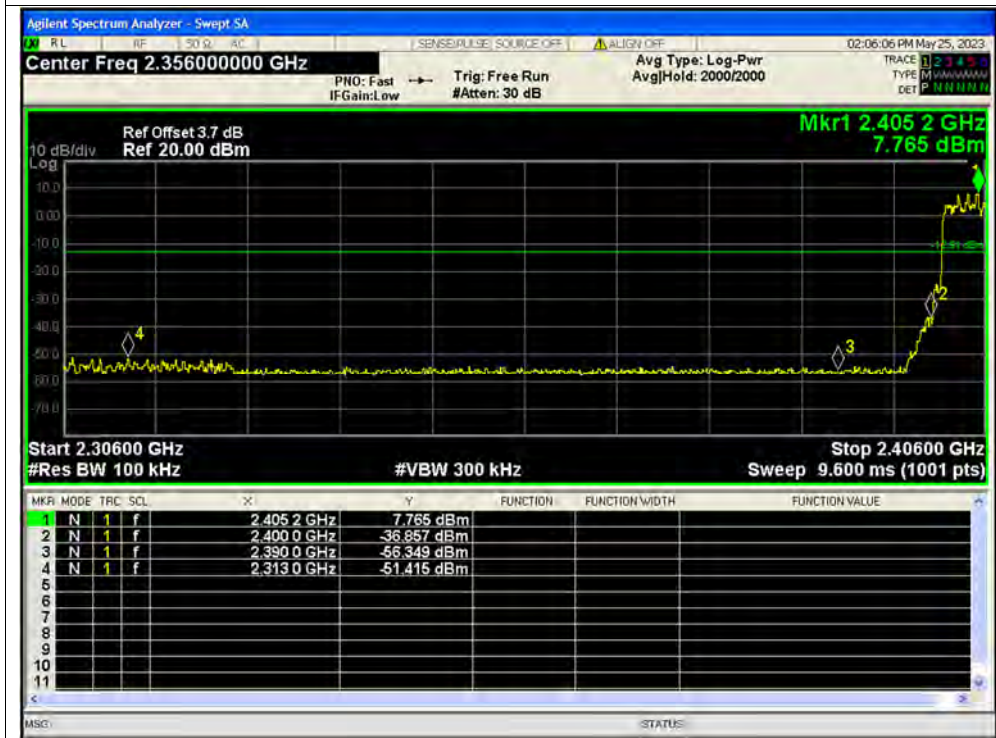


Band Edge(Hopping) NVLT 3-DH5 2402MHz Ant1 Hopping Ref



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

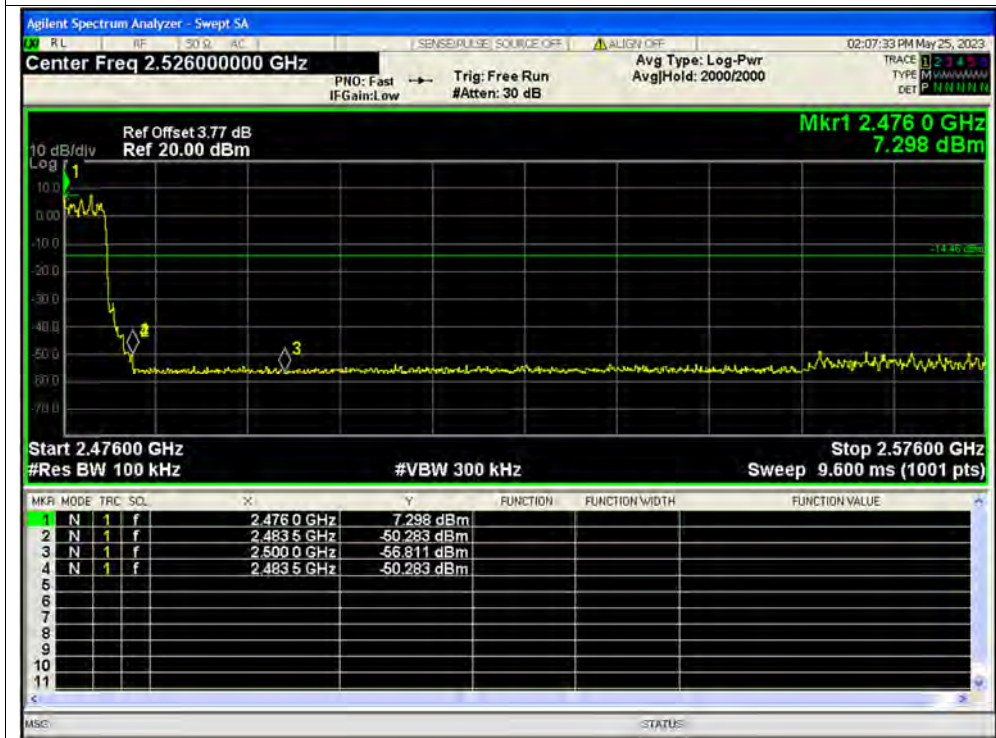




Band Edge(Hopping) NVLT 3-DH5 2480MHz Ant1 Hopping Ref



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





A.10. Conducted Emission

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. Set RBW=9kHz, VBW=30kHz. 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:

Test Mode: EUT + USB CABLE + PC + BT TX

Test voltage: AC 120V/60Hz

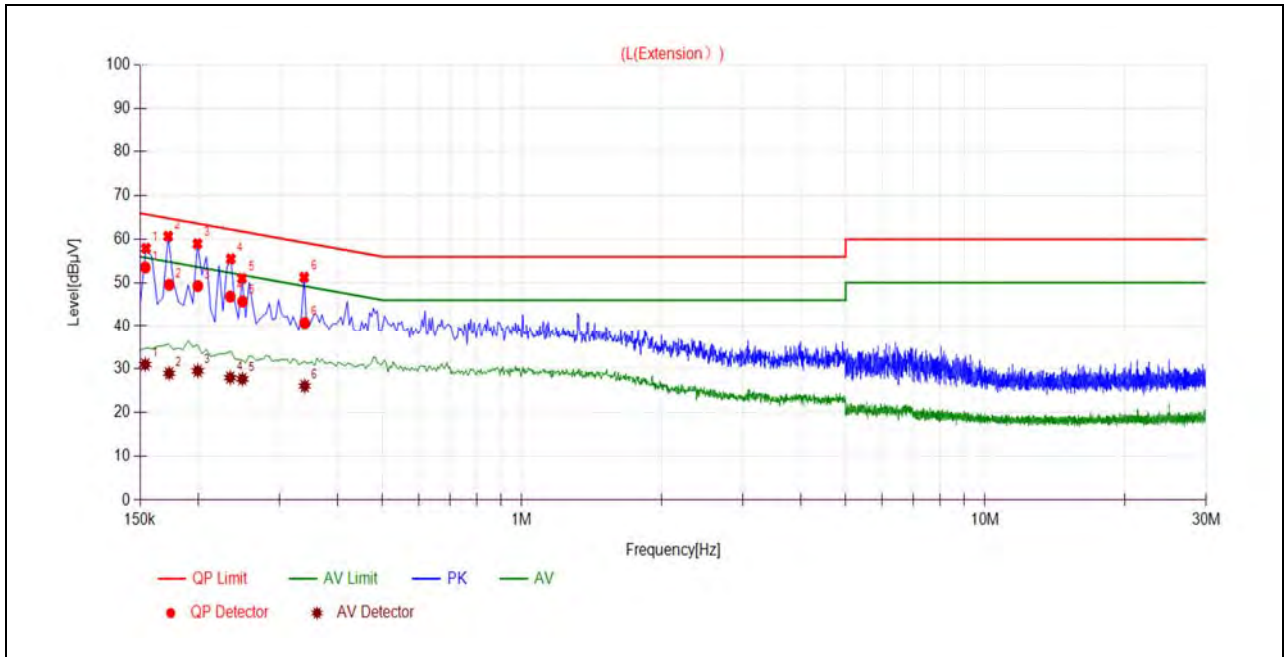
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

U_R : Receiver Reading

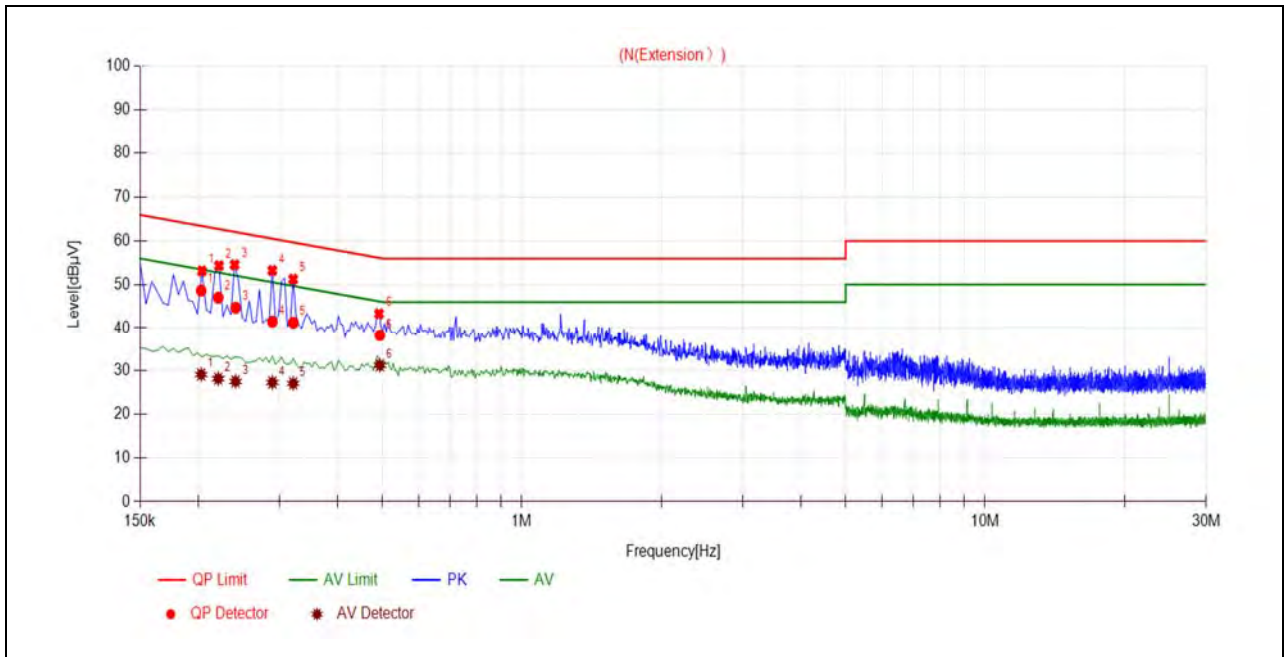
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1539	53.51	31.00	65.79	55.79	Line	PASS
2	0.1733	49.53	28.96	64.80	54.80		PASS
3	0.1998	49.26	29.52	63.62	53.62		PASS
4	0.2348	46.81	27.97	62.28	52.28		PASS
5	0.2494	45.67	27.64	61.78	51.78		PASS
6	0.3400	40.70	26.04	59.20	49.20		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2032	48.62	29.13	63.48	53.48	Neutral	PASS
2	0.2212	47.00	28.17	62.77	52.77		PASS
3	0.2411	44.69	27.54	62.06	52.06		PASS
4	0.2895	41.48	27.31	60.54	50.54		PASS
5	0.3211	41.21	27.09	59.68	49.68		PASS
6	0.4938	38.25	31.28	56.10	46.10		PASS

**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

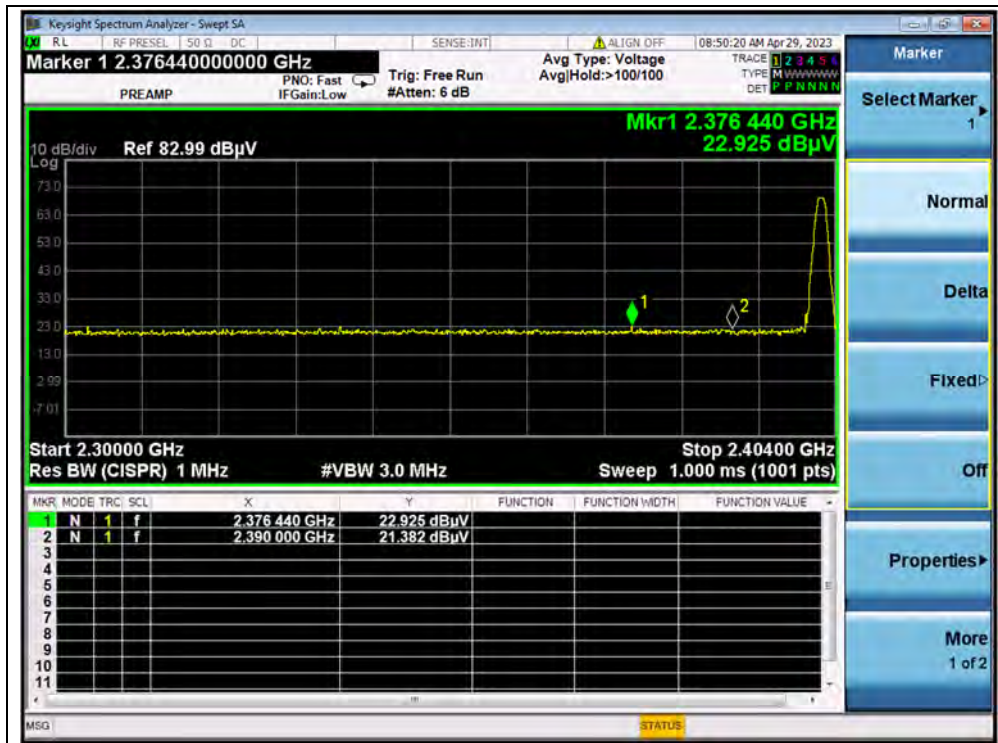
G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

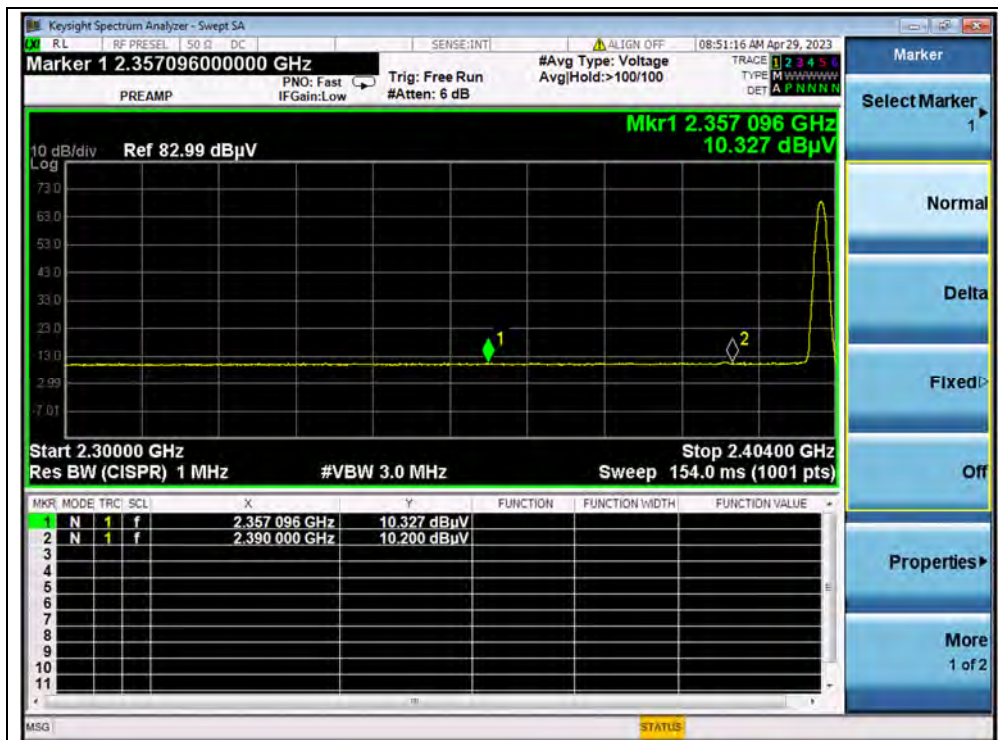
Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

Module 1**GFSK Mode**

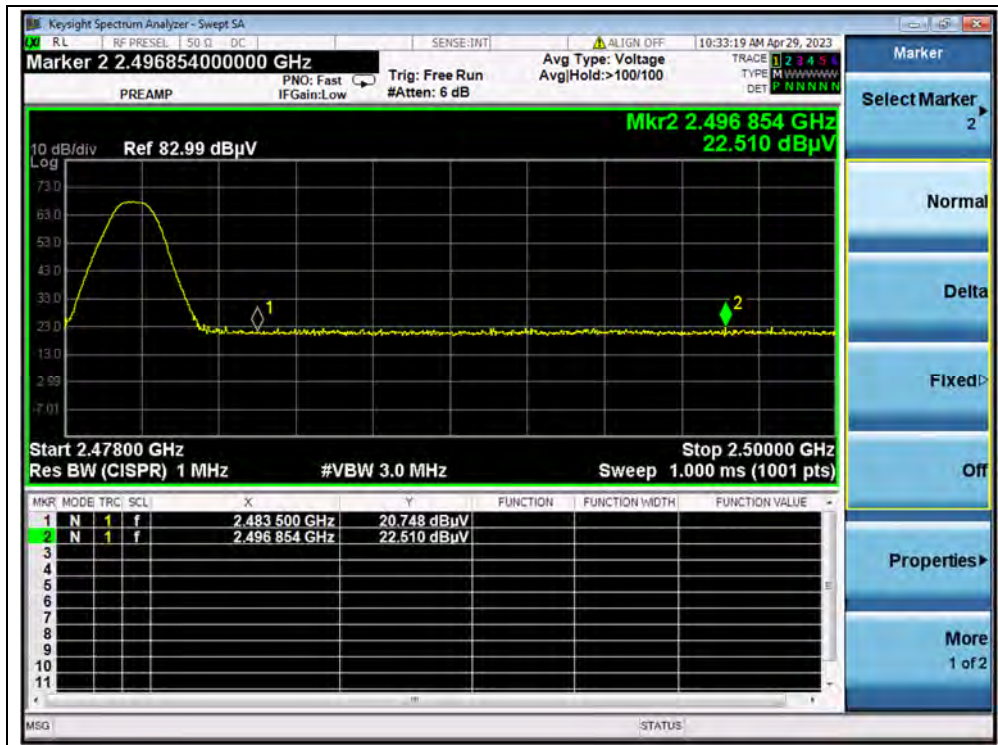
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
0	2376.44	PK	22.93	6.74	27.20	56.87	74	PASS
0	2357.10	AV	10.33	6.74	27.20	44.27	54	PASS
78	2496.85	PK	22.51	6.74	27.20	56.45	74	PASS
78	2485.70	AV	12.11	6.74	27.20	46.05	54	PASS



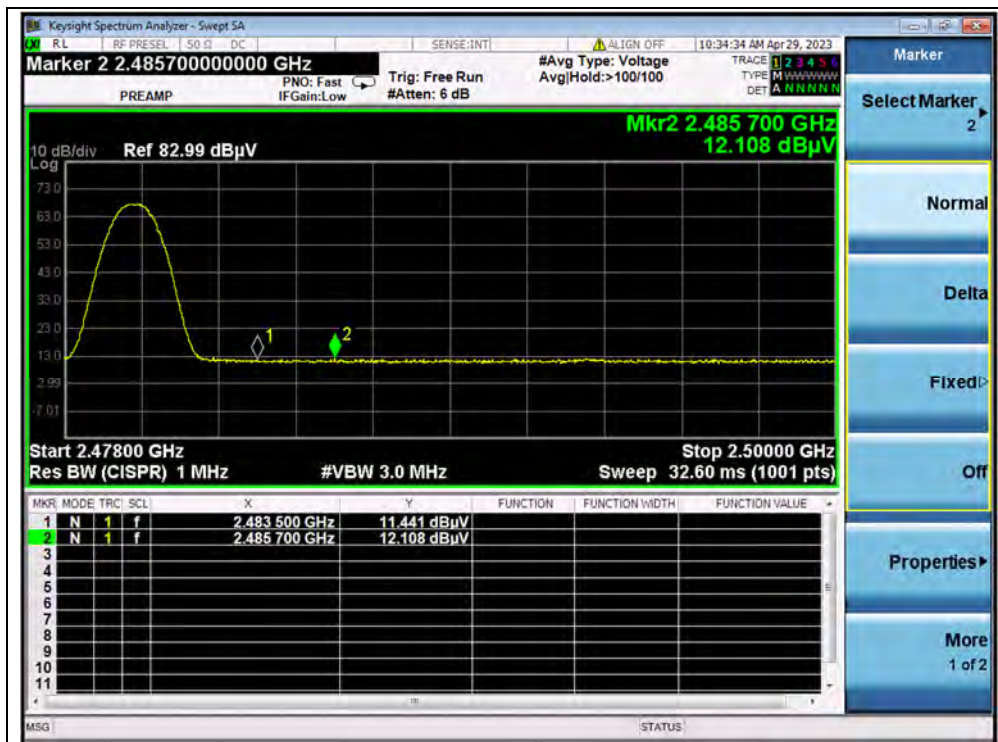
(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)

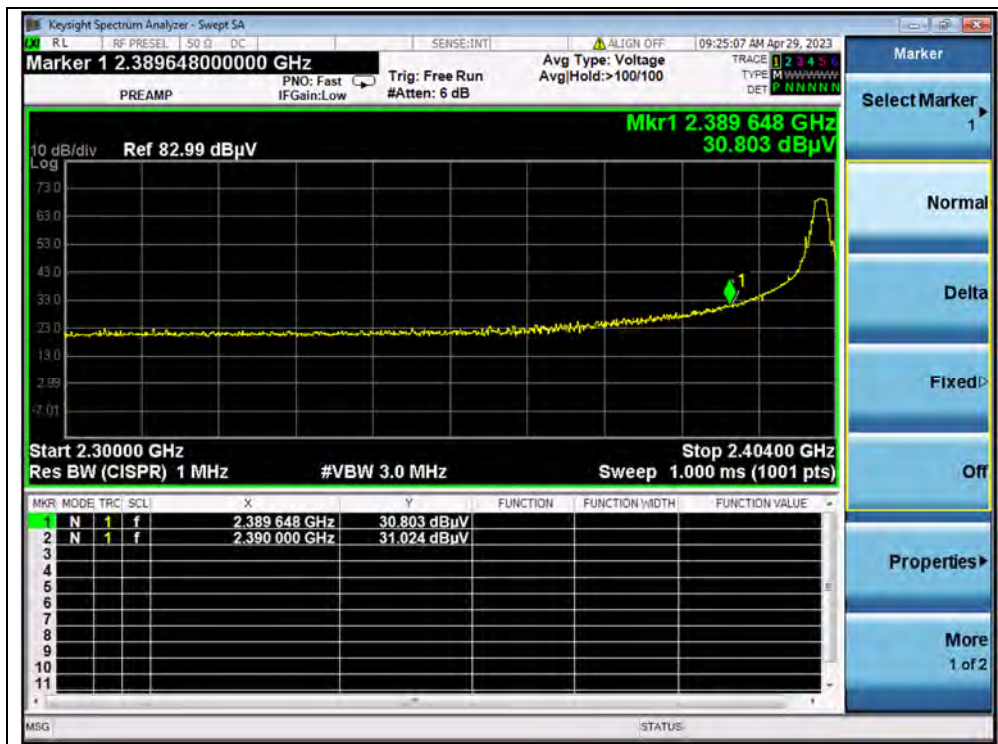


(AVERAGE, Channel 78, GFSK)

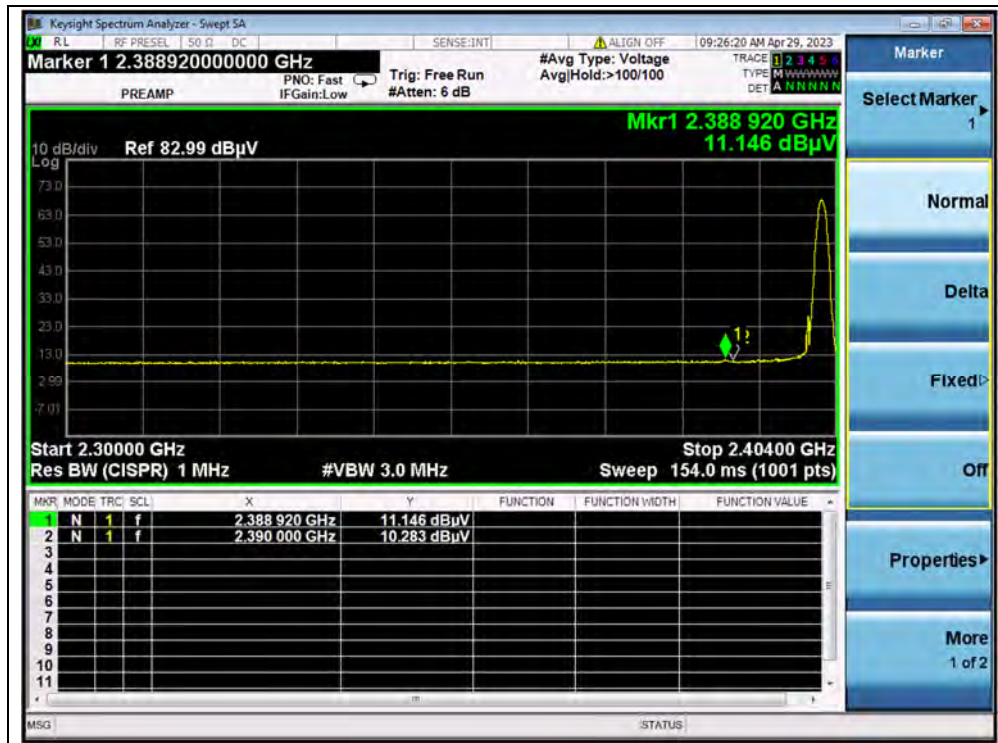


$\pi/4$ -DQPSK Mode

Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)			E (dBμV/m)		
0	2390.00	PK	31.02	6.74	27.20	64.96	74	PASS
0	2388.92	AV	11.15	6.74	27.20	45.09	54	PASS
78	2485.26	PK	23.10	6.74	27.20	57.04	74	PASS
78	2487.33	AV	13.41	6.74	27.20	47.35	54	PASS



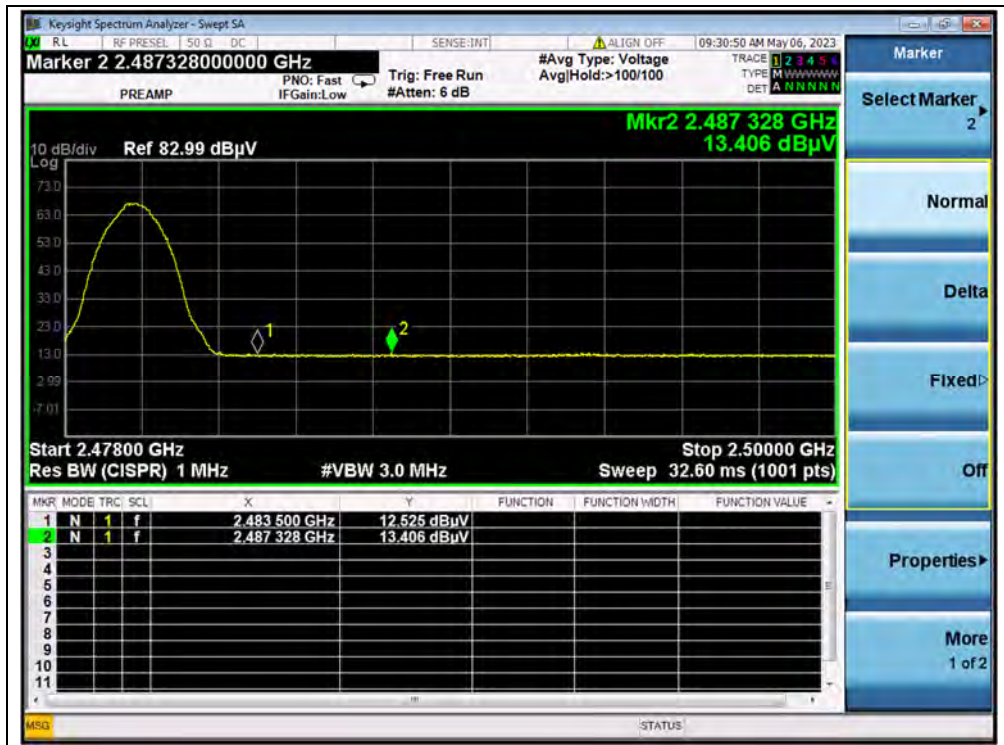
(PEAK, Channel 0, $\pi/4$ -DQPSK)



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



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

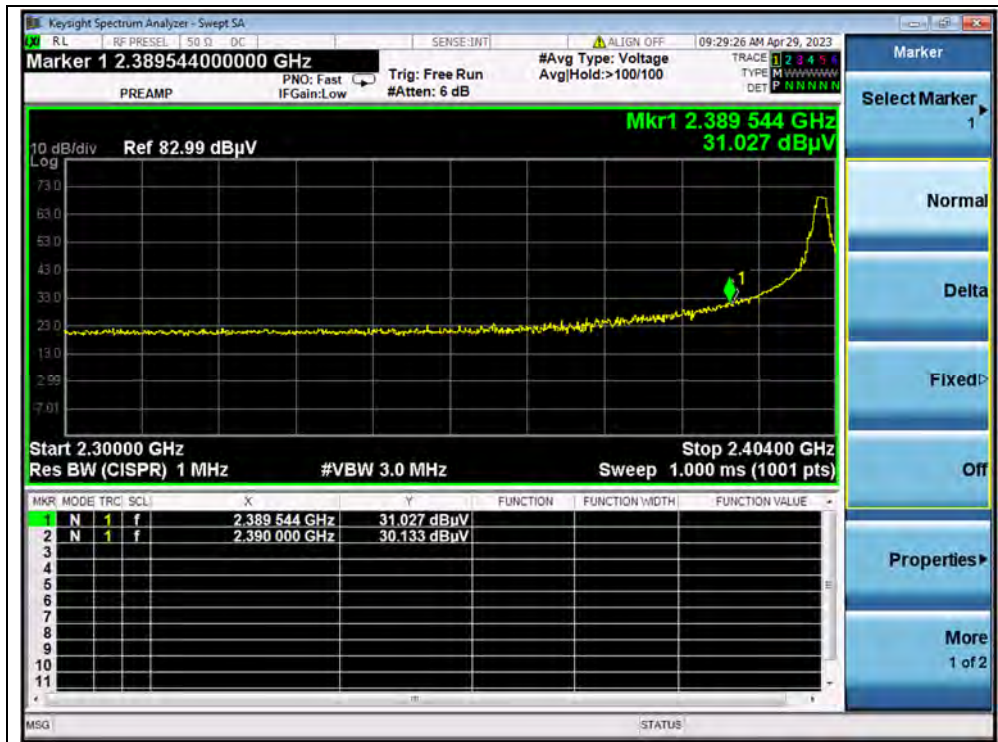


(AVERAGE, Channel 78, π/4-DQPSK)

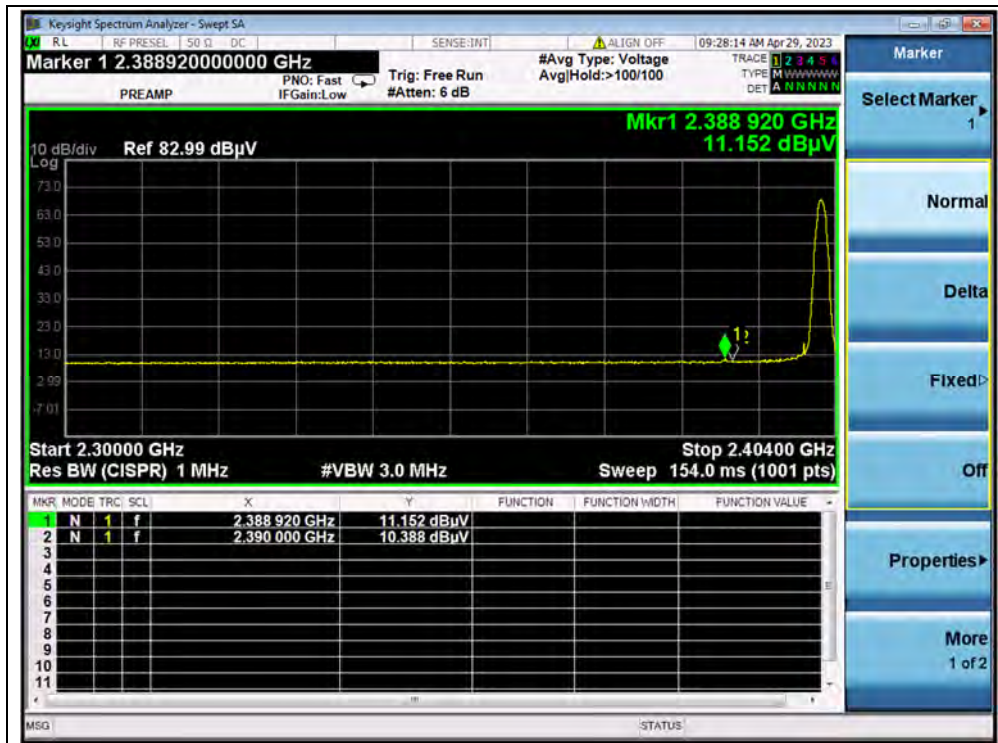


8-DPSK Mode

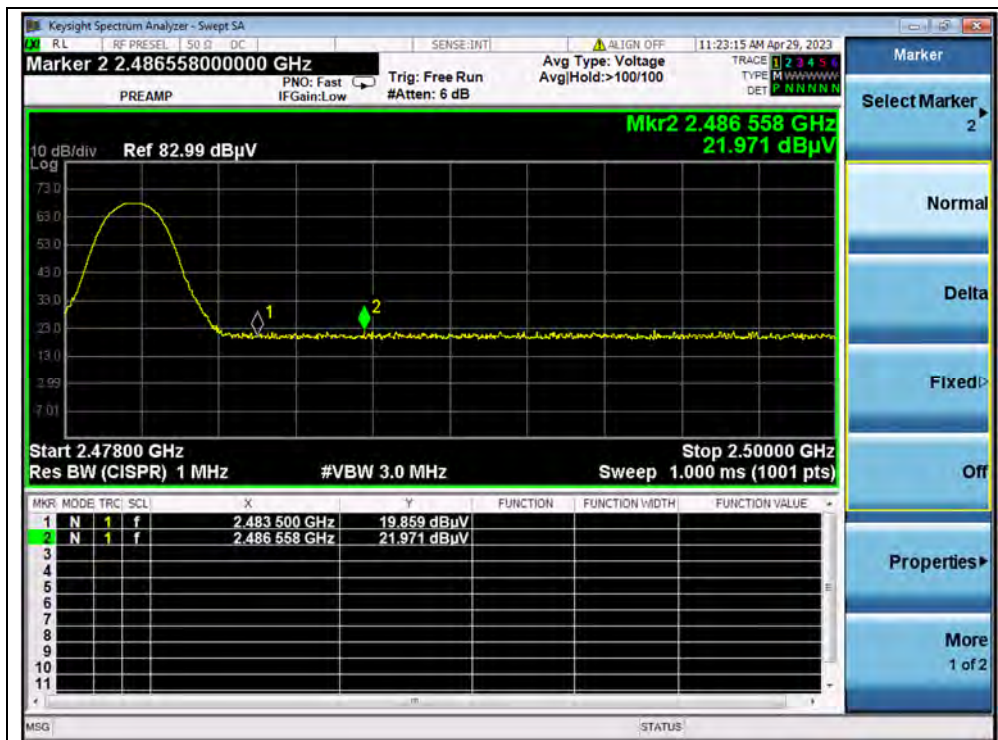
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
0	2389.54	PK	32.03	6.74	27.20	65.97	74	PASS
0	2388.92	AV	11.15	6.74	27.20	45.09	54	PASS
78	2486.56	PK	21.97	6.74	27.20	55.91	74	PASS
78	2487.72	AV	12.35	6.74	27.20	46.29	54	PASS



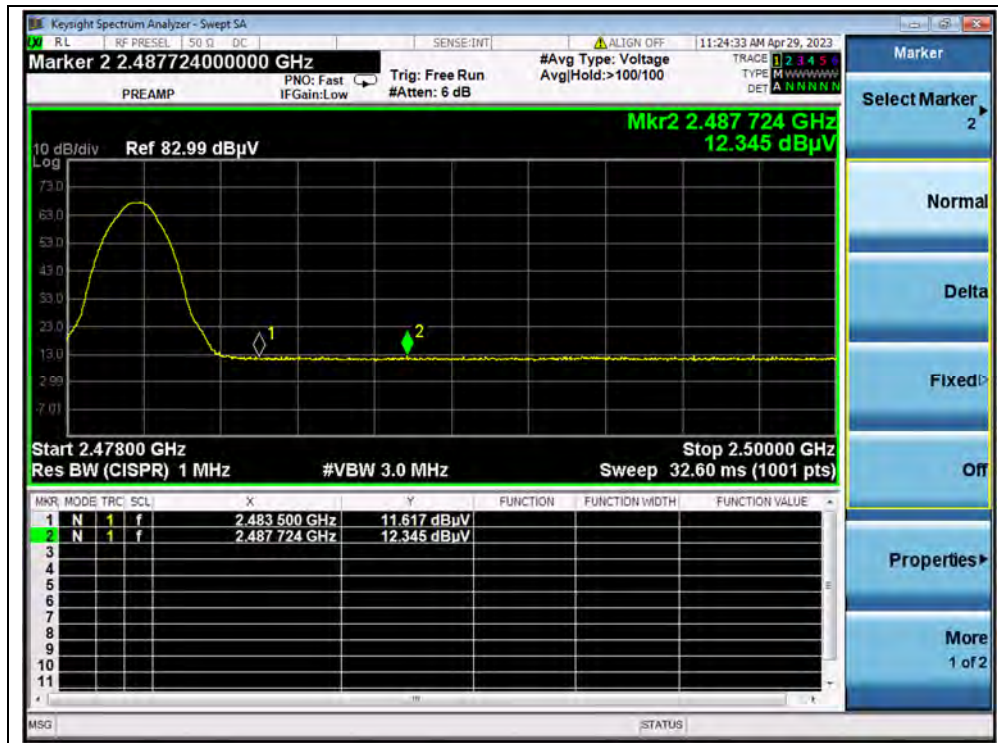
(PEAK, Channel 0, 8-DPSK)



(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)

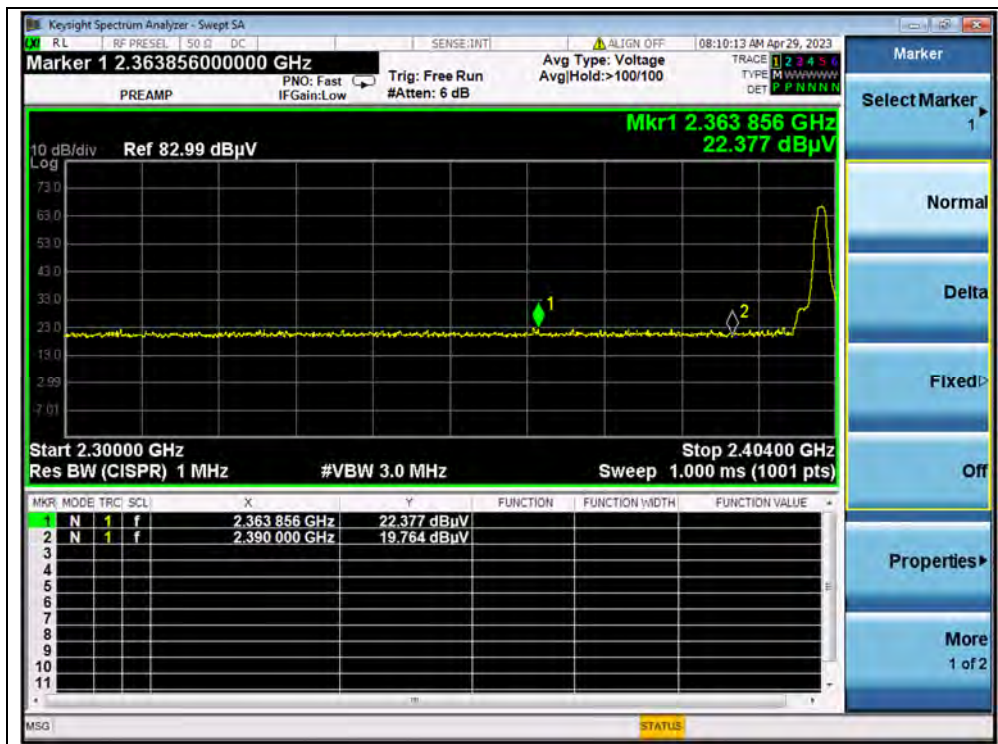


(AVERAGE, Channel 78, 8-DPSK)

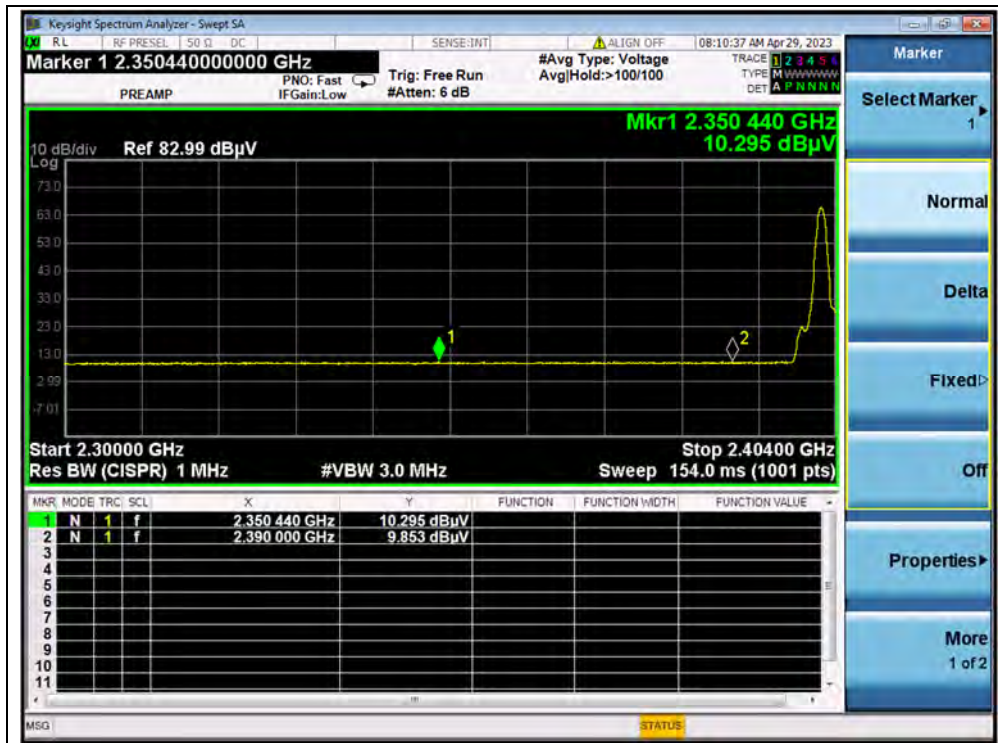


Module 2
GFSK Mode

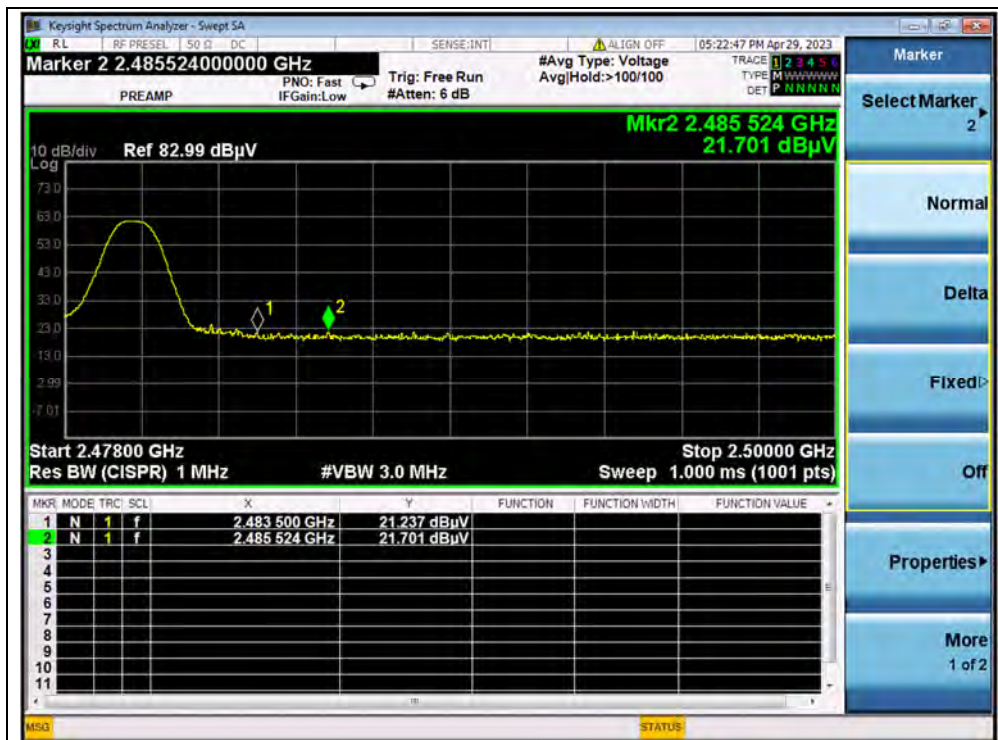
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
0	2363.86	PK	22.38	6.74	27.20	56.32	74	PASS
0	2350.44	AV	10.30	6.74	27.20	44.24	54	PASS
78	2485.52	PK	21.70	6.74	27.20	55.64	74	PASS
78	2484.49	AV	11.78	6.74	27.20	45.72	54	PASS



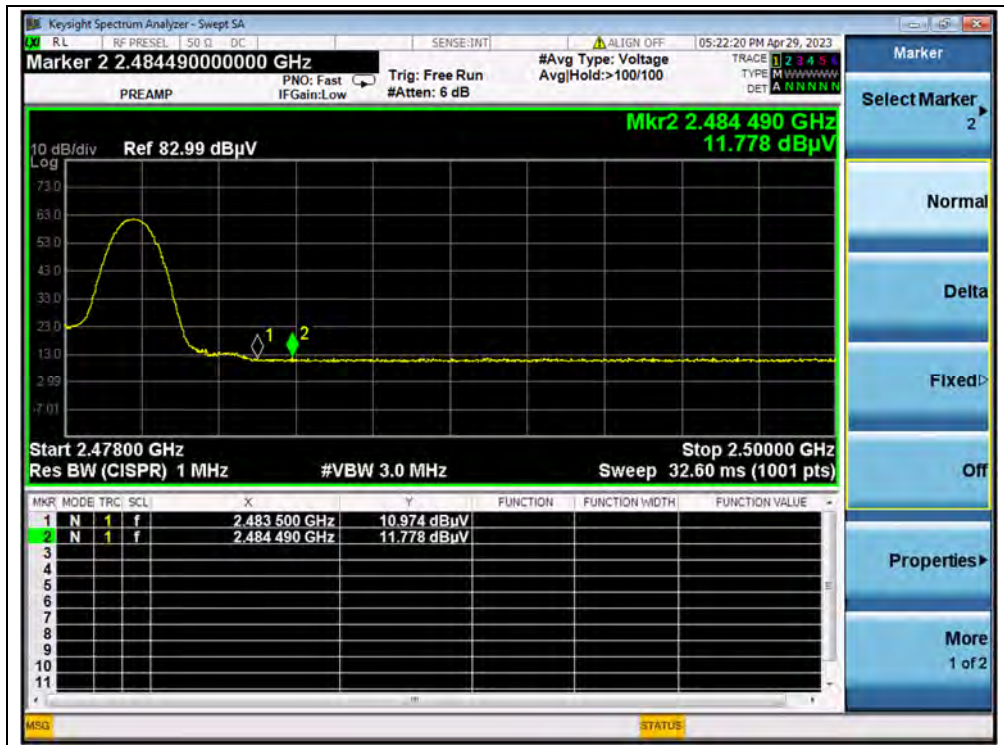
(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)

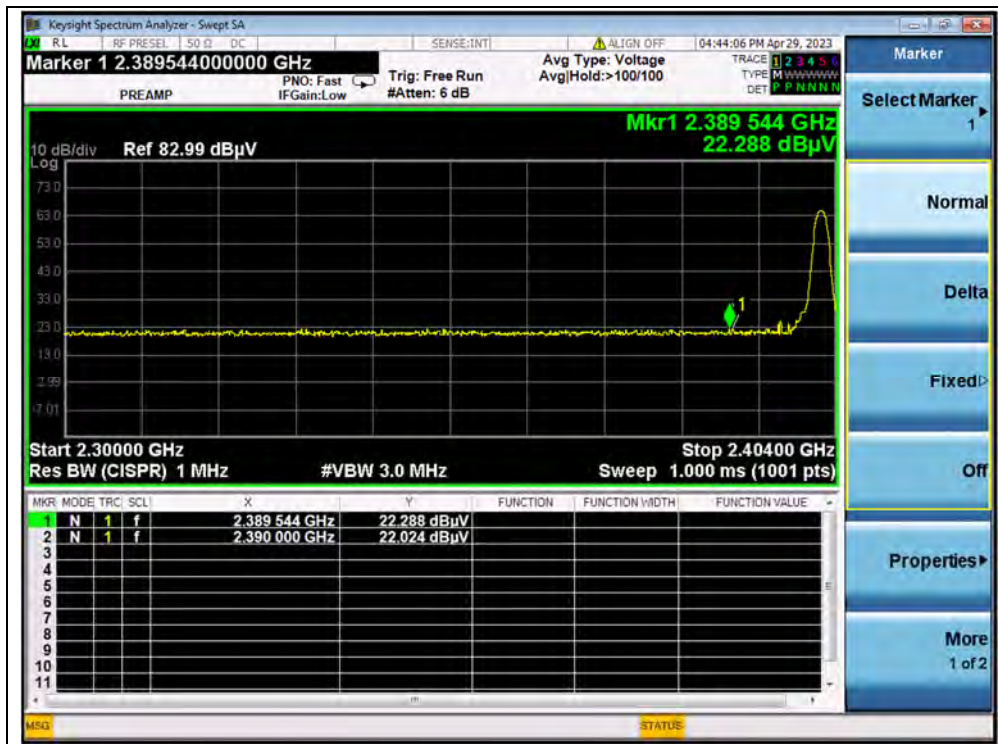


(AVERAGE, Channel 78, GFSK)

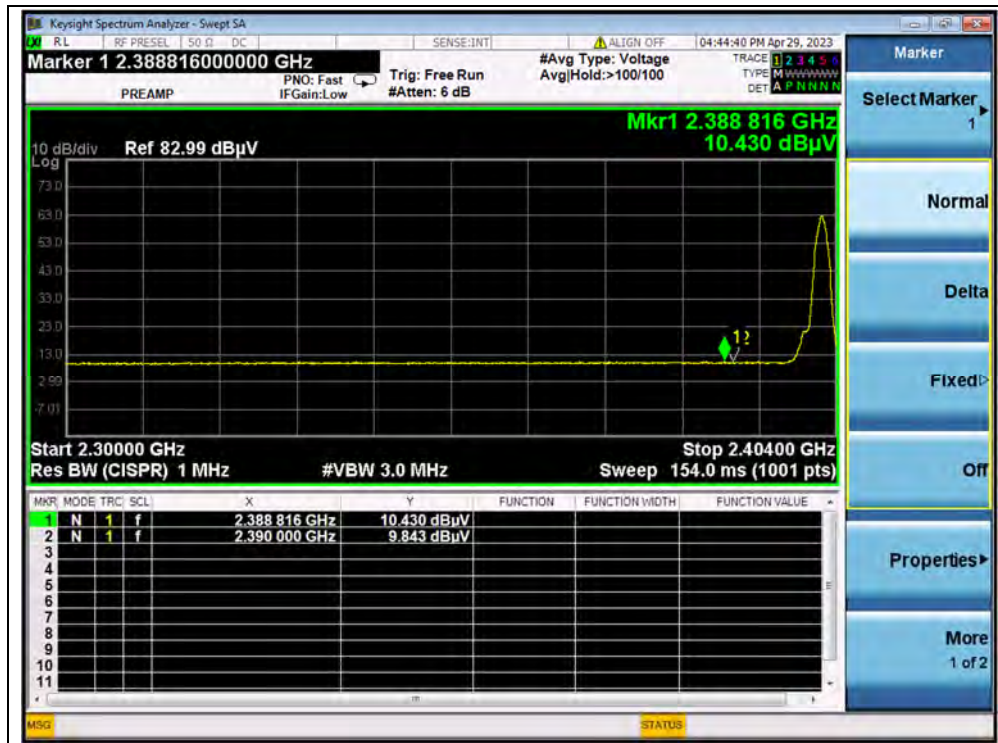


$\pi/4$ -DQPSK Mode

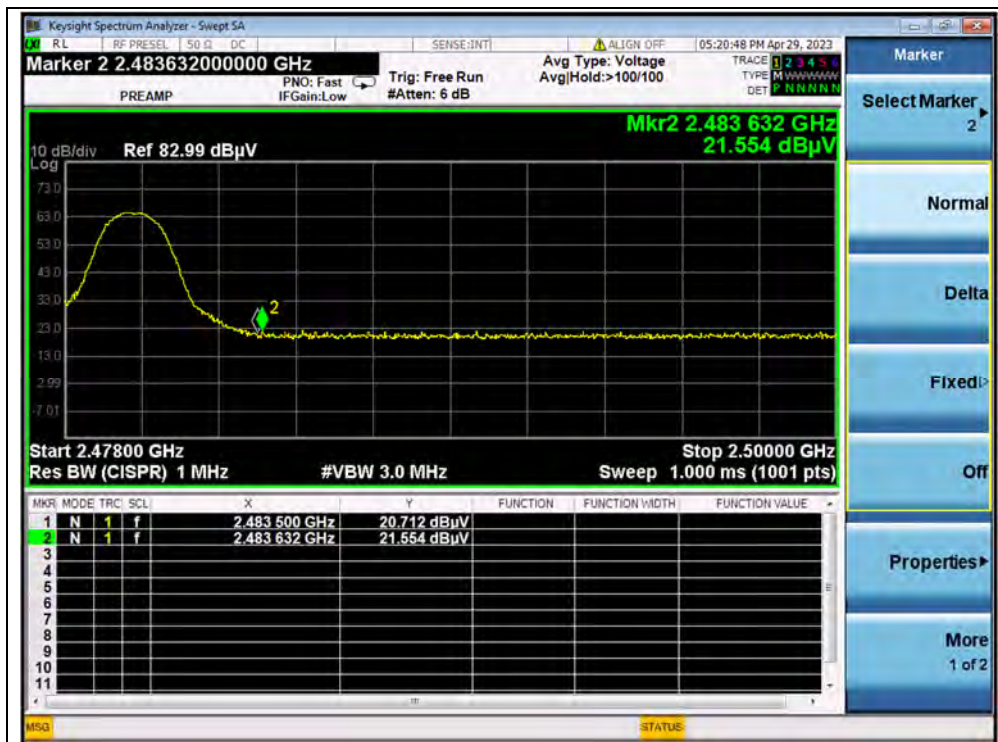
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)					
0	2389.54	PK	22.29	6.74	27.20	56.23	74	PASS
0	2388.82	AV	10.43	6.74	27.20	44.37	54	PASS
78	2483.63	PK	21.55	6.74	27.20	55.49	74	PASS
78	2483.74	AV	11.35	6.74	27.20	45.29	54	PASS



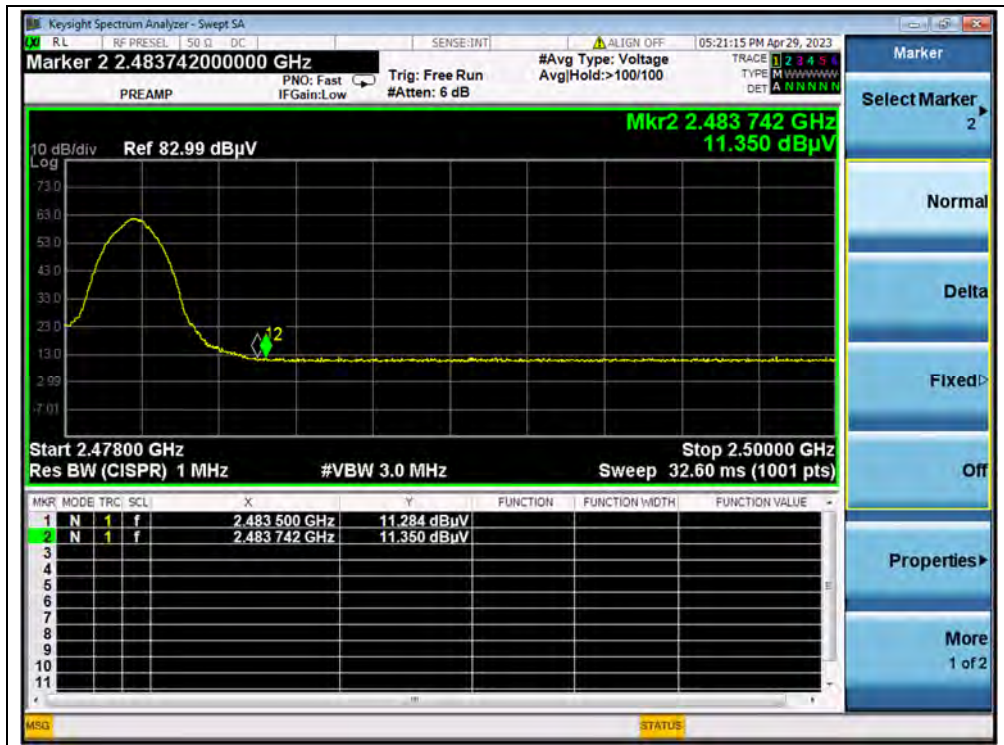
(PEAK, Channel 0, $\pi/4$ -DQPSK)



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



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

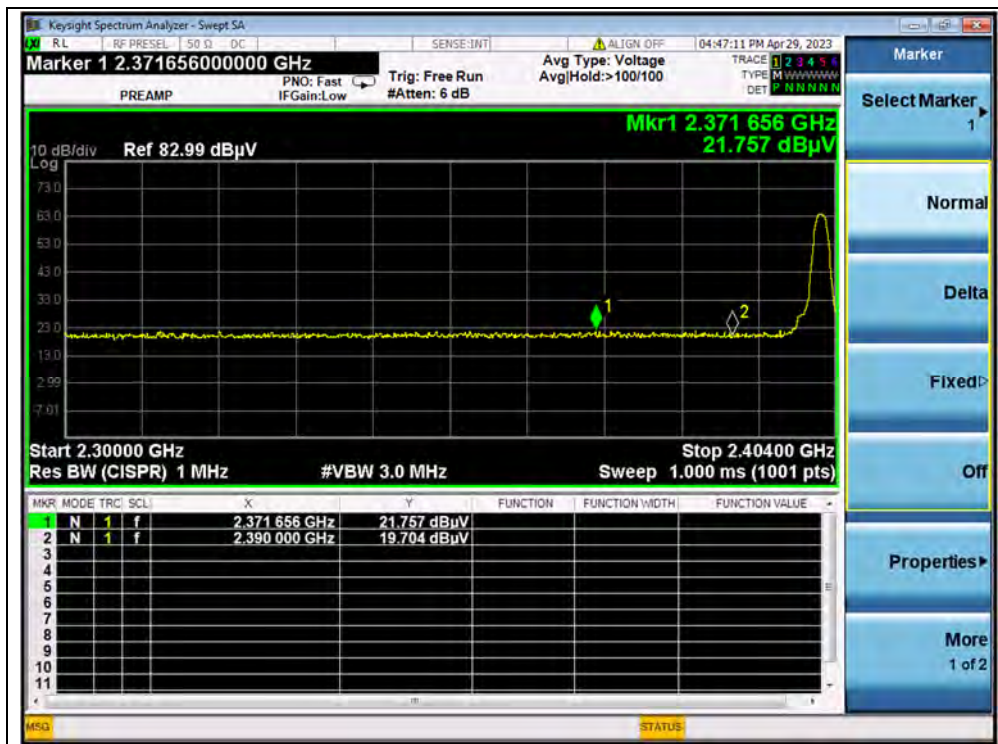


(AVERAGE, Channel 78, π/4-DQPSK)

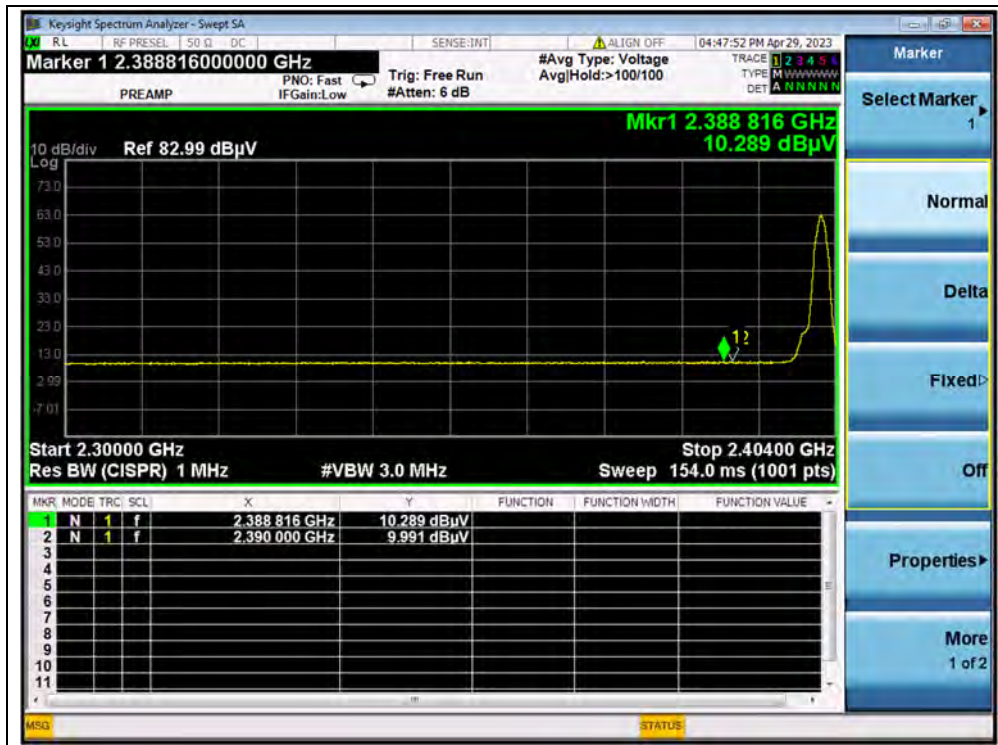


8-DPSK Mode

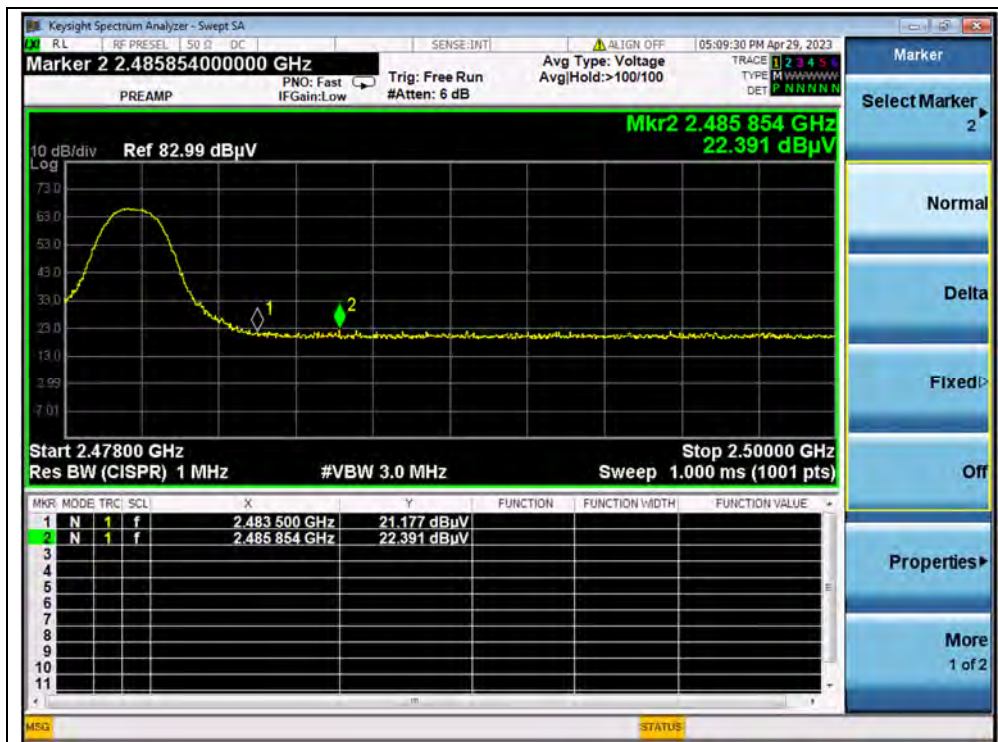
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)					
0	2371.66	PK	21.76	6.74	27.20	55.70	74	PASS
0	2388.82	AV	10.29	6.74	27.20	44.23	54	PASS
78	2485.85	PK	22.39	6.74	27.20	56.33	74	PASS
78	2483.57	AV	11.99	6.74	27.20	45.93	54	PASS



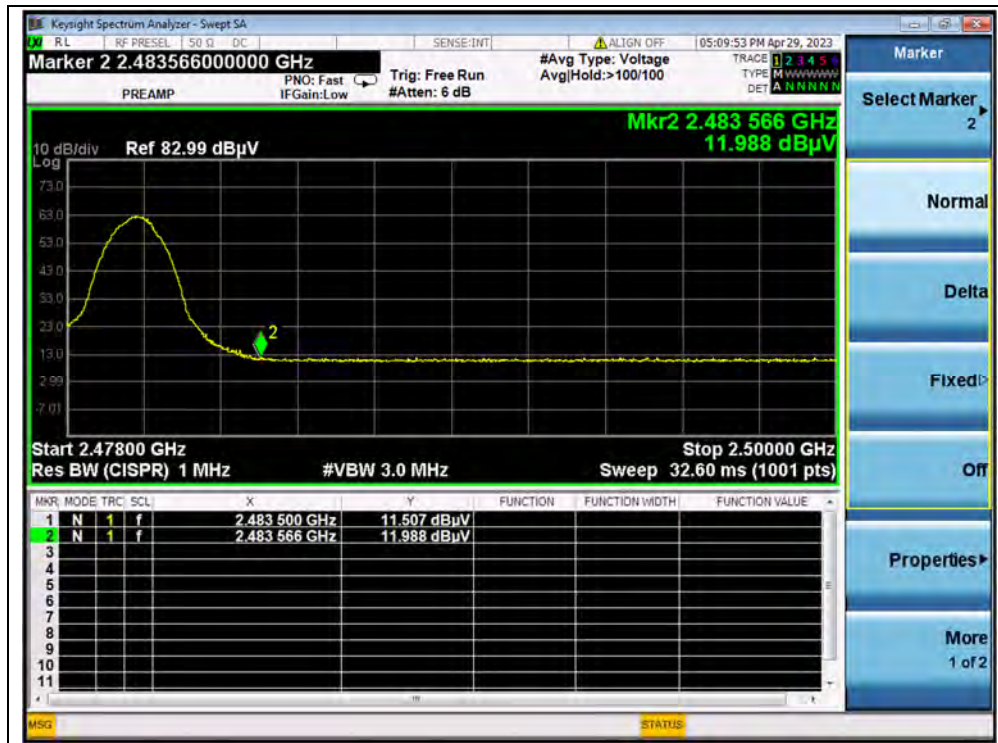
(PEAK, Channel 0, 8-DPSK)



(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)



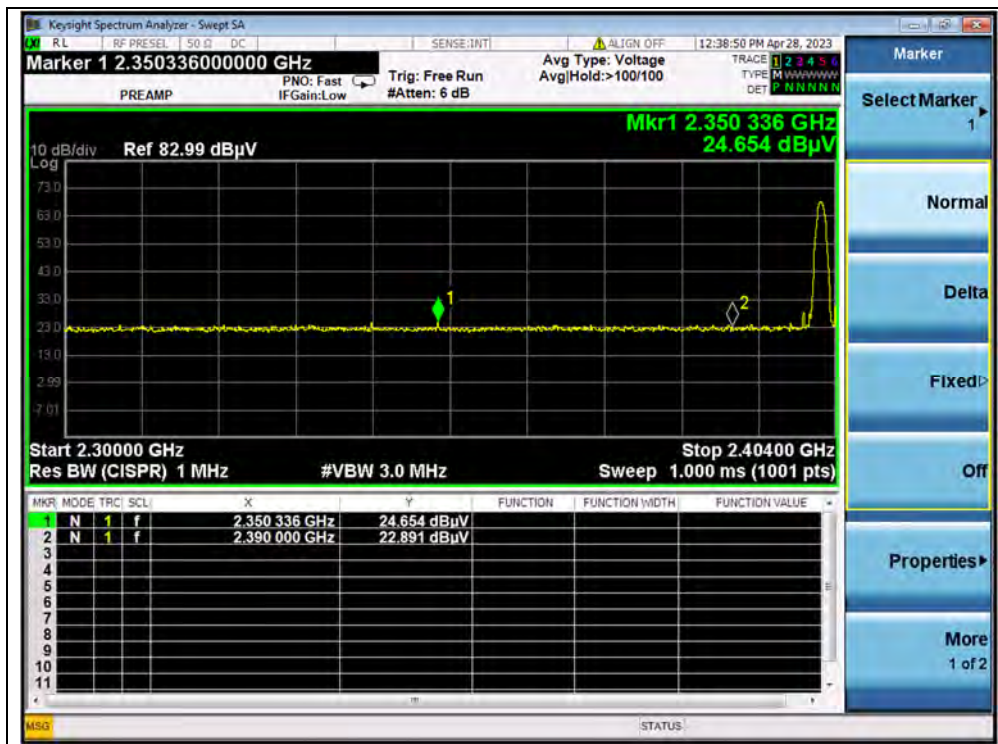
(AVERAGE, Channel 78, 8-DPSK)



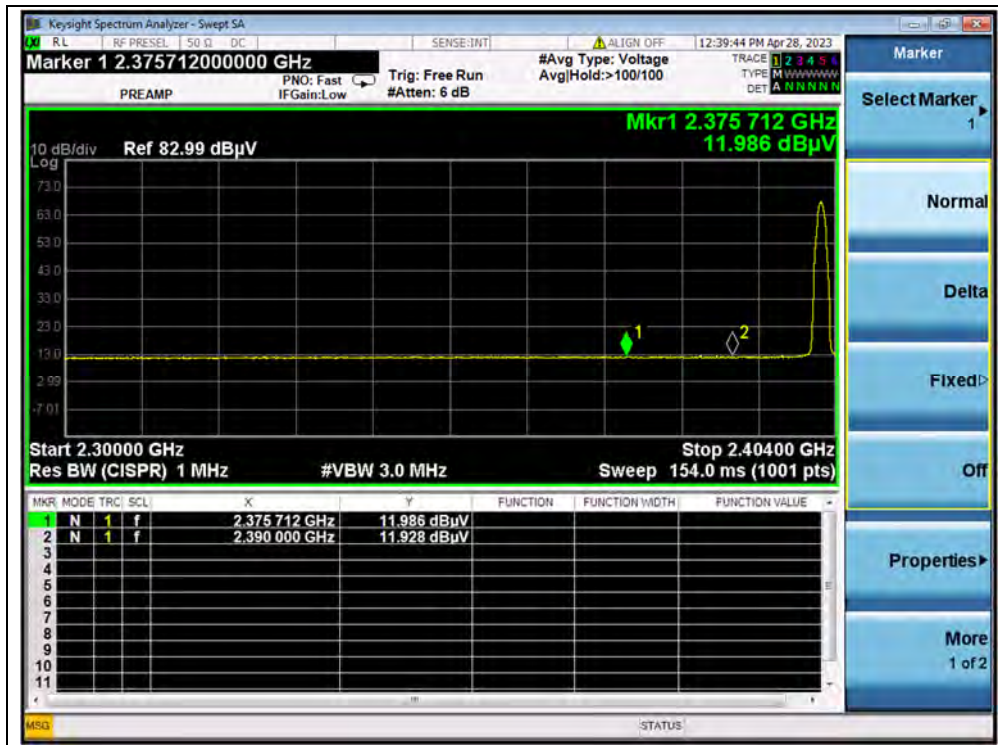
Module 3

GFSK Mode

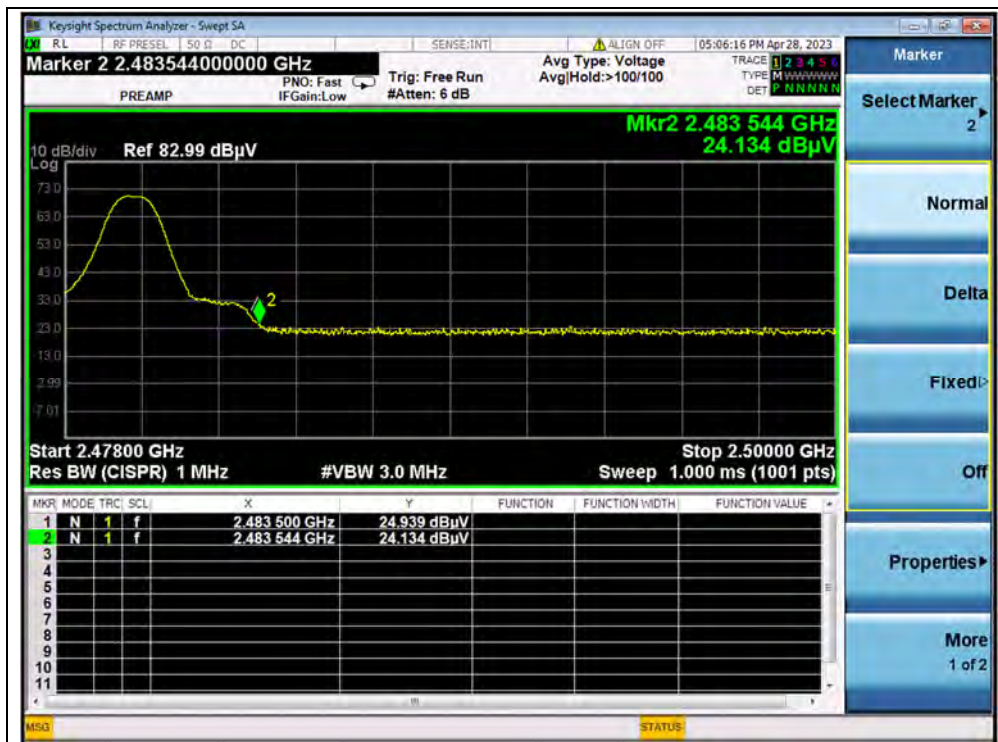
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
0	2350.34	PK	24.65	6.74	27.20	58.59	74	PASS
0	2375.71	AV	11.99	6.74	27.20	45.93	54	PASS
78	2483.50	PK	24.94	6.74	27.20	58.88	74	PASS
78	2483.50	AV	15.22	6.74	27.20	49.16	54	PASS



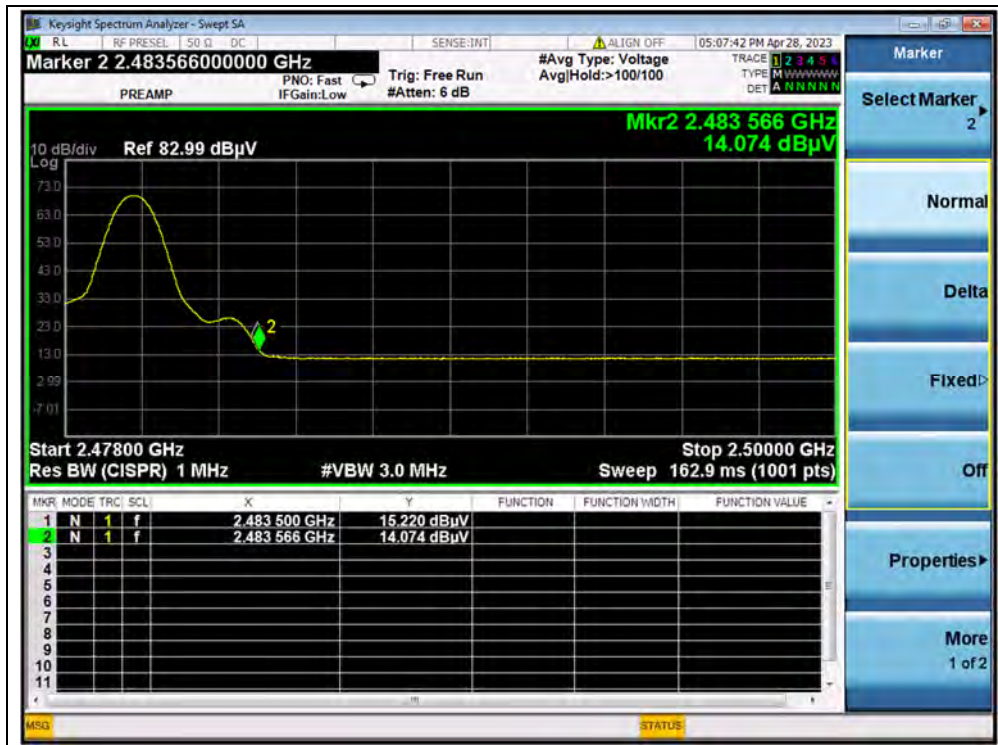
(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)



(PEAK, Channel 78, GFSK)

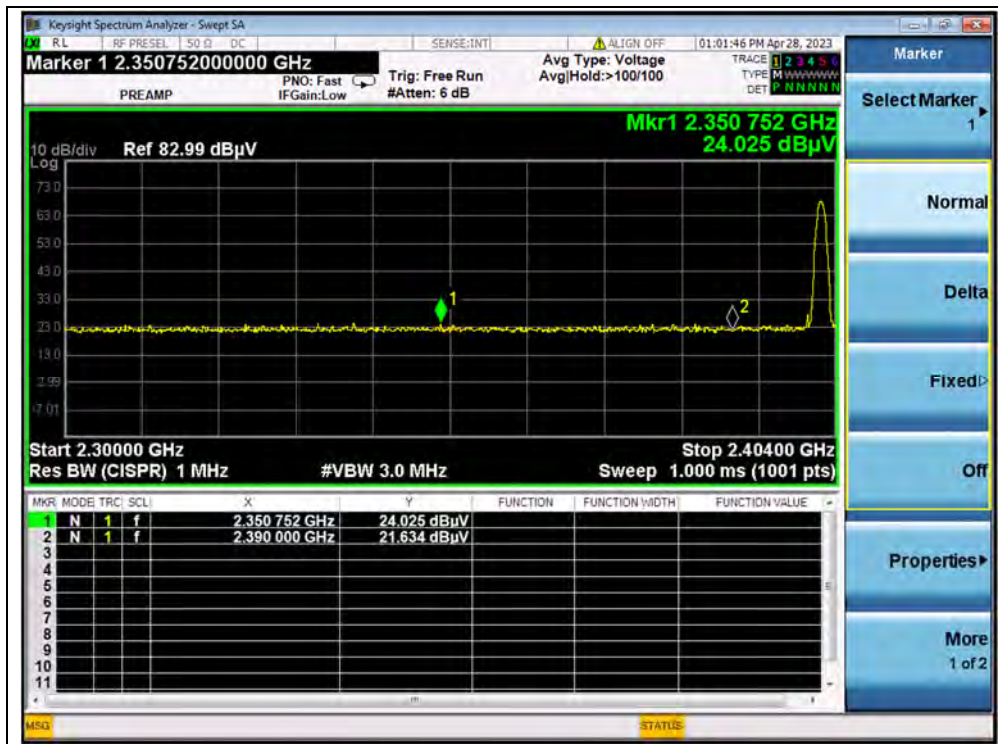


(AVERAGE, Channel 78, GFSK)

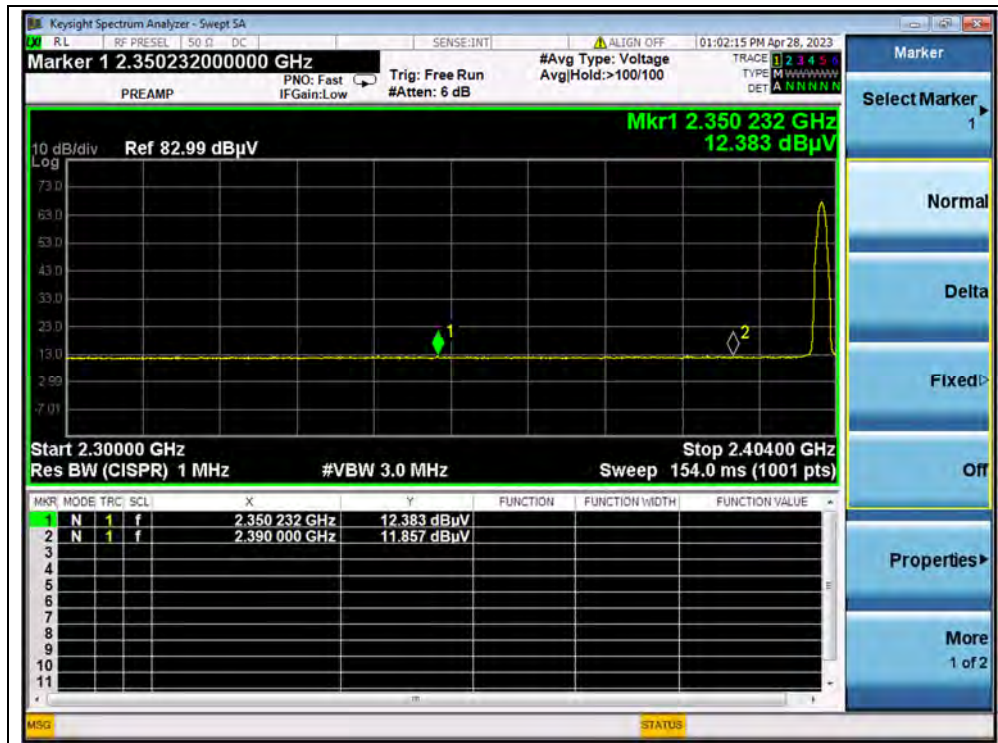


$\pi/4$ -DQPSK Mode

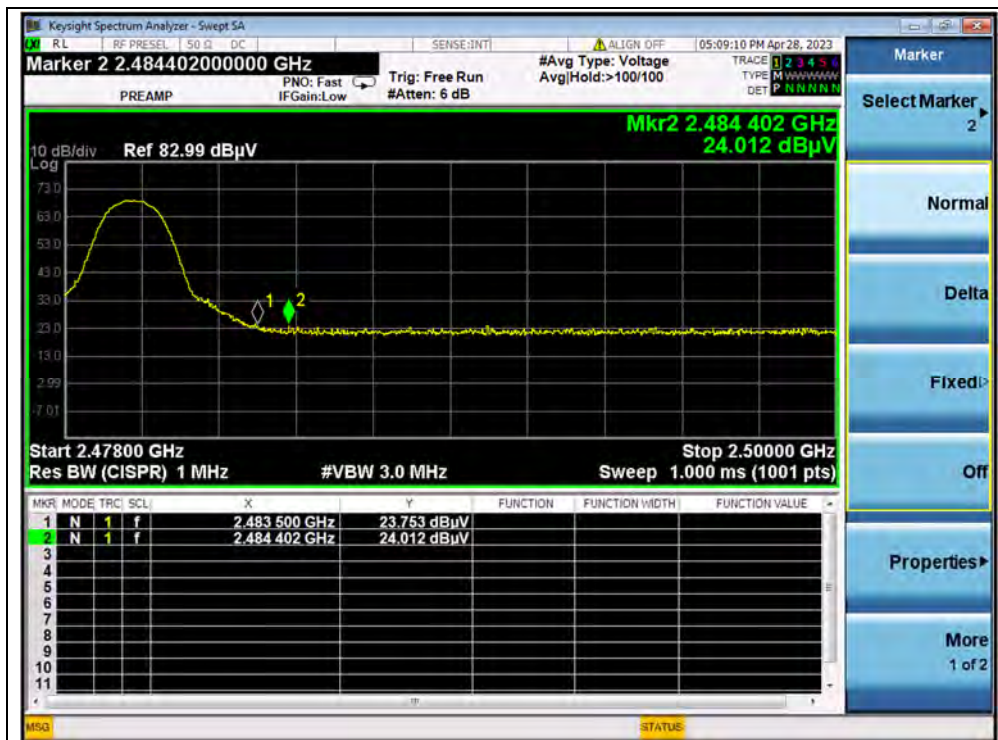
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)			E (dBμV/m)		
0	2350.75	PK	24.03	6.74	27.20	57.97	74	PASS
0	2350.23	AV	12.38	6.74	27.20	46.32	54	PASS
78	2484.40	PK	24.01	6.74	27.20	57.95	74	PASS
78	2483.50	AV	14.44	6.74	27.20	48.38	54	PASS



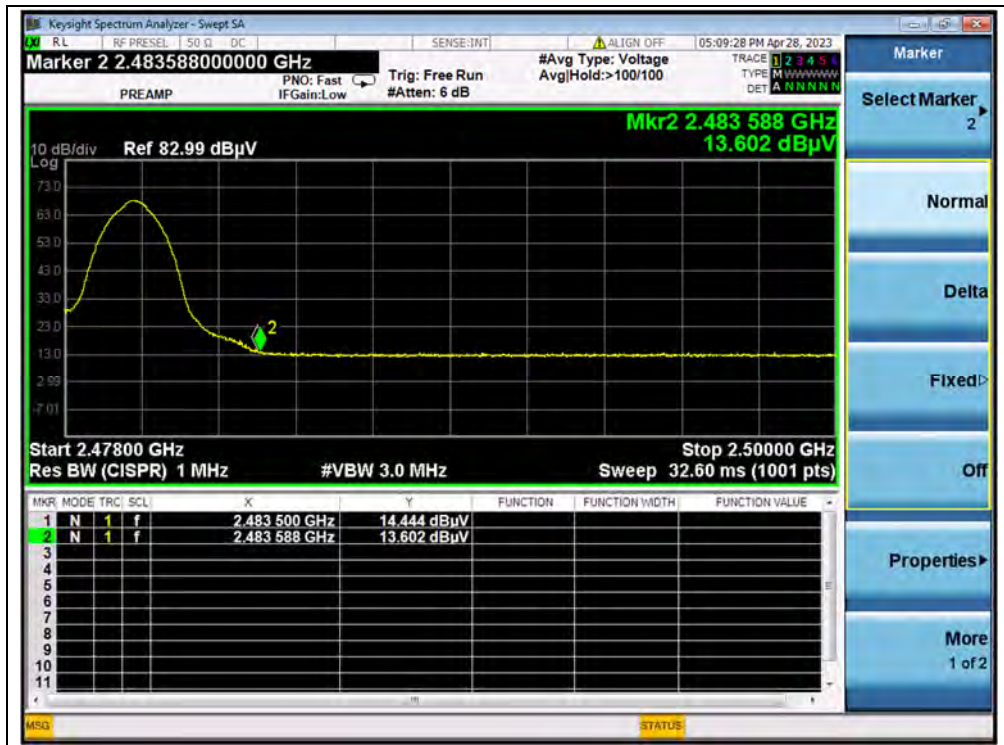
(PEAK, Channel 0, $\pi/4$ -DQPSK)



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



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

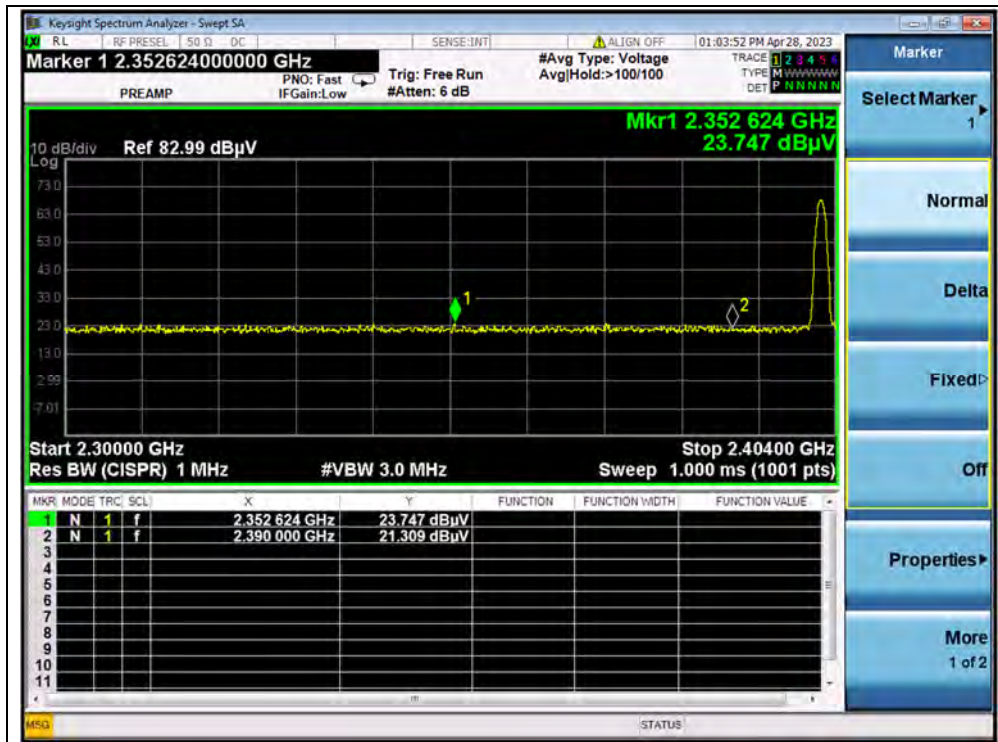


(AVERAGE, Channel 78, π/4-DQPSK)

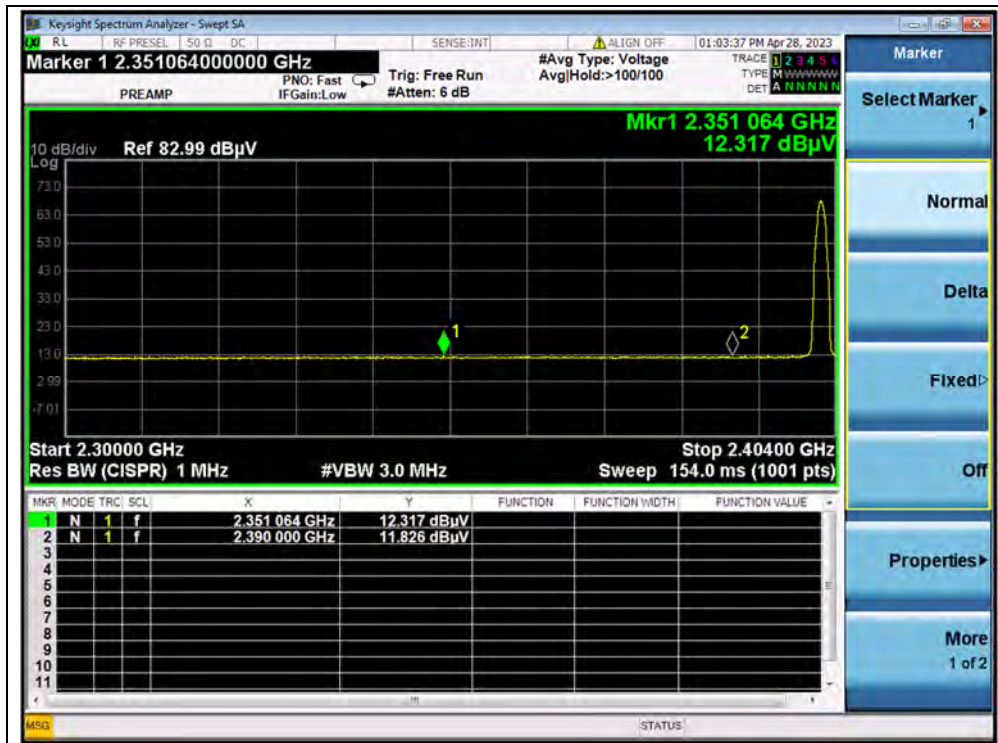


8-DPSK Mode

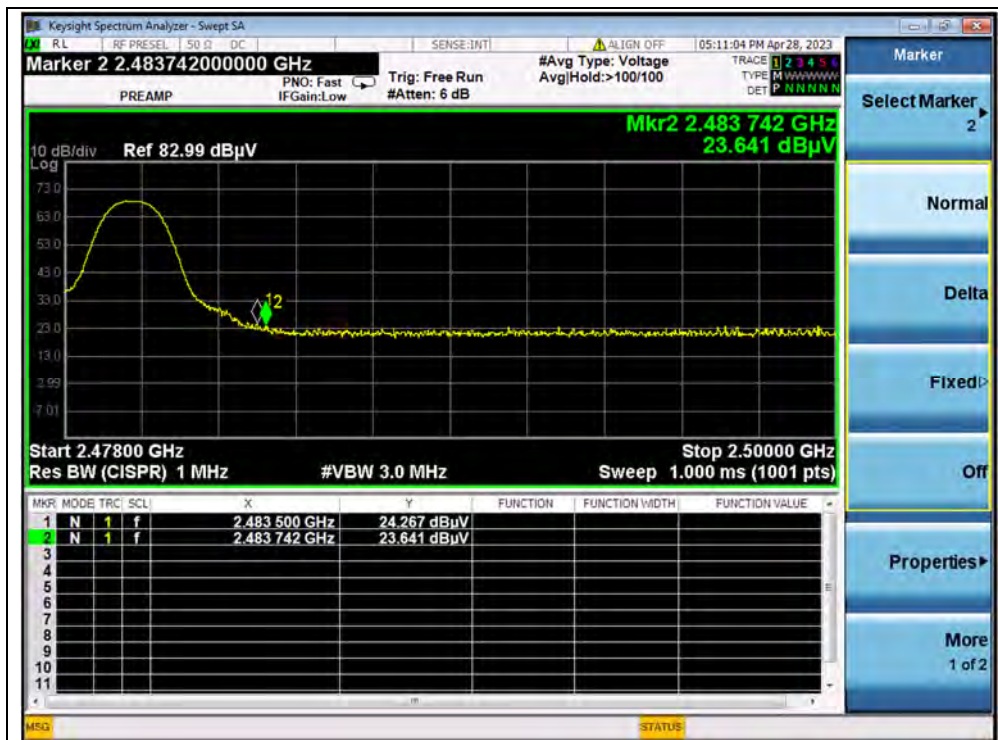
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
0	2352.62	PK	23.75	6.74	27.20	57.69	74	PASS
0	2351.06	AV	12.32	6.74	27.20	46.26	54	PASS
78	2483.50	PK	24.27	6.74	27.20	58.21	74	PASS
78	2483.50	AV	14.65	6.74	27.20	48.59	54	PASS



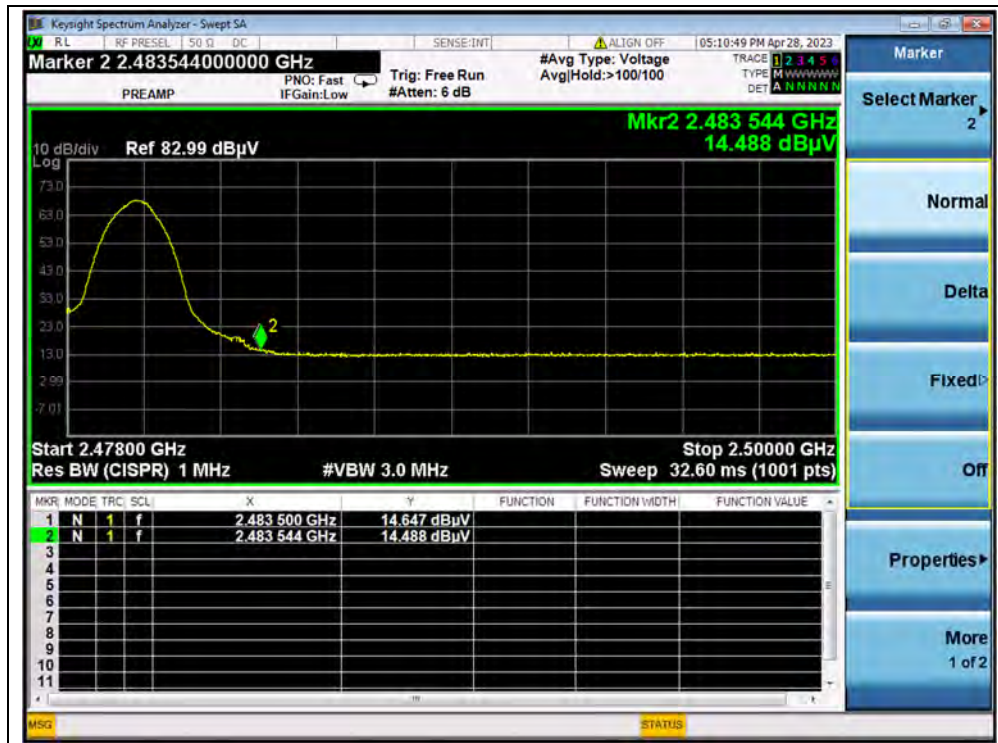
(PEAK, Channel 0, 8-DPSK)



(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:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

Note2: For the frequency, which started from 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.

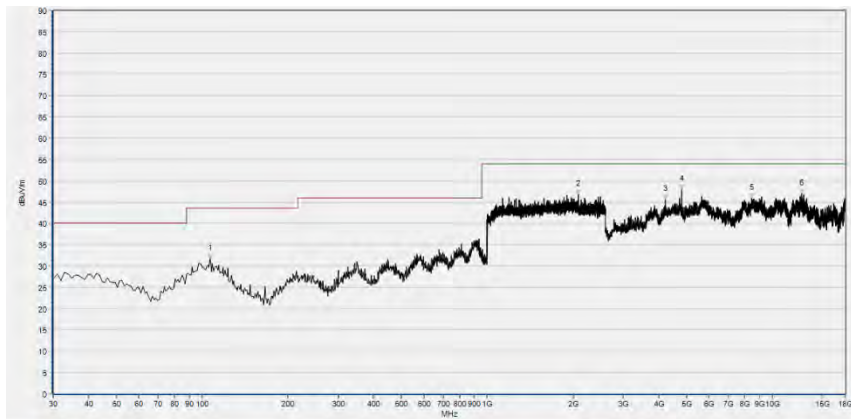
Module 1, GFSK Mode

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
103.720	32.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1120.000	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3859.720	44.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4802.200	54.51	N/A	47.81	74.00	N/A	54.00	Horizontal	PASS
8975.600	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12585.360	46.66	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
106.630	31.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2086.933	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4207.760	45.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4805.280	47.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8439.680	45.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12683.920	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

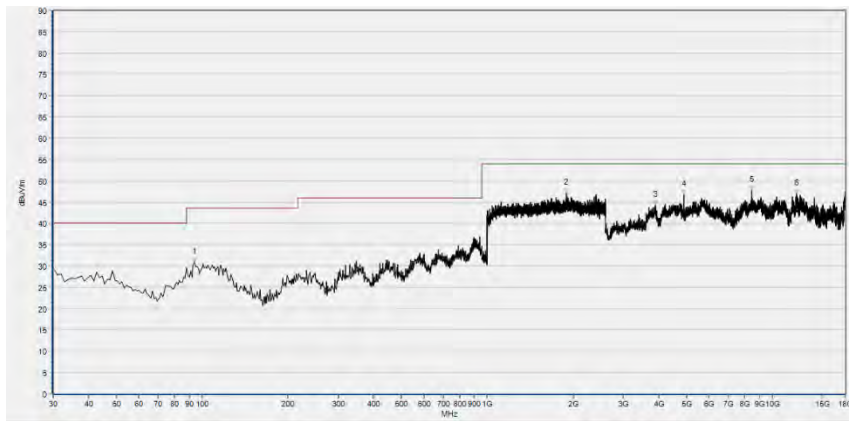
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1950.400	46.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	55.32	N/A	50.17	74.00	N/A	54.00	Horizontal	PASS
5686.160	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8359.600	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11741.440	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

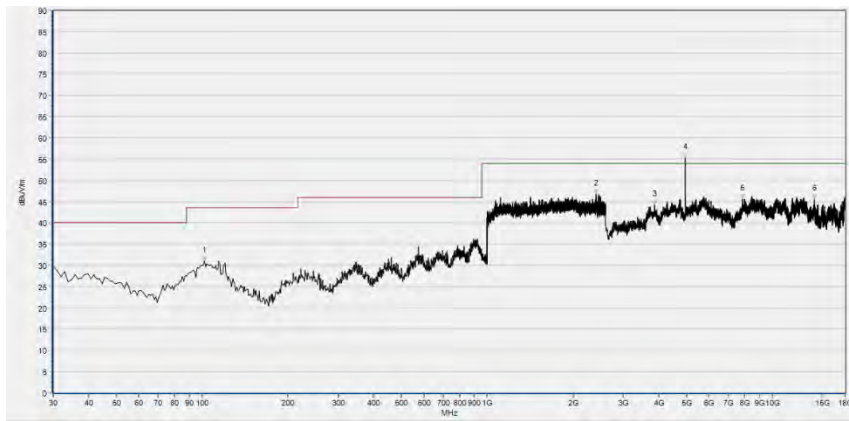
(Antenna Horizontal, 30MHz to 18GHz)



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
94.020	30.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1896.000	47.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3878.200	44.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	46.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8458.160	47.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12135.680	46.93	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
101.780	31.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2413.333	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3862.800	44.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	55.27	N/A	50.27	74.00	N/A	54.00	Horizontal	PASS
7860.640	45.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14014.480	45.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



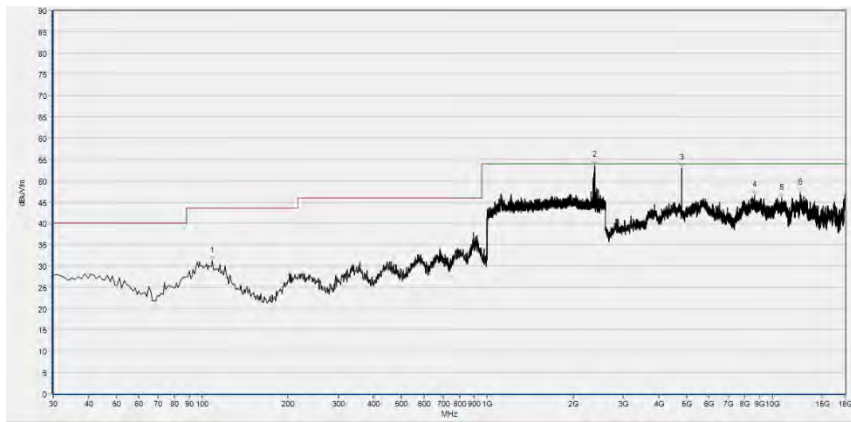
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
105.660	31.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1859.200	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3872.040	45.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8522.840	45.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12496.040	46.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



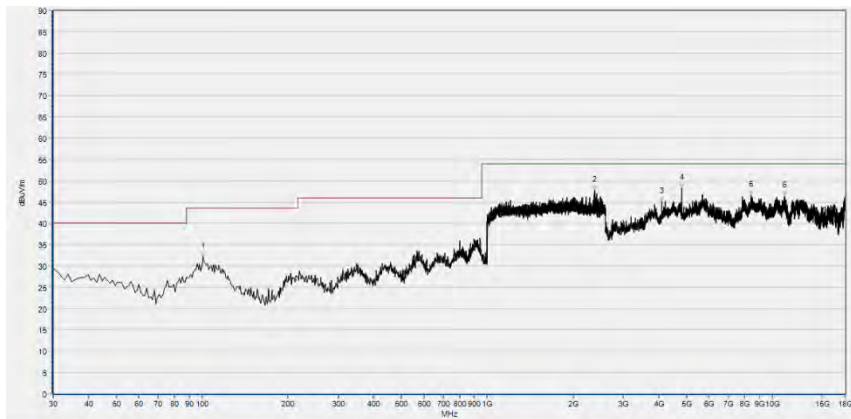
$\pi/4$ -DQPSK Mode

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
108.570	31.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2374.400	53.59	N/A	32.67	74.00	N/A	54.00	Horizontal	PASS
4805.280	52.93	N/A	48.21	74.00	N/A	54.00	Horizontal	PASS
8658.360	46.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10802.040	45.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12508.360	47.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

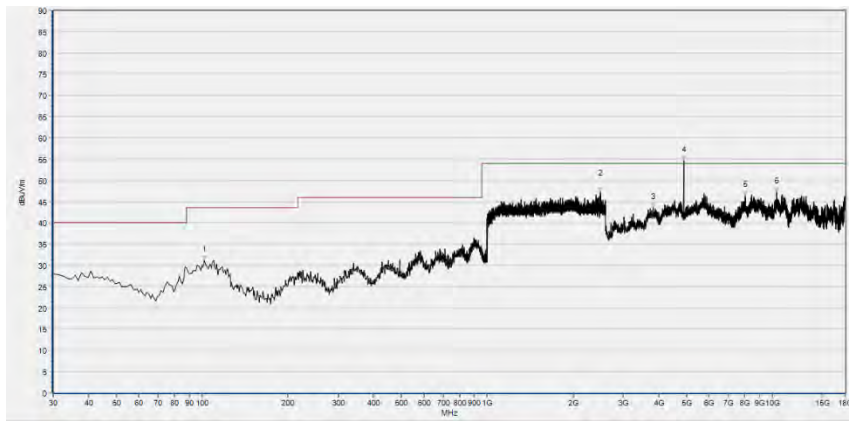
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	32.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2379.200	47.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4099.960	45.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4802.200	48.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8418.120	46.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11005.320	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

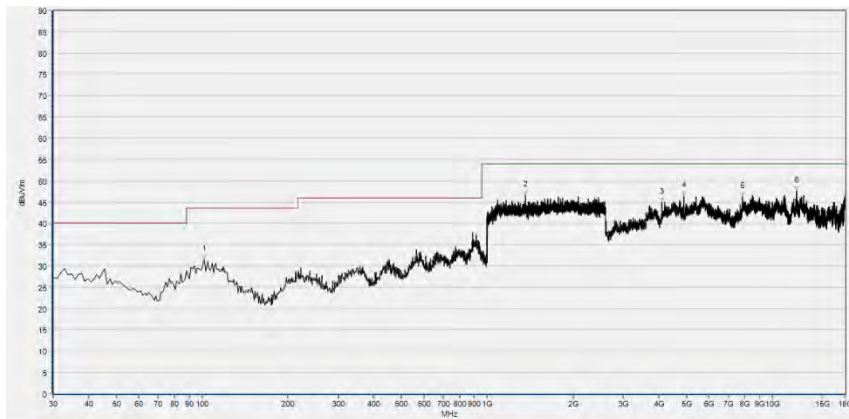
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	31.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2498.133	47.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3822.760	43.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	54.63	N/A	50.92	74.00	N/A	54.00	Horizontal	PASS
8020.800	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10330.800	47.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

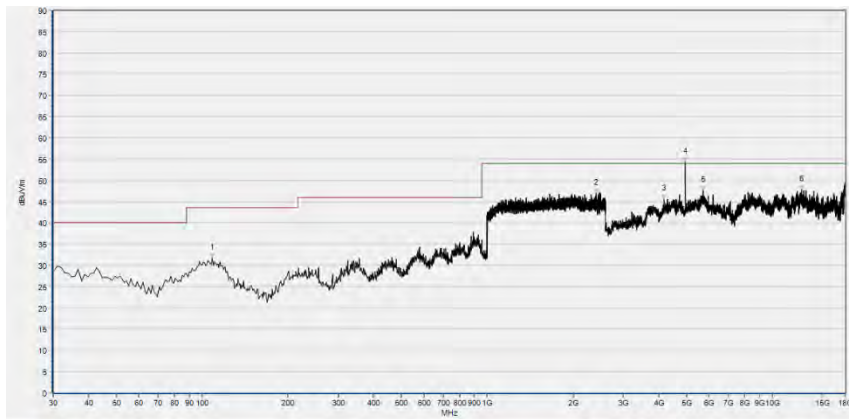
(Antenna Horizontal, 30MHz to 18GHz)



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	31.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1360.533	46.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4103.040	44.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4882.280	46.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7845.240	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12188.040	47.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

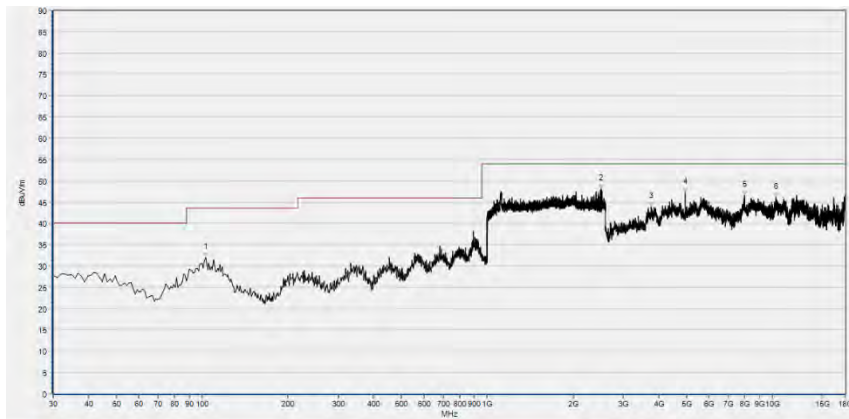
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2413.333	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4170.800	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	54.27	N/A	47.26	74.00	N/A	54.00	Horizontal	PASS
5701.560	47.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12646.960	47.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



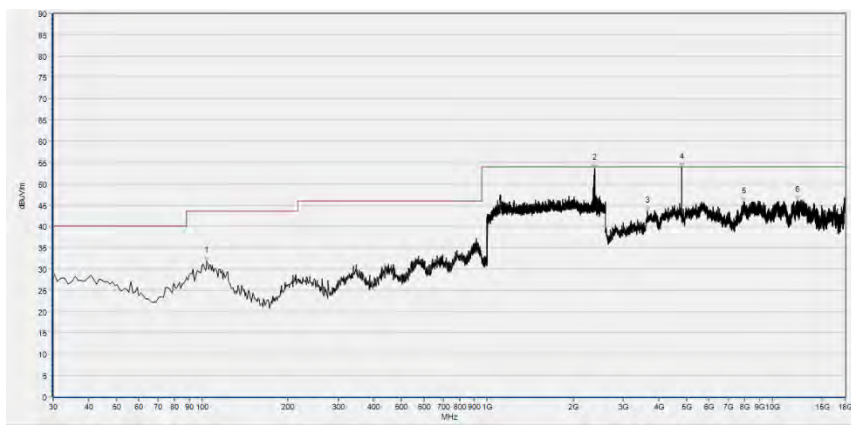
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2507.200	48.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3764.240	43.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	47.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7974.600	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10293.840	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



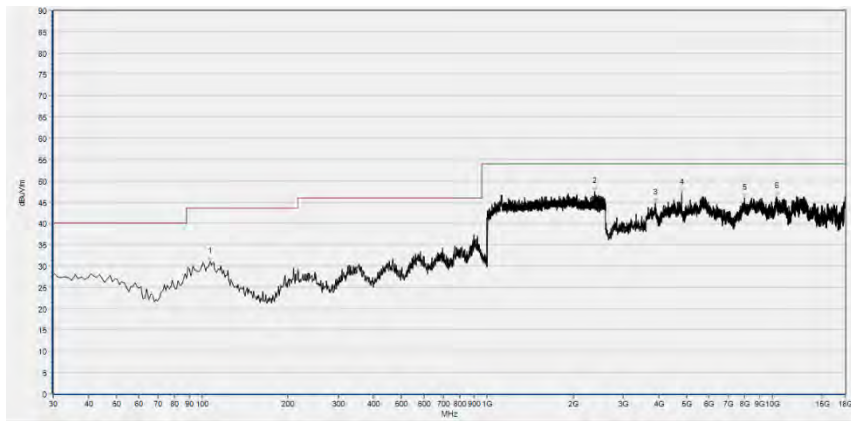
8-DPSK Mode

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	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2381.333	53.62	N/A	32.62	74.00	N/A	54.00	Horizontal	PASS
3650.280	43.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4802.200	53.81	N/A	49.38	74.00	N/A	54.00	Horizontal	PASS
7953.040	45.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12200.360	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

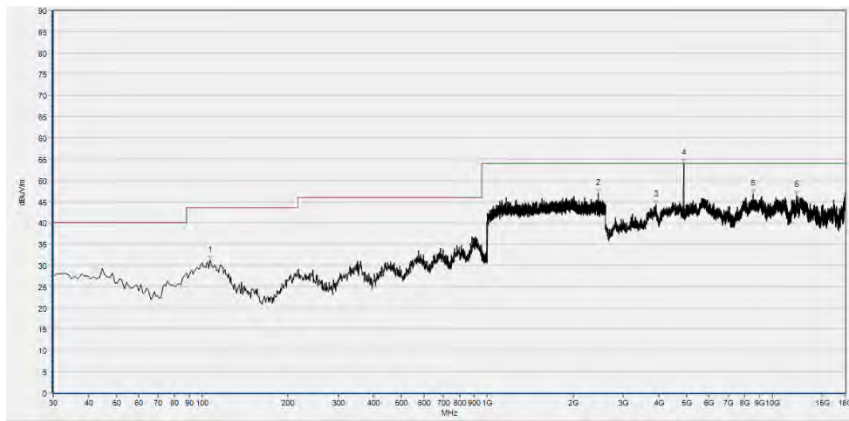
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	30.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2383.467	47.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3884.360	44.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4805.280	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7977.680	46.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10367.760	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

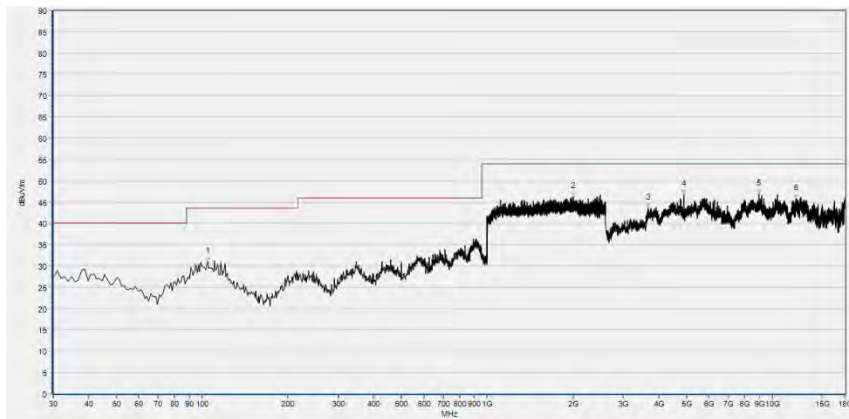
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	31.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2451.200	46.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3899.760	44.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	54.02	N/A	46.37	74.00	N/A	54.00	Horizontal	PASS
8578.280	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12148.000	46.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

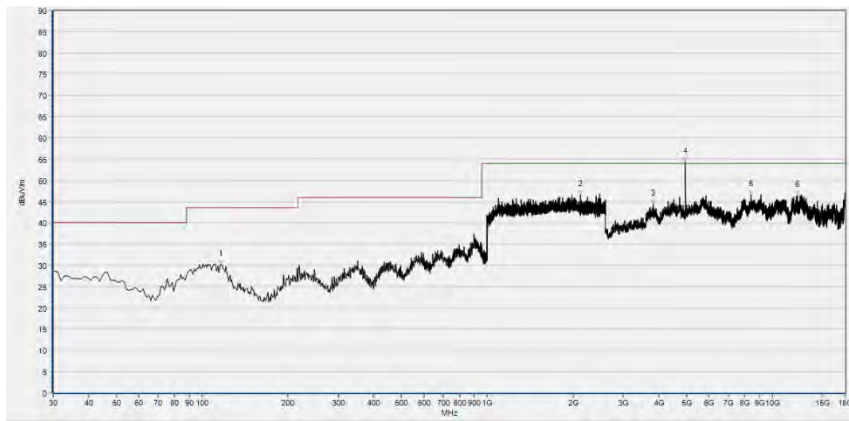
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	31.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2002.667	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3674.920	43.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4882.280	46.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8947.880	46.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12120.280	45.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

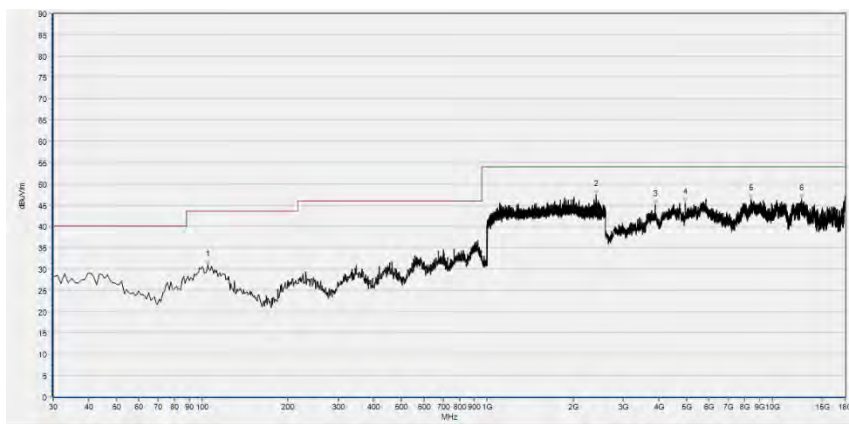
(Antenna Vertical, 30MHz to 18GHz)

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
116.330	30.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2117.867	46.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3825.840	44.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	54.35	N/A	46.82	74.00	N/A	54.00	Horizontal	PASS
8415.040	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12203.440	46.45	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
104.690	30.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2414.933	47.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3875.120	45.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	45.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8411.960	46.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12662.360	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



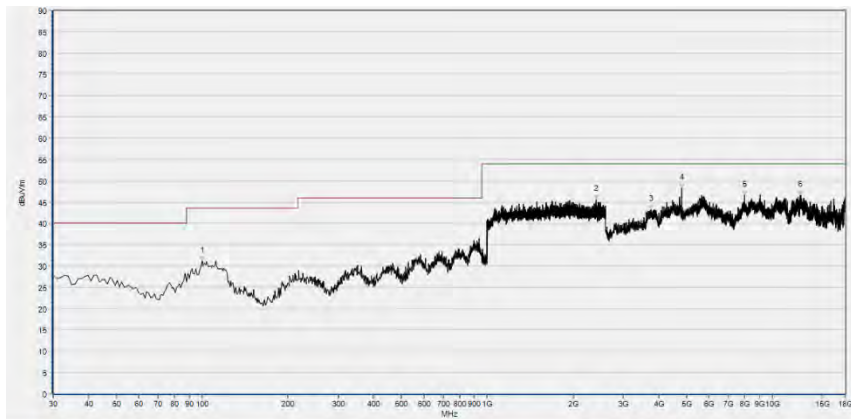
Module 2, GFSK Mode

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	30.75	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1486.400	46.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3237.560	42.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4805.280	48.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7943.800	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	46.56	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	31.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2405.333	45.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3748.840	43.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4802.200	48.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7996.160	46.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12542.240	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

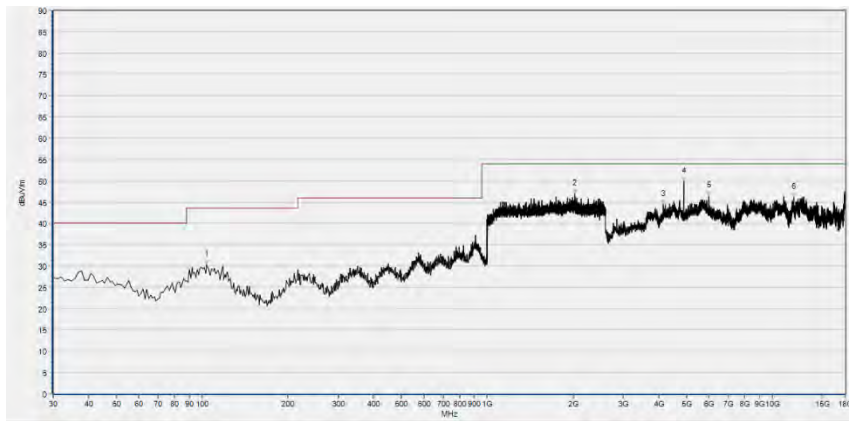
(Antenna Vertical, 30MHz to 18GHz)

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	30.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1955.733	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3721.120	44.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	47.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5643.040	46.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10226.080	45.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

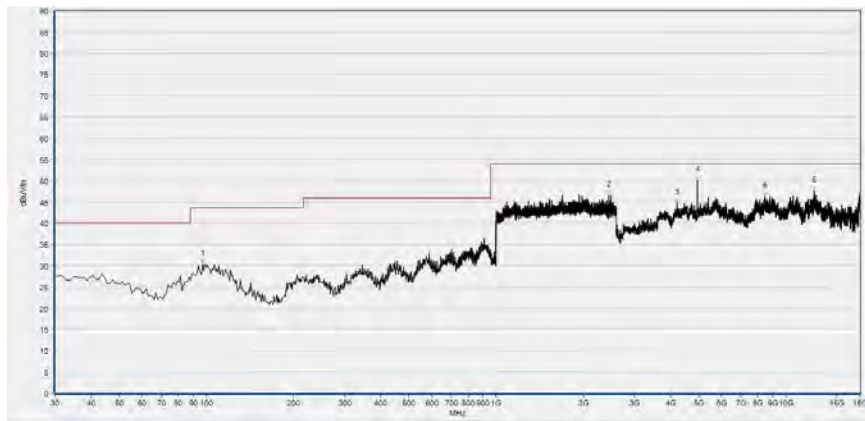
(Antenna Horizontal, 30MHz to 18GHz)



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	30.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2027.733	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4143.080	44.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	49.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5997.240	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11895.440	46.12	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
96.930	30.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2448.000	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4207.760	44.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	50.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8445.840	46.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12529.920	47.60	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
98.870	31.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2267.733	47.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3650.280	43.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	50.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8418.120	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12138.760	47.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

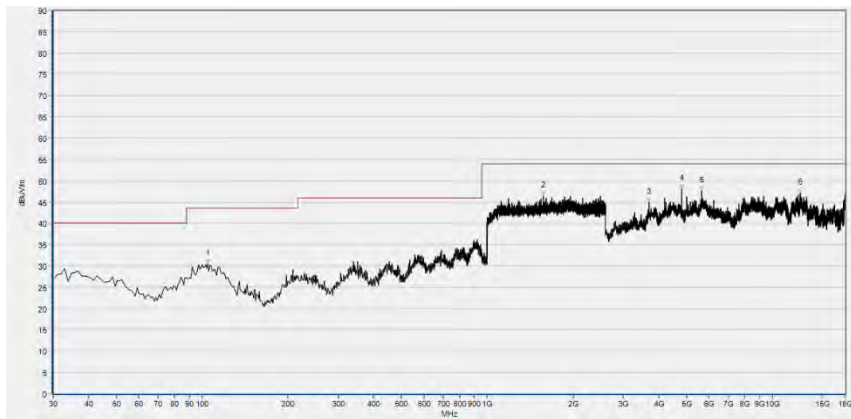
$\pi/4$ -DQPSK Mode

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
102.750	31.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2357.333	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4460.320	46.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5313.480	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10296.920	46.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12203.440	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

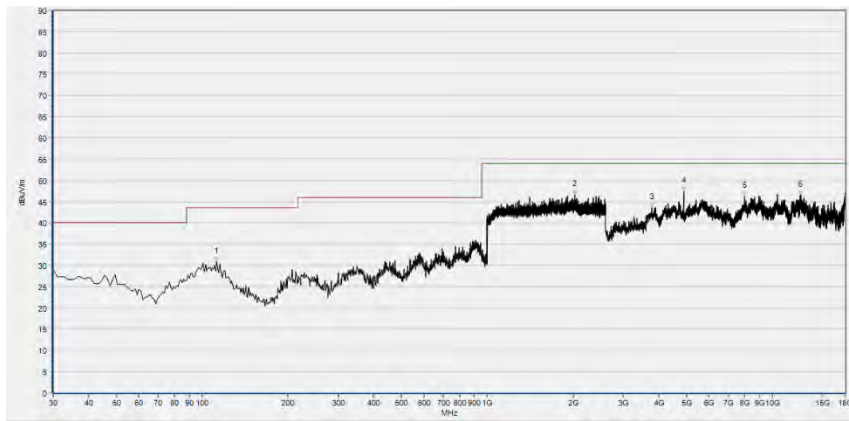
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	30.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1569.600	46.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3696.480	44.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4805.280	48.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5661.520	47.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12542.240	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

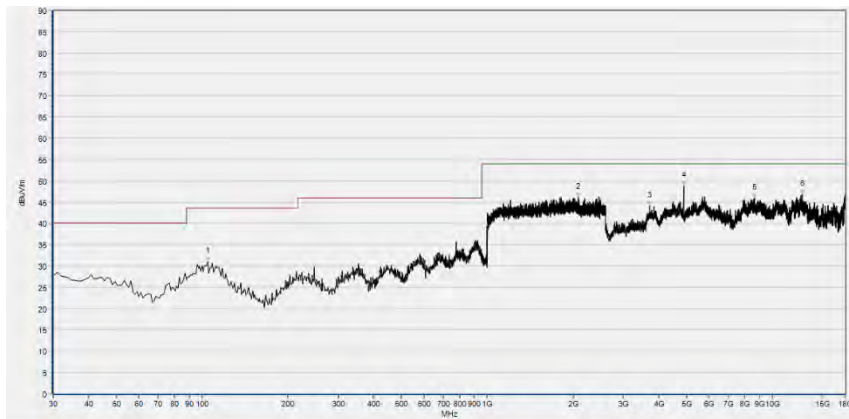
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	30.91	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2028.800	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3770.400	43.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7996.160	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12483.720	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
104.690	30.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2084.800	46.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3714.960	44.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4882.280	48.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8639.880	45.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12736.280	46.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

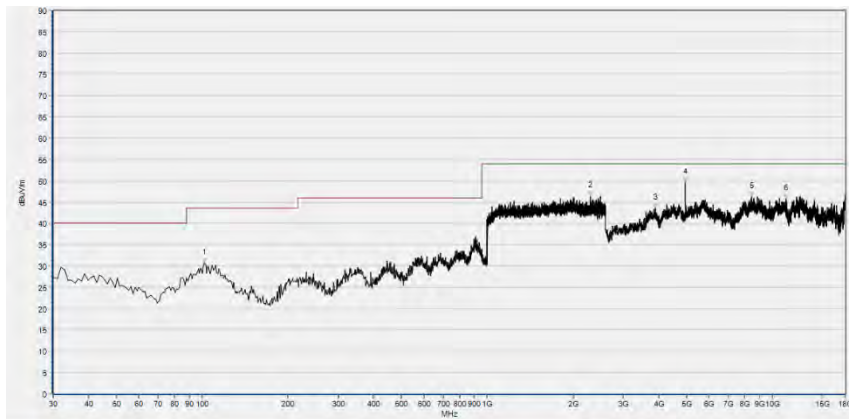
(Antenna Vertical, 30MHz to 18GHz)

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
98.870	30.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2042.667	46.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3724.200	43.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	45.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6185.120	45.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12588.440	47.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



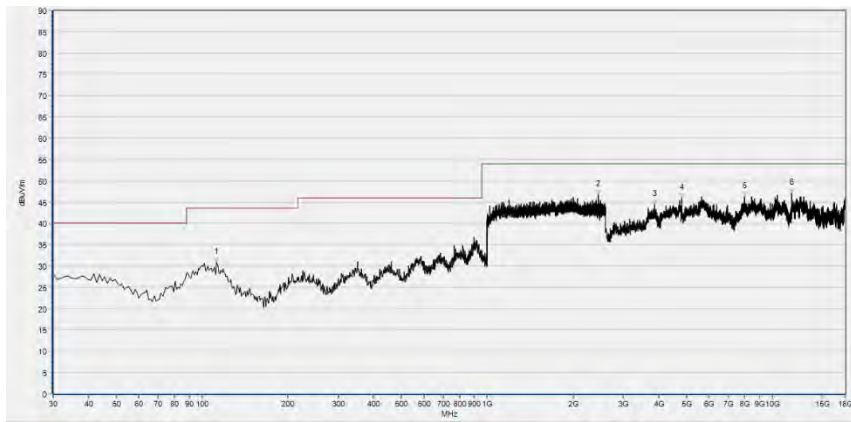
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	30.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2302.933	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3878.200	43.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	49.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8452.000	46.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11125.440	45.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



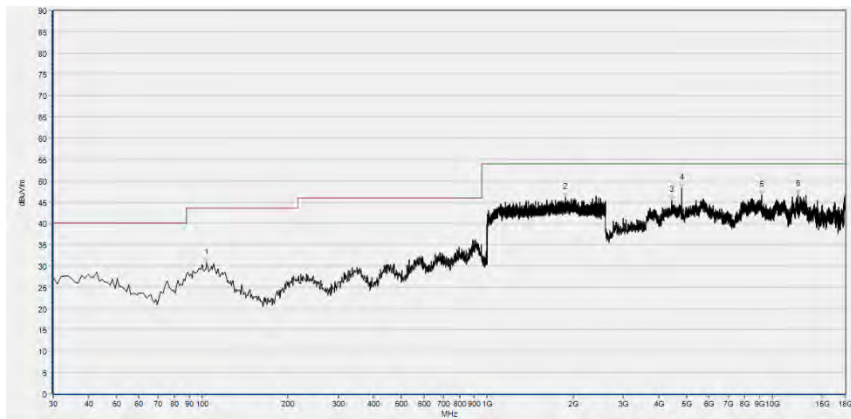
8-DPSK Mode

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
112.450	30.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2451.200	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3856.640	44.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4802.200	45.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8005.400	46.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11716.800	47.08	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	30.73	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1884.800	46.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4441.840	45.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4802.200	48.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9151.160	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12292.760	46.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

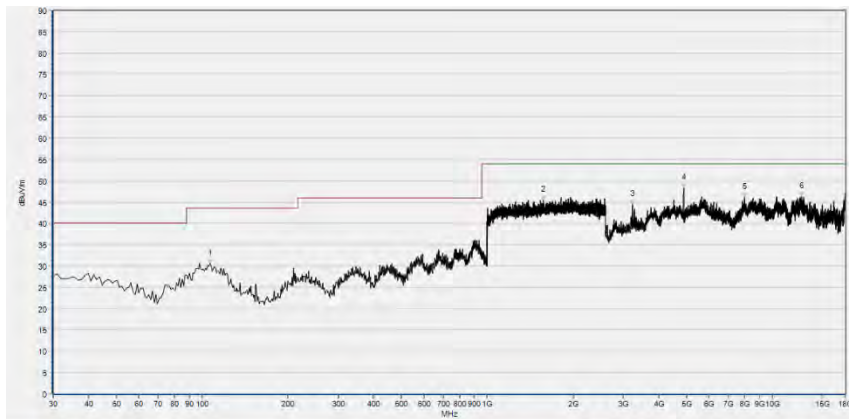
(Antenna Vertical, 30MHz to 18GHz)

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	30.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1908.267	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3767.320	43.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4882.280	46.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9040.280	46.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12576.120	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

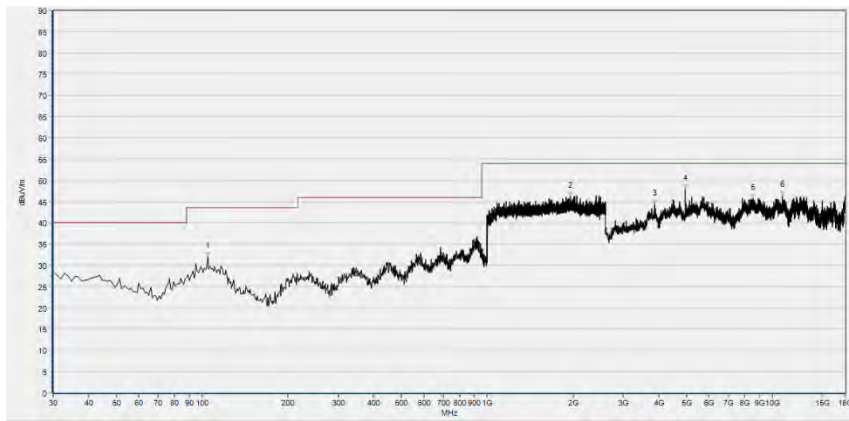
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	30.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1574.400	45.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3225.240	44.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4882.280	48.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7996.160	46.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12680.840	46.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

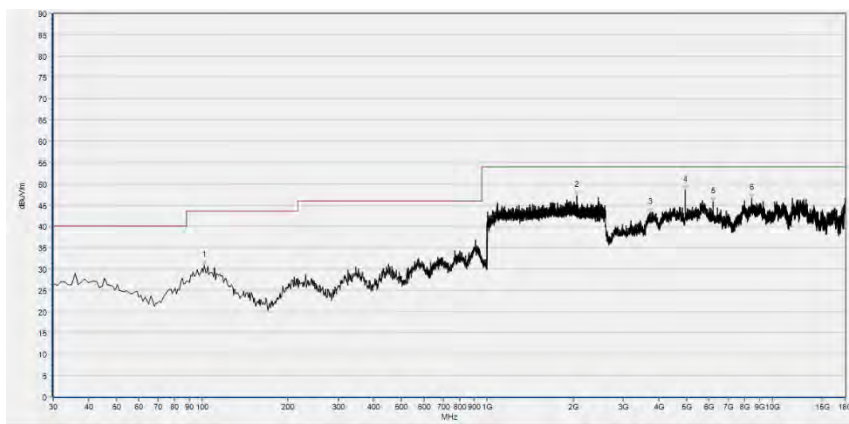
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	31.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1952.533	46.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3868.960	44.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	48.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8538.240	45.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10845.160	46.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



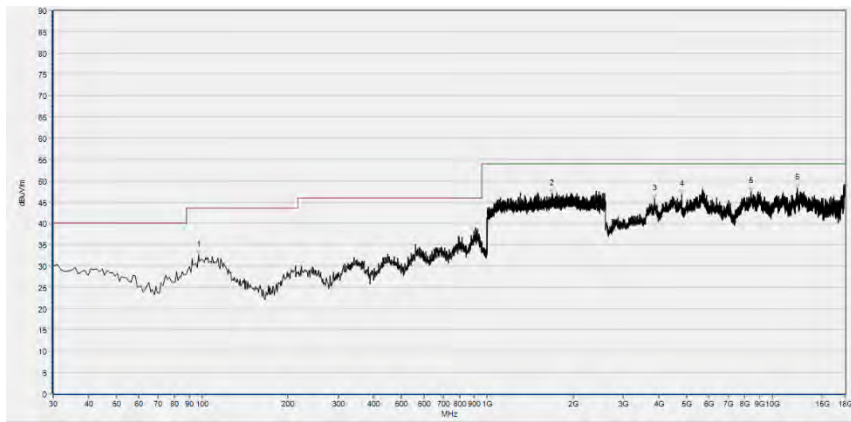
Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	30.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2059.200	47.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3727.280	43.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	48.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6191.280	45.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8448.920	46.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



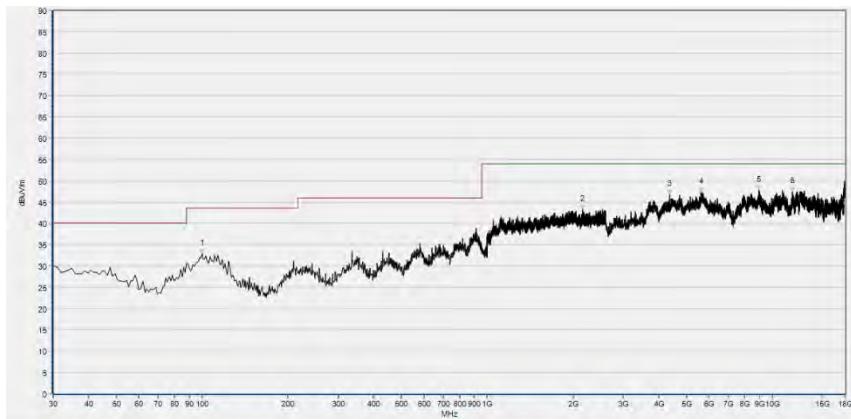
Module 3, GFSK Mode

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
96.930	32.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1686.933	46.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3868.960	45.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4802.200	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8399.640	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12200.360	48.22	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	32.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2161.600	43.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4349.440	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5612.240	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8954.040	47.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11756.840	47.37	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
100.810	32.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1877.333	48.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3690.320	44.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5680.000	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8482.800	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12120.280	48.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

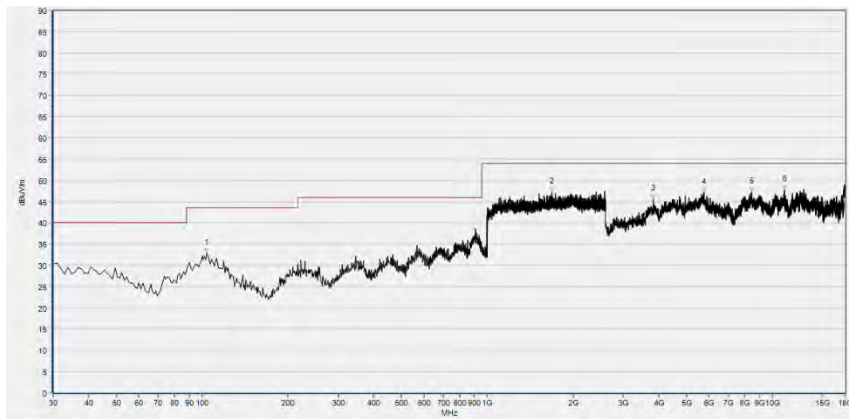
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	32.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2448.533	47.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3644.120	44.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5673.840	47.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8445.840	47.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12197.280	48.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

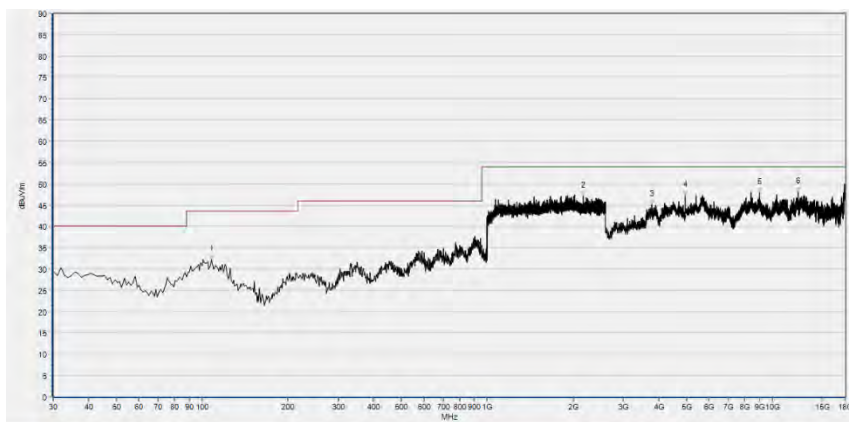
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	32.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1683.200	47.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3828.920	45.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5735.440	47.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8436.600	47.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11014.560	47.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

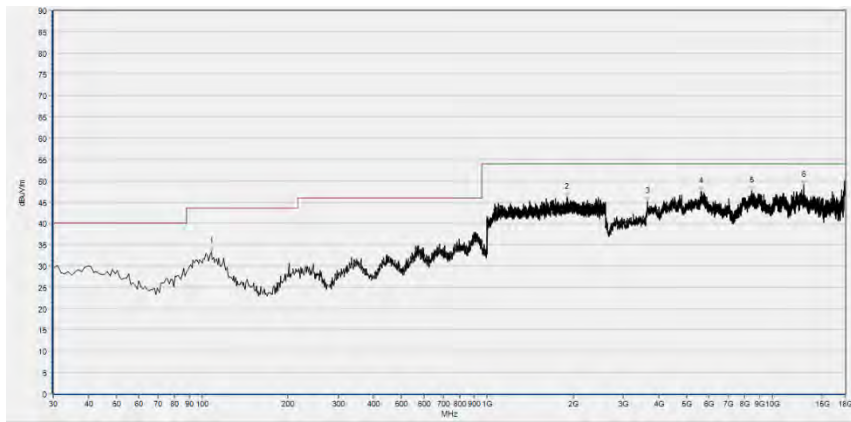


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.600	32.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2165.867	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3770.400	45.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9003.320	47.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12283.520	48.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

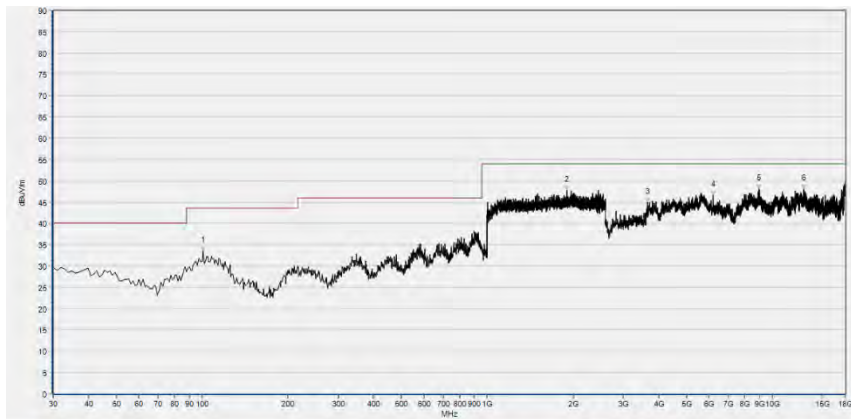
$\pi/4$ -DQPSK Mode

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
107.600	33.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1905.600	46.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3637.960	45.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5618.400	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8442.760	47.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12893.360	49.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

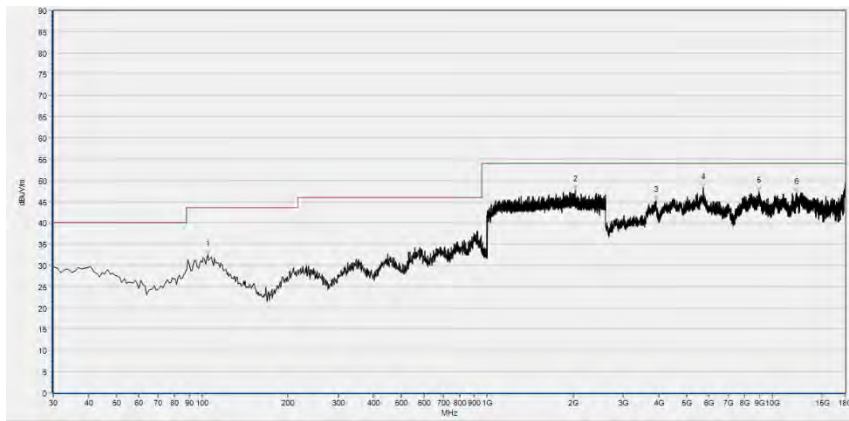
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	33.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1896.533	47.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3644.120	44.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6194.360	46.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8969.440	48.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12890.280	48.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

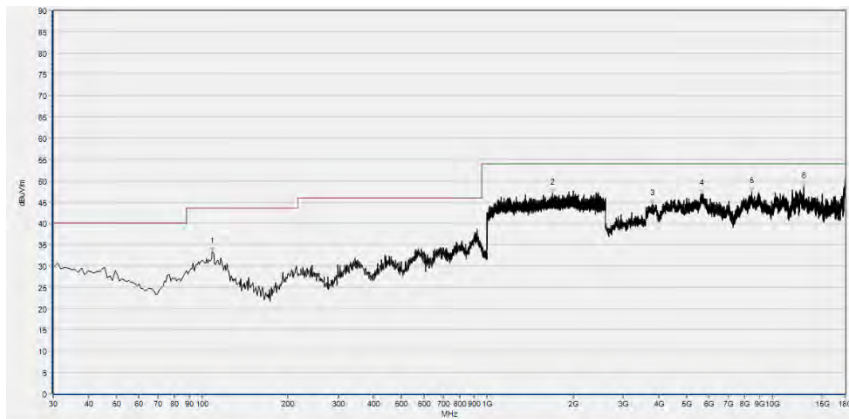
(Antenna Vertical, 30MHz to 18GHz)

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	32.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2032.533	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3909.000	45.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5729.280	48.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8941.720	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12160.320	47.10	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
108.570	33.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1691.733	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3795.040	44.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5655.360	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8464.320	47.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12914.920	48.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

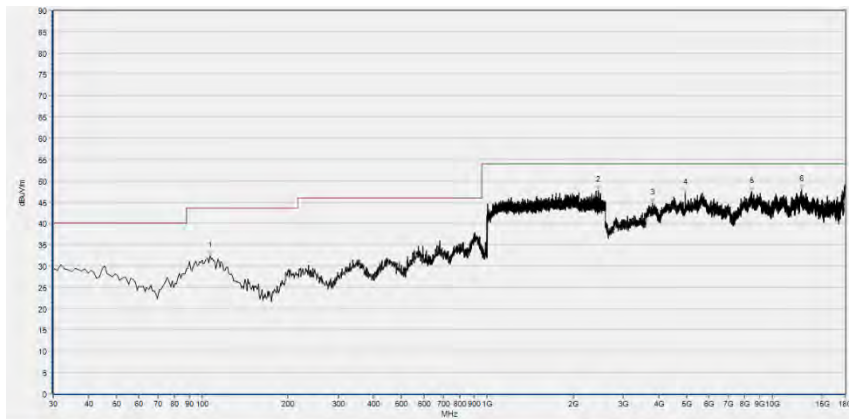
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	31.97	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1887.467	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3702.640	44.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	46.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8436.600	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12523.760	47.20	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
106.630	32.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2446.400	47.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3807.360	44.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	47.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8458.160	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12674.680	47.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



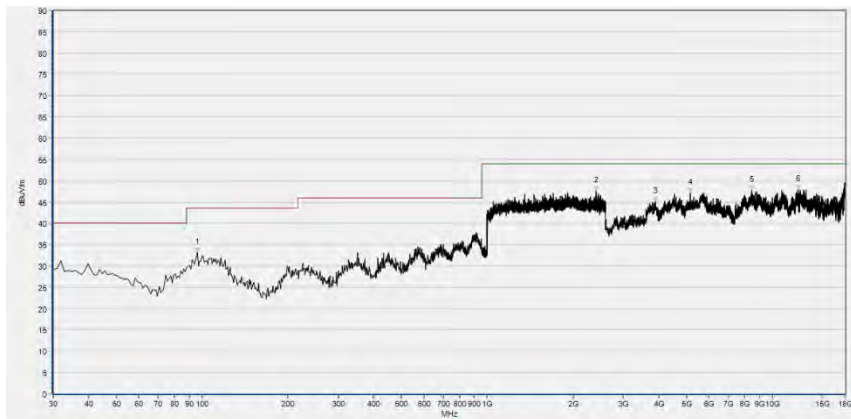
8-DPSK Mode

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
101.780	32.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1676.800	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3690.320	44.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5744.680	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8630.640	47.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10946.800	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

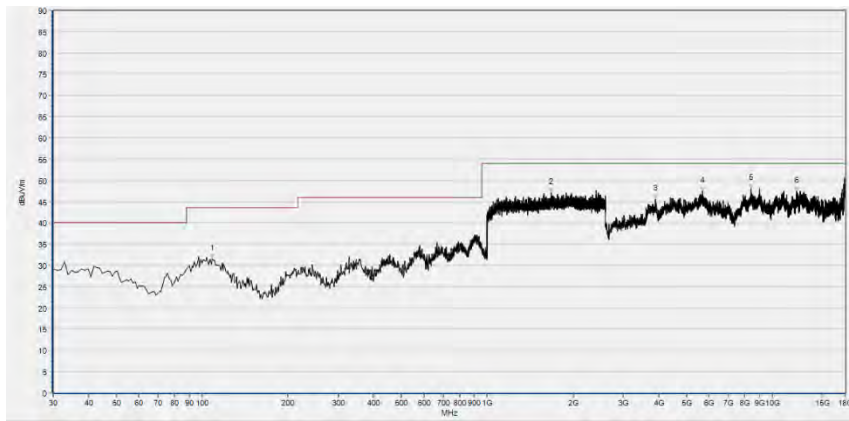
(Antenna Horizontal, 30MHz to 18GHz)



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
95.960	33.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2412.267	47.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3887.440	45.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5147.160	47.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8448.920	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12289.680	47.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

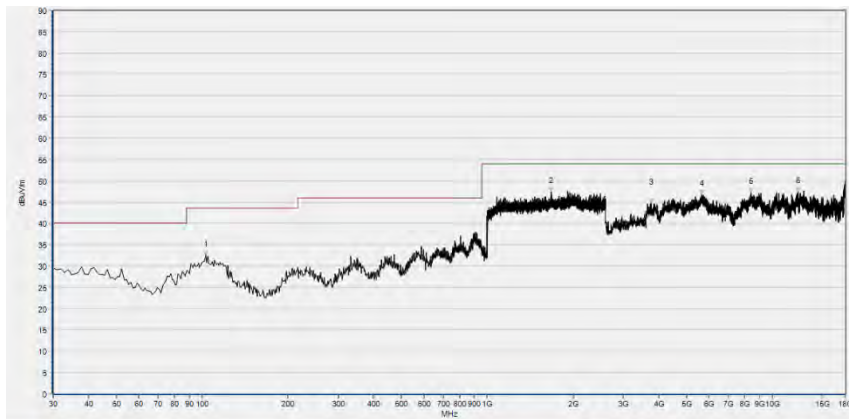
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1673.067	47.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3884.360	45.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5683.080	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8408.880	48.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12194.200	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

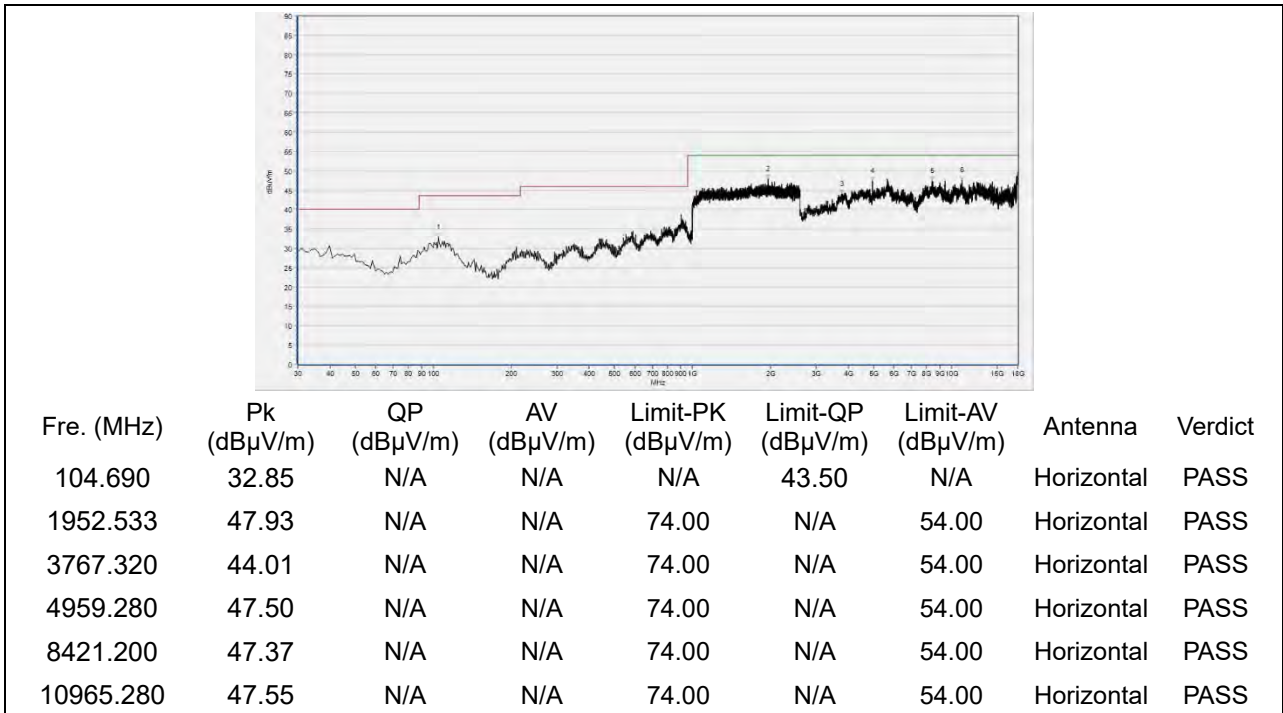
(Antenna Horizontal, 30MHz to 18GHz)



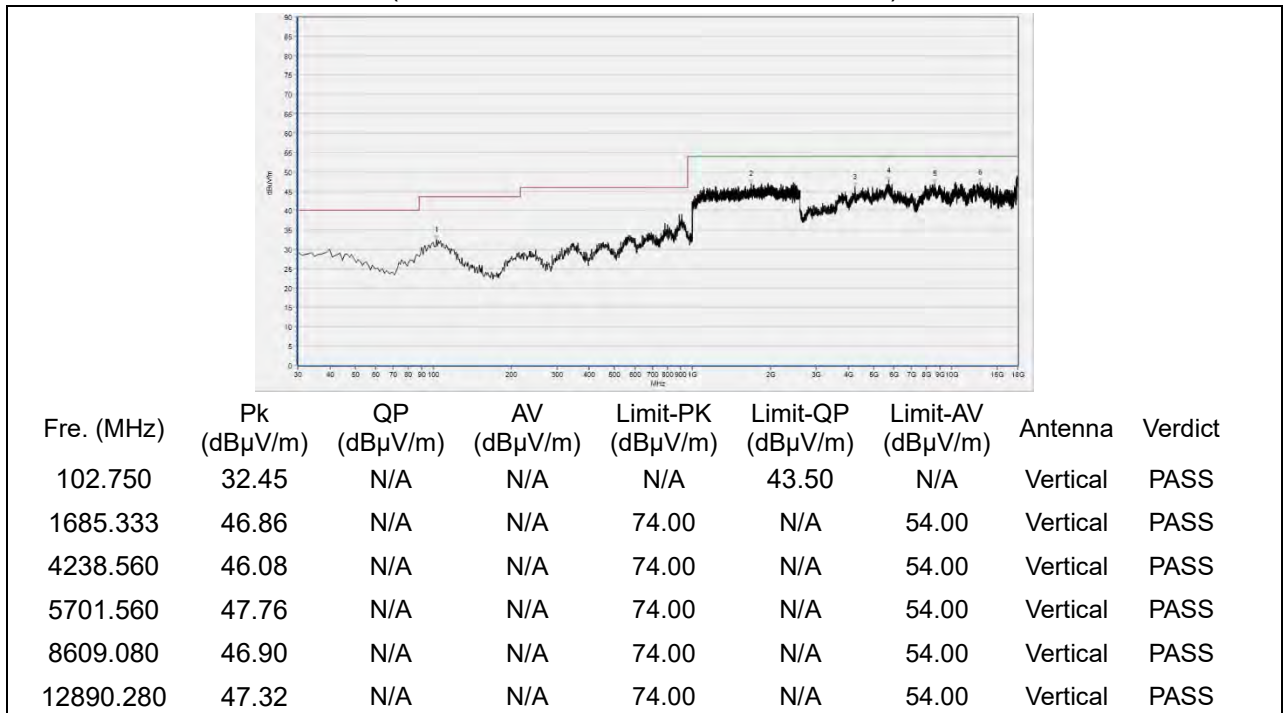
Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
102.750	32.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1671.467	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3764.240	44.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8421.200	47.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12305.080	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 78



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT