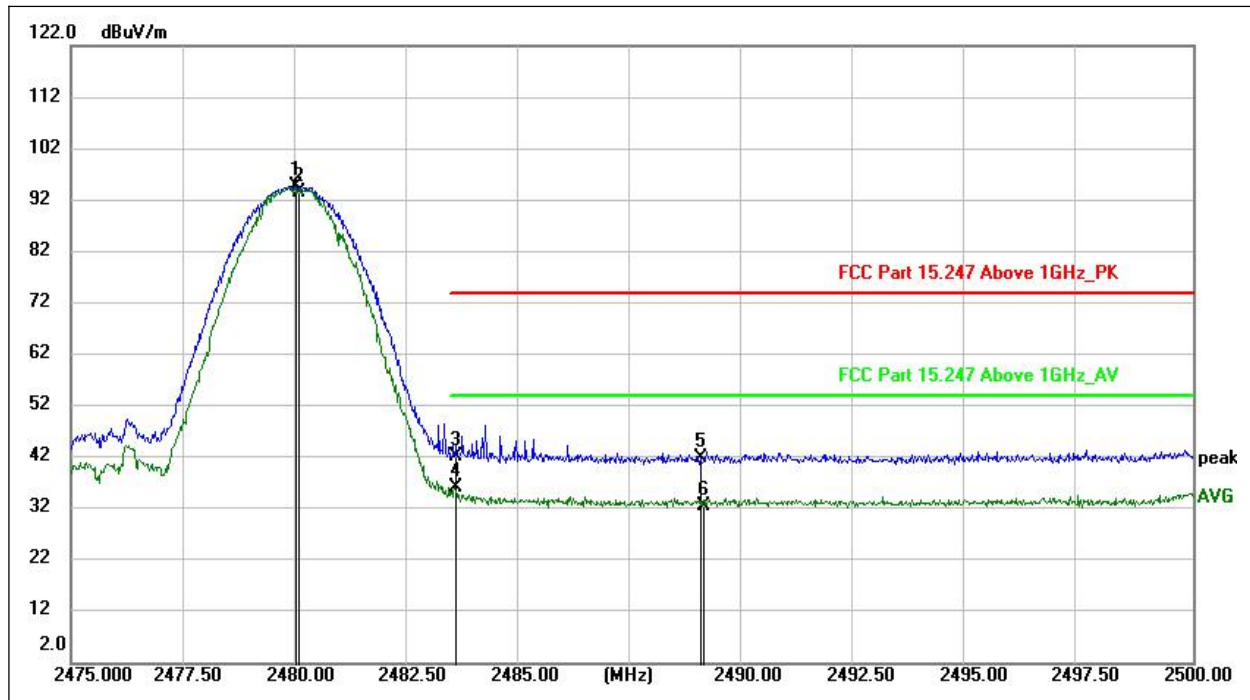
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2349.806	40.58	---	74.00	33.42	H	30.03	PASS
2349.806	---	33.15	54.00	20.85	H	30.03	PASS
2400.000	57.23	---	74.00	16.77	H	31.70	PASS
2400.000	---	50.83	54.00	3.17	H	31.70	PASS
2402.000	87.84	---	---	---	H	31.59	PASS
2402.000	---	87.73	---	---	H	31.59	PASS



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

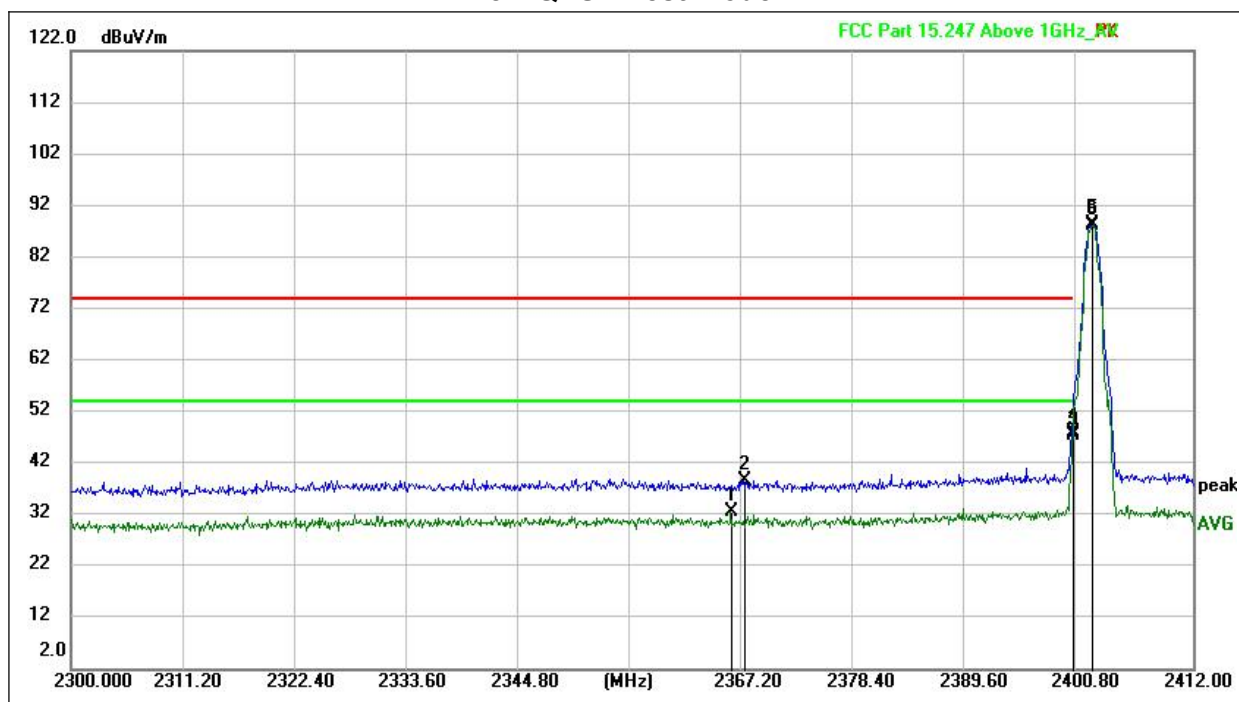
Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2350.394	---	33.54	54.00	20.46	V	7.72	PASS
2351.072	41.69	---	74.00	32.31	V	7.71	PASS
2400.000	54.11	---	74.00	19.89	V	8.70	PASS
2400.000	---	45.60	54.00	8.40	V	8.70	PASS
2402.000	78.98	---	---	---	V	8.68	PASS
2402.000	---	78.69	---	---	V	8.68	PASS



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

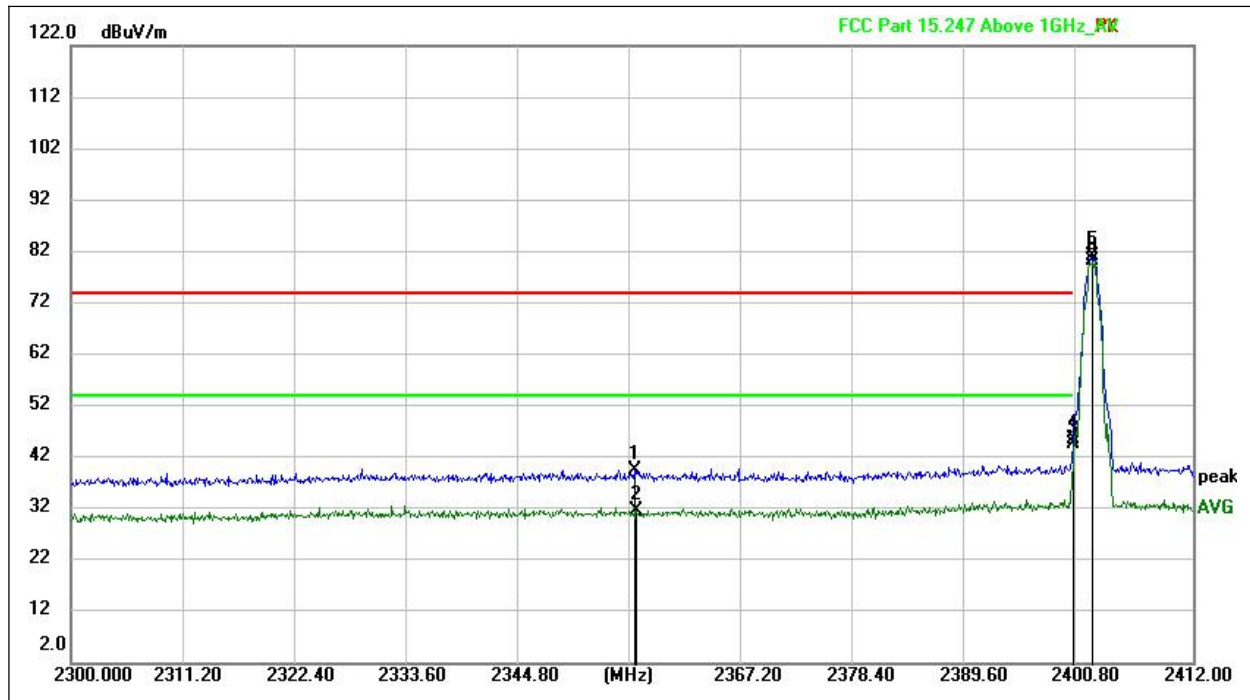
Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2479.976	94.65	---	---	---	H	8.26	PASS
2480.073	---	93.48	---	---	H	8.27	PASS
2483.568	42.39	---	74.00	31.61	H	8.36	PASS
2483.568	---	36.34	54.00	17.66	H	8.36	PASS
2489.050	41.82	---	74.00	32.18	H	8.35	PASS
2489.095	---	32.67	54.00	21.33	H	8.35	PASS

8-DQPSK Test mode



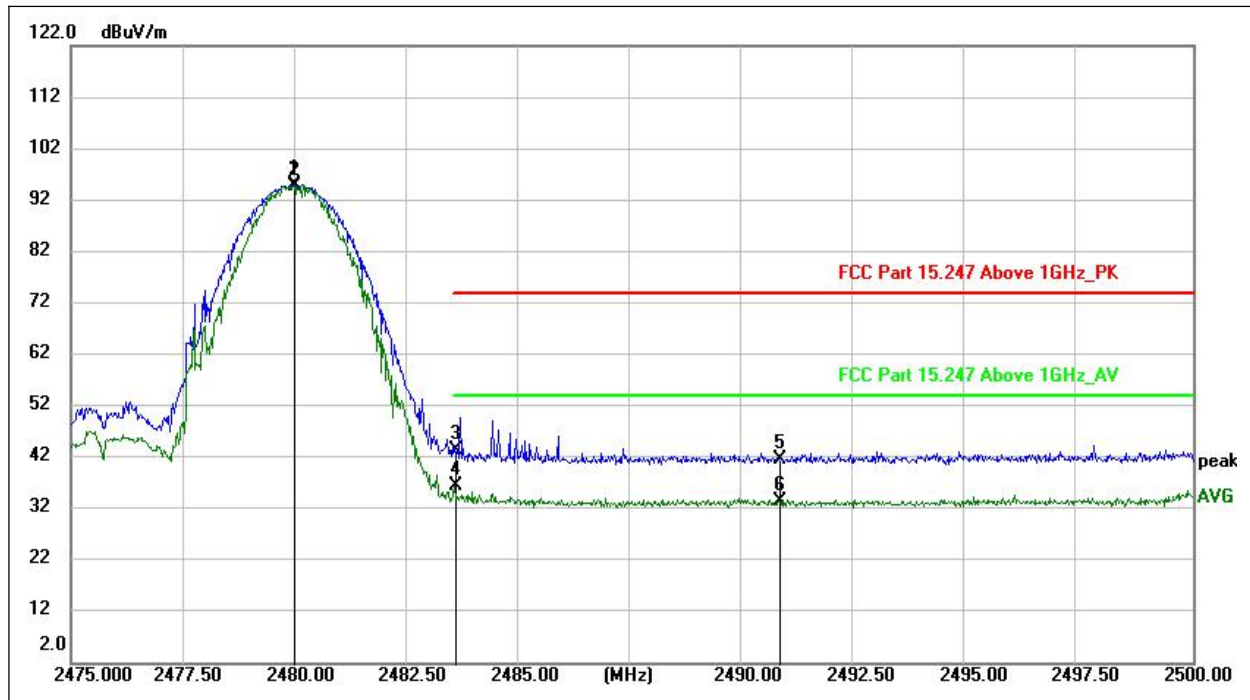
(8-DQPSK _2402MHz, Antenna Horizontal)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2365.862	---	32.65	54.00	21.35	H	7.43	PASS
2367.150	38.73	---	74.00	35.27	H	7.40	PASS
2400.000	47.45	---	74.00	26.55	H	8.70	PASS
2400.000	---	47.98	54.00	6.02	H	8.70	PASS
2402.000	88.27	---	---	---	H	8.68	PASS
2402.000	---	88.18	---	---	H	8.68	PASS



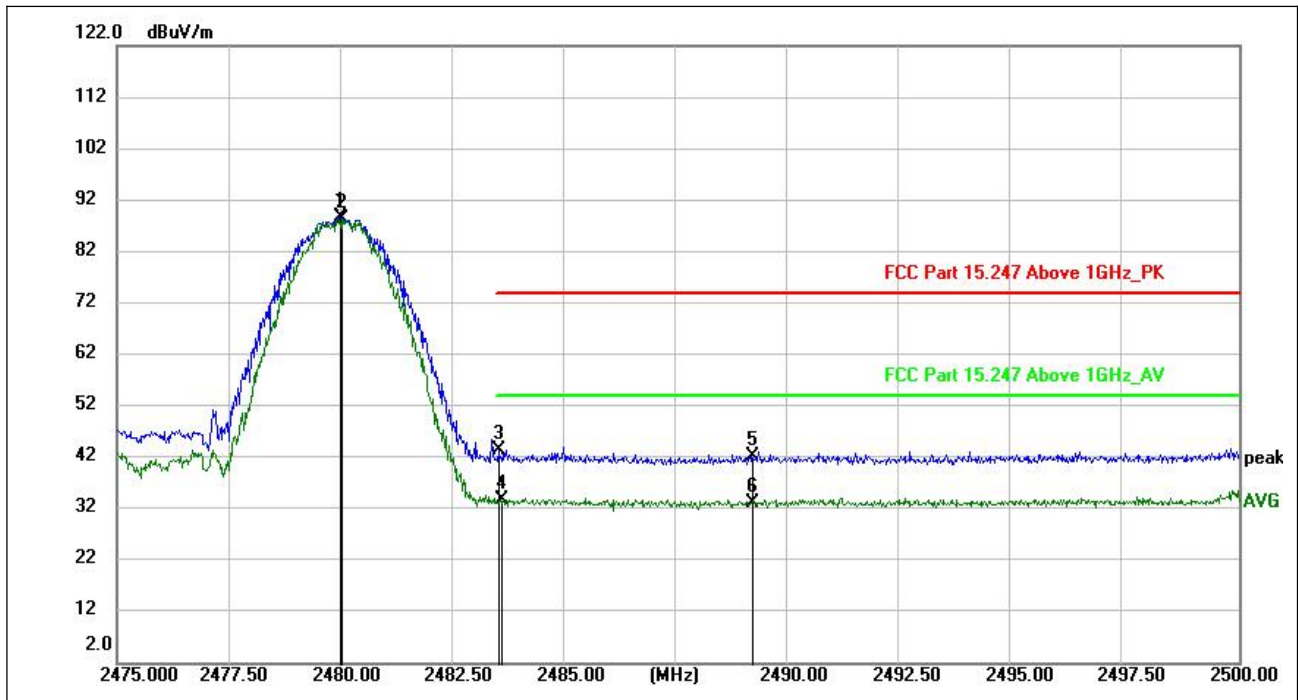
(8-DQPSK_2402MHz, Antenna Vertical)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2356.330	39.62	---	74.00	34.38	V	7.61	PASS
2356.426	---	31.80	54.00	22.20	V	7.60	PASS
2400.000	44.62	---	74.00	29.38	V	8.70	PASS
2400.000	---	45.68	54.00	8.32	V	8.70	PASS
2402.000	81.08	---	---	---	V	8.68	PASS
2402.000	---	80.39	---	---	V	8.68	PASS



(8-DQPSK_2480MHz, Antenna Horizontal)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2479.972	94.93	---	---	---	H	8.26	PASS
2479.972	---	94.75	---	---	H	8.26	PASS
2483.565	43.53	---	74.00	30.47	H	8.36	PASS
2483.565	---	36.42	54.00	17.58	H	8.36	PASS
2490.787	41.67	---	74.00	32.33	H	8.35	PASS
2490.787	---	33.65	54.00	20.35	H	8.35	PASS



(8-DQPSK_2480MHz, Antenna Vertical)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2479.957	88.57	---	---	---	V	8.26	PASS
2480.003	---	88.28	---	---	V	8.26	PASS
2483.519	43.47	---	74.00	30.53	V	8.36	PASS
2483.573	---	33.82	54.00	20.18	V	8.37	PASS
2489.168	42.16	---	74.00	31.84	V	8.35	PASS
2489.168	---	33.17	54.00	20.83	V	8.35	PASS

2.9. Conducted Emission

2.9.1. 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).

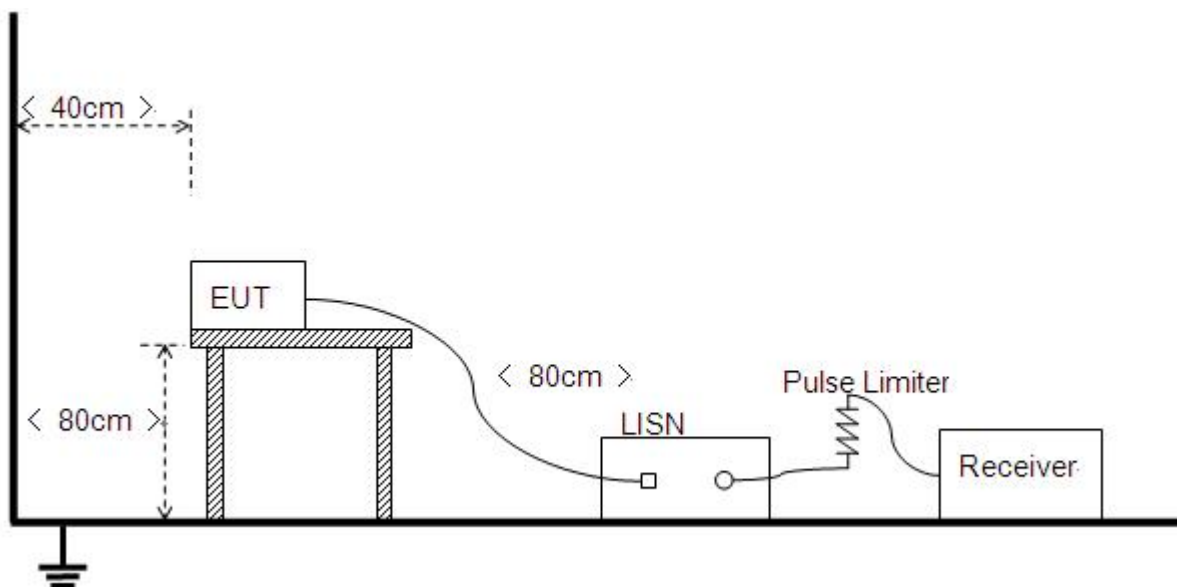
Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5- 30	60	50

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.

2.9.2. 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).

2.9.3. 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.

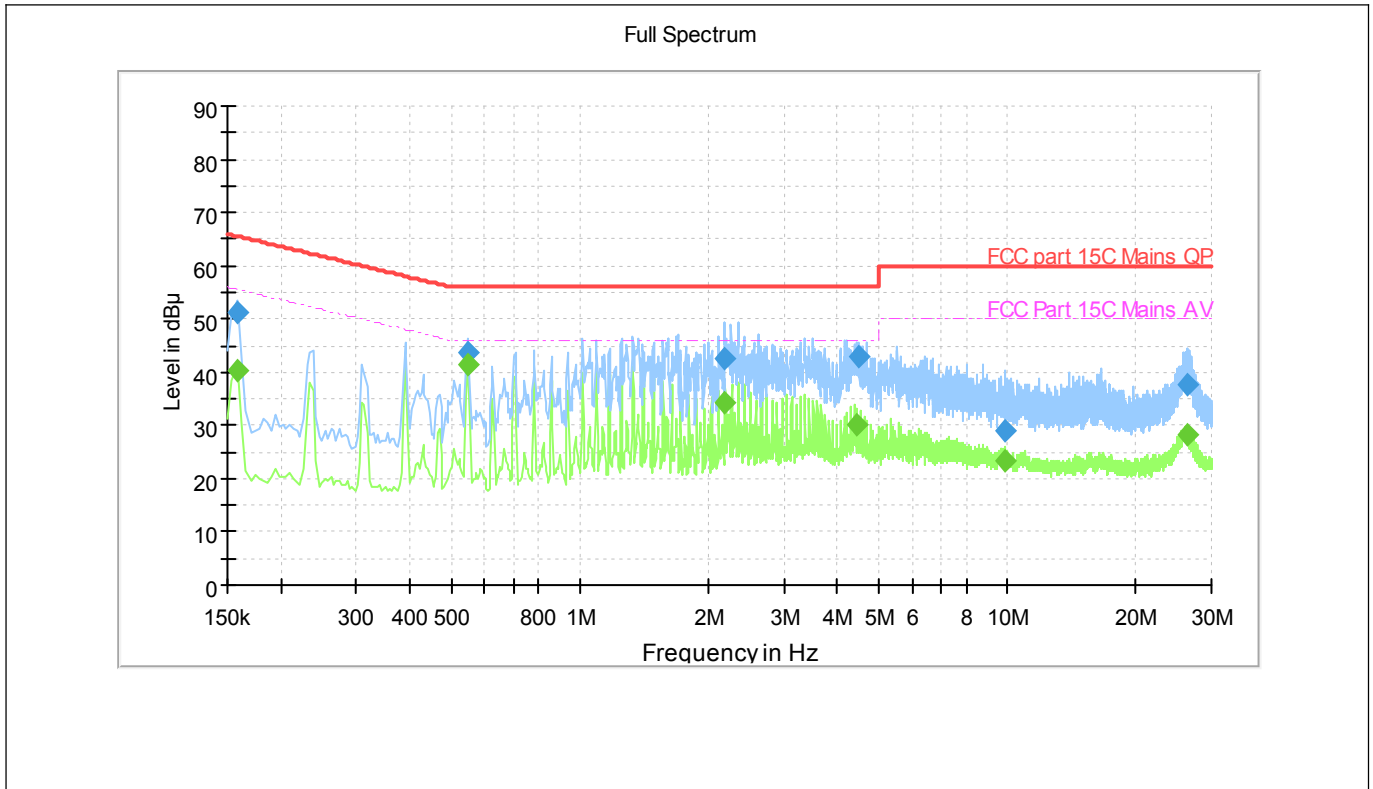
Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test setup:

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

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

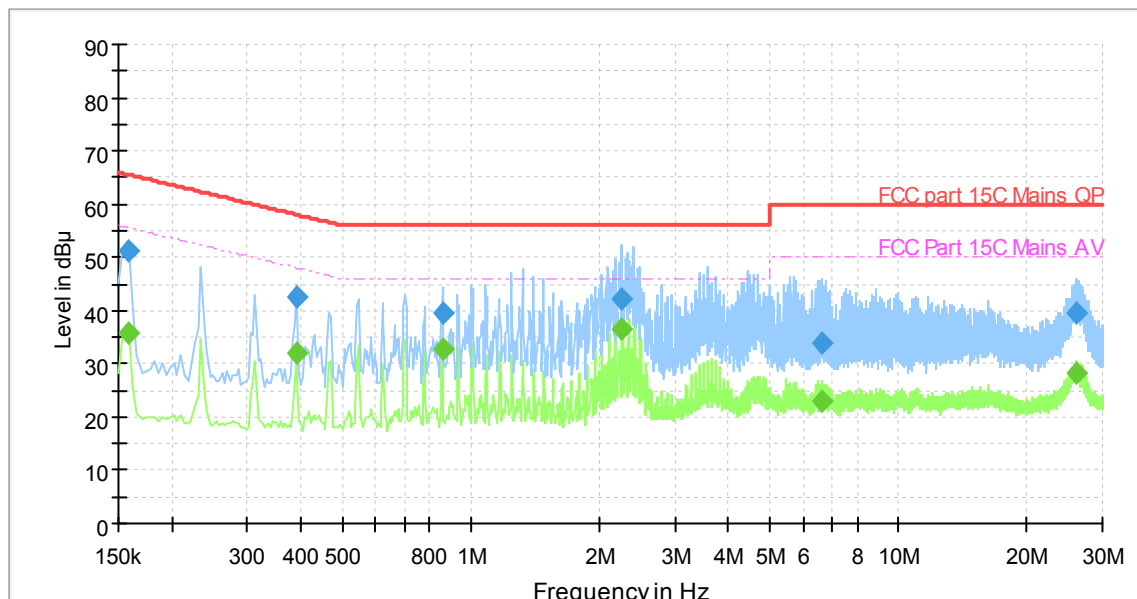
B. Test Plots:



(Plot A: L Phase)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Verdict
0.158000	51.31	---	65.57	14.26	L	10.2	PASS
0.158000	---	40.28	55.57	15.28	L	10.2	PASS
0.546000	43.81	---	56.00	12.19	L	10.2	PASS
0.546000	---	41.45	46.00	4.55	L	10.2	PASS
2.186000	42.49	---	56.00	13.51	L	10.3	PASS
2.190000	---	34.30	46.00	11.70	L	10.3	PASS
4.462000	---	30.30	46.00	15.70	L	10.4	PASS
4.470000	42.81	---	56.00	13.19	L	10.4	PASS
9.910000	28.94	---	60.00	31.06	L	10.7	PASS
9.914000	---	23.27	50.00	26.73	L	10.7	PASS
26.278000	37.48	---	60.00	22.52	L	10.6	PASS
26.326000	---	28.09	50.00	21.91	L	10.6	PASS

Full Spectrum



(Plot A: N Phase)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Verdict
0.158000	---	35.71	55.57	19.86	N	10.2	PASS
0.158000	51.20	---	65.57	14.37	N	10.2	PASS
0.390000	---	32.04	48.06	16.03	N	10.2	PASS
0.390000	42.73	---	58.06	15.33	N	10.2	PASS
0.858000	---	32.80	46.00	13.20	N	10.3	PASS
0.858000	39.46	---	56.00	16.54	N	10.3	PASS
2.254000	42.15	---	56.00	13.85	N	10.3	PASS
2.262000	---	36.39	46.00	9.61	N	10.3	PASS
6.614000	33.78	---	60.00	26.22	N	10.5	PASS
6.614000	---	22.97	50.00	27.03	N	10.5	PASS
26.022000	---	28.26	50.00	21.74	N	10.5	PASS
26.190000	39.67	---	60.00	20.33	N	10.5	PASS

2.10. Radiated Emission

2.10.1. 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:

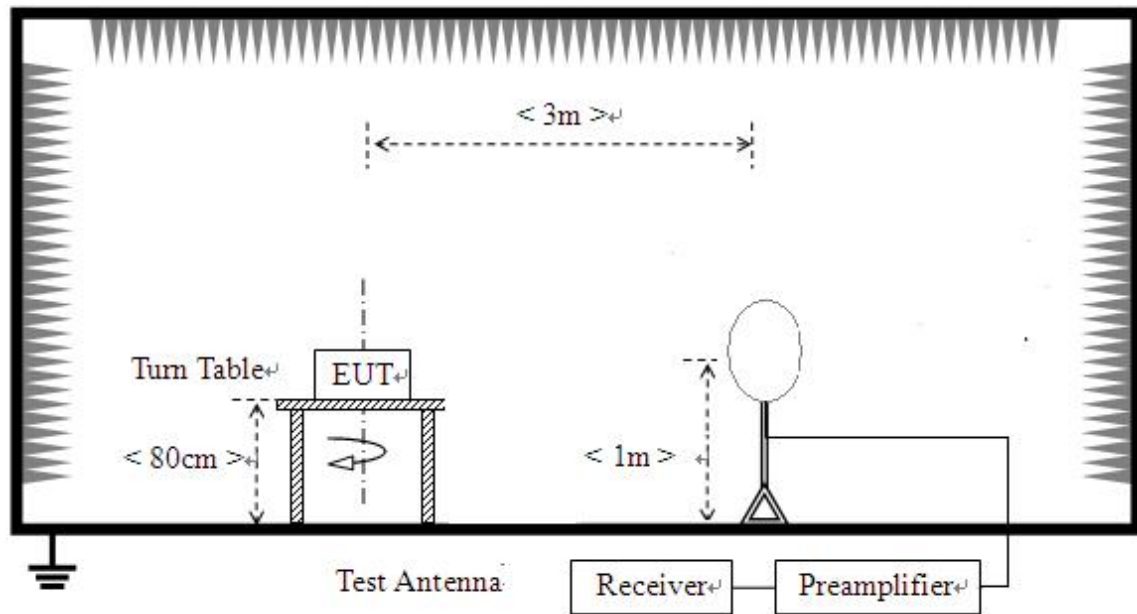
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength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

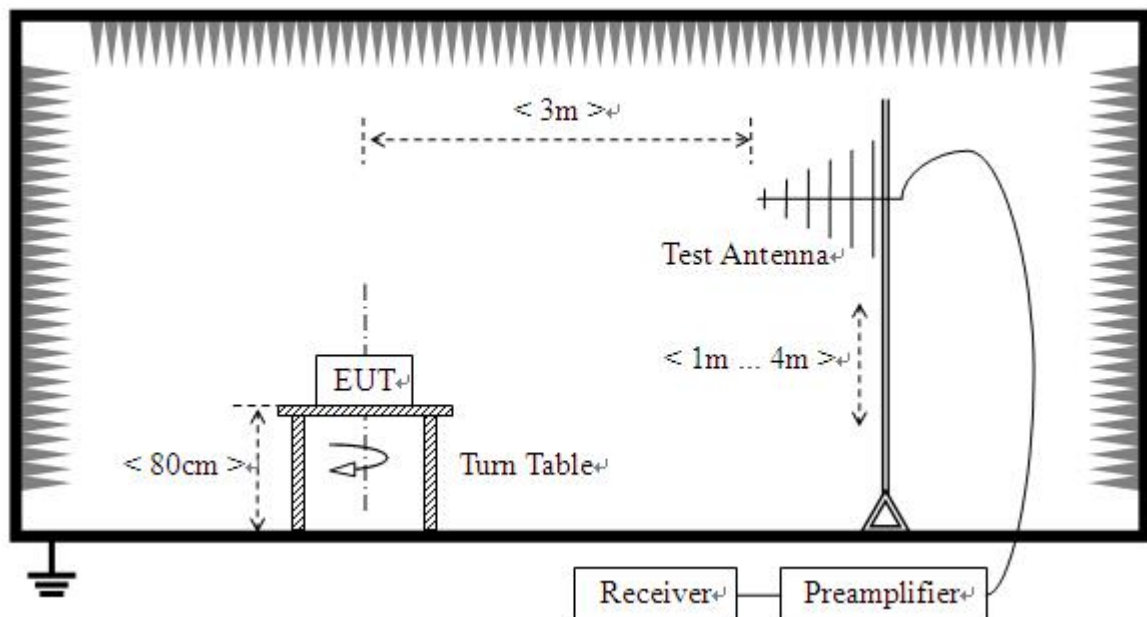
2.10.2. Test Description

A. Test Setup:

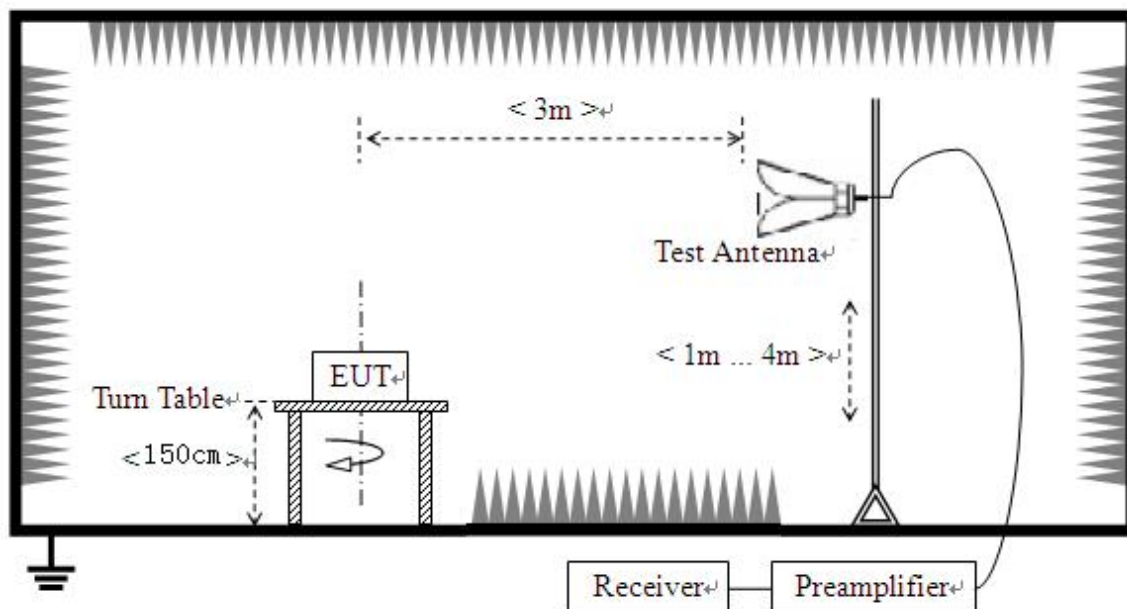
- 1) For radiated emissions from 9kHz to 30MHz



- 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:

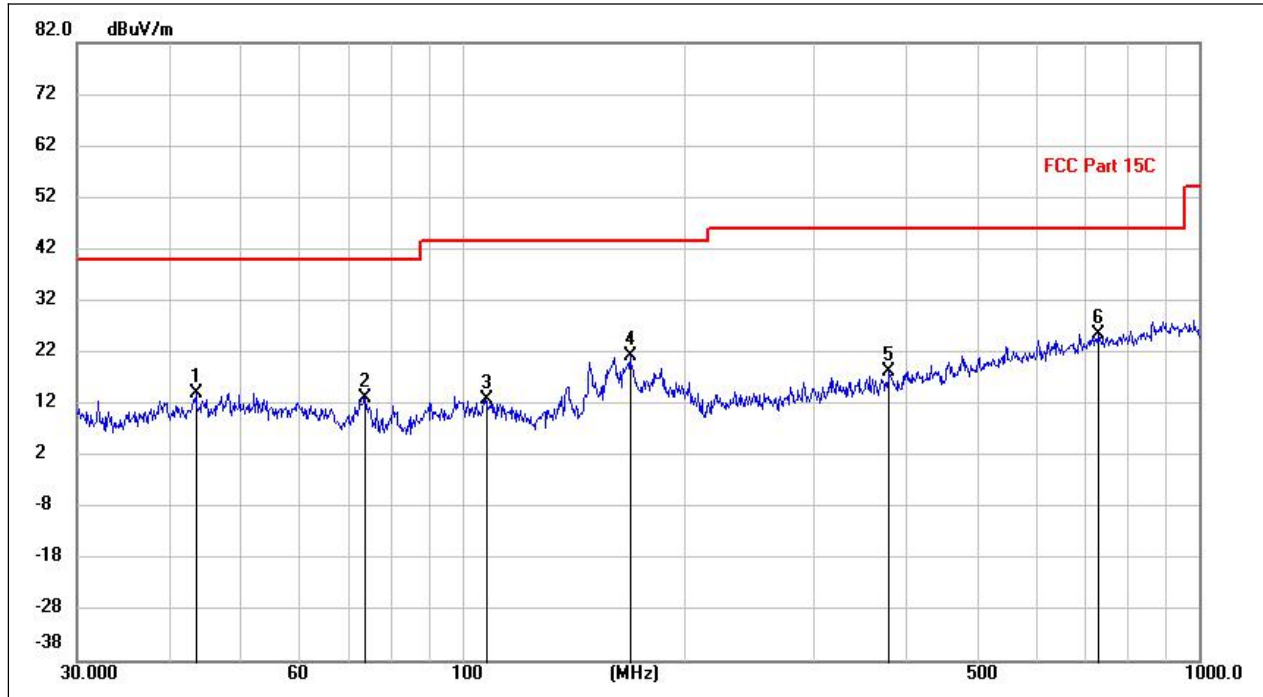
Please refer ANNEX B(4).

2.10.3. 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.

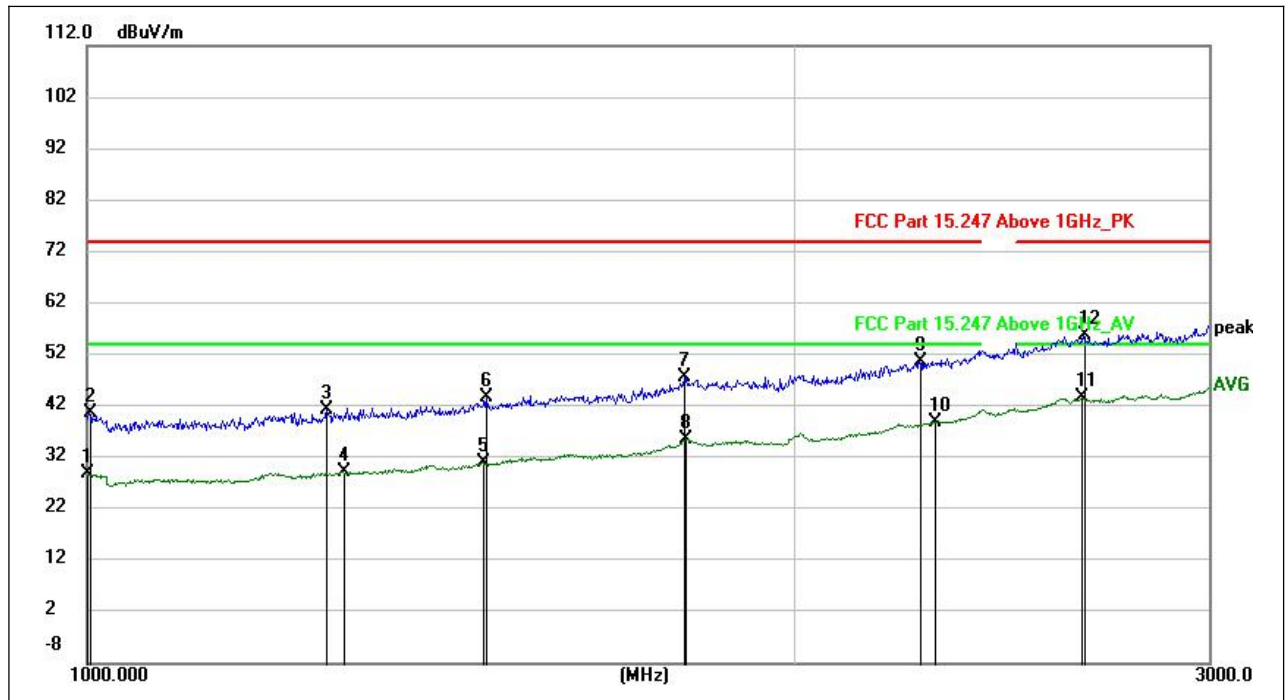
Note2: For the frequency, which started from 25GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

GFSK Test mode



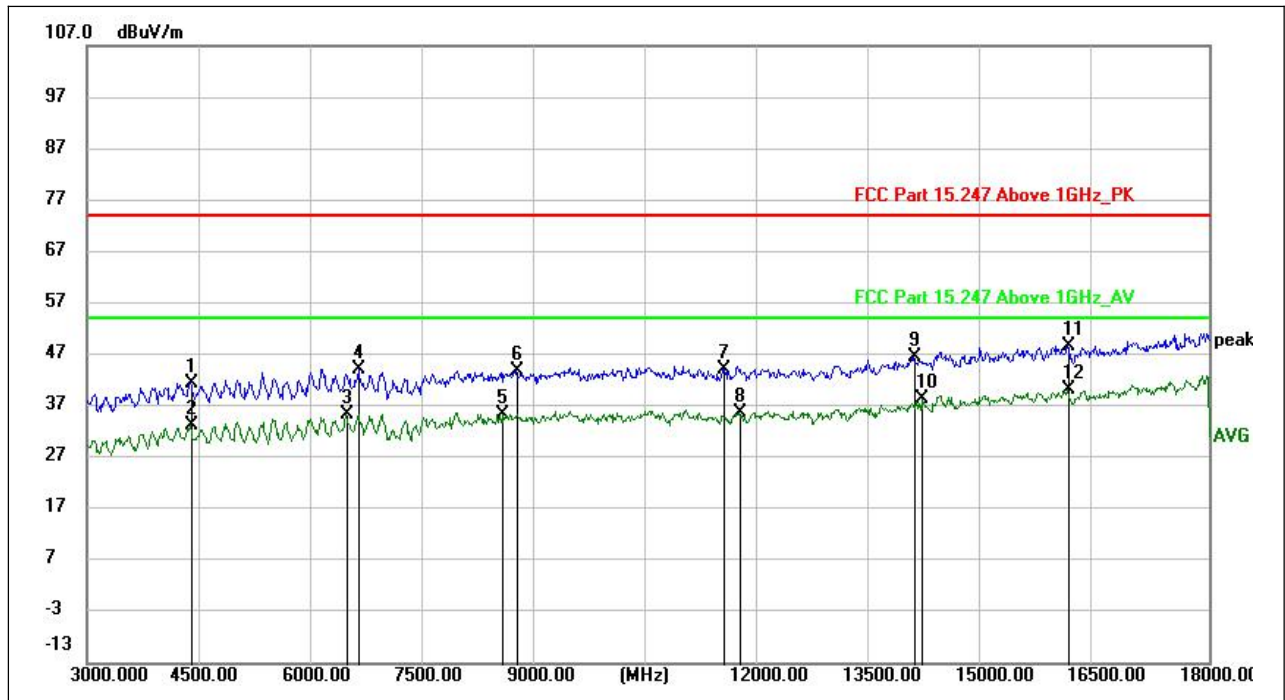
(GFSK_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
43.5668	13.92	40.00	26.08	H	15.26	PASS
73.7591	13.17	40.00	26.83	H	10.09	PASS
107.8121	12.87	43.50	30.63	H	14.56	PASS
169.2129	21.16	43.50	22.34	H	12.28	PASS
379.9141	18.38	46.00	27.62	H	19.19	PASS
731.9203	25.39	46.00	20.61	H	25.53	PASS



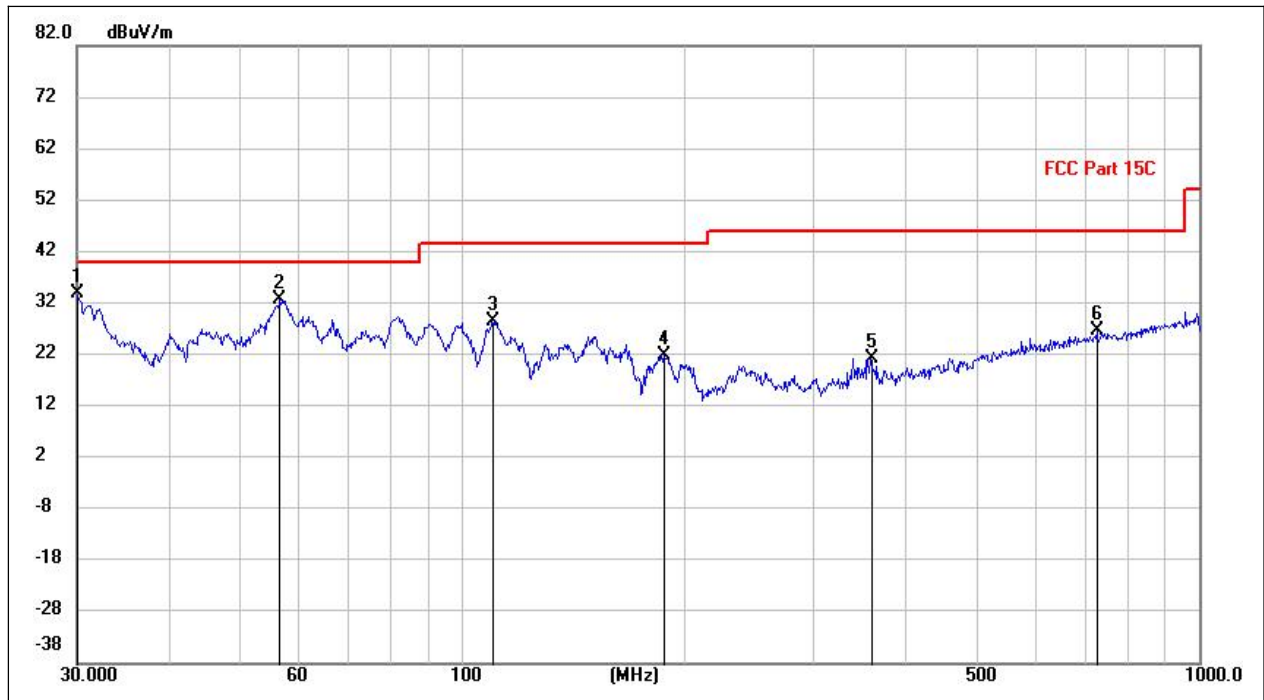
(GFSK_2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1000.0000	---	29.03	54.00	24.97	H	28.63	PASS
1002.200	40.80	---	74.00	33.20	H	28.57	PASS
1265.039	41.24	---	74.00	32.76	H	30.41	PASS
1284.647	---	29.31	54.00	24.69	H	30.66	PASS
1472.132	---	30.99	54.00	23.01	H	32.43	PASS
1478.615	43.83	---	74.00	30.17	H	32.37	PASS
1795.997	47.62	---	74.00	26.38	H	36.48	PASS
1797.971	---	35.64	54.00	18.36	H	36.63	PASS
2259.561	50.69	---	74.00	23.31	H	39.14	PASS
2292.063	---	38.92	54.00	15.08	H	39.60	PASS
2649.760	---	43.62	54.00	10.38	H	43.32	PASS
2652.673	55.75	---	74.00	18.25	H	43.29	PASS



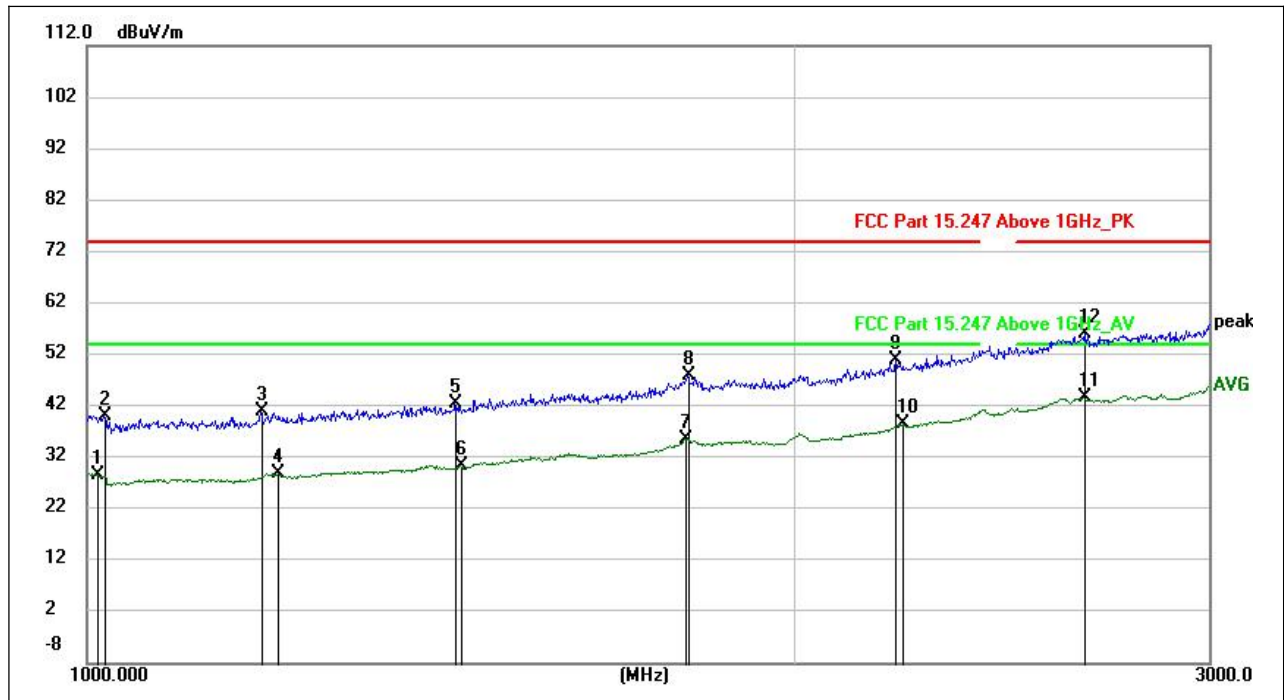
(GFSK_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4401.000	41.42	---	74.00	32.58	H	-3.61	PASS
4401.000	---	33.27	54.00	20.73	H	-3.61	PASS
6477.000	---	35.35	54.00	18.65	H	-1.99	PASS
6642.750	43.99	---	74.00	30.01	H	-0.41	PASS
8553.750	---	35.36	54.00	18.64	H	1.16	PASS
8757.750	43.79	---	74.00	30.21	H	1.46	PASS
11517.000	44.23	---	74.00	29.77	H	3.48	PASS
11720.250	---	35.59	54.00	18.41	H	3.98	PASS
14064.750	46.59	---	74.00	27.41	H	8.38	PASS
14173.500	---	38.29	54.00	15.71	H	8.07	PASS
16118.250	48.56	---	74.00	25.44	H	11.06	PASS
16118.250	---	40.11	54.00	13.89	H	11.06	PASS



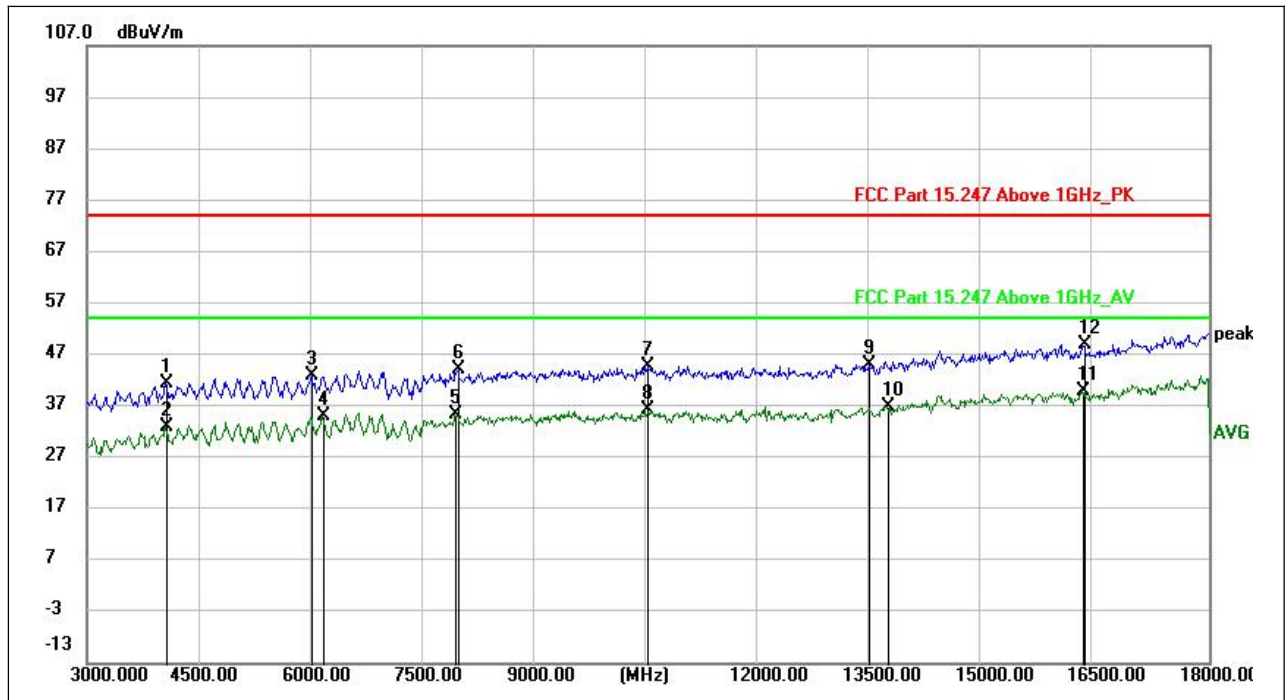
(GFSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	33.82	40.00	6.18	V	13.90	PASS
56.5929	32.81	40.00	7.19	V	14.69	PASS
110.0079	28.63	43.50	14.87	V	14.97	PASS
188.3795	21.99	43.50	21.51	V	13.09	PASS
358.4939	21.22	46.00	24.78	V	18.47	PASS
729.2304	26.68	46.00	19.32	V	25.35	PASS



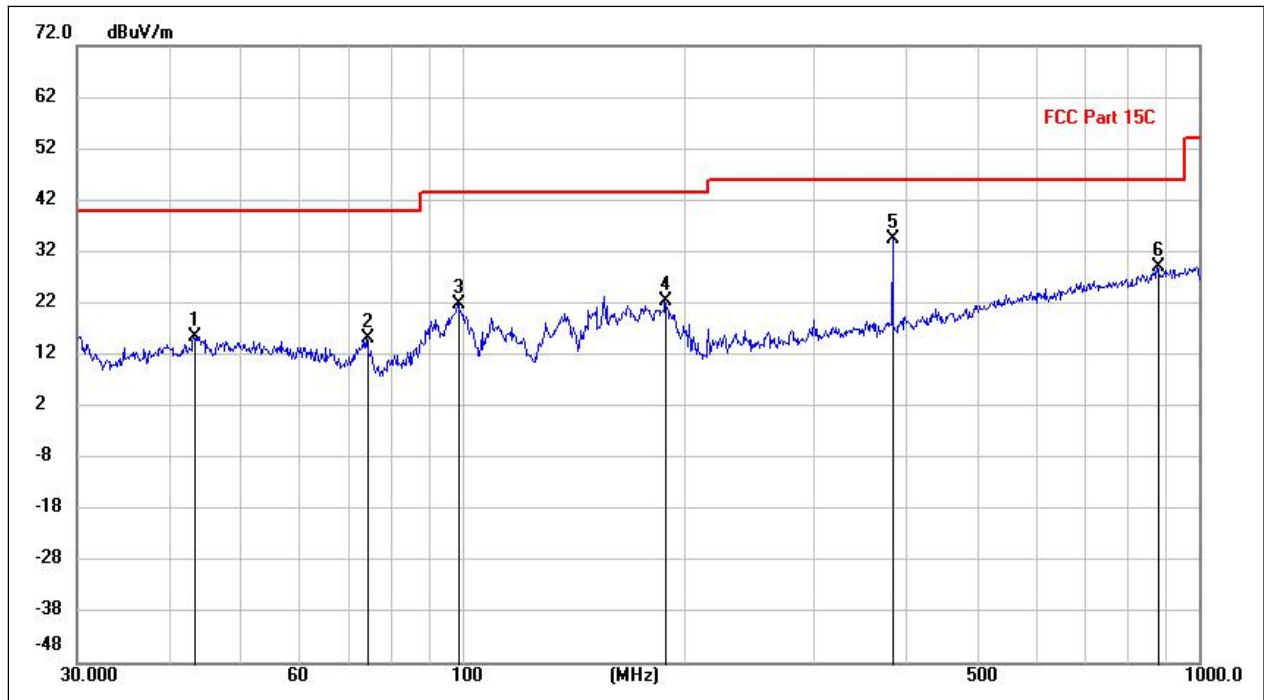
(GFSK_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1009.937	---	28.72	54.00	25.28	V	28.33	PASS
1016.616	40.18	---	74.00	33.82	V	27.96	PASS
1185.643	40.98	---	74.00	33.02	V	29.75	PASS
1205.343	---	28.85	54.00	25.15	V	30.43	PASS
1433.824	42.44	---	74.00	31.56	V	31.50	PASS
1441.722	---	30.33	54.00	23.67	V	31.63	PASS
1797.971	---	35.58	54.00	18.42	V	36.63	PASS
1799.948	48.05	---	74.00	25.95	V	36.78	PASS
2208.027	50.83	---	74.00	23.17	V	38.95	PASS
2222.630	---	38.58	54.00	15.42	V	39.07	PASS
2652.673	---	43.65	54.00	10.35	V	43.29	PASS
2655.589	56.15	---	74.00	17.85	V	43.25	PASS



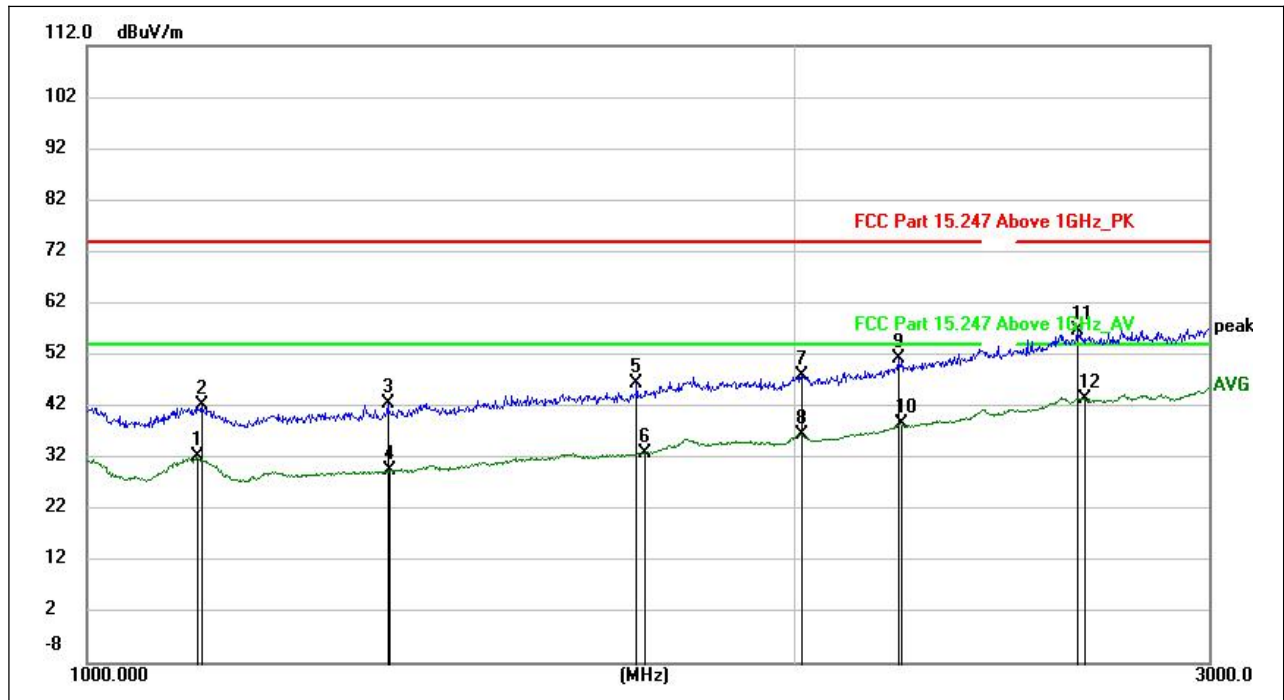
(GFSK_2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4059.000	41.30	---	74.00	32.70	V	-3.61	PASS
4059.000	---	33.08	54.00	20.92	V	-3.61	PASS
6012.750	42.87	---	74.00	31.13	V	-1.99	PASS
6156.000	---	34.98	54.00	19.02	V	-0.41	PASS
7934.250	---	35.42	54.00	18.58	V	1.16	PASS
7968.000	44.28	---	74.00	29.72	V	1.46	PASS
10491.000	44.81	---	74.00	29.19	V	3.48	PASS
10491.000	---	36.27	54.00	17.73	V	3.98	PASS
13462.500	45.06	---	74.00	28.94	V	8.38	PASS
13699.500	---	36.92	54.00	17.08	V	8.07	PASS
16310.250	---	40.02	54.00	13.98	V	11.06	PASS
16335.750	48.81	---	74.00	25.19	V	11.06	PASS



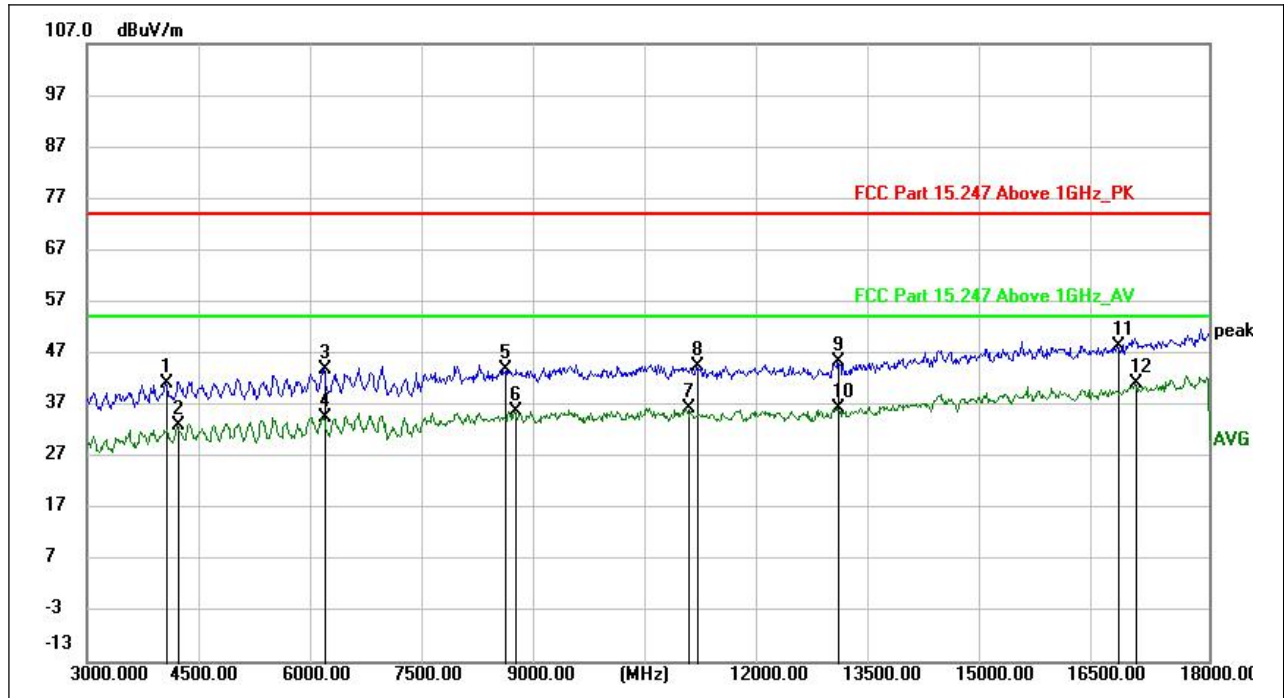
(GFSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
43.2472	15.48	40.00	24.52	H	15.25	PASS
74.2131	15.16	40.00	24.84	H	9.97	PASS
98.6248	21.80	43.50	21.70	H	14.07	PASS
188.8093	22.46	43.50	21.04	H	13.20	PASS
383.9991	34.46	46.00	11.54	H	18.74	PASS
879.2459	28.89	46.00	17.11	H	27.67	PASS



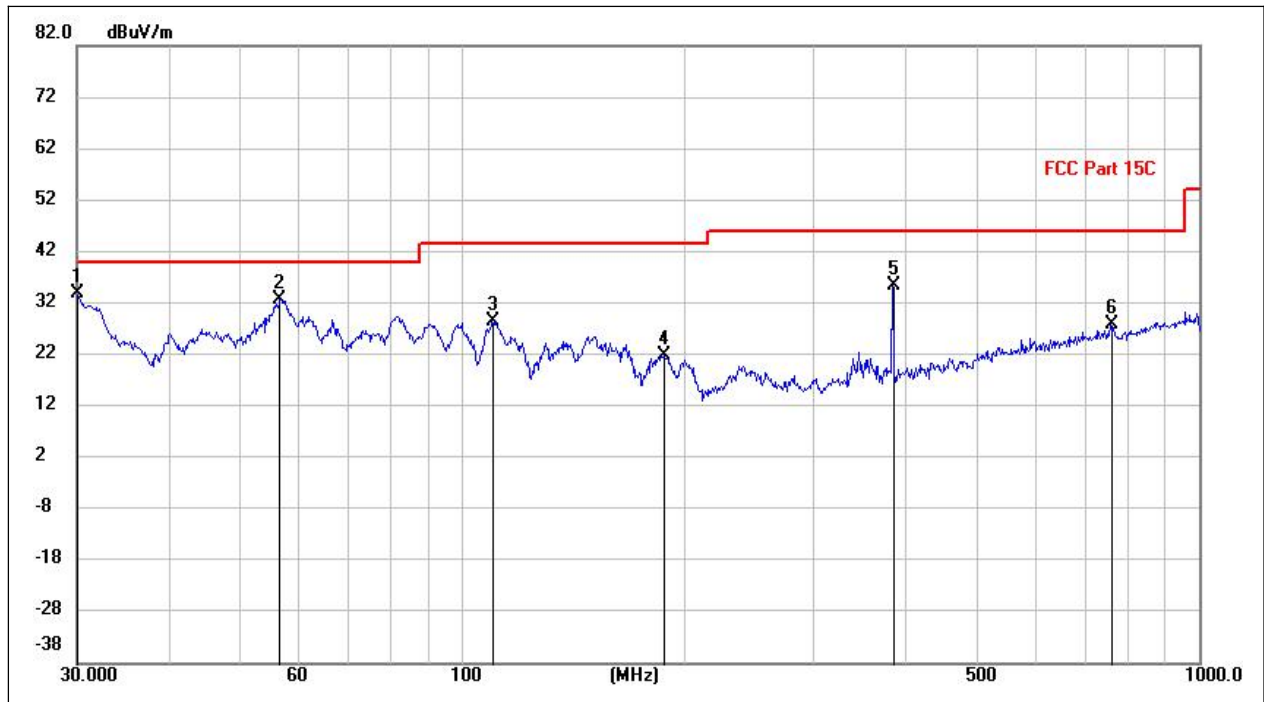
(GFSK_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1113.674	---	32.31	54.00	21.69	H	28.97	PASS
1118.578	42.12	---	74.00	31.88	H	28.93	PASS
1342.358	42.39	---	74.00	31.61	H	30.94	PASS
1345.311	---	29.62	54.00	24.38	H	31.00	PASS
1713.126	46.47	---	74.00	27.53	H	33.99	PASS
1726.352	---	32.93	54.00	21.07	H	34.17	PASS
2013.382	47.99	---	74.00	26.01	H	36.87	PASS
2013.382	---	36.57	54.00	17.43	H	36.87	PASS
2212.884	51.16	---	74.00	22.84	H	39.15	PASS
2217.752	---	38.44	54.00	15.56	H	39.14	PASS
2638.141	56.78	---	74.00	17.22	H	43.17	PASS
2652.673	---	43.54	54.00	10.46	H	43.29	PASS



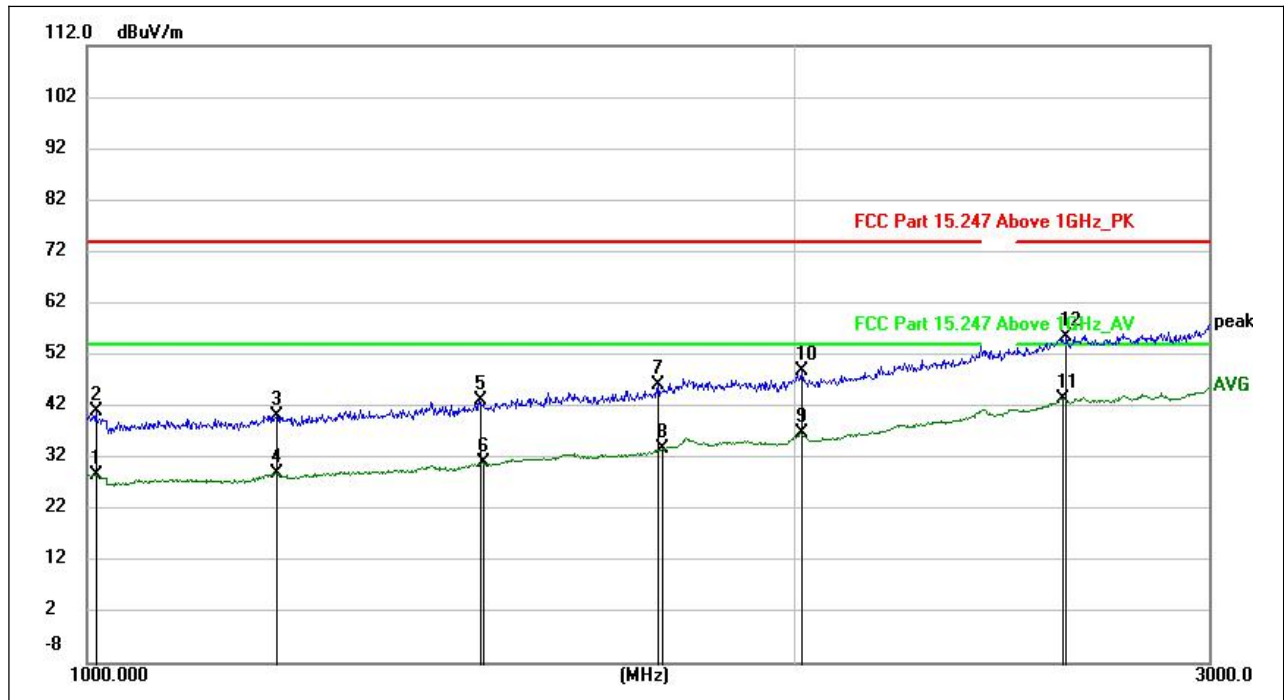
(GFSK _2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4061.250	41.23	---	74.00	32.77	H	-4.68	PASS
4223.250	---	32.84	54.00	21.16	H	-4.02	PASS
6173.250	43.92	---	74.00	30.08	H	-1.60	PASS
6173.250	---	34.58	54.00	19.42	H	-1.60	PASS
8583.750	43.86	---	74.00	30.14	H	1.11	PASS
8733.750	---	35.77	54.00	18.23	H	1.41	PASS
11028.750	---	36.36	54.00	17.64	H	3.46	PASS
11159.250	44.31	---	74.00	29.69	H	3.12	PASS
13037.250	45.20	---	74.00	28.80	H	6.37	PASS
13037.250	---	36.16	54.00	17.84	H	6.37	PASS
16774.500	48.23	---	74.00	25.77	H	11.52	PASS
17022.750	---	41.07	54.00	12.93	H	11.34	PASS



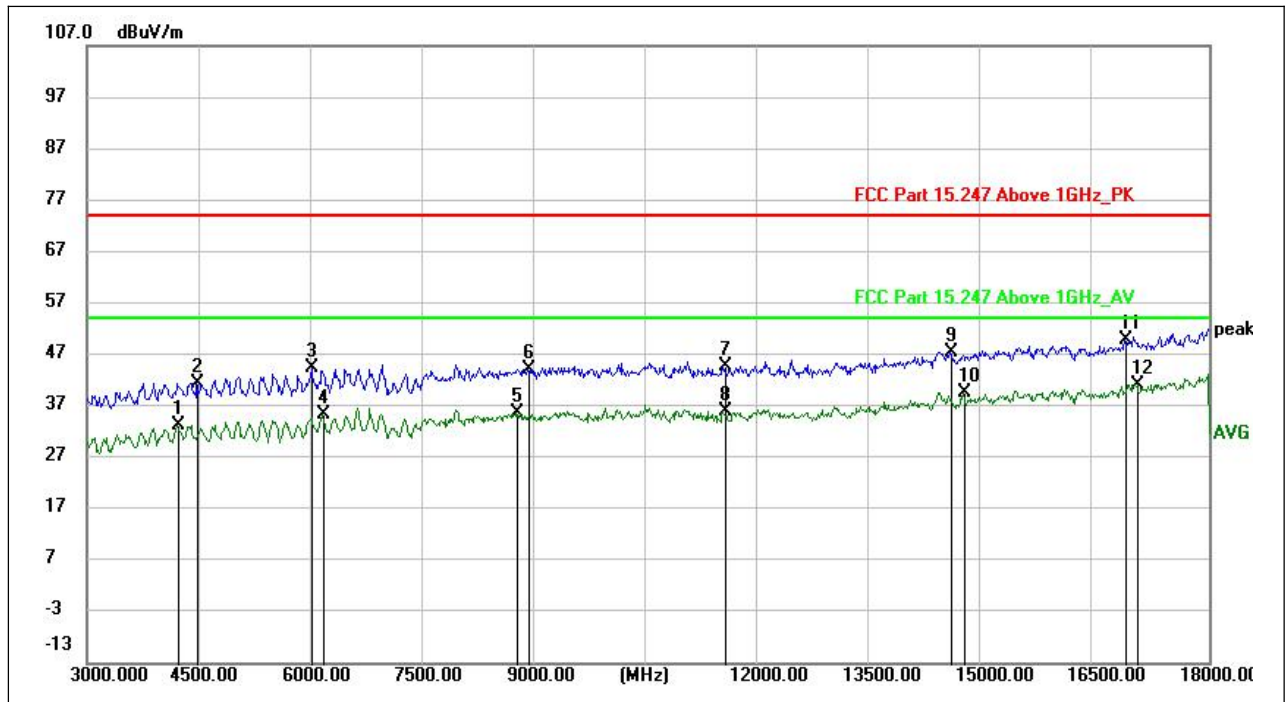
(GFSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	33.93	40.00	6.07	V	13.90	PASS
56.5929	32.81	40.00	7.19	V	14.69	PASS
110.0079	28.63	43.50	14.87	V	14.97	PASS
188.3795	21.99	43.50	21.51	V	13.09	PASS
383.9991	35.49	46.00	10.51	V	18.74	PASS
759.7705	27.96	46.00	18.04	V	26.24	PASS



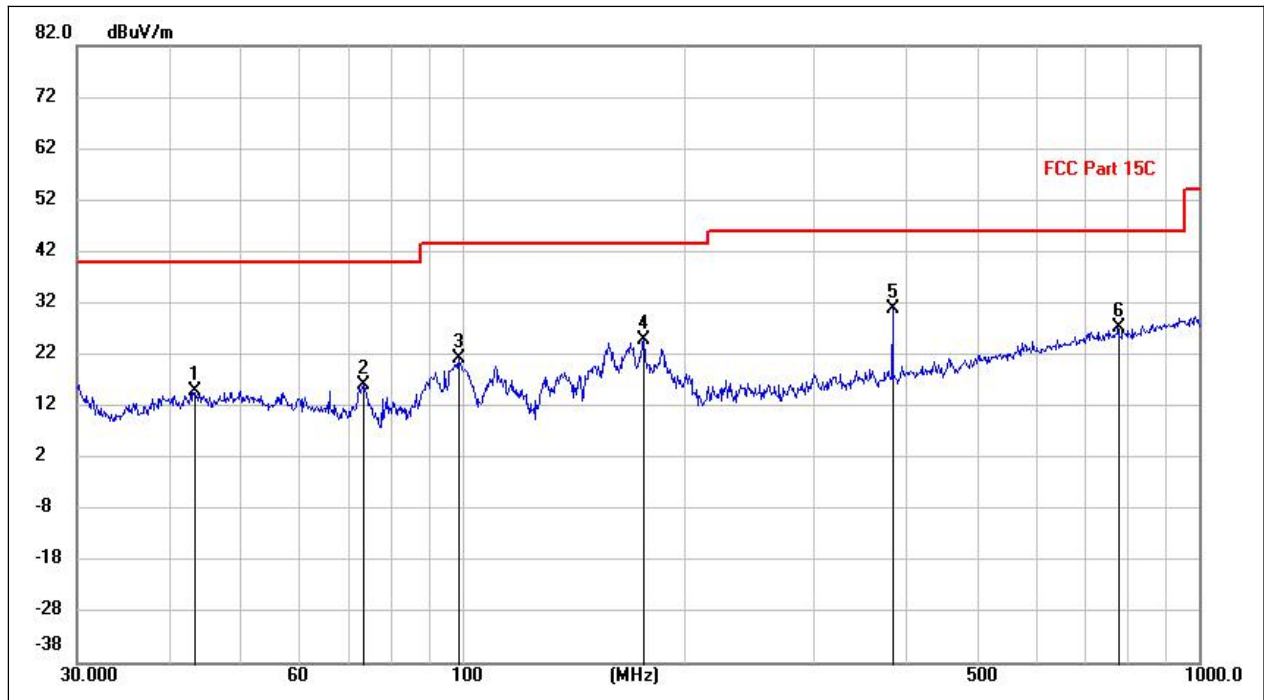
(GFSK_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1007.720	---	28.65	54.00	25.35	V	28.42	PASS
1008.828	40.92	---	74.00	33.08	V	28.39	PASS
1204.019	40.21	---	74.00	33.79	V	30.50	PASS
1204.019	---	28.93	54.00	25.07	V	30.50	PASS
1468.901	42.96	---	74.00	31.04	V	32.36	PASS
1472.132	---	31.01	54.00	22.99	V	32.43	PASS
1749.261	45.99	---	74.00	28.01	V	34.69	PASS
1756.965	---	33.84	54.00	20.16	V	34.91	PASS
2011.172	---	36.74	54.00	17.26	V	36.99	PASS
2013.382	48.84	---	74.00	25.16	V	36.87	PASS
2600.731	---	43.38	54.00	10.62	V	43.66	PASS
2609.317	55.42	---	74.00	18.58	V	43.18	PASS



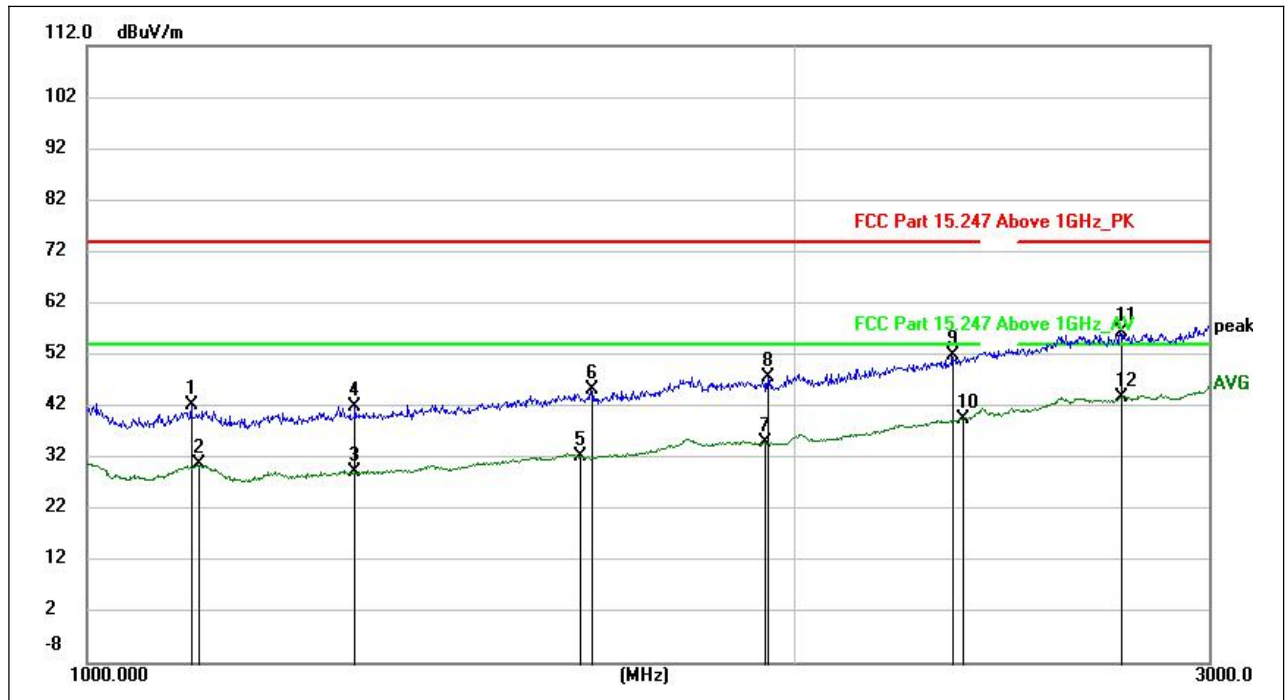
(GFSK_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4228.500	---	33.28	54.00	20.72	V	-3.98	PASS
4480.500	41.52	---	74.00	32.48	V	-3.48	PASS
6010.500	44.56	---	74.00	29.44	V	-1.28	PASS
6164.250	---	35.36	54.00	18.64	V	-1.44	PASS
8758.500	---	35.67	54.00	18.33	V	1.46	PASS
8907.750	44.18	---	74.00	29.82	V	1.27	PASS
11523.750	44.68	---	74.00	29.32	V	3.75	PASS
11523.750	---	35.98	54.00	18.02	V	3.75	PASS
14550.000	47.53	---	74.00	26.47	V	9.22	PASS
14723.250	---	39.65	54.00	14.35	V	9.47	PASS
16878.000	50.00	---	74.00	24.00	V	12.26	PASS
17029.500	---	41.26	54.00	12.74	V	12.93	PASS



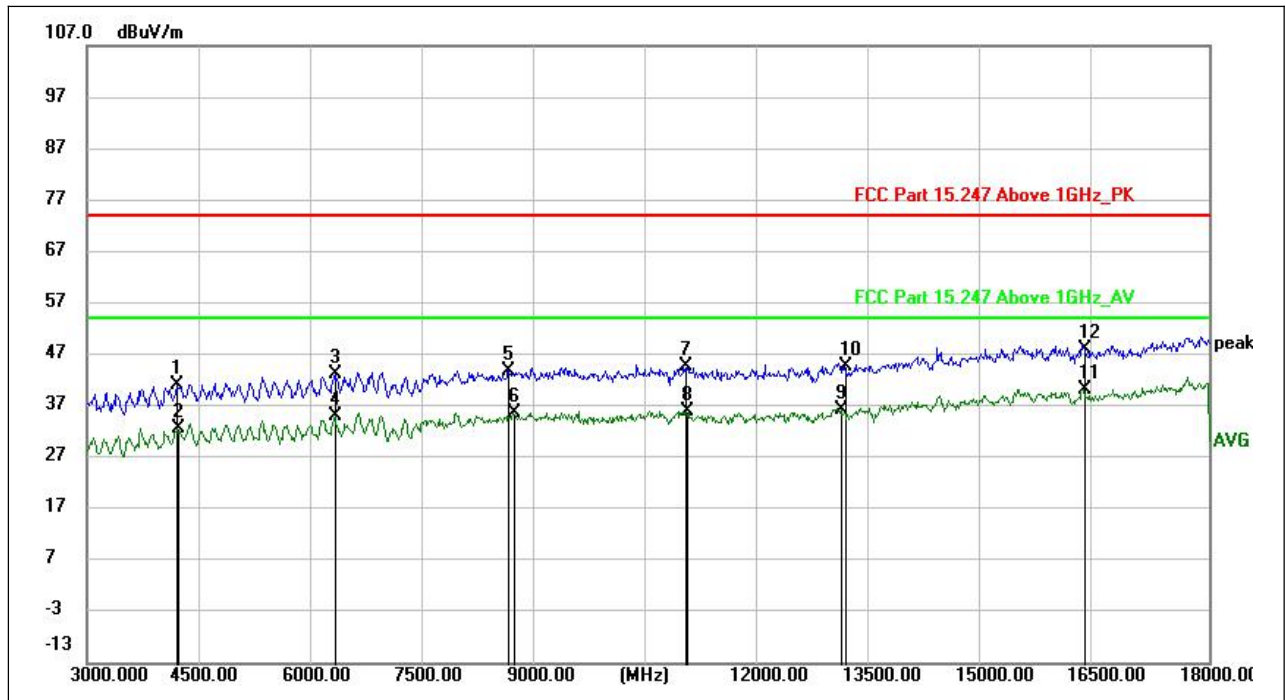
(GFSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
43.2017	14.77	40.00	25.23	H	15.25	PASS
73.4237	16.06	40.00	23.94	H	10.19	PASS
98.9366	21.22	43.50	22.28	H	14.32	PASS
176.2686	24.77	43.50	18.73	H	11.76	PASS
383.9991	30.91	46.00	15.09	H	18.74	PASS
777.5592	27.14	46.00	18.86	H	26.04	PASS



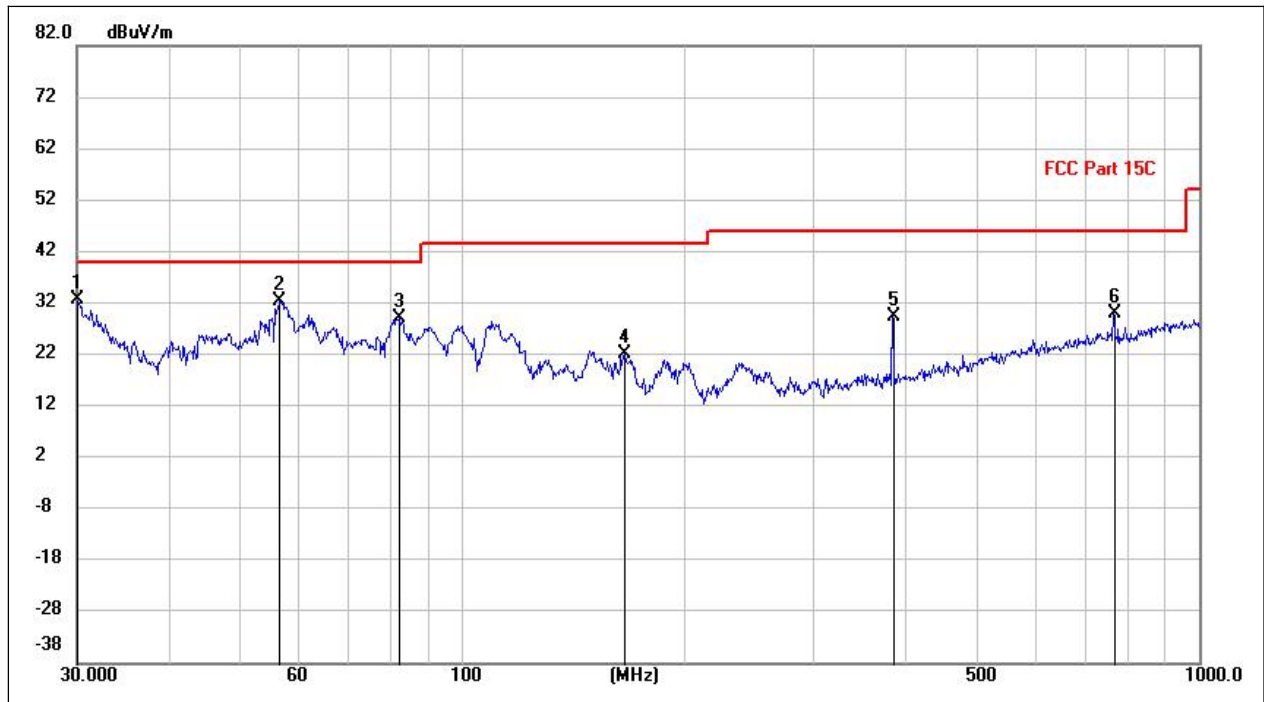
(GFSK_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1107.573	42.17	---	74.00	31.83	H	29.01	PASS
1114.898	---	30.68	54.00	23.32	H	28.96	PASS
1298.838	---	29.31	54.00	24.69	H	30.70	PASS
1300.265	41.87	---	74.00	32.13	H	30.72	PASS
1621.561	---	32.40	54.00	21.60	H	33.55	PASS
1637.674	45.24	---	74.00	28.76	H	33.45	PASS
1941.696	---	34.97	54.00	19.03	H	35.76	PASS
1948.106	47.55	---	74.00	26.45	H	35.74	PASS
2332.709	51.78	---	74.00	22.22	H	39.75	PASS
2358.477	---	39.47	54.00	14.53	H	40.03	PASS
2750.608	56.38	---	74.00	17.62	H	43.65	PASS
2753.631	---	43.84	54.00	10.16	H	43.75	PASS



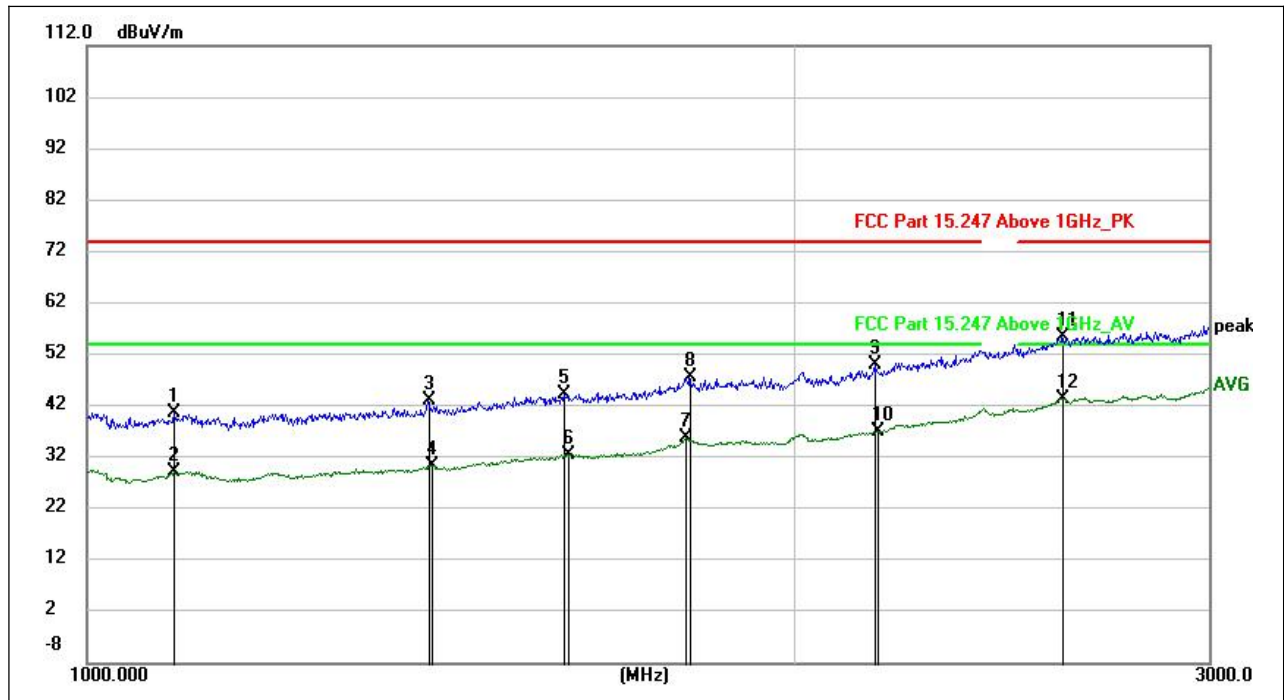
(GFSK_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4212.750	40.99	---	74.00	33.01	H	-4.11	PASS
4229.250	---	32.81	54.00	21.19	H	-3.98	PASS
6326.250	43.34	---	74.00	30.66	H	-1.28	PASS
6326.250	---	35.02	54.00	18.98	H	-1.28	PASS
8638.500	43.91	---	74.00	30.09	H	1.18	PASS
8711.250	---	35.74	54.00	18.26	H	1.37	PASS
10998.000	44.71	---	74.00	29.29	H	3.44	PASS
11022.000	---	35.99	54.00	18.01	H	3.45	PASS
13083.000	---	36.26	54.00	17.74	H	6.25	PASS
13134.000	44.63	---	74.00	29.37	H	5.46	PASS
16324.500	---	40.23	54.00	13.77	H	11.81	PASS
16342.500	48.06	---	74.00	25.94	H	11.61	PASS



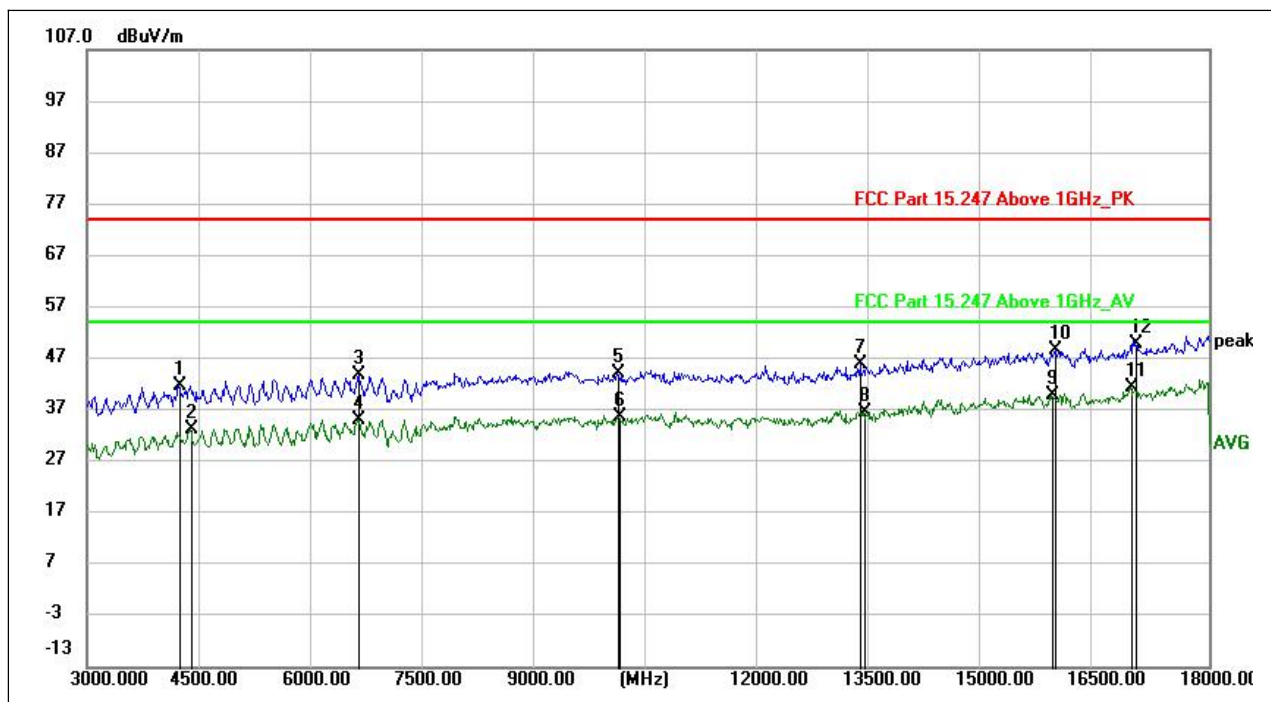
(GFSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	32.78	40.00	7.22	V	13.90	PASS
56.5929	32.26	40.00	7.74	V	14.69	PASS
82.2290	28.96	40.00	11.04	V	9.99	PASS
166.0680	22.18	43.50	21.32	V	11.35	PASS
383.9991	29.27	46.00	16.73	V	18.74	PASS
768.0745	29.88	46.00	16.12	V	26.18	PASS



(GFSK_2480MHz, Antenna Vertical , 1GHz to 3GHz)

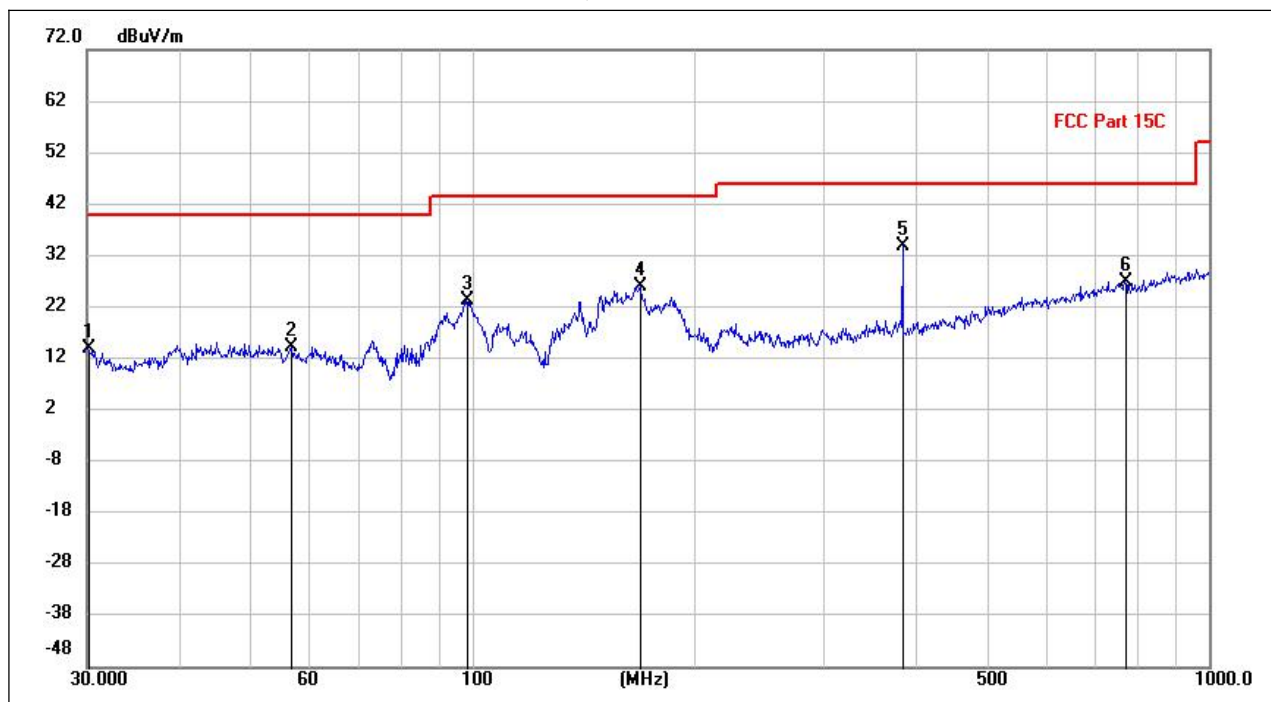
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1089.470	40.73	---	74.00	33.27	V	29.01	PASS
1089.470	---	29.32	54.00	24.68	V	29.01	PASS
1396.513	43.02	---	74.00	30.98	V	31.86	PASS
1402.663	---	30.51	54.00	23.49	V	31.90	PASS
1595.058	44.31	---	74.00	29.69	V	34.01	PASS
1602.083	---	32.69	54.00	21.31	V	34.16	PASS
1797.971	---	35.73	54.00	18.27	V	36.63	PASS
1803.907	47.51	---	74.00	26.49	V	36.52	PASS
2162.415	50.04	---	74.00	23.96	V	37.79	PASS
2169.554	---	37.18	54.00	16.82	V	37.89	PASS
2597.876	55.50	---	74.00	18.50	V	43.56	PASS
2597.876	---	43.47	54.00	10.53	V	43.56	PASS



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

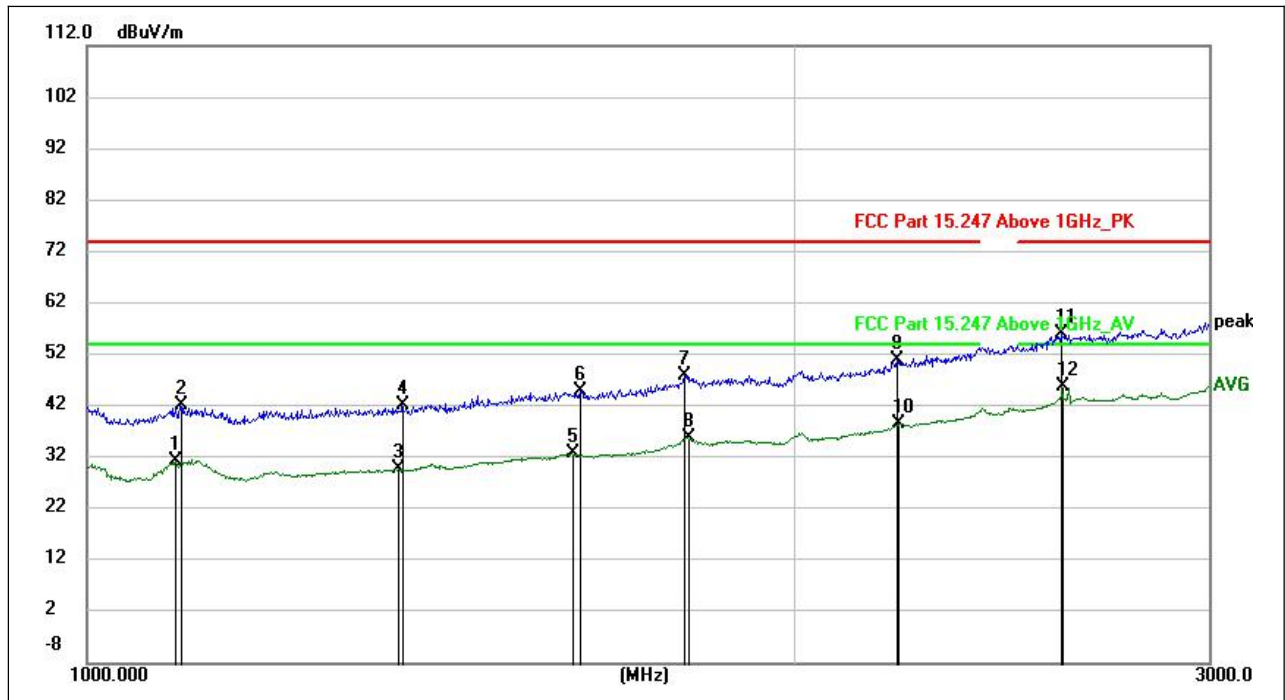
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4233.000	41.70	---	74.00	32.30	V	-3.95	PASS
4390.500	---	33.18	54.00	20.82	V	-3.54	PASS
6639.750	43.81	---	74.00	30.19	V	-0.46	PASS
6639.750	---	35.08	54.00	18.92	V	-0.46	PASS
10106.250	44.28	---	74.00	29.72	V	2.62	PASS
10110.750	---	35.75	54.00	18.25	V	2.57	PASS
13341.750	46.03	---	74.00	27.97	V	6.32	PASS
13389.750	---	36.61	54.00	17.39	V	6.40	PASS
15907.500	---	40.01	54.00	13.99	V	10.90	PASS
15951.000	48.56	---	74.00	25.44	V	11.14	PASS
16958.250	---	41.52	54.00	12.48	V	12.63	PASS
17020.500	49.77	---	74.00	24.23	V	12.93	PASS

$\pi/4$ -DQPSK Test mode



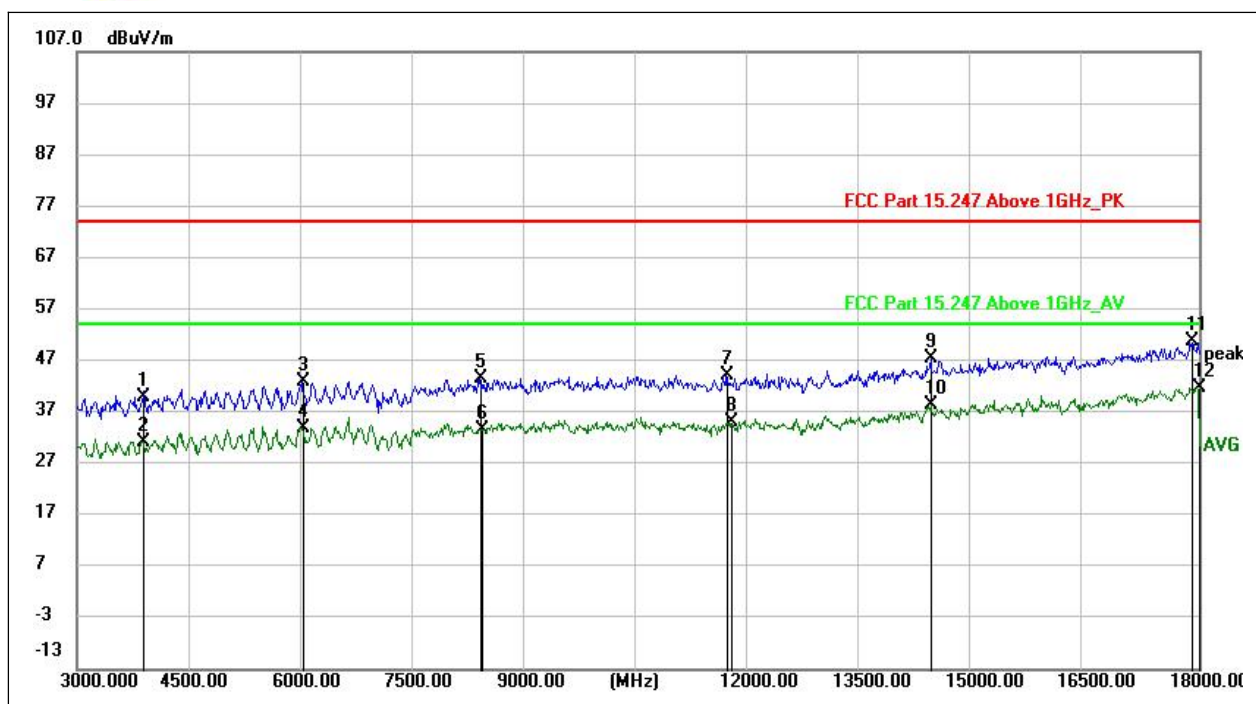
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.1952	13.96	40.00	26.04	H	13.55	PASS
56.9812	14.27	40.00	25.73	H	14.57	PASS
98.4003	23.45	43.50	20.05	H	13.87	PASS
169.3316	26.08	43.50	17.42	H	12.32	PASS
383.9991	33.98	46.00	12.02	H	18.74	PASS
769.6922	26.84	46.00	19.16	H	26.15	PASS



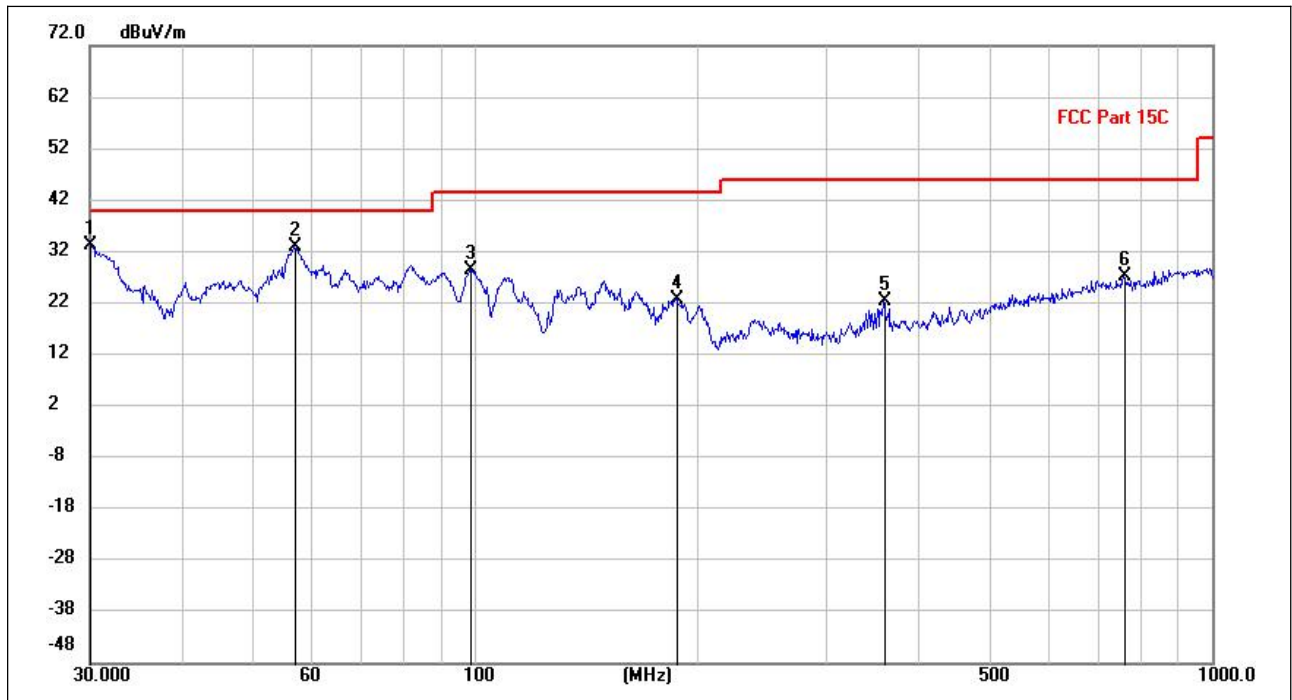
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1090.668	---	31.25	54.00	22.75	H	29.04	PASS
1095.472	42.25	---	74.00	31.75	H	29.07	PASS
1357.187	---	29.95	54.00	24.05	H	31.07	PASS
1361.668	42.11	---	74.00	31.89	H	31.05	PASS
1607.372	---	32.92	54.00	21.08	H	33.98	PASS
1621.561	45.05	---	74.00	28.95	H	33.55	PASS
1795.997	48.03	---	74.00	25.97	H	36.48	PASS
1799.948	---	35.93	54.00	18.07	H	36.78	PASS
2210.454	50.87	---	74.00	23.13	H	39.05	PASS
2215.316	---	38.55	54.00	15.45	H	39.16	PASS
2595.023	56.01	---	74.00	17.99	H	43.36	PASS
2597.876	---	45.72	54.00	8.28	H	43.56	PASS



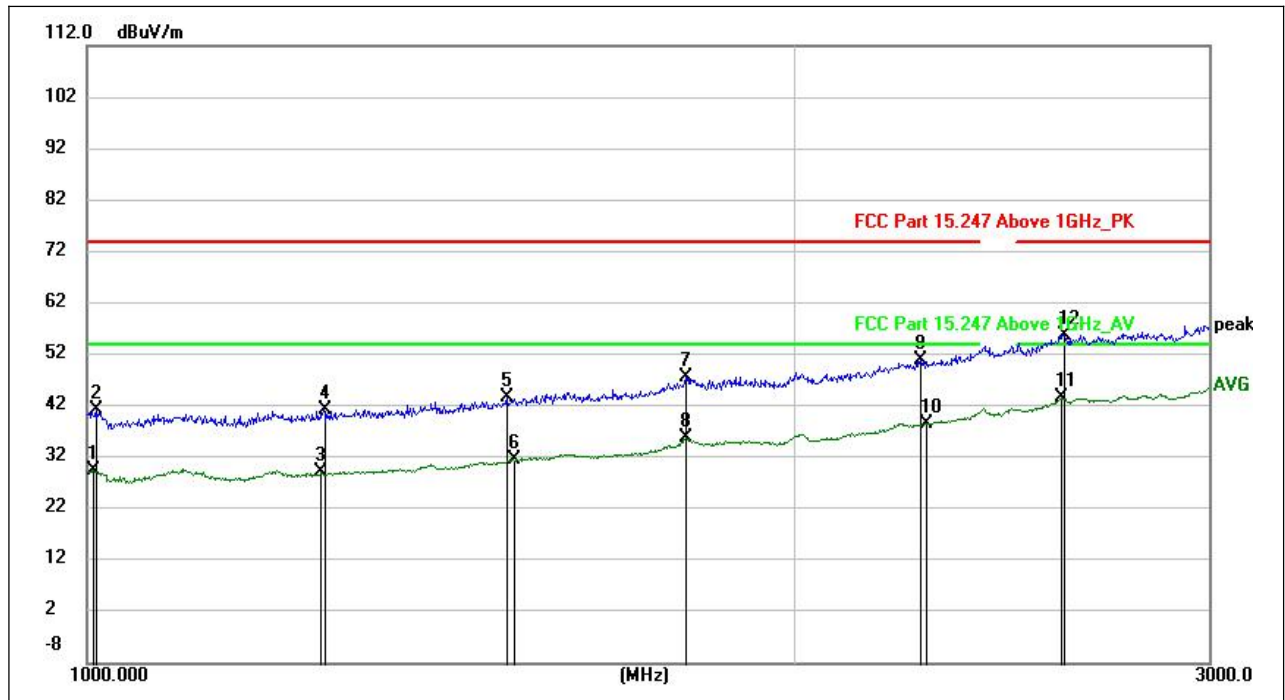
($\pi/4$ -DQPSK_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3897.750	39.84	---	74.00	34.16	H	-4.73	PASS
3897.750	---	31.29	54.00	22.71	H	-4.73	PASS
6017.250	43.03	---	74.00	30.97	H	-2.58	PASS
6024.750	---	33.90	54.00	20.10	H	-2.43	PASS
8388.750	43.67	---	74.00	30.33	H	0.79	PASS
8417.250	---	33.67	54.00	20.33	H	0.91	PASS
11695.500	44.04	---	74.00	29.96	H	4.03	PASS
11754.750	---	34.94	54.00	19.06	H	3.90	PASS
14419.500	47.39	---	74.00	26.61	H	9.27	PASS
14419.500	---	38.37	54.00	15.63	H	9.27	PASS
17898.750	50.76	---	74.00	23.24	H	14.53	PASS
17988.750	---	41.76	54.00	12.24	H	15.03	PASS



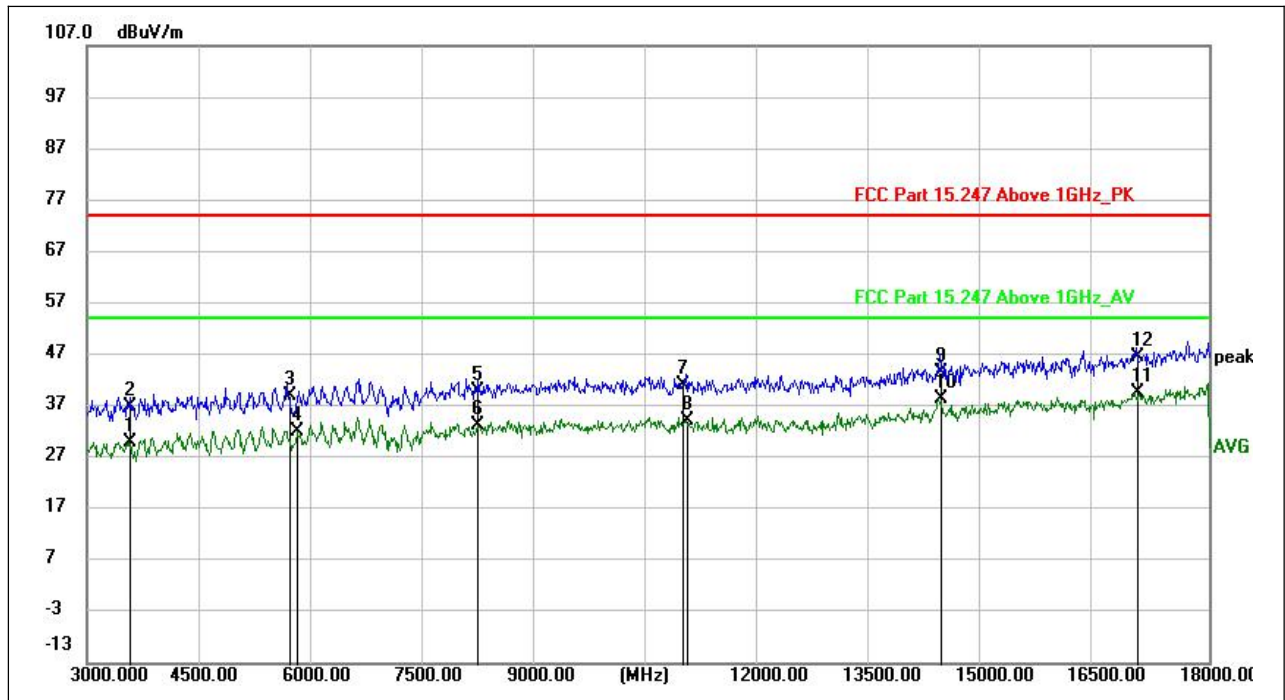
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	33.28	40.00	6.72	V	13.90	PASS
56.9014	32.83	40.00	7.17	V	14.59	PASS
98.5039	28.45	43.50	15.05	V	13.96	PASS
187.6214	22.84	43.50	20.66	V	12.89	PASS
358.1798	22.38	46.00	23.62	V	18.44	PASS
760.1703	27.29	46.00	18.71	V	26.26	PASS



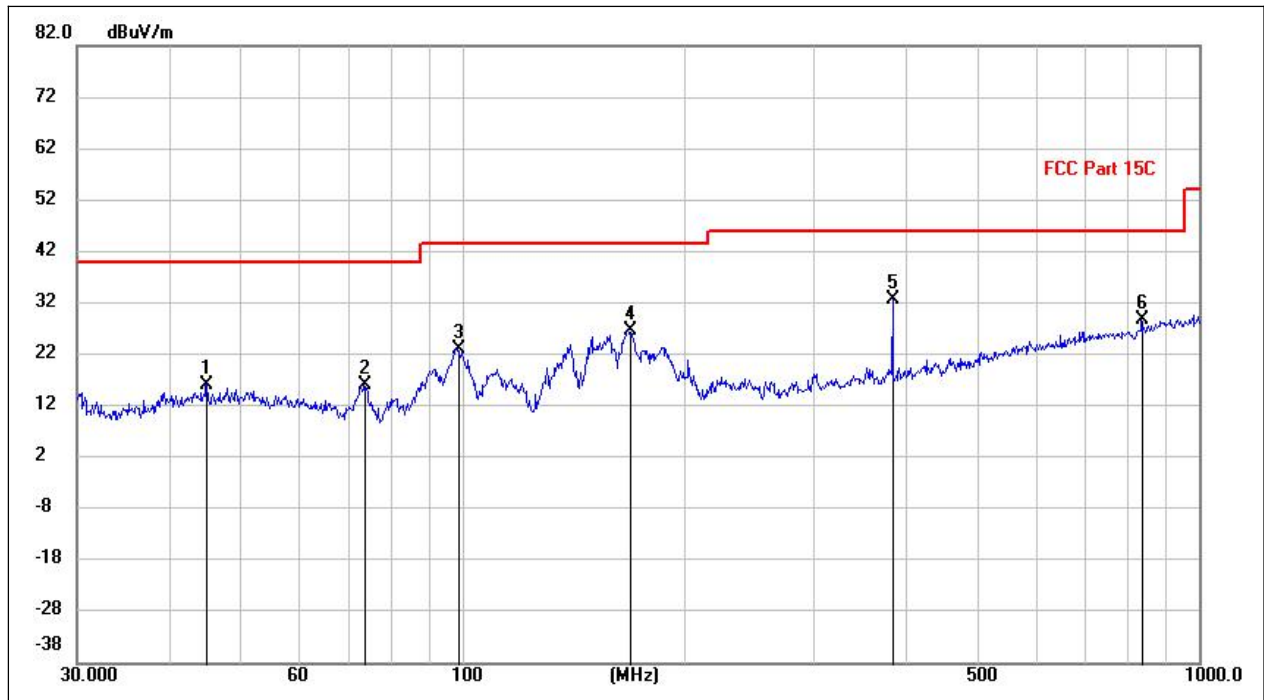
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1006.613	---	29.41	54.00	24.59	V	28.46	PASS
1008.828	41.44	---	74.00	32.56	V	28.39	PASS
1258.109	---	29.17	54.00	24.83	V	30.34	PASS
1260.877	41.43	---	74.00	32.57	V	30.37	PASS
1508.146	43.64	---	74.00	30.36	V	32.68	PASS
1518.120	---	31.70	54.00	22.30	V	32.90	PASS
1797.971	47.65	---	74.00	26.35	V	36.63	PASS
1797.971	---	35.76	54.00	18.24	V	36.63	PASS
2262.044	50.90	---	74.00	23.10	V	39.16	PASS
2274.504	---	38.64	54.00	15.36	V	39.27	PASS
2595.023	---	43.56	54.00	10.44	V	43.36	PASS
2603.590	55.79	---	74.00	18.21	V	43.50	PASS



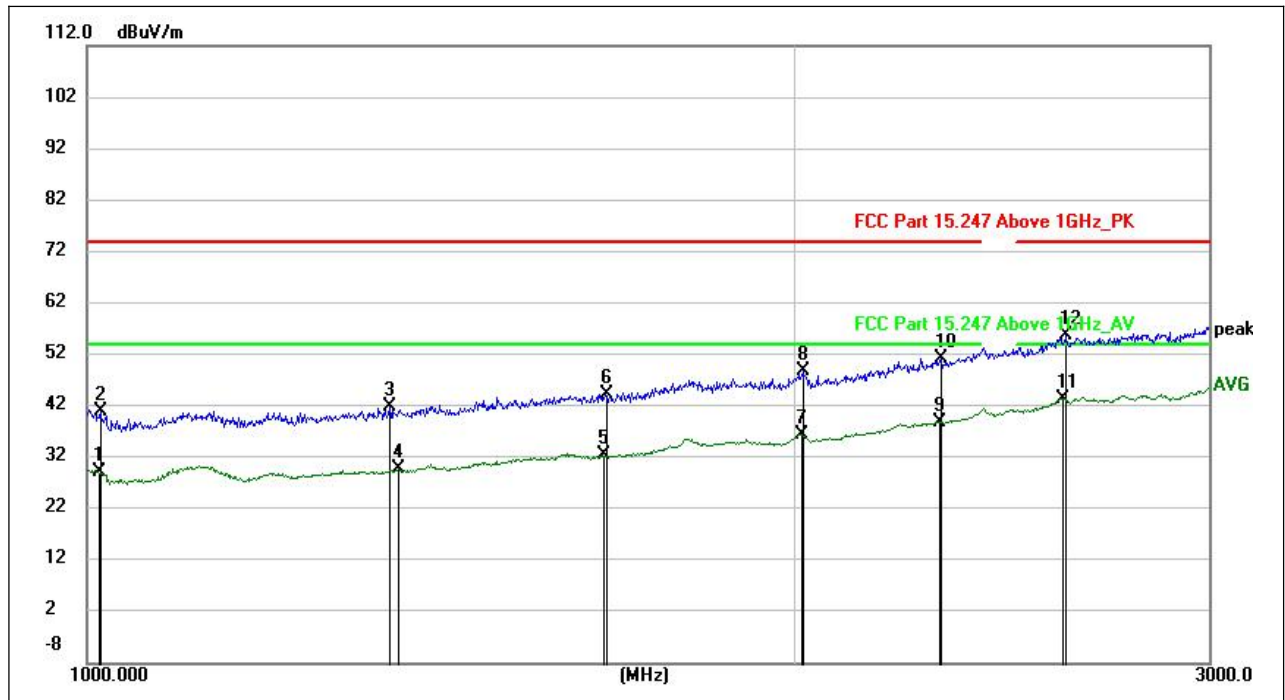
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3570.750	---	30.00	54.00	24.00	V	-5.65	PASS
3584.250	36.87	---	74.00	37.13	V	-5.70	PASS
5706.750	38.90	---	74.00	35.10	V	-2.50	PASS
5813.250	---	32.17	54.00	21.83	V	-2.85	PASS
8219.250	39.96	---	74.00	34.04	V	1.05	PASS
8228.250	---	33.23	54.00	20.77	V	1.15	PASS
10977.000	41.02	---	74.00	32.98	V	3.15	PASS
11022.000	---	34.04	54.00	19.96	V	3.27	PASS
14403.000	43.49	---	74.00	30.51	V	9.42	PASS
14403.000	---	38.32	54.00	15.68	V	9.42	PASS
17030.250	---	39.55	54.00	14.45	V	12.93	PASS
17046.000	46.58	---	74.00	27.42	V	12.88	PASS



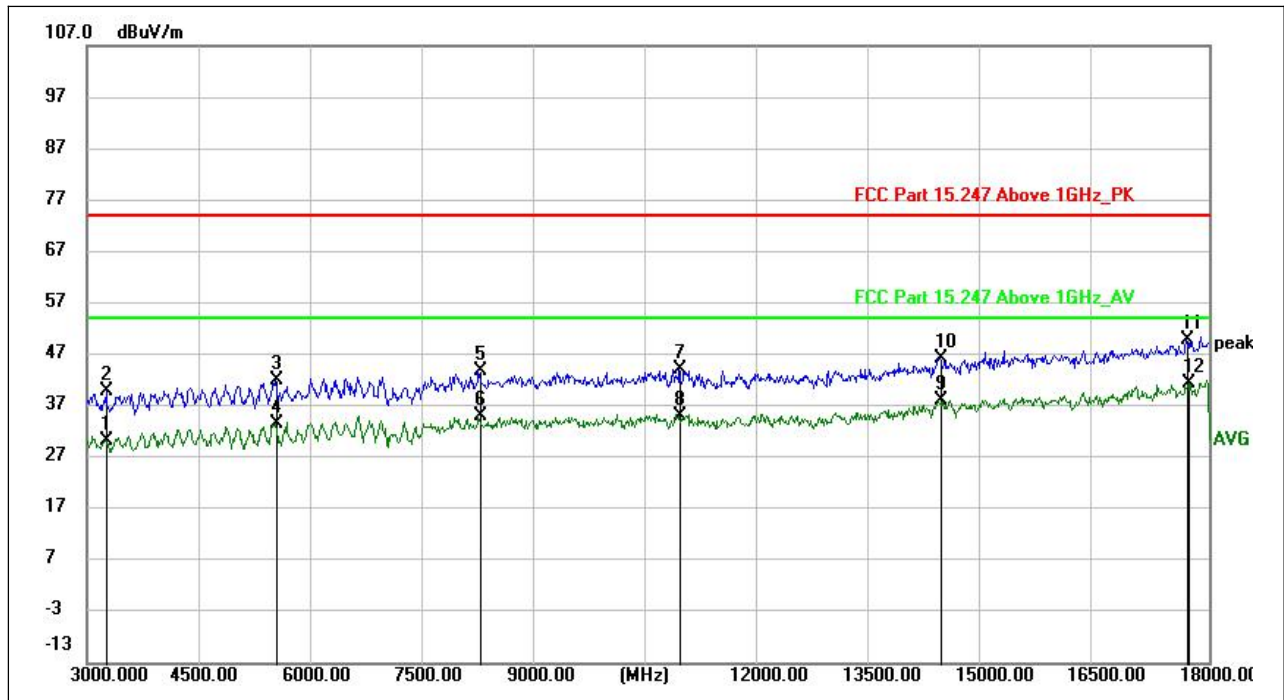
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
45.0110	16.06	40.00	23.94	H	15.44	PASS
73.7850	16.25	40.00	23.75	H	10.08	PASS
98.5557	23.18	43.50	20.32	H	14.00	PASS
168.4138	26.63	43.50	16.87	H	12.07	PASS
383.9991	32.81	46.00	13.19	H	18.74	PASS
838.2995	28.68	46.00	17.32	H	26.75	PASS



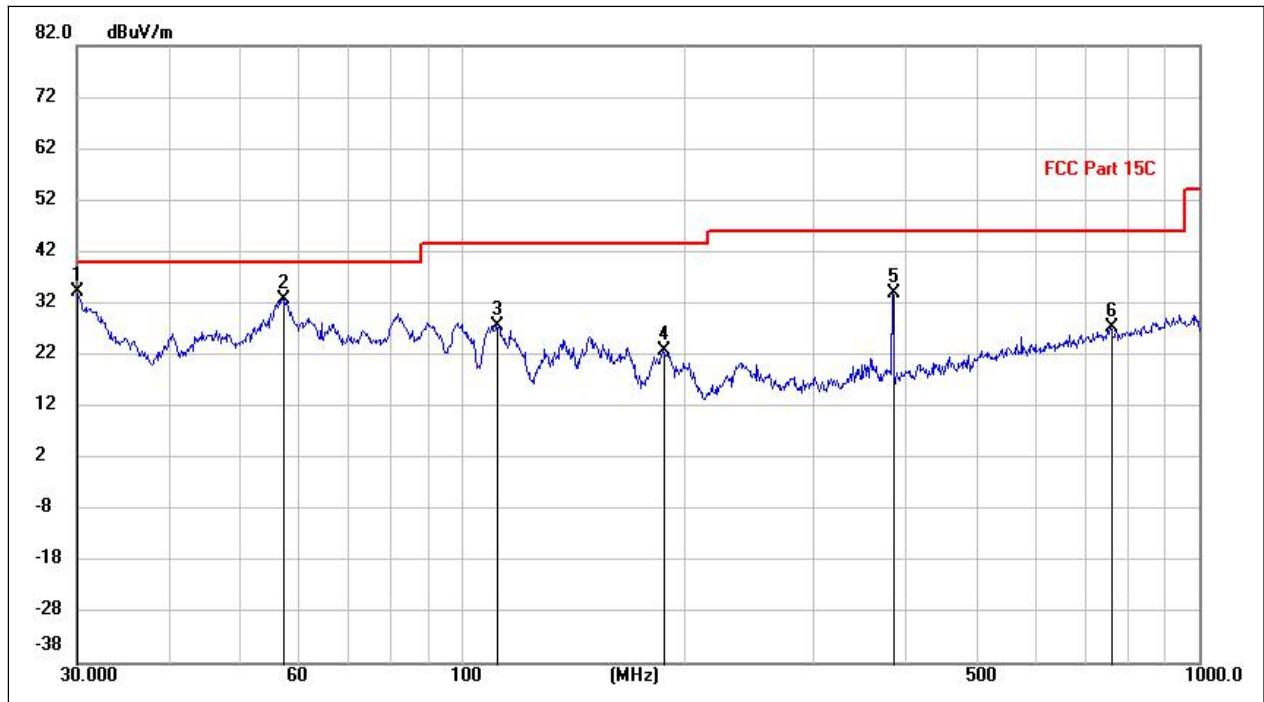
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1011.047	---	29.24	54.00	24.76	H	28.27	PASS
1013.271	40.85	---	74.00	33.15	H	28.14	PASS
1345.311	41.79	---	74.00	32.21	H	31.00	PASS
1357.187	---	29.70	54.00	24.30	H	31.07	PASS
1657.585	---	32.41	54.00	21.59	H	33.70	PASS
1661.231	44.45	---	74.00	29.55	H	33.71	PASS
2011.172	---	36.48	54.00	17.52	H	36.99	PASS
2015.595	48.78	---	74.00	25.22	H	36.75	PASS
2304.688	---	39.00	54.00	15.00	H	39.70	PASS
2307.221	51.20	---	74.00	22.80	H	39.69	PASS
2597.876	---	43.55	54.00	10.45	H	43.56	PASS
2609.317	55.68	---	74.00	18.32	H	43.18	PASS



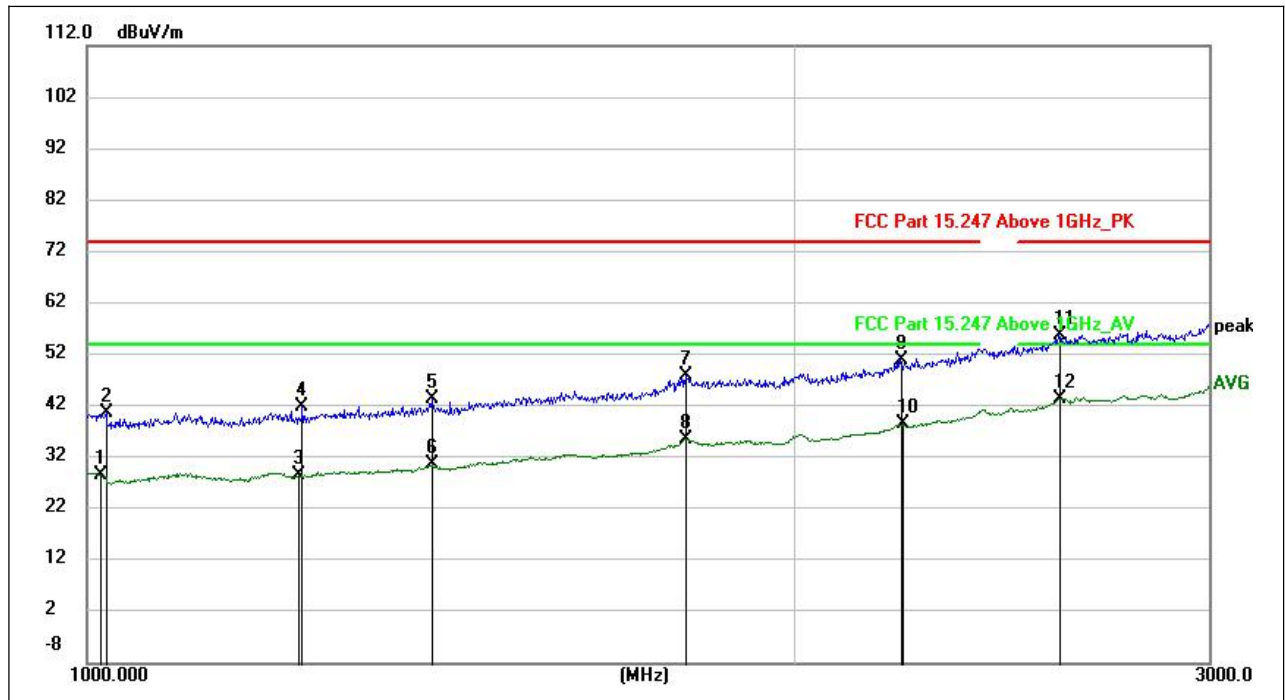
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3256.500	---	30.17	54.00	23.83	H	-5.95	PASS
3267.000	40.01	---	74.00	33.99	H	-5.75	PASS
5533.500	41.91	---	74.00	32.09	H	-2.66	PASS
5533.500	---	33.56	54.00	20.44	H	-2.66	PASS
8253.750	43.76	---	74.00	30.24	H	1.40	PASS
8253.750	---	34.97	54.00	19.03	H	1.40	PASS
10925.250	44.18	---	74.00	29.82	H	3.35	PASS
10925.250	---	35.09	54.00	18.91	H	3.35	PASS
14403.750	---	38.20	54.00	15.80	H	9.38	PASS
14416.500	46.14	---	74.00	27.86	H	9.29	PASS
17714.250	49.78	---	74.00	24.22	H	14.59	PASS
17742.000	---	41.50	54.00	12.50	H	15.18	PASS



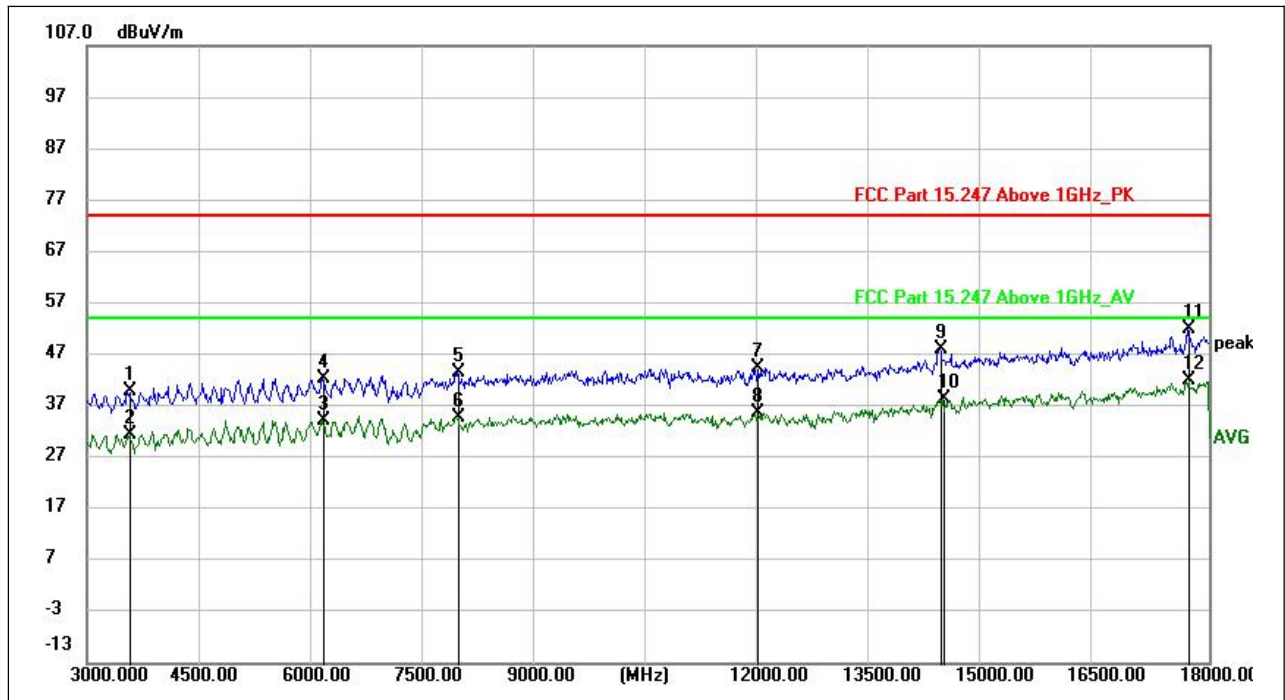
($\pi/4$ -DQPSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	34.20	40.00	5.80	V	13.90	PASS
57.0712	32.71	40.00	7.29	V	14.54	PASS
111.6792	27.64	43.50	15.86	V	14.25	PASS
187.2599	22.81	43.50	20.69	V	12.80	PASS
383.9991	33.84	46.00	12.16	V	18.74	PASS
758.4396	27.24	46.00	18.76	V	26.18	PASS



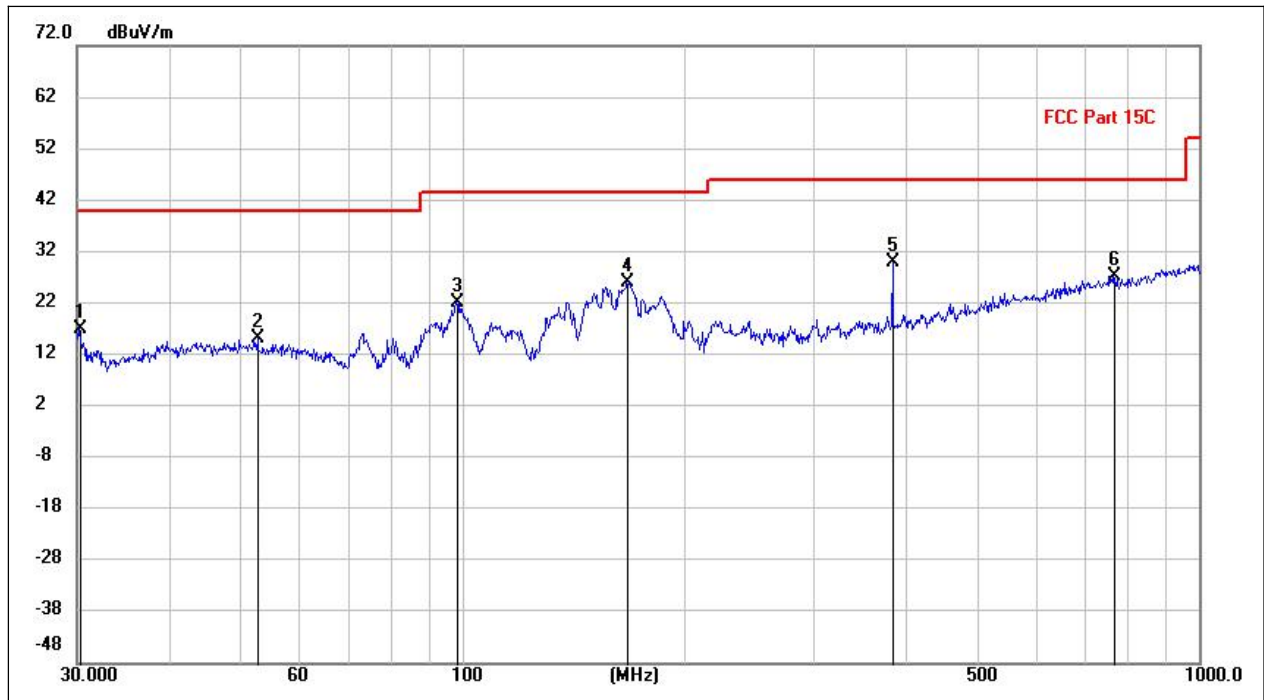
($\pi/4$ -DQPSK _2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1013.271	---	28.63	54.00	25.37	V	28.14	PASS
1018.852	40.68	---	74.00	33.32	V	27.83	PASS
1230.767	---	28.78	54.00	25.22	V	29.91	PASS
1234.830	41.84	---	74.00	32.16	V	29.95	PASS
1402.663	43.34	---	74.00	30.66	V	31.90	PASS
1402.663	---	30.63	54.00	23.37	V	31.90	PASS
1797.971	47.96	---	74.00	26.04	V	36.63	PASS
1797.971	---	35.64	54.00	18.36	V	36.63	PASS
2217.752	50.97	---	74.00	23.03	V	39.14	PASS
2222.630	---	38.51	54.00	15.49	V	39.07	PASS
2589.328	55.68	---	74.00	18.32	V	43.01	PASS
2589.328	---	43.51	54.00	10.49	V	43.01	PASS



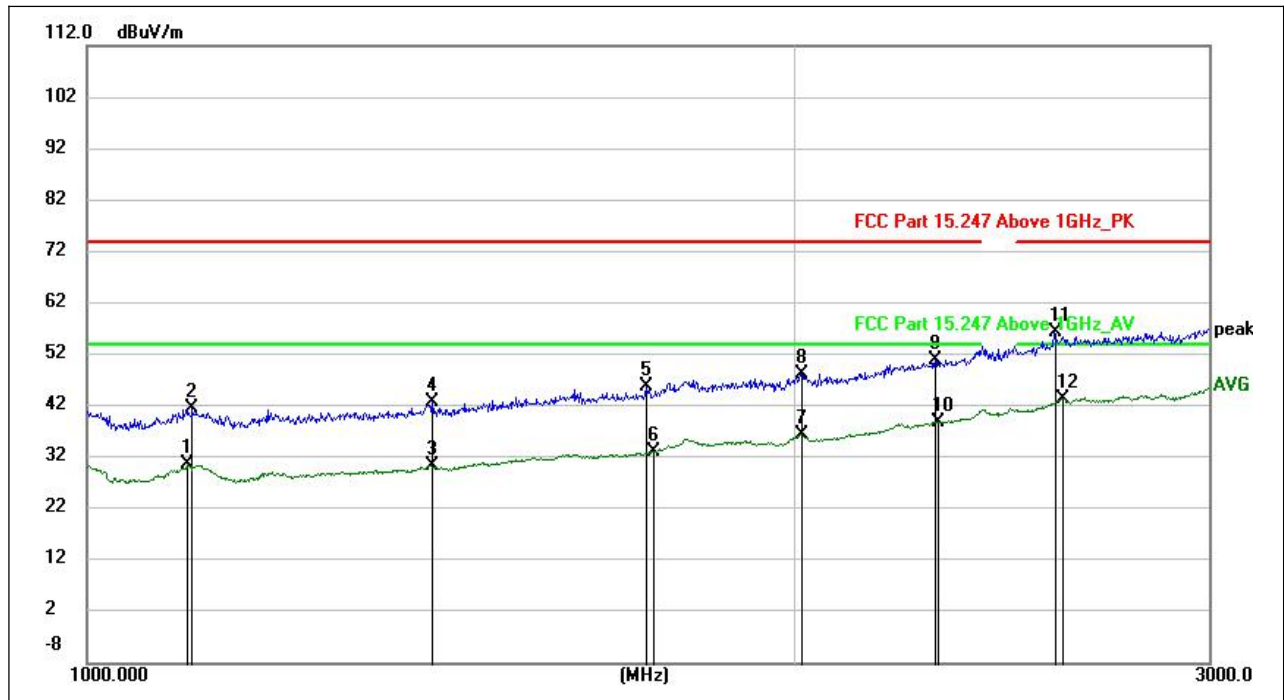
($\pi/4$ -DQPSK _2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3564.000	39.96	---	74.00	34.04	V	-5.72	PASS
3583.500	---	31.33	54.00	22.67	V	-5.69	PASS
6151.500	---	34.13	54.00	19.87	V	-1.51	PASS
6159.750	42.45	---	74.00	31.55	V	-1.47	PASS
7951.500	43.62	---	74.00	30.38	V	1.47	PASS
7970.250	---	34.71	54.00	19.29	V	1.22	PASS
11955.750	44.56	---	74.00	29.44	V	4.32	PASS
11955.750	---	35.55	54.00	18.45	V	4.32	PASS
14407.500	48.17	---	74.00	25.83	V	9.45	PASS
14460.000	---	38.37	54.00	15.63	V	9.06	PASS
17729.250	52.00	---	74.00	22.00	V	14.91	PASS
17737.500	---	41.90	54.00	12.10	V	15.08	PASS



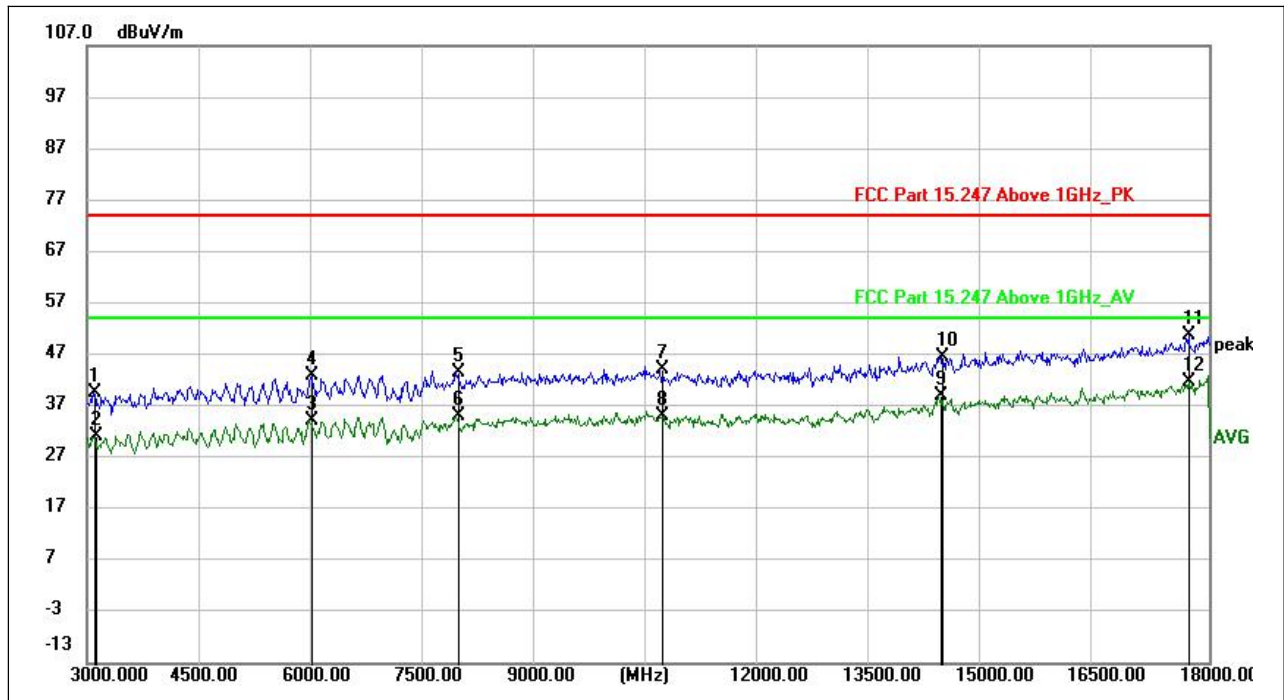
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.2695	16.86	40.00	23.14	H	13.42	PASS
52.8711	15.15	40.00	24.85	H	15.36	PASS
98.4521	22.11	43.50	21.39	H	13.92	PASS
167.6478	26.13	43.50	17.37	H	11.83	PASS
383.9991	29.93	46.00	16.07	H	18.74	PASS
768.0745	27.35	46.00	18.65	H	26.18	PASS



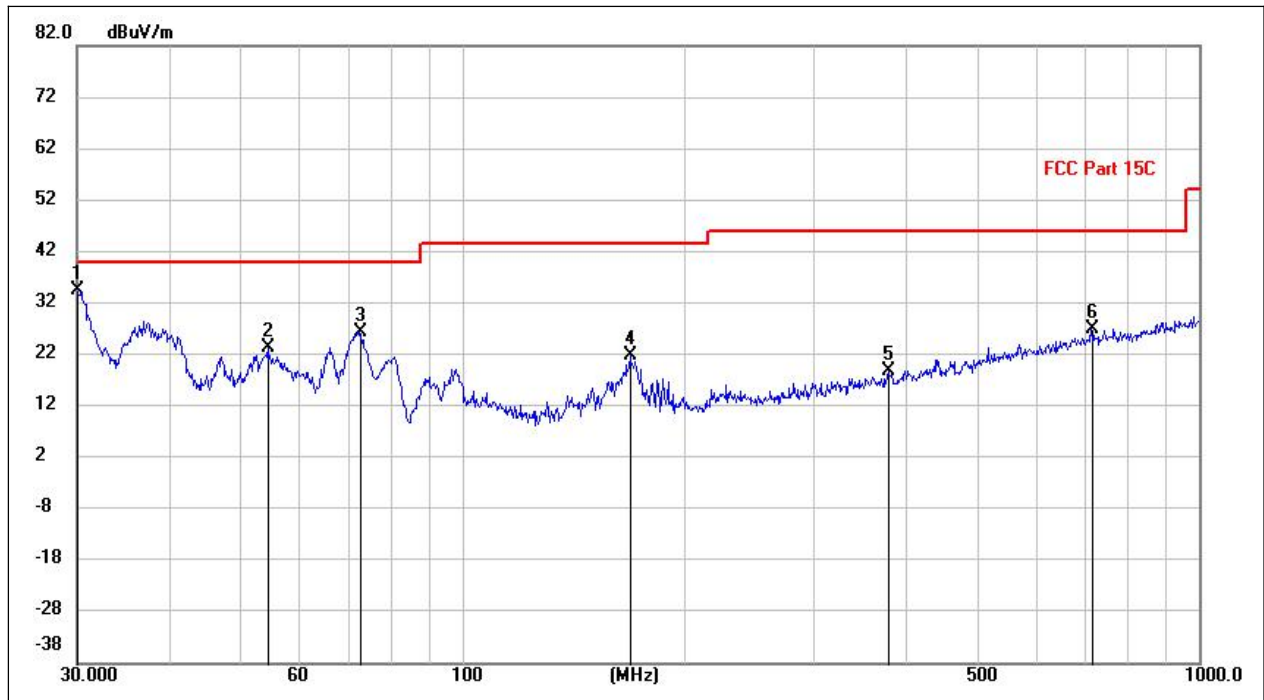
($\pi/4$ -DQPSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1102.716	---	30.63	54.00	23.37	H	29.05	PASS
1108.790	41.53	---	74.00	32.47	H	29.00	PASS
1401.123	---	30.51	54.00	23.49	H	31.96	PASS
1402.663	42.68	---	74.00	31.32	H	31.90	PASS
1730.149	45.71	---	74.00	28.29	H	34.26	PASS
1741.591	---	33.21	54.00	20.79	H	34.49	PASS
2011.172	---	36.43	54.00	17.57	H	36.99	PASS
2013.382	48.32	---	74.00	25.68	H	36.87	PASS
2294.582	51.01	---	74.00	22.99	H	39.66	PASS
2299.630	---	39.02	54.00	14.98	H	39.77	PASS
2577.974	56.25	---	74.00	17.75	H	42.40	PASS
2597.876	---	43.47	54.00	10.53	H	43.56	PASS



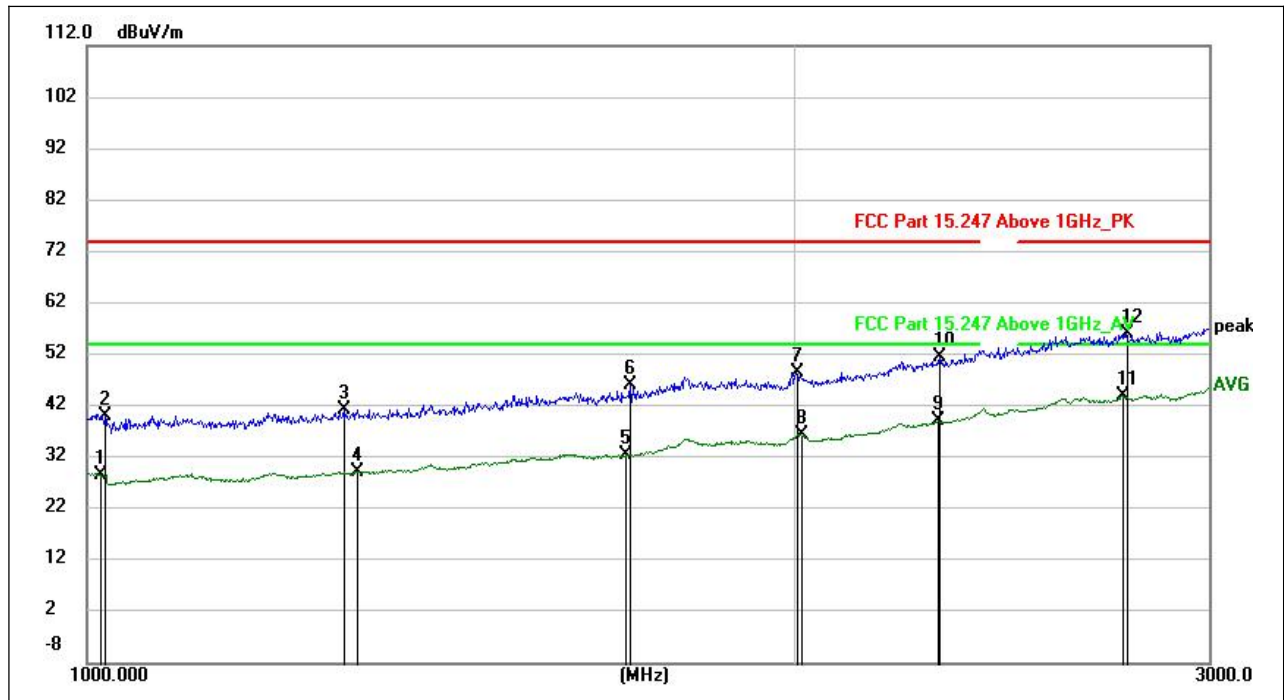
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3102.750	39.72	---	74.00	34.28	H	-5.79	PASS
3110.250	---	31.04	54.00	22.96	H	-5.69	PASS
5992.500	---	34.17	54.00	19.83	H	-2.77	PASS
6006.750	42.82	---	74.00	31.18	H	-2.78	PASS
7957.500	43.65	---	74.00	30.35	H	1.32	PASS
7957.500	---	35.07	54.00	18.93	H	1.32	PASS
10692.750	44.15	---	74.00	29.85	H	2.62	PASS
10692.750	---	35.22	54.00	18.78	H	2.62	PASS
14401.500	---	39.08	54.00	14.92	H	9.40	PASS
14432.250	46.55	---	74.00	27.45	H	9.06	PASS
17735.250	50.73	---	74.00	23.27	H	15.03	PASS
17735.250	---	41.74	54.00	12.26	H	15.03	PASS



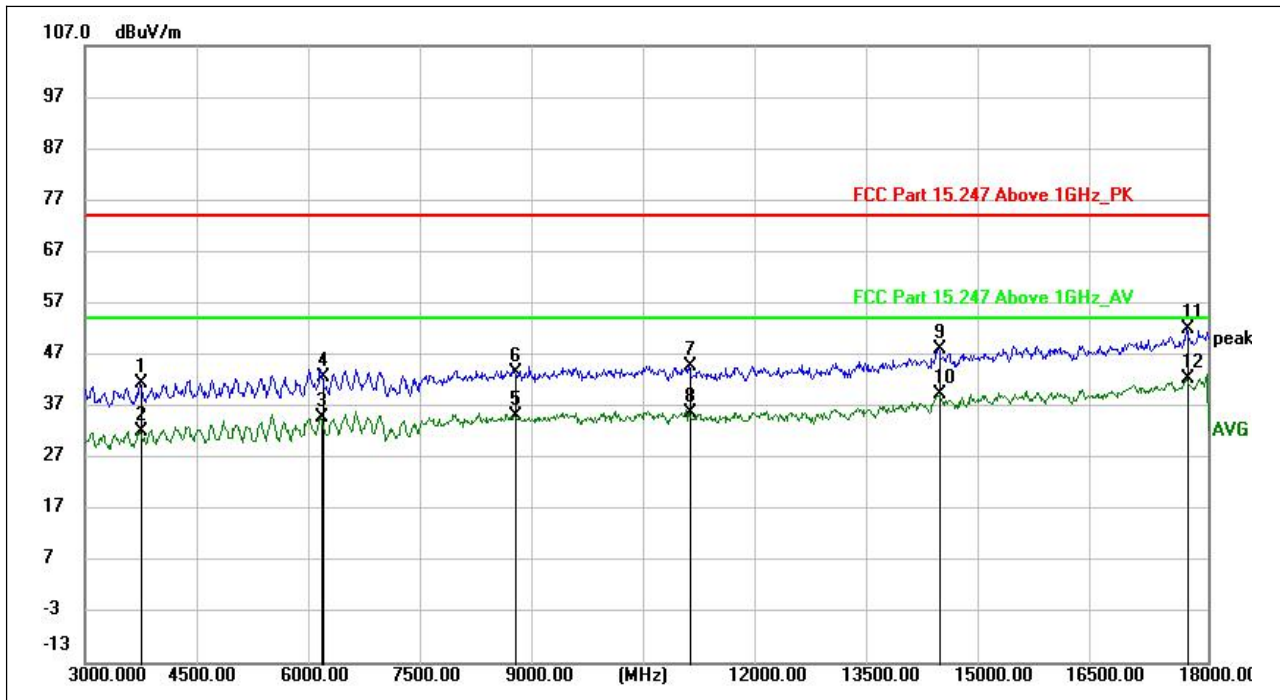
($\pi/4$ -DQPSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	34.50	40.00	5.50	V	13.90	PASS
54.4516	23.37	40.00	16.63	V	15.25	PASS
72.5917	26.46	40.00	13.54	V	10.42	PASS
169.0054	21.74	43.50	21.76	V	12.23	PASS
378.5843	18.81	46.00	27.19	V	18.97	PASS
714.1734	27.01	46.00	18.99	V	25.00	PASS



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

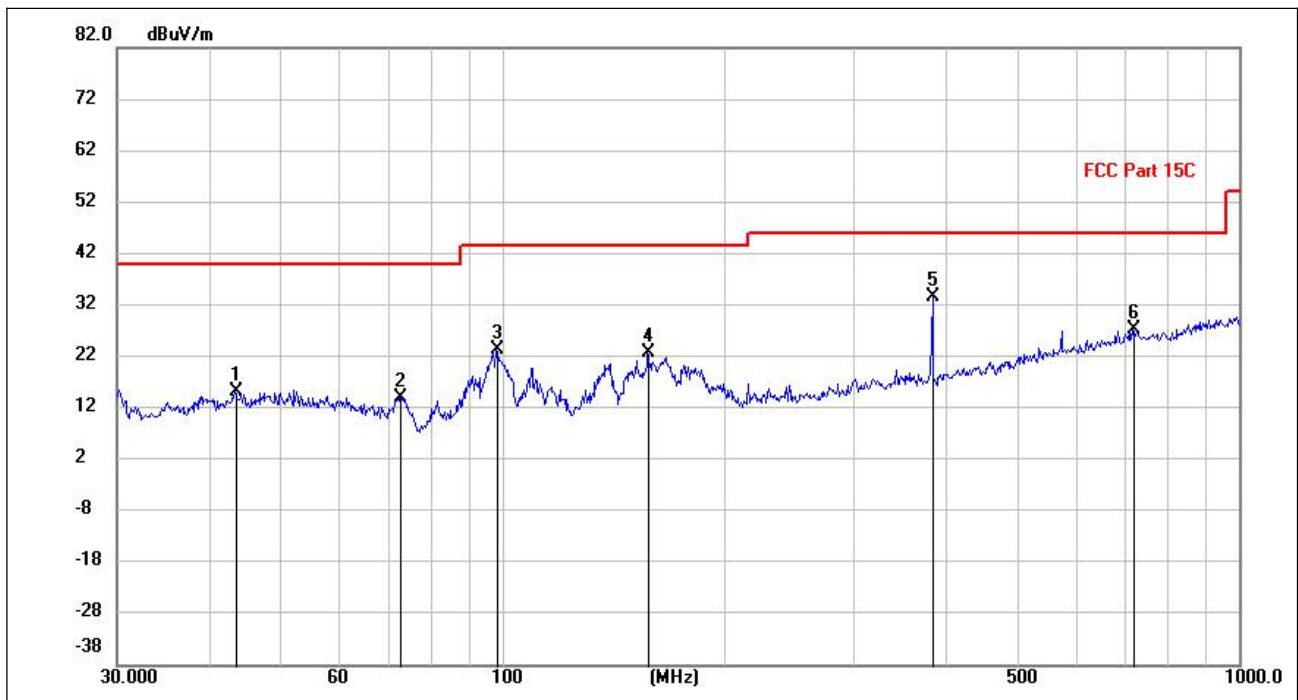
Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1014.384	---	28.65	54.00	25.35	V	28.08
1017.733	40.21	---	74.00	33.79	V	27.89
1286.059	41.19	---	74.00	32.81	V	30.66
1301.695	---	29.36	54.00	24.64	V	30.73
1694.409	---	32.64	54.00	21.36	V	33.84
1701.871	46.12	---	74.00	27.88	V	33.88
2002.353	48.40	---	74.00	25.60	V	37.26
2011.172	---	36.56	54.00	17.44	V	36.99
2302.157	---	39.06	54.00	14.94	V	39.73
2304.688	51.50	---	74.00	22.50	V	39.70
2759.688	---	43.94	54.00	10.06	V	43.66
2765.759	56.13	---	74.00	17.87	V	43.45



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

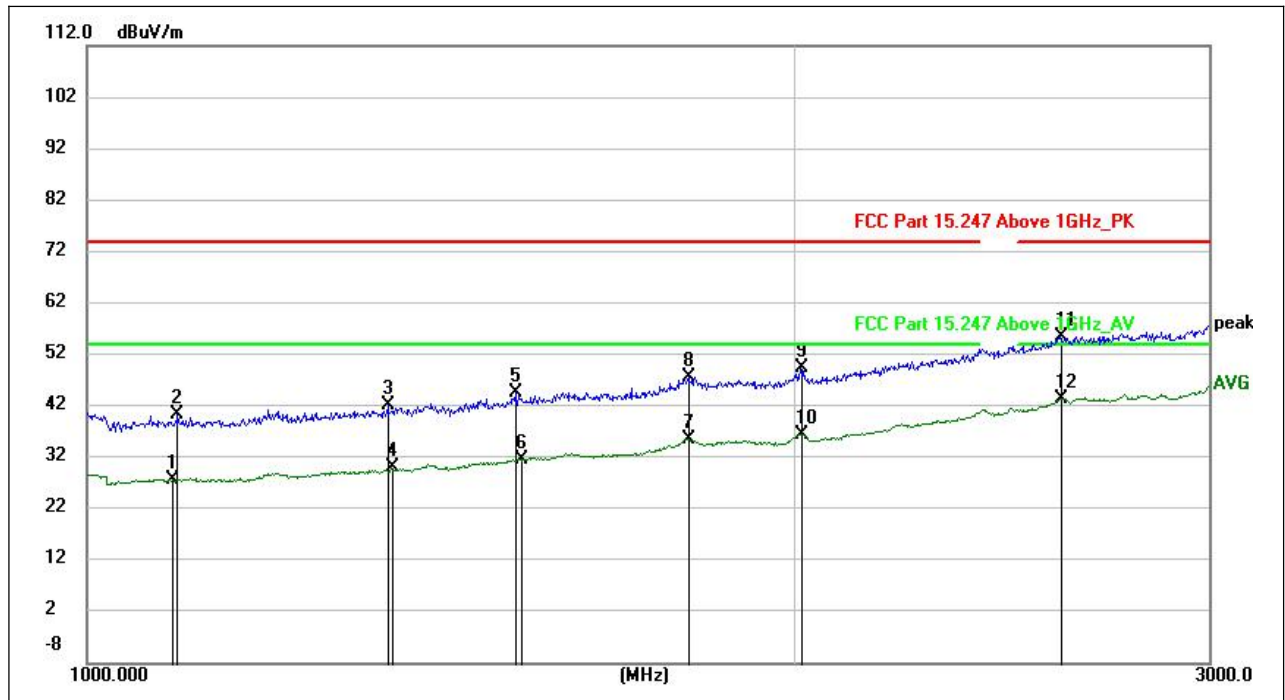
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3750.000	41.56	---	74.00	32.44	V	-5.07	PASS
3750.000	---	31.97	54.00	22.03	V	-5.07	PASS
6162.000	---	34.74	54.00	19.26	V	-1.45	PASS
6179.250	42.64	---	74.00	31.36	V	-1.40	PASS
8748.000	---	35.21	54.00	18.79	V	1.44	PASS
8751.000	43.62	---	74.00	30.38	V	1.44	PASS
11073.000	44.68	---	74.00	29.32	V	3.21	PASS
11073.000	---	35.59	54.00	18.41	V	3.21	PASS
14418.000	48.17	---	74.00	25.83	V	9.50	PASS
14420.250	---	39.17	54.00	14.83	V	9.51	PASS
17733.750	52.00	---	74.00	22.00	V	15.00	PASS
17733.750	---	42.24	54.00	11.76	V	15.00	PASS

8-DPSK Test mode



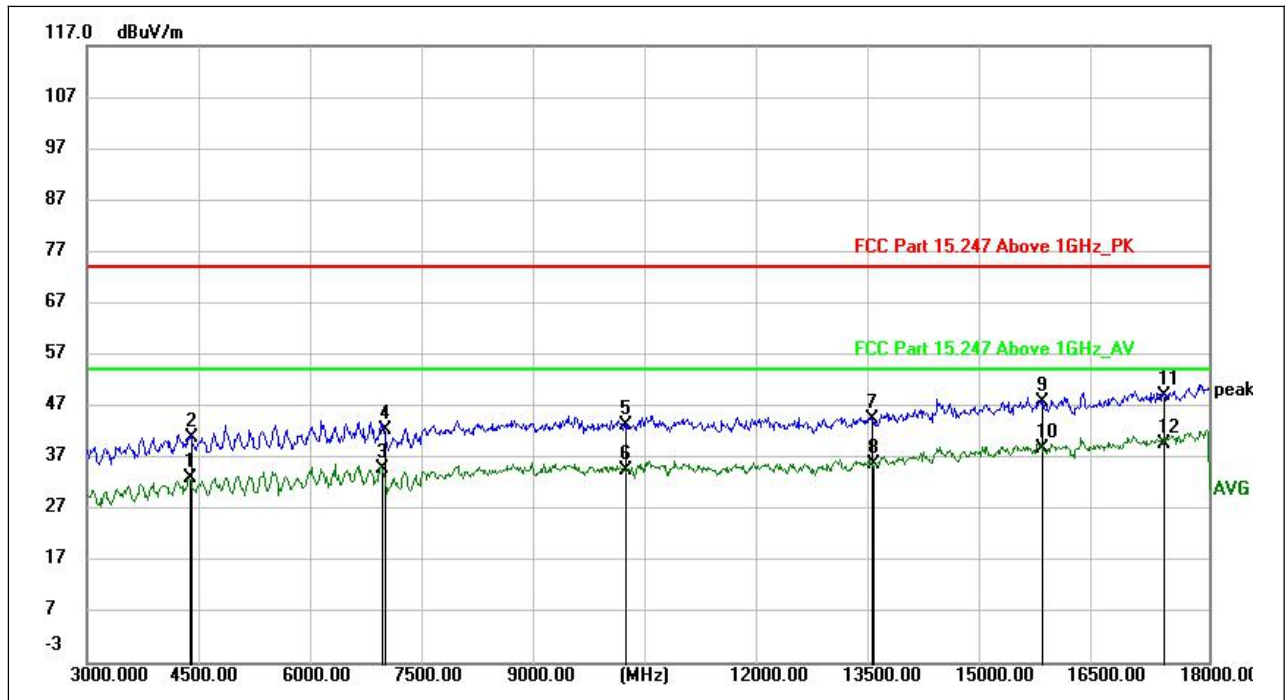
(8-DPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
43.4905	15.10	40.00	24.90	H	15.25	PASS
72.7573	14.11	40.00	25.89	H	10.37	PASS
98.3313	23.45	43.50	20.05	H	13.82	PASS
158.0569	22.73	43.50	20.77	H	11.58	PASS
383.9991	33.53	46.00	12.47	H	18.74	PASS
717.8138	27.25	46.00	18.75	H	25.00	PASS



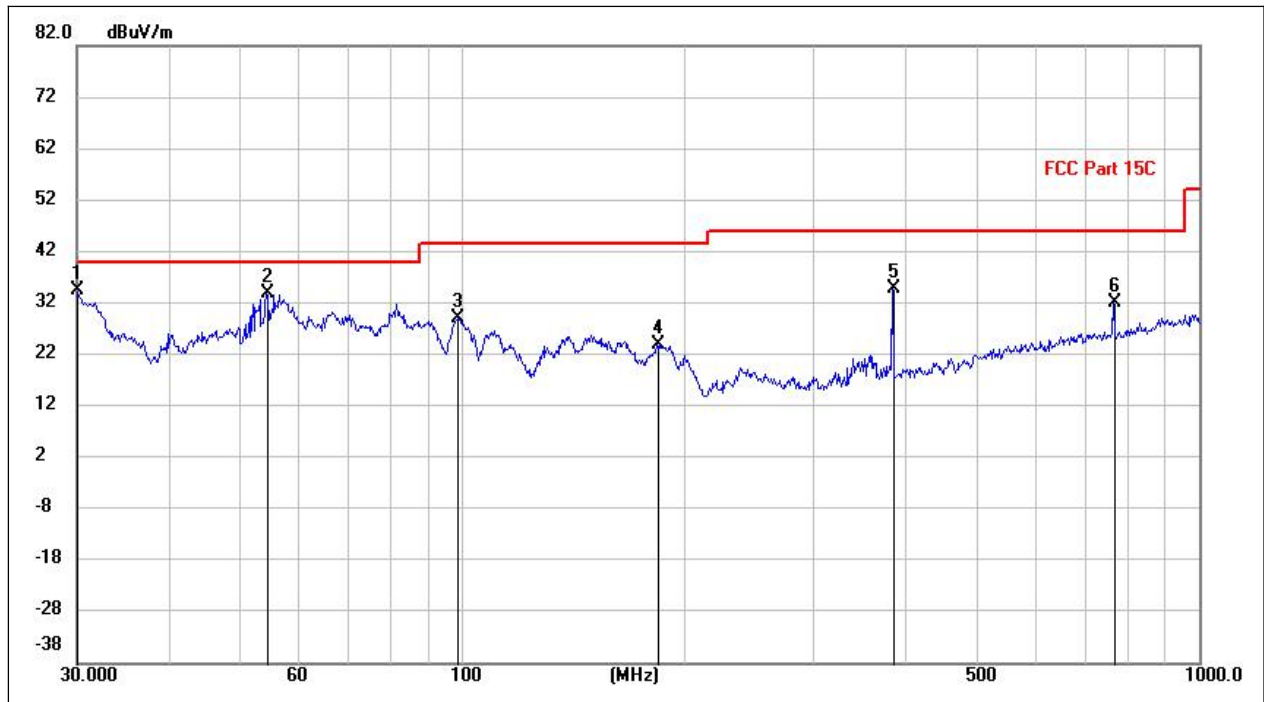
(8-DPSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1087.079	---	27.77	54.00	26.23	H	28.97	PASS
1093.067	40.36	---	74.00	33.64	H	29.07	PASS
1342.358	42.22	---	74.00	31.78	H	30.94	PASS
1346.790	---	30.04	54.00	23.96	H	31.02	PASS
1521.459	44.71	---	74.00	29.29	H	32.92	PASS
1528.160	---	31.71	54.00	22.29	H	32.95	PASS
1799.948	---	35.63	54.00	18.37	H	36.78	PASS
1801.926	47.51	---	74.00	26.49	H	36.65	PASS
2011.172	49.42	---	74.00	24.58	H	36.99	PASS
2011.172	---	36.56	54.00	17.44	H	36.99	PASS
2592.174	55.49	---	74.00	18.51	H	43.19	PASS
2592.174	---	43.44	54.00	10.56	H	43.19	PASS



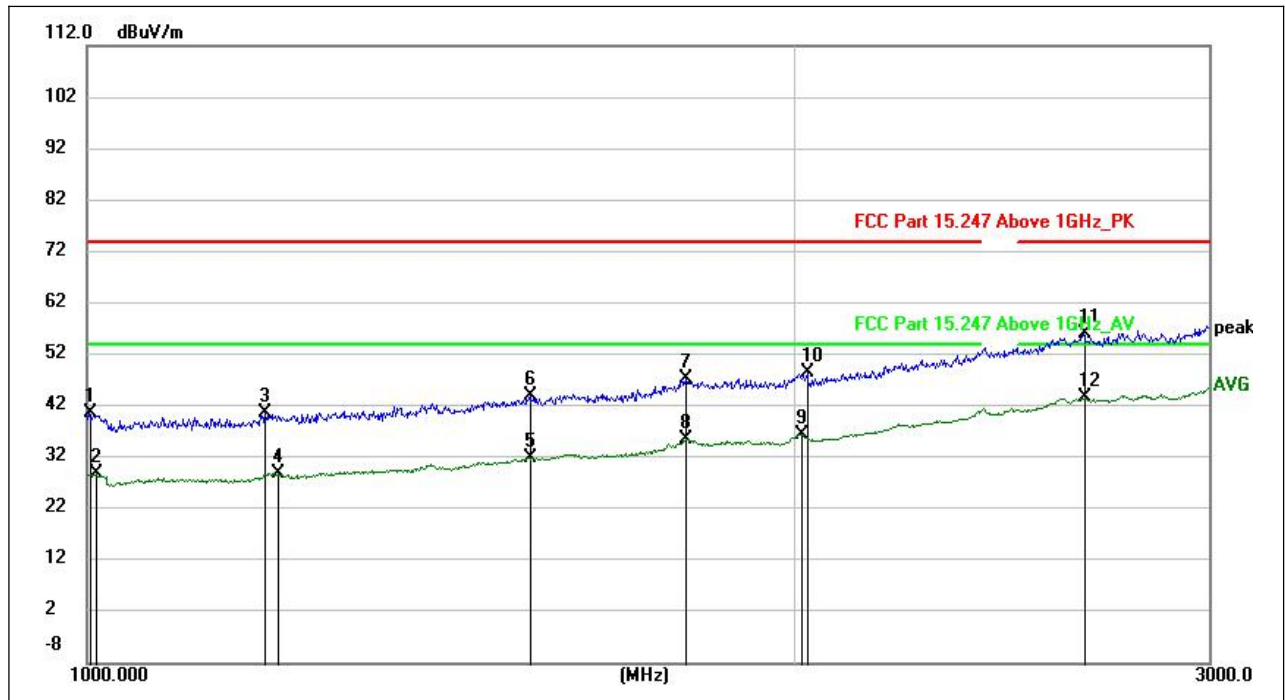
(8-DPSK_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4380.000	---	33.14	54.00	20.86	H	-3.45	PASS
4392.000	40.99	---	74.00	33.01	H	-3.55	PASS
6957.750	---	34.71	54.00	19.29	H	-0.59	PASS
6979.500	42.28	---	74.00	31.72	H	-0.73	PASS
10192.500	43.19	---	74.00	30.81	H	1.95	PASS
10203.000	---	34.55	54.00	19.45	H	1.93	PASS
13493.250	44.44	---	74.00	29.56	H	6.52	PASS
13514.250	---	35.88	54.00	18.12	H	6.46	PASS
15756.000	47.72	---	74.00	26.28	H	10.80	PASS
15768.750	---	38.84	54.00	15.16	H	10.53	PASS
17399.250	49.04	---	74.00	24.96	H	13.36	PASS
17399.250	---	39.74	54.00	14.26	H	13.36	PASS



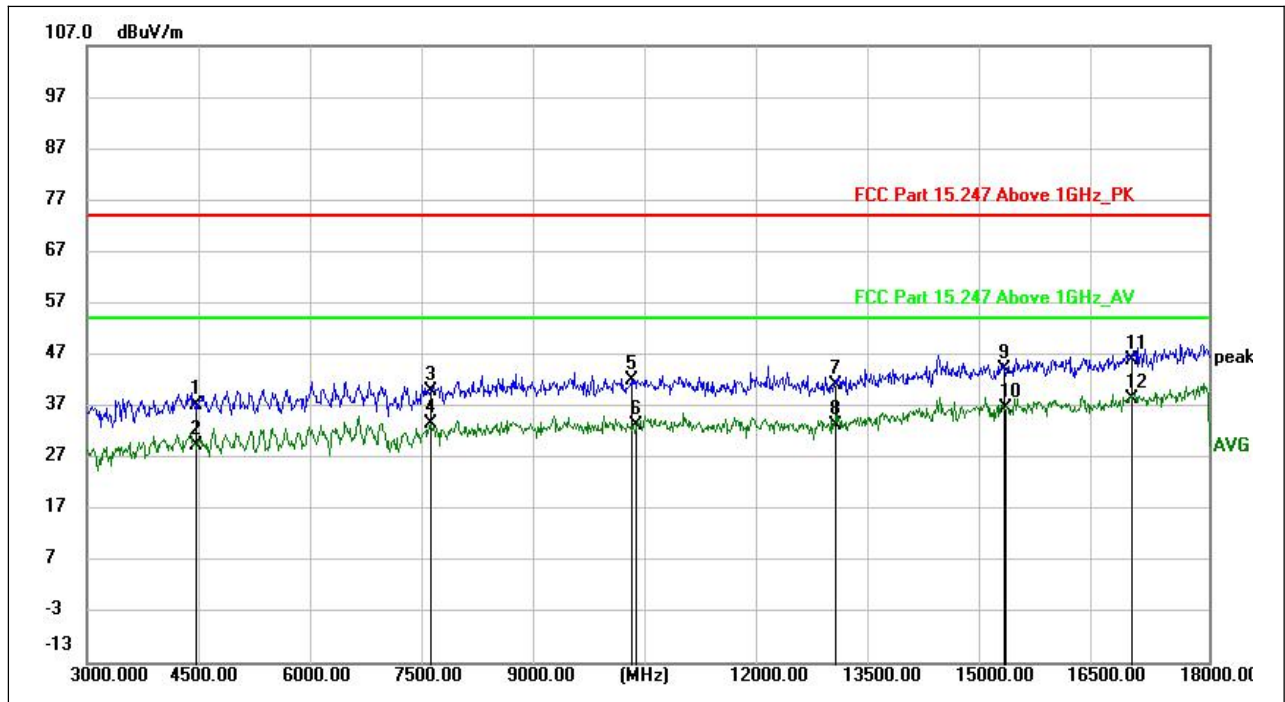
(8-DPSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	34.66	40.00	5.34	V	13.90	PASS
54.3276	33.82	40.00	6.18	V	15.27	PASS
98.6421	29.14	43.50	14.36	V	14.08	PASS
184.3928	23.97	43.50	19.53	V	12.22	PASS
383.9991	34.89	46.00	11.11	V	18.74	PASS
768.0745	31.97	46.00	14.03	V	26.18	PASS



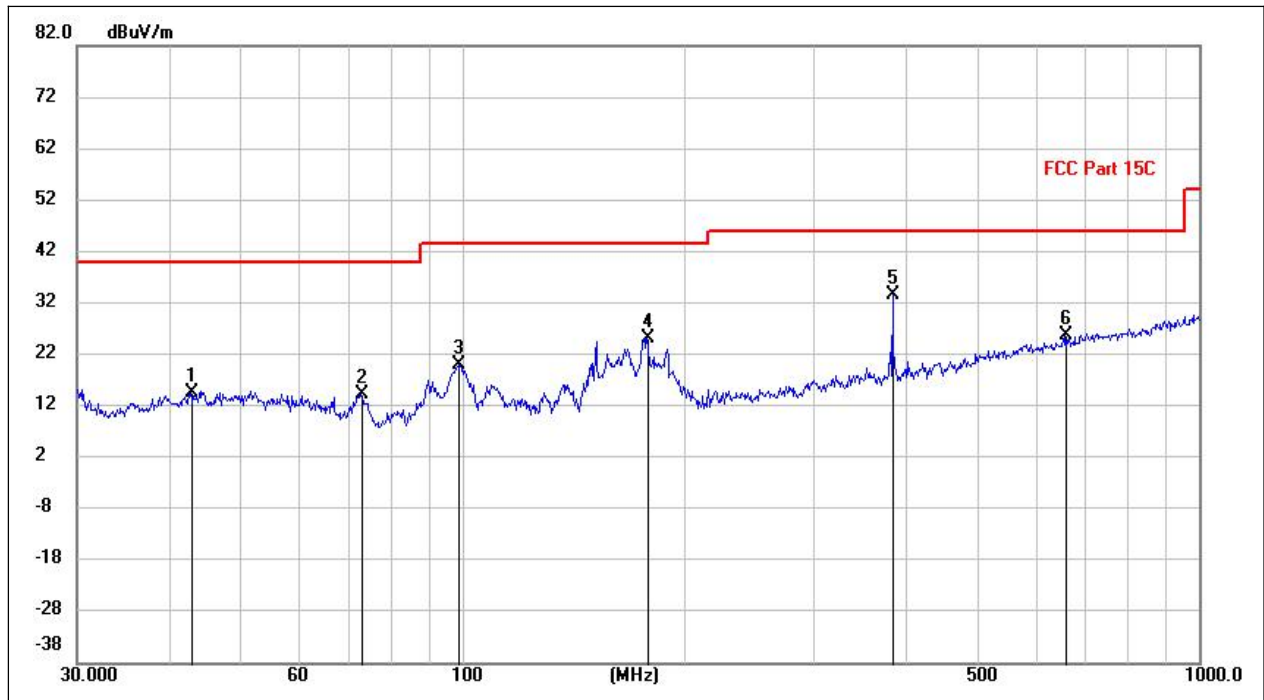
(8-DPSK_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1002.200	40.59	---	74.00	33.41	V	28.57	PASS
1008.828	---	28.92	54.00	25.08	V	28.39	PASS
1190.864	40.64	---	74.00	33.36	V	30.08	PASS
1205.343	---	29.07	54.00	24.93	V	30.43	PASS
1541.650	---	32.05	54.00	21.95	V	33.21	PASS
1543.345	44.10	---	74.00	29.90	V	33.24	PASS
1797.971	47.40	---	74.00	26.60	V	36.63	PASS
1797.971	---	35.62	54.00	18.38	V	36.63	PASS
2013.382	---	36.51	54.00	17.49	V	36.87	PASS
2024.472	48.42	---	74.00	25.58	V	36.50	PASS
2652.673	56.06	---	74.00	17.94	V	43.29	PASS
2655.589	---	43.65	54.00	10.35	V	43.25	PASS



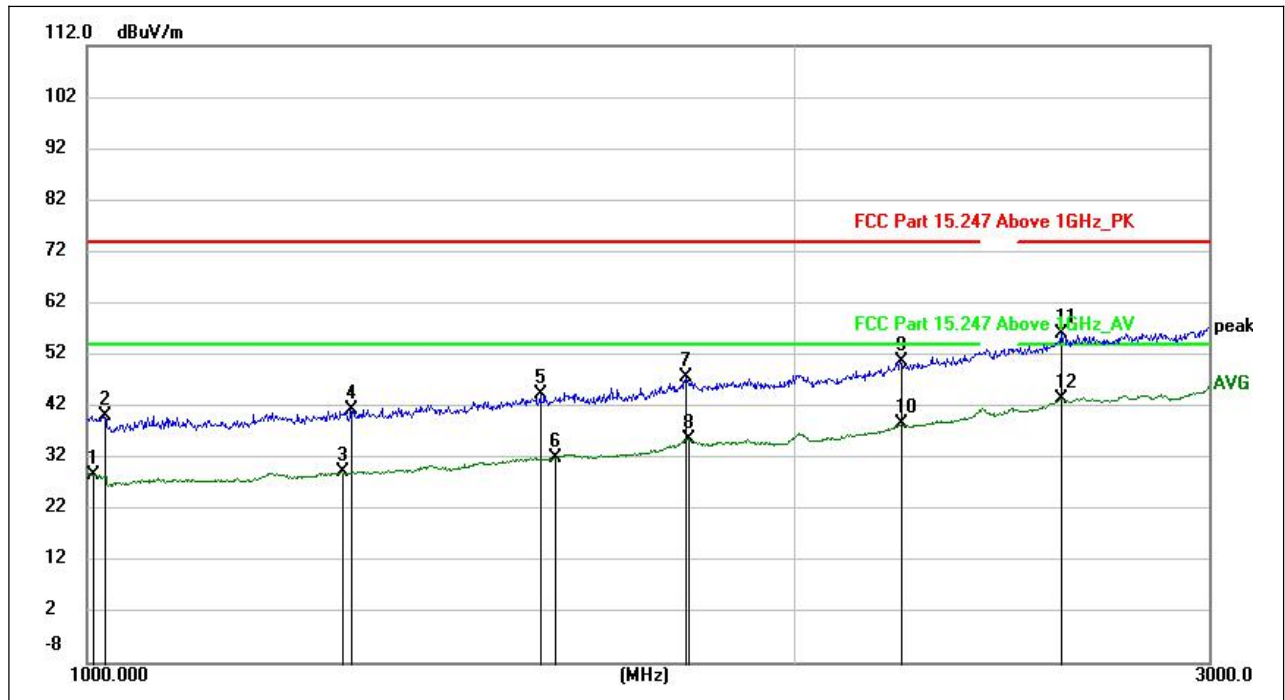
(8-DPSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4458.000	37.34	---	74.00	36.66	V	-3.67	PASS
4458.000	---	29.49	54.00	24.51	V	-3.67	PASS
7602.750	39.89	---	74.00	34.11	V	0.27	PASS
7602.750	---	33.45	54.00	20.55	V	0.27	PASS
10286.250	42.09	---	74.00	31.91	V	2.24	PASS
10328.250	---	33.17	54.00	20.83	V	1.98	PASS
13004.250	41.07	---	74.00	32.93	V	5.75	PASS
13004.250	---	33.32	54.00	20.68	V	5.75	PASS
15243.750	44.20	---	74.00	29.80	V	9.83	PASS
15278.250	---	36.67	54.00	17.33	V	9.91	PASS
16977.750	46.08	---	74.00	27.92	V	12.79	PASS
16977.750	---	38.39	54.00	15.61	V	12.79	PASS



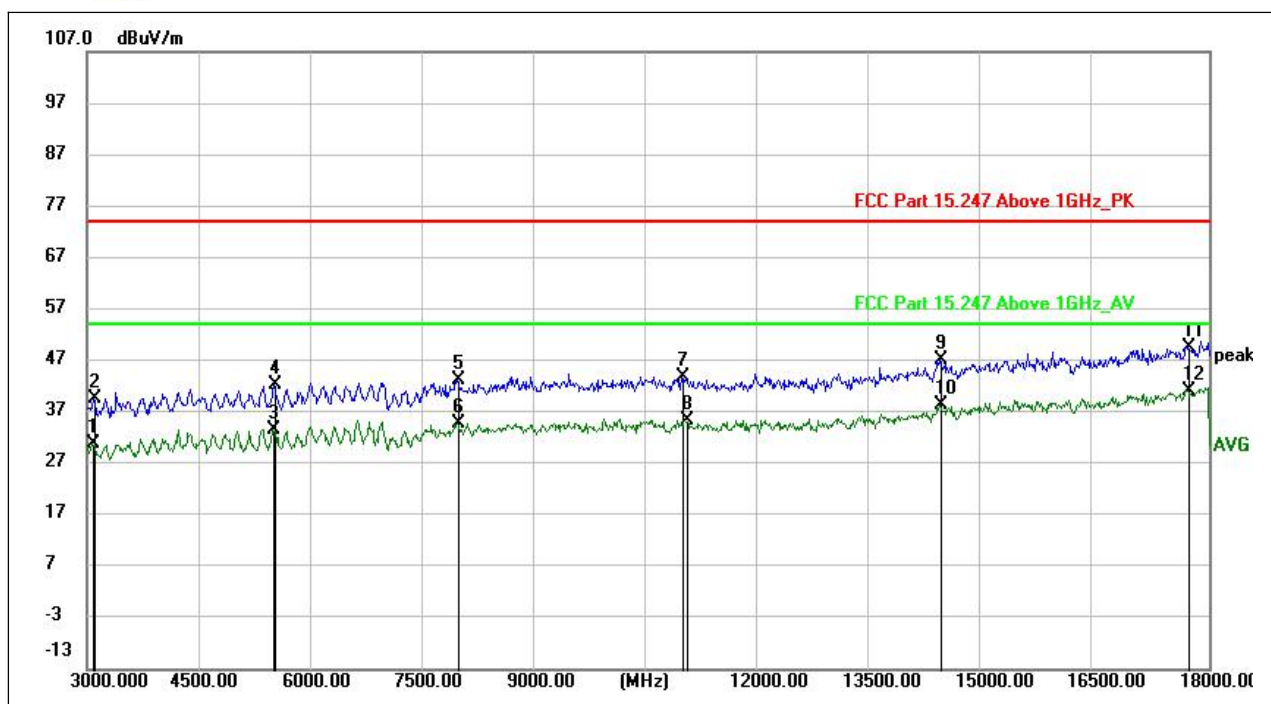
(8-DPSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
42.8547	14.57	40.00	25.43	H	15.22	PASS
72.9105	14.33	40.00	25.67	H	10.34	PASS
99.0754	19.92	43.50	23.58	H	14.43	PASS
178.3202	25.30	43.50	18.20	H	12.33	PASS
383.9991	33.49	46.00	12.51	H	18.74	PASS
659.5296	25.90	46.00	20.10	H	24.34	PASS



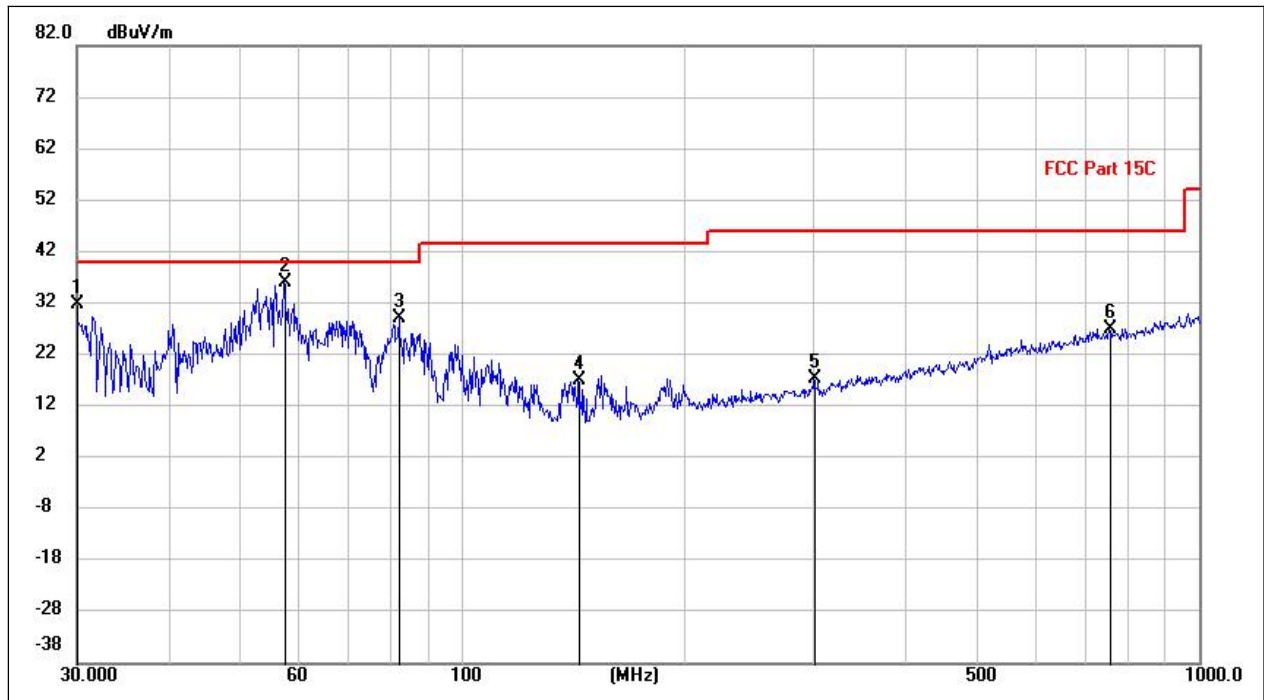
(8-DPSK_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1006.613	---	28.73	54.00	25.27	H	28.46	PASS
1016.616	40.19	---	74.00	33.81	H	27.96	PASS
1283.236	---	29.20	54.00	24.80	H	30.67	PASS
1294.564	41.20	---	74.00	32.80	H	30.65	PASS
1558.680	44.23	---	74.00	29.77	H	33.23	PASS
1579.365	---	31.96	54.00	22.04	H	33.31	PASS
1797.971	47.57	---	74.00	26.43	H	36.63	PASS
1801.926	---	35.66	54.00	18.34	H	36.65	PASS
2217.752	50.63	---	74.00	23.37	H	39.14	PASS
2220.189	---	38.45	54.00	15.55	H	39.11	PASS
2595.023	56.09	---	74.00	17.91	H	43.36	PASS
2595.023	---	43.48	54.00	10.52	H	43.36	PASS



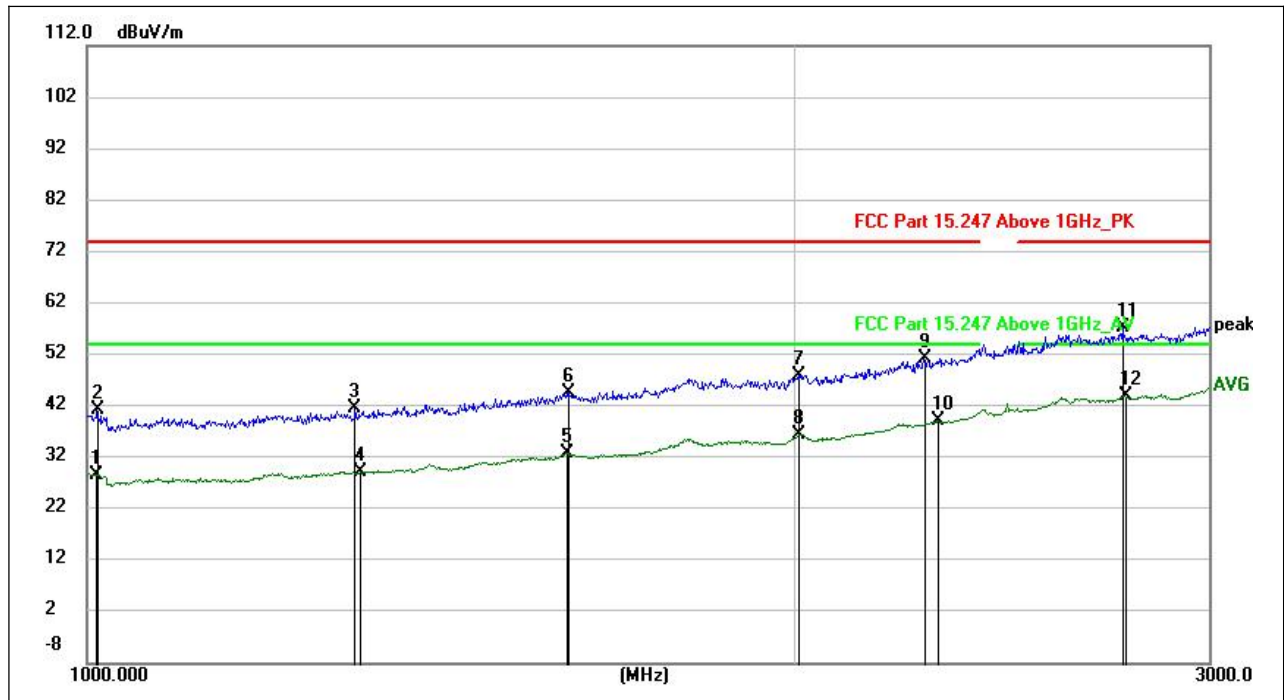
(8-DPSK_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3082.500	---	30.76	54.00	23.24	H	-6.21	PASS
3103.500	39.54	---	74.00	34.46	H	-5.78	PASS
5504.250	---	33.55	54.00	20.45	H	-3.13	PASS
5517.000	42.28	---	74.00	31.72	H	-2.92	PASS
7961.250	43.34	---	74.00	30.66	H	1.24	PASS
7961.250	---	34.66	54.00	19.34	H	1.24	PASS
10968.750	43.78	---	74.00	30.22	H	3.33	PASS
11010.750	---	35.38	54.00	18.62	H	3.46	PASS
14406.000	47.26	---	74.00	26.74	H	9.37	PASS
14406.000	---	38.43	54.00	15.57	H	9.37	PASS
17715.750	49.60	---	74.00	24.40	H	14.62	PASS
17715.750	---	41.15	54.00	12.85	H	14.62	PASS



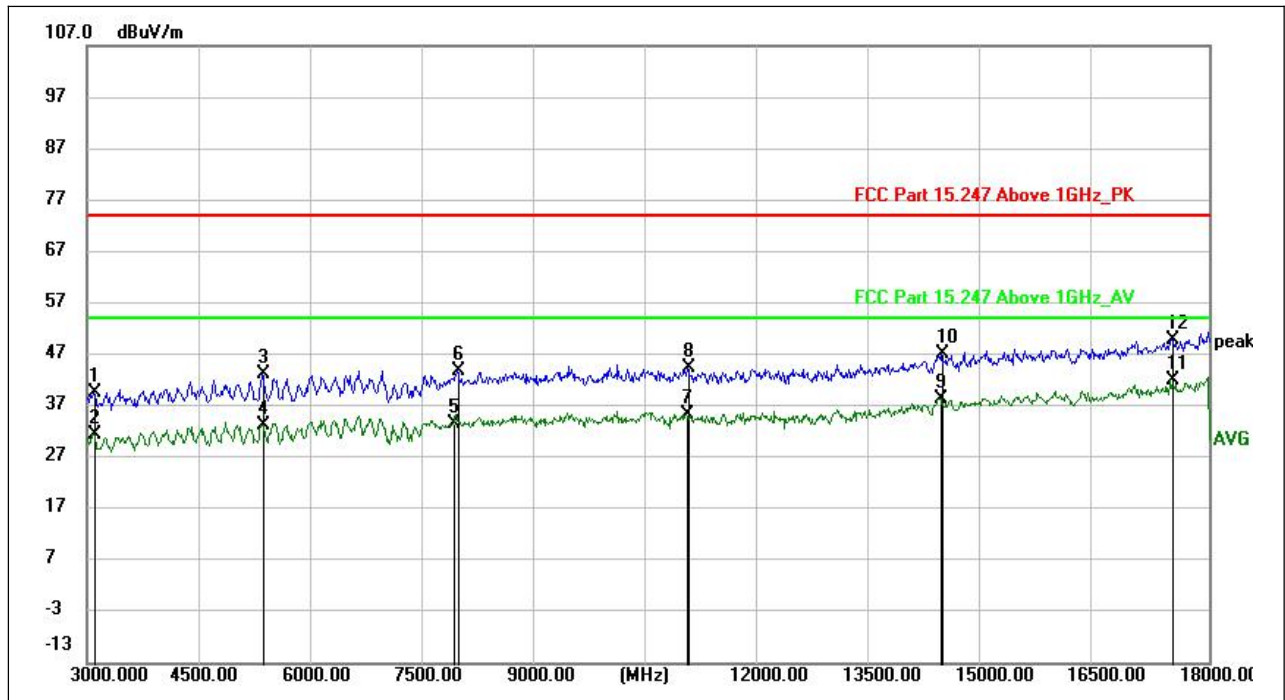
(8-DPSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	31.67	40.00	8.33	V	13.90	PASS
57.5031	35.88	40.00	4.12	V	14.42	PASS
82.1425	29.01	40.00	10.99	V	9.97	PASS
143.8547	16.92	43.50	26.58	V	10.66	PASS
300.4199	17.21	46.00	28.79	V	17.44	PASS
757.9079	27.07	46.00	18.93	V	26.17	PASS



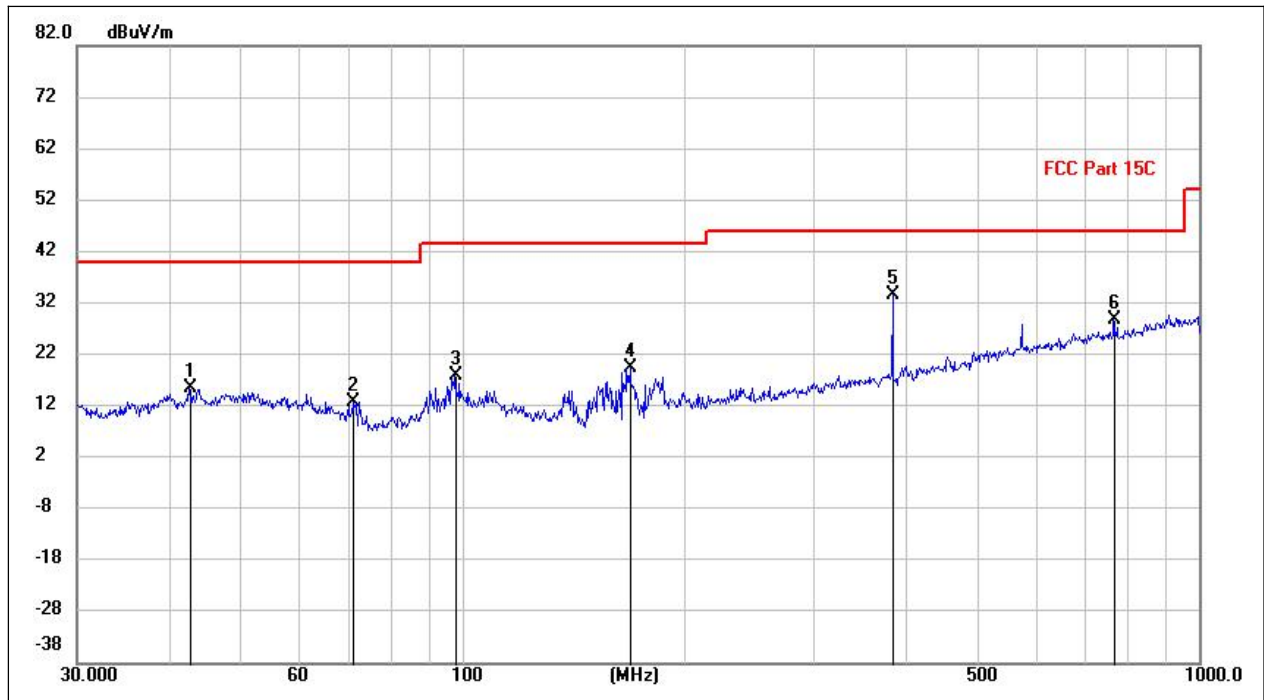
(8-DPSK_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1007.720	---	28.77	54.00	25.23	V	28.42	PASS
1009.937	41.27	---	74.00	32.73	V	28.33	PASS
1300.265	41.73	---	74.00	32.27	V	30.72	PASS
1307.427	---	29.31	54.00	24.69	V	30.77	PASS
1598.567	---	32.87	54.00	21.13	V	34.17	PASS
1600.324	44.76	---	74.00	29.24	V	34.23	PASS
2006.757	48.06	---	74.00	25.94	V	37.23	PASS
2008.963	---	36.52	54.00	17.48	V	37.11	PASS
2269.512	51.27	---	74.00	22.73	V	39.23	PASS
2299.630	---	39.10	54.00	14.90	V	39.77	PASS
2756.658	57.37	---	74.00	16.63	V	43.77	PASS
2762.722	---	43.97	54.00	10.03	V	43.56	PASS



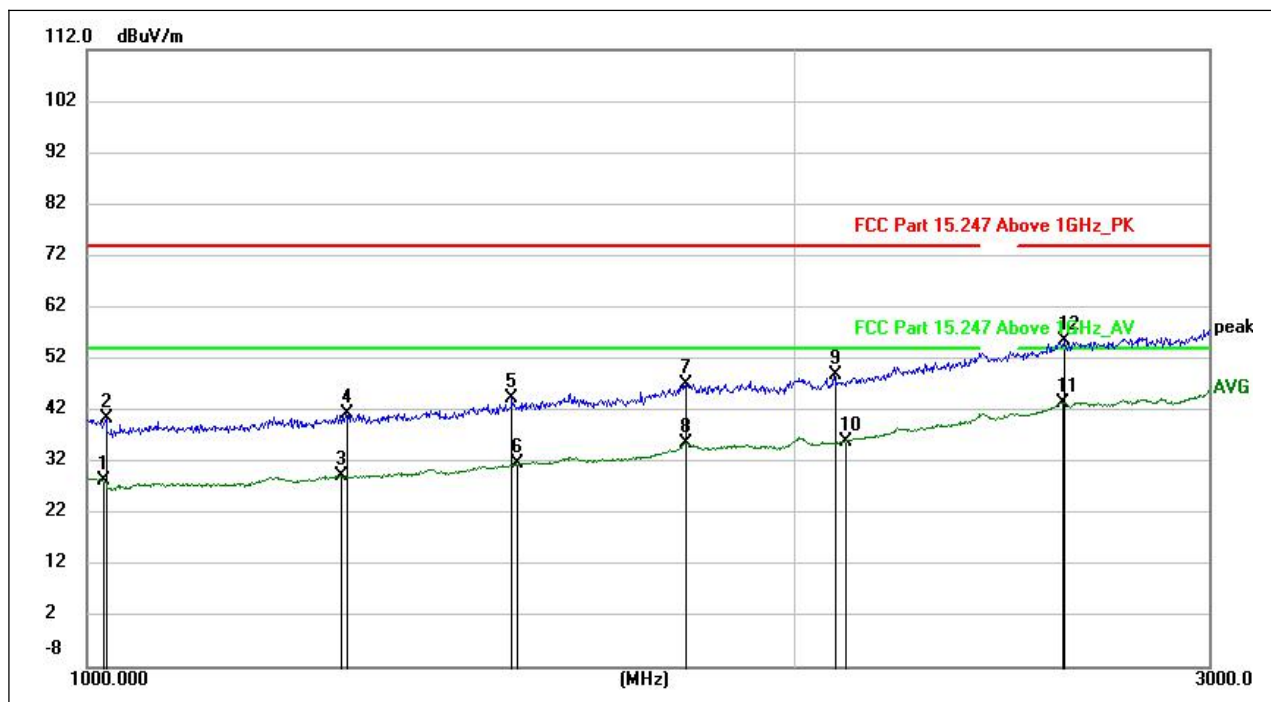
(8-DPSK_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3096.750	39.56	---	74.00	34.44	V	-5.92	PASS
3096.750	---	31.59	54.00	22.41	V	-5.92	PASS
5350.500	43.12	---	74.00	30.88	V	-2.55	PASS
5350.500	---	33.39	54.00	20.61	V	-2.55	PASS
7903.500	---	33.64	54.00	20.36	V	0.51	PASS
7969.500	43.70	---	74.00	30.30	V	1.24	PASS
11023.500	---	35.53	54.00	18.47	V	3.28	PASS
11036.250	44.32	---	74.00	29.68	V	3.28	PASS
14412.750	---	38.49	54.00	15.51	V	9.47	PASS
14433.000	47.01	---	74.00	26.99	V	9.43	PASS
17511.750	---	41.97	54.00	12.03	V	14.96	PASS
17517.750	49.76	---	74.00	24.24	V	14.82	PASS



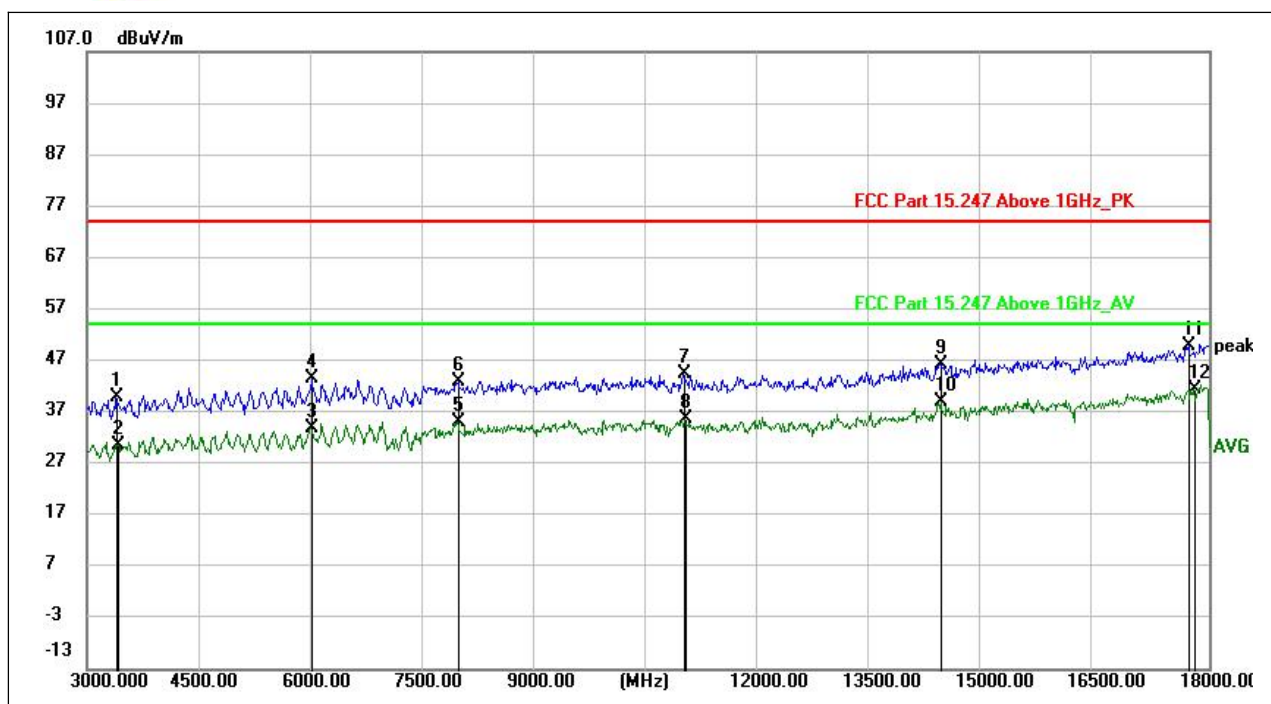
(8-DPSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
42.6074	15.41	40.00	24.59	H	15.18	PASS
71.0928	12.92	40.00	27.08	H	11.27	PASS
97.8326	17.79	43.50	25.71	H	13.52	PASS
169.1239	19.30	43.50	24.20	H	12.26	PASS
383.9991	33.67	46.00	12.33	H	18.74	PASS
768.0745	28.75	46.00	17.25	H	26.18	PASS



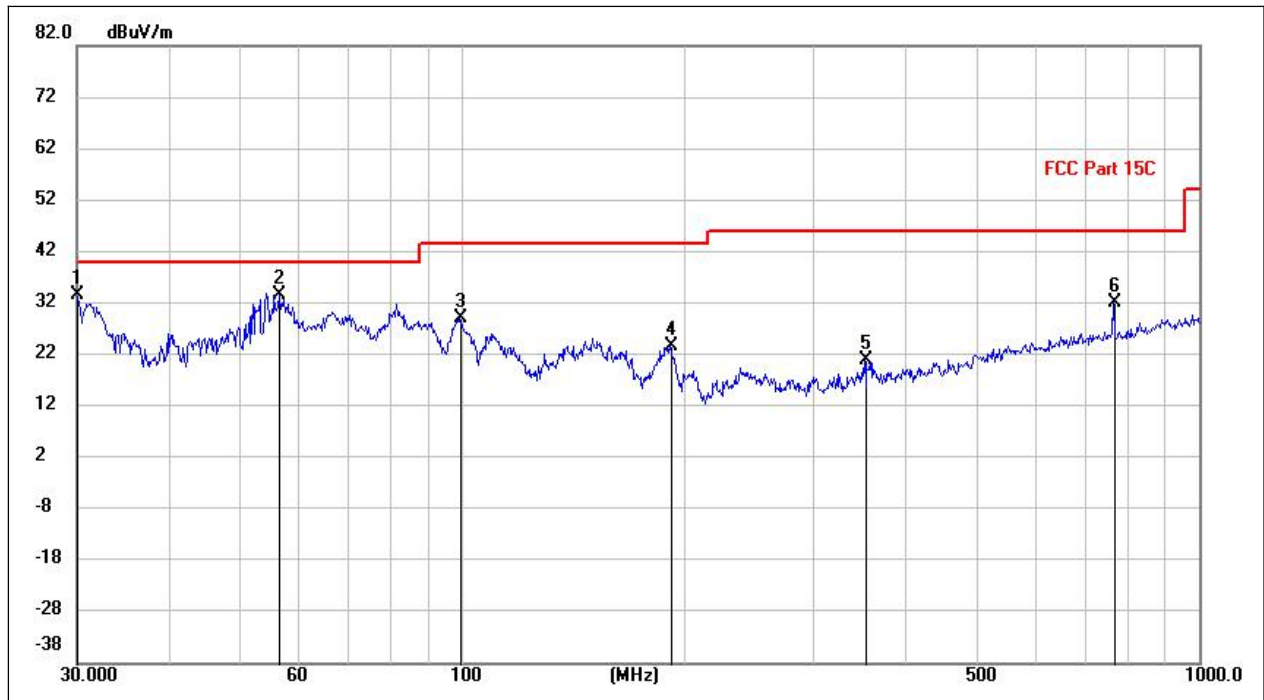
(8-DPSK_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1015.500	---	28.29	54.00	25.71	H	28.02	PASS
1018.852	40.28	---	74.00	33.72	H	27.83	PASS
1281.827	---	29.35	54.00	24.65	H	30.67	PASS
1288.888	41.39	---	74.00	32.61	H	30.65	PASS
1516.453	44.20	---	74.00	29.80	H	32.89	PASS
1523.132	---	31.56	54.00	22.44	H	32.93	PASS
1797.971	47.17	---	74.00	26.83	H	36.63	PASS
1797.971	---	35.69	54.00	18.31	H	36.63	PASS
2078.561	48.94	---	74.00	25.06	H	36.63	PASS
2099.215	---	36.02	54.00	17.98	H	37.05	PASS
2600.731	---	43.43	54.00	10.57	H	43.66	PASS
2603.590	55.55	---	74.00	18.45	H	43.50	PASS



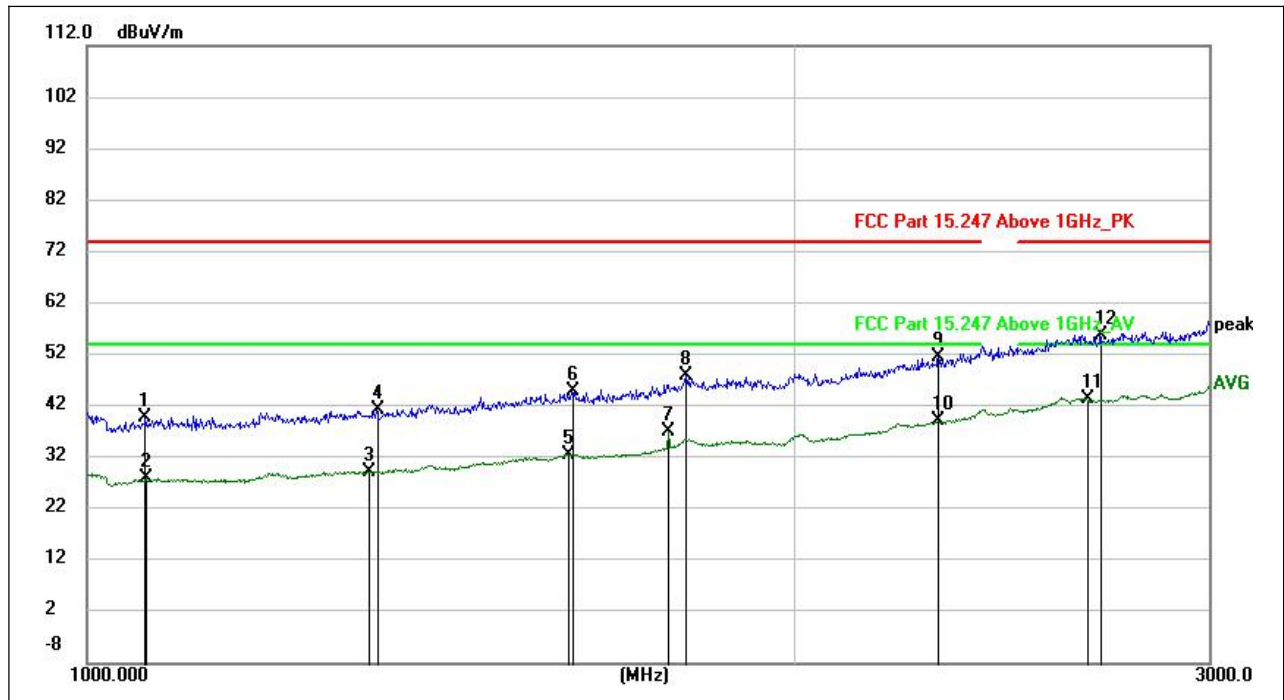
(8-DPSK_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3405.000	39.83	---	74.00	34.17	H	-5.97	PASS
3411.000	---	30.63	54.00	23.37	H	-5.93	PASS
5999.250	---	33.83	54.00	20.17	H	-2.89	PASS
6007.500	43.53	---	74.00	30.47	H	-2.76	PASS
7961.250	---	35.17	54.00	18.83	H	1.24	PASS
7968.750	42.83	---	74.00	31.17	H	1.08	PASS
10985.250	44.52	---	74.00	29.48	H	3.34	PASS
11007.000	---	35.76	54.00	18.24	H	3.45	PASS
14418.750	46.32	---	74.00	27.68	H	9.28	PASS
14418.750	---	39.14	54.00	14.86	H	9.28	PASS
17739.000	49.74	---	74.00	24.26	H	15.12	PASS
17794.500	---	41.29	54.00	12.71	H	14.64	PASS



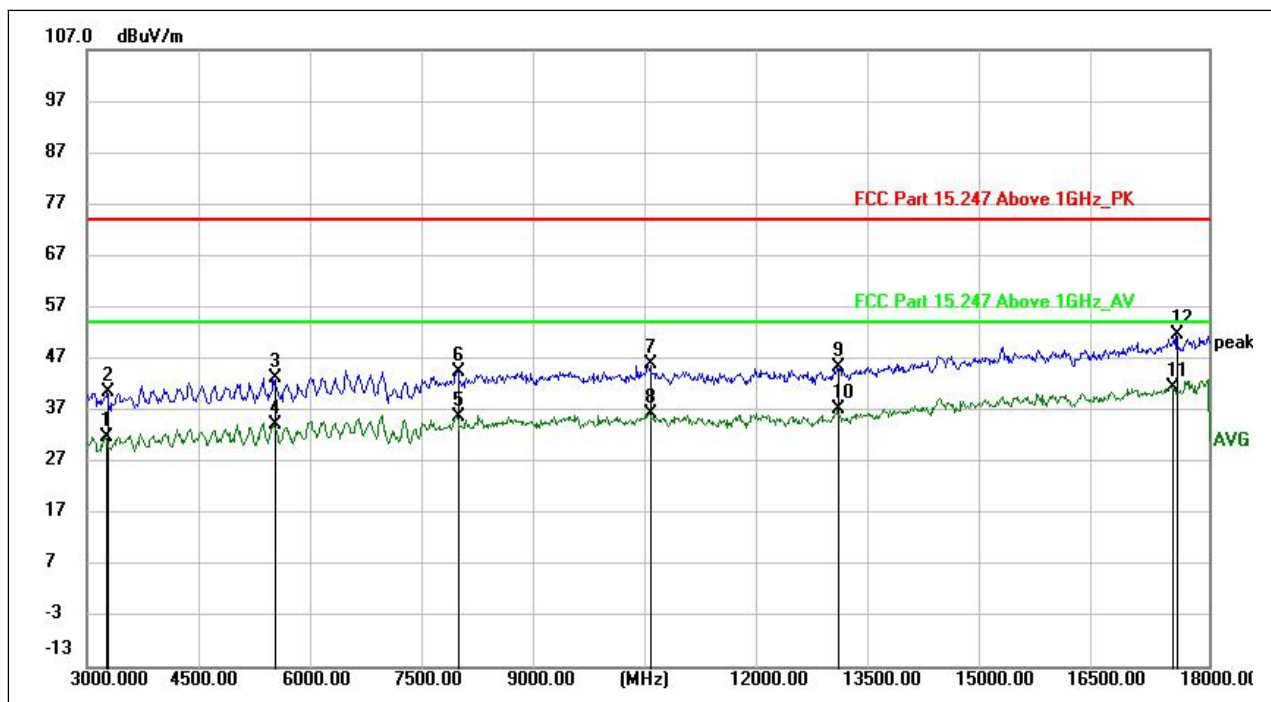
(8-DPSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.0000	33.56	40.00	6.44	V	13.90	PASS
56.5731	33.74	40.00	6.26	V	14.69	PASS
99.2493	28.96	43.50	14.54	V	14.57	PASS
191.8123	23.58	43.50	19.92	V	13.42	PASS
352.2016	20.91	46.00	25.09	V	17.91	PASS
768.0745	31.97	46.00	14.03	V	26.18	PASS



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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1058.791	39.90	---	74.00	34.10	V	28.73	PASS
1059.955	---	27.96	54.00	26.04	V	28.73	PASS
1317.521	---	29.36	54.00	24.64	V	30.78	PASS
1327.692	41.15	---	74.00	32.85	V	30.76	PASS
1602.083	---	32.67	54.00	21.33	V	34.16	PASS
1607.372	44.80	---	74.00	29.20	V	33.98	PASS
1766.643	---	37.12	54.00	16.88	V	35.02	PASS
1797.971	47.82	---	74.00	26.18	V	36.63	PASS
2302.157	51.63	---	74.00	22.37	V	39.73	PASS
2302.157	---	39.21	54.00	14.79	V	39.73	PASS
2661.430	---	43.33	54.00	10.67	V	43.18	PASS
2696.749	55.85	---	74.00	18.15	V	43.08	PASS



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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3261.000	---	31.81	54.00	22.19	V	-5.87	PASS
3271.500	40.42	---	74.00	33.58	V	-5.79	PASS
5508.000	43.38	---	74.00	30.62	V	-1.81	PASS
5514.000	---	34.04	54.00	19.96	V	-1.89	PASS
7959.750	---	35.59	54.00	18.41	V	1.43	PASS
7968.750	44.48	---	74.00	29.52	V	1.25	PASS
10524.000	45.95	---	74.00	28.05	V	3.26	PASS
10533.750	---	36.25	54.00	17.75	V	3.22	PASS
13041.000	45.47	---	74.00	28.53	V	6.27	PASS
13041.000	---	37.06	54.00	16.94	V	6.27	PASS
17520.000	---	41.52	54.00	12.48	V	14.77	PASS
17571.750	51.54	---	74.00	22.46	V	13.40	PASS

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.Date	Cal.Due Date
1	MXA Signal Analyzer	MY53421845	N9020A	Keysight	2020.01.04	2021.01.03
2	RF cable (30MHz-26.5GHz)	RF01	N/A	Morlab	2020.01.04	2021.01.03
3	Coaxial cable	RF02	N/A	Morlab	2020.01.04	2021.01.03
4	SMA connector	RF03	N/A	Xingbo	2020.01.04	2021.01.03

Software Version: MW 2.0.0.0

4.2 Conducted Emission Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Date	Cal.Due Date
1	EMI Receiver	102174	ESR3	ESR3	2019.01.08	2020.01.07
2	LISN	101338	ENV432	ENV432	2019.01.14	2020.01.13
3	Pulse Limiter (10dB)	317	VTSD 9561 F	VTSD 9561 F	2019.01.14	2020.01.13



4	Coaxial cable(BNC) (30MHz-3GHz)	EMC01	N/A	Morlab	2019.01.14	2020.01.13
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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

4.4 Radiated Test Equipments

RSE Test System						
No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal. Date	Cal.Due Date
1	Anechoic Chamber	N/A	9m*6m*6m	ETS-Lindgren	2017.07.21	2020.07.20
2	Signal Analyzer	101294	FSV40	R&S	2019.01.04	2020.01.03
3	Active Ring Antenna	FMZB 1513 #269	FMZB 1513	Schwarzbeck	2019.01.12	2020.01.11
4	Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2018.09.25	2021.09.24
5	Ultra-Wideband Horn Antenna	102615	HF907	R&S	2019.01.19	2020.01.18
6	Steatite Antennas	17868	QSH-SL-1 8-26-S-20	Seibersdorf	2019.01.12	2020.01.11
7	RF Switch and Control Platform	N/A	RSC	CDSI	N/A	N/A
8	Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2019.01.04	2020.01.03
9	Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	2019.01.04	2020.01.03
10	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2019.01.04	2020.01.03
11	Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	2019.01.04	2020.01.03



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12	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2019.01.04	2020.01.03
13	Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2019.01.29	2020.01.28
14	Band stop Filter	EMC19	BJF2400/2 485-60	CDSI	2019.01.04	2020.01.03
15	High Pass Filter	EMC22	HFP-3.0/1 8G-60	CDSI	2019.01.04	2020.01.03

_____ END OF REPORT _____