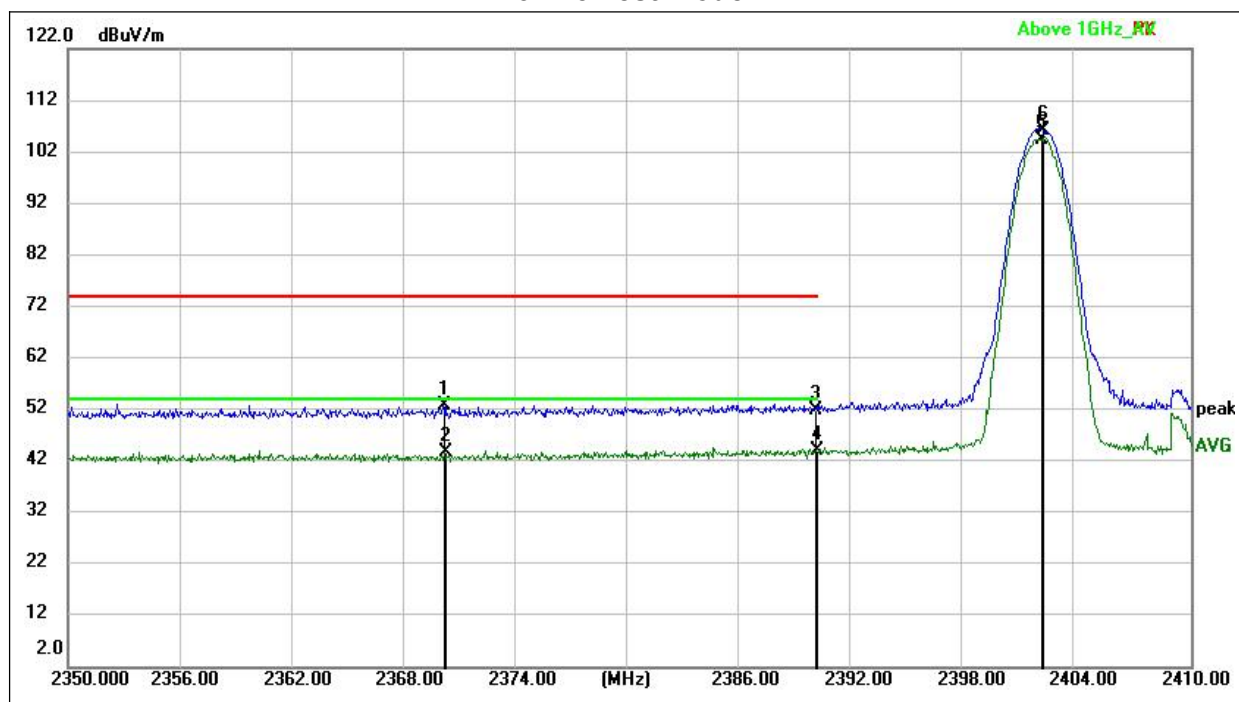
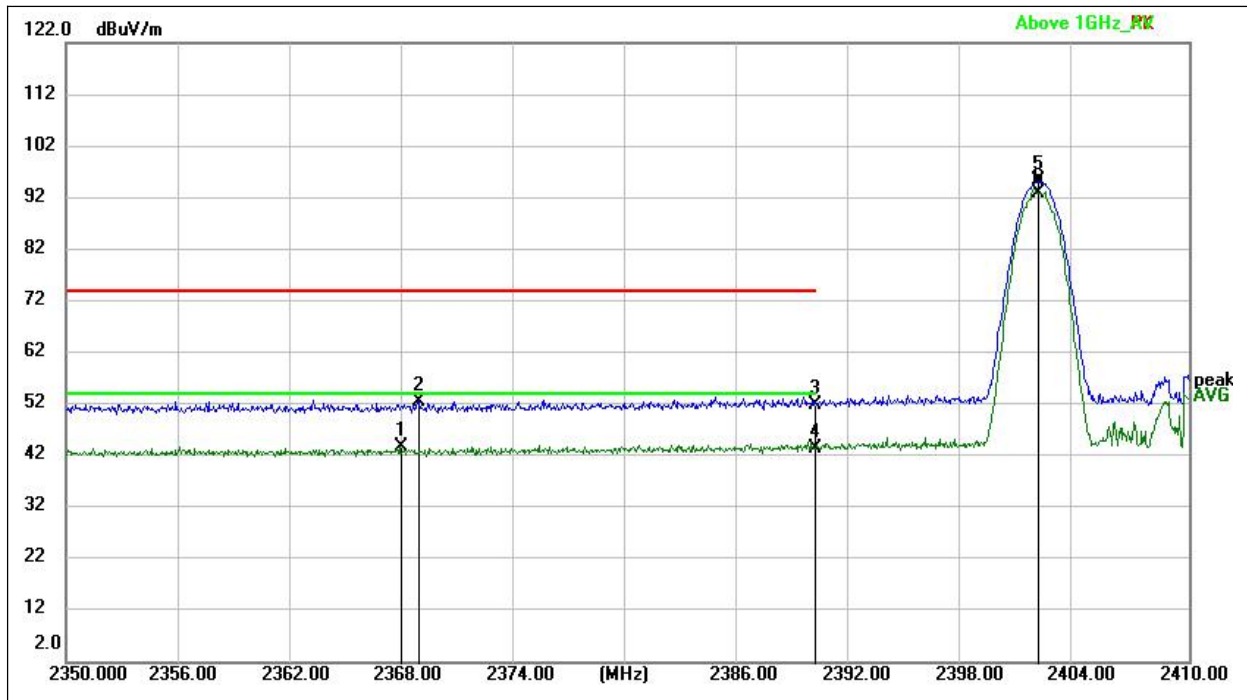


3DH5 Test mode



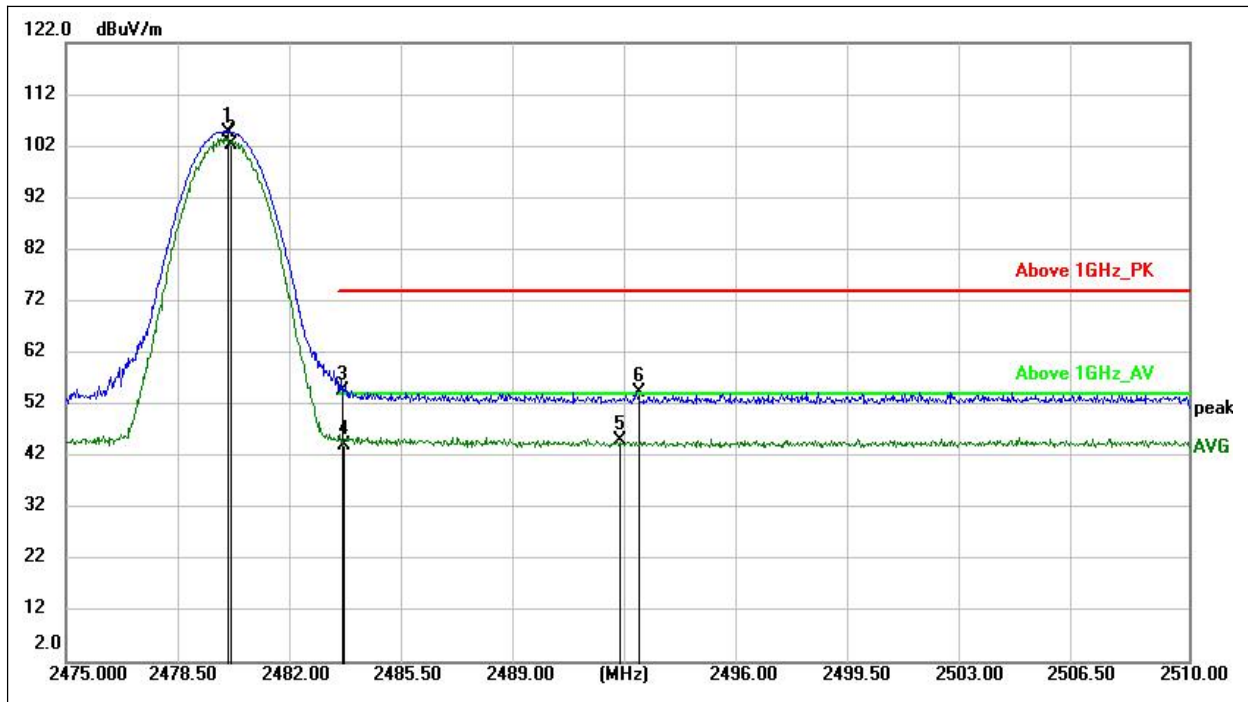
(3DH5_2402MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2370.100	52.77	---	74.00	-21.23	H	40.15	PASS
2370.169	---	43.78	54.00	-10.22	H	40.15	PASS
2389.954	51.89	---	74.00	-22.11	H	40.96	PASS
2389.963	---	43.93	54.00	-10.07	H	40.96	PASS
2401.996	---	104.22	---	---	H	41.61	PASS
2402.113	106.26	---	---	---	H	41.60	PASS



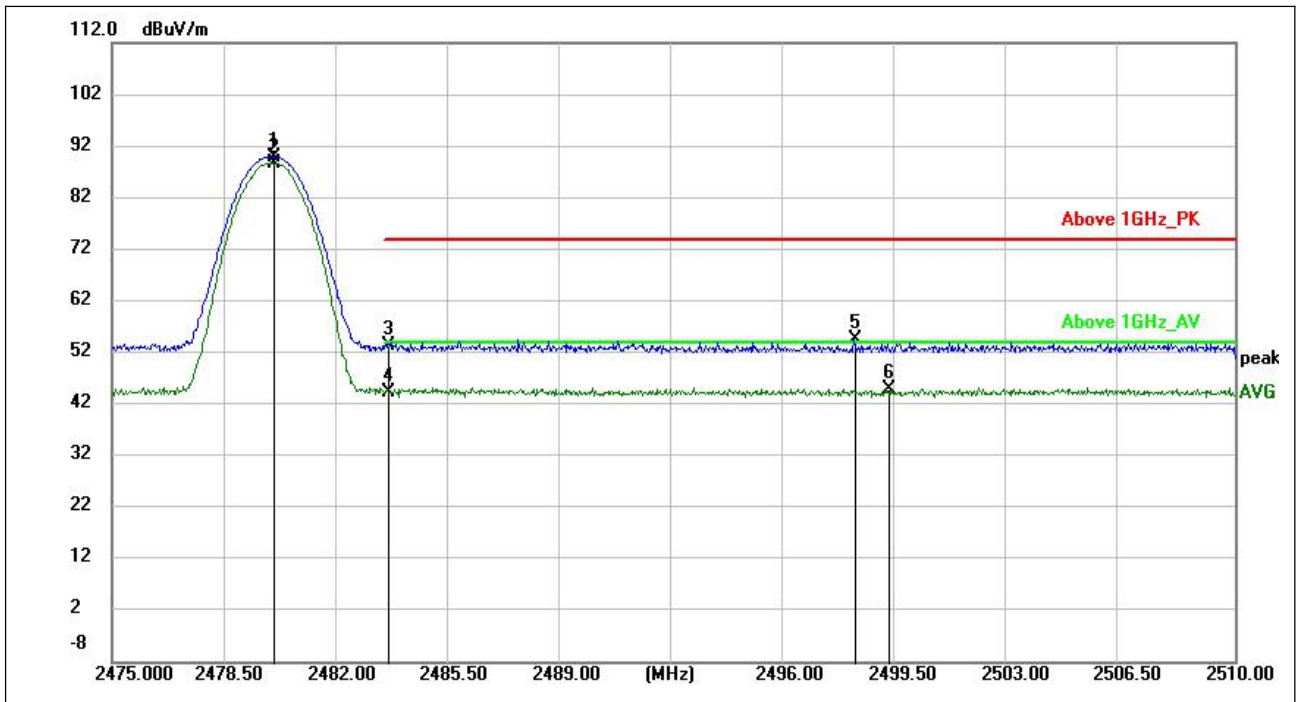
3DH5_2402MHz, Antenna Vertical)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2367.904	---	43.64	54.00	-10.36	V	40.13	PASS
2368.888	52.52	---	74.00	-21.48	V	40.13	PASS
2389.999	51.93	---	74.00	-22.07	V	40.96	PASS
2389.999	---	43.41	54.00	-10.59	V	40.96	PASS
2401.960	95.17	---	---	---	V	41.61	PASS
2401.960	---	92.98	---	---	V	41.61	PASS



(3DH5_2480MHz, Antenna Horizontal)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2480.024	104.74	---	---	---	H	41.77	PASS
2480.145	---	102.38	---	---	H	41.76	PASS
2483.579	54.64	---	74.00	-19.36	H	41.77	PASS
2483.647	---	44.17	54.00	-9.83	H	41.76	PASS
2492.238	---	44.86	54.00	-9.14	H	41.50	PASS
2492.817	54.27	---	74.00	-19.73	H	41.48	PASS



(3DH5_2480MHz, Antenna Vertical)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
2480.040	89.95	---	---	---	V	41.77	PASS
2480.064	---	88.56	---	---	V	41.77	PASS
2483.582	53.48	---	74.00	-20.52	V	41.77	PASS
2483.582	---	44.25	54.00	-9.75	V	41.77	PASS
2498.139	54.59	---	74.00	-19.41	V	41.47	PASS
2499.194	---	44.99	54.00	-9.01	V	41.47	PASS

2.9. Conducted Emission

2.9.1. Requirement

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

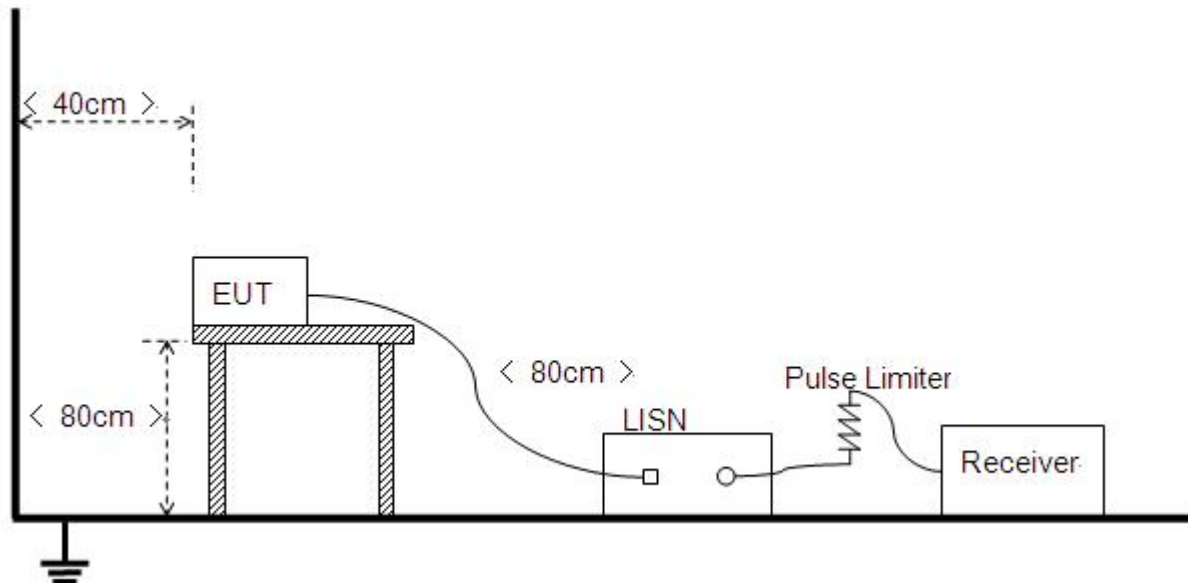
Frequency (MHz)	range	Conducted Limit (dB μ V)	
		Quai-peak	Average
0.15 - 0.50		66 to 56	56 to 46
0.50 - 5		56	46
5- 30		60	50

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.

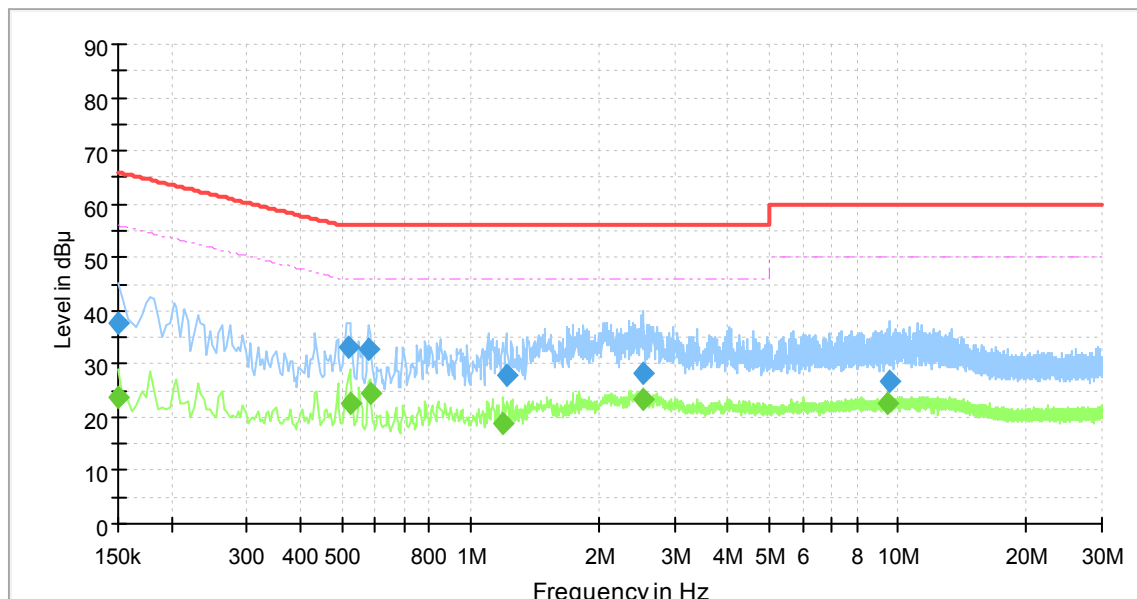
A. Test setup:

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

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

B. Test Plots:

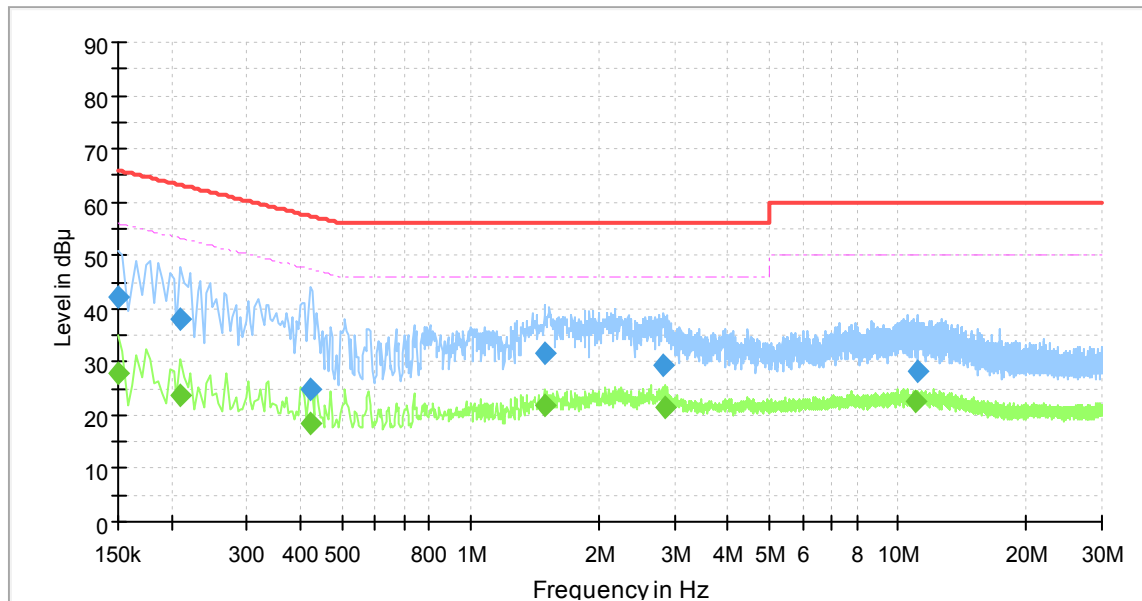
Full Spectrum



(Plot A: L Phase)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Verdict
0.150000	---	23.63	56.00	32.37	L	10.2	PASS
0.150000	37.68	---	66.00	28.32	L	10.2	PASS
0.518000	33.29	---	56.00	22.71	L	10.2	PASS
0.522000	---	22.45	46.00	23.55	L	10.2	PASS
0.578000	32.73	---	56.00	23.27	L	10.2	PASS
0.582000	---	24.51	46.00	21.49	L	10.2	PASS
1.190000	---	18.88	46.00	27.12	L	10.3	PASS
1.214000	27.76	---	56.00	28.24	L	10.3	PASS
2.538000	28.29	---	56.00	27.71	L	10.3	PASS
2.542000	---	23.39	46.00	22.61	L	10.3	PASS
9.494000	---	22.41	50.00	27.59	L	10.6	PASS
9.558000	26.75	---	60.00	33.25	L	10.6	PASS

Full Spectrum



(Plot A: N Phase)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	Verdict
0.150000	---	28.00	56.00	28.00	N	10.2	PASS
0.150000	42.02	---	66.00	23.98	N	10.2	PASS
0.210000	---	23.83	53.21	29.37	N	10.2	PASS
0.210000	38.07	---	63.21	25.14	N	10.2	PASS
0.422000	---	18.47	47.41	28.94	N	10.2	PASS
0.422000	24.99	---	57.41	32.41	N	10.2	PASS
1.486000	---	21.97	46.00	24.03	N	10.3	PASS
1.490000	31.73	---	56.00	24.27	N	10.3	PASS
2.814000	29.39	---	56.00	26.61	N	10.3	PASS
2.850000	---	21.37	46.00	24.63	N	10.3	PASS
10.946000	---	22.77	50.00	27.23	N	10.6	PASS
11.066000	28.36	---	60.00	31.64	N	10.6	PASS

2.10. Radiated Emission

2.10.1. Requirement

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

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

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

Note:

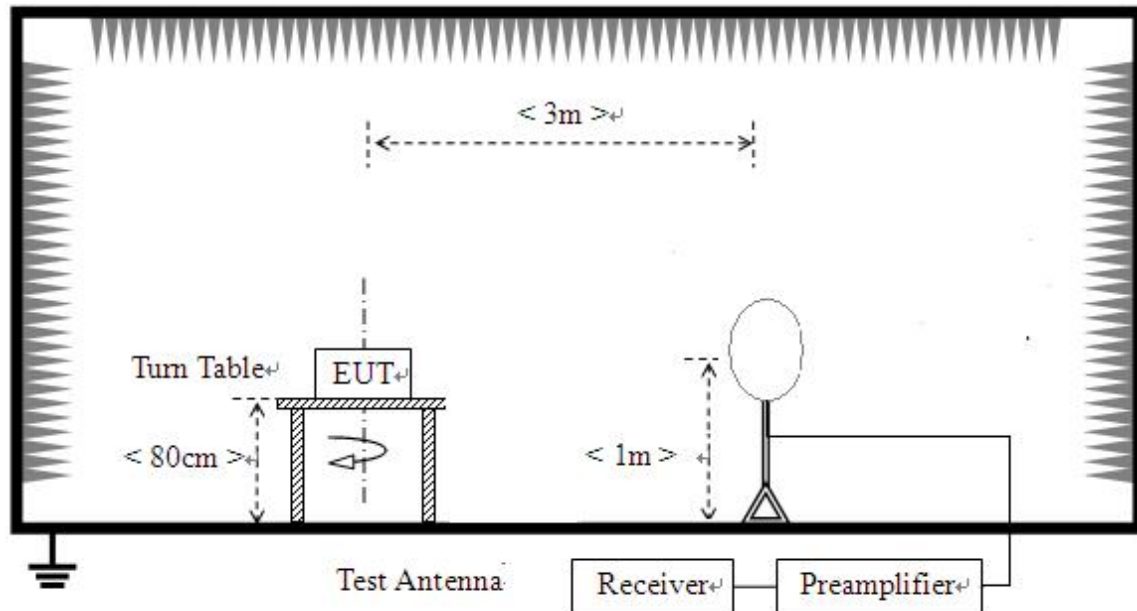
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength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

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

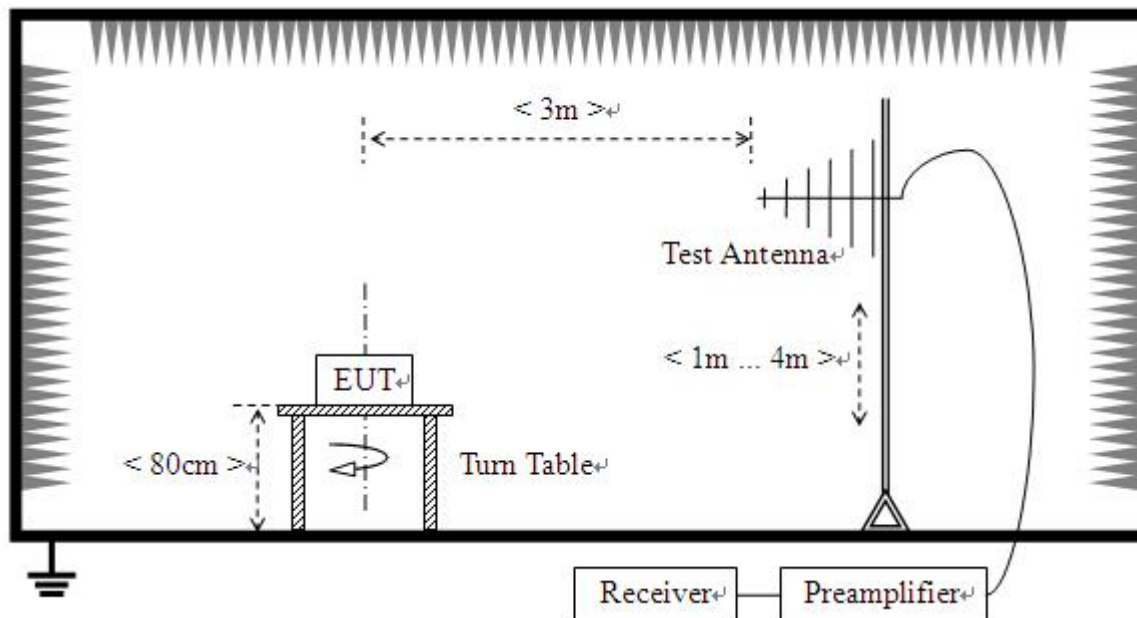
2.10.2. Test Description

A. Test Setup:

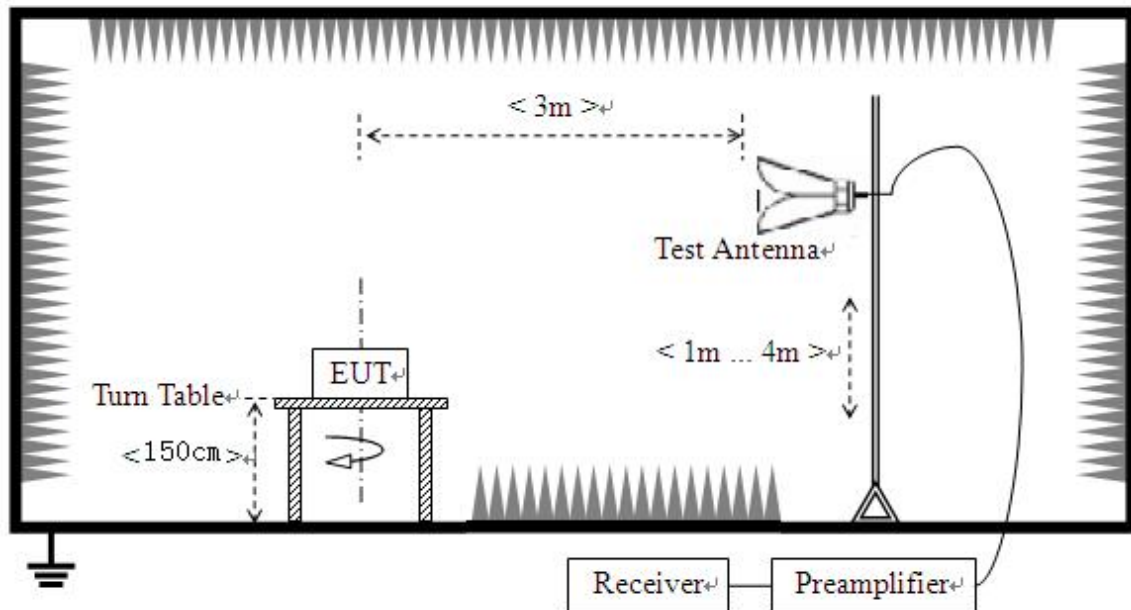
- 1) For radiated emissions from 9kHz to 30MHz



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



- 3) For radiated emissions above 1GHz



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

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

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

For Radiated emission below 30MHz

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.



e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

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

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasipeak detection (QP) at frequency below 1GHz.

2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.

3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

4. All modes of operation were investigated and the worst-case emissions are reported.

B. Equipments List:

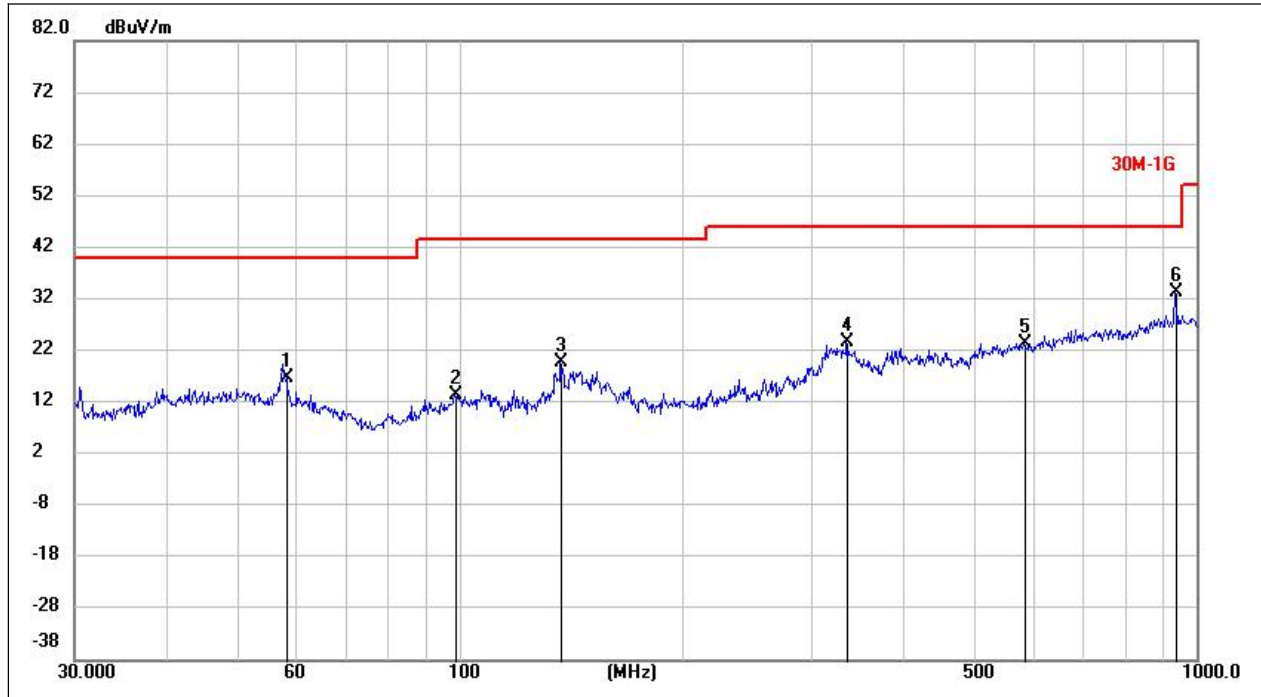
Please refere ANNEX B(4).

2.10.3. Test Result

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

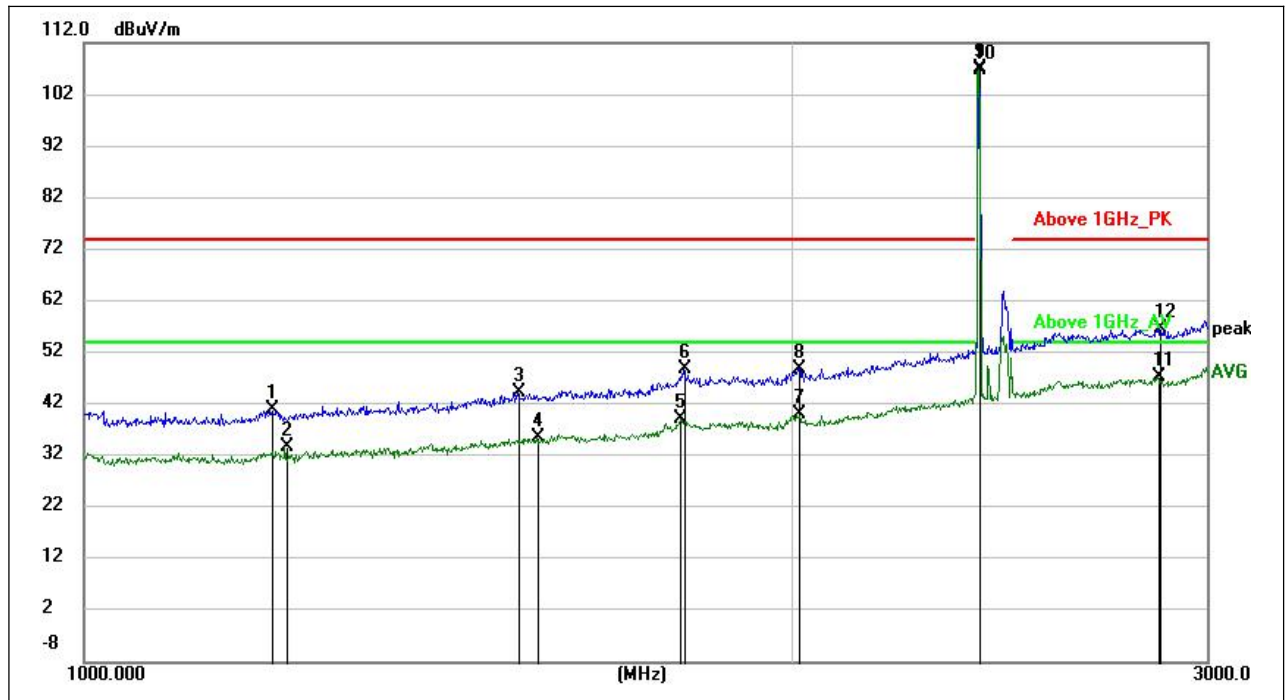
Note2: For the frequency, which started from 25GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

GFSK Test mode



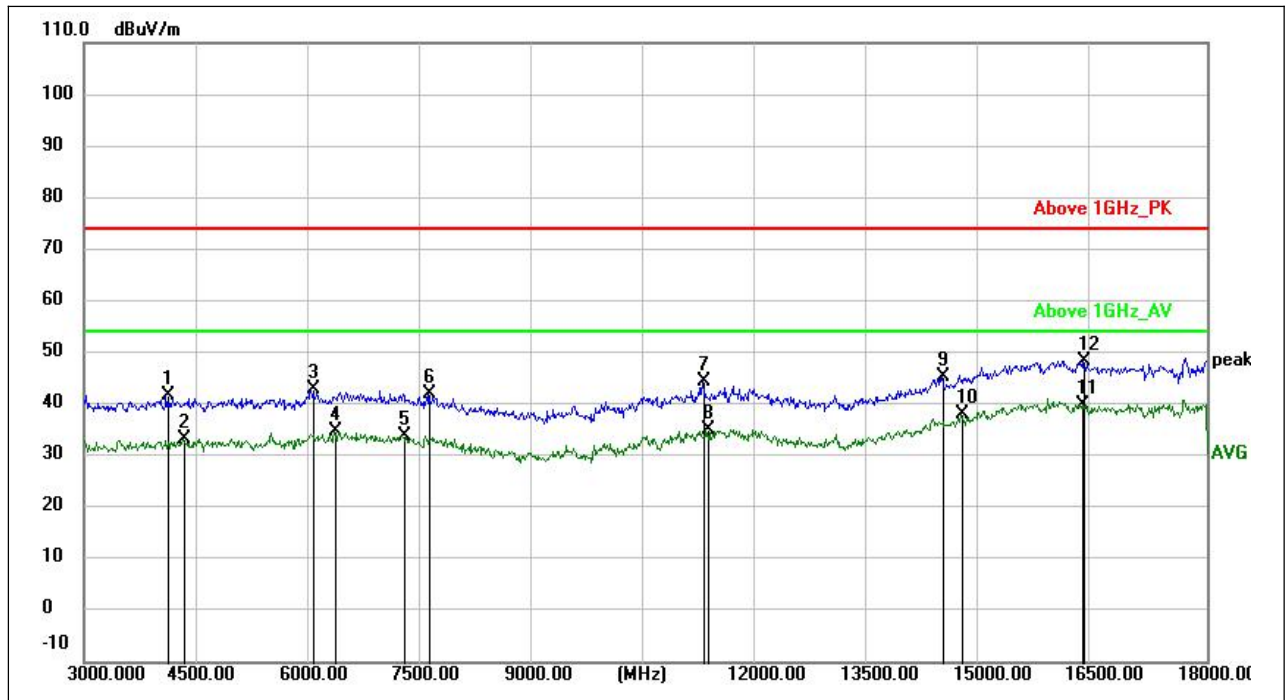
(GFSK_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
58.2847	16.60	40.00	-23.40	H	14.35	PASS
98.6421	13.52	43.50	-29.98	H	14.08	PASS
137.2517	19.61	43.50	-23.89	H	11.27	PASS
335.6818	23.74	46.00	-22.26	H	17.55	PASS
583.3558	23.42	46.00	-22.58	H	23.07	PASS
937.6811	33.38	46.00	-12.62	H	28.30	PASS



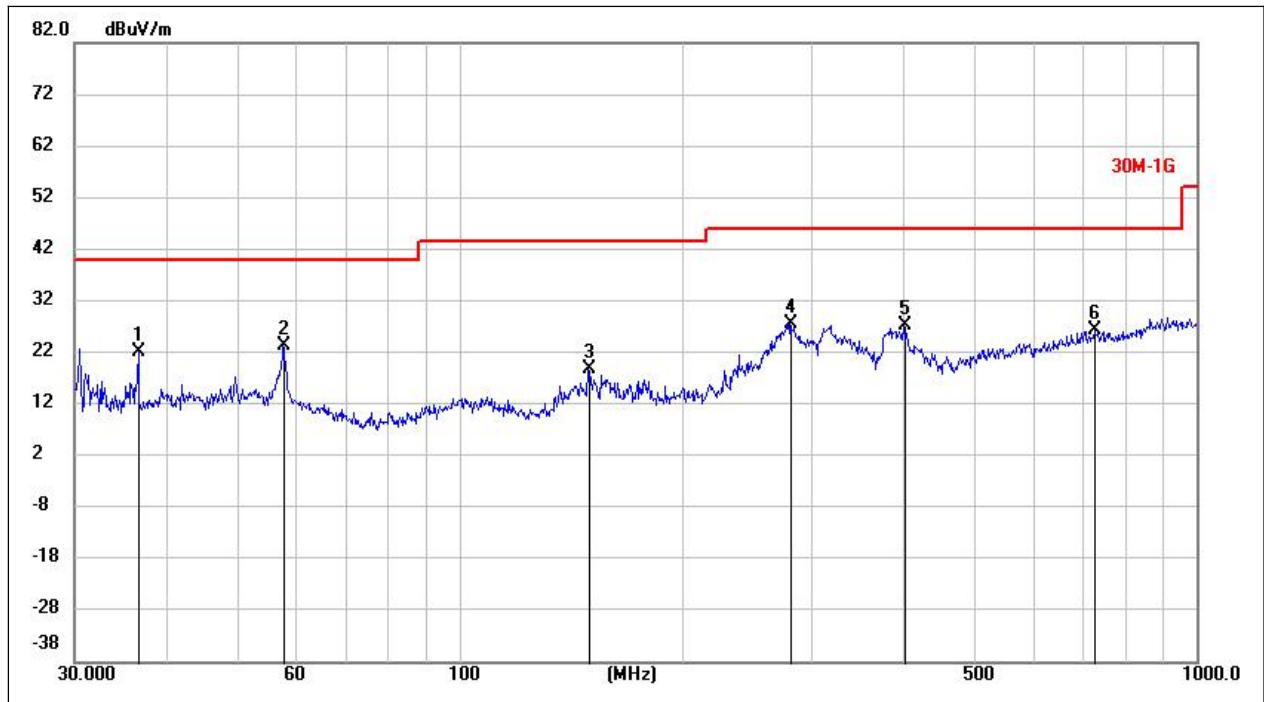
(GFSK_2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1201.509	41.09	---	74.00	-32.91	H	30.62	PASS
1218.926	---	33.64	54.00	-20.36	H	29.85	PASS
1530.596	44.39	---	74.00	-29.61	H	32.97	PASS
1558.252	---	35.64	54.00	-18.36	H	33.24	PASS
1792.941	---	39.26	54.00	-14.74	H	36.17	PASS
1799.849	48.69	---	74.00	-25.31	H	36.77	PASS
2011.614	---	40.17	54.00	-13.83	H	36.97	PASS
2012.608	48.91	---	74.00	-25.09	H	36.91	PASS
2402.015	106.98	---	---	---	H	41.60	PASS
2402.015	---	106.71	---	---	H	41.60	PASS
2863.933	---	47.27	54.00	-6.73	H	44.17	PASS
2864.877	56.79	---	74.00	-17.21	H	44.20	PASS



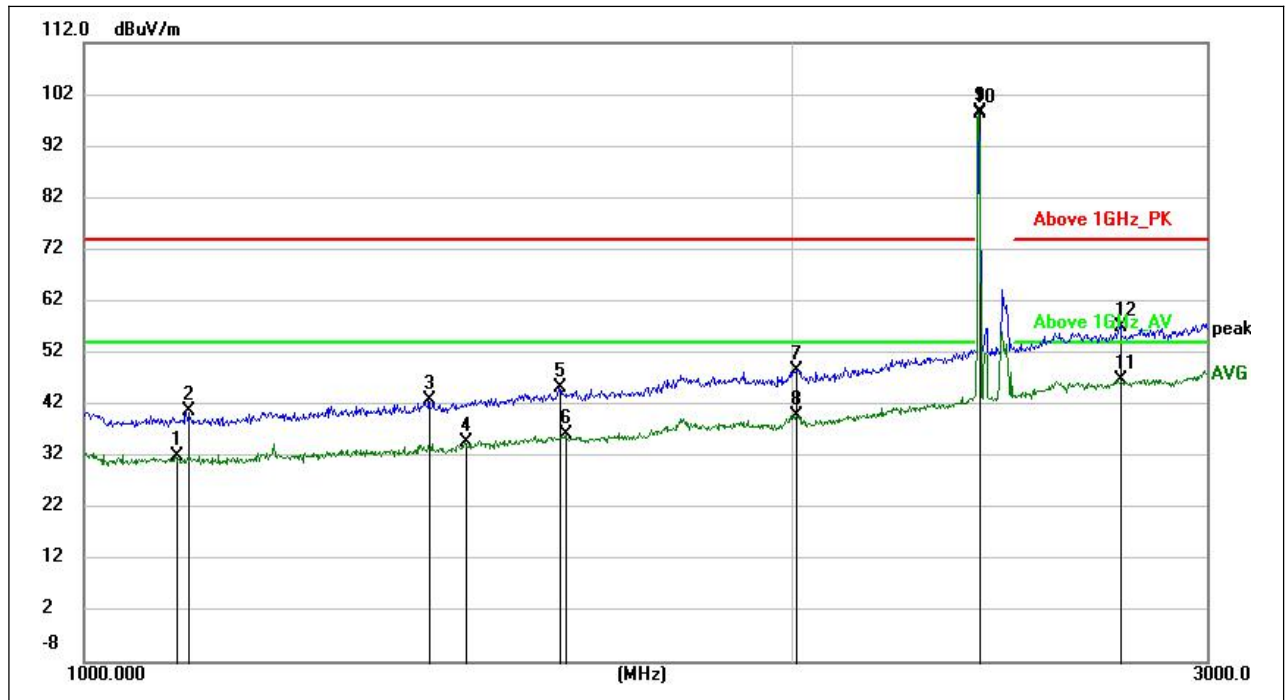
(GFSK_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4117.500	41.63	---	74.00	-32.37	H	-4.29	PASS
4337.250	---	33.29	54.00	-20.71	H	-3.36	PASS
6049.500	42.91	---	74.00	-31.09	H	-1.98	PASS
6346.500	---	34.69	54.00	-19.31	H	-0.96	PASS
7261.500	---	33.94	54.00	-20.06	H	-0.32	PASS
7614.000	42.05	---	74.00	-31.95	H	0.41	PASS
11277.000	44.57	---	74.00	-29.43	H	3.05	PASS
11330.250	---	35.07	54.00	-18.93	H	2.78	PASS
14470.500	45.32	---	74.00	-28.68	H	8.08	PASS
14721.750	---	37.98	54.00	-16.02	H	9.47	PASS
16320.750	---	39.98	54.00	-14.02	H	11.75	PASS
16354.500	48.39	---	74.00	-25.61	H	11.46	PASS



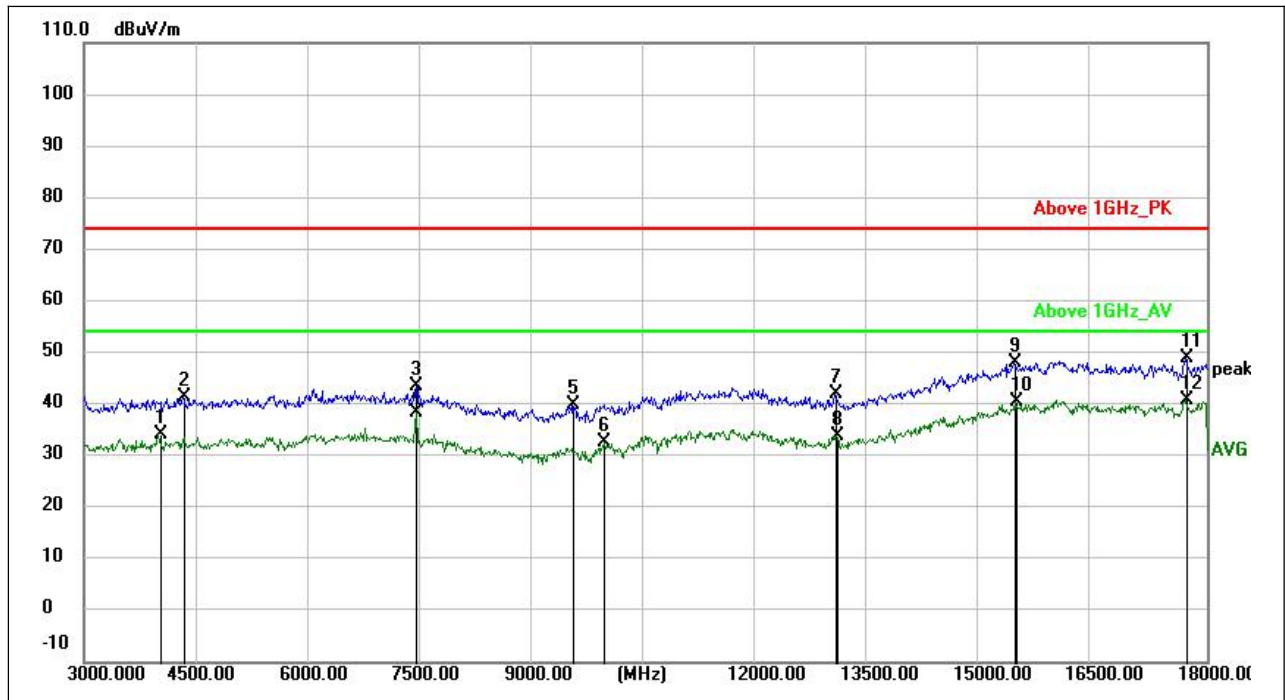
(GFSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.6696	22.07	40.00	-17.93	V	13.42	PASS
57.6545	23.49	40.00	-16.51	V	14.37	PASS
149.9582	18.80	43.50	-24.70	V	11.65	PASS
281.6981	27.68	46.00	-18.32	V	16.47	PASS
400.8533	27.15	46.00	-18.85	V	19.63	PASS
728.3360	26.35	46.00	-19.65	V	25.29	PASS



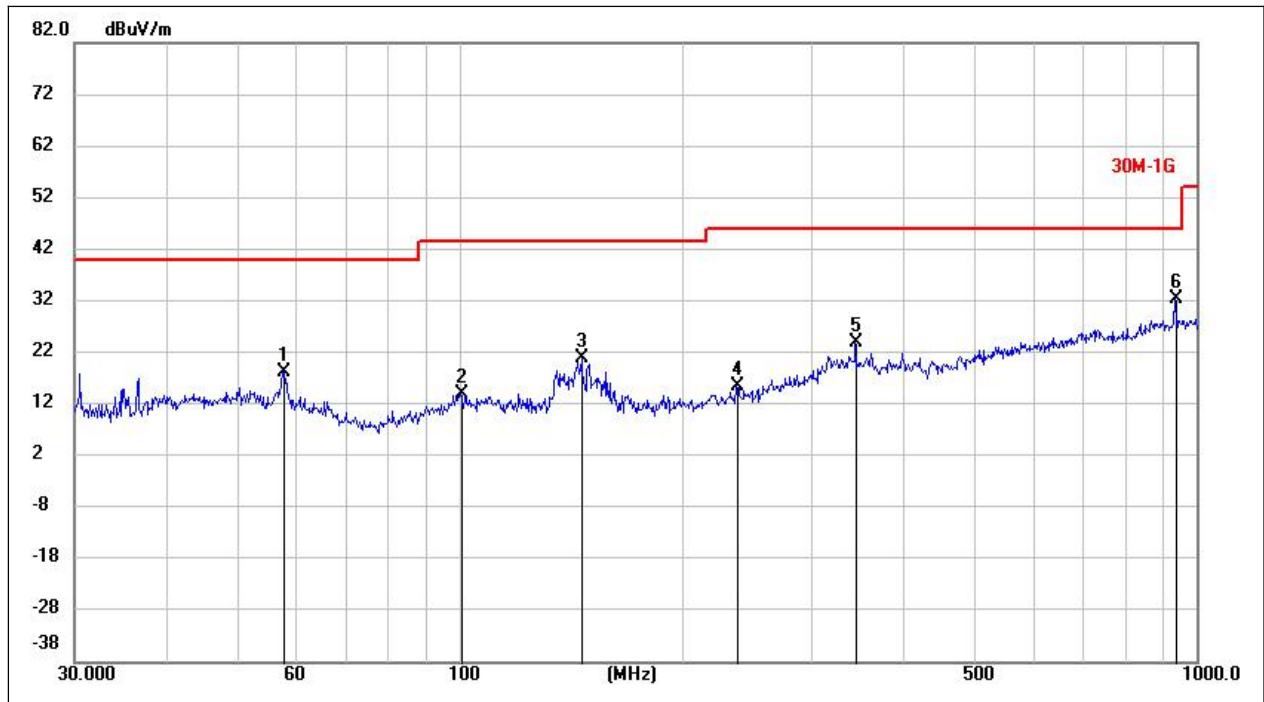
(GFSK_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1094.870	---	32.01	54.00	-21.99	V	29.07	PASS
1106.478	40.60	---	74.00	-33.40	V	29.02	PASS
1402.278	42.80	---	74.00	-31.20	V	31.92	PASS
1452.692	---	34.62	54.00	-19.38	V	31.93	PASS
1592.869	45.29	---	74.00	-28.71	V	33.90	PASS
1603.844	---	36.10	54.00	-17.90	V	34.10	PASS
2008.191	48.64	---	74.00	-25.36	V	37.15	PASS
2008.191	---	39.89	54.00	-14.11	V	37.15	PASS
2402.015	98.67	---	---	---	V	41.60	PASS
2402.015	---	98.42	---	---	V	41.60	PASS
2755.296	---	46.61	54.00	-7.39	V	43.80	PASS
2756.355	57.06	---	74.00	-16.94	V	43.78	PASS



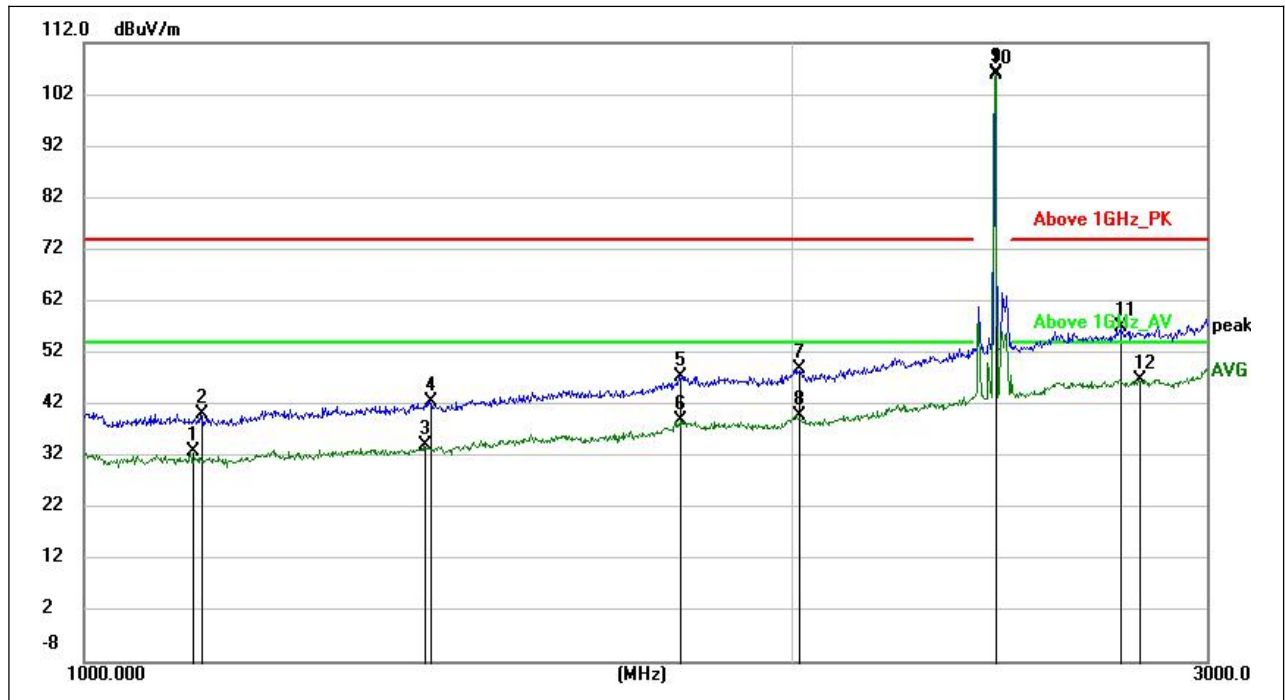
(GFSK_2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4010.250	---	34.05	54.00	-19.95	V	-3.44	PASS
4337.250	41.44	---	74.00	-32.56	V	-3.36	PASS
7440.000	43.58	---	74.00	-30.42	V	-0.35	PASS
7440.000	---	38.37	54.00	-15.63	V	-0.35	PASS
9530.250	39.99	---	74.00	-34.01	V	2.25	PASS
9957.750	---	32.54	54.00	-21.46	V	2.58	PASS
13039.500	42.02	---	74.00	-31.98	V	6.25	PASS
13057.500	---	33.93	54.00	-20.07	V	6.50	PASS
15427.500	48.11	---	74.00	-25.89	V	10.37	PASS
15452.250	---	40.55	54.00	-13.45	V	10.45	PASS
17723.250	48.83	---	74.00	-25.17	V	14.78	PASS
17723.250	---	40.82	54.00	-13.18	V	14.78	PASS



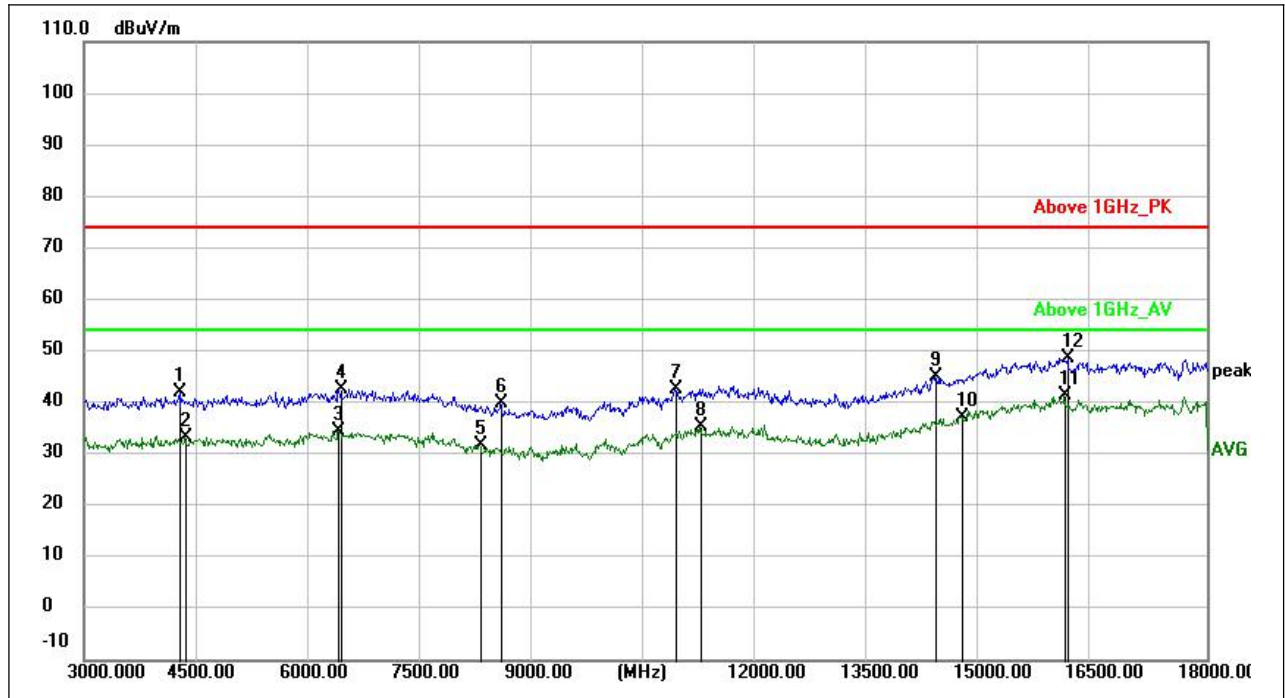
(GFSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
57.7557	18.26	40.00	-21.74	H	14.34	PASS
100.5454	14.04	43.50	-29.46	H	15.08	PASS
146.5019	20.89	43.50	-22.61	H	10.73	PASS
237.7676	15.44	46.00	-30.56	H	14.90	PASS
344.9898	23.82	46.00	-22.18	H	18.14	PASS
937.6811	32.34	46.00	-13.66	H	28.30	PASS



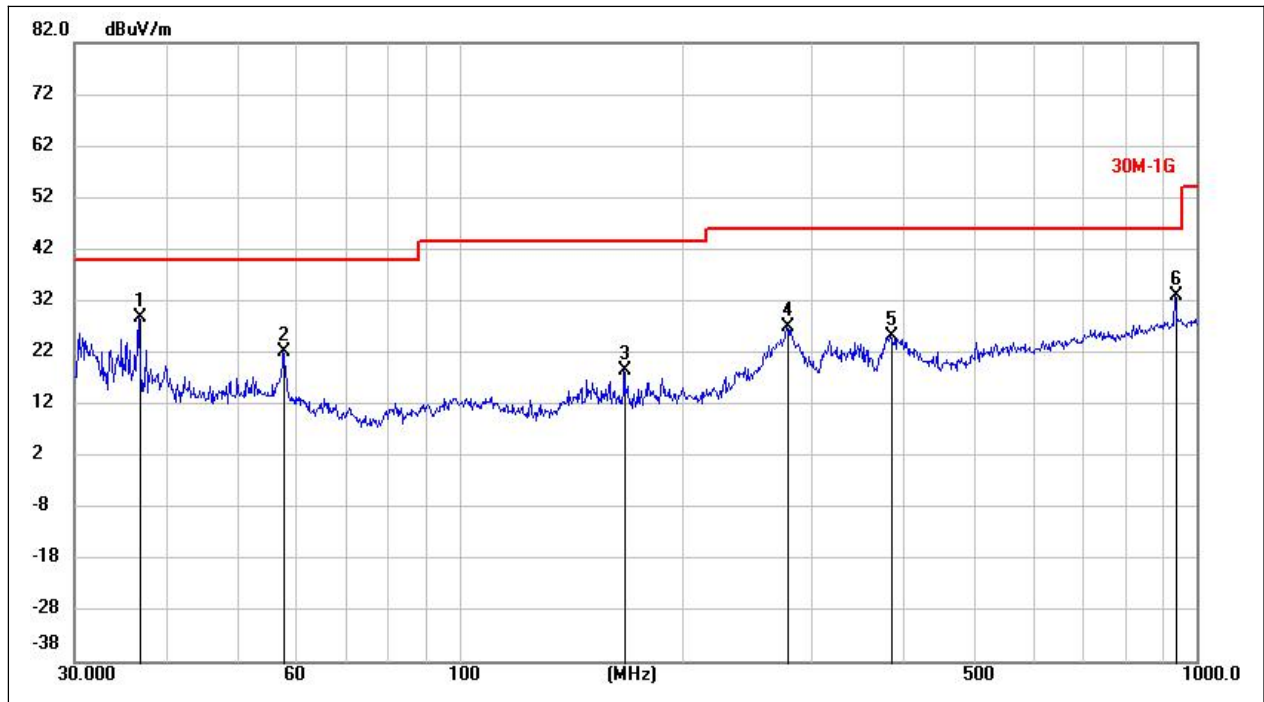
(GFSK_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1111.718	---	32.81	54.00	-21.19	H	28.98	PASS
1121.716	40.21	---	74.00	-33.79	H	28.91	PASS
1395.132	---	33.98	54.00	-20.02	H	31.80	PASS
1404.051	42.62	---	74.00	-31.38	H	31.85	PASS
1791.465	47.44	---	74.00	-26.56	H	36.01	PASS
1793.631	---	38.93	54.00	-15.07	H	36.24	PASS
2011.503	48.70	---	74.00	-25.30	H	36.97	PASS
2011.503	---	39.88	54.00	-14.12	H	36.97	PASS
2440.988	106.04	---	---	---	H	40.81	PASS
2440.988	---	105.79	---	---	H	40.81	PASS
2757.264	56.91	---	74.00	-17.09	H	43.74	PASS
2807.547	---	46.70	54.00	-7.30	H	44.09	PASS



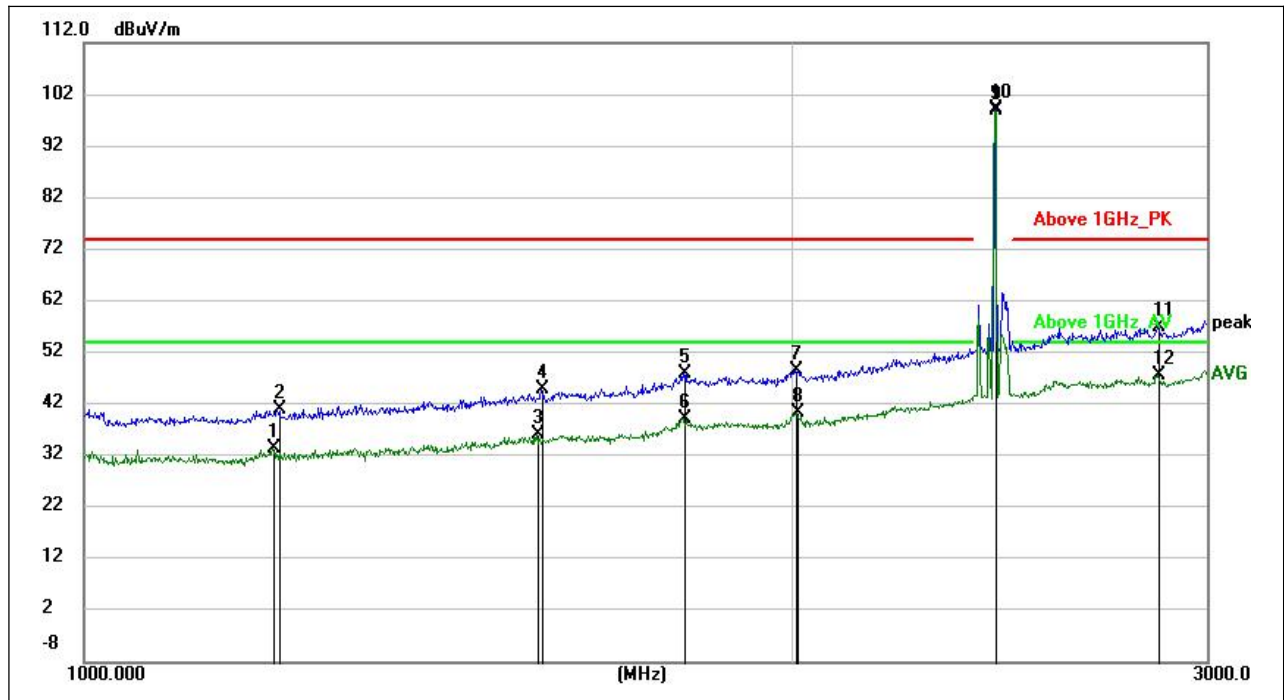
(GFSK _2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4286.250	41.89	---	74.00	-32.11	H	-3.37	PASS
4360.500	---	33.18	54.00	-20.82	H	-3.30	PASS
6395.250	---	34.36	54.00	-19.64	H	-1.36	PASS
6423.000	42.72	---	74.00	-31.28	H	-1.70	PASS
8292.000	---	31.71	54.00	-22.29	H	1.01	PASS
8576.250	39.82	---	74.00	-34.18	H	1.13	PASS
10894.500	42.57	---	74.00	-31.43	H	3.16	PASS
11238.000	---	35.45	54.00	-18.55	H	3.13	PASS
14373.000	44.90	---	74.00	-29.10	H	9.35	PASS
14716.500	---	37.28	54.00	-16.72	H	9.42	PASS
16106.250	---	41.46	54.00	-12.54	H	11.11	PASS
16148.250	48.62	---	74.00	-25.38	H	10.91	PASS



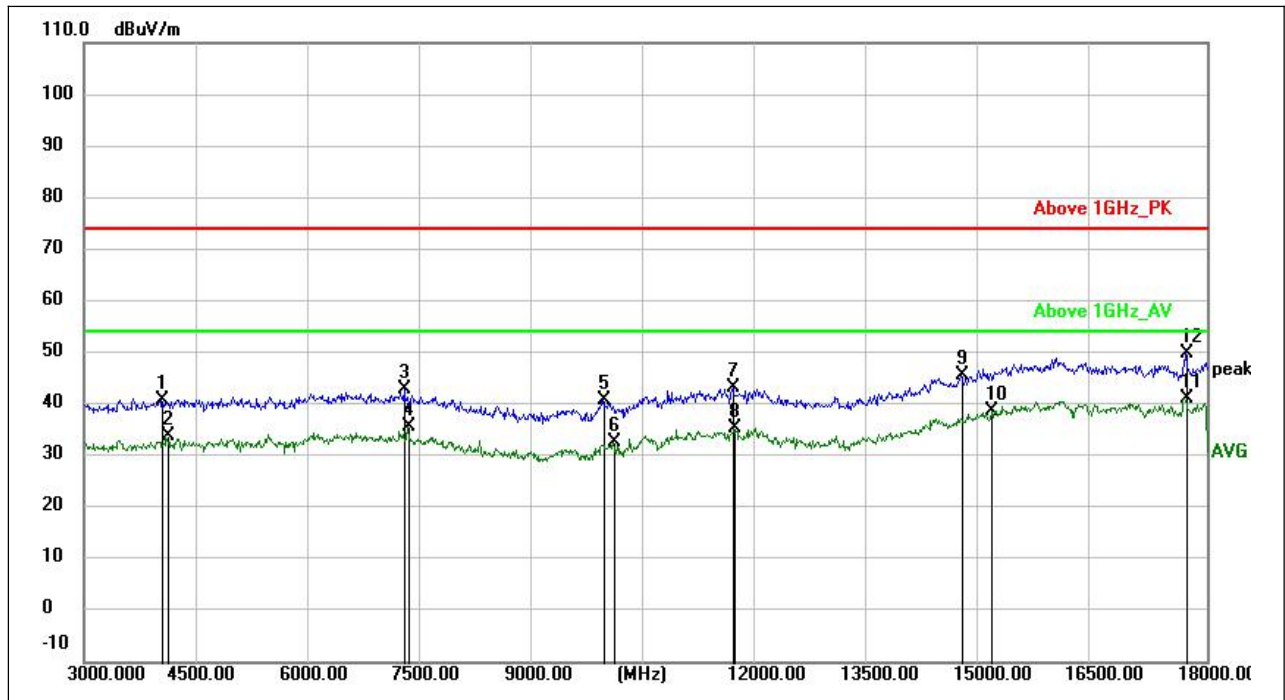
(GFSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.7662	28.70	40.00	-11.30	V	13.47	PASS
57.7861	22.24	40.00	-17.76	V	14.33	PASS
167.7360	18.53	43.50	-24.97	V	11.85	PASS
278.7014	26.91	46.00	-19.09	V	16.37	PASS
384.6730	25.10	46.00	-20.90	V	18.66	PASS
937.6811	32.97	46.00	-13.03	V	28.30	PASS



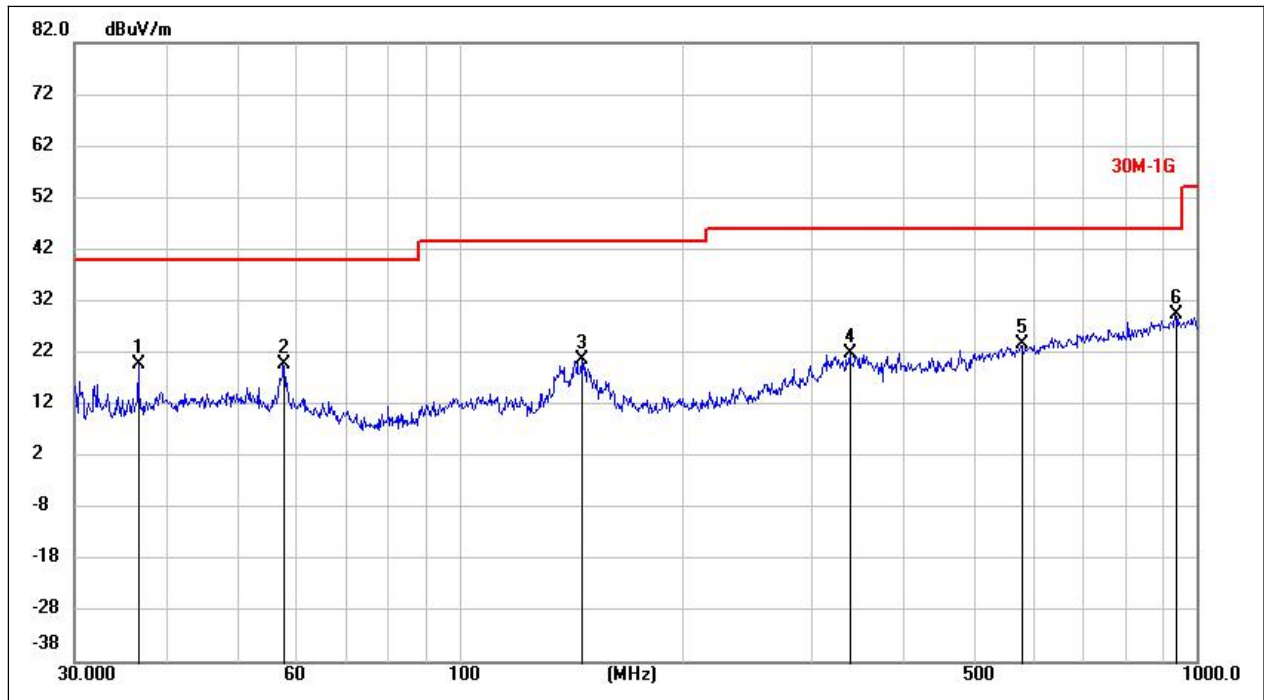
(GFSK_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1203.821	---	33.55	54.00	-20.45	V	30.51	PASS
1209.787	40.99	---	74.00	-33.01	V	30.24	PASS
1559.194	---	36.12	54.00	-17.88	V	33.24	PASS
1565.201	44.91	---	74.00	-29.09	V	33.21	PASS
1798.762	48.04	---	74.00	-25.96	V	36.69	PASS
1798.762	---	39.31	54.00	-14.69	V	36.69	PASS
2008.081	48.60	---	74.00	-25.40	V	37.16	PASS
2011.061	---	40.31	54.00	-13.69	V	37.00	PASS
2440.988	---	98.96	---	---	V	40.81	PASS
2441.256	99.23	---	---	---	V	40.81	PASS
2863.147	56.89	---	74.00	-17.11	V	44.14	PASS
2863.147	---	47.57	54.00	-6.43	V	44.14	PASS



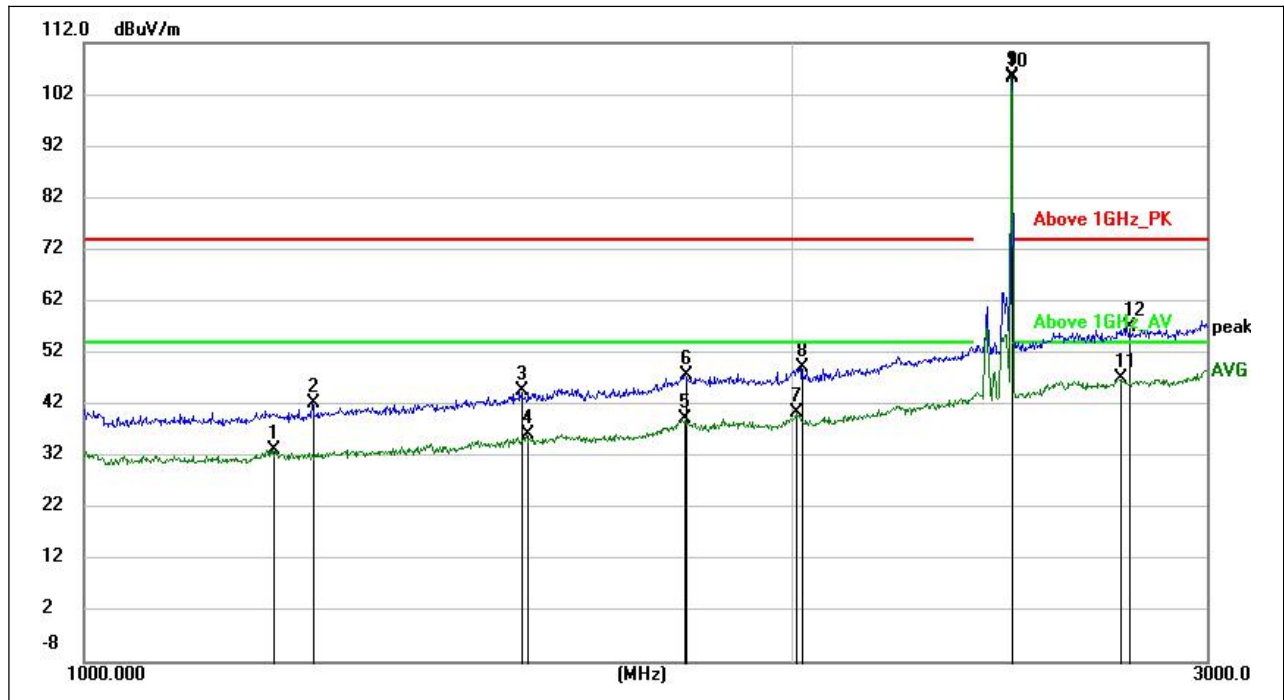
(GFSK_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4040.250	40.94	---	74.00	-33.06	V	-4.25	PASS
4115.250	---	33.85	54.00	-20.15	V	-4.29	PASS
7286.250	42.86	---	74.00	-31.14	V	-0.29	PASS
7323.000	---	35.77	54.00	-18.23	V	-0.24	PASS
9943.500	40.67	---	74.00	-33.33	V	2.57	PASS
10071.000	---	32.62	54.00	-21.38	V	2.61	PASS
11679.750	43.08	---	74.00	-30.92	V	3.83	PASS
11691.000	---	35.27	54.00	-18.73	V	3.98	PASS
14718.750	45.73	---	74.00	-28.27	V	9.44	PASS
15124.500	---	38.78	54.00	-15.22	V	9.44	PASS
17721.750	---	40.96	54.00	-13.04	V	14.75	PASS
17730.750	49.78	---	74.00	-24.22	V	14.94	PASS



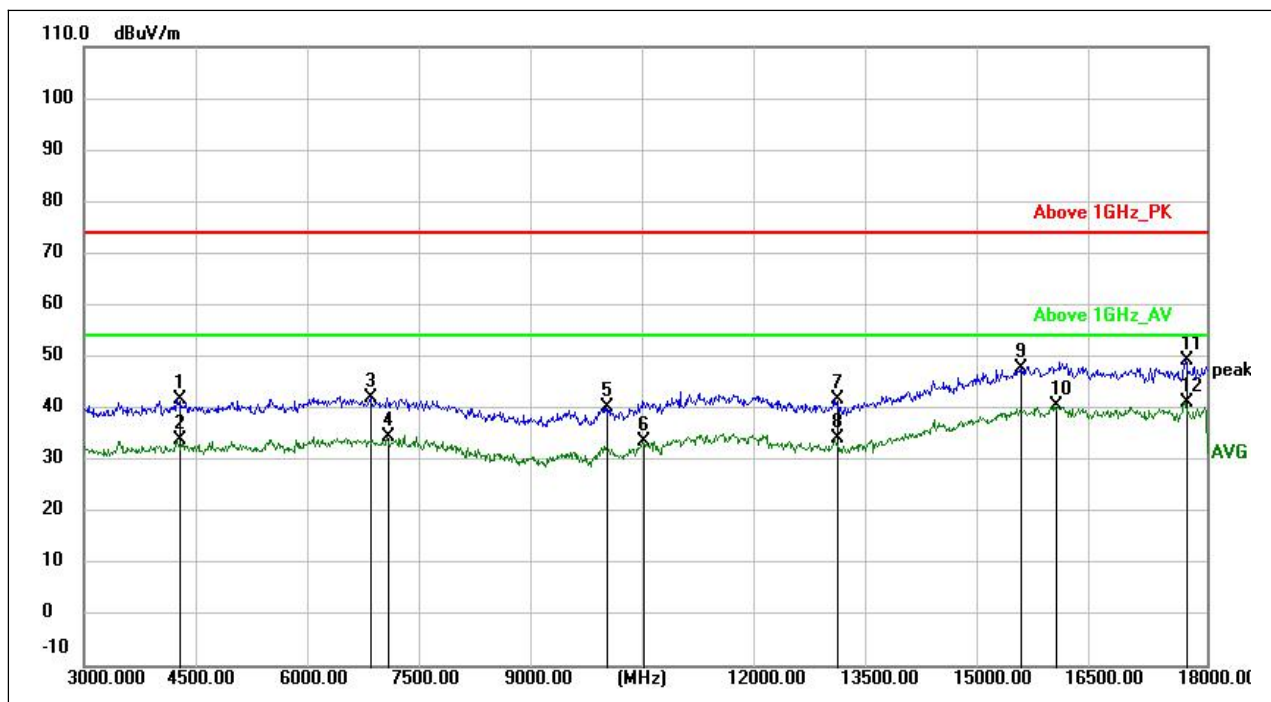
(GFSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.6632	19.71	40.00	-20.29	H	13.41	PASS
57.6950	19.63	40.00	-20.37	H	14.36	PASS
146.4505	20.57	43.50	-22.93	H	10.72	PASS
339.1128	21.70	46.00	-24.30	H	18.14	PASS
579.8887	23.51	46.00	-22.49	H	23.06	PASS
937.5167	29.35	46.00	-16.65	H	28.29	PASS



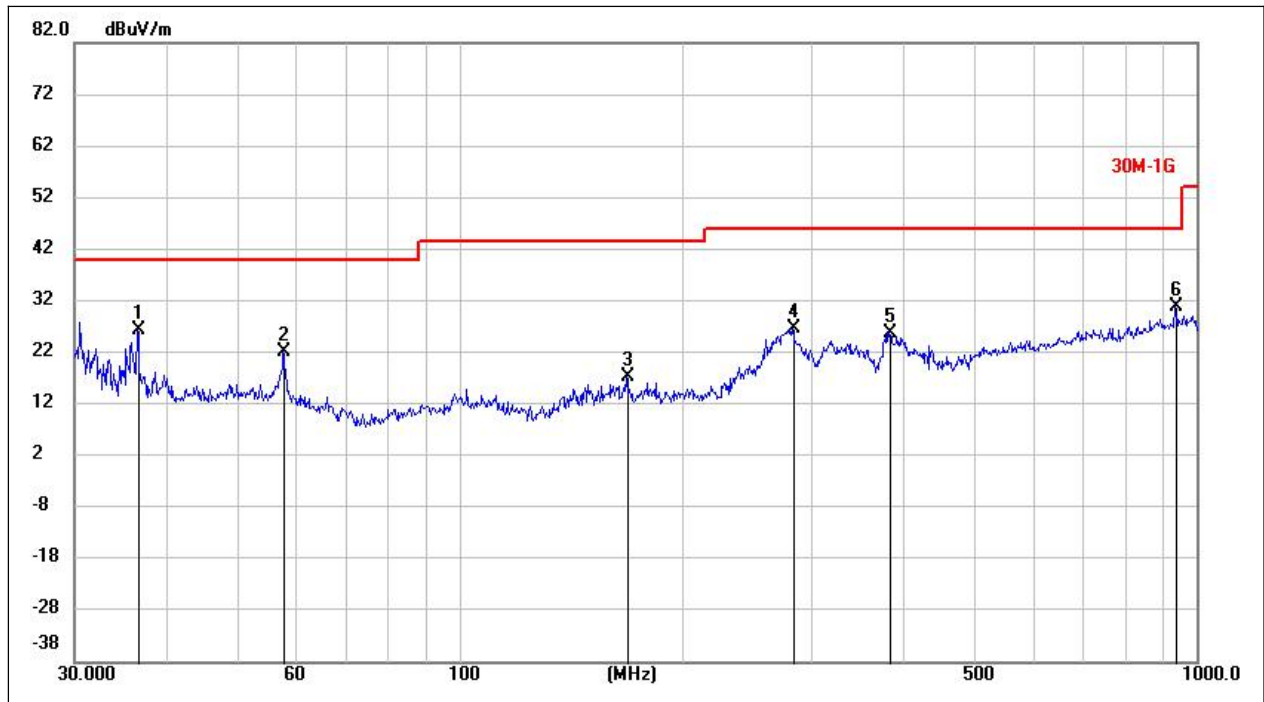
(GFSK_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1204.019	---	33.17	54.00	-20.83	H	30.50	PASS
1250.942	42.18	---	74.00	-31.82	H	30.20	PASS
1533.205	44.75	---	74.00	-29.25	H	33.01	PASS
1542.751	---	36.17	54.00	-17.83	H	33.23	PASS
1798.366	---	39.12	54.00	-14.88	H	36.66	PASS
1803.114	47.51	---	74.00	-26.49	H	36.57	PASS
2008.632	---	40.26	54.00	-13.74	H	37.13	PASS
2018.365	49.00	---	74.00	-25.00	H	36.60	PASS
2480.047	105.41	---	---	---	H	41.77	PASS
2480.047	---	105.21	---	---	H	41.77	PASS
2753.783	---	46.94	54.00	-7.06	H	43.75	PASS
2778.550	57.09	---	74.00	-16.91	H	43.03	PASS



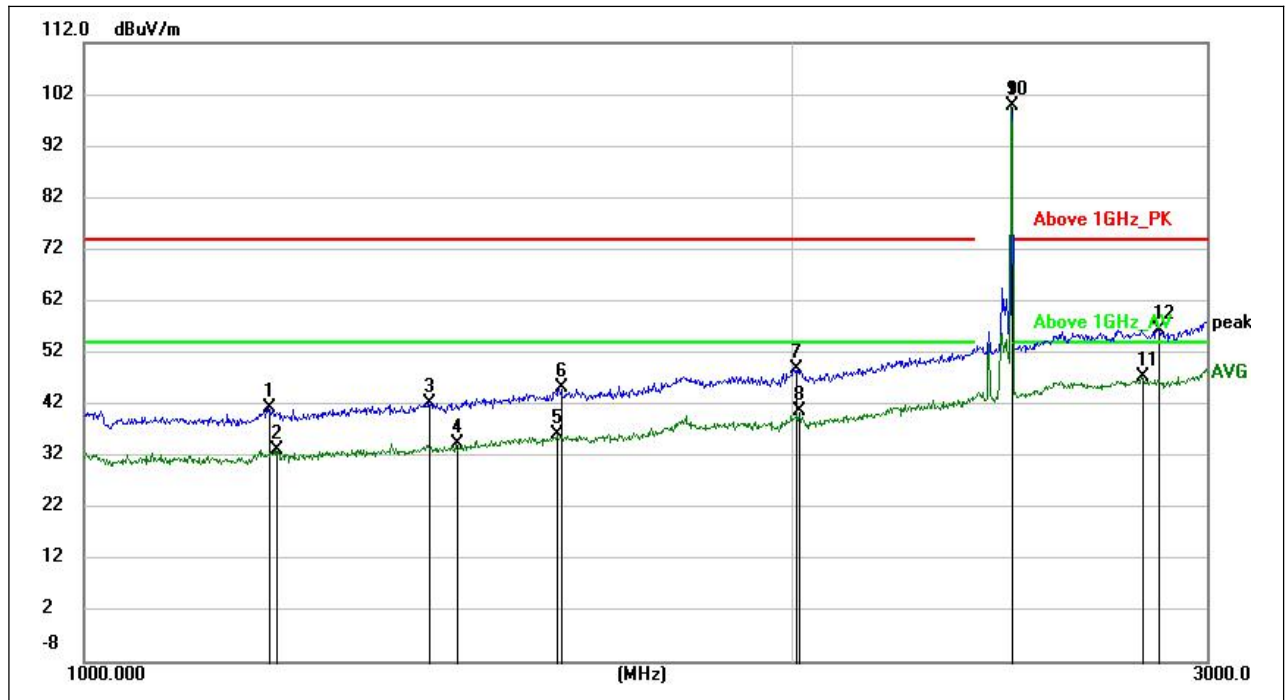
(GFSK_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4265.250	41.75	---	74.00	-32.25	H	-3.51	PASS
4265.250	---	33.95	54.00	-20.05	H	-3.51	PASS
6837.750	42.06	---	74.00	-31.94	H	-0.96	PASS
7062.750	---	34.44	54.00	-19.56	H	-0.85	PASS
9987.750	40.09	---	74.00	-33.91	H	1.94	PASS
10473.750	---	33.66	54.00	-20.34	H	2.73	PASS
13054.500	41.82	---	74.00	-32.18	H	6.60	PASS
13054.500	---	34.04	54.00	-19.96	H	6.60	PASS
15523.500	47.67	---	74.00	-26.33	H	11.19	PASS
15982.500	---	40.58	54.00	-13.42	H	11.51	PASS
17718.750	49.26	---	74.00	-24.74	H	14.68	PASS
17718.750	---	41.19	54.00	-12.81	H	14.68	PASS



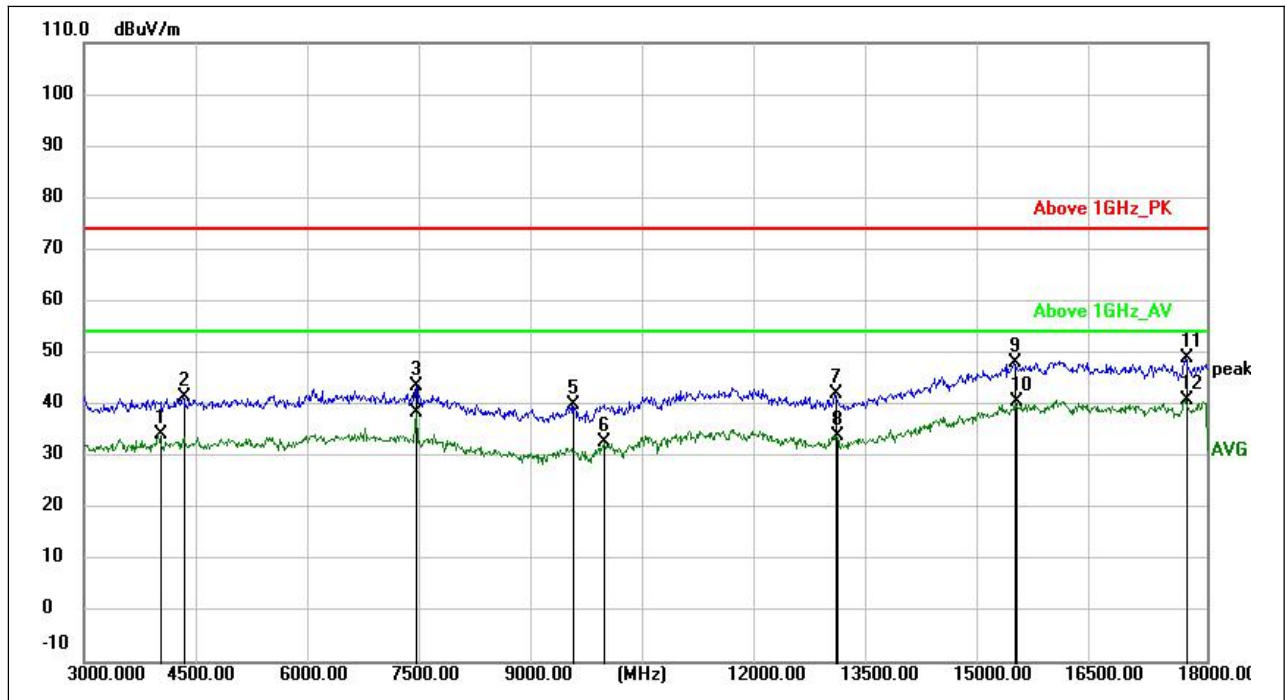
(GFSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.6310	26.24	40.00	-13.76	V	13.39	PASS
57.6748	22.01	40.00	-17.99	V	14.37	PASS
168.7981	17.26	43.50	-26.24	V	12.17	PASS
283.6309	26.55	46.00	-19.45	V	16.01	PASS
382.9906	25.66	46.00	-20.34	V	18.85	PASS
937.5167	30.90	46.00	-15.10	V	28.29	PASS



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

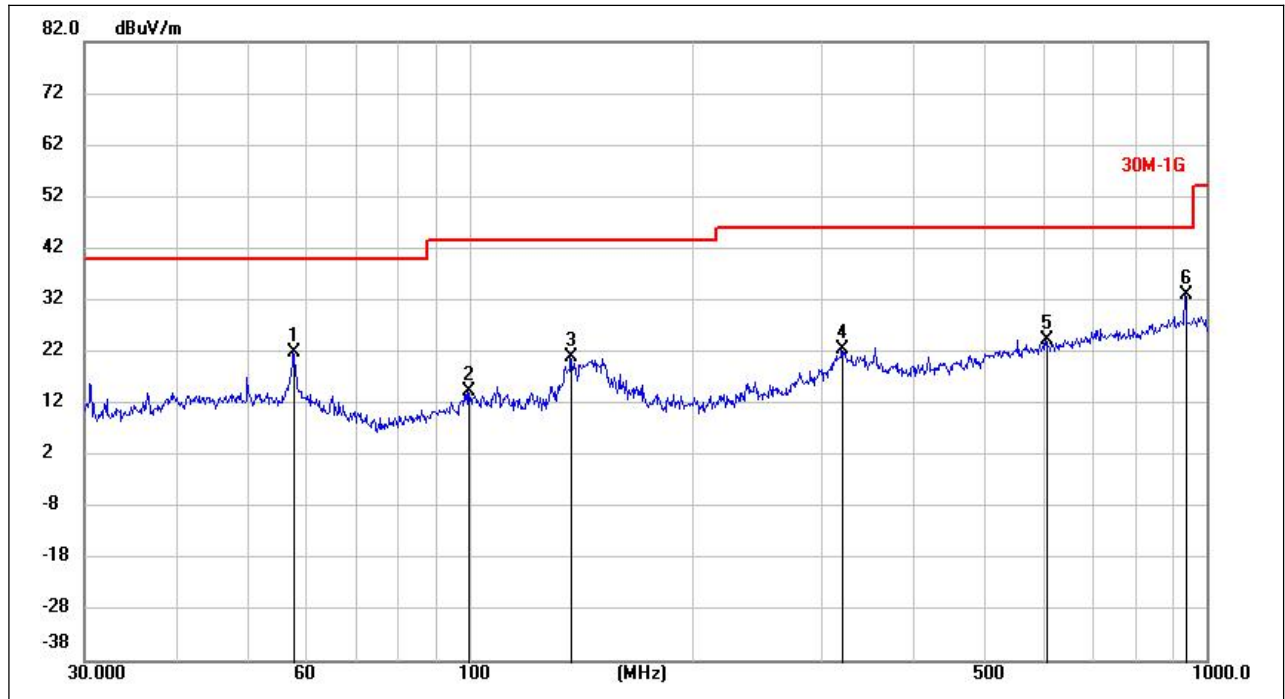
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1199.465	41.16	---	74.00	-32.84	V	30.66	PASS
1206.734	---	33.16	54.00	-20.84	V	30.36	PASS
1401.585	42.28	---	74.00	-31.72	V	31.94	PASS
1440.218	---	34.27	54.00	-19.73	V	31.60	PASS
1589.461	---	36.08	54.00	-17.92	V	33.75	PASS
1593.920	45.21	---	74.00	-28.79	V	33.96	PASS
2005.876	48.74	---	74.00	-25.26	V	37.28	PASS
2011.614	---	40.62	54.00	-13.38	V	36.97	PASS
2480.047	---	99.65	---	---	V	41.77	PASS
2480.184	99.78	---	---	---	V	41.76	PASS
2816.196	---	47.23	54.00	-6.77	V	43.35	PASS
2861.574	56.52	---	74.00	-17.48	V	44.09	PASS



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

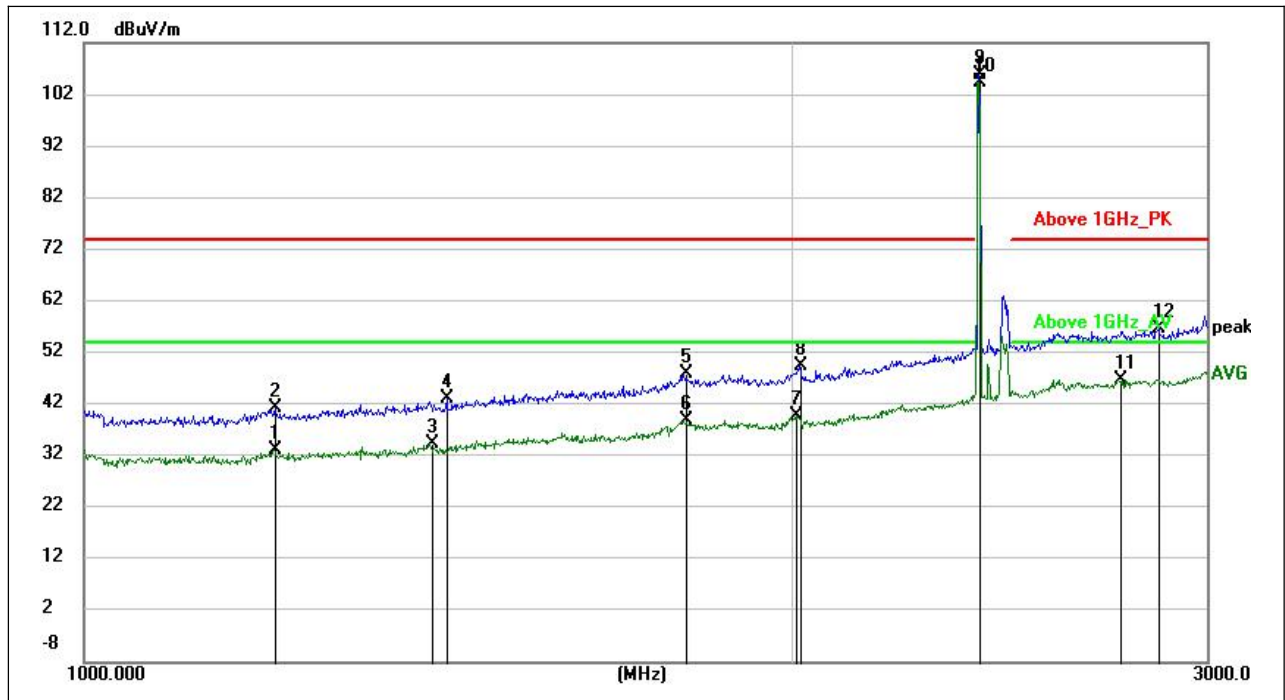
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4010.250	---	34.05	54.00	-19.95	V	-3.44	PASS
4337.250	41.44	---	74.00	-32.56	V	-3.36	PASS
7440.000	43.58	---	74.00	-30.42	V	-0.35	PASS
7440.000	---	38.37	54.00	-15.63	V	-0.35	PASS
9530.250	39.99	---	74.00	-34.01	V	2.25	PASS
9957.750	---	32.54	54.00	-21.46	V	2.58	PASS
13039.500	42.02	---	74.00	-31.98	V	6.25	PASS
13057.500	---	33.93	54.00	-20.07	V	6.50	PASS
15427.500	48.11	---	74.00	-25.89	V	10.37	PASS
15452.250	---	40.55	54.00	-13.45	V	10.45	PASS
17723.250	48.83	---	74.00	-25.17	V	14.78	PASS
17723.250	---	40.82	54.00	-13.18	V	14.78	PASS

$\pi/4$ -DQPSK Test mode



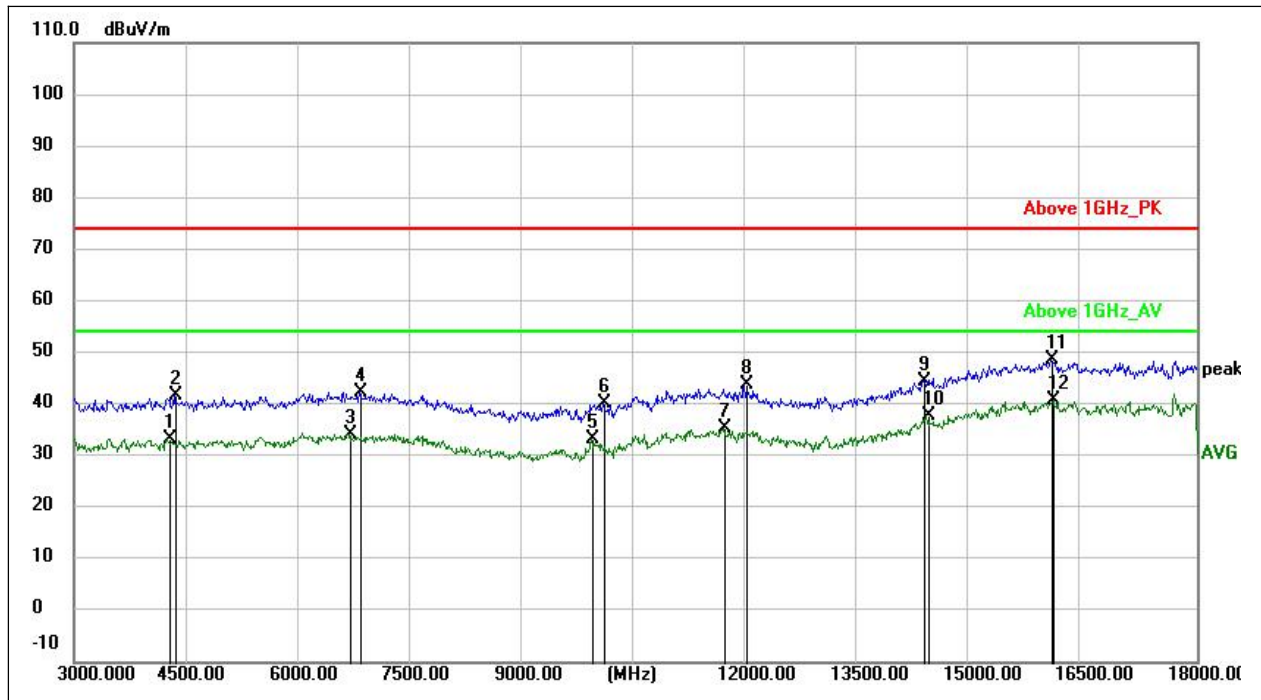
($\pi/4$ -DQPSK_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
57.6444	21.79	40.00	-18.21	H	14.37	PASS
99.7377	14.30	43.50	-29.20	H	14.98	PASS
137.2276	21.03	43.50	-22.47	H	11.26	PASS
319.9931	22.32	46.00	-23.68	H	18.00	PASS
607.0413	24.23	46.00	-21.77	H	23.54	PASS
937.6811	32.97	46.00	-13.03	H	28.30	PASS



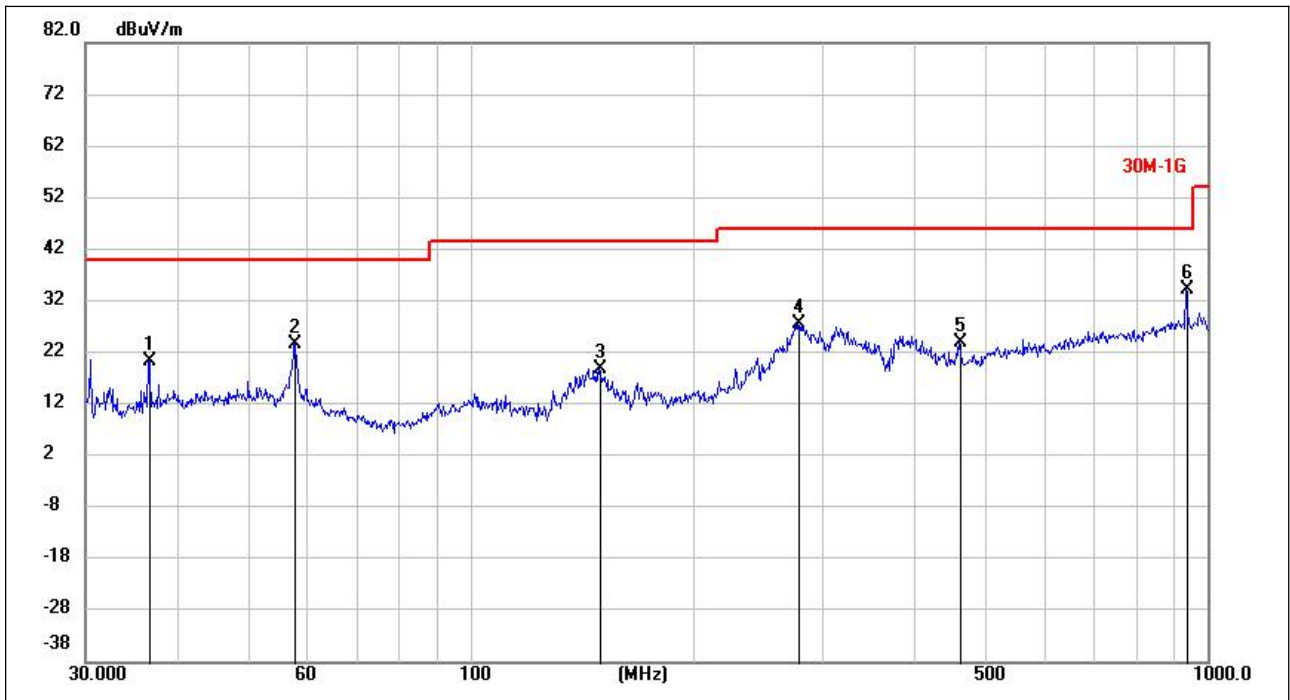
($\pi/4$ -DQPSK_2402MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1204.350	---	33.06	54.00	-20.94	H	30.48	PASS
1206.602	41.22	---	74.00	-32.78	H	30.37	PASS
1404.591	---	34.42	54.00	-19.58	H	31.83	PASS
1426.988	43.23	---	74.00	-30.77	H	31.41	PASS
1800.541	47.79	---	74.00	-26.21	H	36.75	PASS
1800.541	---	38.93	54.00	-15.07	H	36.75	PASS
2008.963	---	39.70	54.00	-14.30	H	37.11	PASS
2015.263	49.32	---	74.00	-24.68	H	36.77	PASS
2402.147	105.72	---	---	---	H	41.60	PASS
2402.147	---	104.30	---	---	H	41.60	PASS
2755.144	---	46.77	54.00	-7.23	H	43.80	PASS
2864.248	56.55	---	74.00	-17.45	H	44.18	PASS



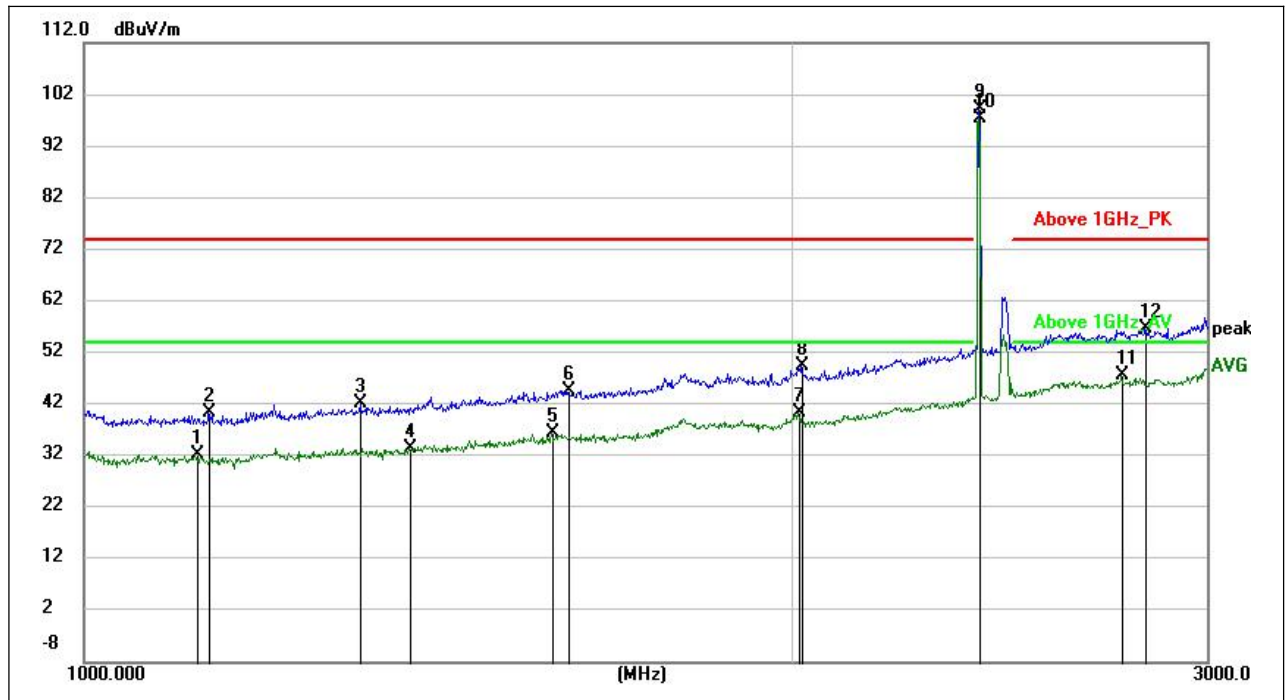
($\pi/4$ -DQPSK_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4260.750	---	33.15	54.00	-20.85	H	-3.56	PASS
4353.000	41.76	---	74.00	-32.24	H	-3.31	PASS
6686.250	---	34.32	54.00	-19.68	H	-0.73	PASS
6832.500	42.38	---	74.00	-31.62	H	-0.95	PASS
9929.250	---	33.30	54.00	-20.70	H	2.11	PASS
10075.500	40.30	---	74.00	-33.70	H	2.20	PASS
11686.500	---	35.25	54.00	-18.75	H	3.92	PASS
11971.500	43.83	---	74.00	-30.17	H	3.74	PASS
14358.750	44.43	---	74.00	-29.57	H	9.18	PASS
14409.000	---	37.71	54.00	-16.29	H	9.35	PASS
16065.000	48.65	---	74.00	-25.35	H	11.45	PASS
16092.000	---	40.94	54.00	-13.06	H	11.18	PASS



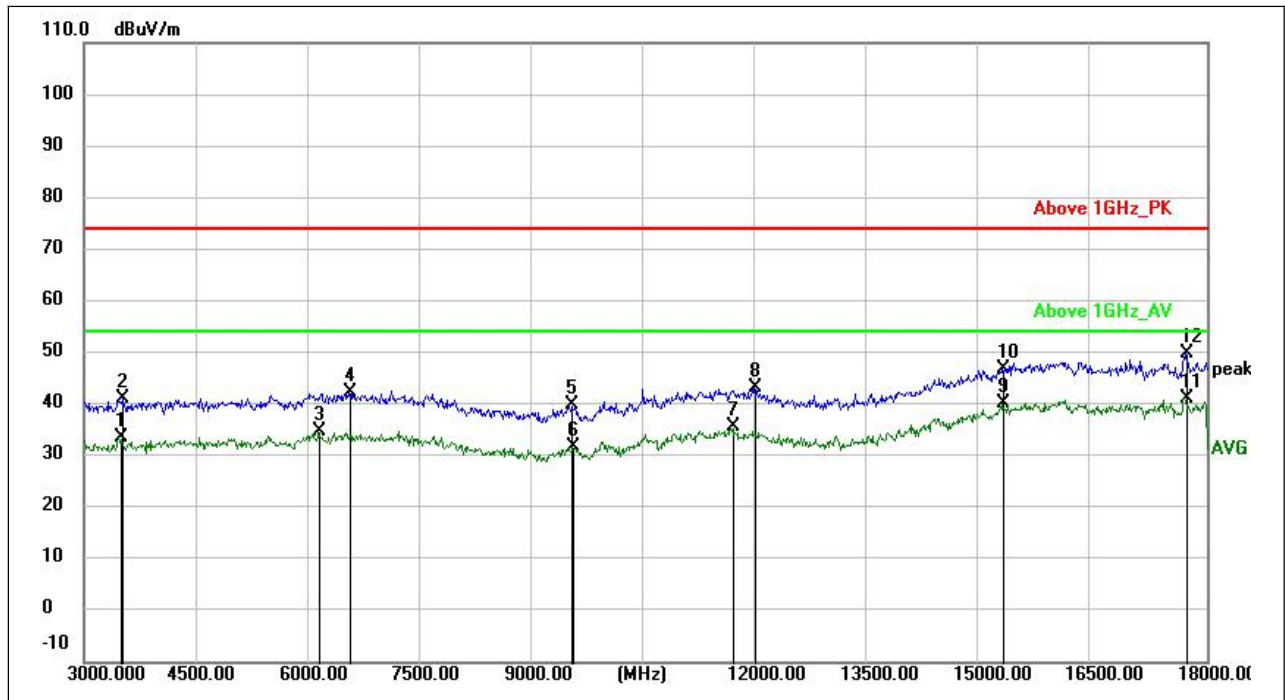
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.6246	20.47	40.00	-19.53	V	13.39	PASS
57.7962	23.79	40.00	-16.21	V	14.33	PASS
149.8268	18.91	43.50	-24.59	V	11.61	PASS
278.7014	27.50	46.00	-18.50	V	16.37	PASS
461.1312	23.87	46.00	-22.13	V	21.01	PASS
937.5167	34.22	46.00	-11.78	V	28.29	PASS



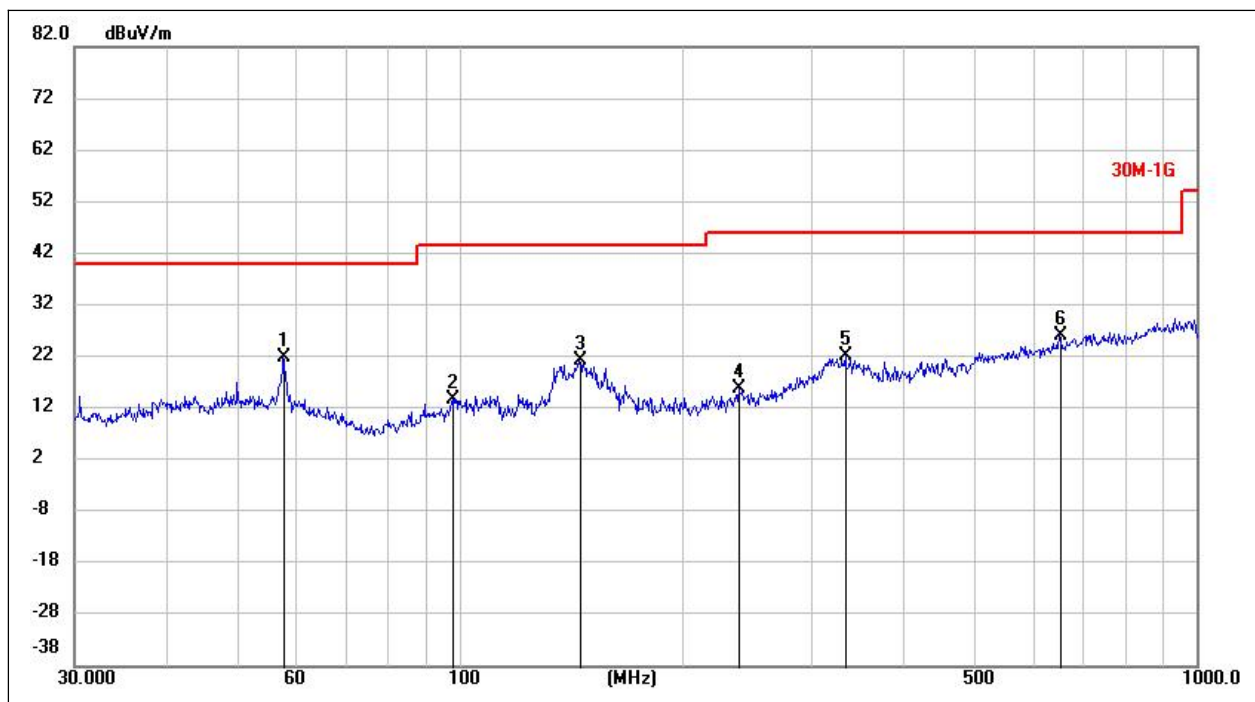
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1116.246	---	32.25	54.00	-21.75	V	28.95	PASS
1130.748	40.28	---	74.00	-33.72	V	28.97	PASS
1311.672	42.10	---	74.00	-31.90	V	30.78	PASS
1375.727	---	33.38	54.00	-20.62	V	30.95	PASS
1581.275	---	36.62	54.00	-17.38	V	33.37	PASS
1605.783	44.60	---	74.00	-29.40	V	34.03	PASS
2013.272	---	40.30	54.00	-13.70	V	36.88	PASS
2018.254	49.31	---	74.00	-24.69	V	36.61	PASS
2402.147	99.24	---	---	---	V	41.60	PASS
2402.147	---	97.47	---	---	V	41.60	PASS
2760.446	---	47.51	54.00	-6.49	V	43.64	PASS
2825.338	56.71	---	74.00	-17.29	V	43.10	PASS



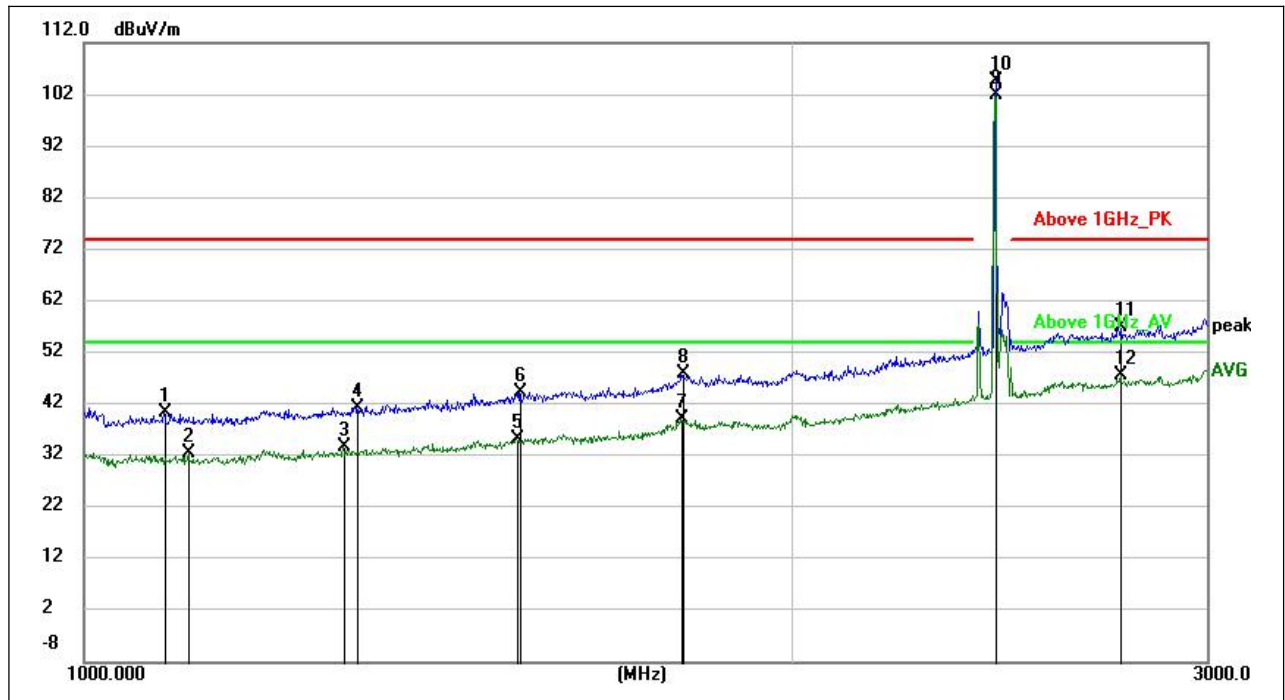
($\pi/4$ -DQPSK_2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3480.750	---	33.54	54.00	-20.46	V	-4.83	PASS
3512.250	41.09	---	74.00	-32.91	V	-4.76	PASS
6149.250	---	34.72	54.00	-19.28	V	-1.53	PASS
6555.000	42.37	---	74.00	-31.63	V	-0.74	PASS
9498.750	40.01	---	74.00	-33.99	V	1.91	PASS
9540.000	---	31.78	54.00	-22.22	V	2.35	PASS
11660.250	---	35.57	54.00	-18.43	V	3.57	PASS
11961.000	43.28	---	74.00	-30.72	V	4.32	PASS
15273.750	---	40.24	54.00	-13.76	V	9.91	PASS
15285.000	46.70	---	74.00	-27.30	V	9.91	PASS
17718.750	---	41.19	54.00	-12.81	V	14.68	PASS
17727.750	49.73	---	74.00	-24.27	V	14.87	PASS



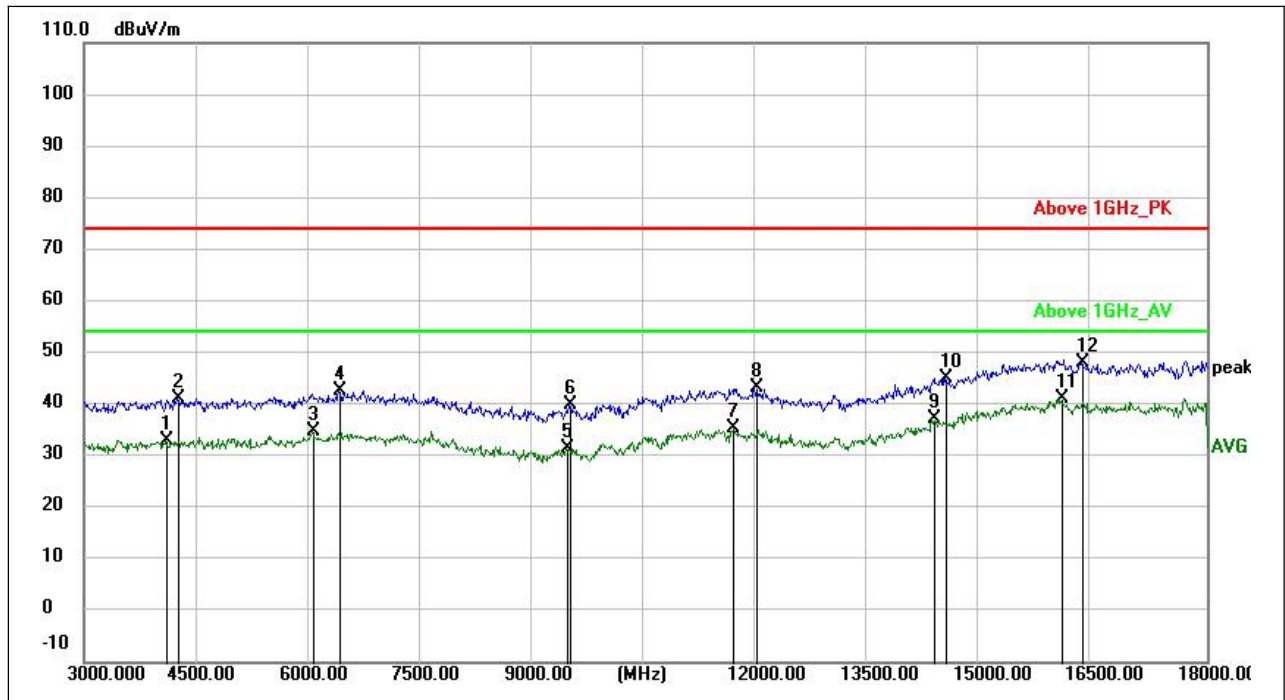
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
57.6545	21.91	40.00	-18.09	H	14.37	PASS
98.0387	13.80	43.50	-29.70	H	13.58	PASS
145.8100	21.32	43.50	-22.18	H	10.51	PASS
239.3570	15.90	46.00	-30.10	H	15.15	PASS
334.3895	22.28	46.00	-23.72	H	17.30	PASS
653.6586	25.92	46.00	-20.08	H	24.22	PASS



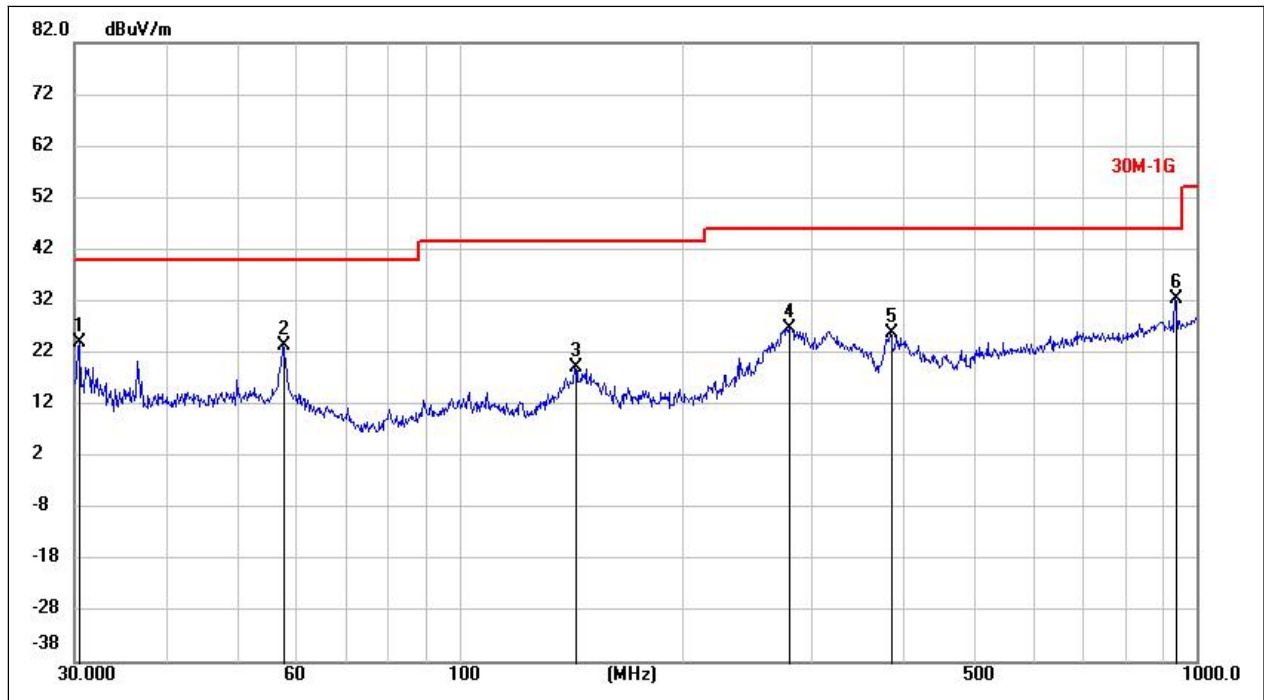
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1082.372	40.48	---	74.00	-33.52	H	28.88	PASS
1108.303	---	32.53	54.00	-21.47	H	29.01	PASS
1290.304	---	33.74	54.00	-20.26	H	30.65	PASS
1306.853	41.31	---	74.00	-32.69	H	30.77	PASS
1527.321	---	35.41	54.00	-18.59	H	32.95	PASS
1531.690	44.33	---	74.00	-29.67	H	32.97	PASS
1795.504	---	39.06	54.00	-14.94	H	36.43	PASS
1796.490	48.04	---	74.00	-25.96	H	36.53	PASS
2440.988	---	101.87	---	---	H	40.81	PASS
2441.256	104.54	---	---	---	H	40.81	PASS
2754.085	56.83	---	74.00	-17.17	H	43.76	PASS
2757.567	---	47.58	54.00	-6.42	H	43.73	PASS



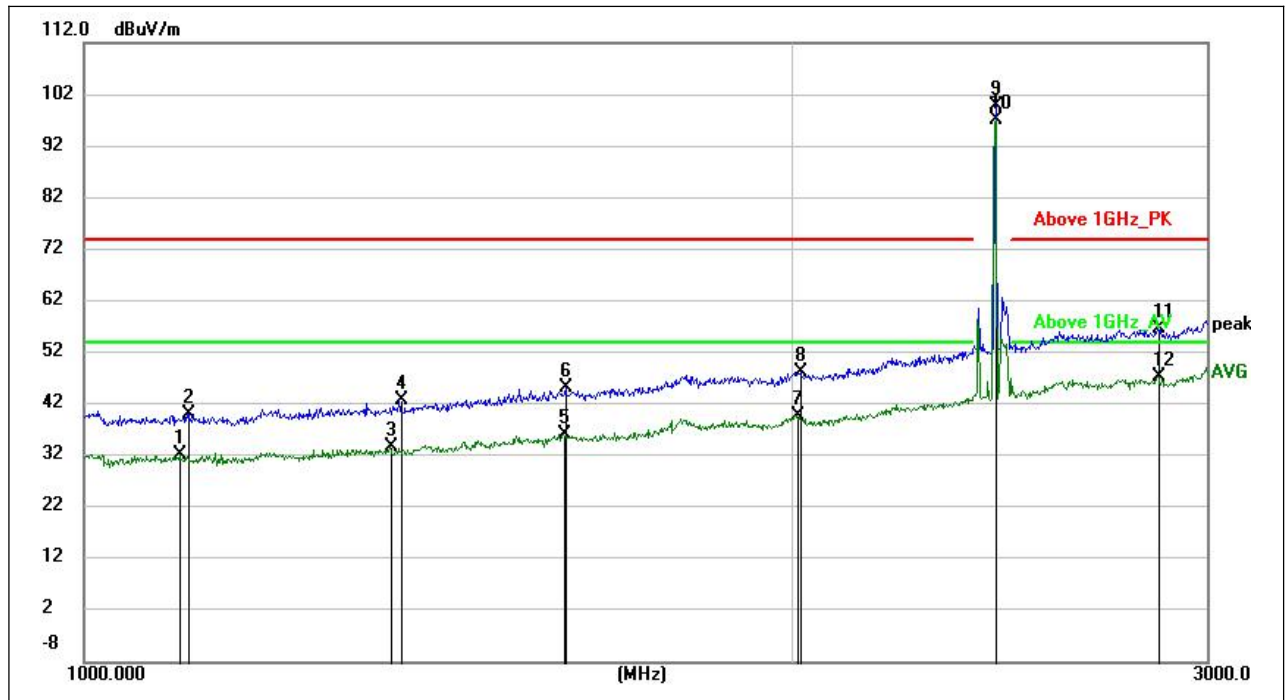
($\pi/4$ -DQPSK_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4105.500	---	33.05	54.00	-20.95	H	-4.33	PASS
4257.000	41.18	---	74.00	-32.82	H	-3.61	PASS
6059.250	---	34.74	54.00	-19.26	H	-1.97	PASS
6410.250	42.76	---	74.00	-31.24	H	-1.61	PASS
9462.750	---	31.48	54.00	-22.52	H	1.79	PASS
9493.500	39.92	---	74.00	-34.08	H	1.54	PASS
11685.000	---	35.49	54.00	-18.51	H	3.90	PASS
11973.000	43.16	---	74.00	-30.84	H	3.73	PASS
14343.000	---	37.13	54.00	-16.87	H	8.86	PASS
14517.750	45.10	---	74.00	-28.90	H	8.12	PASS
16057.500	---	41.03	54.00	-12.97	H	11.54	PASS
16324.500	48.17	---	74.00	-25.83	H	11.81	PASS



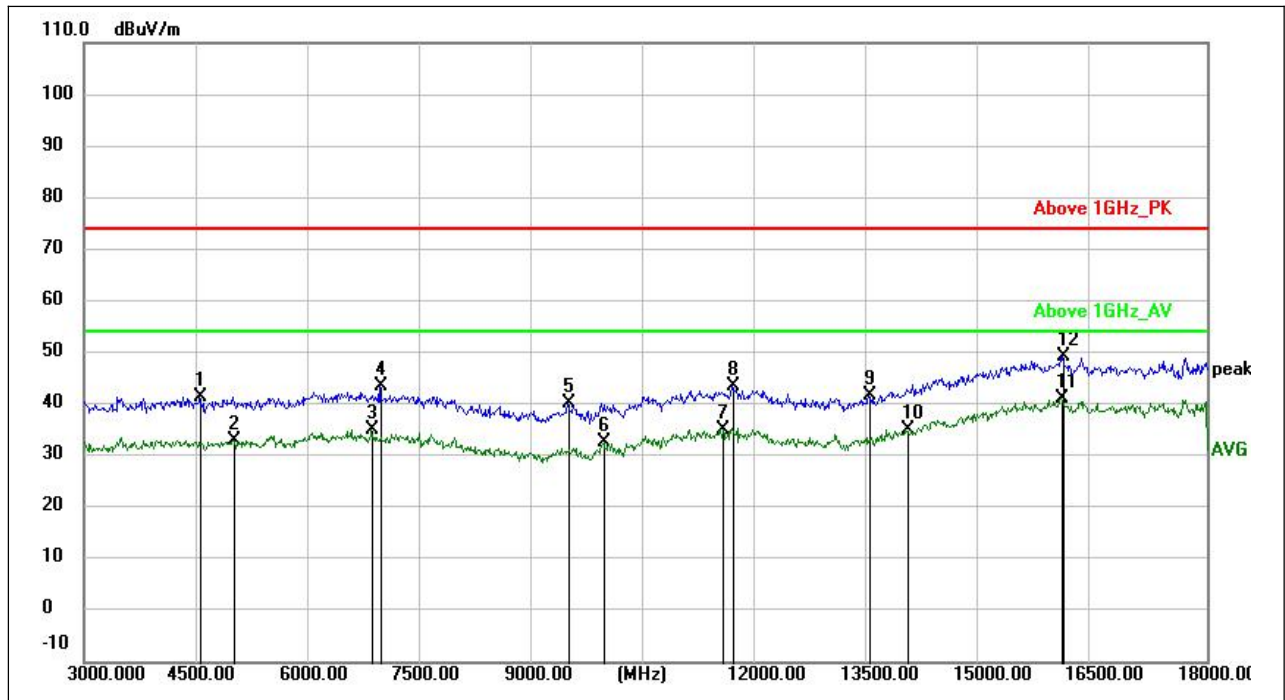
($\pi/4$ -DQPSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
30.5146	23.98	40.00	-16.02	V	12.98	PASS
57.6849	23.30	40.00	-16.70	V	14.36	PASS
143.7791	19.02	43.50	-24.48	V	10.69	PASS
280.8597	26.58	46.00	-19.42	V	16.60	PASS
384.2012	25.81	46.00	-20.19	V	18.71	PASS
937.6811	32.54	46.00	-13.46	V	28.30	PASS



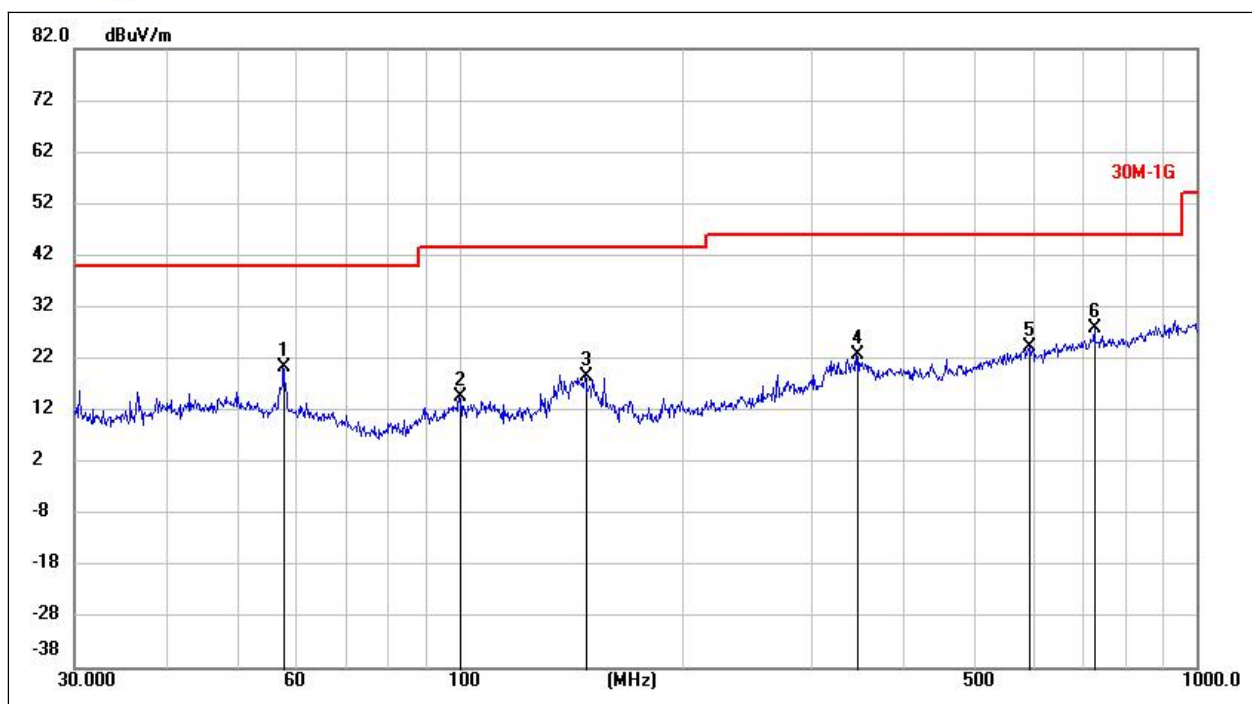
($\pi/4$ -DQPSK_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1098.967	---	32.13	54.00	-21.87	V	29.07	PASS
1106.904	40.13	---	74.00	-33.87	V	29.02	PASS
1351.236	---	33.82	54.00	-20.18	V	31.04	PASS
1363.239	42.73	---	74.00	-31.27	V	31.03	PASS
1599.621	---	36.32	54.00	-17.68	V	34.21	PASS
1603.756	45.23	---	74.00	-28.77	V	34.11	PASS
2010.288	---	39.93	54.00	-14.07	V	37.04	PASS
2017.368	48.37	---	74.00	-25.63	V	36.65	PASS
2441.256	99.83	---	---	---	V	40.81	PASS
2441.256	---	97.05	---	---	V	40.81	PASS
2862.518	56.68	---	74.00	-17.32	V	44.12	PASS
2862.518	---	47.45	54.00	-6.55	V	44.12	PASS



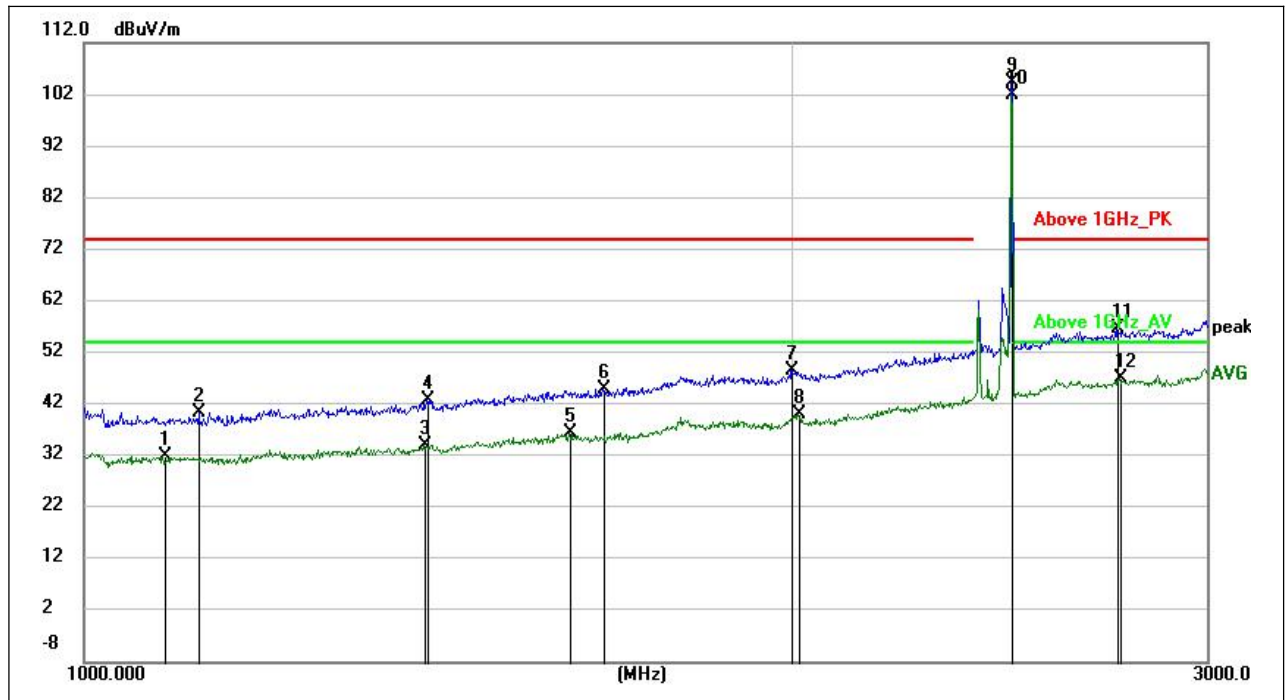
($\pi/4$ -DQPSK_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4554.750	41.37	---	74.00	-32.63	V	-3.89	PASS
5002.500	---	33.02	54.00	-20.98	V	-2.76	PASS
6847.500	---	35.20	54.00	-18.80	V	-0.97	PASS
6960.750	43.38	---	74.00	-30.62	V	-0.53	PASS
9477.750	40.16	---	74.00	-33.84	V	1.98	PASS
9951.000	---	32.64	54.00	-21.36	V	2.57	PASS
11529.750	---	35.00	54.00	-19.00	V	3.70	PASS
11664.000	43.46	---	74.00	-30.54	V	3.63	PASS
13499.250	41.61	---	74.00	-32.39	V	6.62	PASS
13997.250	---	35.00	54.00	-19.00	V	7.97	PASS
16055.250	---	40.98	54.00	-13.02	V	11.49	PASS
16083.000	49.38	---	74.00	-24.62	V	11.19	PASS



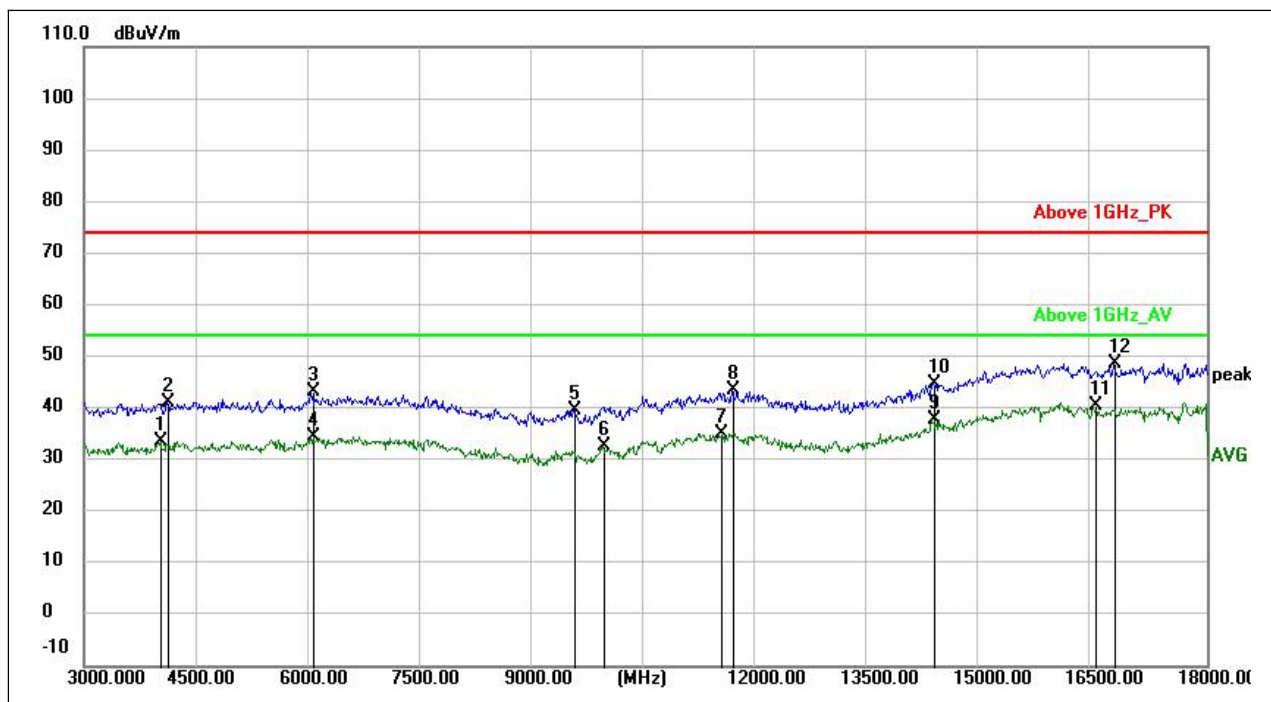
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
57.7051	20.36	40.00	-19.64	H	14.36	PASS
100.1934	14.63	43.50	-28.87	H	15.16	PASS
148.3370	18.68	43.50	-24.82	H	11.18	PASS
346.2624	22.75	46.00	-23.25	H	18.05	PASS
593.8821	24.15	46.00	-21.85	H	23.51	PASS
728.9747	27.91	46.00	-18.09	H	25.33	PASS



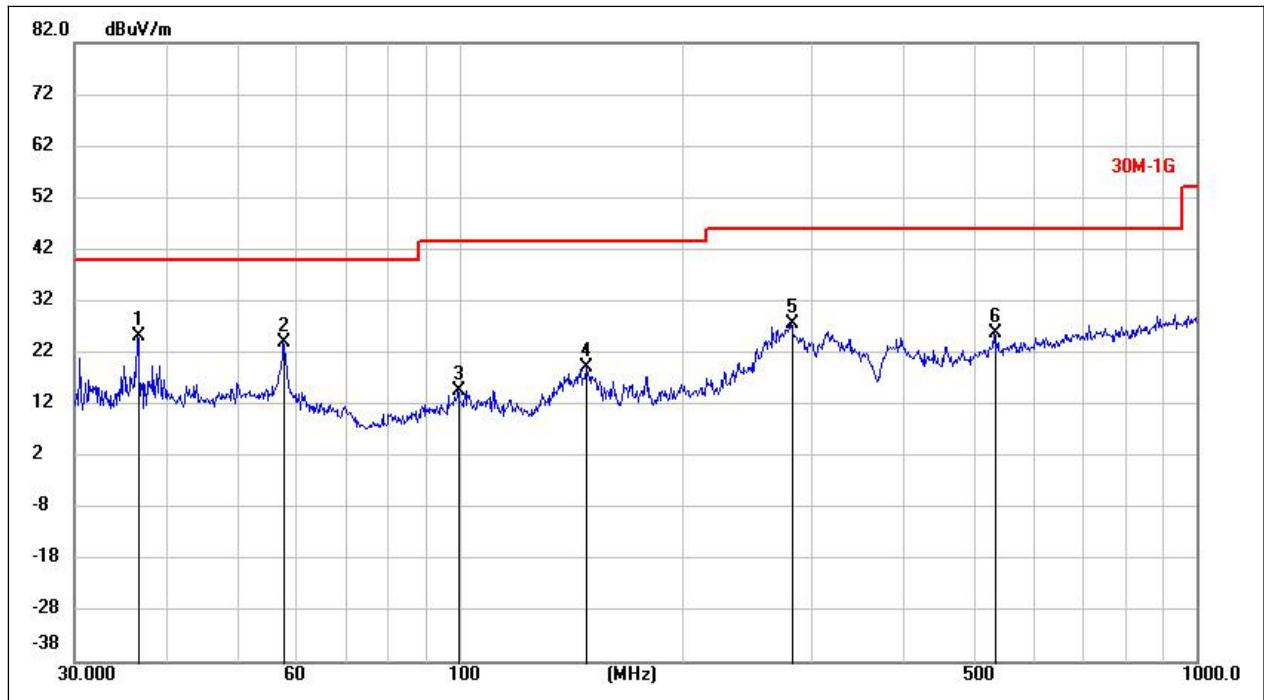
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1081.778	---	31.83	54.00	-22.17	H	28.87	PASS
1119.746	40.49	---	74.00	-33.51	H	28.92	PASS
1395.209	---	33.94	54.00	-20.06	H	31.81	PASS
1398.970	42.87	---	74.00	-31.13	H	31.96	PASS
1607.725	---	36.51	54.00	-17.49	H	33.97	PASS
1663.514	45.01	---	74.00	-28.99	H	33.70	PASS
2000.044	48.57	---	74.00	-25.43	H	37.11	PASS
2012.277	---	39.99	54.00	-14.01	H	36.93	PASS
2480.047	104.32	---	---	---	H	41.77	PASS
2480.047	---	101.78	---	---	H	41.77	PASS
2747.739	56.55	---	74.00	-17.45	H	43.57	PASS
2758.021	---	47.13	54.00	-6.87	H	43.72	PASS



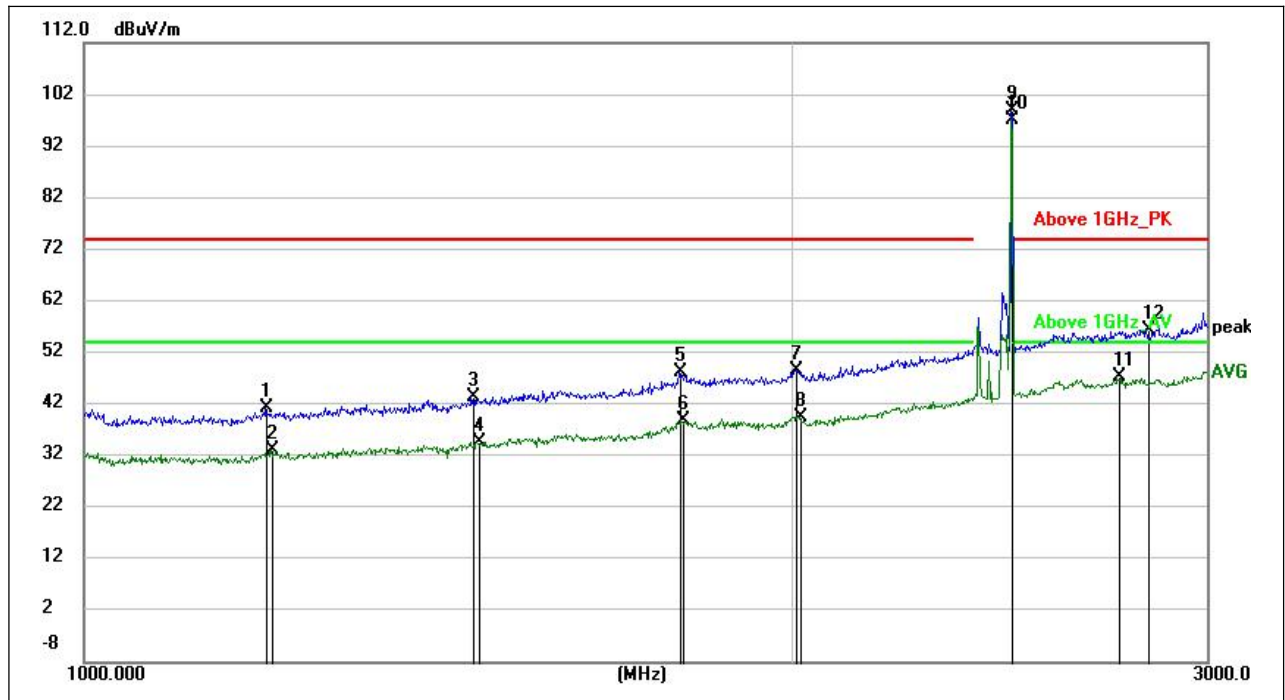
($\pi/4$ -DQPSK_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4028.250	---	33.48	54.00	-20.52	H	-5.00	PASS
4115.250	41.05	---	74.00	-32.95	H	-4.29	PASS
6047.250	43.13	---	74.00	-30.87	H	-2.02	PASS
6061.500	---	34.45	54.00	-19.55	H	-1.98	PASS
9549.000	39.70	---	74.00	-34.30	H	2.24	PASS
9953.250	---	32.59	54.00	-21.41	H	2.04	PASS
11508.750	---	35.19	54.00	-18.81	H	3.49	PASS
11672.250	43.40	---	74.00	-30.60	H	3.73	PASS
14344.500	---	37.81	54.00	-16.19	H	8.89	PASS
14362.500	44.65	---	74.00	-29.35	H	9.26	PASS
16512.000	---	40.39	54.00	-13.61	H	10.81	PASS
16764.000	48.65	---	74.00	-25.35	H	11.63	PASS



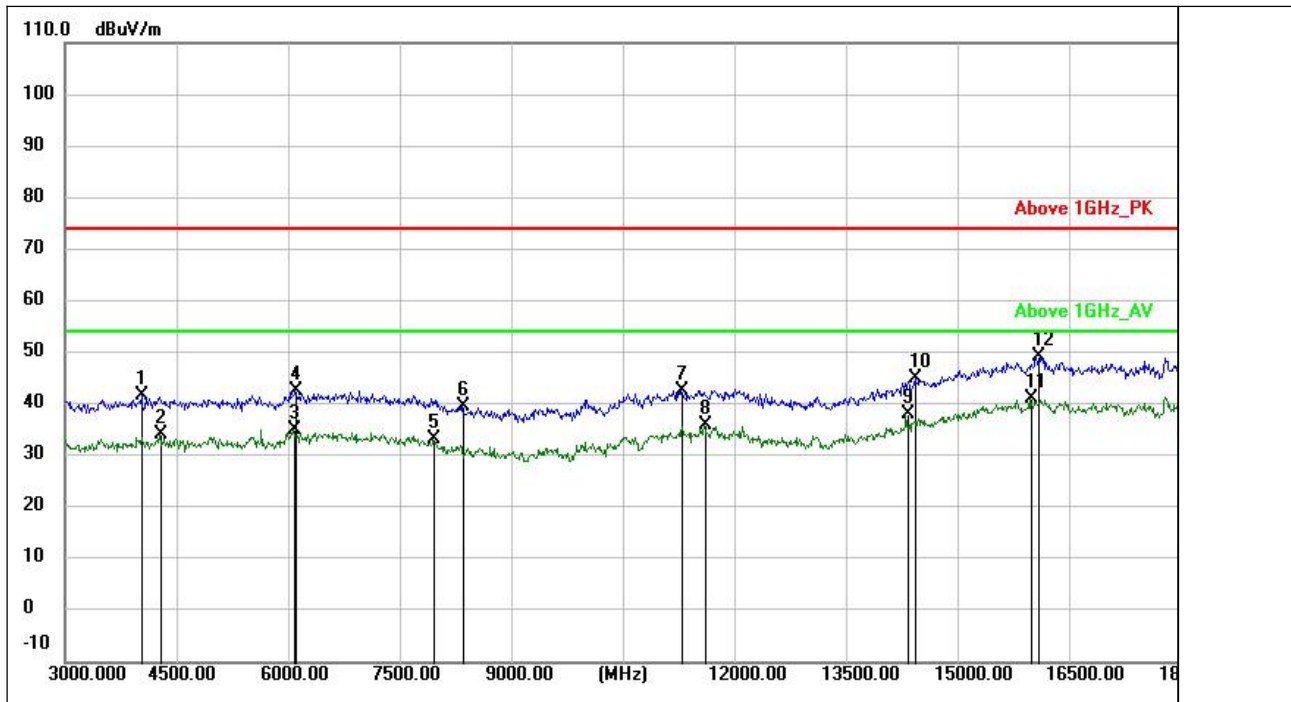
($\pi/4$ -DQPSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.6182	25.20	40.00	-14.80	V	13.38	PASS
57.7557	24.08	40.00	-15.92	V	14.34	PASS
99.6329	14.57	43.50	-28.93	V	14.89	PASS
148.9363	19.00	43.50	-24.50	V	11.39	PASS
282.5390	27.47	46.00	-18.53	V	16.31	PASS
532.5234	25.77	46.00	-20.23	V	22.23	PASS



($\pi/4$ -DQPSK_2480MHz, Antenna Vertical , 1GHz to 3GHz)

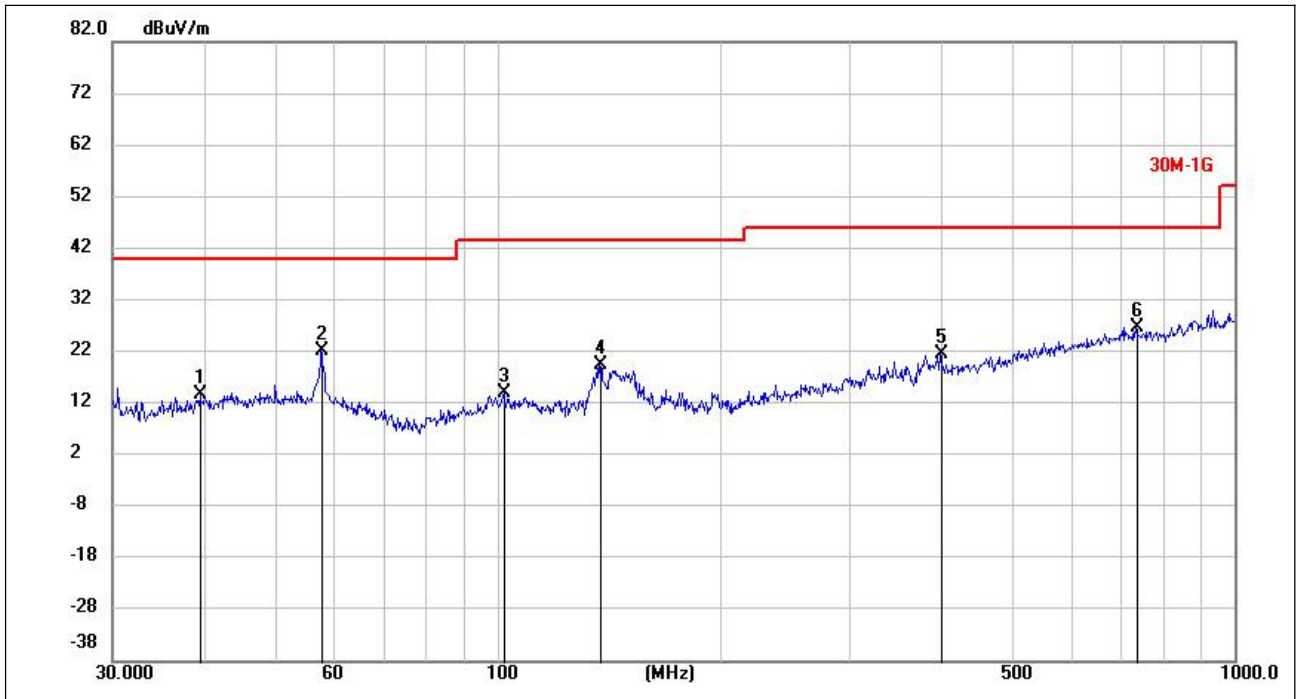
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1195.715	41.42	---	74.00	-32.58	V	30.39	PASS
1202.499	---	33.03	54.00	-20.97	V	30.58	PASS
1463.263	43.55	---	74.00	-30.45	V	32.22	PASS
1471.404	---	34.69	54.00	-19.31	V	32.42	PASS
1793.040	48.33	---	74.00	-25.67	V	36.17	PASS
1796.293	---	38.95	54.00	-15.05	V	36.51	PASS
2007.529	48.65	---	74.00	-25.35	V	37.19	PASS
2014.931	---	39.60	54.00	-14.40	V	36.79	PASS
2479.911	98.85	---	---	---	V	41.77	PASS
2479.911	---	97.09	---	---	V	41.77	PASS
2751.666	---	47.37	54.00	-6.63	V	43.68	PASS
2830.464	56.51	---	74.00	-17.49	V	43.17	PASS



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

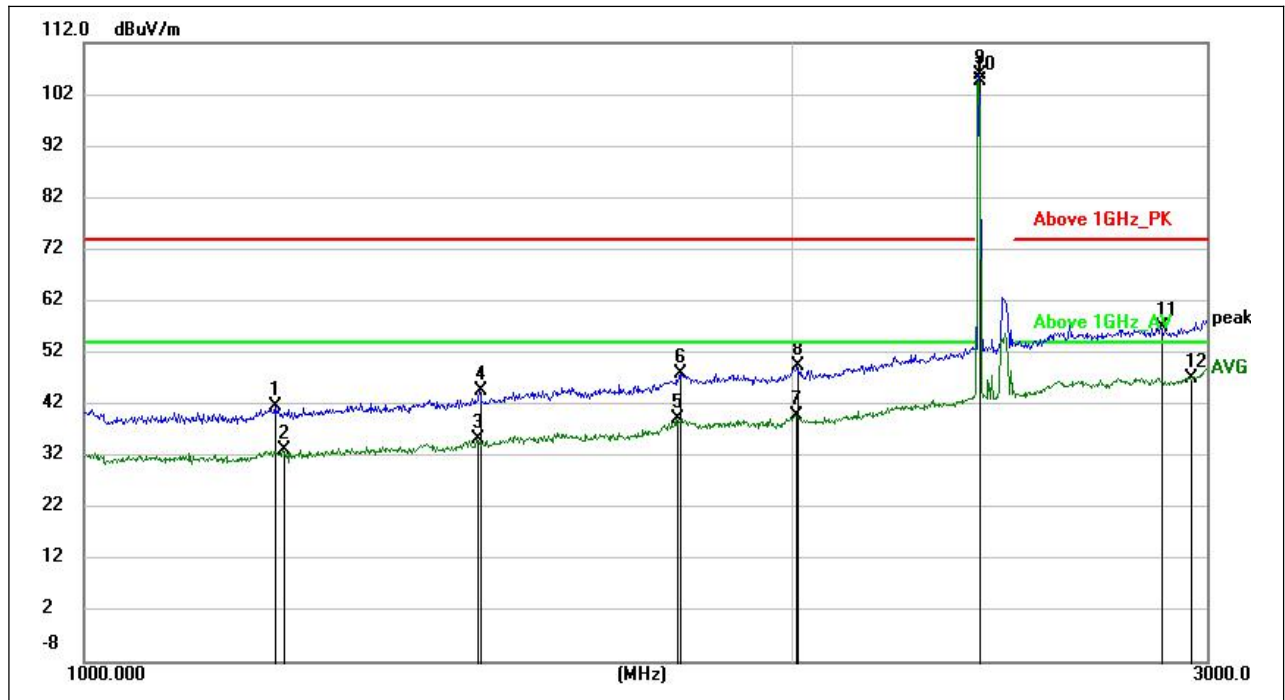
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4028.250	41.70	---	74.00	-32.30	V	-3.83	PASS
4270.500	---	34.26	54.00	-19.74	V	-3.45	PASS
6059.250	---	35.02	54.00	-18.98	V	-0.92	PASS
6084.750	42.60	---	74.00	-31.40	V	-1.29	PASS
7924.500	---	33.31	54.00	-20.69	V	0.93	PASS
8310.750	39.61	---	74.00	-34.39	V	0.81	PASS
11240.250	42.66	---	74.00	-31.34	V	3.13	PASS
11545.500	---	36.12	54.00	-17.88	V	3.55	PASS
14251.500	---	37.97	54.00	-16.03	V	8.47	PASS
14364.750	45.12	---	74.00	-28.88	V	9.31	PASS
15903.000	---	40.99	54.00	-13.01	V	10.87	PASS
15991.500	49.35	---	74.00	-24.65	V	11.54	PASS

8-DPSK Test mode



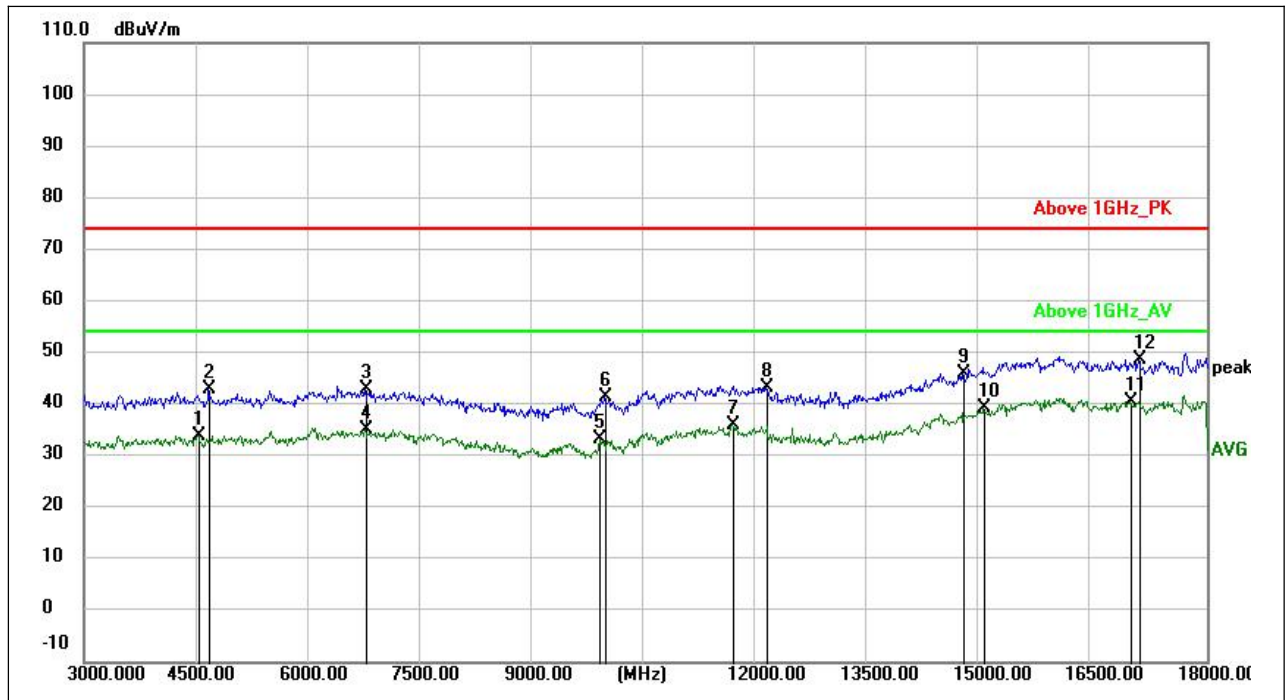
(8-DPSK_2402MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
39.4510	13.64	40.00	-26.36	H	14.87	PASS
57.7557	22.05	40.00	-17.95	H	14.34	PASS
102.2700	13.92	43.50	-29.58	H	14.61	PASS
137.7096	19.53	43.50	-23.97	H	11.45	PASS
399.5903	21.55	46.00	-24.45	H	19.74	PASS
736.8130	26.68	46.00	-19.32	H	25.72	PASS



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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1206.469	41.53	---	74.00	-32.47	H	30.38	PASS
1216.986	---	33.26	54.00	-20.74	H	29.94	PASS
1470.354	---	35.14	54.00	-18.86	H	32.39	PASS
1473.669	44.53	---	74.00	-29.47	H	32.42	PASS
1787.533	---	39.05	54.00	-14.95	H	35.61	PASS
1793.335	47.82	---	74.00	-26.18	H	36.21	PASS
2008.522	---	39.69	54.00	-14.31	H	37.14	PASS
2010.398	49.35	---	74.00	-24.65	H	37.03	PASS
2402.147	105.69	---	---	---	H	41.60	PASS
2402.147	---	104.66	---	---	H	41.60	PASS
2870.706	57.01	---	74.00	-16.99	H	44.23	PASS
2951.778	---	47.15	54.00	-6.85	H	44.62	PASS



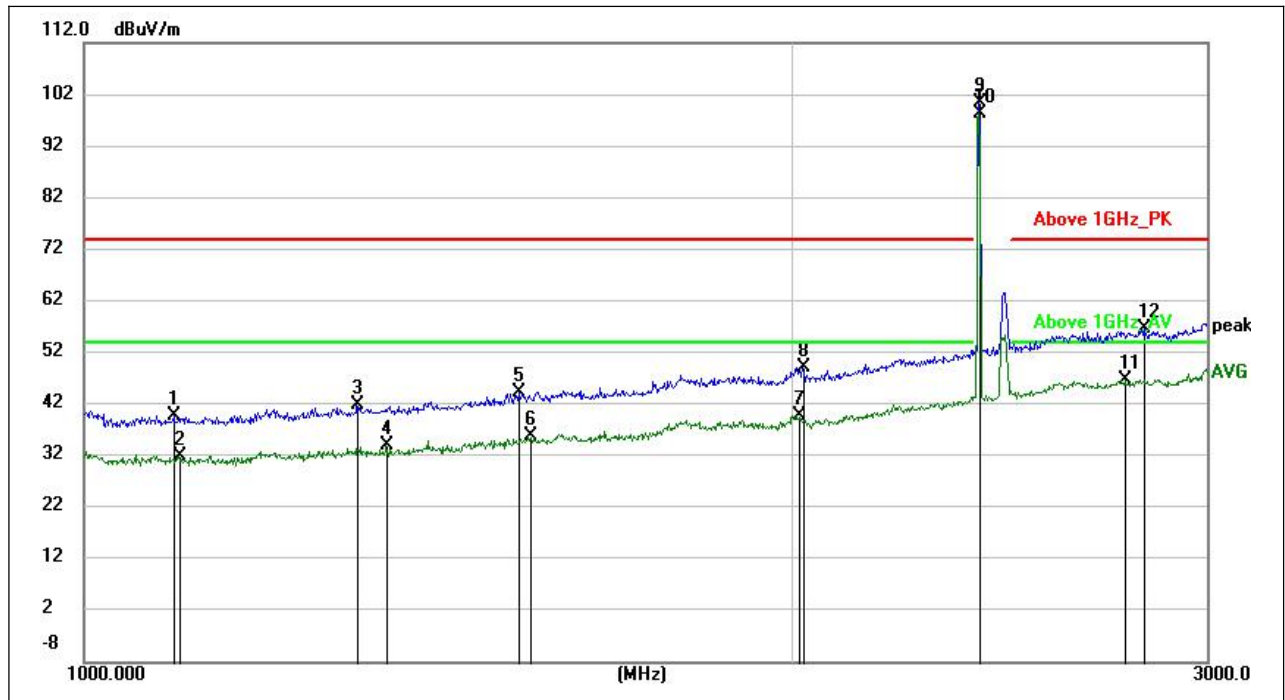
(8-DPSK_2402MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4544.250	---	33.98	54.00	-20.02	H	-4.07	PASS
4673.250	42.79	---	74.00	-31.21	H	-3.74	PASS
6761.250	42.79	---	74.00	-31.21	H	-1.18	PASS
6761.250	---	34.97	54.00	-19.03	H	-1.18	PASS
9900.000	---	33.13	54.00	-20.87	H	2.07	PASS
9975.000	41.42	---	74.00	-32.58	H	1.98	PASS
11676.750	---	36.00	54.00	-18.00	H	3.79	PASS
12112.500	43.35	---	74.00	-30.65	H	3.87	PASS
14755.500	46.05	---	74.00	-27.95	H	9.00	PASS
15022.500	---	39.16	54.00	-14.84	H	10.80	PASS
16983.750	---	40.53	54.00	-13.47	H	11.18	PASS
17088.750	48.73	---	74.00	-25.27	H	11.66	PASS



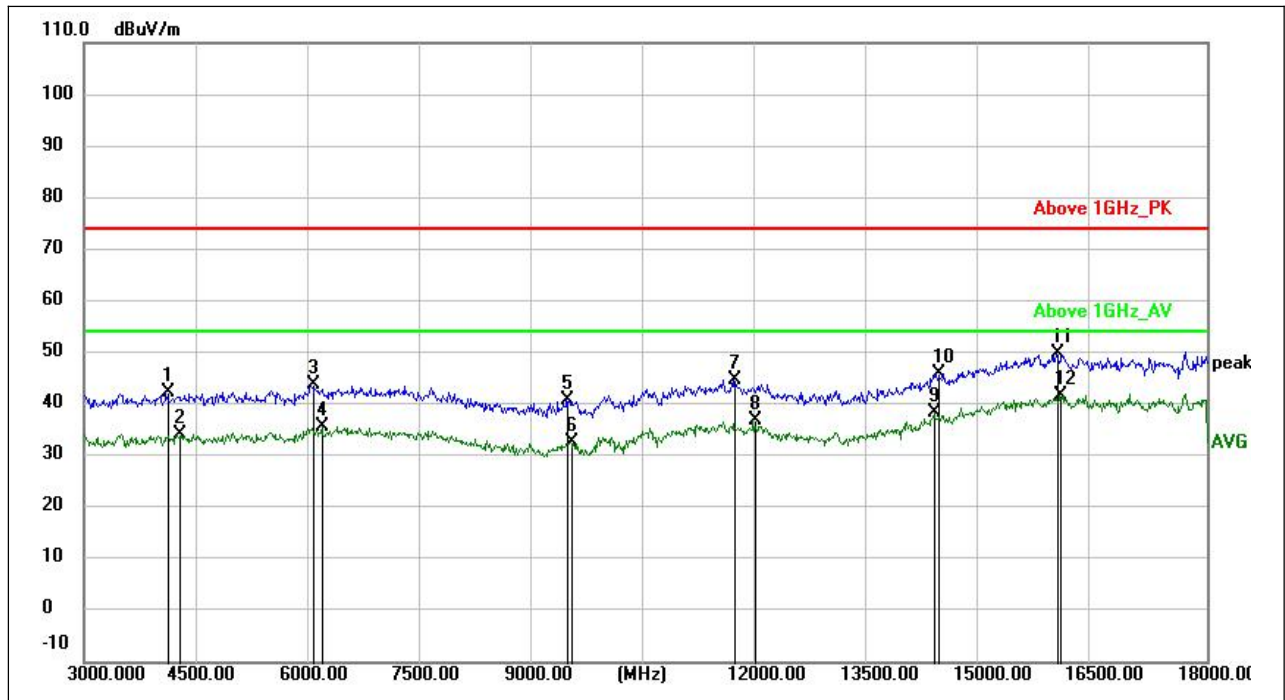
(8-DPSK_2402MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.7146	27.33	40.00	-12.67	V	13.44	PASS
57.6950	23.85	40.00	-16.15	V	14.36	PASS
144.8926	20.91	43.50	-22.59	V	10.27	PASS
281.9452	27.30	46.00	-18.70	V	16.43	PASS
379.9141	26.18	46.00	-19.82	V	19.19	PASS
716.9334	26.59	46.00	-19.41	V	25.00	PASS



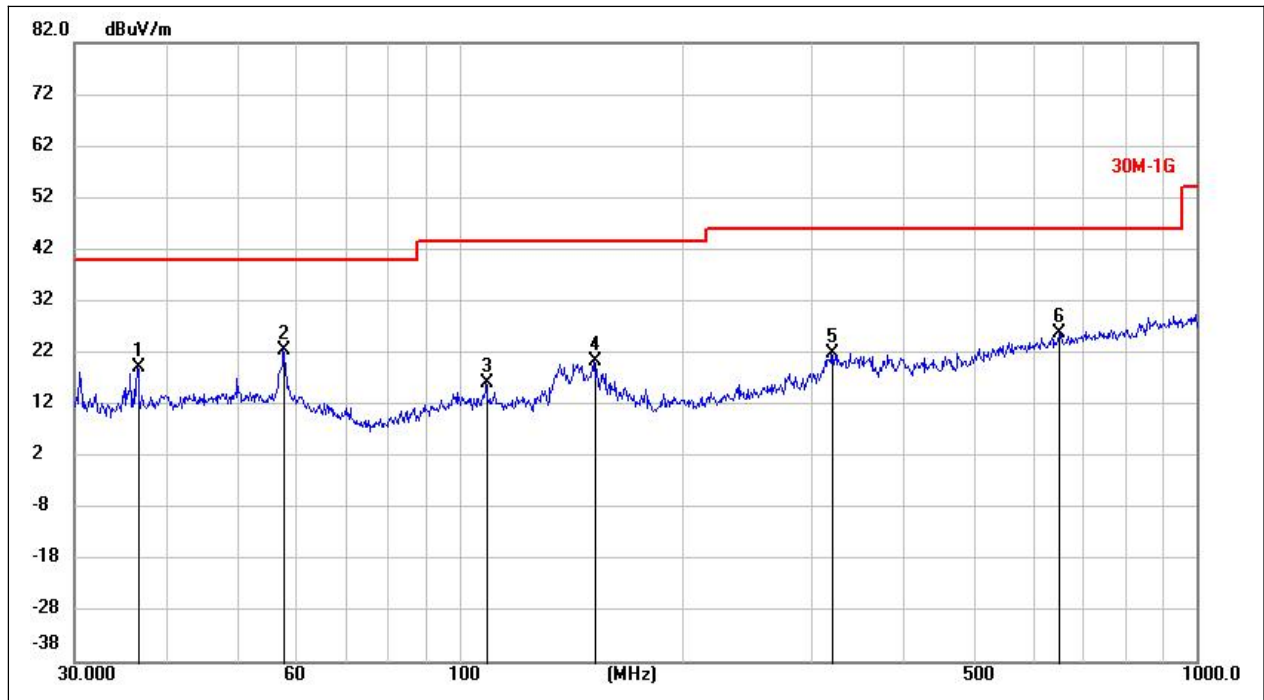
(8-DPSK_2402MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1092.767	39.72	---	74.00	-34.28	V	29.07	PASS
1098.183	---	32.02	54.00	-21.98	V	29.07	PASS
1306.853	41.93	---	74.00	-32.07	V	30.77	PASS
1344.498	---	34.14	54.00	-19.86	V	30.99	PASS
1531.185	44.30	---	74.00	-29.70	V	32.96	PASS
1547.249	---	35.99	54.00	-18.01	V	33.31	PASS
2012.166	---	39.76	54.00	-14.24	V	36.94	PASS
2021.361	49.17	---	74.00	-24.83	V	36.52	PASS
2402.147	100.30	---	---	---	V	41.60	PASS
2402.147	---	98.24	---	---	V	41.60	PASS
2769.864	---	46.80	54.00	-7.20	V	43.32	PASS
2822.546	56.74	---	74.00	-17.26	V	43.06	PASS



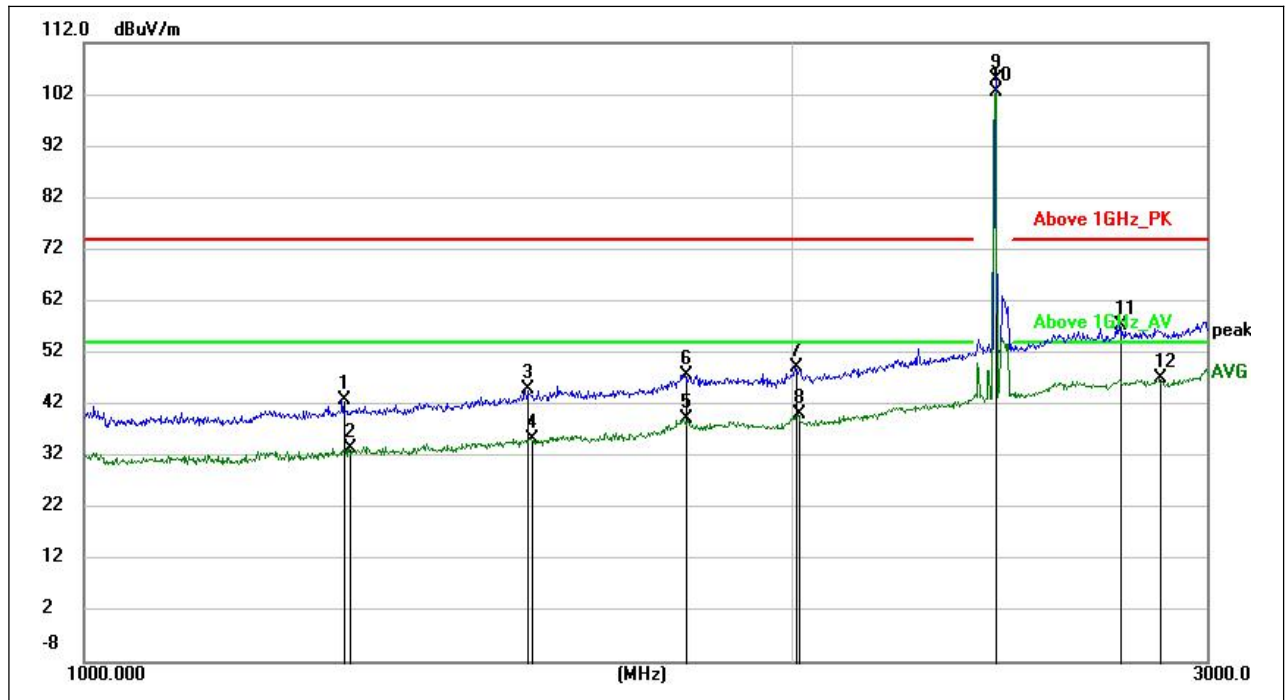
(8-DPSK_2402MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4112.250	42.22	---	74.00	-31.78	V	-4.30	PASS
4266.750	---	34.16	54.00	-19.84	V	-3.49	PASS
6057.750	43.75	---	74.00	-30.25	V	-0.89	PASS
6192.750	---	35.77	54.00	-18.23	V	-1.44	PASS
9456.000	40.70	---	74.00	-33.30	V	2.06	PASS
9499.500	---	32.59	54.00	-21.41	V	1.92	PASS
11686.500	44.83	---	74.00	-29.17	V	3.92	PASS
11956.500	---	36.85	54.00	-17.15	V	4.32	PASS
14364.750	---	38.26	54.00	-15.74	V	9.31	PASS
14404.500	45.90	---	74.00	-28.10	V	9.43	PASS
16002.750	49.78	---	74.00	-24.22	V	11.67	PASS
16047.750	---	41.79	54.00	-12.21	V	11.57	PASS



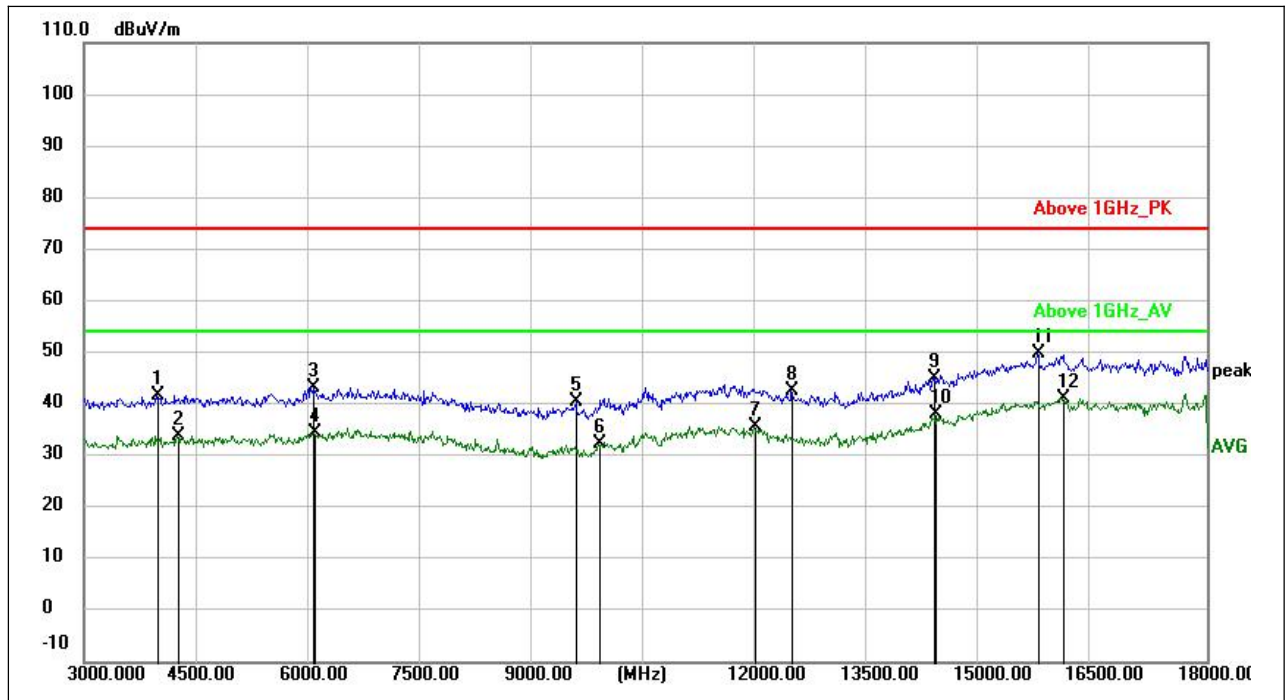
(8-DPSK_2440MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.6246	19.15	40.00	-20.85	H	13.39	PASS
57.7557	22.57	40.00	-17.43	H	14.34	PASS
108.7423	16.26	43.50	-27.24	H	14.71	PASS
152.4769	20.46	43.50	-23.04	H	11.07	PASS
320.2737	21.85	46.00	-24.15	H	17.97	PASS
651.9417	25.68	46.00	-20.32	H	24.15	PASS



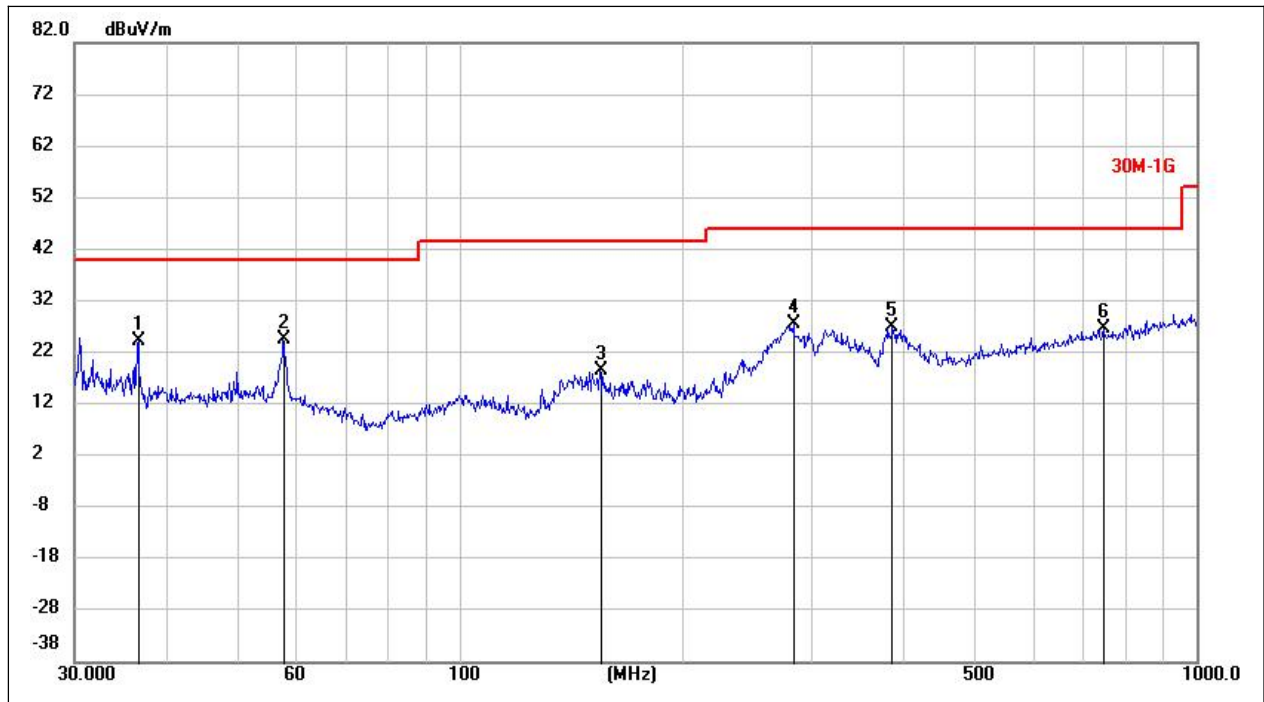
(8-DPSK_2440MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1289.383	42.73	---	74.00	-31.27	H	30.65	PASS
1297.055	---	33.34	54.00	-20.66	H	30.69	PASS
1542.412	44.88	---	74.00	-29.12	H	33.22	PASS
1549.461	---	35.25	54.00	-18.75	H	33.30	PASS
1800.145	---	39.30	54.00	-14.70	H	36.77	PASS
1802.025	47.69	---	74.00	-26.31	H	36.64	PASS
2005.986	49.07	---	74.00	-24.93	H	37.27	PASS
2013.161	---	40.02	54.00	-13.98	H	36.88	PASS
2440.988	104.94	---	---	---	H	40.81	PASS
2440.988	---	102.55	---	---	H	40.81	PASS
2758.021	57.21	---	74.00	-16.79	H	43.72	PASS
2864.720	---	46.96	54.00	-7.04	H	44.20	PASS



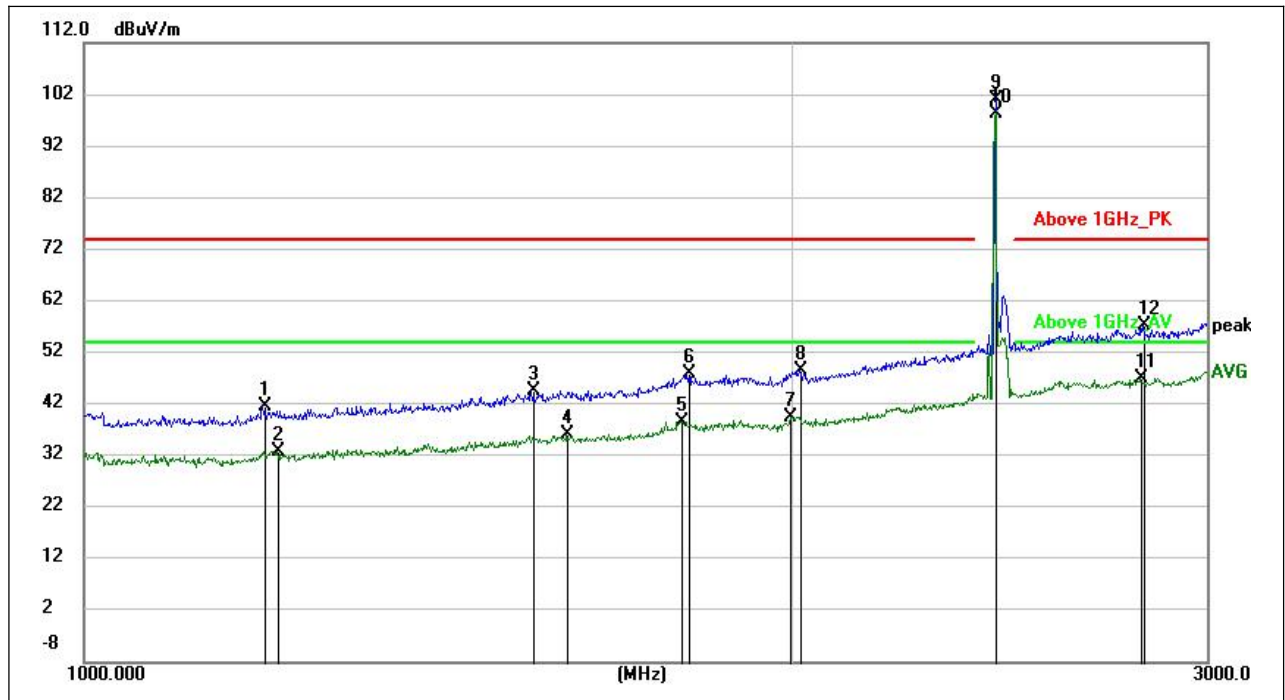
(8-DPSK_2440MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3987.000	41.64	---	74.00	-32.36	H	-5.71	PASS
4259.250	---	33.97	54.00	-20.03	H	-3.58	PASS
6045.750	43.31	---	74.00	-30.69	H	-2.04	PASS
6083.250	---	34.57	54.00	-19.43	H	-2.14	PASS
9576.000	40.44	---	74.00	-33.56	H	2.20	PASS
9886.500	---	32.23	54.00	-21.77	H	2.00	PASS
11957.250	---	35.75	54.00	-18.25	H	3.78	PASS
12462.000	42.52	---	74.00	-31.48	H	4.78	PASS
14358.750	44.96	---	74.00	-29.04	H	9.18	PASS
14384.250	---	37.97	54.00	-16.03	H	9.38	PASS
15740.250	49.73	---	74.00	-24.27	H	11.15	PASS
16088.250	---	41.19	54.00	-12.81	H	11.19	PASS



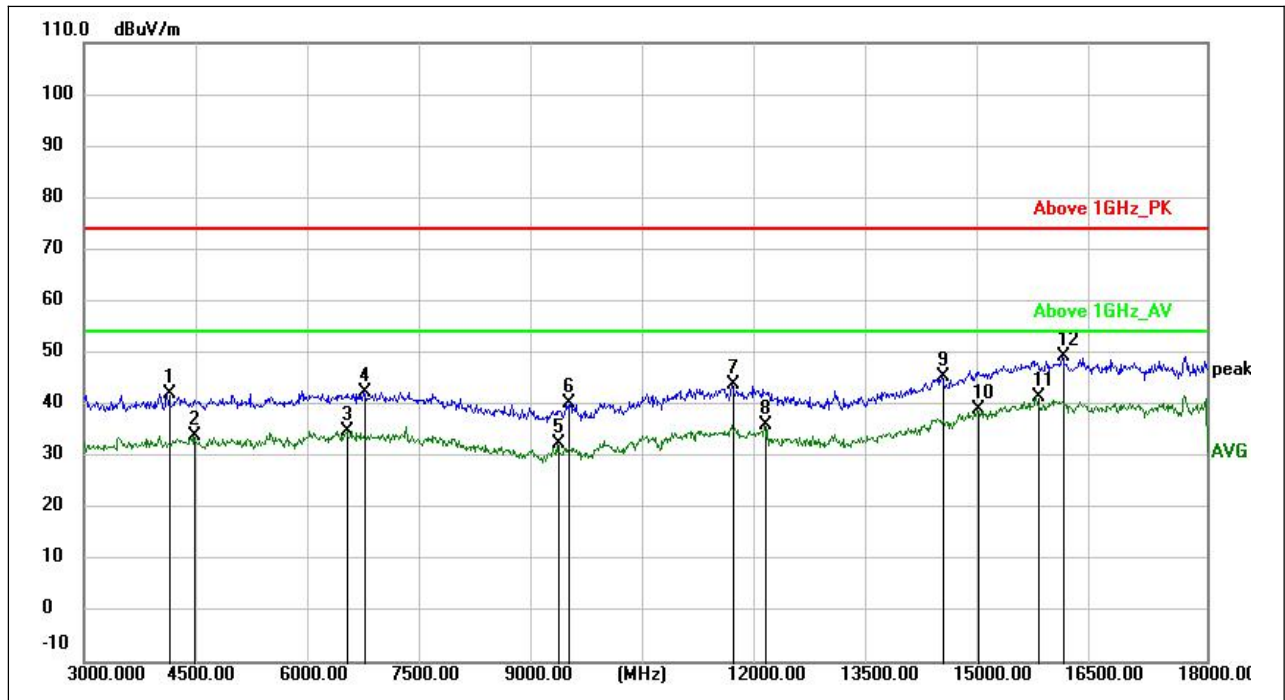
(8-DPSK_2440MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.7597	24.33	40.00	-15.67	V	13.46	PASS
57.6647	24.59	40.00	-15.41	V	14.37	PASS
154.9563	18.64	43.50	-24.86	V	10.62	PASS
284.9268	27.59	46.00	-18.41	V	15.67	PASS
386.6338	27.03	46.00	-18.97	V	18.43	PASS
749.7138	26.80	46.00	-19.20	V	25.99	PASS



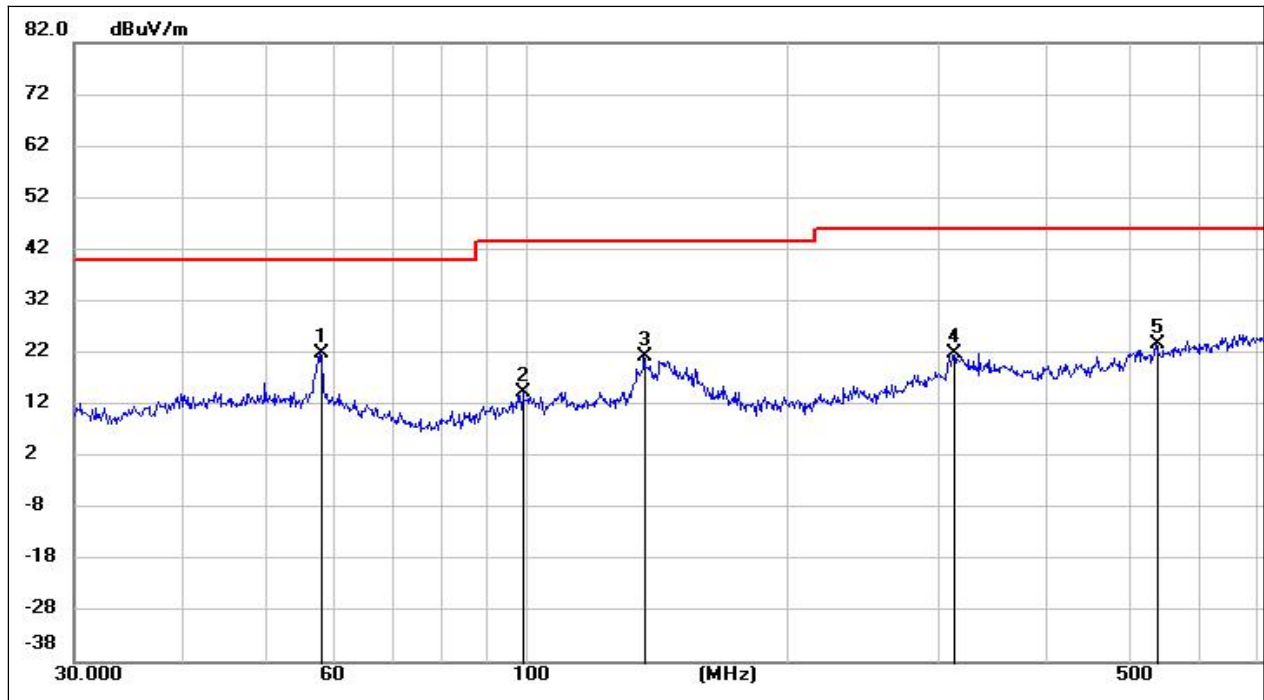
(8-DPSK_2440MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1192.566	41.57	---	74.00	-32.43	V	30.19	PASS
1209.189	---	32.94	54.00	-21.06	V	30.26	PASS
1550.482	44.59	---	74.00	-29.41	V	33.29	PASS
1604.020	---	36.17	54.00	-17.83	V	34.10	PASS
1795.898	---	38.71	54.00	-15.29	V	36.47	PASS
1806.485	47.80	---	74.00	-26.20	V	36.34	PASS
1997.409	---	39.60	54.00	-14.40	V	36.92	PASS
2015.817	48.57	---	74.00	-25.43	V	36.74	PASS
2441.256	100.90	---	---	---	V	40.81	PASS
2441.256	---	98.21	---	---	V	40.81	PASS
2812.486	---	46.99	54.00	-7.01	V	43.66	PASS
2820.996	57.18	---	74.00	-16.82	V	43.05	PASS



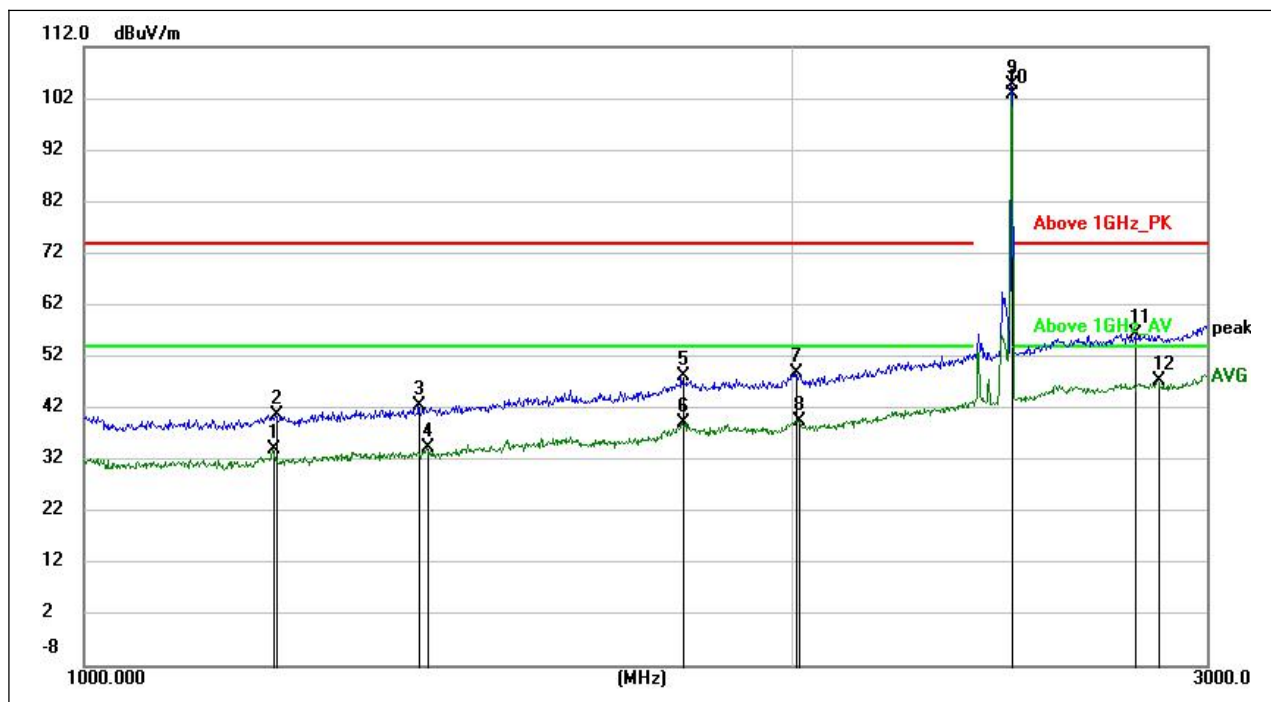
(8-DPSK_2440MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
4125.750	42.09	---	74.00	-31.91	V	-4.27	PASS
4485.000	---	33.98	54.00	-20.02	V	-3.44	PASS
6521.250	---	34.85	54.00	-19.15	V	-0.51	PASS
6744.750	42.45	---	74.00	-31.55	V	-1.11	PASS
9336.750	---	32.25	54.00	-21.75	V	1.68	PASS
9465.750	40.22	---	74.00	-33.78	V	2.02	PASS
11667.000	43.84	---	74.00	-30.16	V	3.67	PASS
12104.250	---	36.03	54.00	-17.97	V	4.26	PASS
14475.750	45.19	---	74.00	-28.81	V	8.85	PASS
14954.250	---	39.03	54.00	-14.97	V	9.60	PASS
15735.750	---	41.45	54.00	-12.55	V	11.25	PASS
16085.250	49.12	---	74.00	-24.88	V	11.17	PASS



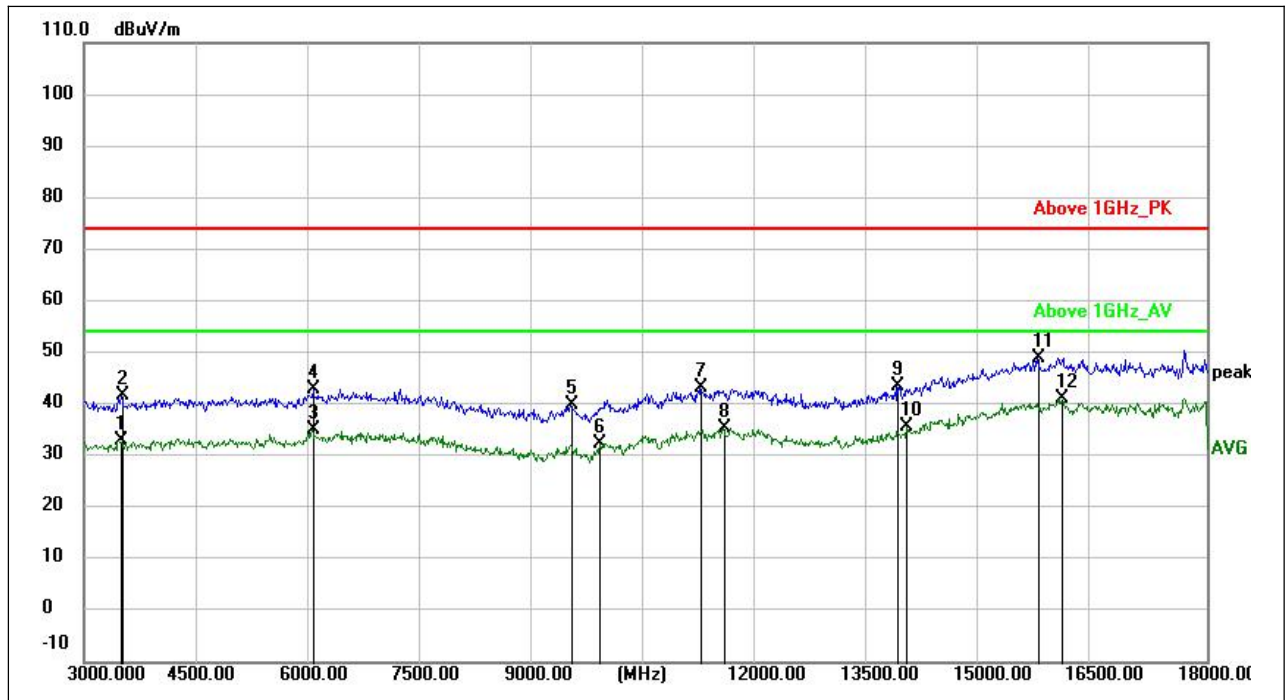
(8-DPSK_2480MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
57.8064	21.76	40.00	-18.24	H	14.33	PASS
99.4409	14.21	43.50	-29.29	H	14.74	PASS
137.0353	21.13	43.50	-22.37	H	11.19	PASS
313.2211	21.70	46.00	-24.30	H	16.84	PASS
537.2122	23.74	46.00	-22.26	H	22.41	PASS
937.6811	30.11	46.00	-15.89	H	28.30	PASS



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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1203.424	---	33.96	54.00	-20.04	H	30.53	PASS
1207.928	40.76	---	74.00	-33.24	H	30.31	PASS
1388.252	42.59	---	74.00	-31.41	H	31.51	PASS
1399.200	---	34.28	54.00	-19.72	H	31.97	PASS
1796.096	48.11	---	74.00	-25.89	H	36.49	PASS
1796.589	---	39.25	54.00	-14.75	H	36.54	PASS
2007.970	48.69	---	74.00	-25.31	H	37.17	PASS
2013.161	---	39.58	54.00	-14.42	H	36.88	PASS
2480.047	104.67	---	---	---	H	41.77	PASS
2480.047	---	102.82	---	---	H	41.77	PASS
2798.924	56.36	---	74.00	-17.64	H	44.66	PASS
2862.675	---	47.38	54.00	-6.62	H	44.13	PASS



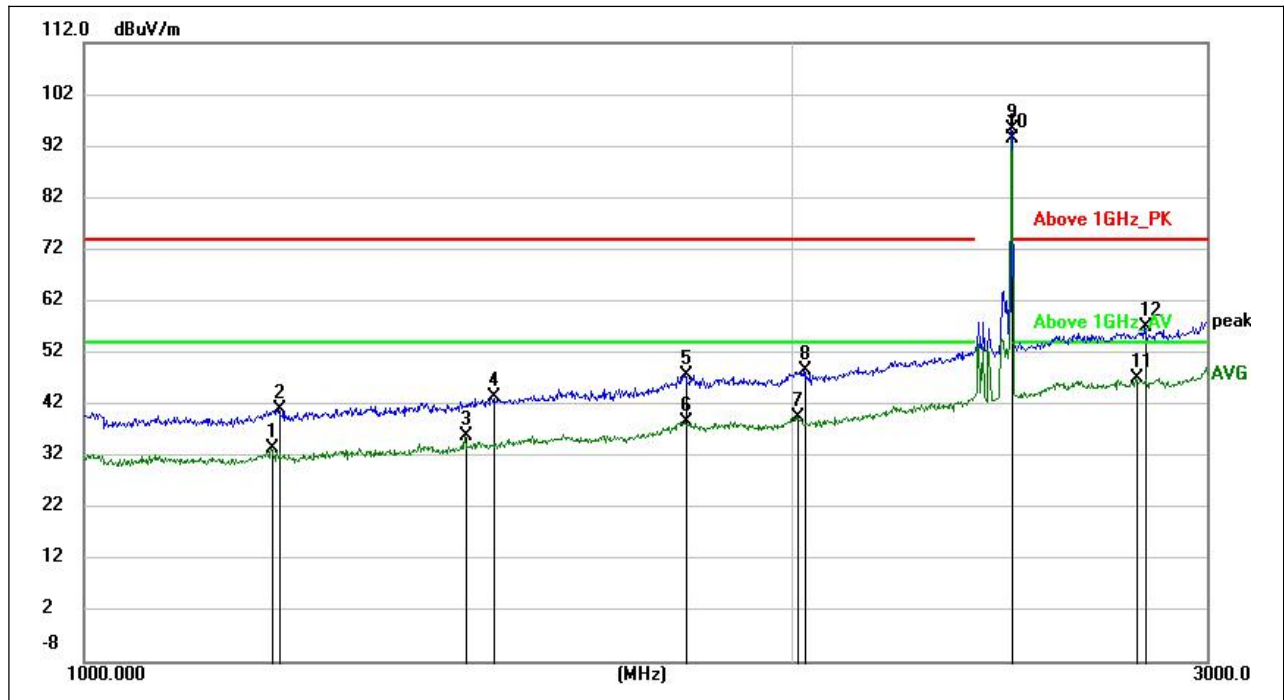
(8-DPSK_2480MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
3485.250	---	32.94	54.00	-21.06	H	-6.77	PASS
3512.250	41.58	---	74.00	-32.42	H	-6.95	PASS
6059.250	---	34.96	54.00	-19.04	H	-1.97	PASS
6060.750	42.98	---	74.00	-31.02	H	-1.98	PASS
9498.750	40.03	---	74.00	-33.97	H	1.51	PASS
9897.750	---	32.41	54.00	-21.59	H	2.06	PASS
11241.750	43.11	---	74.00	-30.89	H	3.12	PASS
11547.000	---	35.35	54.00	-18.65	H	3.33	PASS
13866.750	43.40	---	74.00	-30.60	H	7.33	PASS
13995.000	---	35.59	54.00	-18.41	H	8.06	PASS
15739.500	49.07	---	74.00	-24.93	H	11.17	PASS
16058.250	---	41.22	54.00	-12.78	H	11.53	PASS



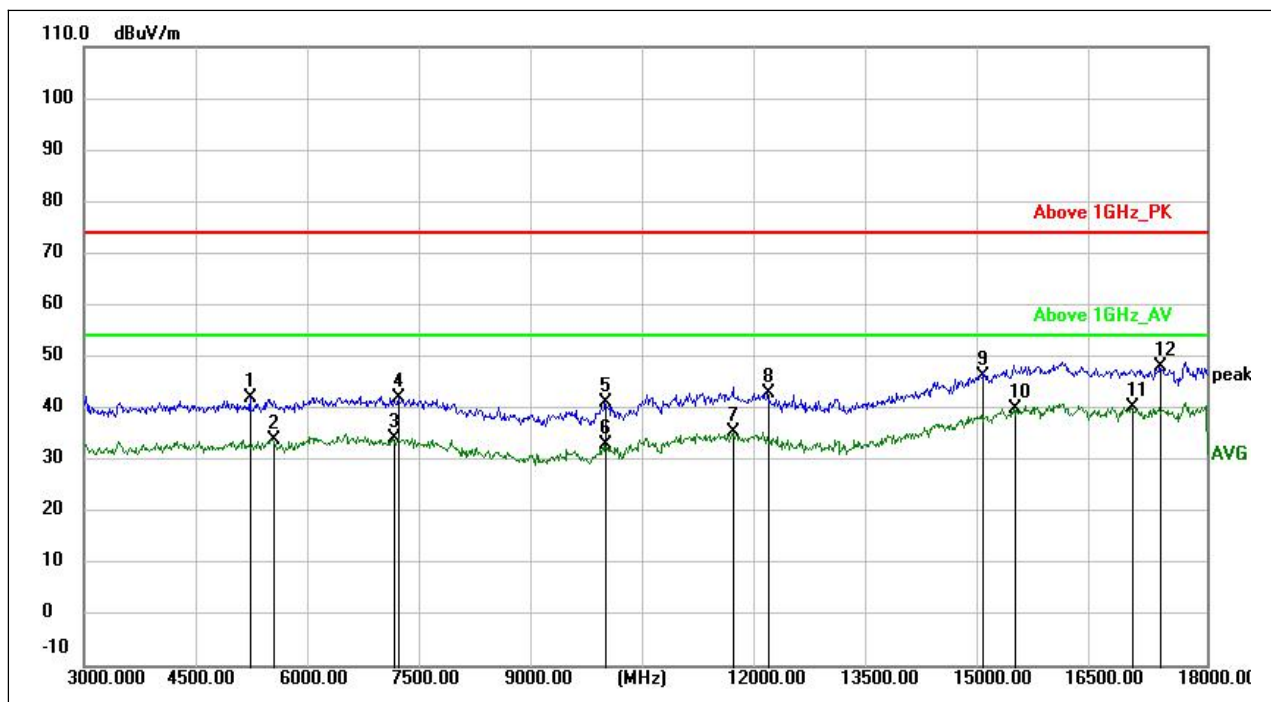
(8-DPSK_2480MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
36.7404	23.63	40.00	-16.37	V	13.45	PASS
57.6647	23.40	40.00	-16.60	V	14.37	PASS
145.1468	18.55	43.50	-24.95	V	10.29	PASS
277.7745	27.48	46.00	-18.52	V	16.15	PASS
582.8447	25.13	46.00	-20.87	V	23.07	PASS
937.6811	33.56	46.00	-12.44	V	28.30	PASS



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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
1201.707	---	33.48	54.00	-20.52	V	30.61	PASS
1211.117	40.90	---	74.00	-33.10	V	30.18	PASS
1452.532	---	35.96	54.00	-18.04	V	31.93	PASS
1492.160	43.44	---	74.00	-30.56	V	32.38	PASS
1800.442	47.62	---	74.00	-26.38	V	36.75	PASS
1802.124	---	38.65	54.00	-15.35	V	36.64	PASS
2009.184	---	39.61	54.00	-14.39	V	37.10	PASS
2023.472	48.58	---	74.00	-25.42	V	36.54	PASS
2480.047	95.28	---	---	---	V	41.77	PASS
2480.047	---	93.60	---	---	V	41.77	PASS
2799.385	---	46.99	54.00	-7.01	V	44.70	PASS
2824.717	57.05	---	74.00	-16.95	V	43.10	PASS



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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)	Verdict
5233.500	42.07	---	74.00	-31.93	V	-3.01	PASS
5531.250	---	33.79	54.00	-20.21	V	-2.13	PASS
7140.750	---	34.25	54.00	-19.75	V	-0.53	PASS
7214.250	42.14	---	74.00	-31.86	V	-0.40	PASS
9966.000	41.10	---	74.00	-32.90	V	2.58	PASS
9966.000	---	32.83	54.00	-21.17	V	2.58	PASS
11679.000	---	35.39	54.00	-18.61	V	3.82	PASS
12144.000	42.80	---	74.00	-31.20	V	4.12	PASS
14992.500	46.26	---	74.00	-27.74	V	10.32	PASS
15428.250	---	39.87	54.00	-14.13	V	10.39	PASS
17007.000	---	40.28	54.00	-13.72	V	12.94	PASS
17383.500	48.02	---	74.00	-25.98	V	13.35	PASS

Annex A Test Uncertainty

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

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

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



Annex B Testing Laboratory Information

1. 1. Identification of the Responsible Testing Laboratory

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

2. Identification of the Responsible Testing Location

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

3. Accreditation Certificate

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

4.1 Conducted Test Equipments

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

**4.2 Conducted Emission Test Equipments**

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

4.3 Auxiliary Test Equipment

No.	Equipment Name	Model No.	Brand Name	Manufacturer	Cal.Due Date
1	Computer	E75	Think Pad	Lenovo	N/A

4.4 List of Software Used

Description	Manufacturer	Software Version
Test system	CAICT	Eagle 2.0
EMC32	R&S	V10.00.00

4.5 Radiated Test Equipments

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Due Date
1	Anechoic Chamber	N/A	9m*6m*6m	ETS-Lindgren	2022.07.20
2	Receiver	101799	ESR7	R&S	2021.03.15
3	Signal Analyzer	101294	FSV40	R&S	2021.06.04
4	Active Ring Antenna	FMZB 1513 #269	FMZB 1513	Schwarzbeck	2022.01.18
5	Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2021.09.24
6	Ultra-Wideband Horn Antenna	102615	HF907	R&S	2022.01.18
7	Steatite Antennas	17868	QSH-SL-18 -26-S-20	Seibersdorf	2021.03.23
8	Ultra-Wideband Horn Antenna	17989	QSH-26-40	Schwarzbeck	2021.03.23
9	RF Switch and Control Platform	N/A	RSC	CDSI	N/A
10	Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2021.03.23
11	Coaxial cable (N male)	EMC03	N/A	Morlab	2021.03.23



	(9kHz -3GHz)				
12	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2021.03.23
13	Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	2021.03.23
14	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2021.03.23
15	Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2021.03.23
16	High Pass Filter	EMC21	HFP-1.0/18 G-60	CDSI	2021.03.23
17	High Pass Filter	EMC22	HFP-3.0/18 G-60	CDSI	2021.03.23

_____ END OF REPORT _____