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 (µV/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:

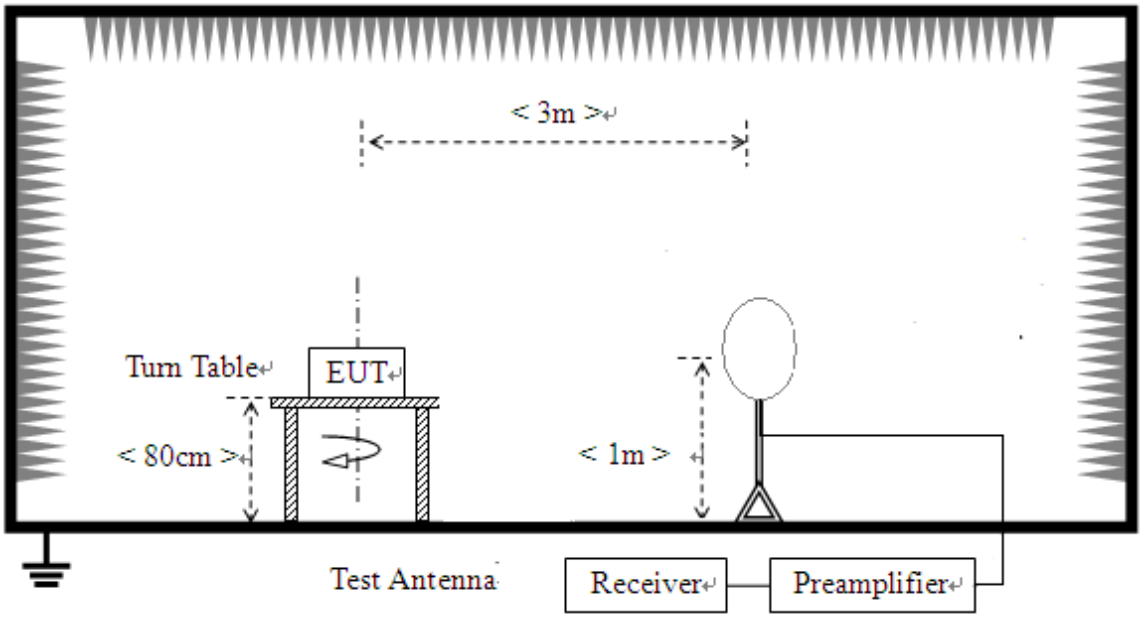
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength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

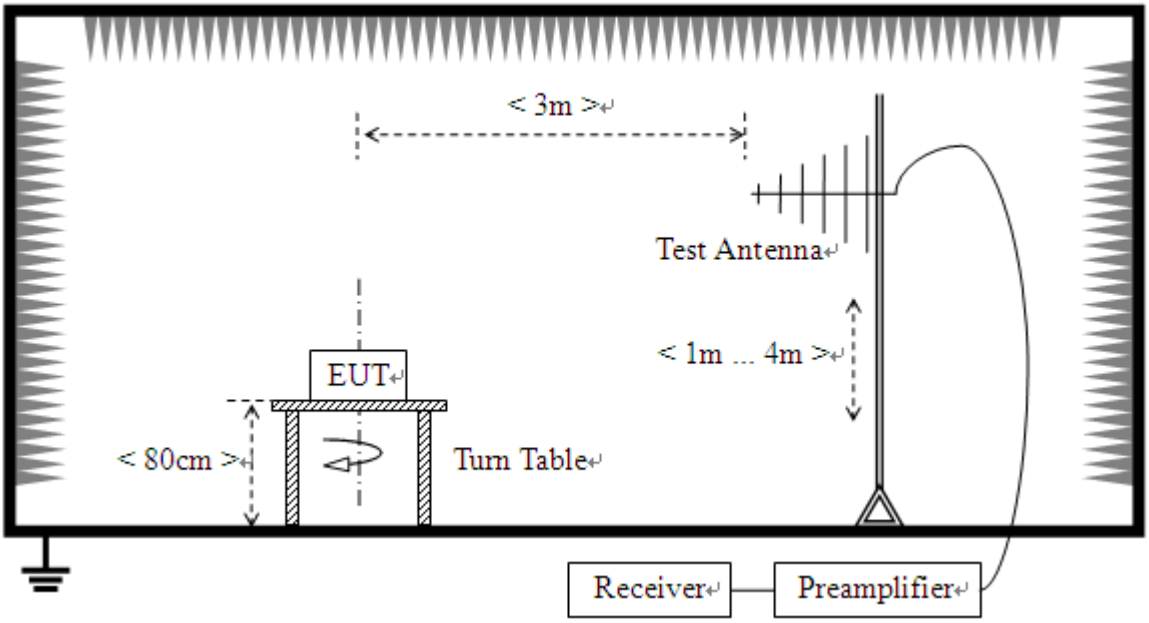
2.10.2. Test Description

A. Test Setup:

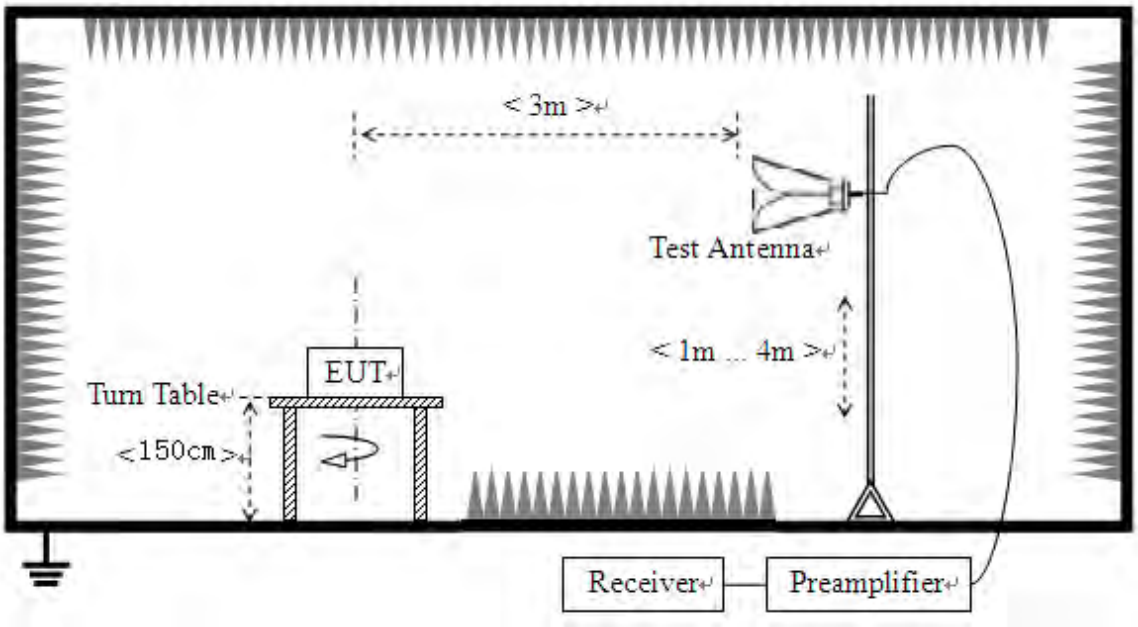
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



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:

(a) 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.
(b) 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 refere 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 an quasi-peak measurement.

The measurement results are obtained as below:

E [dBμV/m] $= U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]$-G_{preamp}$ [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 AT and A_{Factor} were built in test software.

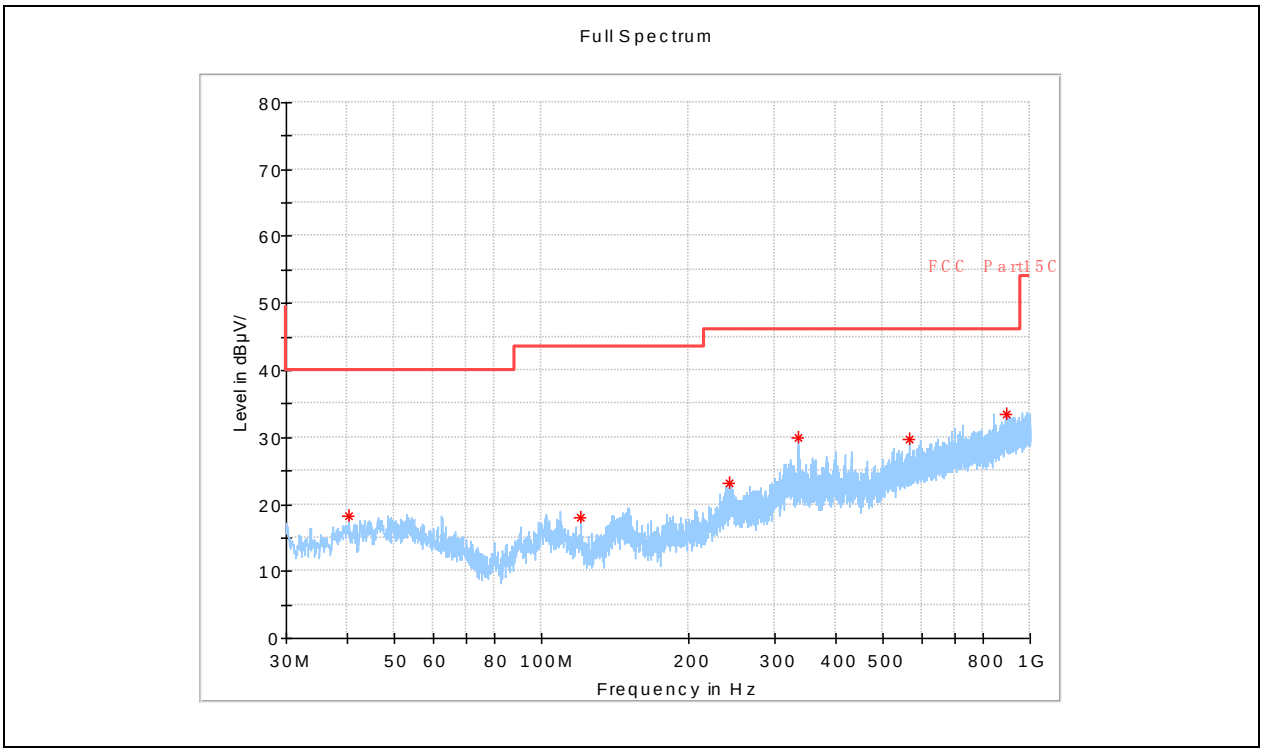
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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.

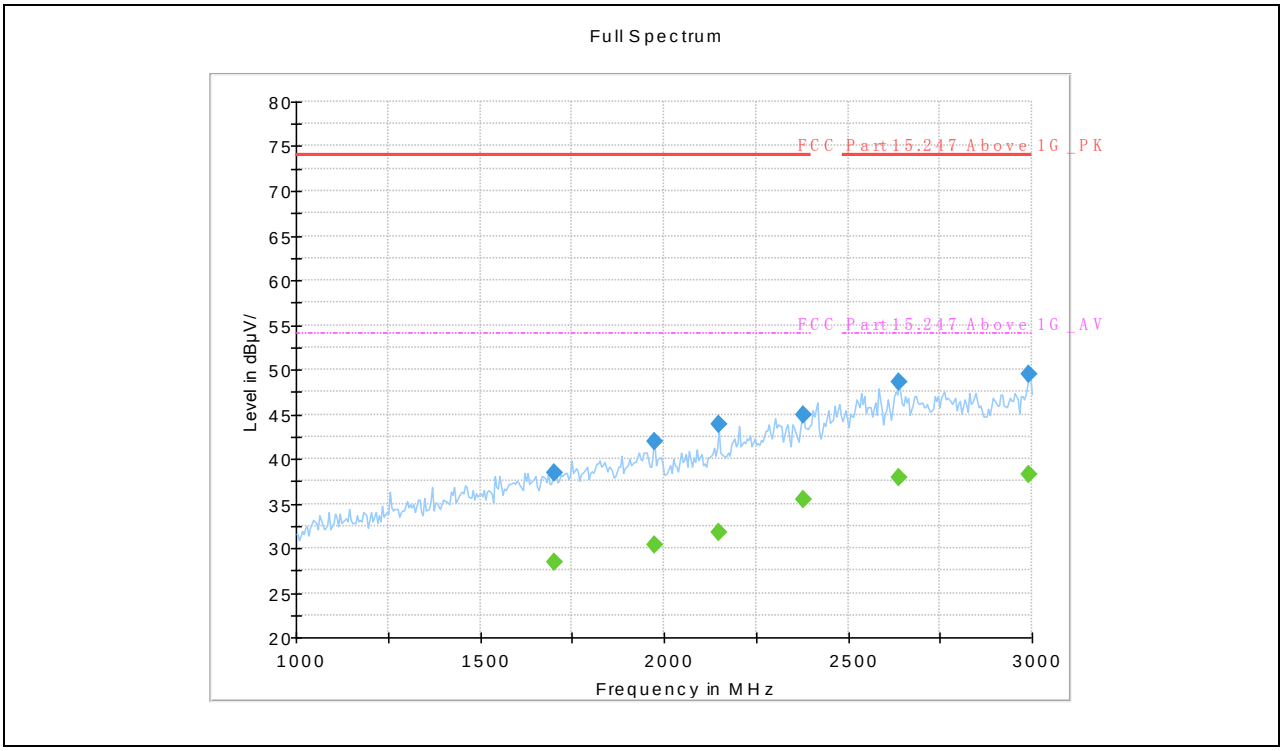
Note4: The right headset and left headset will work simultaneously during normal use, we selected right headset and left headset simultaneous transmission for fully radiated emission testing.

GFSK Test mode



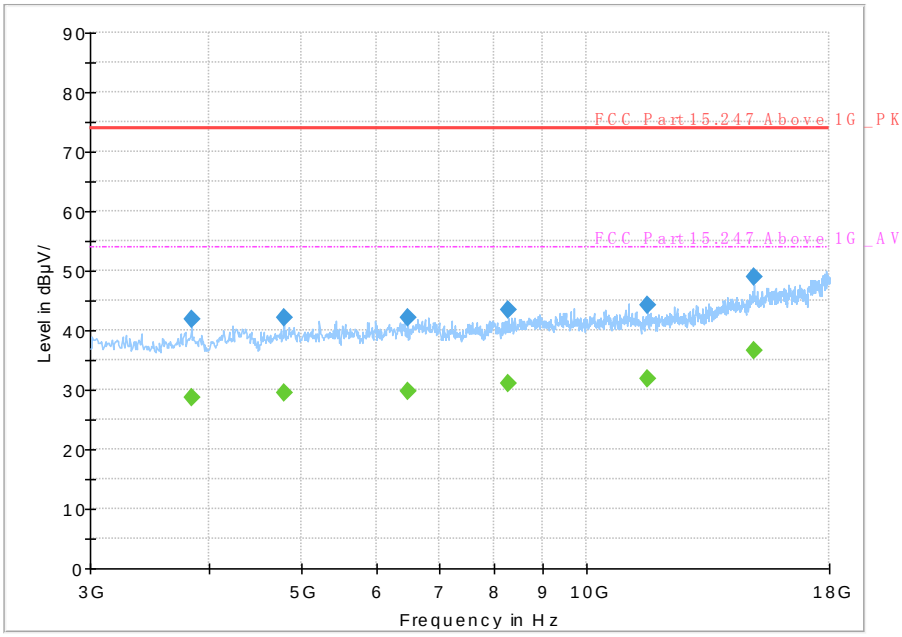
(GFSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
40.400556	18.32	---	40.00	21.68	H	15.3
120.479444	17.93	---	43.50	25.57	H	12.9
242.483889	23.08	---	46.00	22.92	H	15.0
335.765556	29.87	---	46.00	16.13	H	17.6
566.463889	29.82	---	46.00	16.18	H	22.9
891.898889	33.52	---	46.00	12.48	H	27.9



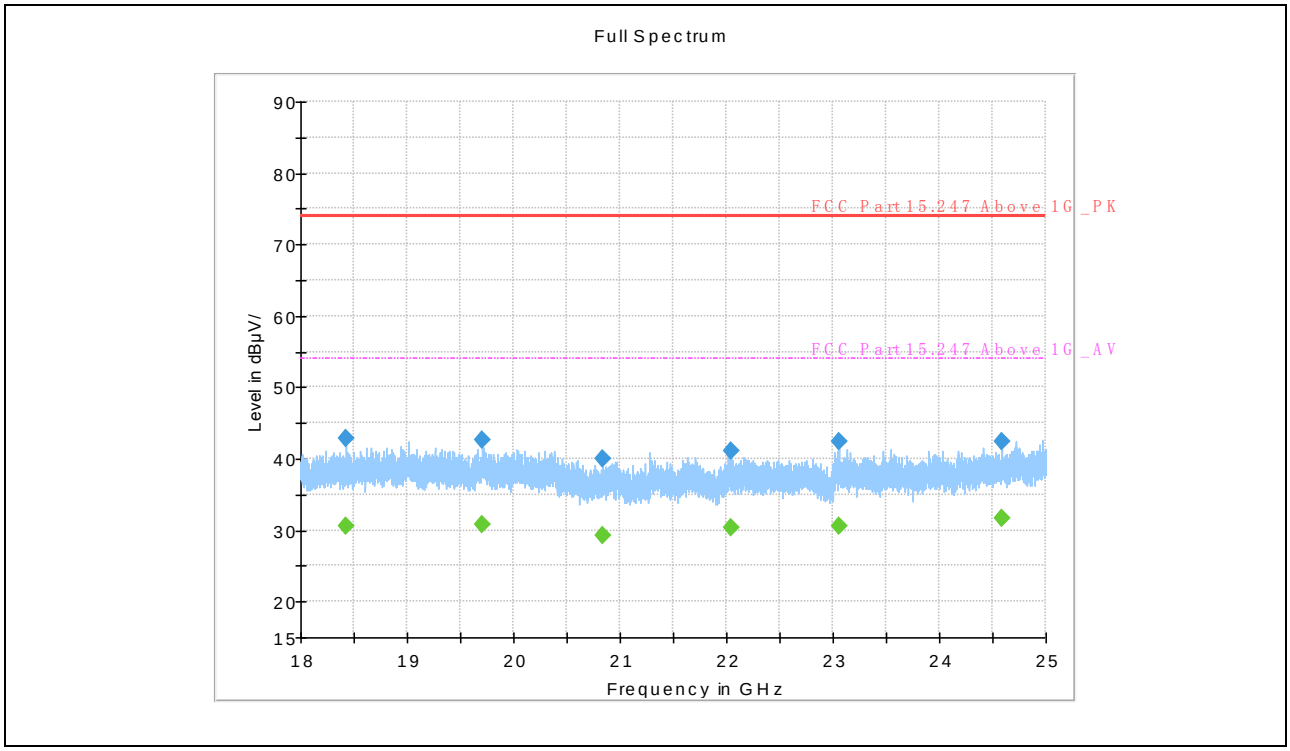
(GFSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1700.000000	38.50	---	74.00	35.50	H	3.9
1700.000000	---	28.48	54.00	25.52	H	3.9
1975.000000	42.00	---	74.00	32.00	H	6.2
1975.000000	---	30.28	54.00	23.72	H	6.2
2150.000000	43.80	---	74.00	30.20	H	8.2
2150.000000	---	31.77	54.00	22.23	H	8.2
2380.000000	---	35.46	54.00	18.54	H	12.0
2380.000000	44.99	---	74.00	29.01	H	12.0
2640.000000	---	37.81	54.00	16.19	H	15.2
2640.000000	48.66	---	74.00	23.74	H	15.2
2990.000000	49.45	---	74.00	25.86	H	16.3
2990.000000	---	38.23	54.00	15.89	H	16.3



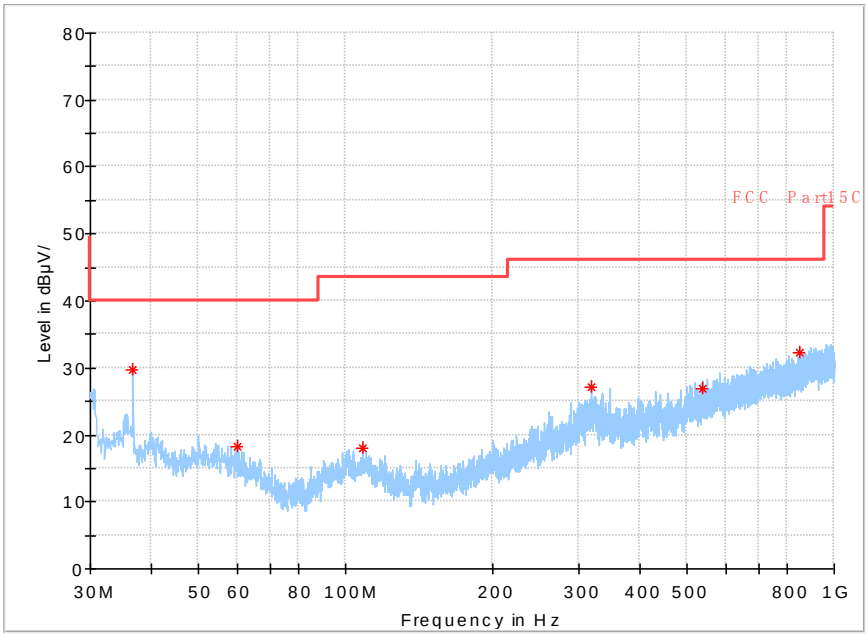
(GFSK _2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3832.500000	---	28.59	54.00	25.41	H	-5.0
3832.500000	41.76	---	74.00	32.24	H	-5.0
4800.000000	---	29.48	54.00	24.52	H	-3.4
4800.000000	42.00	---	74.00	32.00	H	-3.4
6472.500000	42.19	---	74.00	31.81	H	-2.0
6472.500000	---	29.81	54.00	24.19	H	-2.0
8280.000000	43.35	---	74.00	30.65	H	1.1
8280.000000	---	31.12	54.00	22.88	H	1.1
11580.00000	44.22	---	74.00	29.78	H	3.2
11580.00000	---	31.84	54.00	22.16	H	3.2
15015.00000	48.86	---	74.00	25.14	H	10.8
15015.00000	---	36.49	54.00	17.51	H	10.8



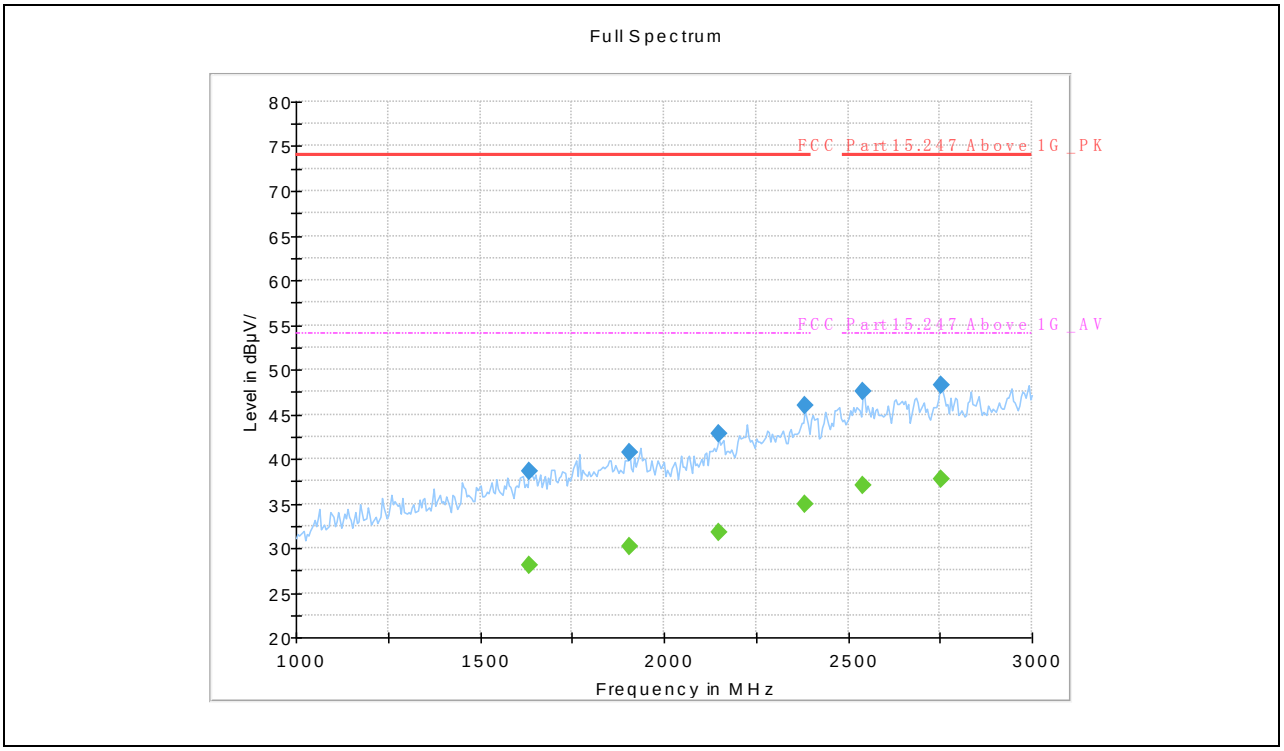
(GFSK _2402MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18432.833333	42.92	---	74.00	30.16	H	-5.3
18432.833333	---	30.67	54.00	21.02	H	-5.3
19701.000000	42.59	---	74.00	21.36	H	-5.3
19701.000000	---	30.82	54.00	29.02	H	-5.3
20836.555556	39.91	---	74.00	31.31	H	-5.2
20836.555556	---	29.25	54.00	22.65	H	-5.2
22044.055556	41.05	---	74.00	30.70	H	-5.1
22044.055556	---	30.38	54.00	22.10	H	-5.1
23064.500000	---	30.48	54.00	21.36	H	-5.0
23064.500000	42.32	---	74.00	30.43	H	-5.0
24589.722222	---	31.60	54.00	29.06	H	-4.6
24589.722222	42.52	---	74.00	21.30	H	-4.6



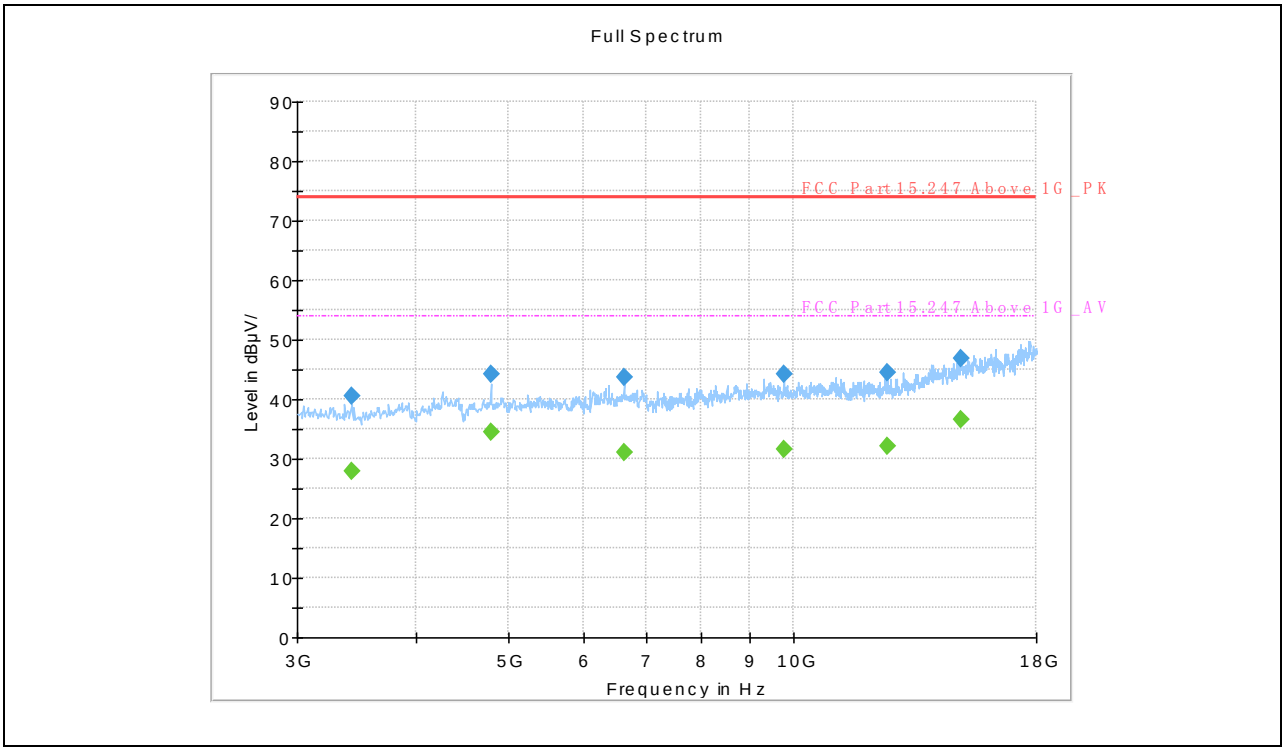
(GFSK _2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
36.682222	29.75	---	40.00	10.25	V	13.4
59.854444	18.30	---	40.00	21.70	V	14.8
108.408333	18.03	---	43.50	25.47	V	14.7
319.437222	27.07	---	46.00	18.93	V	17.9
538.280000	26.93	---	46.00	19.07	V	22.4
847.440556	32.25	---	46.00	13.75	V	26.8



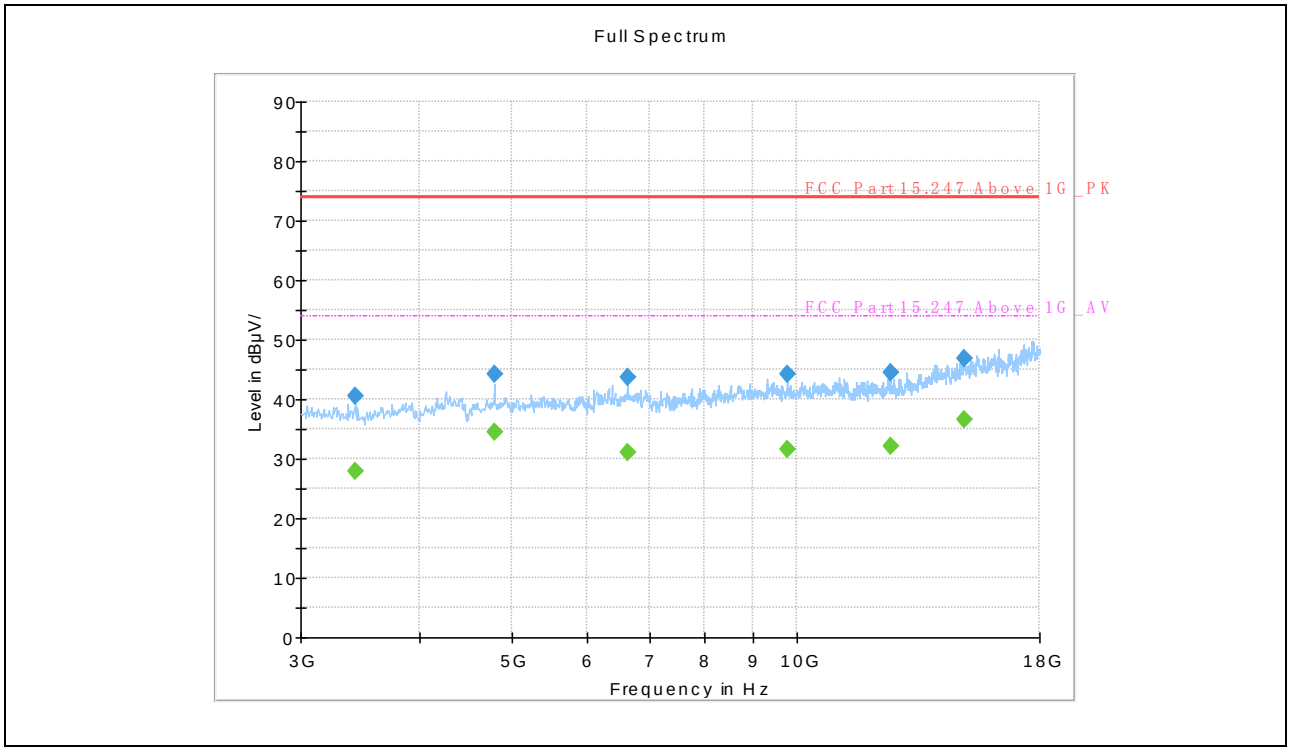
(GFSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1635.000000	---	28.12	54.00	25.88	V	3.4
1635.000000	38.59	---	74.00	35.41	V	3.4
1905.000000	---	30.25	54.00	23.75	V	6.2
1905.000000	40.66	---	74.00	33.34	V	6.2
2150.000000	---	31.73	54.00	22.27	V	8.2
2150.000000	42.75	---	74.00	31.25	V	8.2
2385.000000	45.91	---	74.00	28.09	V	12.0
2385.000000	---	34.91	54.00	19.09	V	12.0
2540.000000	47.50	---	74.00	26.50	V	14.4
2540.000000	---	37.03	54.00	16.97	V	14.4
2755.000000	---	37.64	54.00	16.36	V	15.1
2755.000000	48.20	---	74.00	25.80	V	15.1



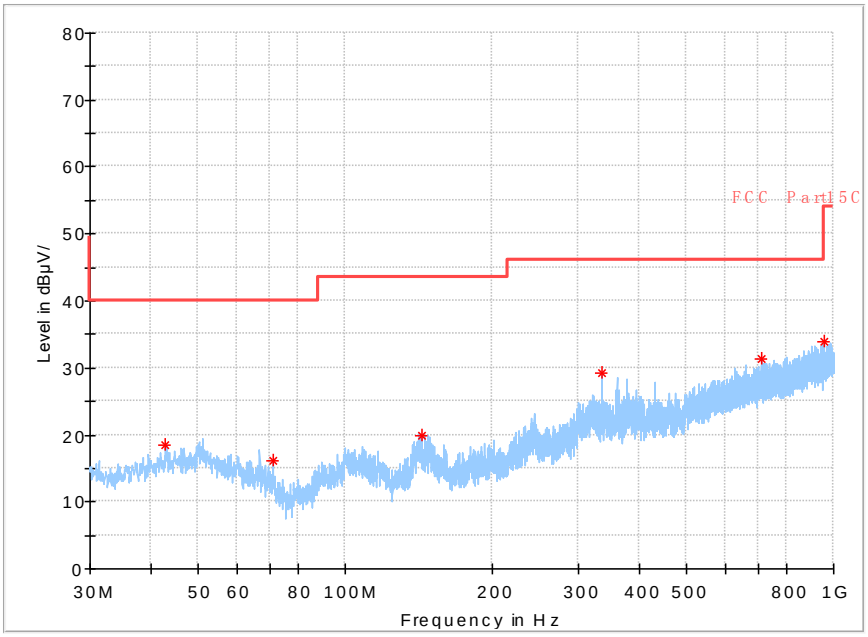
(GFSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3420.000000	---	27.94	54.00	26.06	V	-5.9
3420.000000	40.50	---	74.00	33.50	V	-5.9
4800.000000	44.15	---	74.00	29.85	V	-3.4
4800.000000	---	34.49	54.00	19.51	V	-3.4
6622.500000	---	31.16	54.00	22.84	V	-0.7
6622.500000	43.60	---	74.00	30.40	V	-0.7
9757.500000	---	31.60	54.00	22.40	V	1.9
9757.500000	44.10	---	74.00	29.90	V	1.9
12555.00000	---	32.23	54.00	21.77	V	4.6
12555.00000	44.60	---	74.00	29.40	V	4.6
15000.00000	46.91	---	74.00	27.09	V	10.6
15000.00000	---	36.46	54.00	17.54	V	10.6



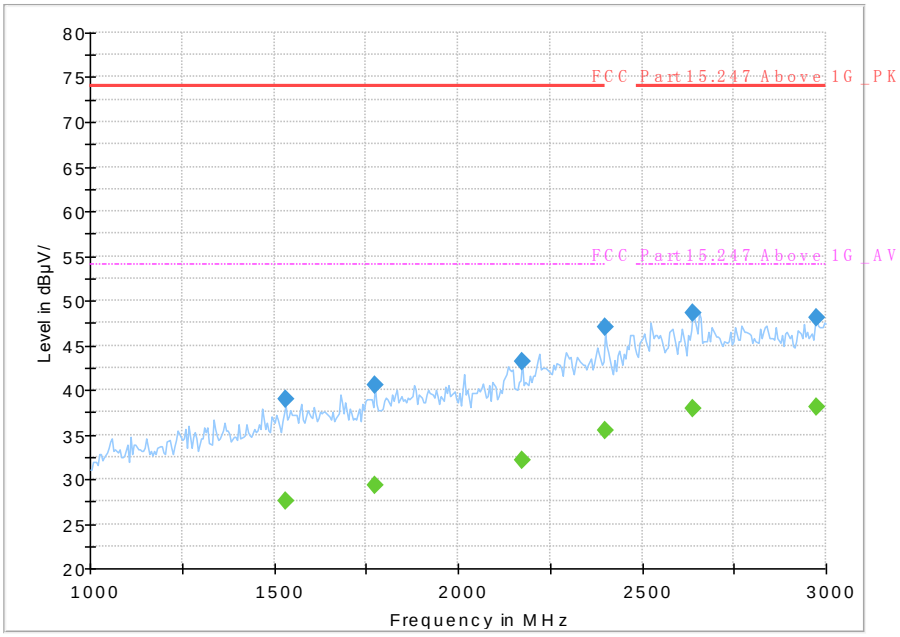
(GFSK _2402MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3420.000000	---	27.94	54.00	26.06	V	-5.9
3420.000000	40.50	---	74.00	33.50	V	-5.9
4800.000000	44.15	---	74.00	29.85	V	-3.4
4800.000000	---	34.49	54.00	19.51	V	-3.4
6622.500000	---	31.16	54.00	22.84	V	-0.7
6622.500000	43.60	---	74.00	30.40	V	-0.7
9757.500000	---	31.60	54.00	22.40	V	1.9
9757.500000	44.10	---	74.00	29.90	V	1.9
12555.000000	---	32.23	54.00	21.77	V	4.6
12555.000000	44.60	---	74.00	29.40	V	4.6
15000.000000	46.91	---	74.00	27.09	V	10.6
15000.000000	---	36.46	54.00	17.54	V	10.6



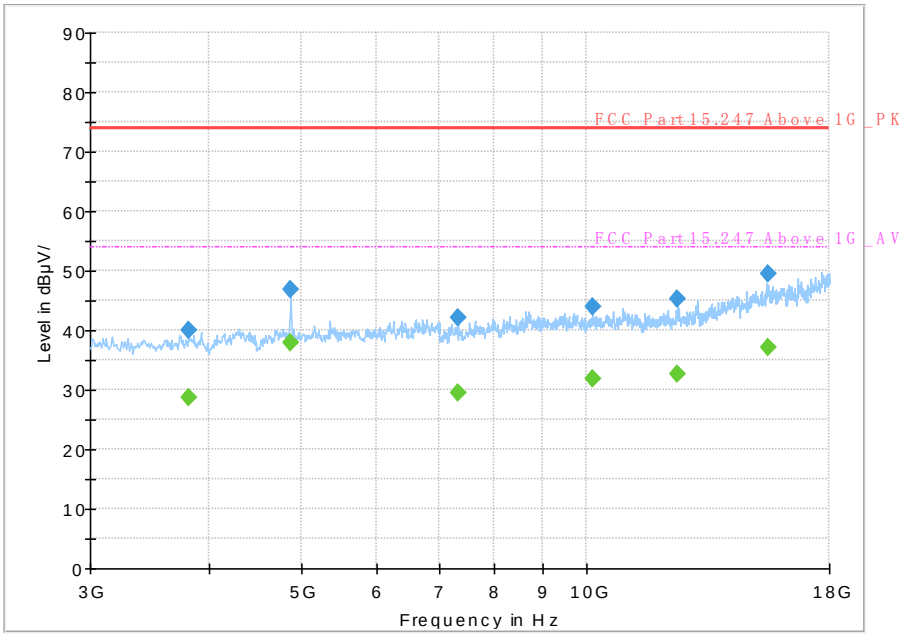
(GFSK _2441MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
42.879444	18.45	---	40.00	21.55	H	15.3
71.171111	16.24	---	40.00	23.76	H	11.2
143.651667	19.96	---	43.50	23.54	H	10.7
335.442222	29.28	---	46.00	16.72	H	17.5
714.604444	31.33	---	46.00	14.67	H	25.0
953.332222	33.94	---	46.00	12.06	H	28.3



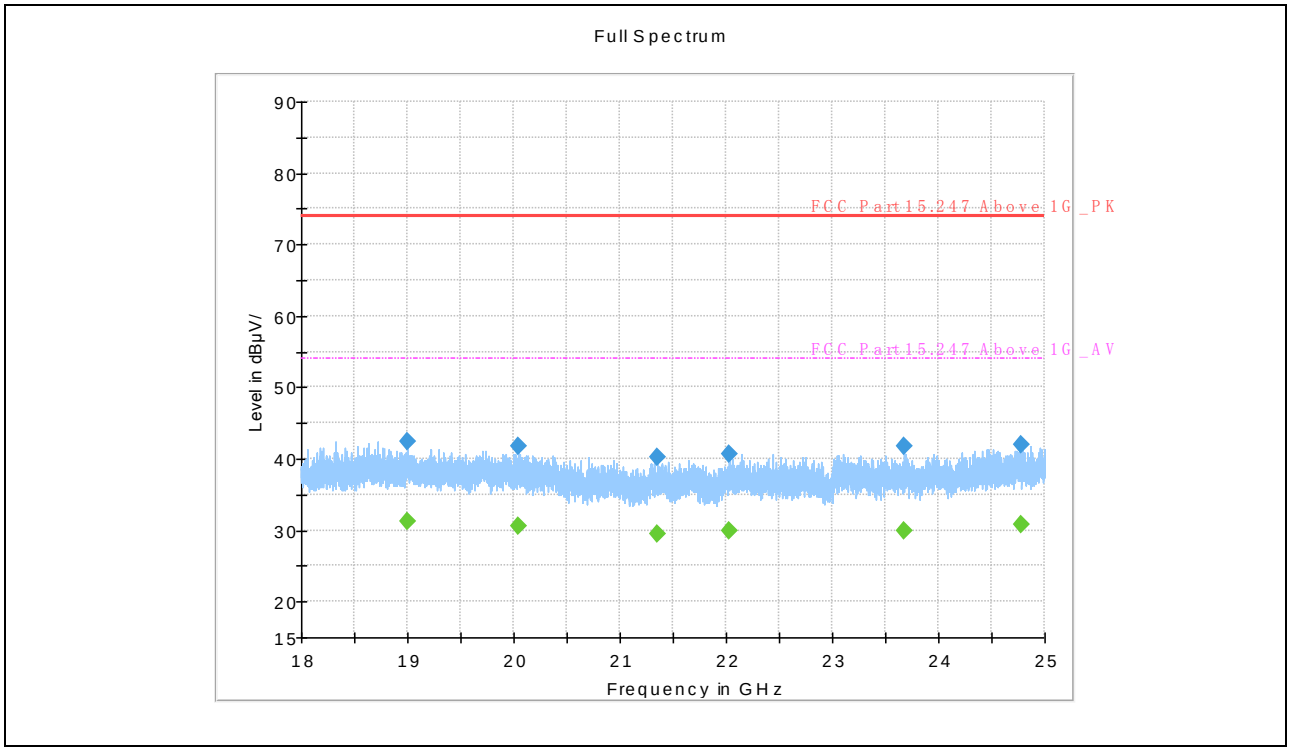
(GFSK _2441MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1530.000000	---	27.49	54.00	26.51	H	2.6
1530.000000	38.92	---	74.00	35.08	H	2.6
1775.000000	---	29.25	54.00	24.75	H	5.0
1775.000000	40.54	---	74.00	33.46	H	5.0
2175.000000	---	32.07	54.00	21.93	H	8.8
2175.000000	43.10	---	74.00	30.90	H	8.8
2400.000000	46.99	---	74.00	27.01	H	12.3
2400.000000	---	35.39	54.00	18.61	H	12.3
2640.000000	48.56	---	74.00	25.44	H	15.2
2640.000000	---	37.96	54.00	16.04	H	15.2
2975.000000	---	38.11	54.00	15.89	H	16.3
2975.000000	48.11	---	74.00	25.89	H	16.3



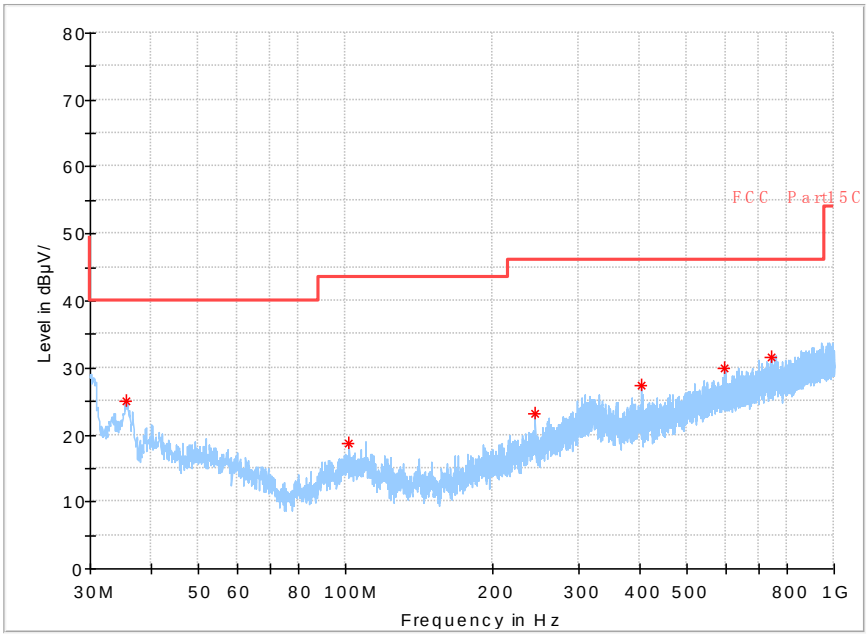
(GFSK _2441MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3810.000000	40.04	---	74.00	33.96	H	-5.0
3810.000000	---	28.74	54.00	25.26	H	-5.0
4882.500000	---	37.91	54.00	16.09	H	-2.8
4882.500000	46.82	---	74.00	27.18	H	-2.8
7320.000000	42.07	---	74.00	31.93	H	-0.2
7320.000000	---	29.54	54.00	24.46	H	-0.2
10147.50000	44.06	---	74.00	29.94	H	2.1
10147.50000	---	31.76	54.00	22.24	H	2.1
12465.00000	---	32.54	54.00	21.46	H	4.8
12465.00000	45.32	---	74.00	28.68	H	4.8
15510.00000	49.52	---	74.00	24.48	H	11.3
15510.00000	---	37.11	54.00	16.89	H	11.3



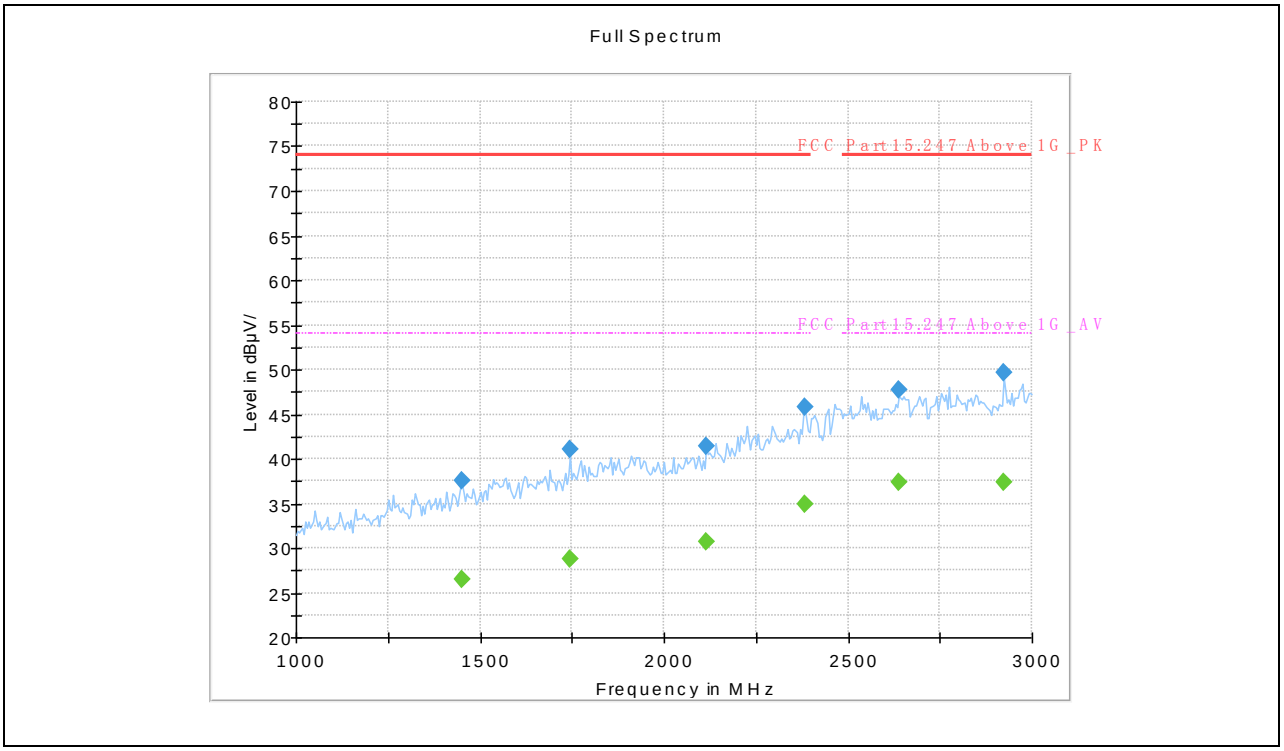
(GFSK _2441MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18997.888889	42.51	---	74.00	31.49	H	-5.3
18997.888889	---	31.20	54.00	22.80	H	-5.3
20049.444444	41.79	---	74.00	32.21	H	-5.0
20049.444444	---	30.56	54.00	23.44	H	-5.0
21357.277778	40.30	---	74.00	33.70	H	-4.9
21357.277778	---	29.46	54.00	24.54	H	-4.9
22026.555556	---	29.91	54.00	24.09	H	-5.1
22026.555556	40.63	---	74.00	33.37	H	-5.1
23670.388889	---	29.98	54.00	24.02	H	-5.0
23670.388889	41.68	---	74.00	32.32	H	-5.0
24773.666667	42.05	---	74.00	31.95	H	-4.8
24773.666667	---	30.79	54.00	23.21	H	-4.8



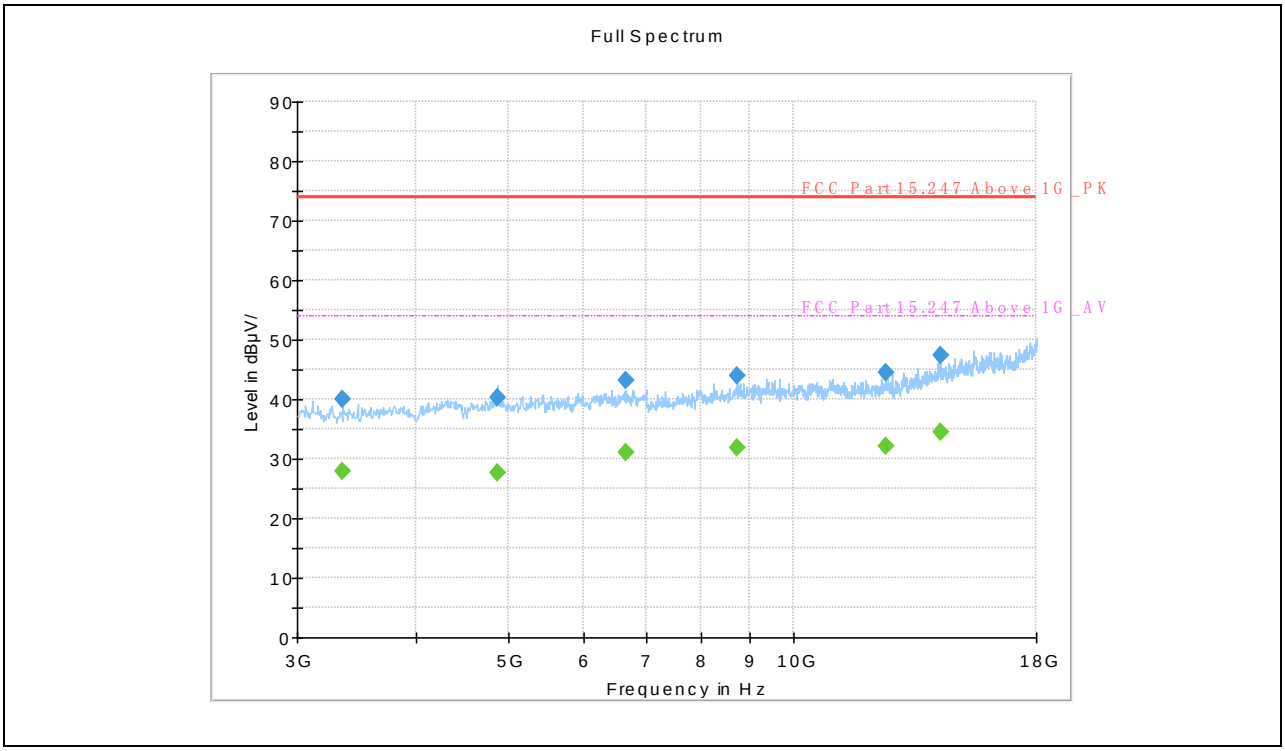
(GFSK _2441MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
35.442778	25.08	---	40.00	14.92	V	12.9
101.726111	18.63	---	43.50	24.87	V	14.8
244.962778	23.23	---	46.00	22.77	V	14.9
404.204444	27.44	---	46.00	18.56	V	19.3
597.503889	29.99	---	46.00	16.01	V	23.5
743.057778	31.68	---	46.00	14.32	V	25.9



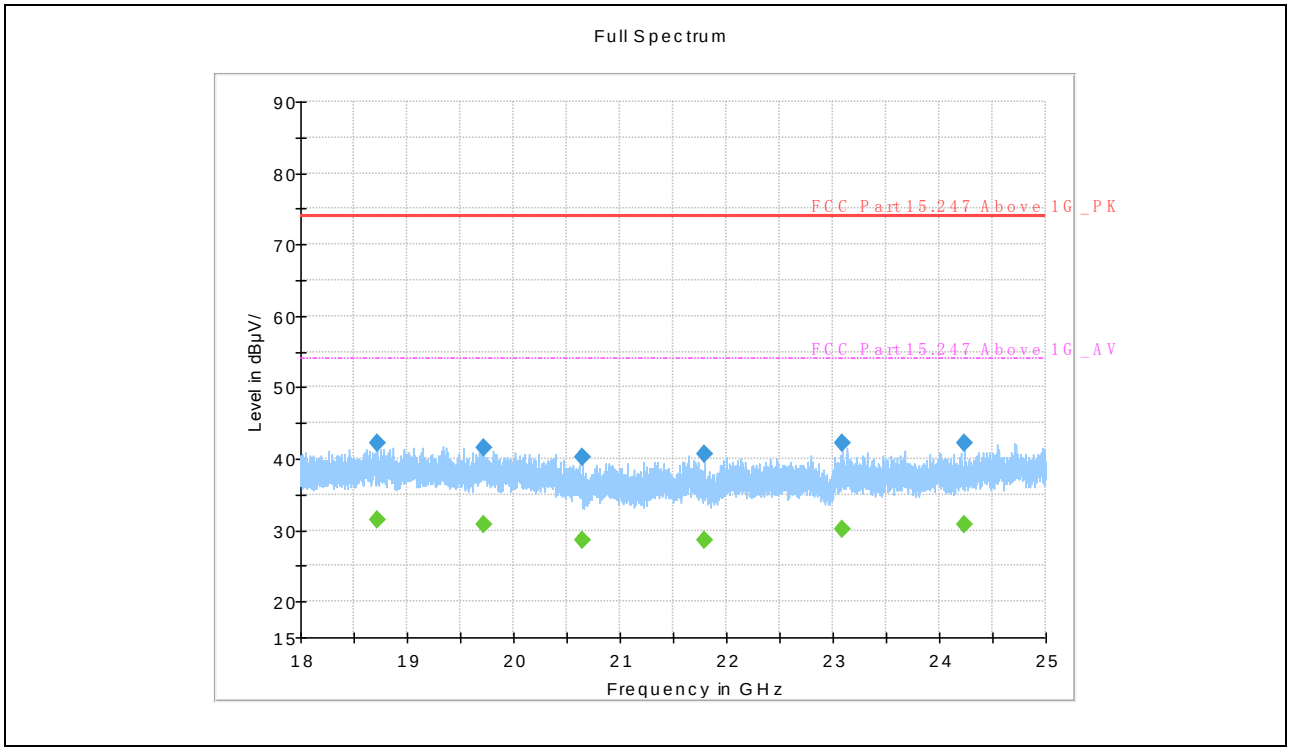
(GFSK _2441MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1450.000000	---	26.53	54.00	27.47	V	1.2
1450.000000	37.52	---	74.00	36.48	V	1.2
1745.000000	40.97	---	74.00	33.03	V	4.2
1745.000000	---	28.73	54.00	25.27	V	4.2
2115.000000	---	30.67	54.00	23.33	V	8.0
2115.000000	41.37	---	74.00	32.63	V	8.0
2385.000000	---	34.91	54.00	19.09	V	12.0
2385.000000	45.86	---	74.00	28.14	V	12.0
2640.000000	47.73	---	74.00	26.27	V	15.2
2640.000000	---	37.36	54.00	16.64	V	15.2
2925.000000	---	37.38	54.00	16.62	V	15.7
2925.000000	49.72	---	74.00	24.28	V	15.7



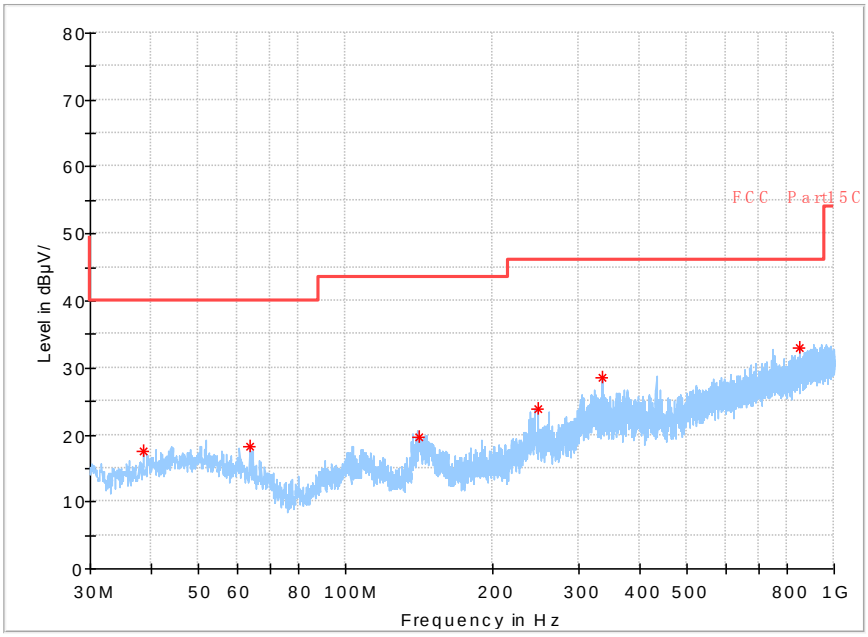
(GFSK _2441MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3352.500000	39.88	---	74.00	34.12	V	-6.1
3352.500000	---	27.78	54.00	26.22	V	-6.1
4882.500000	---	27.64	54.00	26.36	V	-2.8
4882.500000	40.30	---	74.00	33.70	V	-2.8
6652.500000	---	30.94	54.00	23.06	V	-0.3
6652.500000	43.25	---	74.00	30.75	V	-0.3
8722.500000	44.07	---	74.00	29.93	V	1.4
8722.500000	---	31.91	54.00	22.09	V	1.4
12487.50000	44.51	---	74.00	29.49	V	4.9
12487.50000	---	32.19	54.00	21.81	V	4.9
14295.00000	47.26	---	74.00	26.74	V	8.2
14295.00000	---	34.59	54.00	19.41	V	-6.1



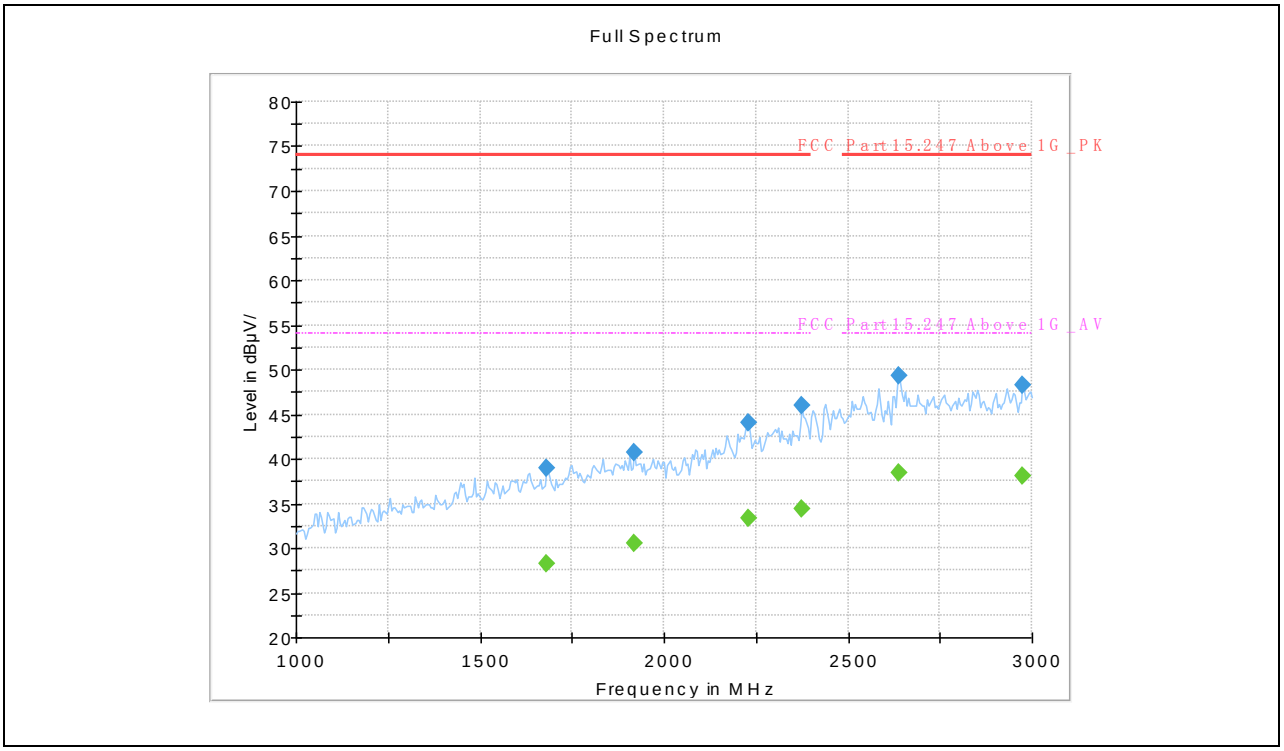
(GFSK _2441MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18714.000000	42.10	---	74.00	31.90	V	-5.3
18714.000000	---	31.39	54.00	22.61	V	-5.3
19724.722222	41.43	---	74.00	32.57	V	-5.2
19724.722222	---	30.82	54.00	23.18	V	-5.2
20642.888889	---	28.64	54.00	25.36	V	-5.1
20642.888889	40.28	---	74.00	33.72	V	-5.1
21799.055556	---	28.61	54.00	25.39	V	-5.1
21799.055556	40.56	---	74.00	33.44	V	-5.1
23094.444444	42.26	---	74.00	31.74	V	-5.0
23094.444444	---	30.21	54.00	23.79	V	-5.0
24237.777778	42.18	---	74.00	31.82	V	-4.6
24237.777778	---	30.69	54.00	23.31	V	-4.6



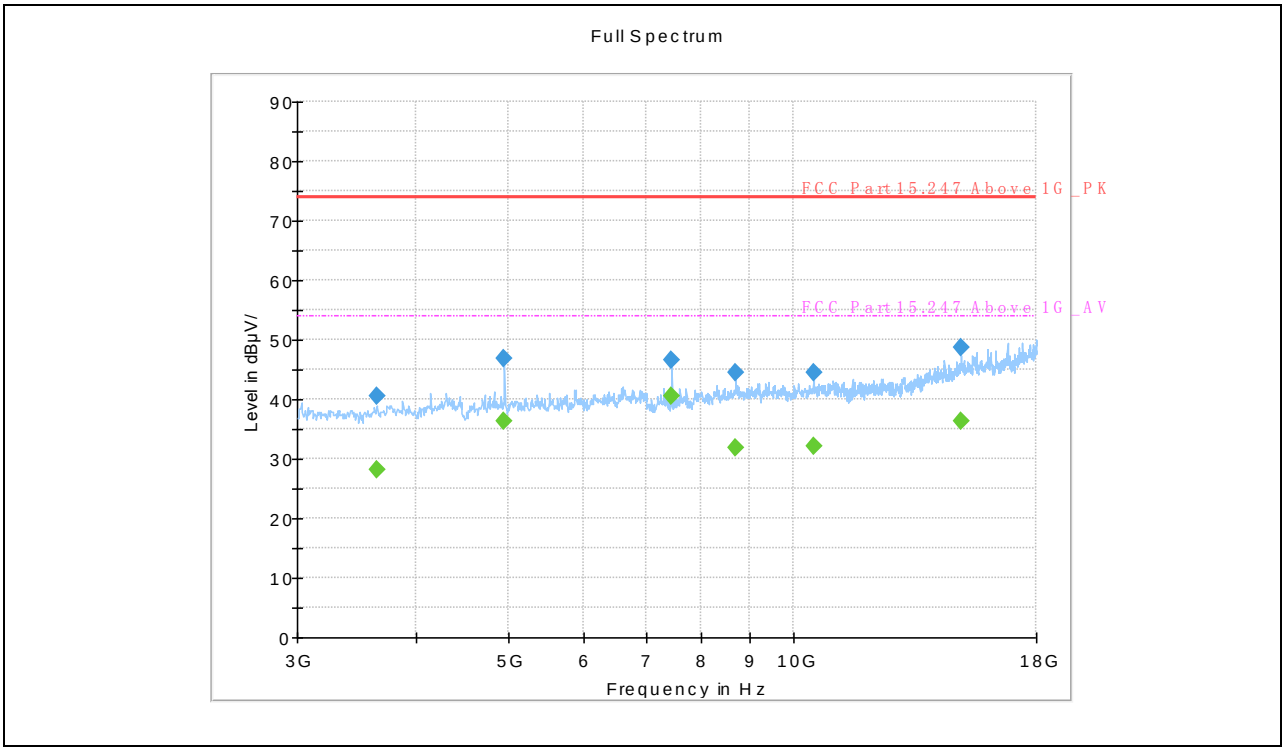
(GFSK _2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
38.568333	17.48	---	40.00	22.52	H	14.1
63.572778	18.25	---	40.00	21.75	H	13.6
141.819444	19.61	---	43.50	23.89	H	11.5
247.387778	23.80	---	46.00	22.20	H	14.8
335.657778	28.62	---	46.00	17.38	H	17.6
847.979444	32.92	---	46.00	13.09	H	26.8



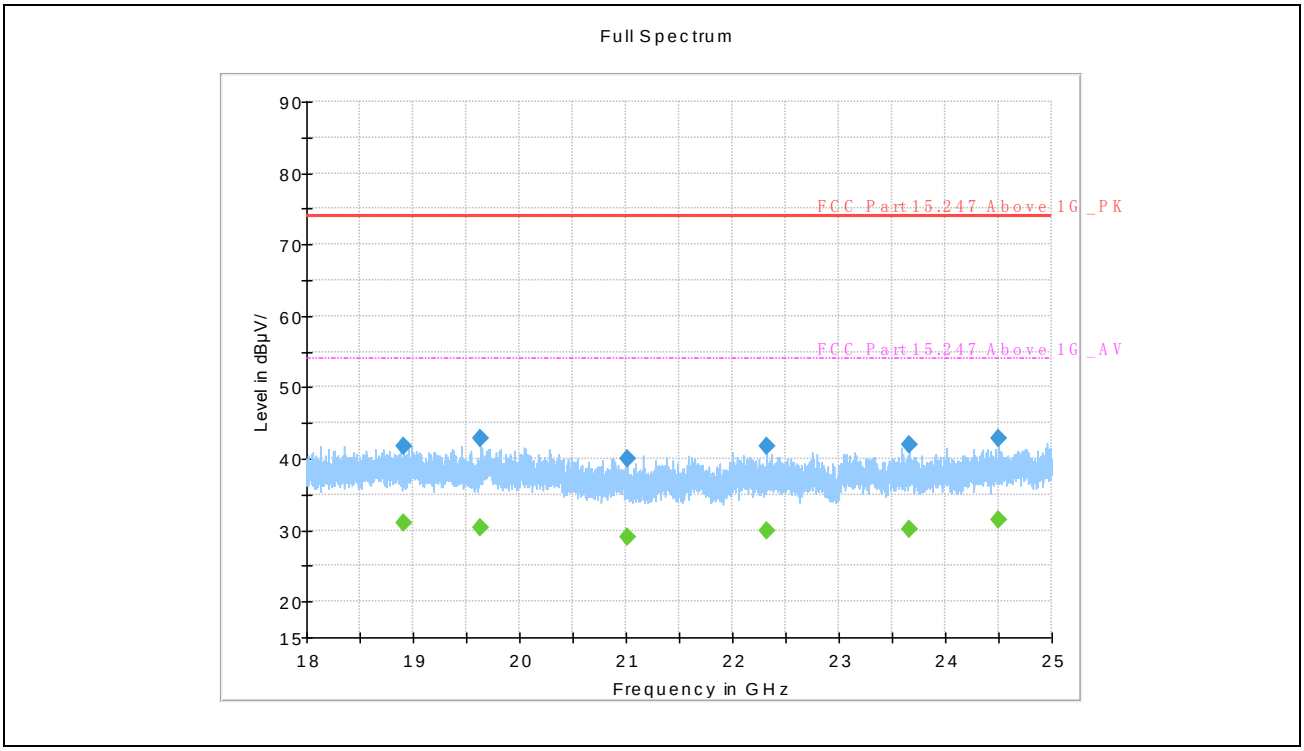
(GFSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1680.000000	38.90	---	74.00	35.10	H	3.5
1680.000000	---	28.28	54.00	25.72	H	3.5
1920.000000	40.72	---	74.00	33.28	H	6.2
1920.000000	---	30.45	54.00	23.55	H	6.2
2230.000000	43.98	---	74.00	30.02	H	9.7
2230.000000	---	33.31	54.00	20.69	H	9.7
2375.000000	---	34.36	54.00	19.64	H	11.9
2375.000000	45.96	---	74.00	28.04	H	11.9
2640.000000	---	38.40	54.00	15.60	H	15.2
2640.000000	49.37	---	74.00	24.63	H	15.2
2975.000000	48.23	---	74.00	25.77	H	16.3
2975.000000	---	38.09	54.00	15.91	H	16.3



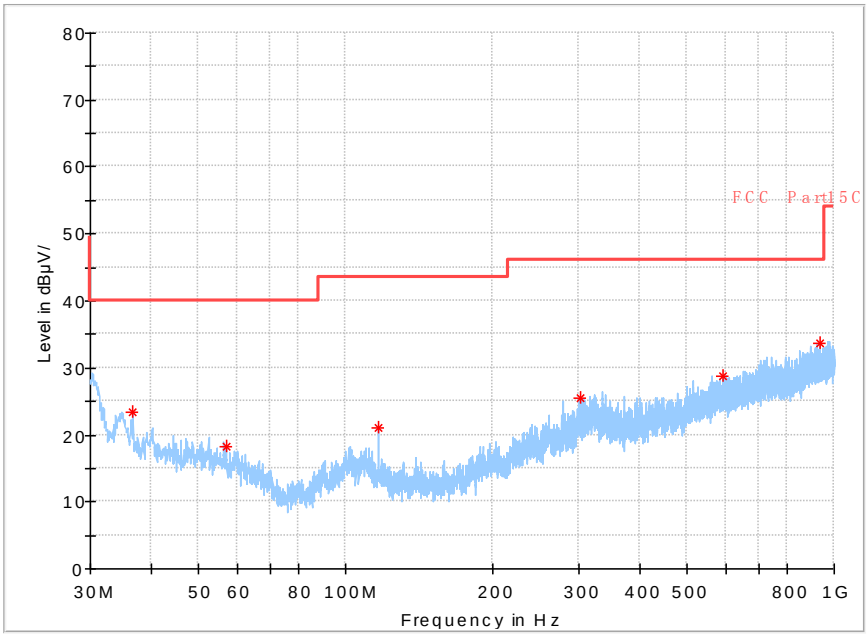
(GFSK _2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3637.500000	---	28.05	54.00	25.95	H	-5.7
3637.500000	40.50	---	74.00	33.50	H	-5.7
4957.500000	46.79	---	74.00	27.21	H	-3.0
4957.500000	---	36.45	54.00	17.55	H	-3.0
7440.000000	46.53	---	74.00	23.47	H	-0.3
7440.000000	---	40.41	54.00	13.59	H	-0.3
8685.000000	44.57	---	74.00	29.43	H	1.3
8685.000000	---	31.77	54.00	22.23	H	1.3
10485.000000	---	32.19	54.00	21.81	H	2.7
10485.000000	44.53	---	74.00	29.47	H	2.7
15007.500000	48.79	---	74.00	25.21	H	10.7
15007.500000	---	36.37	54.00	17.63	H	10.7



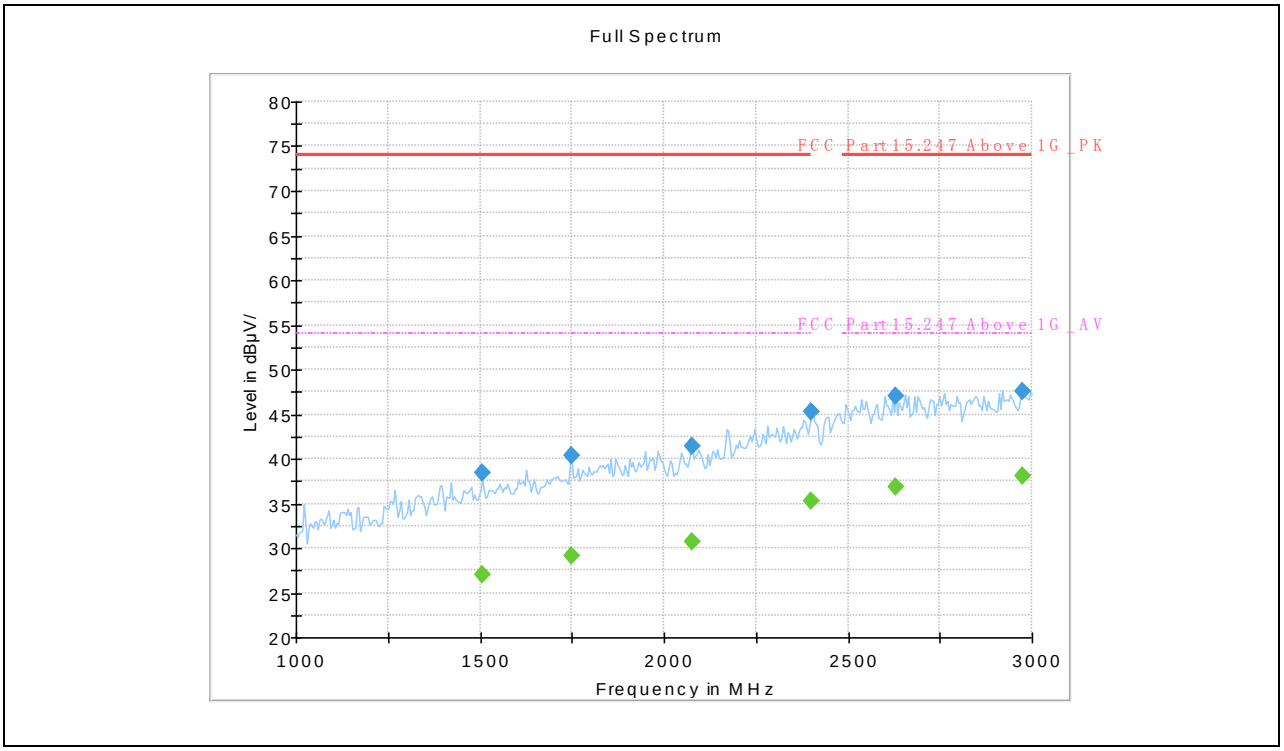
(GFSK _2480MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18910.000000	41.85	---	74.00	32.15	H	-5.3
18910.000000	---	30.91	54.00	23.09	H	-5.3
19633.333333	42.85	---	74.00	31.15	H	-5.3
19633.333333	---	30.32	54.00	23.68	H	-5.3
21007.666667	40.08	---	74.00	33.92	H	-5.1
21007.666667	---	29.14	54.00	24.86	H	-5.1
22328.722222	41.67	---	74.00	32.33	H	-4.9
22328.722222	---	29.96	54.00	24.04	H	-4.9
23664.944444	---	30.07	54.00	23.93	H	-5.0
23664.944444	41.98	---	74.00	32.02	H	-5.0
24499.888889	---	31.35	54.00	22.65	H	-4.6
24499.888889	42.95	---	74.00	31.05	H	-4.6



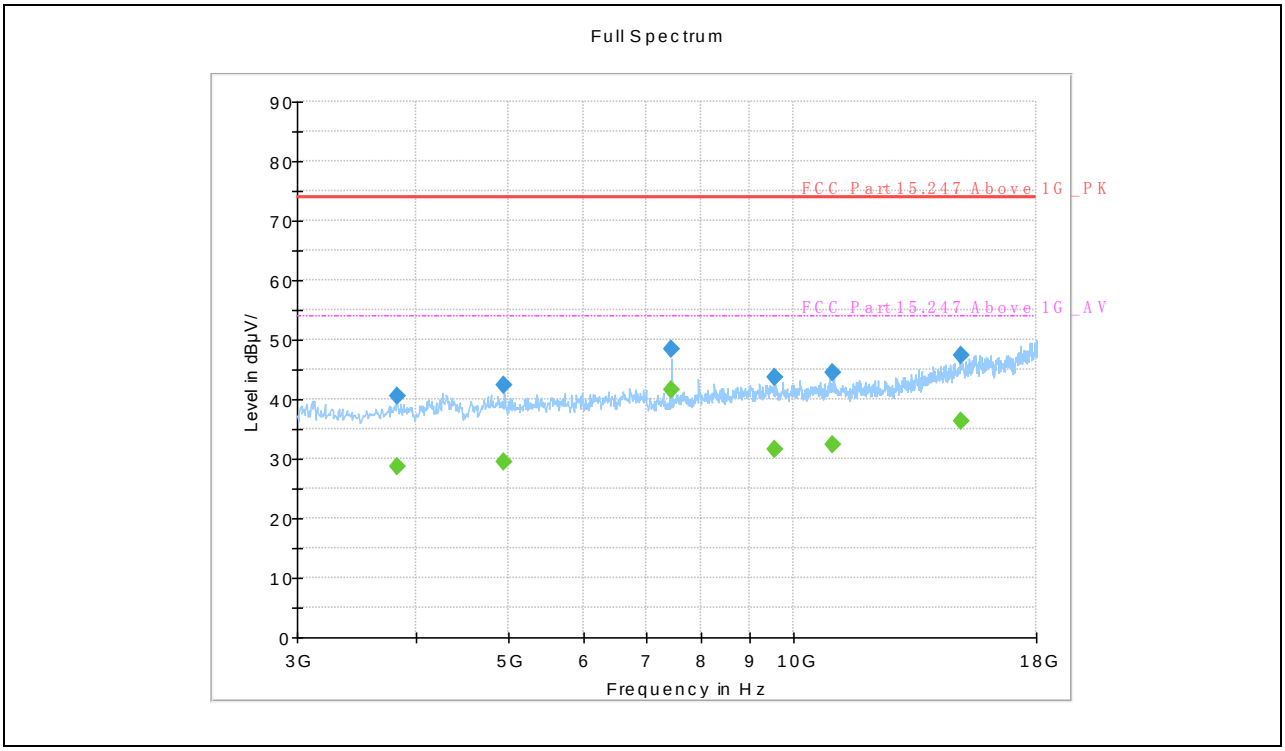
(GFSK _2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
36.736111	23.50	---	40.00	16.50	V	13.5
56.836667	18.27	---	40.00	21.73	V	14.6
116.383889	21.09	---	43.50	22.41	V	13.1
302.408333	25.58	---	46.00	20.42	V	17.1
592.007222	28.80	---	46.00	17.20	V	23.4
938.997778	33.63	---	46.00	12.37	V	28.3



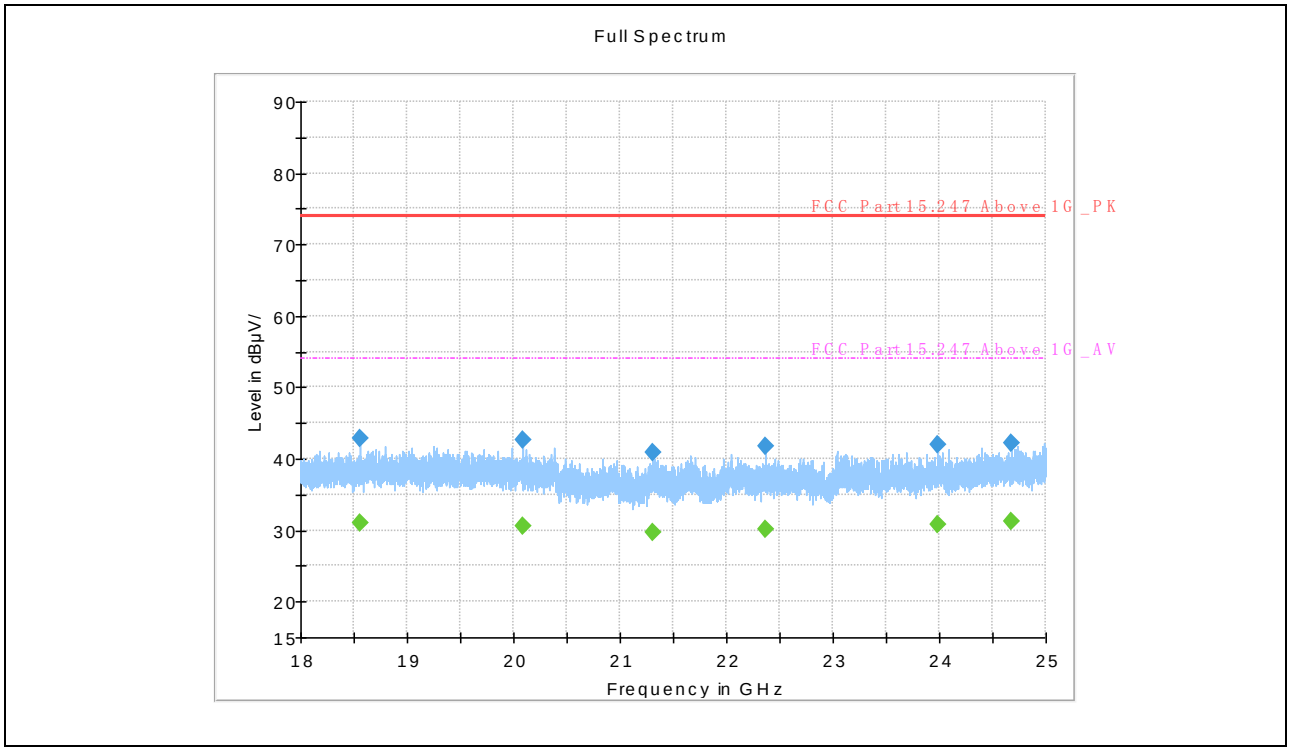
(GFSK _2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1505.000000	---	26.95	54.00	27.05	V	2.0
1505.000000	38.36	---	74.00	35.64	V	2.0
1750.000000	40.35	---	74.00	33.65	V	4.5
1750.000000	---	29.04	54.00	24.96	V	4.5
2075.000000	41.34	---	74.00	32.66	V	7.3
2075.000000	---	30.68	54.00	23.32	V	7.3
2400.000000	45.28	---	74.00	28.72	V	12.3
2400.000000	---	35.32	54.00	18.68	V	12.3
2630.000000	---	36.82	54.00	17.18	V	14.6
2630.000000	47.10	---	74.00	26.90	V	14.6
2975.000000	47.51	---	74.00	26.49	V	16.3
2975.000000	---	38.07	54.00	15.93	V	16.3



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

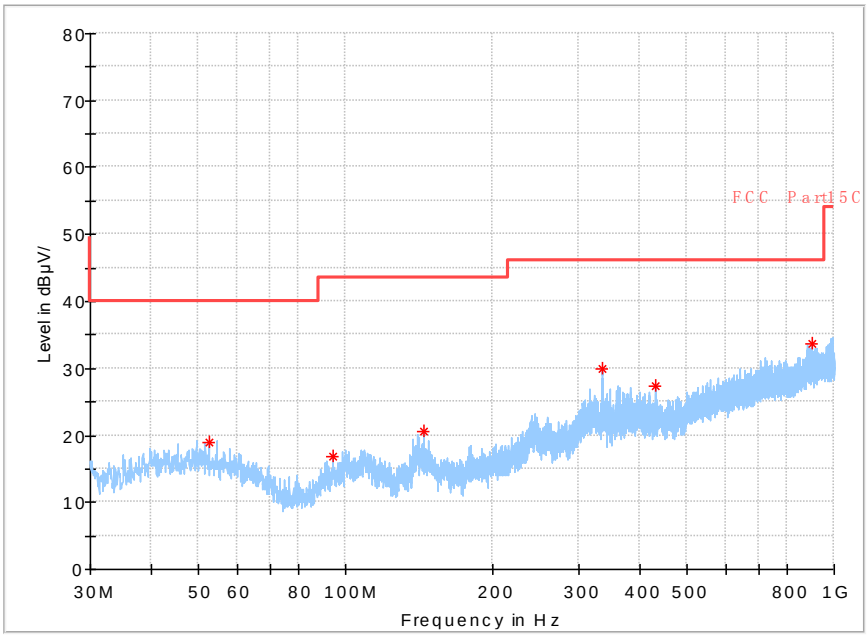
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3825.000000	40.41	---	74.00	33.59	V	-5.0
3825.000000	---	28.65	54.00	25.35	V	-5.0
4957.500000	42.34	---	74.00	31.66	V	-3.0
4957.500000	---	29.44	54.00	24.56	V	-3.0
7440.000000	48.37	---	74.00	25.63	V	-0.3
7440.000000	---	41.47	54.00	12.53	V	-0.3
9562.500000	---	31.67	54.00	22.33	V	2.3
9562.500000	43.78	---	74.00	30.22	V	2.3
11002.50000	44.51	---	74.00	29.49	V	3.4
11002.50000	---	32.30	54.00	21.70	V	3.4
15007.50000	---	36.40	54.00	17.60	V	10.7
15007.50000	47.26	---	74.00	26.74	V	10.7



(GFSK _2480MHz, Antenna Vertical, 18GHz to 25GHz)

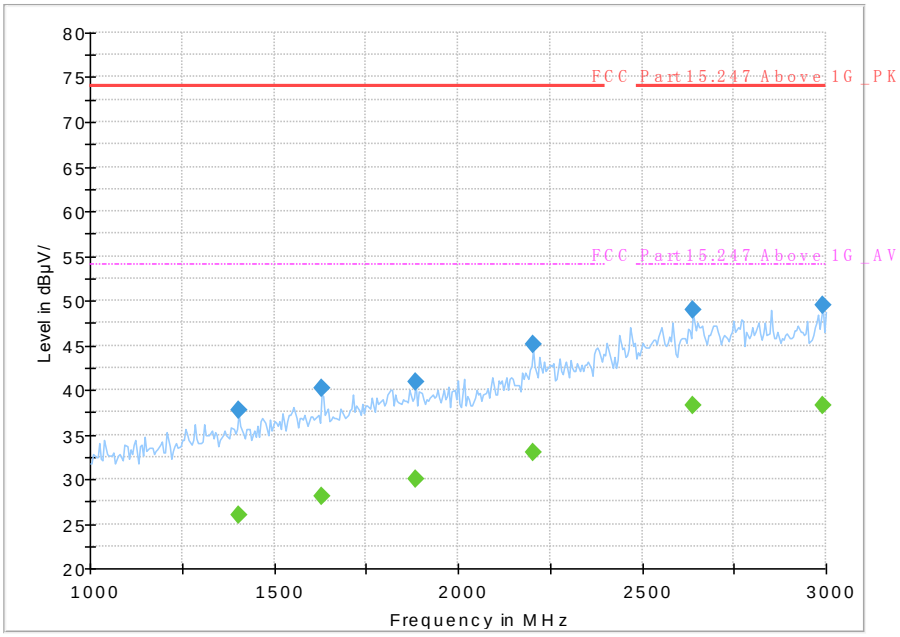
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18560.000000	42.89	---	74.00	31.11	V	-5.2
18560.000000	---	31.11	54.00	22.89	V	-5.2
20091.833333	---	30.64	54.00	23.37	V	-5.0
20091.833333	42.58	---	74.00	31.42	V	-5.0
21309.444444	40.84	---	74.00	33.16	V	-4.9
21309.444444	---	29.76	54.00	24.24	V	-4.9
22364.111111	41.74	---	74.00	32.26	V	-4.9
22364.111111	---	30.09	54.00	23.91	V	-4.9
23989.277778	---	30.79	54.00	23.21	V	-4.7
23989.277778	41.91	---	74.00	32.09	V	-4.7
24679.166667	42.29	---	74.00	31.71	V	-4.8
24679.166667	---	31.14	54.00	22.86	V	-4.8

π/4-DQPSK Test mode



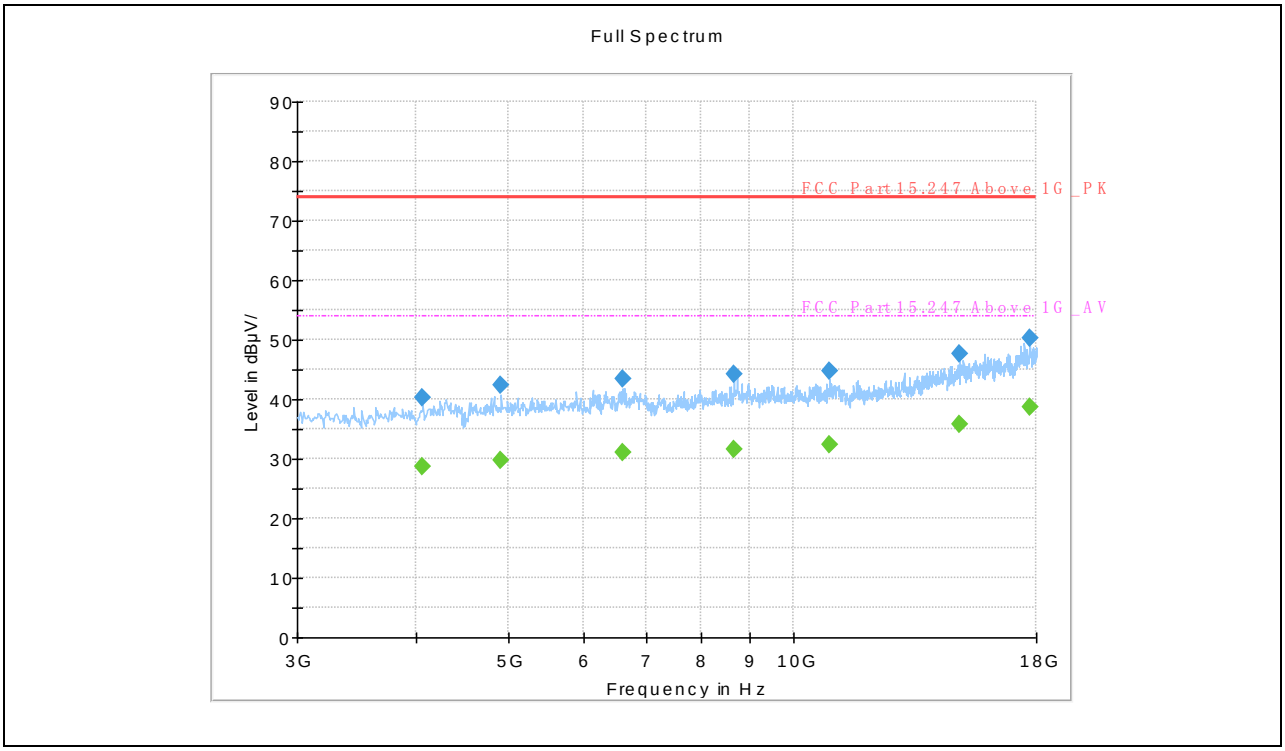
(π/4-DQPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
52.417778	19.05	---	40.00	20.95	H	15.4
94.397222	16.82	---	43.50	26.68	H	13.0
144.567778	20.54	---	43.50	22.96	H	10.4
335.981111	29.93	---	46.00	16.07	H	17.6
431.364444	27.37	---	46.00	18.63	H	19.3
904.023889	33.71	---	46.00	12.29	H	28.1



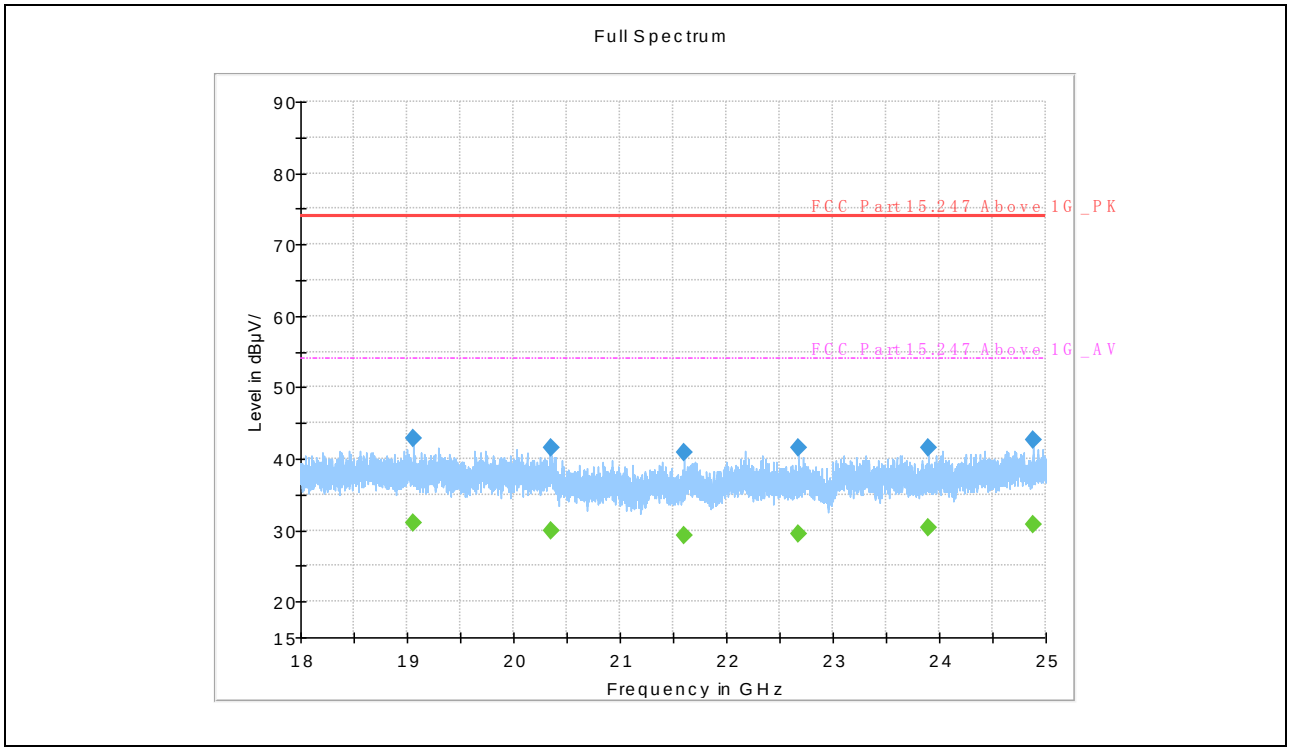
(π/4-DQPSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1405.000000	---	25.98	54.00	28.02	H	0.9
1405.000000	37.64	---	74.00	36.36	H	0.9
1630.000000	---	28.12	54.00	25.88	H	3.3
1630.000000	40.12	---	74.00	33.88	H	3.3
1885.000000	40.94	---	74.00	33.06	H	6.0
1885.000000	---	29.93	54.00	24.07	H	6.0
2205.000000	---	32.99	54.00	21.01	H	9.4
2205.000000	45.06	---	74.00	28.94	H	9.4
2640.000000	49.02	---	74.00	24.98	H	15.2
2640.000000	---	38.28	54.00	15.72	H	15.2
2990.000000	---	38.23	54.00	15.77	H	16.3
2990.000000	49.44	---	74.00	24.56	H	16.3



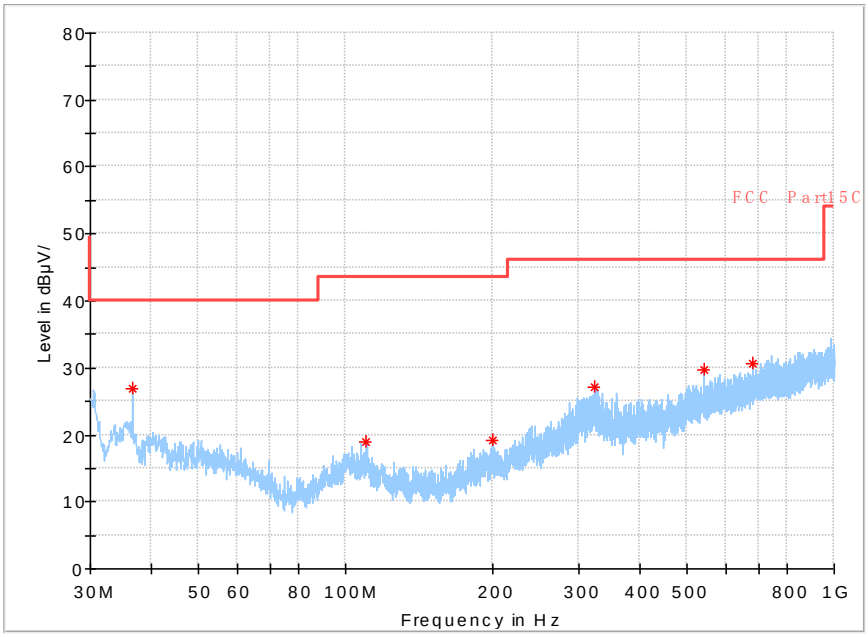
(π/4-DQPSK _2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
4065.000000	40.13	---	74.00	33.87	H	-4.7
4065.000000	---	28.62	54.00	25.38	H	-4.7
4920.000000	42.28	---	74.00	31.72	H	-2.8
4920.000000	---	29.79	54.00	24.21	H	-2.8
6600.000000	---	31.13	54.00	22.87	H	-1.0
6600.000000	43.39	---	74.00	30.61	H	-1.0
8647.500000	---	31.52	54.00	22.48	H	1.2
8647.500000	44.13	---	74.00	29.87	H	1.2
10905.00000	---	32.35	54.00	21.65	H	3.2
10905.00000	44.76	---	74.00	29.24	H	3.2
14962.50000	47.52	---	74.00	26.48	H	9.8
14962.50000	---	35.81	54.00	18.19	H	9.8



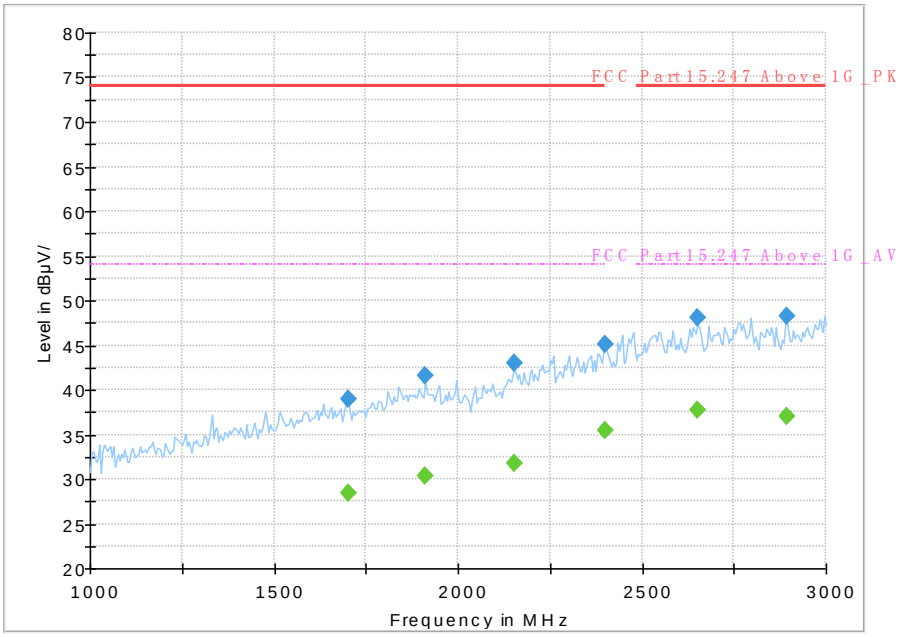
(π/4-DQPSK _2402MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
19053.888889	---	31.08	54.00	22.92	H	-5.4
19053.888889	42.93	---	74.00	31.07	H	-5.4
20351.611111	---	29.98	54.00	24.02	H	-5.1
20351.611111	41.55	---	74.00	32.45	H	-5.1
21608.500000	40.92	---	74.00	33.08	H	-5.1
21608.500000	---	29.25	54.00	24.75	H	-5.1
22681.055556	41.55	---	74.00	32.45	H	-4.9
22681.055556	---	29.45	54.00	24.55	H	-4.9
23894.388889	41.44	---	74.00	32.56	H	-4.7
23894.388889	---	30.40	54.00	23.60	H	-4.7
24888.000000	42.63	---	74.00	31.37	H	-4.8
24888.000000	---	30.89	54.00	23.11	H	-4.8



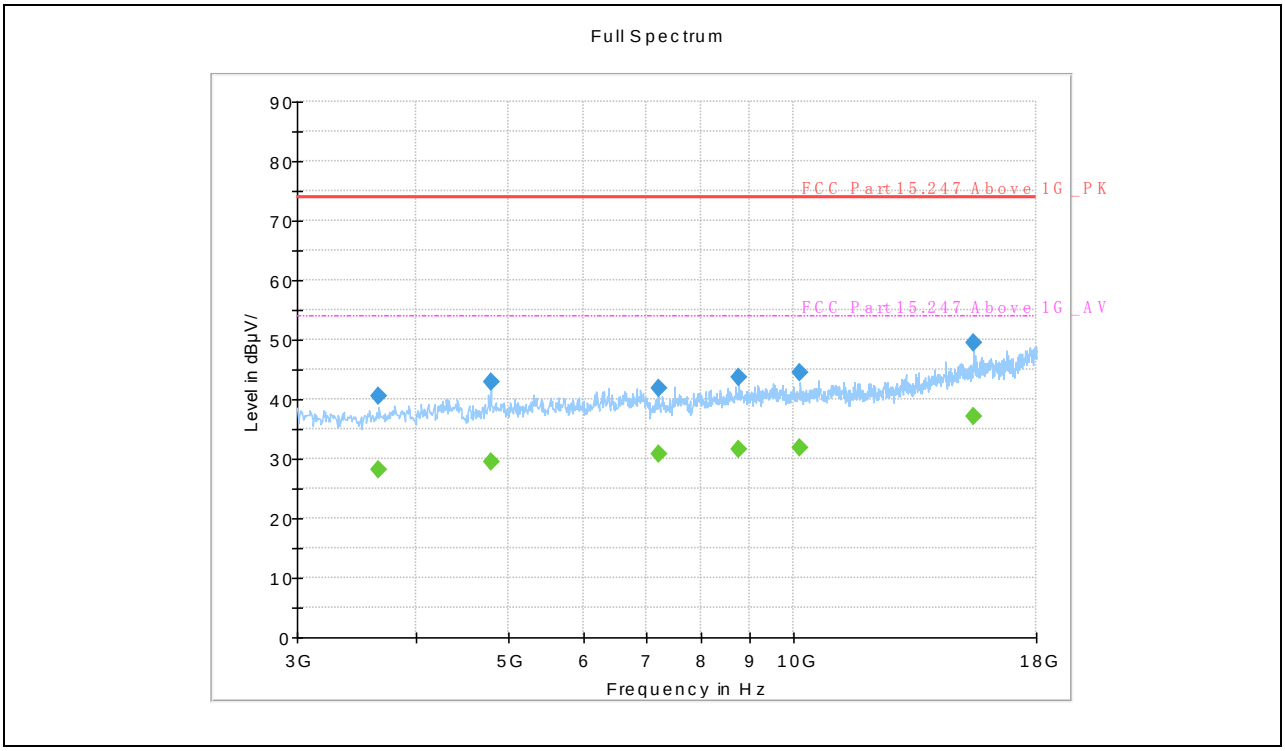
(π/4-DQPSK _2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
36.628333	26.98	---	40.00	13.02	V	13.4
110.402222	18.92	---	43.50	24.58	V	14.8
199.965556	19.22	---	43.50	24.28	V	14.4
323.856111	27.04	---	46.00	18.96	V	17.7
540.004444	29.67	---	46.00	16.33	V	22.4
681.678333	30.55	---	46.00	15.45	V	24.6



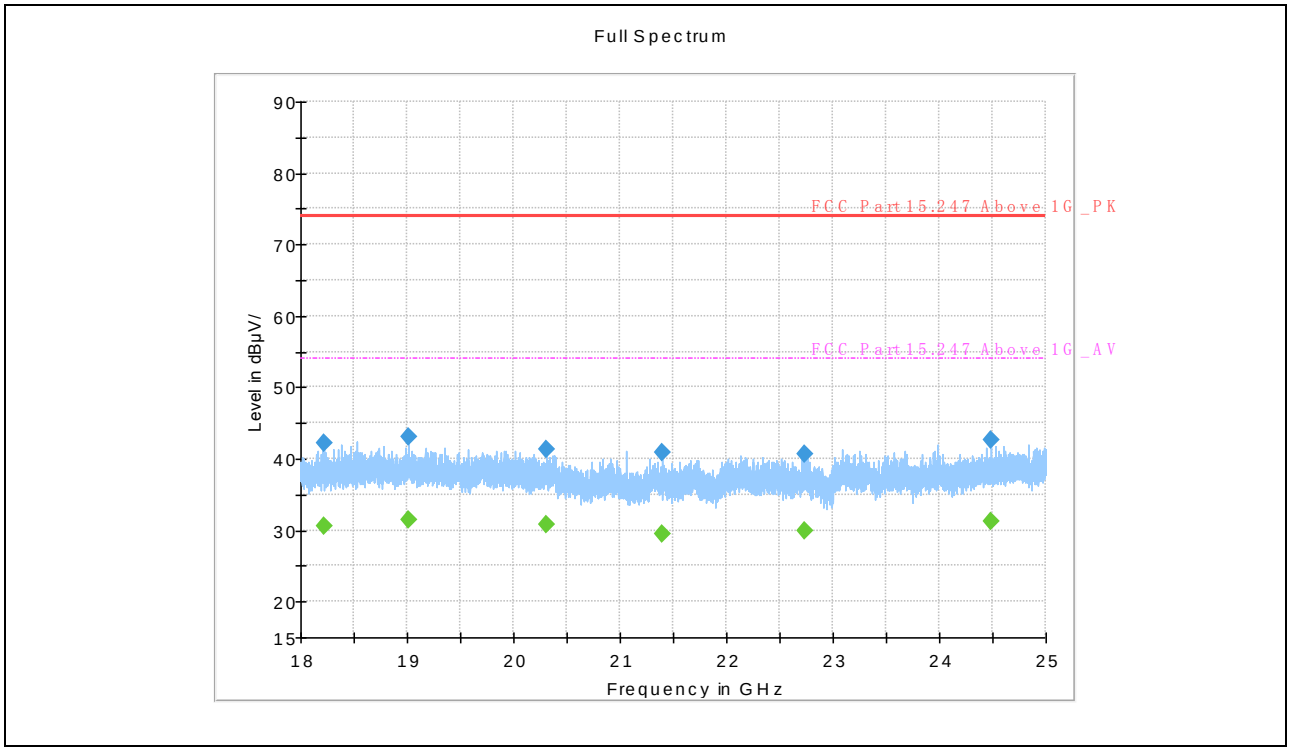
(π/4-DQPSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1700.000000	---	28.48	54.00	25.52	V	3.9
1700.000000	38.97	---	74.00	35.03	V	3.9
1910.000000	41.52	---	74.00	32.48	V	6.2
1910.000000	---	30.35	54.00	23.65	V	6.2
2155.000000	---	31.80	54.00	22.20	V	8.3
2155.000000	43.06	---	74.00	30.94	V	8.3
2400.000000	---	35.37	54.00	18.63	V	12.3
2400.000000	45.13	---	74.00	28.87	V	12.3
2650.000000	48.08	---	74.00	25.92	V	15.6
2650.000000	---	37.78	54.00	16.22	V	15.6
2895.000000	---	36.97	54.00	17.03	V	15.2
2895.000000	48.23	---	74.00	25.77	V	15.2



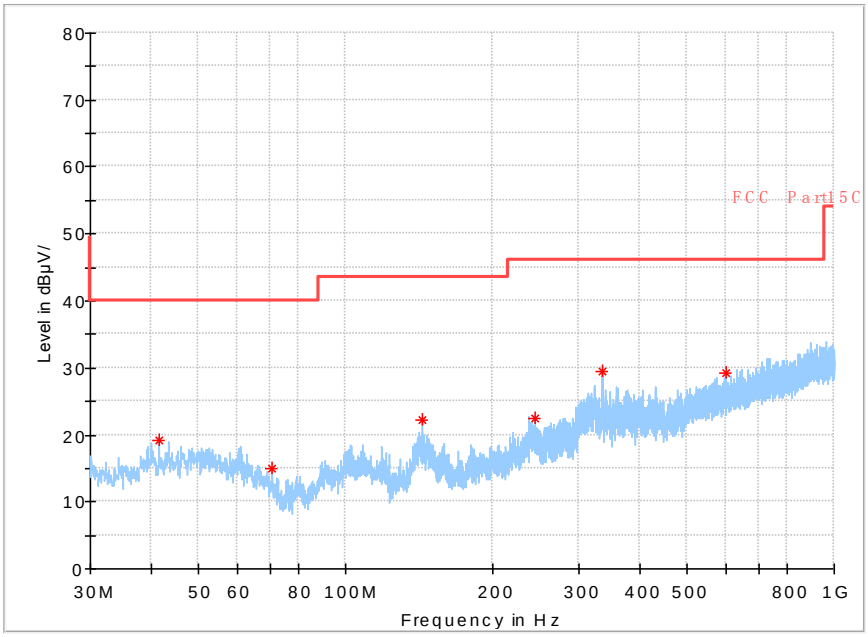
(π/4-DQPSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3660.000000	40.61	---	74.00	33.39	V	-5.6
3660.000000	---	28.18	54.00	25.82	V	-5.6
4800.000000	42.79	---	74.00	31.21	V	-3.4
4800.000000	---	29.51	54.00	24.49	V	-3.4
7207.500000	---	30.76	54.00	23.24	V	-0.4
7207.500000	41.82	---	74.00	32.18	V	-0.4
8752.500000	43.66	---	74.00	30.34	V	1.4
8752.500000	---	31.48	54.00	22.52	V	1.4
10162.50000	44.39	---	74.00	29.61	V	2.0
10162.50000	---	31.88	54.00	22.12	V	2.0
15480.00000	---	37.06	54.00	16.94	V	11.1
15480.00000	49.47	---	74.00	24.53	V	11.1



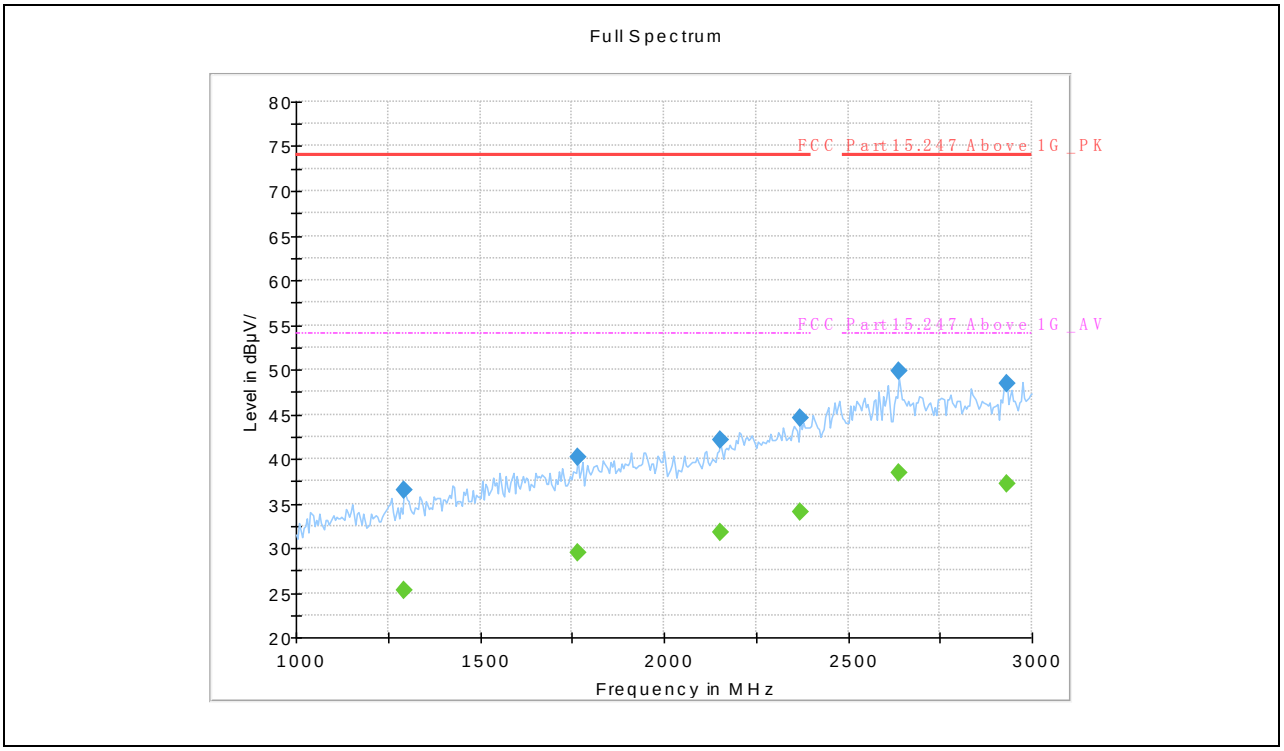
(π/4-DQPSK _2402MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18216.611111	42.22	---	74.00	31.78	V	-5.5
18216.611111	---	30.51	54.00	23.49	V	-5.5
19010.722222	---	31.50	54.00	22.50	V	-5.3
19010.722222	43.09	---	74.00	30.91	V	-5.3
20309.222222	---	30.70	54.00	23.30	V	-5.0
20309.222222	41.22	---	74.00	32.78	V	-5.0
21391.500000	40.96	---	74.00	33.04	V	-5.0
21391.500000	---	29.38	54.00	24.62	V	-5.0
22734.722222	---	29.86	54.00	24.14	V	-4.9
22734.722222	40.70	---	74.00	33.30	V	-4.9
24483.944444	---	31.14	54.00	22.86	V	-4.6
24483.944444	42.68	---	74.00	31.32	V	-4.6



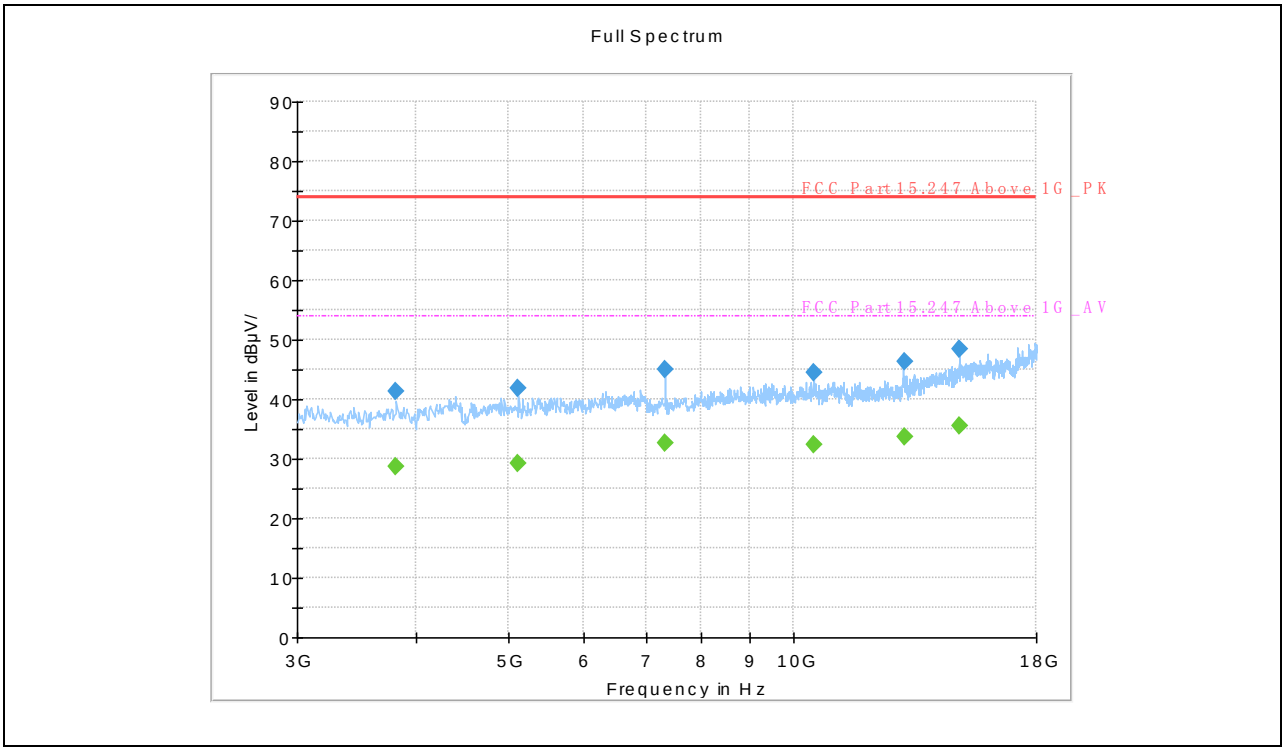
(π/4-DQPSK _2441MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
41.424444	19.19	---	40.00	20.81	H	14.9
70.793889	14.89	---	40.00	25.11	H	11.5
143.867222	22.32	---	43.50	21.18	H	10.6
244.477778	22.51	---	46.00	23.49	H	14.9
335.711667	29.52	---	46.00	16.48	H	17.6
600.036667	29.15	---	46.00	16.85	H	23.5



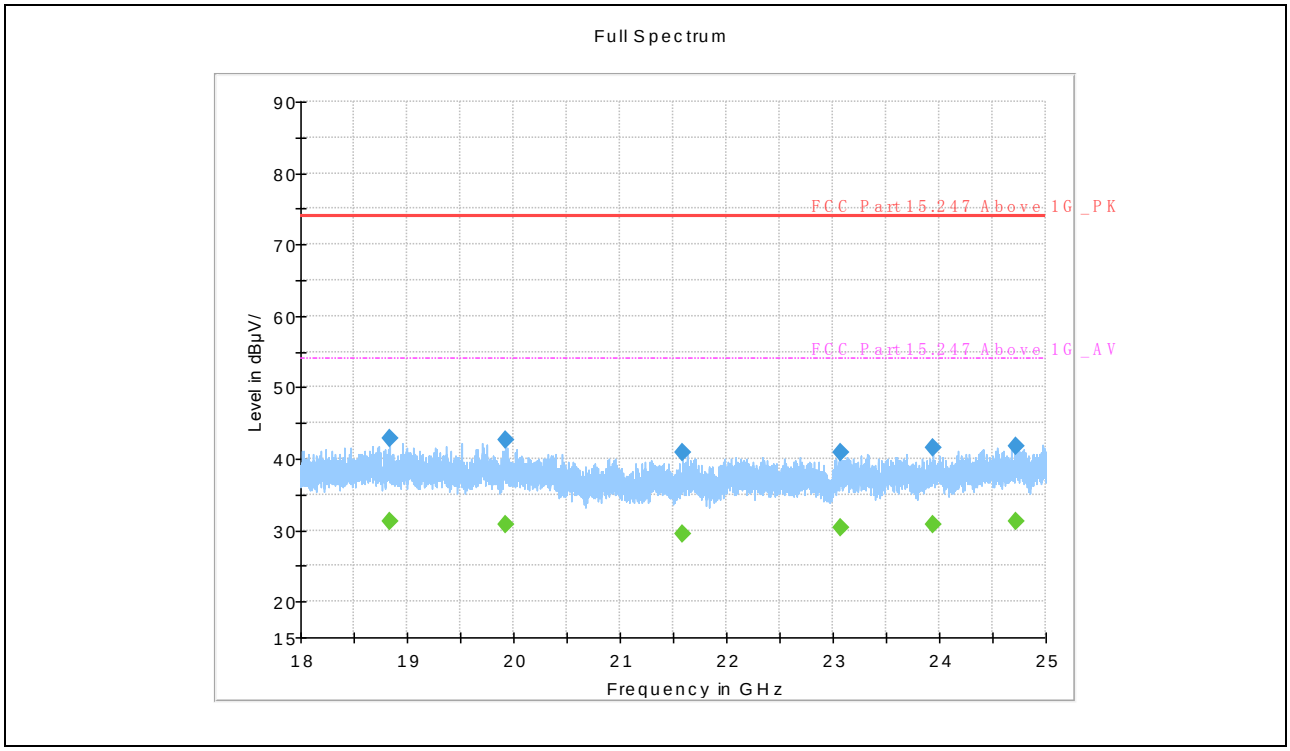
(π/4-DQPSK _2441MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1295.000000	36.51	---	74.00	37.49	H	-0.3
1295.000000	---	25.20	54.00	28.80	H	-0.3
1765.000000	40.13	---	74.00	33.87	H	5.1
1765.000000	---	29.39	54.00	24.61	H	5.1
2155.000000	42.08	---	74.00	31.92	H	8.3
2155.000000	---	31.84	54.00	22.16	H	8.3
2370.000000	---	34.06	54.00	19.94	H	11.8
2370.000000	44.54	---	74.00	29.46	H	11.8
2640.000000	---	38.35	54.00	15.65	H	15.2
2640.000000	49.90	---	74.00	24.10	H	15.2
2930.000000	48.49	---	74.00	25.51	H	15.7
2930.000000	---	37.15	54.00	16.85	H	15.7



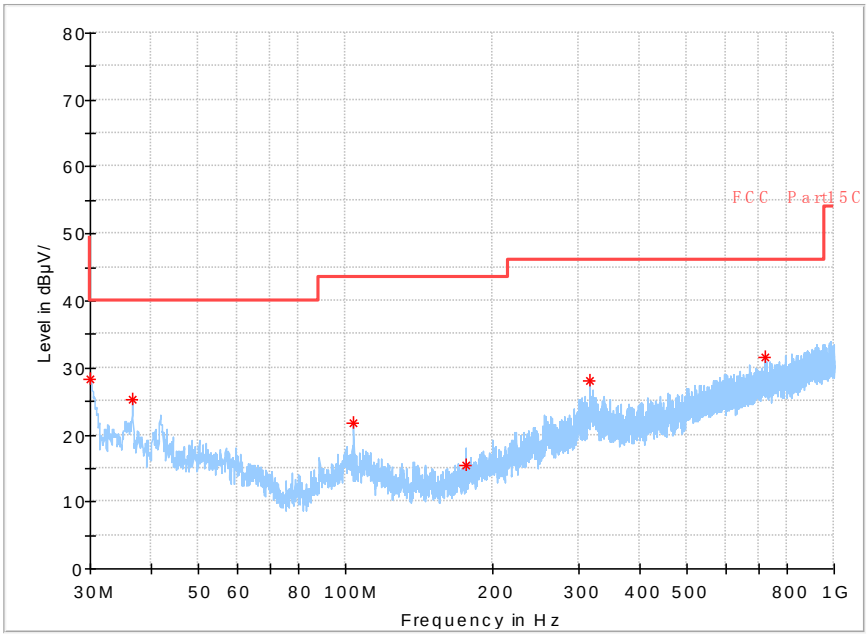
(π/4-DQPSK _2441MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3817.500000	41.23	---	74.00	32.77	H	-5.0
3817.500000	---	28.78	54.00	25.22	H	-5.0
5130.000000	41.85	---	74.00	32.15	H	-3.2
5130.000000	---	29.30	54.00	24.70	H	-3.2
7320.000000	45.10	---	74.00	28.90	H	-0.2
7320.000000	---	32.58	54.00	21.42	H	-0.2
10492.50000	44.50	---	74.00	29.50	H	2.7
10492.50000	---	32.29	54.00	21.71	H	2.7
13065.00000	46.19	---	74.00	27.81	H	6.5
13065.00000	---	33.62	54.00	20.38	H	6.5
14940.00000	48.40	---	74.00	25.60	H	9.6
14940.00000	---	35.53	54.00	18.47	H	9.6



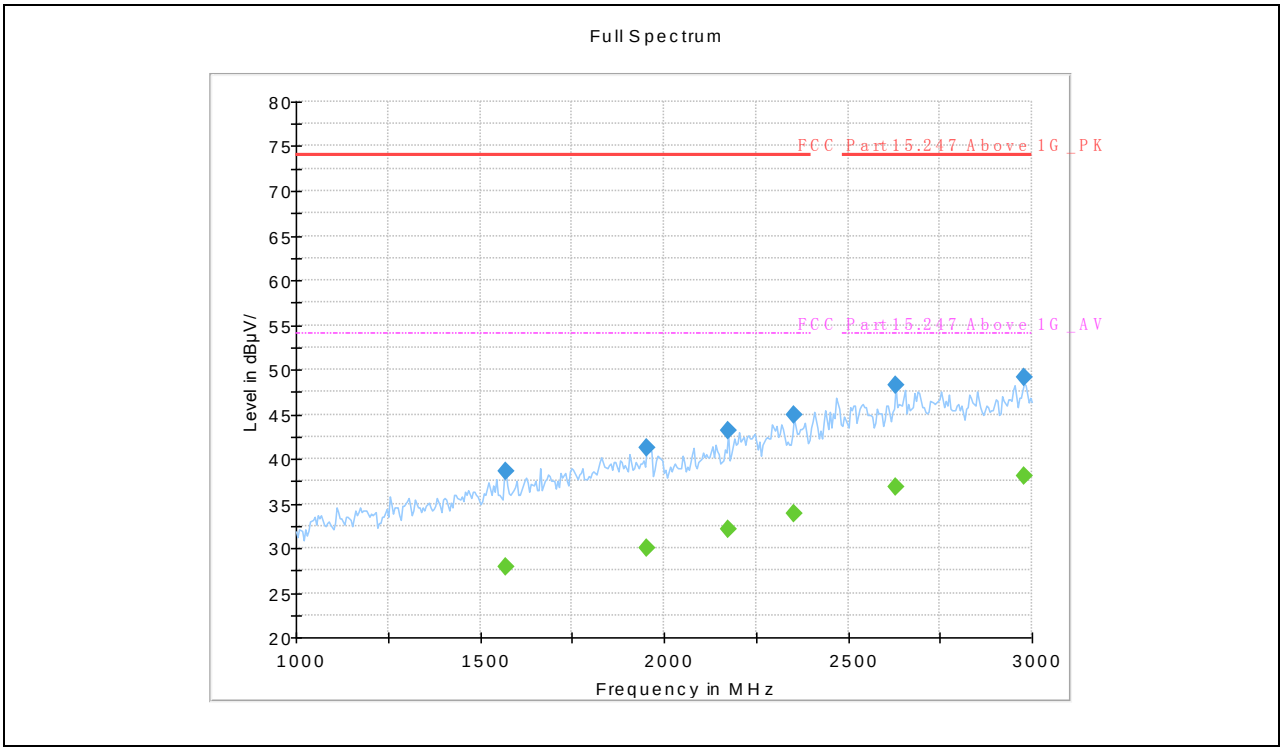
(π/4-DQPSK _2441MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18833.777778	42.86	---	74.00	31.14	H	-5.3
18833.777778	---	31.24	54.00	22.76	H	-5.3
19929.277778	---	30.73	54.00	23.27	H	-5.0
19929.277778	42.64	---	74.00	31.36	H	-5.0
21582.444444	---	29.58	54.00	24.42	H	-5.1
21582.444444	40.84	---	74.00	33.16	H	-5.1
23078.888889	---	30.46	54.00	23.54	H	-5.0
23078.888889	40.84	---	74.00	33.16	H	-5.0
23939.500000	41.56	---	74.00	32.44	H	-4.7
23939.500000	---	30.81	54.00	23.19	H	-4.7
24721.166667	---	31.12	54.00	22.88	H	-4.8
24721.166667	41.72	---	74.00	32.28	H	-4.8



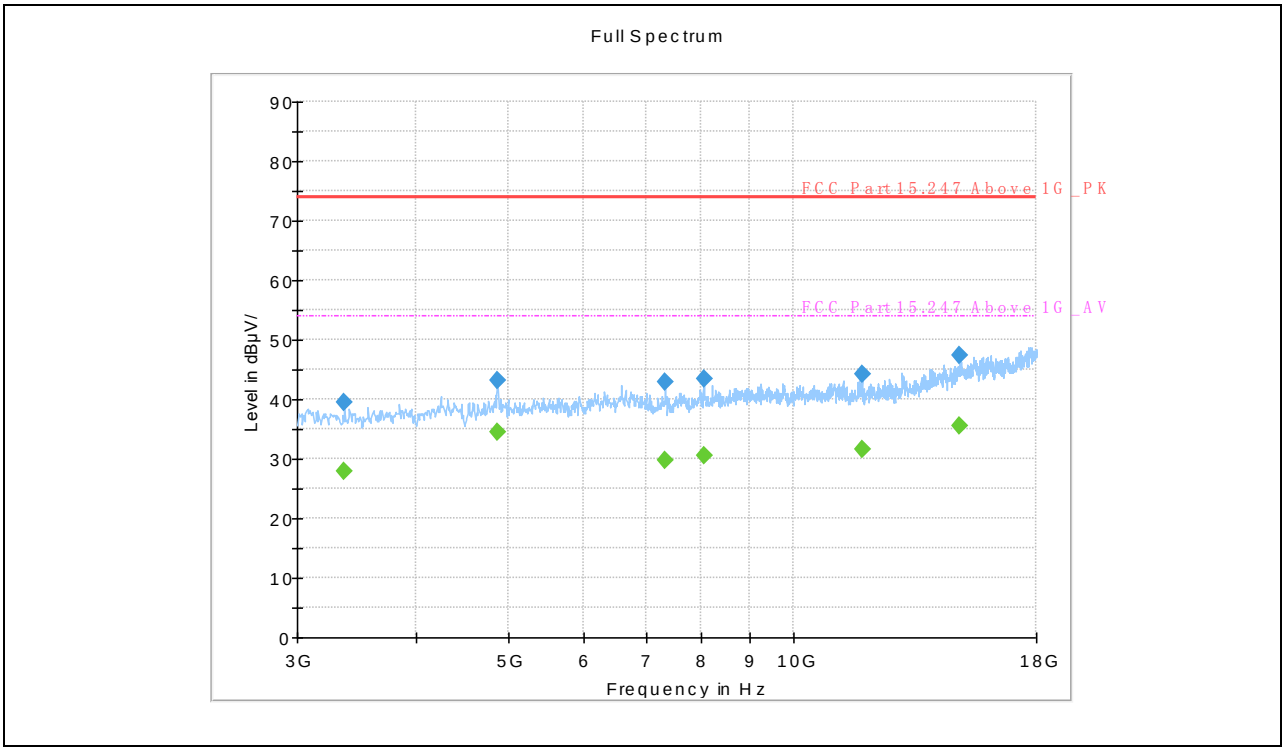
(π/4-DQPSK _2441MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.053889	28.27	---	40.00	11.73	V	13.8
36.574444	25.36	---	40.00	14.64	V	13.4
103.989444	21.79	---	43.50	21.71	V	14.3
176.200556	15.37	---	43.50	28.13	V	11.7
315.772778	28.05	---	46.00	17.95	V	17.2
723.819444	31.64	---	46.00	14.36	V	25.1



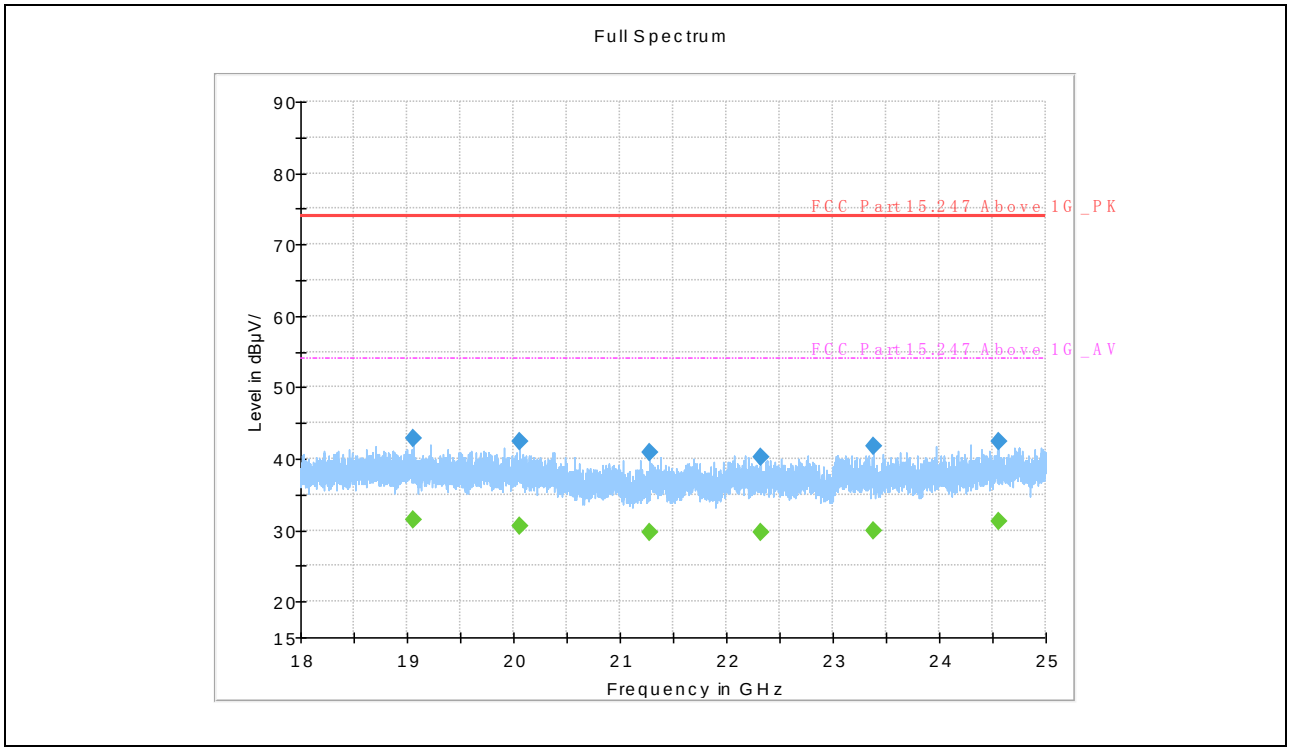
(π/4-DQPSK _2441MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1570.000000	---	27.87	54.00	26.13	V	3.0
1570.000000	38.54	---	74.00	35.46	V	3.0
1955.000000	---	30.08	54.00	23.92	V	6.5
1955.000000	41.24	---	74.00	32.76	V	6.5
2175.000000	43.10	---	74.00	30.90	V	8.8
2175.000000	---	32.03	54.00	21.97	V	8.8
2355.000000	---	33.88	54.00	20.12	V	11.5
2355.000000	44.88	---	74.00	29.12	V	11.5
2630.000000	---	36.82	54.00	17.18	V	14.6
2630.000000	48.33	---	74.00	25.67	V	14.6
2980.000000	49.08	---	74.00	24.92	V	16.3
2980.000000	---	38.02	54.00	15.98	V	16.3



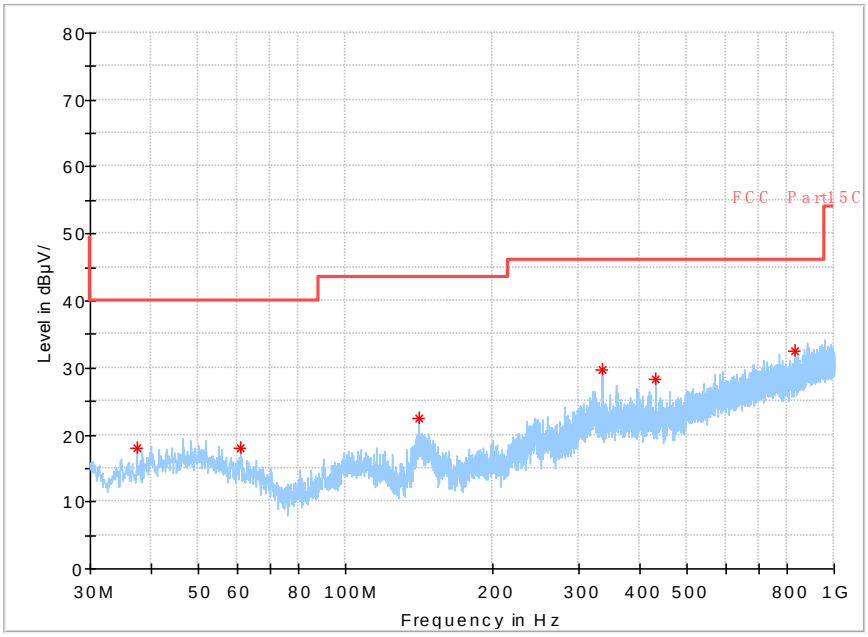
(π/4-DQPSK _2441MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3367.500000	---	27.93	54.00	26.07	V	-5.9
3367.500000	39.51	---	74.00	34.49	V	-5.9
4882.500000	---	34.46	54.00	19.54	V	-2.8
4882.500000	43.11	---	74.00	30.89	V	-2.8
7320.000000	---	29.69	54.00	24.31	V	-0.2
7320.000000	43.01	---	74.00	30.99	V	-0.2
8040.000000	---	30.45	54.00	23.55	V	0.4
8040.000000	43.32	---	74.00	30.68	V	0.4
11790.00000	44.29	---	74.00	29.71	V	3.5
11790.00000	---	31.46	54.00	22.54	V	3.5
14940.00000	47.49	---	74.00	26.51	V	9.6
14940.00000	---	35.53	54.00	18.47	V	9.6



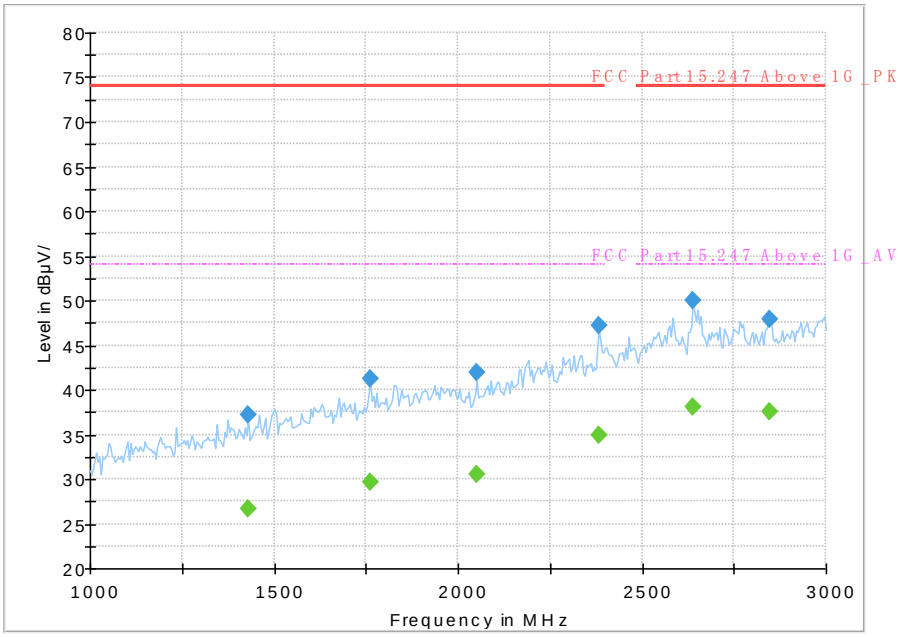
(π/4-DQPSK _2441MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
19062.055556	---	31.39	54.00	22.61	V	-5.4
19062.055556	42.85	---	74.00	31.15	V	-5.4
20064.611111	---	30.47	54.00	23.53	V	-5.0
20064.611111	42.37	---	74.00	31.63	V	-5.0
21278.722222	---	29.72	54.00	24.28	V	-5.0
21278.722222	40.88	---	74.00	33.12	V	-5.0
22317.055556	---	29.71	54.00	24.29	V	-4.9
22317.055556	40.17	---	74.00	33.83	V	-4.9
23376.777778	41.75	---	74.00	32.25	V	-4.9
23376.777778	---	29.88	54.00	24.12	V	-4.9
24551.611111	42.37	---	74.00	31.63	V	-4.6
24551.611111	---	31.25	54.00	22.75	V	-4.6



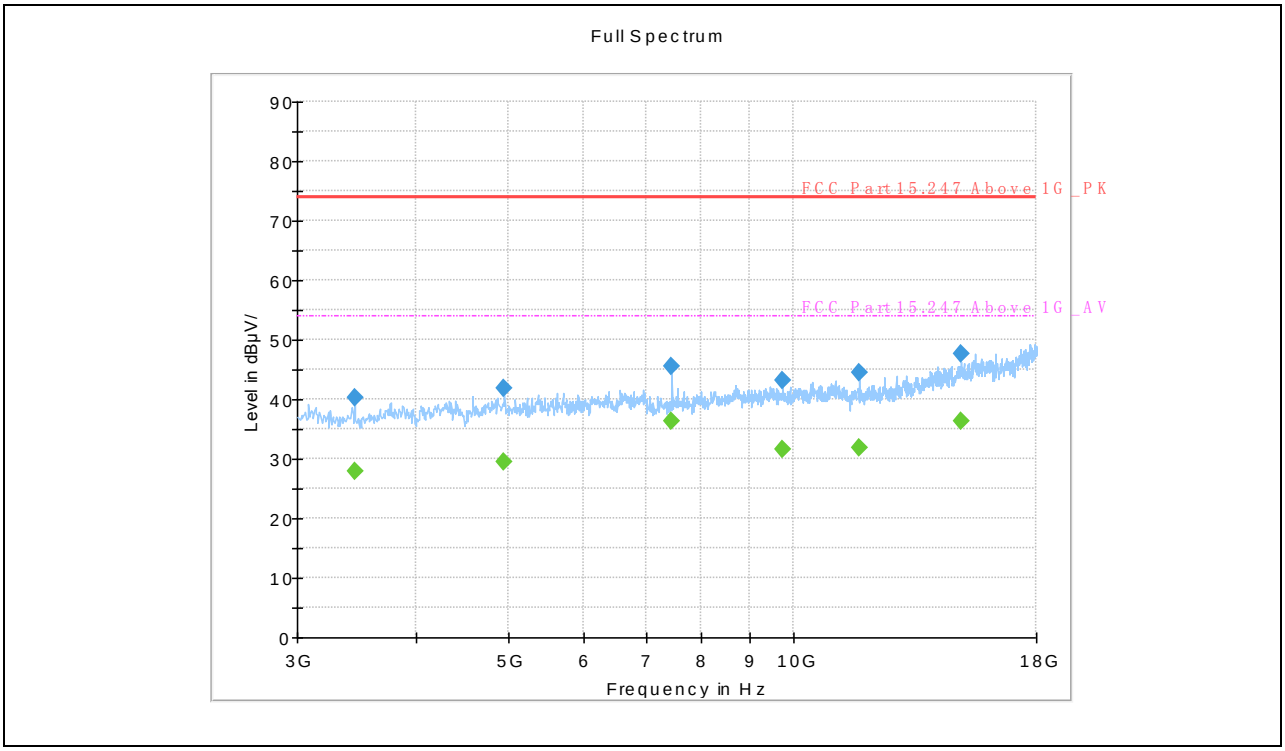
(π/4-DQPSK _2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
37.382778	17.96	---	40.00	22.04	H	13.8
60.986111	17.99	---	40.00	22.01	H	14.2
141.226667	22.51	---	43.50	20.99	H	11.7
335.873333	29.65	---	46.00	16.35	H	17.6
431.633889	28.21	---	46.00	17.79	H	19.3
829.657222	32.57	---	46.00	13.43	H	26.5



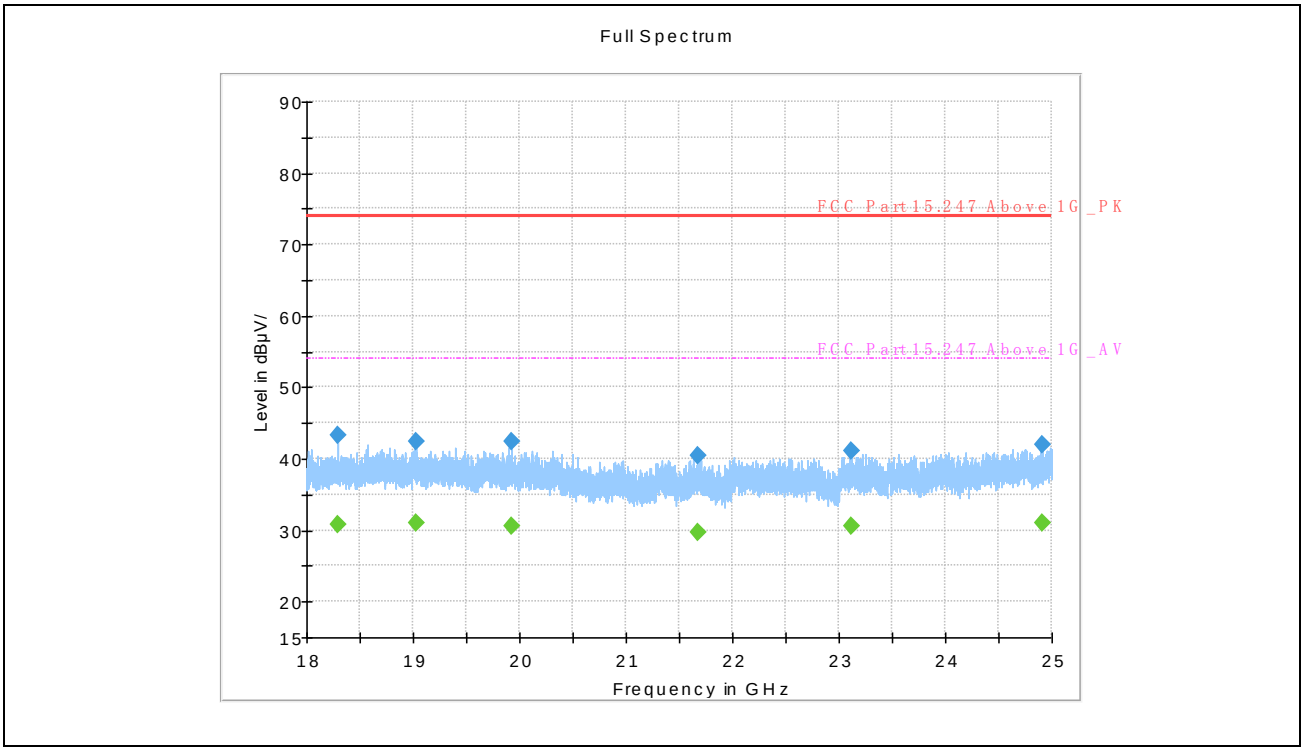
(π/4-DQPSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1430.000000	37.13	---	74.00	36.87	H	1.4
1430.000000	---	26.58	54.00	27.42	H	1.4
1760.000000	---	29.59	54.00	24.41	H	5.0
1760.000000	41.15	---	74.00	32.85	H	5.0
2050.000000	41.88	---	74.00	32.12	H	6.9
2050.000000	---	30.58	54.00	23.42	H	6.9
2385.000000	47.17	---	74.00	26.83	H	12.0
2385.000000	---	34.92	54.00	19.08	H	12.0
2640.000000	---	38.14	54.00	15.86	H	15.2
2640.000000	49.93	---	74.00	24.07	H	15.2
2845.000000	47.93	---	74.00	26.07	H	15.4
2845.000000	---	37.55	54.00	16.45	H	15.4



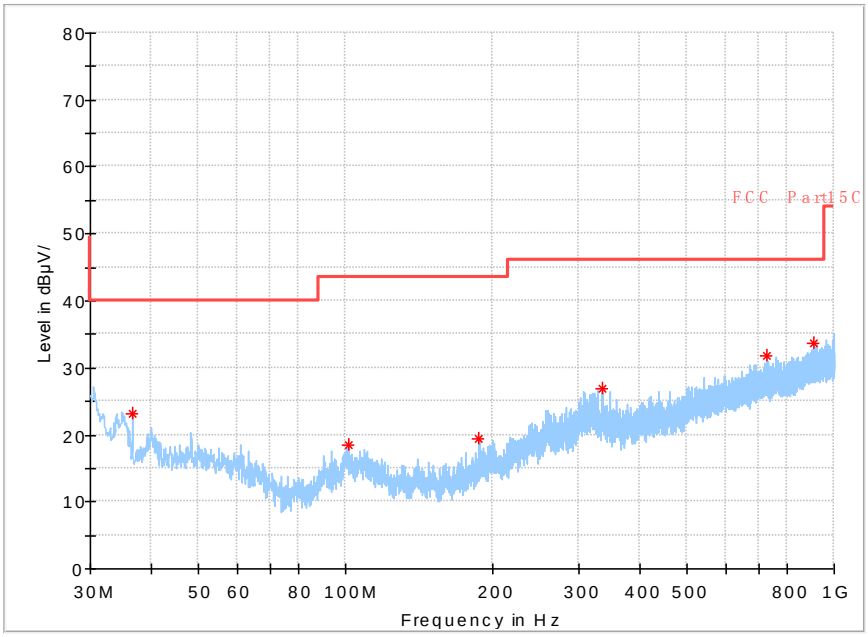
(π/4-DQPSK _2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3450.000000	---	27.89	54.00	26.11	H	-5.8
3450.000000	40.16	---	74.00	33.84	H	-5.8
4957.500000	---	29.47	54.00	24.53	H	-3.0
4957.500000	41.85	---	74.00	32.15	H	-3.0
7440.000000	45.51	---	74.00	28.49	H	-0.3
7440.000000	---	36.19	54.00	17.82	H	-0.3
9727.500000	---	31.67	54.00	22.33	H	2.1
9727.500000	43.27	---	74.00	30.73	H	2.1
11722.500000	---	31.95	54.00	22.05	H	3.9
11722.500000	44.39	---	74.00	29.61	H	3.9
14992.500000	47.59	---	74.00	26.41	H	10.4
14992.500000	---	36.27	54.00	17.73	H	10.4



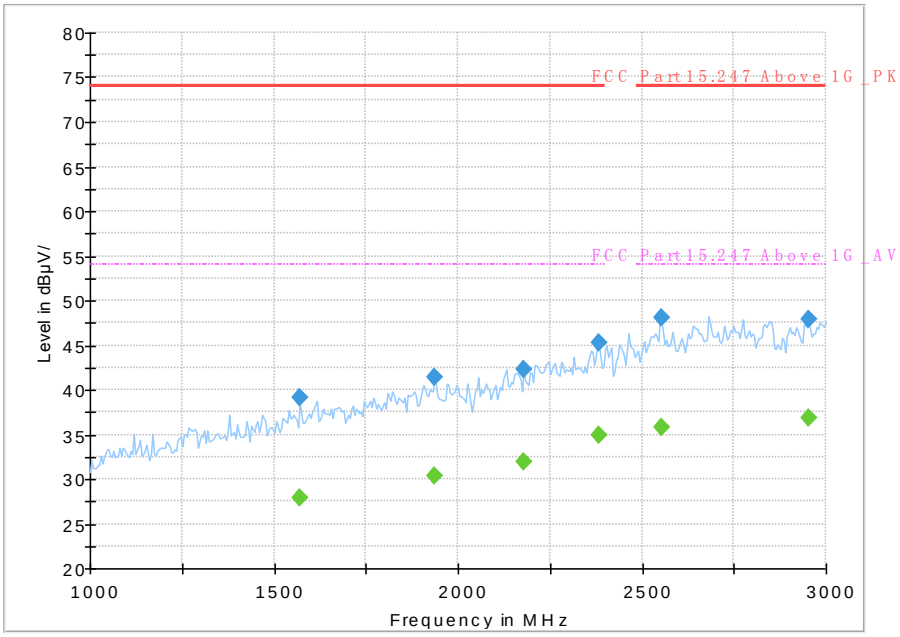
(π/4-DQPSK _2480MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18295.944444	---	30.90	54.00	23.10	H	-5.4
18295.944444	43.26	---	74.00	30.74	H	-5.4
19033.666667	42.49	---	74.00	31.51	H	-5.4
19033.666667	---	31.12	54.00	22.88	H	-5.4
19921.111111	---	30.58	54.00	23.42	H	-5.0
19921.111111	42.42	---	74.00	31.58	H	-5.0
21677.722222	---	29.62	54.00	24.38	H	-5.1
21677.722222	40.53	---	74.00	33.47	H	-5.1
23112.722222	41.02	---	74.00	32.98	H	-5.0
23112.722222	---	30.61	54.00	23.39	H	-5.0
24907.833333	---	31.10	54.00	22.90	H	-4.8
24907.833333	42.07	---	74.00	31.93	H	-4.8



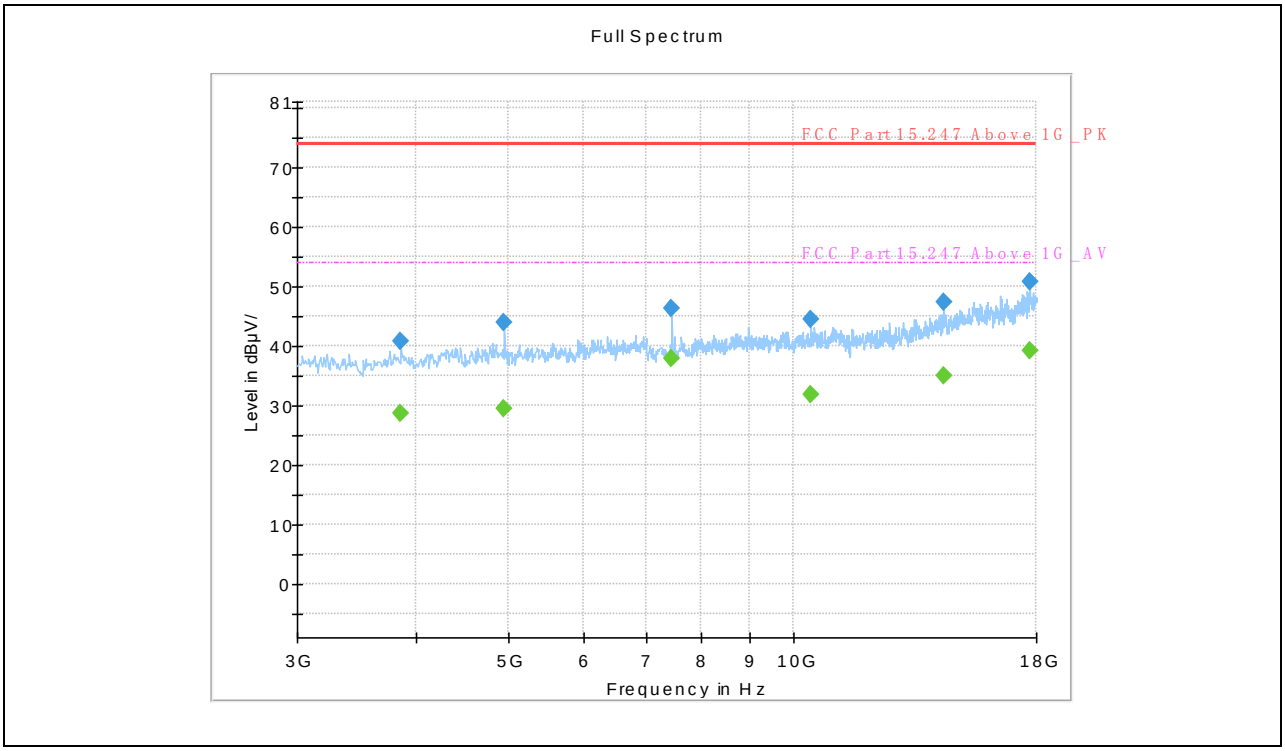
(π/4-DQPSK _2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
36.628333	23.19	---	40.00	16.81	V	13.4
101.295000	18.37	---	43.50	25.13	V	15.0
187.840556	19.37	---	43.50	24.13	V	13.0
335.550000	26.99	---	46.00	19.01	V	17.5
728.615556	31.74	---	46.00	14.26	V	25.3
906.179444	33.64	---	46.00	12.36	V	28.1



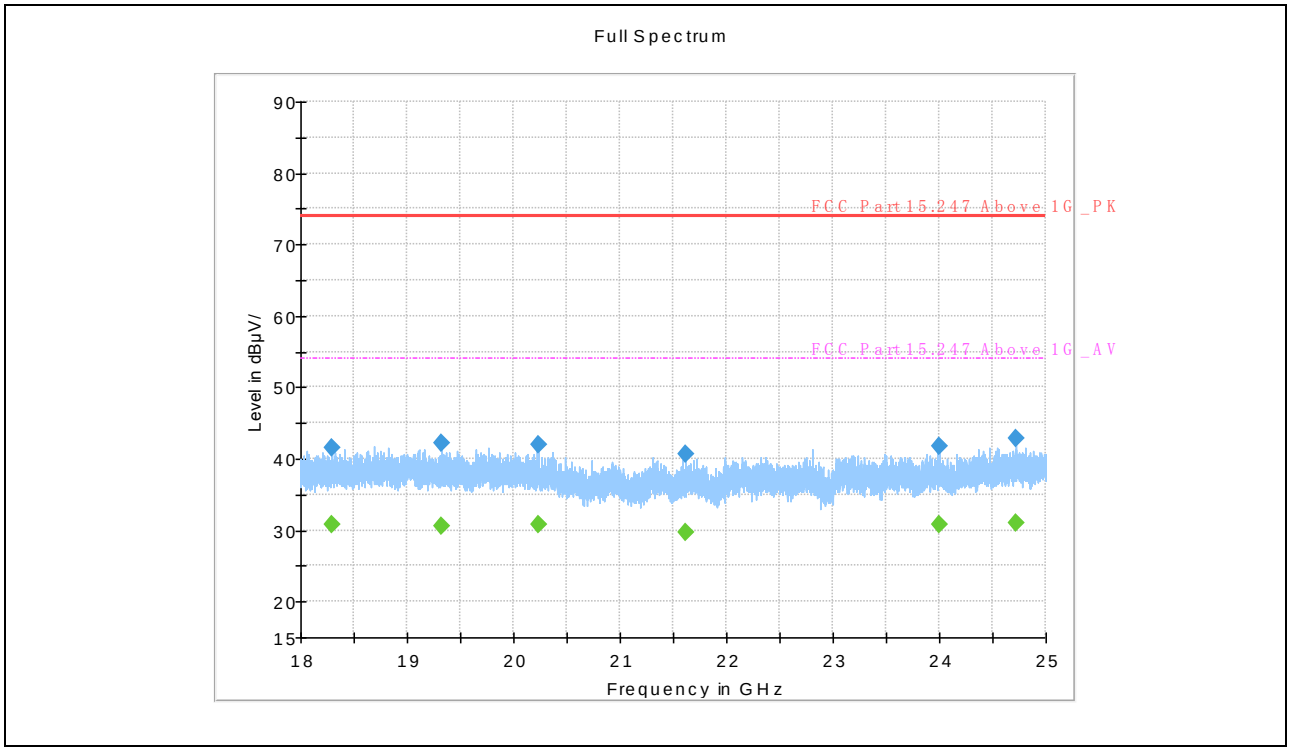
(π/4-DQPSK _2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1570.000000	39.17	---	74.00	34.83	V	3.0
1570.000000	---	27.91	54.00	26.09	V	3.0
1935.000000	41.47	---	74.00	32.53	V	6.4
1935.000000	---	30.39	54.00	23.61	V	6.4
2180.000000	---	32.00	54.00	22.00	V	9.0
2180.000000	42.23	---	74.00	31.77	V	9.0
2385.000000	45.26	---	74.00	28.74	V	12.0
2385.000000	---	34.90	54.00	19.10	V	12.0
2555.000000	---	35.87	54.00	18.13	V	14.2
2555.000000	48.02	---	74.00	25.98	V	14.2
2955.000000	47.96	---	74.00	26.04	V	15.9
2955.000000	---	36.79	54.00	17.21	V	15.9



(π/4-DQPSK _2480MHz, Antenna Vertical, 3GHz to 18GHz)

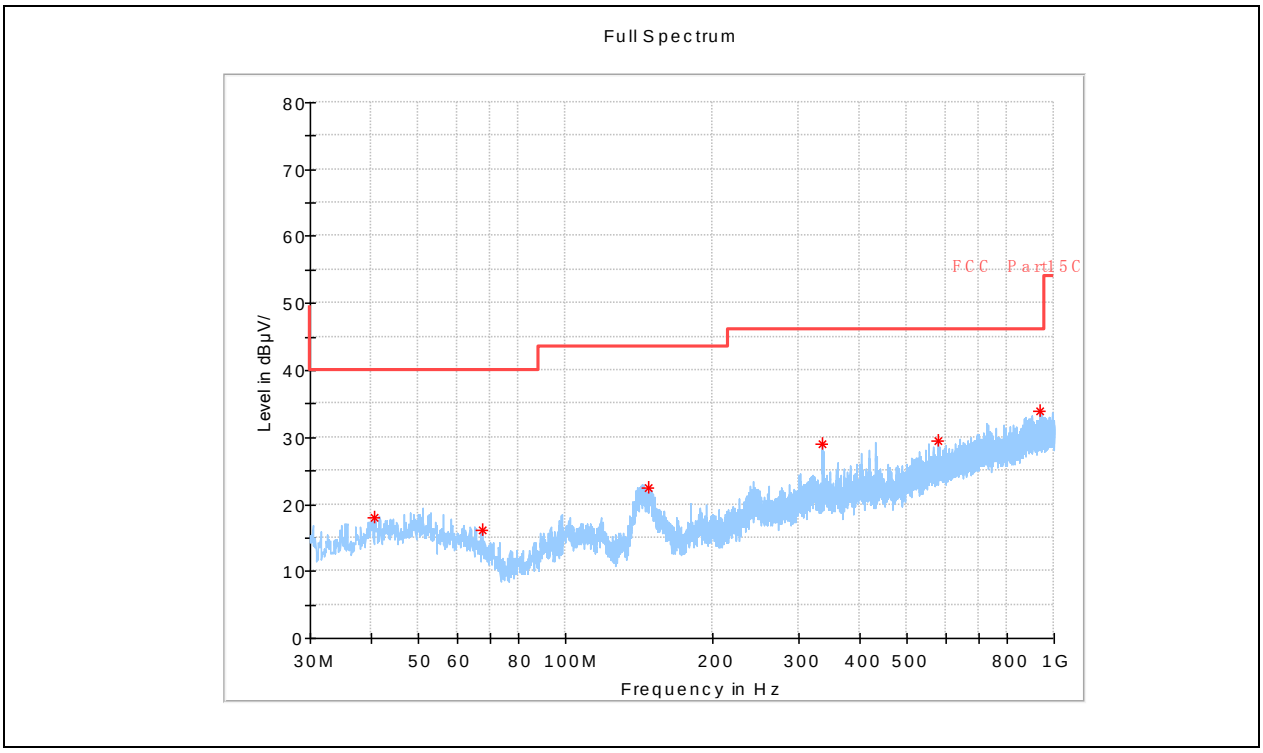
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3855.000000	40.74	---	74.00	33.26	V	-4.6
3855.000000	---	28.71	54.00	25.29	V	-4.6
4957.500000	---	29.46	54.00	24.54	V	-3.0
4957.500000	44.02	---	74.00	29.98	V	-3.0
7440.000000	46.14	---	74.00	27.86	V	-0.3
7440.000000	---	37.88	54.00	16.12	V	-0.3
10425.00000	---	31.91	54.00	22.09	V	2.7
10425.00000	44.39	---	74.00	29.61	V	2.7
14377.50000	47.23	---	74.00	26.77	V	9.4
14377.50000	---	34.95	54.00	19.05	V	9.4
17722.50000	50.65	---	74.00	23.35	V	14.7
17722.50000	---	39.23	54.00	14.77	V	14.7



(π/4-DQPSK _2480MHz, Antenna Vertical, 18GHz to 25GHz)

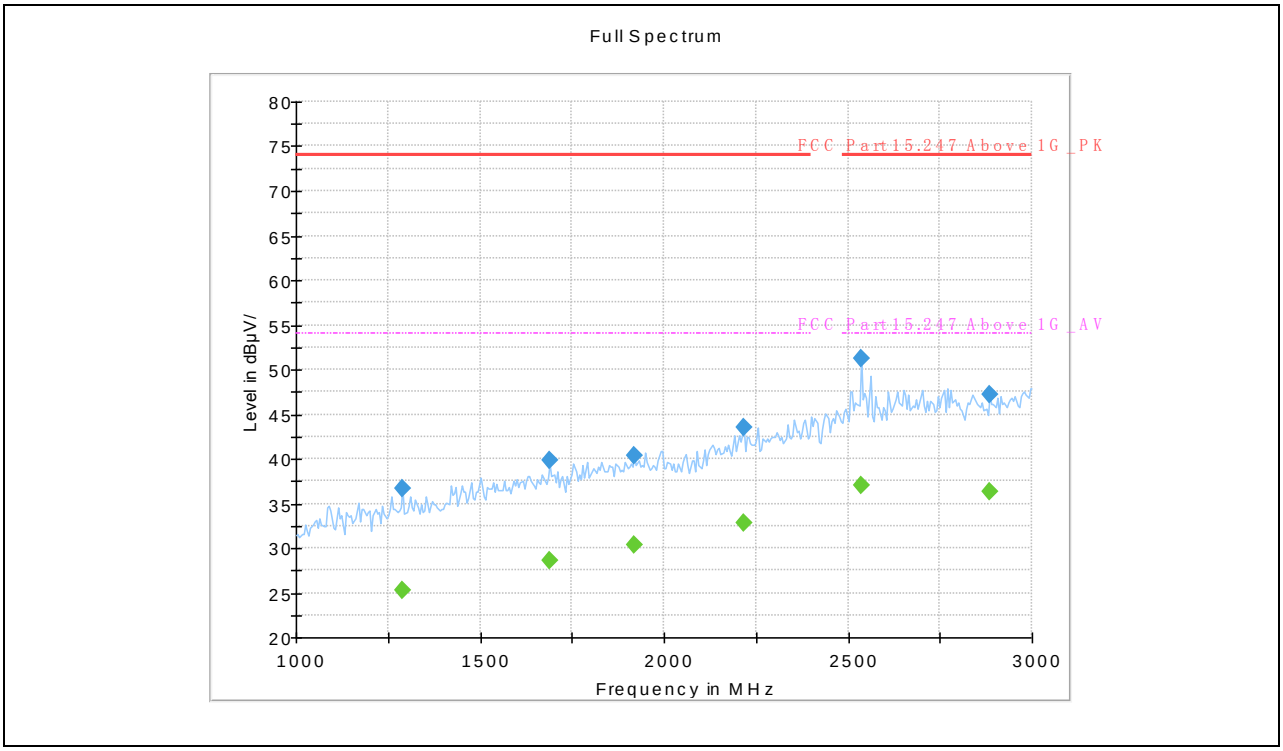
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18301.000000	---	30.79	54.00	23.21	V	-5.4
18301.000000	41.59	---	74.00	32.41	V	-5.4
19323.777778	---	30.60	54.00	23.40	V	-5.4
19323.777778	42.15	---	74.00	31.85	V	-5.4
20241.166667	---	30.79	54.00	23.21	V	-5.0
20241.166667	41.95	---	74.00	32.05	V	-5.0
21618.611111	---	29.67	54.00	24.33	V	-5.1
21618.611111	40.76	---	74.00	33.24	V	-5.1
23993.555556	41.76	---	74.00	32.24	V	-4.7
23993.555556	---	30.71	54.00	23.29	V	-4.7
24726.222222	42.86	---	74.00	31.14	V	-4.8
24726.222222	---	31.02	54.00	22.98	V	-4.8

8-DPSK Test mode



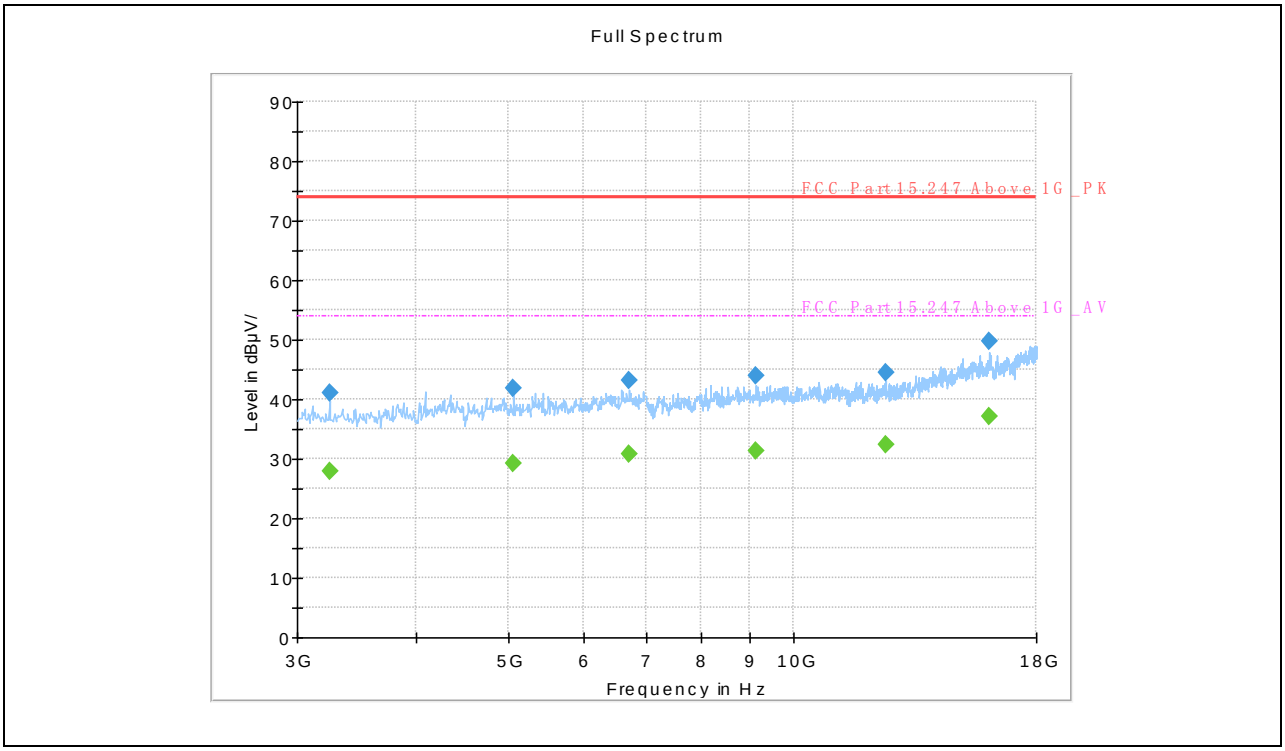
(8-DPSK _2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
40.723889	18.08	---	40.00	21.92	H	15.0
67.506667	16.03	---	40.00	23.97	H	12.6
148.232222	22.38	---	43.50	21.12	H	11.1
335.765556	29.10	---	46.00	16.90	H	17.6
577.403333	29.45	---	46.00	16.55	H	23.1
937.327222	33.94	---	46.00	12.06	H	28.3



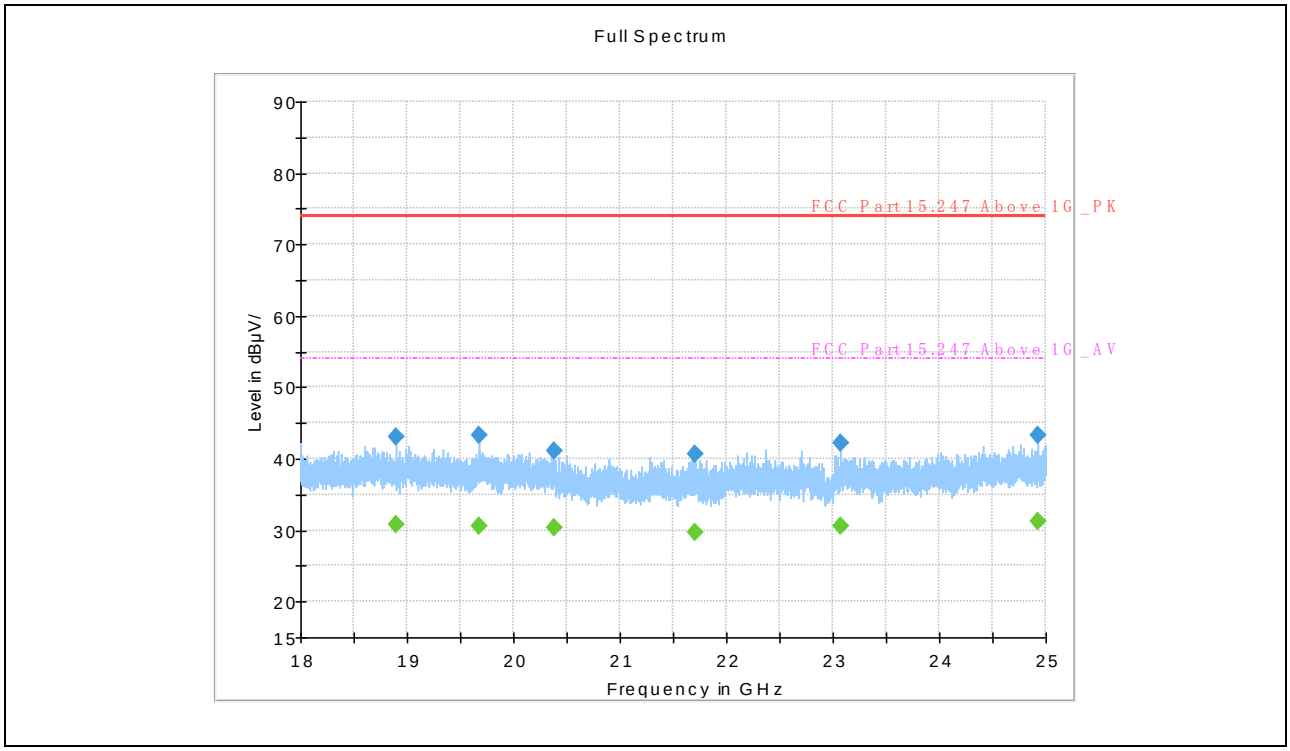
(8-DPSK _2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1290.000000	---	25.28	54.00	28.72	H	-0.3
1290.000000	36.72	---	74.00	37.28	H	-0.3
1690.000000	39.83	---	74.00	34.17	H	3.7
1690.000000	---	28.64	54.00	25.36	H	3.7
1920.000000	40.30	---	74.00	33.70	H	6.2
1920.000000	---	30.43	54.00	23.57	H	6.2
2215.000000	---	32.89	54.00	21.11	H	9.5
2215.000000	43.59	---	74.00	30.41	H	9.5
2535.000000	51.31	---	74.00	22.69	H	14.2
2535.000000	---	36.96	54.00	17.04	H	14.2
2885.000000	47.12	---	74.00	26.88	H	15.1
2885.000000	---	36.28	54.00	17.72	H	15.1



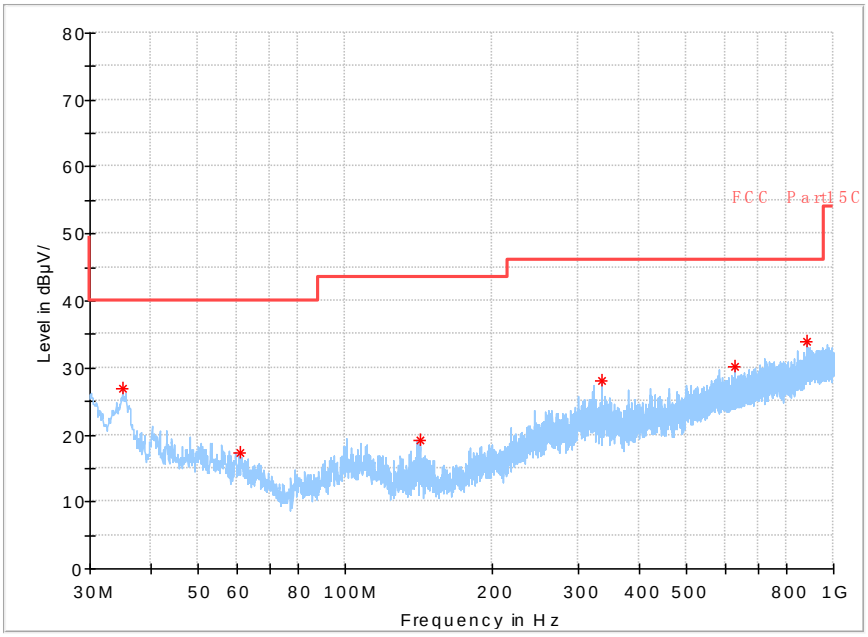
(8-DPSK _2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3247.500000	---	27.89	54.00	26.11	H	-6.1
3247.500000	41.06	---	74.00	32.94	H	-6.1
5070.000000	41.73	---	74.00	32.27	H	-3.0
5070.000000	---	29.30	54.00	24.70	H	-3.0
6712.500000	43.27	---	74.00	30.73	H	-1.0
6712.500000	---	30.76	54.00	23.24	H	-1.0
9120.000000	---	31.41	54.00	22.59	H	1.5
9120.000000	43.99	---	74.00	30.01	H	1.5
12480.00000	44.41	---	74.00	29.59	H	4.9
12480.00000	---	32.28	54.00	21.72	H	4.9
16080.00000	49.67	---	74.00	24.33	H	11.3
16080.00000	---	37.10	54.00	16.90	H	11.3



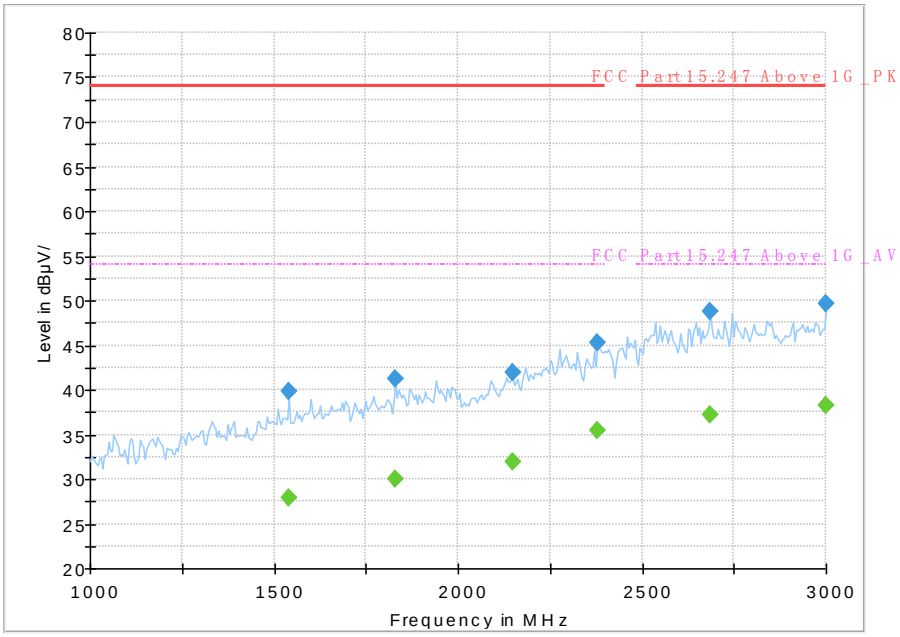
(8-DPSK _2402MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18899.888889	43.08	---	74.00	30.92	H	-5.3
18899.888889	---	30.83	54.00	23.17	H	-5.3
19678.833333	---	30.52	54.00	23.48	H	-5.3
19678.833333	43.22	---	74.00	30.78	H	-5.3
20375.722222	41.08	---	74.00	32.92	H	-5.1
20375.722222	---	30.26	54.00	23.74	H	-5.1
21710.388889	---	29.71	54.00	24.29	H	-5.1
21710.388889	40.60	---	74.00	33.40	H	-5.1
23070.722222	---	30.54	54.00	23.46	H	-5.0
23070.722222	42.17	---	74.00	31.83	H	-5.0
24930.777778	---	31.24	54.00	22.76	H	-4.8
24930.777778	43.25	---	74.00	30.75	H	-4.8



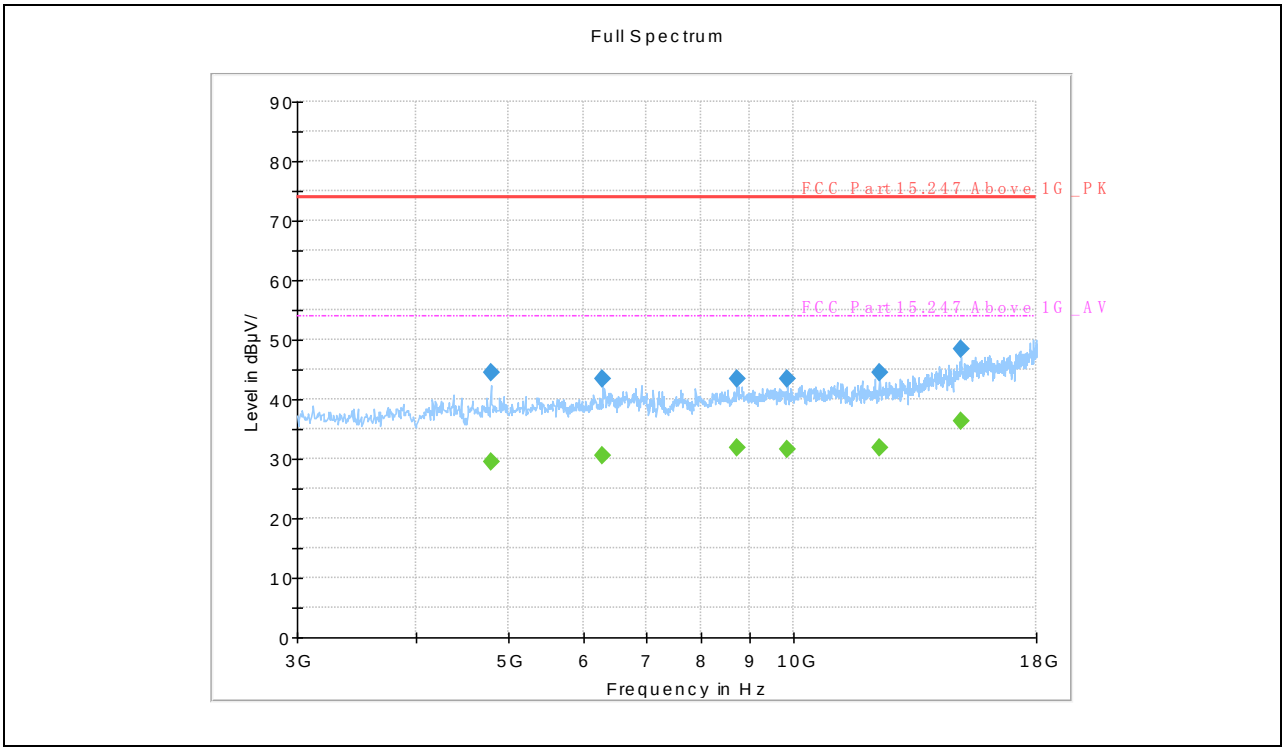
(8-DPSK _2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
34.957778	26.93	---	40.00	13.07	V	12.7
60.770556	17.42	---	40.00	22.58	V	14.4
142.358333	19.12	---	43.50	24.38	V	11.3
335.334444	28.18	---	46.00	17.82	V	17.5
626.873333	30.21	---	46.00	15.79	V	23.8
878.911667	34.01	---	46.00	11.99	V	27.6



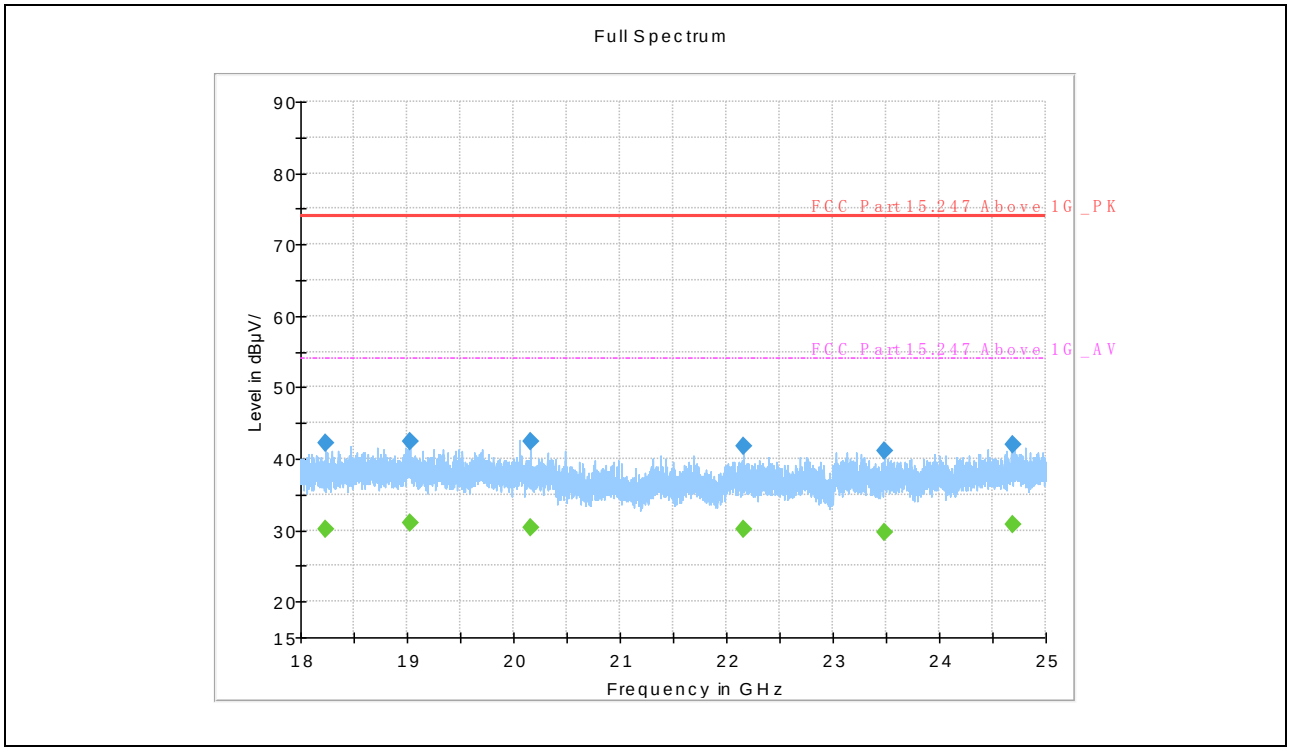
(8-DPSK _2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1540.000000	39.79	---	74.00	34.21	V	2.8
1540.000000	---	27.81	54.00	26.19	V	2.8
1830.000000	---	30.07	54.00	23.93	V	5.9
1830.000000	41.23	---	74.00	32.77	V	5.9
2150.000000	41.87	---	74.00	32.13	V	8.2
2150.000000	---	31.85	54.00	22.15	V	8.2
2380.000000	---	35.49	54.00	18.51	V	12.0
2380.000000	45.21	---	74.00	28.79	V	12.0
2685.000000	---	37.25	54.00	16.75	V	14.7
2685.000000	48.69	---	74.00	25.31	V	14.7
3000.000000	---	38.19	54.00	15.81	V	16.3
3000.000000	49.69	---	74.00	24.31	V	16.3



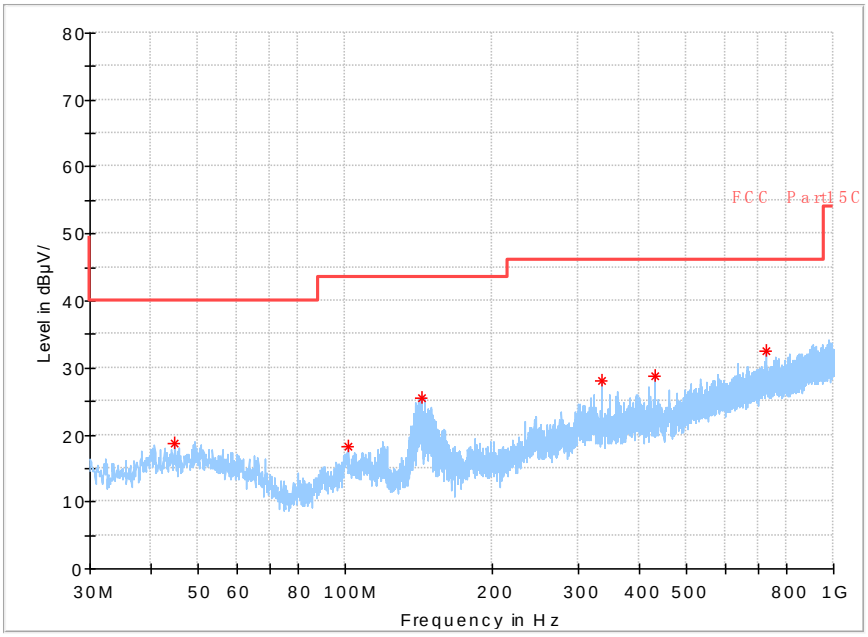
(8-DPSK _2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	---	29.54	54.00	24.46	V	-3.4
4800.000000	44.46	---	74.00	29.54	V	-3.4
6300.000000	---	30.45	54.00	23.55	V	-1.7
6300.000000	43.37	---	74.00	30.63	V	-1.7
8715.000000	43.36	---	74.00	30.64	V	1.3
8715.000000	---	31.92	54.00	22.08	V	1.3
9847.500000	---	31.58	54.00	22.42	V	1.8
9847.500000	43.54	---	74.00	30.46	V	1.8
12292.50000	---	31.93	54.00	22.07	V	4.0
12292.50000	44.52	---	74.00	29.48	V	4.0
14985.00000	48.53	---	74.00	25.47	V	10.3
14985.00000	---	36.23	54.00	17.77	V	10.3



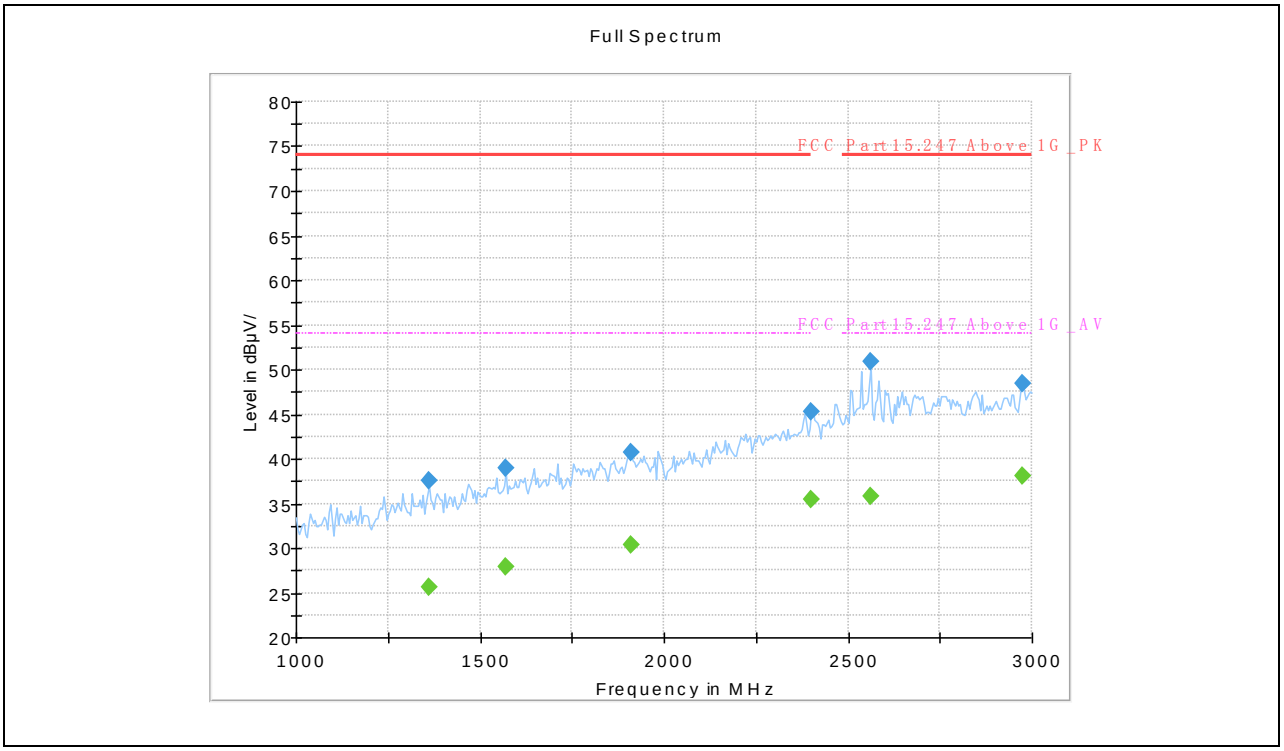
(8-DPSK _2402MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18234.500000	42.16	---	74.00	31.84	V	-5.5
18234.500000	---	30.22	54.00	23.78	V	-5.5
19032.500000	42.34	---	74.00	31.66	V	-5.4
19032.500000	---	31.11	54.00	22.89	V	-5.4
20158.333333	---	30.35	54.00	23.65	V	-5.0
20158.333333	42.50	---	74.00	31.50	V	-5.0
22168.111111	---	30.15	54.00	23.85	V	-5.1
22168.111111	41.81	---	74.00	32.19	V	-5.1
23490.722222	---	29.77	54.00	24.23	V	-4.9
23490.722222	41.06	---	74.00	32.94	V	-4.9
24698.222222	---	30.71	54.00	23.29	V	-4.8
24698.222222	41.94	---	74.00	32.06	V	-4.8



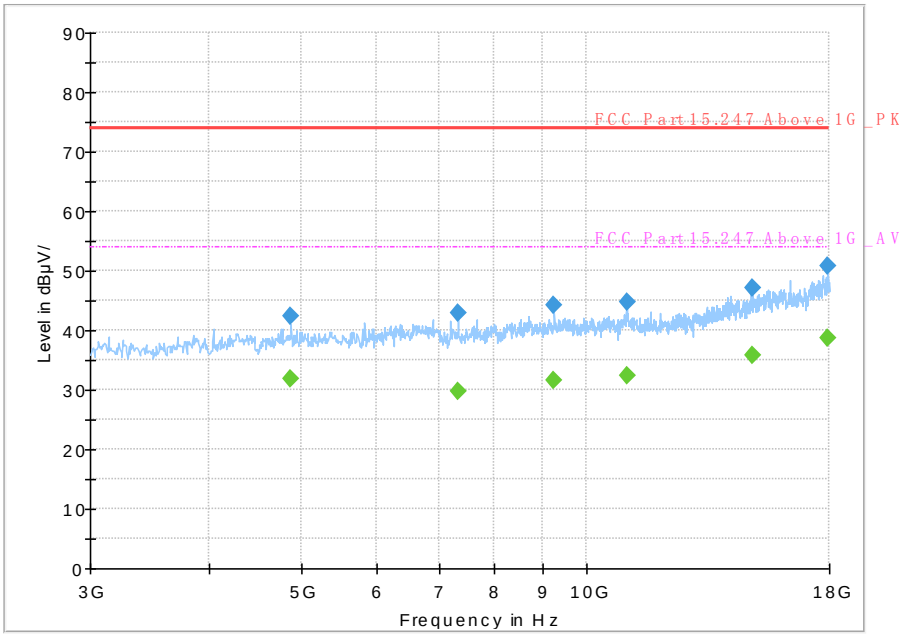
(8-DPSK _2441MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
44.819444	18.66	---	40.00	21.34	H	15.4
101.672222	18.17	---	43.50	25.33	H	14.8
143.058889	25.46	---	43.50	18.04	H	11.0
335.388333	27.97	---	46.00	18.03	H	17.5
431.310556	28.81	---	46.00	17.19	H	19.3
729.154444	32.51	---	46.00	13.49	H	25.3



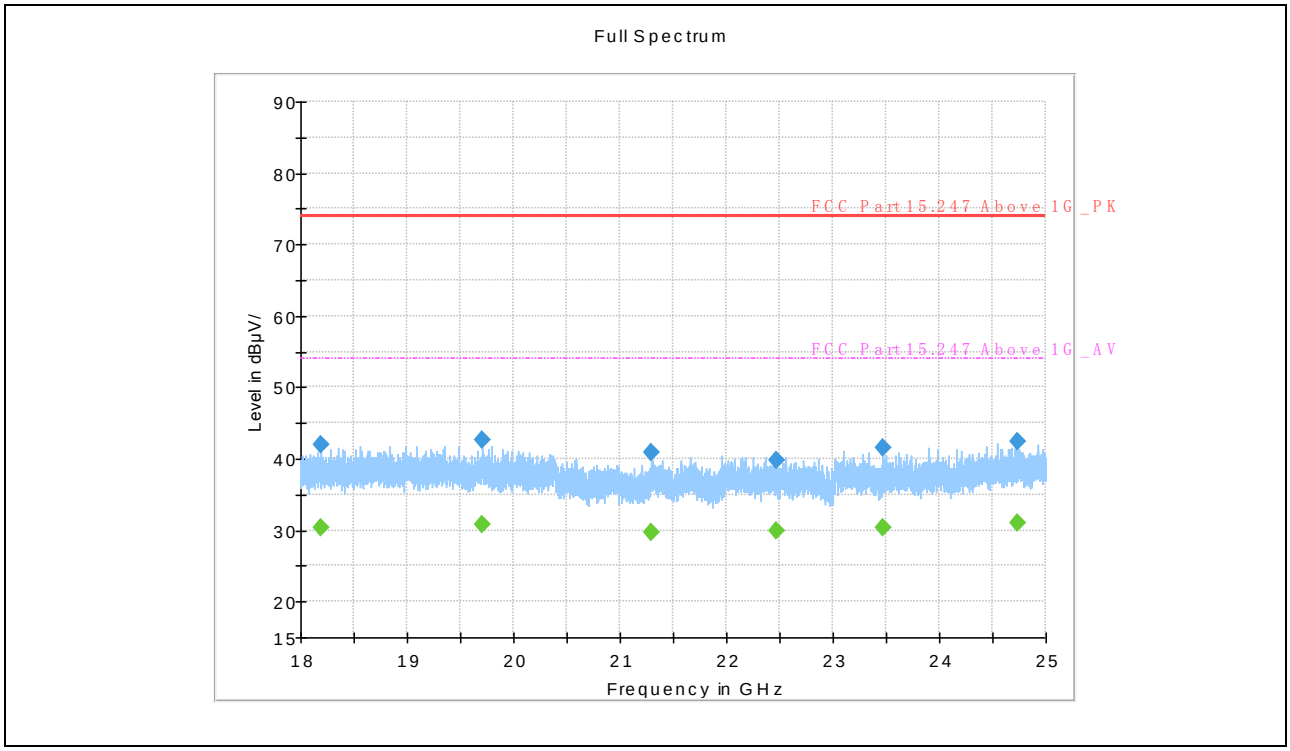
(8-DPSK _2441MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1360.000000	---	25.62	54.00	28.38	H	0.2
1360.000000	37.58	---	74.00	36.42	H	0.2
1570.000000	38.91	---	74.00	35.09	H	3.0
1570.000000	---	27.91	54.00	26.09	H	3.0
1910.000000	---	30.44	54.00	23.56	H	6.2
1910.000000	40.70	---	74.00	33.30	H	6.2
2400.000000	---	35.45	54.00	18.55	H	12.3
2400.000000	45.32	---	74.00	28.68	H	12.3
2560.000000	50.87	---	74.00	23.13	H	14.0
2560.000000	---	35.79	54.00	18.21	H	14.0
2975.000000	---	38.13	54.00	15.87	H	16.3
2975.000000	48.41	---	74.00	25.59	H	16.3



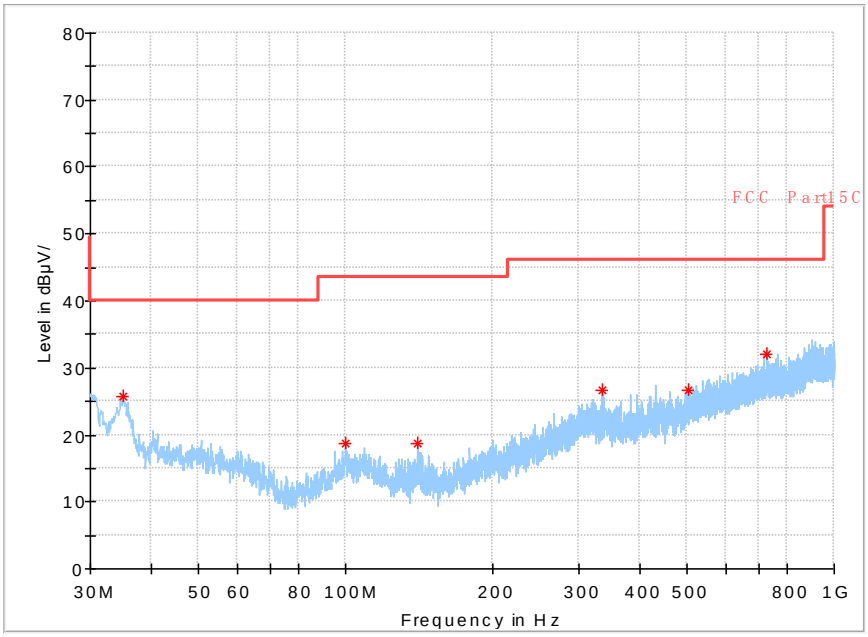
(8-DPSK _2441MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	---	31.96	54.00	22.04	H	-2.8
4882.500000	42.49	---	74.00	31.51	H	-2.8
7320.000000	---	29.70	54.00	24.30	H	-0.2
7320.000000	42.84	---	74.00	31.16	H	-0.2
9240.000000	44.14	---	74.00	29.86	H	2.1
9240.000000	---	31.51	54.00	22.49	H	2.1
11010.00000	44.61	---	74.00	29.39	H	3.4
11010.00000	---	32.27	54.00	21.73	H	3.4
14955.00000	47.04	---	74.00	26.96	H	9.7
14955.00000	---	35.68	54.00	18.32	H	9.7
17962.50000	50.73	---	74.00	23.27	H	14.7
17962.50000	---	38.77	54.00	15.23	H	14.7



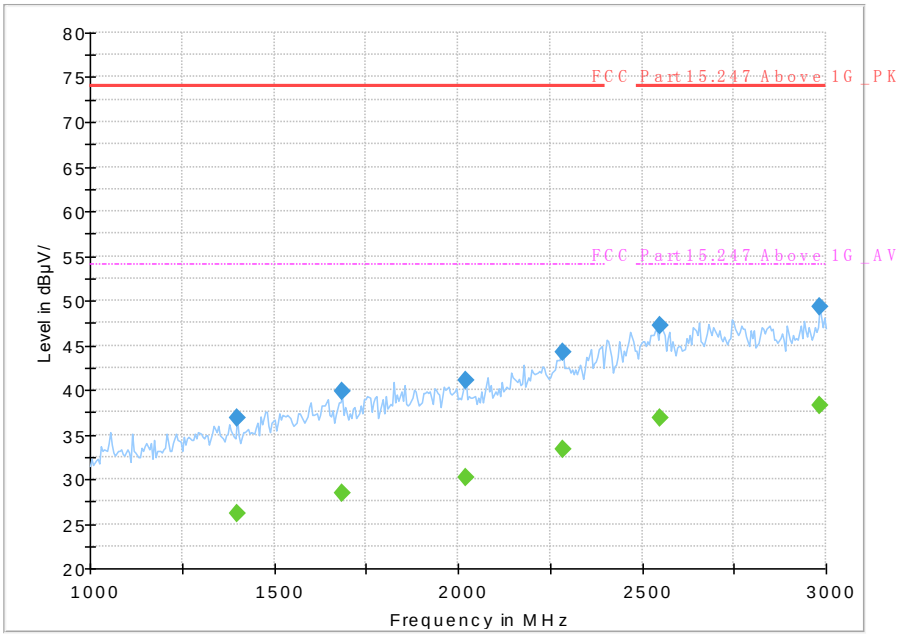
(8-DPSK _2441MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18194.444444	42.01	---	74.00	31.99	H	-5.5
18194.444444	---	30.37	54.00	23.63	H	-5.5
19703.333333	---	30.73	54.00	23.27	H	-5.3
19703.333333	42.57	---	74.00	31.43	H	-5.3
21291.166667	40.77	---	74.00	33.23	H	-4.9
21291.166667	---	29.59	54.00	24.41	H	-4.9
22467.166667	39.86	---	74.00	34.14	H	-4.9
22467.166667	---	29.87	54.00	24.13	H	-4.9
23470.111111	---	30.31	54.00	23.69	H	-4.9
23470.111111	41.44	---	74.00	32.56	H	-4.9
24732.055556	42.45	---	74.00	31.55	H	-4.8
24732.055556	---	30.93	54.00	23.07	H	-4.8



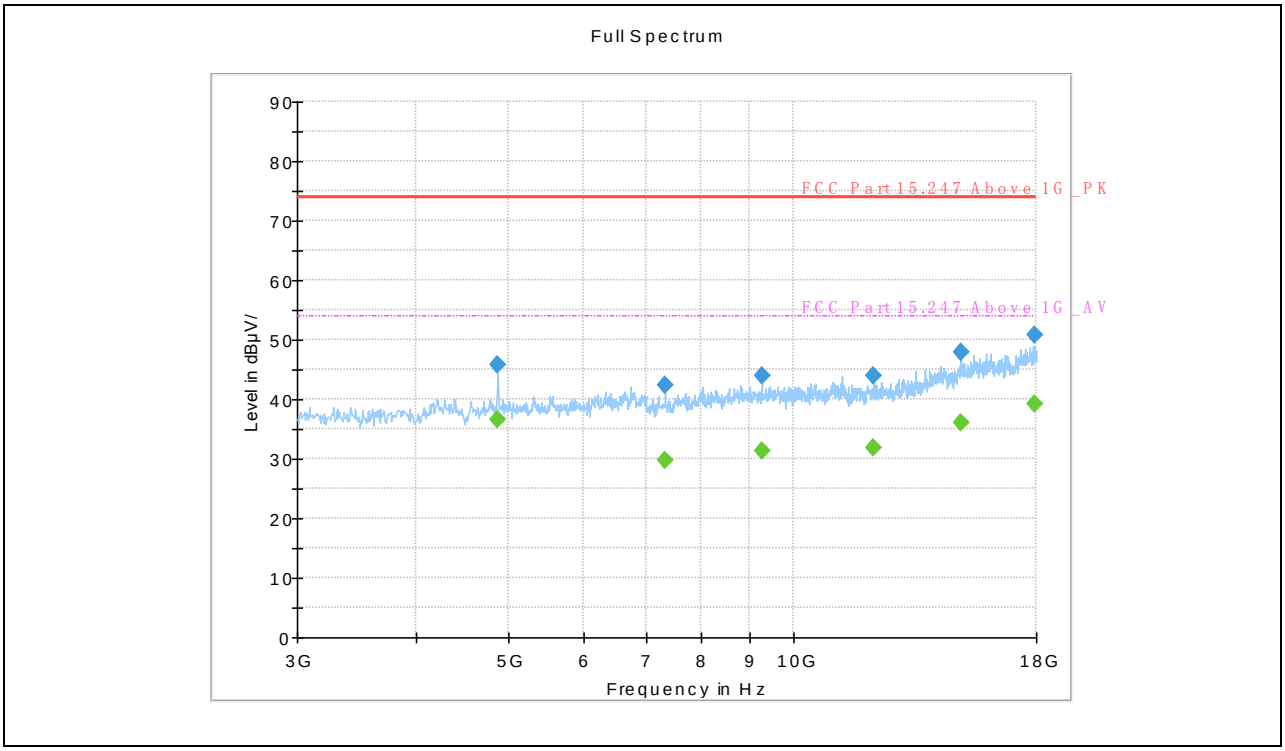
(8-DPSK _2441MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
34.957778	25.65	---	40.00	14.35	V	12.7
99.947778	18.63	---	43.50	24.87	V	15.2
140.148889	18.66	---	43.50	24.84	V	12.0
335.496111	26.63	---	46.00	19.37	V	17.5
503.683333	26.63	---	46.00	19.37	V	22.0
730.555556	32.08	---	46.00	13.92	V	25.4



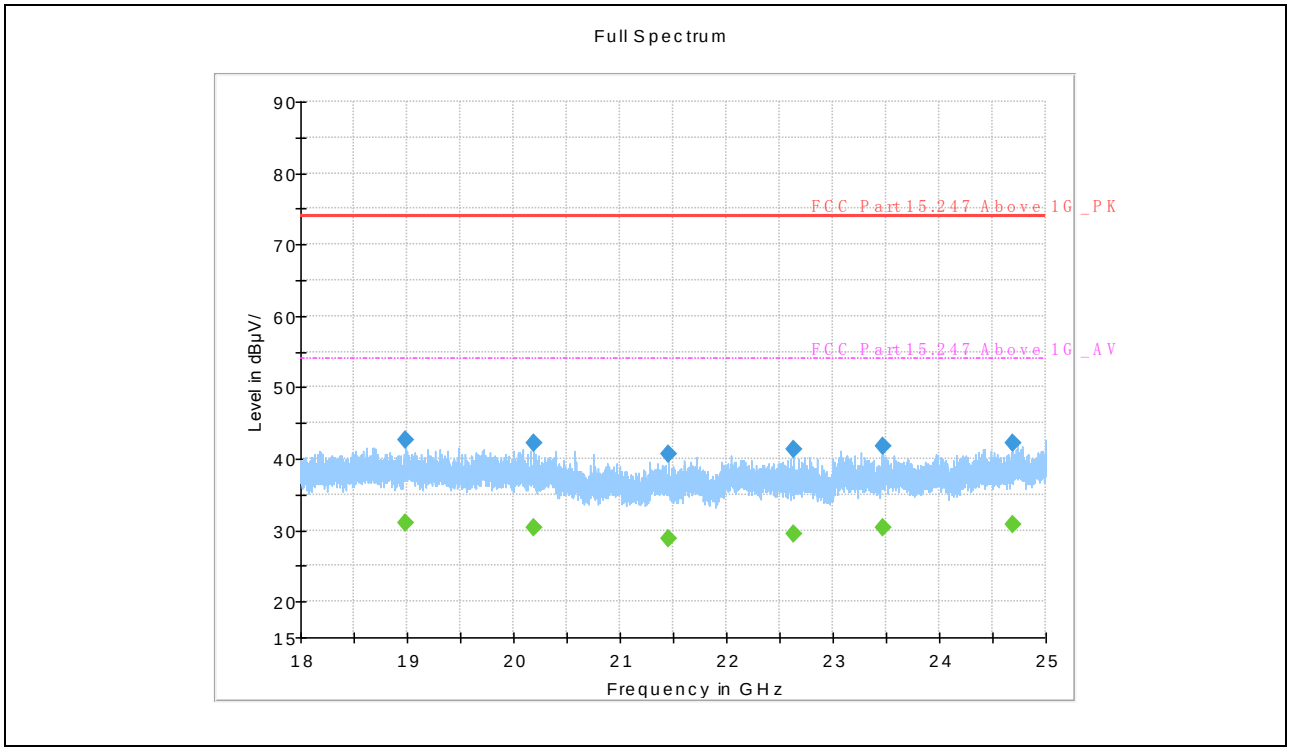
(8-DPSK _2441MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1400.000000	---	26.10	54.00	27.90	V	0.8
1400.000000	36.80	---	74.00	37.20	V	0.8
1685.000000	39.84	---	74.00	34.16	V	3.6
1685.000000	---	28.46	54.00	25.54	V	3.6
2020.000000	41.08	---	74.00	32.92	V	6.5
2020.000000	---	30.12	54.00	23.88	V	6.5
2285.000000	---	33.38	54.00	20.62	V	10.2
2285.000000	44.27	---	74.00	29.73	V	10.2
2550.000000	---	36.86	54.00	17.14	V	14.4
2550.000000	47.13	---	74.00	26.87	V	14.4
2985.000000	---	38.17	54.00	15.83	V	16.4
2985.000000	49.38	---	74.00	24.62	V	16.4



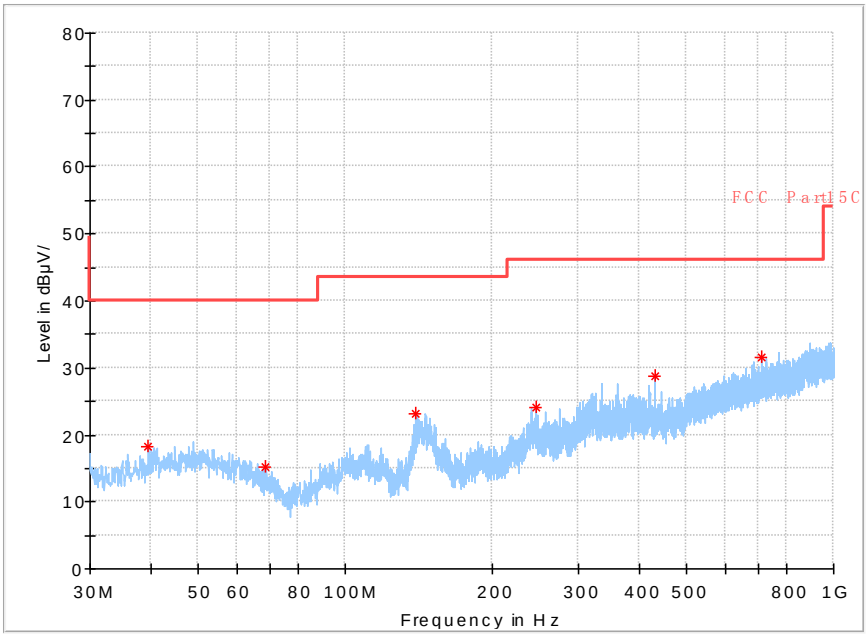
(8-DPSK _2441MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
4882.500000	45.89	---	74.00	28.11	V	-2.8
4882.500000	---	36.56	54.00	17.44	V	-2.8
7320.000000	42.27	---	74.00	31.73	V	-0.2
7320.000000	---	29.75	54.00	24.25	V	-0.2
9247.500000	---	31.29	54.00	22.71	V	2.3
9247.500000	43.94	---	74.00	30.06	V	2.3
12135.00000	---	31.75	54.00	22.25	V	3.9
12135.00000	43.99	---	74.00	30.01	V	3.9
14977.50000	47.81	---	74.00	26.19	V	10.1
14977.50000	---	36.12	54.00	17.88	V	10.1
17947.50000	50.89	---	74.00	23.11	V	14.5
17947.50000	---	39.08	54.00	14.92	V	14.5



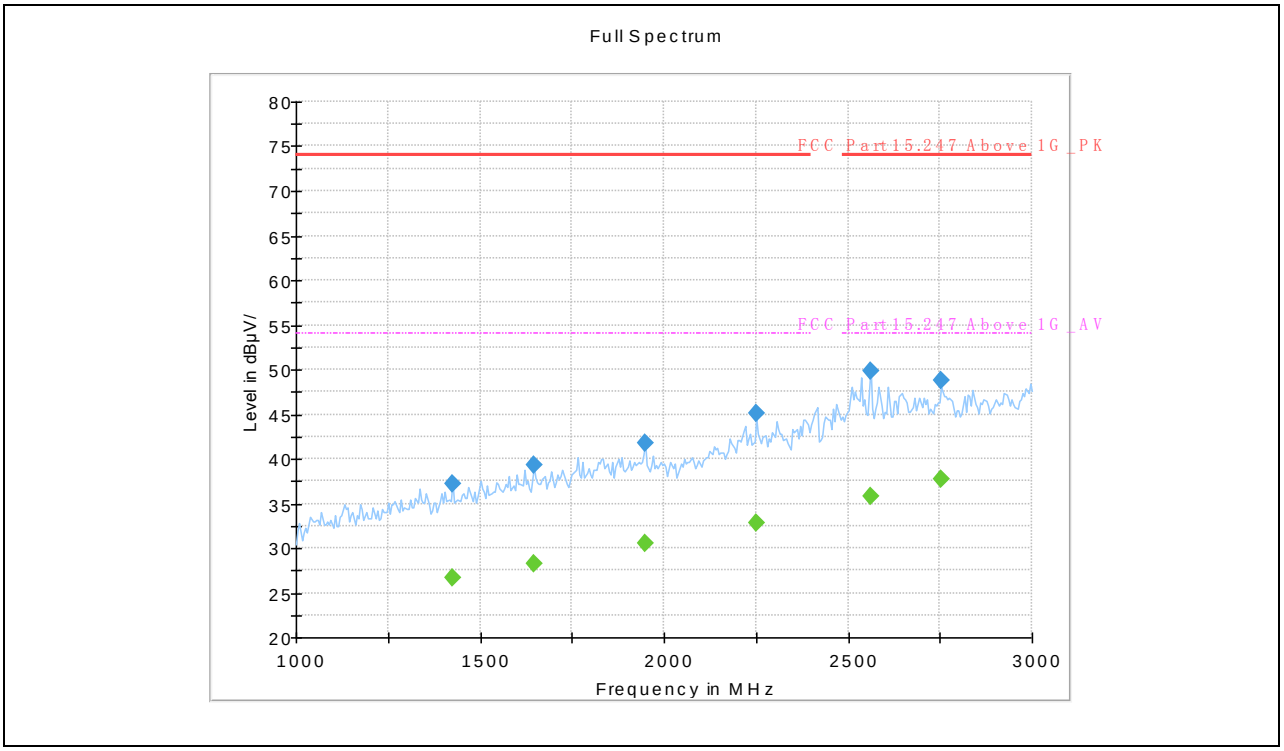
(8-DPSK _2441MHz, Antenna Vertical, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18985.444444	---	30.95	54.00	23.05	V	-5.3
18985.444444	42.54	---	74.00	31.46	V	-5.3
20190.611111	42.30	---	74.00	31.70	V	-5.0
20190.611111	---	30.43	54.00	23.57	V	-5.0
21451.388889	---	28.86	54.00	25.14	V	-5.0
21451.388889	40.58	---	74.00	33.42	V	-5.0
22636.333333	41.25	---	74.00	32.75	V	-4.9
22636.333333	---	29.57	54.00	24.43	V	-4.9
23471.277778	---	30.26	54.00	23.74	V	-4.9
23471.277778	41.76	---	74.00	32.24	V	-4.9
24690.444444	---	30.82	54.00	23.18	V	-4.8
24690.444444	42.27	---	74.00	31.73	V	-4.8



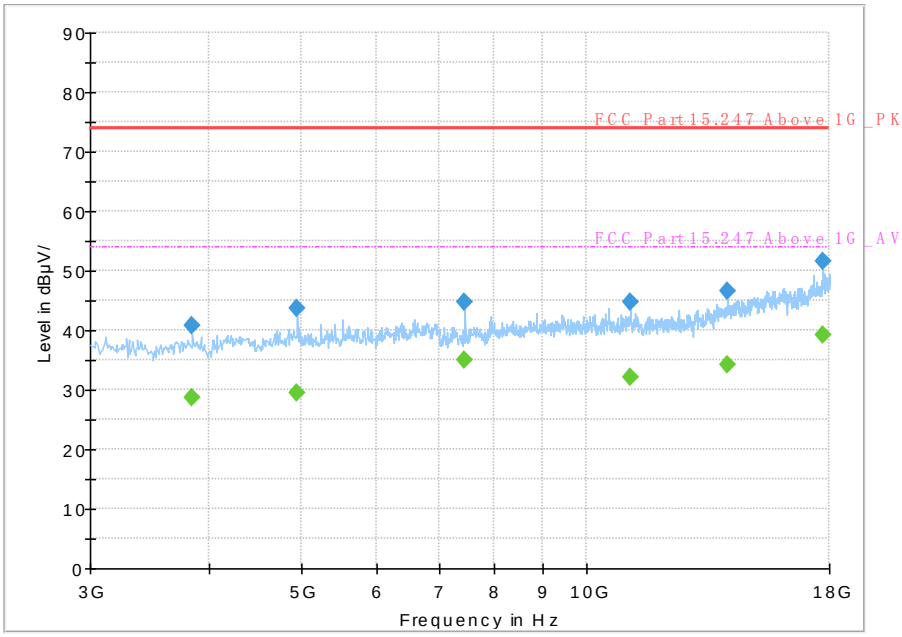
(8-DPSK _2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.538333	18.22	---	40.00	21.78	H	15.0
68.800000	15.13	---	40.00	24.87	H	12.3
139.663889	23.10	---	43.50	20.40	H	12.0
246.795000	24.19	---	46.00	21.81	H	14.9
432.065000	28.80	---	46.00	17.20	H	19.4
713.257222	31.52	---	46.00	14.48	H	25.0



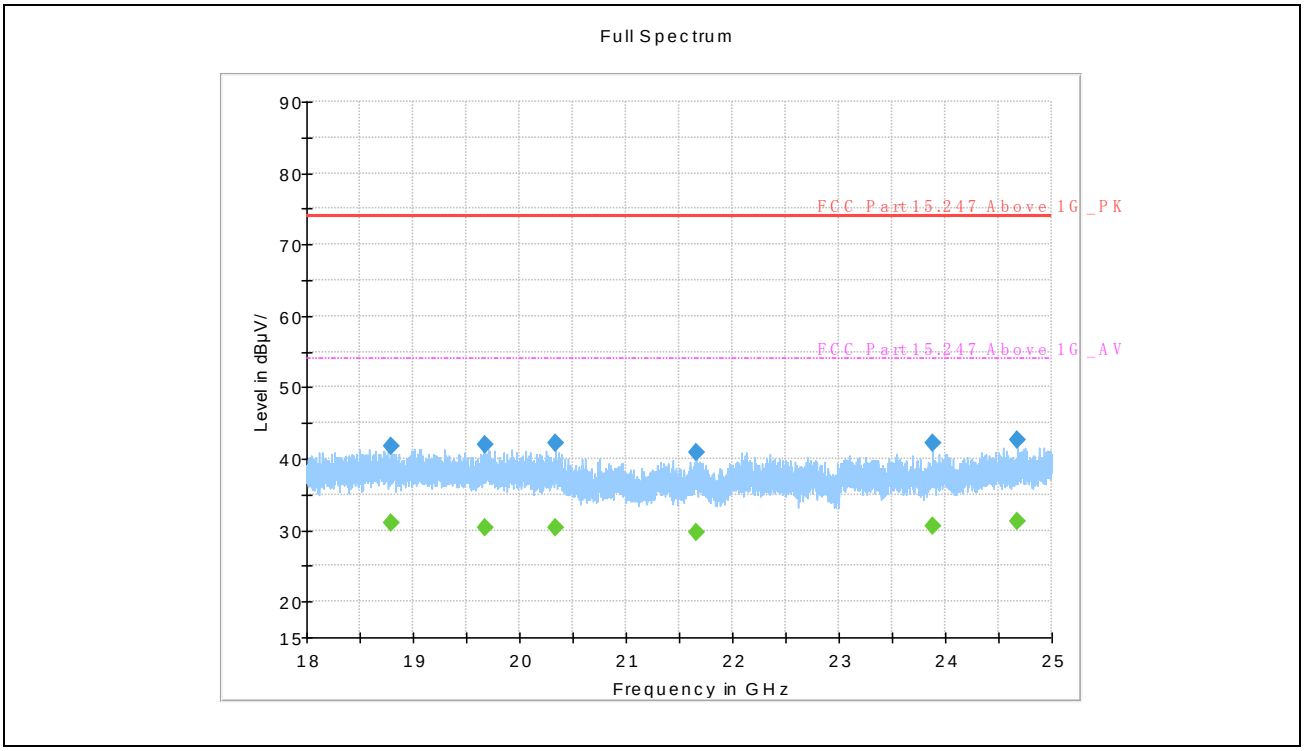
(8-DPSK _2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1425.000000	37.15	---	74.00	36.85	H	1.3
1425.000000	---	26.59	54.00	27.41	H	1.3
1645.000000	---	28.32	54.00	25.68	H	3.4
1645.000000	39.34	---	74.00	34.66	H	3.4
1950.000000	41.70	---	74.00	32.30	H	6.6
1950.000000	---	30.53	54.00	23.47	H	6.6
2250.000000	45.17	---	74.00	28.83	H	9.8
2250.000000	---	32.89	54.00	21.11	H	9.8
2560.000000	---	35.78	54.00	18.22	H	14.0
2560.000000	49.90	---	74.00	24.10	H	14.0
2755.000000	48.73	---	74.00	25.27	H	15.1
2755.000000	---	37.69	54.00	16.31	H	15.1



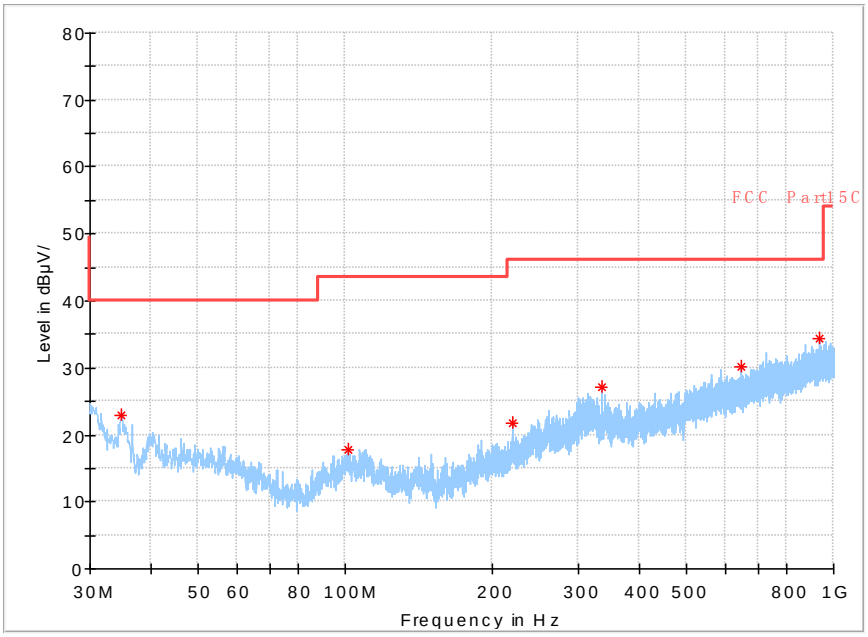
(8-DPSK _2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
3840.000000	40.73	---	74.00	33.27	H	-4.8
3840.000000	---	28.76	54.00	25.24	H	-4.8
4957.500000	---	29.47	54.00	24.53	H	-3.0
4957.500000	43.72	---	74.00	30.28	H	-3.0
7440.000000	44.78	---	74.00	29.22	H	-0.3
7440.000000	---	35.09	54.00	18.91	H	-0.3
11115.000000	44.84	---	74.00	29.16	H	3.2
11115.000000	---	32.17	54.00	21.83	H	3.2
14077.500000	---	34.16	54.00	19.84	H	8.3
14077.500000	46.53	---	74.00	27.48	H	8.3
17722.500000	51.62	---	74.00	22.38	H	14.7
17722.500000	---	39.22	54.00	14.78	H	14.7



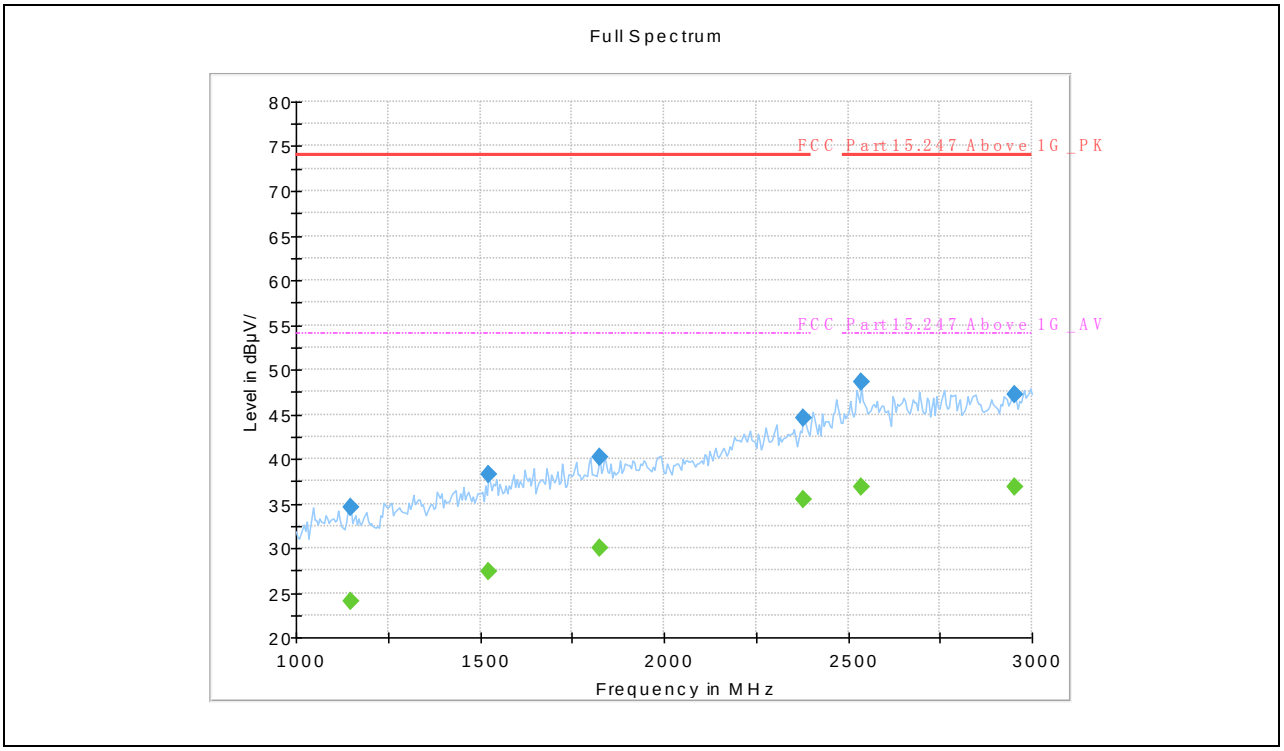
(8-DPSK _2480MHz, Antenna Horizontal, 18GHz to 25GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
18794.888889	---	30.96	54.00	23.04	H	-5.4
18794.888889	41.75	---	74.00	32.25	H	-5.4
19674.944444	---	30.45	54.00	23.55	H	-5.3
19674.944444	41.87	---	74.00	32.13	H	-5.3
20340.333333	---	30.28	54.00	23.72	H	-5.1
20340.333333	42.11	---	74.00	31.89	H	-5.1
21665.666667	---	29.74	54.00	24.26	H	-5.1
21665.666667	40.98	---	74.00	33.02	H	-5.1
23888.166667	---	30.55	54.00	23.45	H	-4.7
23888.166667	42.09	---	74.00	31.91	H	-4.7
24675.277778	---	31.14	54.00	22.86	H	-4.7
24675.277778	42.57	---	74.00	31.43	H	-4.7



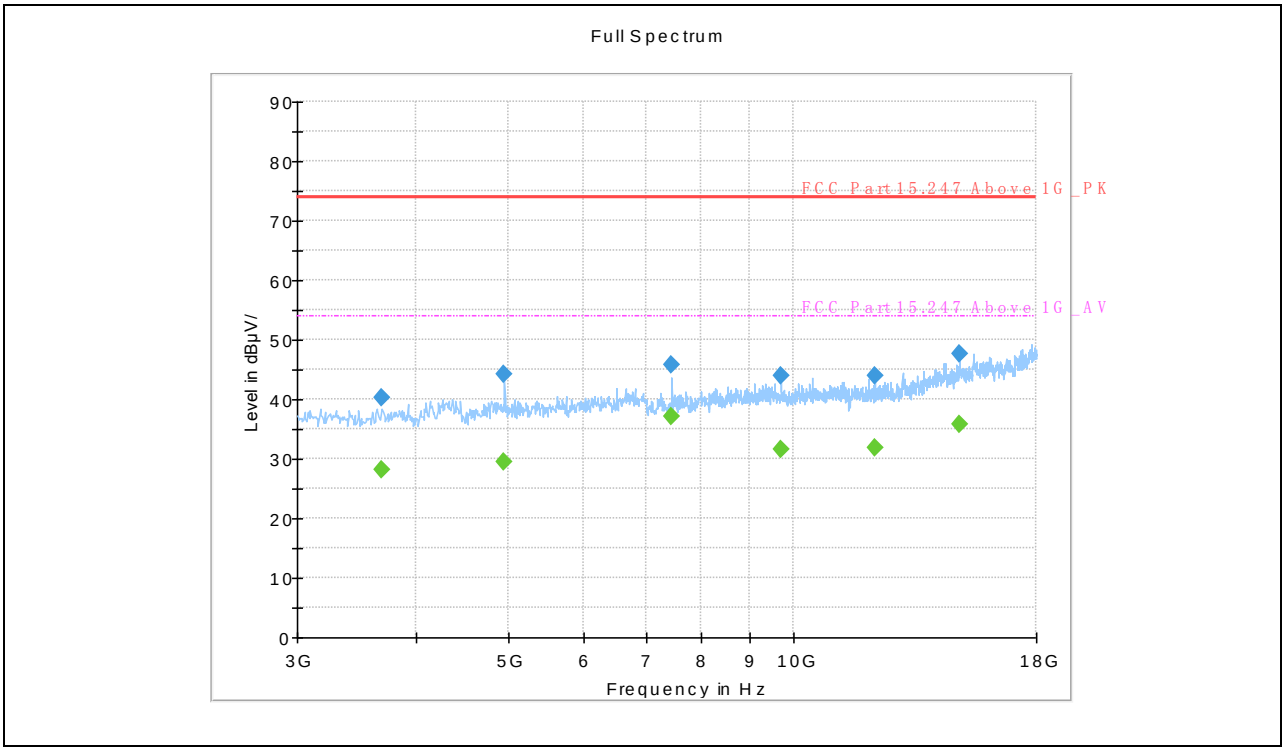
(8-DPSK _2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
34.796111	22.93	---	40.00	17.07	V	12.7
101.187222	17.72	---	43.50	25.78	V	15.0
220.389444	21.65	---	46.00	24.35	V	14.8
335.550000	27.07	---	46.00	18.93	V	17.5
644.926111	30.20	---	46.00	15.80	V	24.4
934.363333	34.35	---	46.00	11.65	V	28.2



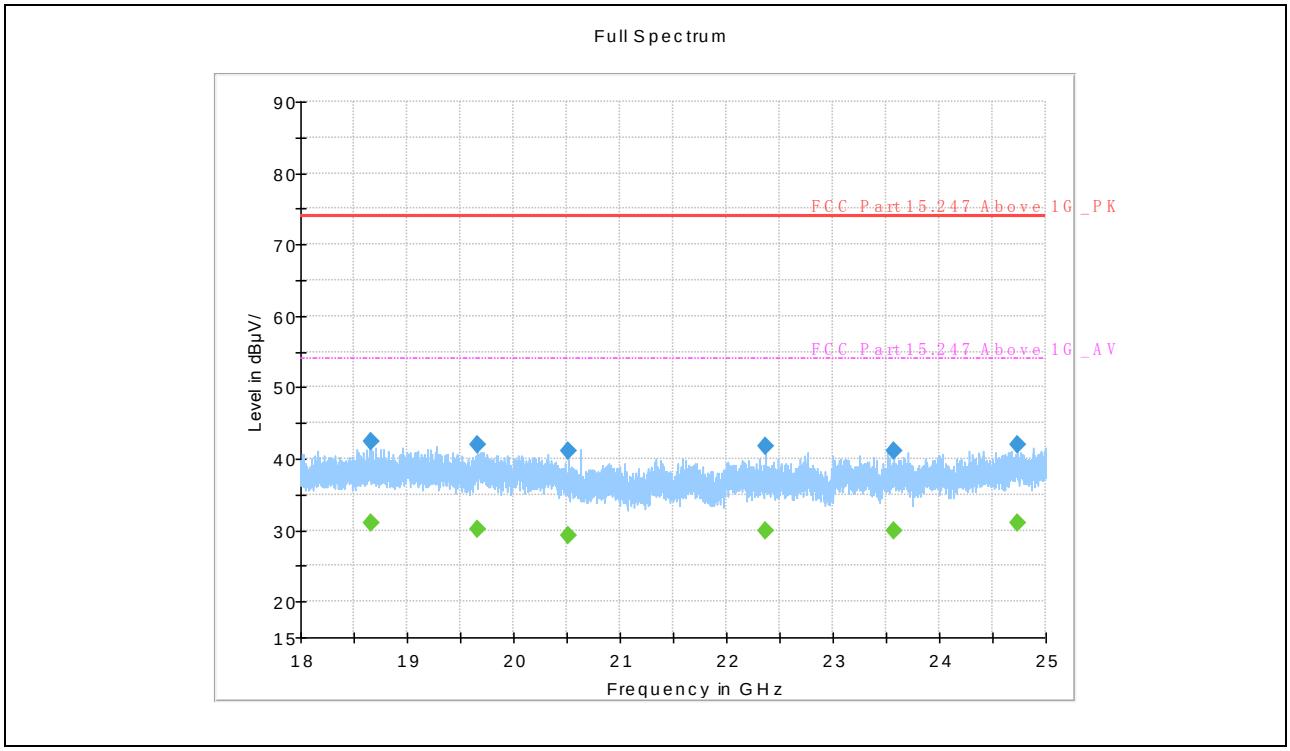
(8-DPSK _2480MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1150.000000	34.58	---	74.00	39.42	V	-2.0
1150.000000	---	24.08	54.00	29.92	V	-2.0
1525.000000	38.19	---	74.00	35.81	V	2.4
1525.000000	---	27.42	54.00	26.58	V	2.4
1825.000000	40.24	---	74.00	33.76	V	5.7
1825.000000	---	30.00	54.00	24.00	V	5.7
2380.000000	44.65	---	74.00	29.35	V	12.0
2380.000000	---	35.46	54.00	18.54	V	12.0
2535.000000	48.53	---	74.00	25.47	V	14.2
2535.000000	---	36.90	54.00	17.10	V	14.2
2955.000000	47.27	---	74.00	26.73	V	15.9
2955.000000	---	36.80	54.00	17.20	V	15.9



(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)
3682.500000	40.14	---	74.00	33.86	V	-5.3
3682.500000	---	28.17	54.00	25.83	V	-5.3
4957.500000	---	29.49	54.00	24.51	V	-3.0
4957.500000	44.20	---	74.00	29.80	V	-3.0
7440.000000	45.90	---	74.00	29.10	V	-0.3
7440.000000	---	37.18	54.00	16.82	V	-0.3
9697.500000	---	31.56	54.00	22.44	V	1.8
9697.500000	43.86	---	74.00	30.14	V	1.8
12187.50000	44.06	---	74.00	29.94	V	4.0
12187.50000	---	31.86	54.00	22.14	V	4.0
14955.00000	47.76	---	74.00	26.24	V	9.7
14955.00000	---	35.69	54.00	18.31	V	9.7



(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)
18665.388889	42.47	---	74.00	31.53	V	-5.3
18665.388889	---	31.05	54.00	22.95	V	-5.3
19664.444444	---	30.20	54.00	23.80	V	-5.3
19664.444444	41.98	---	74.00	32.02	V	-5.3
20511.055556	---	29.21	54.00	24.79	V	-5.1
20511.055556	41.19	---	74.00	32.81	V	-5.1
22366.833333	---	29.97	54.00	24.03	V	-4.9
22366.833333	41.76	---	74.00	32.24	V	-4.9
23574.722222	41.02	---	74.00	32.98	V	-5.0
23574.722222	---	29.91	54.00	24.09	V	-5.0
24736.722222	---	30.93	54.00	23.07	V	-4.8
24736.722222	41.92	---	74.00	32.08	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	±2.22dB
Power spectral density (PSD)	±2.22dB
Bandwidth	±5%
Conducted Spurious Emission	±2.77 dB
Restricted Frequency Bands	±5%
Radiated Emission	±3.1dB
Conducted Emission	±1.8dB

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

4.3Auxiliary 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*6 m	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-18-26-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	BJF2400/2485-60	CDSI	N/A	N/A
15	High Pass Filter	EMC12	HFP-3.0/18G-60	CDSI	N/A	N/A

END OF REPORT