

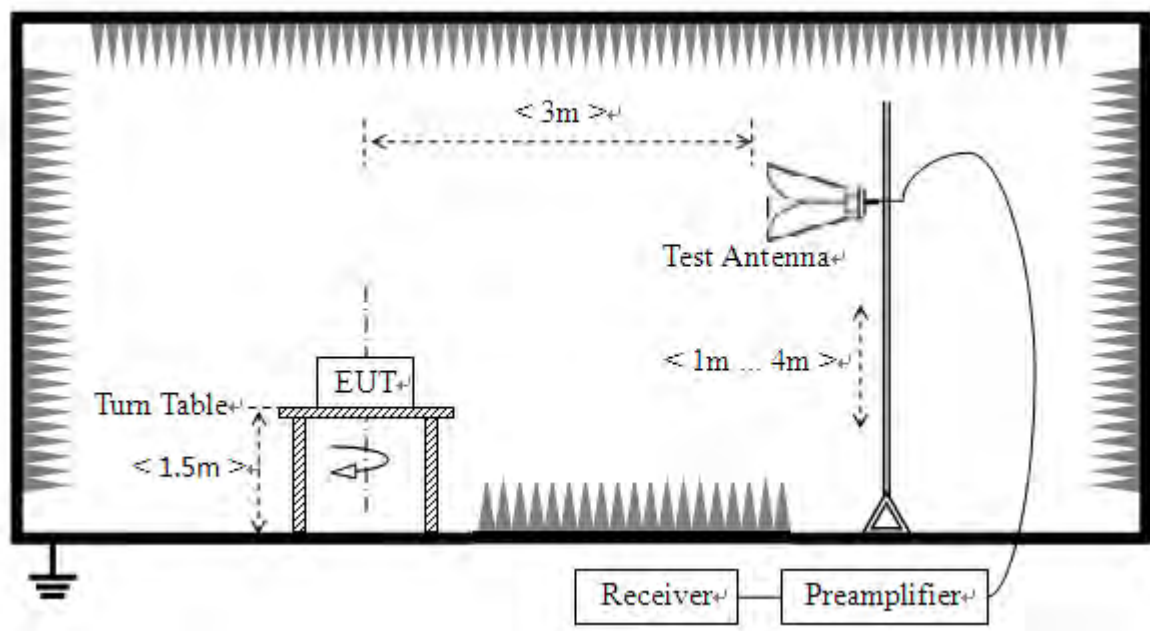
2.8. Restricted Frequency Bands

2.8.1. 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).

2.8.2. 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.

B. Equipments List:

Please refer ANNEX B(4).

2.8.3. Test Result

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

The measurement results are obtained as below:

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

AT: Total correction Factor except Antenna

UR: Receiver Reading

Gpreamp: Preamplifier Gain

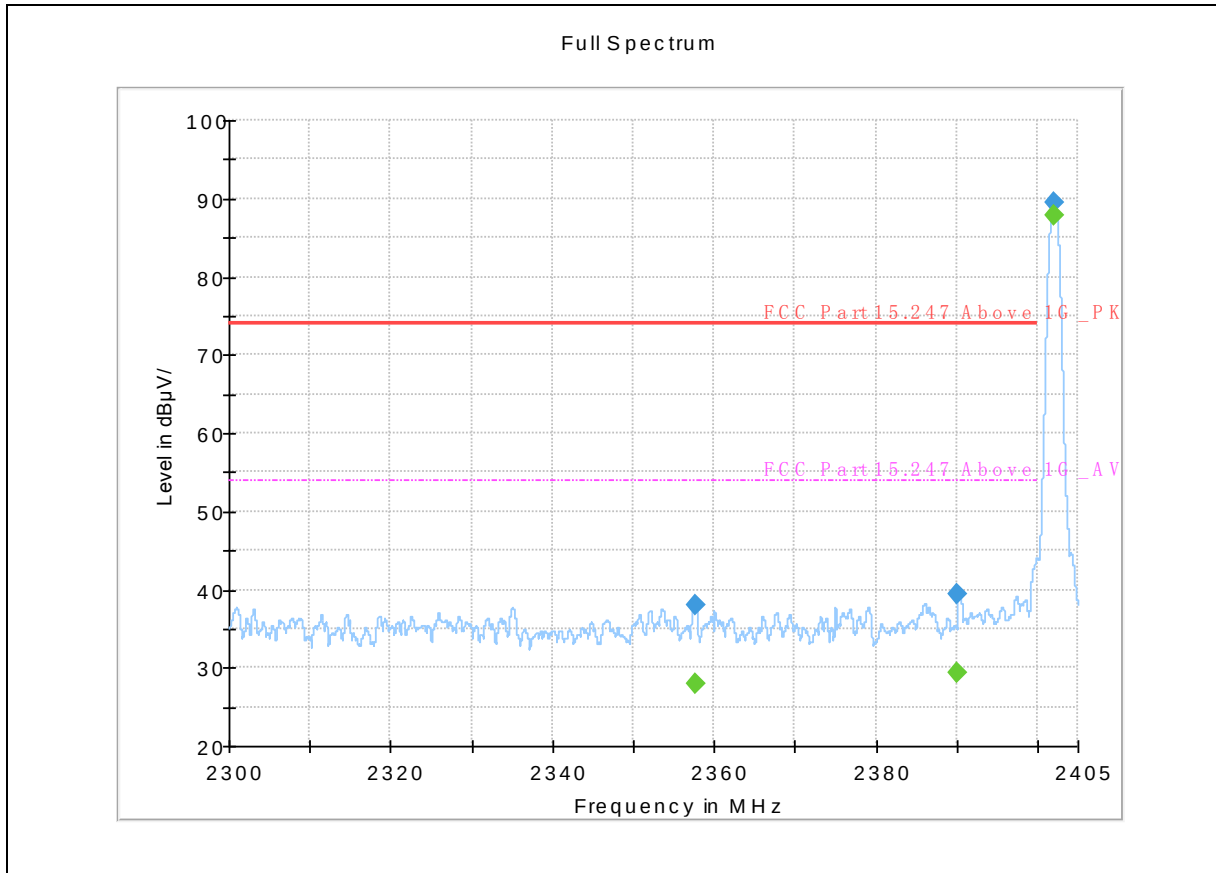
AFactor: Antenna Factor at 3m

Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

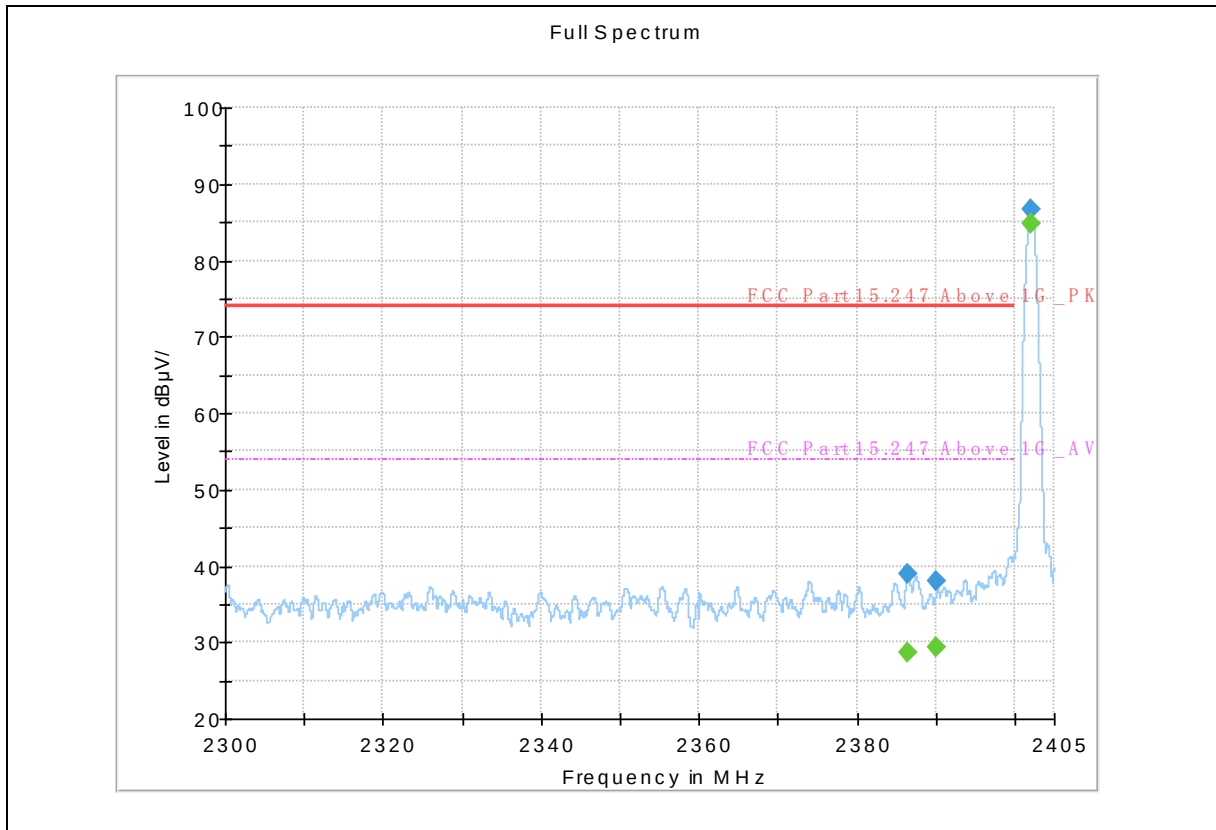
Test Verdict:

Mode	Channel	Limit (dB μ V/m)	Antenna	Verdict
GFSK	0	PK: 74 AV: 54	Horizontal	Pass
	0		Vertical	Pass
	78		Horizontal	Pass
	78		Vertical	Pass
$\pi/4$ -DQPSK	0		Horizontal	Pass
	0		Vertical	Pass
	78		Horizontal	Pass
	78		Vertical	Pass
8-DPSK	0		Horizontal	Pass
	0		Vertical	Pass
	78		Horizontal	Pass
	78		Vertical	Pass

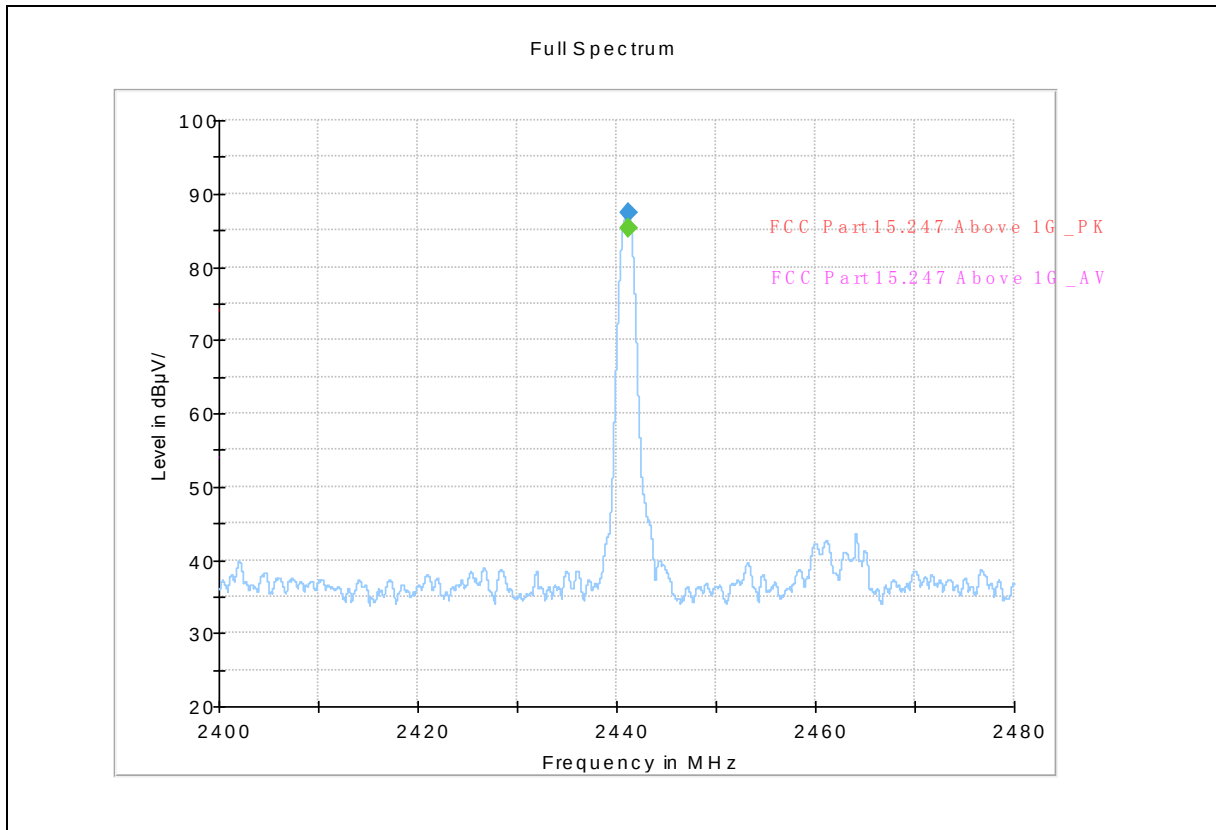
GFSK Test mode



Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2357.604167	---	28.01	54.00	25.99	H	7.6
2357.604167	38.04	---	74.00	35.96	H	7.6
2390.002500	---	29.31	54.00	24.69	H	8.0
2390.002500	39.45	---	74.00	34.55	H	8.0
2401.949167	89.58	---	---	---	H	8.7
2401.949167	---	87.82	---	---	H	8.7

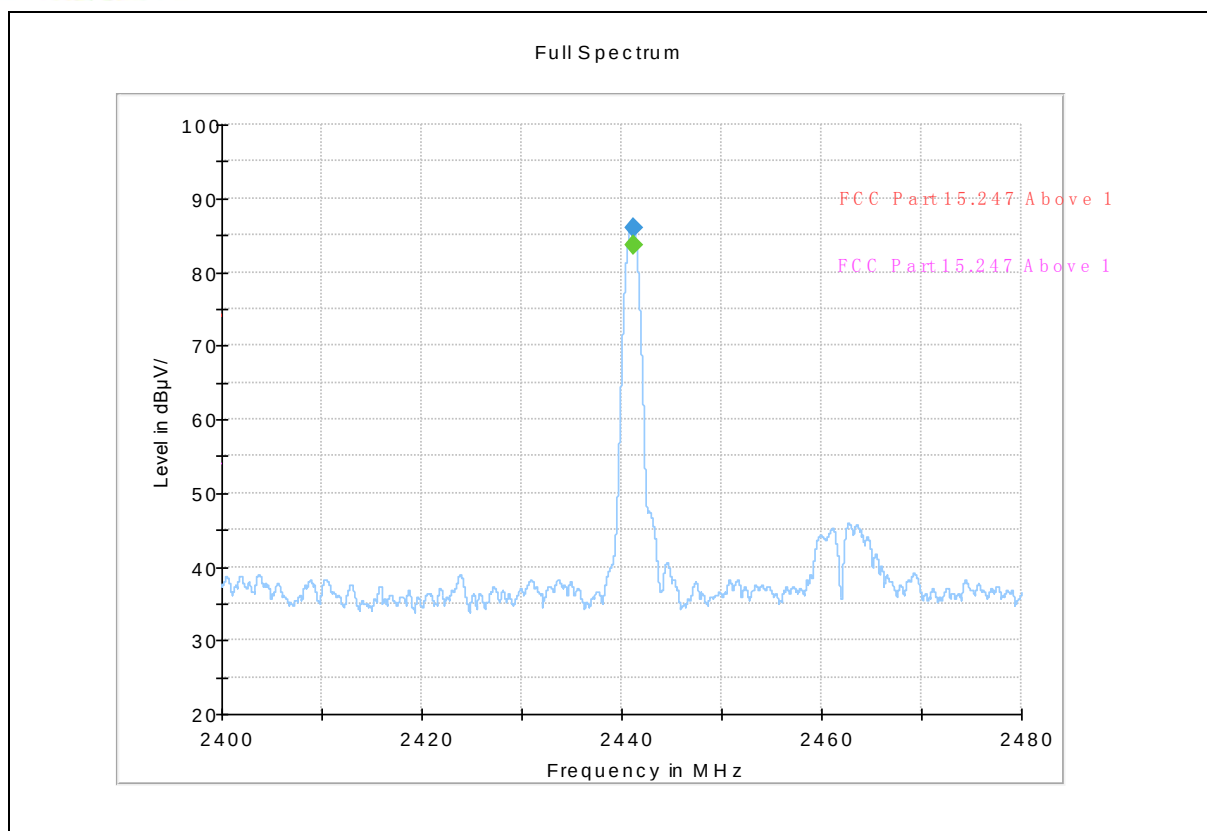


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2386.490833	---	28.73	54.00	25.27	V	7.7
2386.490833	38.85	---	74.00	35.15	V	7.7
2390.002500	37.90	---	74.00	36.10	V	8.0
2390.002500	---	29.30	54.00	24.70	V	8.0
2402.071667	86.69	---	---	---	V	8.7
2402.071667	---	84.89	---	---	V	8.7

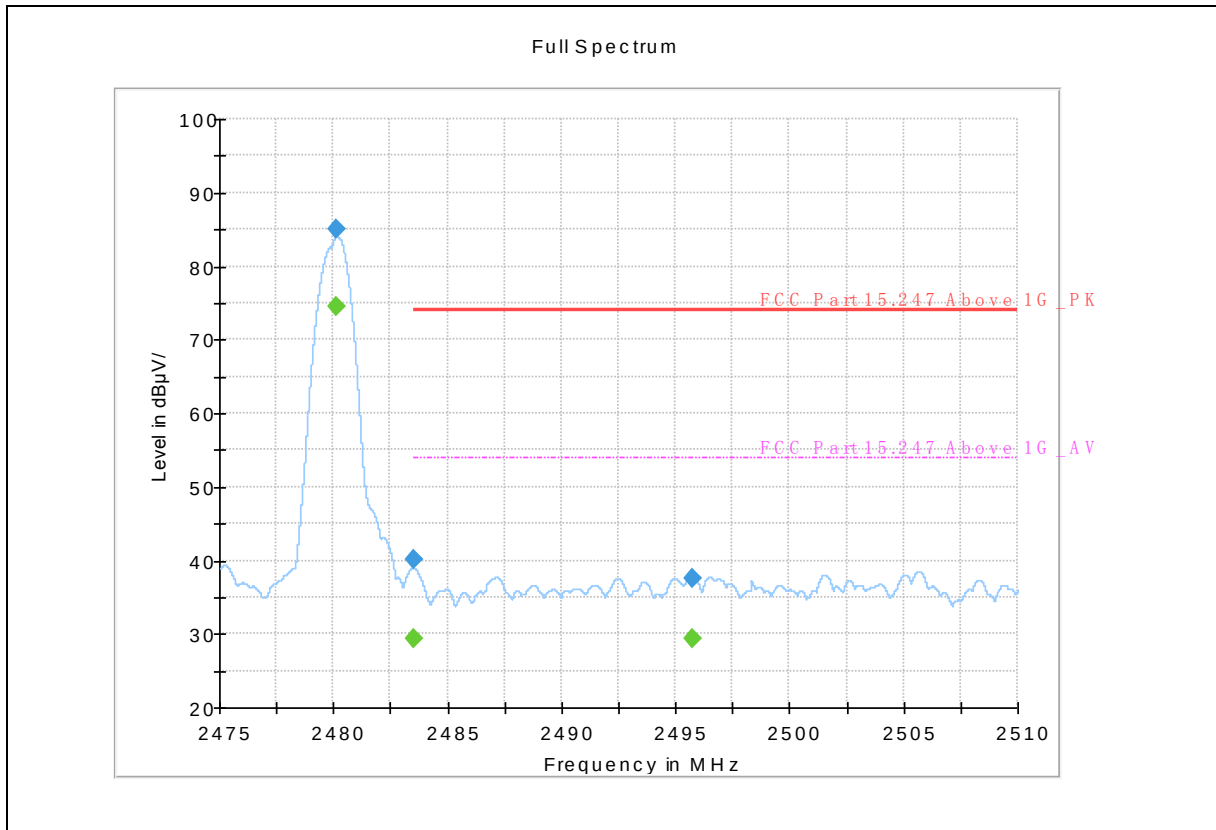


(GFSK _2441MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2441.137778	---	85.31	---	---	H	7.8
2441.137778	87.47	---	---	---	H	7.8

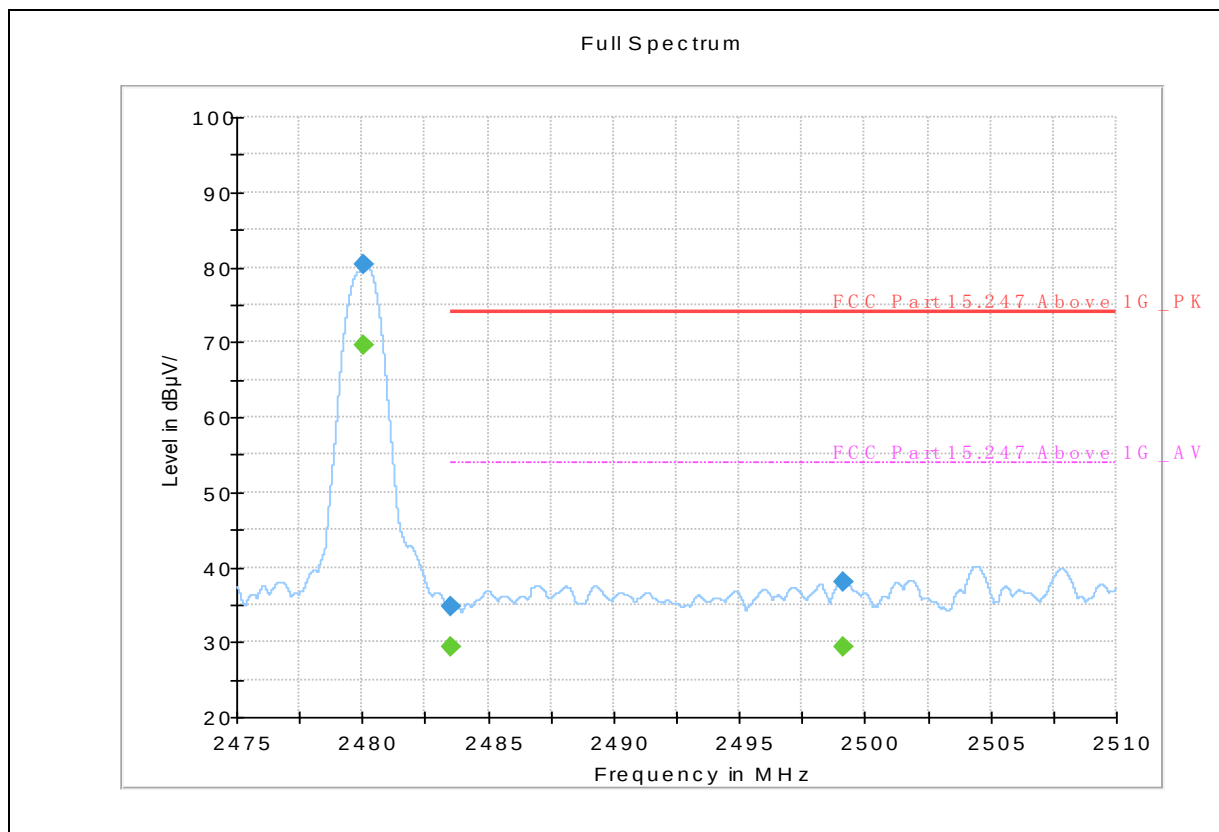


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2441.164445	---	83.57	---	---	V	7.8
2441.164445	85.92	---	---	---	V	7.8



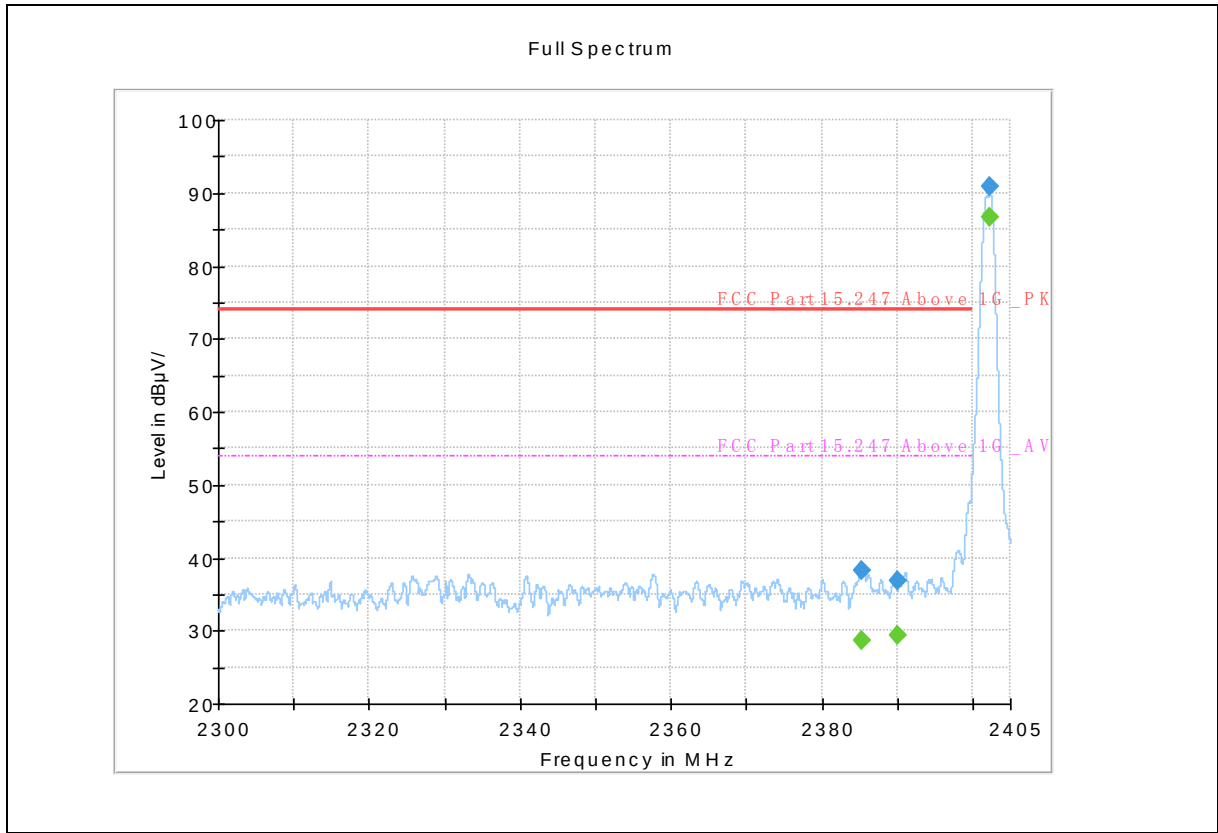
(GFSK _2480MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2480.152778	84.96	---	---	---	H	8.2
2480.152778	---	74.50	---	---	H	8.2
2483.501111	---	29.35	54.00	24.65	H	8.3
2483.501111	40.03	---	74.00	33.97	H	8.3
2495.727778	37.61	---	74.00	36.39	H	8.4
2495.727778	---	29.44	54.00	24.56	H	8.4



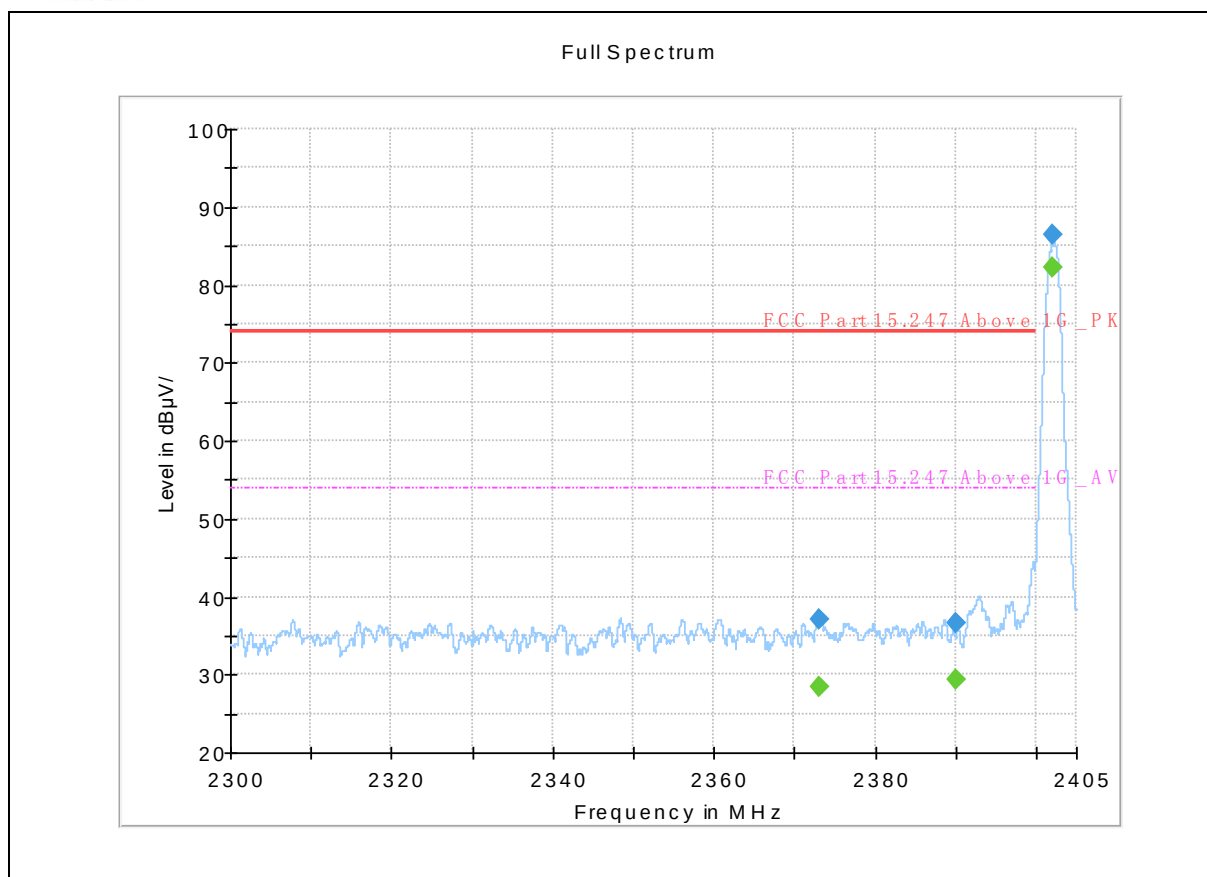
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2480.024445	80.42	---	---	---	V	8.2
2480.024445	---	69.52	---	---	V	8.2
2483.501111	---	29.29	54.00	24.71	V	8.3
2483.501111	34.84	---	74.00	39.16	V	8.3
2499.140278	37.94	---	74.00	36.06	V	8.4
2499.140278	---	29.29	54.00	24.71	V	8.4

$\pi/4$ -DQPSK Test mode



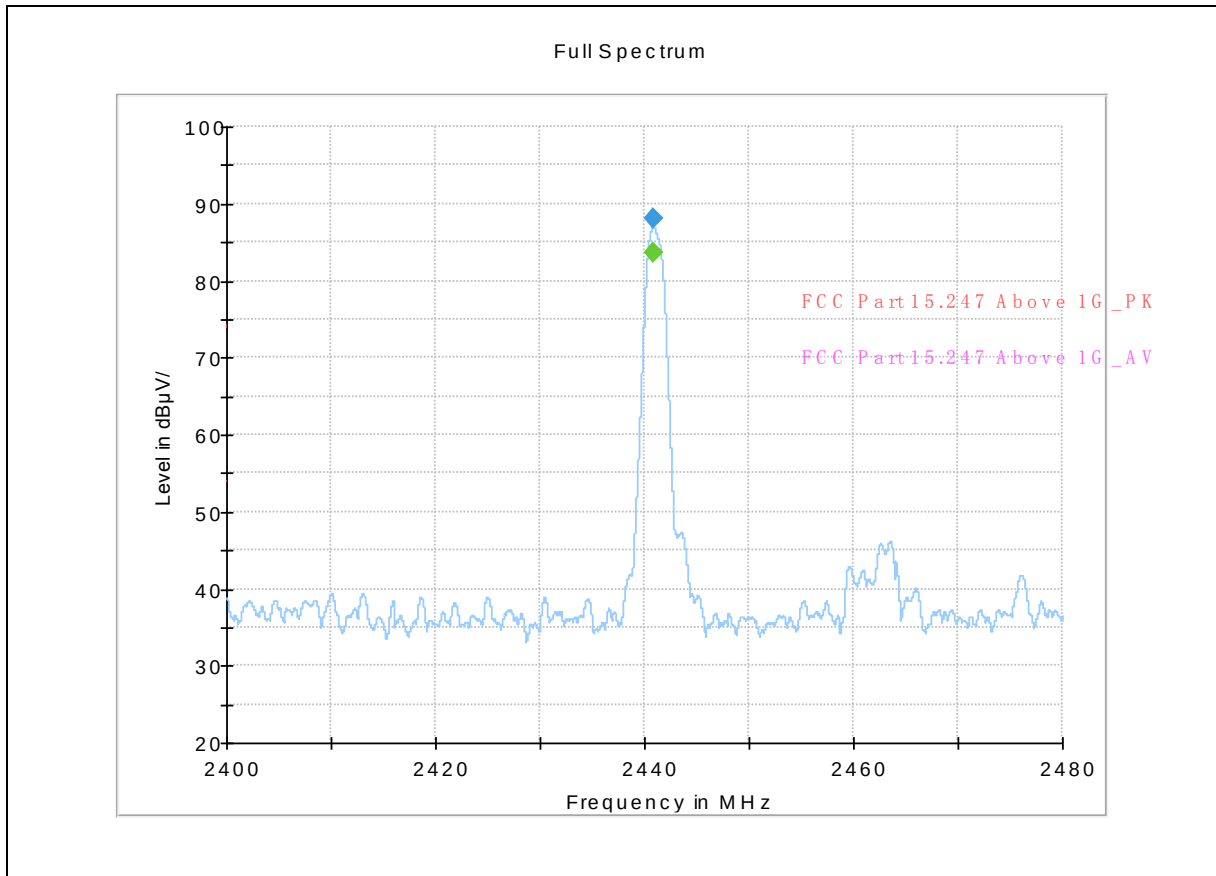
($\pi/4$ -DQPSK_2402MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2385.300833	38.32	---	74.00	35.68	H	7.7
2385.300833	---	28.66	54.00	25.34	H	7.7
2390.002500	36.76	---	74.00	37.24	H	8.0
2390.002500	---	29.31	54.00	24.69	H	8.0
2402.200000	---	86.62	---	---	H	8.7
2402.200000	90.90	---	---	---	H	8.7



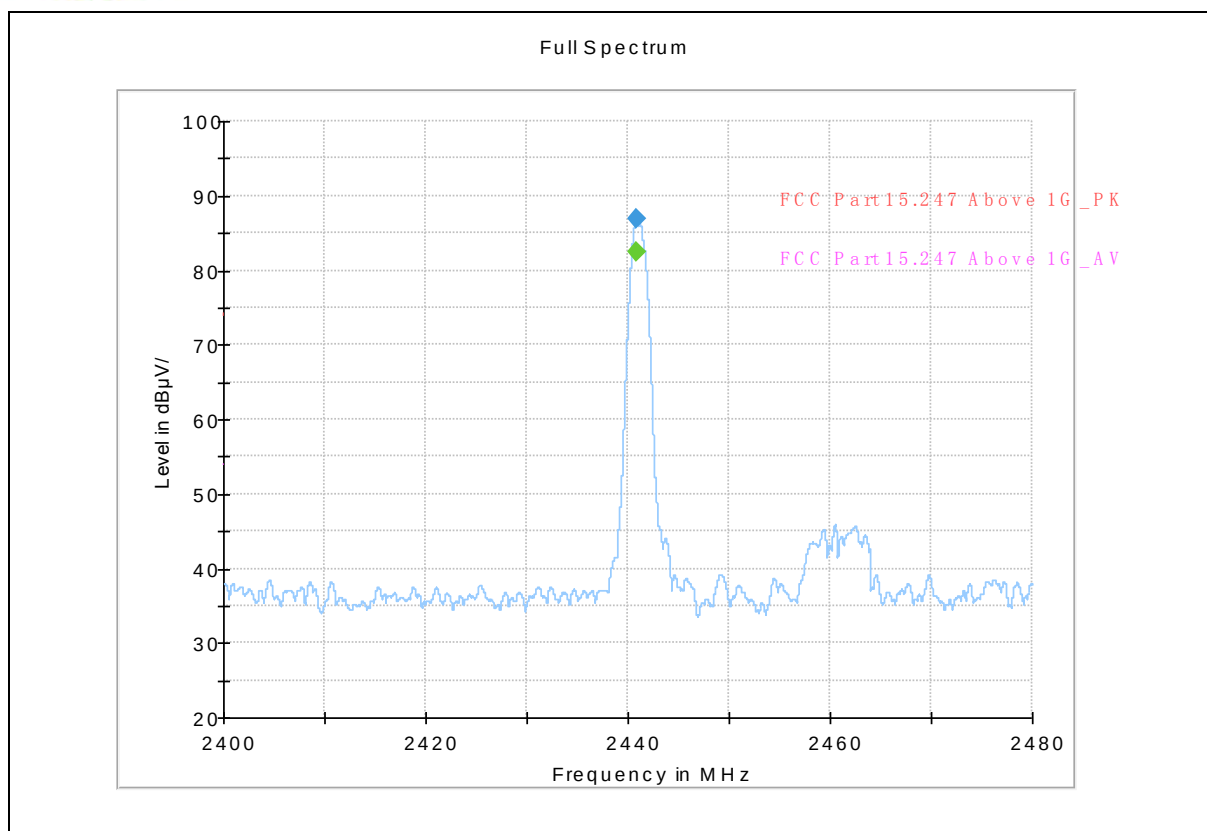
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2372.992500	---	28.37	54.00	25.63	V	7.3
2372.992500	37.17	---	74.00	36.83	V	7.3
2390.020000	36.50	---	74.00	37.50	V	8.0
2390.020000	---	29.28	54.00	24.72	V	8.0
2402.159167	86.43	---	---	---	V	8.7
2402.159167	---	82.24	---	---	V	8.7



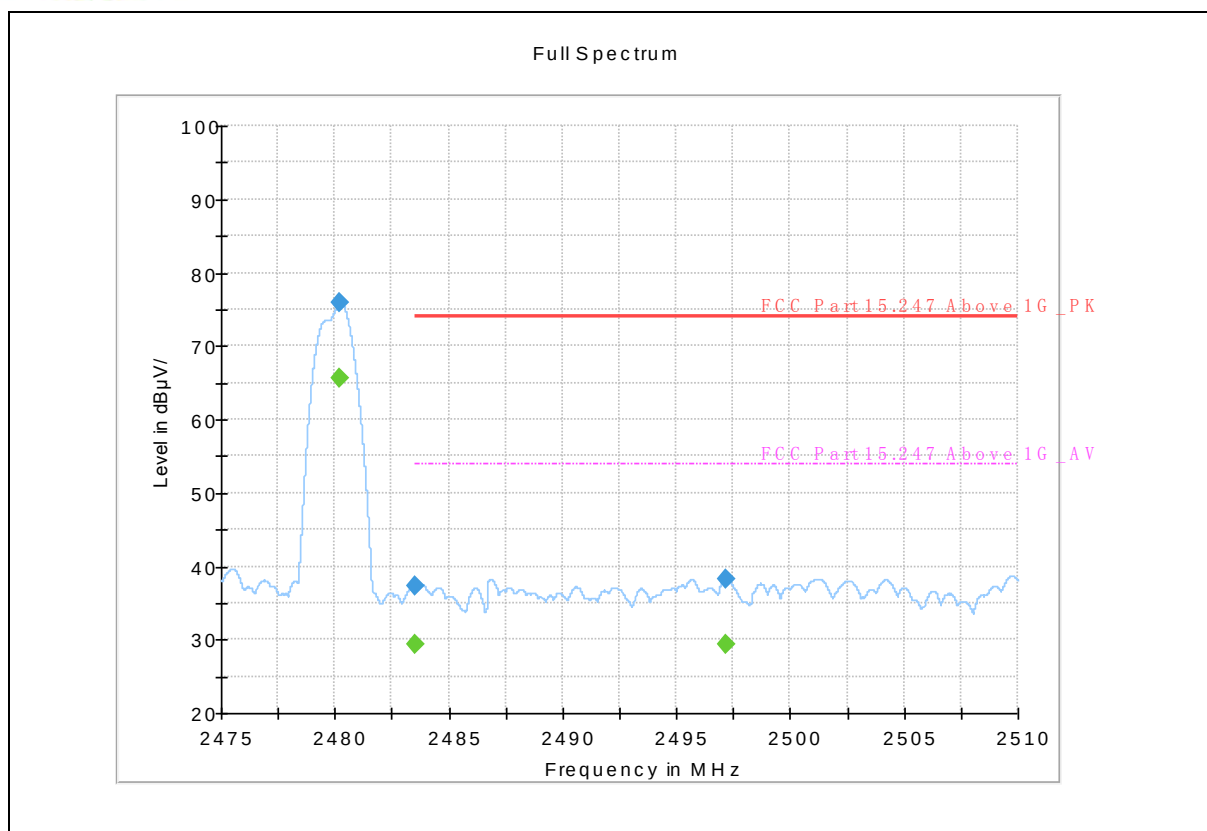
($\pi/4$ -DQPSK _2441MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2440.813333	---	83.69	---	---	H	7.9
2440.813333	88.14	---	---	---	H	7.9



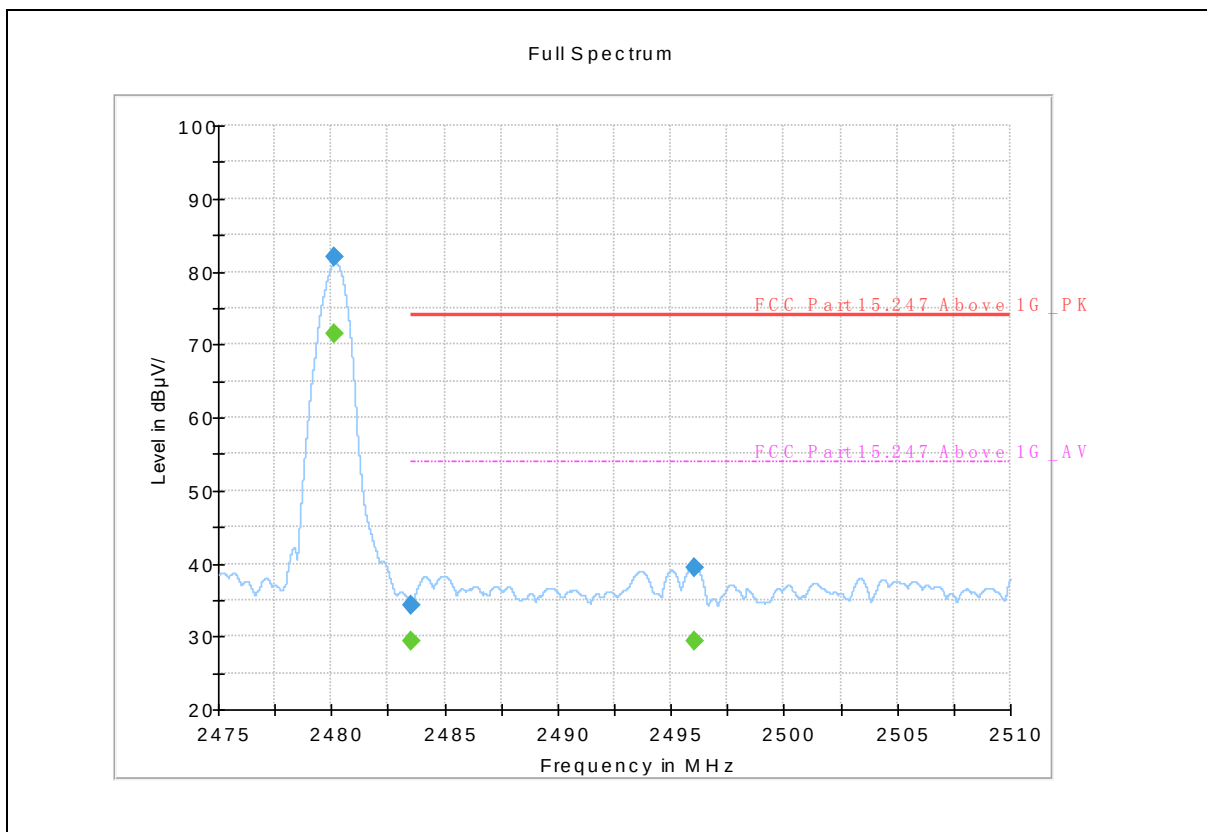
($\pi/4$ -DQPSK _2441MHz, Antenna Vertical)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2440.817778	---	82.55	---	---	V	7.9
2440.817778	86.97	---	---	---	V	7.9



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

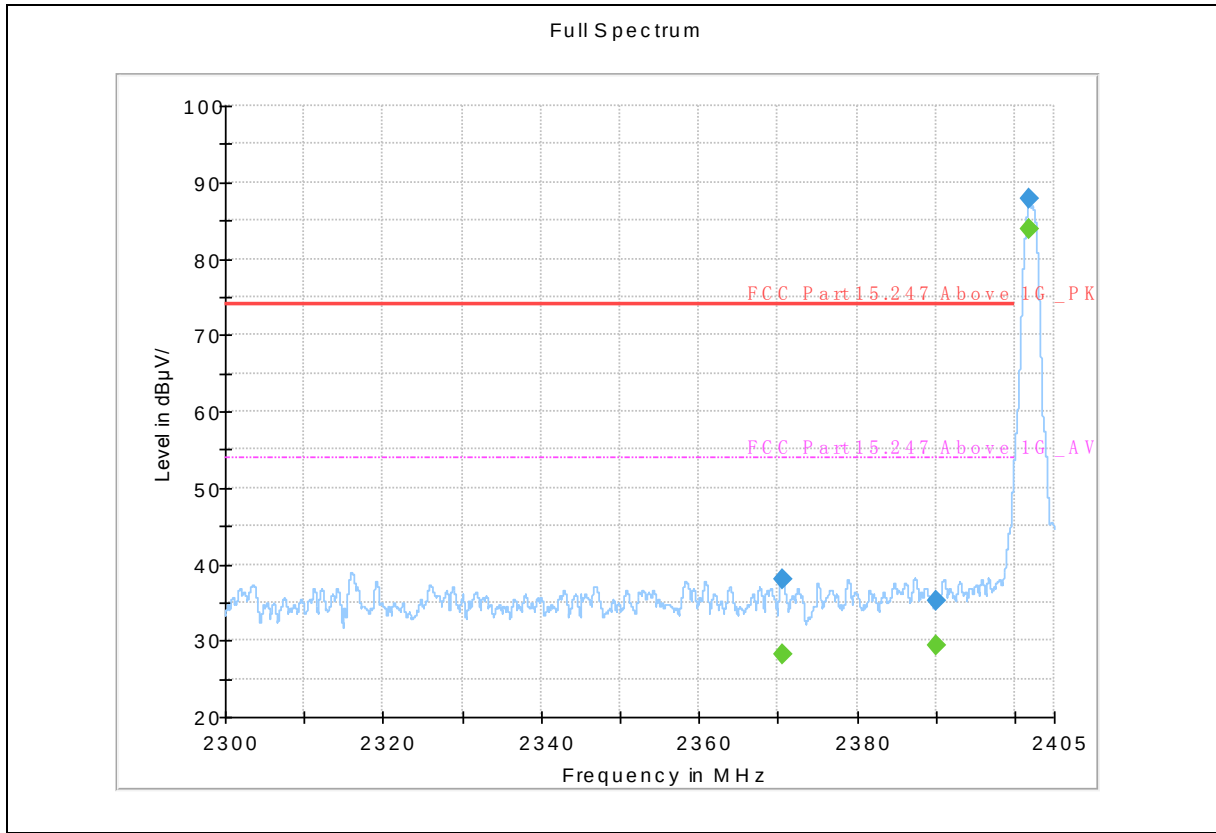
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2480.216945	---	65.52	---	---	H	8.2
2480.216945	75.80	---	---	---	H	8.2
2483.503056	37.37	---	74.00	36.63	H	8.3
2483.503056	---	29.34	54.00	24.66	H	8.3
2497.201667	38.32	---	74.00	35.68	H	8.4
2497.201667	---	29.40	54.00	24.60	H	8.4



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

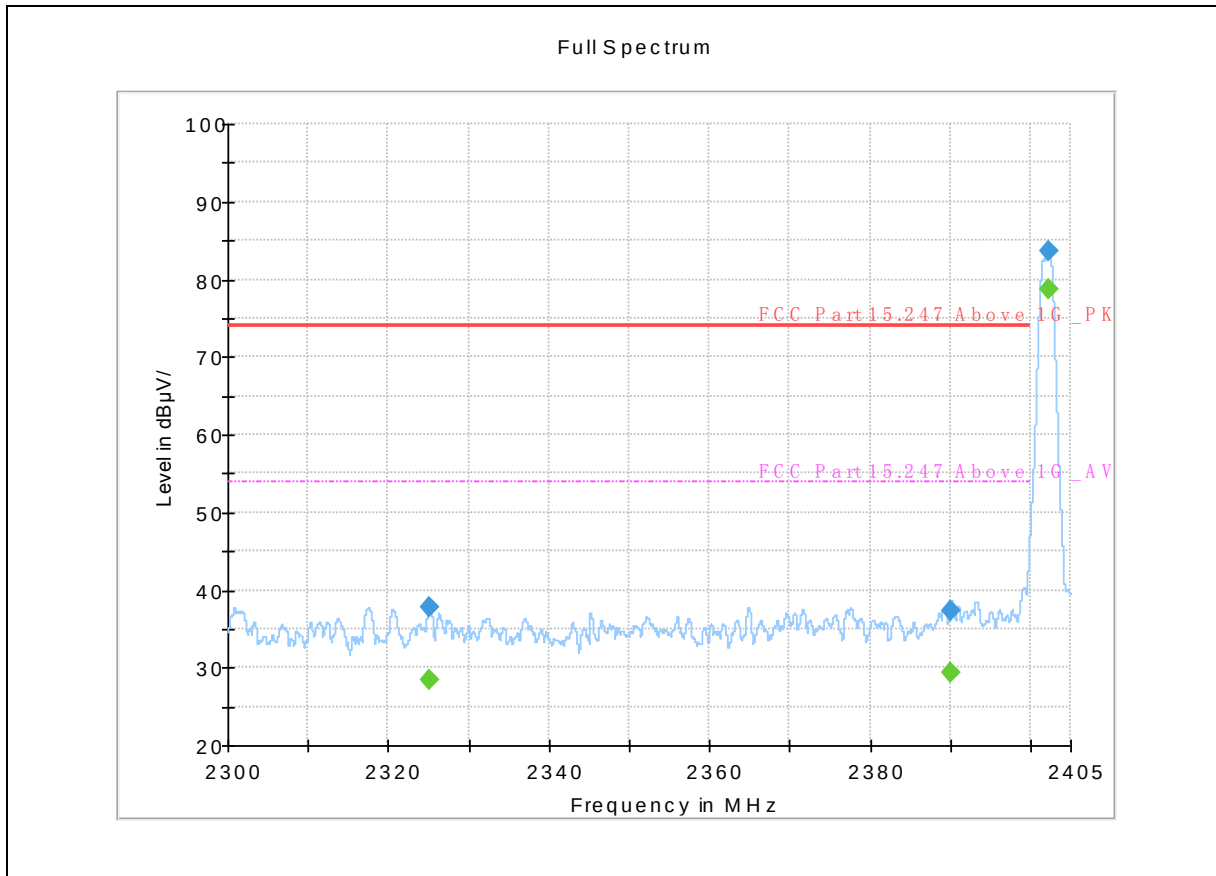
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2480.106111	---	72.53	---	---	V	8.2
2480.106111	83.89	---	---	---	V	8.2
2483.505000	34.37	---	74.00	39.63	V	8.3
2483.505000	---	29.30	54.00	24.70	V	8.3
2496.007778	39.40	---	74.00	34.60	V	8.4
2496.007778	---	29.40	54.00	24.60	V	8.4

8-DQPSK Test mode



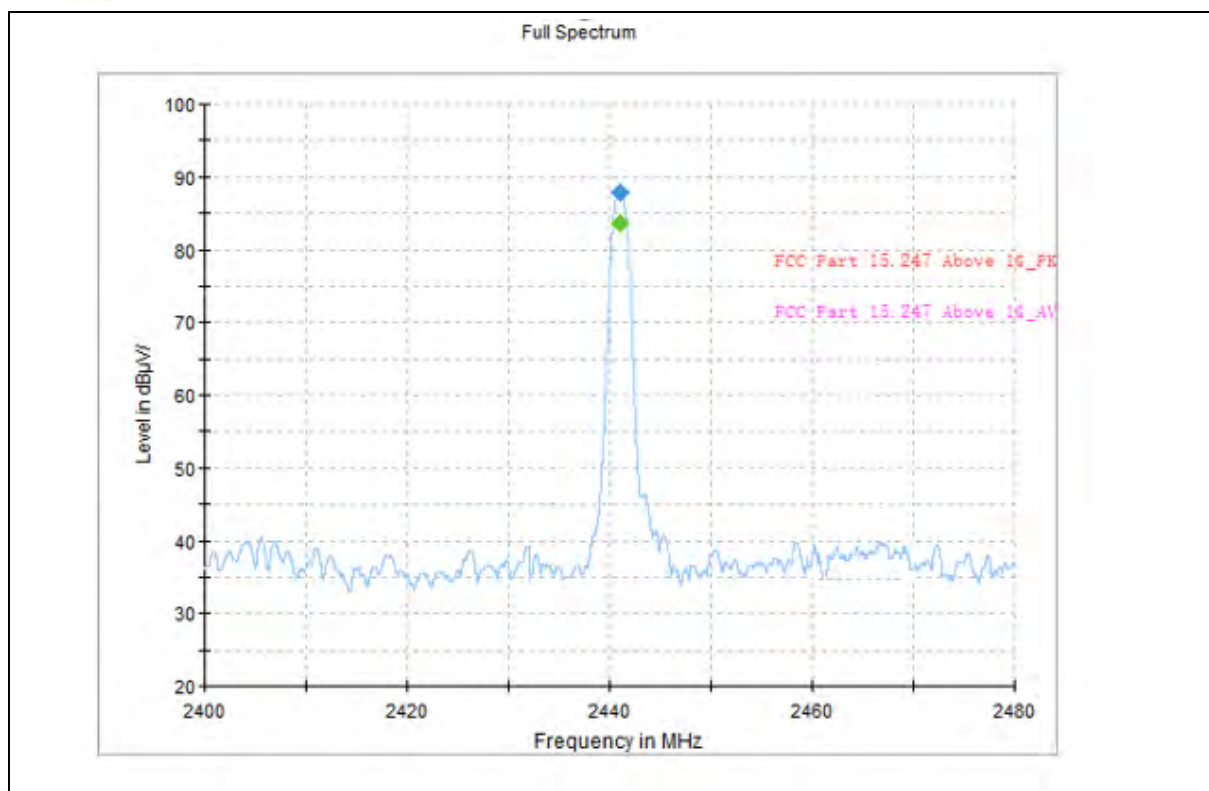
(8-DQPSK _2402MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2370.495833	38.09	---	74.00	35.91	H	7.3
2370.495833	---	28.14	54.00	25.86	H	7.3
2390.002500	---	29.39	54.00	24.61	H	8.0
2390.002500	35.16	---	74.00	38.84	H	8.0
2401.890833	87.72	---	---	---	H	8.7
2401.890833	---	83.78	---	---	H	8.7



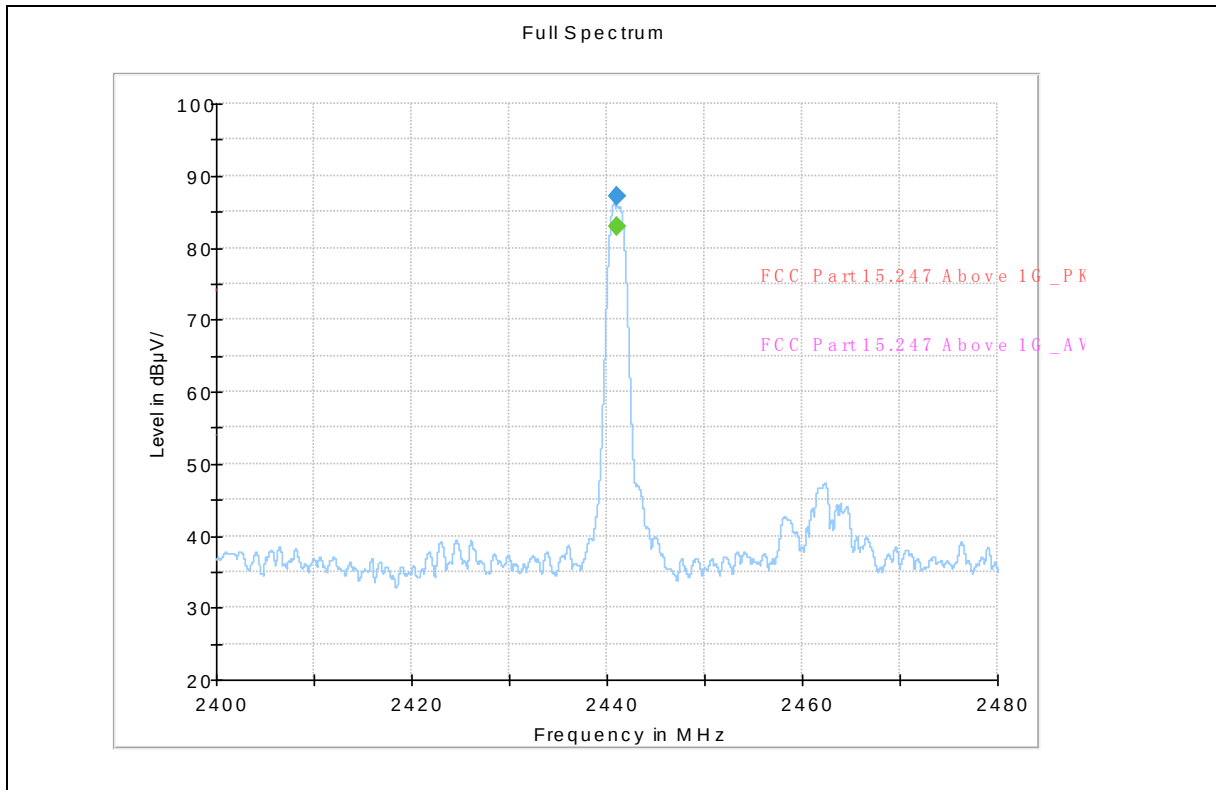
(8-DQPSK _2402MHz _2402MHz, Antenna Vertical)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2325.147500	---	28.36	54.00	25.64	V	7.3
2325.147500	37.67	---	74.00	36.33	V	7.3
2390.002500	---	29.34	54.00	24.66	V	8.0
2390.002500	37.43	---	74.00	36.57	V	8.0
2402.345833	---	78.75	---	---	V	8.7
2402.345833	83.53	---	---	---	V	8.7

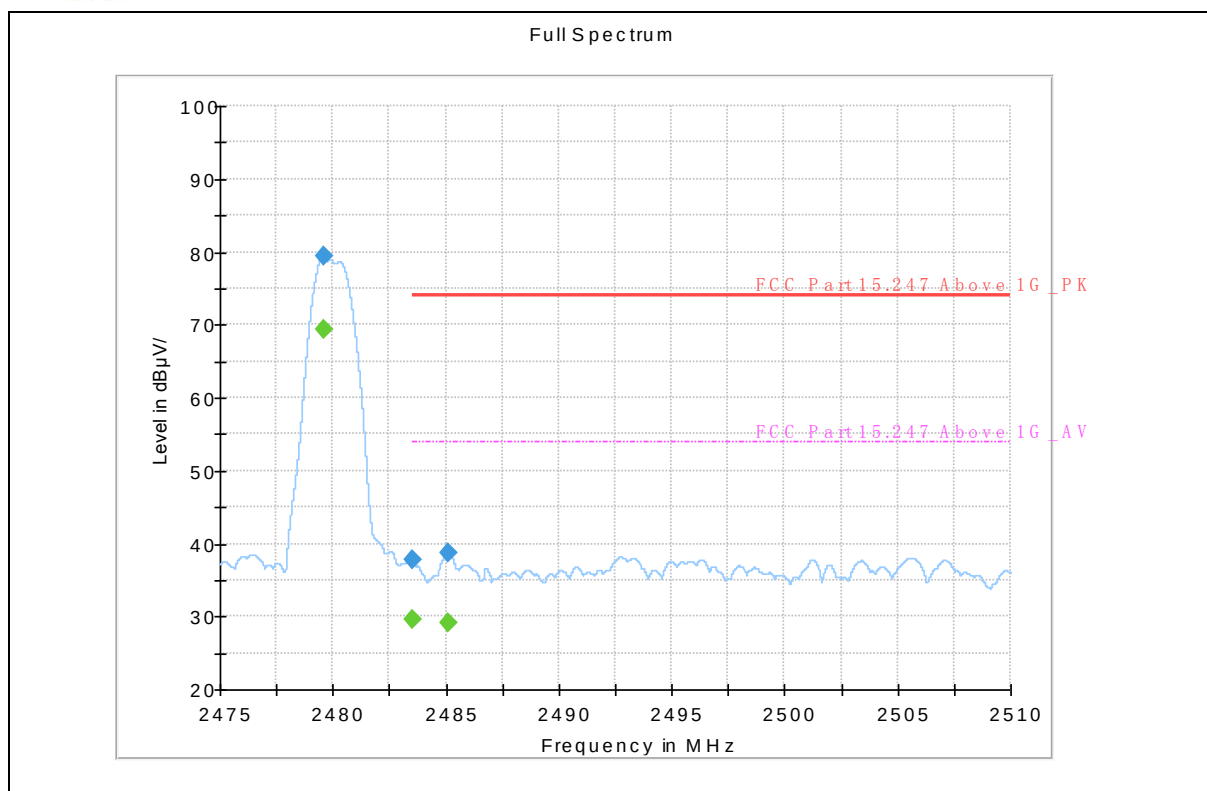


(8-DQPSK _2441MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2441.008889	---	83.73	---	---	H	7.8
2441.008889	87.94	---	---	---	H	7.8

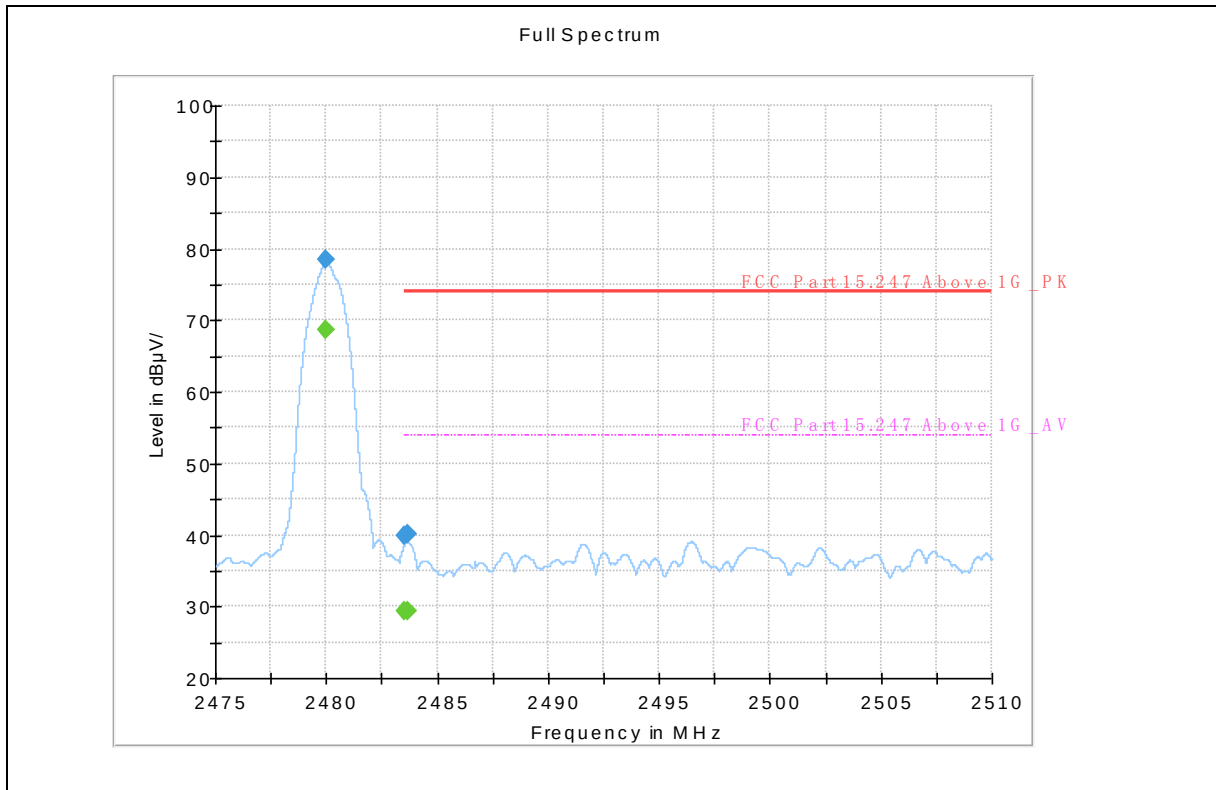


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2441.000000	---	82.87	---	---	V	7.8
2441.000000	87.05	---	---	---	V	7.8



(8-DQPSK _2480MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2479.583056	---	69.42	---	---	H	8.2
2479.583056	79.45	---	---	---	H	8.2
2483.503056	---	29.48	54.00	24.52	H	8.3
2483.503056	37.71	---	74.00	36.29	H	8.3
2485.081945	---	29.20	54.00	24.80	H	8.3
2485.081945	38.72	---	74.00	35.28	H	8.3



(8-DQPSK _2480MHz, Antenna Vertical)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2480.010833	---	68.54	---	---	V	8.2
2480.010833	78.44	---	---	---	V	8.2
2483.501111	---	29.30	54.00	24.70	V	8.3
2483.501111	39.78	---	74.00	34.22	V	8.3
2483.668333	---	29.29	54.00	24.71	V	8.3
2483.668333	40.00	---	74.00	34.00	V	8.3

2.9. Conducted Emission

2.9.1. Requirement

According to RSS-GEN section 8.8, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

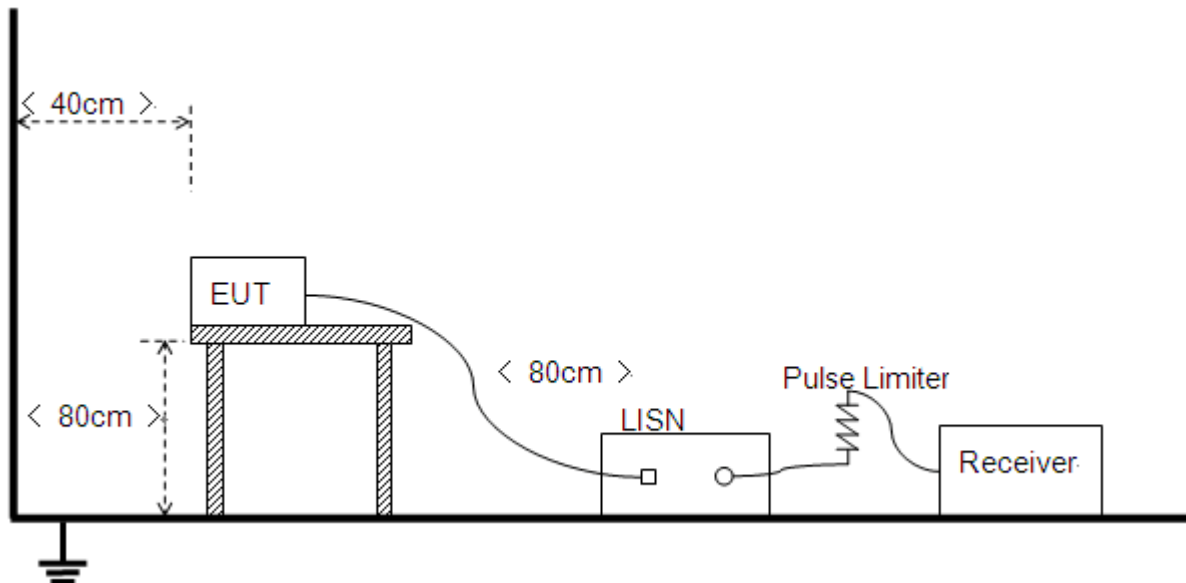
Frequency (MHz)	range	Conducted Limit (dB μ V)	
		Quai-peak	Average
0.15 - 0.50		66 to 56	56 to 46
0.50 - 5		56	46
5- 30		60	50

NOTE:

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

2.9.2. 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.

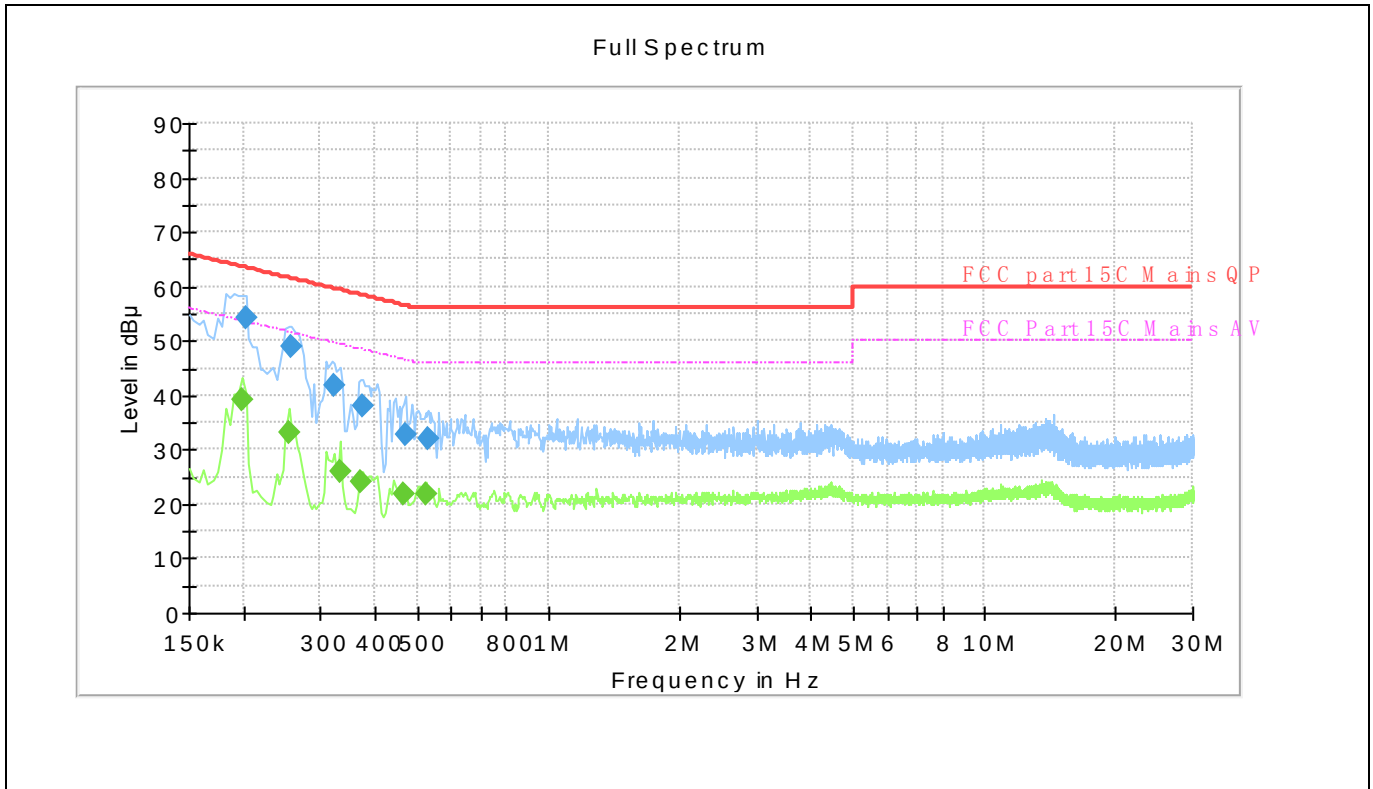
Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test setup:

The EUT configuration of the emission tests is EUT +Laptop.

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

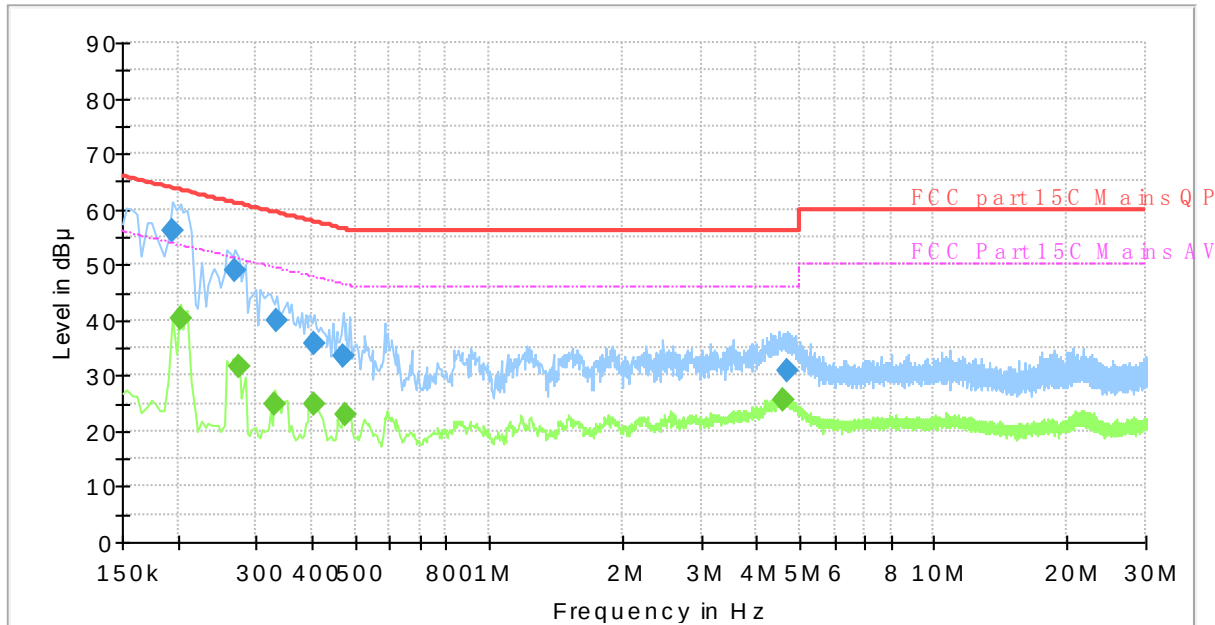
B. Test Plots:



(Plot A: L Phase)

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.198000	---	43.49	53.69	10.21	L	10.2
0.202000	58.34	---	63.53	5.19	L	10.2
0.254000	---	37.57	51.63	14.05	L	10.2
0.258000	52.68	---	61.50	8.81	L	10.2
0.322000	46.09	---	59.66	13.57	L	10.2
0.334000	---	31.56	49.35	17.79	L	10.2
0.370000	---	26.05	48.50	22.45	L	10.2
0.374000	43.04	---	58.41	15.37	L	10.2
0.466000	---	23.75	46.59	22.83	L	10.2
0.470000	39.91	---	56.51	16.60	L	10.2
0.522000	---	23.93	46.00	22.07	L	10.2
0.530000	37.25	---	56.00	18.75	L	10.2

Full Spectrum



(Plot A: N Phase)

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.194000	61.52	---	63.86	2.35	N	10.2
0.202000	---	42.91	53.53	10.62	N	10.2
0.270000	52.67	---	61.12	8.45	N	10.2
0.274000	---	33.66	51.00	17.34	N	10.2
0.330000	---	27.38	49.45	22.07	N	10.2
0.334000	44.47	---	59.35	14.88	N	10.2
0.406000	41.11	---	57.73	16.62	N	10.2
0.406000	---	25.76	47.73	21.97	N	10.2
0.470000	41.33	---	56.51	15.18	N	10.2
0.478000	---	23.96	46.37	22.41	N	10.2
4.570000	---	26.70	46.00	19.30	N	10.4
4.714000	38.04	---	56.00	17.96	N	10.4

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:

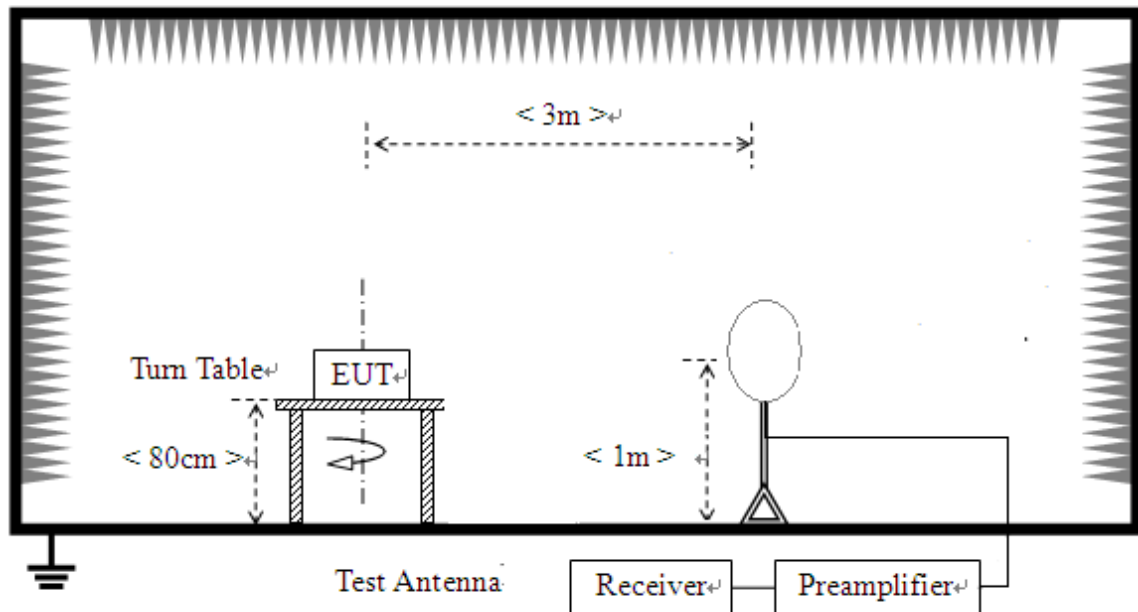
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength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

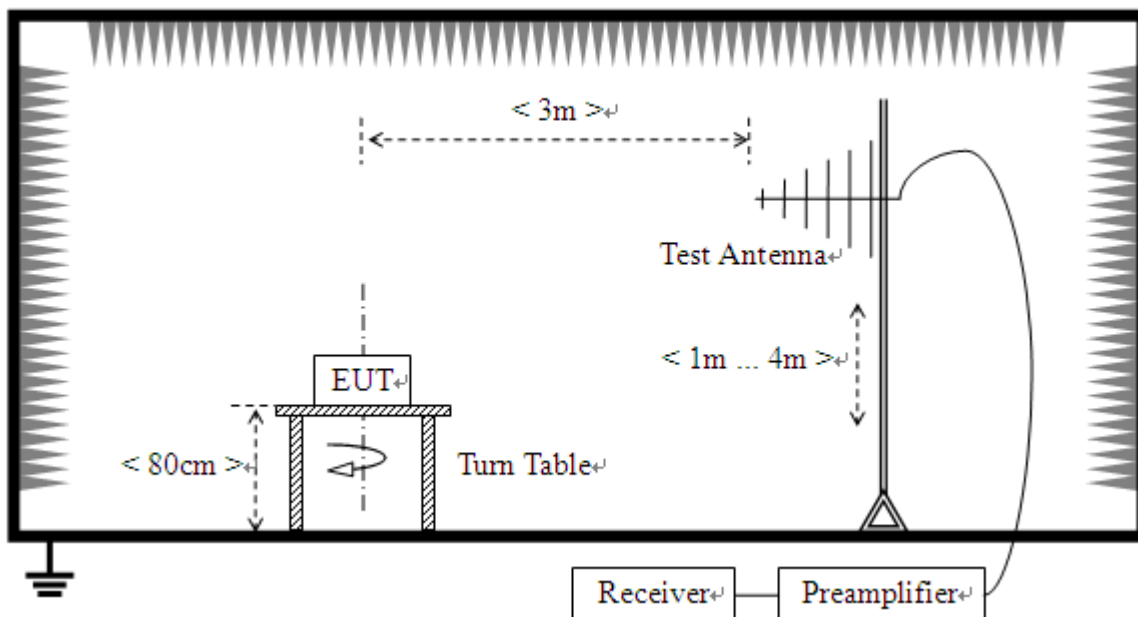
2.10.2. Test Description

A. Test Setup:

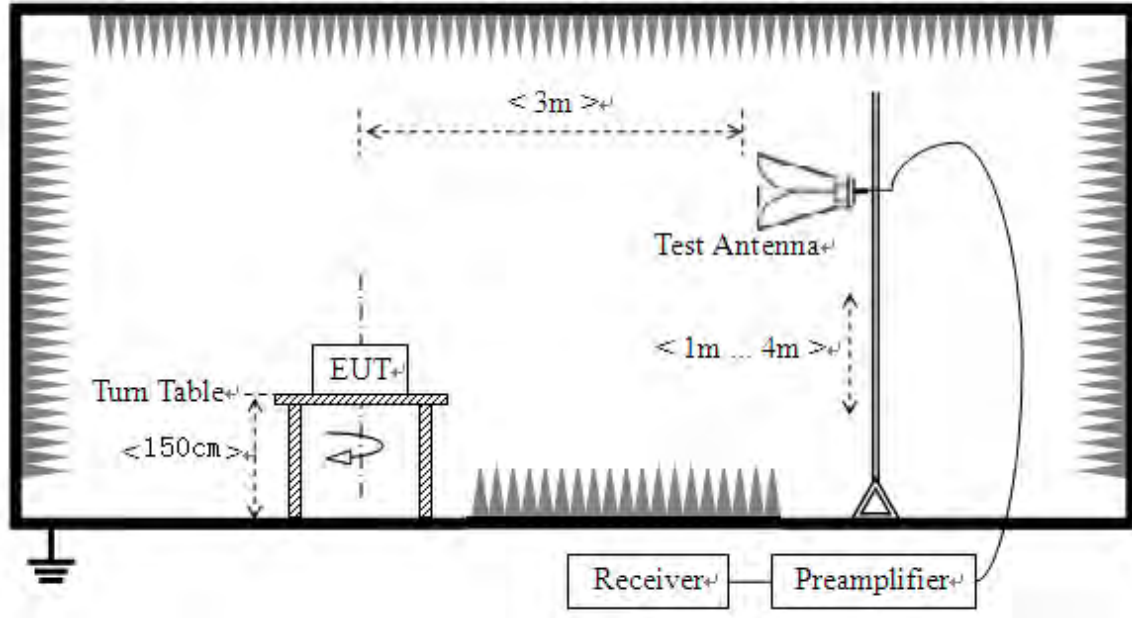
- 1) For radiated emissions from 9kHz to 30MHz



- 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 the Test Antenna:

- In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Place the test antenna at 3m away from area of the EUT, while keeping the test antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The test antenna may have to be

higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final test antenna elevation shall be that which maximizes the emissions. The test antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. The emission levels at both horizontal and vertical polarizations should be tested.

B. Equipments List:

C. Please refer ANNEX B(4).

2.10.3. Test Result

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak limit, it is unnecessary to perform a quasi-peak measurement.

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

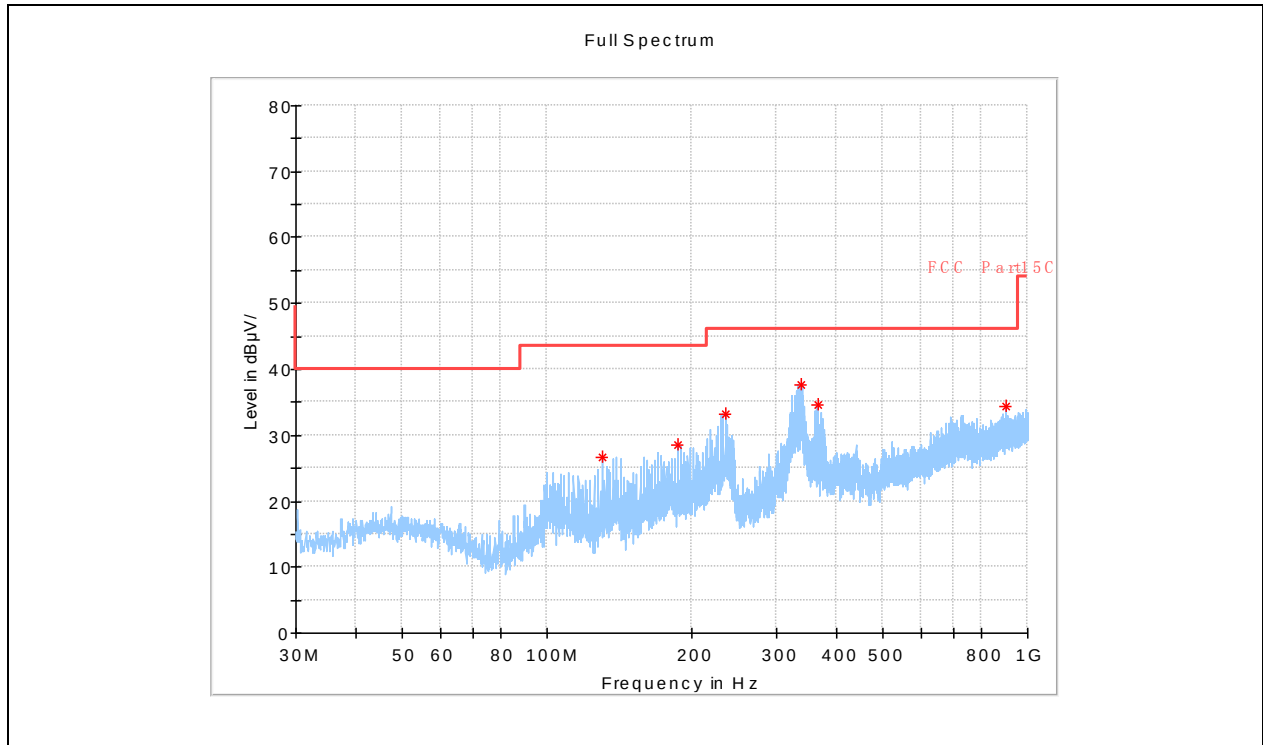
During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

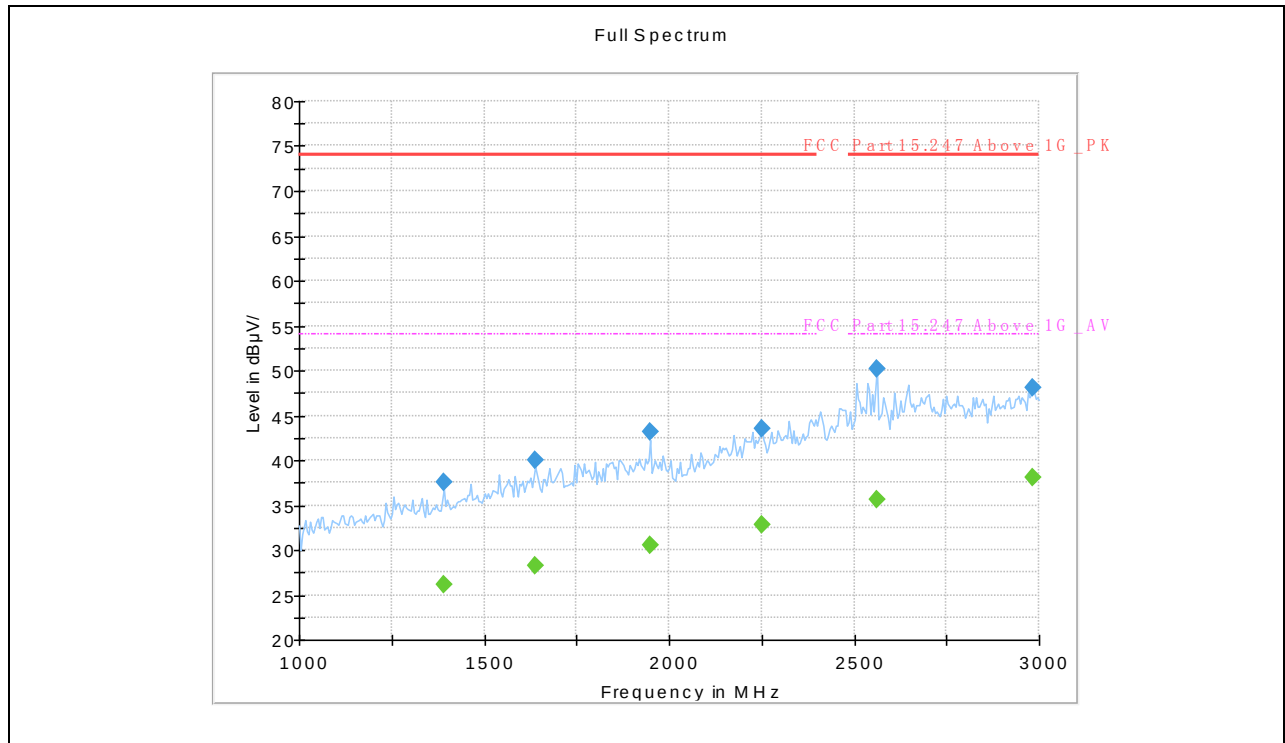
Note2: For the frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 25GHz to 40GHz, was pre-scanned and the result which was 10dB lower than the limit was not recorded.

GFSK Test mode

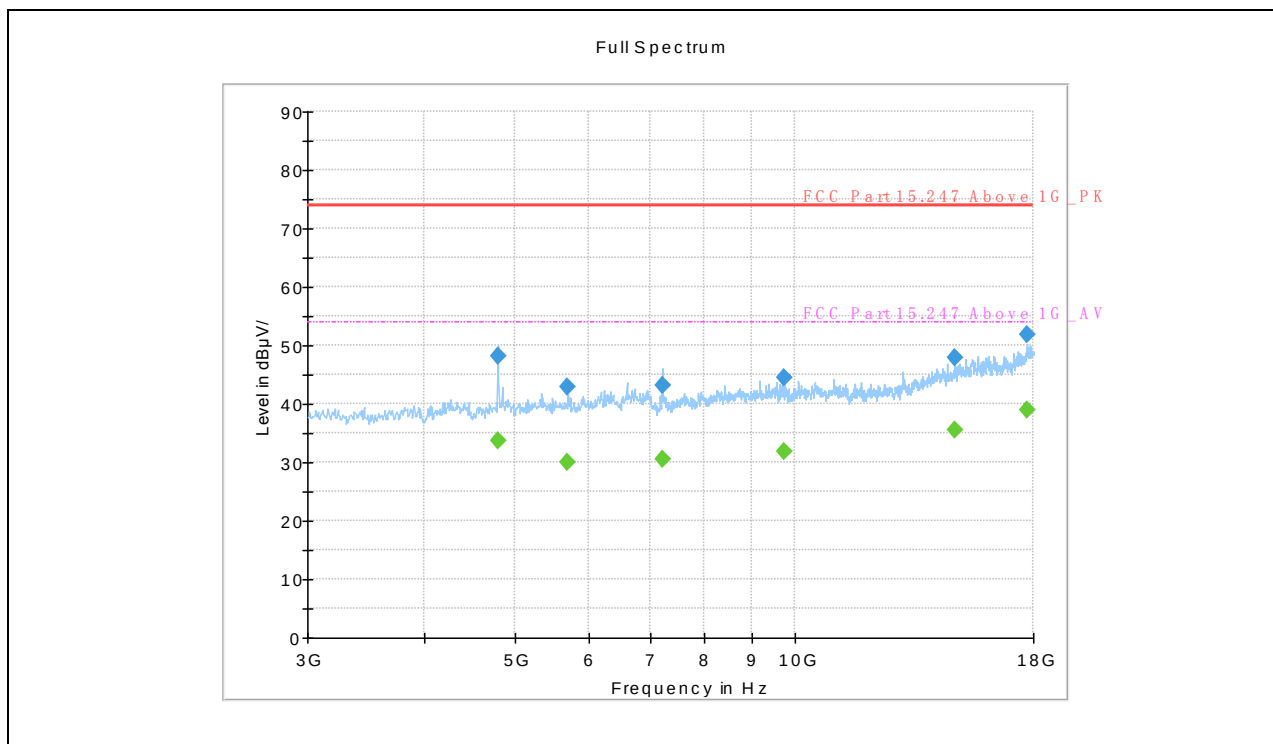


Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
130.448889	26.69	---	43.50	16.81	H	12.1
187.247778	28.46	---	43.50	15.04	H	12.8
235.101111	33.24	---	46.00	12.76	H	14.6
339.052778	37.74	---	46.00	8.26	H	18.1
365.458333	34.65	---	46.00	11.35	H	18.0
902.515000	34.40	---	46.00	11.60	H	28.1



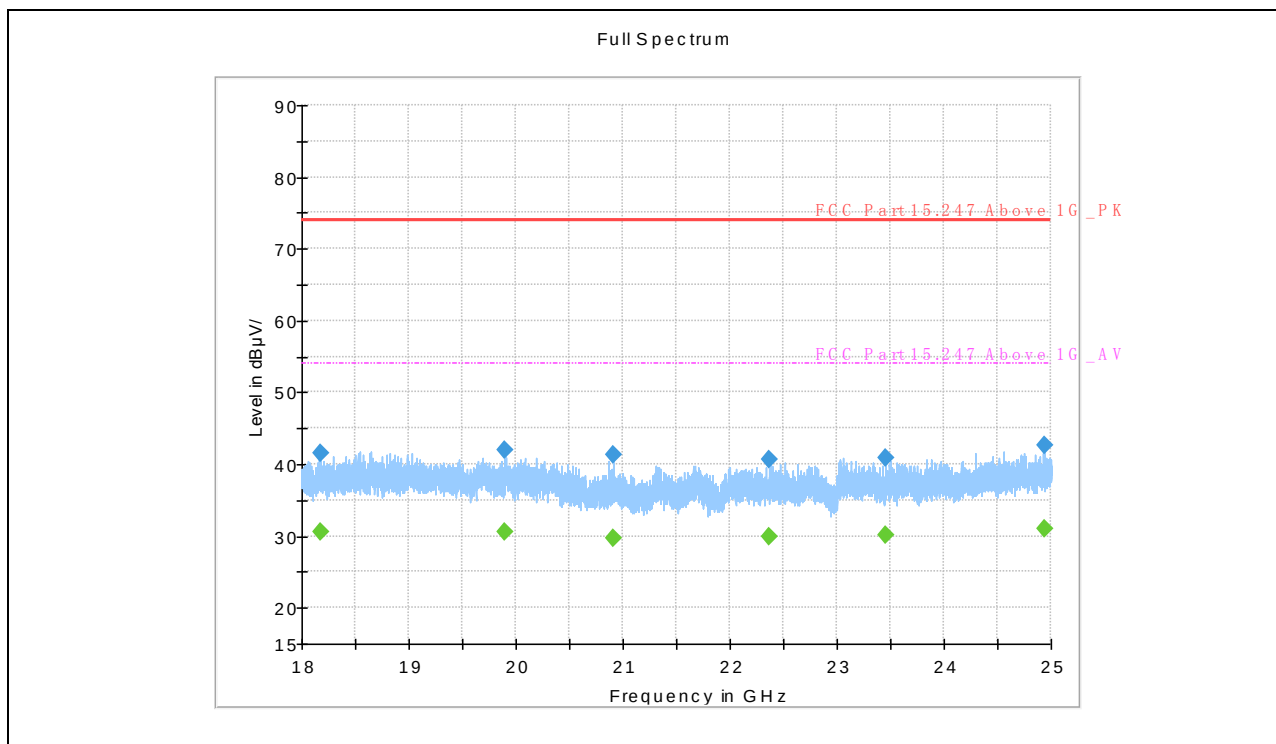
(GFSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1390.000000	---	26.16	54.00	27.84	H	0.8
1390.000000	37.49	---	74.00	36.51	H	0.8
1640.000000	---	28.27	54.00	25.73	H	3.4
1640.000000	40.02	---	74.00	33.98	H	3.4
1950.000000	---	30.47	54.00	23.53	H	6.6
1950.000000	43.08	---	74.00	30.92	H	6.6
2250.000000	43.45	---	74.00	30.55	H	9.8
2250.000000	---	32.82	54.00	21.18	H	9.8
2560.000000	---	35.65	54.00	18.35	H	14.0
2560.000000	50.26	---	74.00	23.74	H	14.0
2985.000000	48.14	---	74.00	25.86	H	16.4
2985.000000	---	38.11	54.00	15.89	H	16.4



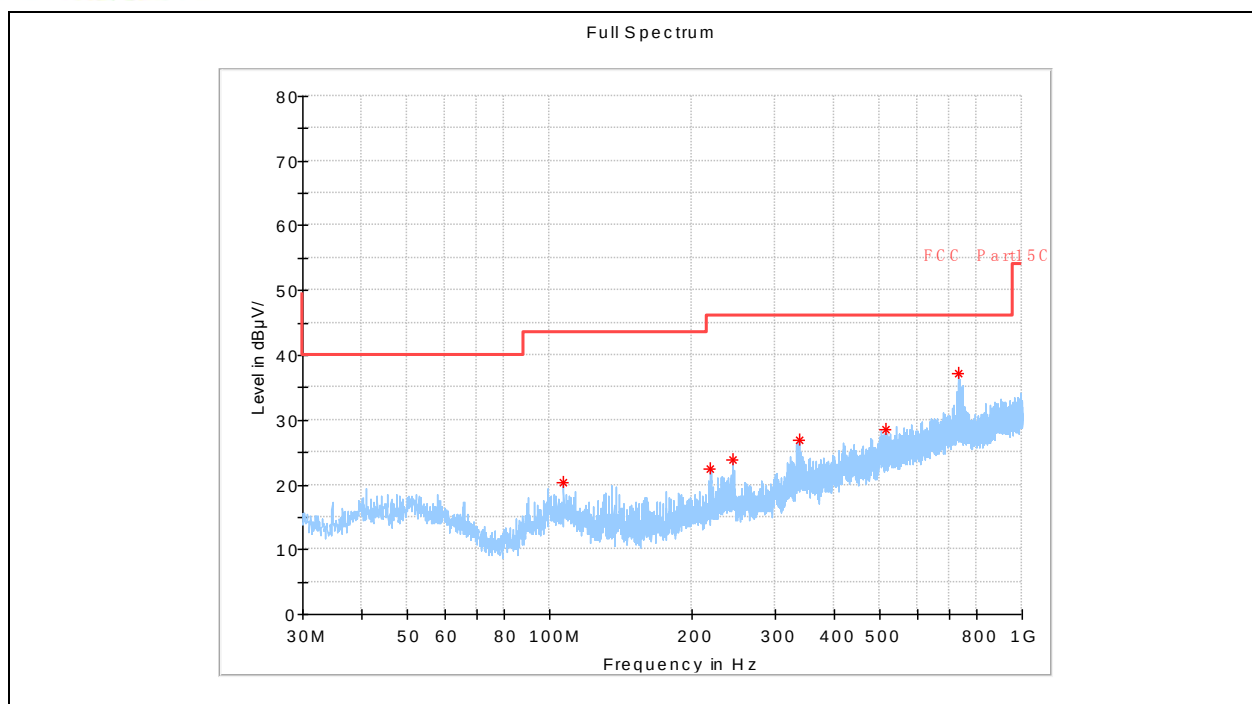
(GFSK _2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	48.25	---	74.00	25.75	H	-3.4
4800.000000	---	33.65	54.00	20.35	H	-3.4
5707.500000	---	30.02	54.00	23.98	H	-2.5
5707.500000	43.00	---	74.00	31.00	H	-2.5
7207.500000	---	30.64	54.00	23.36	H	-0.4
7207.500000	43.22	---	74.00	30.78	H	-0.4
9750.000000	44.37	---	74.00	29.63	H	2.0
9750.000000	---	31.90	54.00	22.10	H	2.0
14827.500000	---	35.40	54.00	18.60	H	8.9
14827.500000	47.81	---	74.00	26.19	H	8.9
17700.000000	---	38.83	54.00	15.17	H	14.2
17700.000000	51.94	---	74.00	22.06	H	14.2



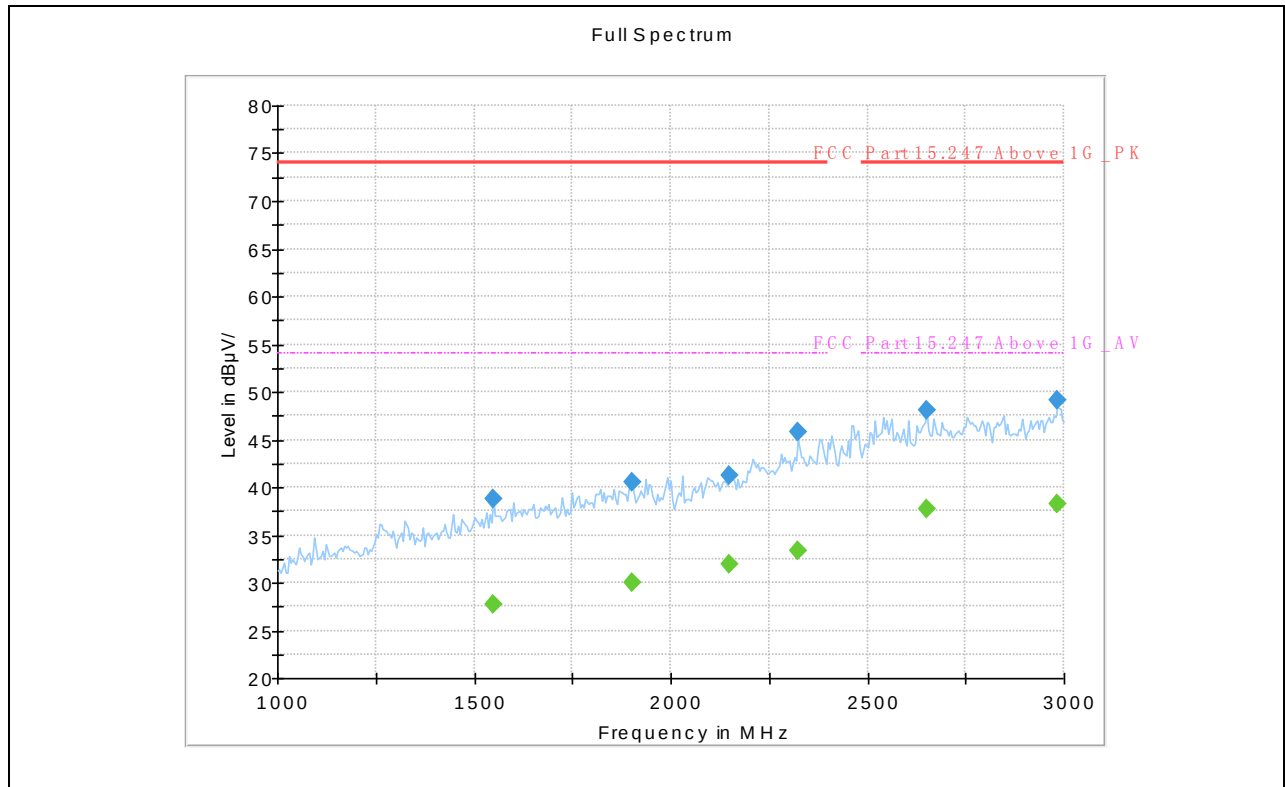
(GFSK_2402MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18173.833333	41.47	---	74.00	32.53	H	-5.5
18173.833333	---	30.48	54.00	23.52	H	-5.5
19904.388889	---	30.50	54.00	23.50	H	-5.0
19904.388889	41.92	---	74.00	32.08	H	-5.0
20906.555556	---	29.68	54.00	24.32	H	-5.1
20906.555556	41.21	---	74.00	32.79	H	-5.1
22374.222222	40.72	---	74.00	33.28	H	-4.9
22374.222222	---	29.87	54.00	24.13	H	-4.9
23462.722222	40.90	---	74.00	33.10	H	-4.9
23462.722222	---	30.14	54.00	23.86	H	-4.9
24940.500000	42.60	---	74.00	31.40	H	-4.8
24940.500000	---	31.08	54.00	22.92	H	-4.8



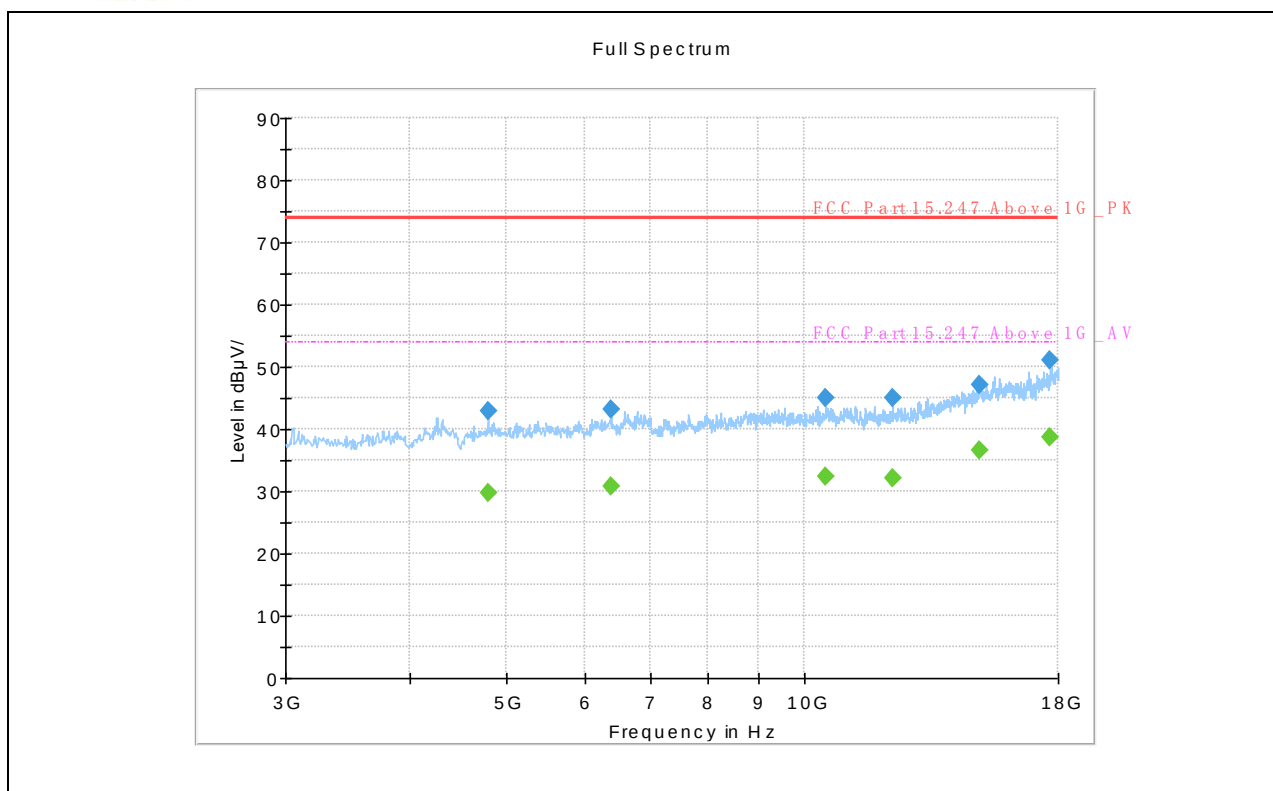
(GFSK _2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
107.115000	20.32	---	43.50	23.18	V	14.4
219.311667	22.52	---	46.00	23.48	V	14.6
244.100556	23.97	---	46.00	22.03	V	14.9
336.843333	26.98	---	46.00	19.02	V	17.8
514.784444	28.46	---	46.00	17.54	V	22.0
730.825000	37.16	---	46.00	8.84	V	25.4



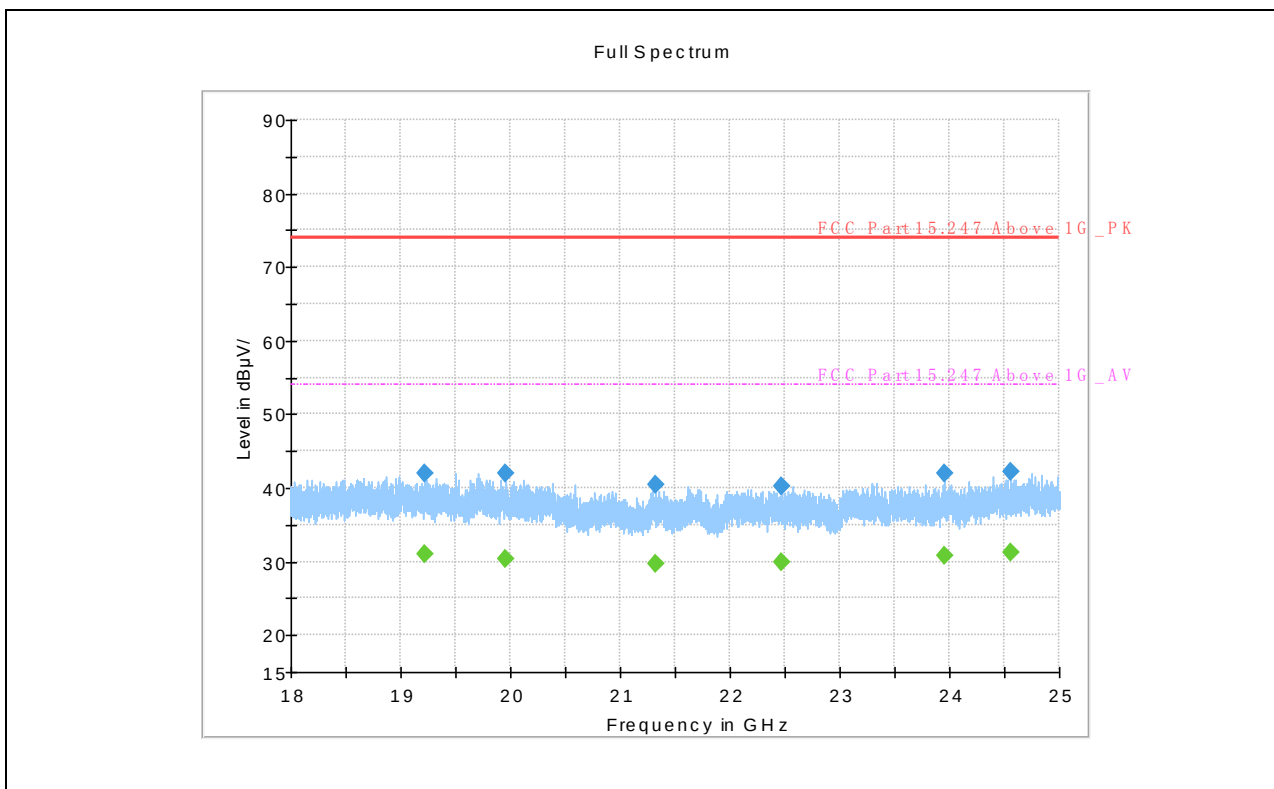
(GFSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1550.000000	38.84	---	74.00	35.16	V	2.9
1550.000000	---	27.75	54.00	26.25	V	2.9
1900.000000	---	30.04	54.00	23.96	V	6.2
1900.000000	40.47	---	74.00	33.53	V	6.2
2150.000000	41.21	---	74.00	32.79	V	8.2
2150.000000	---	31.86	54.00	22.14	V	8.2
2325.000000	45.79	---	74.00	27.21	V	11.1
2325.000000	---	33.29	54.00	20.71	V	11.1
2650.000000	---	37.74	54.00	16.26	V	15.6
2650.000000	48.03	---	74.00	25.97	V	15.6
2985.000000	49.19	---	74.00	24.81	V	16.4
2985.000000	---	38.17	54.00	15.83	V	16.4



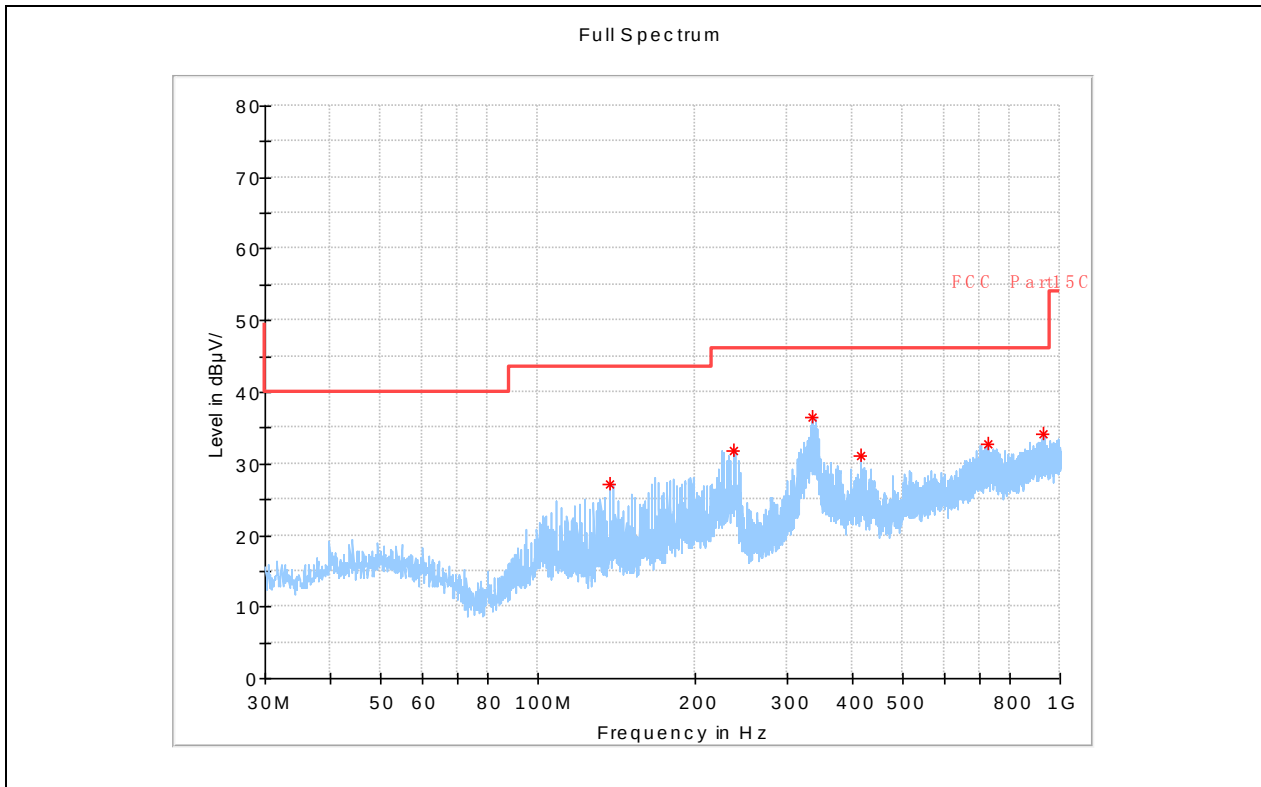
(GFSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	42.86	---	74.00	31.14	V	-3.4
4800.000000	---	29.66	54.00	24.34	V	-3.4
6390.000000	---	30.87	54.00	23.13	V	-1.3
6390.000000	43.03	---	74.00	30.97	V	-1.3
10492.50000	45.00	---	74.00	29.00	V	2.7
10492.50000	---	32.50	54.00	21.50	V	2.7
12255.00000	44.95	---	74.00	29.05	V	4.0
12255.00000	---	32.03	54.00	21.97	V	4.0
15015.00000	---	36.61	54.00	17.39	V	10.8
15015.00000	47.15	---	74.00	26.85	V	10.8
17692.50000	51.03	---	74.00	22.97	V	14.1
17692.50000	---	38.58	54.00	15.42	V	14.1



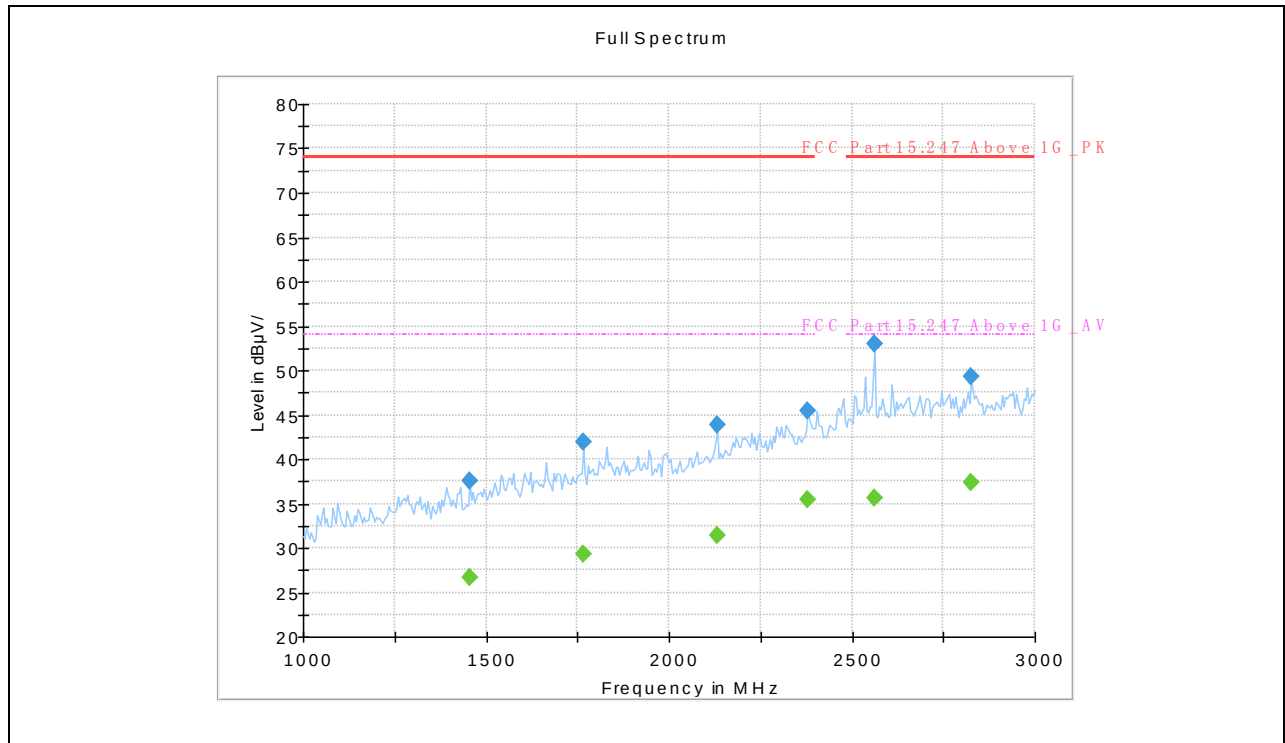
(GFSK _2402MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
19216.833333	41.90	---	74.00	32.10	V	-5.4
19216.833333	---	30.91	54.00	23.09	V	-5.4
19963.111111	42.06	---	74.00	31.94	V	-5.0
19963.111111	---	30.33	54.00	23.67	V	-5.0
21324.222222	40.49	---	74.00	33.51	V	-4.9
21324.222222	---	29.60	54.00	24.40	V	-4.9
22477.666667	---	29.92	54.00	24.08	V	-4.9
22477.666667	40.16	---	74.00	33.84	V	-4.9
23951.555556	---	30.71	54.00	23.29	V	-4.7
23951.555556	42.05	---	74.00	31.95	V	-4.7
24565.611111	42.19	---	74.00	31.81	V	-4.6
24565.611111	---	31.27	54.00	22.73	V	-4.6



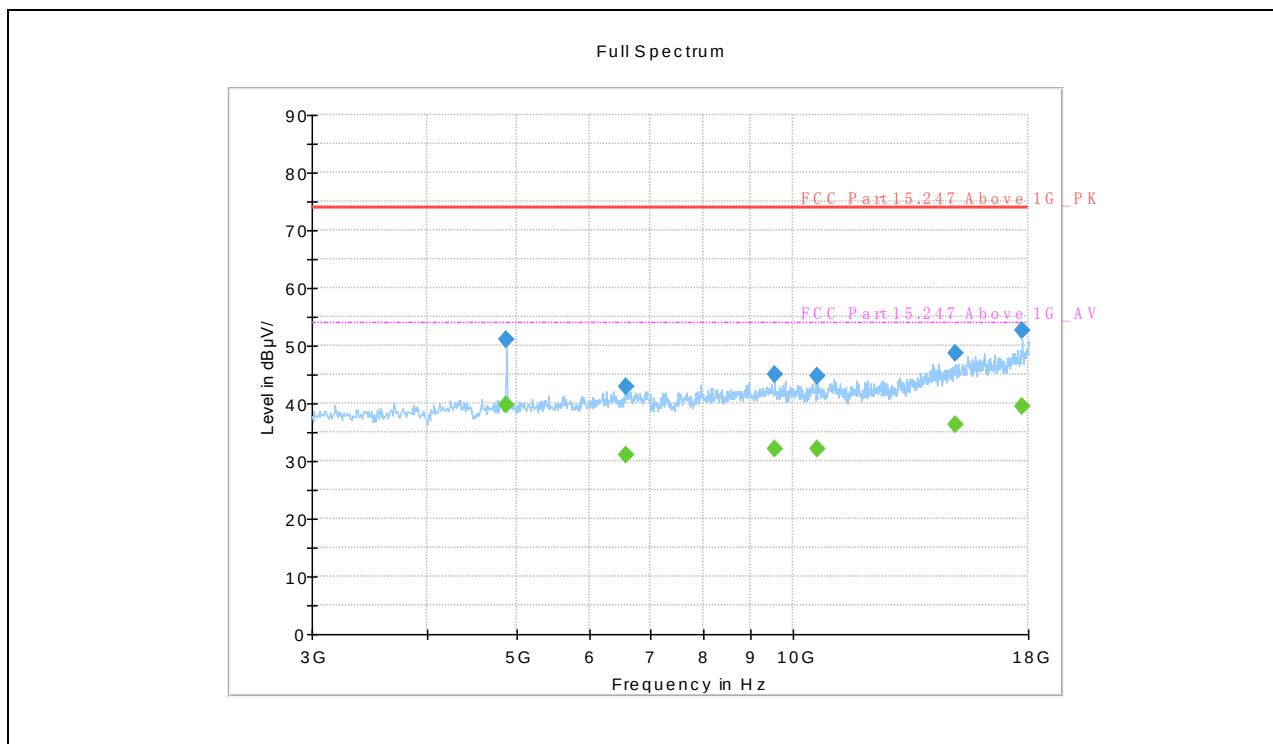
(GFSK _2441MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
136.969444	27.02	---	43.50	16.48	H	11.1
236.448333	31.77	---	46.00	14.23	H	14.8
335.873333	36.38	---	46.00	9.62	H	17.6
416.652778	31.09	---	46.00	14.91	H	19.8
729.154444	32.84	---	46.00	13.16	H	25.3
929.136111	34.12	---	46.00	11.88	H	28.1



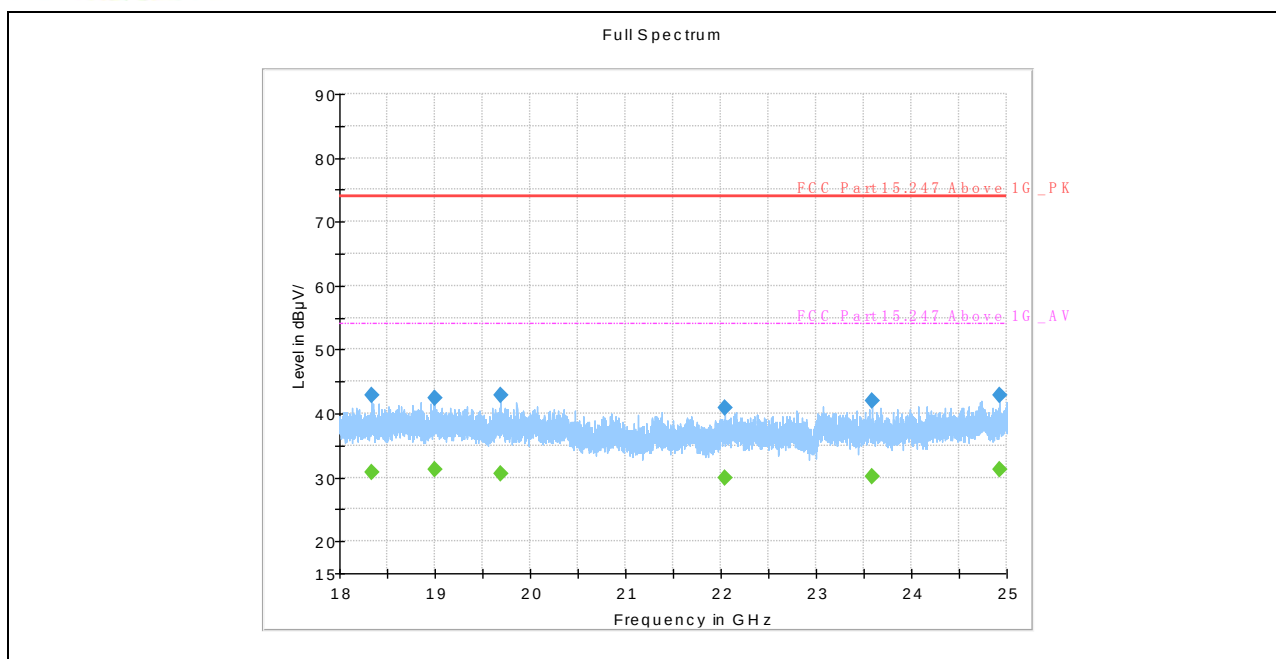
(GFSK _2441MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1455.000000	---	26.66	54.00	27.34	H	1.4
1455.000000	37.57	---	74.00	36.43	H	1.4
1765.000000	41.98	---	74.00	32.02	H	5.1
1765.000000	---	29.38	54.00	24.62	H	5.1
2130.000000	43.90	---	74.00	30.10	H	8.2
2130.000000	---	31.49	54.00	22.51	H	8.2
2380.000000	---	35.46	54.00	18.54	H	12.0
2380.000000	45.46	---	74.00	28.54	H	12.0
2560.000000	52.94	---	74.00	21.06	H	14.0
2560.000000	---	35.69	54.00	18.31	H	14.0
2825.000000	49.34	---	74.00	24.66	H	15.1
2825.000000	---	37.33	54.00	16.67	H	15.1



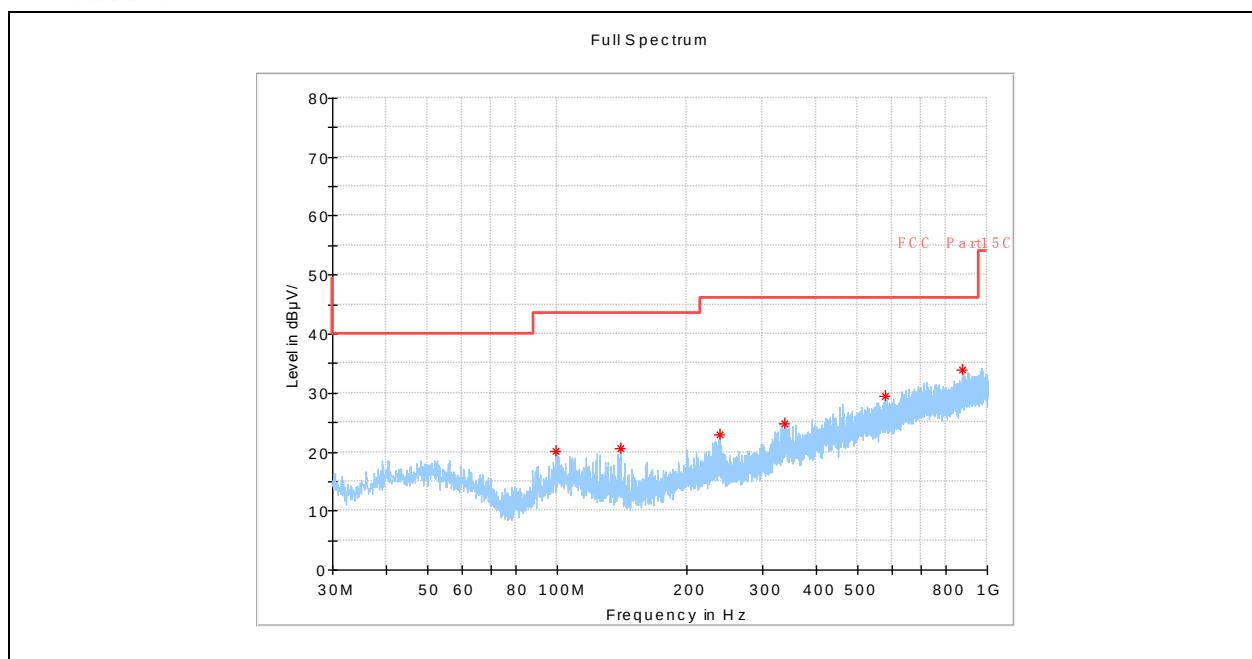
(GFSK _2441MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	51.10	---	74.00	22.90	H	-2.8
4882.500000	---	39.86	54.00	14.14	H	-2.8
6570.000000	---	30.92	54.00	23.08	H	-1.3
6570.000000	43.02	---	74.00	30.98	H	-1.3
9540.000000	---	32.12	54.00	21.88	H	2.1
9540.000000	44.89	---	74.00	29.11	H	2.1
10627.50000	44.85	---	74.00	29.15	H	2.6
10627.50000	---	32.11	54.00	21.89	H	2.6
14977.50000	---	36.34	54.00	17.66	H	10.1
14977.50000	48.76	---	74.00	25.24	H	10.1
17722.50000	---	39.38	54.00	14.62	H	14.7
17722.50000	52.65	---	74.00	21.35	H	14.7



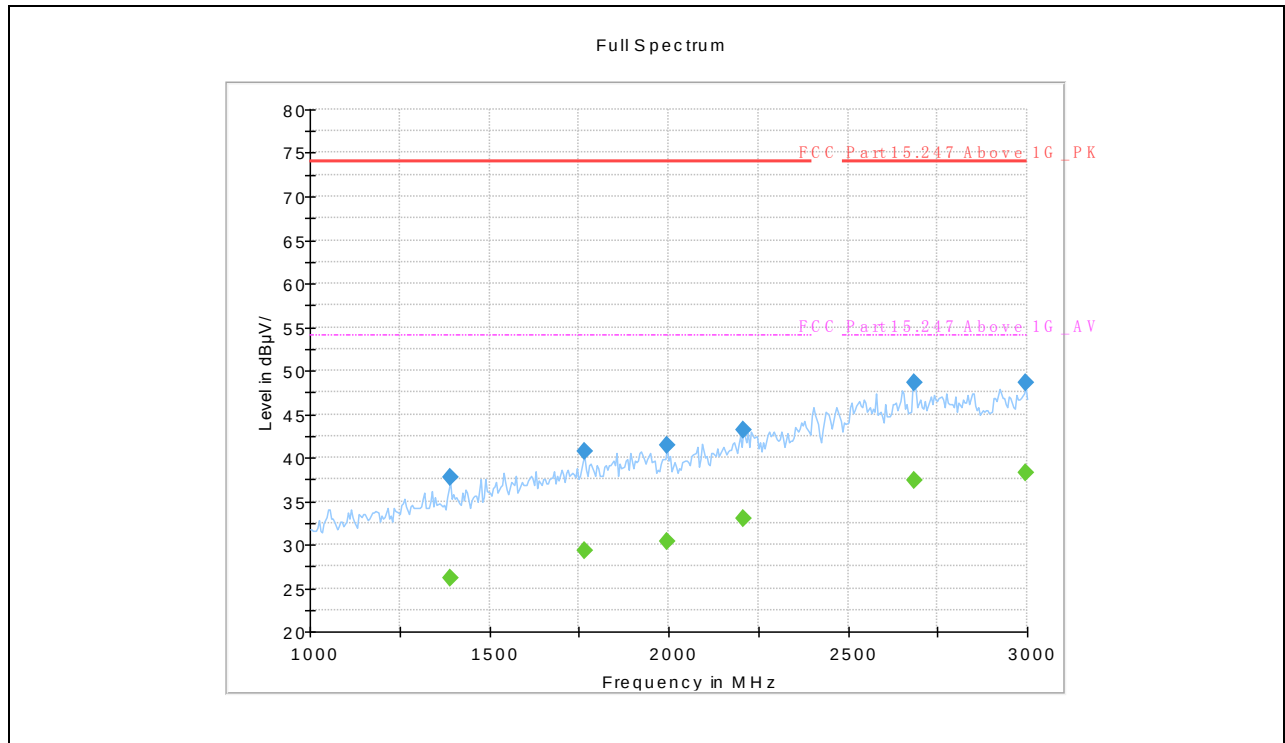
(GFSK _2441MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18334.444444	42.92	---	74.00	31.08	H	-5.4
18334.444444	---	30.71	54.00	23.29	H	-5.4
19004.888889	42.51	---	74.00	31.49	H	-5.3
19004.888889	---	31.31	54.00	22.69	H	-5.3
19696.722222	---	30.47	54.00	23.53	H	-5.3
19696.722222	42.94	---	74.00	31.06	H	-5.3
22041.333333	---	29.96	54.00	24.04	H	-5.1
22041.333333	40.90	---	74.00	33.10	H	-5.1
23587.944444	41.95	---	74.00	32.05	H	-5.0
23587.944444	---	30.03	54.00	23.97	H	-5.0
24932.722222	42.91	---	74.00	31.09	H	-4.8
24932.722222	---	31.12	54.00	22.88	H	-4.8



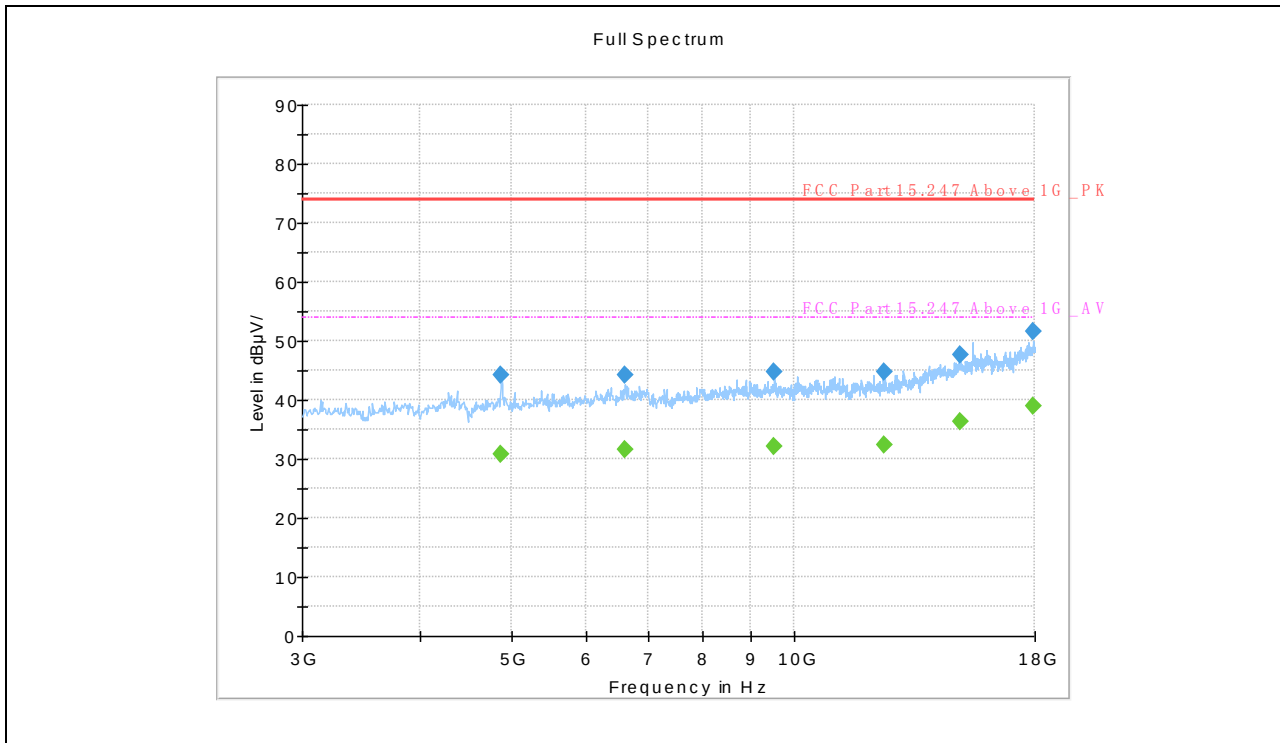
(GFSK _2441MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
99.301111	20.14	---	43.50	23.36	V	14.6
140.633889	20.56	---	43.50	22.94	V	11.9
238.657778	22.90	---	46.00	23.10	V	15.0
338.621667	24.86	---	46.00	21.14	V	18.1
579.397222	29.38	---	46.00	16.62	V	23.1
877.079444	33.96	---	46.00	12.04	V	27.5



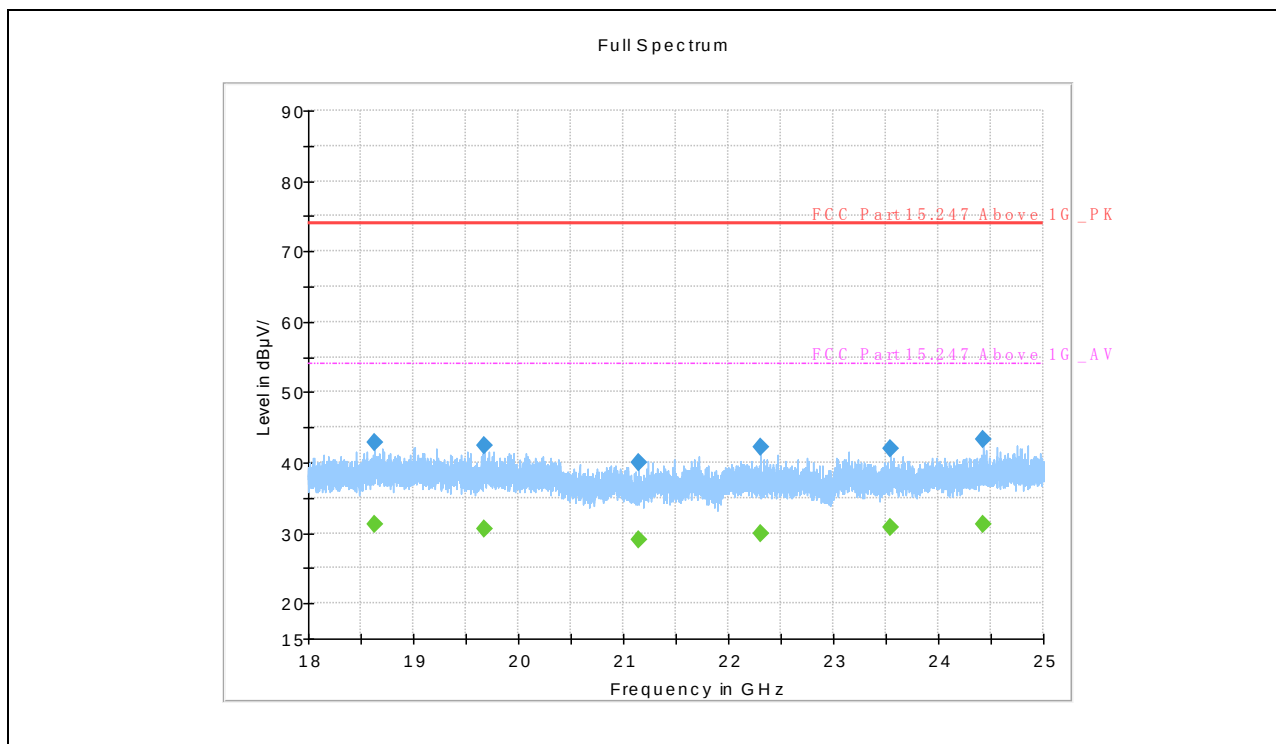
(GFSK _2441MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1390.000000	---	26.16	54.00	27.84	V	0.8
1390.000000	37.65	---	74.00	36.35	V	0.8
1765.000000	---	29.37	54.00	24.63	V	5.1
1765.000000	40.73	---	74.00	33.27	V	5.1
1995.000000	41.35	---	74.00	32.65	V	6.5
1995.000000	---	30.36	54.00	23.64	V	6.5
2210.000000	43.23	---	74.00	30.77	V	9.4
2210.000000	---	32.95	54.00	21.05	V	9.4
2685.000000	48.55	---	74.00	25.45	V	14.7
2685.000000	---	37.29	54.00	16.71	V	14.7
2995.000000	48.61	---	74.00	25.39	V	16.3
2995.000000	---	38.25	54.00	15.75	V	16.3



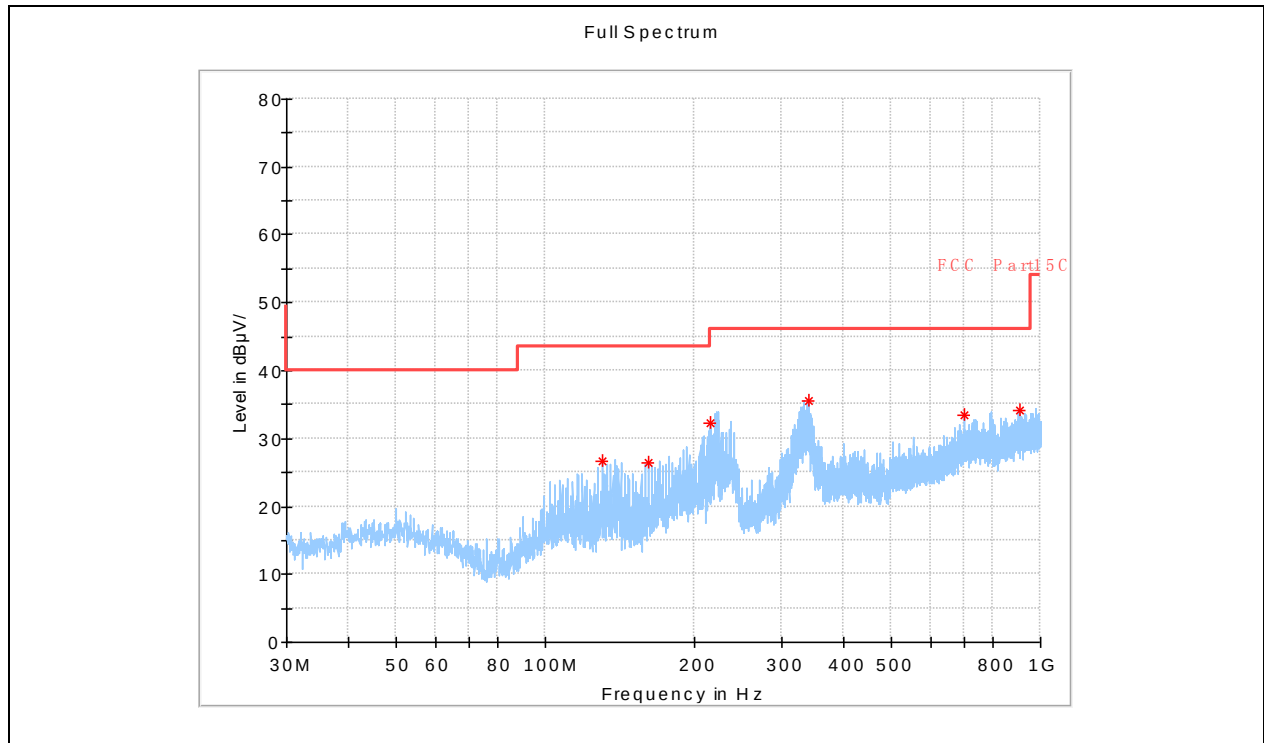
(GFSK _2441MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	44.26	---	74.00	29.74	V	-2.8
4882.500000	---	30.71	54.00	23.29	V	-2.8
6607.500000	---	31.59	54.00	22.41	V	-0.9
6607.500000	44.33	---	74.00	29.67	V	-0.9
9525.000000	44.61	---	74.00	29.39	V	1.9
9525.000000	---	32.09	54.00	21.91	V	1.9
12472.50000	44.78	---	74.00	29.22	V	4.9
12472.50000	---	32.48	54.00	21.52	V	4.9
14985.00000	---	36.41	54.00	17.59	V	10.3
14985.00000	47.51	---	74.00	26.49	V	10.3
17962.50000	51.54	---	74.00	22.46	V	14.7
17962.50000	---	38.91	54.00	15.09	V	14.7



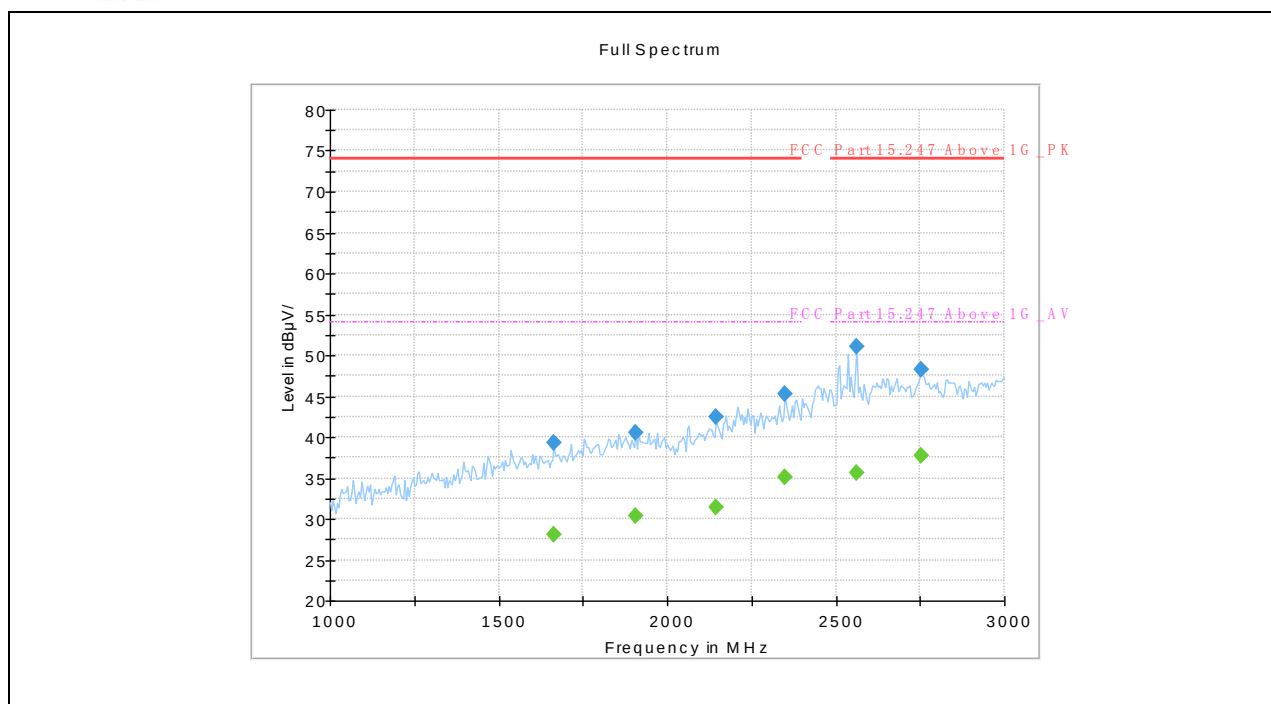
(GFSK _2441MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18636.611111	42.87	---	74.00	31.13	V	-5.3
18636.611111	---	31.33	54.00	22.67	V	-5.3
19678.444444	42.31	---	74.00	31.69	V	-5.3
19678.444444	---	30.61	54.00	23.39	V	-5.3
21143.000000	---	28.95	54.00	25.05	V	-5.1
21143.000000	40.07	---	74.00	33.93	V	-5.1
22308.500000	---	29.88	54.00	24.12	V	-4.9
22308.500000	42.26	---	74.00	31.74	V	-4.9
23544.388889	---	30.69	54.00	23.31	V	-4.9
23544.388889	42.06	---	74.00	31.94	V	-4.9
24433.777778	---	31.33	54.00	22.67	V	-4.6
24433.777778	43.20	---	74.00	30.80	V	-4.6



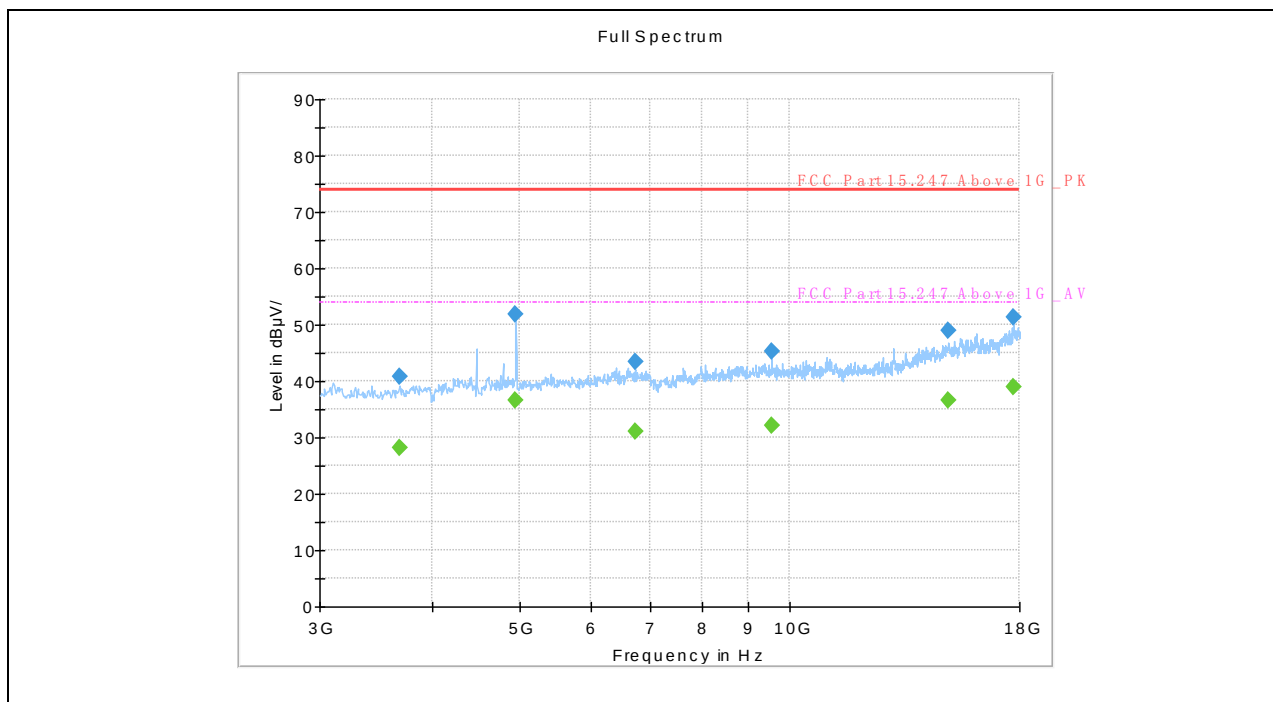
(GFSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
130.395000	26.67	---	43.50	16.83	H	12.2
161.435000	26.50	---	43.50	17.00	H	12.0
214.785000	32.19	---	43.50	11.31	H	13.5
339.591667	35.51	---	46.00	10.49	H	18.2
702.317778	33.50	---	46.00	12.50	H	24.9
906.987778	34.12	---	46.00	11.88	H	28.1



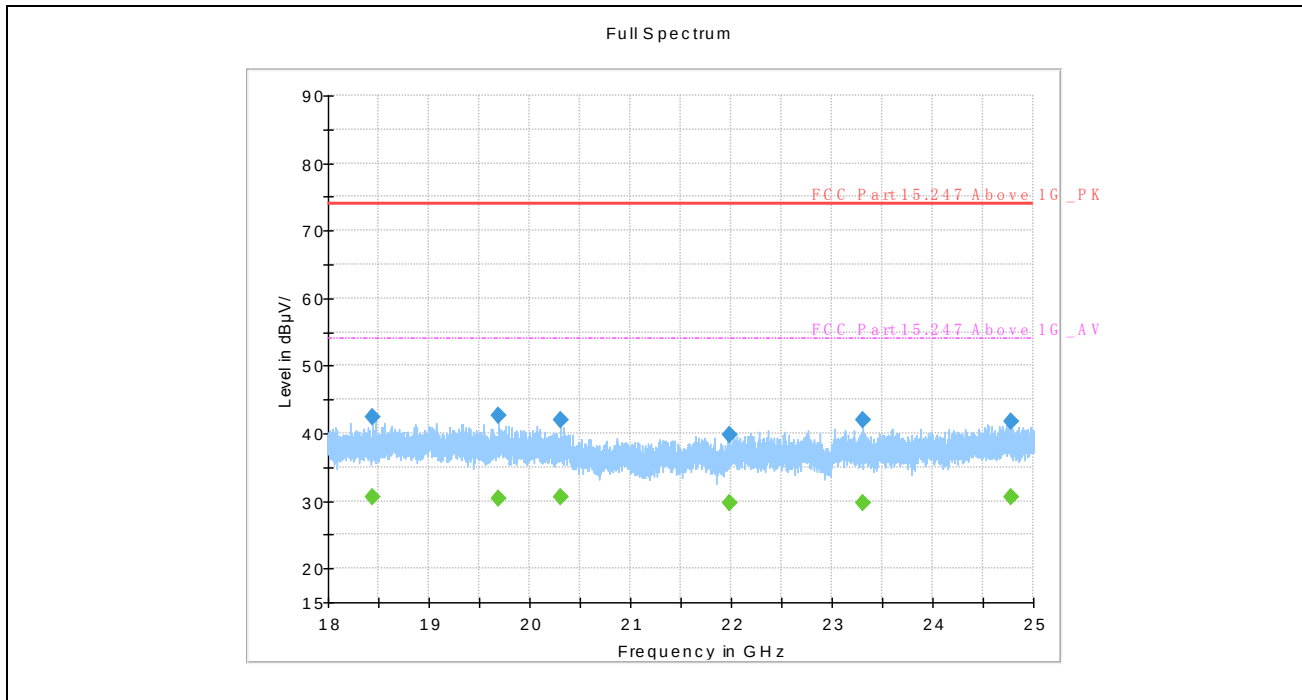
(GFSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1665.000000	---	28.12	54.00	25.88	H	3.3
1665.000000	39.37	---	74.00	34.63	H	3.3
1905.000000	40.60	---	74.00	33.40	H	6.2
1905.000000	---	30.42	54.00	23.58	H	6.2
2145.000000	42.53	---	74.00	31.47	H	8.2
2145.000000	---	31.45	54.00	22.55	H	8.2
2350.000000	45.29	---	74.00	28.71	H	11.4
2350.000000	---	35.04	54.00	18.96	H	11.4
2560.000000	51.13	---	74.00	22.87	H	14.0
2560.000000	---	35.66	54.00	18.34	H	14.0
2755.000000	---	37.68	54.00	16.32	H	15.1
2755.000000	48.31	---	74.00	25.69	H	15.1



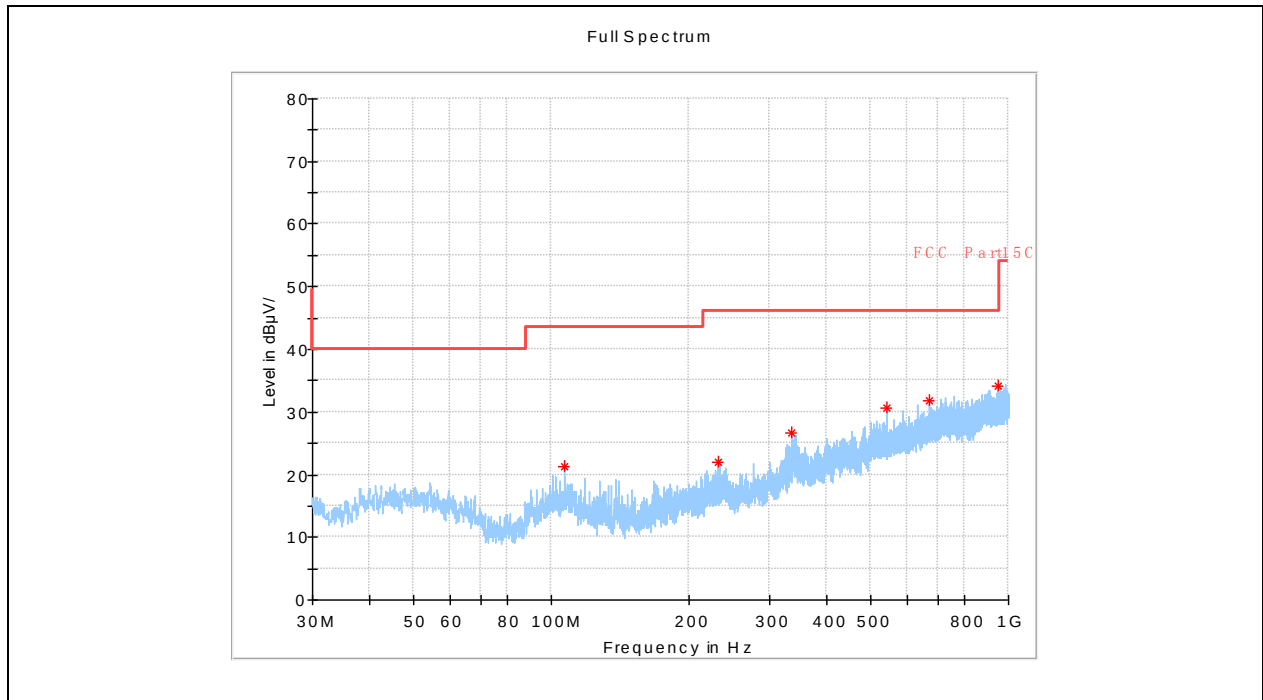
(GFSK _2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3682.500000	40.73	---	74.00	33.27	H	-5.3
3682.500000	---	28.24	54.00	25.76	H	-5.3
4957.500000	---	36.59	54.00	17.41	H	-3.0
4957.500000	51.75	---	74.00	22.25	H	-3.0
6727.500000	---	31.16	54.00	22.84	H	-1.1
6727.500000	43.45	---	74.00	30.55	H	-1.1
9555.000000	---	32.09	54.00	21.91	H	2.3
9555.000000	45.18	---	74.00	28.82	H	2.3
15030.000000	48.91	---	74.00	25.09	H	10.6
15030.000000	---	36.47	54.00	17.53	H	10.6
17737.500000	---	39.00	54.00	15.00	H	15.1
17737.500000	51.42	---	74.00	22.58	H	15.1

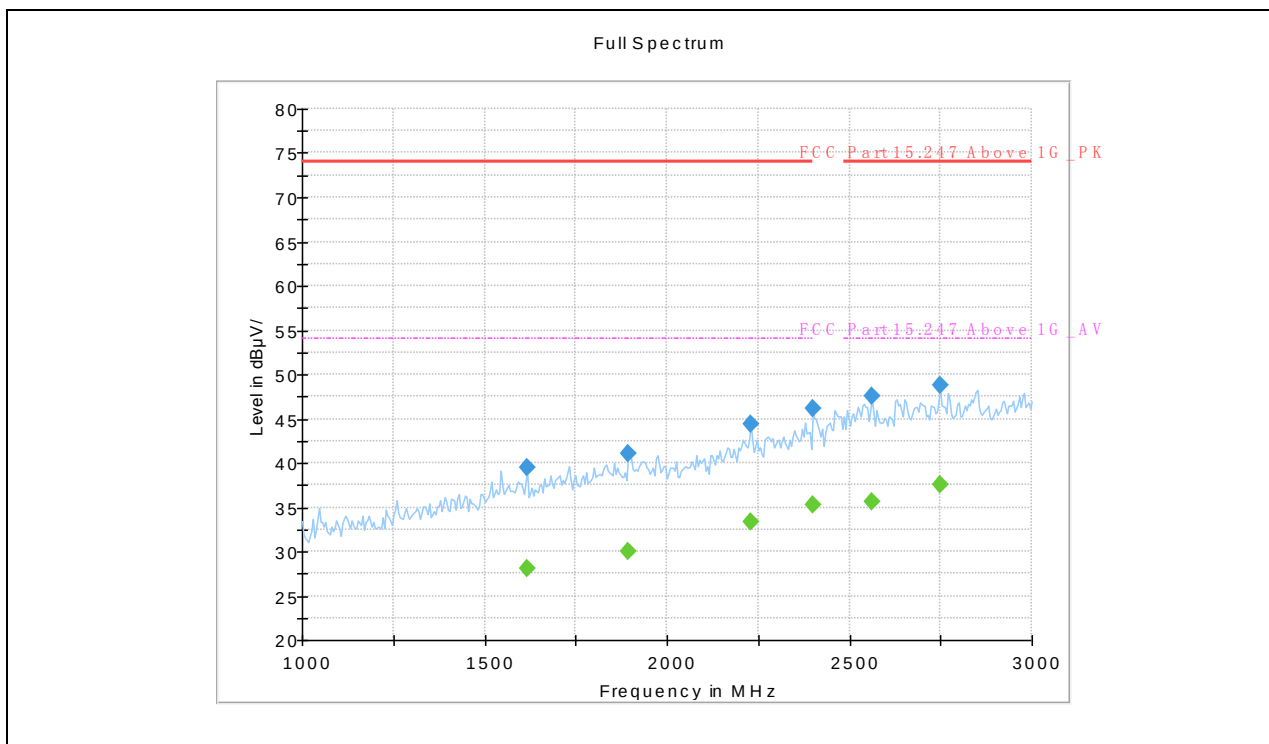


(GFSK_2480MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18447.222222	---	30.65	54.00	23.35	H	-5.3
18447.222222	42.52	---	74.00	31.48	H	-5.3
19690.888889	42.68	---	74.00	31.32	H	-5.3
19690.888889	---	30.42	54.00	23.58	H	-5.3
20308.055556	42.01	---	74.00	31.99	H	-5.0
20308.055556	---	30.64	54.00	23.36	H	-5.0
21991.944444	39.82	---	74.00	34.18	H	-5.1
21991.944444	---	29.68	54.00	24.32	H	-5.1
23303.277778	---	29.71	54.00	24.29	H	-5.0
23303.277778	41.94	---	74.00	32.06	H	-5.0
24784.166667	41.76	---	74.00	32.24	H	-4.8
24784.166667	---	30.62	54.00	23.38	H	-4.8

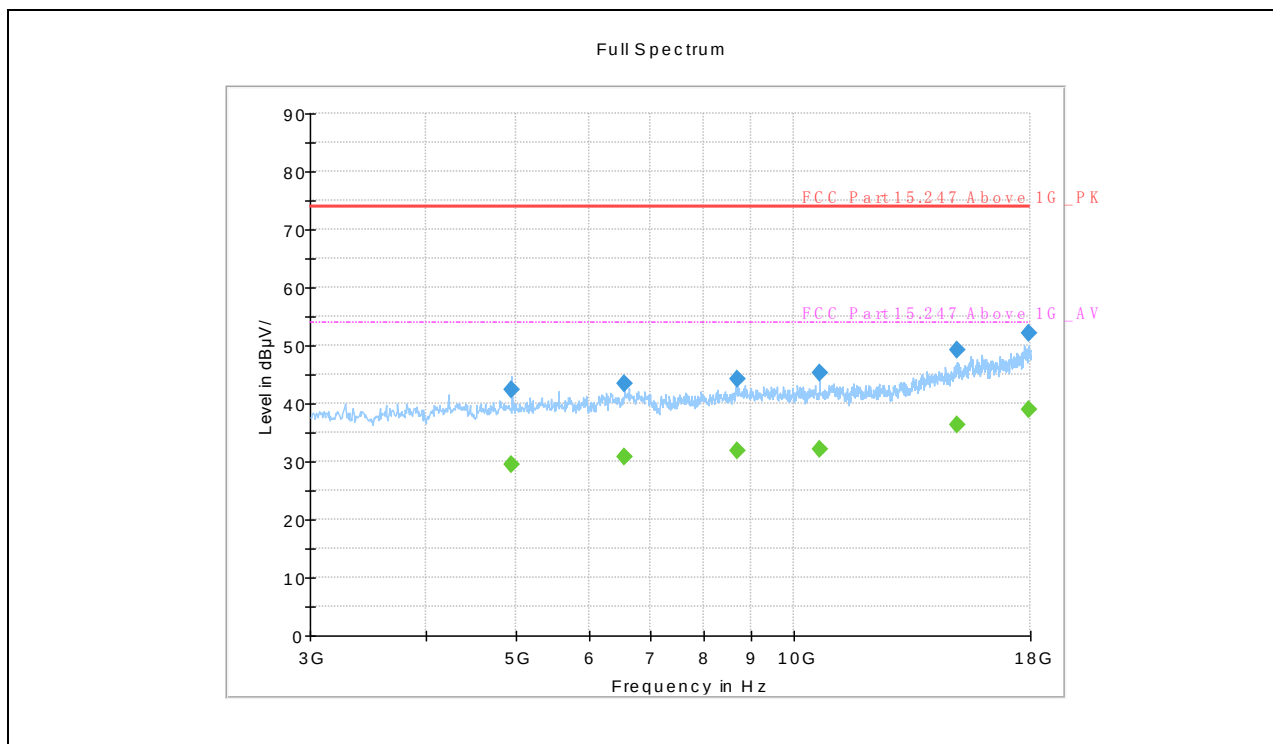


Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
107.115000	21.19	---	43.50	22.31	V	14.4
231.005556	21.90	---	46.00	24.10	V	14.4
336.088889	26.74	---	46.00	19.26	V	17.6
540.004444	30.60	---	46.00	15.40	V	22.4
669.768889	31.87	---	46.00	14.13	V	24.5
947.620000	34.12	---	46.00	11.88	V	28.3



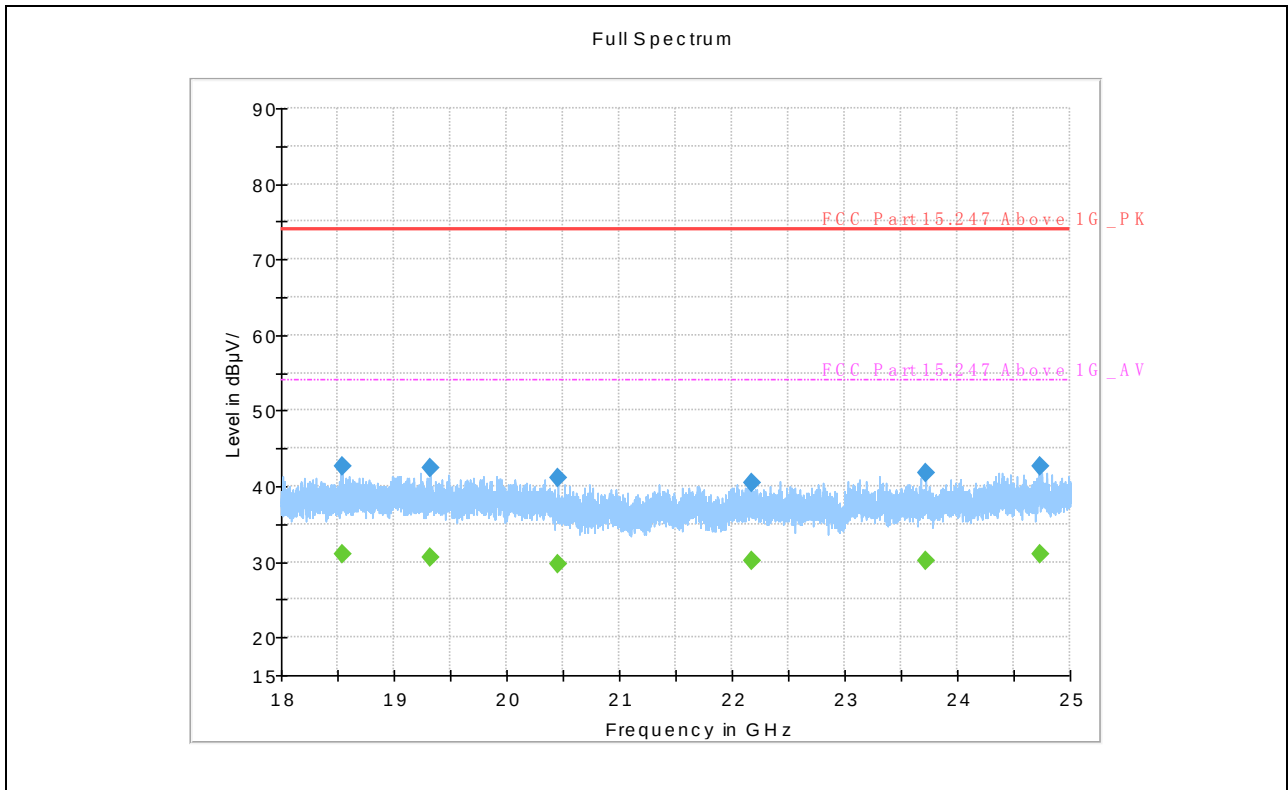
(GFSK _2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1615.000000	---	28.07	54.00	25.93	V	3.3
1615.000000	39.46	---	74.00	34.54	V	3.3
1895.000000	---	30.03	54.00	23.97	V	6.1
1895.000000	41.03	---	74.00	32.97	V	6.1
2230.000000	---	33.29	54.00	20.71	V	9.7
2230.000000	44.47	---	74.00	29.53	V	9.7
2400.000000	---	35.34	54.00	18.66	V	12.3
2400.000000	46.12	---	74.00	27.88	V	12.3
2560.000000	---	35.59	54.00	18.41	V	14.0
2560.000000	47.49	---	74.00	26.51	V	14.0
2750.000000	---	37.58	54.00	16.42	V	15.0
2750.000000	48.83	---	74.00	25.17	V	15.0



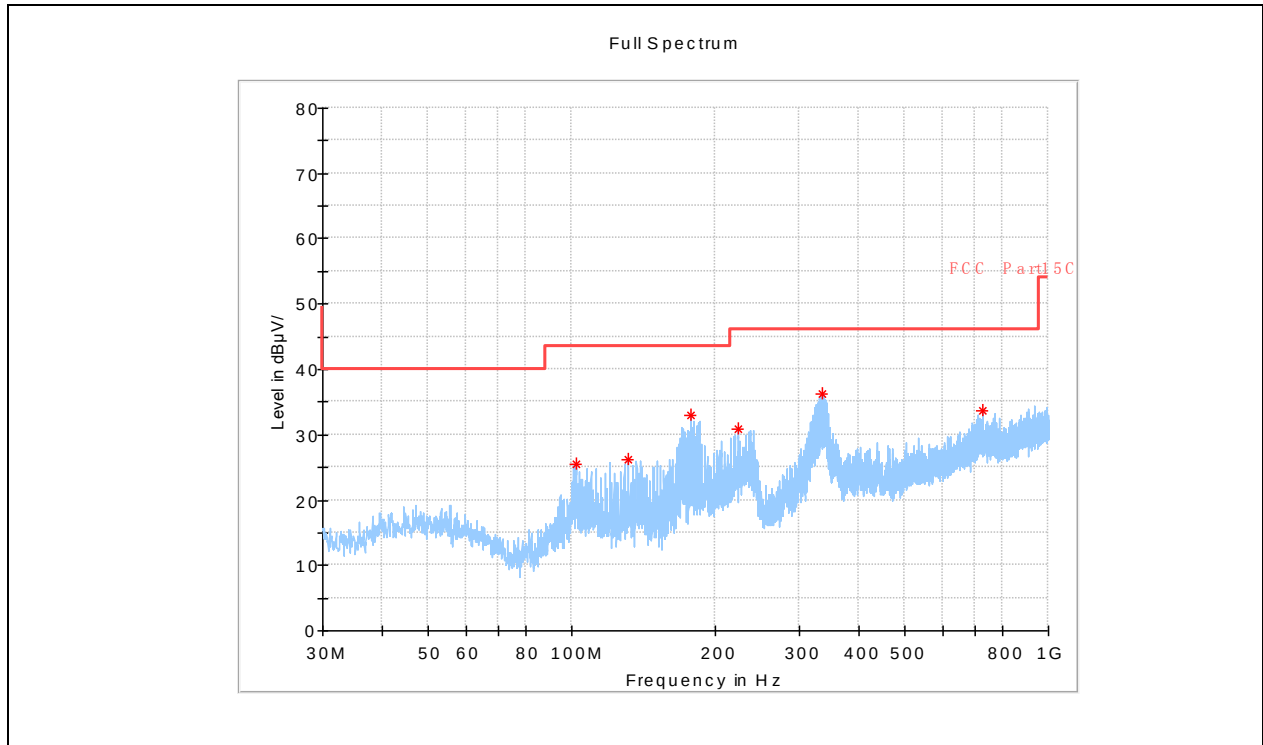
(GFSK _2480MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
4957.500000	42.24	---	74.00	31.76	V	-3.0
4957.500000	---	29.57	54.00	24.43	V	-3.0
6555.000000	---	30.72	54.00	23.28	V	-1.3
6555.000000	43.54	---	74.00	30.46	V	-1.3
8685.000000	---	31.95	54.00	22.05	V	1.3
8685.000000	44.27	---	74.00	29.73	V	1.3
10657.50000	45.17	---	74.00	28.83	V	2.6
10657.50000	---	32.12	54.00	21.88	V	2.6
14992.50000	---	36.40	54.00	17.60	V	10.4
14992.50000	49.16	---	74.00	24.84	V	10.4
17955.00000	---	38.98	54.00	15.02	V	14.6
17955.00000	52.17	---	74.00	21.83	V	14.6



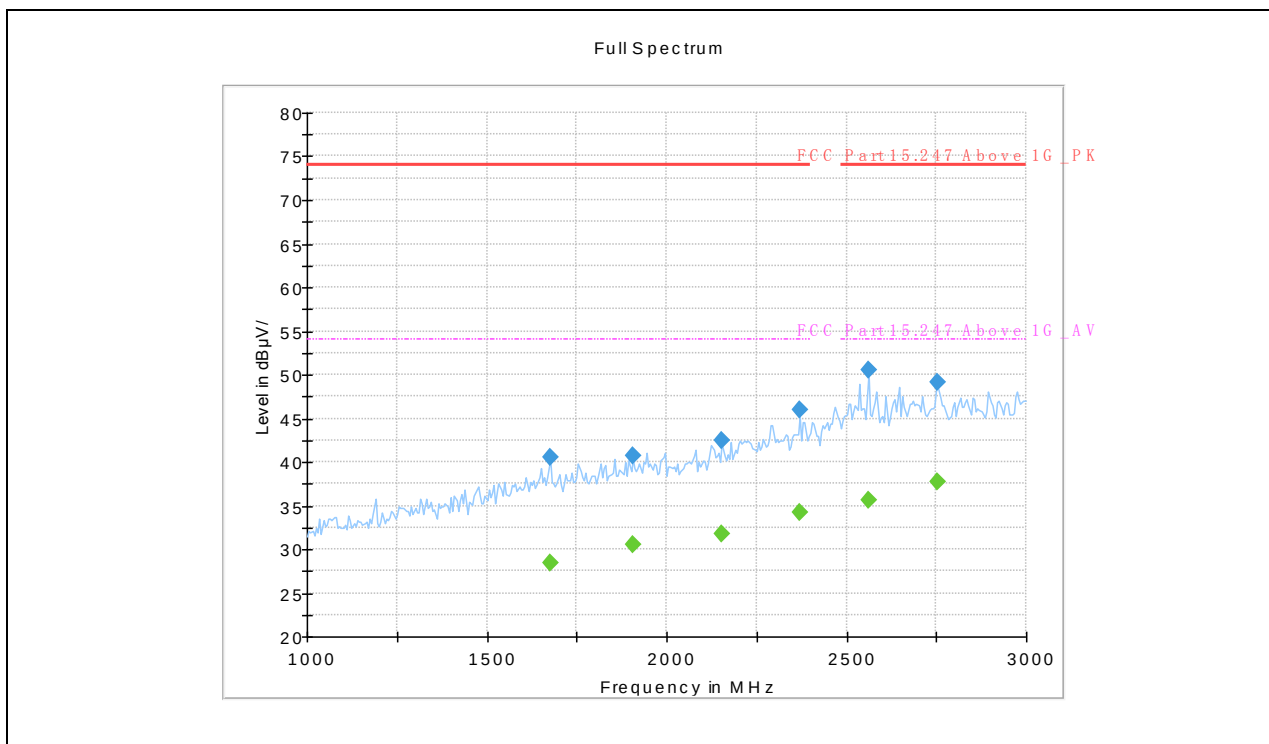
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18549.500000	---	31.06	54.00	22.94	V	-5.2
18549.500000	42.65	---	74.00	31.35	V	-5.2
19328.055556	42.49	---	74.00	31.51	V	-5.4
19328.055556	---	30.54	54.00	23.46	V	-5.4
20457.777778	41.01	---	74.00	32.99	V	-5.1
20457.777778	---	29.60	54.00	24.40	V	-5.1
22177.055556	---	30.07	54.00	23.93	V	-5.1
22177.055556	40.35	---	74.00	33.65	V	-5.1
23718.222222	---	30.04	54.00	23.96	V	-5.0
23718.222222	41.77	---	74.00	32.23	V	-5.0
24735.944444	---	30.92	54.00	23.08	V	-4.8
24735.944444	42.57	---	74.00	31.43	V	-4.8

$\pi/4$ -DQPSK Test mode



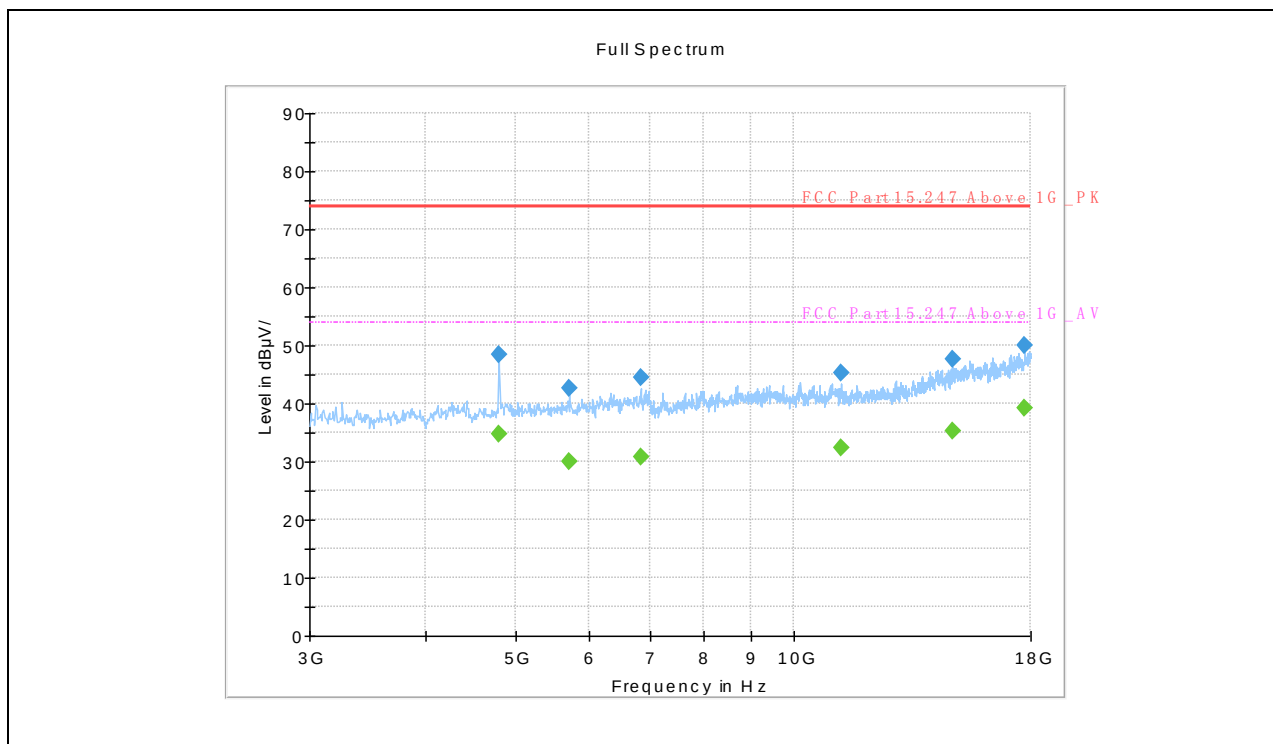
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
102.211111	25.53	---	43.50	17.97	H	14.7
131.580556	26.27	---	43.50	17.23	H	11.7
177.440000	32.94	---	43.50	10.56	H	12.1
223.137778	30.79	---	46.00	15.21	H	14.3
335.280556	36.18	---	46.00	9.82	H	17.5
725.975000	33.65	---	46.00	12.35	H	25.2



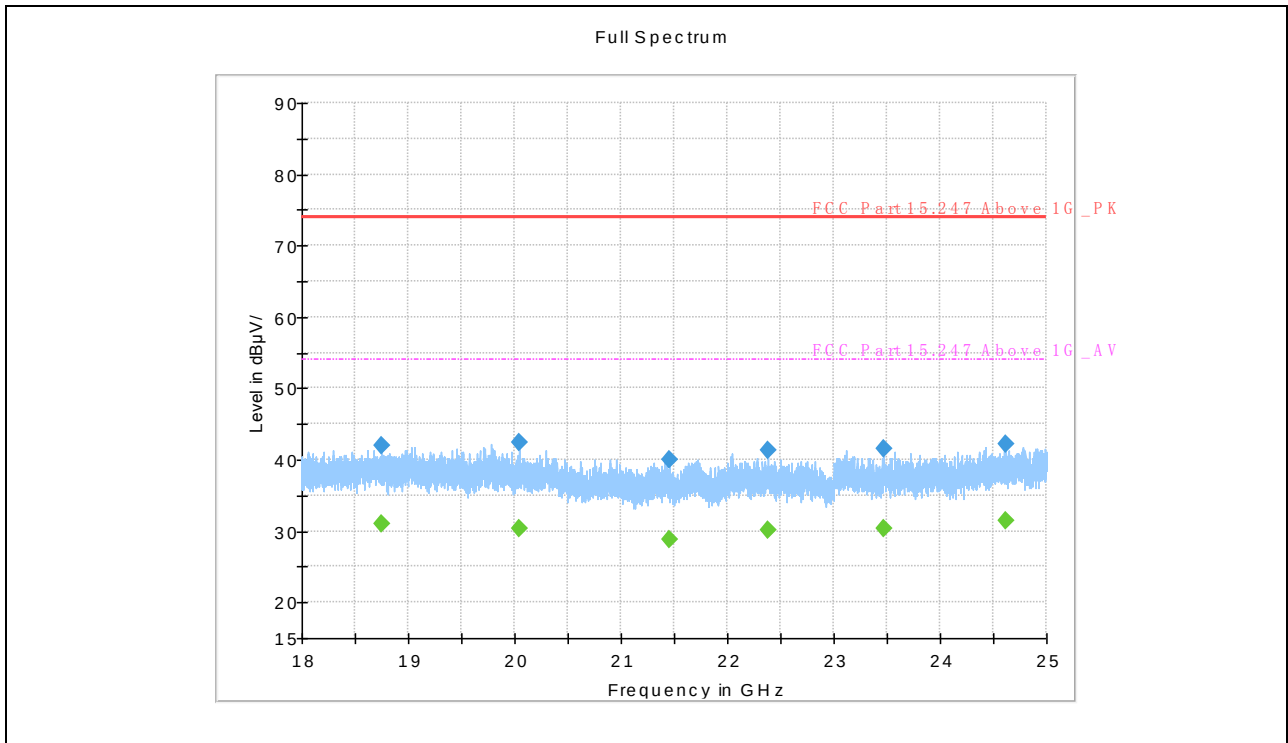
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1675.000000	40.61	---	74.00	33.39	H	3.4
1675.000000	---	28.37	54.00	25.63	H	3.4
1905.000000	---	30.47	54.00	23.53	H	6.2
1905.000000	40.76	---	74.00	33.24	H	6.2
2155.000000	42.50	---	74.00	31.50	H	8.3
2155.000000	---	31.81	54.00	22.19	H	8.3
2370.000000	---	34.14	54.00	19.86	H	11.8
2370.000000	45.93	---	74.00	28.07	H	11.8
2560.000000	---	35.68	54.00	18.32	H	14.0
2560.000000	50.46	---	74.00	27.54	H	14.0
2755.000000	---	37.73	54.00	16.27	H	15.1
2755.000000	49.06	---	74.00	24.94	H	15.1



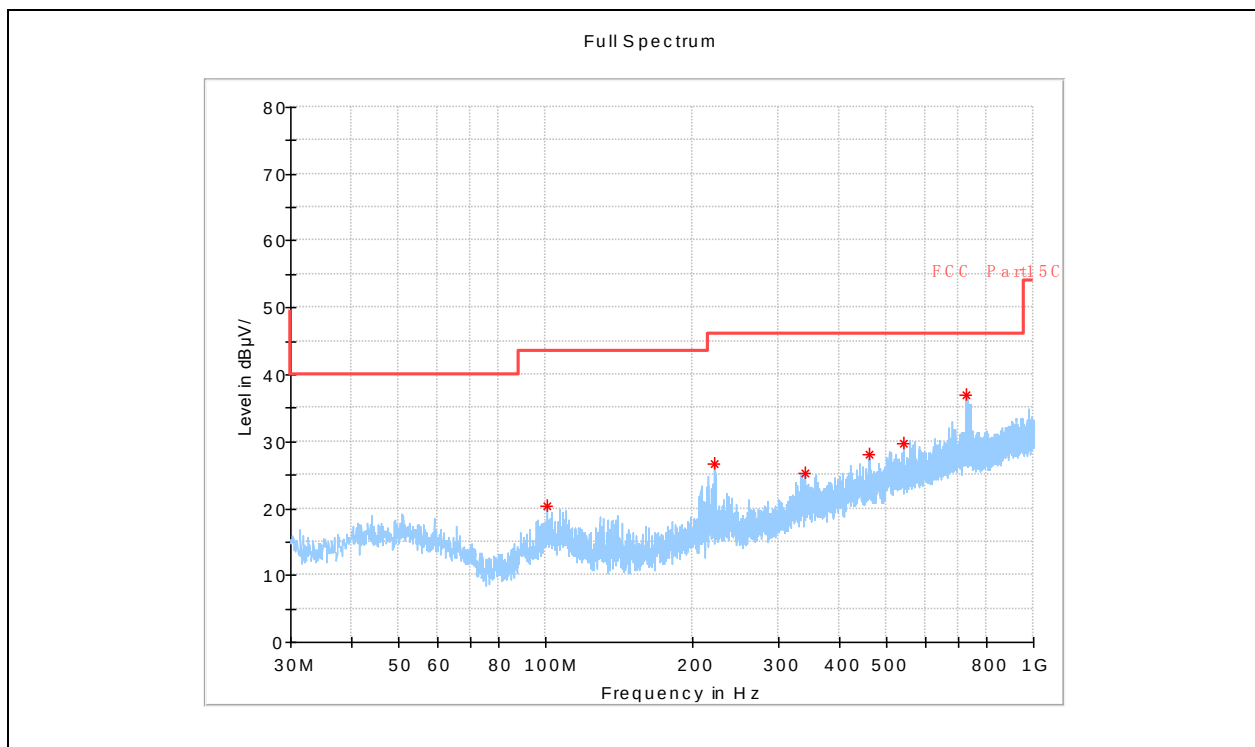
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	48.32	---	74.00	25.68	H	-3.4
4800.000000	---	34.61	54.00	19.39	H	-3.4
5722.500000	42.68	---	74.00	31.32	H	-2.6
5722.500000	---	30.13	54.00	23.87	H	-2.6
6832.500000	44.37	---	74.00	29.63	H	-0.9
6832.500000	---	30.91	54.00	23.09	H	-0.9
11242.50000	---	32.39	54.00	21.61	H	3.1
11242.50000	45.16	---	74.00	28.84	H	3.1
14812.50000	47.63	---	74.00	26.37	H	8.8
14812.50000	---	35.26	54.00	18.74	H	8.8
17722.50000	---	39.20	54.00	14.80	H	14.7
17722.50000	49.88	---	74.00	24.12	H	14.7



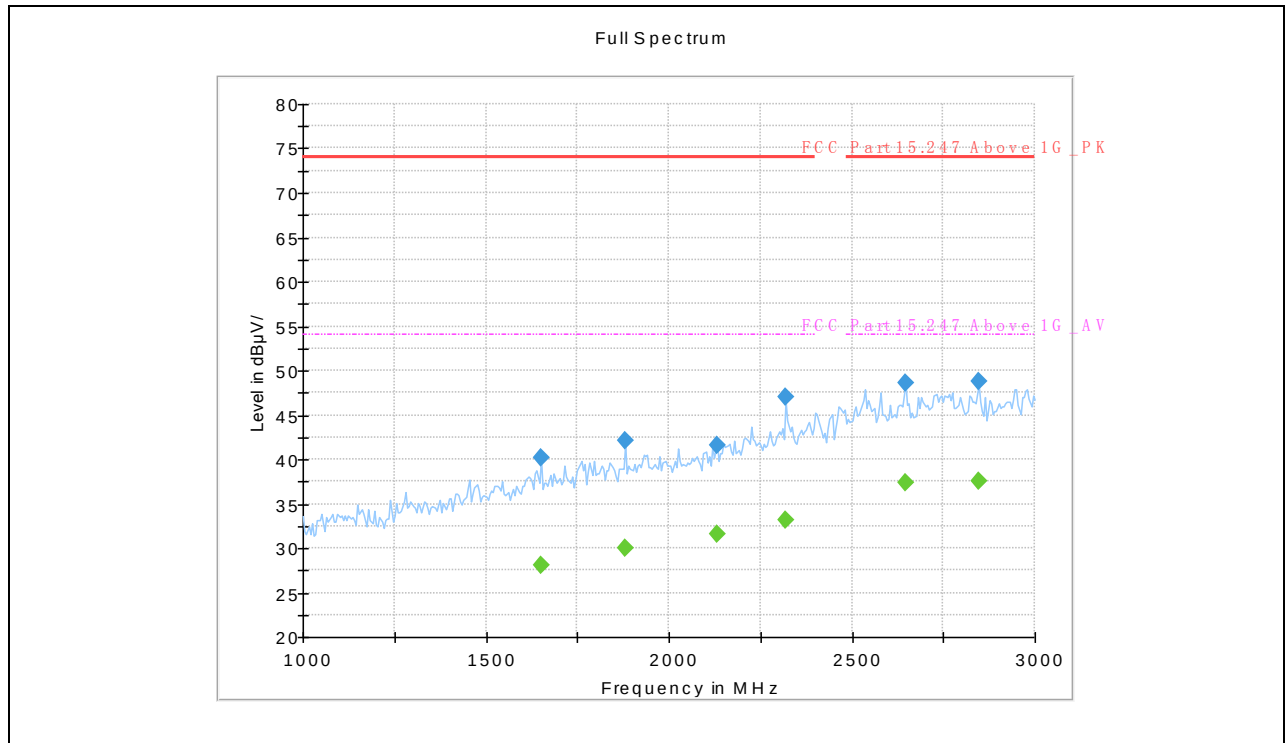
($\pi/4$ -DQPSK _2402MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18747.833333	---	30.95	54.00	23.05	H	-5.3
18747.833333	42.06	---	74.00	31.94	H	-5.3
20039.333333	---	30.39	54.00	23.61	H	-5.0
20039.333333	42.35	---	74.00	31.65	H	-5.0
21449.833333	40.08	---	74.00	33.92	H	-5.0
21449.833333	---	28.92	54.00	25.08	H	-5.0
22384.333333	---	30.14	54.00	23.86	H	-4.9
22384.333333	41.34	---	74.00	32.66	H	-4.9
23463.888889	---	30.39	54.00	23.61	H	-4.9
23463.888889	41.47	---	74.00	32.53	H	-4.9
24622.000000	42.25	---	74.00	31.75	H	-4.7
24622.000000	---	31.43	54.00	22.57	H	-4.7



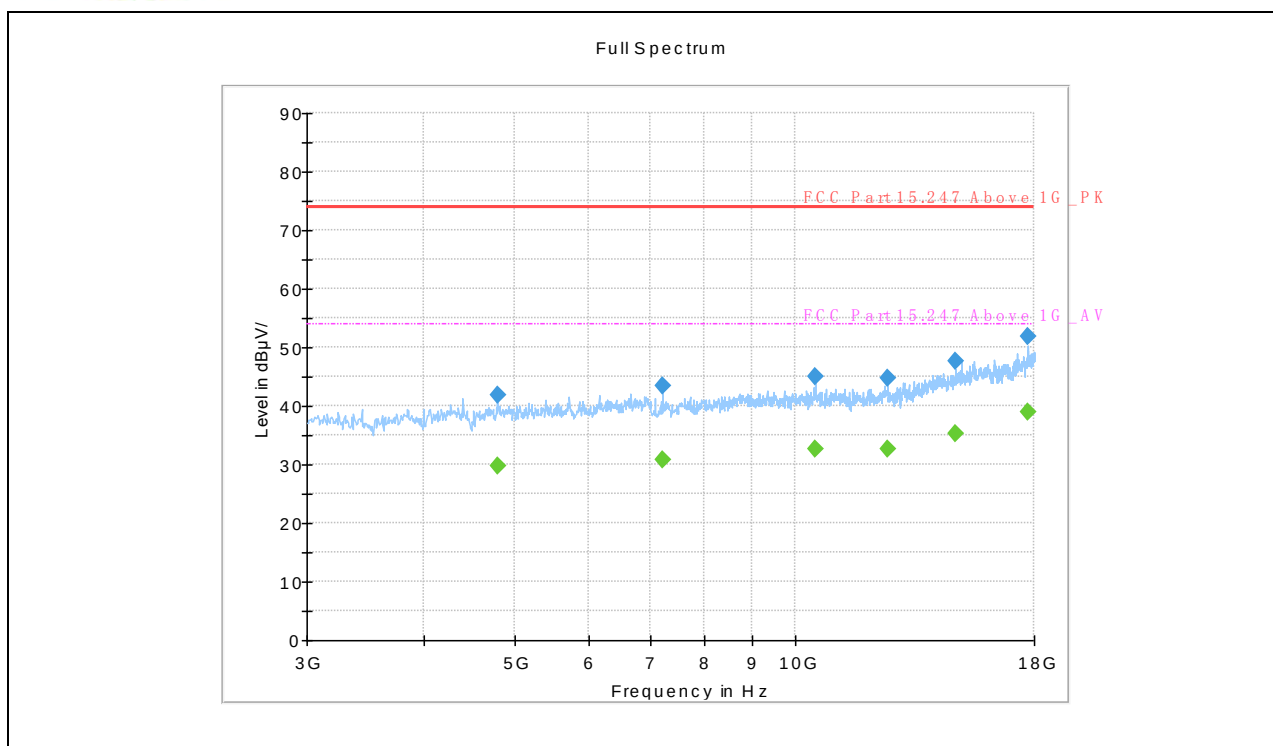
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
100.594444	20.37	---	43.50	23.13	V	15.1
222.437222	26.70	---	46.00	19.30	V	14.4
340.507778	25.26	---	46.00	20.74	V	18.2
459.171111	28.07	---	46.00	17.93	V	21.1
539.950556	29.82	---	46.00	16.18	V	22.4
730.178333	36.96	---	46.00	9.04	V	25.4



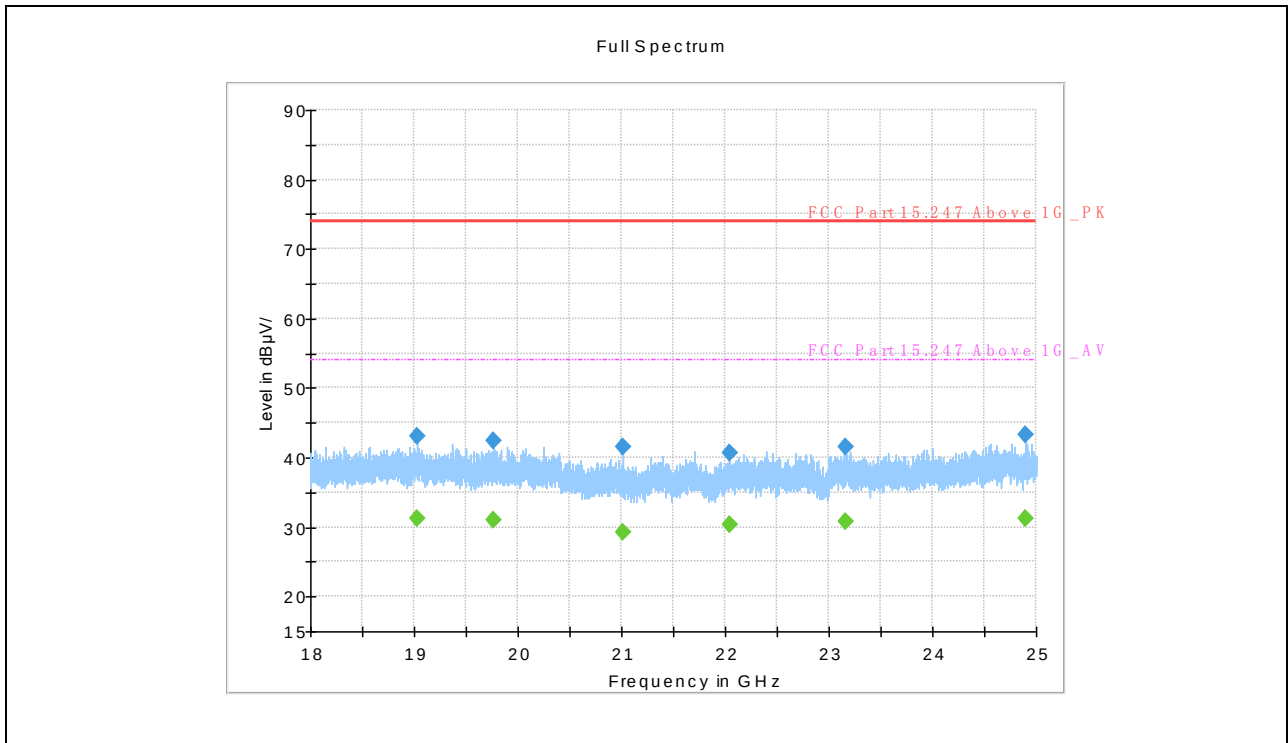
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1650.000000	---	28.14	54.00	25.86	V	3.3
1650.000000	40.18	---	74.00	33.82	V	3.3
1880.000000	42.13	---	74.00	31.87	V	6.0
1880.000000	---	30.05	54.00	23.95	V	6.0
2130.000000	41.61	---	74.00	32.39	V	8.2
2130.000000	---	31.54	54.00	22.46	V	8.2
2320.000000	47.04	---	74.00	26.96	V	10.9
2320.000000	---	33.19	54.00	20.81	V	10.9
2645.000000	48.54	---	74.00	25.46	V	15.5
2645.000000	---	37.40	54.00	16.60	V	15.5
2845.000000	---	37.52	54.00	16.48	V	15.4
2845.000000	48.78	---	74.00	25.22	V	15.4



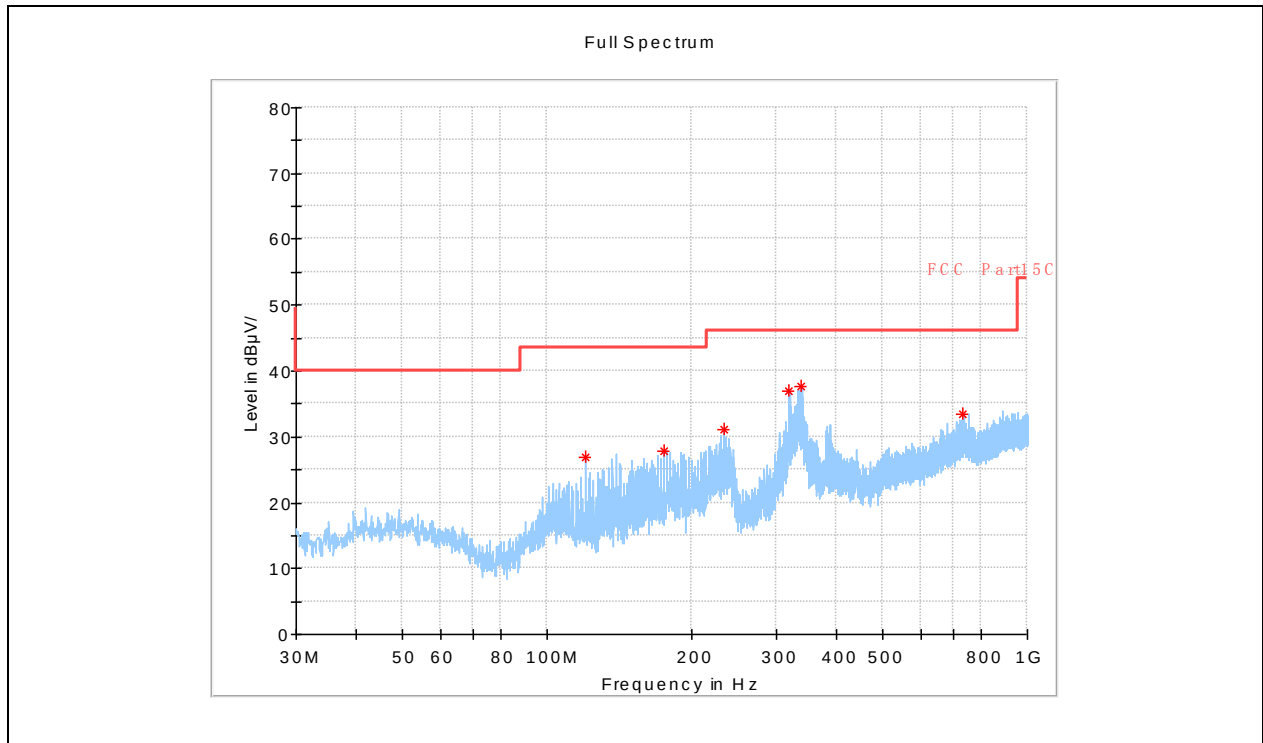
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	---	29.61	54.00	24.39	V	-3.4
4800.000000	41.91	---	74.00	32.09	V	-3.4
7207.500000	43.44	---	74.00	30.56	V	-0.4
7207.500000	---	30.89	54.00	23.11	V	-0.4
10500.000000	---	32.50	54.00	21.50	V	2.6
10500.000000	44.87	---	74.00	29.13	V	2.6
12540.000000	---	32.50	54.00	21.50	V	4.6
12540.000000	44.83	---	74.00	29.17	V	4.6
14812.500000	---	35.26	54.00	18.74	V	8.8
14812.500000	47.71	---	74.00	26.29	V	8.8
17745.000000	51.80	---	74.00	22.20	V	15.2
17745.000000	---	38.85	54.00	15.15	V	15.2



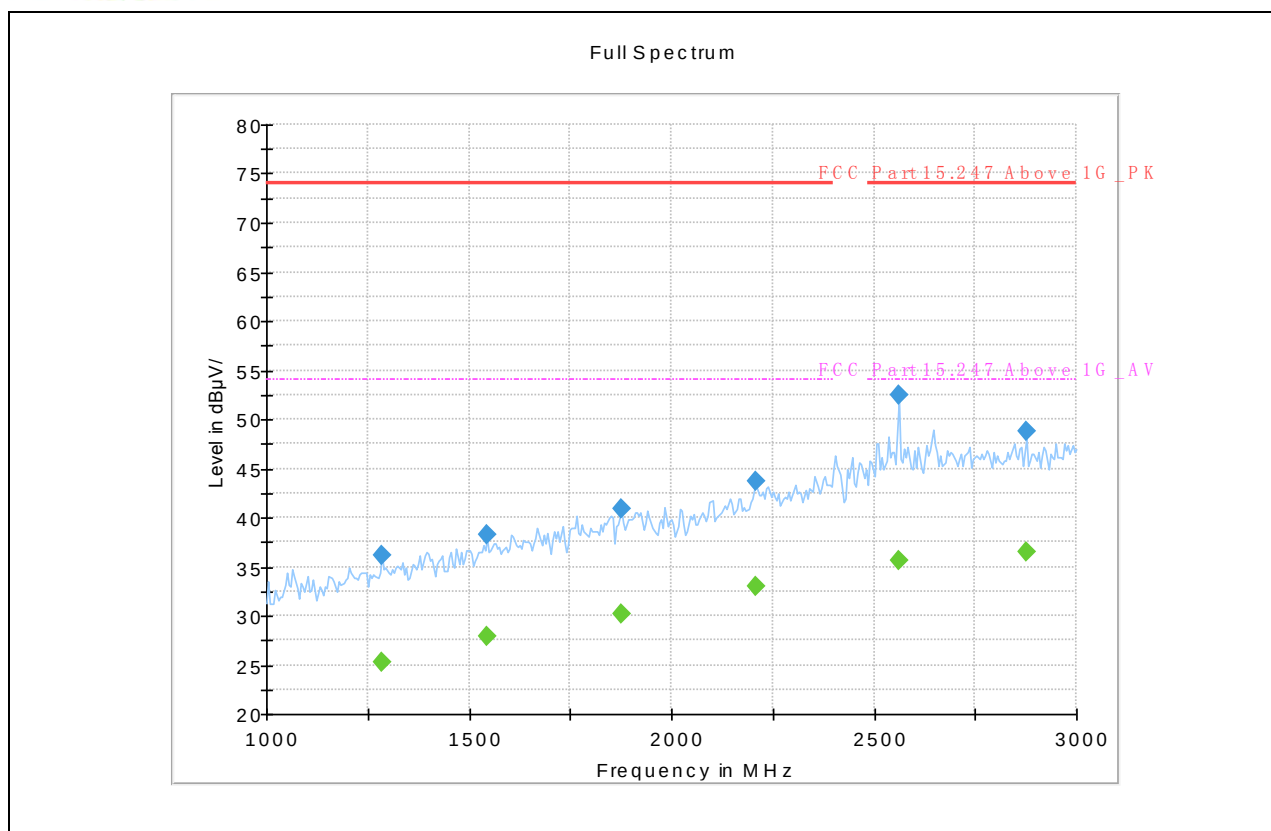
($\pi/4$ -DQPSK _2402MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
19034.444444	---	31.22	54.00	22.78	V	-5.4
19034.444444	42.98	---	74.00	31.02	V	-5.4
19762.444444	---	31.06	54.00	22.94	V	-5.2
19762.444444	42.42	---	74.00	31.58	V	-5.2
21009.222222	41.52	---	74.00	32.48	V	-5.1
21009.222222	---	29.26	54.00	24.74	V	-5.1
22043.277778	40.71	---	74.00	33.29	V	-5.1
22043.277778	---	30.26	54.00	23.74	V	-5.1
23167.555556	41.48	---	74.00	32.52	V	-5.0
23167.555556	---	30.71	54.00	23.29	V	-5.0
24900.444444	43.18	---	74.00	30.82	V	-4.8
24900.444444	---	31.15	54.00	22.85	V	-4.8



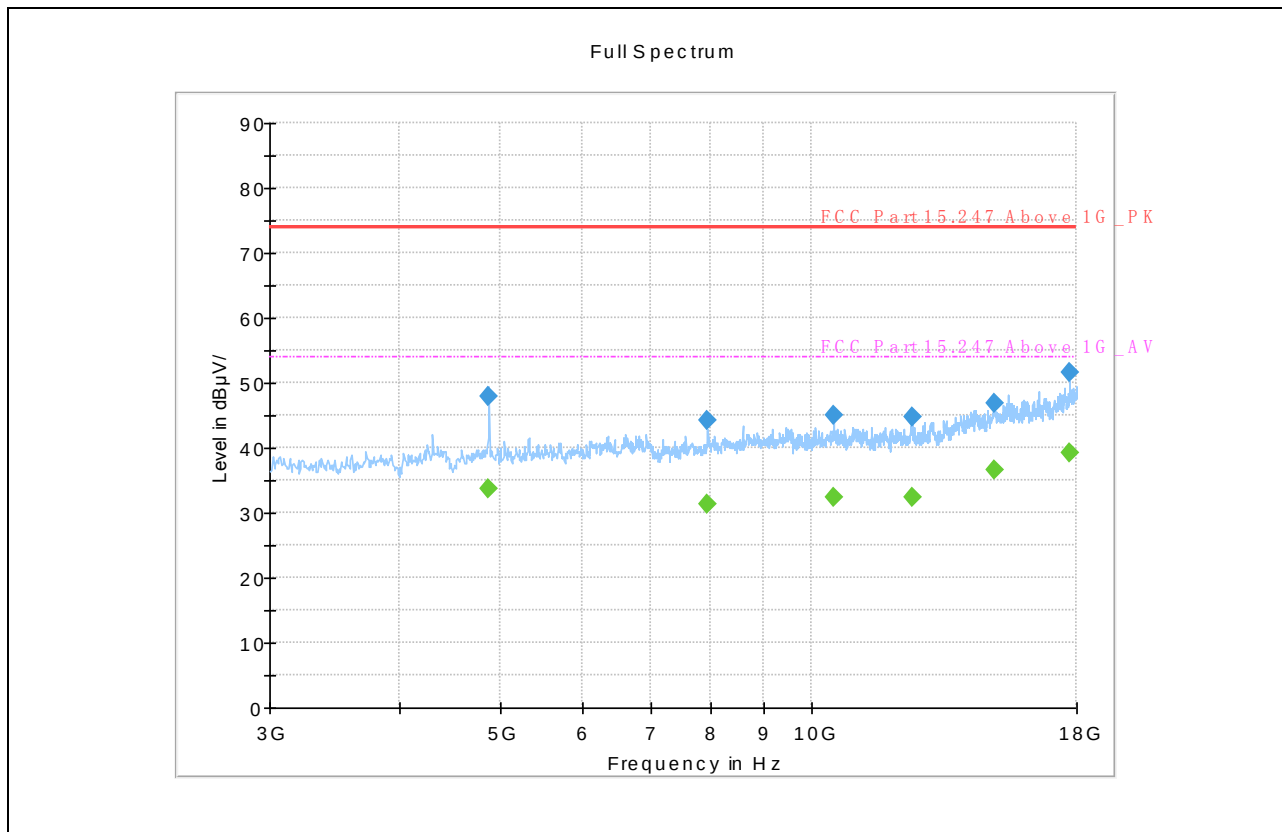
($\pi/4$ -DQPSK _2441MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
119.940556	26.86	---	43.50	16.64	H	13.1
175.338333	27.84	---	43.50	15.66	H	11.5
233.376667	31.00	---	46.00	15.00	H	14.5
319.491111	36.92	---	46.00	9.08	H	17.9
339.052778	37.57	---	46.00	8.43	H	18.1
734.866667	33.38	---	46.00	12.62	H	25.6



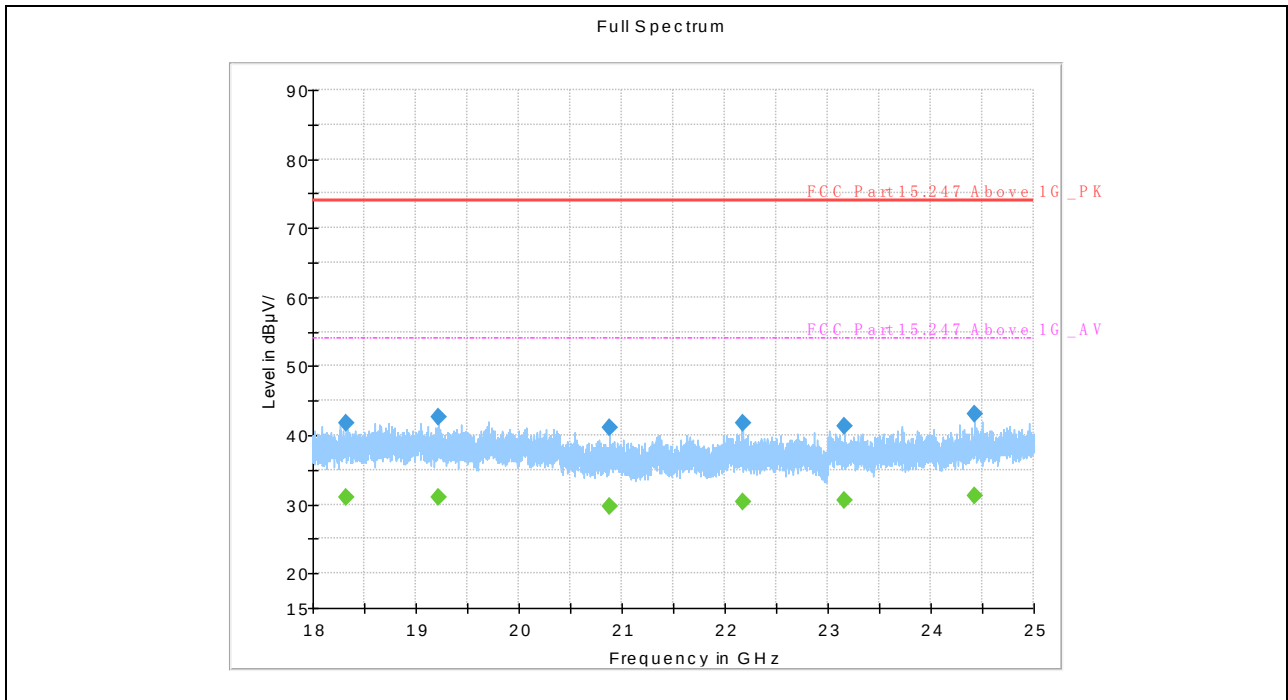
($\pi/4$ -DQPSK _2441MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1285.000000	---	25.33	54.00	28.67	H	-0.3
1285.000000	36.12	---	74.00	37.88	H	-0.3
1545.000000	38.31	---	74.00	35.69	H	2.8
1545.000000	---	27.95	54.00	26.05	H	2.8
1875.000000	---	30.17	54.00	23.84	H	5.9
1875.000000	40.95	---	74.00	33.05	H	5.9
2210.000000	---	33.03	54.00	20.97	H	9.4
2210.000000	43.77	---	74.00	30.23	H	9.4
2560.000000	52.40	---	74.00	21.60	H	14.0
2560.000000	---	35.69	54.00	18.31	H	14.0
2875.000000	---	36.57	54.00	17.43	H	15.0
2875.000000	48.78	---	74.00	25.22	H	15.0



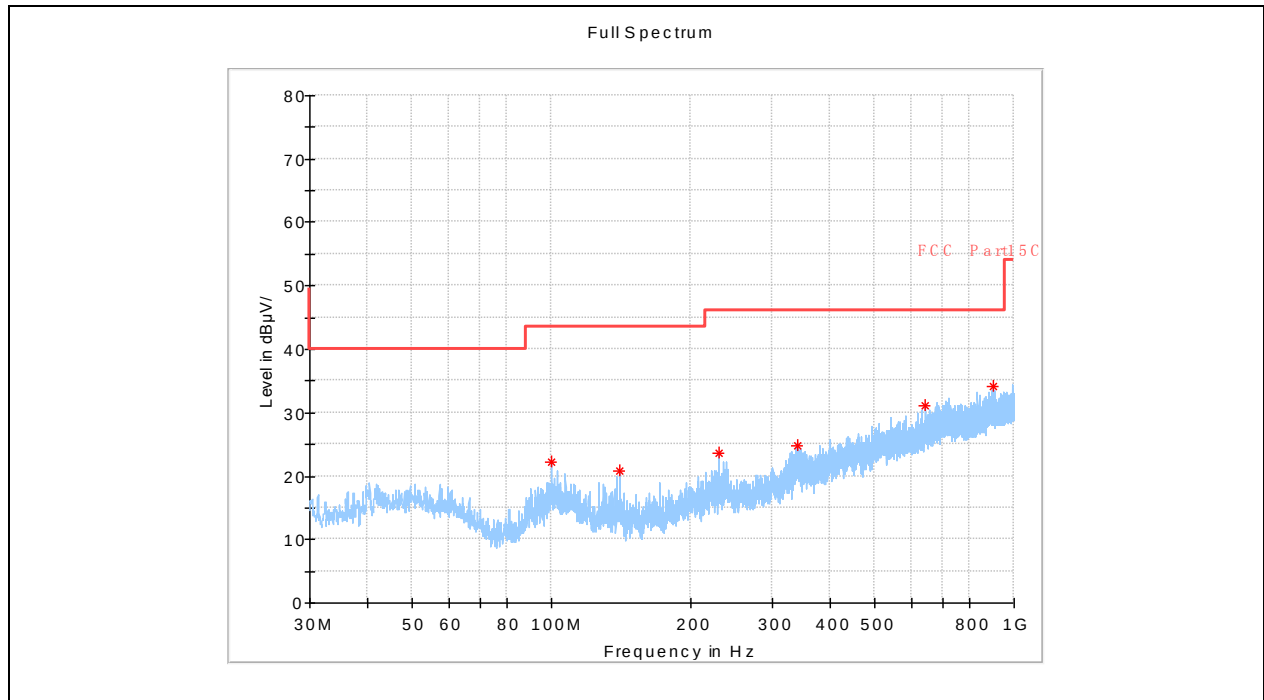
($\pi/4$ -DQPSK _2441MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	---	33.60	54.00	20.40	H	-2.8
4882.500000	47.91	---	74.00	26.09	H	-2.8
7927.500000	---	31.29	54.00	22.71	H	0.9
7927.500000	44.18	---	74.00	29.82	H	0.9
10492.500000	---	32.42	54.00	21.58	H	2.7
10492.500000	45.01	---	74.00	28.99	H	2.7
12480.000000	---	32.42	54.00	21.58	H	4.9
12480.000000	44.63	---	74.00	29.37	H	4.9
15000.000000	46.82	---	74.00	27.18	H	10.6
15000.000000	---	36.50	54.00	17.50	H	10.6
17715.000000	51.46	---	74.00	22.54	H	14.6
17715.000000	---	39.16	54.00	14.84	H	14.6

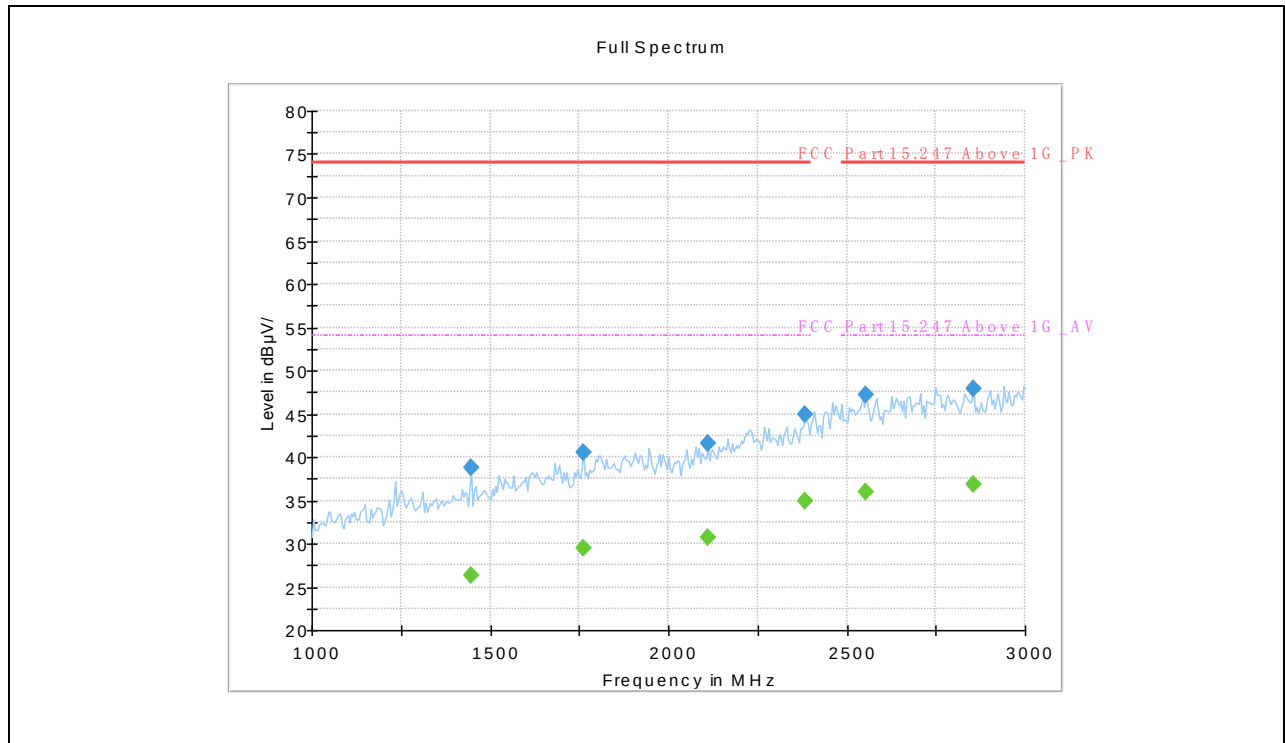


($\pi/4$ -DQPSK _2441MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18324.333333	---	30.90	54.00	23.10	H	-5.4
18324.333333	41.83	---	74.00	32.17	H	-5.4
19223.833333	---	30.99	54.00	23.01	H	-5.4
19223.833333	42.70	---	74.00	31.30	H	-5.4
20883.611111	41.19	---	74.00	32.81	H	-5.1
20883.611111	---	29.68	54.00	24.32	H	-5.1
22170.833333	41.66	---	74.00	32.34	H	-5.1
22170.833333	---	30.28	54.00	23.72	H	-5.1
23167.944444	41.33	---	74.00	32.67	H	-5.0
23167.944444	---	30.58	54.00	23.42	H	-5.0
24431.833333	43.17	---	74.00	30.83	H	-4.6
24431.833333	---	31.21	54.00	22.79	H	-4.6

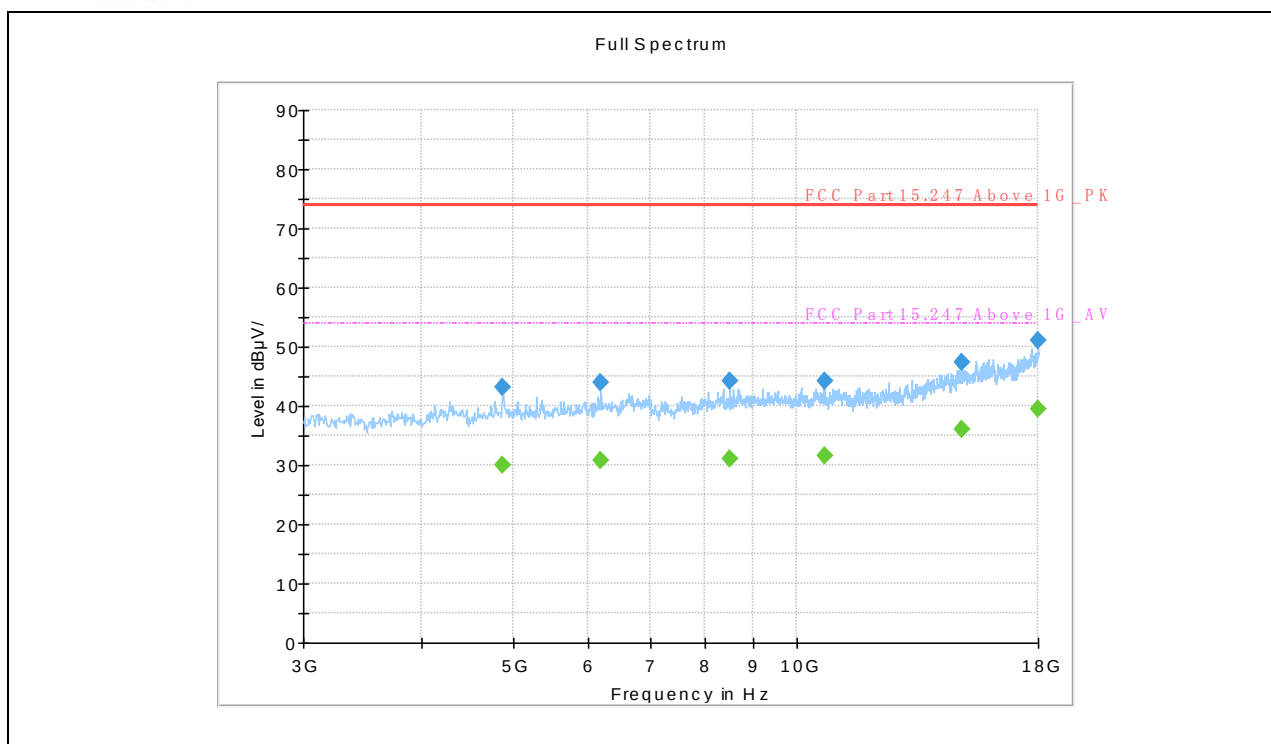


Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
100.163333	22.19	---	43.50	21.31	V	15.2
140.633889	20.85	---	43.50	22.65	V	11.9
229.712222	23.59	---	46.00	22.41	V	14.4
339.376111	24.78	---	46.00	21.22	V	18.2
644.441111	31.03	---	46.00	14.97	V	24.4
903.323333	34.23	---	46.00	11.77	V	28.1



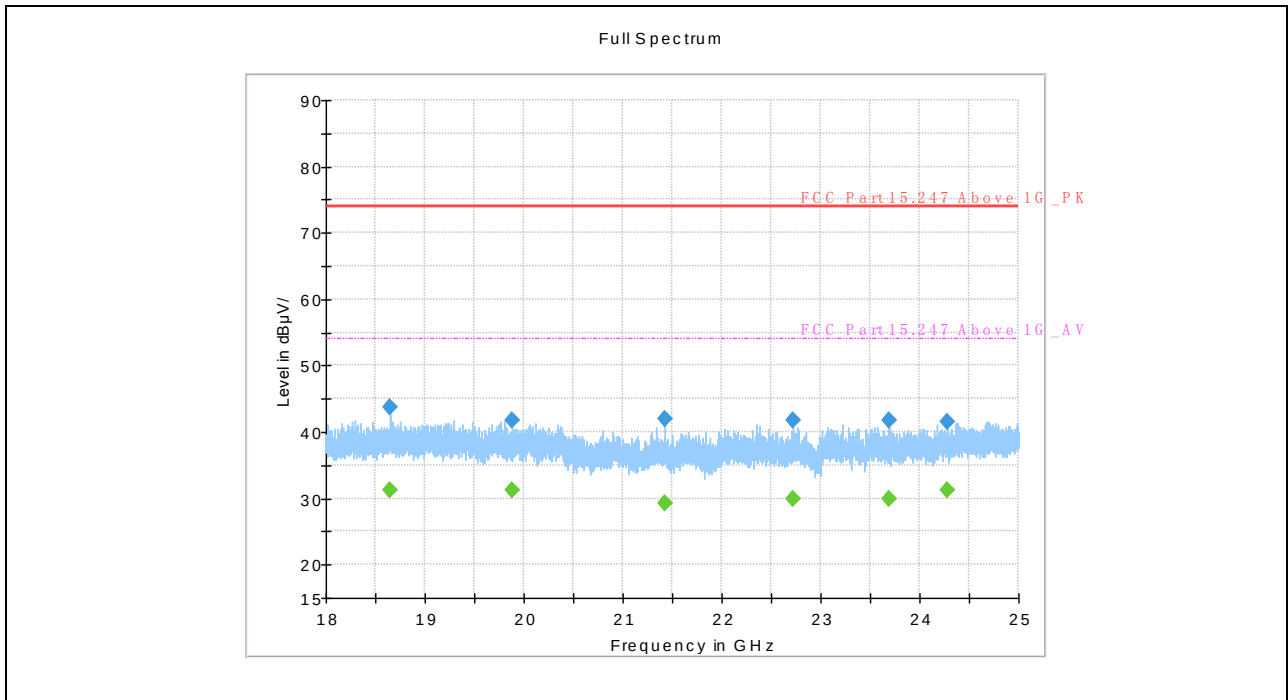
($\pi/4$ -DQPSK _2441MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1445.000000	38.78	---	74.00	35.22	V	1.1
1445.000000	---	26.25	54.00	27.75	V	1.1
1760.000000	---	29.54	54.00	24.46	V	5.0
1760.000000	40.58	---	74.00	33.42	V	5.0
2110.000000	---	30.68	54.00	23.32	V	7.9
2110.000000	41.51	---	74.00	32.49	V	7.9
2385.000000	44.91	---	74.00	29.09	V	12.0
2385.000000	---	34.94	54.00	19.06	V	12.0
2555.000000	47.22	---	74.00	26.78	V	14.2
2555.000000	---	35.93	54.00	18.07	V	14.2
2855.000000	47.97	---	74.00	26.03	V	15.2
2855.000000	---	36.82	54.00	17.18	V	15.2



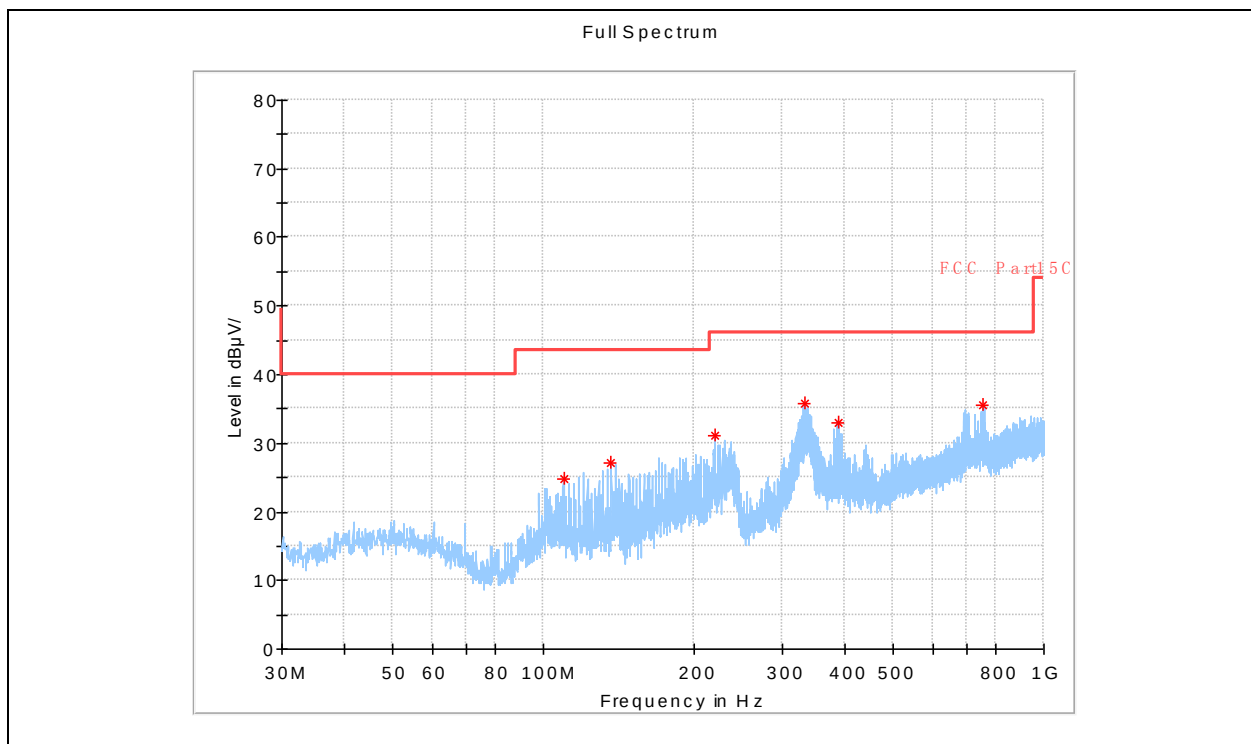
($\pi/4$ -DQPSK _2441MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	43.24	---	74.00	30.76	V	-2.8
4882.500000	---	29.91	54.00	24.09	V	-2.8
6202.500000	43.84	---	74.00	30.16	V	-1.5
6202.500000	---	30.66	54.00	23.34	V	-1.5
8482.500000	44.17	---	74.00	29.83	V	0.7
8482.500000	---	31.05	54.00	22.95	V	0.7
10702.50000	44.32	---	74.00	29.68	V	2.6
10702.50000	---	31.63	54.00	22.37	V	2.6
14970.00000	47.26	---	74.00	26.74	V	10.0
14970.00000	---	36.10	54.00	17.90	V	10.0
18000.00000	51.03	---	74.00	22.97	V	14.9
18000.00000	---	39.53	54.00	14.47	V	14.9



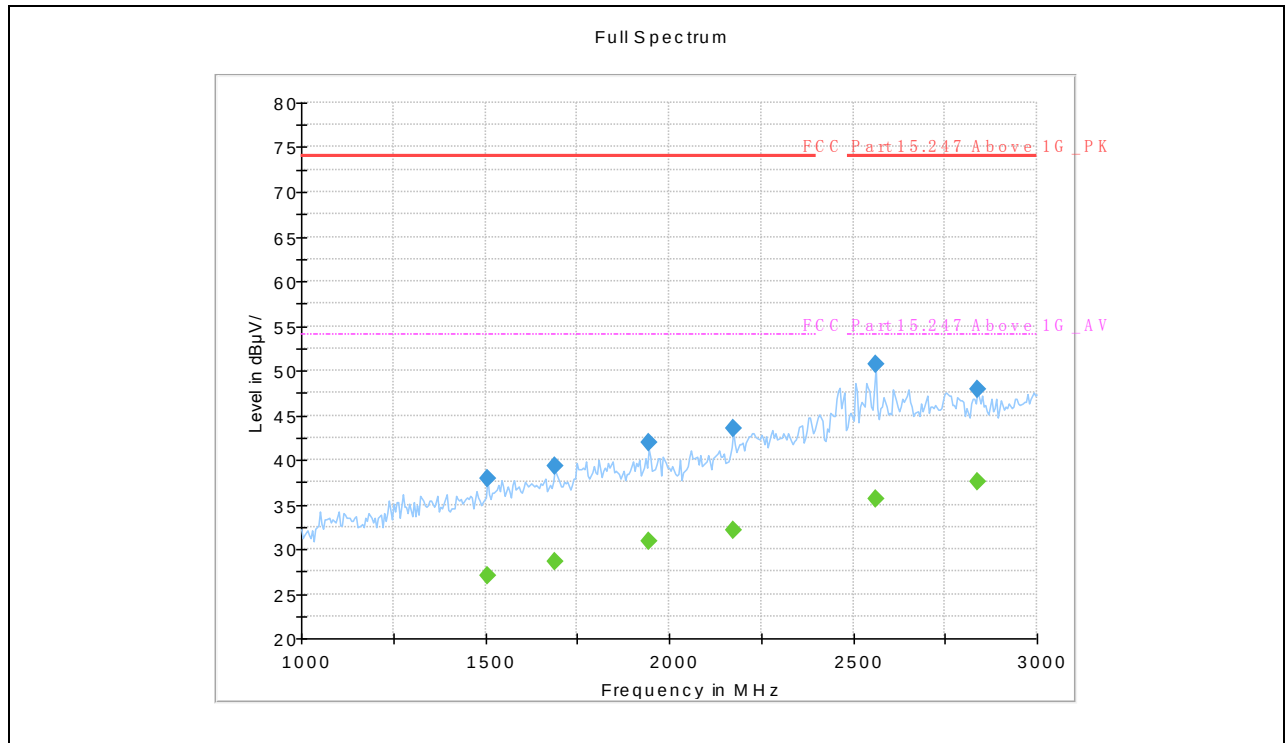
($\pi/4$ -DQPSK _2441MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18654.111111	43.67	---	74.00	30.33	V	-5.3
18654.111111	---	31.22	54.00	22.78	V	-5.3
19877.555556	---	31.12	54.00	22.88	V	-5.1
19877.555556	41.83	---	74.00	32.17	V	-5.1
21422.222222	---	29.34	54.00	24.66	V	-5.0
21422.222222	41.93	---	74.00	32.07	V	-5.0
22716.444444	---	30.00	54.00	24.00	V	-4.9
22716.444444	41.75	---	74.00	32.25	V	-4.9
23684.388889	41.78	---	74.00	32.22	V	-5.0
23684.388889	---	29.89	54.00	24.11	V	-5.0
24279.000000	---	31.23	54.00	22.77	V	-4.6
24279.000000	41.46	---	74.00	32.54	V	-4.6



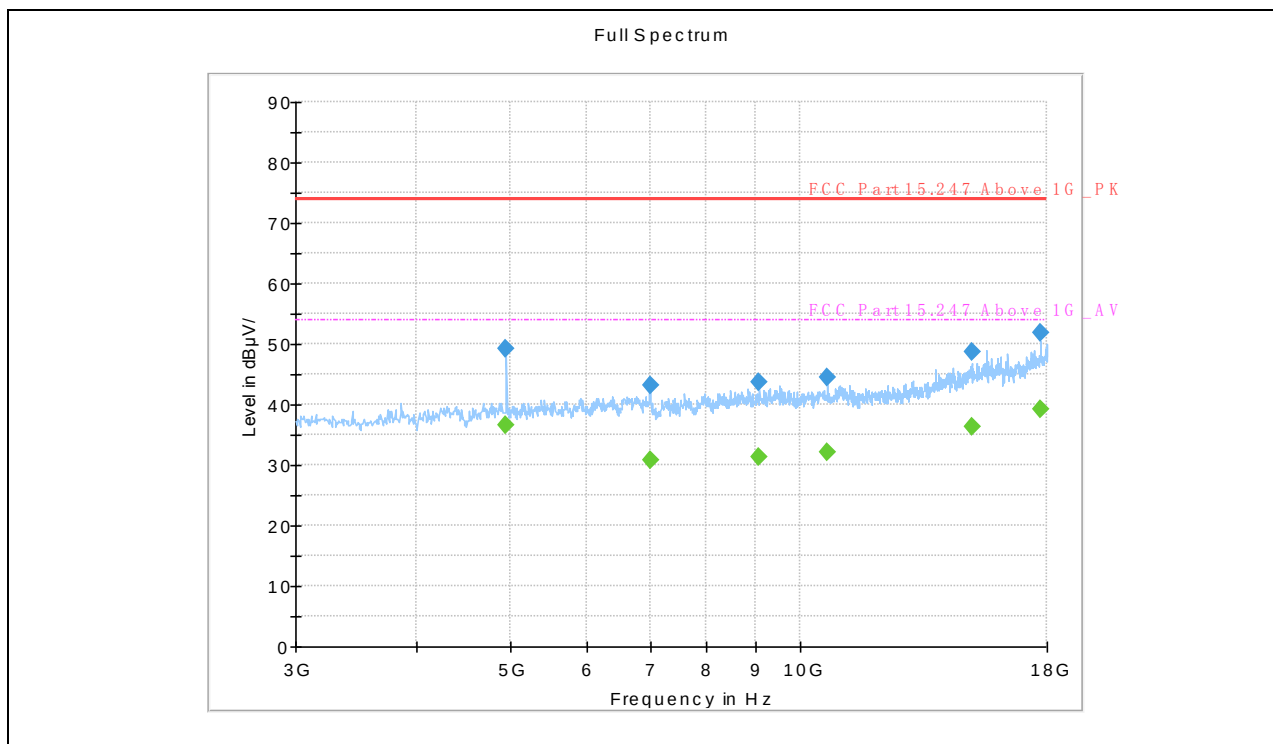
($\pi/4$ -DQPSK _2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
109.593889	24.85	---	43.50	18.65	H	14.9
136.700000	27.05	---	43.50	16.45	H	11.0
220.497222	31.15	---	46.00	14.85	H	14.7
334.041111	35.74	---	46.00	10.26	H	17.3
387.498889	32.87	---	46.00	13.13	H	18.4
755.344444	35.48	---	46.00	10.52	H	26.1



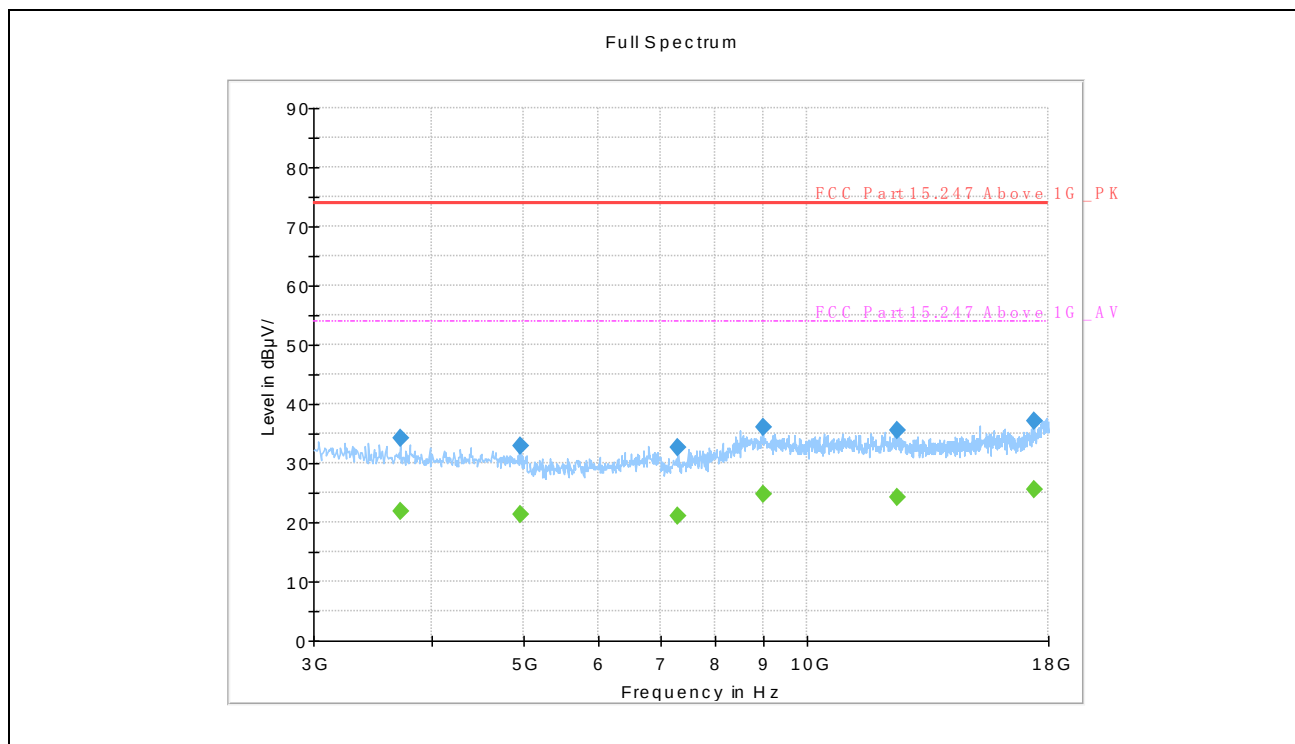
($\pi/4$ -DQPSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1505.000000	37.88	---	74.00	36.12	H	2.0
1505.000000	---	27.00	54.00	27.00	H	2.0
1690.000000	39.23	---	74.00	34.77	H	3.7
1690.000000	---	28.56	54.00	25.44	H	3.7
1945.000000	---	30.82	54.00	23.18	H	6.8
1945.000000	41.89	---	74.00	32.11	H	6.8
2175.000000	43.46	---	74.00	30.54	H	8.8
2175.000000	---	32.06	54.00	21.94	H	8.8
2560.000000	50.63	---	74.00	23.37	H	14.0
2560.000000	---	35.70	54.00	18.30	H	14.0
2840.000000	---	37.48	54.00	16.52	H	15.5
2840.000000	47.90	---	74.00	26.10	H	15.5



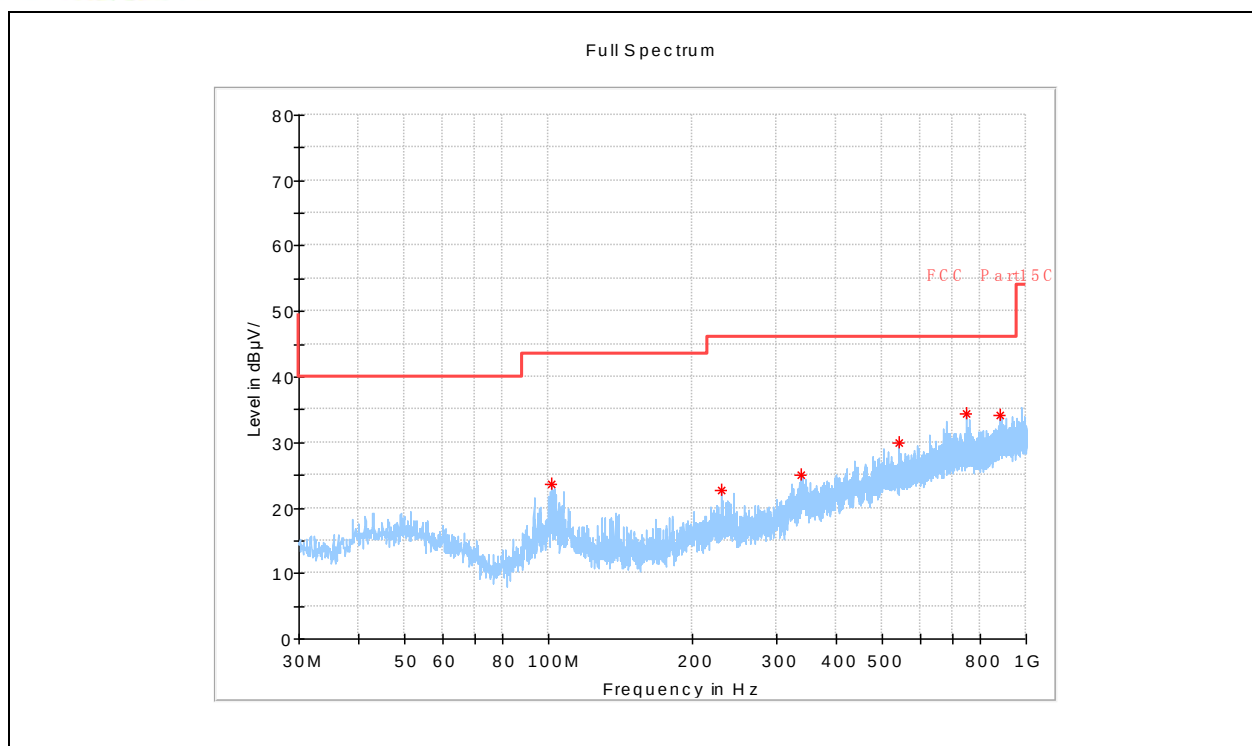
($\pi/4$ -DQPSK _2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4957.500000	49.20	---	74.00	24.80	H	83.0
4957.500000	---	36.63	54.00	17.37	H	83.0
6982.500000	43.26	---	74.00	30.74	H	108.0
6982.500000	---	30.86	54.00	23.14	H	108.0
9067.500000	---	31.38	54.00	22.62	H	77.0
9067.500000	43.68	---	74.00	30.32	H	77.0
10657.500000	44.57	---	74.00	29.43	H	180.0
10657.500000	---	32.03	54.00	21.97	H	180.0
15037.500000	48.64	---	74.00	25.36	H	38.0
15037.500000	---	36.21	54.00	17.79	H	38.0
17722.500000	---	39.30	54.00	14.70	H	180.0
17722.500000	51.91	---	74.00	22.09	H	180.0

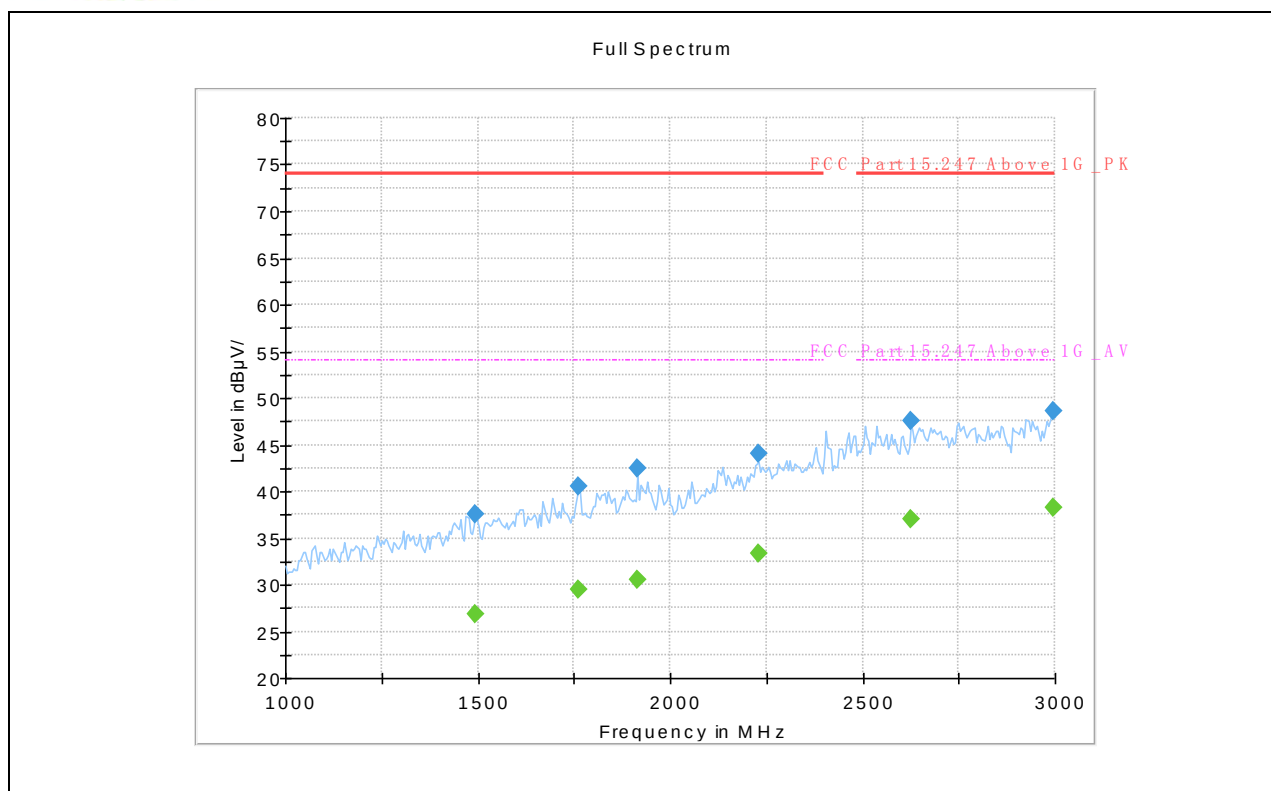


($\pi/4$ -DQPSK _2480MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3705.000000	34.17	---	74.00	39.83	H	-11.6
3705.000000	---	21.82	54.00	32.18	H	-11.6
4972.500000	32.81	---	74.00	41.19	H	-10.9
4972.500000	---	21.34	54.00	32.66	H	-10.9
7305.000000	---	21.14	54.00	32.86	H	-9.4
7305.000000	32.53	---	74.00	41.47	H	-9.4
8970.000000	36.04	---	74.00	37.96	H	-5.2
8970.000000	---	24.85	54.00	29.15	H	-5.2
12450.000000	35.50	---	74.00	38.50	H	-3.4
12450.000000	---	24.28	54.00	29.72	H	-3.4
17362.500000	---	25.60	54.00	28.40	H	1.3
17362.500000	36.98	---	74.00	37.02	H	1.3

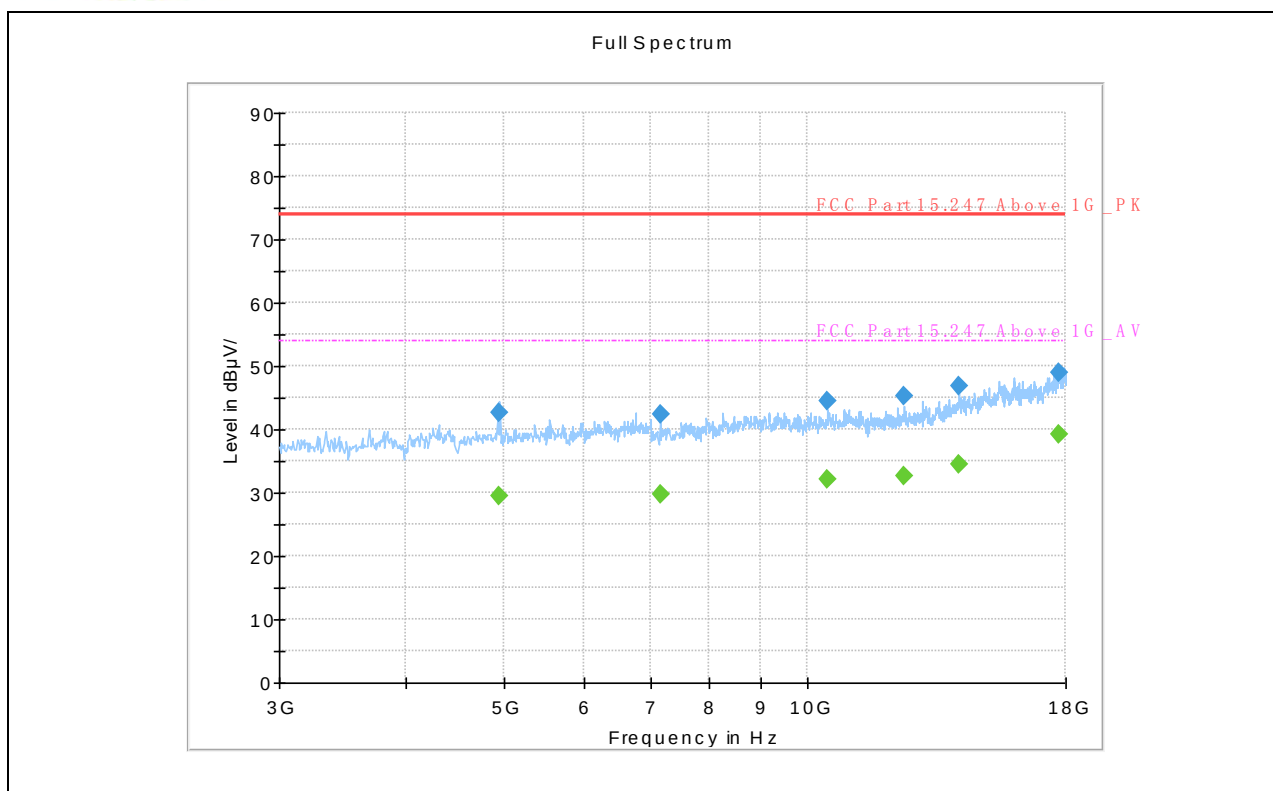


Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
101.348889	23.65	---	43.50	19.85	V	14.9
229.658333	22.77	---	46.00	23.23	V	14.4
338.028889	25.10	---	46.00	20.90	V	18.0
539.950556	29.89	---	46.00	16.11	V	22.4
747.907778	34.48	---	46.00	11.52	V	26.0
881.444444	34.21	---	46.00	11.79	V	27.7



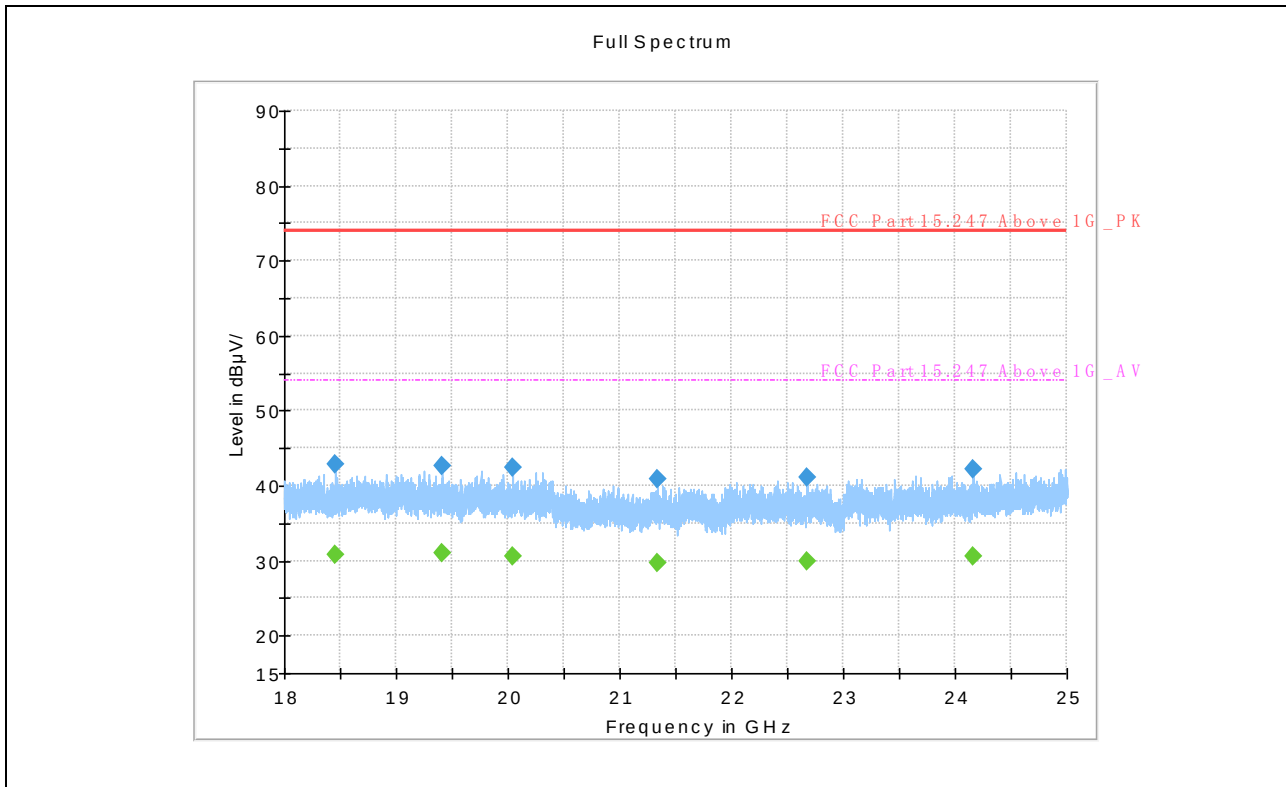
($\pi/4$ -DQPSK _2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1495.000000	37.57	---	74.00	36.43	V	1.9
1495.000000	---	26.77	54.00	27.23	V	1.9
1760.000000	40.49	---	74.00	33.51	V	5.0
1760.000000	---	29.53	54.00	24.47	V	5.0
1915.000000	42.49	---	74.00	31.51	V	6.2
1915.000000	---	30.44	54.00	23.56	V	6.2
2230.000000	43.97	---	74.00	30.03	V	9.7
2230.000000	---	33.30	54.00	20.70	V	9.7
2625.000000	---	37.02	54.00	16.98	V	14.2
2625.000000	47.49	---	74.00	26.51	V	14.2
2995.000000	---	38.25	54.00	15.75	V	16.3
2995.000000	48.52	---	74.00	25.48	V	16.3



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

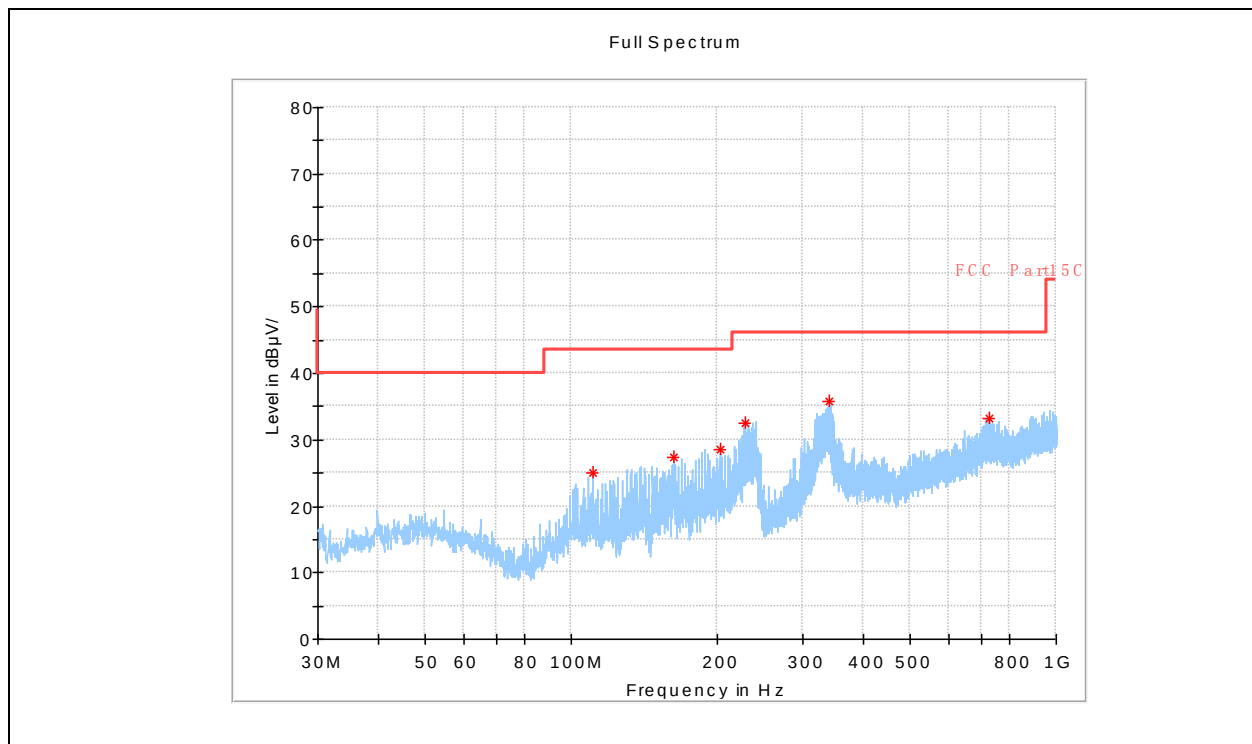
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4957.500000	---	29.57	54.00	24.43	V	-3.0
4957.500000	42.58	---	74.00	31.42	V	-3.0
7147.500000	42.28	---	74.00	31.72	V	-0.5
7147.500000	---	29.73	54.00	24.27	V	-0.5
10447.50000	44.54	---	74.00	29.46	V	2.8
10447.50000	---	32.16	54.00	21.84	V	2.8
12465.00000	45.29	---	74.00	28.71	V	4.8
12465.00000	---	32.60	54.00	21.40	V	4.8
14130.00000	---	34.60	54.00	19.40	V	8.0
14130.00000	46.89	---	74.00	27.11	V	8.0
17722.50000	48.86	---	74.00	25.14	V	14.7
17722.50000	---	39.26	54.00	14.74	V	14.7



($\pi/4$ -DQPSK _2480MHz, Antenna Vertical, 18GHz to 25GHz)

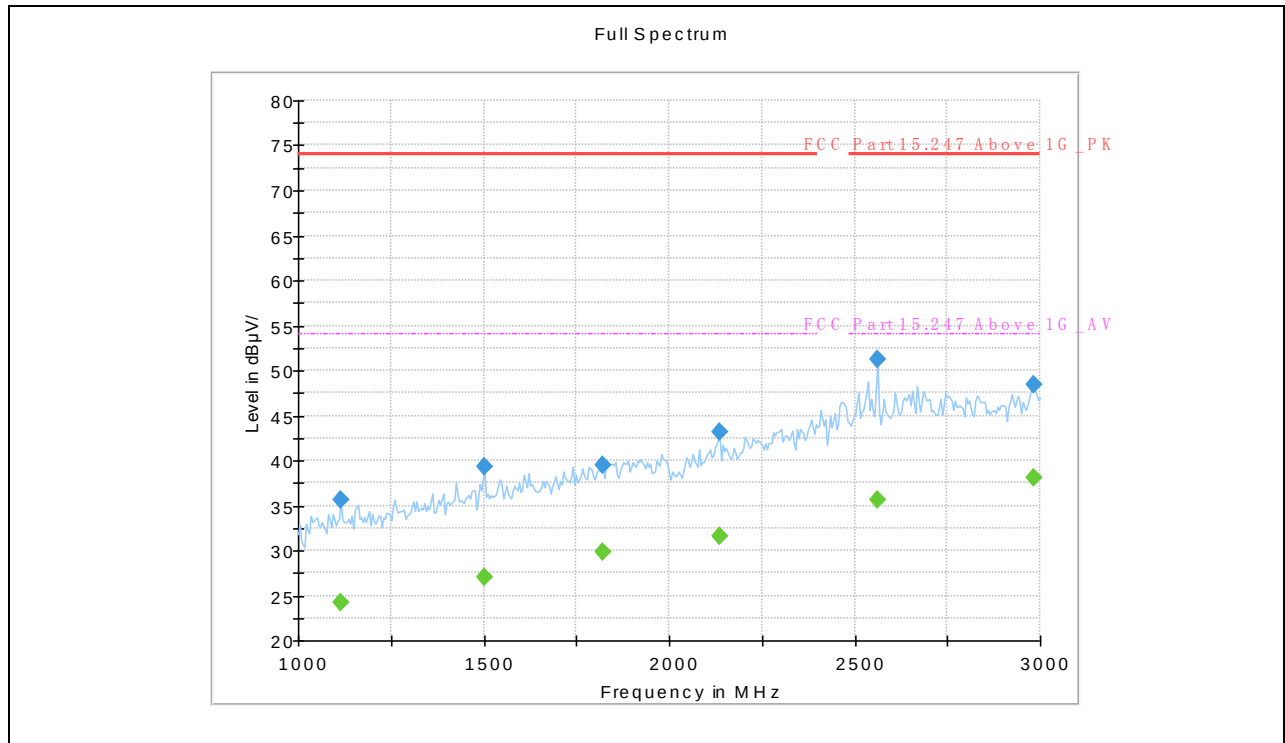
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18449.944444	42.94	---	74.00	31.06	V	-5.3
18449.944444	---	30.78	54.00	23.22	V	-5.3
19408.944444	---	31.03	54.00	22.97	V	-5.4
19408.944444	42.71	---	74.00	31.29	V	-5.4
20047.500000	42.38	---	74.00	31.62	V	-5.0
20047.500000	---	30.53	54.00	23.47	V	-5.0
21331.611111	---	29.73	54.00	24.27	V	-4.9
21331.611111	40.83	---	74.00	33.17	V	-4.9
22677.555556	41.08	---	74.00	32.92	V	-4.9
22677.555556	---	29.92	54.00	24.08	V	-4.9
24168.555556	42.26	---	74.00	31.74	V	-4.6
24168.555556	---	30.65	54.00	23.35	V	-4.6

8-DPSK Test mode



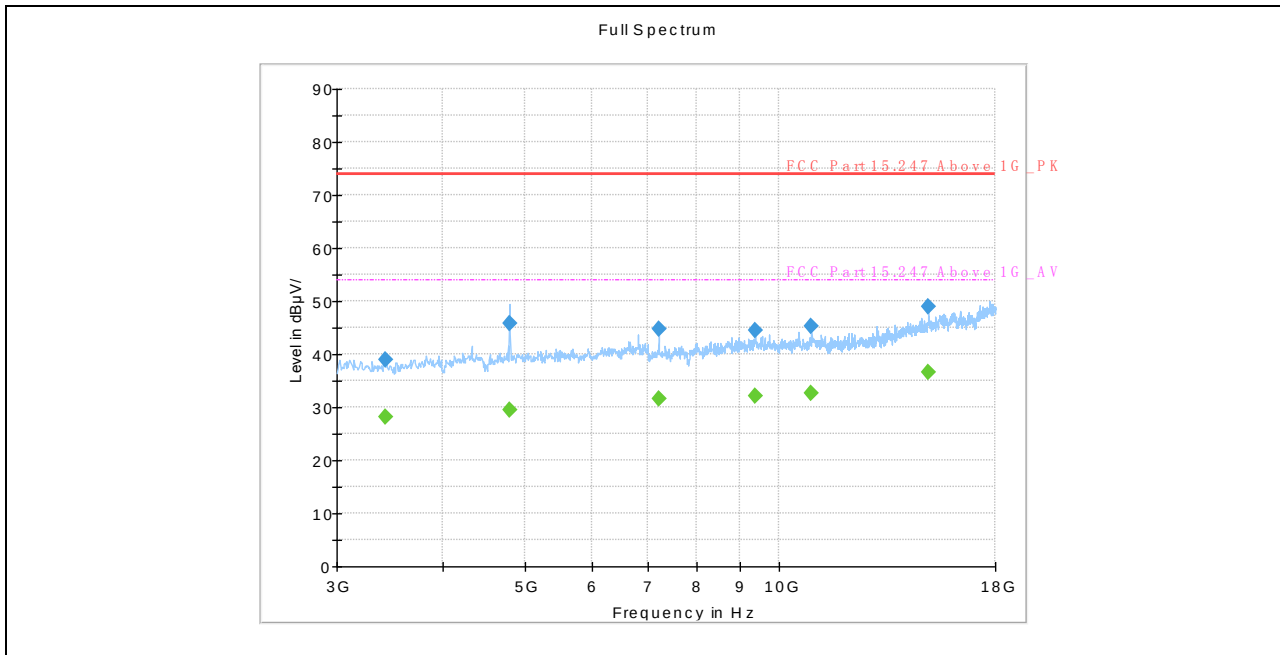
(8-DPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
110.833333	24.98	---	43.50	18.52	H	14.6
162.458889	27.35	---	43.50	16.15	H	11.7
202.390556	28.55	---	43.50	14.95	H	13.9
228.634444	32.43	---	46.00	13.57	H	14.3
340.400000	35.68	---	46.00	10.32	H	18.2
725.436111	33.27	---	46.00	12.73	H	25.2



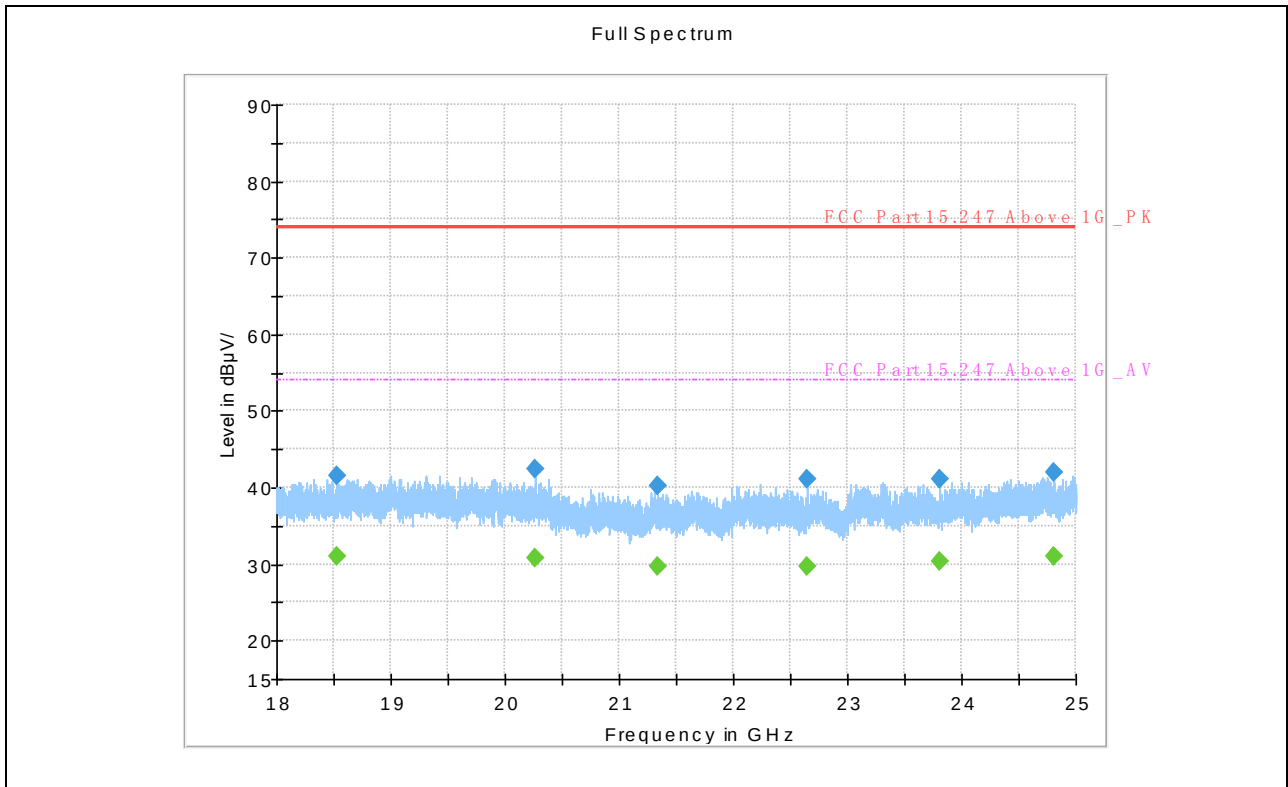
(8-DPSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1115.000000	---	24.17	54.00	29.83	H	-2.0
1115.000000	35.61	---	74.00	38.39	H	-2.0
1500.000000	---	26.97	54.00	27.03	H	2.0
1500.000000	39.25	---	74.00	34.75	H	2.0
1820.000000	39.39	---	74.00	34.61	H	5.5
1820.000000	---	29.75	54.00	24.25	H	5.5
2135.000000	43.09	---	74.00	30.91	H	8.2
2135.000000	---	31.55	54.00	22.45	H	8.2
2560.000000	---	35.63	54.00	18.37	H	14.0
2560.000000	51.22	---	74.00	22.78	H	14.0
2985.000000	---	38.14	54.00	15.86	H	16.4
2985.000000	48.42	---	74.00	25.58	H	16.4



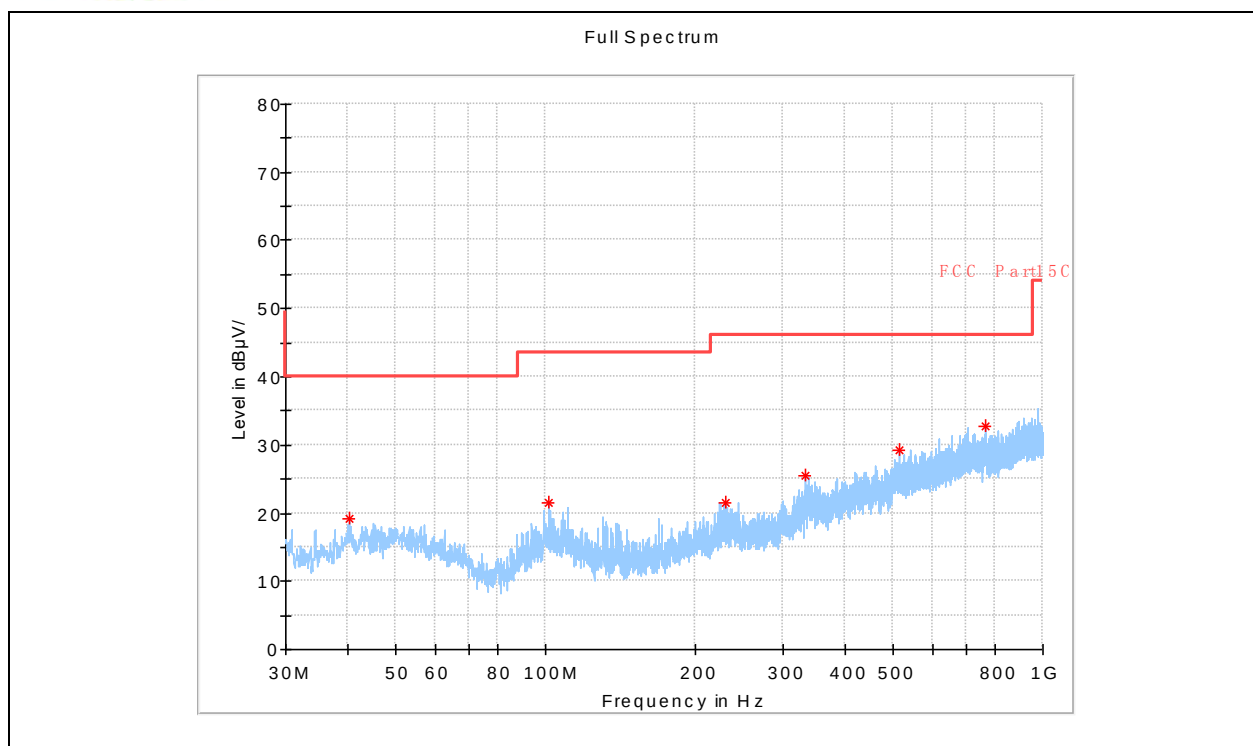
(8-DPSK _2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3427.500000	38.86	---	74.00	35.14	H	-5.8
3427.500000	---	28.06	54.00	25.94	H	-5.8
4800.000000	---	29.56	54.00	24.44	H	-3.4
4800.000000	45.76	---	74.00	28.24	H	-3.4
7207.500000	---	31.55	54.00	22.45	H	-0.4
7207.500000	44.72	---	74.00	29.28	H	-0.4
9375.000000	44.47	---	74.00	29.53	H	2.0
9375.000000	---	32.22	54.00	21.78	H	2.0
10920.00000	---	32.68	54.00	21.32	H	3.3
10920.00000	45.17	---	74.00	28.83	H	3.3
15015.00000	---	36.60	54.00	17.40	H	10.8
15015.00000	48.88	---	74.00	25.12	H	10.8



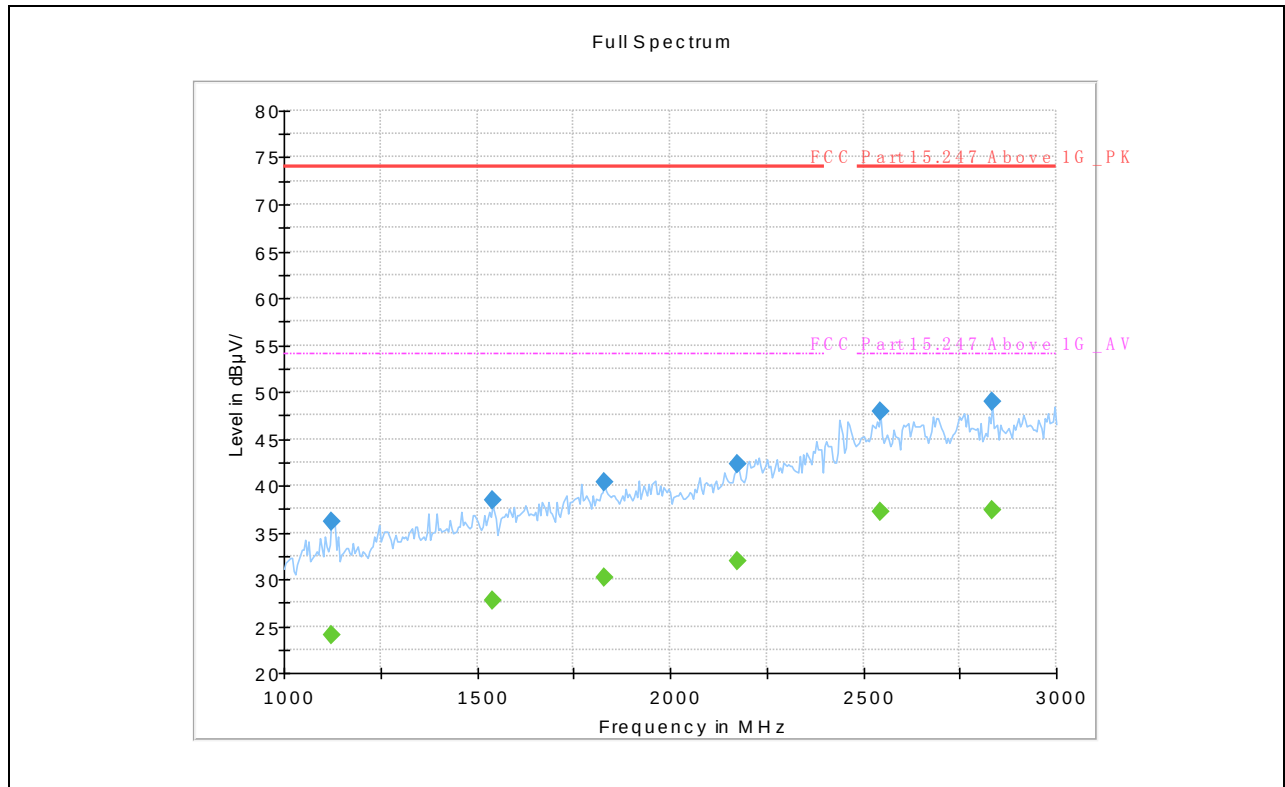
(8-DPSK _2402MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18528.500000	---	30.92	54.00	23.08	H	-5.2
18528.500000	41.52	---	74.00	32.48	H	-5.2
20262.944444	---	30.72	54.00	23.28	H	-5.0
20262.944444	42.50	---	74.00	31.50	H	-5.0
21341.333333	---	29.61	54.00	24.39	H	-4.9
21341.333333	40.29	---	74.00	33.71	H	-4.9
22643.722222	---	29.74	54.00	24.26	H	-4.9
22643.722222	41.02	---	74.00	32.98	H	-4.9
23809.222222	41.10	---	74.00	32.90	H	-4.8
23809.222222	---	30.25	54.00	23.75	H	-4.8
24803.611111	42.03	---	74.00	31.97	H	-4.8
24803.611111	---	30.97	54.00	23.03	H	-4.8



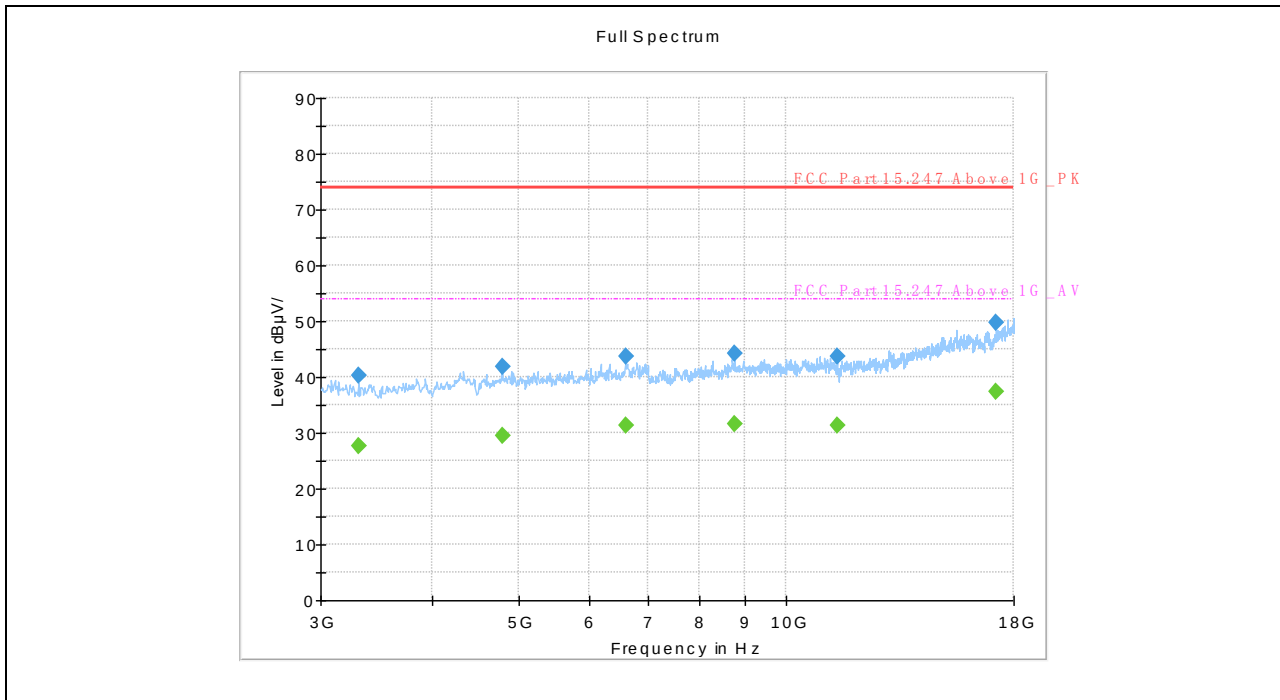
(8-DPSK _2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
40.292778	19.18	---	40.00	20.82	V	15.4
101.510556	21.51	---	43.50	21.99	V	14.9
229.496667	21.48	---	46.00	24.52	V	14.4
333.933333	25.61	---	46.00	20.39	V	17.3
514.245556	29.32	---	46.00	16.68	V	22.0
765.637222	32.85	---	46.00	13.15	V	26.2



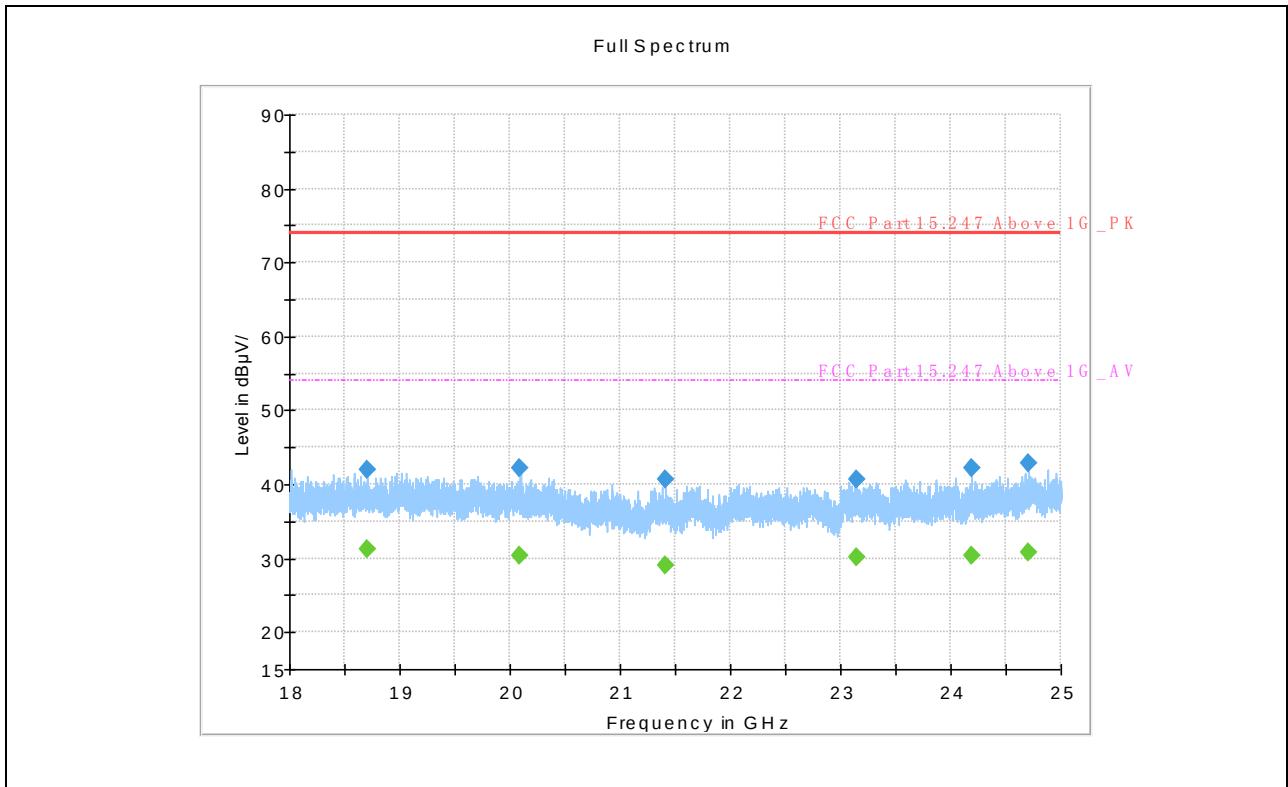
(8-DPSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1125.000000	36.21	---	74.00	37.79	V	-2.0
1125.000000	---	24.00	54.00	30.00	V	-2.0
1540.000000	---	27.72	54.00	26.28	V	2.8
1540.000000	38.44	---	74.00	35.56	V	2.8
1830.000000	40.33	---	74.00	33.67	V	5.9
1830.000000	---	30.20	54.00	23.80	V	5.9
2175.000000	42.35	---	74.00	31.65	V	8.8
2175.000000	---	31.99	54.00	22.01	V	8.8
2545.000000	47.90	---	74.00	26.10	V	14.6
2545.000000	---	37.27	54.00	16.73	V	14.6
2835.000000	---	37.35	54.00	16.65	V	15.4
2835.000000	49.00	---	74.00	25.00	V	15.4



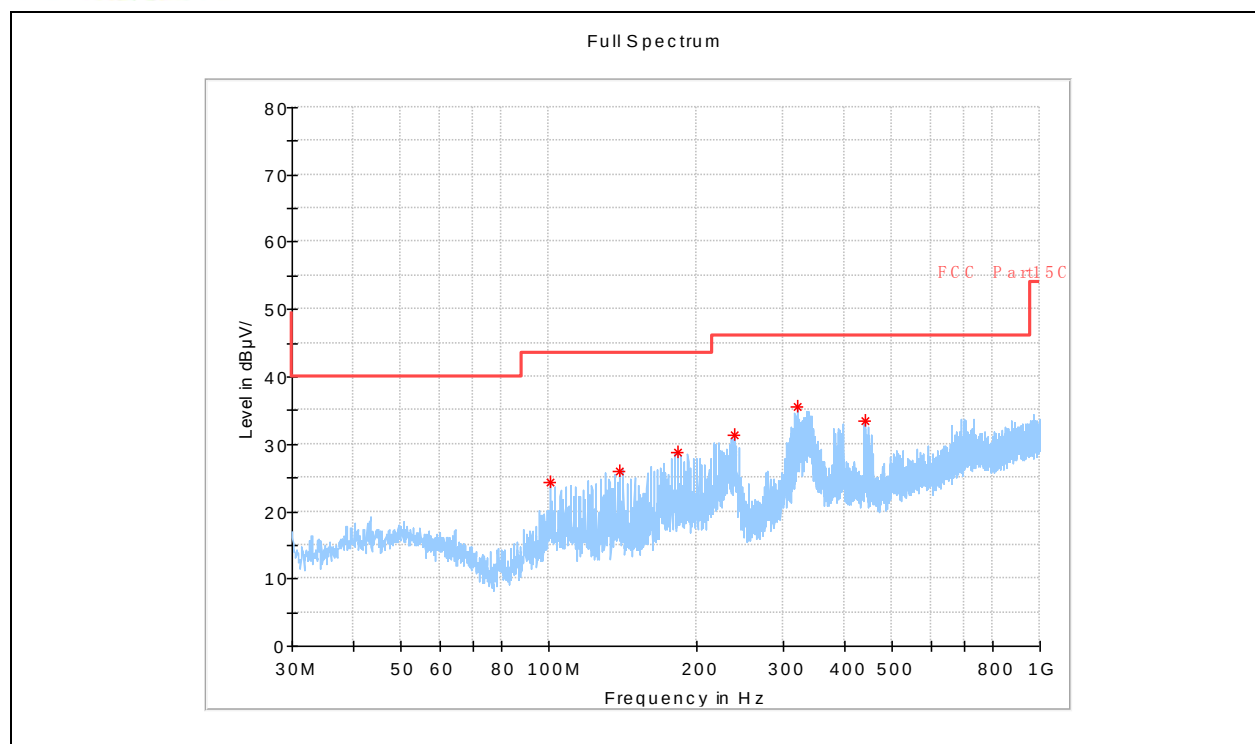
(8-DPSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3307.500000	40.38	---	74.00	33.62	V	-6.3
3307.500000	---	27.54	54.00	26.46	V	-6.3
4800.000000	41.79	---	74.00	32.21	V	-3.4
4800.000000	---	29.54	54.00	24.46	V	-3.4
6600.000000	---	31.32	54.00	22.68	V	-1.0
6600.000000	43.72	---	74.00	30.28	V	-1.0
8752.500000	---	31.70	54.00	22.30	V	1.4
8752.500000	44.09	---	74.00	29.91	V	1.4
11392.50000	43.61	---	74.00	30.39	V	3.1
11392.50000	---	31.32	54.00	22.68	V	3.1
17220.00000	49.85	---	74.00	24.15	V	12.7
17220.00000	---	37.40	54.00	16.60	V	12.7



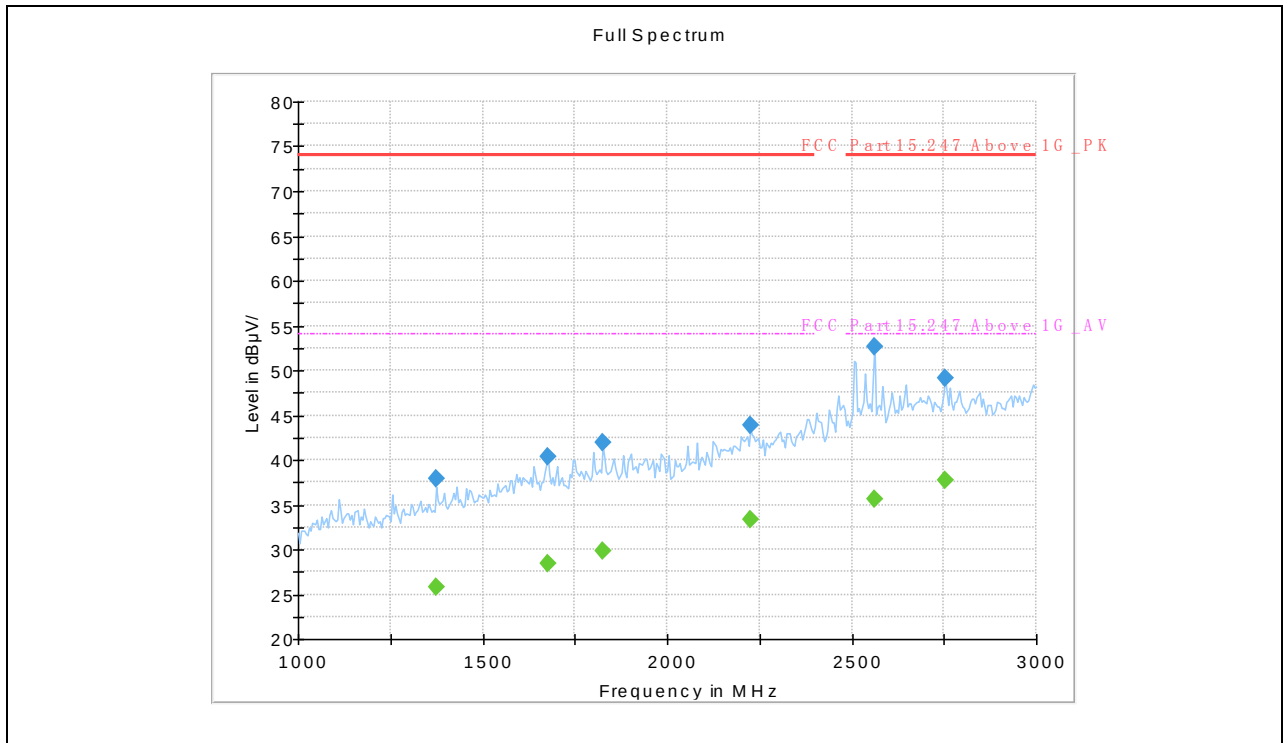
(8-DPSK _2402MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18707.000000	41.96	---	74.00	32.04	V	-5.3
18707.000000	---	31.19	54.00	22.81	V	-5.3
20095.333333	42.28	---	74.00	31.72	V	-5.0
20095.333333	---	30.38	54.00	23.62	V	-5.0
21416.000000	40.69	---	74.00	33.31	V	-5.0
21416.000000	---	29.10	54.00	24.90	V	-5.0
23141.888889	40.72	---	74.00	33.28	V	-5.0
23141.888889	---	30.18	54.00	23.82	V	-5.0
24191.500000	---	30.34	54.00	23.66	V	-4.6
24191.500000	42.26	---	74.00	31.74	V	-4.6
24709.500000	---	30.83	54.00	23.17	V	-4.8
24709.500000	42.88	---	74.00	31.12	V	-4.8



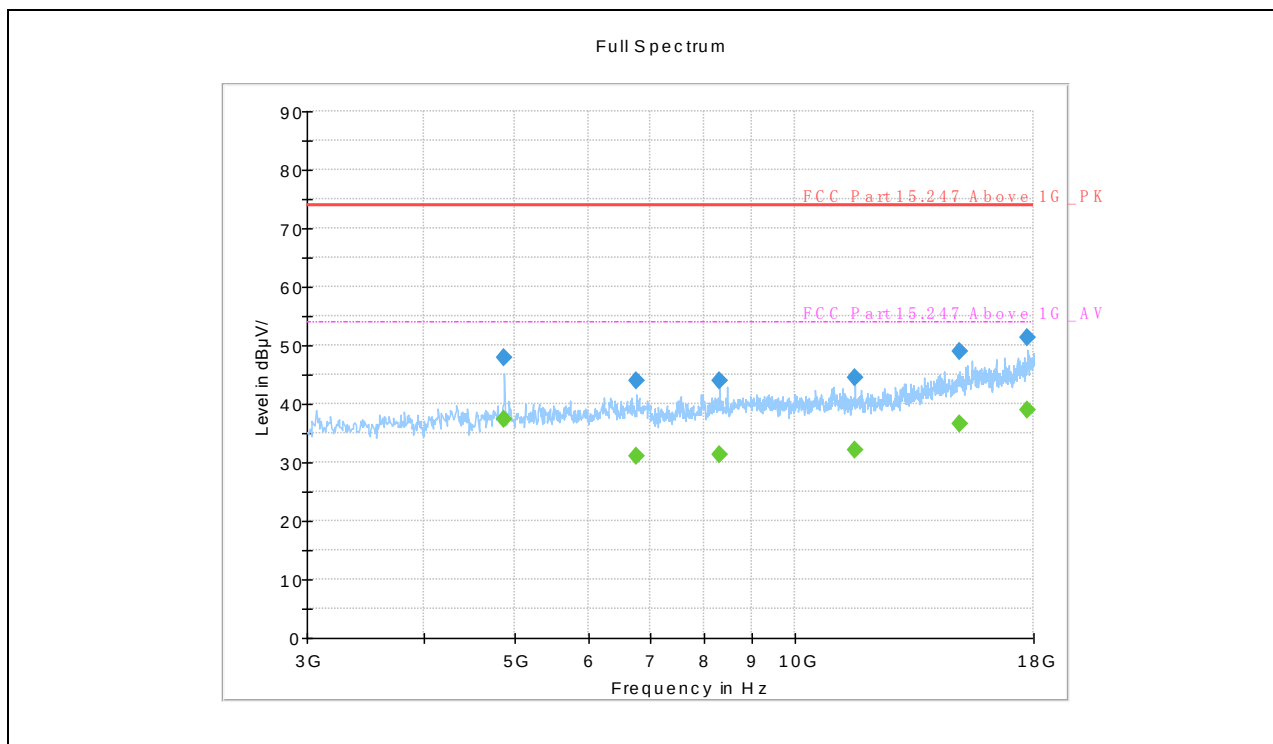
(8-DPSK _2441MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
100.540556	24.38	---	43.50	19.12	H	15.1
139.178889	25.99	---	43.50	17.51	H	11.8
183.098333	28.85	---	43.50	14.65	H	12.4
238.550000	31.34	---	46.00	14.66	H	15.0
319.868333	35.66	---	46.00	10.34	H	18.0
440.040556	33.51	---	46.00	12.49	H	20.6



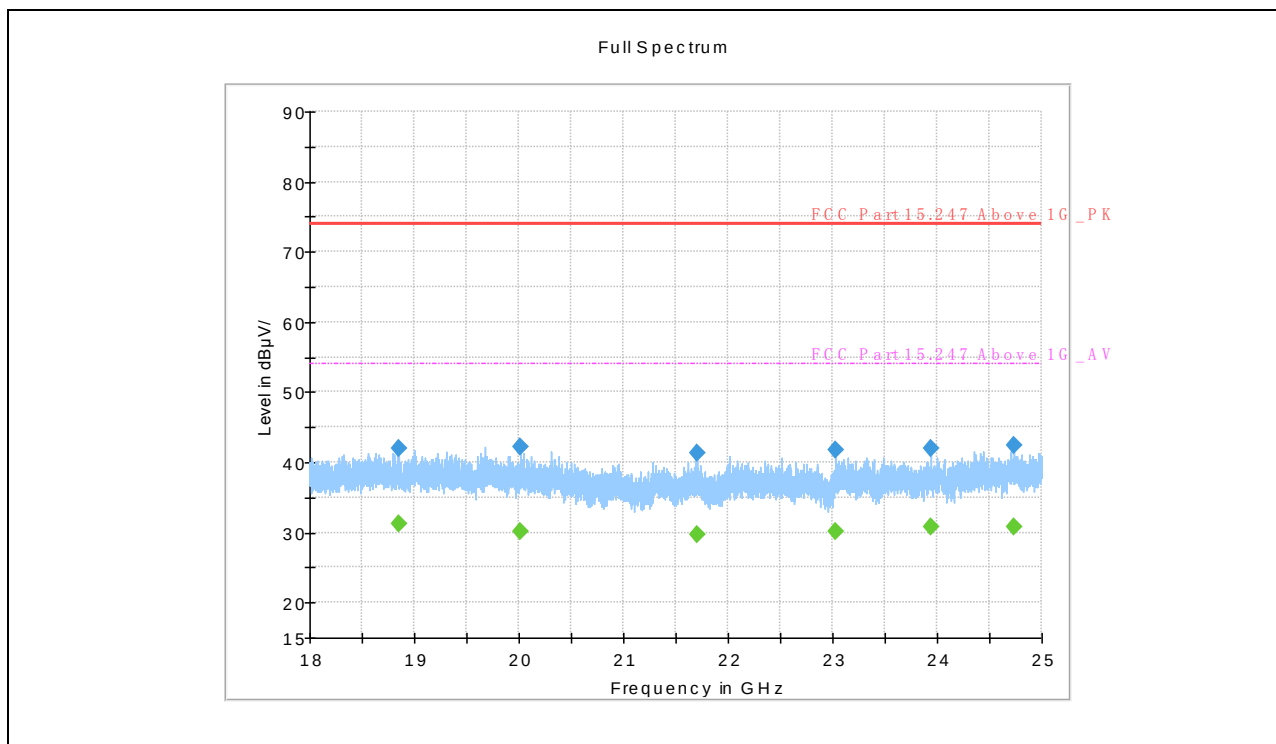
(8-DPSK _2441MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1375.000000	---	25.77	54.00	28.23	H	0.4
1375.000000	37.81	---	74.00	36.19	H	0.4
1675.000000	---	28.34	54.00	25.66	H	3.4
1675.000000	40.40	---	74.00	33.60	H	3.4
1825.000000	41.91	---	74.00	32.09	H	5.7
1825.000000	---	29.84	54.00	24.16	H	5.7
2225.000000	43.92	---	74.00	30.08	H	9.6
2225.000000	---	33.40	54.00	20.60	H	9.6
2560.000000	52.70	---	74.00	21.30	H	14.0
2560.000000	---	35.66	54.00	18.34	H	14.0
2755.000000	49.09	---	74.00	24.91	H	15.1
2755.000000	---	37.70	54.00	16.30	H	15.1



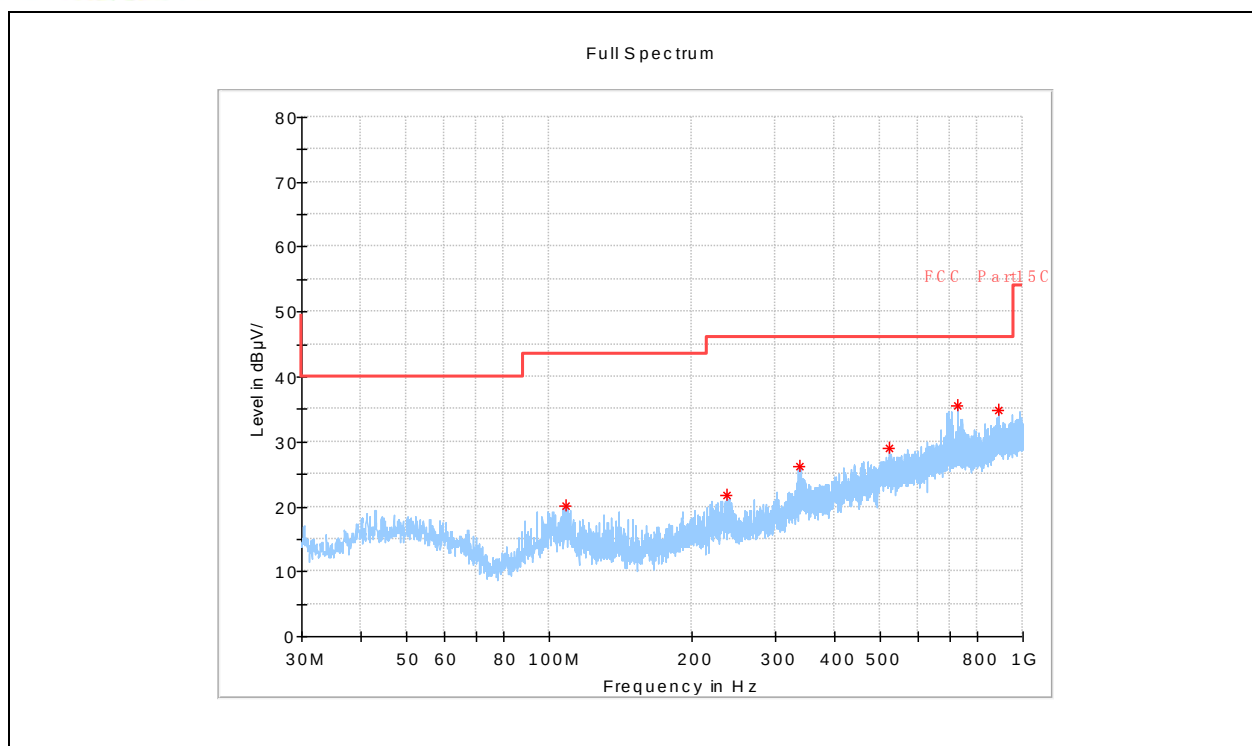
(8-DPSK _2441MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	---	37.32	54.00	16.68	H	-2.8
4882.500000	47.92	---	74.00	26.08	H	-2.8
6765.000000	43.94	---	74.00	30.06	H	-1.2
6765.000000	---	31.16	54.00	22.84	H	-1.2
8295.000000	43.92	---	74.00	30.08	H	1.0
8295.000000	---	31.26	54.00	22.74	H	1.0
11595.000000	44.58	---	74.00	29.42	H	3.2
11595.000000	---	32.01	54.00	21.99	H	3.2
15015.000000	---	36.55	54.00	17.45	H	10.8
15015.000000	48.82	---	74.00	25.18	H	10.8
17730.000000	51.30	---	74.00	22.70	H	14.9
17730.000000	---	39.04	54.00	14.96	H	14.9



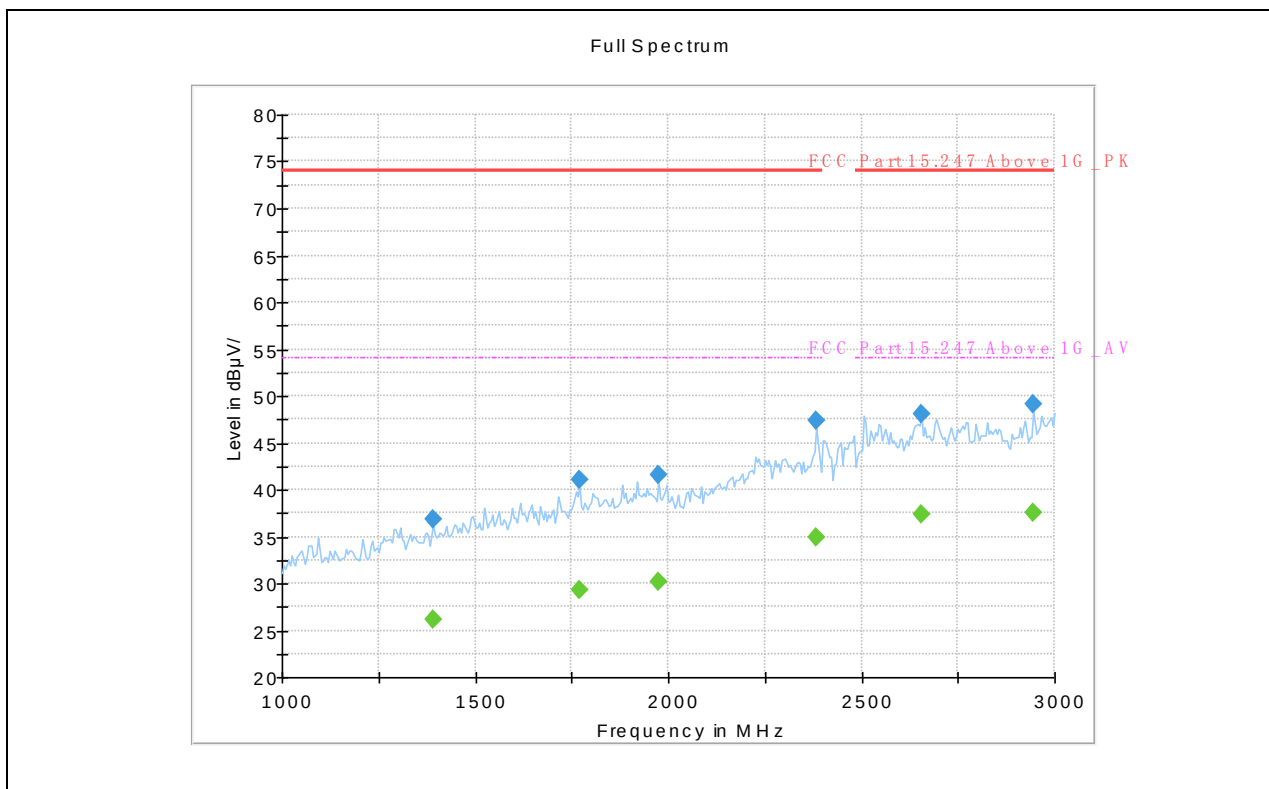
(8-DPSK _2441MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18847.000000	---	31.20	54.00	22.80	H	-5.3
18847.000000	41.97	---	74.00	32.03	H	-5.3
20013.277778	---	30.23	54.00	23.77	H	-5.0
20013.277778	42.23	---	74.00	31.77	H	-5.0
21704.944444	---	29.74	54.00	24.26	H	-5.1
21704.944444	41.36	---	74.00	32.64	H	-5.1
23034.555556	41.68	---	74.00	32.32	H	-5.0
23034.555556	---	30.18	54.00	23.82	H	-5.0
23941.833333	41.94	---	74.00	31.06	H	-4.7
23941.833333	---	30.75	54.00	23.25	H	-4.7
24734.777778	---	30.88	54.00	23.12	H	-4.8
24734.777778	42.38	---	74.00	31.62	H	-4.8



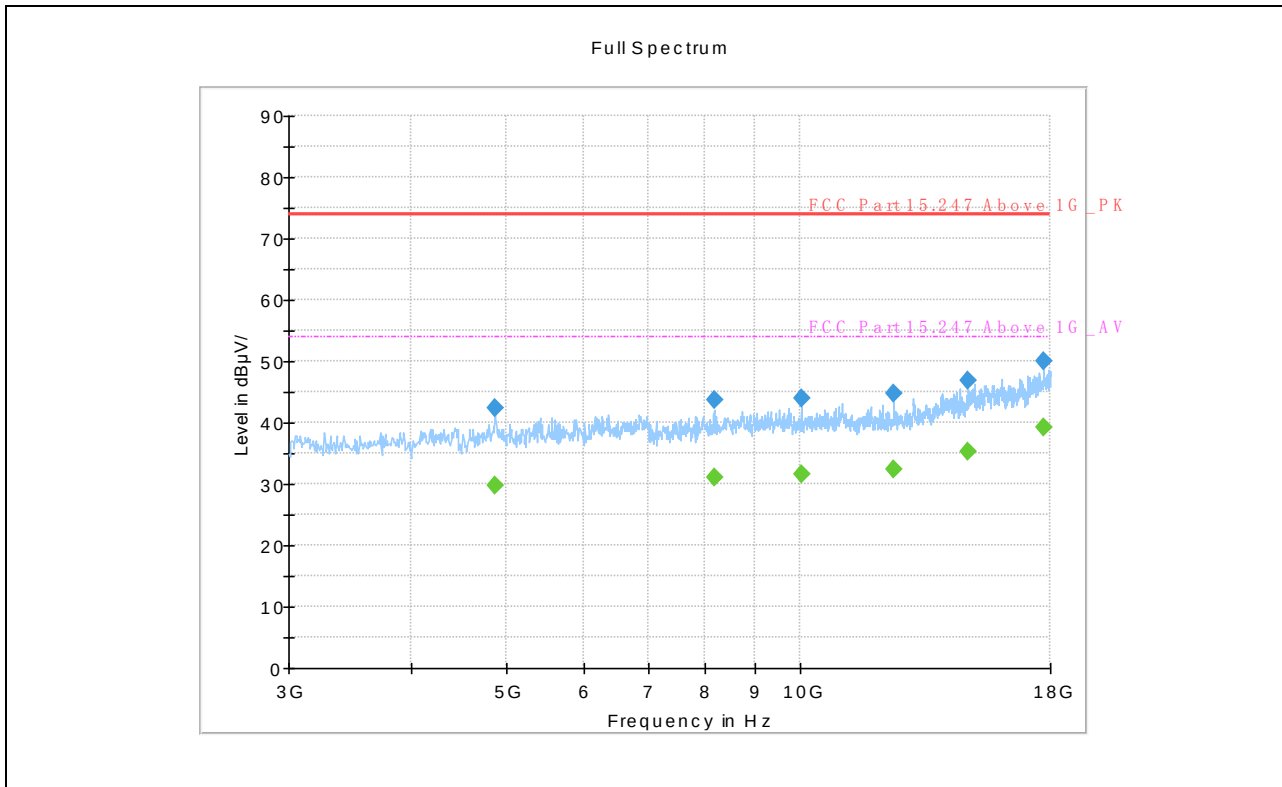
(8-DPSK _2441MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
108.246667	20.12	---	43.50	23.38	V	14.6
237.041111	21.75	---	46.00	24.25	V	14.8
339.052778	26.13	---	46.00	19.87	V	18.1
521.251111	29.11	---	46.00	16.89	V	22.1
729.693333	35.53	---	46.00	10.47	V	25.4
886.025000	34.84	---	46.00	11.16	V	27.8



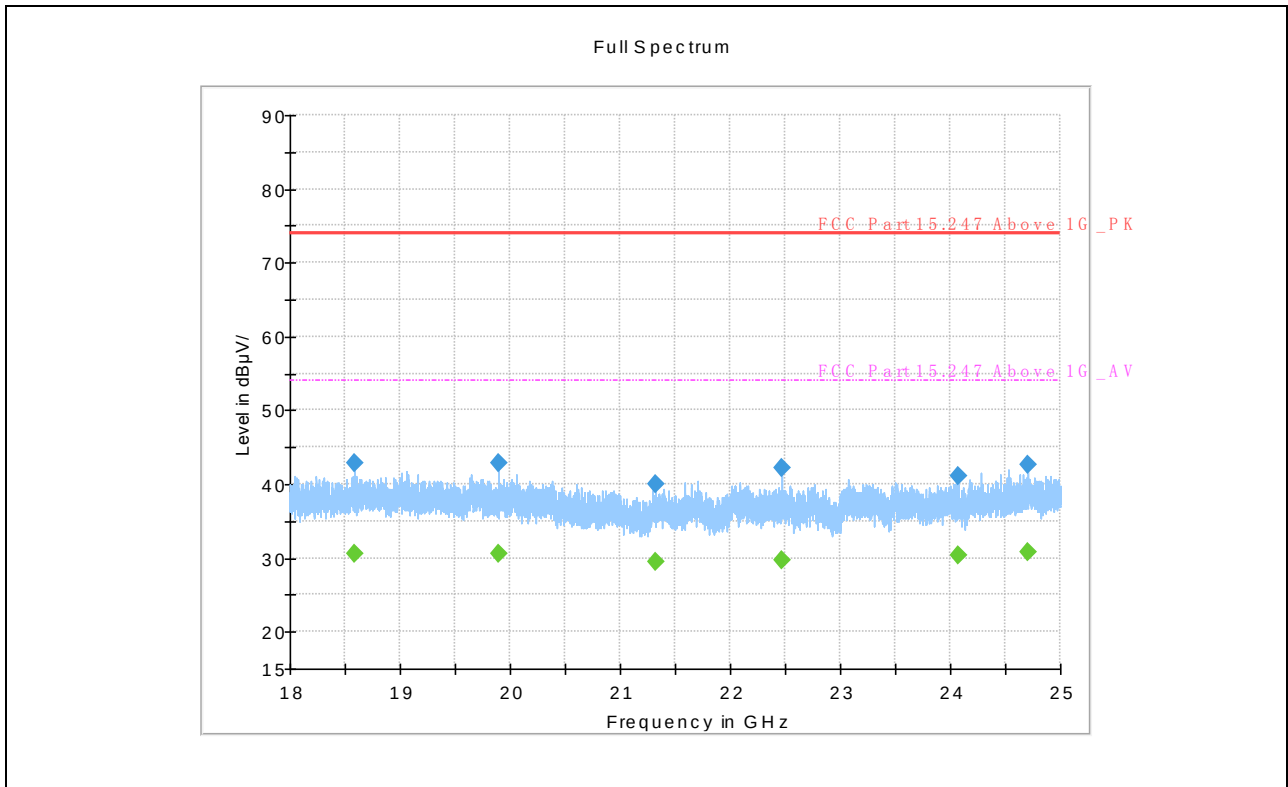
(8-DPSK _2441MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1390.000000	---	26.16	54.00	27.84	V	0.8
1390.000000	36.81	---	74.00	37.19	V	0.8
1770.000000	---	29.25	54.00	24.75	V	5.0
1770.000000	41.00	---	74.00	33.00	V	5.0
1975.000000	---	30.23	54.00	23.77	V	6.2
1975.000000	41.61	---	74.00	32.39	V	6.2
2385.000000	---	34.92	54.00	19.08	V	12.0
2385.000000	47.32	---	74.00	26.68	V	12.0
2655.000000	48.01	---	74.00	25.99	V	15.3
2655.000000	---	37.35	54.00	16.65	V	15.3
2945.000000	49.18	---	74.00	24.82	V	15.7
2945.000000	---	37.58	54.00	16.42	V	15.7



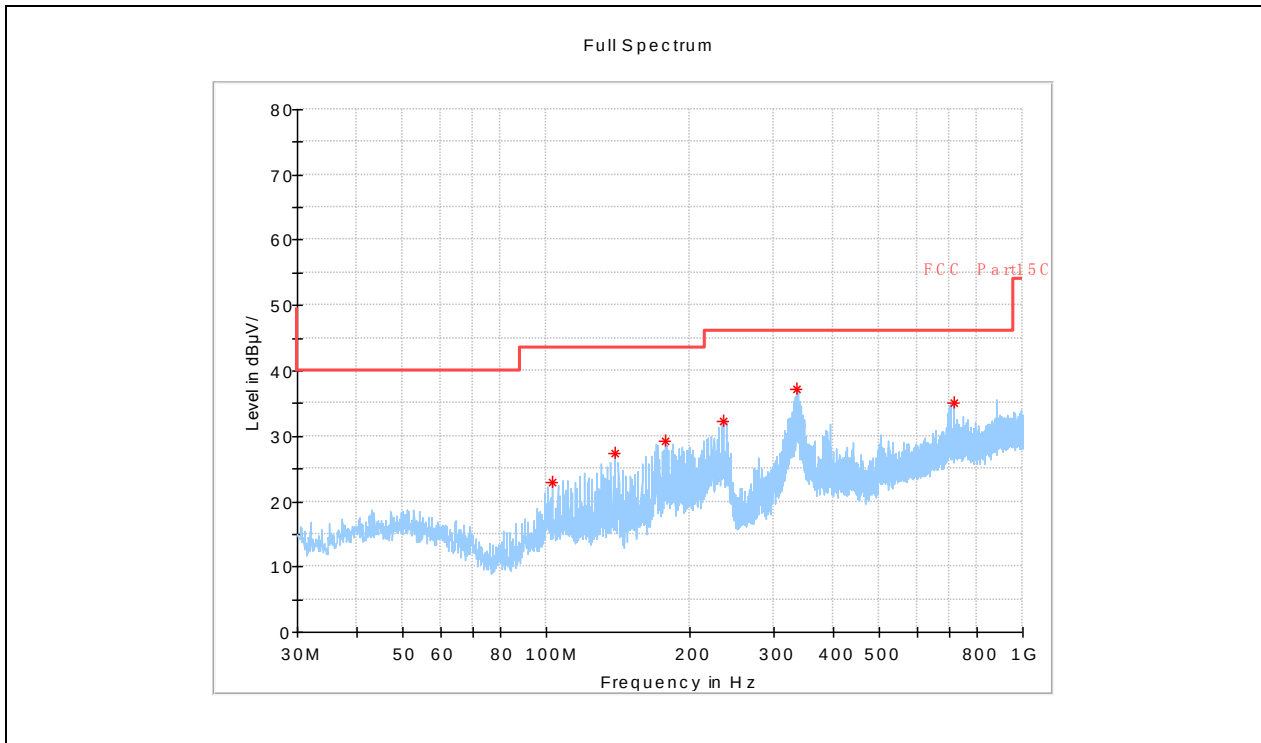
(8-DPSK _2441MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4875.000000	42.43	---	74.00	31.57	V	-2.9
4875.000000	---	29.77	54.00	24.23	V	-2.9
8160.000000	---	31.17	54.00	22.83	V	0.8
8160.000000	43.56	---	74.00	30.44	V	0.8
10020.00000	44.03	---	74.00	29.97	V	1.9
10020.00000	---	31.57	54.00	22.43	V	1.9
12450.00000	---	32.34	54.00	21.66	V	4.7
12450.00000	44.67	---	74.00	29.33	V	4.7
14820.00000	46.72	---	74.00	27.28	V	8.8
14820.00000	---	35.24	54.00	18.76	V	8.8
17722.50000	50.08	---	74.00	23.92	V	14.7
17722.50000	---	39.20	54.00	14.80	V	14.7

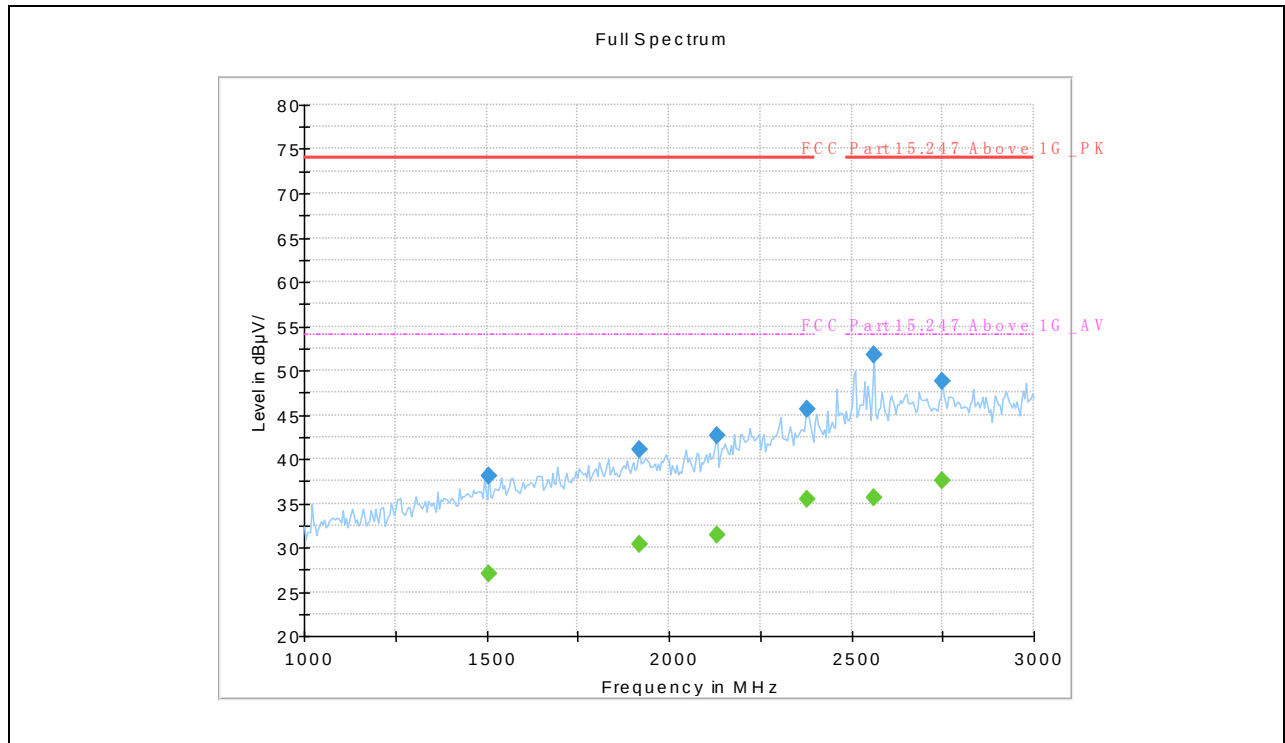


(8-DPSK _2441MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18592.277778	---	30.48	54.00	23.52	V	-5.2
18592.277778	42.84	---	74.00	31.16	V	-5.2
19901.666667	42.79	---	74.00	31.21	V	-5.0
19901.666667	---	30.66	54.00	23.34	V	-5.0
21319.166667	---	29.52	54.00	24.48	V	-4.9
21319.166667	40.08	---	74.00	33.92	V	-4.9
22469.500000	42.13	---	74.00	31.87	V	-4.9
22469.500000	---	29.76	54.00	24.24	V	-4.9
24069.000000	40.99	---	74.00	33.01	V	-4.6
24069.000000	---	30.42	54.00	23.58	V	-4.6
24705.222222	42.62	---	74.00	31.38	V	-4.8
24705.222222	---	30.79	54.00	23.21	V	-4.8

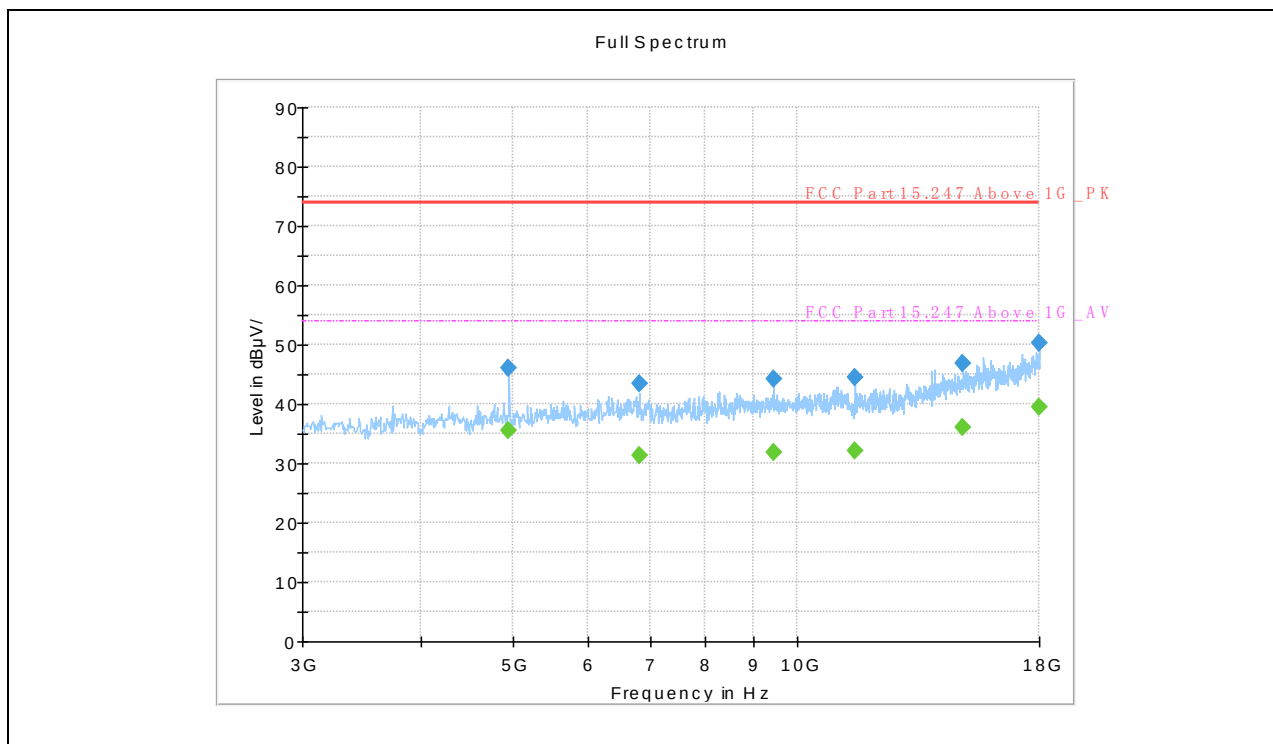


Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
103.073333	22.99	---	43.50	20.51	H	14.5
139.232778	27.32	---	43.50	16.18	H	11.8
177.871111	29.34	---	43.50	14.16	H	12.2
235.963333	32.18	---	46.00	13.82	H	14.7
335.118889	37.16	---	46.00	8.84	H	17.5
715.790000	34.98	---	46.00	11.02	H	25.0

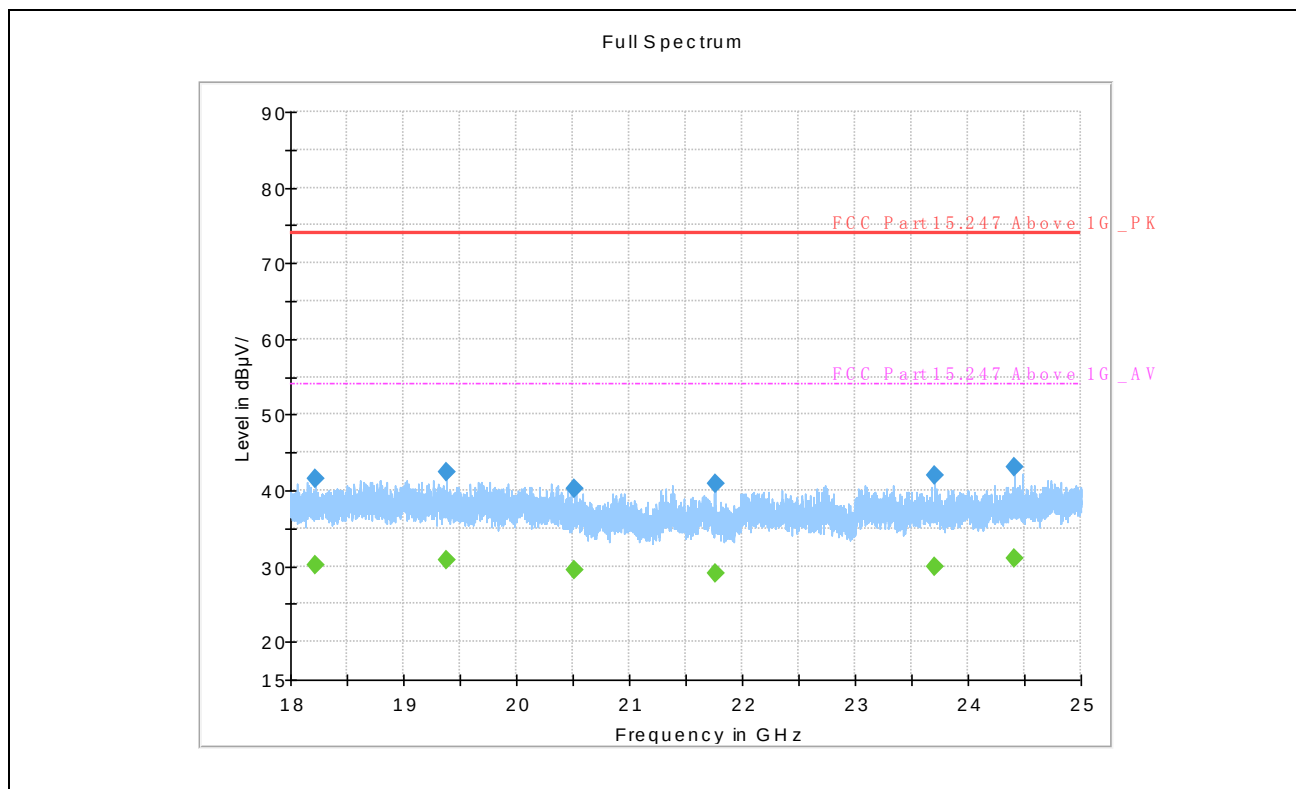


(8-DPSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1505.000000	38.15	---	74.00	35.85	H	2.0
1505.000000	---	26.99	54.00	27.02	H	2.0
1920.000000	41.08	---	74.00	32.92	H	6.2
1920.000000	---	30.37	54.00	23.63	H	6.2
2130.000000	---	31.48	54.00	22.52	H	8.2
2130.000000	42.67	---	74.00	31.33	H	8.2
2380.000000	---	35.49	54.00	18.51	H	12.0
2380.000000	45.67	---	74.00	28.33	H	12.0
2560.000000	---	35.69	54.00	18.31	H	14.0
2560.000000	51.77	---	74.00	22.23	H	14.0
2750.000000	---	37.60	54.00	16.40	H	15.0
2750.000000	48.78	---	74.00	25.22	H	15.0

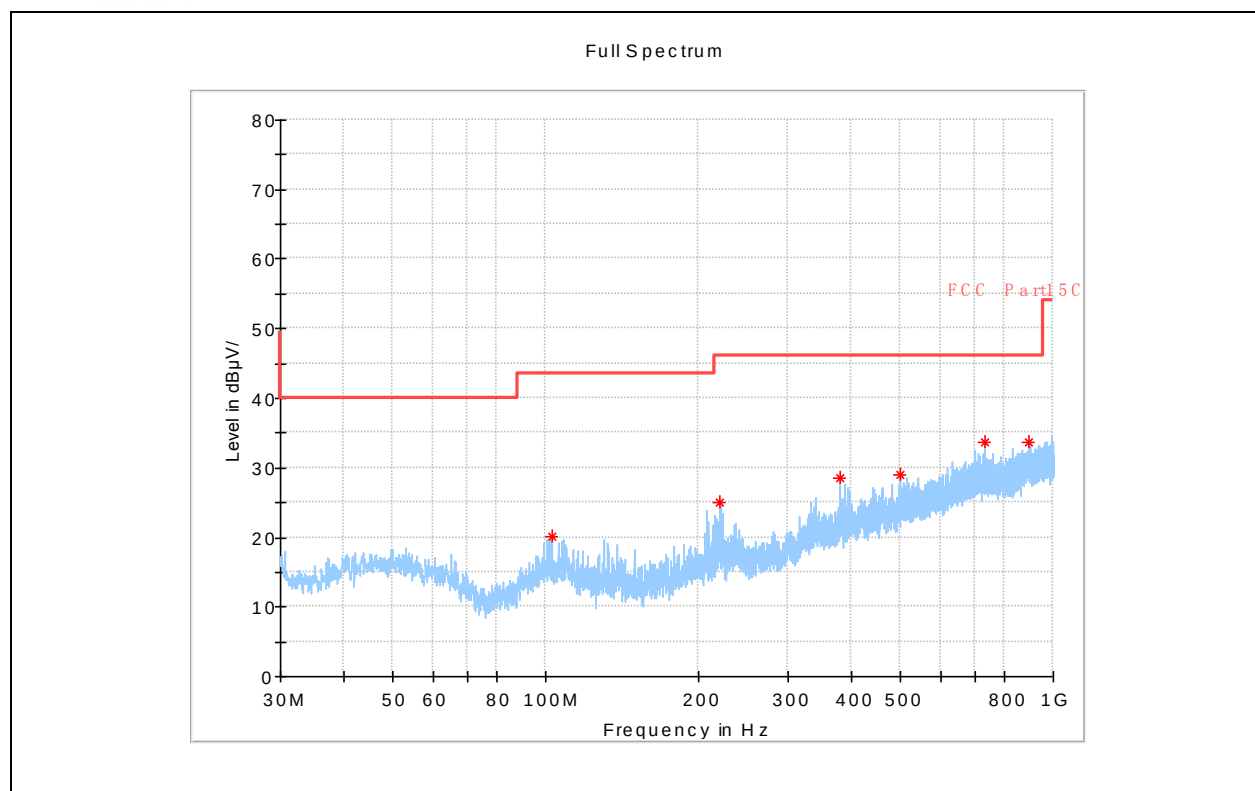


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4957.500000	---	35.57	54.00	18.43	H	-3.0
4957.500000	46.17	---	74.00	27.83	H	-3.0
6810.000000	43.45	---	74.00	30.55	H	-1.0
6810.000000	---	31.21	54.00	22.79	H	-1.0
9435.000000	44.28	---	74.00	29.72	H	2.0
9435.000000	---	31.89	54.00	22.11	H	2.0
11505.000000	44.57	---	74.00	29.43	H	3.5
11505.000000	---	32.18	54.00	21.82	H	3.5
14970.000000	46.81	---	74.00	27.19	H	10.0
14970.000000	---	36.09	54.00	17.91	H	10.0
17992.500000	---	39.47	54.00	14.53	H	15.0
17992.500000	50.29	---	74.00	23.71	H	15.0

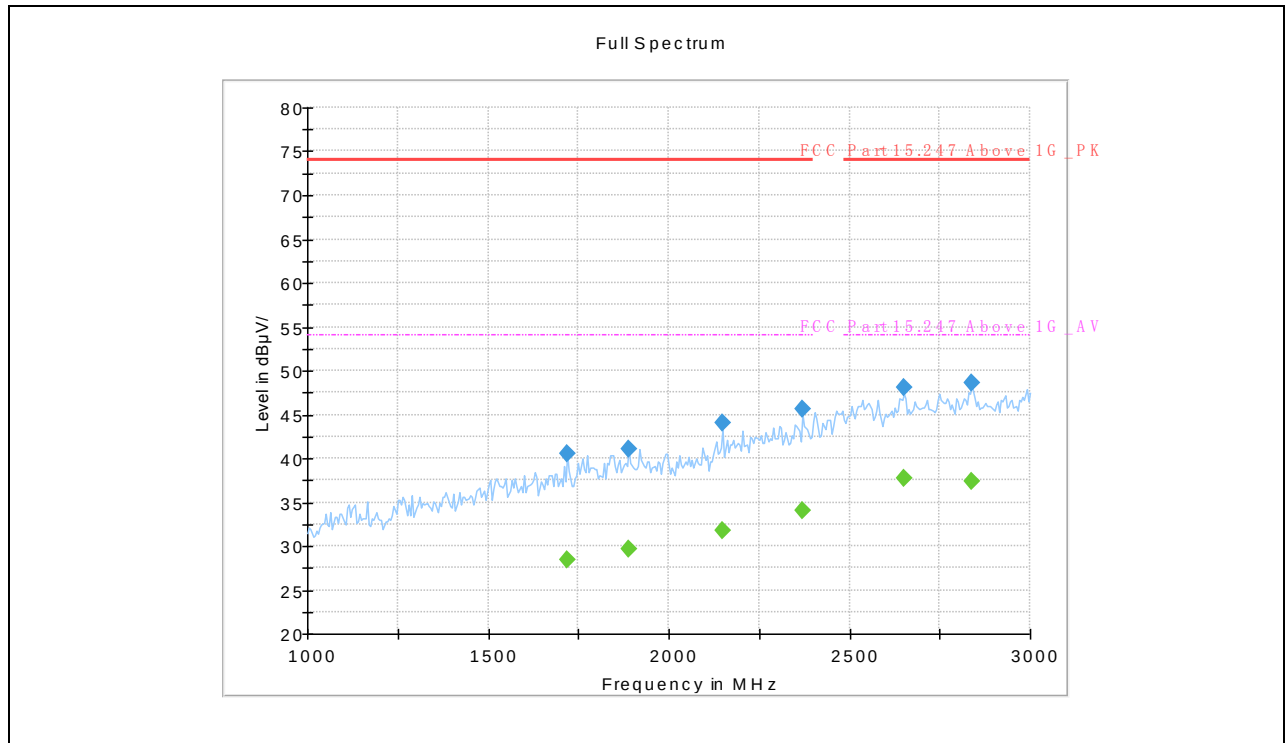


(8-DPSK _2480MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18218.555556	41.63	---	74.00	32.37	H	-5.5
18218.555556	---	30.17	54.00	23.83	H	-5.5
19377.444444	42.43	---	74.00	31.57	H	-5.4
19377.444444	---	30.87	54.00	23.13	H	-5.4
20520.000000	---	29.41	54.00	24.59	H	-5.1
20520.000000	40.13	---	74.00	33.87	H	-5.1
21757.444444	40.84	---	74.00	33.16	H	-5.1
21757.444444	---	29.06	54.00	24.94	H	-5.1
23705.777778	42.08	---	74.00	31.92	H	-5.0
23705.777778	---	29.94	54.00	24.06	H	-5.0
24408.111111	---	31.06	54.00	22.94	H	-4.6
24408.111111	43.07	---	74.00	30.93	H	-4.6

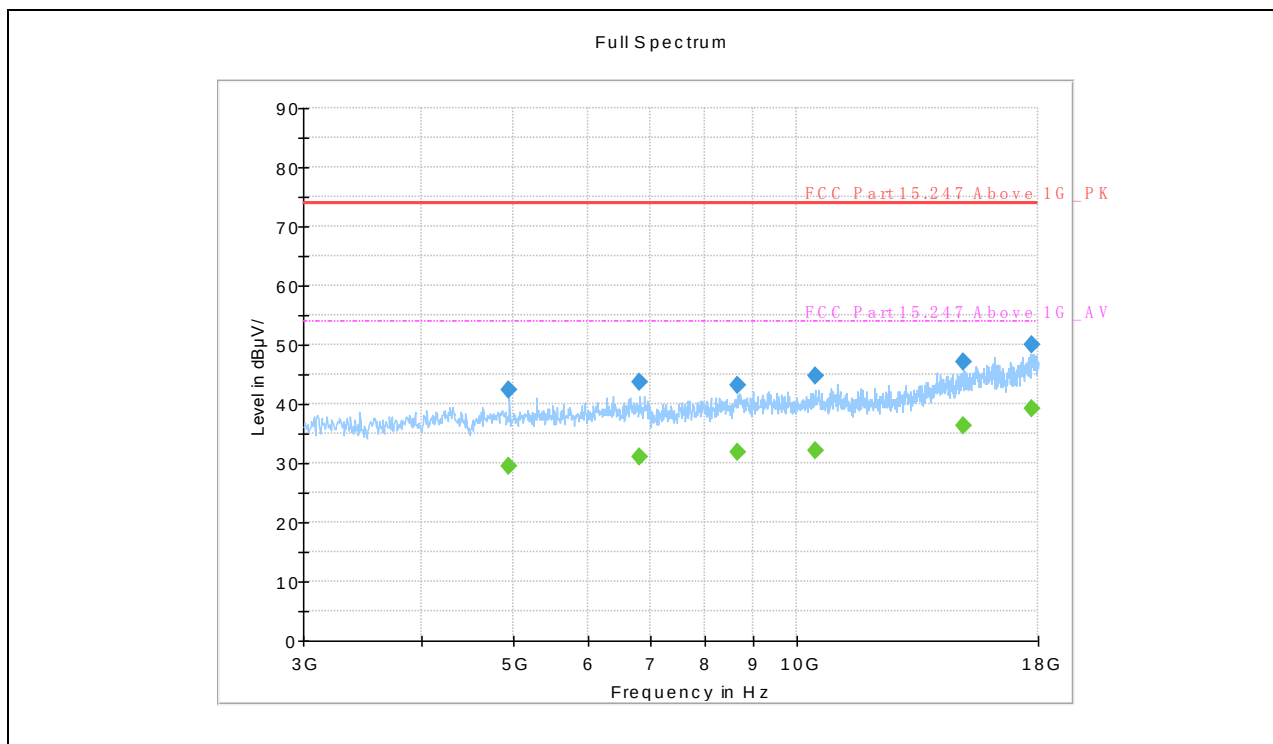


Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
103.073333	20.19	---	43.50	23.31	V	14.5
220.982222	24.93	---	46.00	21.07	V	14.6
381.193889	28.63	---	46.00	17.37	V	19.1
499.857222	29.09	---	46.00	16.91	V	22.0
734.597222	33.59	---	46.00	12.41	V	25.6
893.084444	33.58	---	46.00	12.42	V	27.9



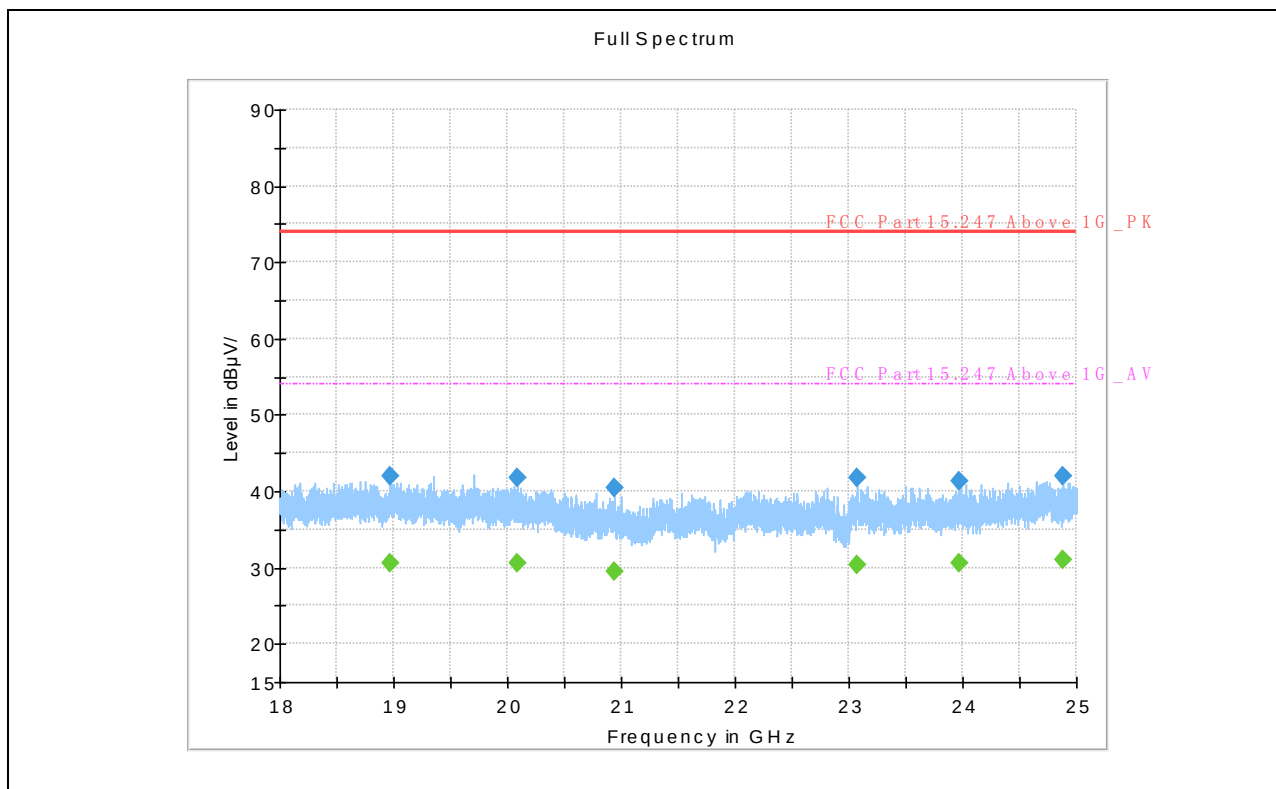
(8-DPSK _2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1720.000000	---	28.44	54.00	25.56	V	4.1
1720.000000	40.58	---	74.00	33.42	V	4.1
1890.000000	41.12	---	74.00	32.88	V	6.1
1890.000000	---	29.57	54.00	24.43	V	6.1
2150.000000	44.05	---	74.00	29.95	V	8.2
2150.000000	---	31.78	54.00	22.22	V	8.2
2370.000000	45.63	---	74.00	28.37	V	11.8
2370.000000	---	34.08	54.00	19.92	V	11.8
2650.000000	48.01	---	74.00	25.99	V	15.6
2650.000000	---	37.66	54.00	16.34	V	15.6
2840.000000	---	37.39	54.00	16.61	V	15.5
2840.000000	48.65	---	74.00	25.35	V	15.5



(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)
4957.500000	42.26	---	74.00	31.74	V	-3.0
4957.500000	---	29.58	54.00	24.42	V	-3.0
6817.500000	43.56	---	74.00	30.44	V	-0.9
6817.500000	---	31.15	54.00	22.85	V	-0.9
8662.500000	43.05	---	74.00	30.95	V	1.3
8662.500000	---	31.73	54.00	22.27	V	1.3
10440.00000	44.74	---	74.00	29.26	V	2.7
10440.00000	---	32.16	54.00	21.84	V	2.7
14992.50000	47.11	---	74.00	26.89	V	10.4
14992.50000	---	36.41	54.00	17.59	V	10.4
17722.50000	50.07	---	74.00	23.93	V	14.7
17722.50000	---	39.24	54.00	14.76	V	14.7



(8-DPSK _2480MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
18964.055556	---	30.64	54.00	23.36	V	-5.3
18964.055556	41.92	---	74.00	32.08	V	-5.3
20083.277778	---	30.60	54.00	23.40	V	-5.0
20083.277778	41.75	---	74.00	32.25	V	-5.0
20945.833333	40.41	---	74.00	33.59	V	-5.1
20945.833333	---	29.49	54.00	24.51	V	-5.1
23070.333333	41.78	---	74.00	32.22	V	-5.0
23070.333333	---	30.44	54.00	23.56	V	-5.0
23964.000000	41.41	---	74.00	32.59	V	-4.7
23964.000000	---	30.46	54.00	23.54	V	-4.7
24881.777778	42.02	---	74.00	31.98	V	-4.8
24881.777778	---	30.99	54.00	23.01	V	-4.8

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

Company Name:	Kehu-Morlab Test Laboratory
Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China
Responsible Test Lab Manager:	Mr. Di Dehai
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. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China.

The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1249.

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	2018.11.30	2019.11.29
2	RF cable (30MHz-26.5GHz)	RF01	N/A	Morlab	N/A	N/A
3	Coaxial cable	RF02	N/A	Morlab	N/A	N/A
4	SMA connector	RF03	N/A	Xingbo	N/A	N/A
Software Version: Eagle 2.0						

**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	2018.11.27	2019.11.26
2	LISN	101338	ENV432	ENV432	2018.11.27	2019.11.26
3	Pulse Limiter (10dB)	317	VTSD 9561 F	VTSD 9561 F	2018.11.27	2019.11.26
4	Coaxial cable(BNC) (30MHz-3GHz)	EMC01	N/A	Morlab	N/A	N/A

4.3 Auxiliary Test Equipment

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Date	Cal. Due Date
1	Laptop	N/A	A1465	Apple Inc.	N/A	N/A

4.4 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

4.5 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	2018.11.27	2019.11.26
2	Signal Analyzer	101294	FSV40	R&S	2018.12.01	2019.11.30
3	Active Ring Antenna	FMZB 1513 #269	FMZB 1513	Schwarzbeck	2018.11.26	2019.11.25
4	Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2018.12.03	2019.12.2
5	Ultra-Wideband Horn Antenna	102615	HF907	R&S	2018.12.03	2019.12.2
6	Steatite Antennas	17868	QSH-SL-1 8-26-S-20	Seibersdorf	2018.01.18	2019.01.17
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	N/A	N/A
9	Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	N/A	N/A
10	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	N/A	N/A
11	Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	N/A	N/A
12	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2018.11.27	2019.11.26
13	Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2018.07.05	2019.07.04
14	Band stop Filter	EMC11	BJF2400/2 485-60	CDSI	N/A	N/A
15	High Pass Filter	EMC12	HFP-3.0/1 8G-60	CDSI	N/A	N/A

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