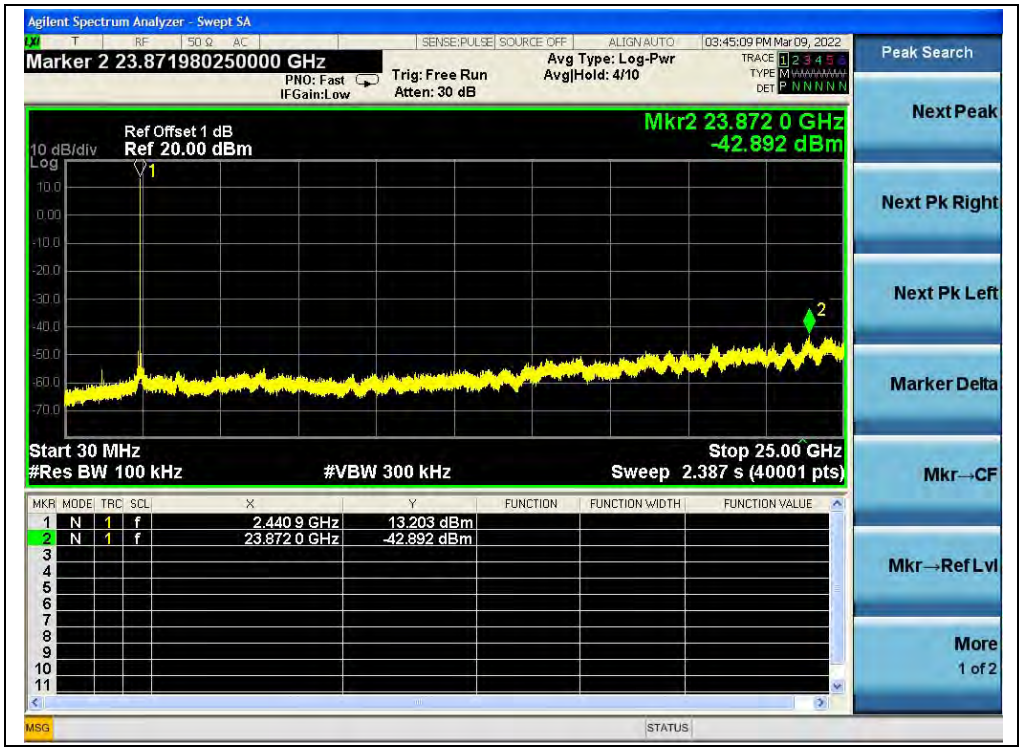
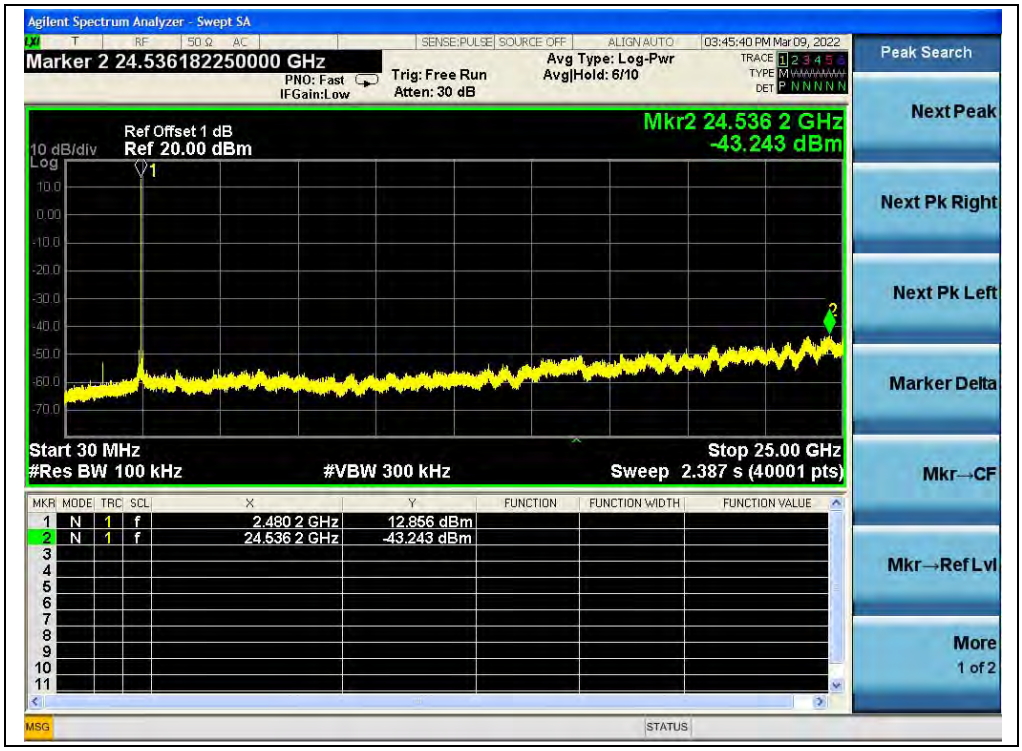
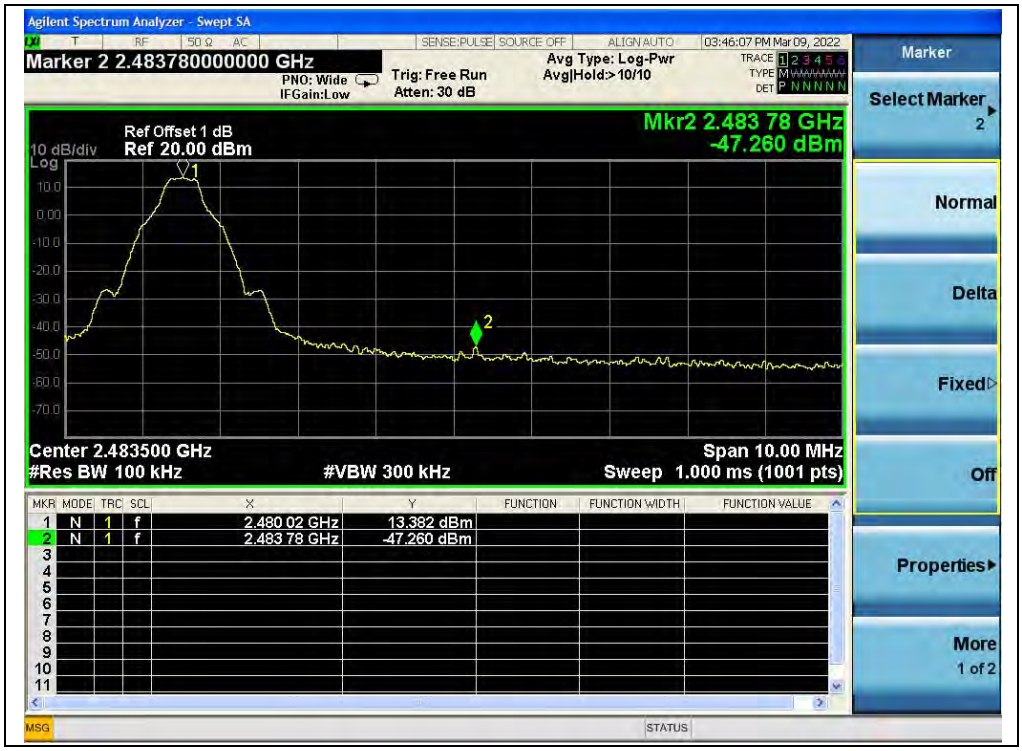


(30MHz to 25GHz, Channel 39, GFSK)



(30MHz to 25GHz, Channel 78, GFSK)



(Band edge, Channel 78, GFSK)

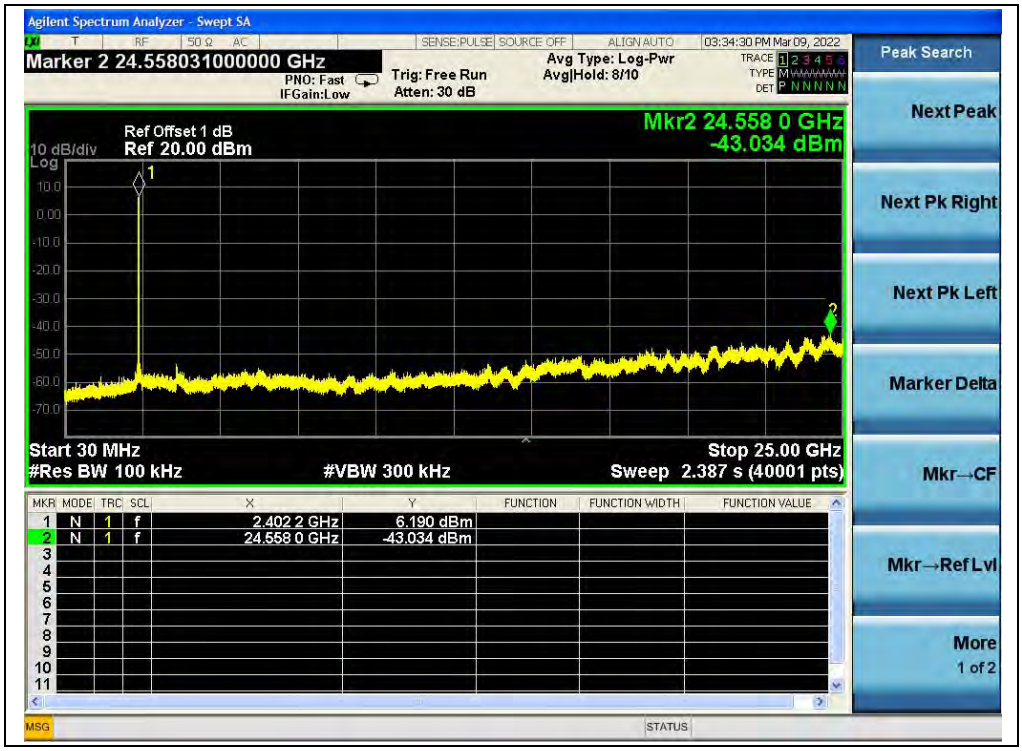
(Band edge with hopping on, Channel 78, GFSK)

π/4-DQPSK Mode

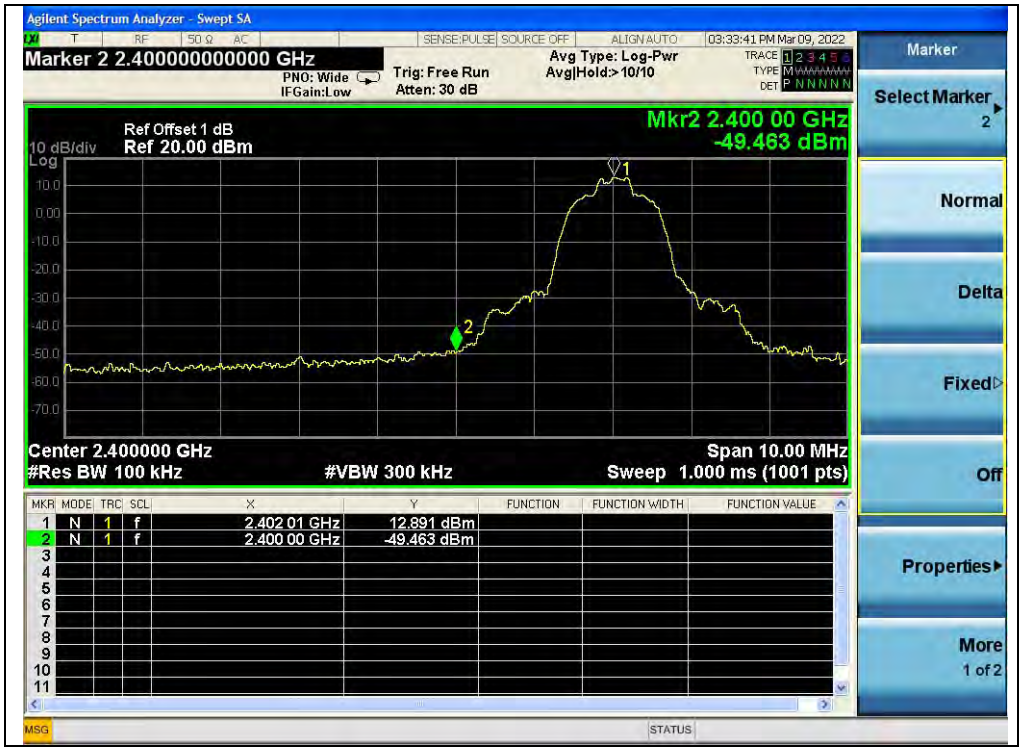
A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
0	2402	-43.03	6.19	-13.81	PASS
39	2441	-43.35	7.09	-12.91	PASS
78	2480	-42.46	7.29	-12.71	PASS

B. Test Plot:

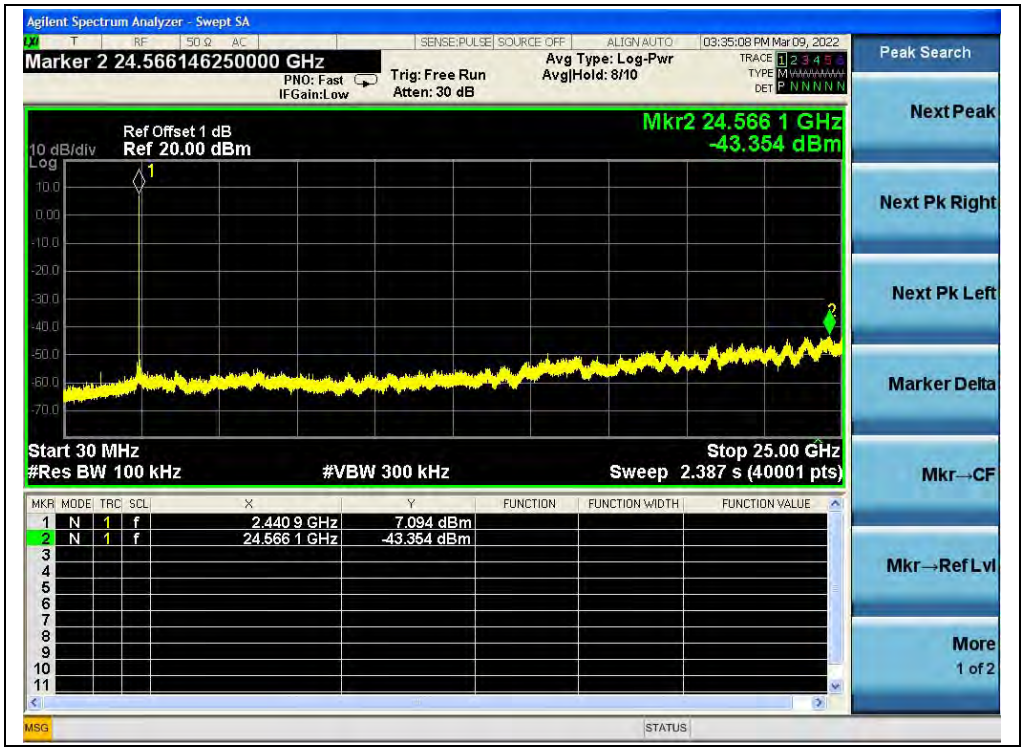


(30MHz to 25GHz, Channel 0, π/4-DQPSK)

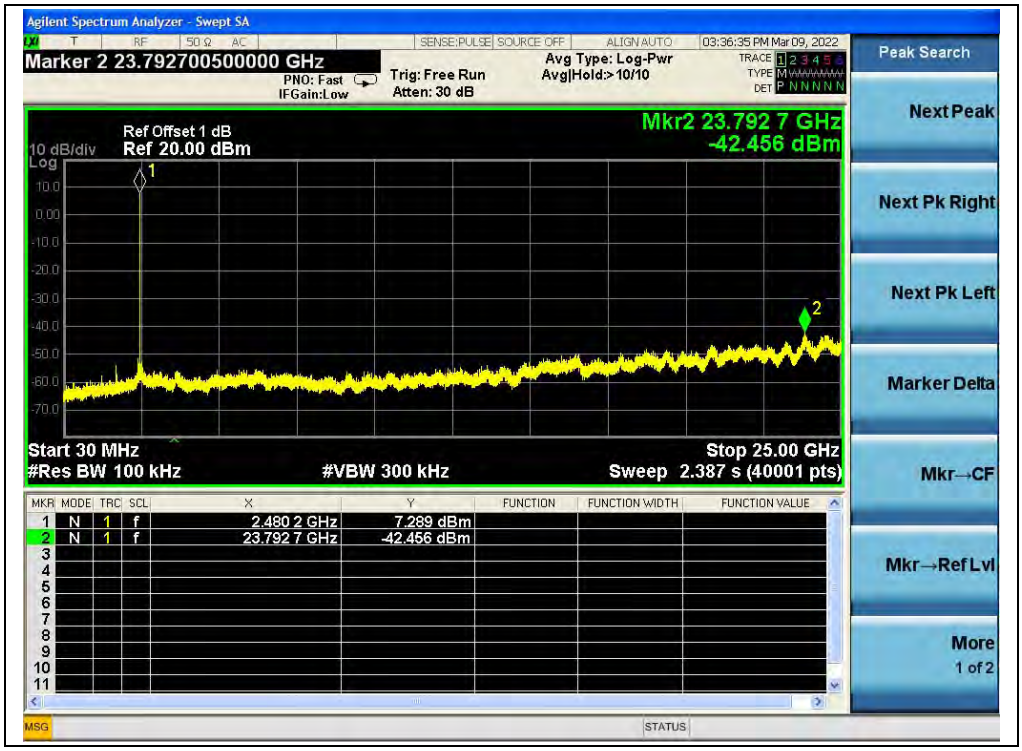


(Band edge, Channel 0, π/4-DQPSK)

(Band edge with hopping on, Channel 0, π/4-DQPSK)



(30MHz to 25GHz, Channel 39, π/4-DQPSK)



(30MHz to 25GHz, Channel 78, π/4-DQPSK)

(Band edge, Channel 78, π/4-DQPSK)

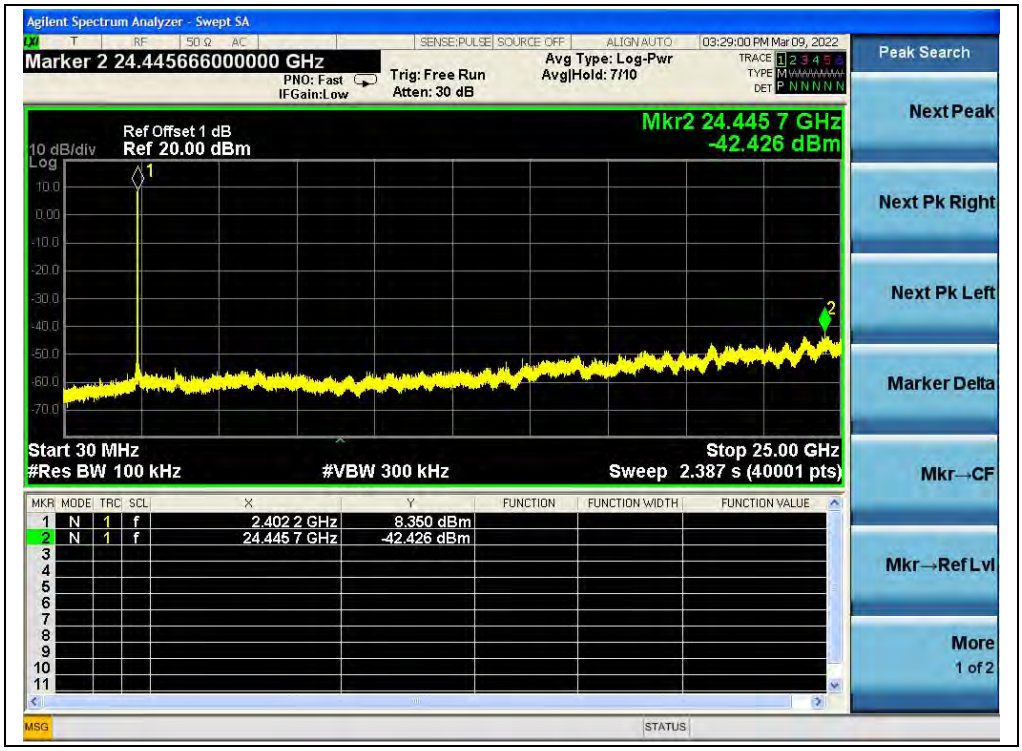
(Band edge with hopping on, Channel 78, π/4-DQPSK)

8-DPSK Mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
			Carrier Level	Calculated -20dBc Limit	
0	2402	-42.43	8.35	-11.65	PASS
39	2441	-43.13	11.03	-8.97	PASS
78	2480	-43.05	8.02	-11.98	PASS

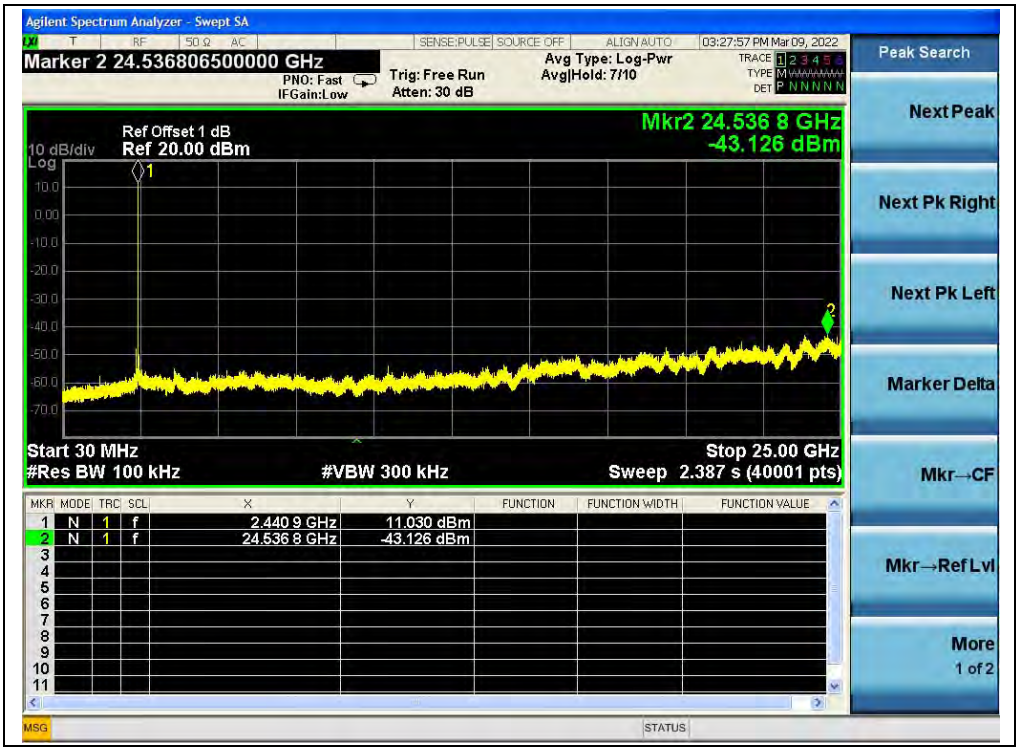
B. Test Plot:



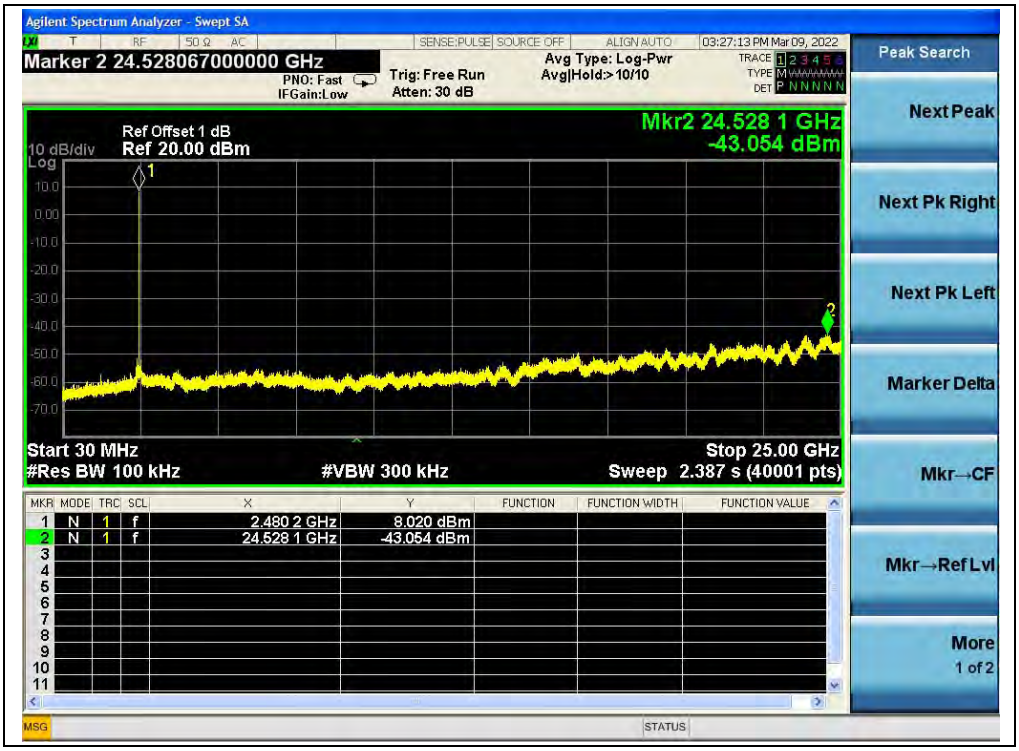
(30MHz to 25GHz, Channel 0, 8-DPSK)

(Band edge, Channel 0, 8-DPSK)

(Band edge with hopping on, Channel 0, 8-DPSK)



(30MHz to 25GHz, Channel 39, 8-DPSK)



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

(Band edge, Channel 78, 8-DPSK)

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

2.11. Conducted Emission

2.11.1. Requirement

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

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

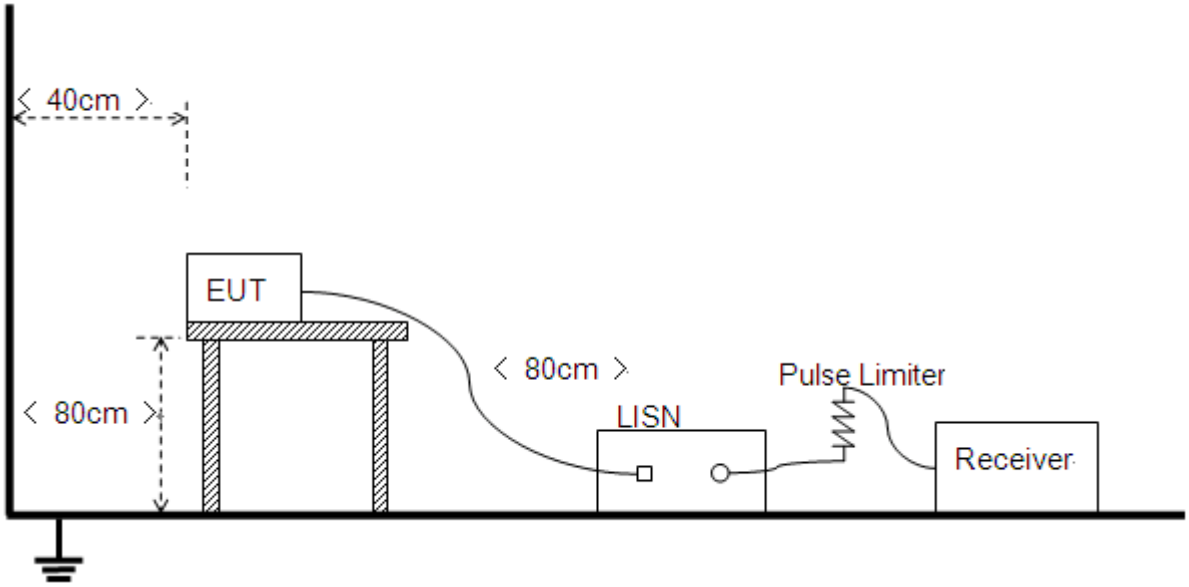
Note:

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

(b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.11.2. Test Description

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.

2.11.3. Test Result

Note: This test case does not apply this kind of EUT.

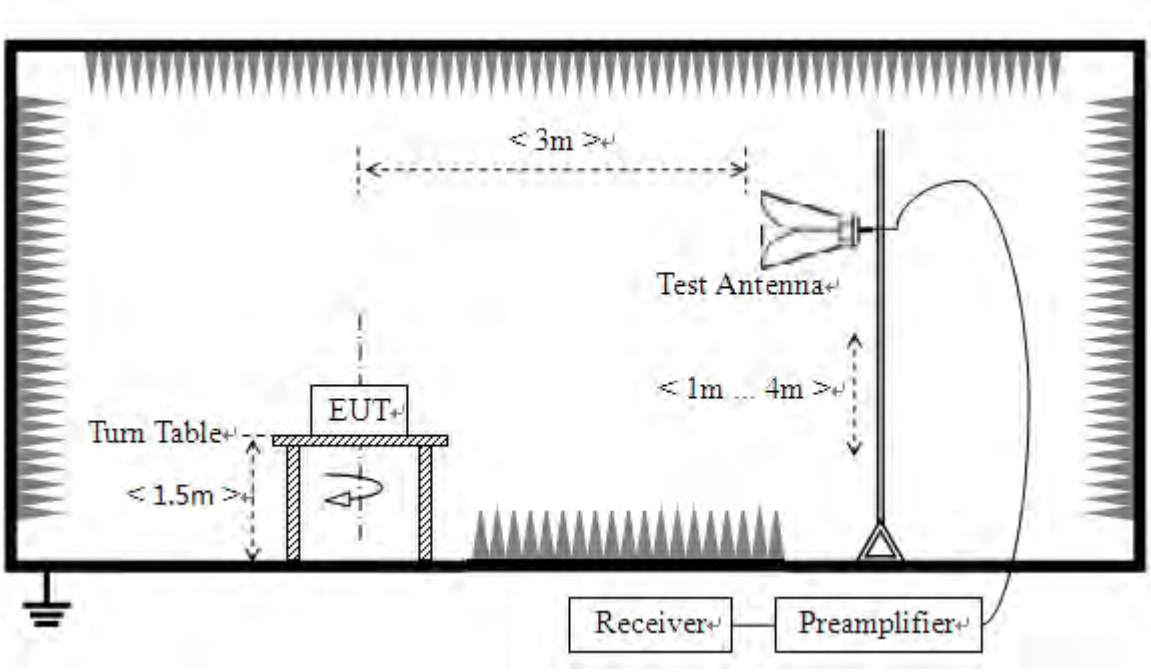
2.12. Restricted Frequency Bands

2.12.1. Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

2.12.2. Test Description

Test Setup:



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

For the Test Antenna:
Horn Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

2.12.3. Test Procedure

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1GHz, 100 kHz for f < 1GHz
VBW = 3 MHz
Sweep = auto
Detector function = peak/average
Trace = max hold
Allow the trace to stabilize

2.12.4. Test Result

The lowest and highest channels are tested to verify Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] =U_R + A_T + A_{Factor} [dB]; AT =$L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
AT: Total correction Factor except Antenna
UR: Receiver Reading
G_{preamp}: Preamplifier Gain
A_{Factor}: Antenna Factor at 3m
Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

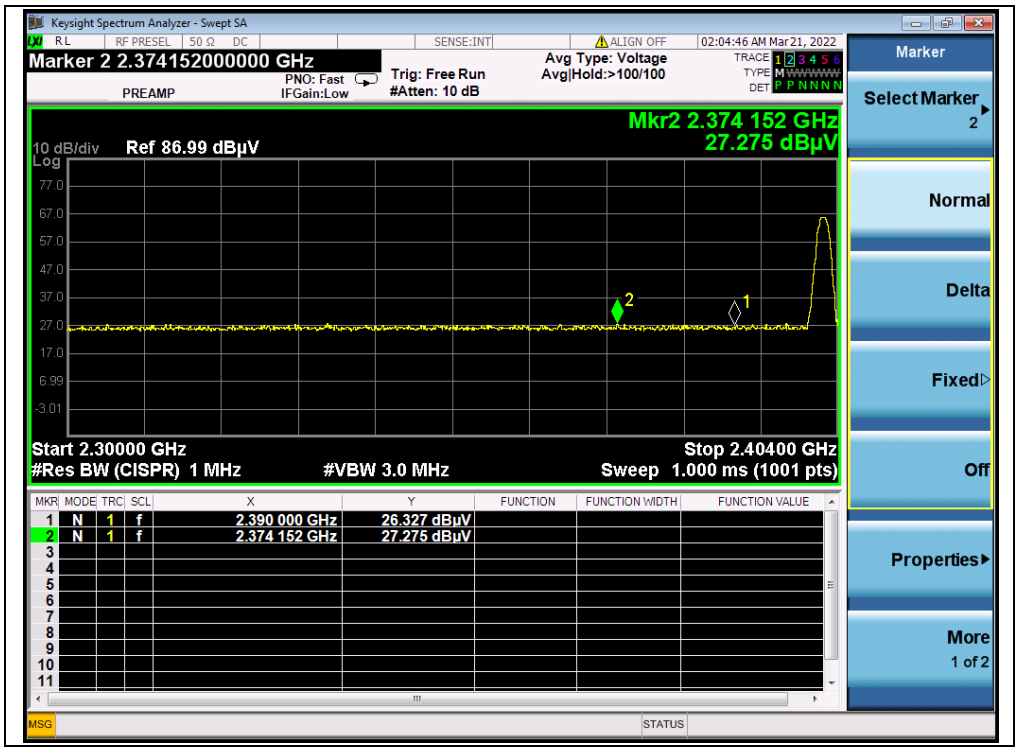
Left:

GFSK Mode

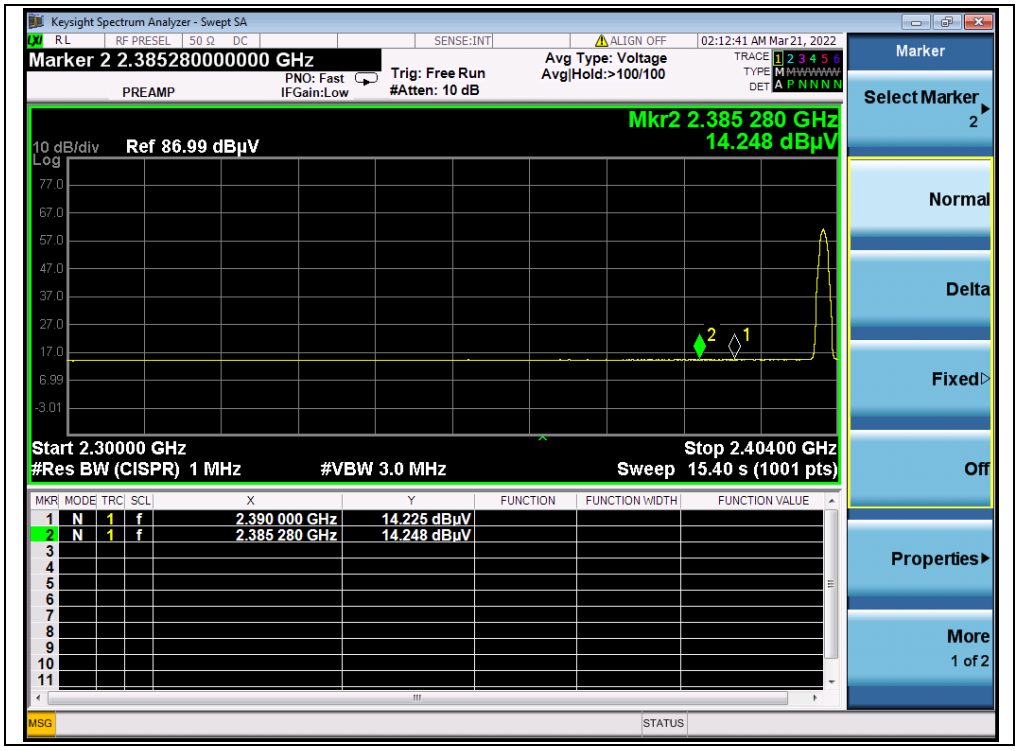
A. Test Verdict:

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
0	2374.15	PK	27.28	6.74	27.20	61.22	74	PASS
0	2385.28	AV	14.25	6.74	27.20	48.19	54	PASS
78	2486.61	PK	26.80	6.74	27.20	60.74	74	PASS
78	2483.50	AV	14.04	6.74	27.20	47.98	54	PASS

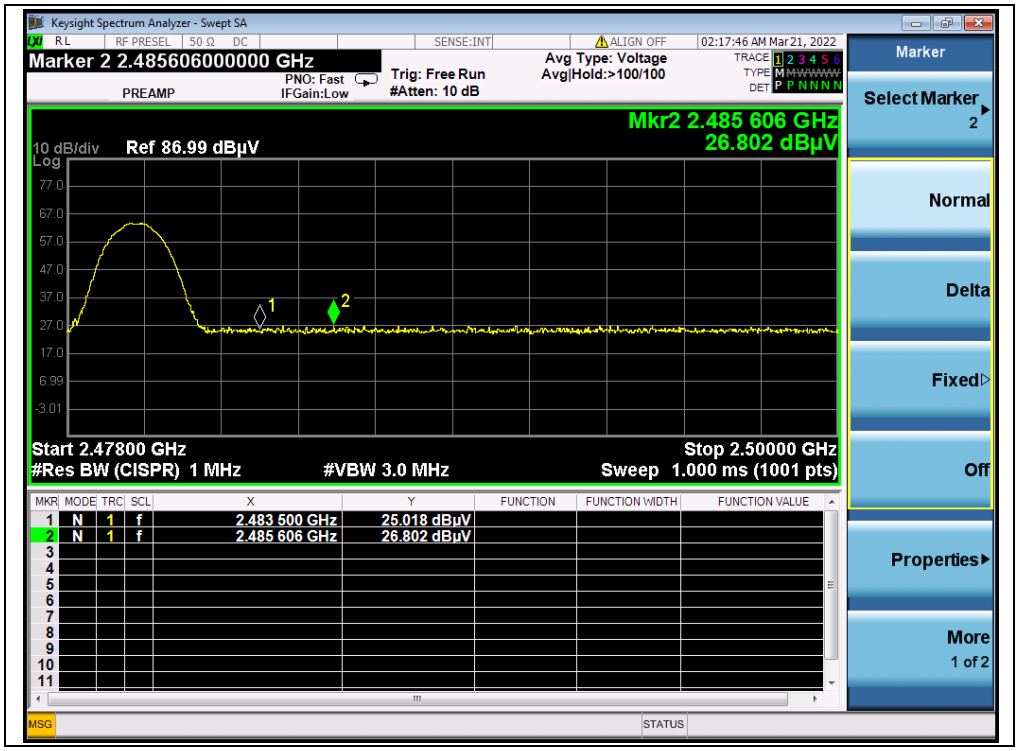
B. Test Plot:



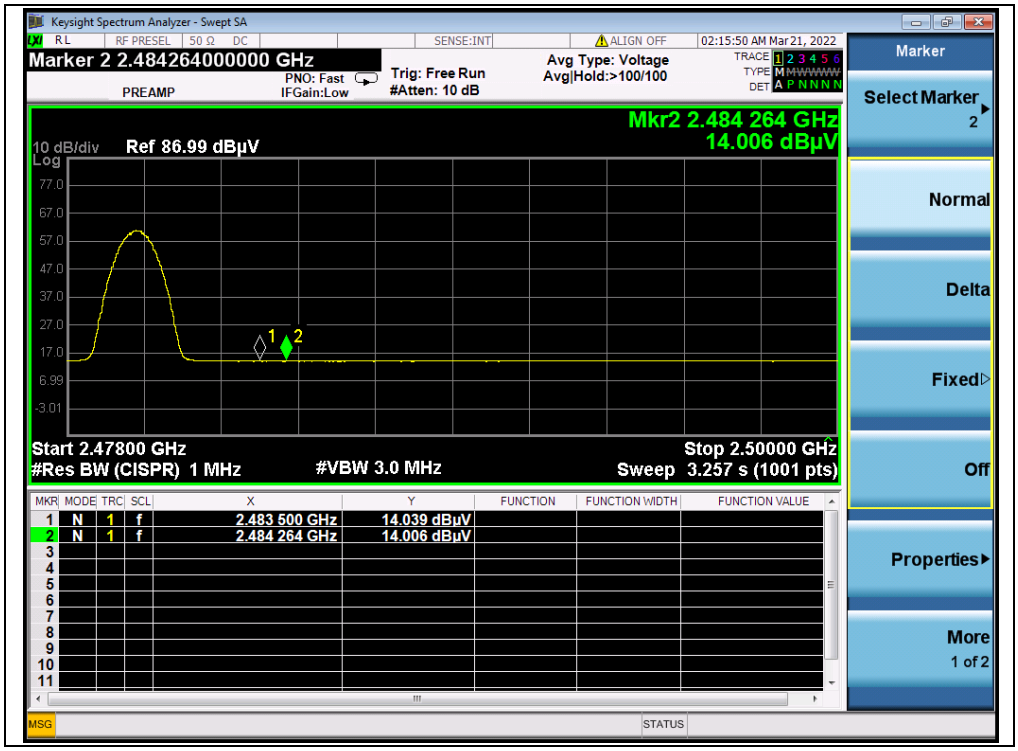
(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)



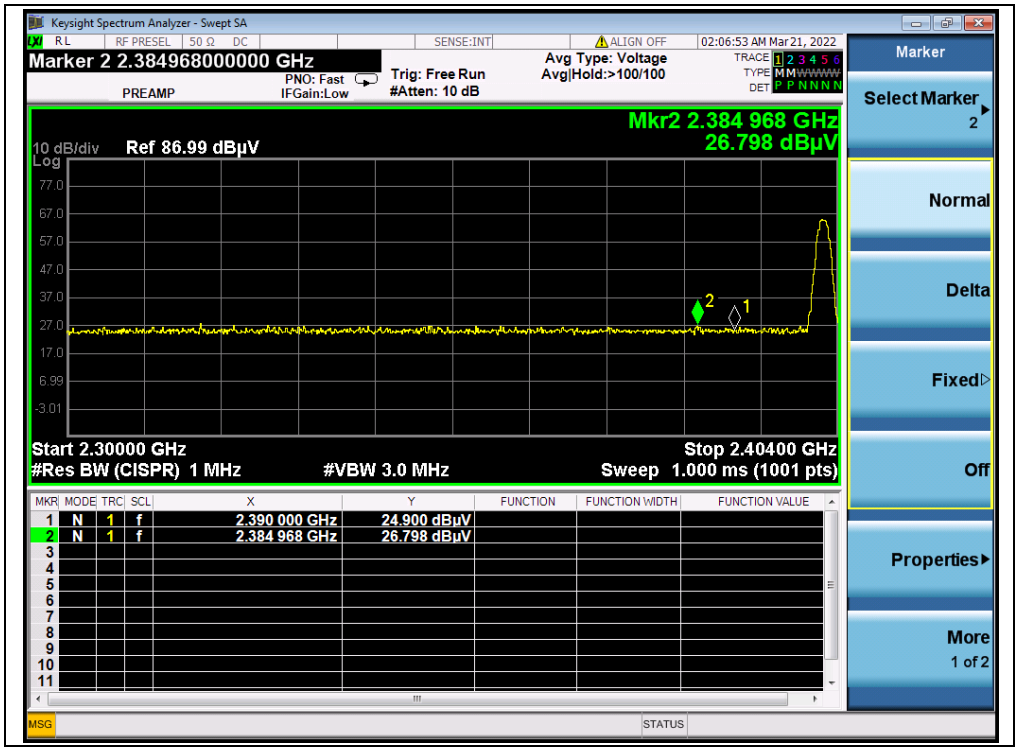
(AVERAGE, Channel 78, GFSK)

π/4-DQPSK Mode

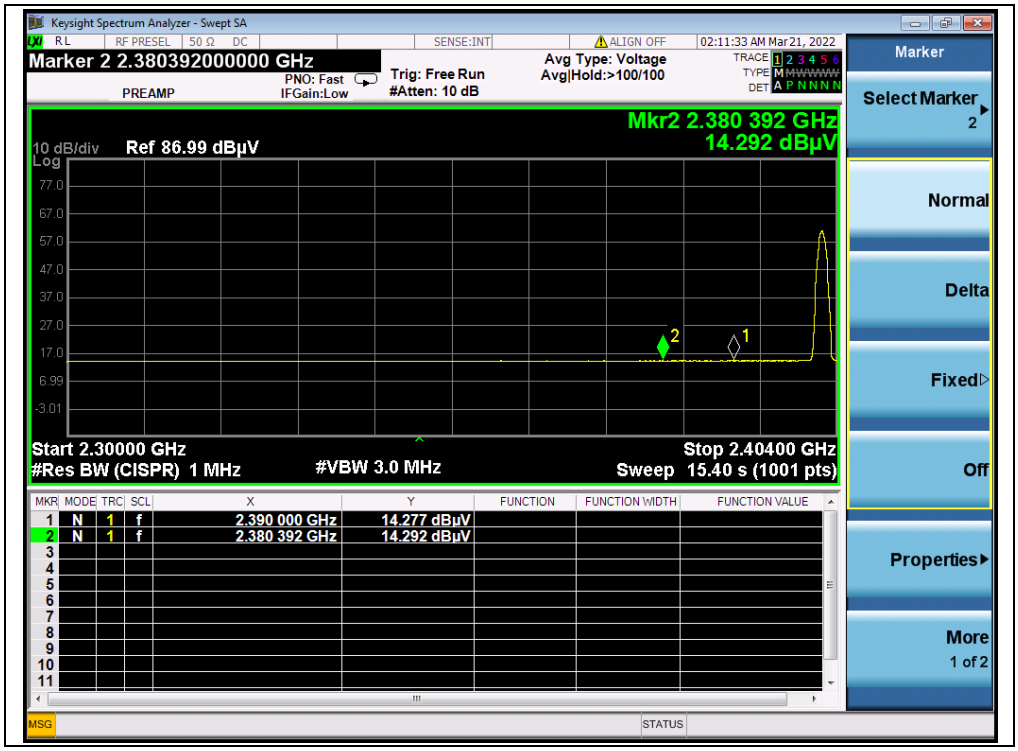
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
0	2384.97	PK	26.80	6.74	27.20	60.74	74	PASS
0	2380.39	AV	14.29	6.74	27.20	48.23	54	PASS
78	2485.56	PK	26.19	6.74	27.20	60.13	74	PASS
78	2484.57	AV	13.95	6.74	27.20	47.89	54	PASS

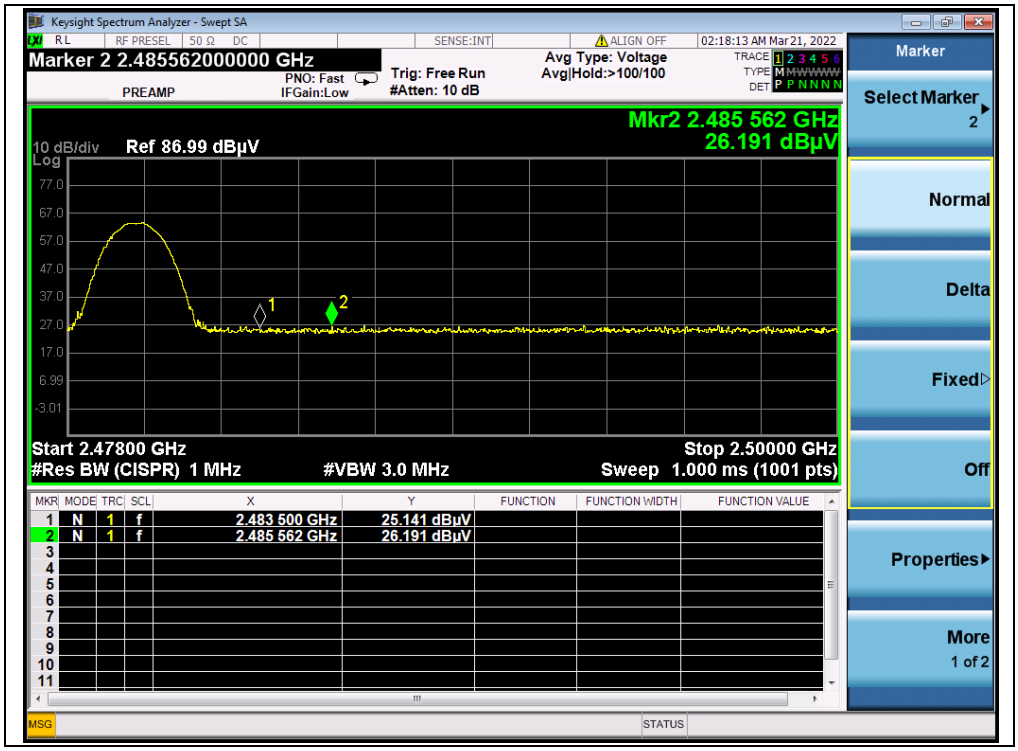
B. Test Plot:



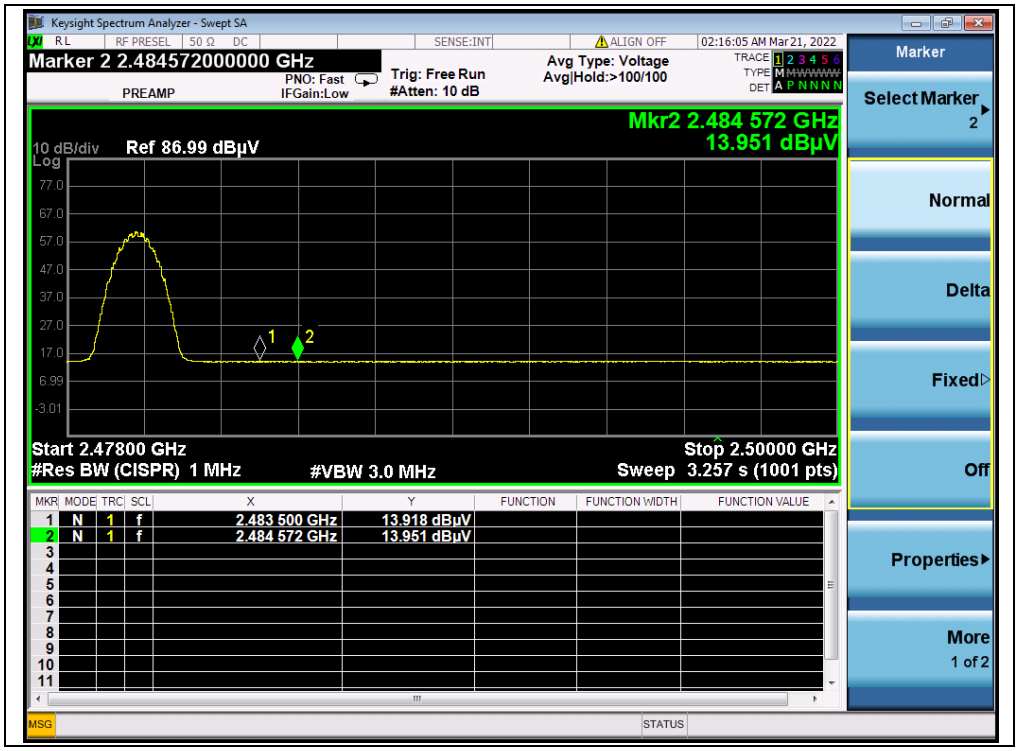
(PEAK, Channel 0,π/4-DQPSK)



(AVERAGE, Channel 0, π/4-DQPSK)



(PEAK, Channel 78, π/4-DQPSK)



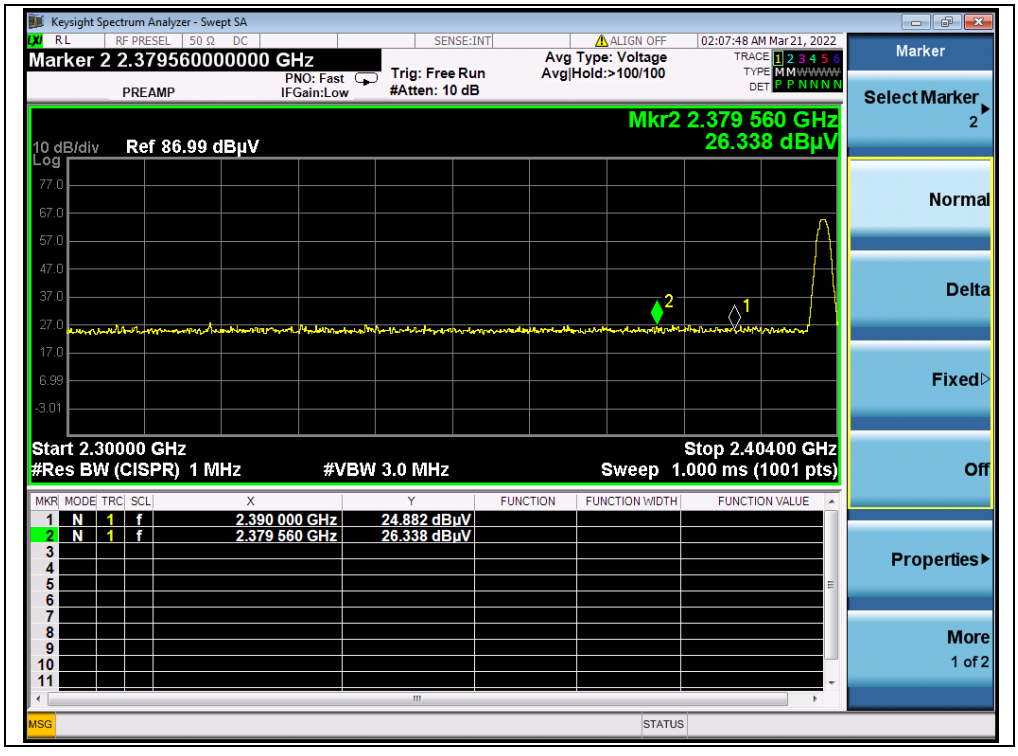
(AVERAGE, Channel 78, π/4-DQPSK)

8-DPSK Mode

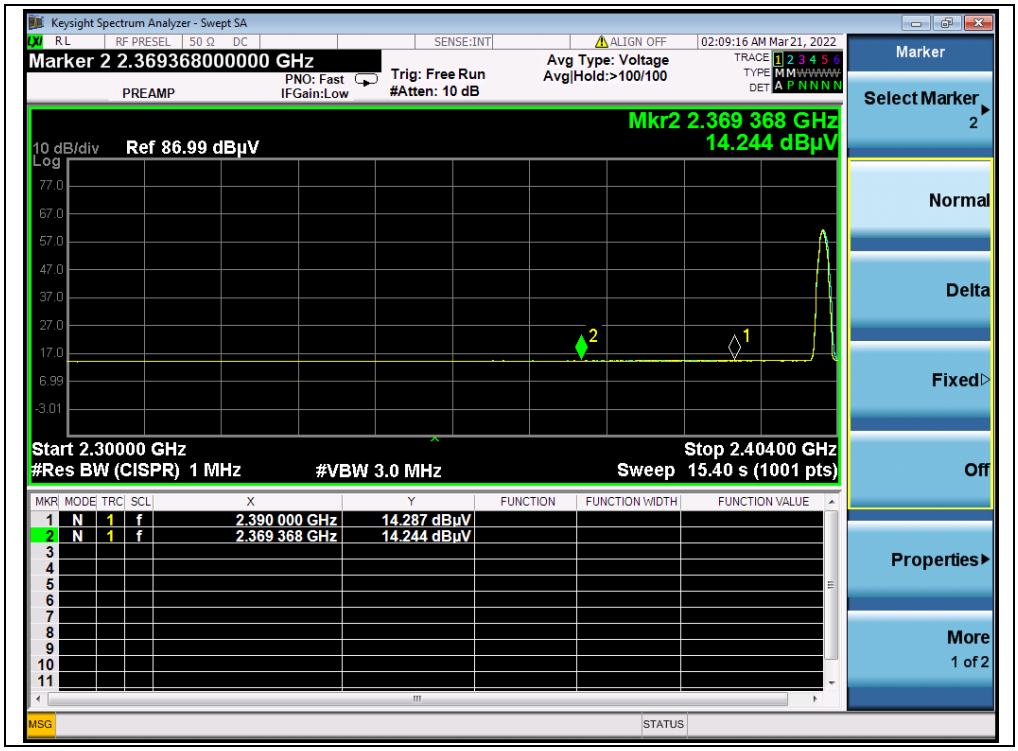
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
0	2379.56	PK	26.34	6.74	27.20	60.28	74	PASS
0	2390.00	AV	14.29	6.74	27.20	48.23	54	PASS
78	2487.72	PK	26.24	6.74	27.20	60.18	74	PASS
78	2483.50	AV	14.03	6.74	27.20	47.97	54	PASS

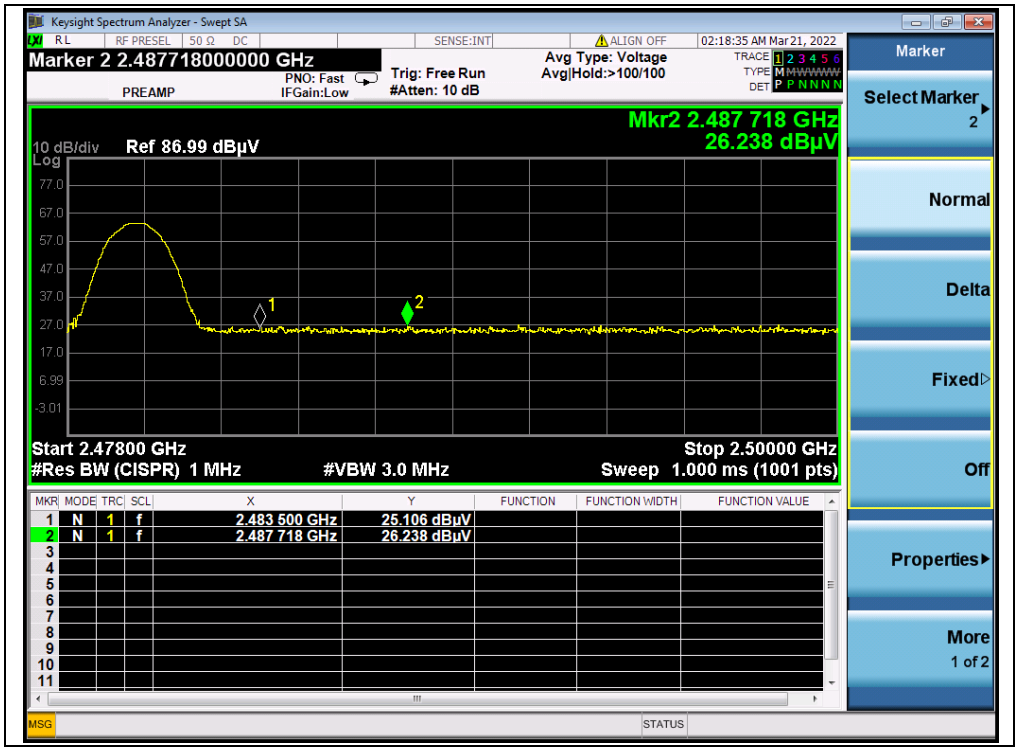
B. Test Plot:



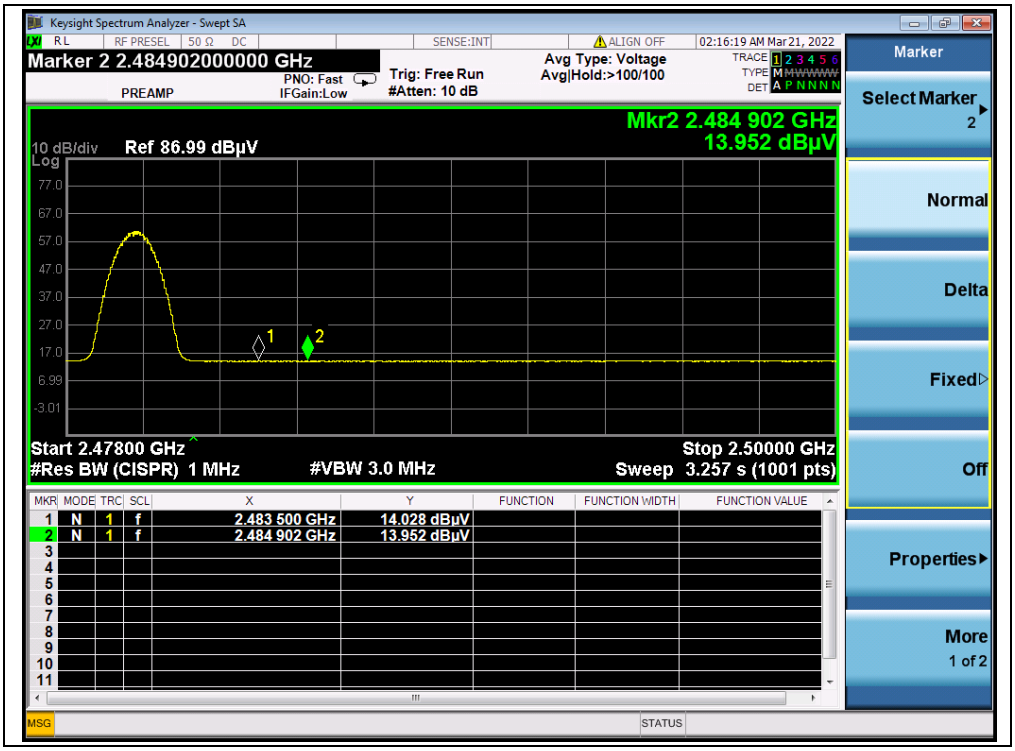
(PEAK, Channel 0, 8-DPSK)



(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)



(AVERAGE, Channel 78, 8-DPSK)

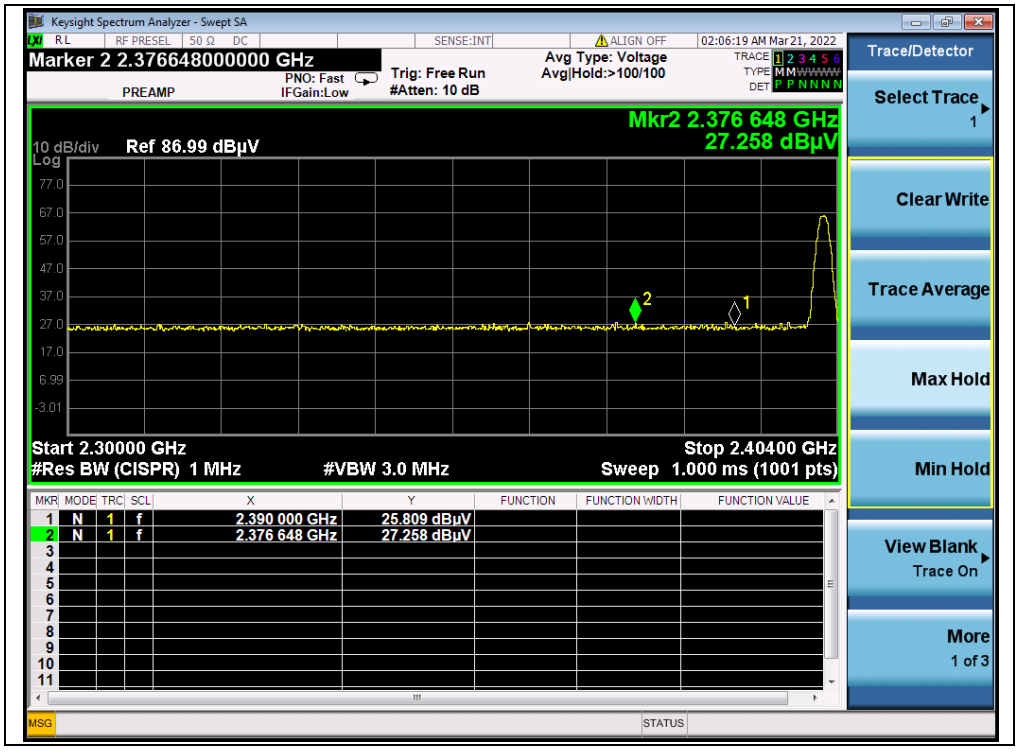
Right:

GFSK Mode

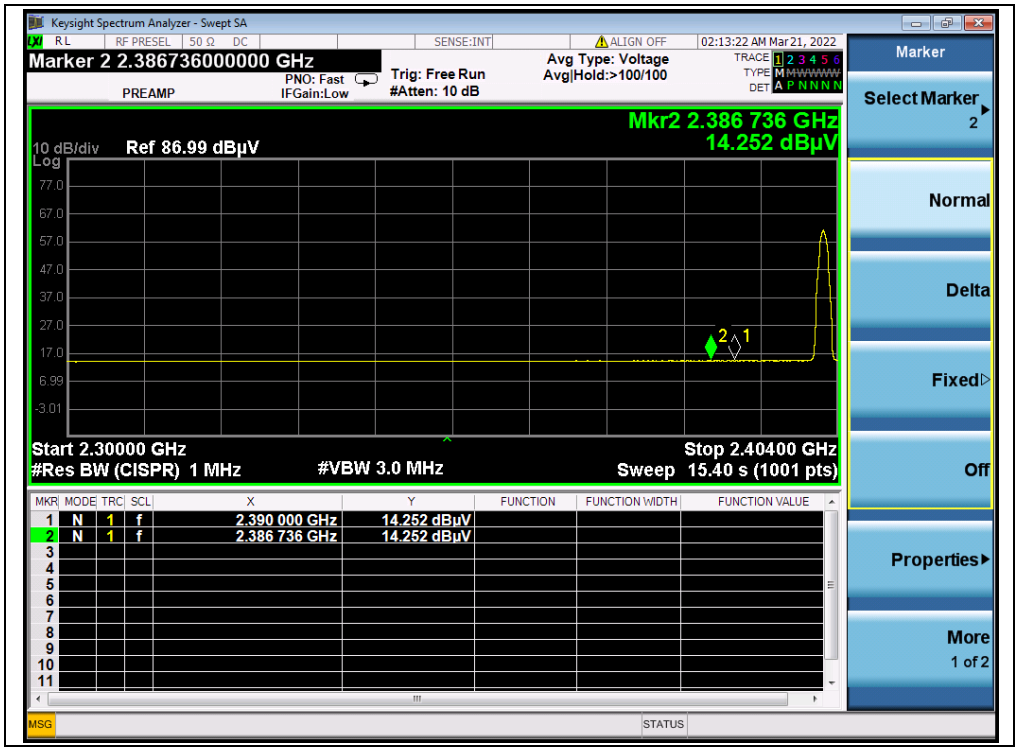
A. Test Verdict:

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
0	2376.65	PK	27.26	6.74	27.20	61.20	74	PASS
0	2386.74	AV	14.25	6.74	27.20	48.19	54	PASS
78	2486.07	PK	27.03	6.74	27.20	60.97	74	PASS
78	2483.50	AV	13.98	6.74	27.20	47.92	54	PASS

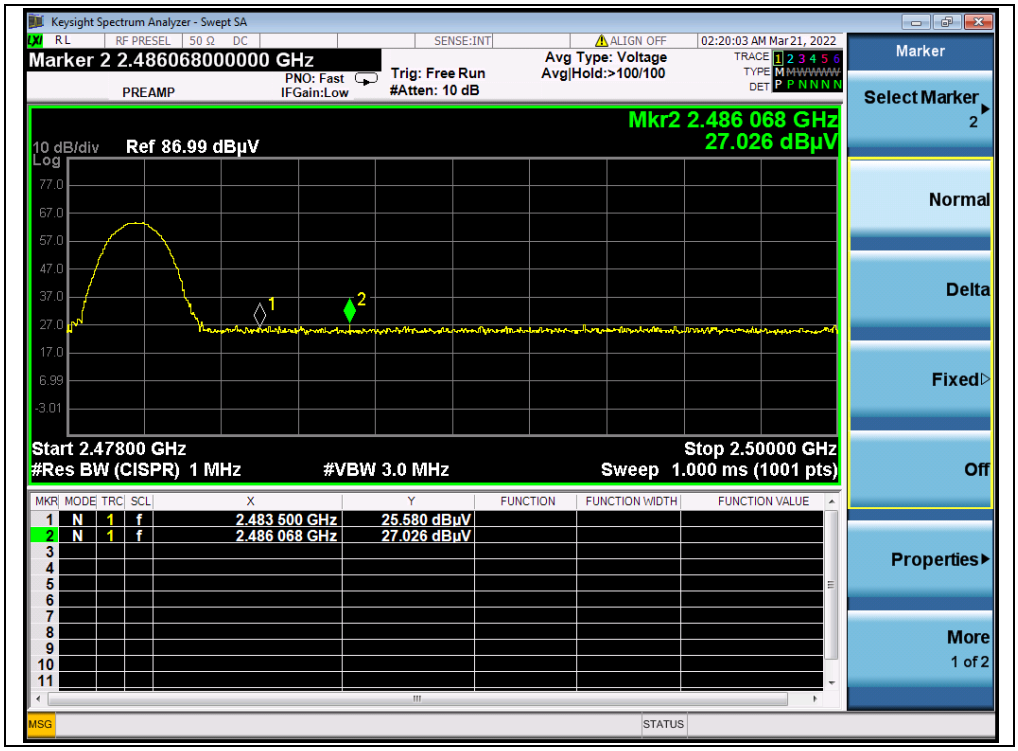
B. Test Plot:



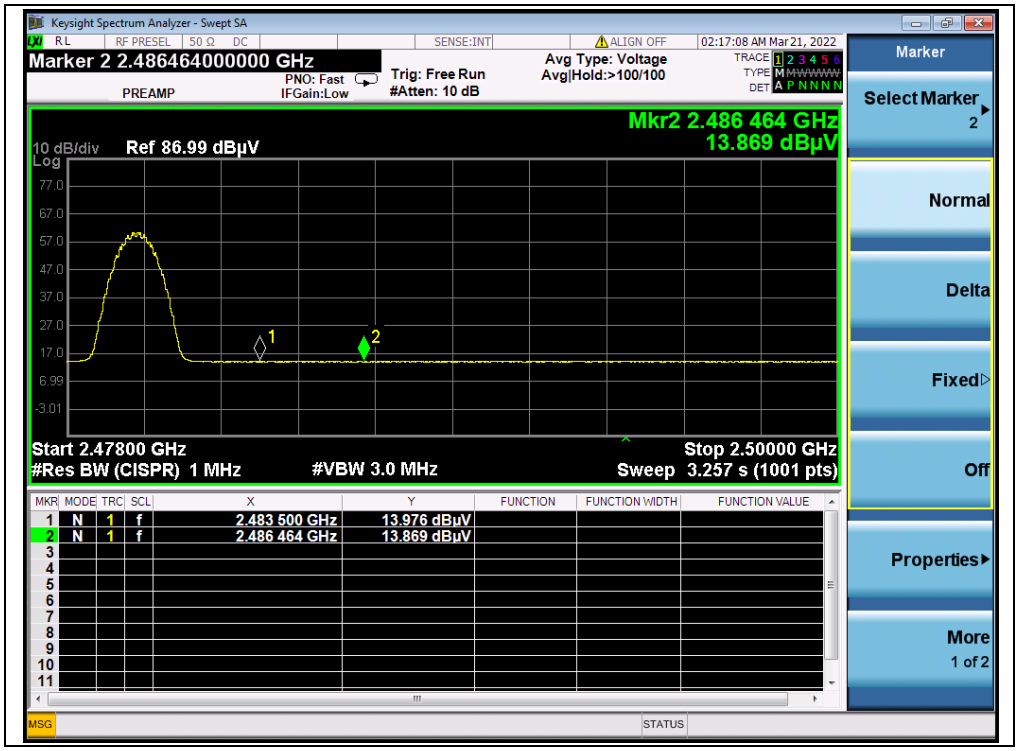
(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)



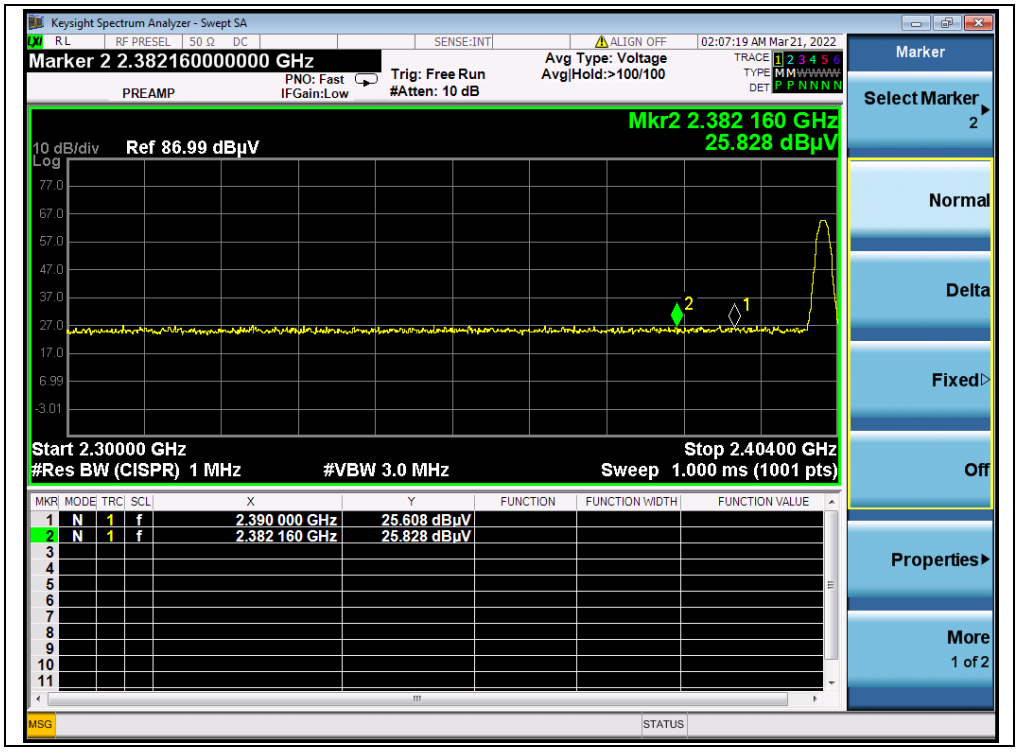
(AVERAGE, Channel 78, GFSK)

π/4-DQPSK Mode

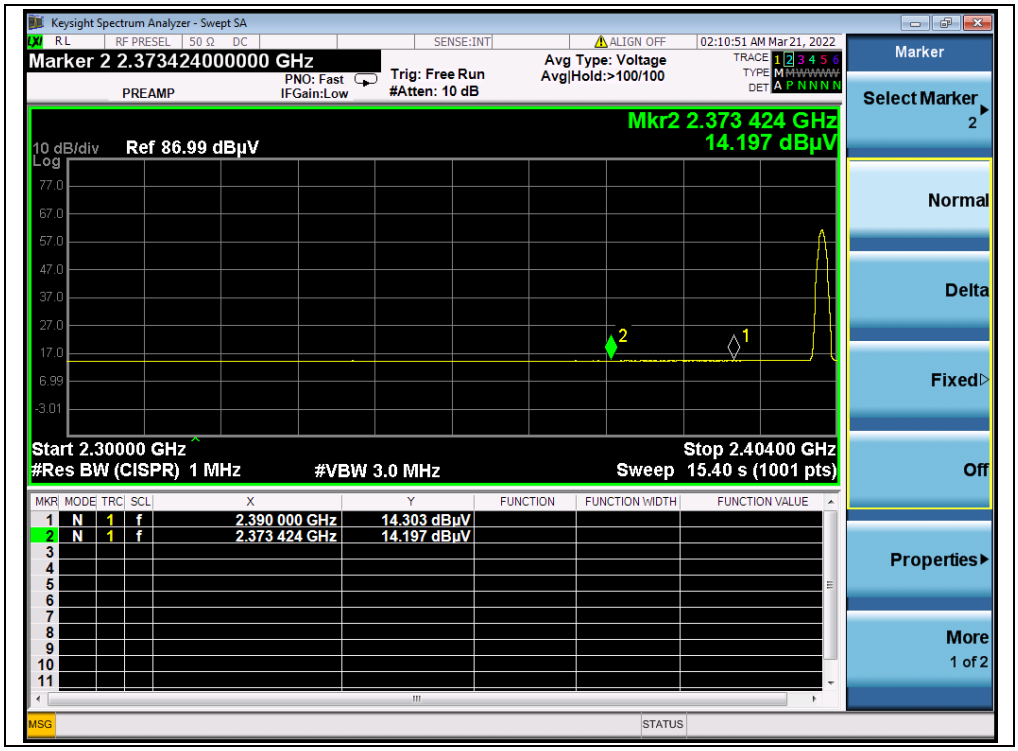
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
0	2382.16	PK	25.83	6.74	27.20	59.77	74	PASS
0	2390.00	AV	14.30	6.74	27.20	48.24	54	PASS
78	2484.48	PK	26.37	6.74	27.20	60.31	74	PASS
78	2483.50	AV	13.87	6.74	27.20	47.81	54	PASS

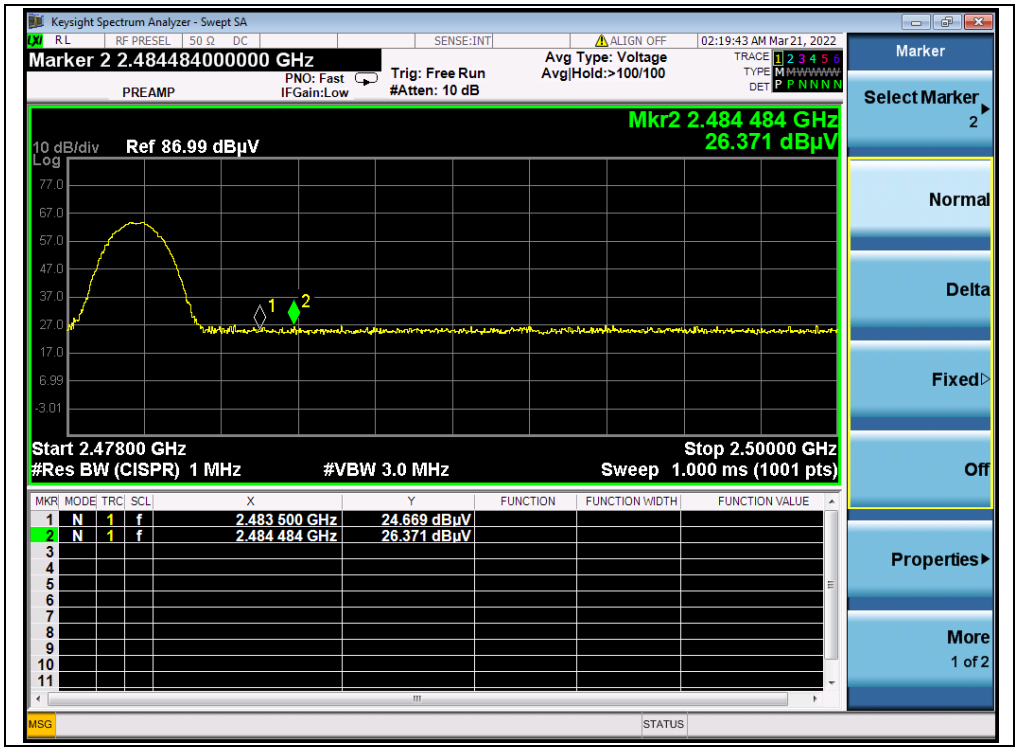
B. Test Plot:



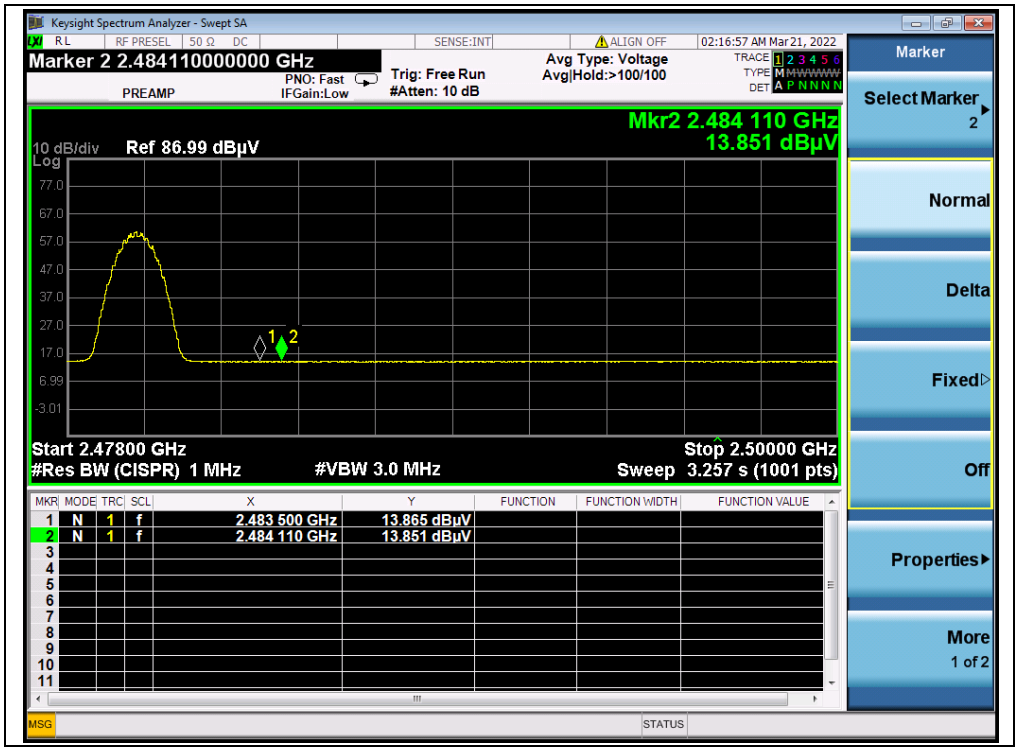
(PEAK, Channel 0,π/4-DQPSK)



(AVERAGE, Channel 0, π/4-DQPSK)



(PEAK, Channel 78, π/4-DQPSK)



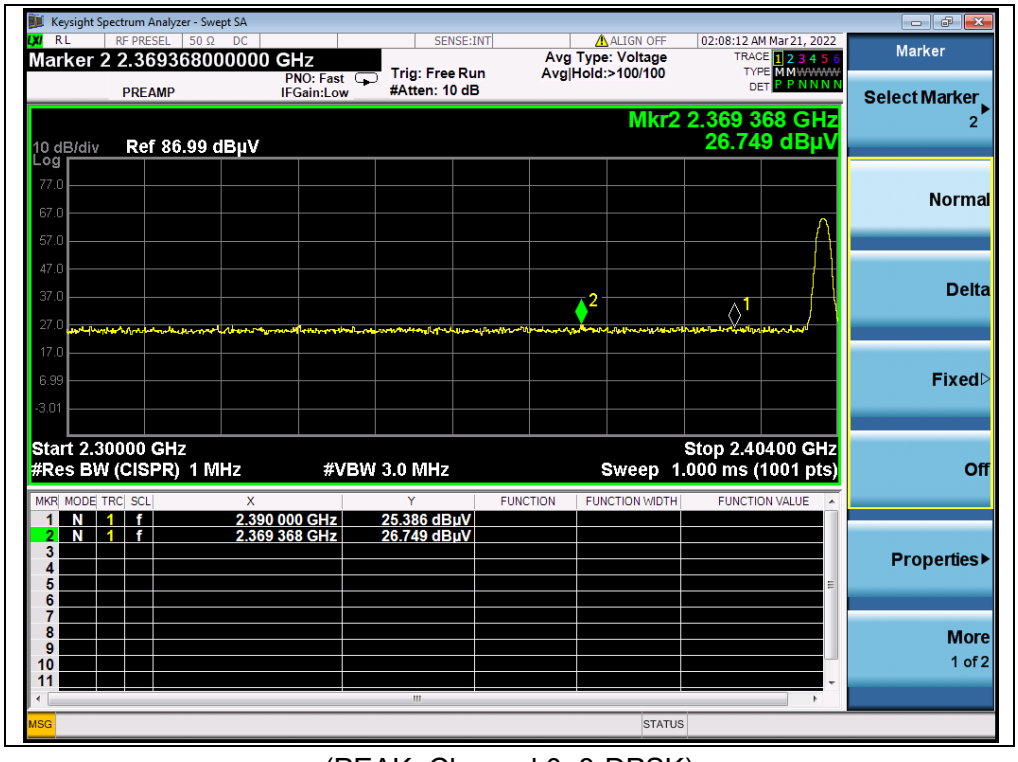
(AVERAGE, Channel 78, π/4-DQPSK)

8-DPSK Mode

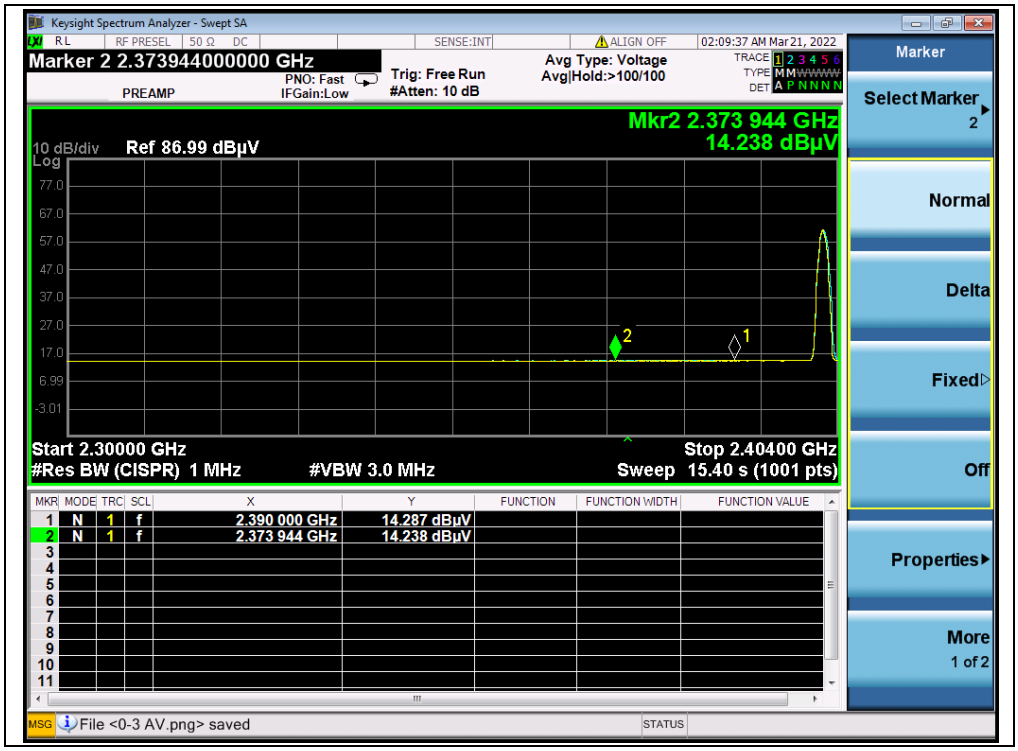
A. Test Verdict:

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
0	2369.37	PK	26.75	6.74	27.20	60.69	74	PASS
0	2390.00	AV	14.29	6.74	27.20	48.23	54	PASS
78	2488.40	PK	26.68	6.74	27.20	60.62	74	PASS
78	2485.03	AV	14.04	6.74	27.20	47.98	54	PASS

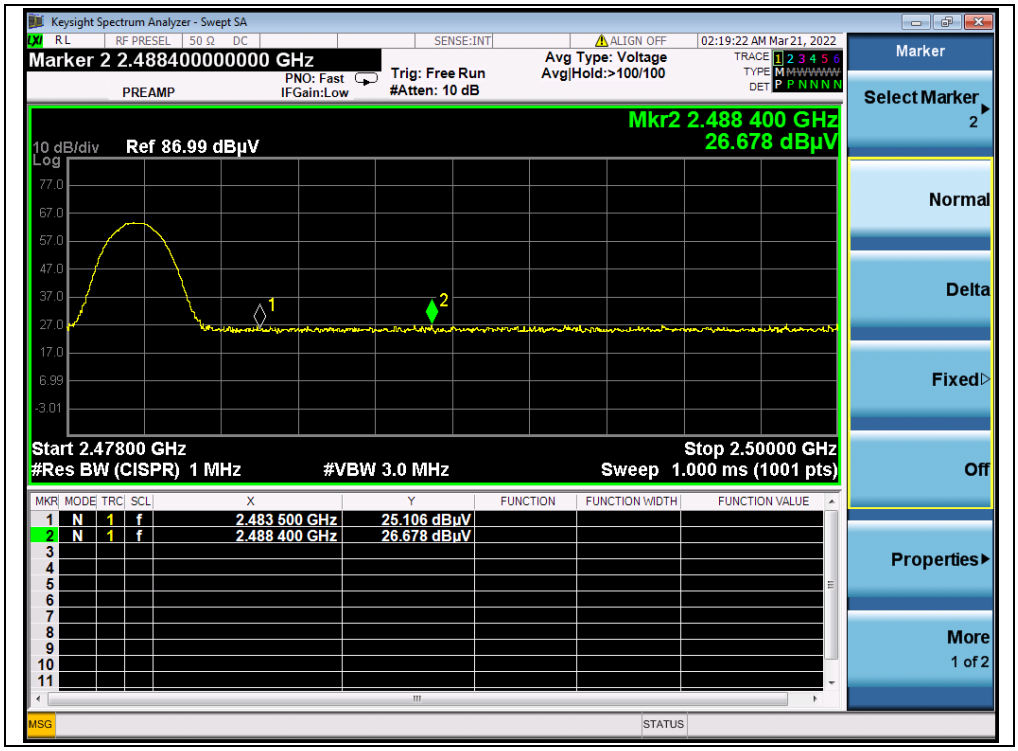
B. Test Plot:



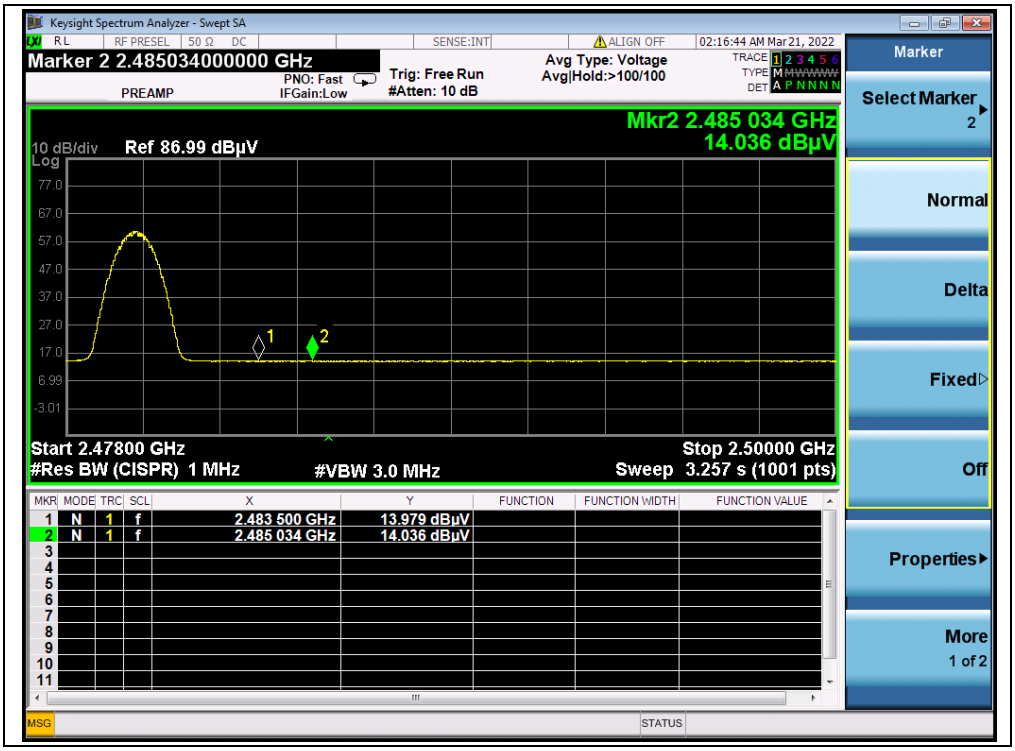
(PEAK, Channel 0, 8-DPSK)



(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)



(AVERAGE, Channel 78, 8-DPSK)

2.13. Radiated Emission

2.13.1. 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:

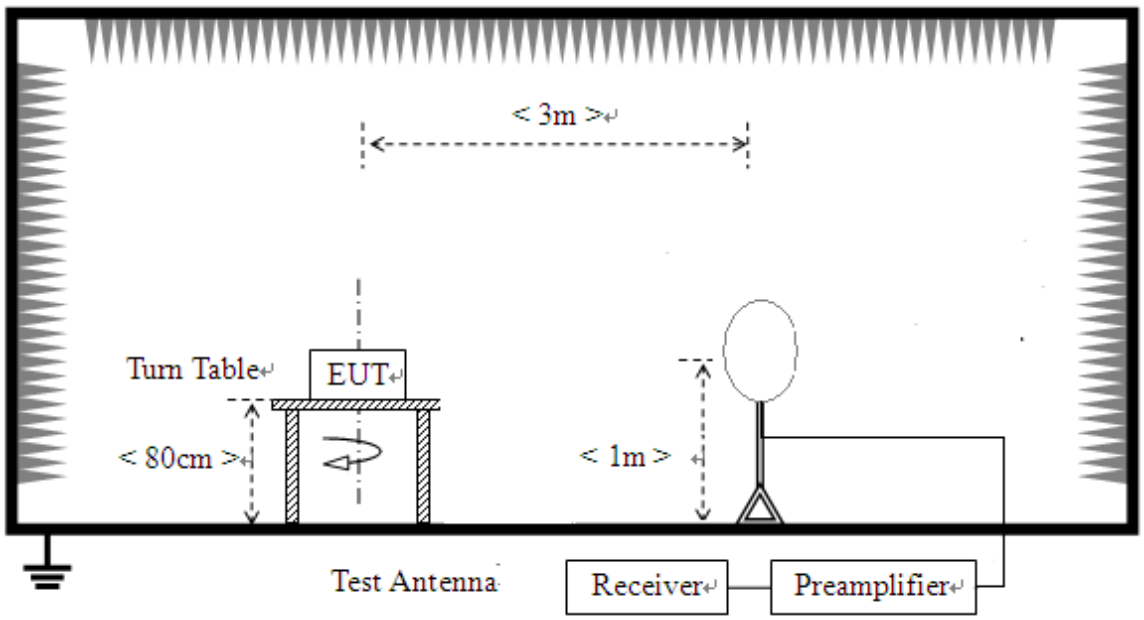
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note1: 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.
Note2: 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).

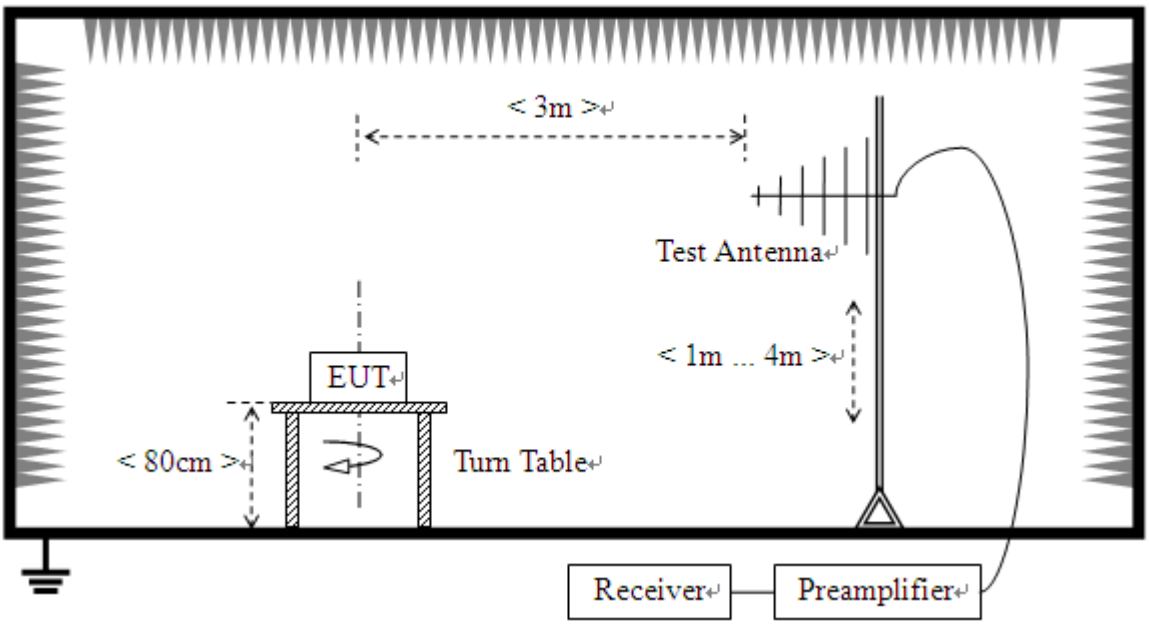
2.13.2. Test Description

Test Setup:

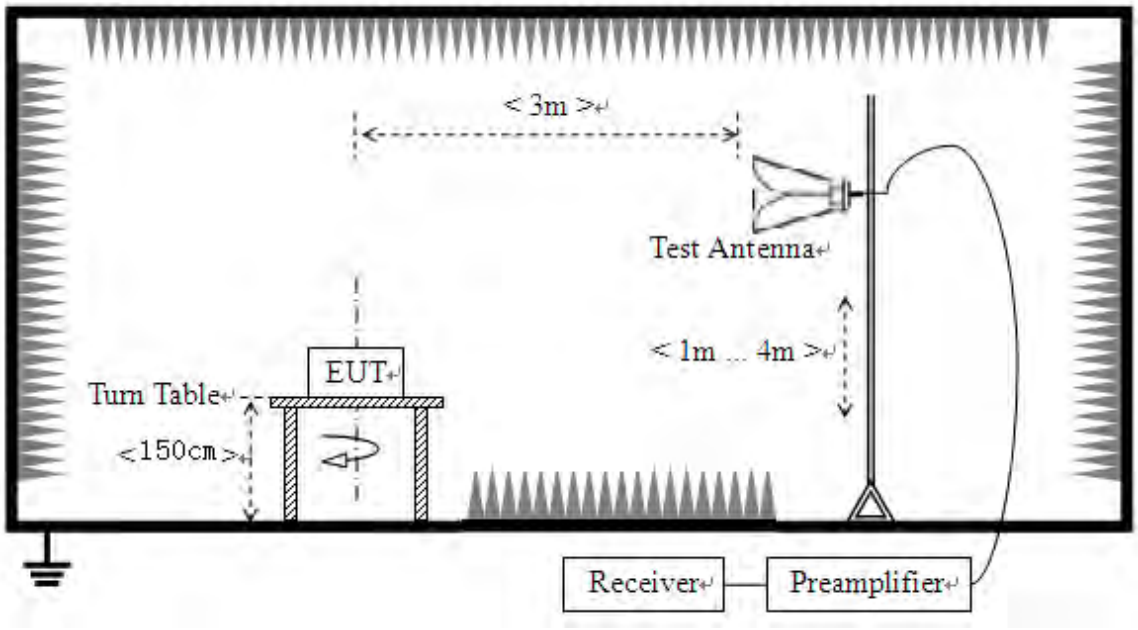
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz.The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2.13.3. 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 (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

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

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.

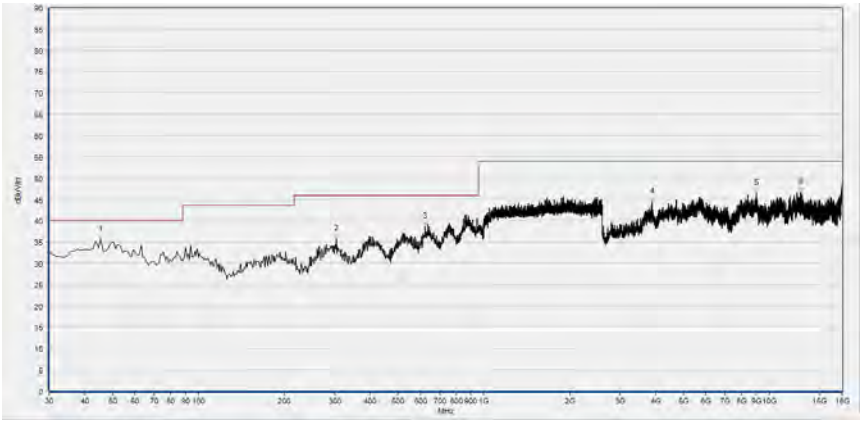
Note 1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note 2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

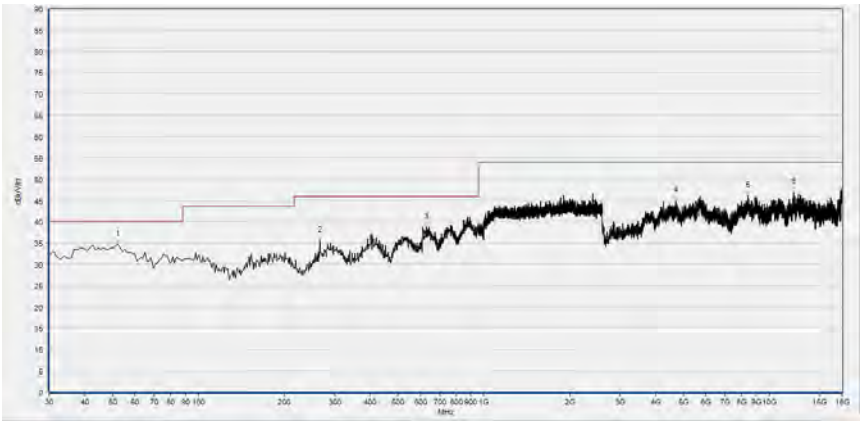
Left, GFSK Mode

Plots for Channel 0



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
45.520	35.48	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
304.510	35.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
622.670	38.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3893.600	44.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8991.000	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12890.280	46.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

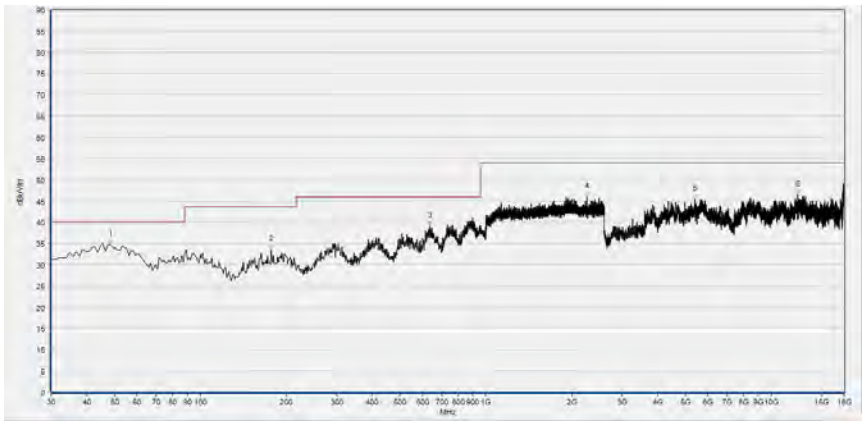
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
52.310	34.64	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
266.680	35.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
628.490	38.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4712.880	44.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8415.040	46.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12197.280	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

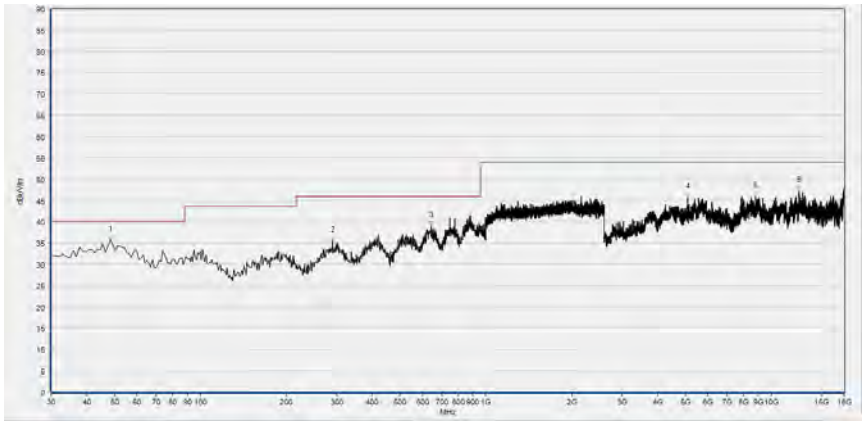
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 39



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.430	34.77	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
177.440	33.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
637.220	39.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2263.467	45.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5405.880	45.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12342.040	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

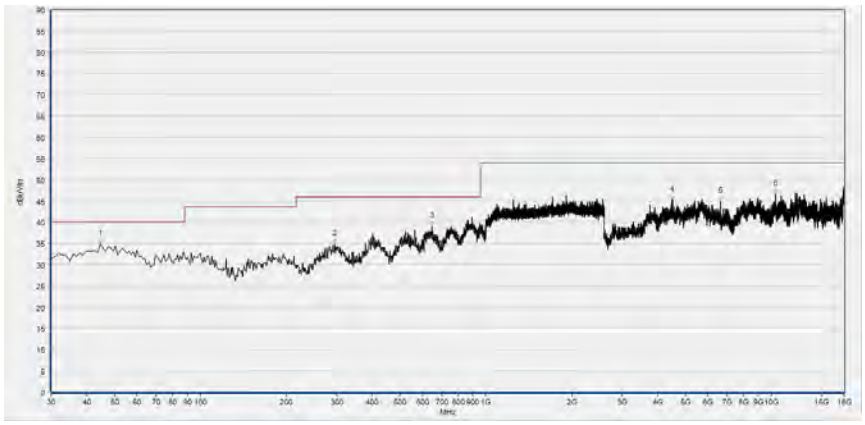
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.430	35.74	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
289.960	35.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
644.010	39.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5100.960	45.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8830.840	45.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12486.800	47.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

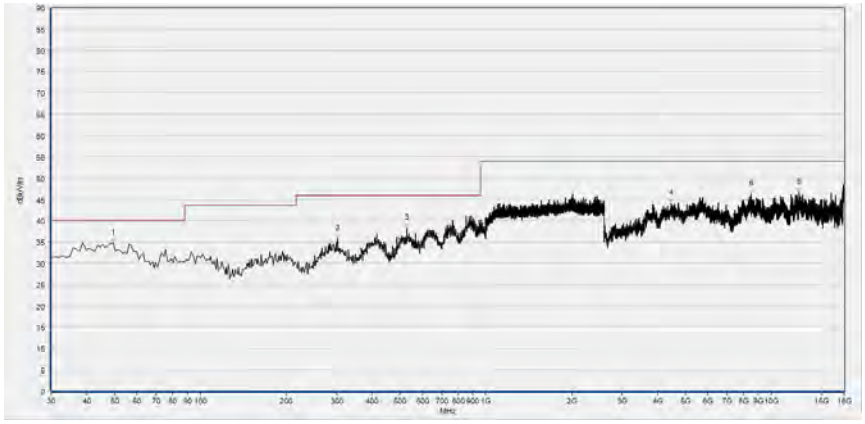
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
44.550	34.87	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
295.780	34.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
645.950	39.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4478.800	45.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6634.800	45.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10343.120	46.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

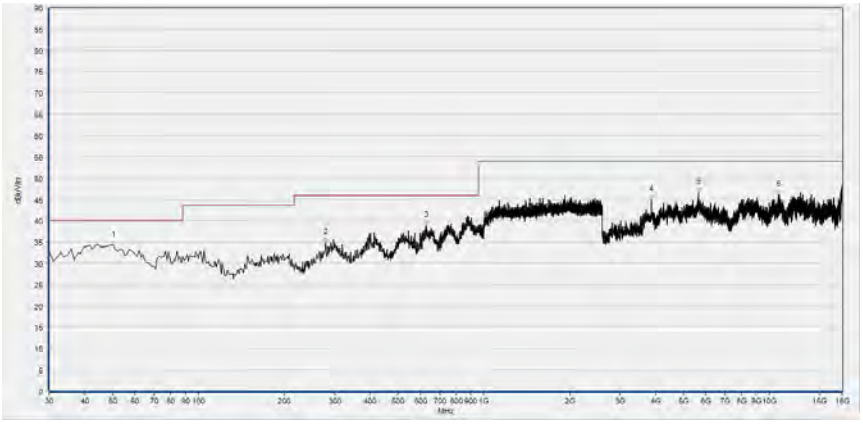


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.400	34.67	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
302.570	35.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
527.610	38.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4457.240	44.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8516.680	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12536.080	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

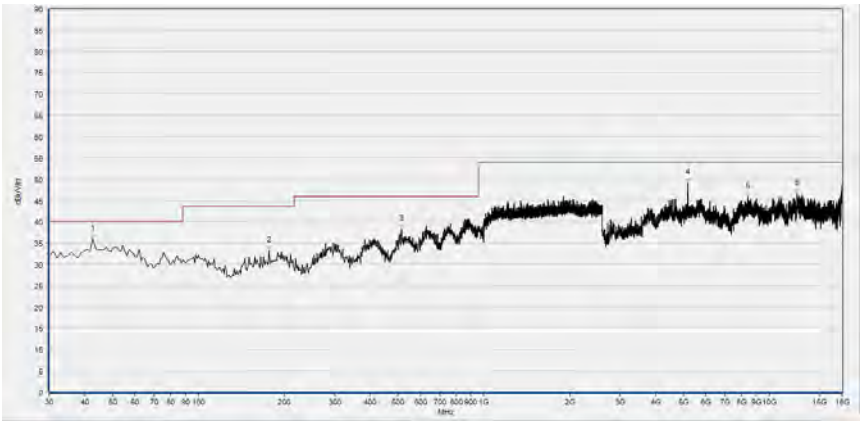
π/4-DQPSK Mode

Plots for Channel 0



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
50.370	34.22	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
278.320	34.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
629.460	38.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3868.960	44.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5649.200	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10780.480	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

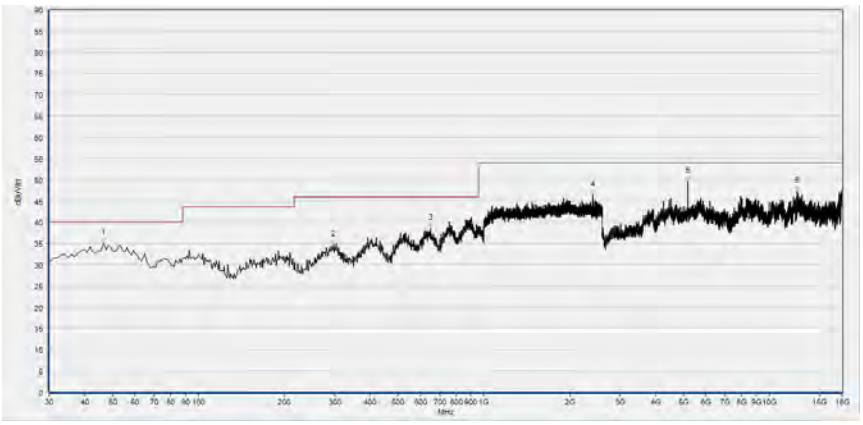
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.610	35.86	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
177.440	33.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
515.000	38.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5177.960	49.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8421.200	45.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12554.560	46.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

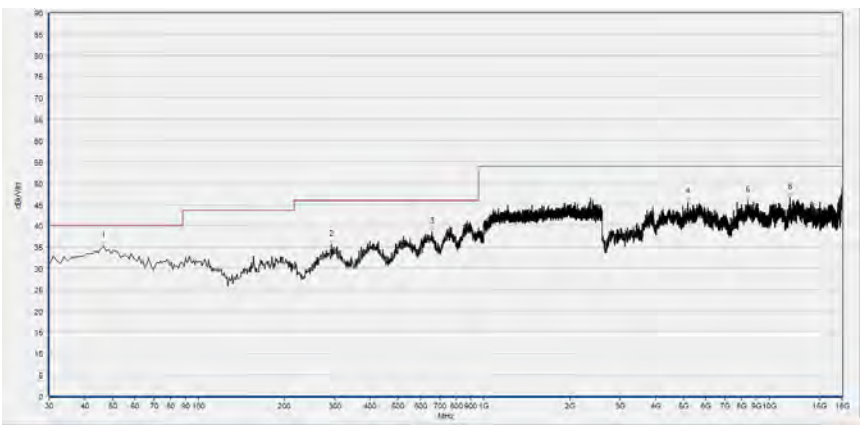
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 39



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
46.490	35.11	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
297.720	34.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
651.770	38.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2406.933	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5174.880	49.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12499.120	47.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

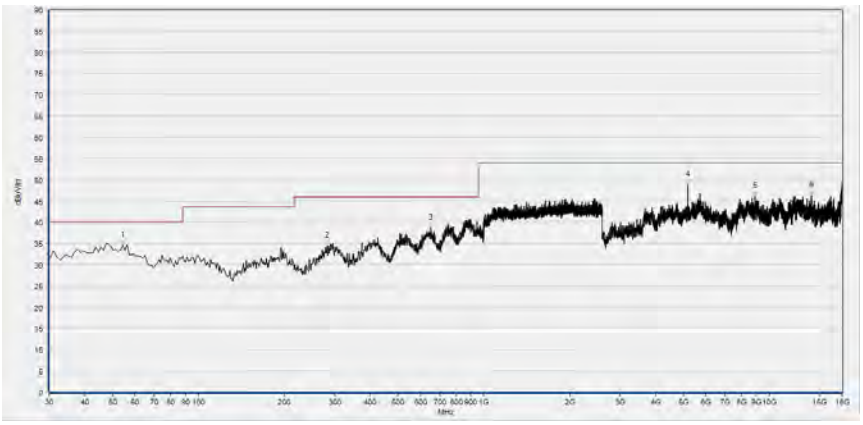
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
46.490	35.24	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
292.870	35.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
659.530	38.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5193.360	45.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8424.280	45.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11790.720	46.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

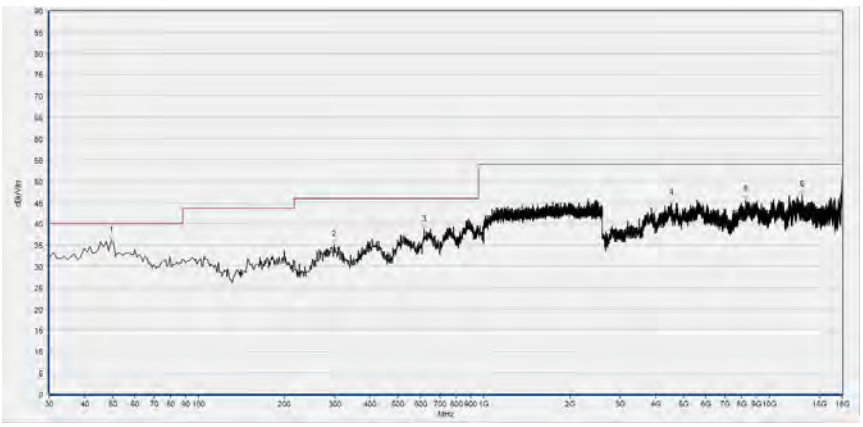
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
54.250	34.45	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
282.200	34.39	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
652.740	38.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5174.880	48.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8923.240	46.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14048.360	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

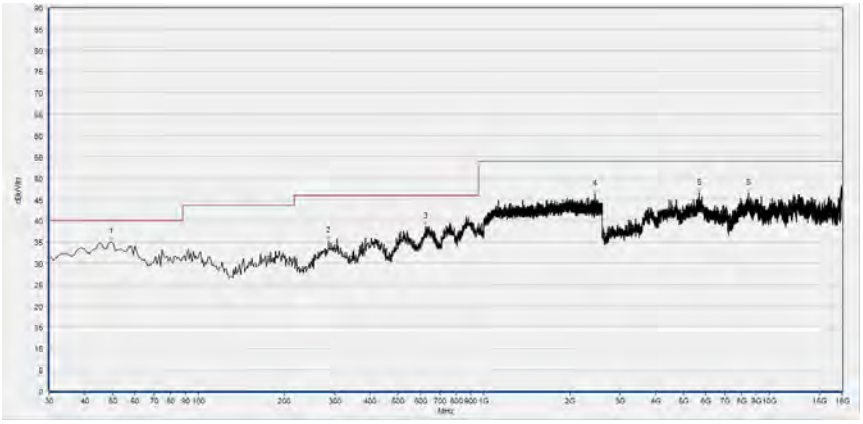


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.400	36.02	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
298.690	35.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
618.790	38.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4552.720	44.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8267.200	45.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13068.920	46.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

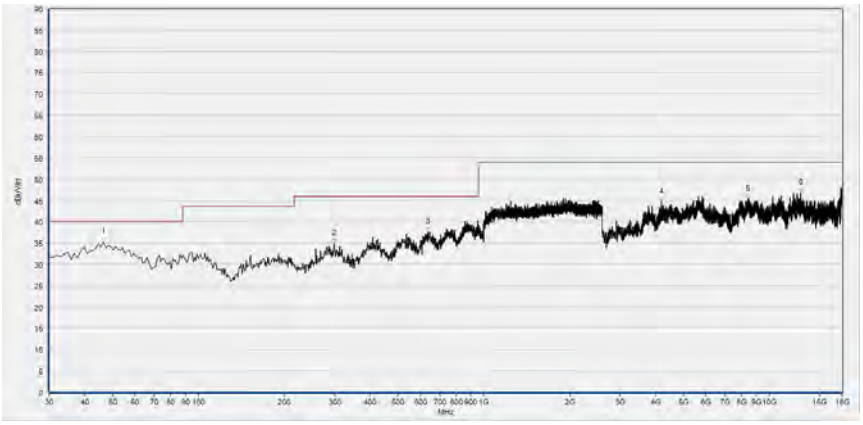
8-DPSK Mode

Plots for Channel 0



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.400	35.03	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
286.080	35.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
625.580	38.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2448.533	46.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5680.000	46.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8455.080	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

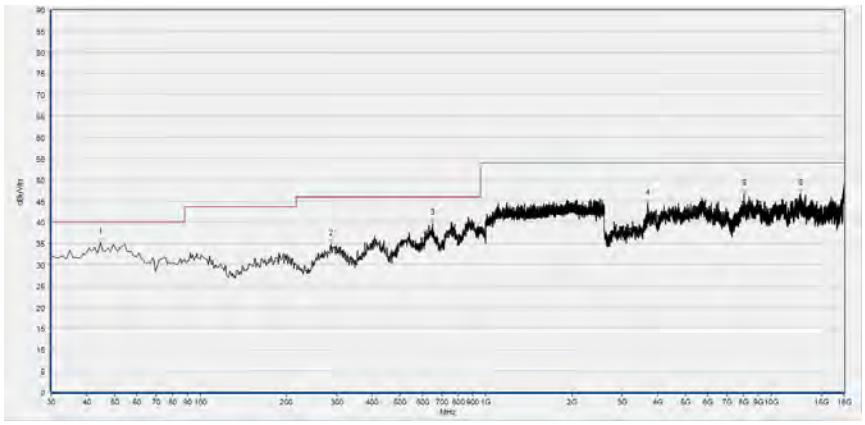
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
46.490	35.28	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
298.690	34.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
636.250	37.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4195.440	44.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8396.560	45.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12887.200	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

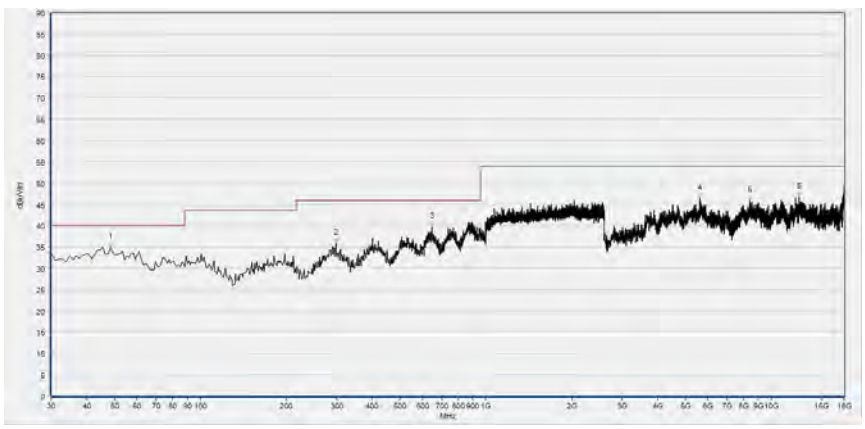
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 39



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
44.550	35.21	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
287.050	34.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
650.800	39.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3687.240	44.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8017.720	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12680.840	46.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

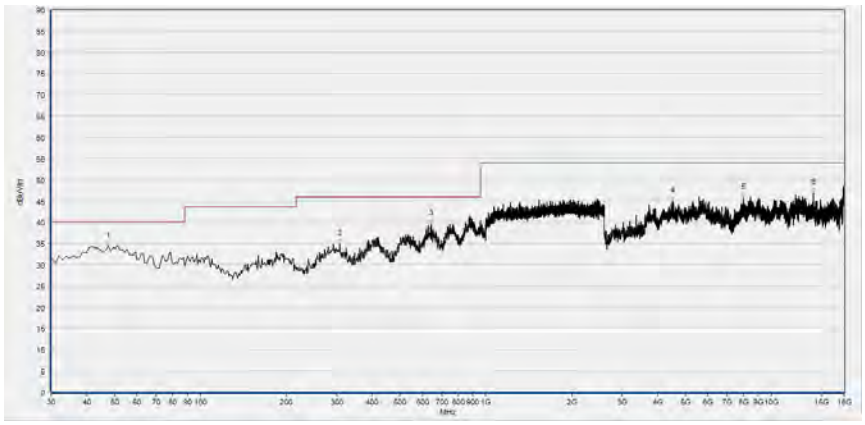
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.430	34.86	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
298.690	35.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
647.890	39.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5621.480	46.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8405.800	45.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12496.040	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

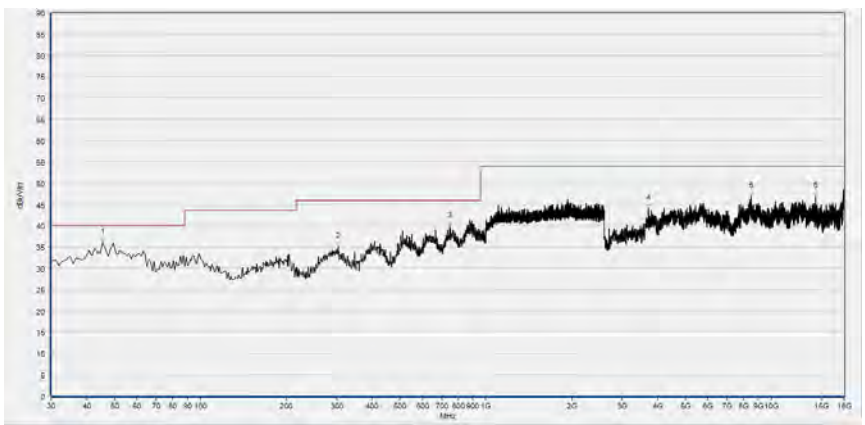
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
47.460	34.30	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
307.420	34.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
644.980	39.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4506.520	44.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7986.920	45.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14029.880	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

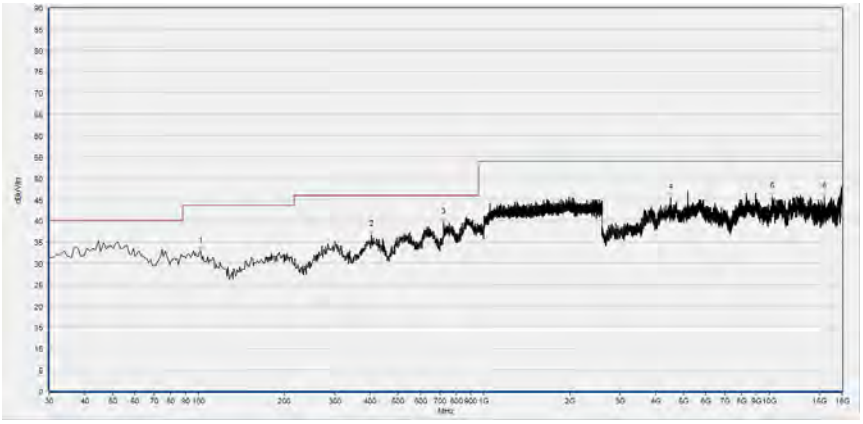


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
45.520	35.95	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
303.540	34.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
748.770	39.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3711.880	44.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8501.280	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14270.120	46.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

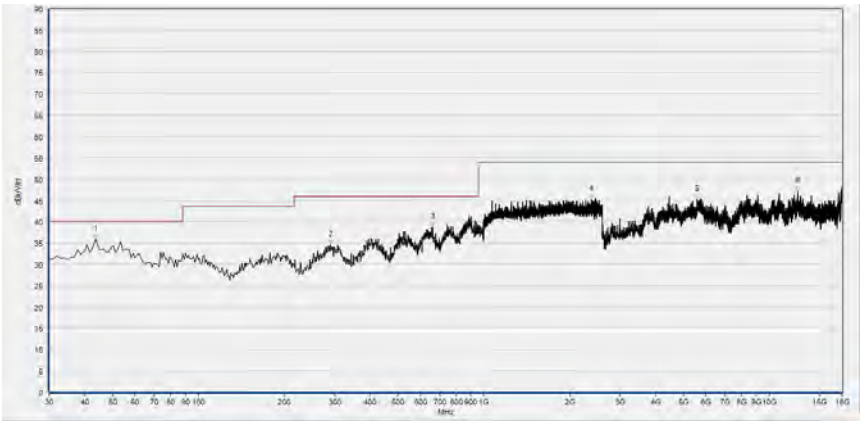
Right, GFSK Mode

Plots for Channel 0



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	32.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
403.450	36.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
723.550	39.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4509.600	45.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10210.680	45.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15600.680	45.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

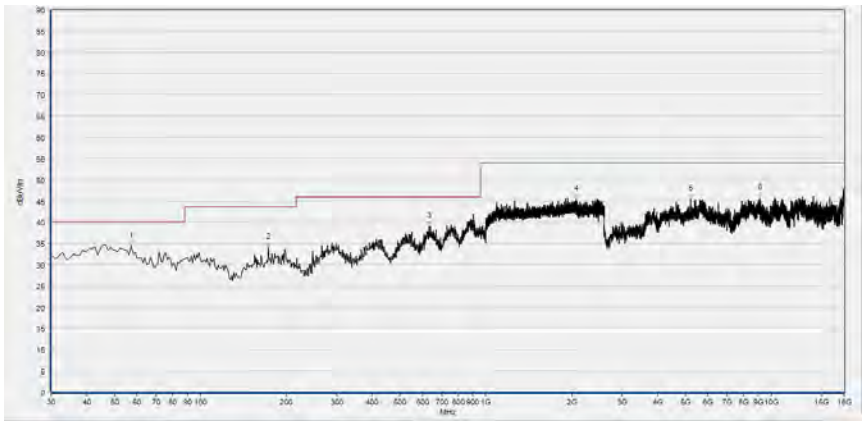
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
43.580	35.83	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
289.960	34.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
662.440	38.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2376.000	45.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5575.280	45.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12600.760	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

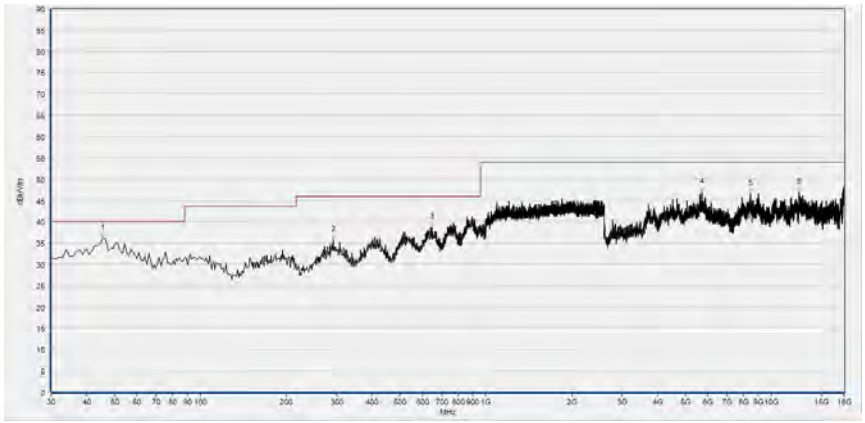
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 39



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
57.160	34.38	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
172.590	33.99	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
632.370	38.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2074.667	45.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5227.240	45.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9117.280	45.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

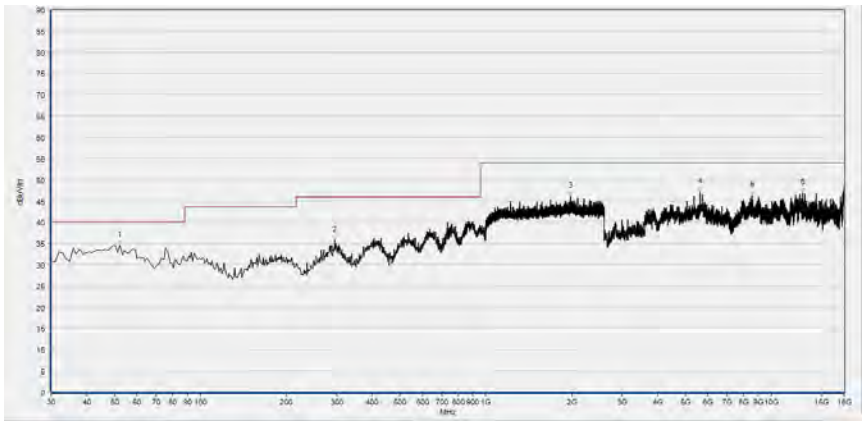
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
45.520	36.06	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
291.900	35.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
645.950	38.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5707.720	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8436.600	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12483.720	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

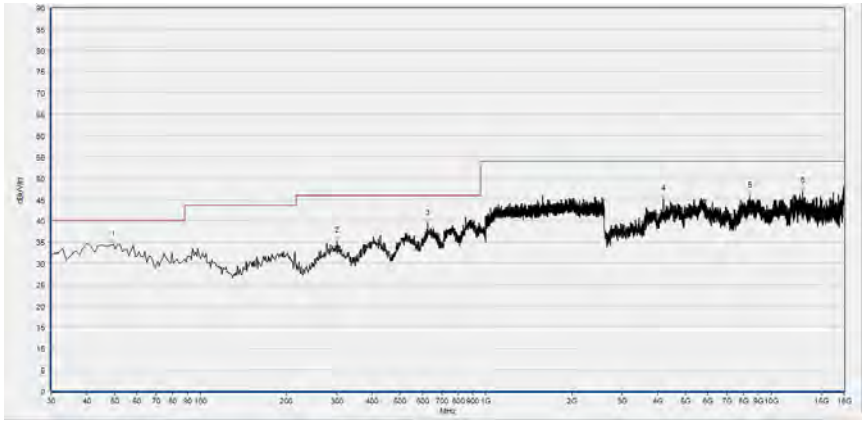
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
52.310	34.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
294.810	35.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1979.733	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5633.800	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8535.160	46.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12899.520	46.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

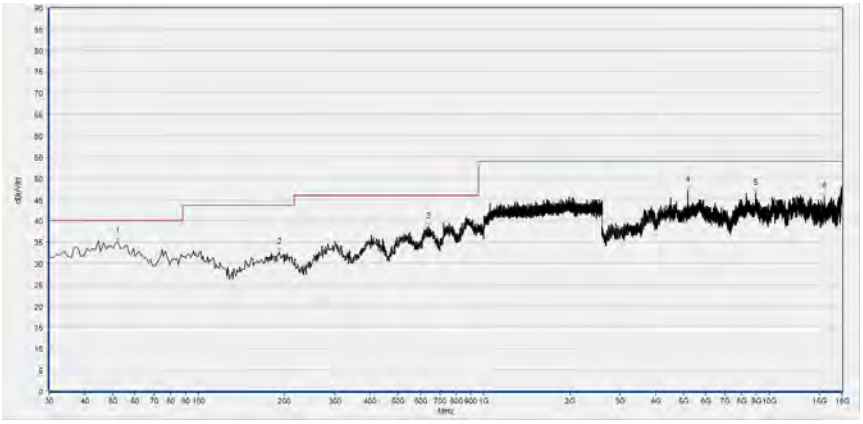


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.400	34.33	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
301.600	35.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
626.550	39.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4198.520	45.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8411.960	45.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12908.760	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

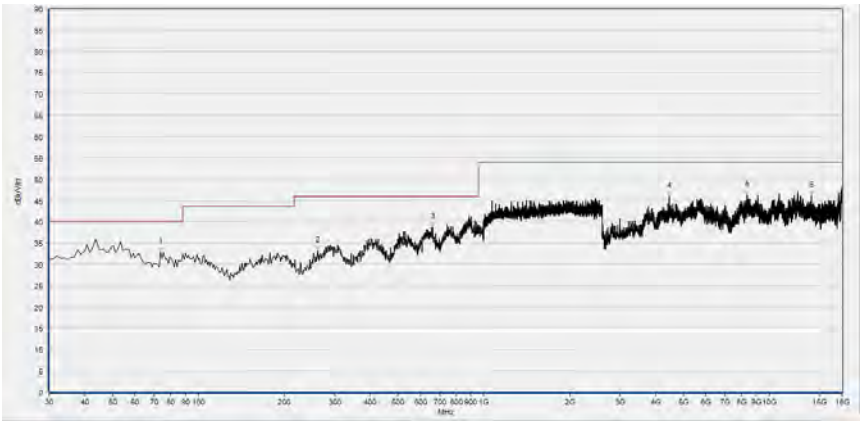
π/4-DQPSK Mode

Plots for Channel 0



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
52.310	34.95	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
191.990	32.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
641.100	38.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5184.120	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8975.600	46.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15600.680	45.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

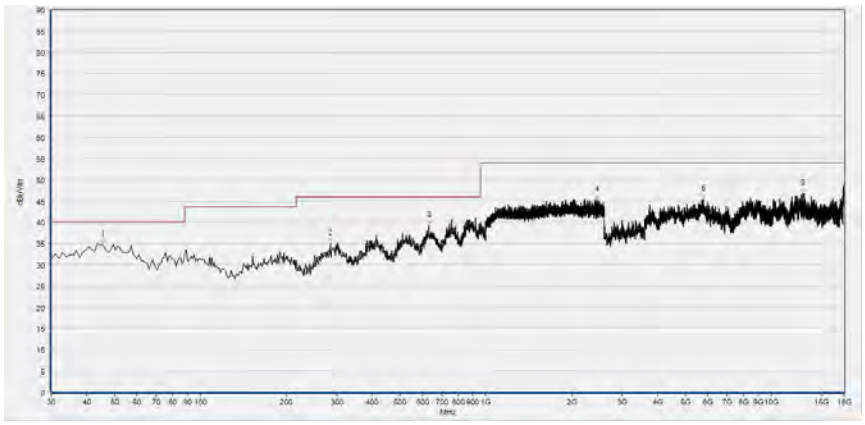
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.650	32.83	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
261.830	33.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
662.440	38.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4469.560	45.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8344.200	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14073.000	46.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

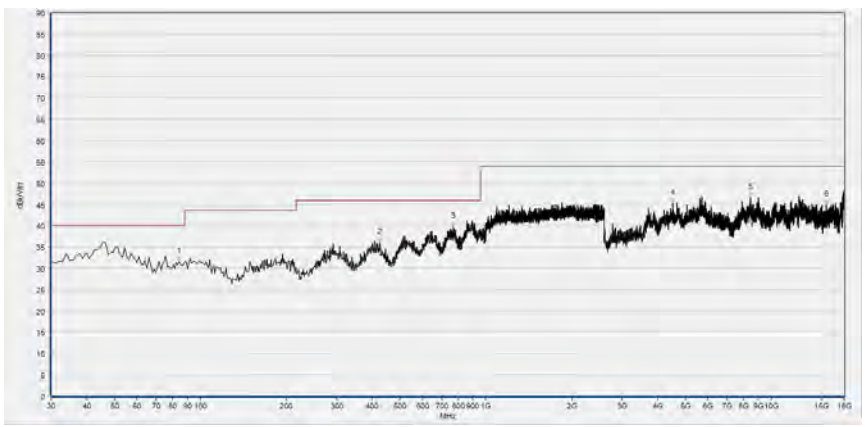
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 39



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
45.520	34.66	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
286.080	34.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
631.400	39.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2453.333	45.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5797.040	45.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	46.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

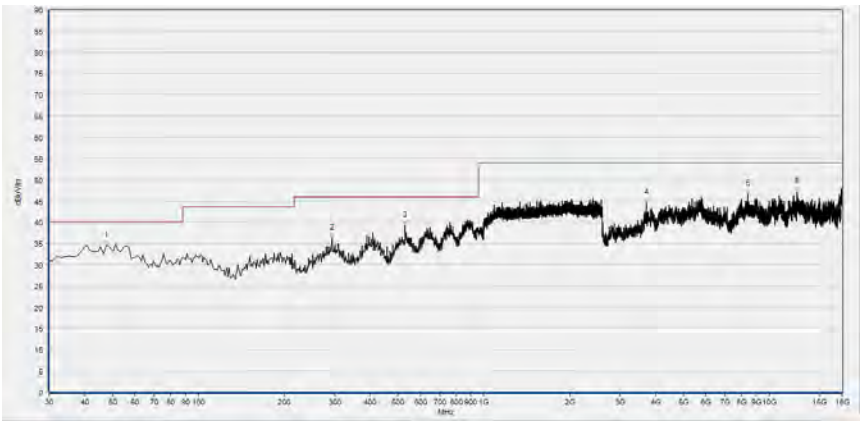
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
84.320	31.51	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
425.760	36.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
771.080	39.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4521.920	45.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8436.600	46.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15594.520	44.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

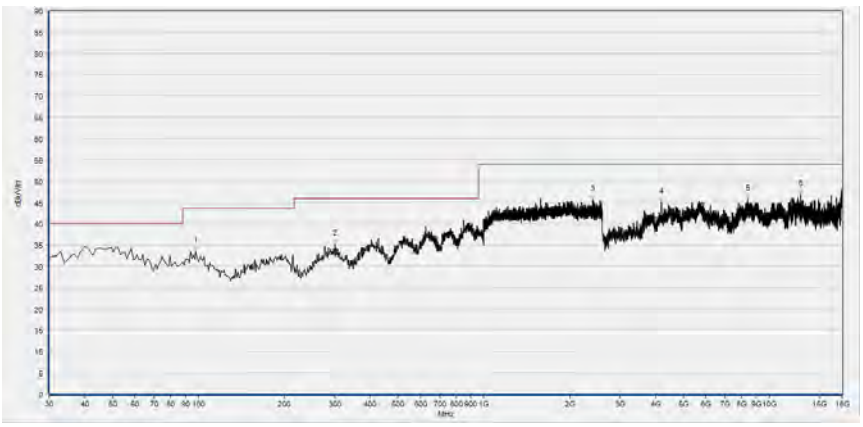
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
47.460	34.53	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
293.840	36.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
530.520	39.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3711.880	44.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8411.960	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12502.200	47.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

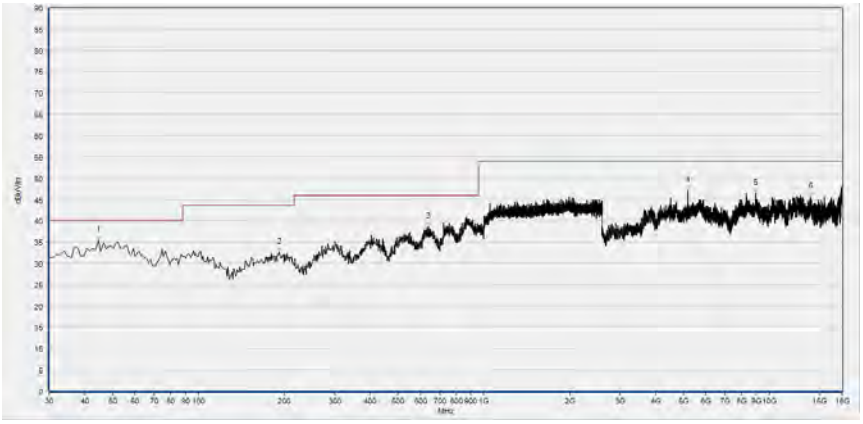


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	33.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
301.600	35.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2406.933	45.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4198.520	45.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8411.960	45.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12908.760	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

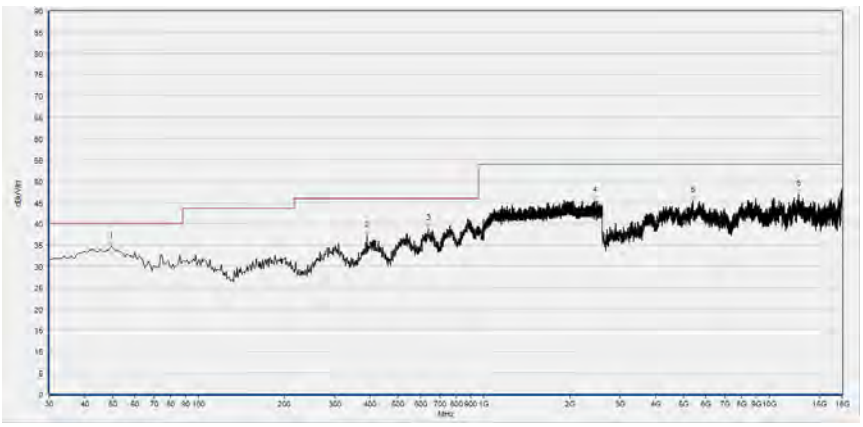
8-DPSK Mode

Plots for Channel 0



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
44.550	35.38	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
191.990	32.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
641.100	38.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5184.120	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8975.600	46.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13996.000	45.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

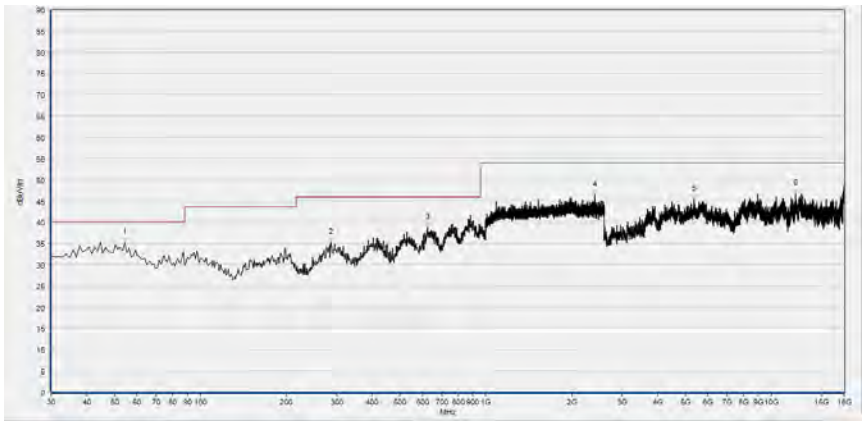
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.400	34.75	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
389.870	37.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
638.190	38.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2457.067	45.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5399.720	45.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12680.840	46.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

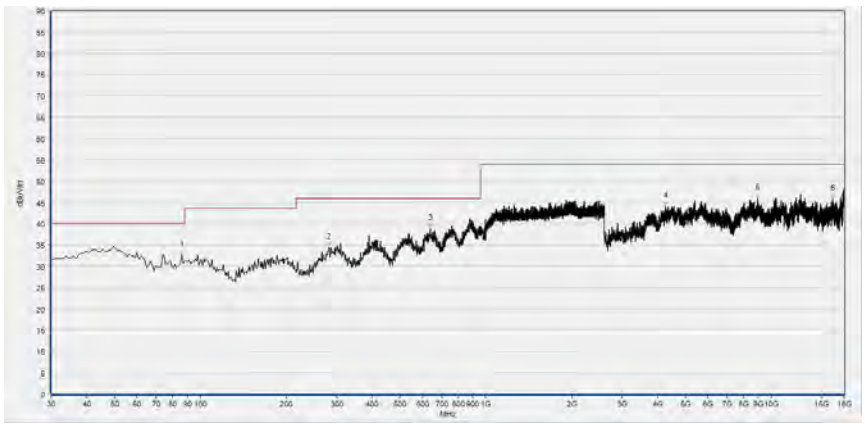
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 39



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
54.250	35.14	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
288.020	35.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
623.640	38.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.333	46.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5375.080	45.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12141.840	46.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

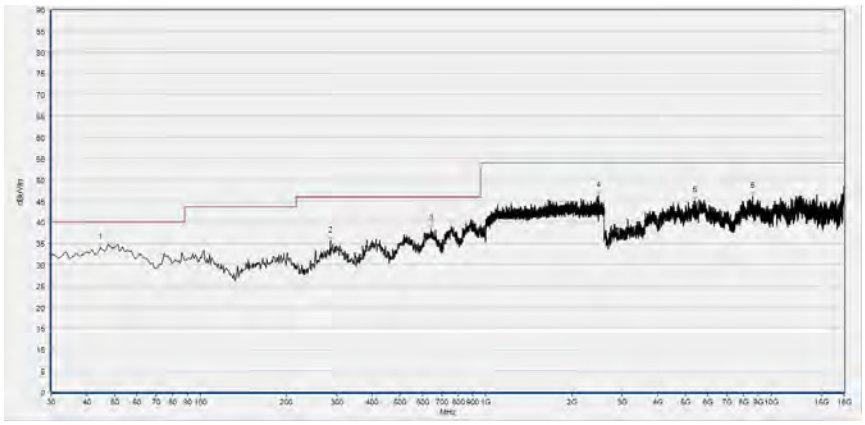
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
86.260	32.54	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
282.200	34.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
638.190	38.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4272.440	44.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8972.520	45.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16404.560	45.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

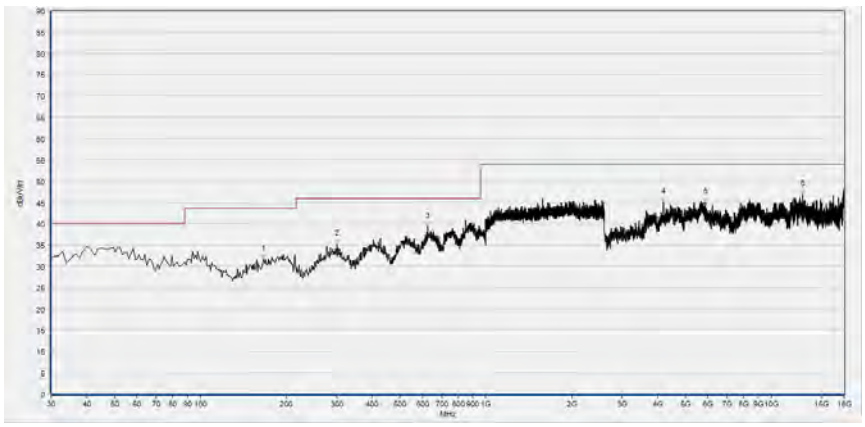
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
44.550	34.07	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
285.110	35.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
642.070	38.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2479.467	46.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5393.560	45.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8609.080	46.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
165.800	31.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
301.600	35.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
626.550	39.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4198.520	45.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5867.880	45.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12908.760	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

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
Number of Hopping Frequency	±5%
Peak Output Power	±2.22dB
Bandwidth	±5%
Carrier Frequency Separation	±5%
Time of Occupancy (Dwell time)	±5%
Conducted Spurious Emission	±2.77dB
Restricted Frequency Bands	±5%
Radiated Emission	±2.95dB
Conducted Emission	±2.44dB

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

Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.

4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Bluetooth Base Station	6K00006210	MT8852B	Anritsu	2021.03.25	2022.03.24
Directional Coupler	17041703	DTO-5-30	ShangHaiHuaxiang	N/A	N/A
EXA Signal Analzyer	MY53470836	N9010A	Agilent	2021.03.25	2022.03.24
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

4.2 List of Software Used

Description	Manufacturer	Software Version
Test System	Tonscend	V2.5.77.0418
Morlab EMCR V1.2	Morlab	V1.0
TS+ -[JS32-CE]	Tonscend	V2.5.0.0

4.3 Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2021.07.16	2022.07.15
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2022.02.11	2023.02.10
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna – Horn	BBHA9170 #774	BBHA9170	Schwarzbeck	2019.07.26	2022.07.25
Coaxial Cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial Cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L3203	Tonscend	2021.07.16	2022.07.15
18-26.5GHz pre-Amplifier	46732	S10M100L3802	Tonscend	2021.07.16	2022.07.15
26-40GHz pre-Amplifier	56774	S40M400L4002	Tonscend	2021.07.16	2022.07.15
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	2021.07.16	2022.07.15
Anechoic Chamber	N/A	9m*6m*6m	CRT	2020.01.06	2023.01.05

END OF REPORT