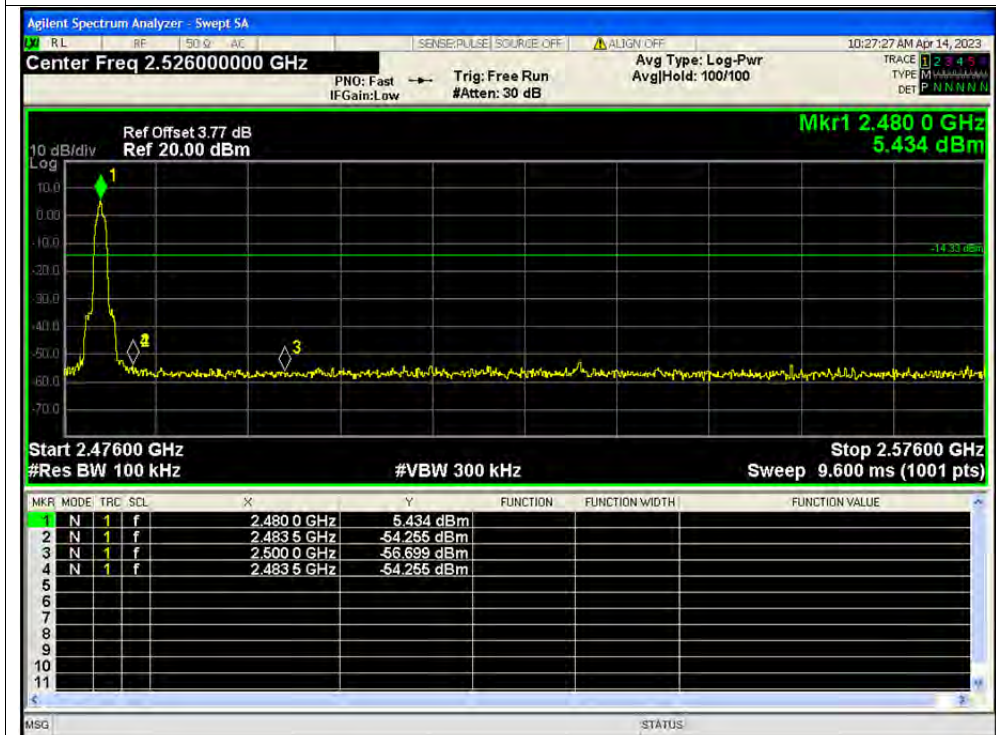




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



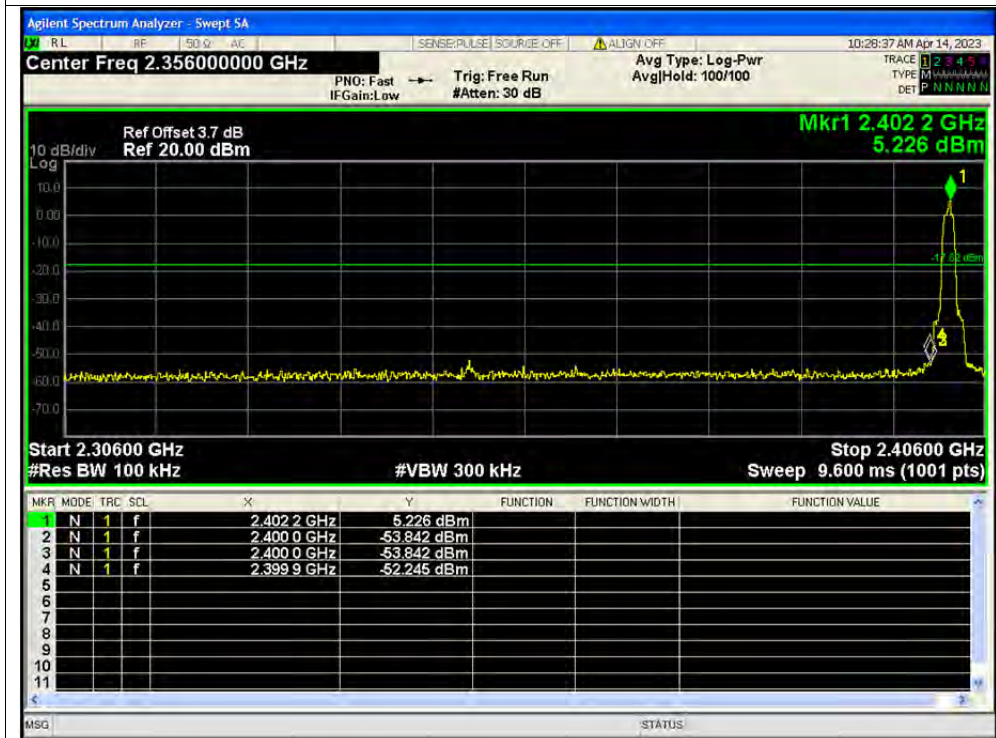
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



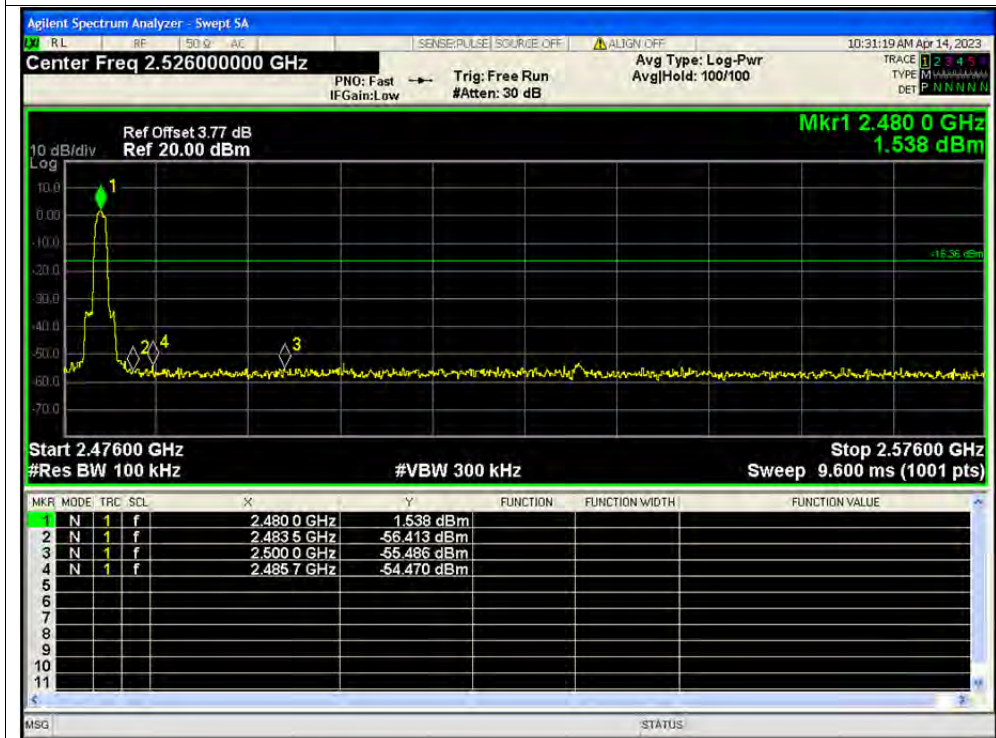
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission





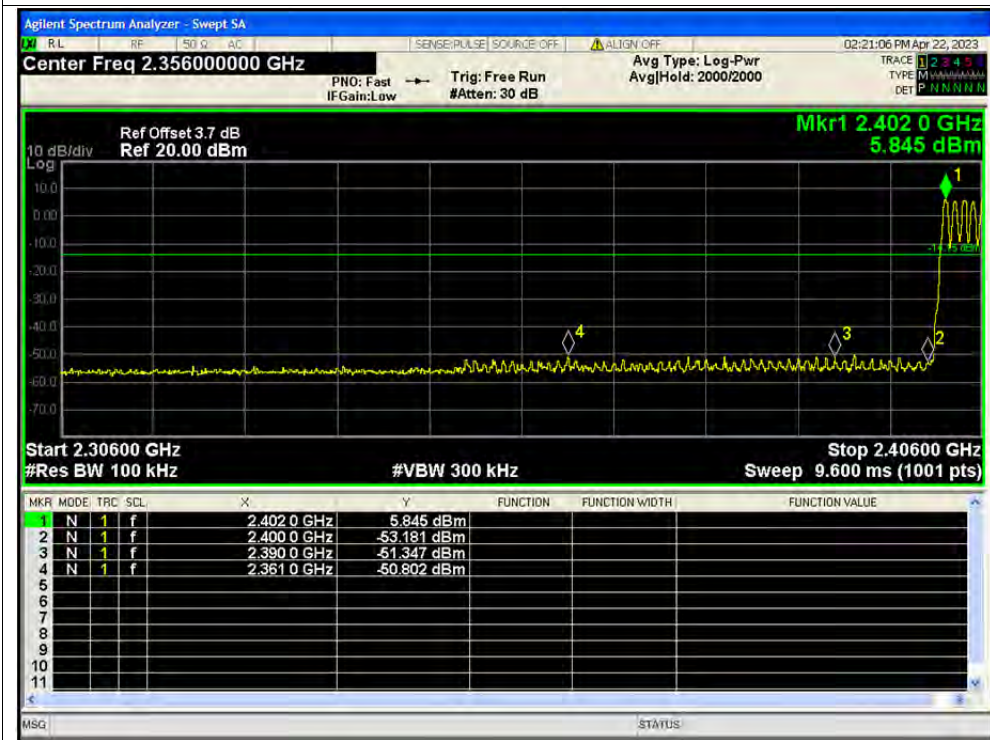
Left

Test Graphs

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



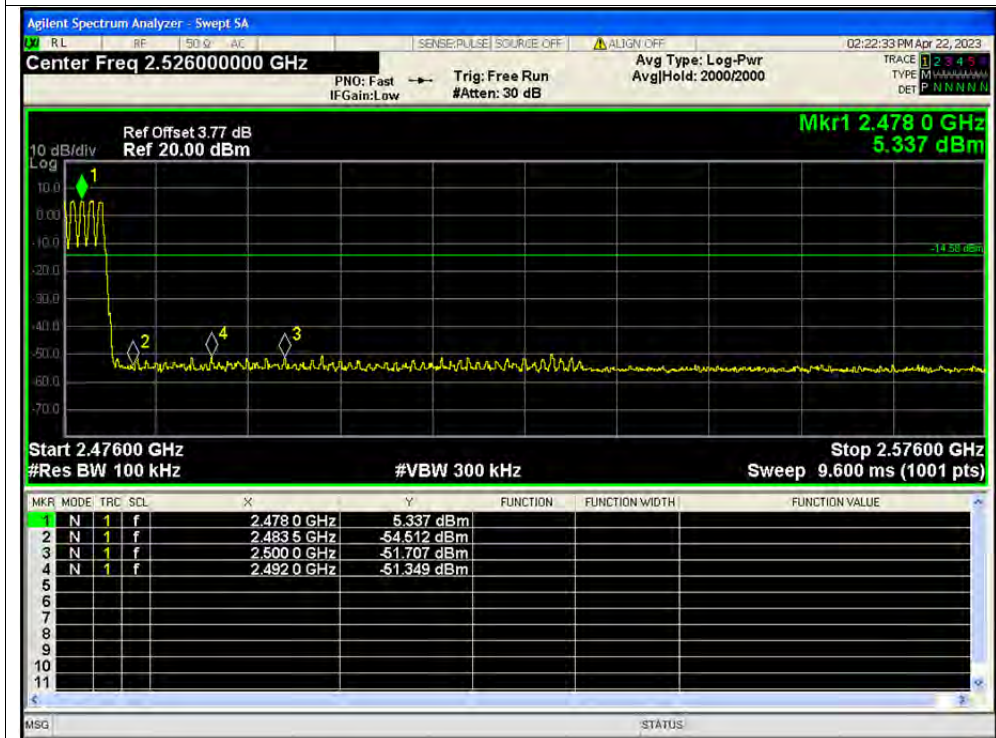
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

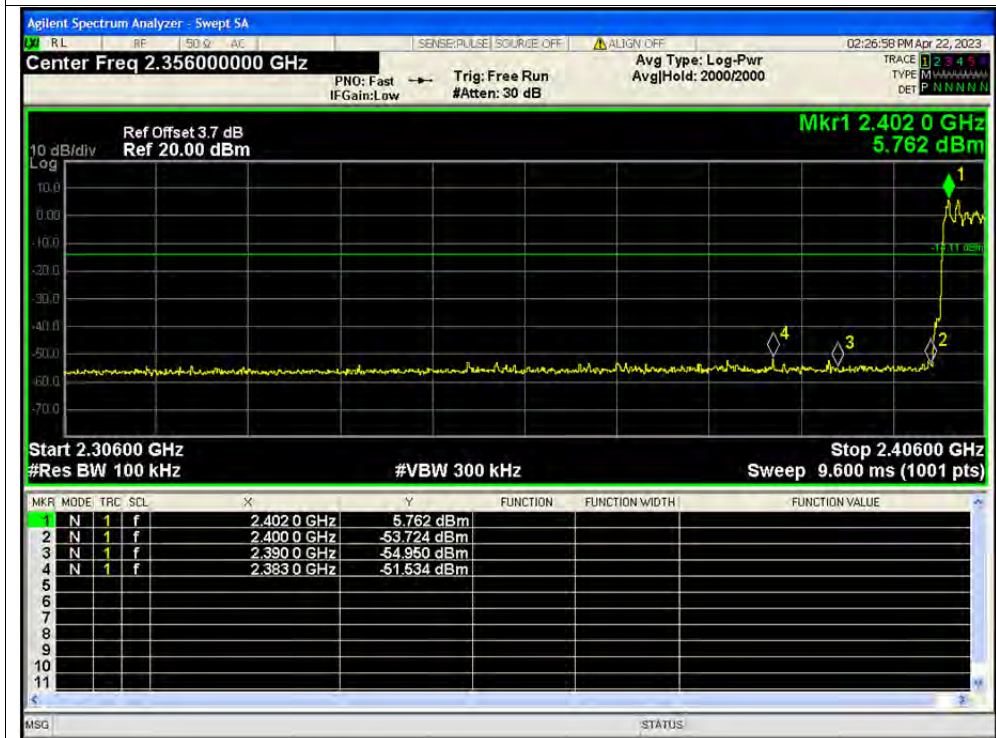




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



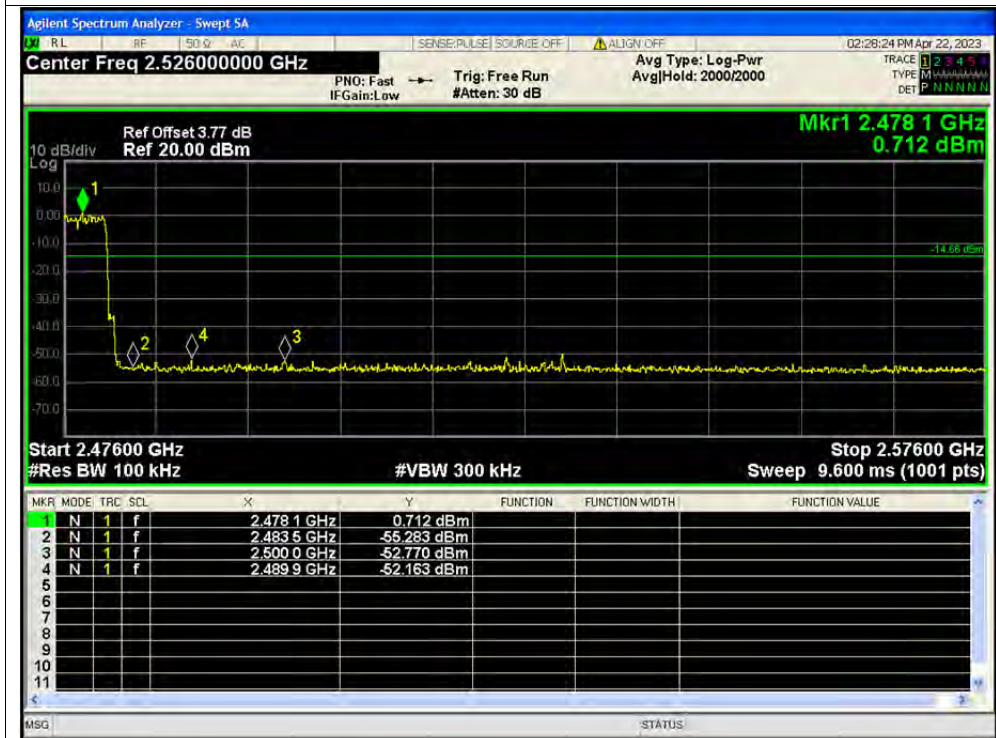




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

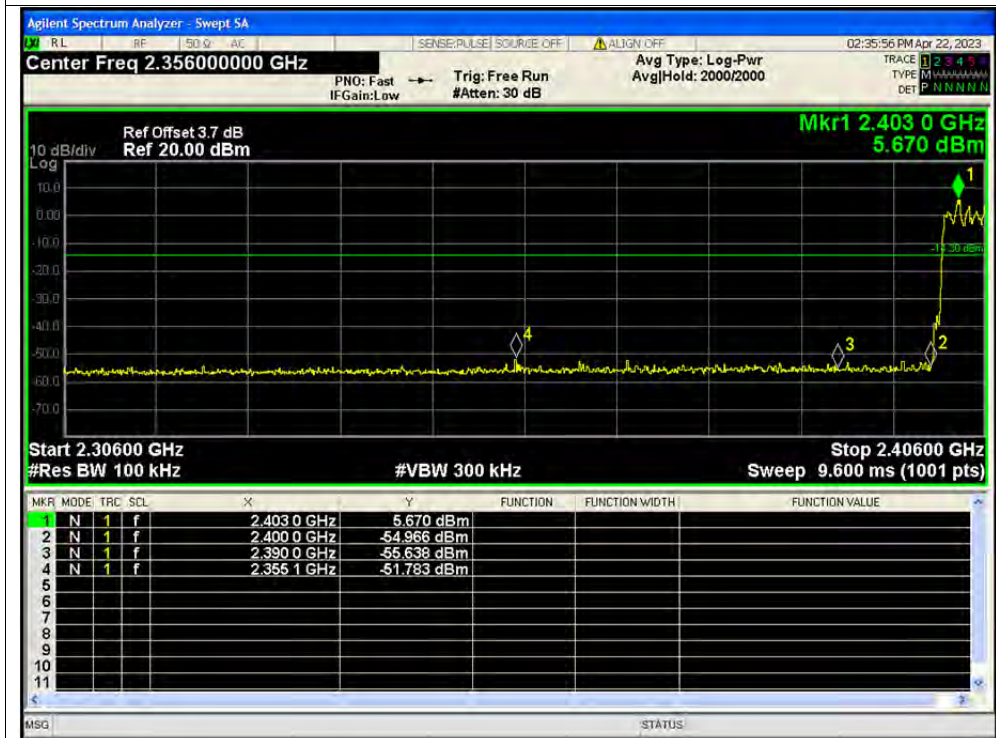




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



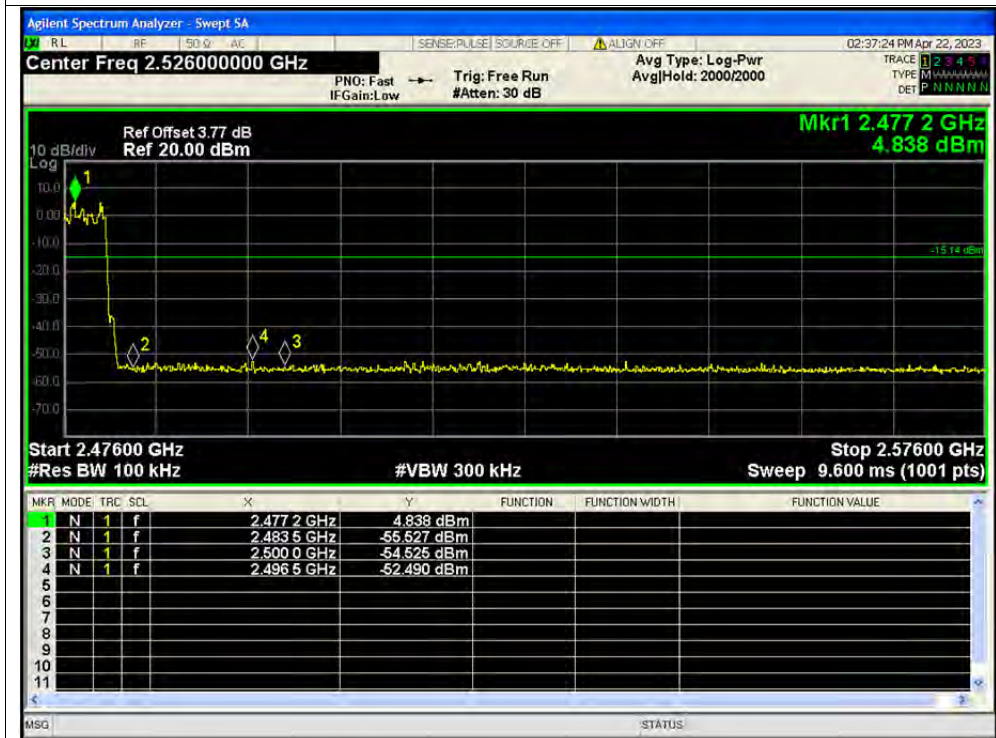


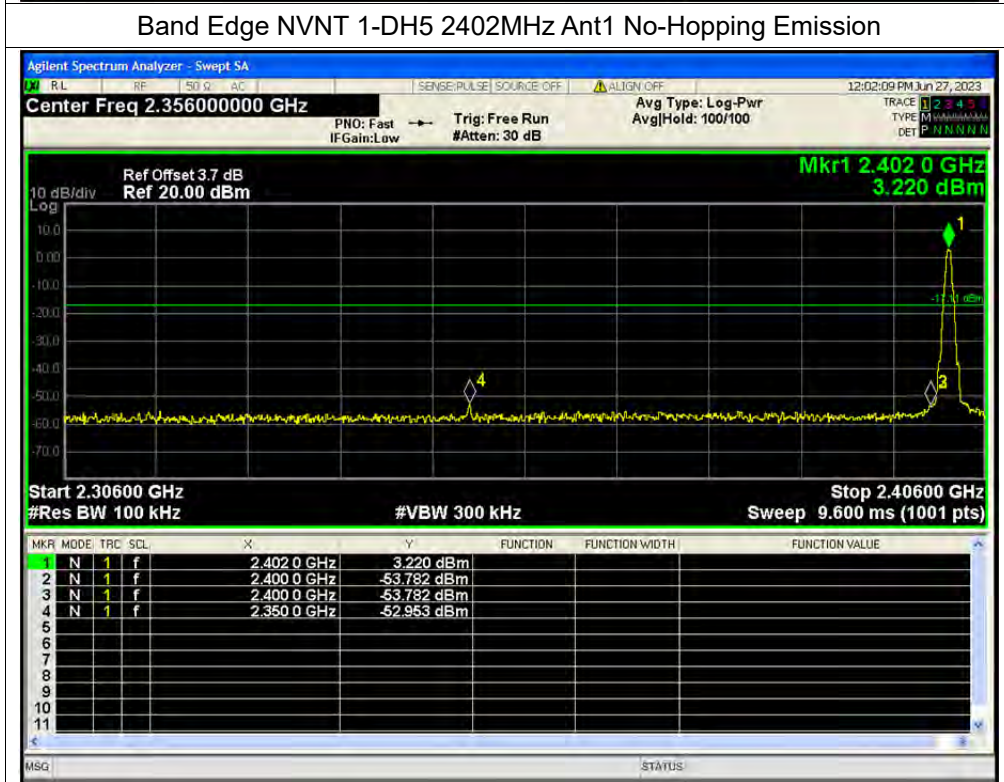
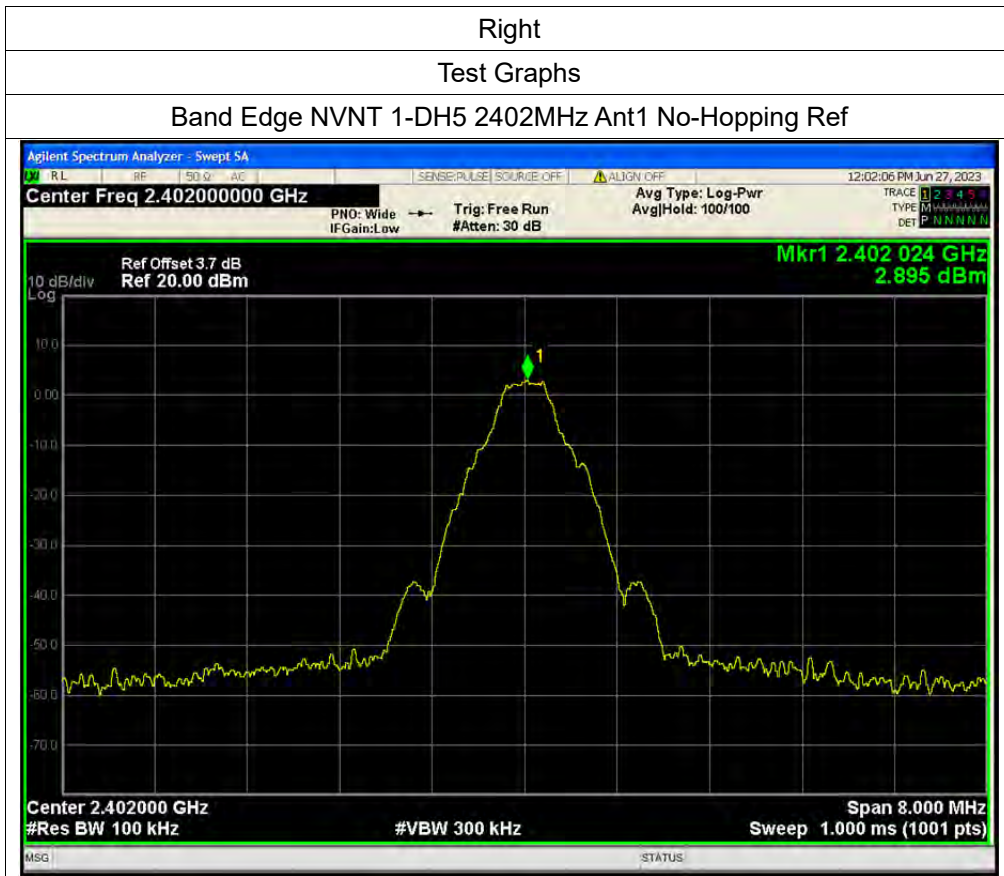


Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



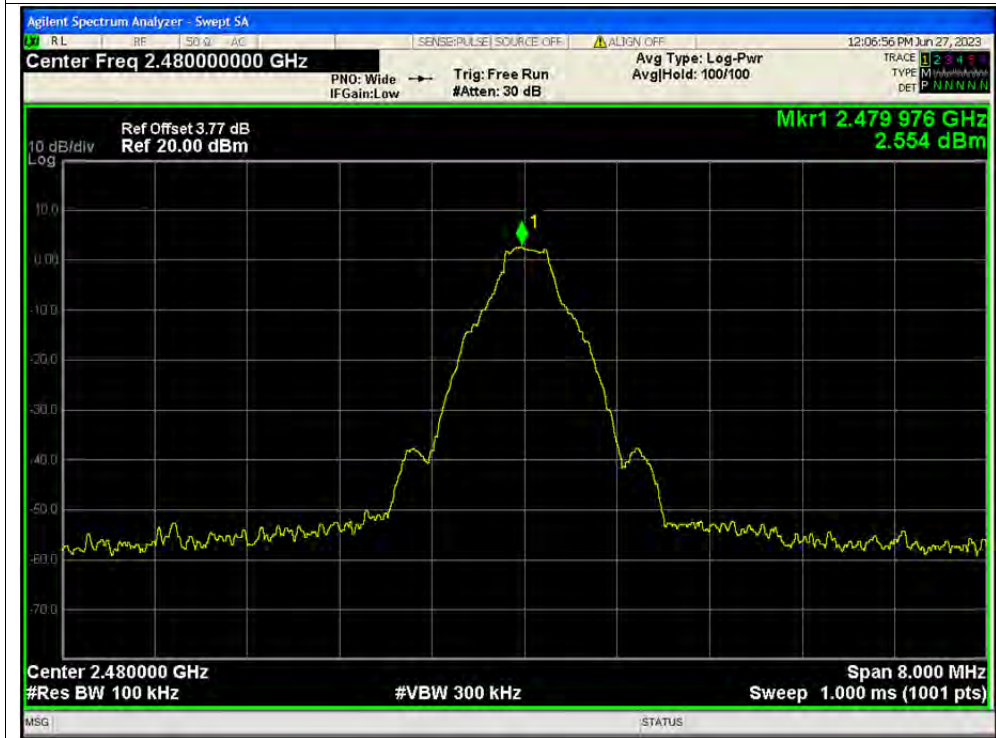
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission



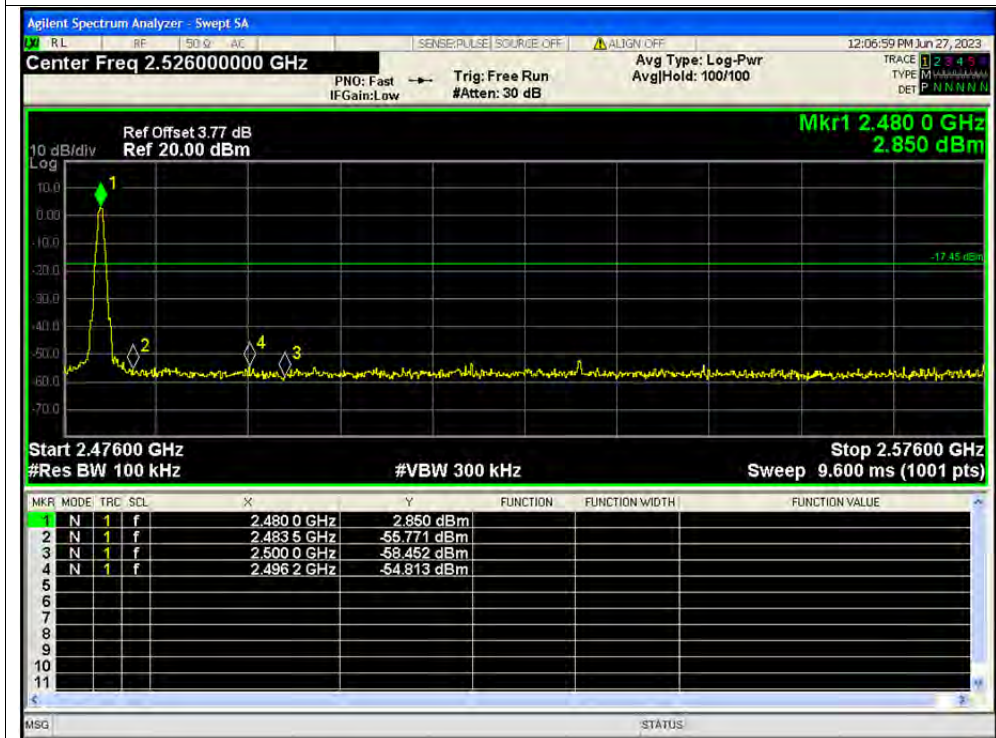




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



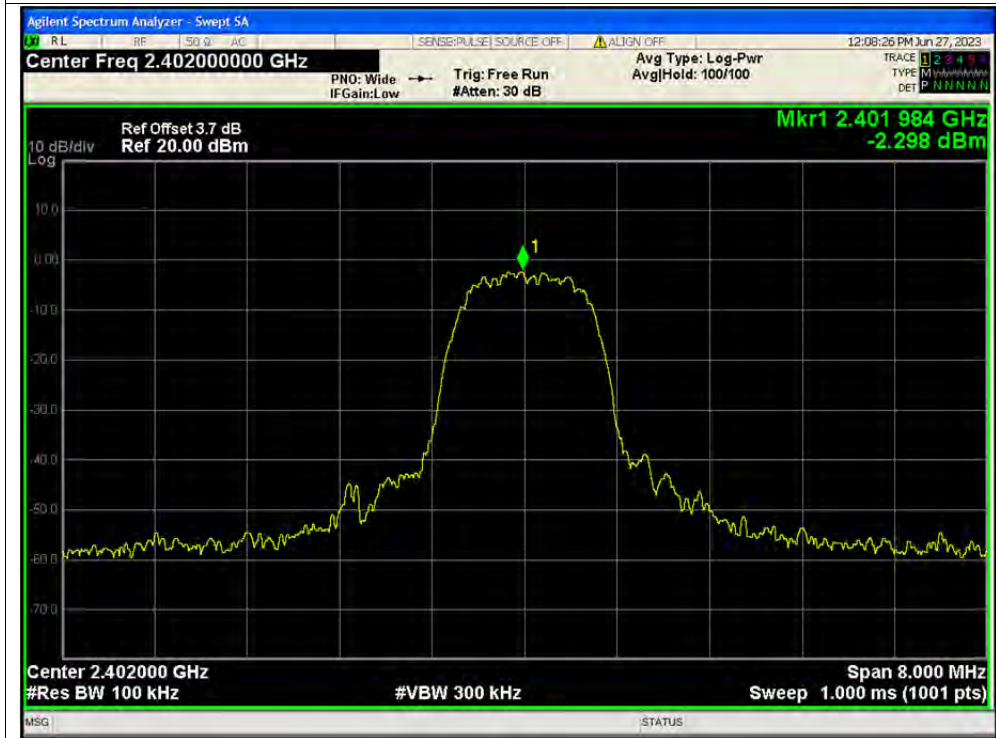
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



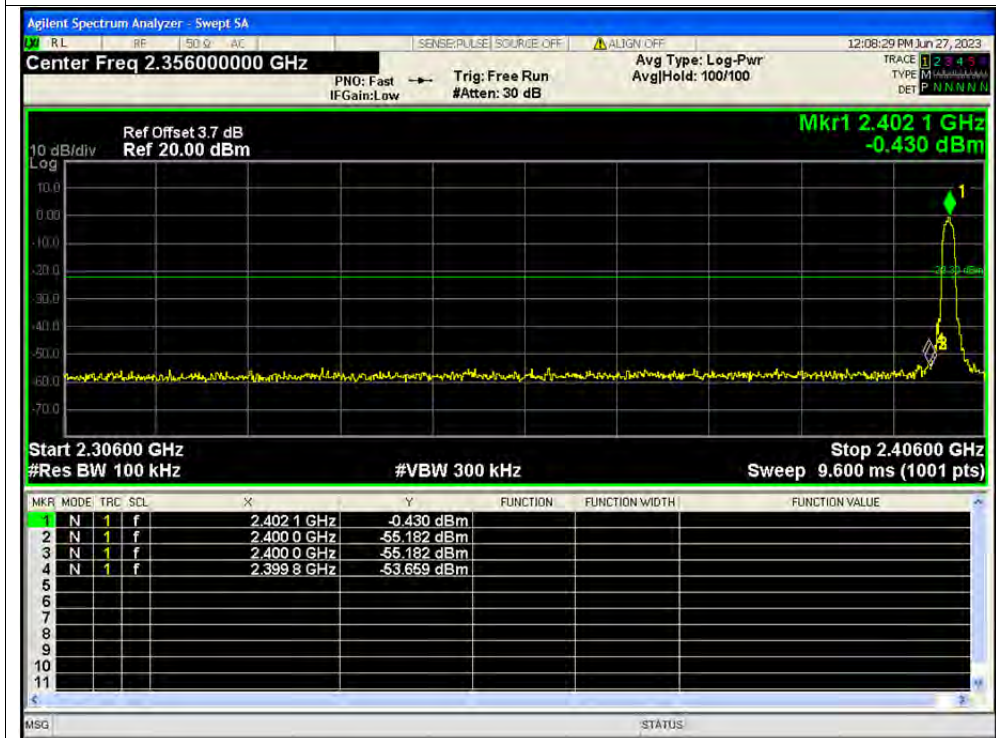




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

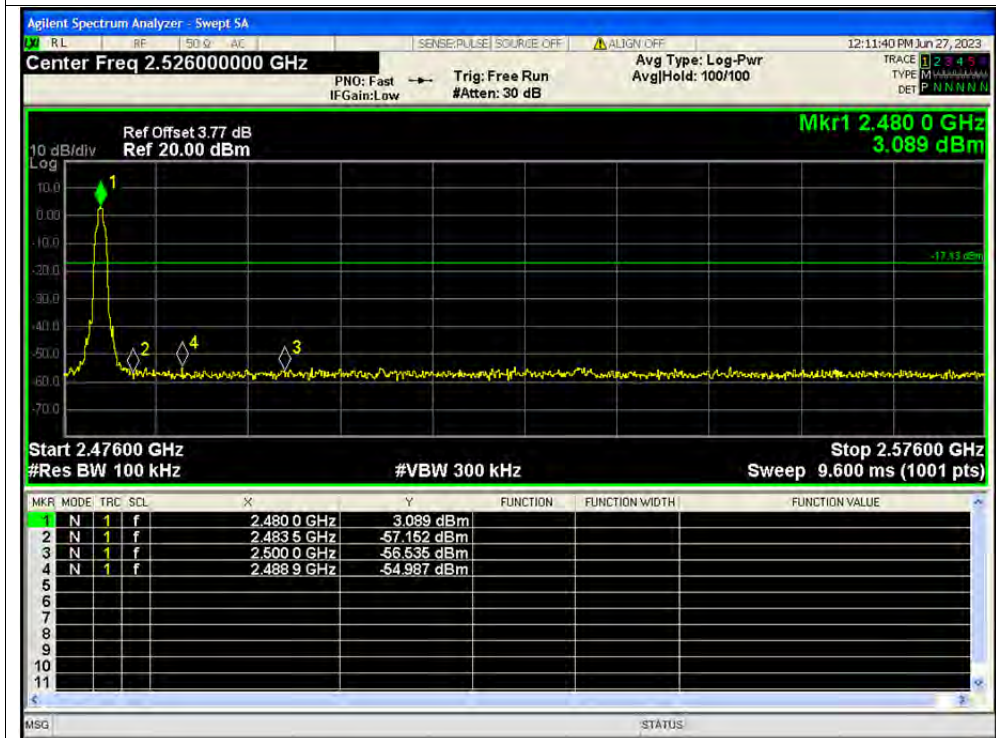




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

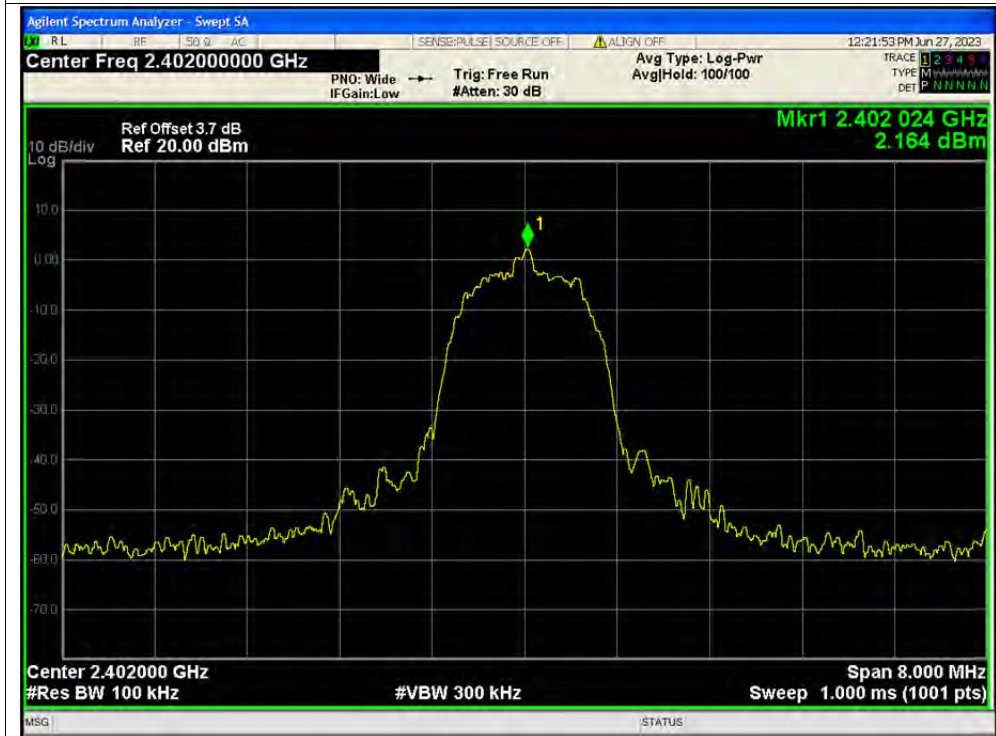


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

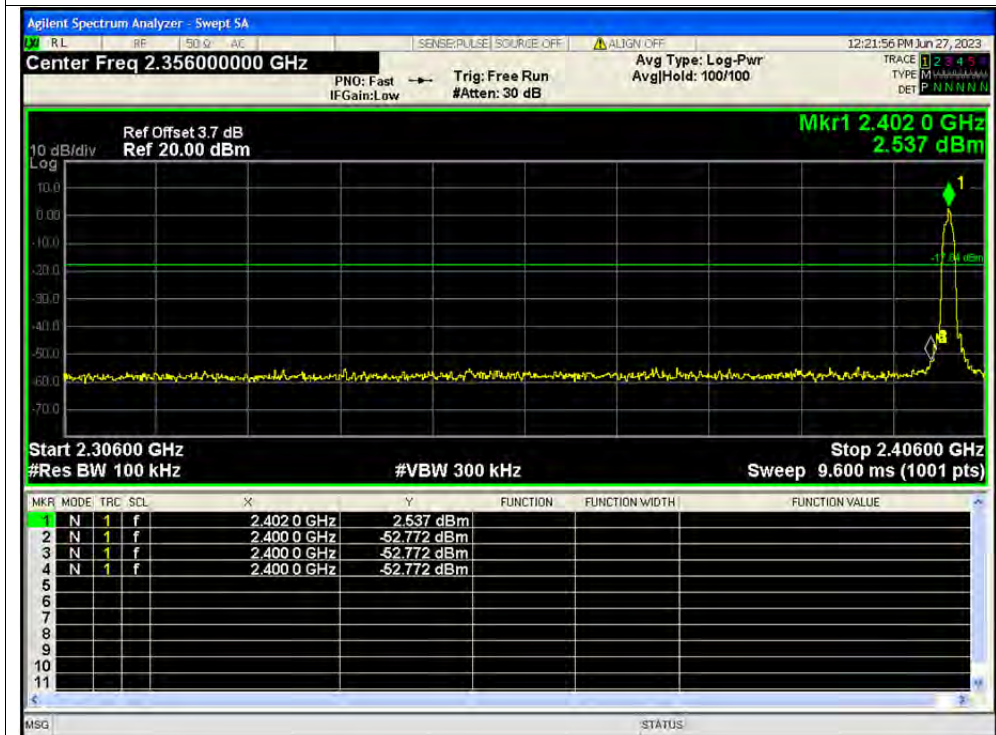




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

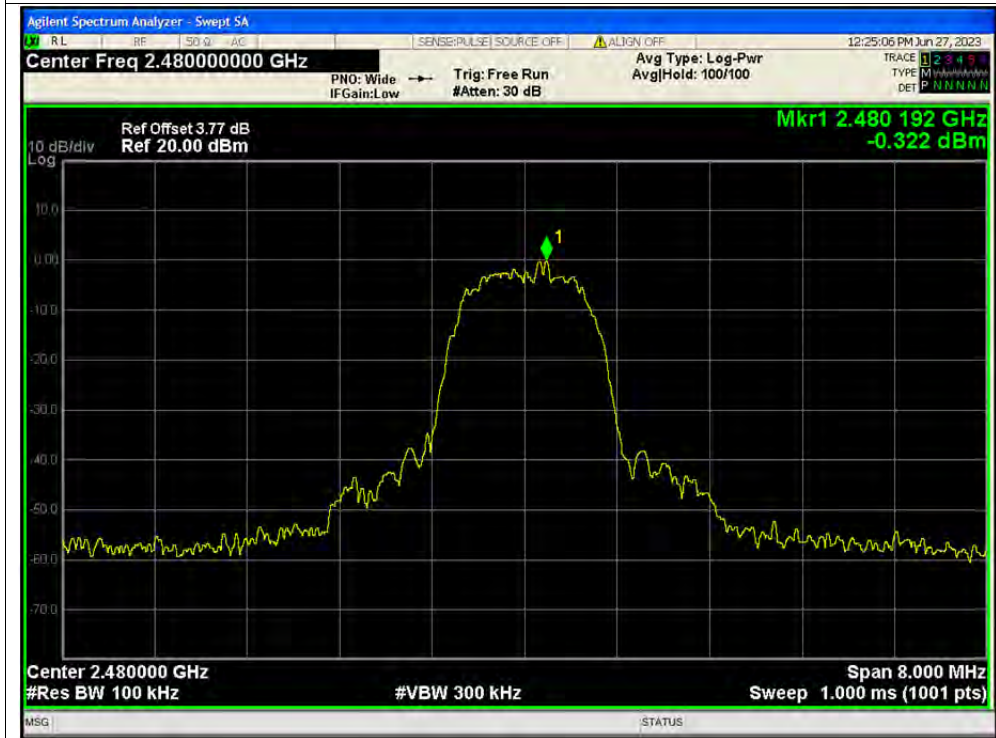


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

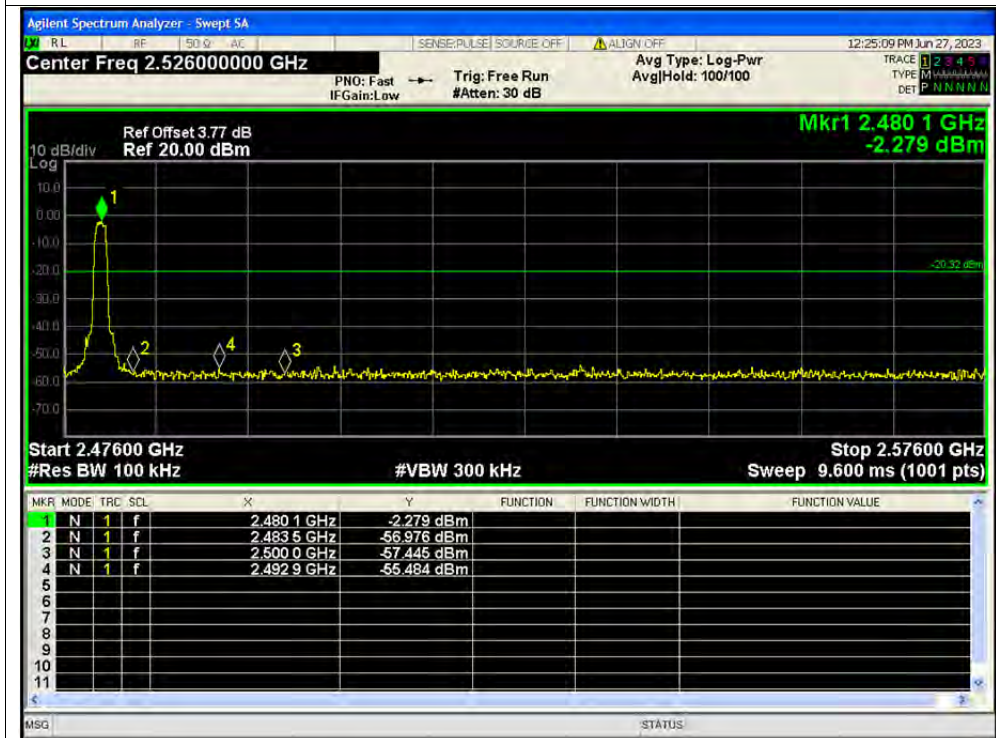


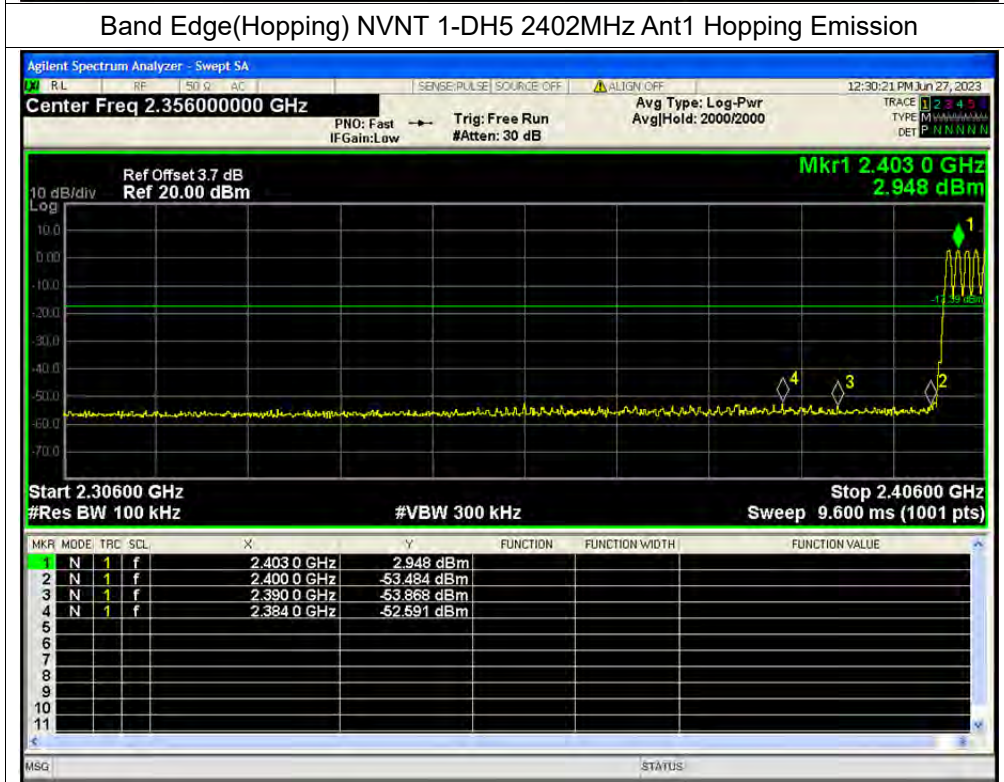
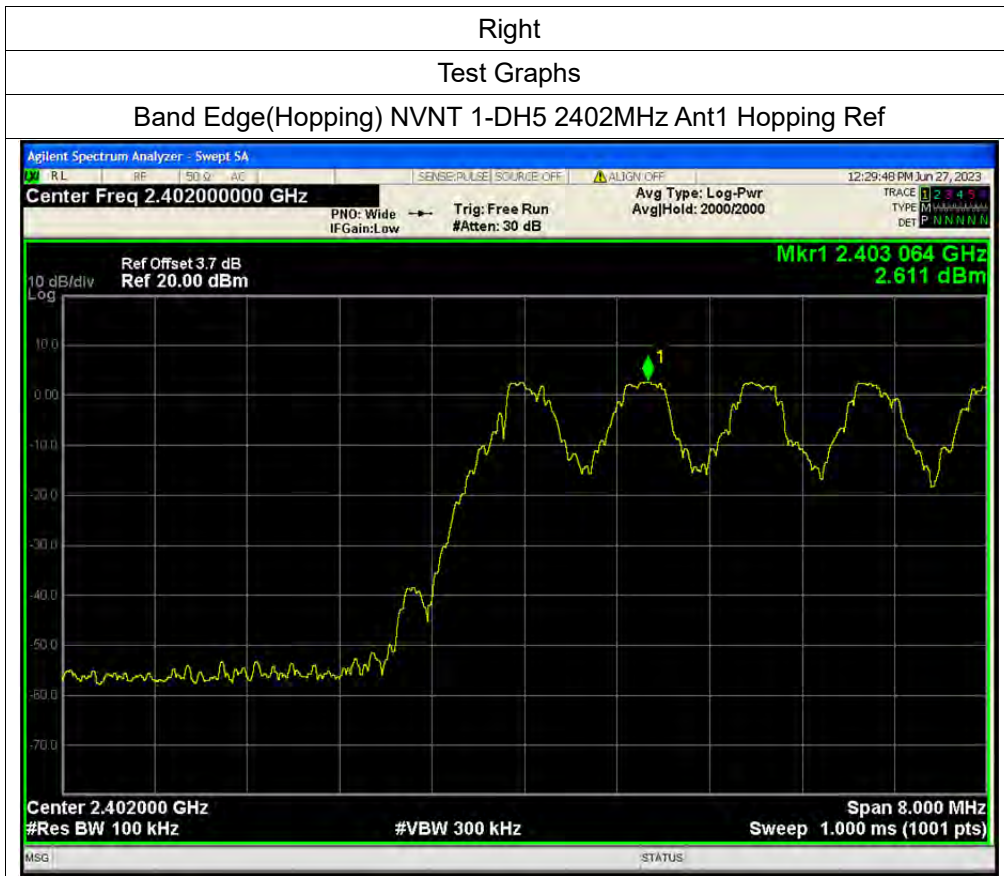


Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission



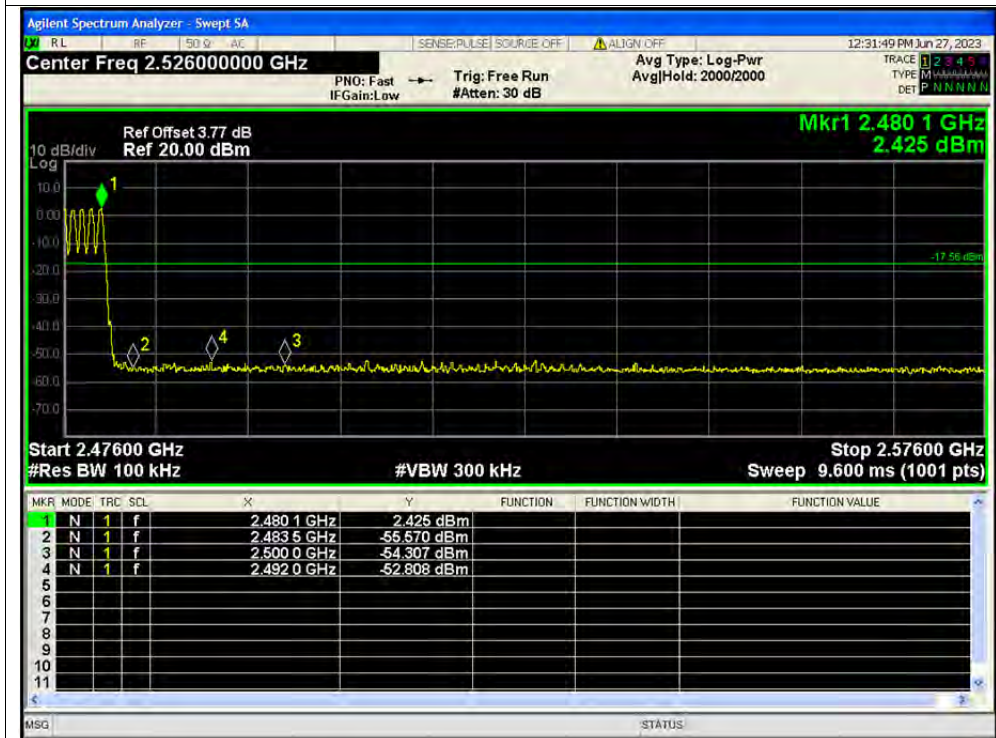




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

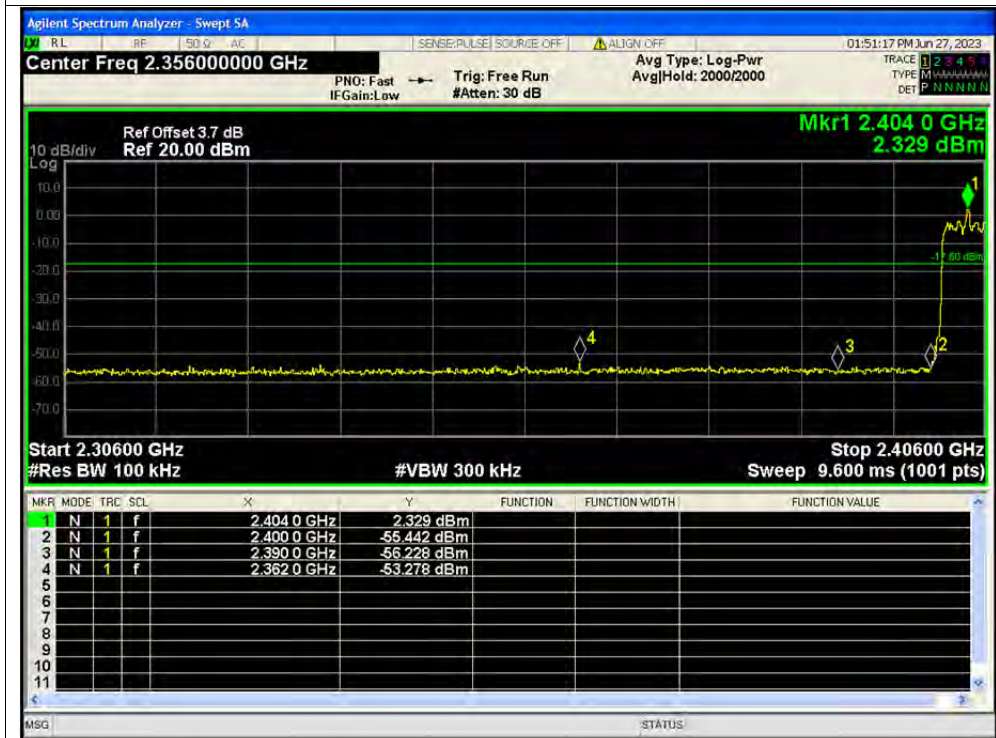




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



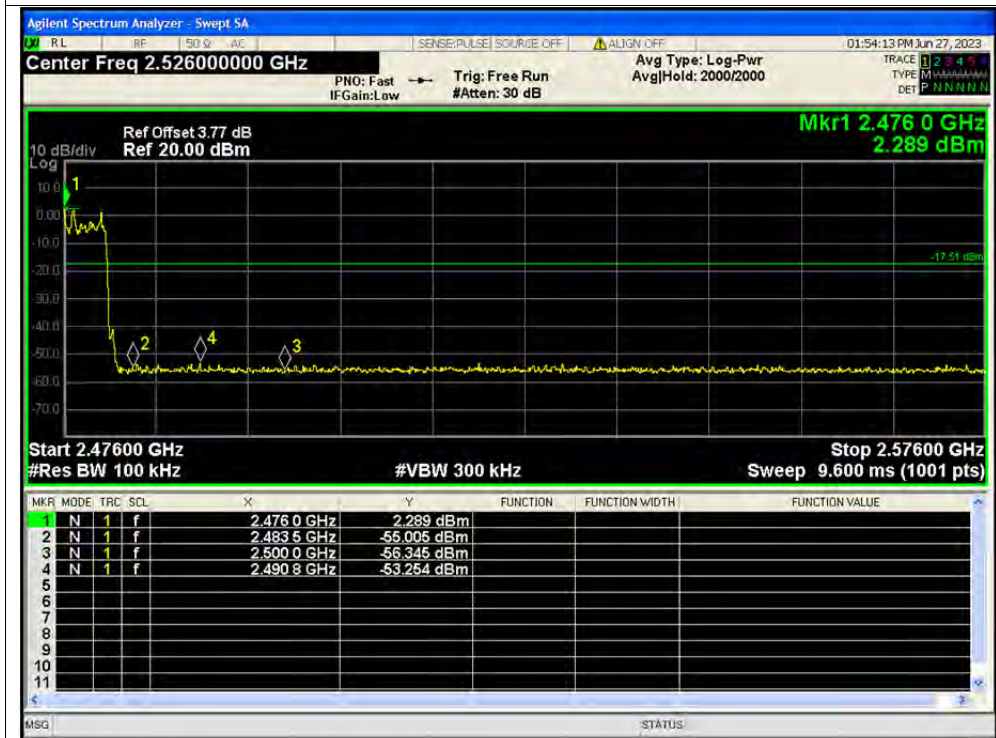
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

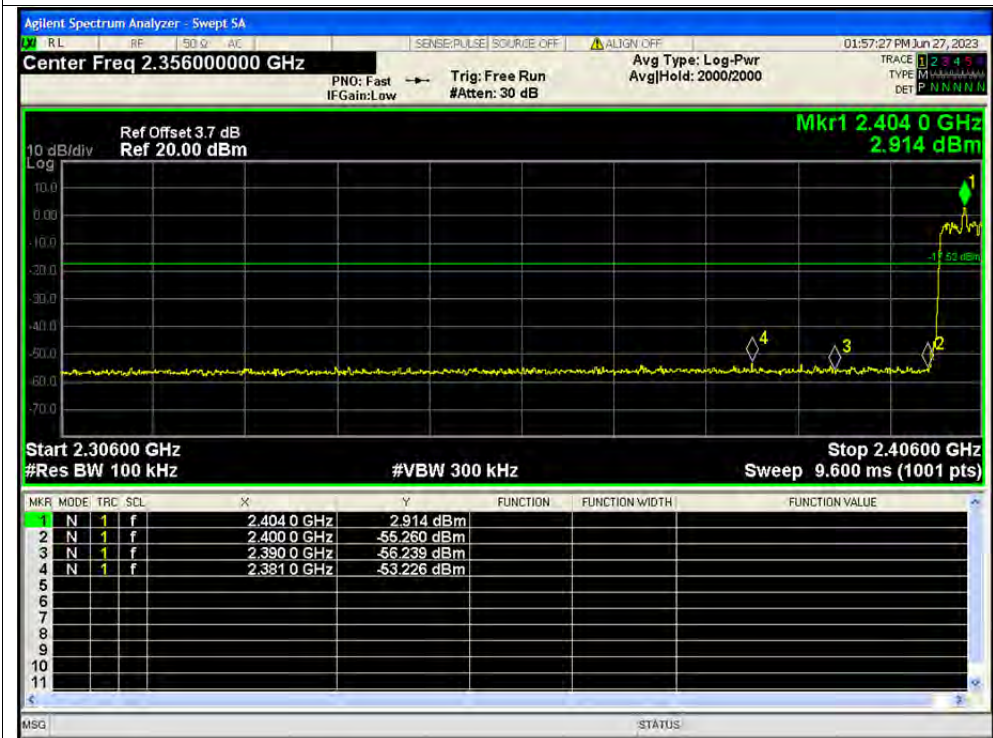




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

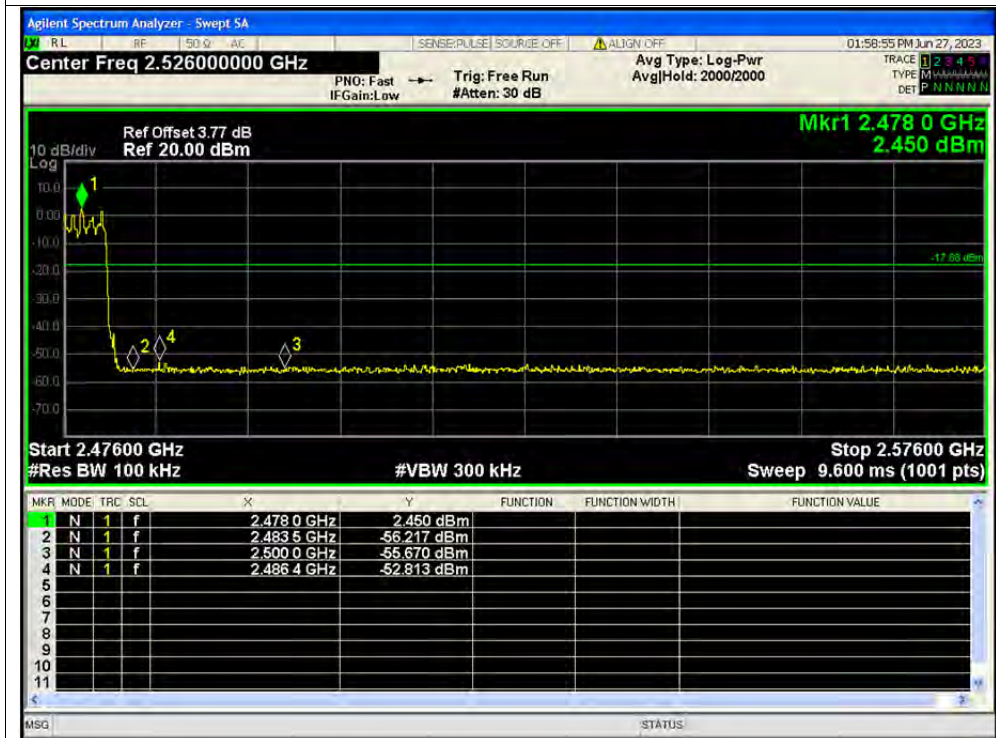




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission





REPORT No.: SZ23040004W02

#### A.10. Conducted Emission

This test case does not apply this kind of EUT.



**A.11. Restricted Frequency Bands**

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

The measurement results are obtained as below:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : 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.

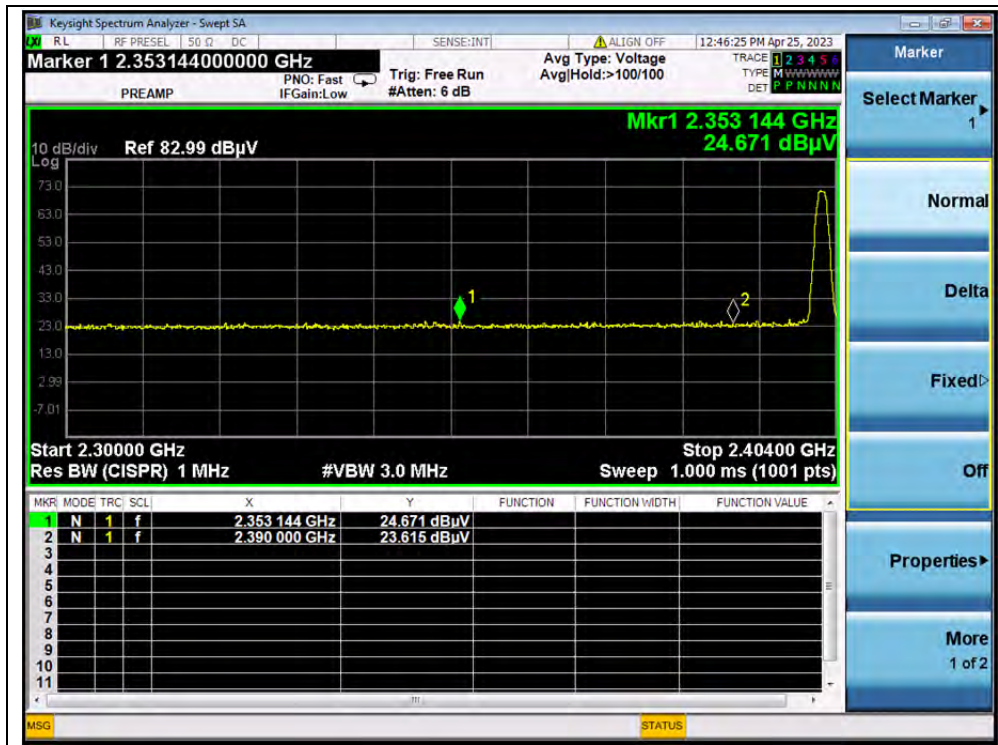
**Left**

**GFSK Mode**

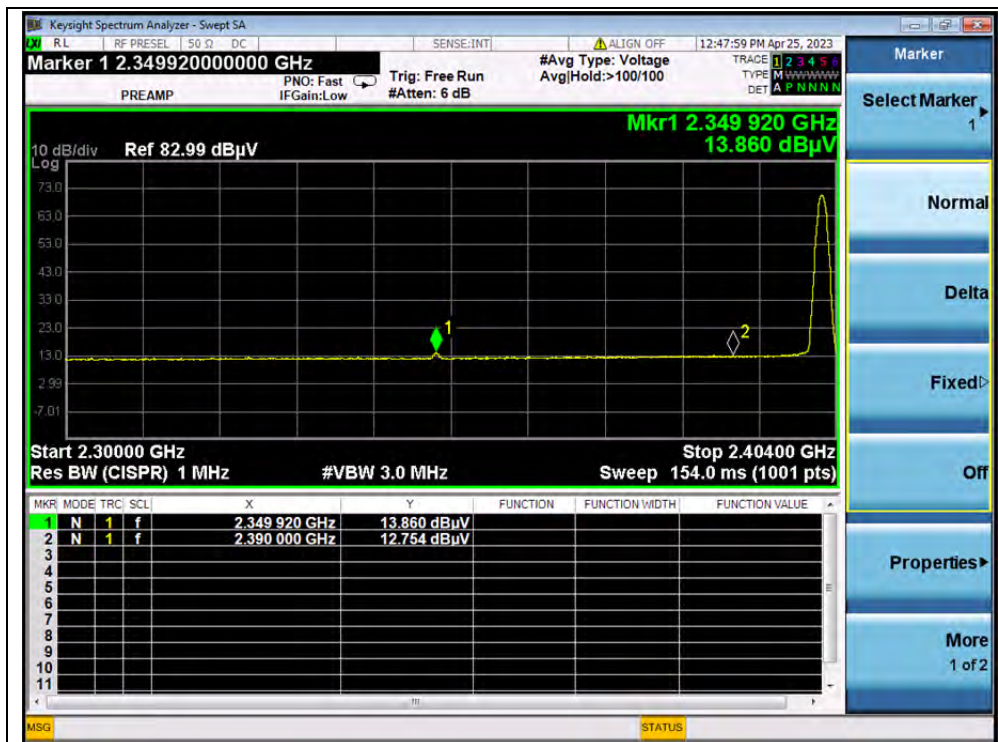
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{\text{Factor}}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
0	2353.14	PK	24.67	6.74	27.20	58.61	74	PASS
0	2349.92	AV	13.86	6.74	27.20	47.80	54	PASS
78	2481.13	PK	24.19	6.74	27.20	58.13	74	PASS
78	2487.17	AV	14.28	6.74	27.20	48.22	54	PASS



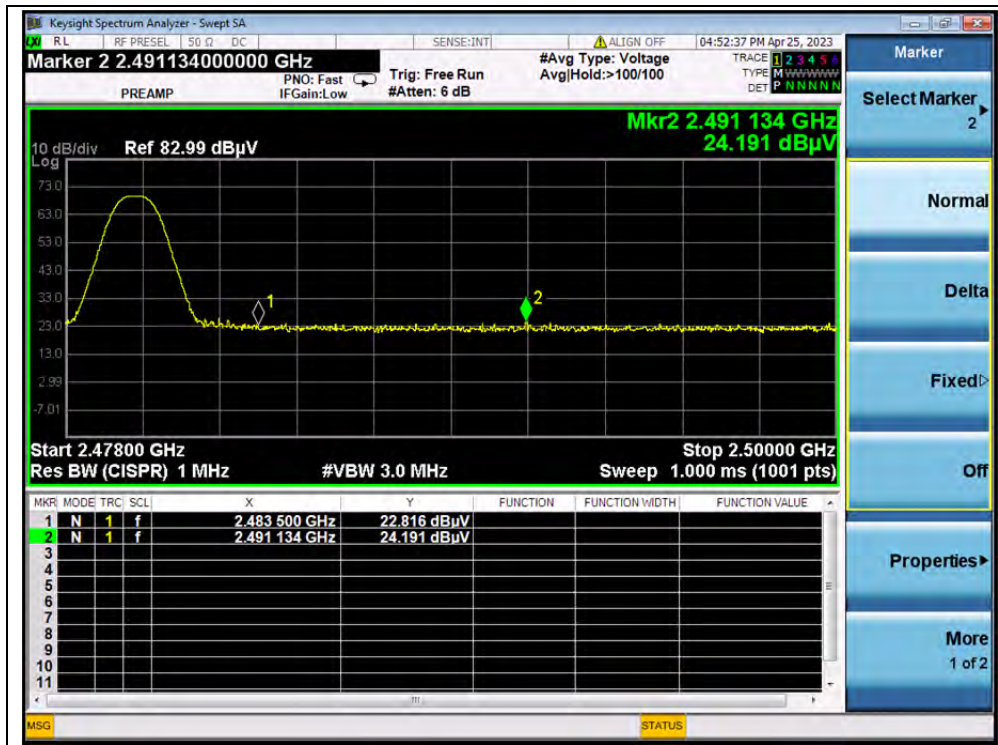




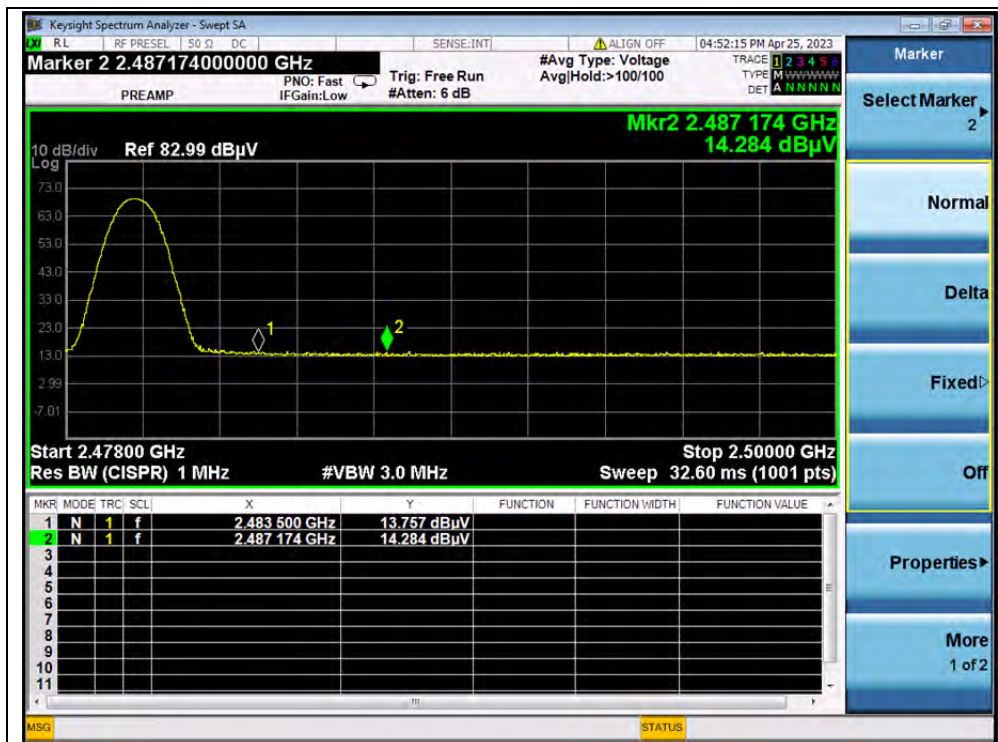
(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)

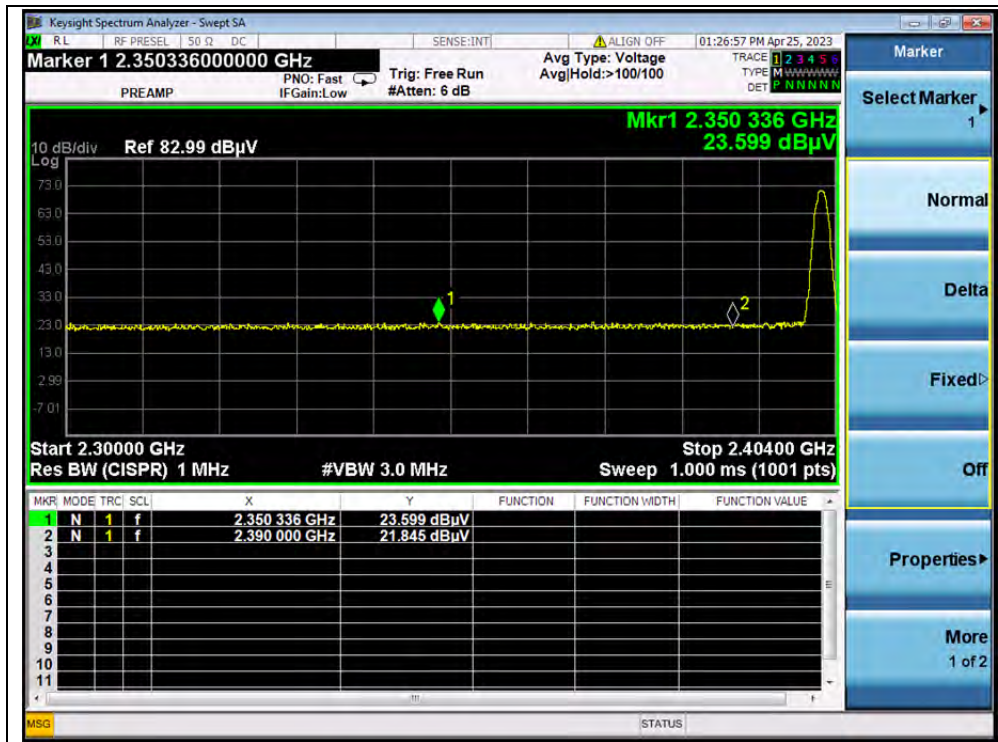


(AVERAGE, Channel 78, GFSK)



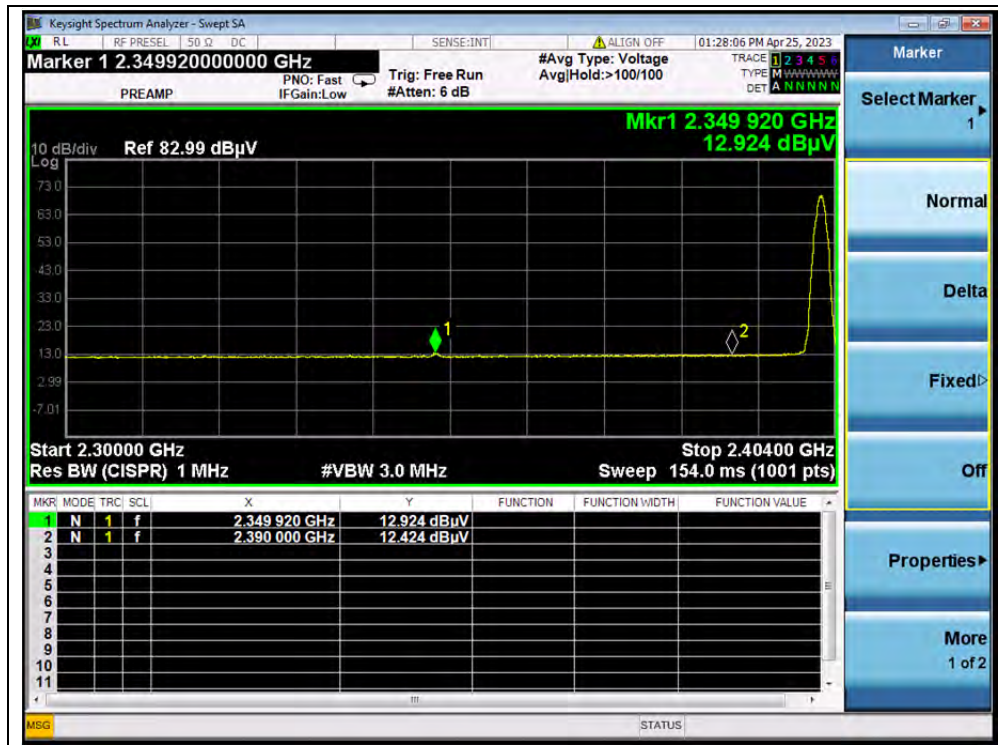
$\pi/4$ -DQPSK Mode

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)			E (dBμV/m)		
0	2350.34	PK	23.60	6.74	27.20	57.54	74	PASS
0	2349.92	AV	12.92	6.74	27.20	46.86	54	PASS
78	2491.13	PK	25.07	6.74	27.20	59.01	74	PASS
78	2483.74	AV	14.07	6.74	27.20	48.01	54	PASS

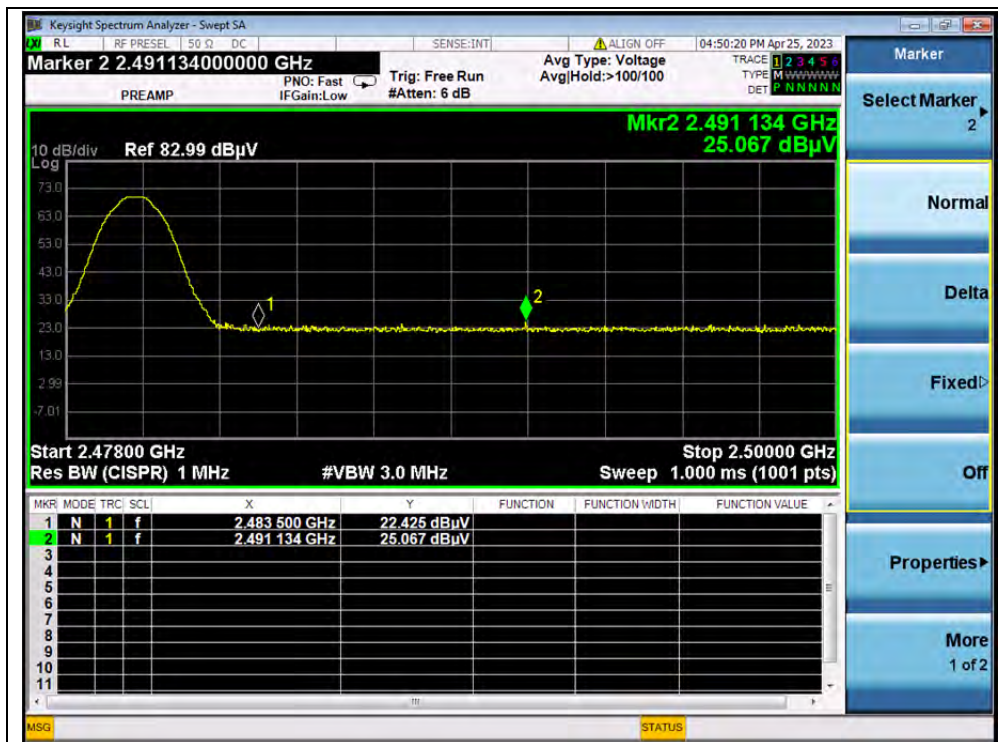


(PEAK, Channel 0,  $\pi/4$ -DQPSK)

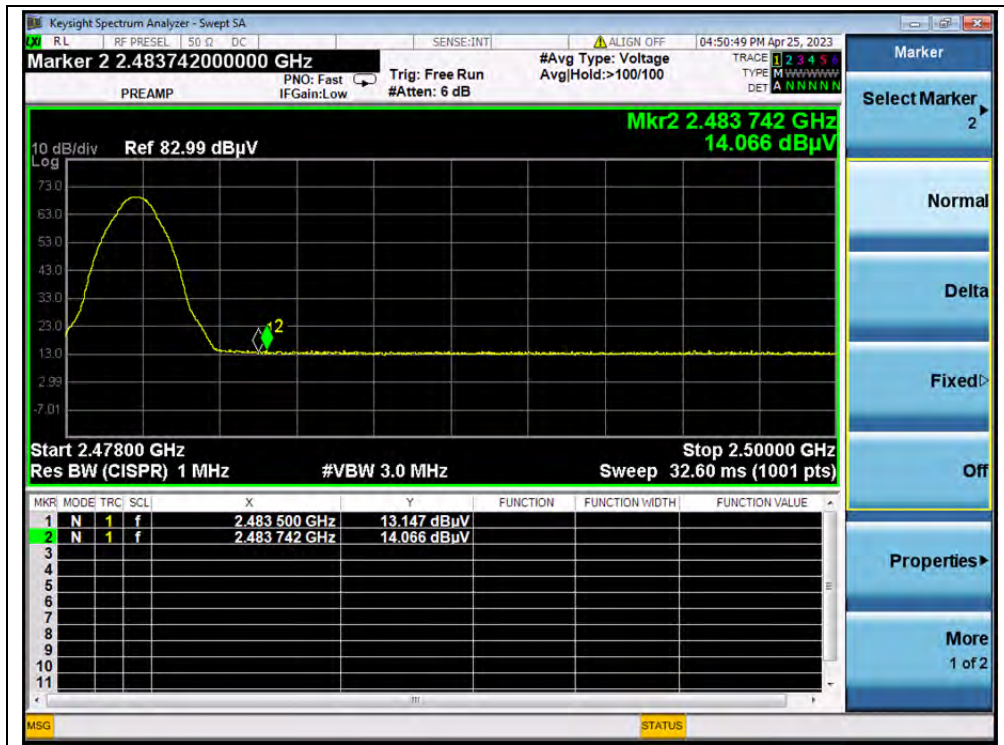




(AVERAGE, Channel 0,  $\pi/4$ -DQPSK)



(PEAK, Channel 78,  $\pi/4$ -DQPSK)

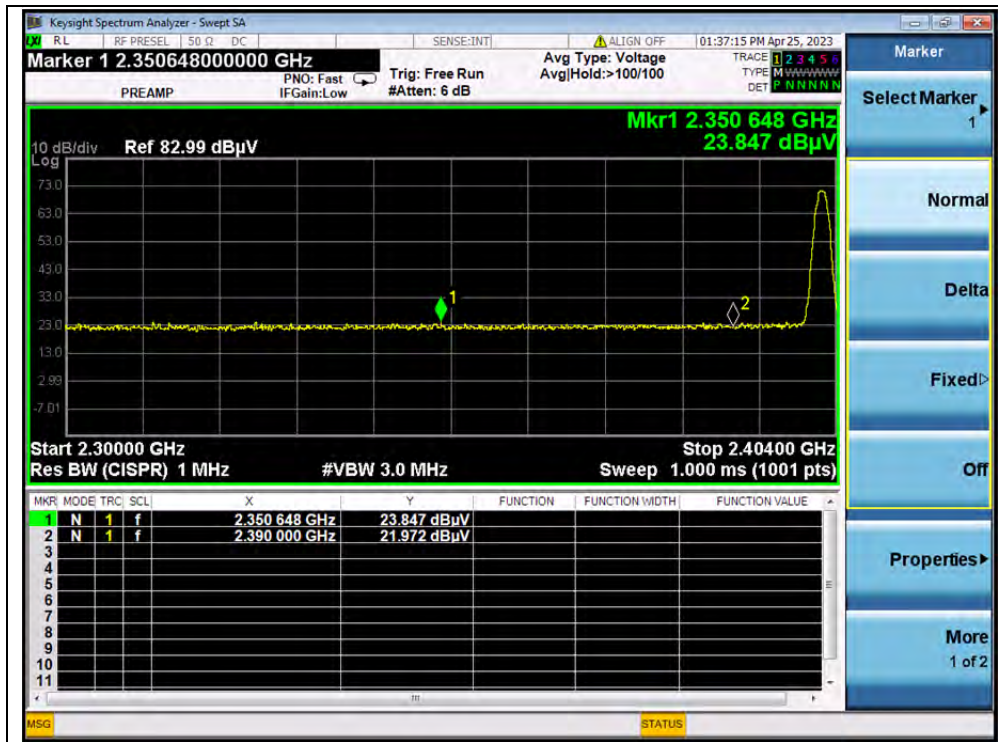


(AVERAGE, Channel 78, π/4-DQPSK)



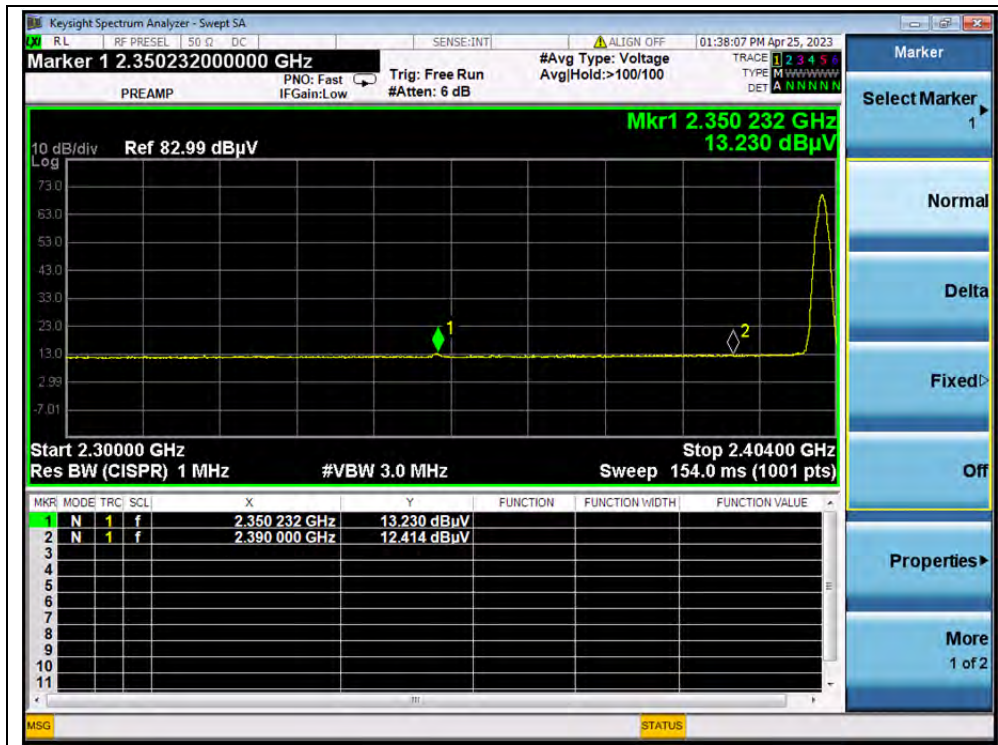
**8-DPSK Mode**

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
0	2350.65	PK	23.85	6.74	27.20	57.79	74	PASS
0	2350.23	AV	13.23	6.74	27.20	47.17	54	PASS
78	2490.30	PK	24.40	6.74	27.20	58.34	74	PASS
78	2494.63	AV	14.24	6.74	27.20	48.18	54	PASS

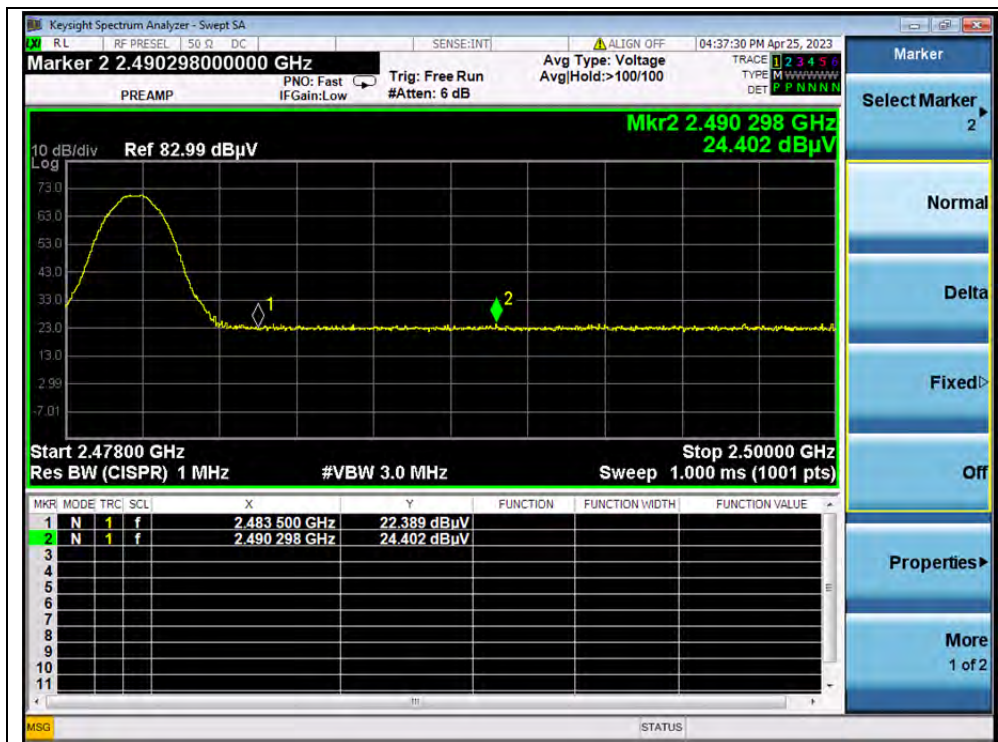


(PEAK, Channel 0, 8-DPSK)

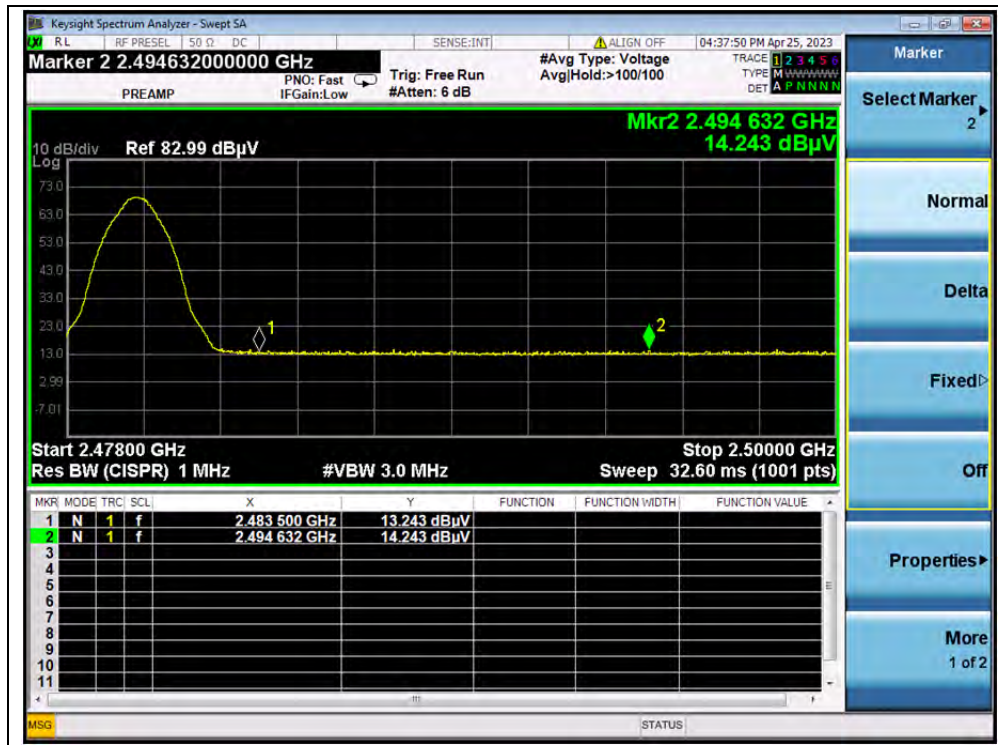




(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)

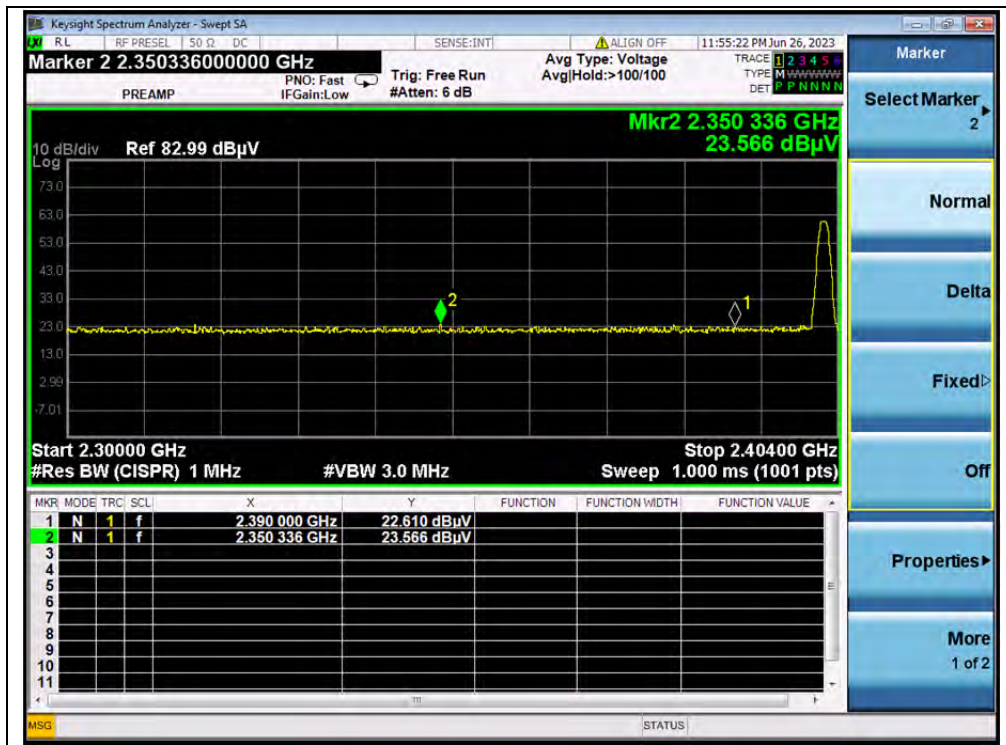


(AVERAGE, Channel 78, 8-DPSK)



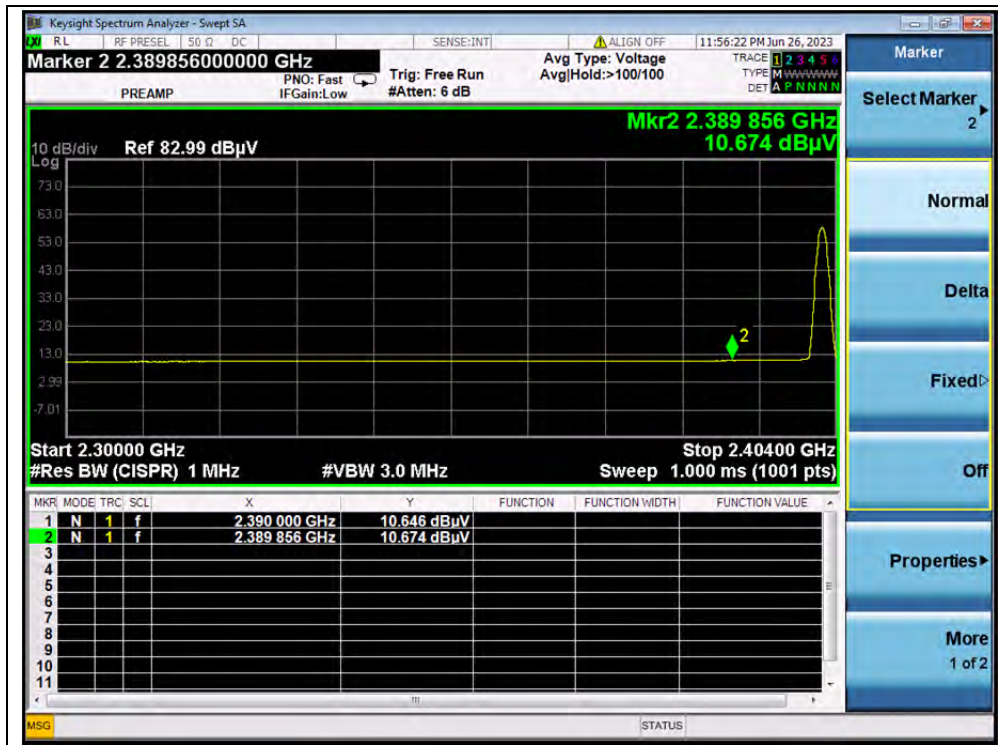
**Right  
GFSK Mode**

Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission $E$ (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
0	2350.34	PK	23.57	6.74	27.20	57.51	74	PASS
0	2389.86	AV	10.67	6.74	27.20	44.61	54	PASS
78	2496.17	PK	23.29	6.74	27.20	57.23	74	PASS
78	2483.50	AV	10.41	6.74	27.20	44.35	54	PASS

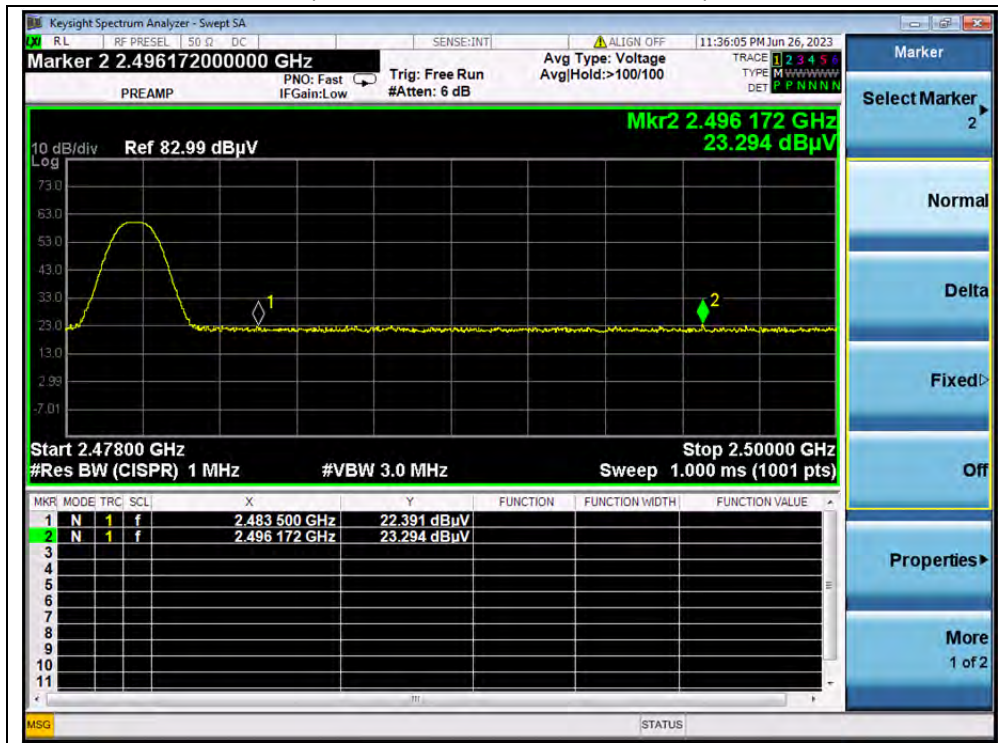


(PEAK, Channel 0, GFSK)

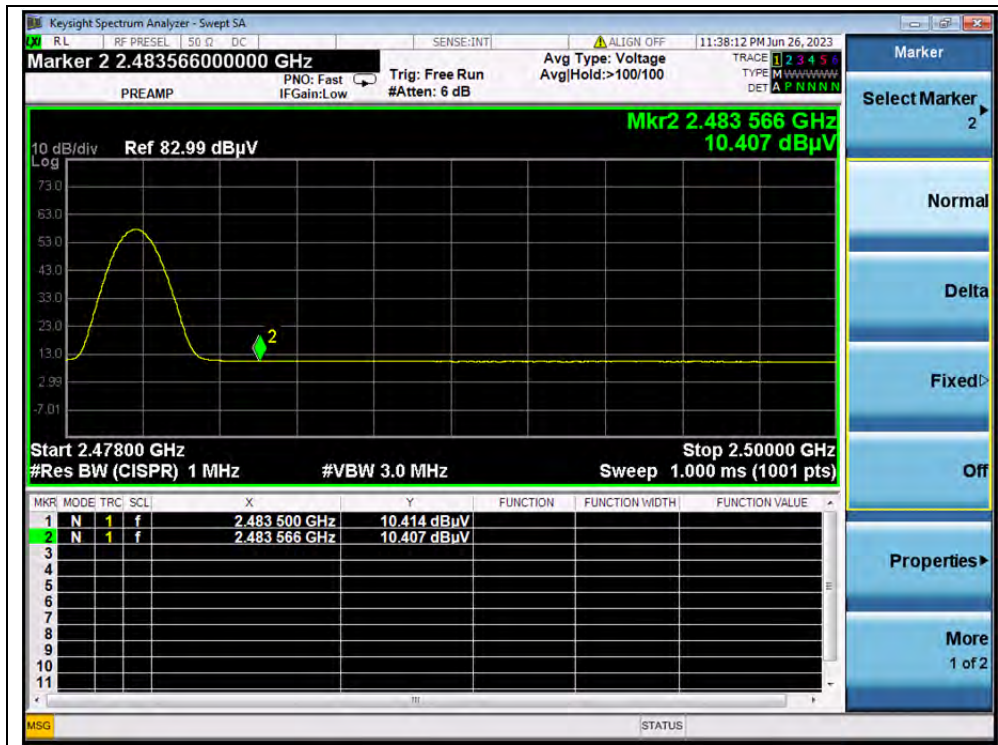




(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)

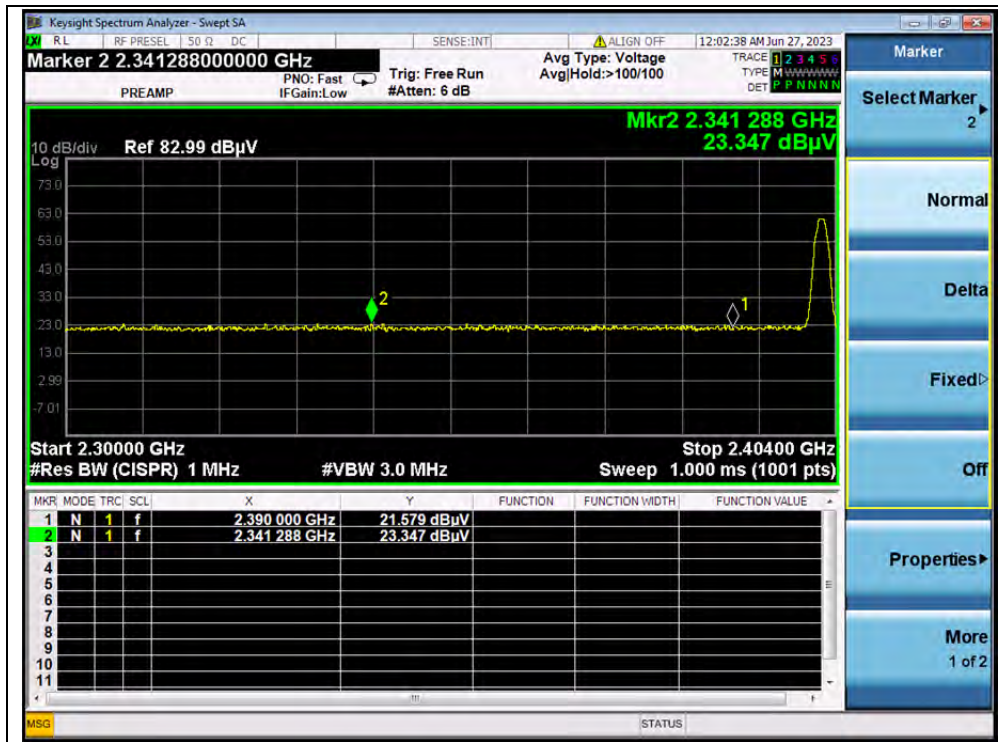


(AVERAGE, Channel 78, GFSK)



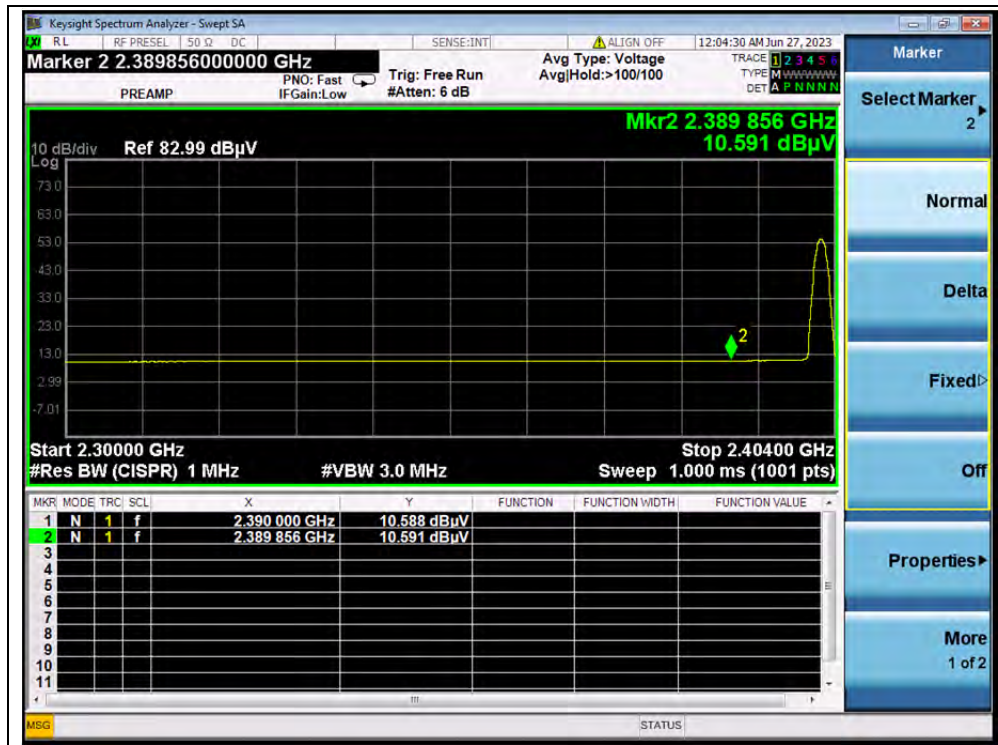
$\pi/4$ -DQPSK Mode

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)			E (dBμV/m)		
0	2341.29	PK	23.35	6.74	27.20	57.29	74	PASS
0	2389.86	AV	10.59	6.74	27.20	44.53	54	PASS
78	2487.48	PK	23.03	6.74	27.20	56.97	74	PASS
78	2484.36	AV	10.28	6.74	27.20	44.22	54	PASS

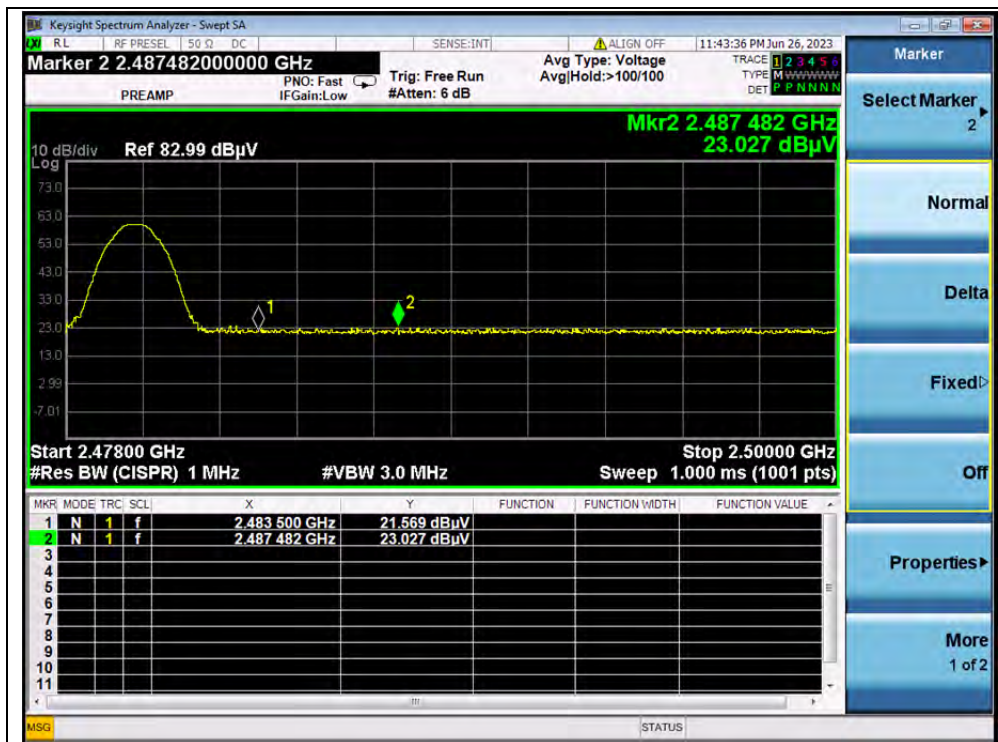


(PEAK, Channel 0,  $\pi/4$ -DQPSK)





(AVERAGE, Channel 0,  $\pi/4$ -DQPSK)



(PEAK, Channel 78,  $\pi/4$ -DQPSK)

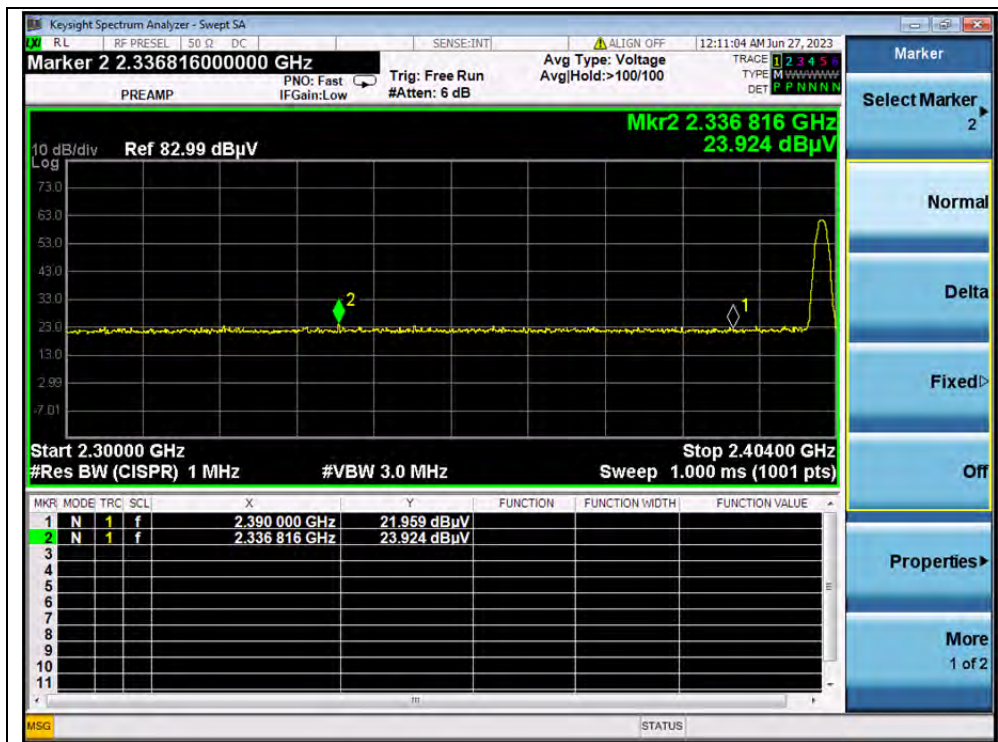


(AVERAGE, Channel 78,  $\pi/4$ -DQPSK)



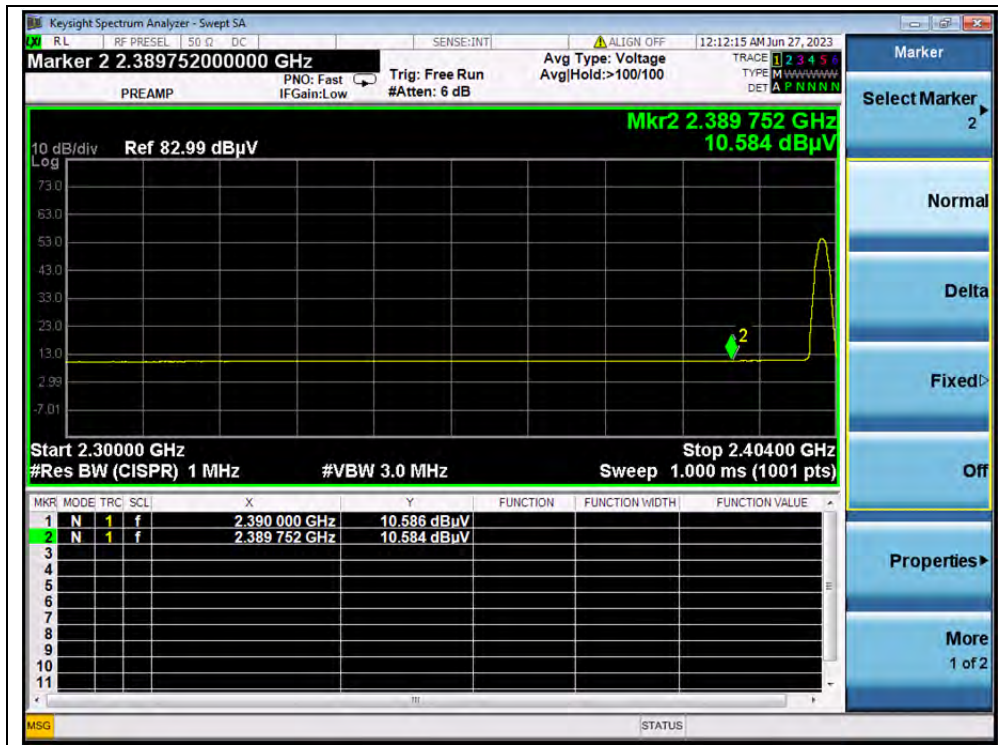
**8-DPSK Mode**

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
0	2336.82	PK	23.92	6.74	27.20	57.86	74	PASS
0	2390.00	AV	10.59	6.74	27.20	44.53	54	PASS
78	2493.82	PK	23.34	6.74	27.20	57.28	74	PASS
78	2484.25	AV	10.34	6.74	27.20	44.28	54	PASS

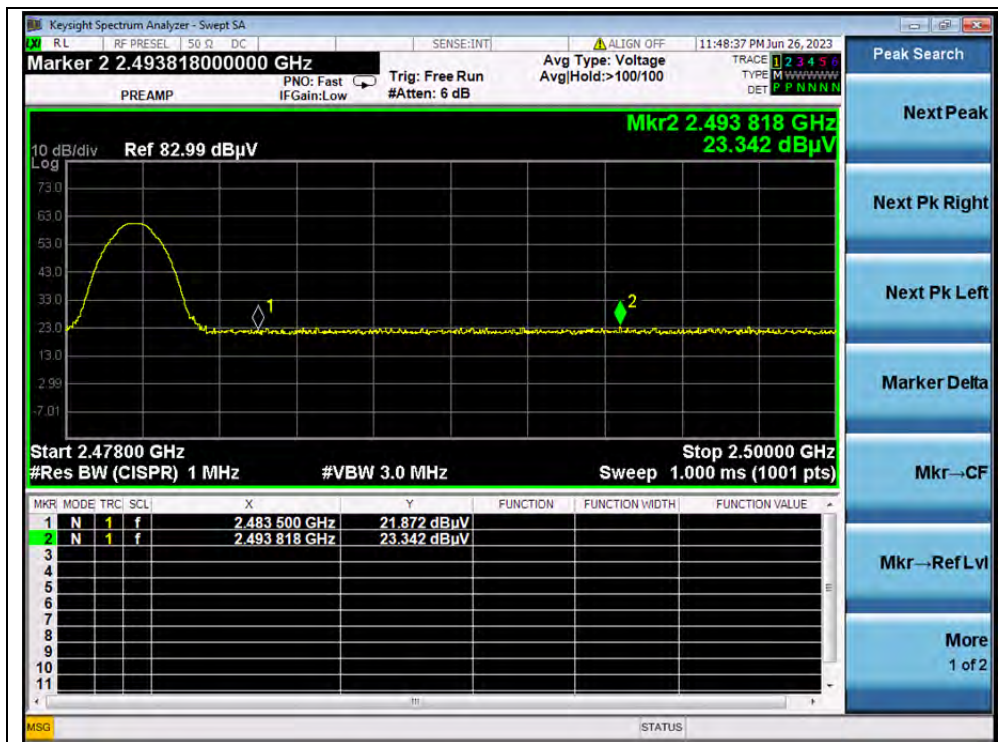


(PEAK, Channel 0, 8-DPSK)

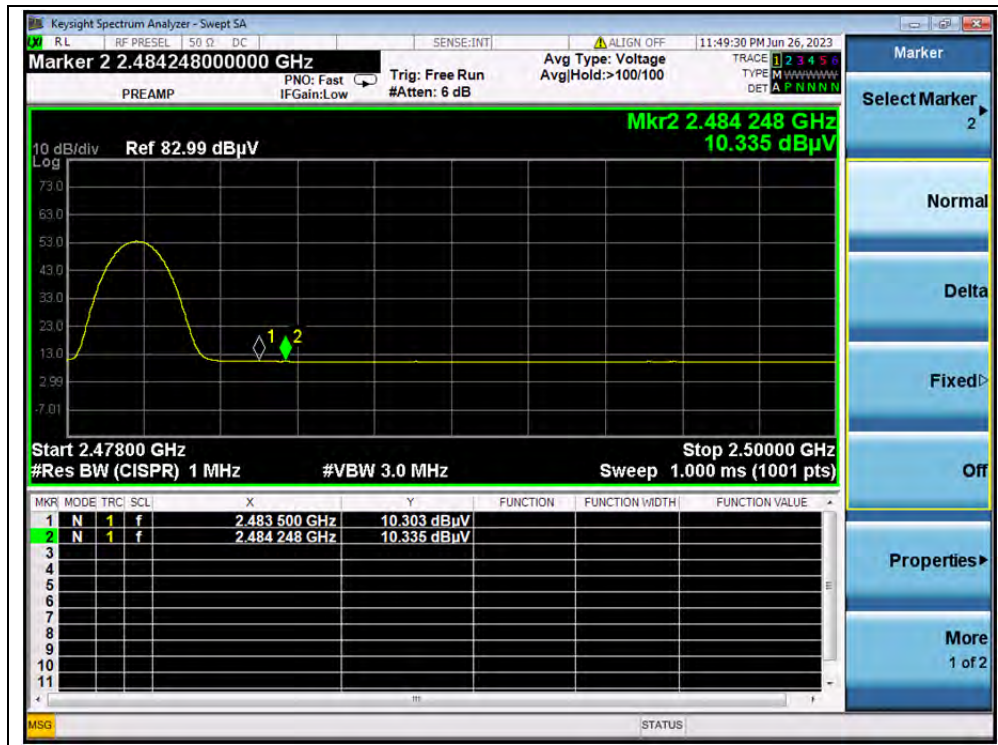




(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)



(AVERAGE, Channel 78, 8-DPSK)



## A.12. Radiated Emission

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:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

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

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

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

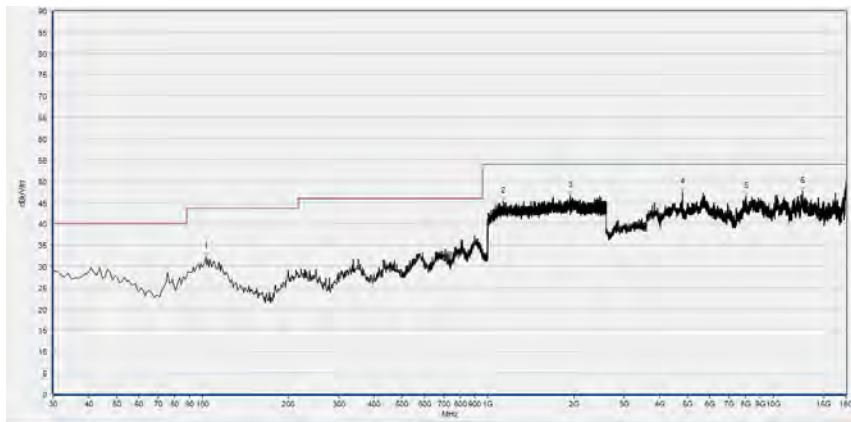
**Note3:** For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.





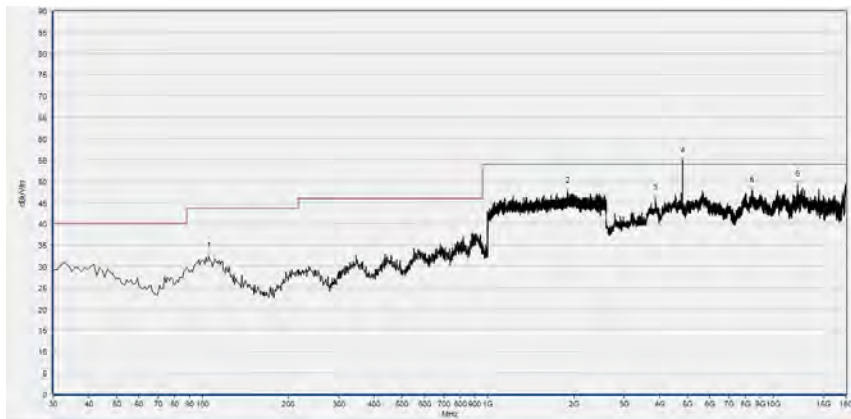
**Left, GFSK Mode**

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
102.750	32.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1132.800	45.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1946.667	46.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4802.200	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8020.800	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12680.840	47.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

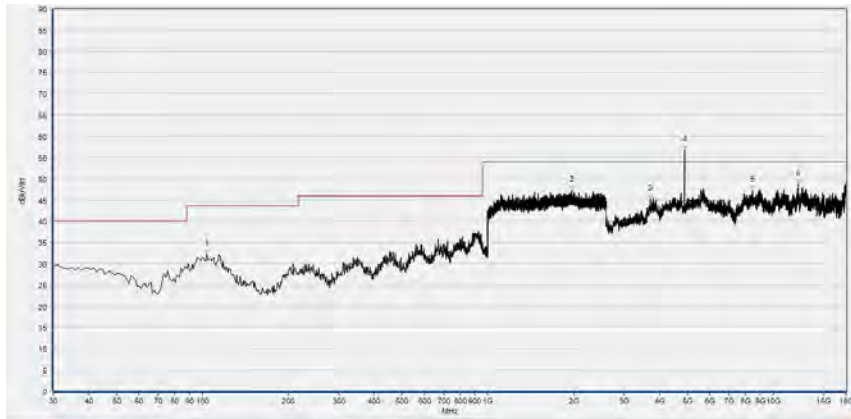
(Antenna Horizontal, 30MHz to 18GHz)



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
105.660	32.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1897.067	47.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3862.800	45.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4802.200	54.66	N/A	48.16	74.00	N/A	54.00	Vertical	PASS
8418.120	47.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12197.280	49.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

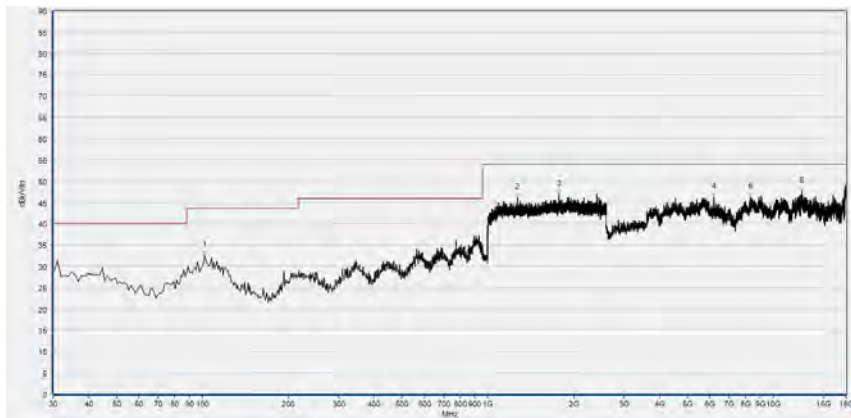
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	32.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1965.333	47.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3702.640	45.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	56.72	N/A	50.53	74.00	N/A	54.00	Horizontal	PASS
8458.160	47.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12221.920	48.65	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
101.780	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1272.533	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1778.667	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6188.200	46.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8298.000	46.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12566.880	47.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

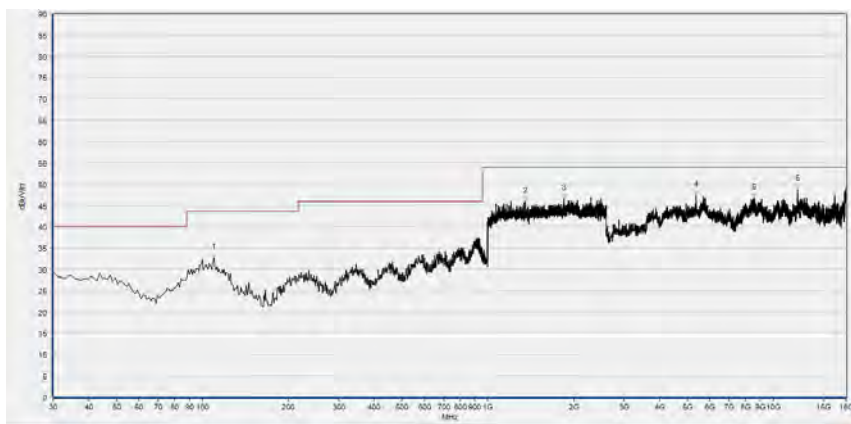
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	33.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1805.333	47.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3699.560	45.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	53.15	N/A	47.63	74.00	N/A	54.00	Horizontal	PASS
7891.440	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	47.89	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
109.540	32.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1351.467	45.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1851.200	46.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5378.160	47.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8538.240	46.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12191.120	48.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



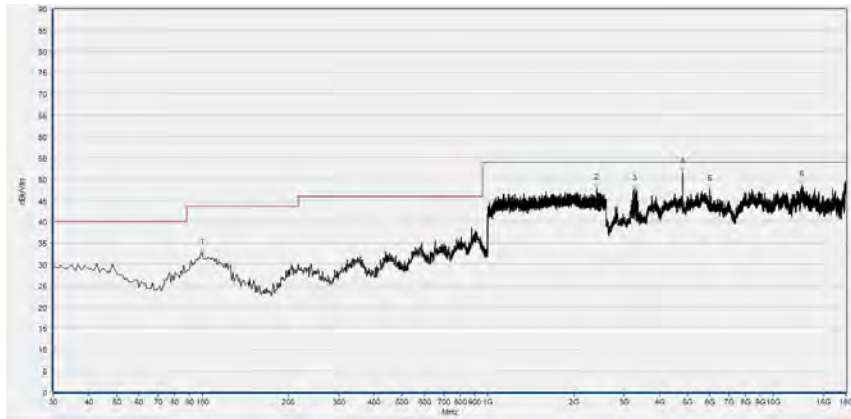
**$\pi/4$ -DQPSK Mode**

**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
98.870	34.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1942.933	47.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3687.240	44.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4802.200	54.15	N/A	37.25	74.00	N/A	54.00	Horizontal	PASS
7990.000	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12265.040	48.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

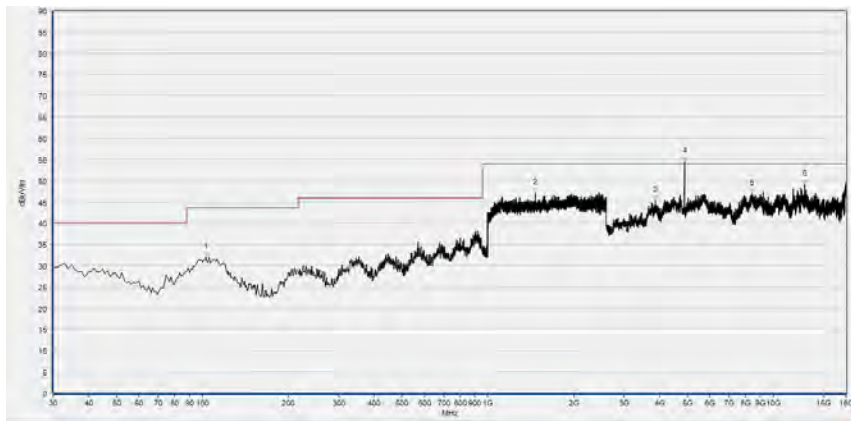
(Antenna Horizontal, 30MHz to 18GHz)



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
99.840	32.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2409.067	47.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3277.600	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4805.280	51.66	N/A	43.37	74.00	N/A	54.00	Vertical	PASS
5991.080	47.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12600.760	48.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

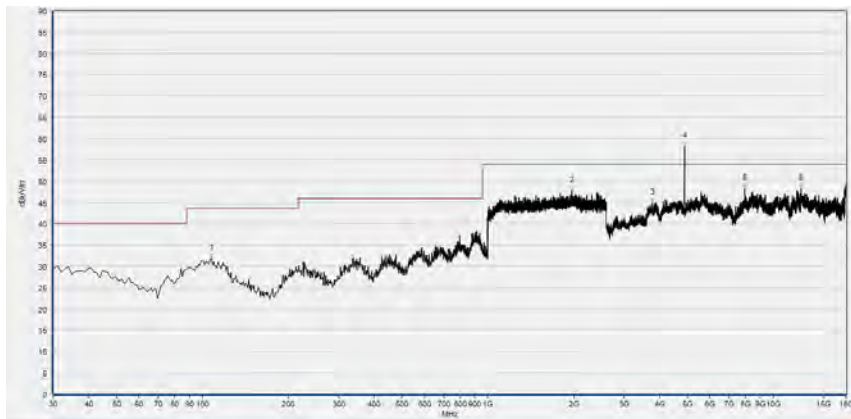
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	32.01	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1465.067	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3859.720	45.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	54.48	N/A	45.81	74.00	N/A	54.00	Horizontal	PASS
8430.440	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12893.360	49.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

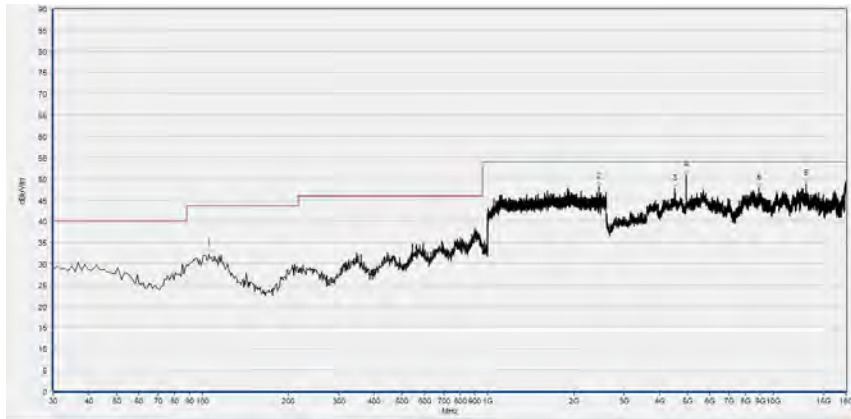
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	31.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1965.333	47.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3773.480	44.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4882.280	58.23	N/A	48.00	74.00	N/A	54.00	Vertical	PASS
7962.280	48.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12539.160	48.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

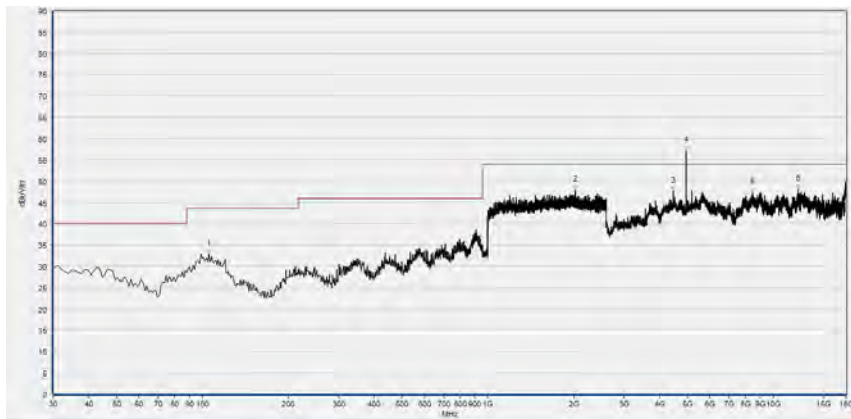
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2448.000	48.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4503.440	47.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	50.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8907.840	47.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13035.040	48.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



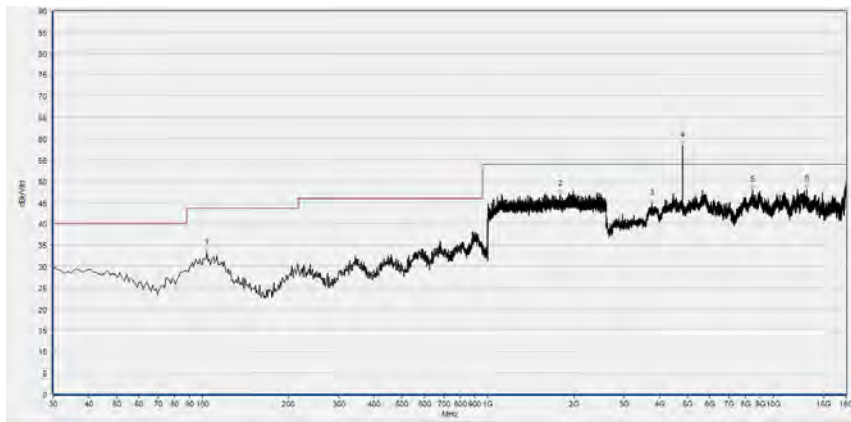
Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
105.660	32.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2020.800	47.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4457.240	47.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	57.19	N/A	46.85	74.00	N/A	54.00	Vertical	PASS
8452.000	47.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12206.520	48.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



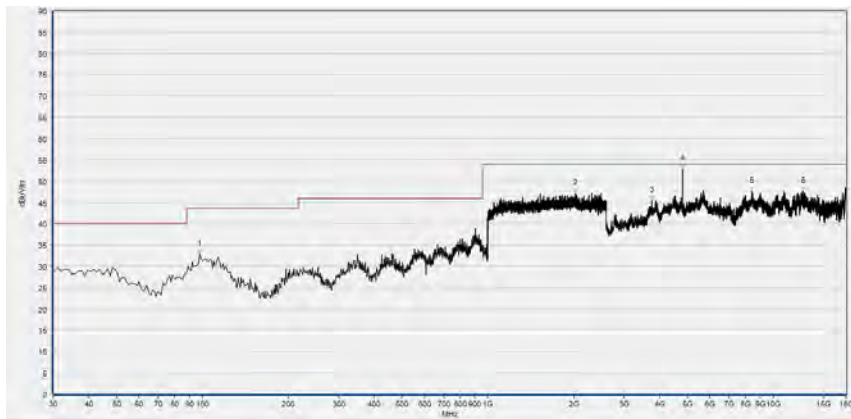
**8-DPSK Mode**

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
103.720	33.24	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1799.467	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3755.000	44.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4805.280	58.25	N/A	44.68	74.00	N/A	54.00	Horizontal	PASS
8448.920	47.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13108.960	48.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

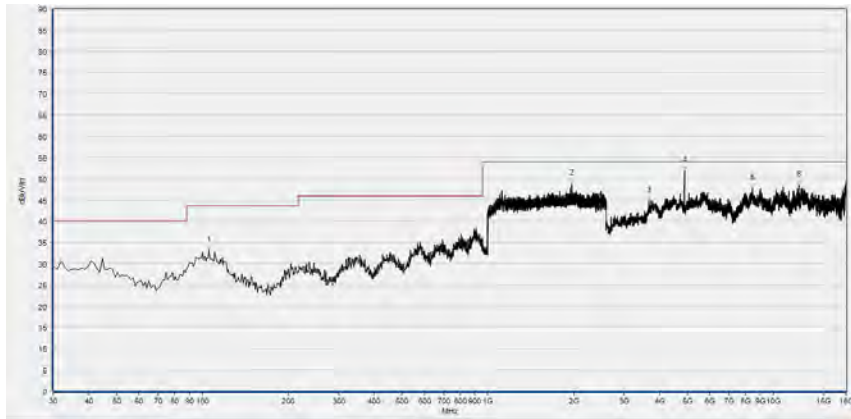
(Antenna Horizontal, 30MHz to 18GHz)



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
97.900	32.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2029.867	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3758.080	45.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4805.280	52.86	N/A	43.20	74.00	N/A	54.00	Vertical	PASS
8433.520	47.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12739.360	47.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

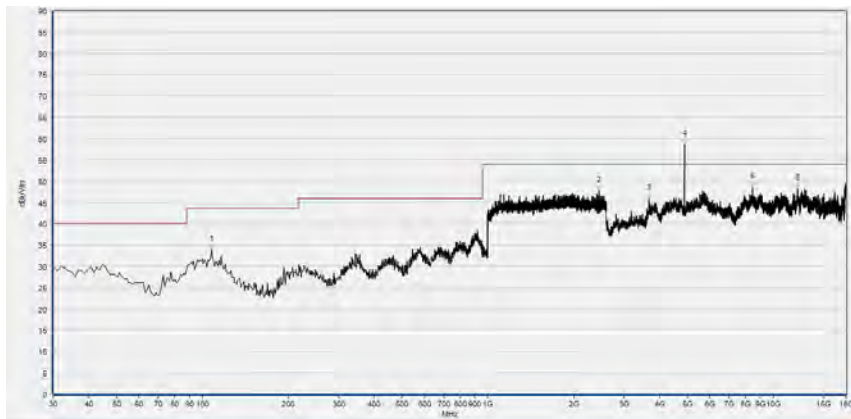
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	33.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1964.267	48.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3662.600	44.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	51.74	N/A	45.40	74.00	N/A	54.00	Horizontal	PASS
8445.840	47.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12292.760	48.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

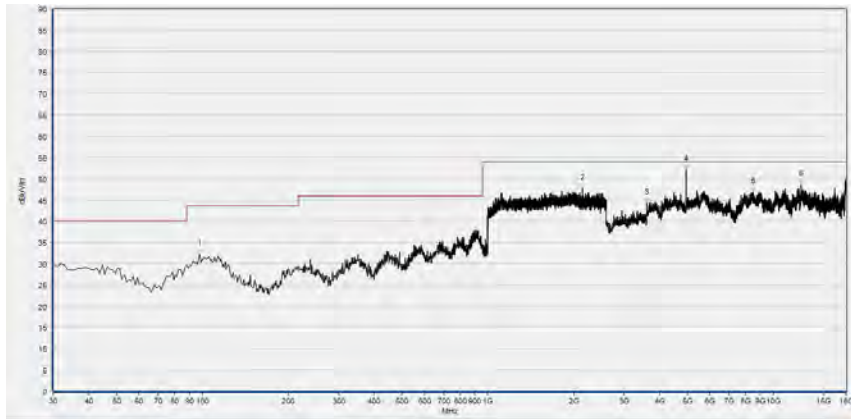
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	33.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2457.600	47.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3662.600	45.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4882.280	58.70	N/A	47.85	74.00	N/A	54.00	Vertical	PASS
8461.240	48.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12151.080	48.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

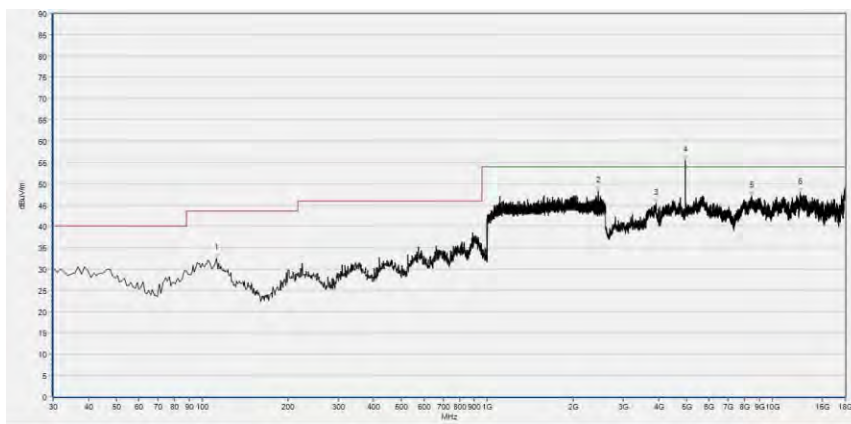
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2145.067	47.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3604.080	44.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	52.15	N/A	43.72	74.00	N/A	54.00	Horizontal	PASS
8507.440	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12526.840	48.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



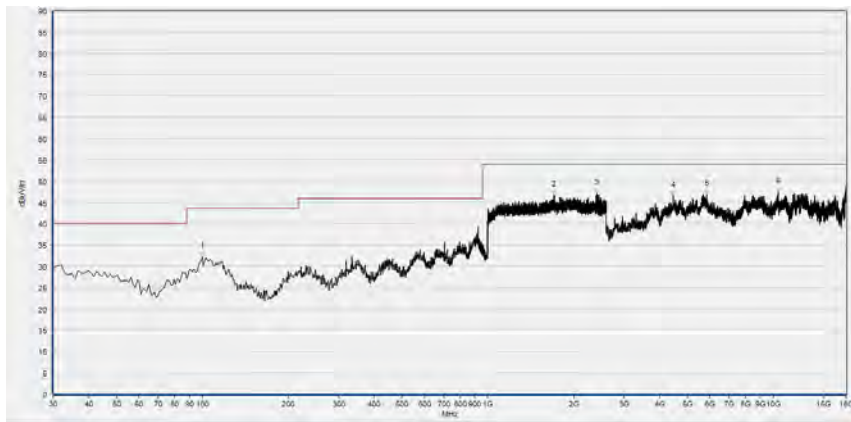
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	32.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2450.667	48.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3905.920	45.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	55.50	N/A	47.07	74.00	N/A	54.00	Vertical	PASS
8470.480	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12517.600	47.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



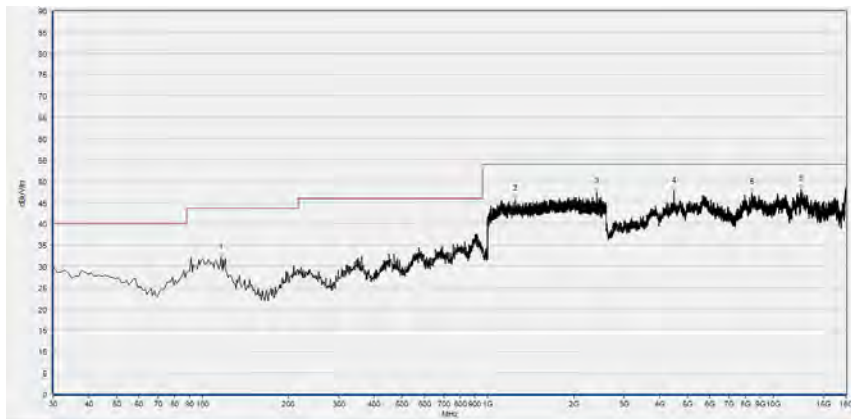
**Right, GFSK Mode**

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
99.840	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1708.267	46.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2411.733	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4454.160	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5837.080	46.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10435.520	47.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

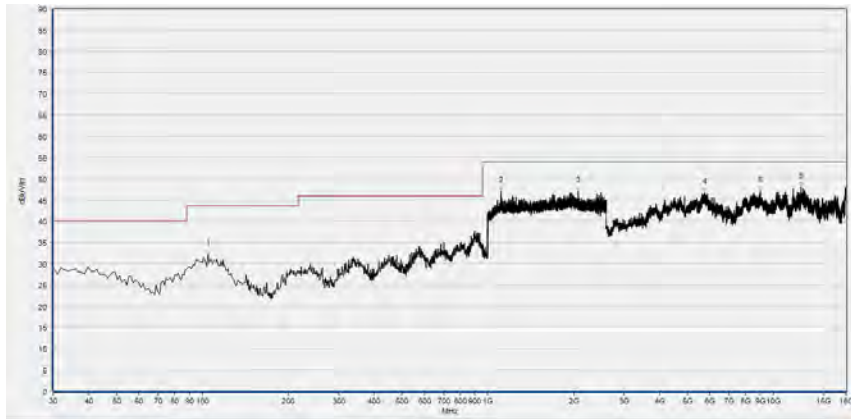
(Antenna Horizontal, 30MHz to 18GHz)



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
116.330	31.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1248.000	45.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2408.000	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4497.280	47.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8402.720	47.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12508.360	48.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

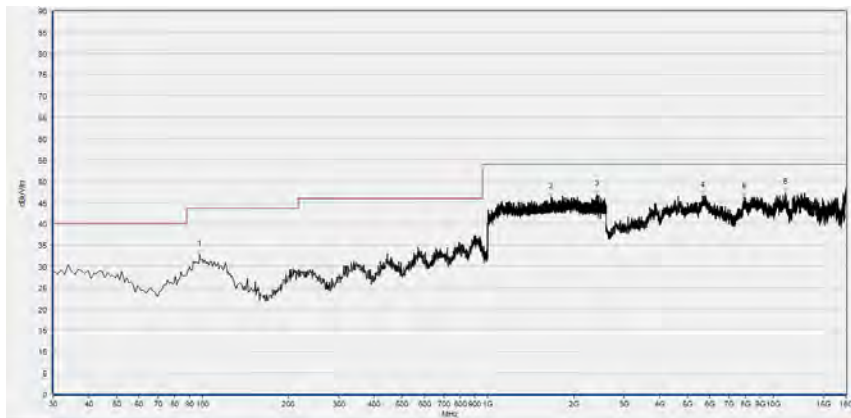
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1115.200	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2075.733	47.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5741.600	46.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9018.720	47.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12505.280	48.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

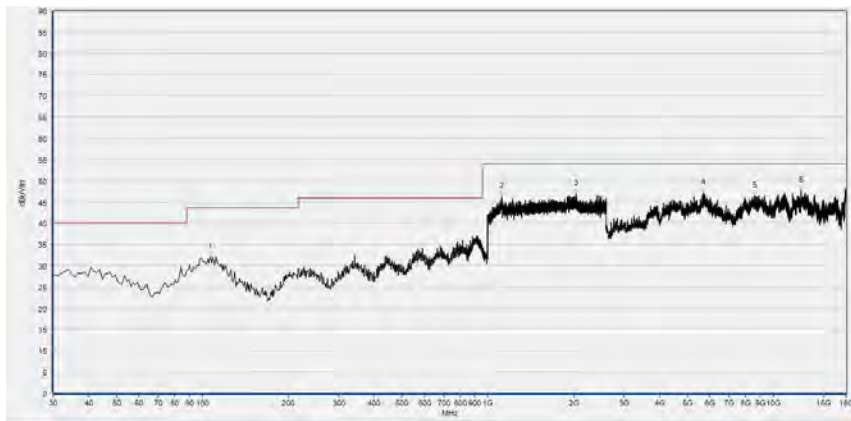
(Antenna Horizontal, 30MHz to 18GHz)



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	32.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1666.667	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2406.400	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5652.280	46.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7882.200	46.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11017.640	47.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

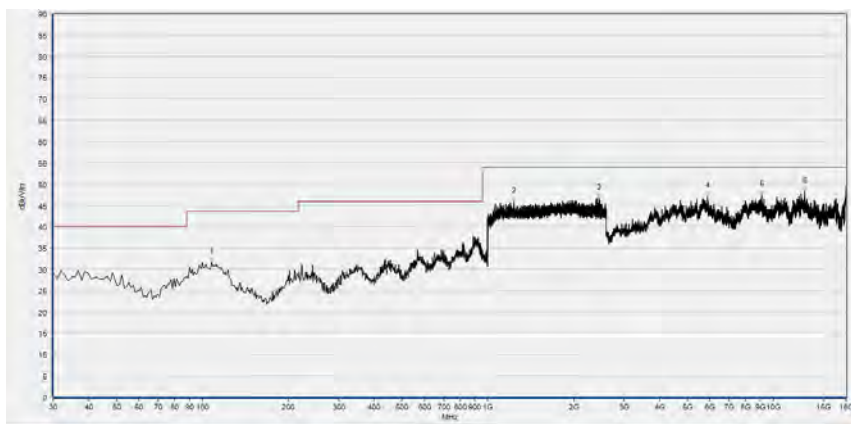
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	32.04	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1116.267	46.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2041.600	46.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5692.320	47.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8590.600	46.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12533.000	47.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



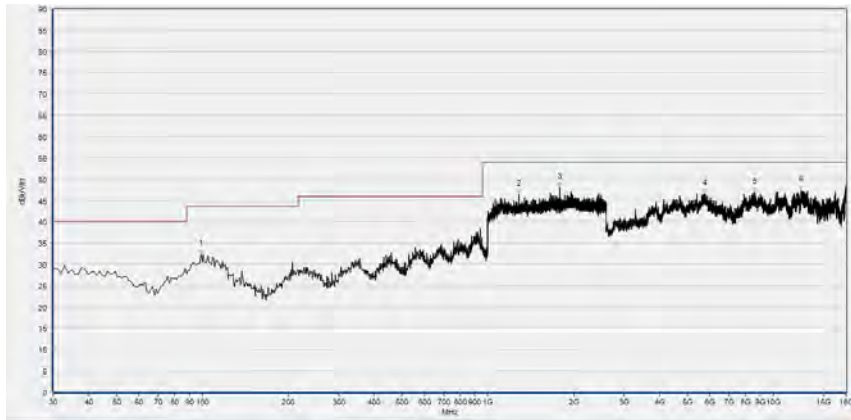
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1233.600	45.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2446.400	46.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5877.120	47.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9138.840	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12871.800	48.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



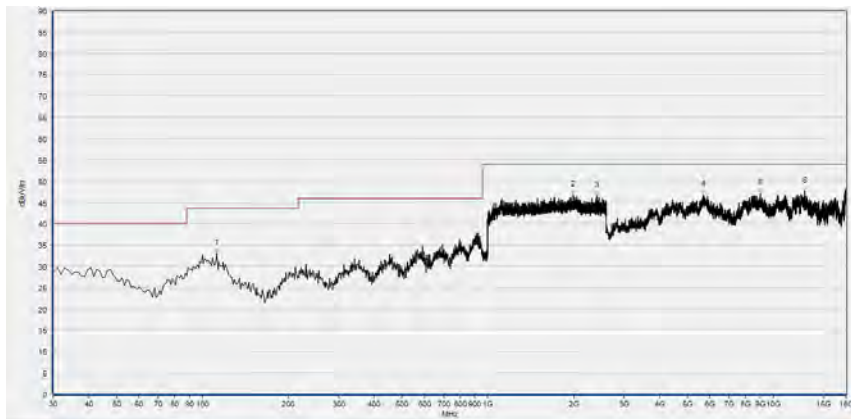
**$\pi/4$ -DQPSK Mode**

**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
98.870	32.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1284.800	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1789.333	48.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5738.520	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8615.240	46.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12520.680	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

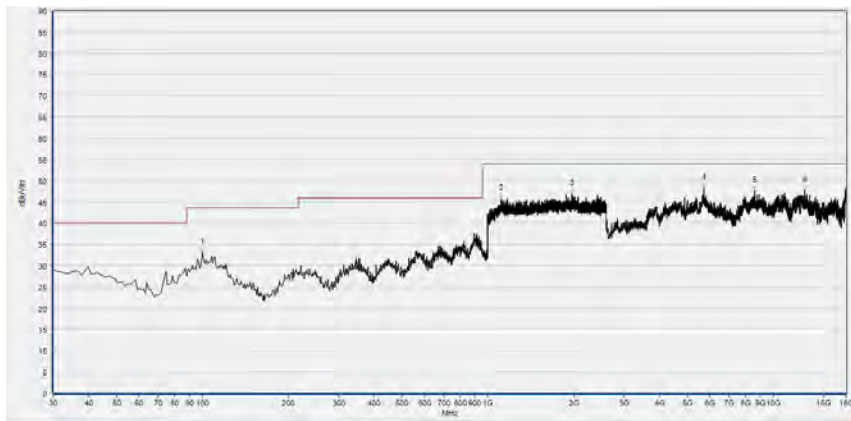
(Antenna Horizontal, 30MHz to 18GHz)



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
112.450	32.95	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1988.800	46.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2413.333	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5695.400	46.81	N/A	43.37	74.00	N/A	54.00	Vertical	PASS
8994.080	47.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12899.520	47.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

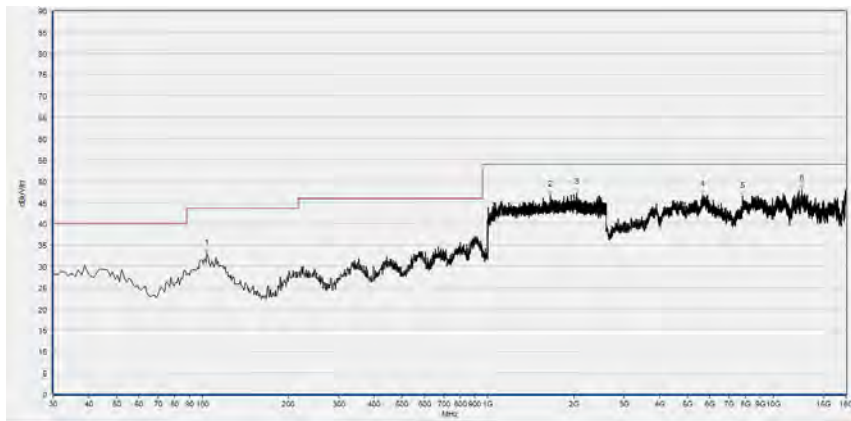
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	33.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1115.200	45.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1964.800	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5701.560	48.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8609.080	47.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12893.360	47.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

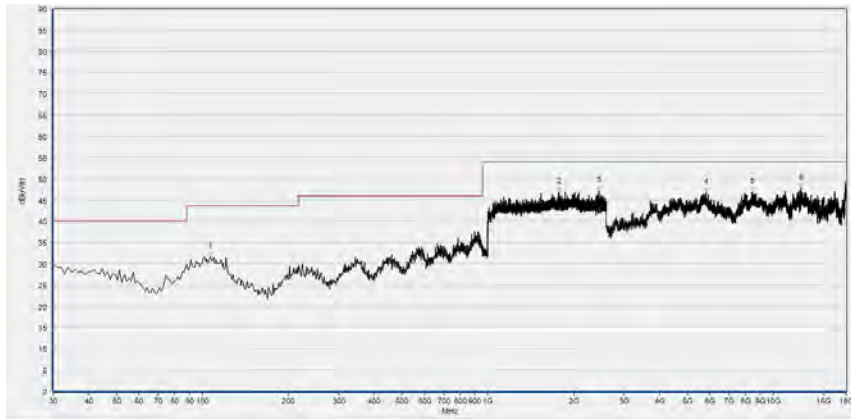
(Antenna Horizontal, 30MHz to 18GHz)



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
103.720	32.95	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1658.667	46.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2051.733	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5646.120	46.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7814.440	46.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12597.680	48.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

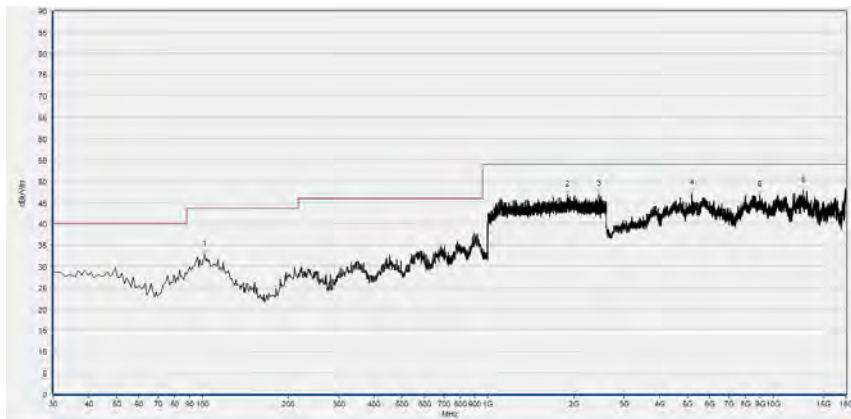
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	31.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1772.800	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2450.667	47.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5815.520	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8455.080	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12520.680	47.80	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
101.780	32.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1896.533	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2455.467	46.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5187.200	47.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8941.720	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12720.880	47.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

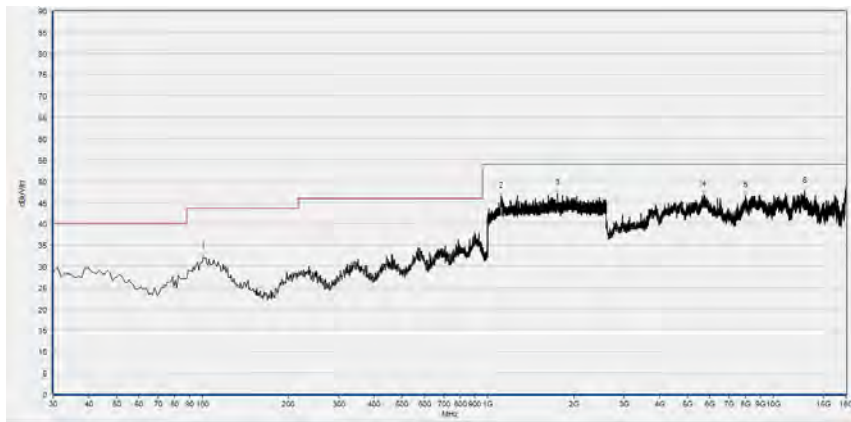
(Antenna Vertical, 30MHz to 18GHz)





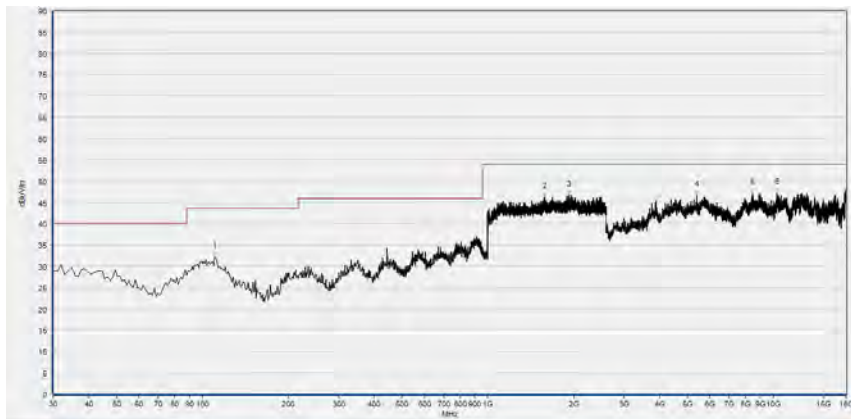
**8-DPSK Mode**

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
100.810	32.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1110.400	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1752.533	47.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5701.560	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7980.760	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12884.120	47.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

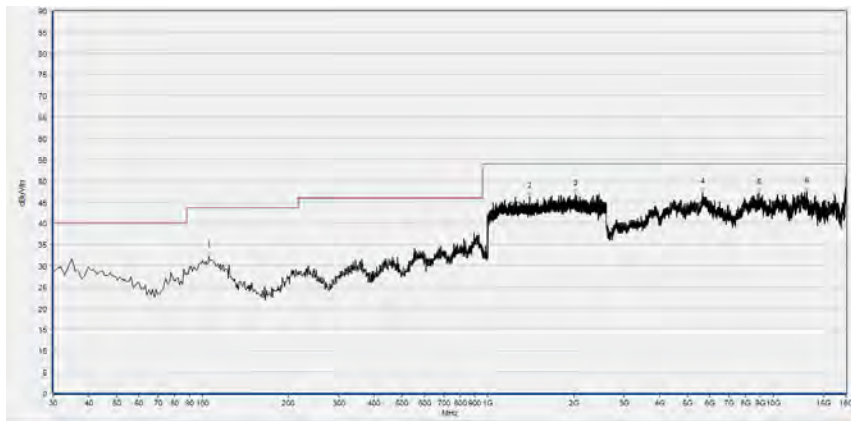
(Antenna Horizontal, 30MHz to 18GHz)



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
110.510	32.20	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1580.800	46.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1925.867	46.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5402.800	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8476.640	47.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10306.160	47.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

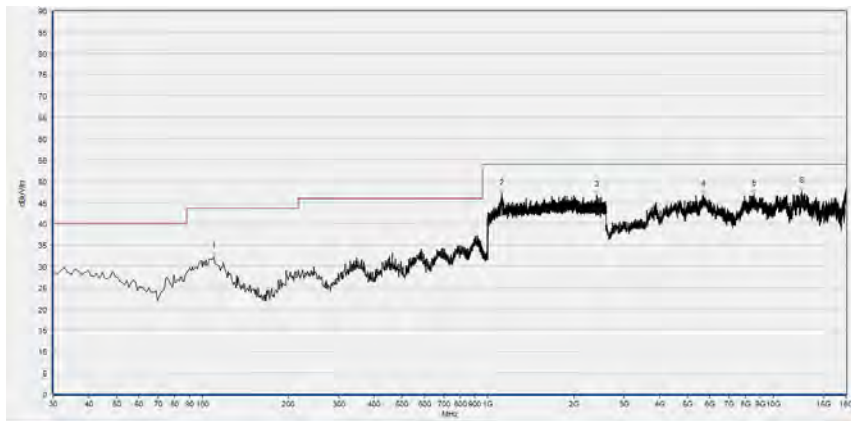
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1400.533	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2028.267	46.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5658.440	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8935.560	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13075.080	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

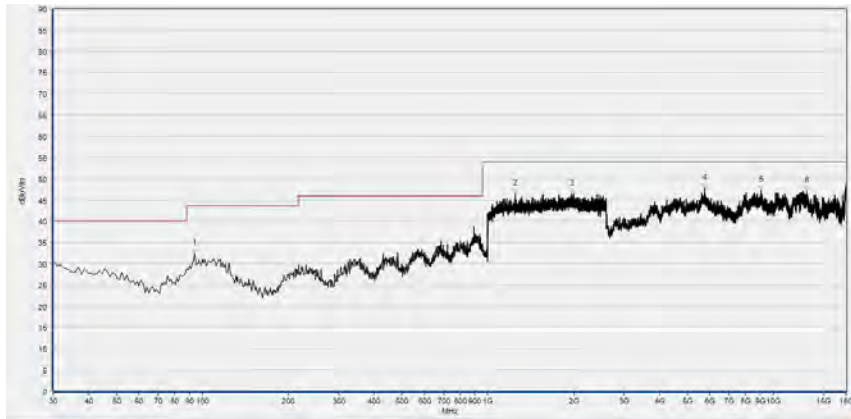
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1120.533	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2411.733	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5683.080	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8562.880	46.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12619.240	47.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

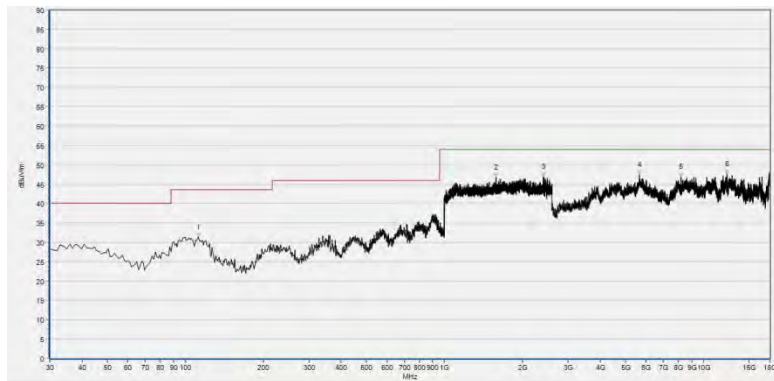
(Antenna Vertical, 30MHz to 18GHz)

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
94.020	32.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1245.867	46.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1965.333	46.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5738.520	47.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9083.400	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13078.160	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
112.450	31.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1580.267	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2411.200	46.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5639.960	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8177.880	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12305.080	47.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

————— END OF REPORT —————