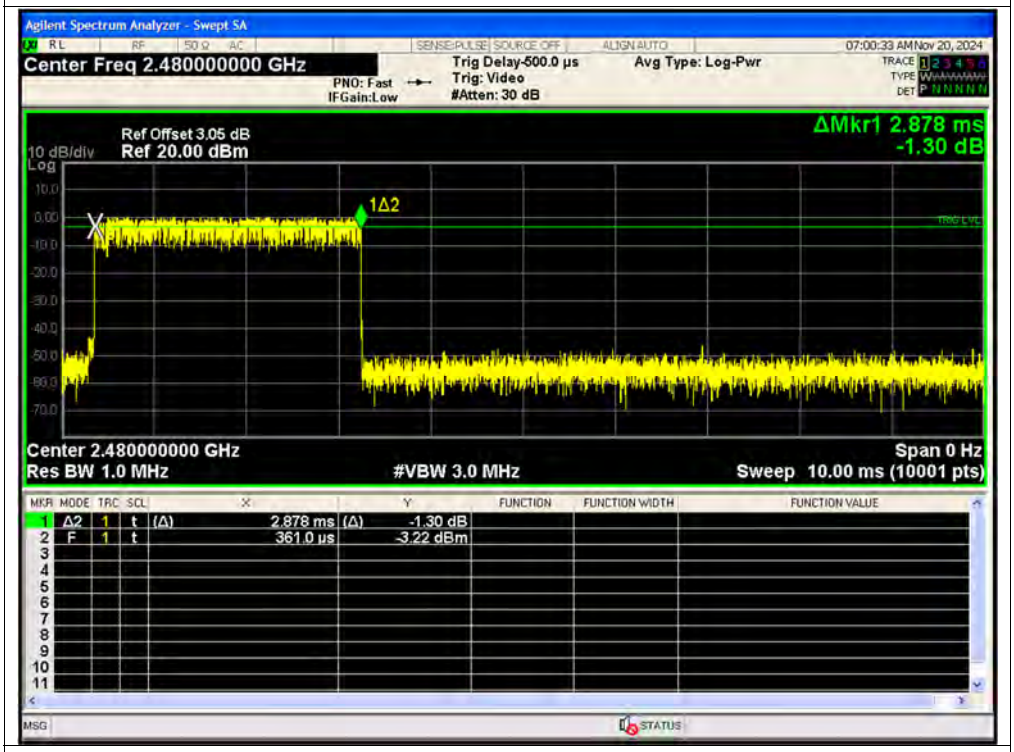
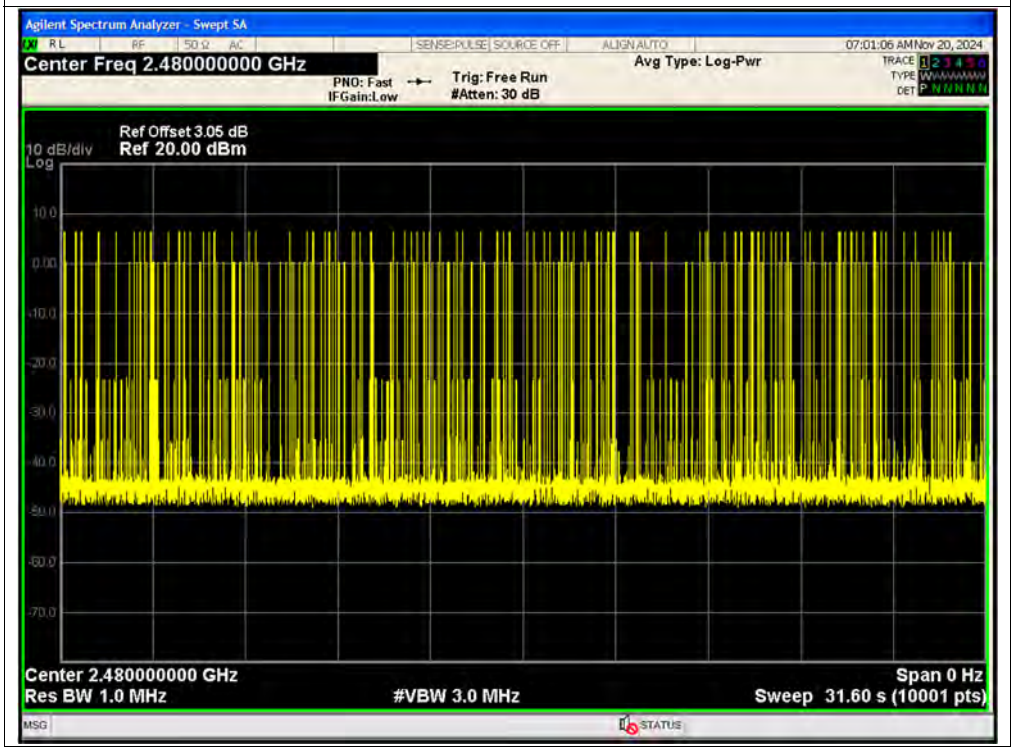
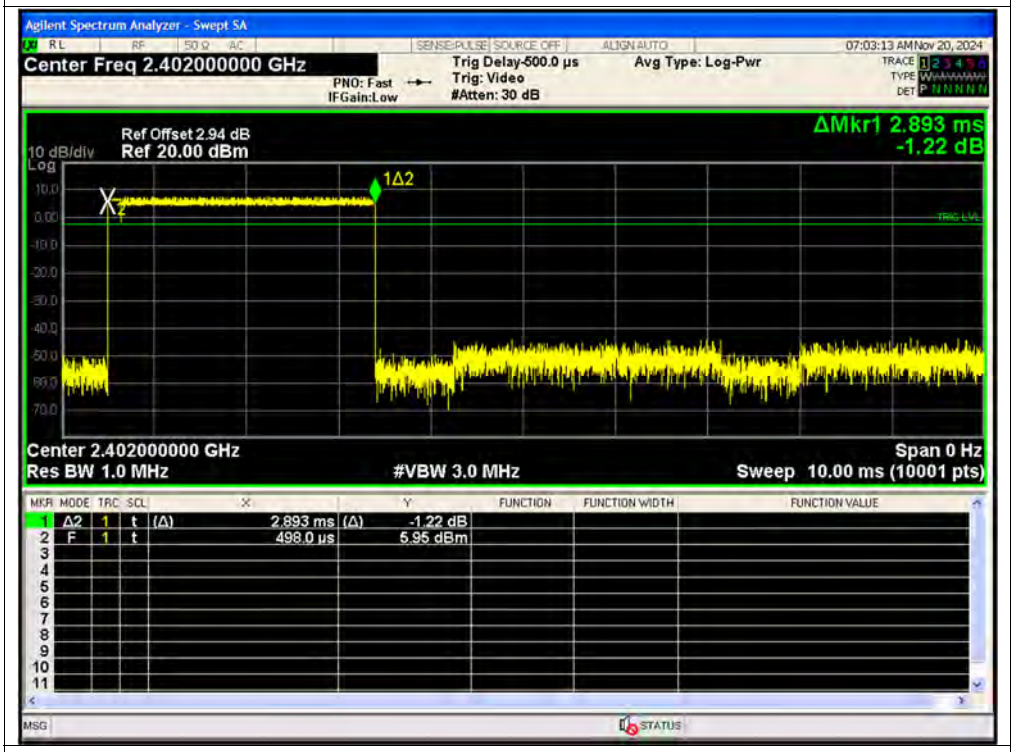
Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



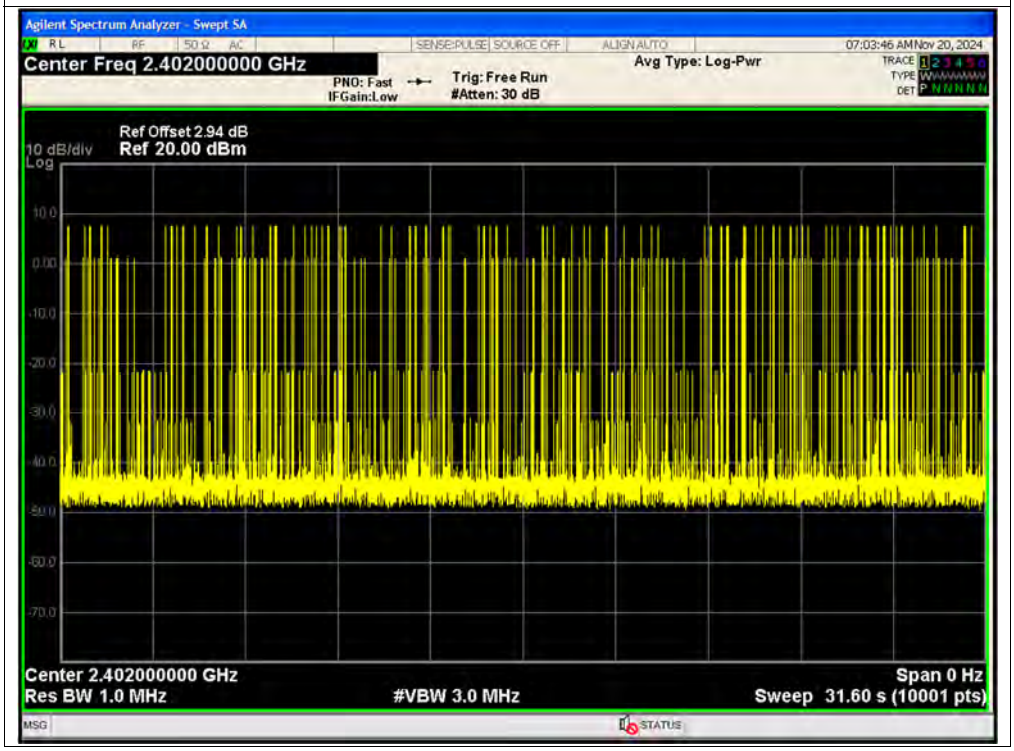
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



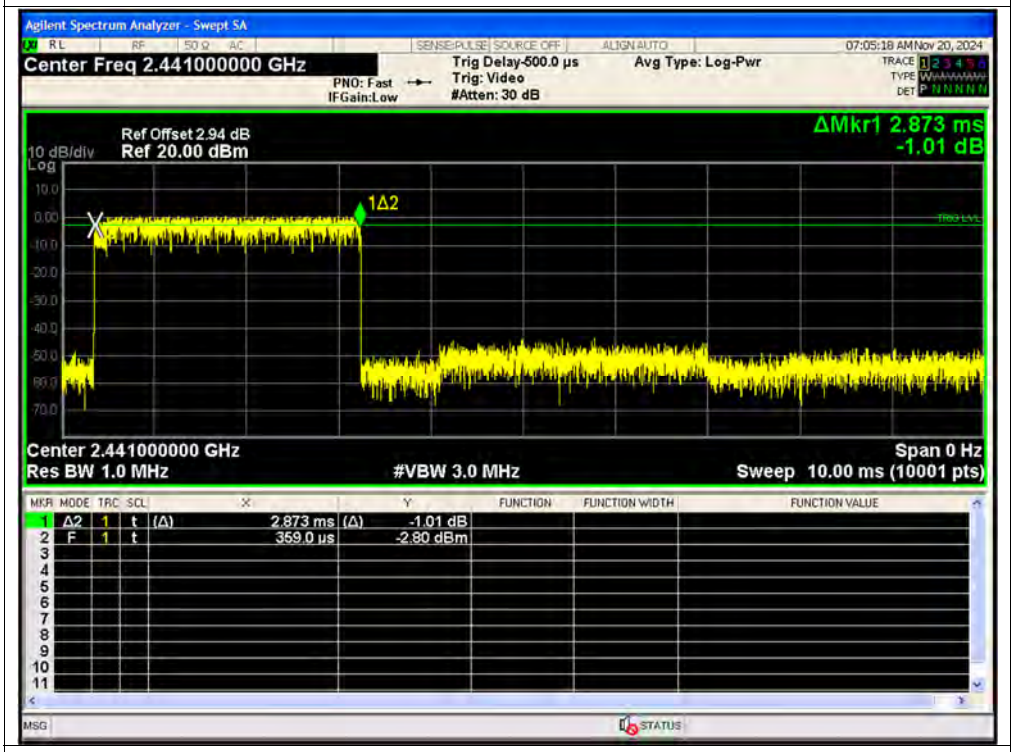
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



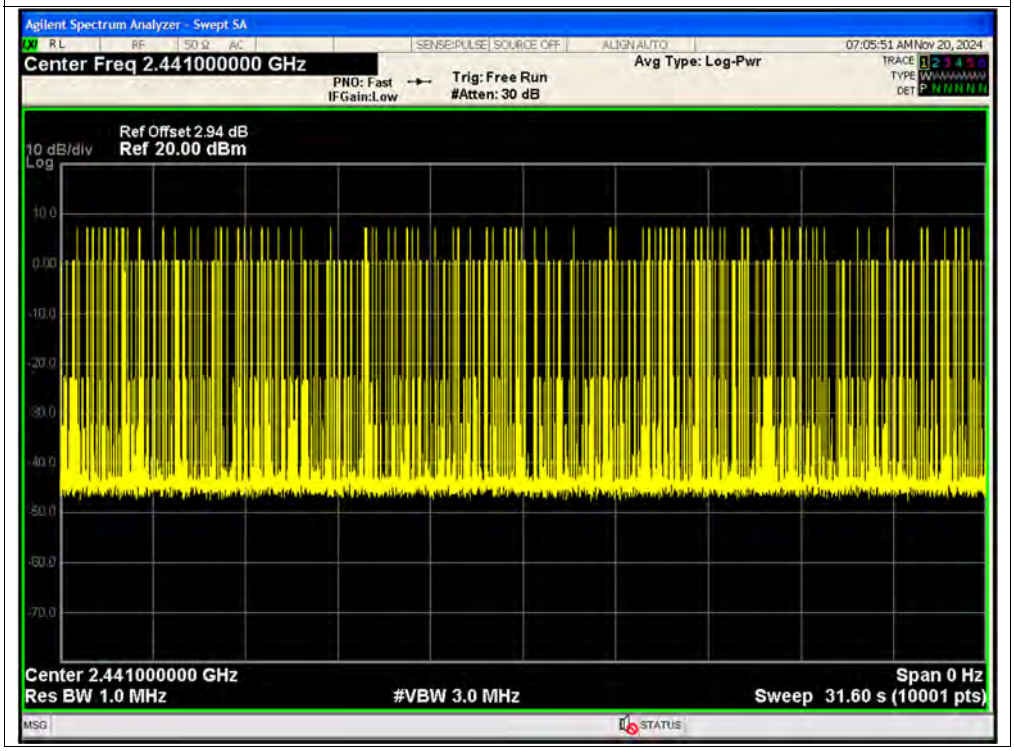
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



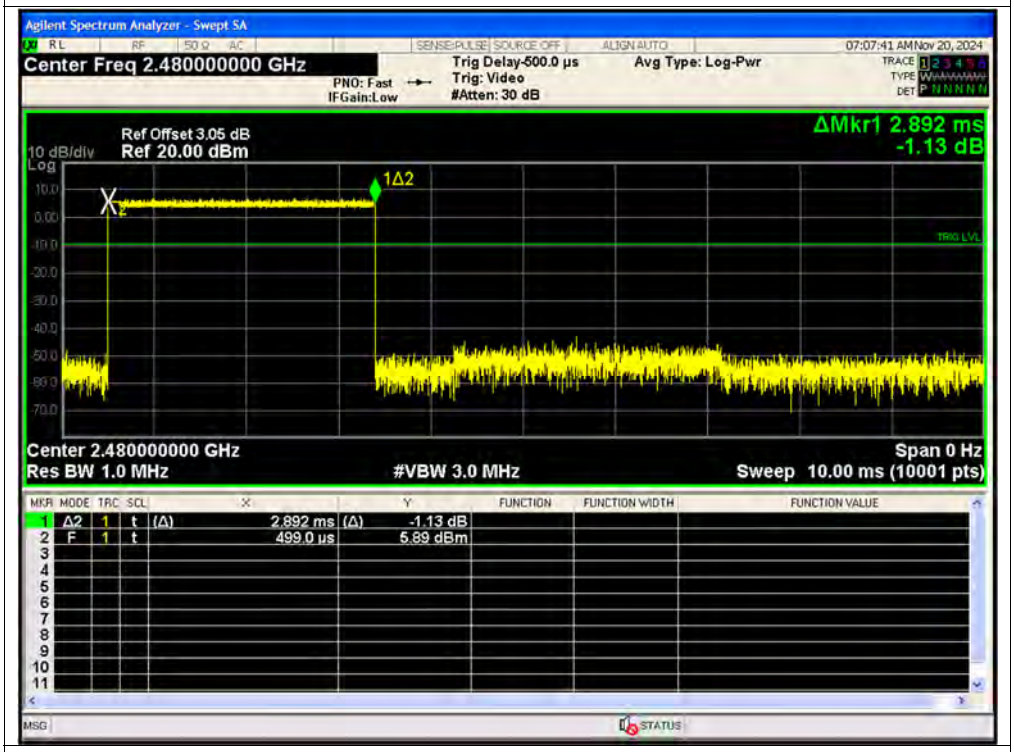
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



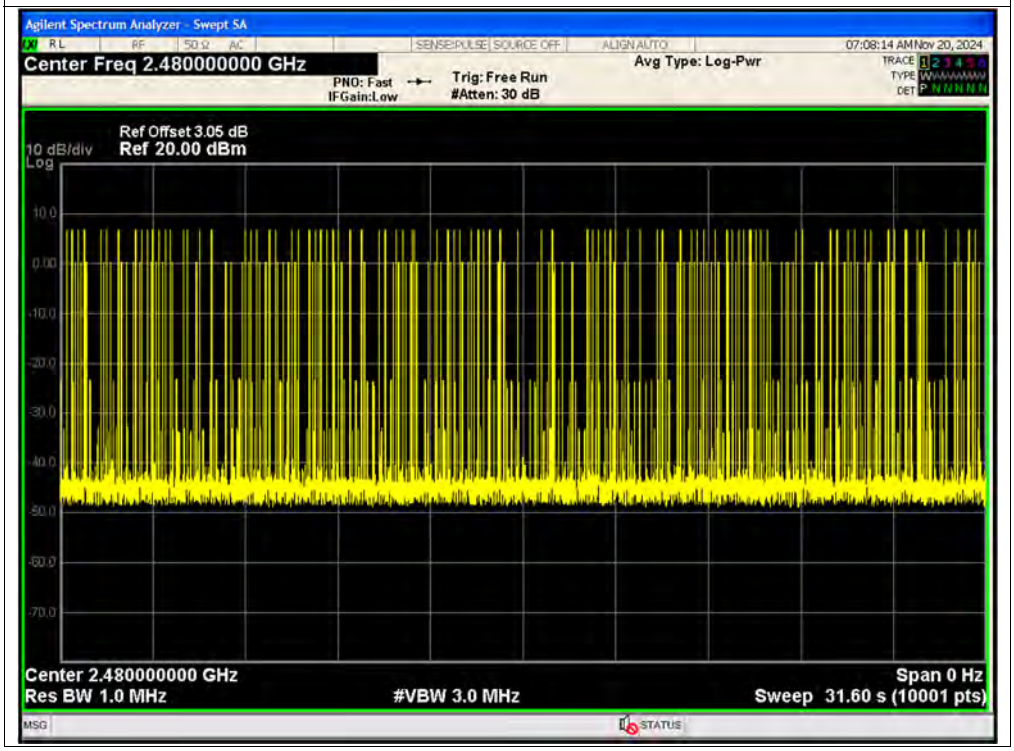
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



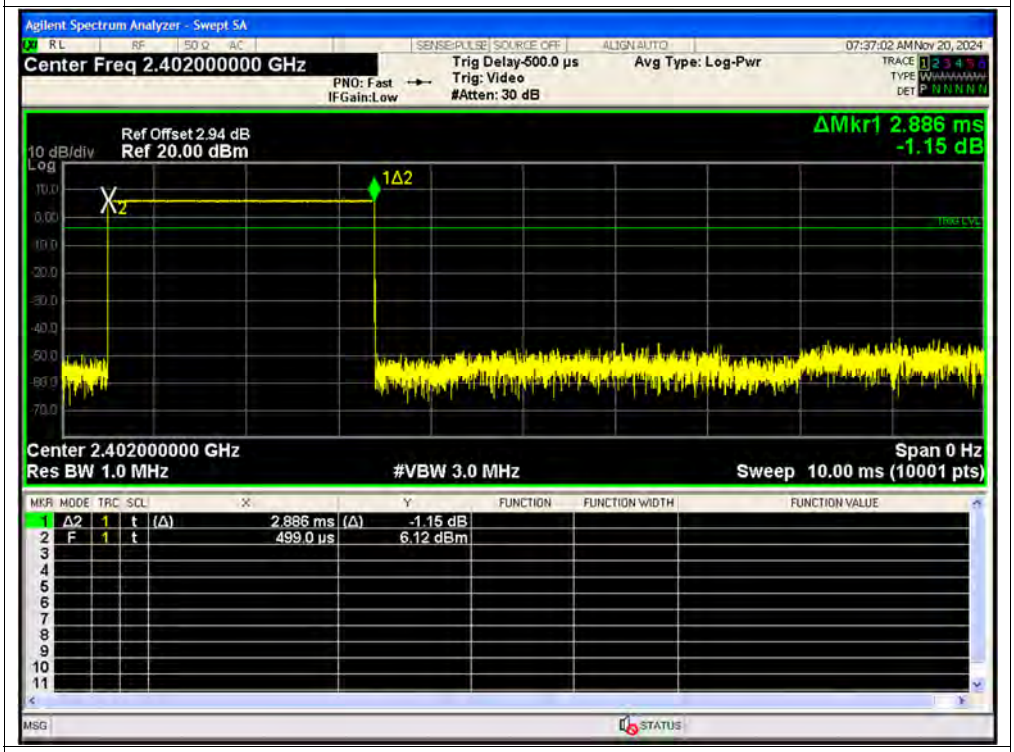
Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



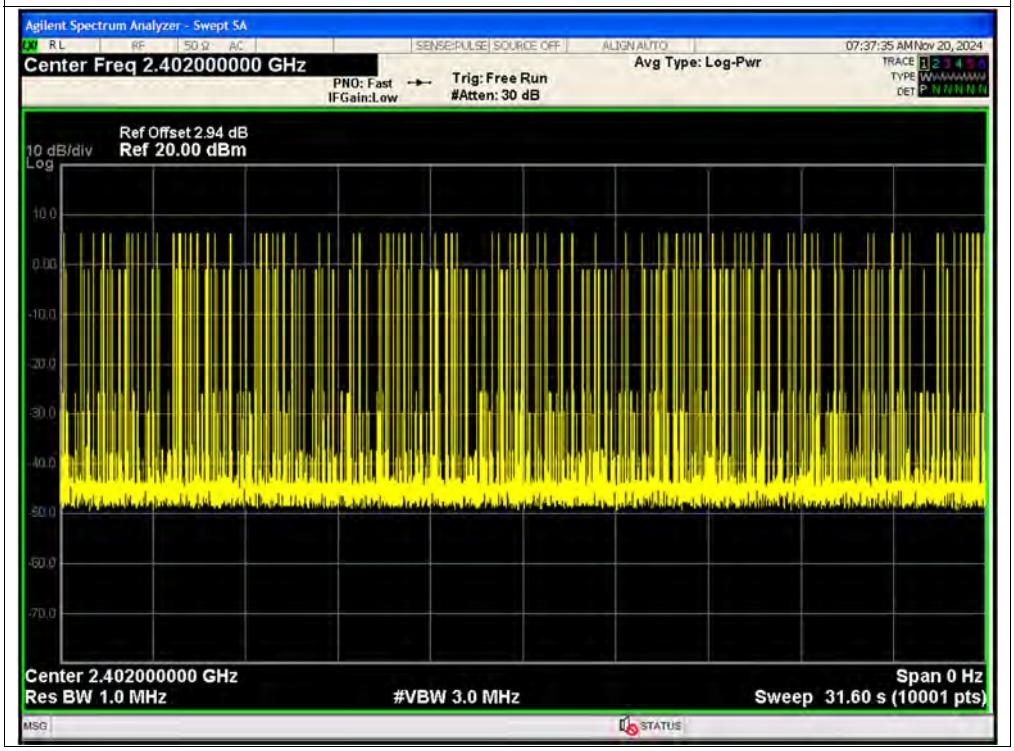
Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated



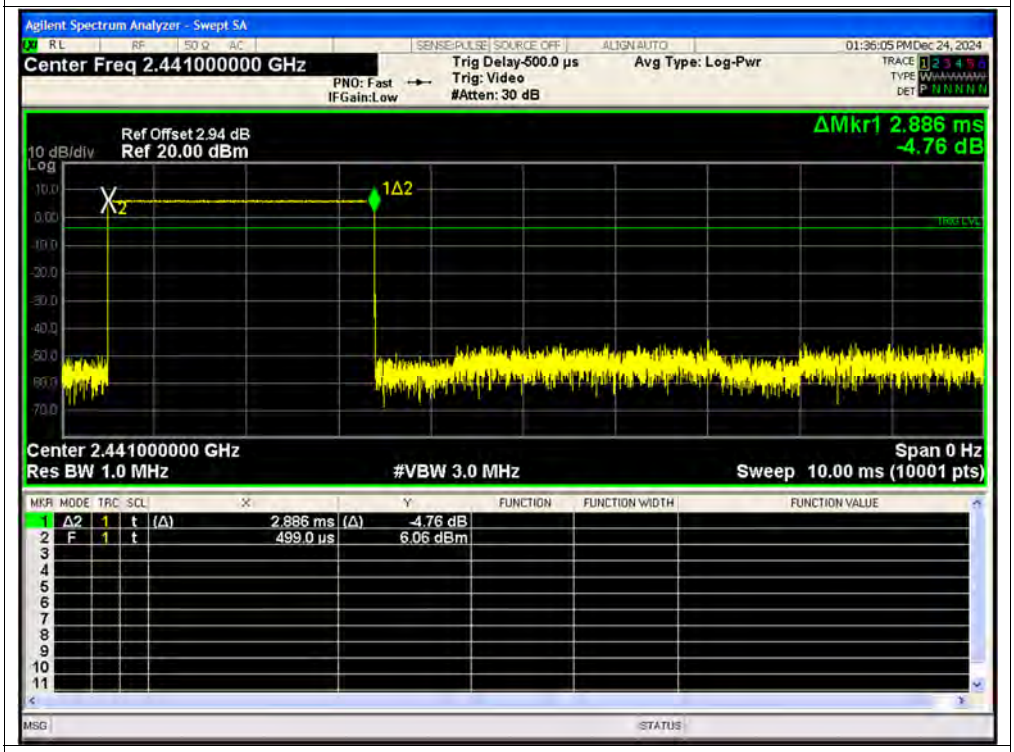
Right
Test Graphs
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



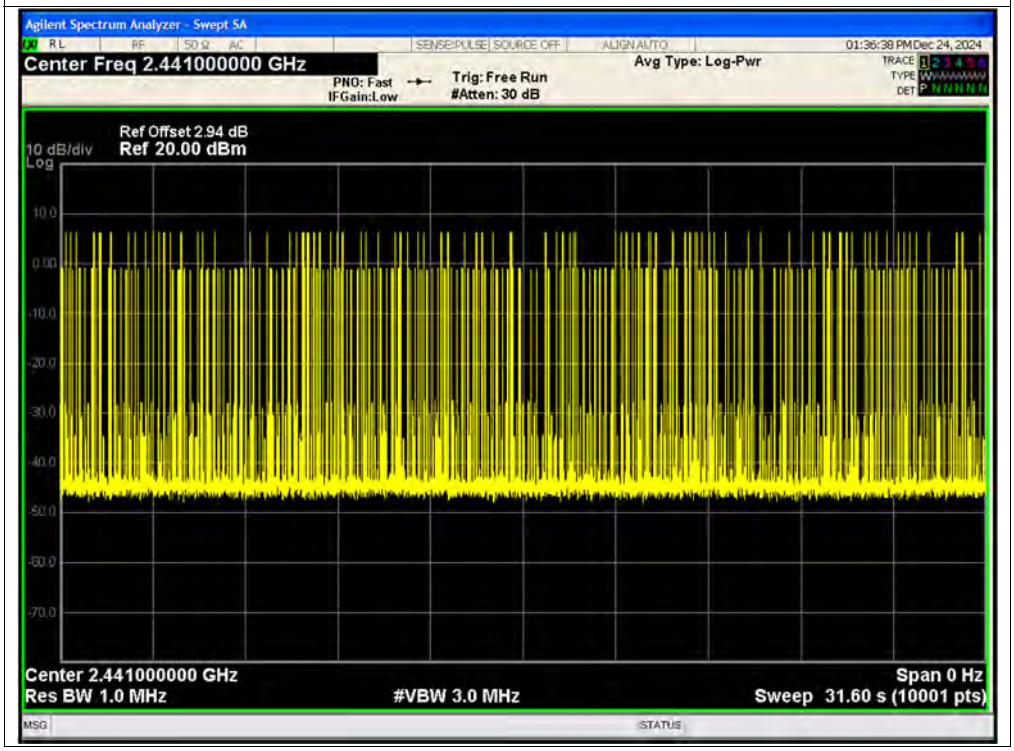
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



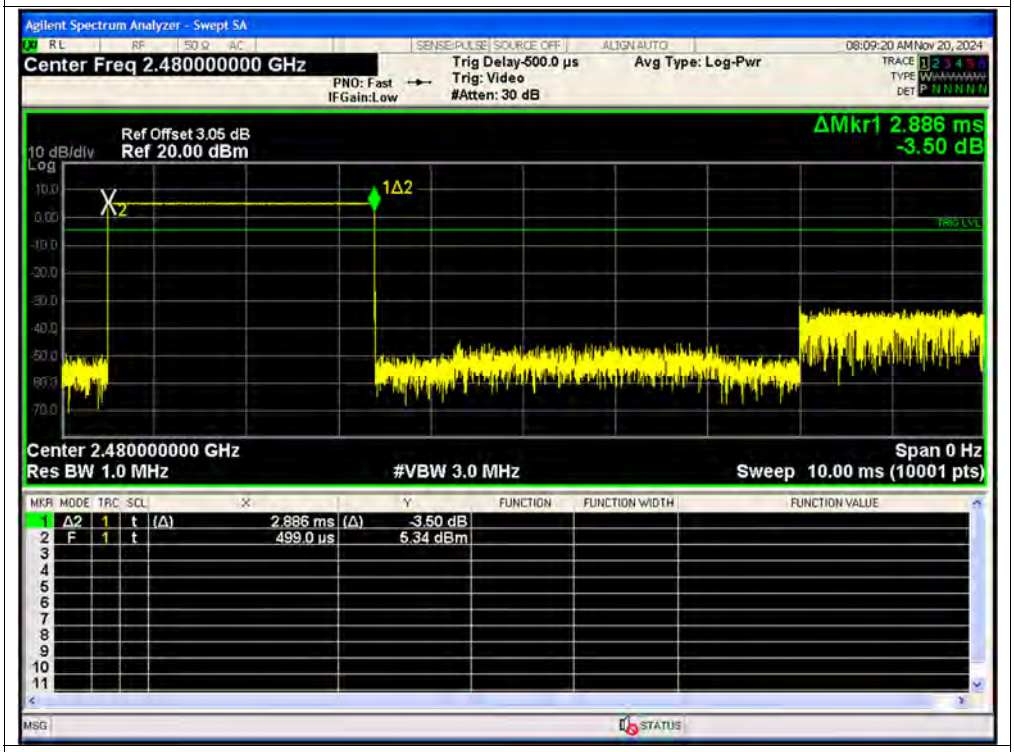
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



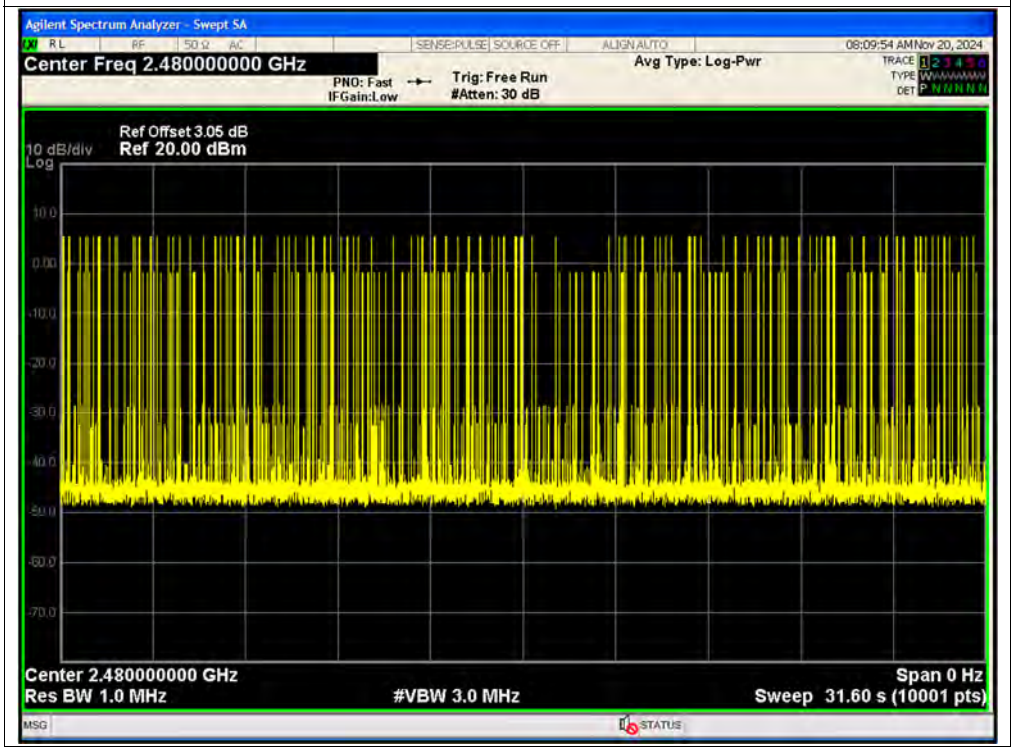
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



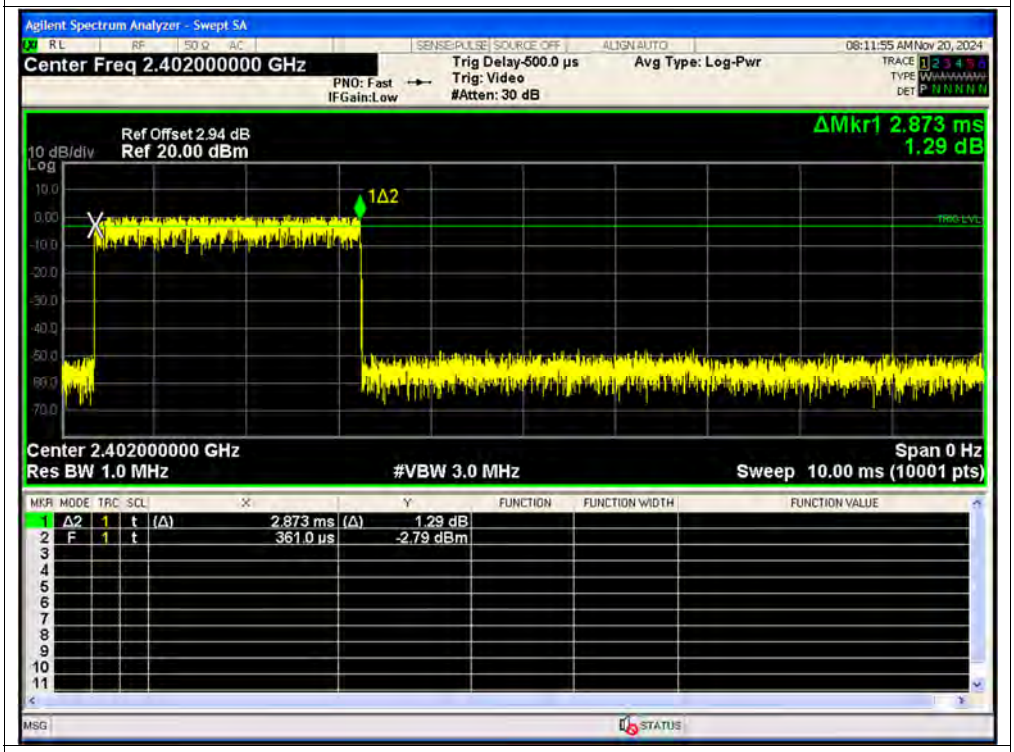
Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



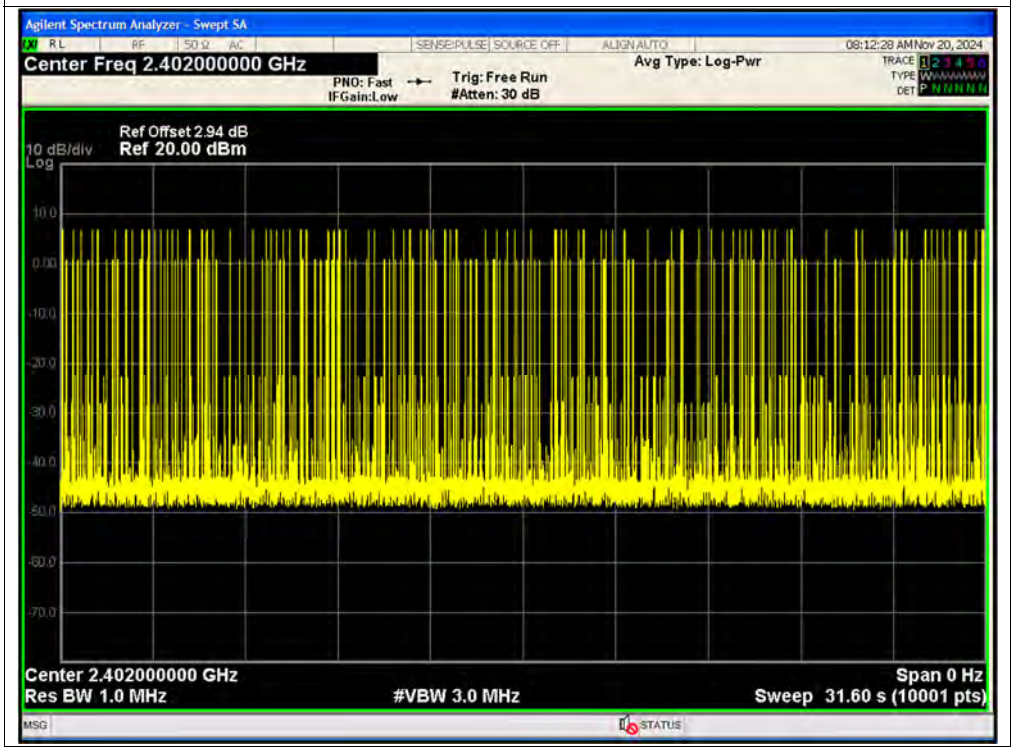
Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



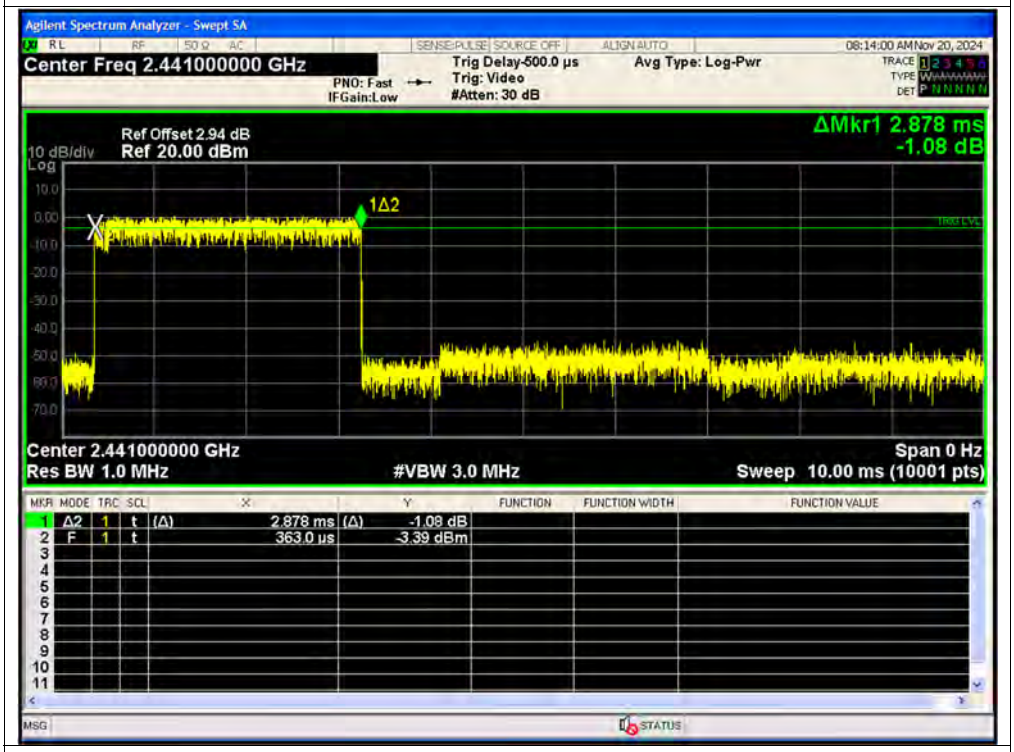
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



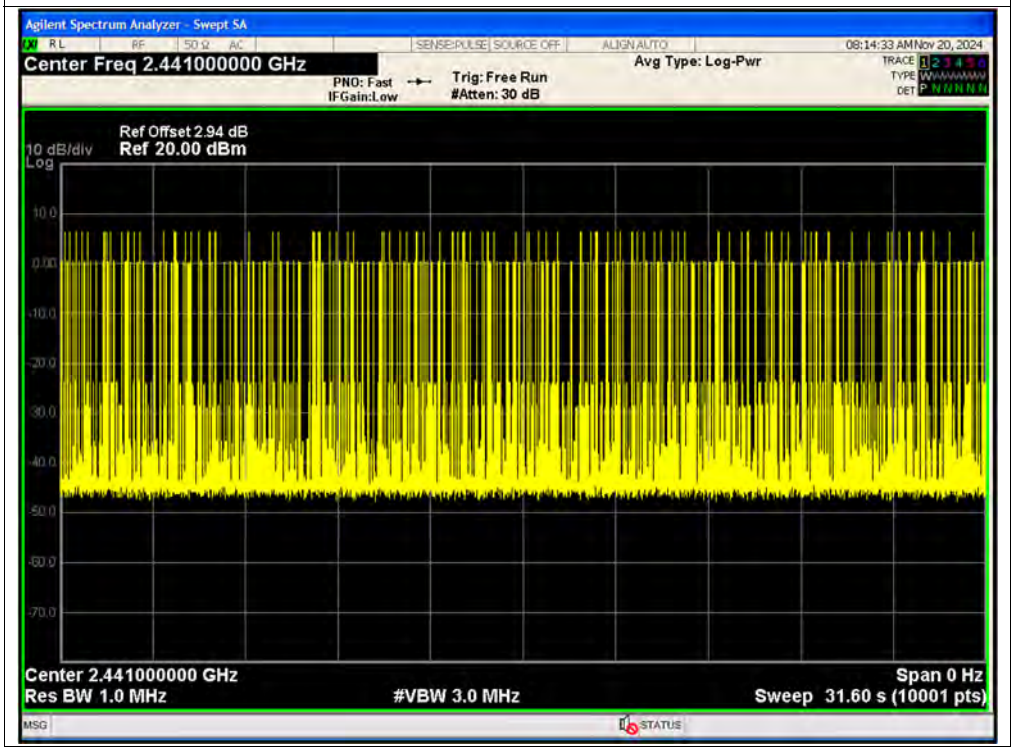
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



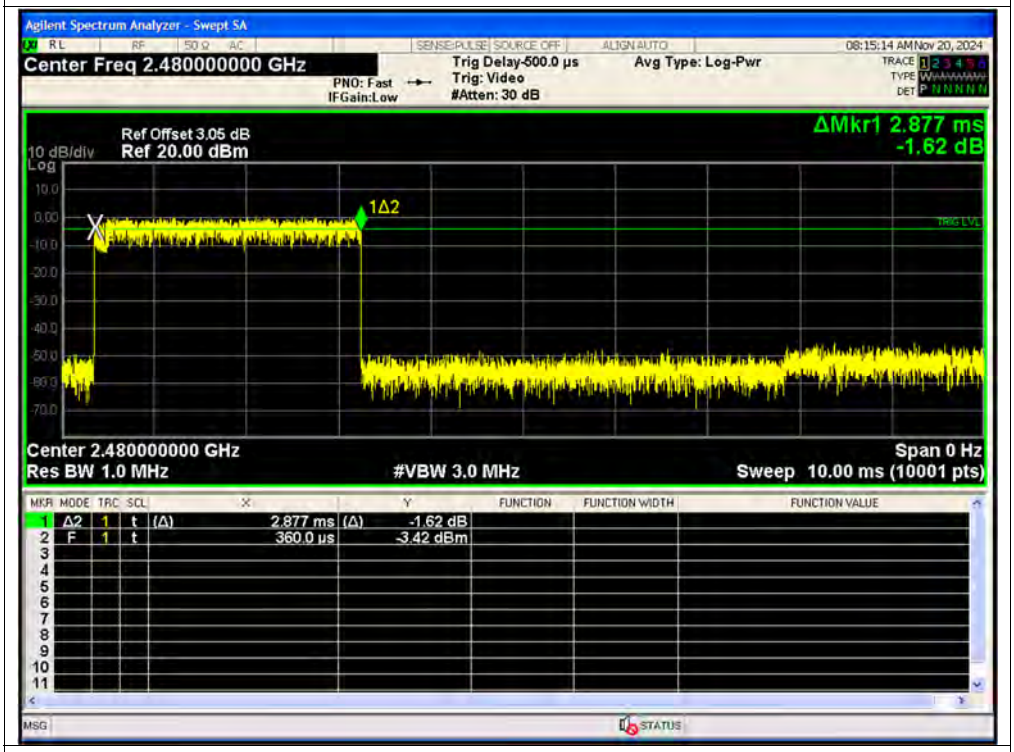
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



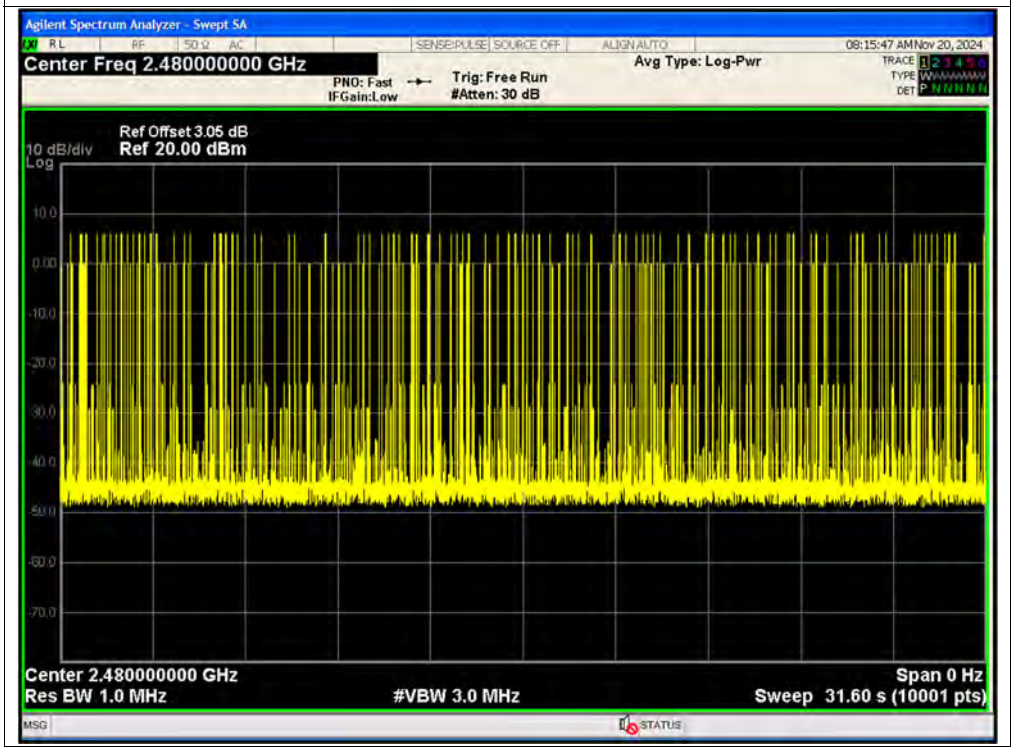
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



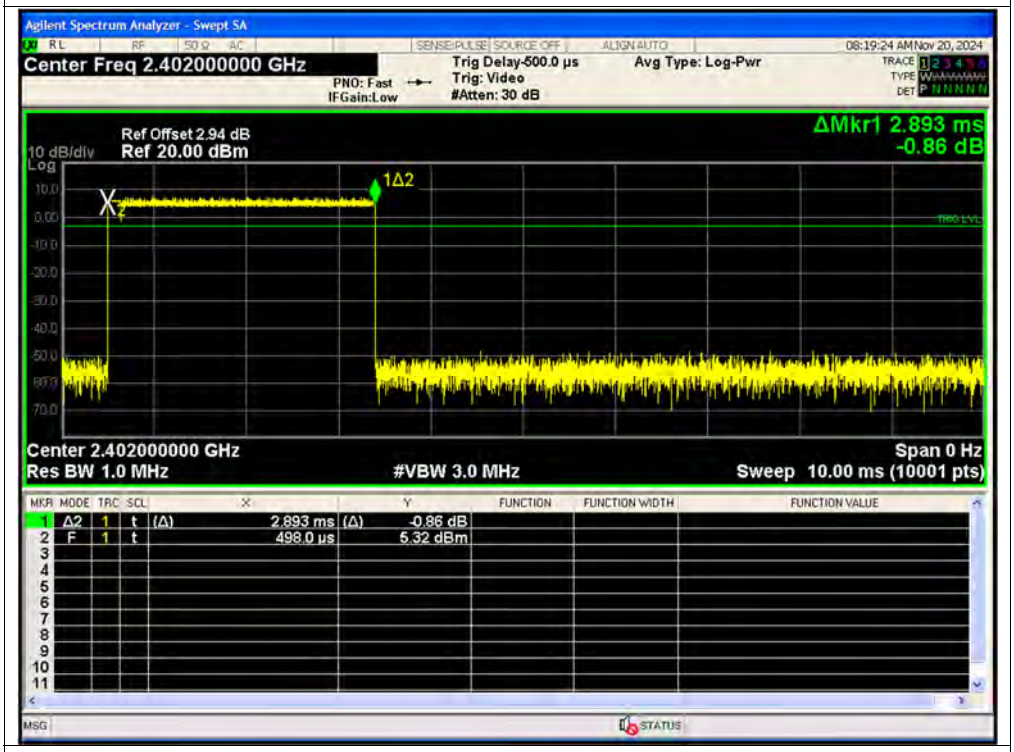
Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



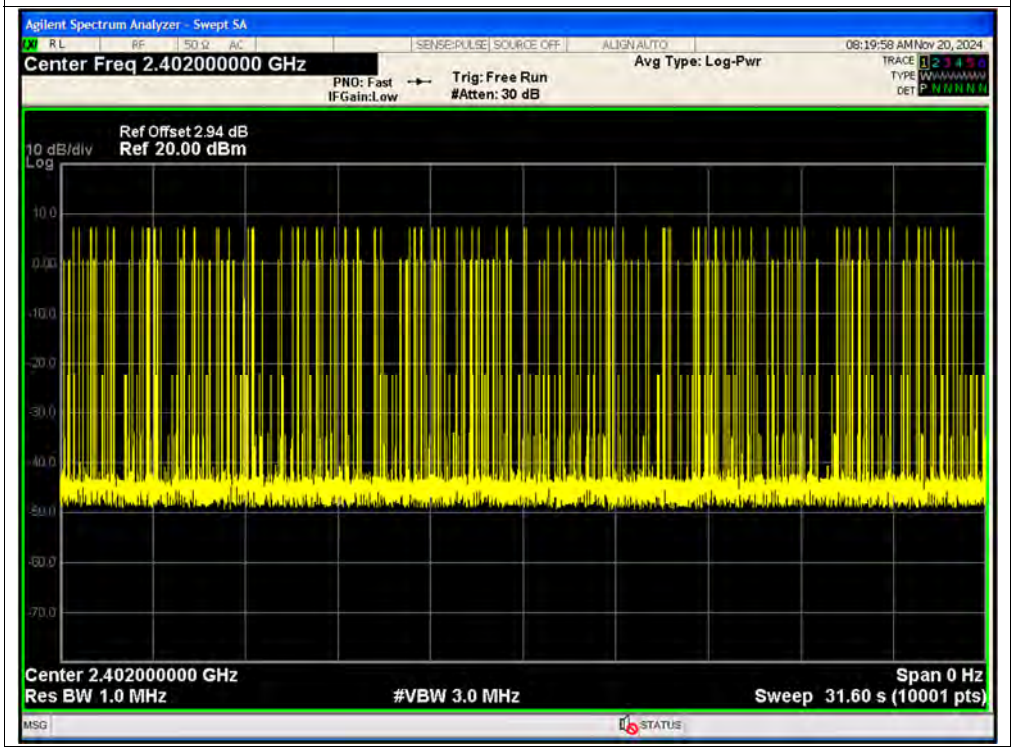
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



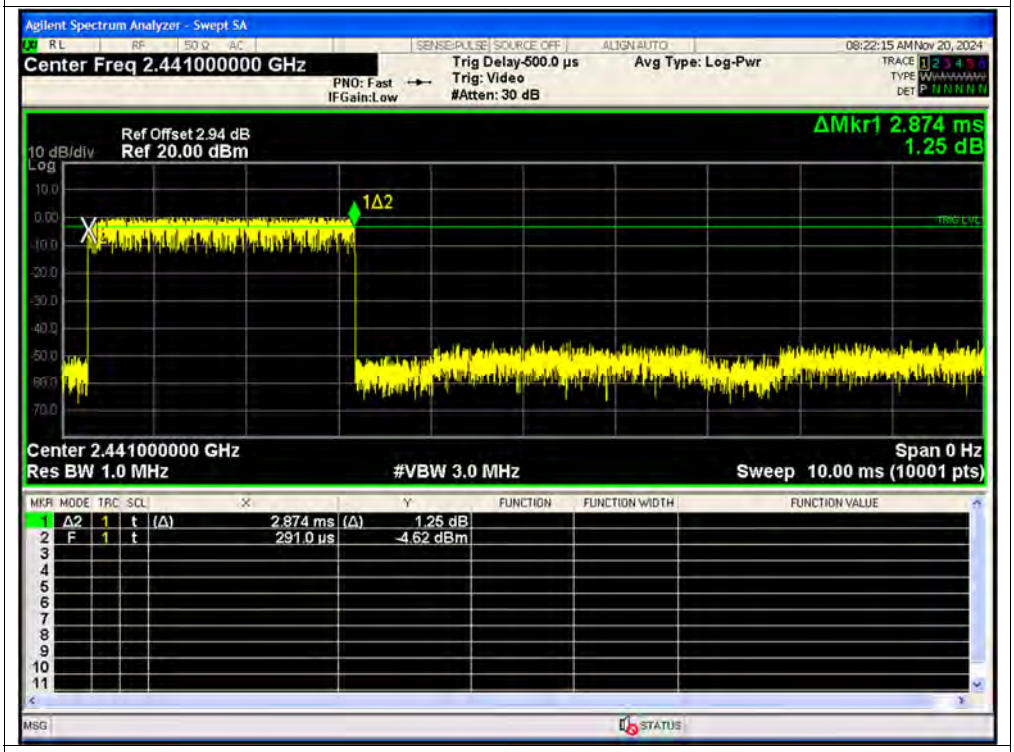
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



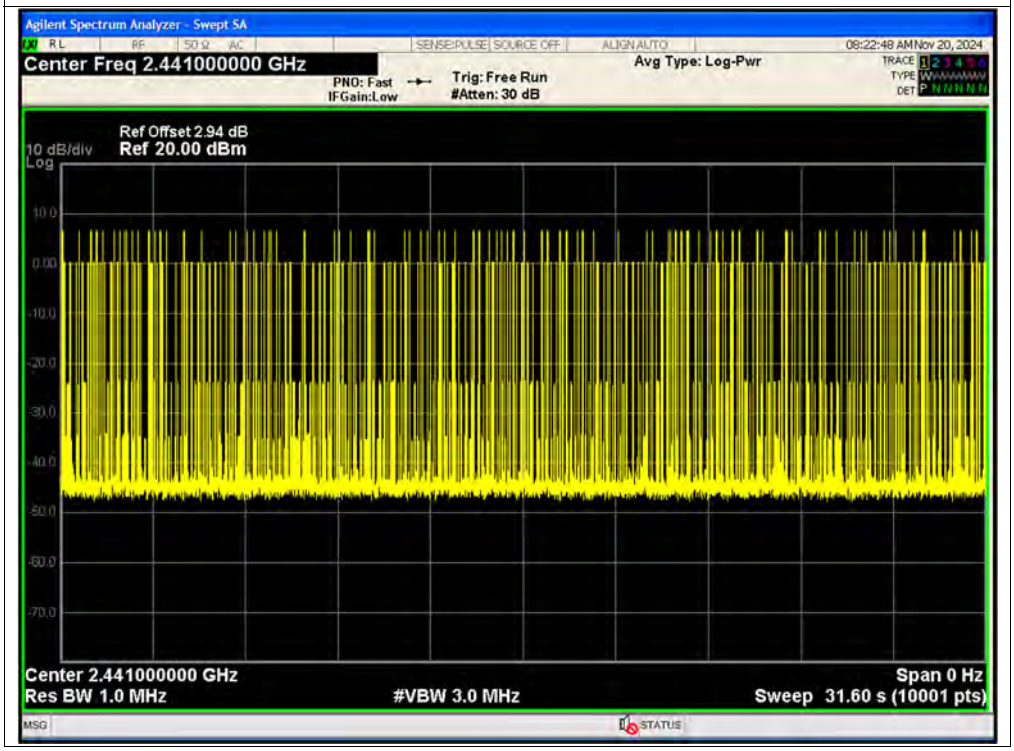
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



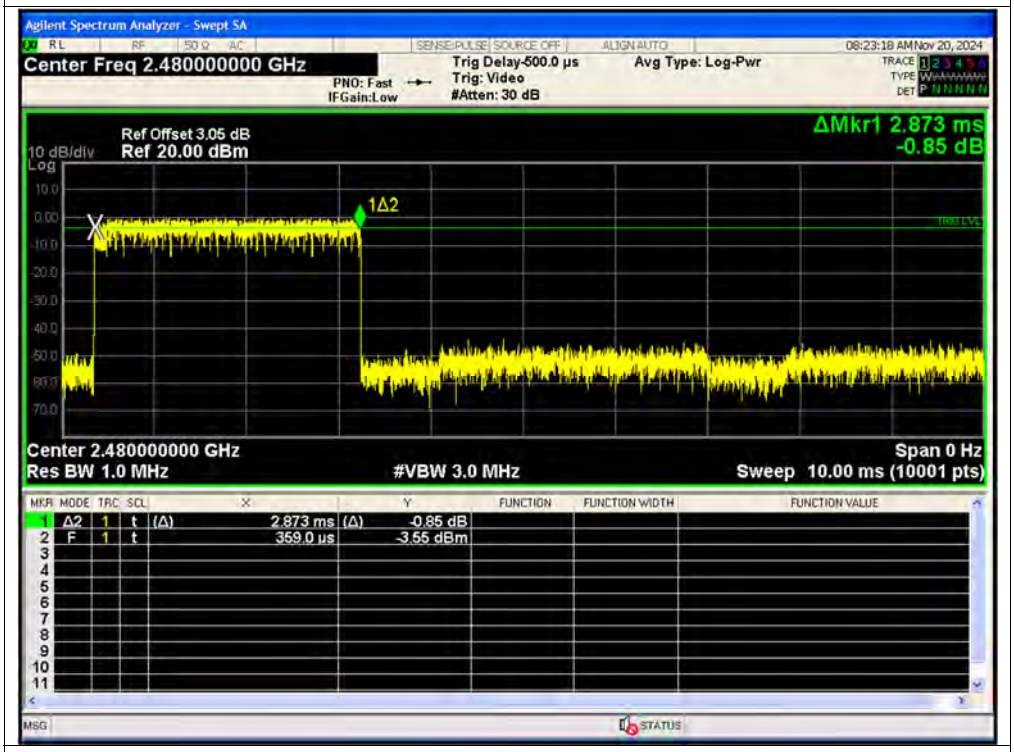
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



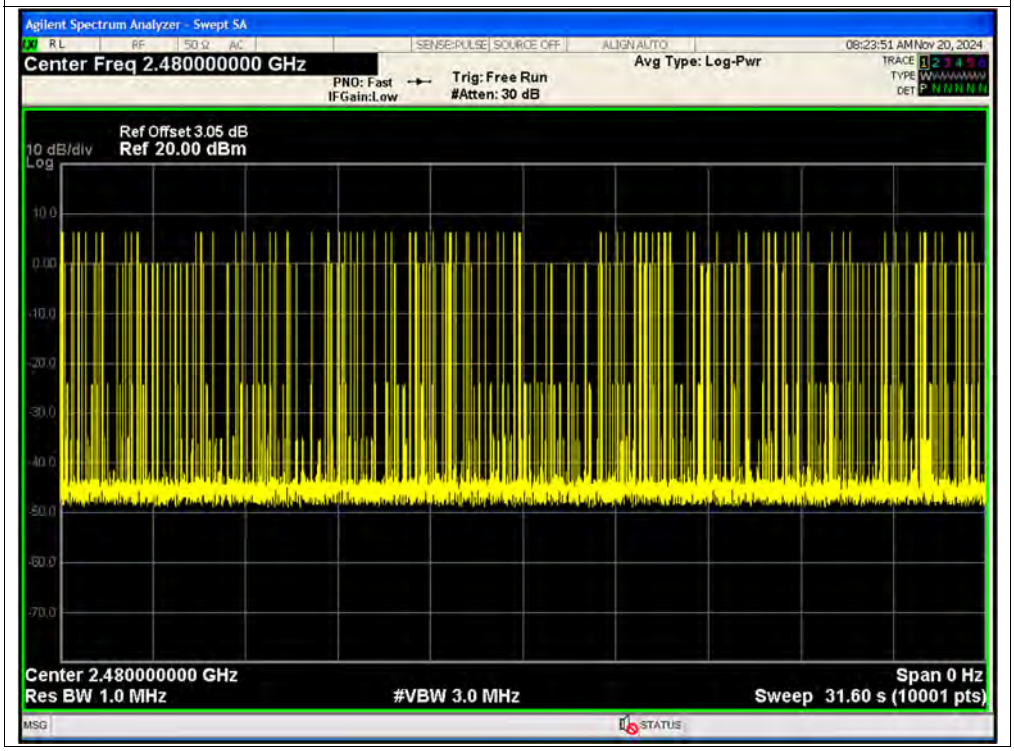
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated



A.8. Conducted Spurious Emissions

Left

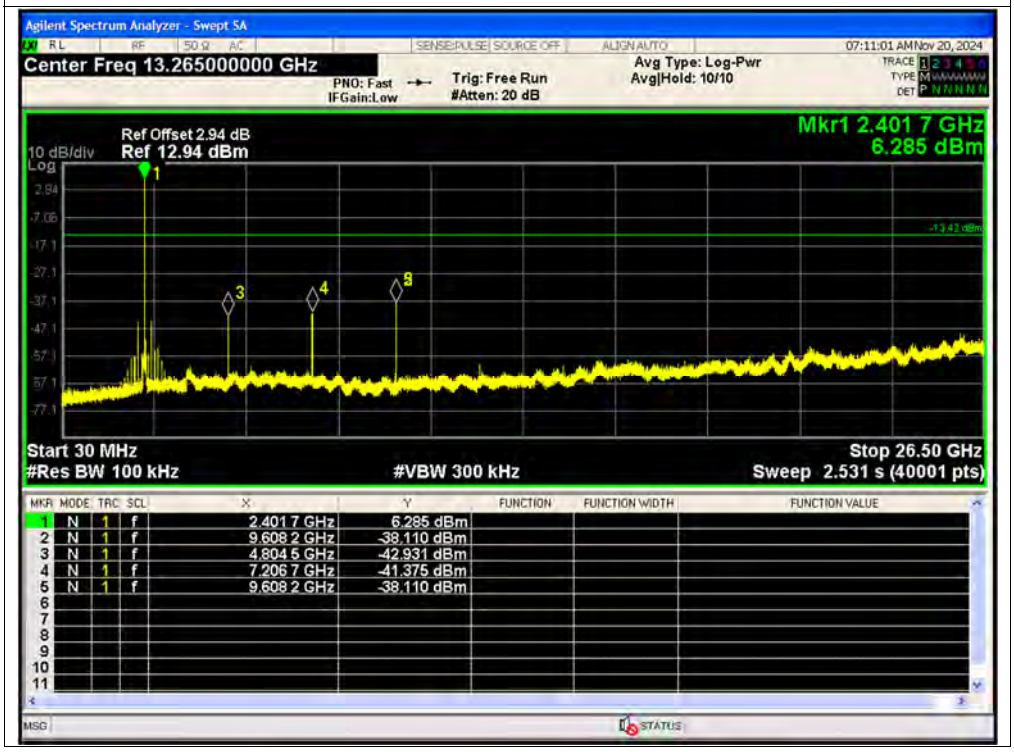
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-44.68	-20	Pass
NVNT	1-DH5	2441	Ant1	-45.37	-20	Pass
NVNT	1-DH5	2480	Ant1	-45.64	-20	Pass
NVNT	2-DH5	2402	Ant1	-45.18	-20	Pass
NVNT	2-DH5	2441	Ant1	-45.83	-20	Pass
NVNT	2-DH5	2480	Ant1	-45.71	-20	Pass
NVNT	3-DH5	2402	Ant1	-45.03	-20	Pass
NVNT	3-DH5	2441	Ant1	-45.37	-20	Pass
NVNT	3-DH5	2480	Ant1	-45.5	-20	Pass

Right

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-44.58	-20	Pass
NVNT	1-DH5	2441	Ant1	-44.25	-20	Pass
NVNT	1-DH5	2480	Ant1	-43.49	-20	Pass
NVNT	2-DH5	2402	Ant1	-43.92	-20	Pass
NVNT	2-DH5	2441	Ant1	-43.85	-20	Pass
NVNT	2-DH5	2480	Ant1	-43.62	-20	Pass
NVNT	3-DH5	2402	Ant1	-44.13	-20	Pass
NVNT	3-DH5	2441	Ant1	-43.71	-20	Pass
NVNT	3-DH5	2480	Ant1	-43.46	-20	Pass

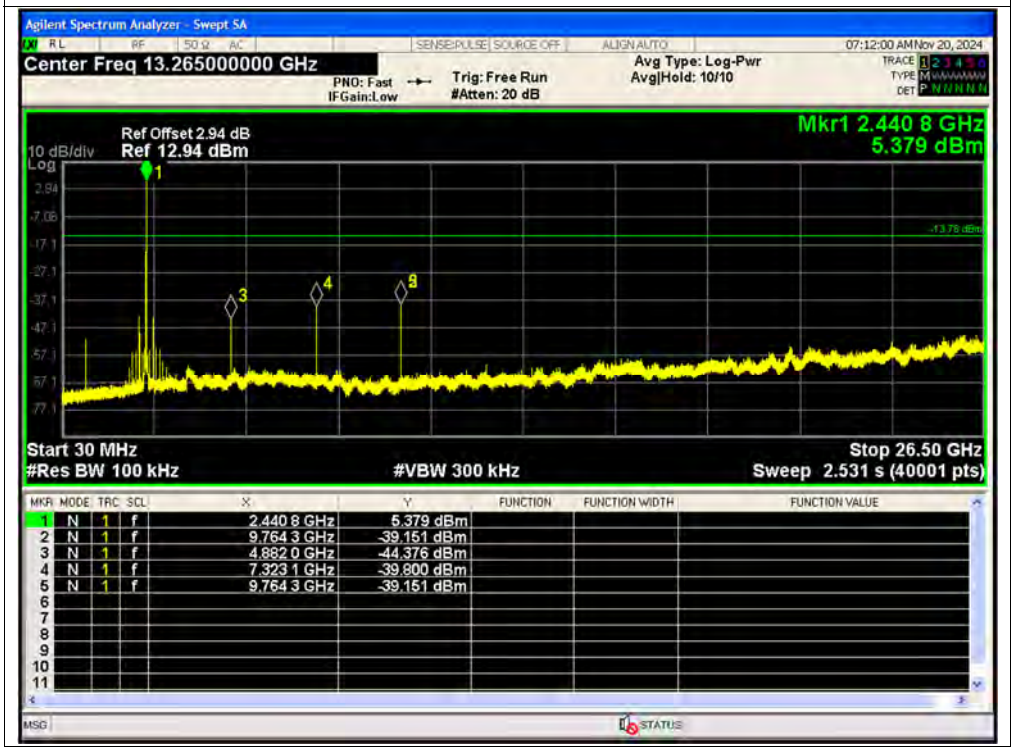
Left
Test Graphs
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



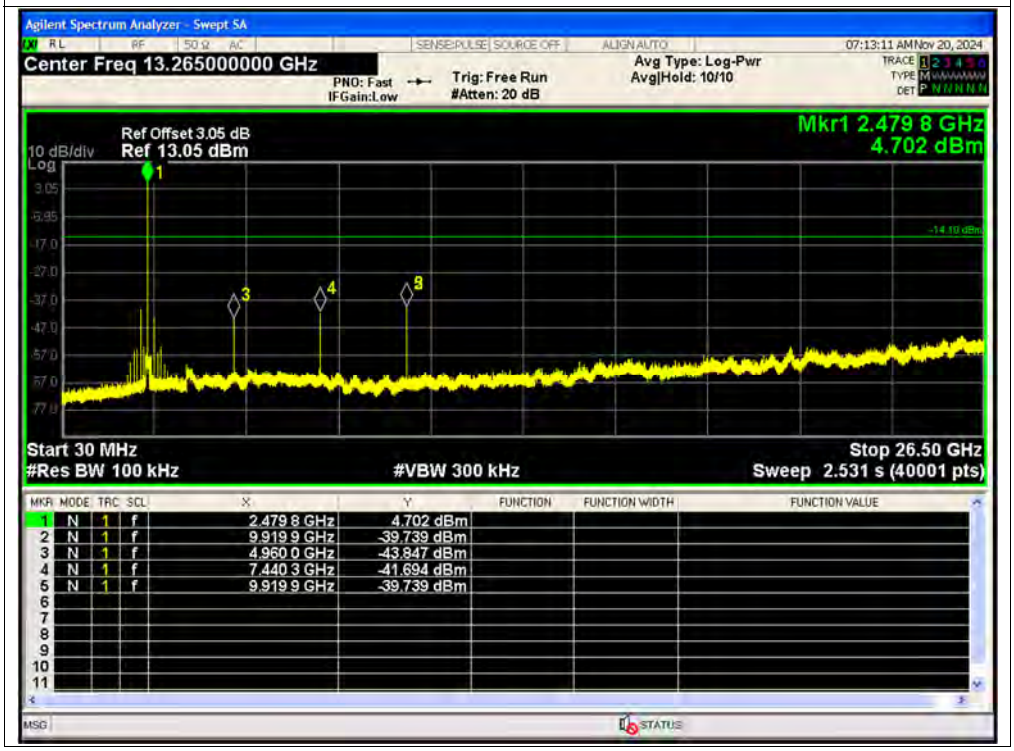
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



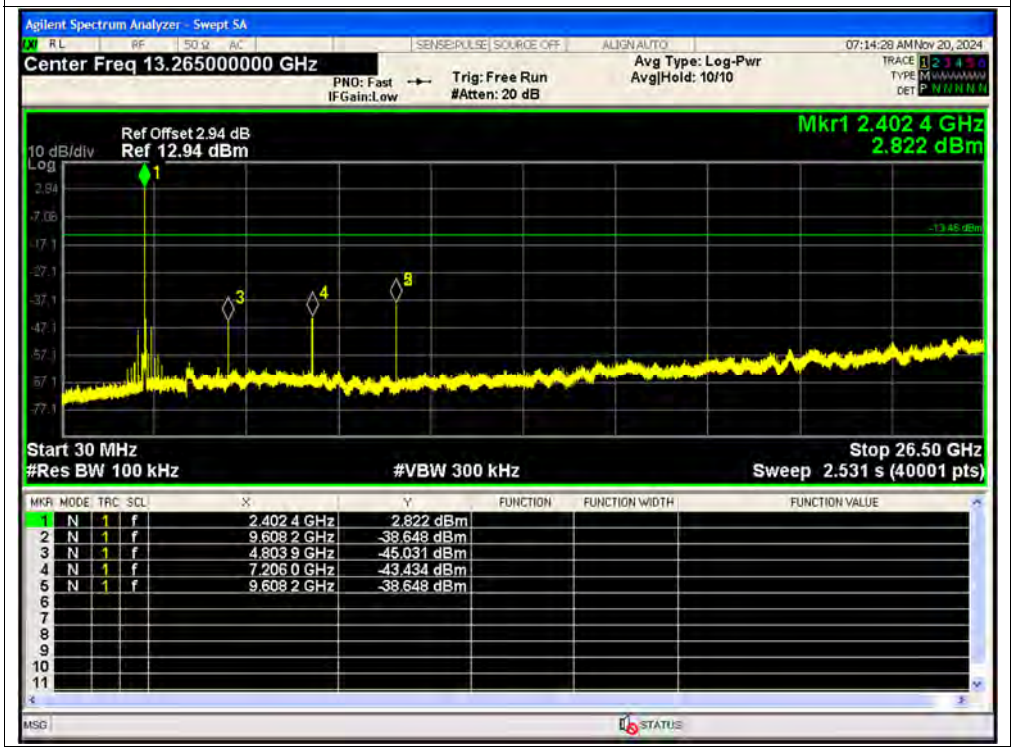
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



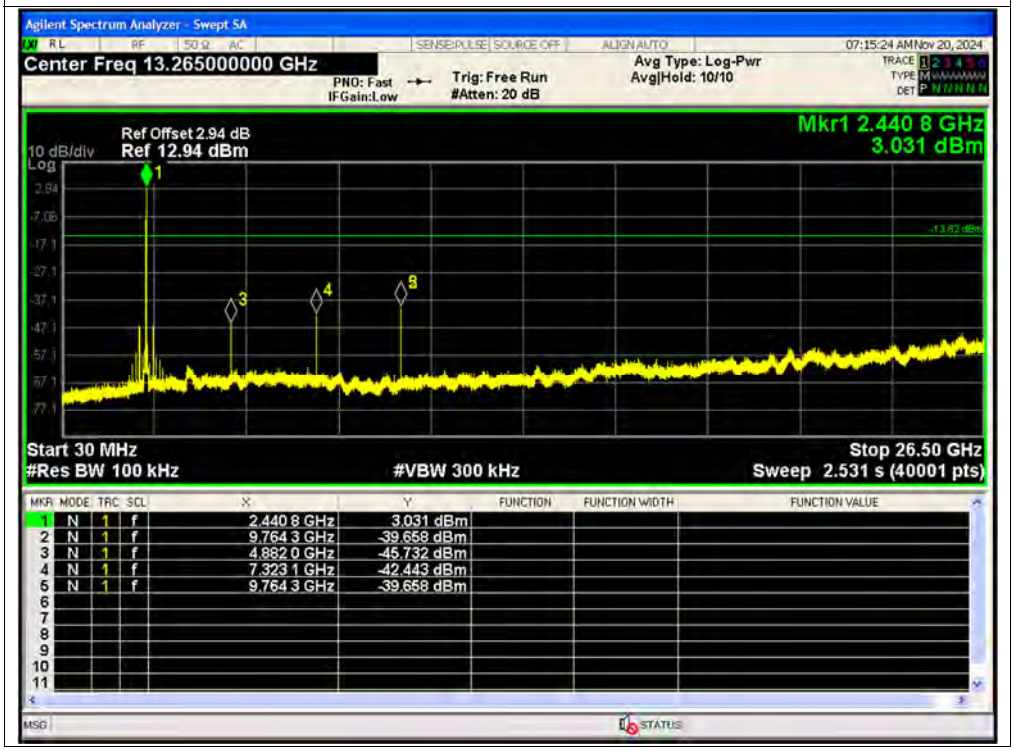
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



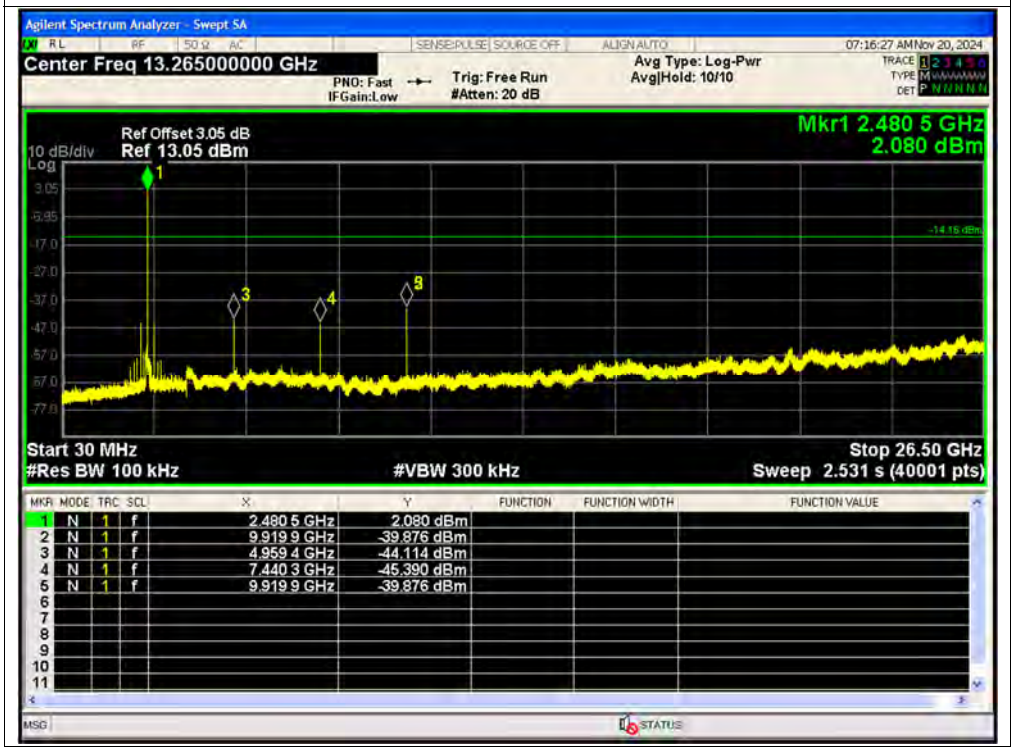
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



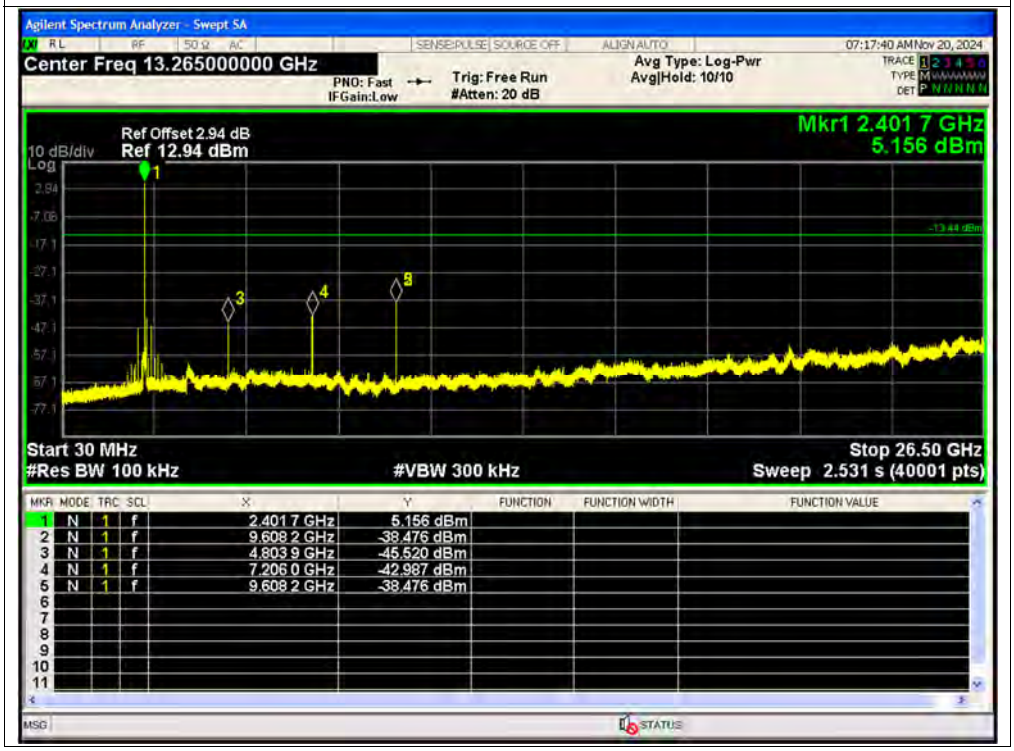
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



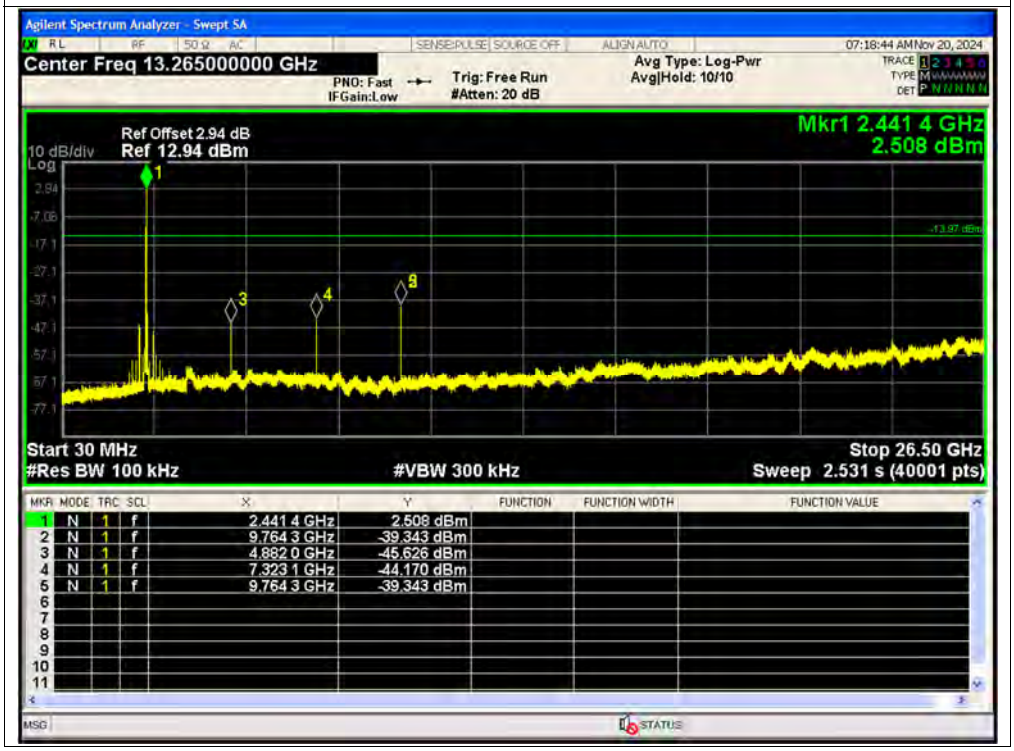
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



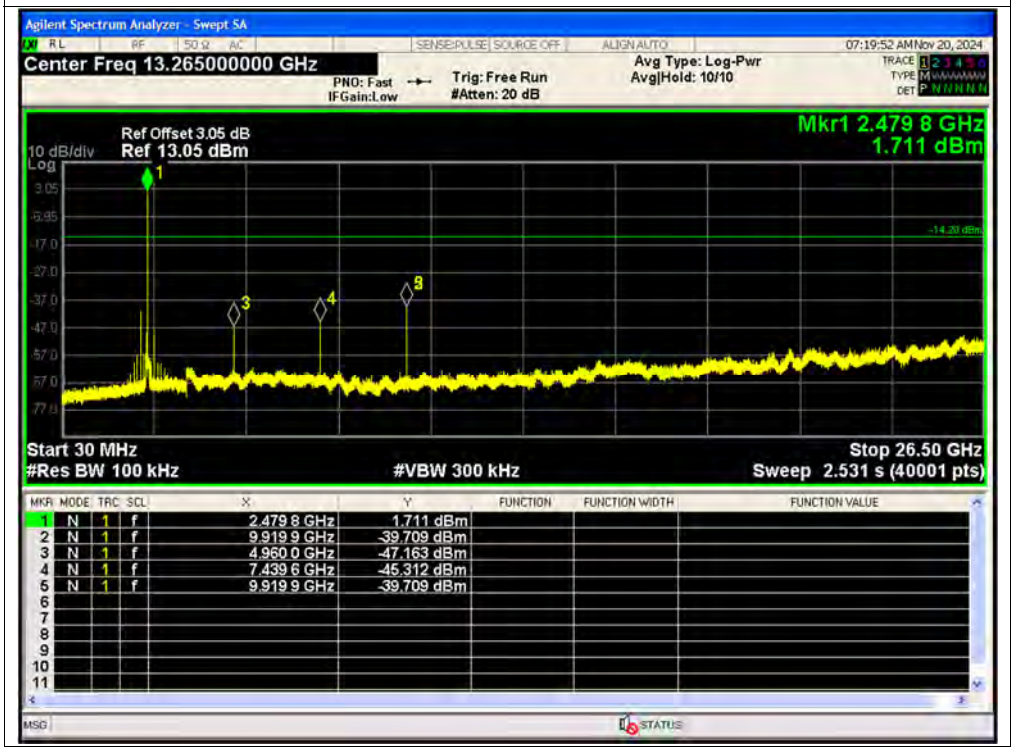
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



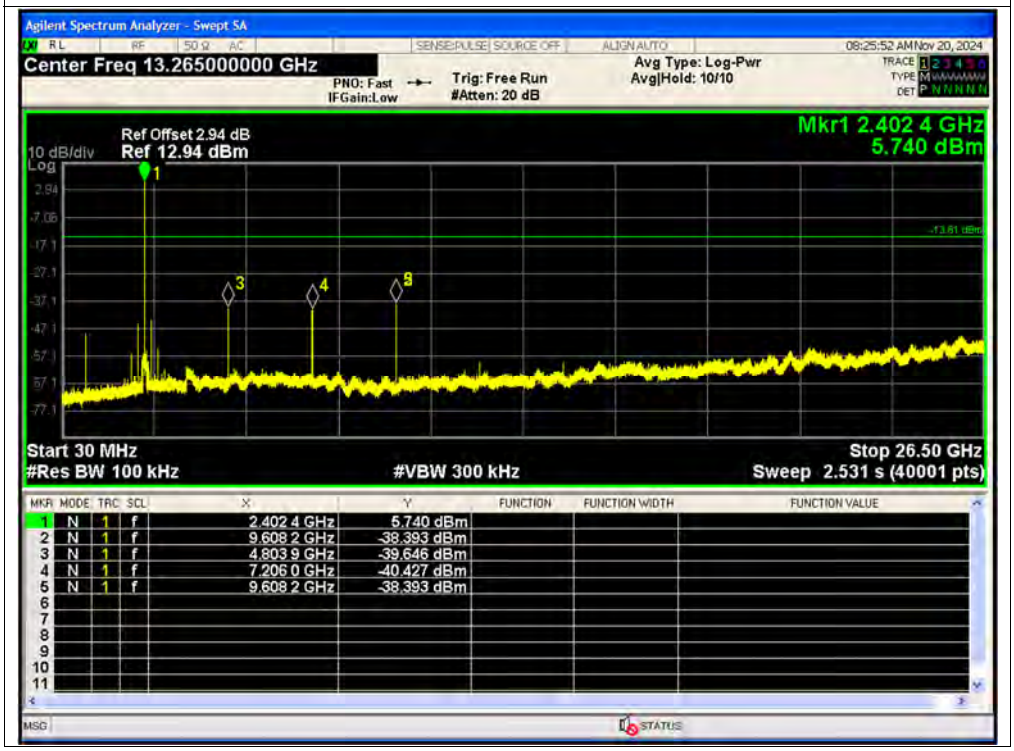
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission



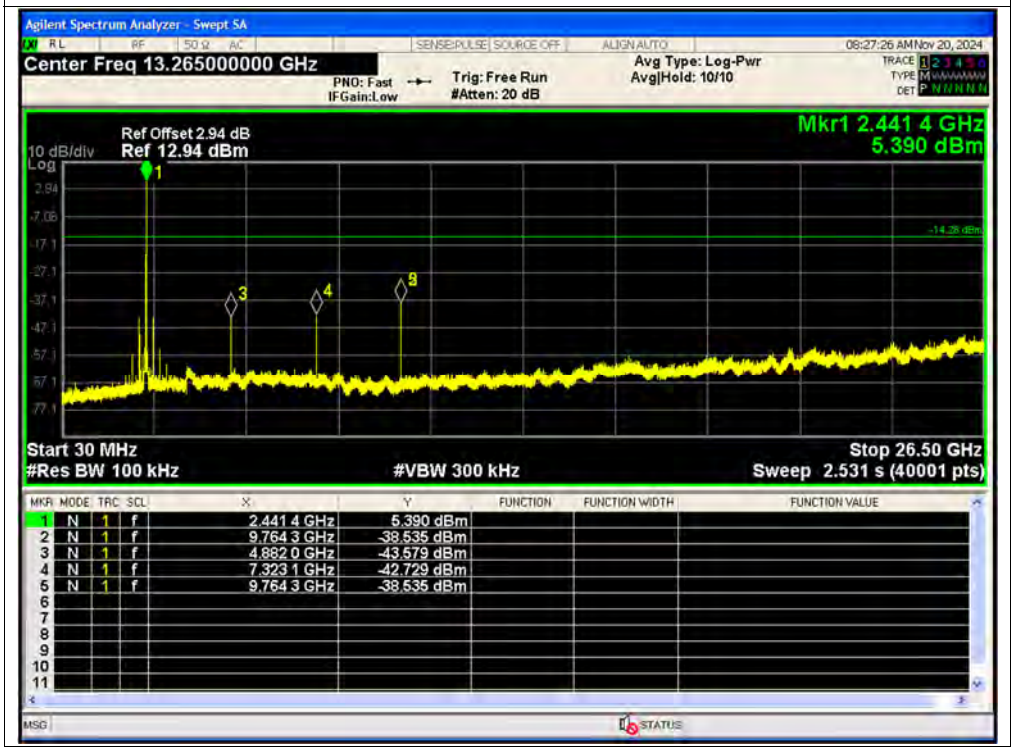
Right
Test Graphs
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



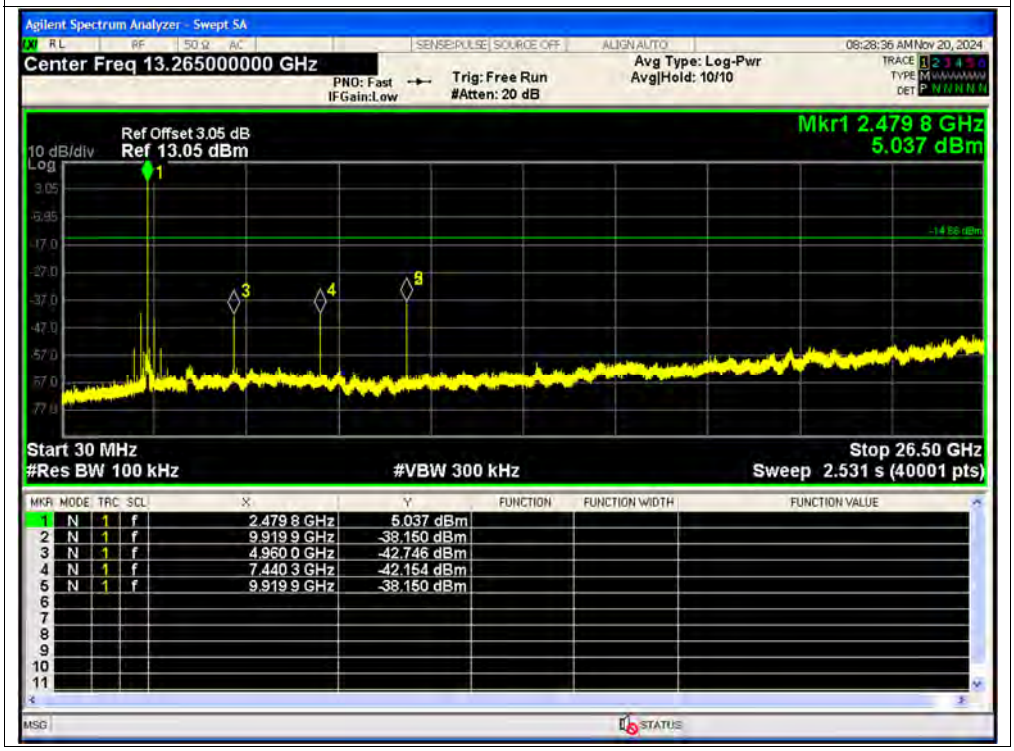
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



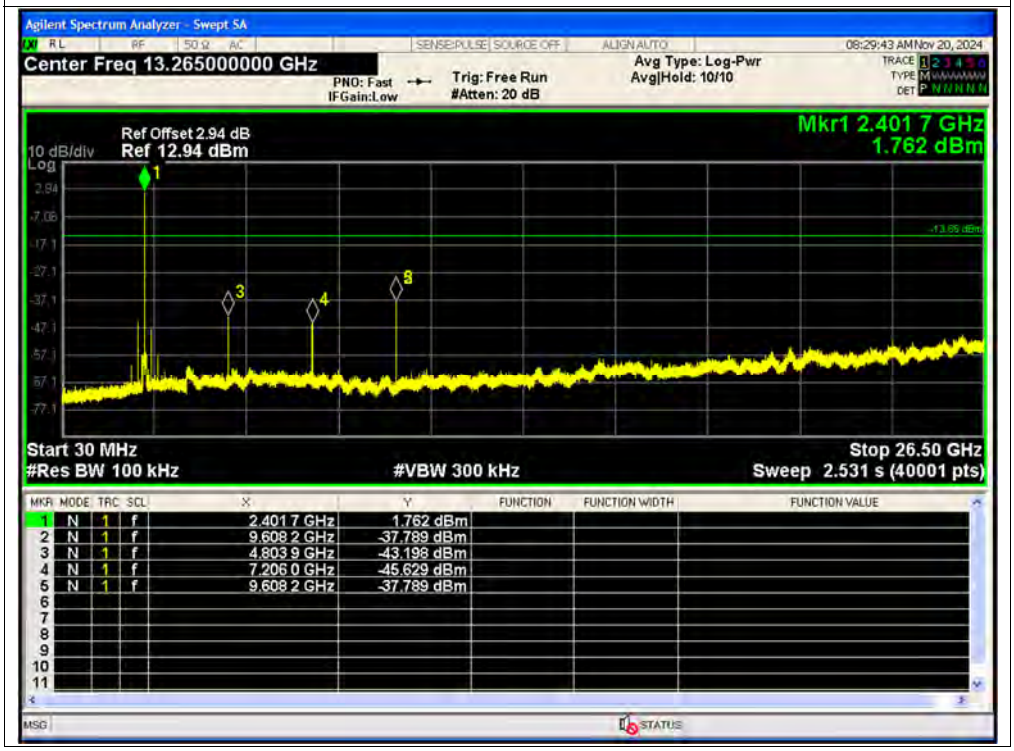
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



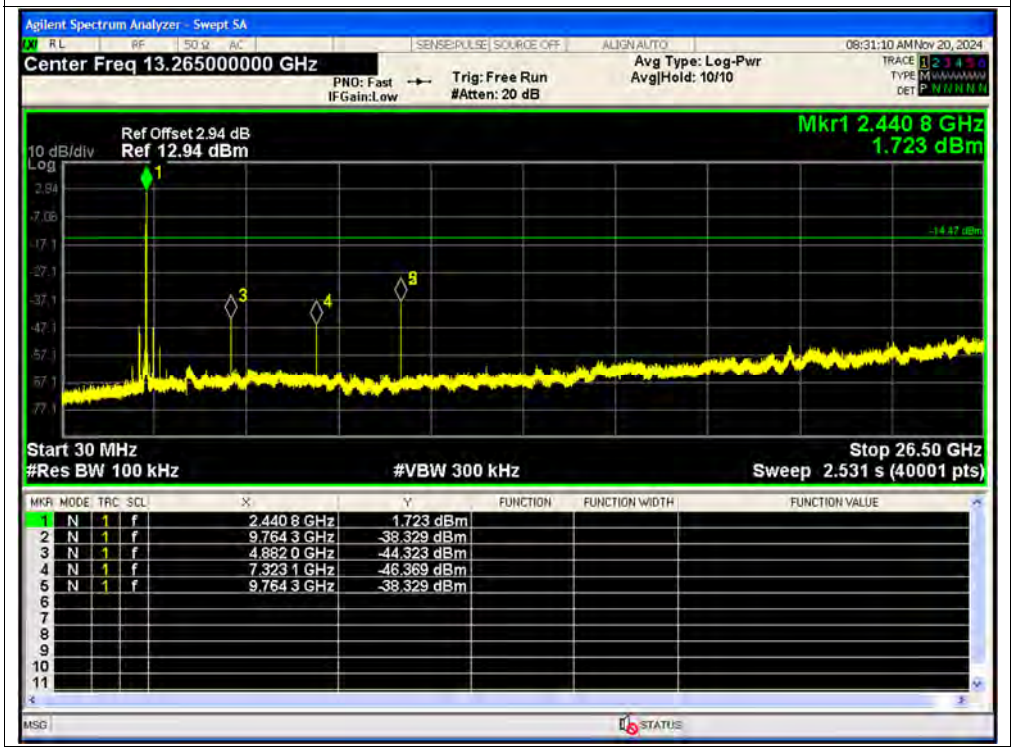
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



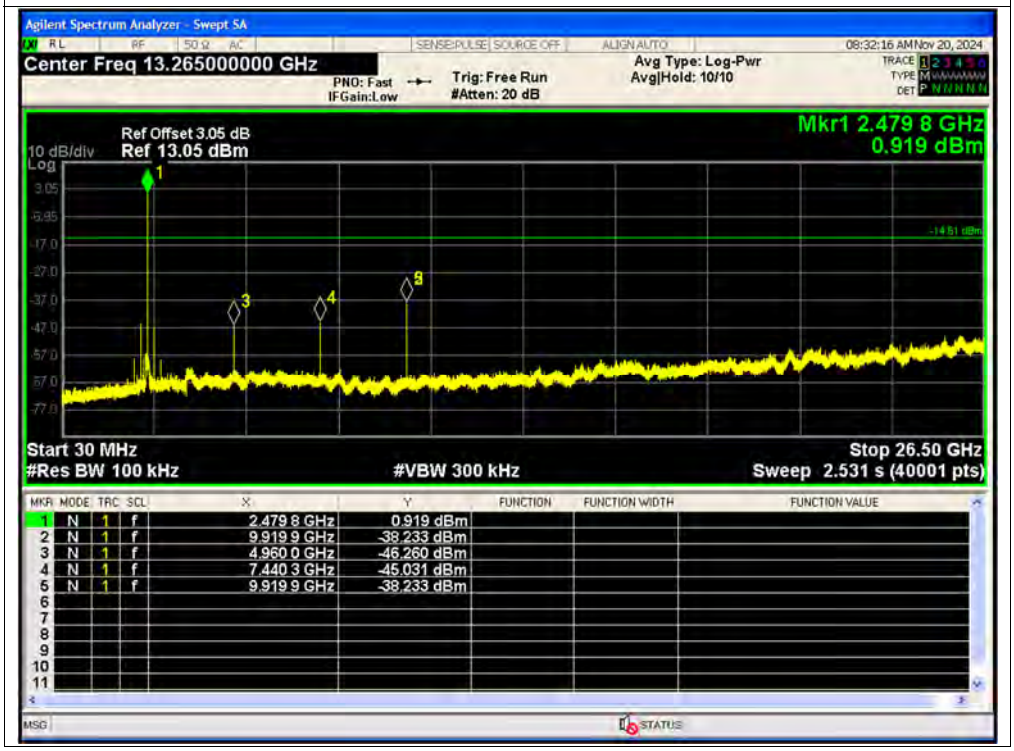
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



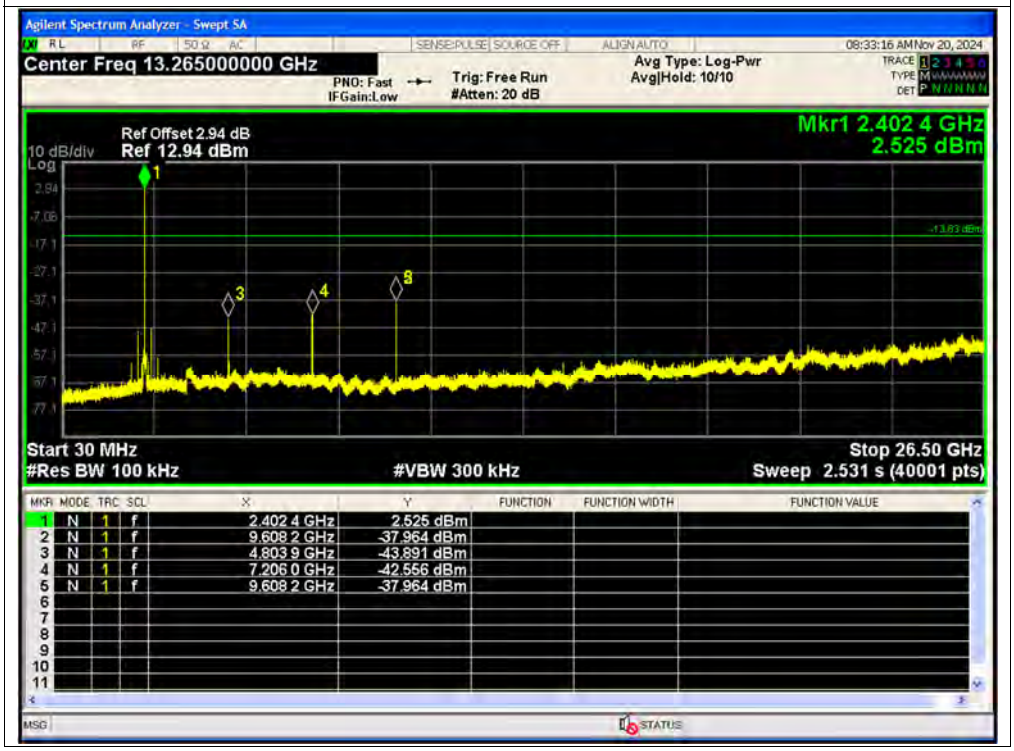
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



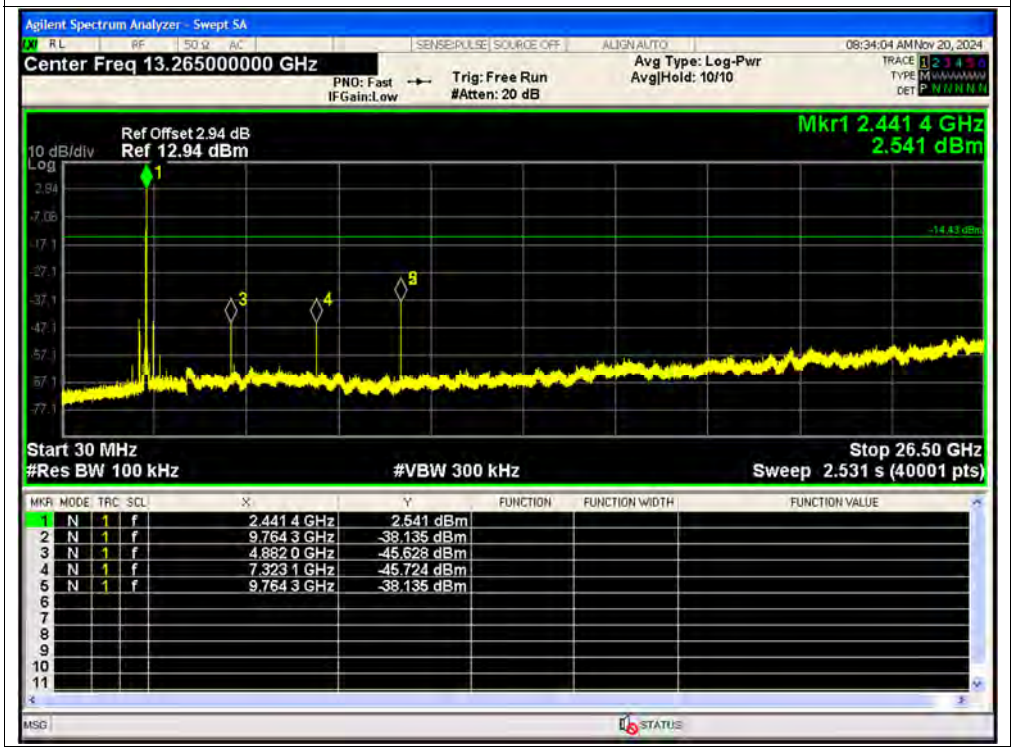
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



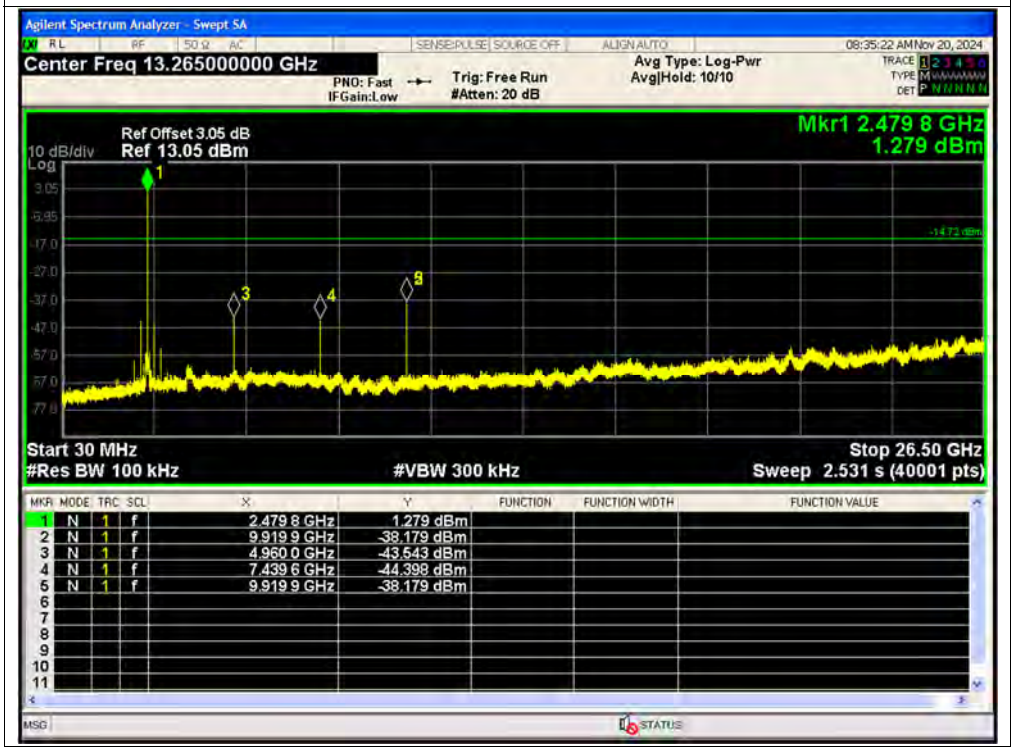
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission



A.9. Band Edge

Left

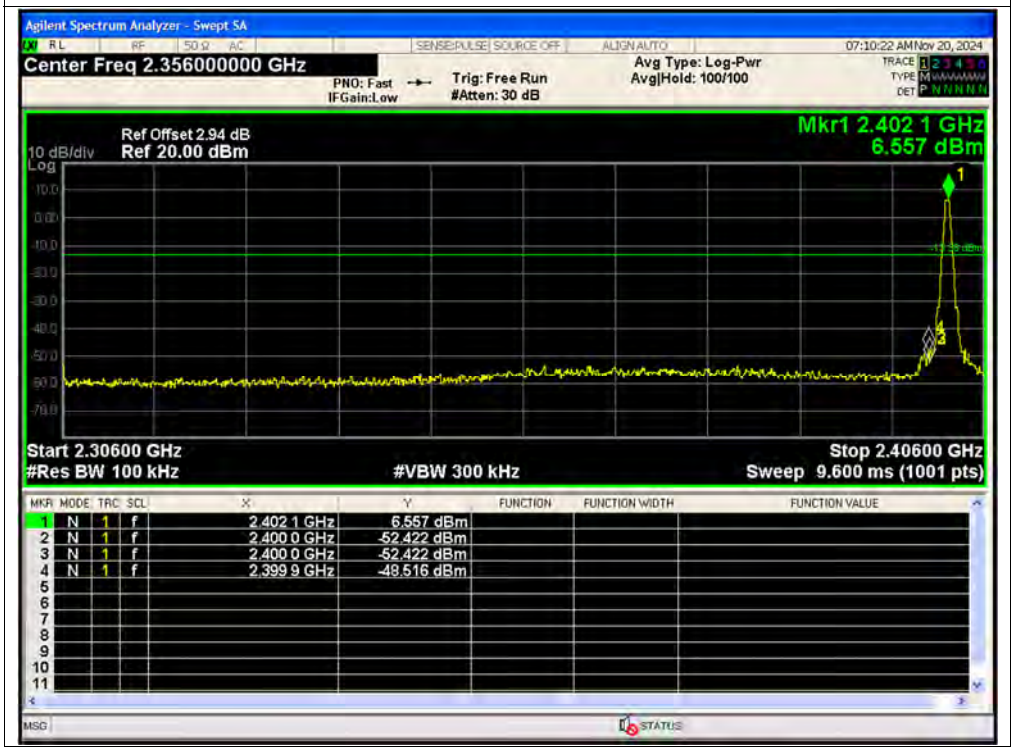
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.13	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.66	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-55.16	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-58.46	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.9	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-59.88	-20	Pass
NVNT	1-DH5	2402	Ant1	Hopping	-57.98	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.08	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-57.97	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-58.3	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-58.76	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.46	-20	Pass

Right

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-53.19	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.07	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-49.47	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.54	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-50.72	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.31	-20	Pass
NVNT	1-DH5	2402	Ant1	Hopping	-55.86	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-57.69	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-58.41	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.27	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-58.61	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-58.25	-20	Pass

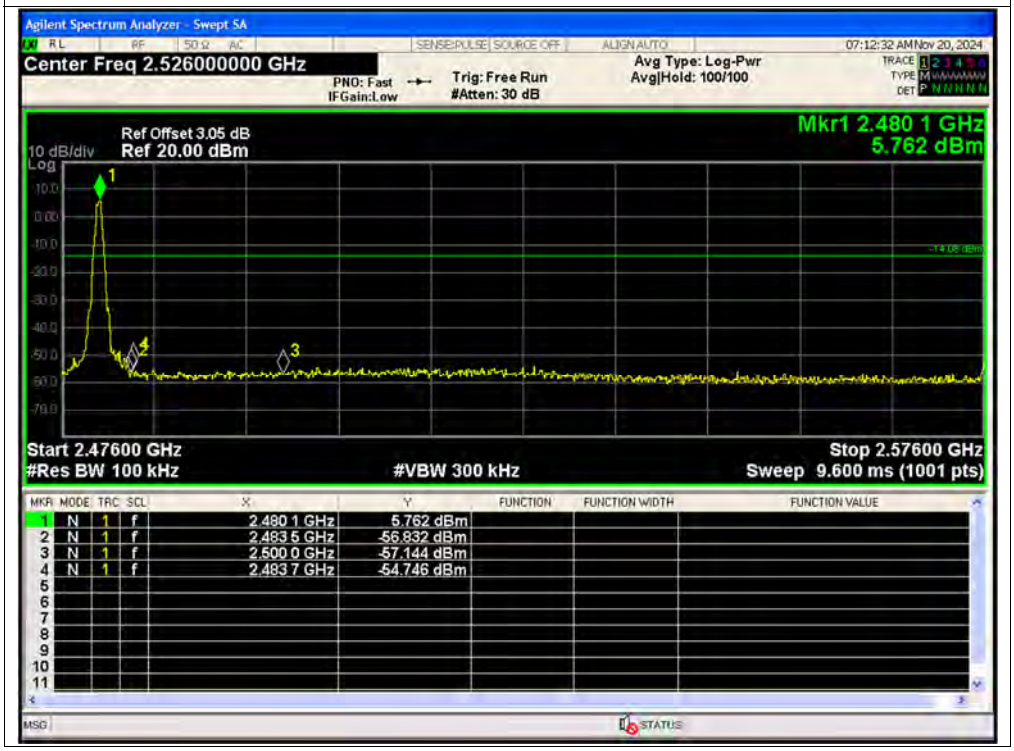
Left
Test Graphs
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



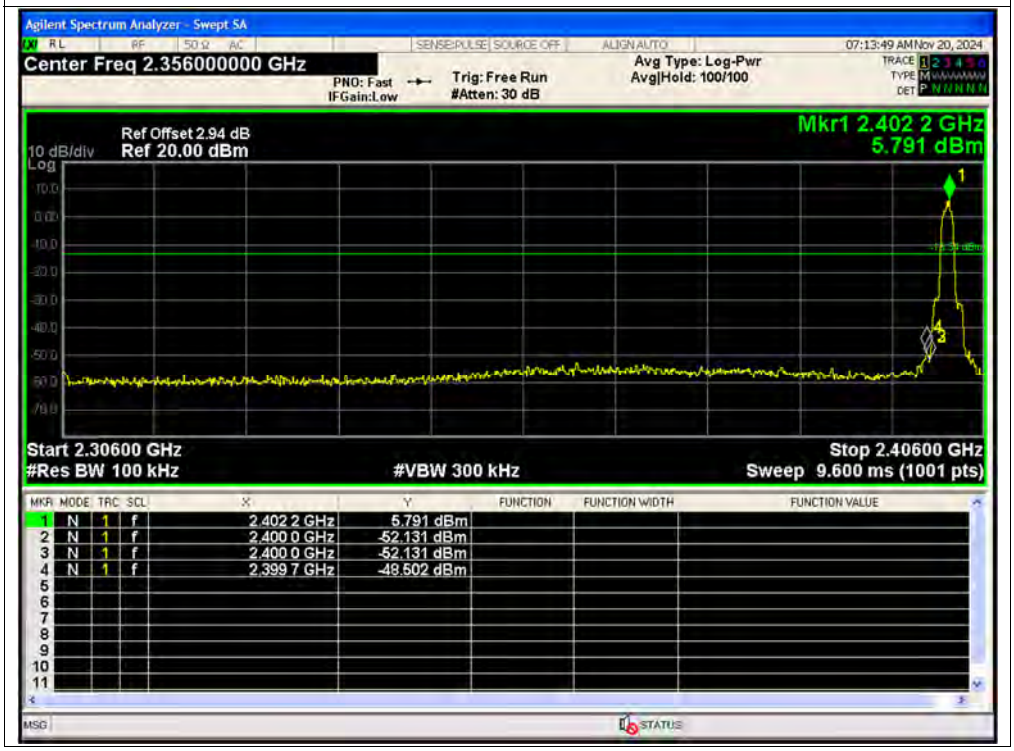
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

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



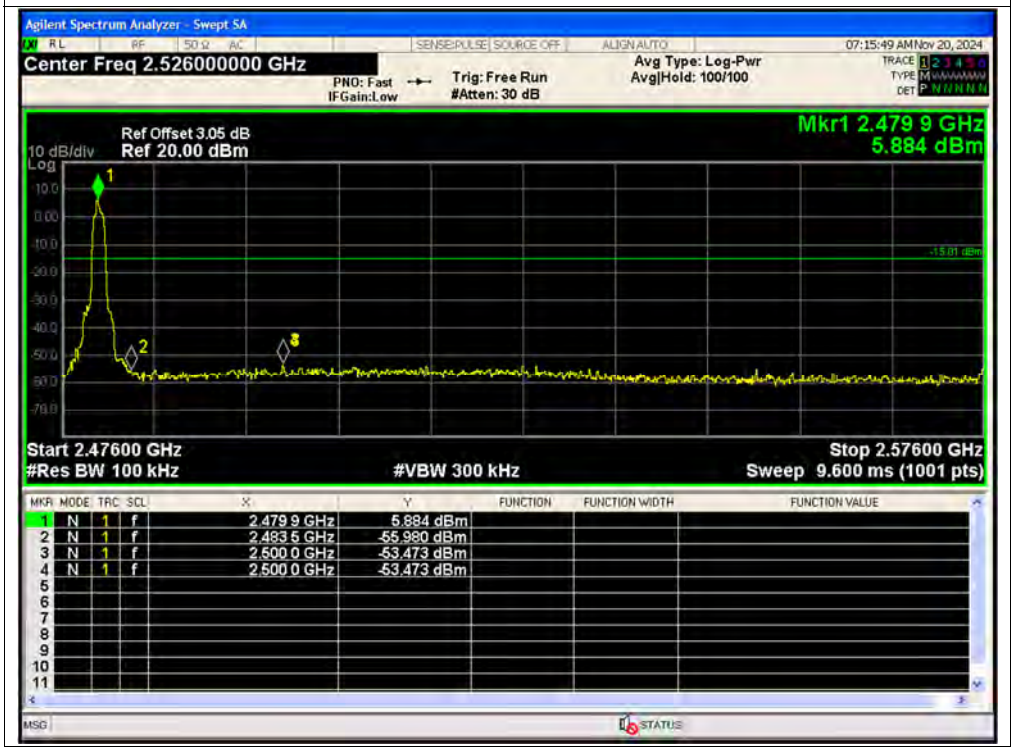
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

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



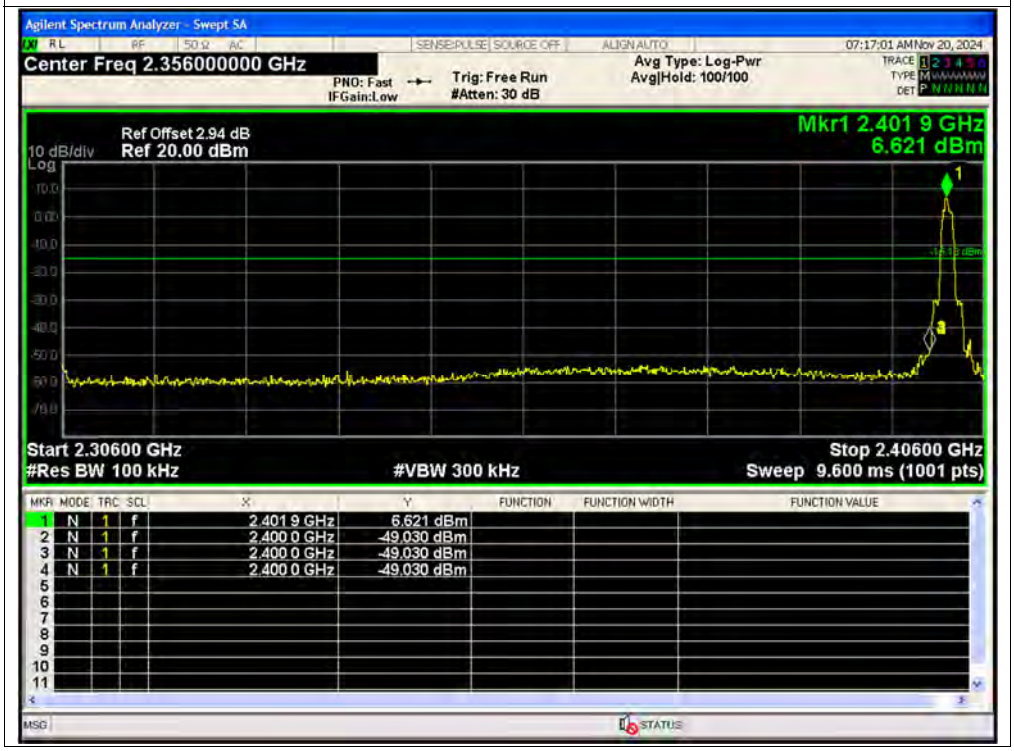
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

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



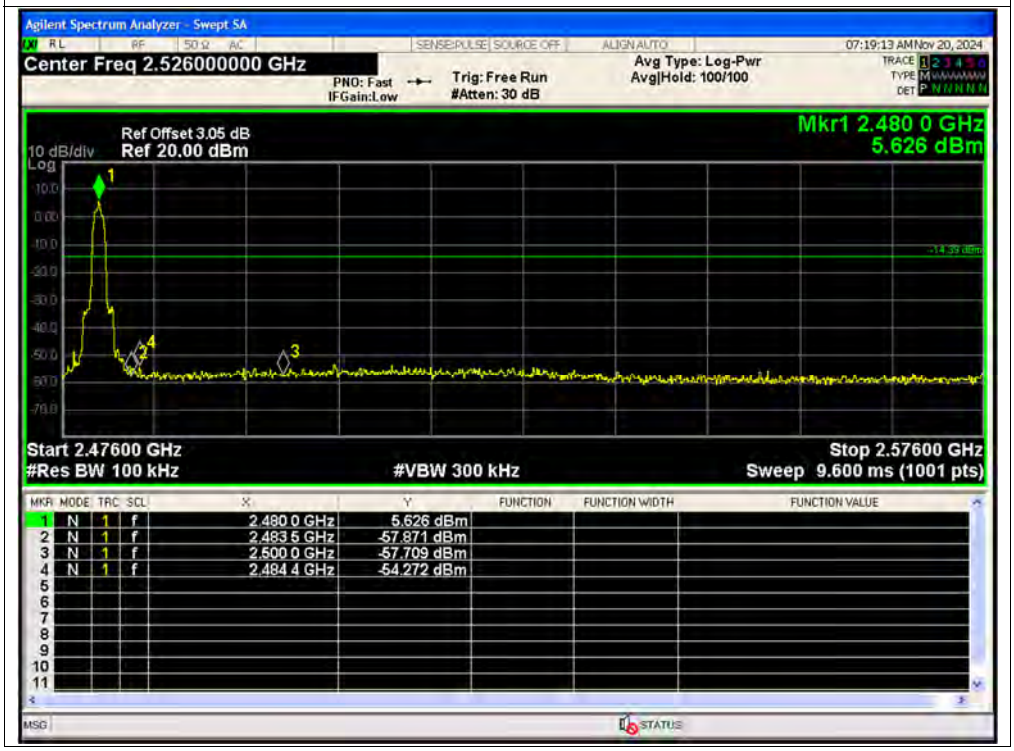
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

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



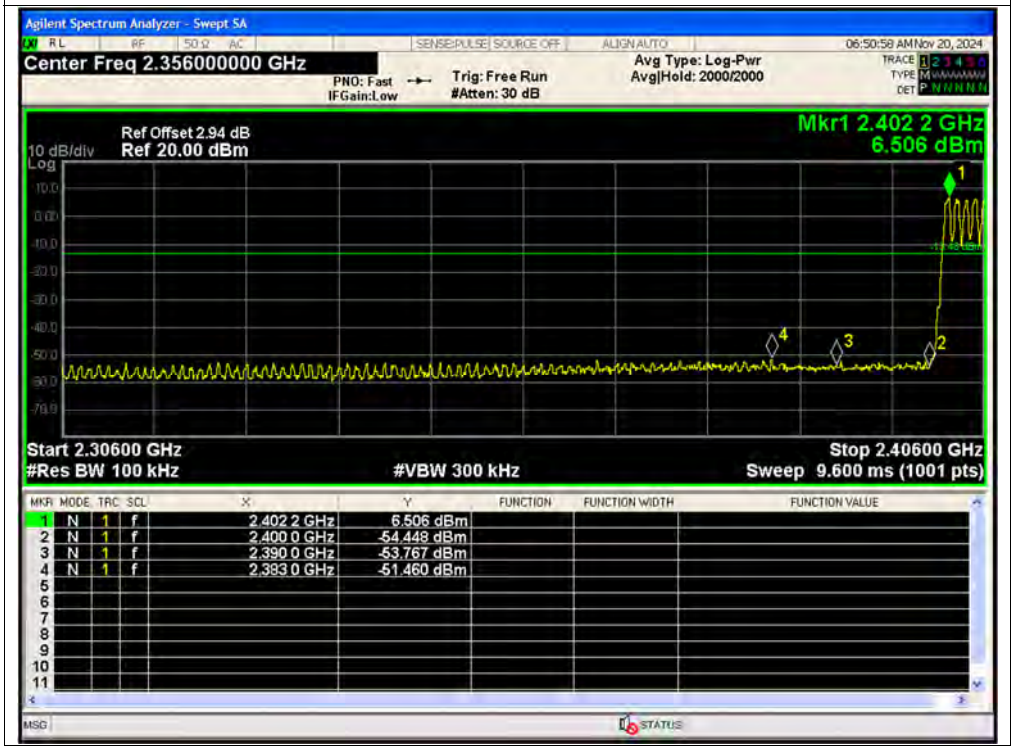
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref

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



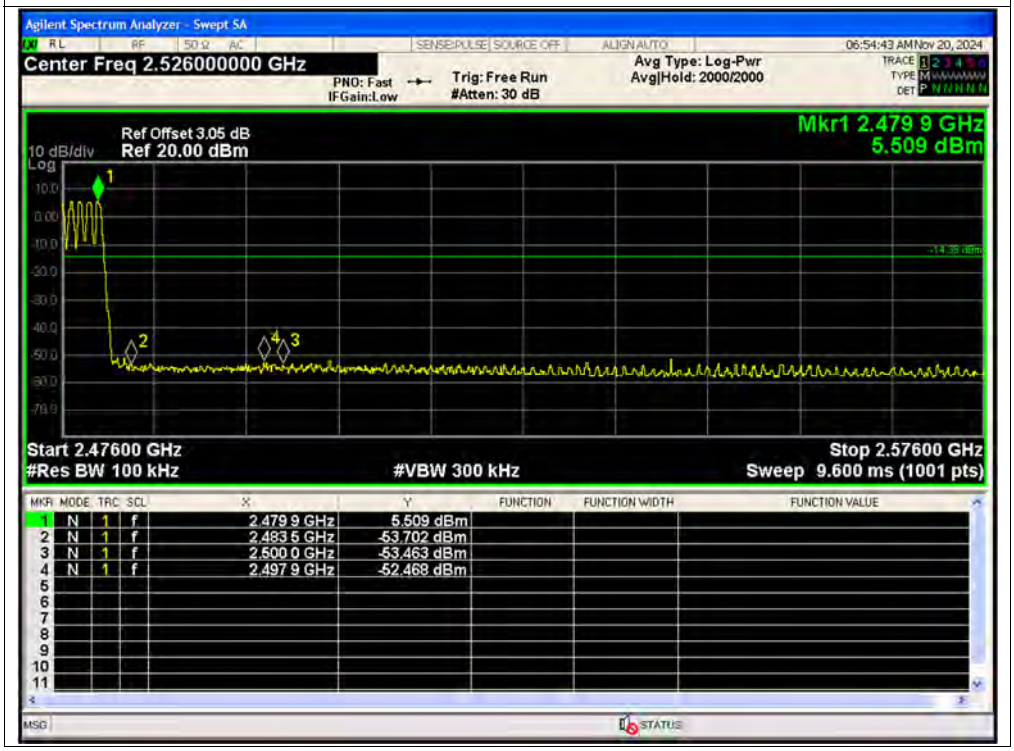
Test Graphs
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

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



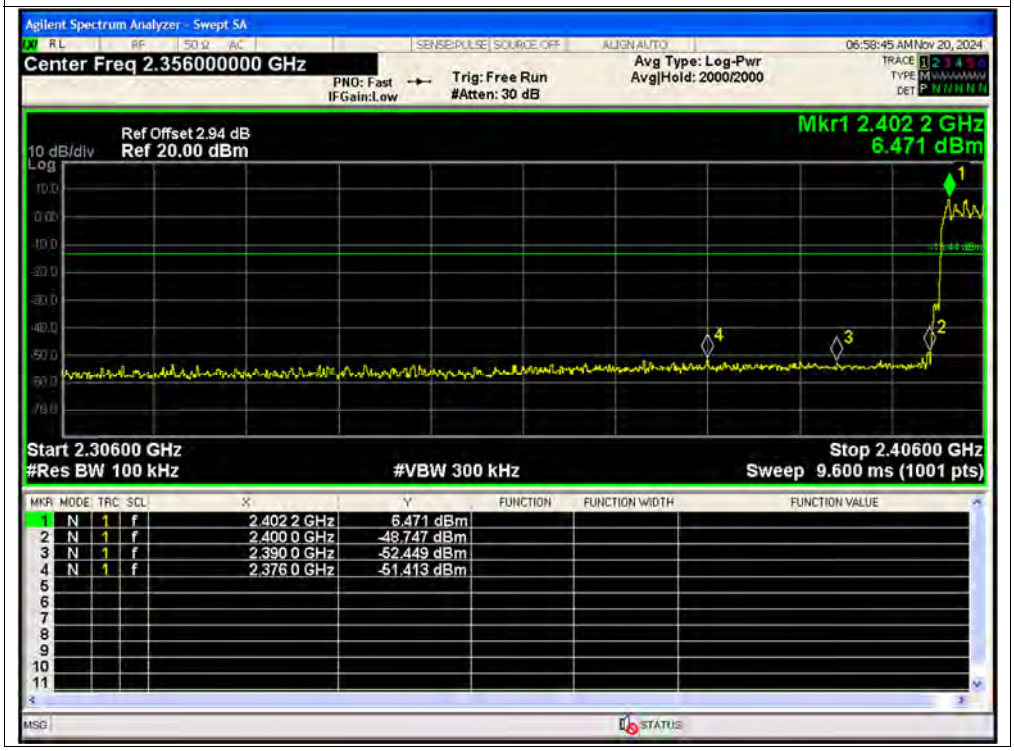
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

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



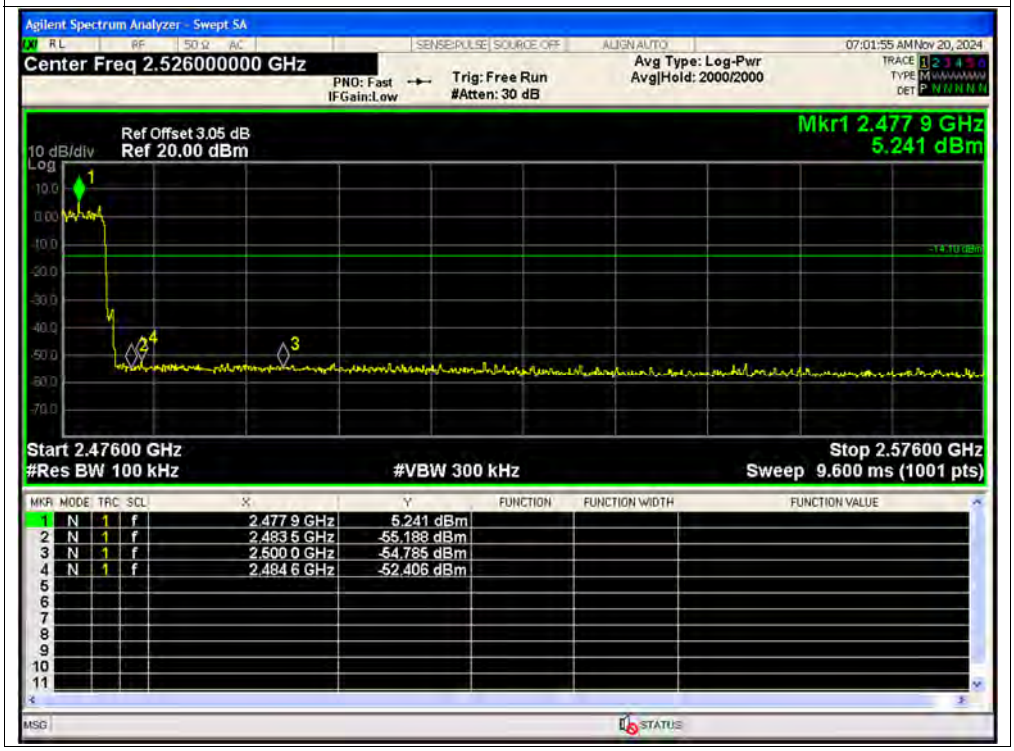
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

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



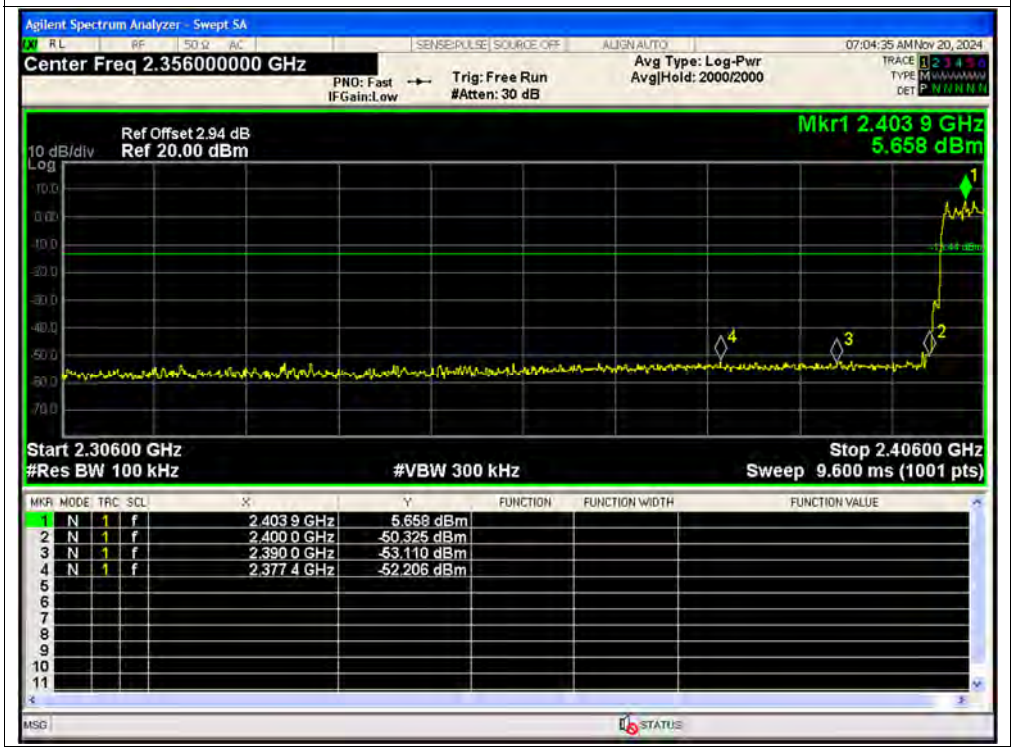
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

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



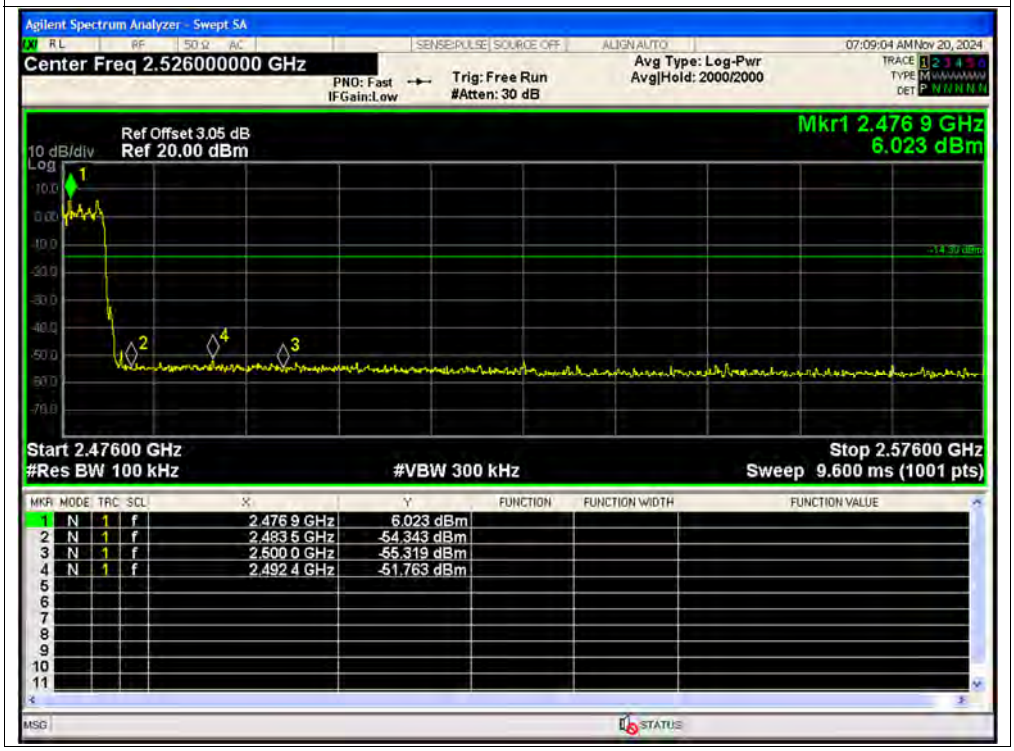
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

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



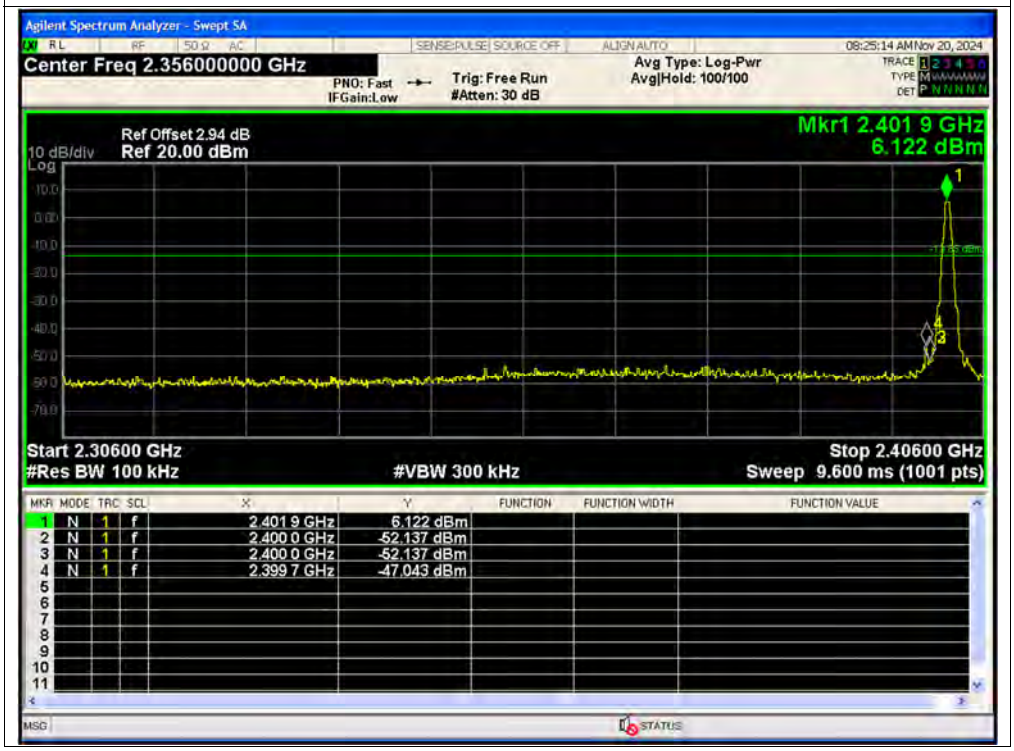
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref

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



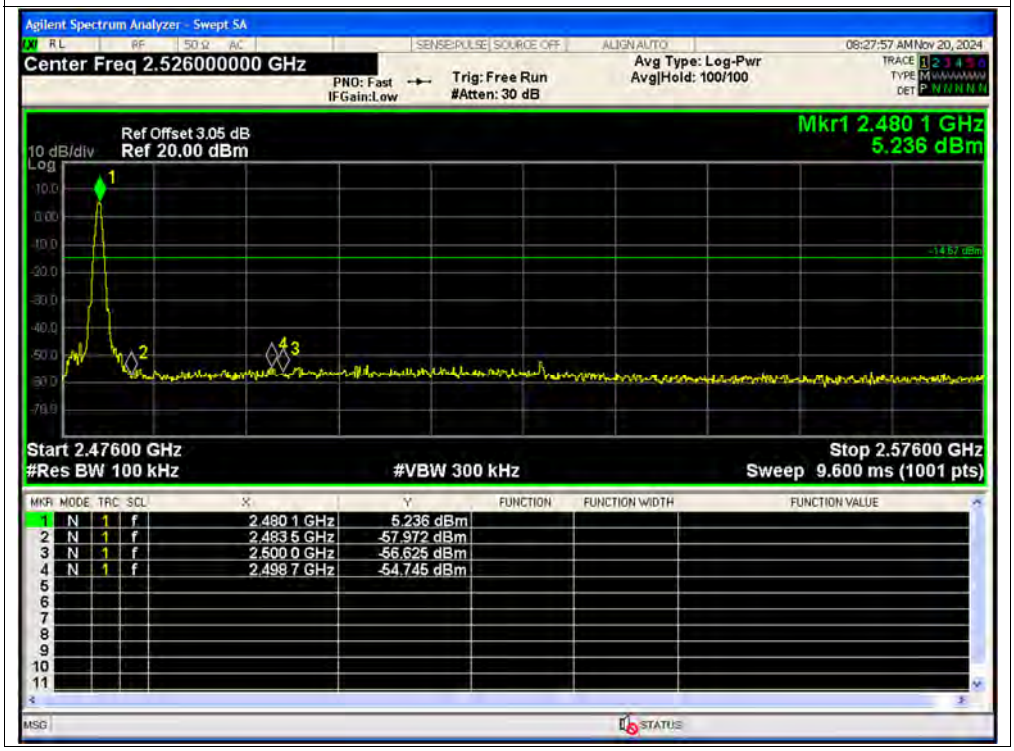
Right
Test Graphs
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



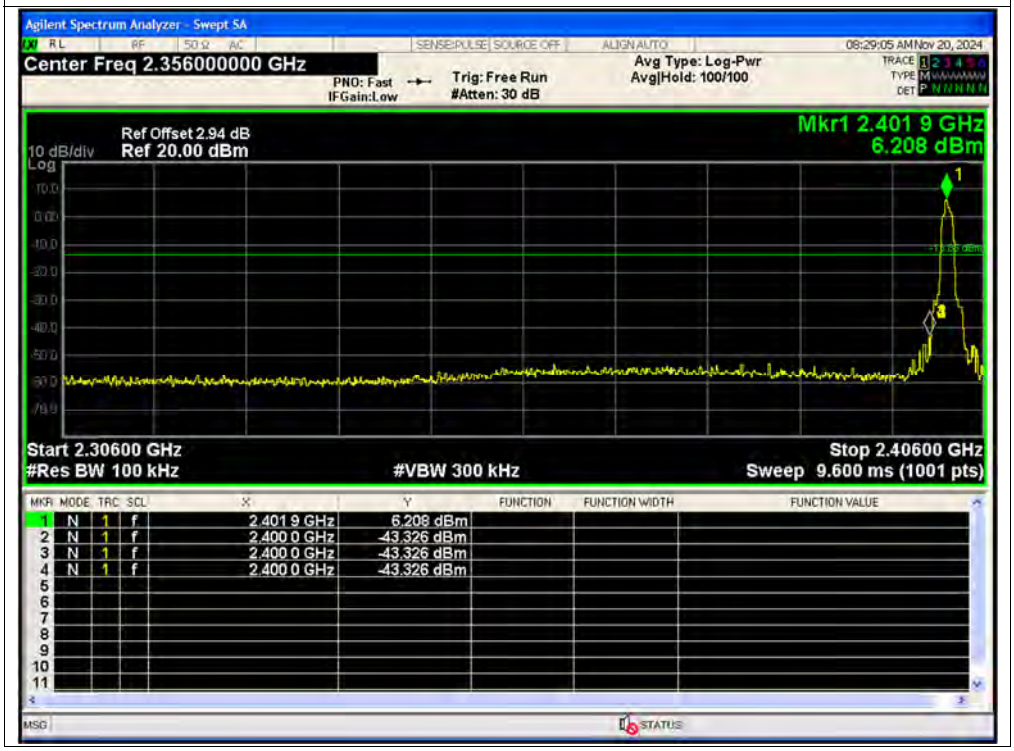
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

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



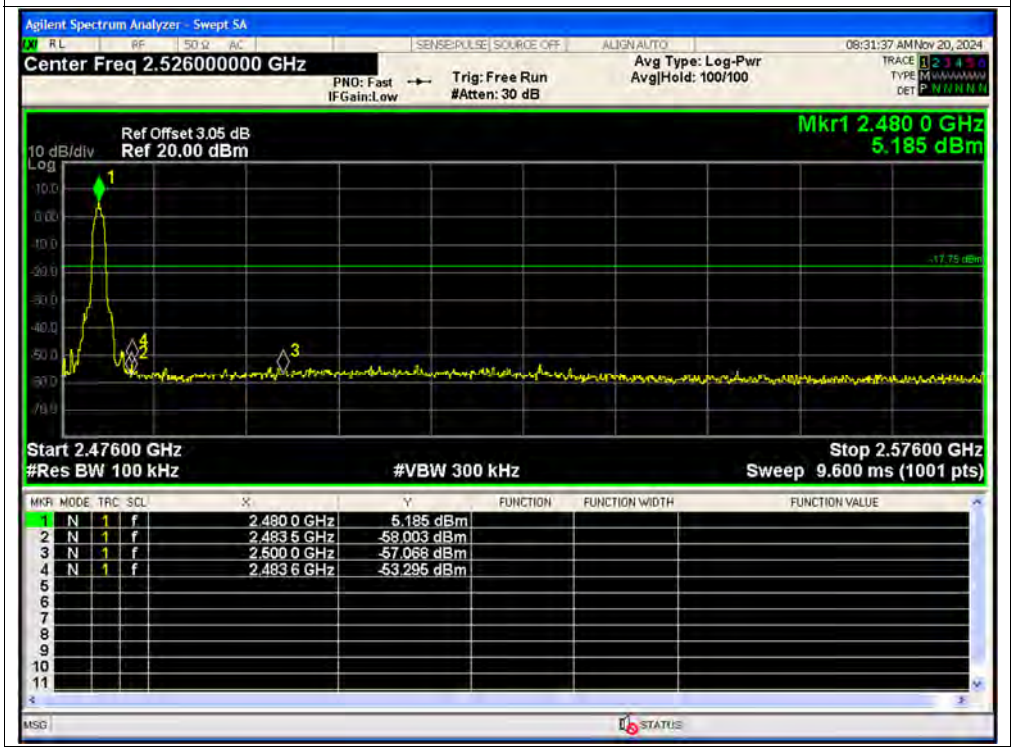
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

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



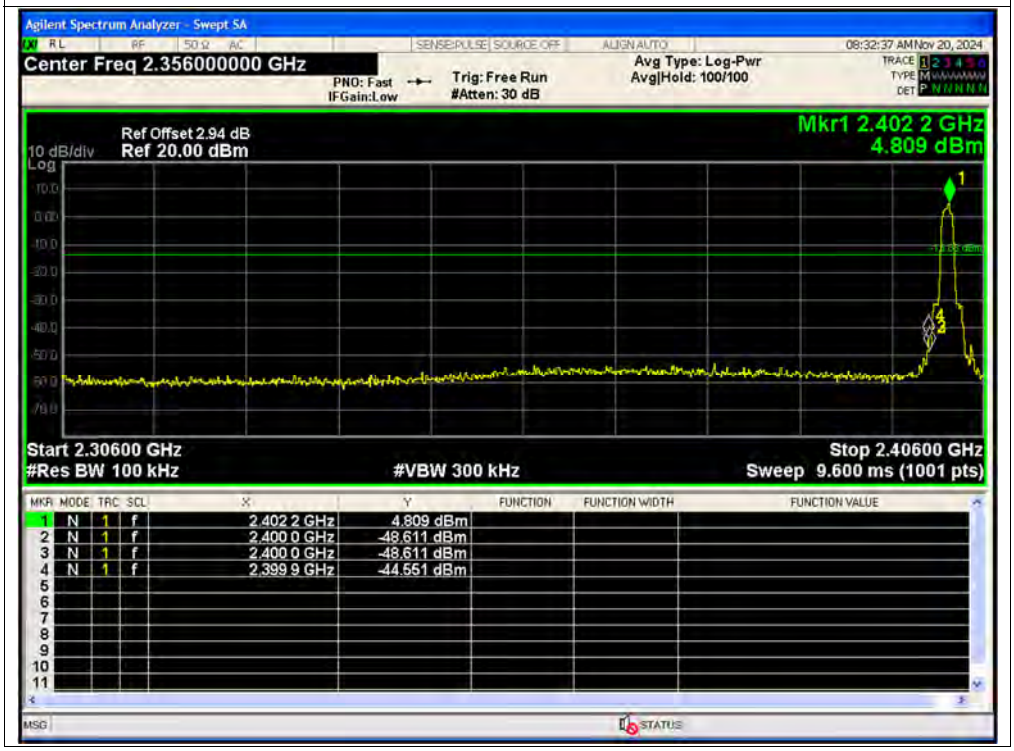
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

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



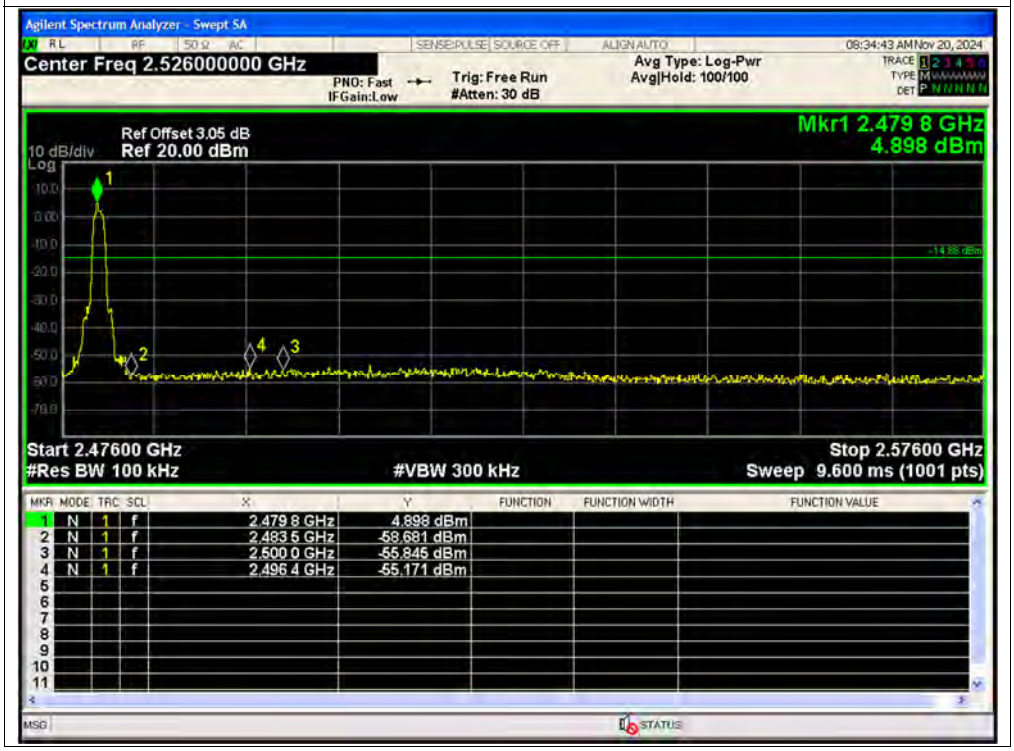
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

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



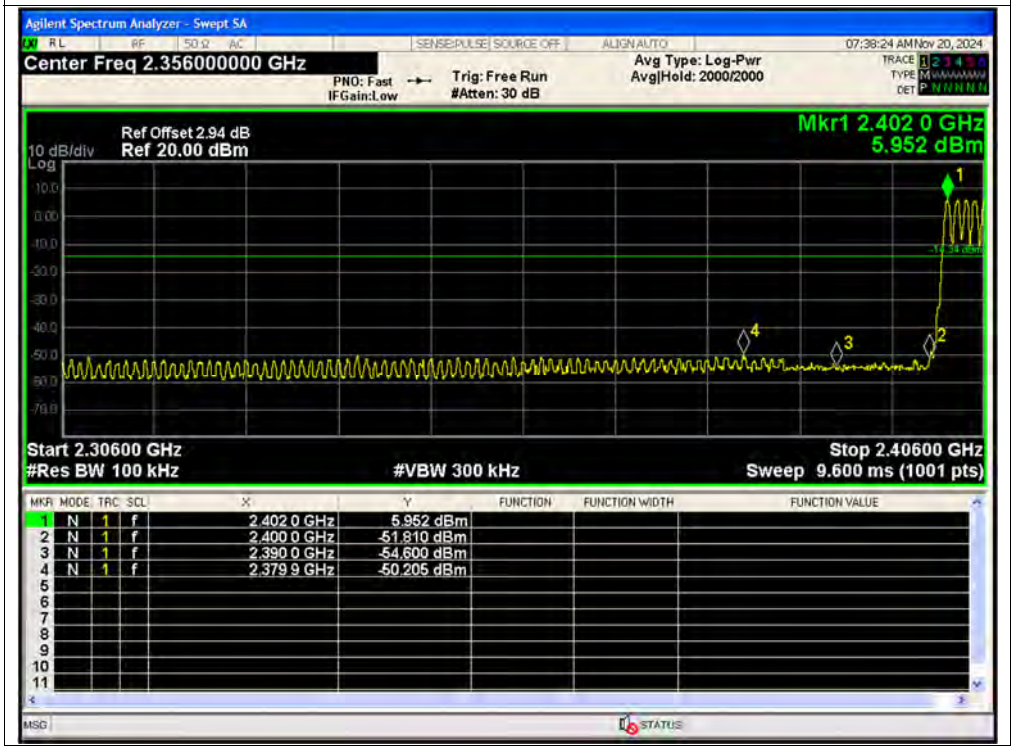
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref

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



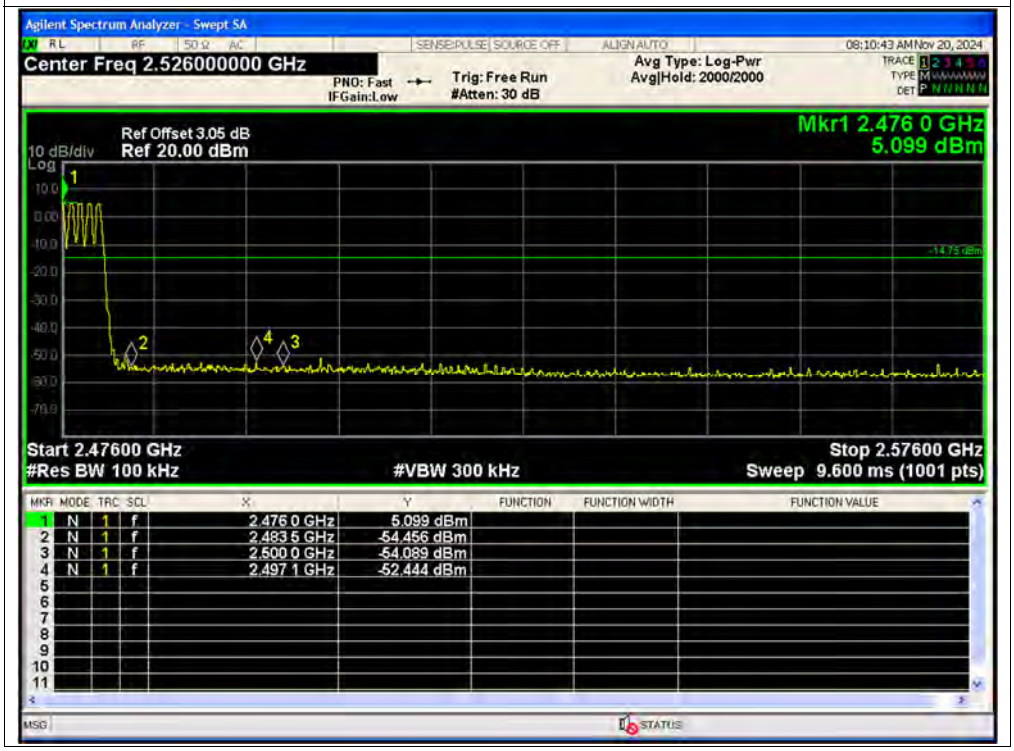
Test Graphs
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

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



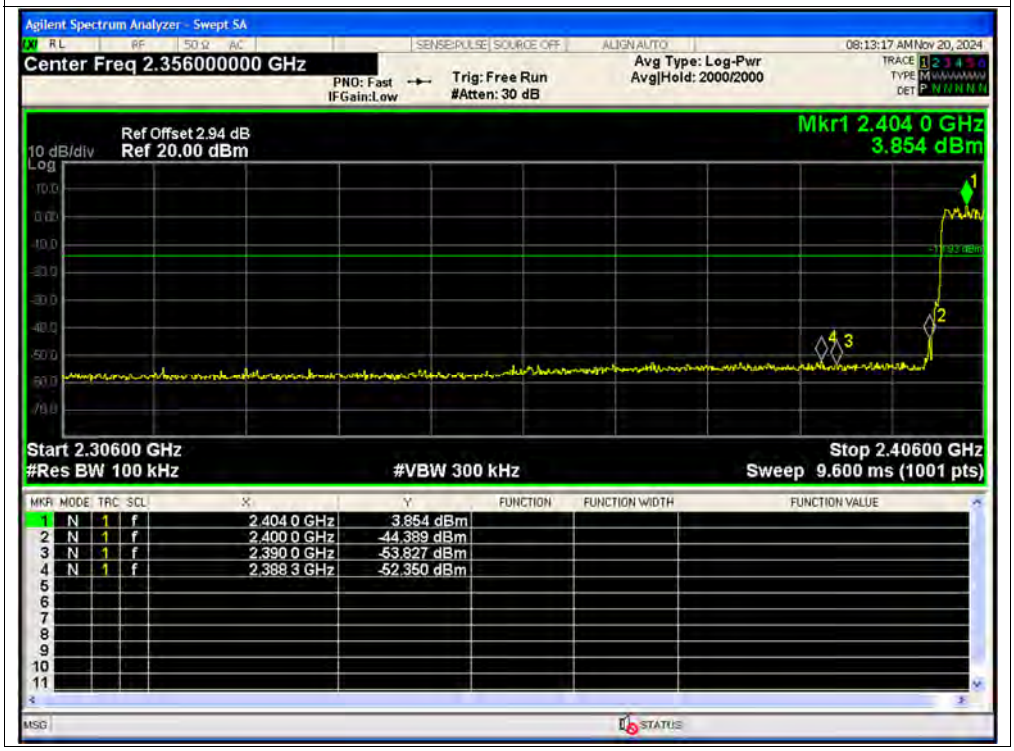
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

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



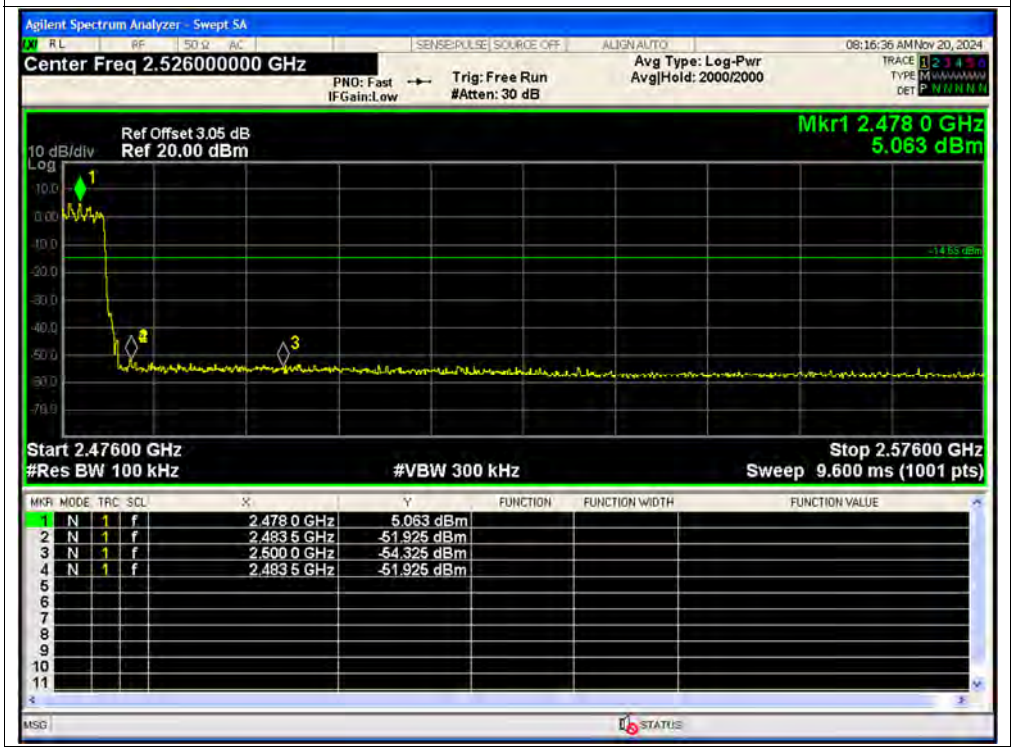
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

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



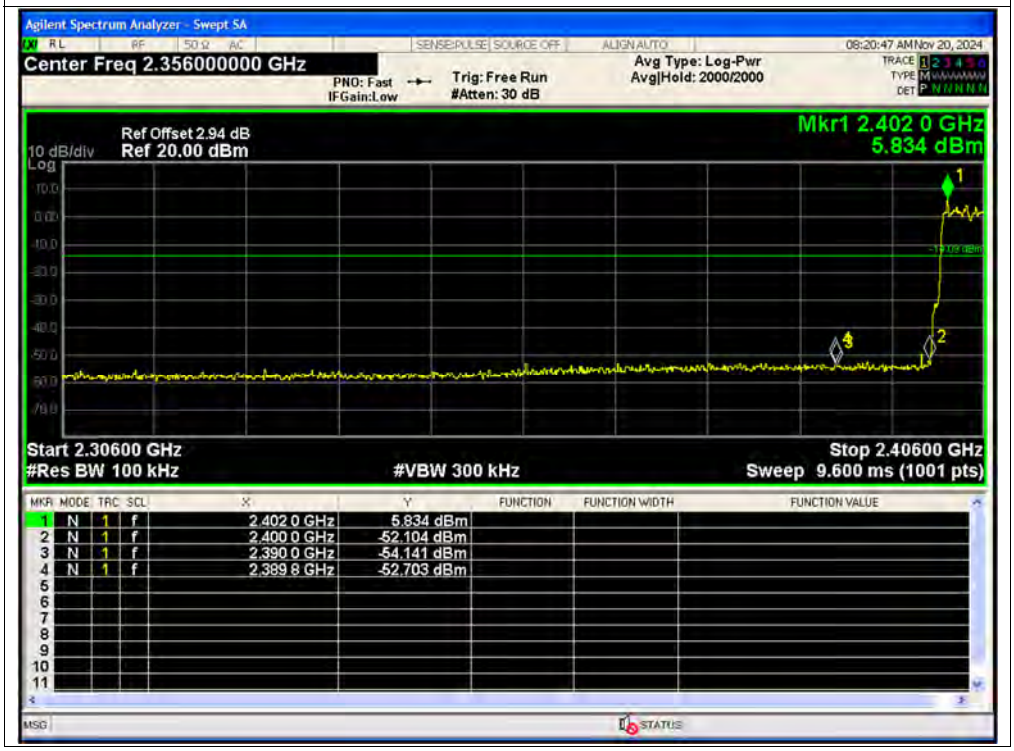
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

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



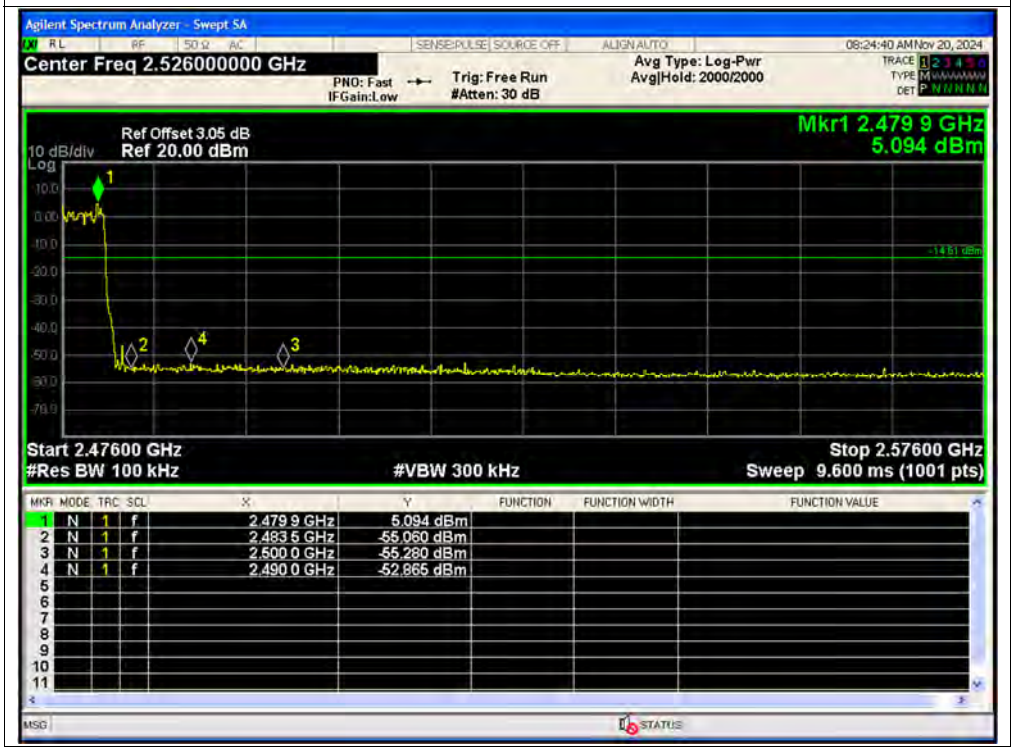
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

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



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 + Uncoupling Plate + PC + PC Adapter + BT TX

Test voltage: AC 120V/60Hz

The measurement results are obtained as below:

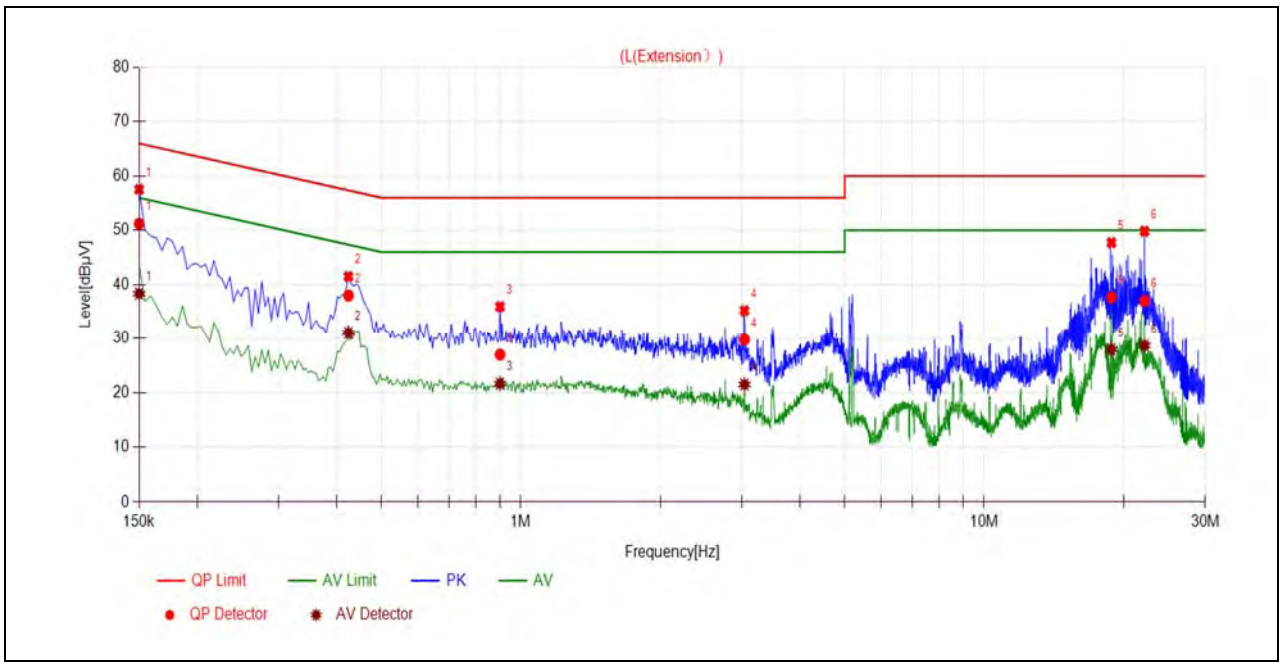
$E\ [dB\mu V] = U_R + L_{Cable\ loss}\ [dB] + A_{Factor}$

U_R: Receiver Reading

A_{Factor}: Voltage division factor of LISN

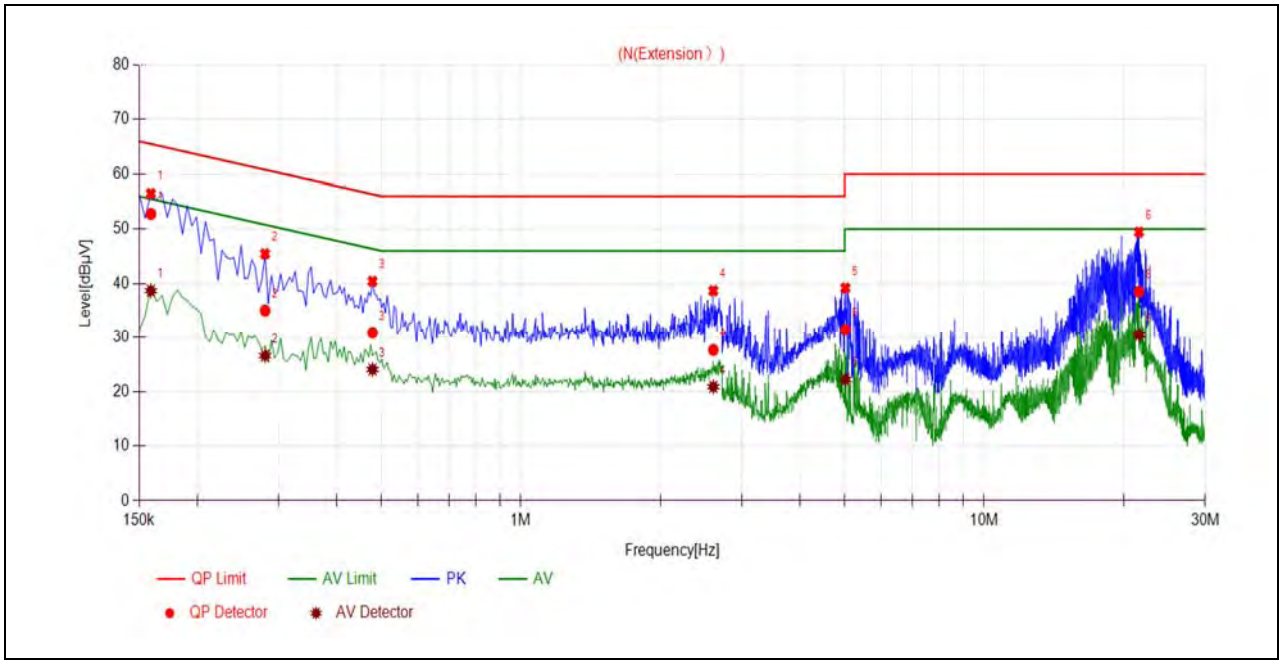
B. Test Plot:

Left



(L Phase)

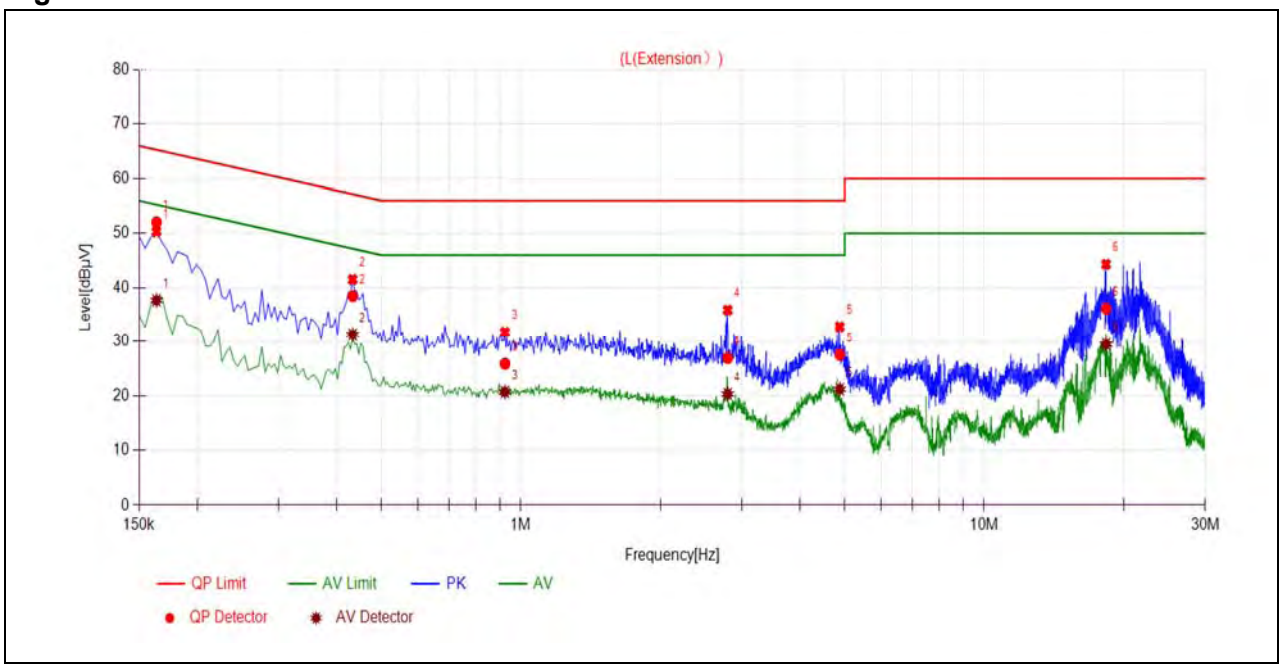
No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1500	51.22	38.34	66.00	56.00	Line	PASS
2	0.4245	37.99	31.07	57.36	47.36		PASS
3	0.9016	26.98	21.63	56.00	46.00		PASS
4	3.0388	29.75	21.47	56.00	46.00		PASS
5	18.8219	37.64	27.93	60.00	50.00		PASS
6	22.1898	37.01	28.66	60.00	50.00		PASS



(N Phase)

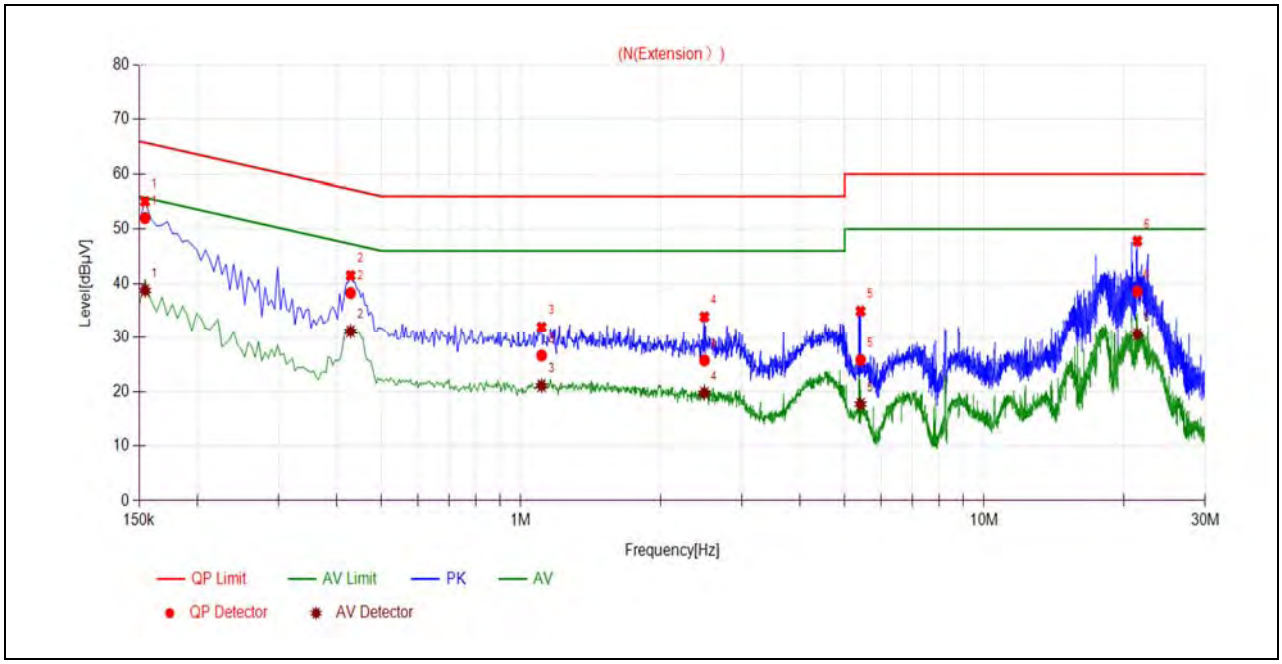
No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1590	52.77	38.70	65.52	55.52	Neutral	PASS
2	0.2805	35.03	26.59	60.80	50.80		PASS
3	0.4785	30.90	24.04	56.37	46.37		PASS
4	2.6026	27.65	20.85	56.00	46.00		PASS
5	5.0188	31.46	22.21	60.00	50.00		PASS
6	21.5849	38.52	30.45	60.00	50.00		PASS

Right



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1635	52.03	37.67	65.28	55.28	Line	PASS
2	0.4335	38.44	31.29	57.19	47.19		PASS
3	0.9240	25.86	20.66	56.00	46.00		PASS
4	2.7957	26.90	20.28	56.00	46.00		PASS
5	4.8794	27.52	21.16	56.00	46.00		PASS
6	18.3312	36.14	29.47	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1545	52.03	38.75	65.75	55.75	Neutral	PASS
2	0.4290	38.27	31.17	57.27	47.27		PASS
3	1.1086	26.63	21.06	56.00	46.00		PASS
4	2.4900	25.72	19.73	56.00	46.00		PASS
5	5.4105	25.80	17.67	60.00	50.00		PASS
6	21.4137	38.55	30.66	60.00	50.00		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 [dBμV/m] =U_R + A_T + A_{Factor} [dB]; A_T =$L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
A_T: Total correction Factor except Antenna
U_R: Receiver Reading
G_{preamp}: Preamplifier Gain
A_{Factor}: Antenna Factor at 3m

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition was recorded in this test report.

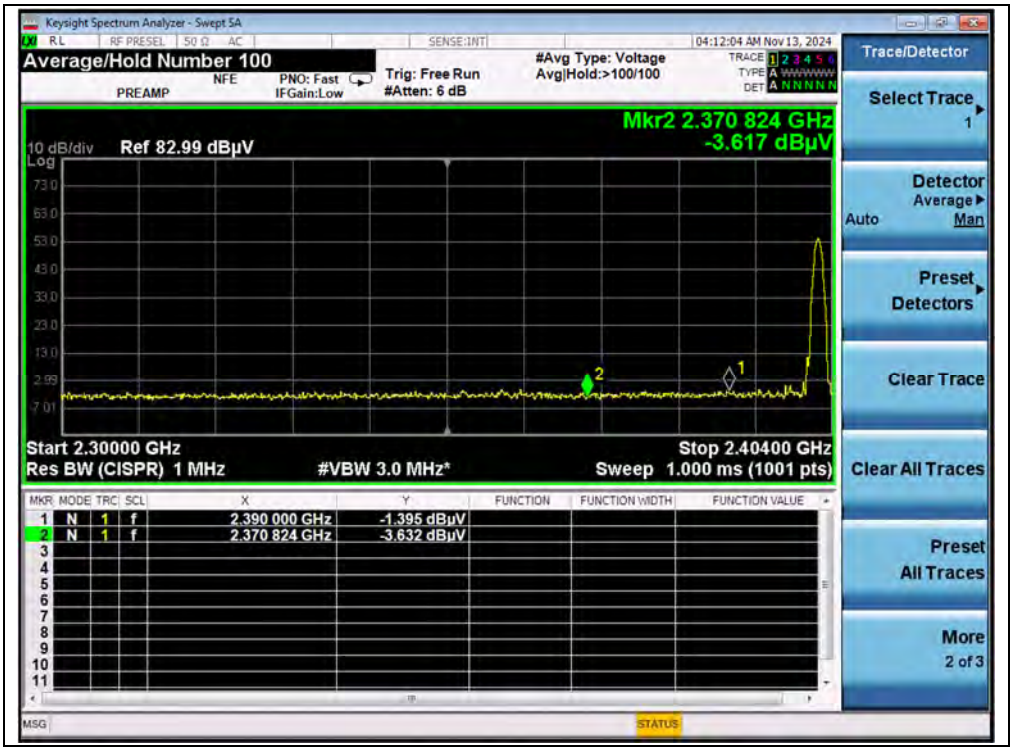
Note 2: All test modes were considered and evaluated respectively by performing full test, only the worst data were recorded.

Left

GFSK Mode

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	2389.96	PK	29.19	5.78	27.50	62.47	74	PASS
0	2390.00	AV	-1.39	5.78	27.50	31.89	54	PASS
78	2483.91	PK	19.53	5.78	27.50	52.81	74	PASS
78	2483.90	AV	-0.99	5.78	27.50	32.29	54	PASS

(PEAK, Channel 0, GFSK)



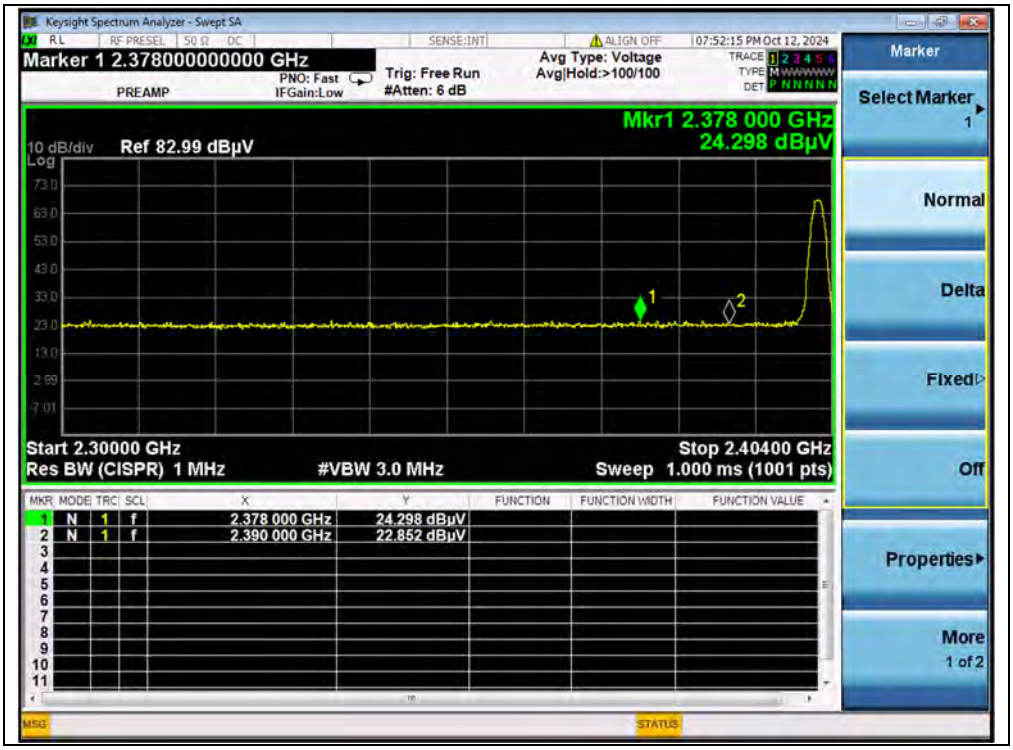
(AVERAGE, Channel 0, GFSK)

(PEAK, Channel 78, GFSK)

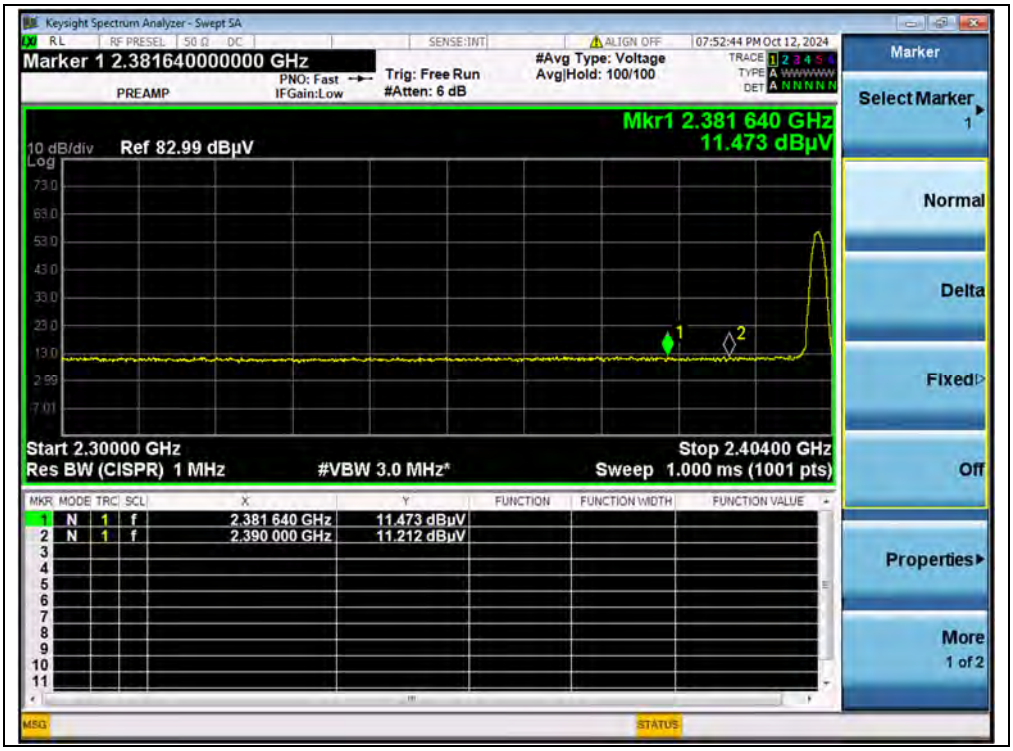
(AVERAGE, Channel 78, GFSK)

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	2378.00	PK	24.30	5.78	27.50	57.58	74	PASS
0	2381.64	AV	11.47	5.78	27.50	44.75	54	PASS
78	2484.42	PK	23.76	5.78	27.50	57.04	74	PASS
78	2483.98	AV	11.64	5.78	27.50	44.92	54	PASS

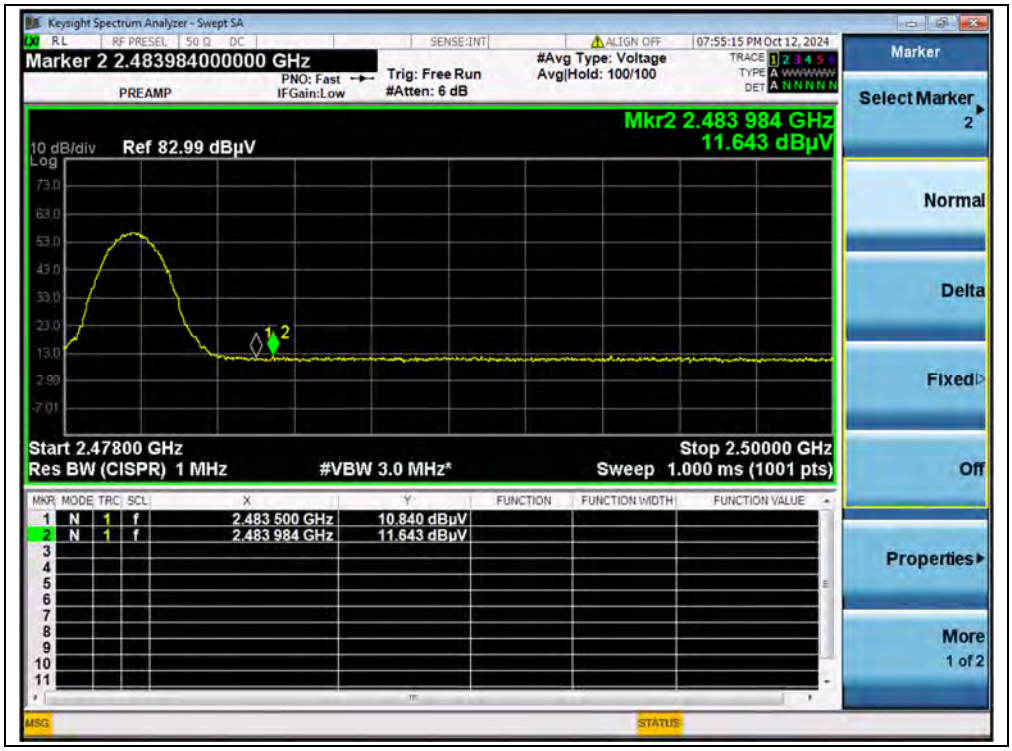


(PEAK, Channel 0, 8-DPSK)



(AVERAGE, Channel 0, 8-DPSK)

(PEAK, Channel 78, 8-DPSK)

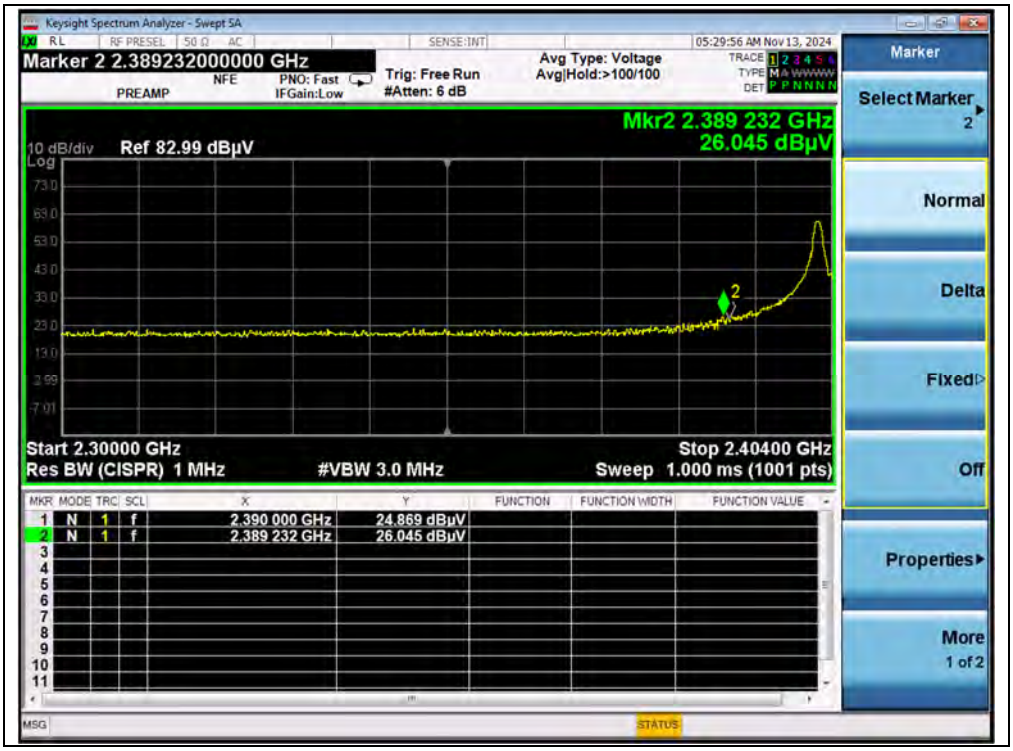


(AVERAGE, Channel 78, 8-DPSK)

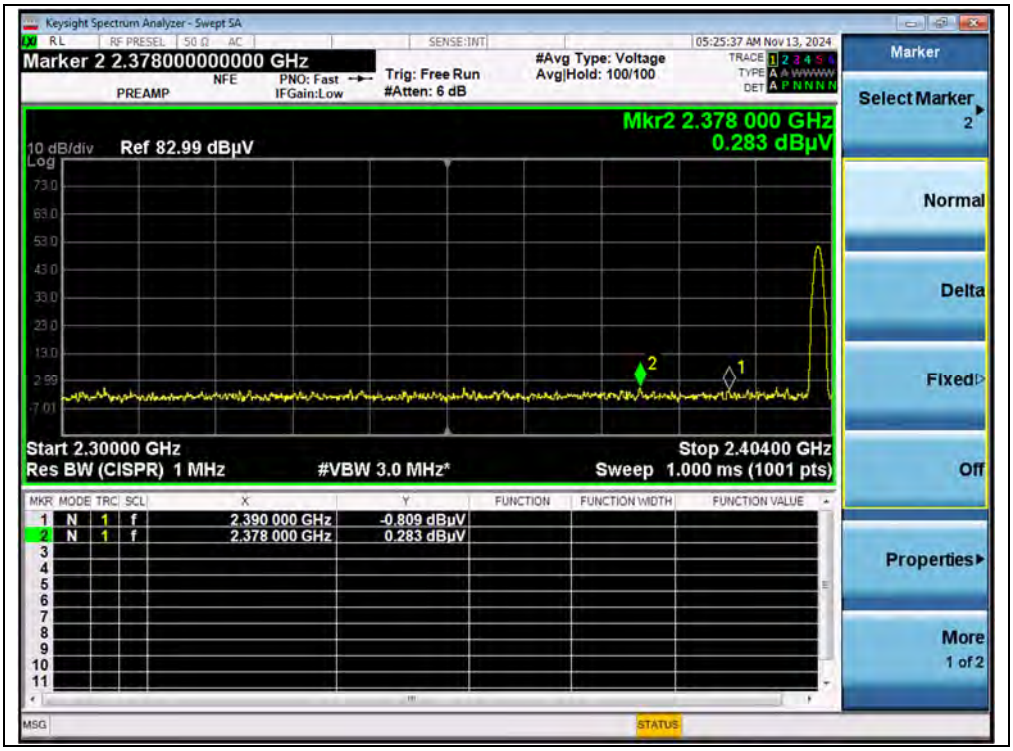
Right

GFSK Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
0	2389.23	PK	26.05	5.78	27.50	59.33	74	PASS
0	2378.00	AV	0.28	5.78	27.50	33.56	54	PASS
78	2483.50	PK	20.18	5.78	27.50	53.46	74	PASS
78	2485.81	AV	1.54	5.78	27.50	34.82	54	PASS

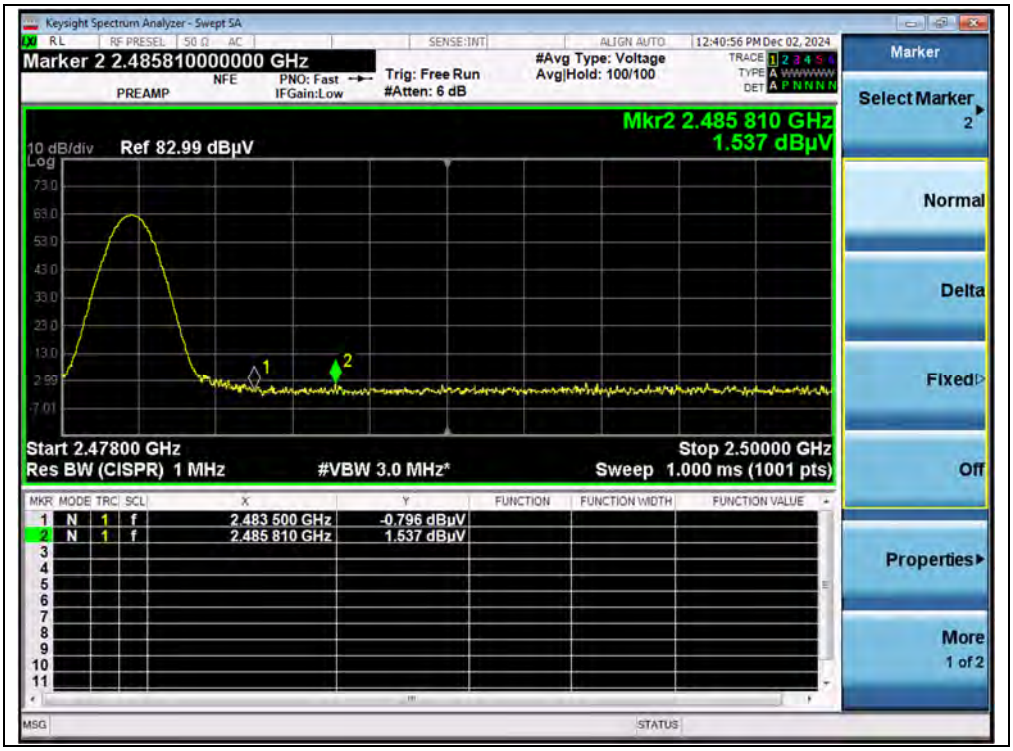


(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)

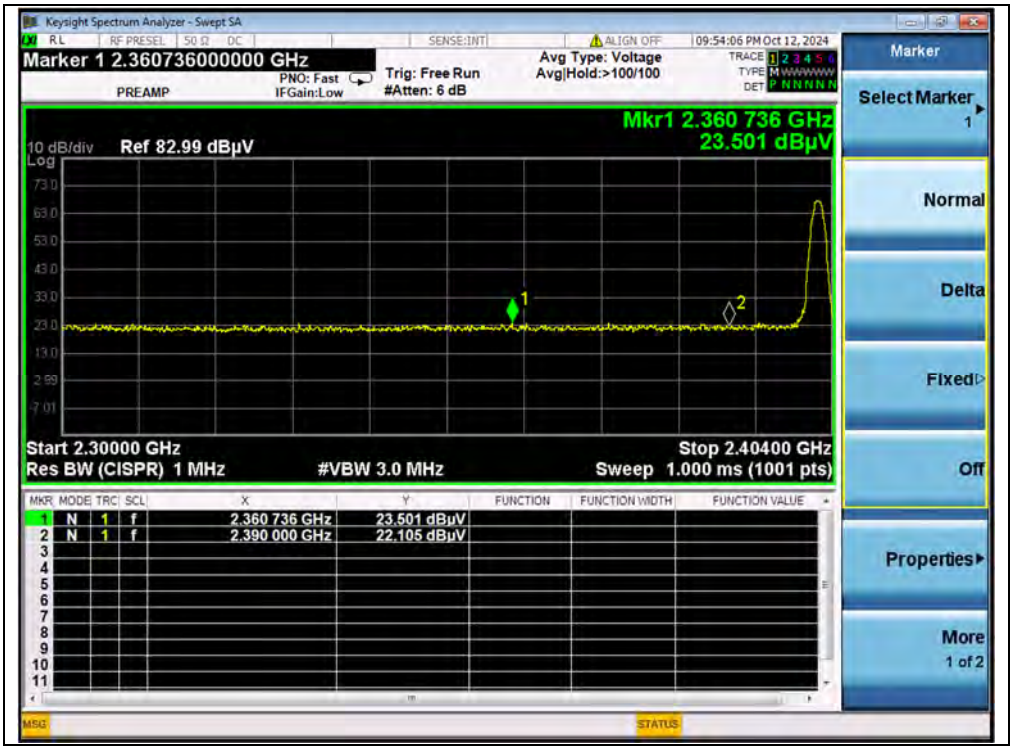
(PEAK, Channel 78, GFSK)



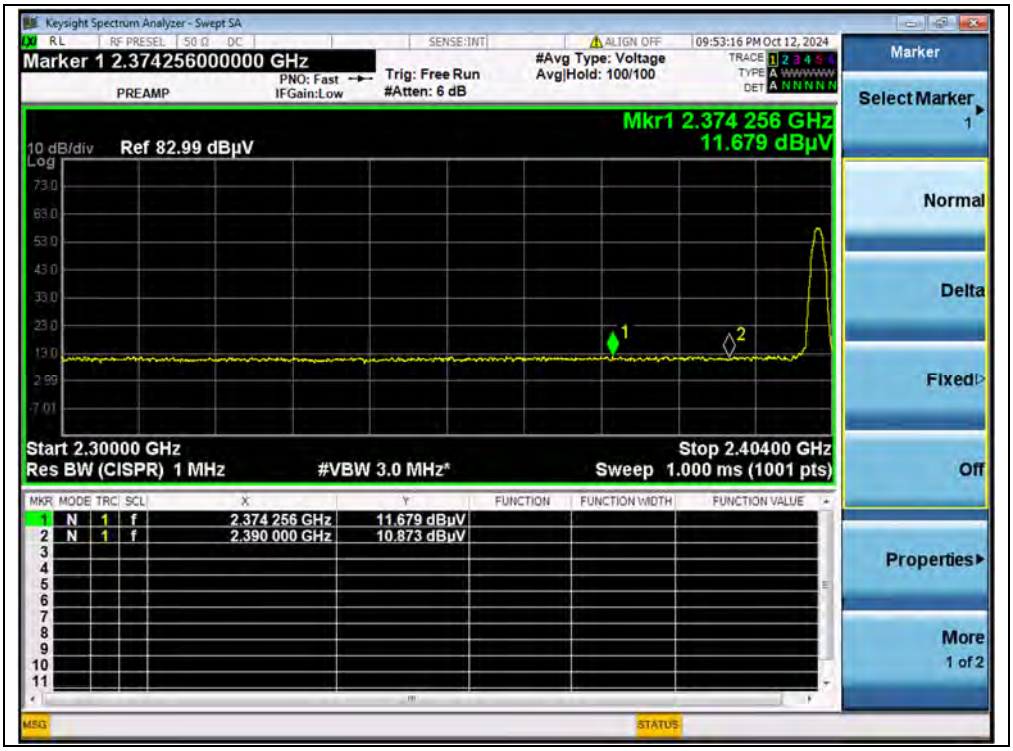
(AVERAGE, Channel 78, GFSK)

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	2360.74	PK	23.50	5.78	27.50	56.78	74	PASS
0	2374.26	AV	11.68	5.78	27.50	44.96	54	PASS
78	2485.96	PK	24.47	5.78	27.50	57.75	74	PASS
78	2483.63	AV	12.08	5.78	27.50	45.36	54	PASS

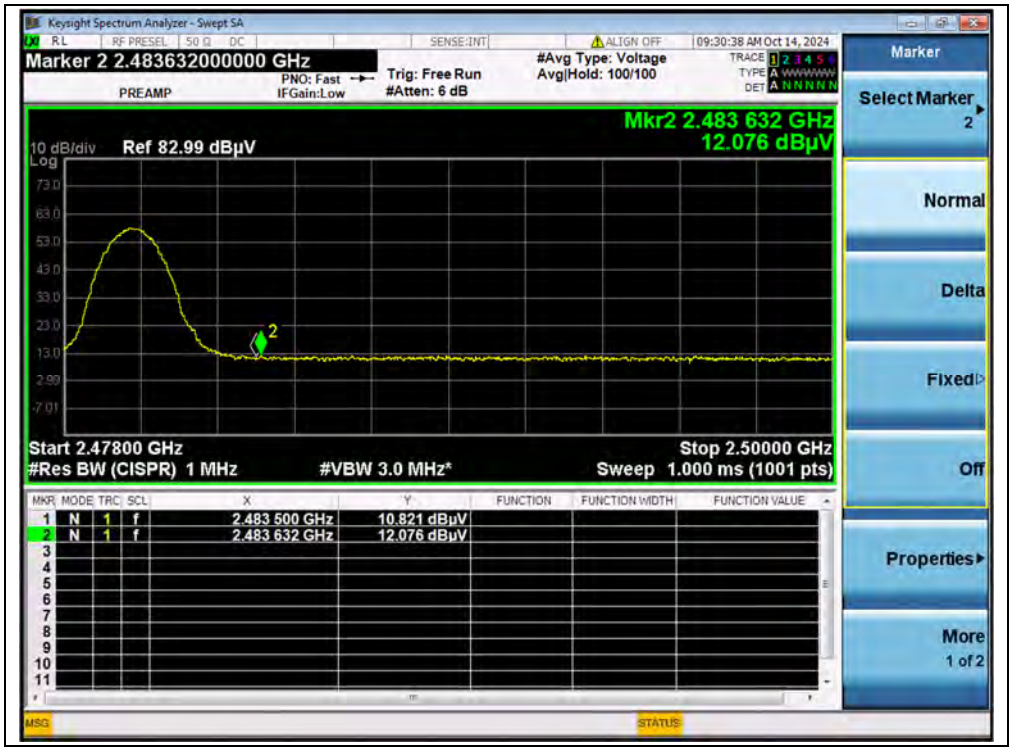


(PEAK, Channel 0, 8-DPSK)



(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:

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

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 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.

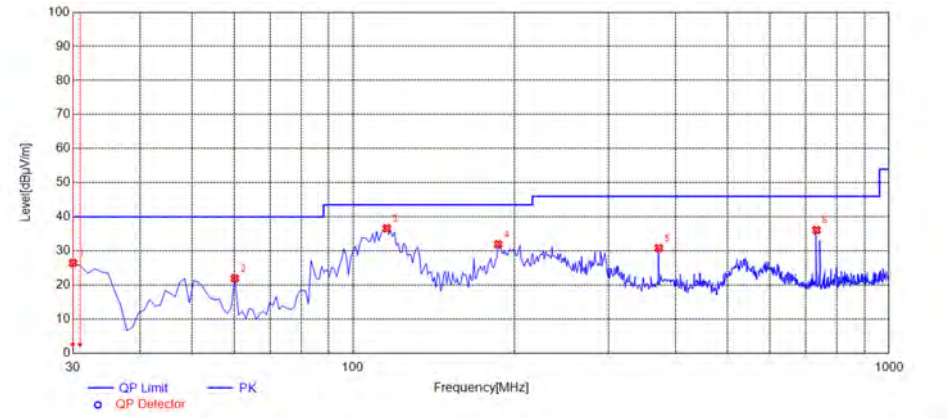
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.

Note 4: All test modes were considered and evaluated respectively by performing full test, only the worst data were recorded.

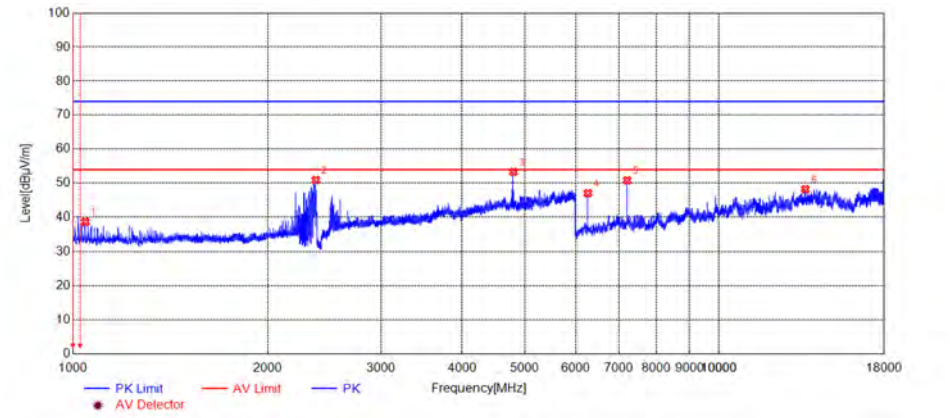
Left, GFSK Mode

Plot for Channel 0



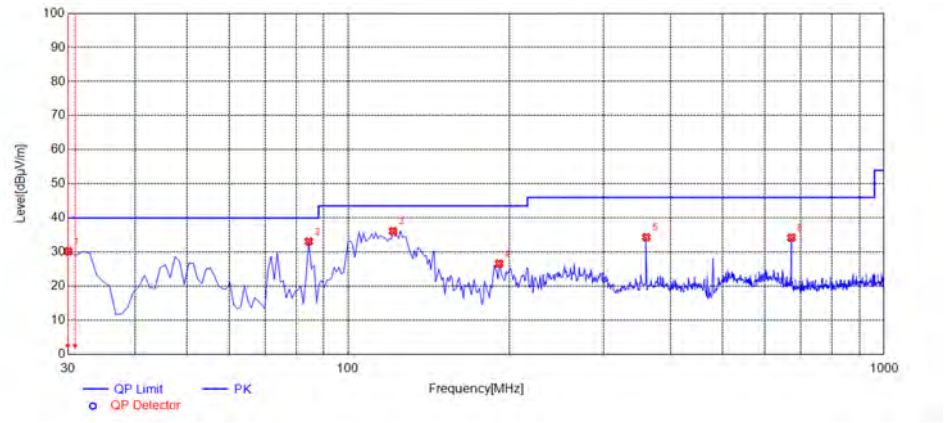
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.0000	26.47	-31.77	40.00	Horizontal	PASS
60.1001	21.96	-30.55	40.00	Horizontal	PASS
115.4454	36.64	-32.43	43.50	Horizontal	PASS
186.3263	31.98	-33.04	43.50	Horizontal	PASS
371.7818	30.86	-27.25	46.00	Horizontal	PASS
732.0120	36.14	-21.01	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



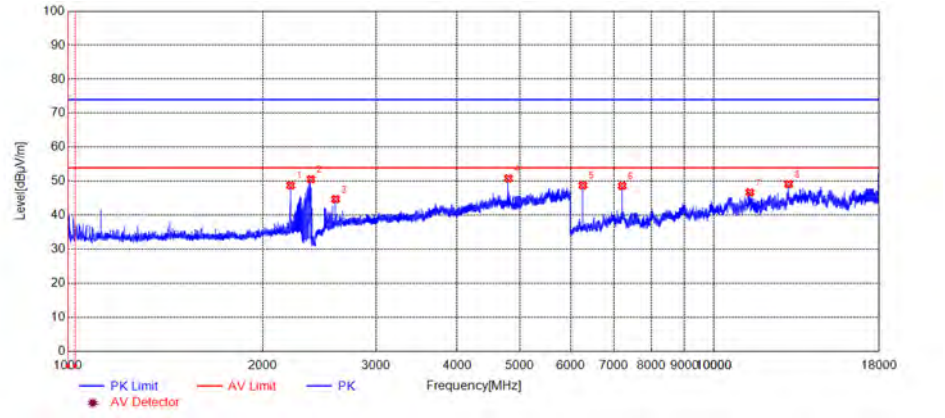
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
1044.5045	38.76	-24.14	74.00	Horizontal	PASS
2374.6375	50.93	-20.85	74.00	Horizontal	PASS
4804.3804	53.33	-11.35	74.00	Horizontal	PASS
6262.8263	47.08	-7.37	74.00	Horizontal	PASS
7206.1206	50.83	-3.86	74.00	Horizontal	PASS
13601.5602	48.22	7.57	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.0000	30.20	-31.77	40.00	Vertical	PASS
84.3744	33.14	-34.18	40.00	Vertical	PASS
121.2713	36.14	-33.43	43.50	Vertical	PASS
191.1812	26.62	-32.32	43.50	Vertical	PASS
360.1301	34.37	-27.24	46.00	Vertical	PASS
671.8118	34.25	-21.67	46.00	Vertical	PASS

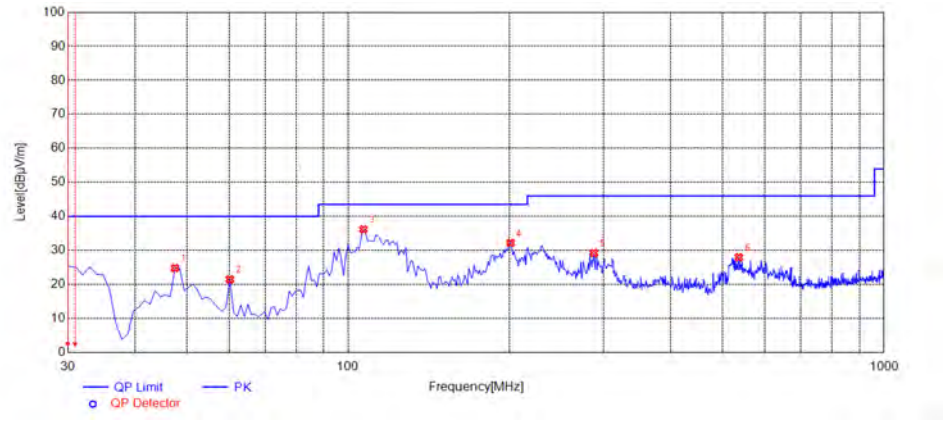
(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
2210.1210	48.80	-21.21	74.00	Vertical	PASS
2376.1376	50.59	-20.86	74.00	Vertical	PASS
2594.1594	44.76	-19.50	74.00	Vertical	PASS
4803.8804	50.84	-11.36	74.00	Vertical	PASS
6262.8263	48.82	-7.37	74.00	Vertical	PASS
7206.1206	48.68	-3.86	74.00	Vertical	PASS
11360.9361	46.74	3.66	74.00	Vertical	PASS
13042.3042	49.19	6.85	74.00	Vertical	PASS

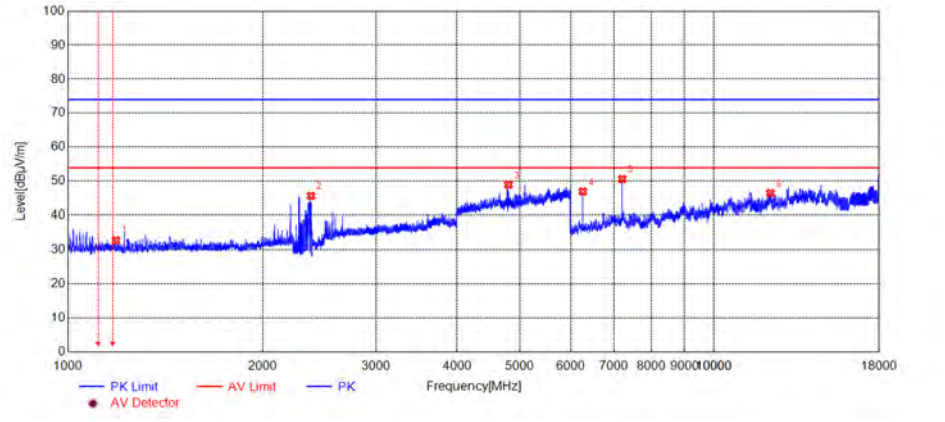
(Antenna Vertical, 1GHz to 18GHz)

Plot for Channel 39



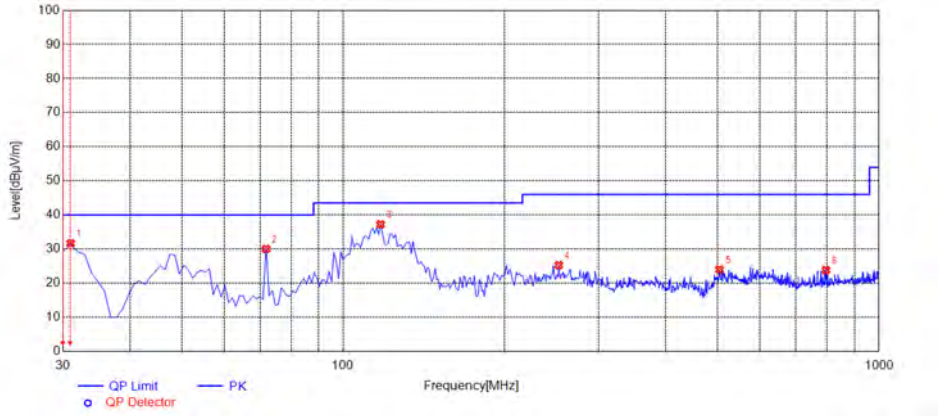
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
47.4775	24.83	-29.00	40.00	Horizontal	PASS
60.1001	21.49	-30.55	40.00	Horizontal	PASS
106.7067	36.20	-31.04	43.50	Horizontal	PASS
200.8909	32.26	-31.66	43.50	Horizontal	PASS
287.3073	29.26	-29.46	46.00	Horizontal	PASS
535.8759	27.99	-23.57	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



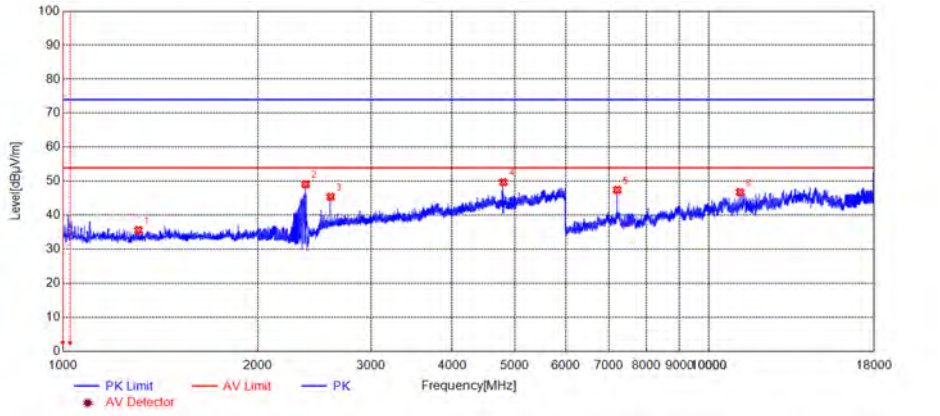
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
1185.5186	32.82	-23.89	74.00	Horizontal	PASS
2376.1376	45.71	-20.86	74.00	Horizontal	PASS
4803.8804	48.99	-11.36	74.00	Horizontal	PASS
6262.8263	46.97	-7.37	74.00	Horizontal	PASS
7206.1206	50.63	-3.86	74.00	Horizontal	PASS
12222.6223	46.55	4.54	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.9710	31.72	-32.94	40.00	Vertical	PASS
71.7518	30.03	-33.75	40.00	Vertical	PASS
117.3874	37.26	-32.46	43.50	Vertical	PASS
252.3524	25.30	-30.34	46.00	Vertical	PASS
503.8338	24.02	-24.27	46.00	Vertical	PASS
796.0961	23.82	-20.21	46.00	Vertical	PASS

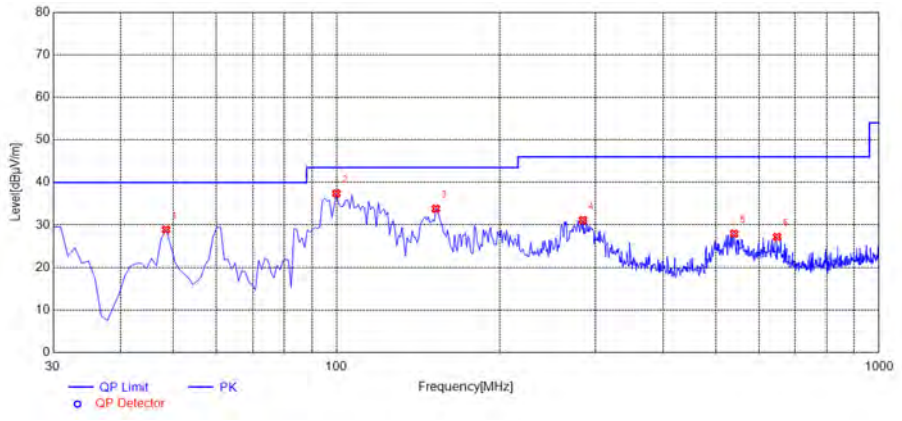
(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
1307.5308	35.63	-23.94	74.00	Vertical	PASS
2373.6374	49.10	-20.84	74.00	Vertical	PASS
2594.1594	45.43	-19.50	74.00	Vertical	PASS
4803.8804	49.73	-11.36	74.00	Vertical	PASS
7206.1206	47.45	-3.86	74.00	Vertical	PASS
11166.5167	46.78	2.93	74.00	Vertical	PASS

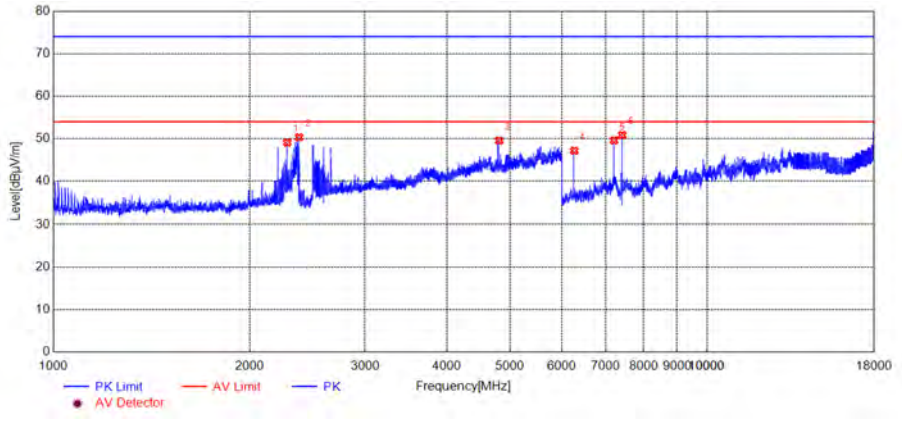
(Antenna Vertical, 1GHz to 18GHz)

Plot for Channel 78



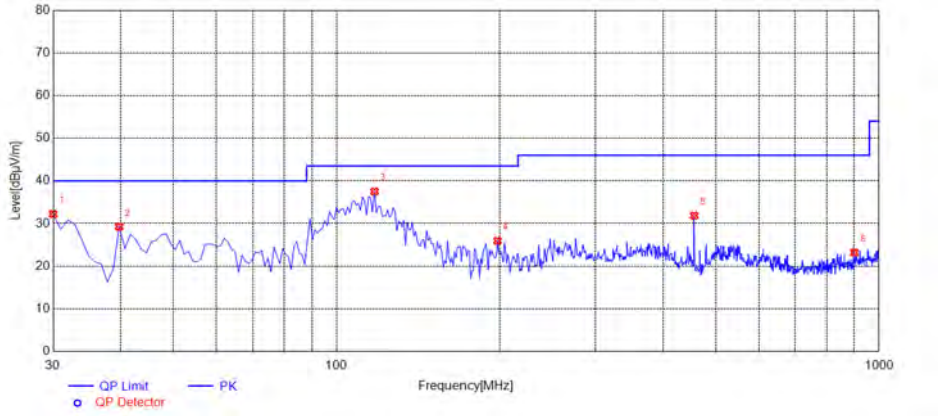
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
48.4484	28.90	-28.90	40.00	Horizontal	PASS
99.9099	37.40	-31.27	43.50	Horizontal	PASS
152.3423	33.80	-35.07	43.50	Horizontal	PASS
284.3944	31.16	-29.51	46.00	Horizontal	PASS
540.7307	27.97	-23.36	46.00	Horizontal	PASS
648.5085	27.19	-21.53	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



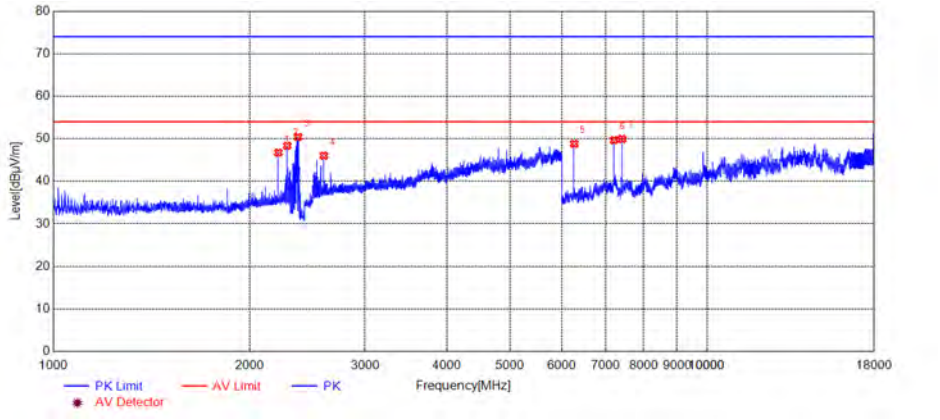
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
2280.6281	49.09	-21.32	74.00	Horizontal	PASS
2377.1377	50.34	-20.86	74.00	Horizontal	PASS
4808.3808	49.56	-11.33	74.00	Horizontal	PASS
6262.8263	47.17	-7.37	74.00	Horizontal	PASS
7206.1206	49.60	-3.86	74.00	Horizontal	PASS
7414.9415	50.86	-4.75	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.0000	32.21	-31.77	40.00	Vertical	PASS
39.7097	29.26	-31.29	40.00	Vertical	PASS
117.3874	37.50	-32.46	43.50	Vertical	PASS
197.9780	25.95	-32.06	43.50	Vertical	PASS
456.2563	31.85	-25.36	46.00	Vertical	PASS
900.9610	23.21	-19.07	46.00	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)

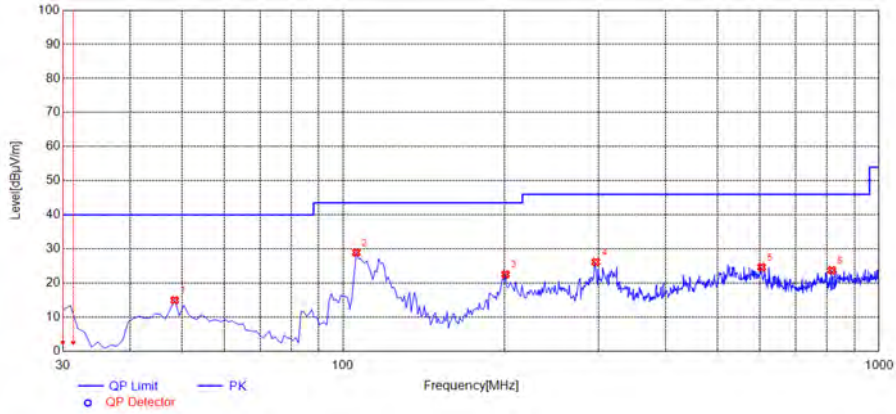


Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
2209.6210	46.75	-21.22	74.00	Vertical	PASS
2280.1280	48.35	-21.32	74.00	Vertical	PASS
2369.6370	50.42	-20.81	74.00	Vertical	PASS
2594.1594	46.03	-19.50	74.00	Vertical	PASS
6262.8263	48.82	-7.37	74.00	Vertical	PASS
7206.1206	49.66	-3.86	74.00	Vertical	PASS
7414.9415	49.96	-4.75	74.00	Vertical	PASS

(Antenna Vertical, 1GHz to 18GHz)

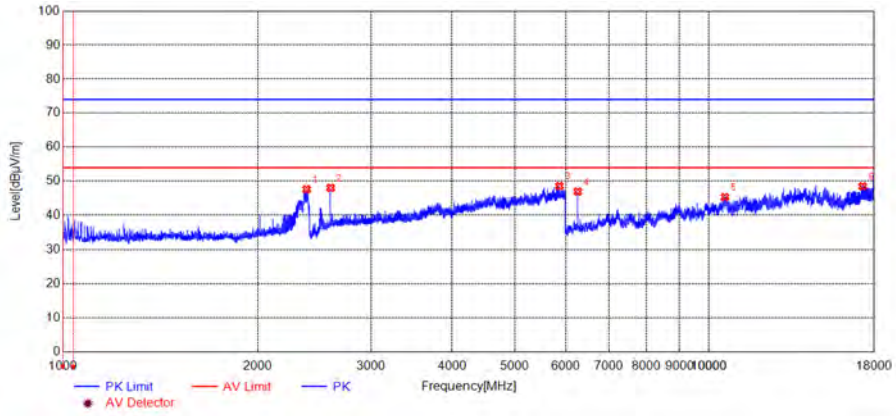
Right, GFSK Mode

Plot for Channel 0



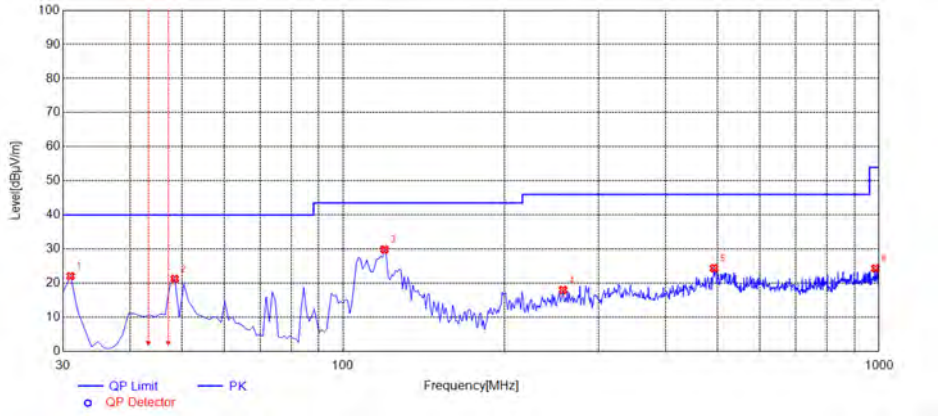
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
48.4484	14.99	-28.90	40.00	Horizontal	PASS
105.7357	28.97	-30.93	43.50	Horizontal	PASS
200.8909	22.56	-31.66	43.50	Horizontal	PASS
296.0460	26.19	-29.20	46.00	Horizontal	PASS
603.8438	24.69	-22.06	46.00	Horizontal	PASS
816.4865	23.78	-20.09	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



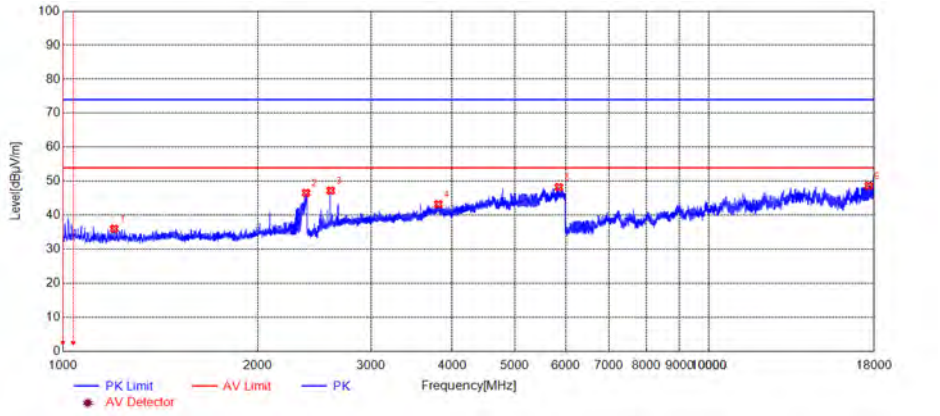
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
2381.1381	47.61	-20.89	74.00	Horizontal	PASS
2594.1594	48.04	-19.50	74.00	Horizontal	PASS
5865.4865	48.59	-8.01	74.00	Horizontal	PASS
6262.8263	46.95	-7.37	74.00	Horizontal	PASS
10582.0582	45.33	2.23	74.00	Horizontal	PASS
17285.9286	48.51	7.82	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.9710	22.10	-32.94	40.00	Vertical	PASS
48.4484	21.26	-28.90	40.00	Vertical	PASS
119.3293	29.90	-32.96	43.50	Vertical	PASS
257.2072	18.04	-30.21	46.00	Vertical	PASS
492.1822	24.43	-24.35	46.00	Vertical	PASS
984.4645	24.33	-18.46	54.00	Vertical	PASS

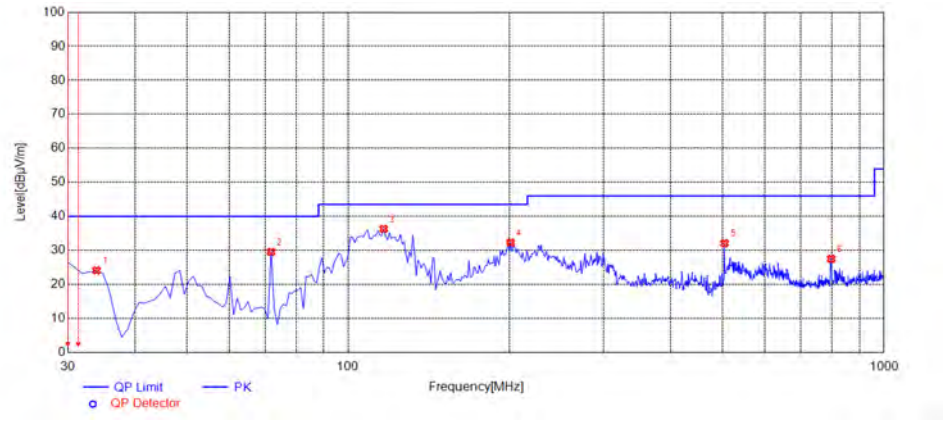
(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
1199.5200	36.07	-24.02	74.00	Vertical	PASS
2376.6377	46.59	-20.86	74.00	Vertical	PASS
2594.1594	47.28	-19.50	74.00	Vertical	PASS
3808.2808	43.29	-14.98	74.00	Vertical	PASS
5852.4852	48.27	-7.93	74.00	Vertical	PASS
17659.1659	48.72	9.17	74.00	Vertical	PASS

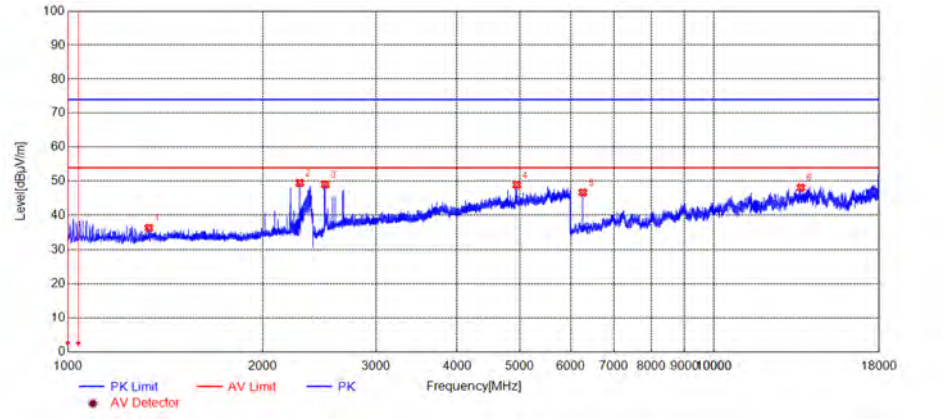
(Antenna Vertical, 1GHz to 18GHz)

Plot for Channel 39



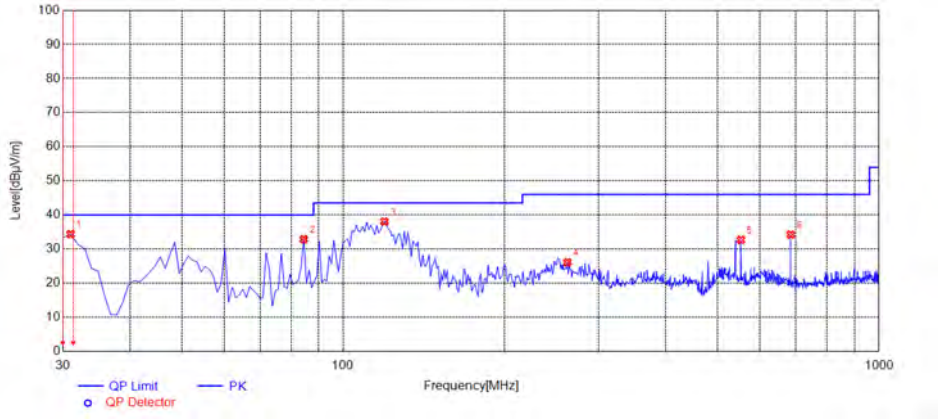
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
33.8839	24.12	-38.23	40.00	Horizontal	PASS
71.7518	29.56	-33.75	40.00	Horizontal	PASS
116.4164	36.33	-32.49	43.50	Horizontal	PASS
200.8909	32.33	-31.66	43.50	Horizontal	PASS
503.8338	32.13	-24.27	46.00	Horizontal	PASS
797.0671	27.56	-20.23	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



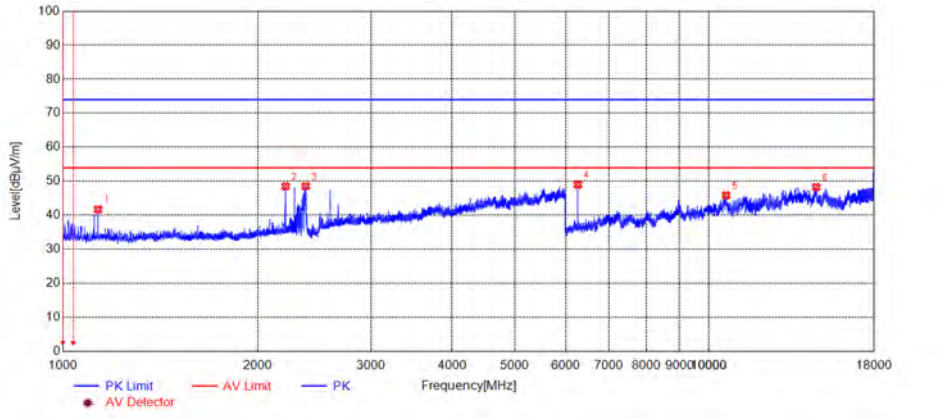
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
1333.5334	36.46	-23.65	74.00	Horizontal	PASS
2283.1283	49.52	-21.35	74.00	Horizontal	PASS
2499.6500	49.06	-20.31	74.00	Horizontal	PASS
4949.3949	48.91	-10.80	74.00	Horizontal	PASS
6262.8263	46.68	-7.37	74.00	Horizontal	PASS
13625.5626	48.13	6.19	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.9710	34.37	-32.94	40.00	Vertical	PASS
84.3744	32.92	-34.18	40.00	Vertical	PASS
119.3293	38.07	-32.96	43.50	Vertical	PASS
262.0621	26.16	-30.13	46.00	Vertical	PASS
552.3824	32.70	-23.30	46.00	Vertical	PASS
684.4344	34.27	-21.63	46.00	Vertical	PASS

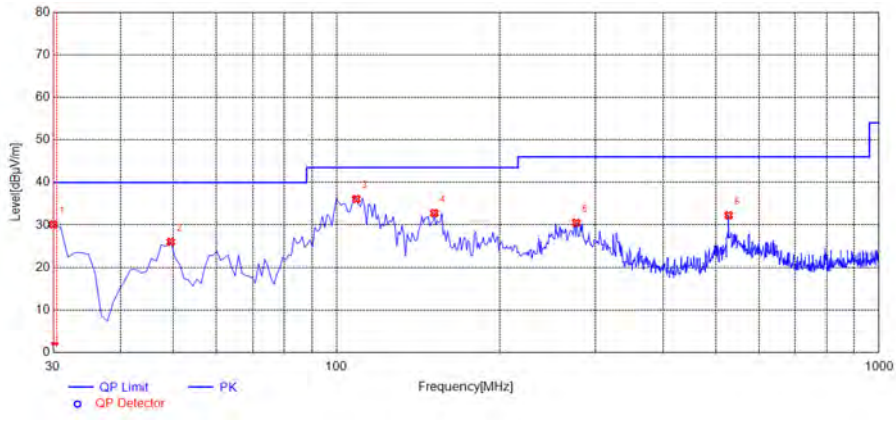
(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
1132.5133	41.74	-23.85	74.00	Vertical	PASS
2210.1210	48.52	-21.21	74.00	Vertical	PASS
2374.1374	48.55	-20.84	74.00	Vertical	PASS
6262.8263	49.04	-7.37	74.00	Vertical	PASS
10627.6628	45.88	2.41	74.00	Vertical	PASS
14649.2649	48.27	7.82	74.00	Vertical	PASS

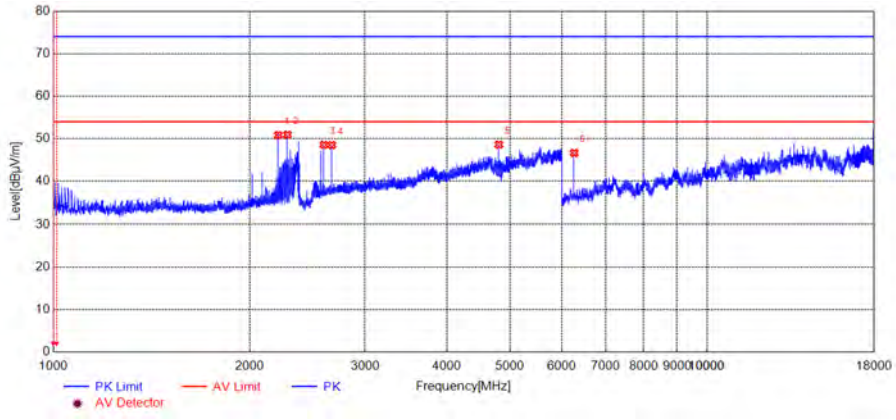
(Antenna Vertical, 1GHz to 18GHz)

Plot for Channel 78



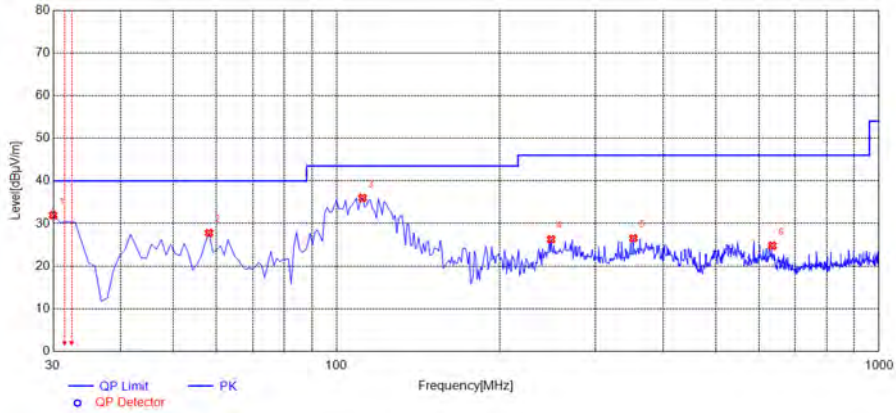
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.0000	30.11	-31.77	40.00	Horizontal	PASS
49.4194	26.02	-28.89	40.00	Horizontal	PASS
108.6486	36.10	-31.41	43.50	Horizontal	PASS
151.3714	32.79	-35.14	43.50	Horizontal	PASS
276.6266	30.54	-29.81	46.00	Horizontal	PASS
528.1081	32.28	-23.69	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



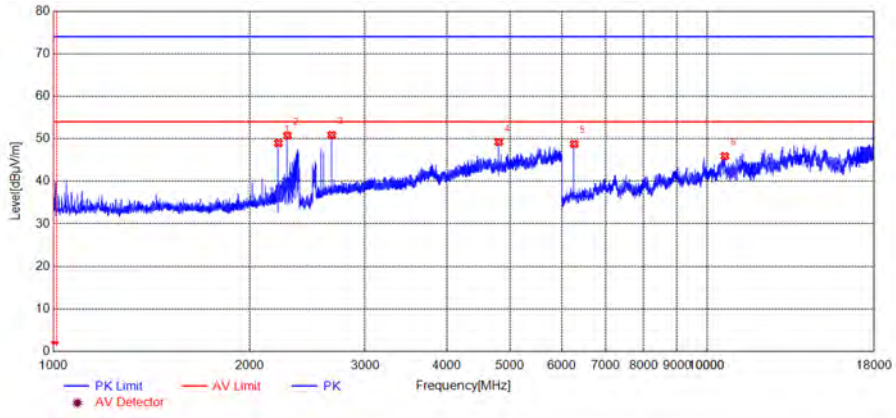
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
2209.6210	50.84	-21.22	74.00	Horizontal	PASS
2282.6283	50.95	-21.34	74.00	Horizontal	PASS
2594.1594	48.57	-19.50	74.00	Horizontal	PASS
2667.6668	48.52	-19.16	74.00	Horizontal	PASS
4803.8804	48.61	-11.36	74.00	Horizontal	PASS
6262.8263	46.66	-7.37	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
30.0000	31.95	-31.77	40.00	Vertical	PASS
58.1582	27.79	-30.16	40.00	Vertical	PASS
111.5616	36.03	-31.67	43.50	Vertical	PASS
248.4685	26.30	-30.46	46.00	Vertical	PASS
352.3624	26.53	-27.20	46.00	Vertical	PASS
635.8859	24.81	-21.77	46.00	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Antenna	Verdict
2210.1210	48.99	-21.21	74.00	Vertical	PASS
2283.1283	50.75	-21.35	74.00	Vertical	PASS
2666.6667	50.88	-19.16	74.00	Vertical	PASS
4803.3803	49.24	-11.36	74.00	Vertical	PASS
6262.8263	48.79	-7.37	74.00	Vertical	PASS
10643.2643	45.91	2.84	74.00	Vertical	PASS

(Antenna Vertical, 1GHz to 18GHz)

END OF REPORT