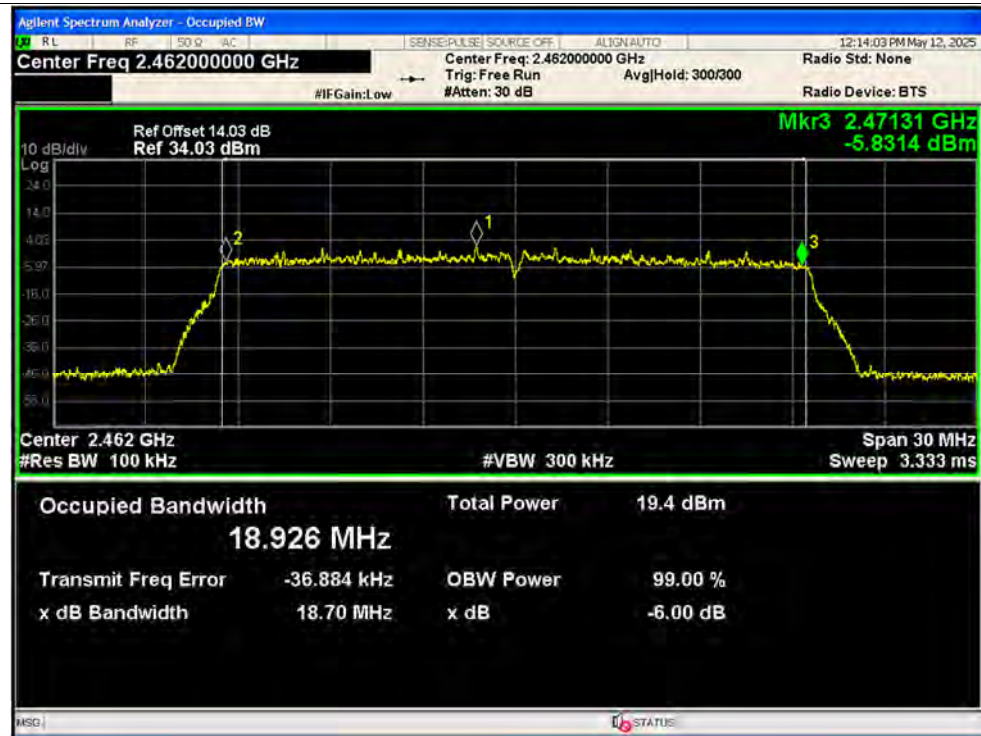
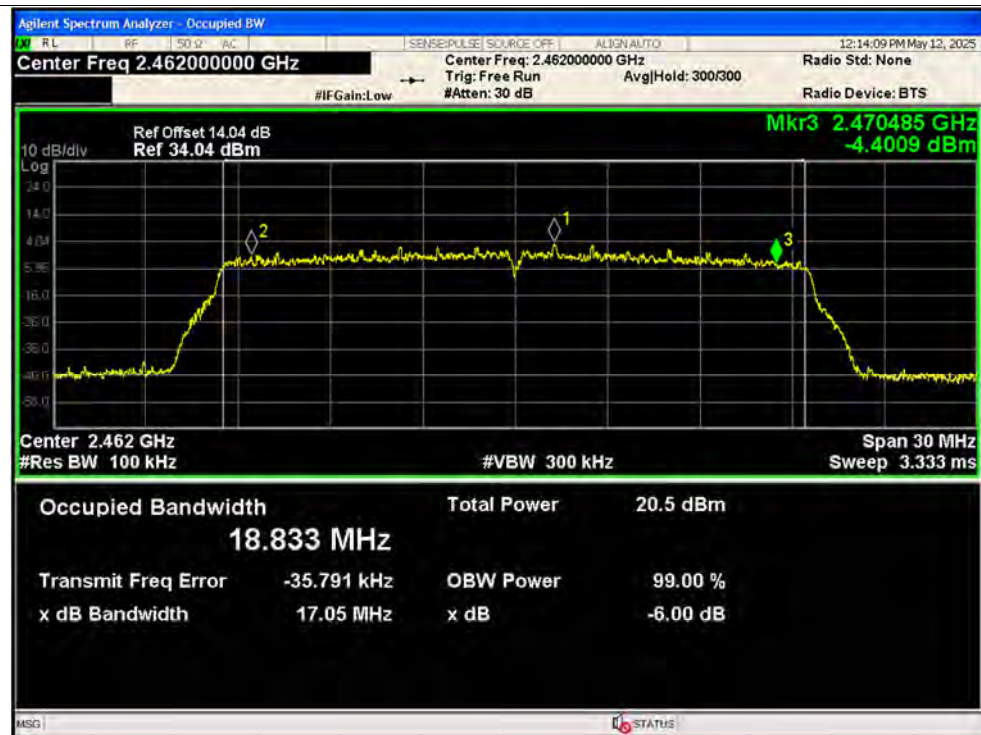


-6dB Bandwidth NVNT ax20 2462MHz Ant1 MIMO



-6dB Bandwidth NVNT ax20 2462MHz Ant2 MIMO



**A.5. Conducted Spurious Emissions**

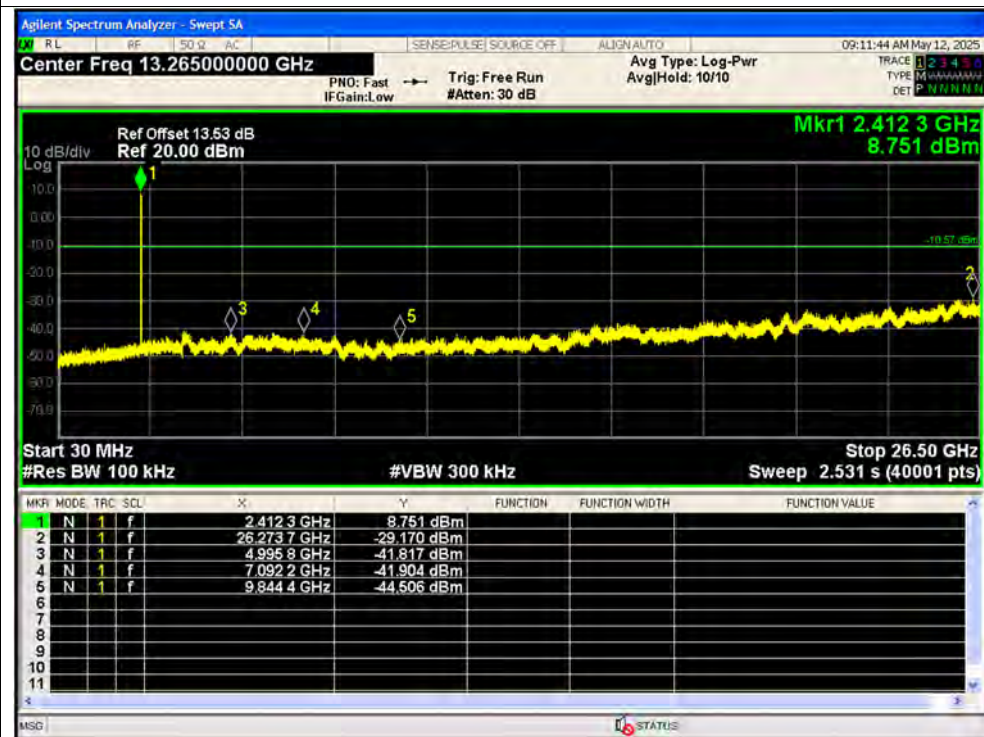
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b SISO	2412	Ant1	-38.59	-20	Pass
NVNT	b SISO	2437	Ant1	-42.23	-20	Pass
NVNT	b SISO	2462	Ant1	-36.91	-20	Pass
NVNT	b SISO	2412	Ant2	-37.88	-20	Pass
NVNT	b SISO	2437	Ant2	-45.25	-20	Pass
NVNT	b SISO	2462	Ant2	-39.61	-20	Pass
NVNT	g SISO	2412	Ant1	-34.97	-20	Pass
NVNT	g SISO	2437	Ant1	-38.18	-20	Pass
NVNT	g SISO	2462	Ant1	-34.58	-20	Pass
NVNT	g SISO	2412	Ant2	-35.35	-20	Pass
NVNT	g SISO	2437	Ant2	-41.03	-20	Pass
NVNT	g SISO	2462	Ant2	-36.49	-20	Pass
NVNT	n20 SISO	2412	Ant1	-35.43	-20	Pass
NVNT	n20 SISO	2437	Ant1	-40.33	-20	Pass
NVNT	n20 SISO	2462	Ant1	-33.73	-20	Pass
NVNT	n20 SISO	2412	Ant2	-33.84	-20	Pass
NVNT	n20 SISO	2437	Ant2	-39.96	-20	Pass
NVNT	n20 SISO	2462	Ant2	-35.13	-20	Pass
NVNT	ax20 SISO	2412	Ant1	-34.64	-20	Pass
NVNT	ax20 SISO	2437	Ant1	-40.03	-20	Pass
NVNT	ax20 SISO	2462	Ant1	-33.95	-20	Pass
NVNT	ax20 SISO	2412	Ant2	-34.41	-20	Pass
NVNT	ax20 SISO	2437	Ant2	-40.08	-20	Pass
NVNT	ax20 SISO	2462	Ant2	-36.2	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref SISO



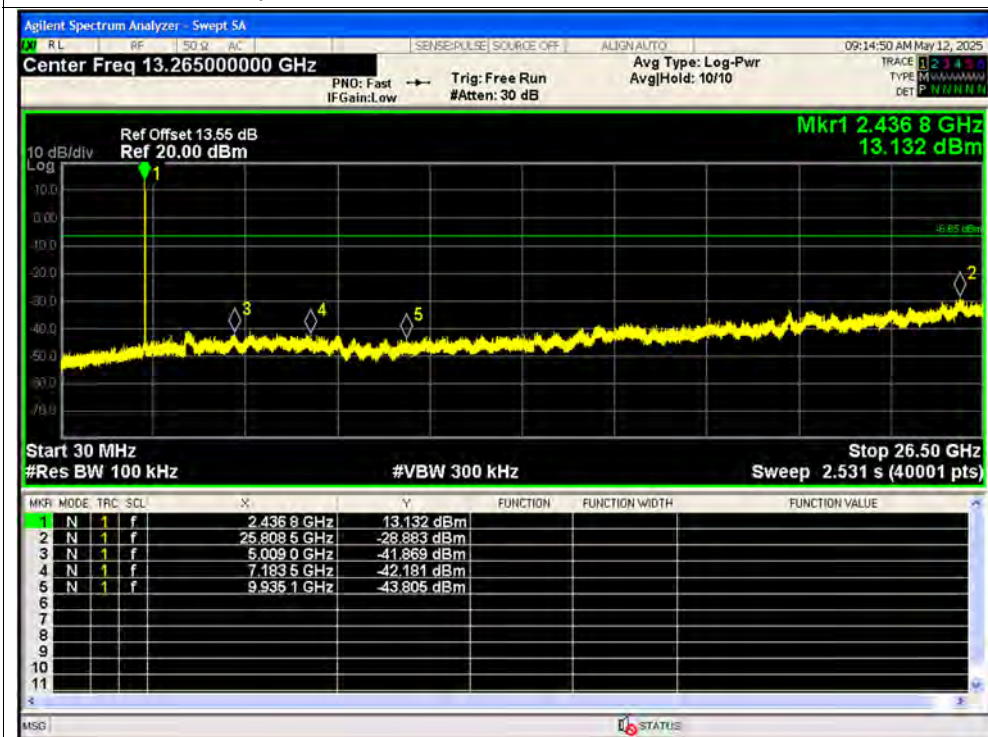
Tx. Spurious NVNT b 2412MHz Ant1 Emission SISO



Tx. Spurious NVNT b 2437MHz Ant1 Ref SISO



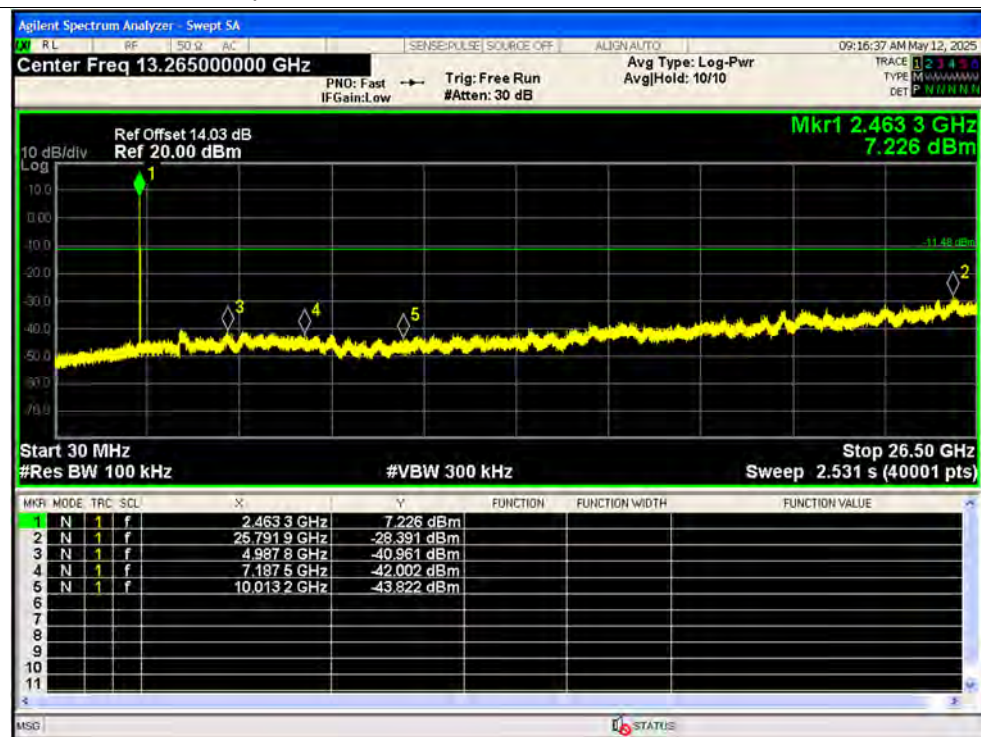
Tx. Spurious NVNT b 2437MHz Ant1 Emission SISO



Tx. Spurious NVNT b 2462MHz Ant1 Ref SISO



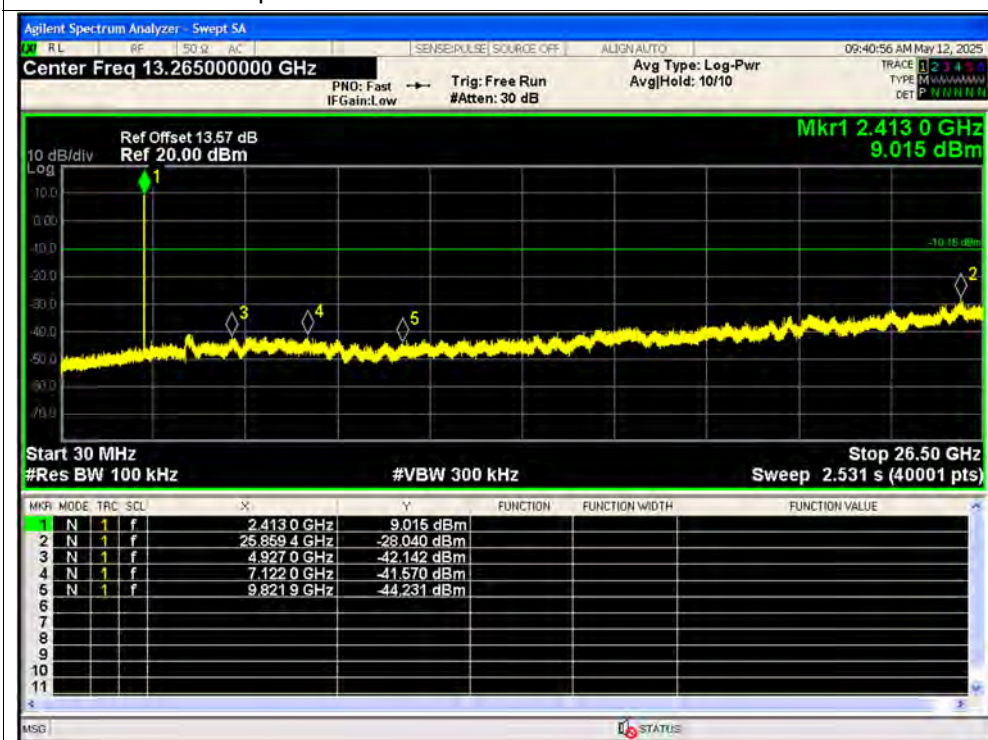
Tx. Spurious NVNT b 2462MHz Ant1 Emission SISO



Tx. Spurious NVNT b 2412MHz Ant2 Ref SISO



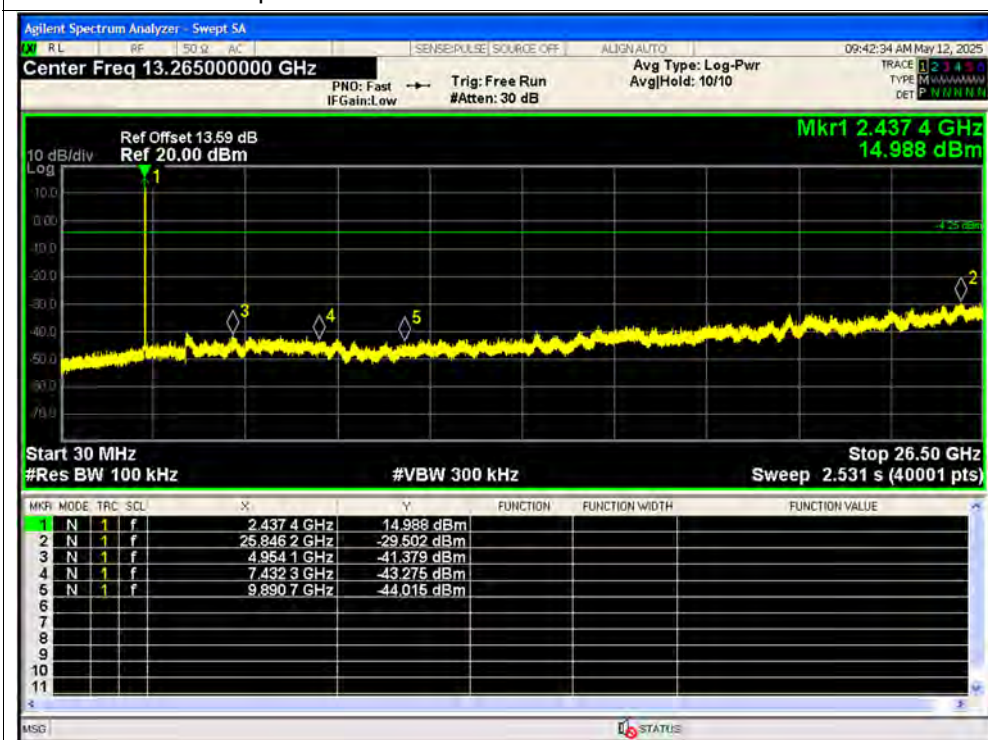
Tx. Spurious NVNT b 2412MHz Ant2 Emission SISO



Tx. Spurious NVNT b 2437MHz Ant2 Ref SISO



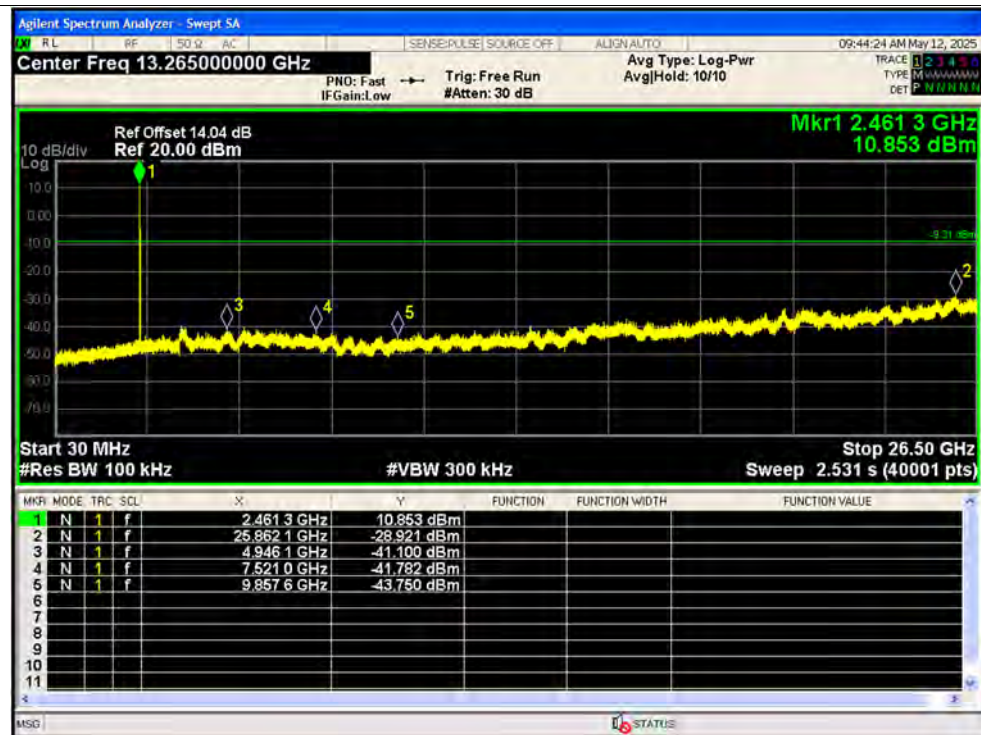
Tx. Spurious NVNT b 2437MHz Ant2 Emission SISO



Tx. Spurious NVNT b 2462MHz Ant2 Ref SISO



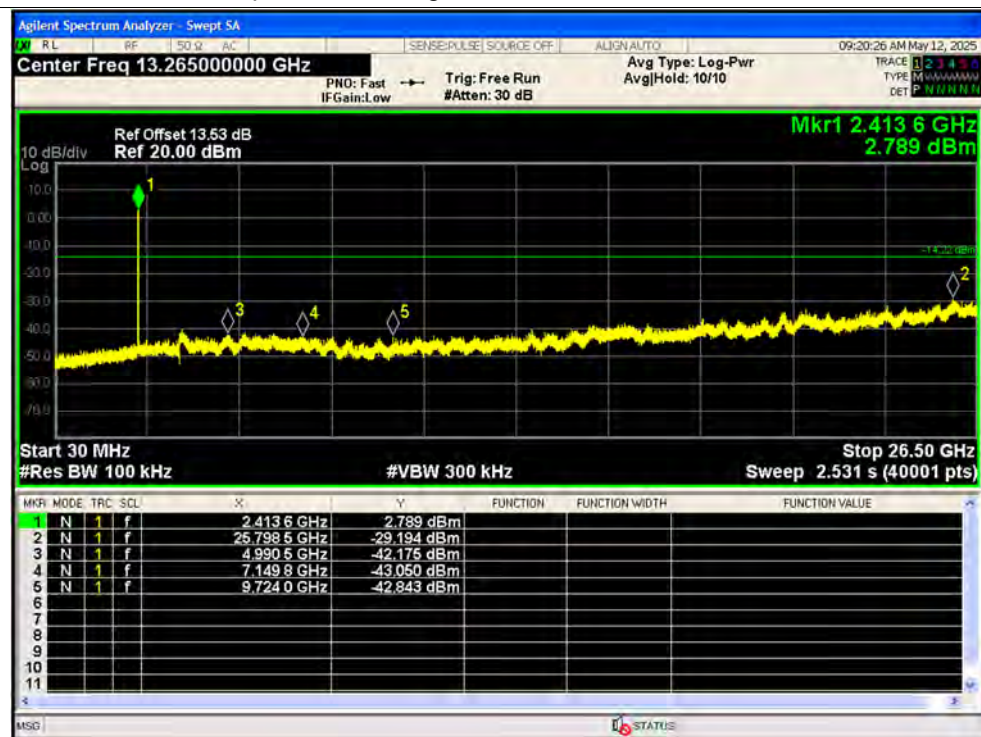
Tx. Spurious NVNT b 2462MHz Ant2 Emission SISO



Tx. Spurious NVNT g 2412MHz Ant1 Ref SISO



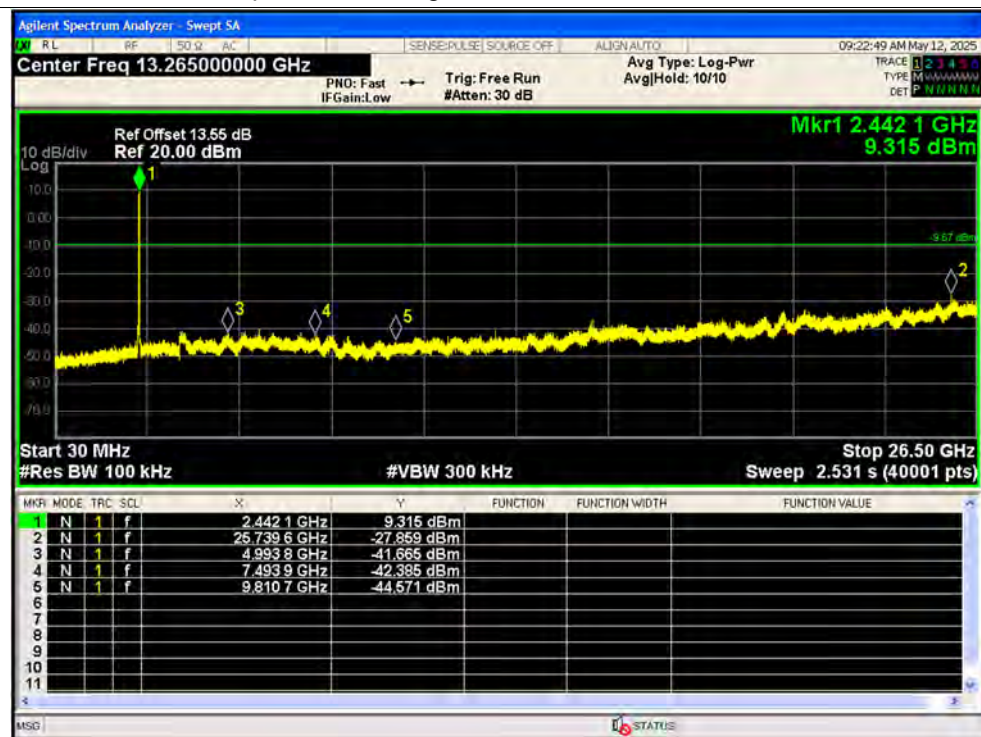
Tx. Spurious NVNT g 2412MHz Ant1 Emission SISO



Tx. Spurious NVNT g 2437MHz Ant1 Ref SISO



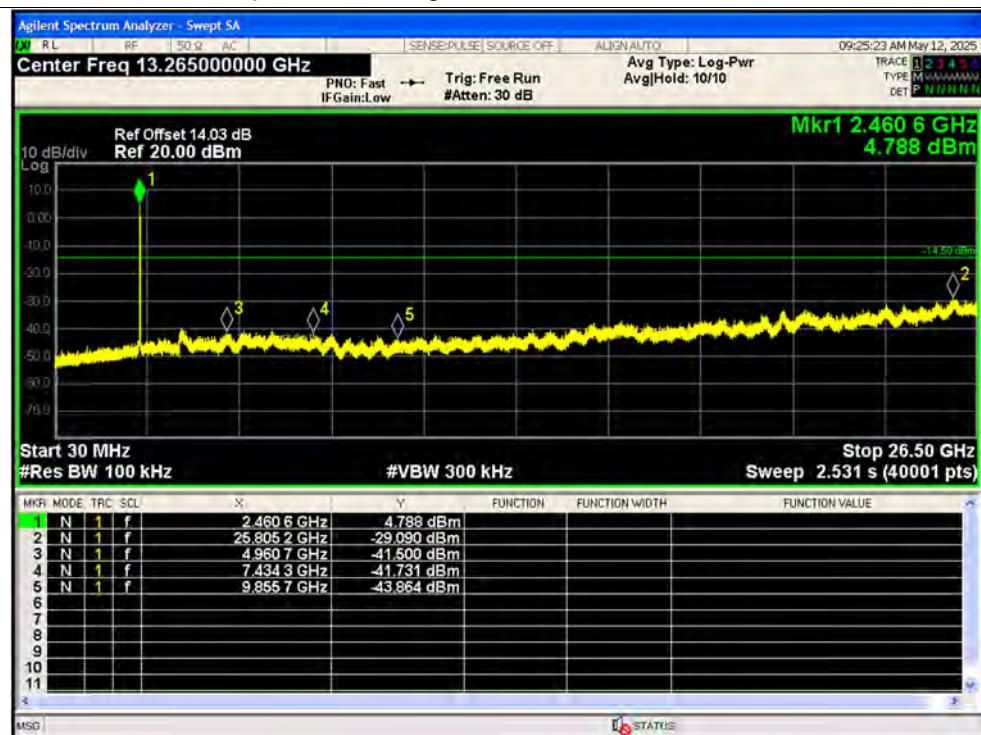
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Tx. Spurious NVNT g 2462MHz Ant1 Ref SISO



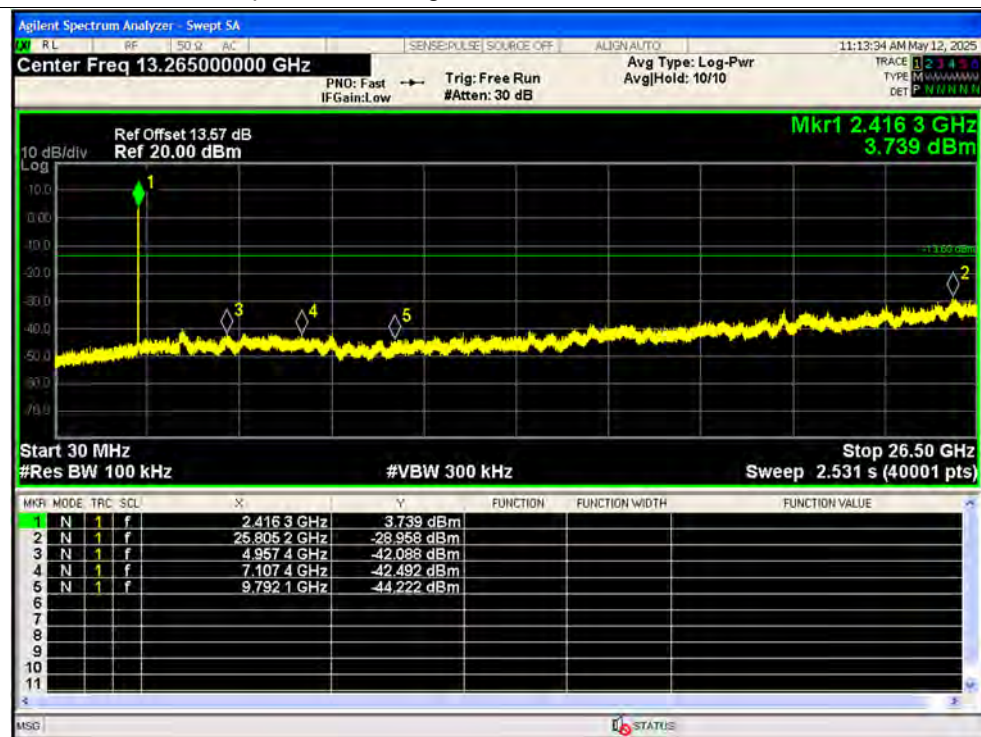
Tx. Spurious NVNT g 2462MHz Ant1 Emission SISO



Tx. Spurious NVNT g 2412MHz Ant2 Ref SISO



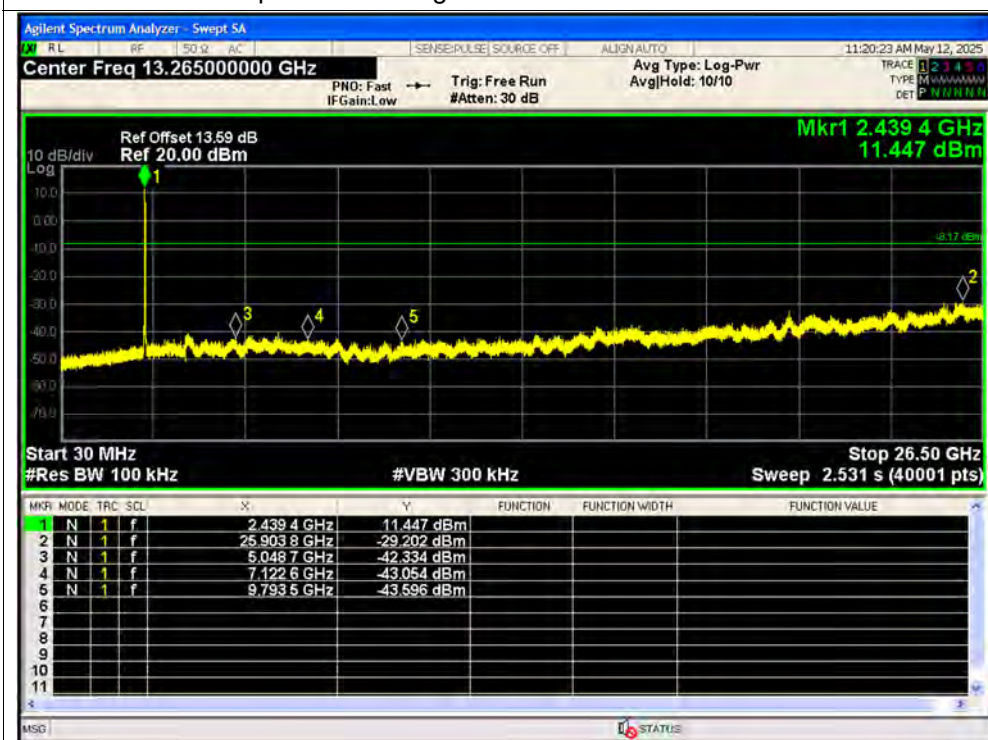
Tx. Spurious NVNT g 2412MHz Ant2 Emission SISO



Tx. Spurious NVNT g 2437MHz Ant2 Ref SISO



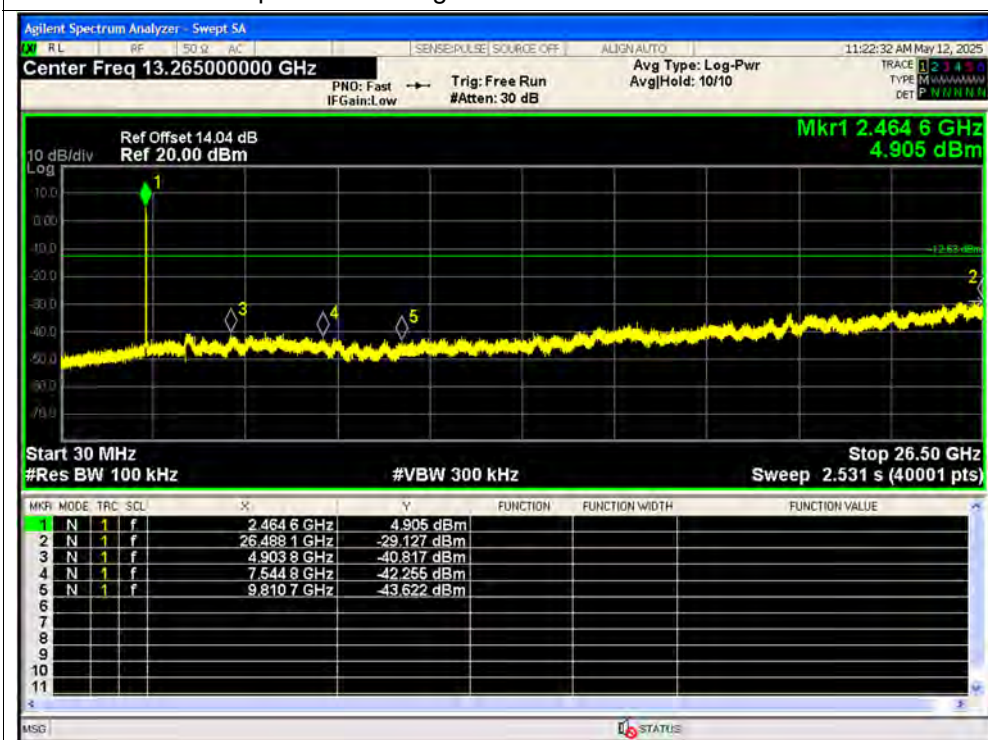
Tx. Spurious NVNT g 2437MHz Ant2 Emission SISO



Tx. Spurious NVNT g 2462MHz Ant2 Ref SISO



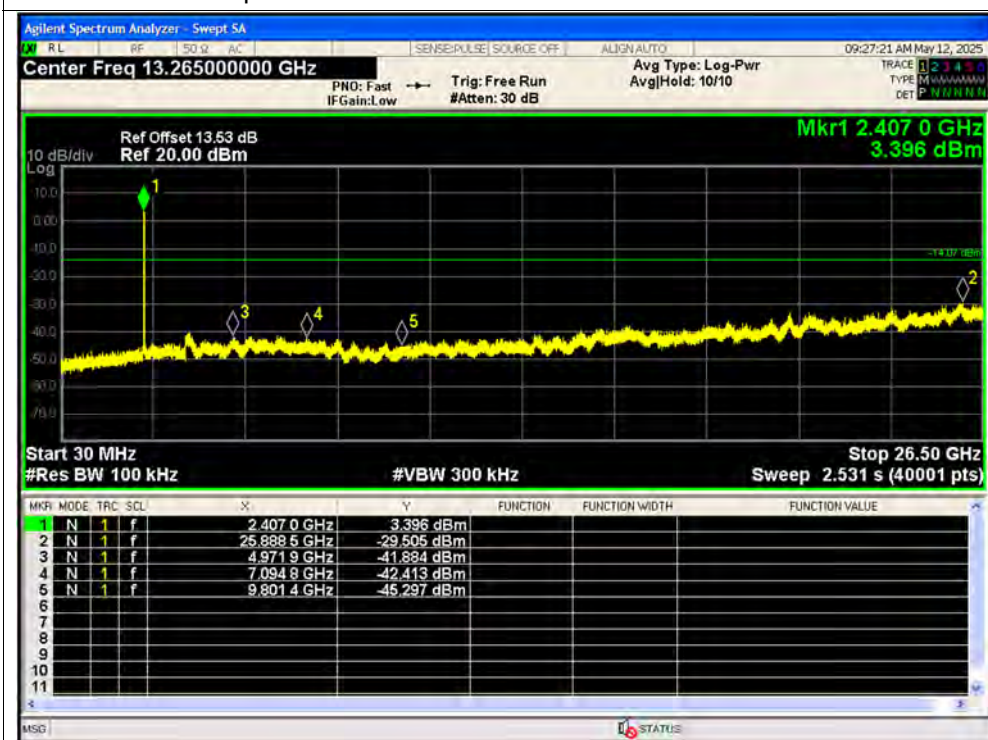
Tx. Spurious NVNT g 2462MHz Ant2 Emission SISO



Tx. Spurious NVNT n20 2412MHz Ant1 Ref SISO



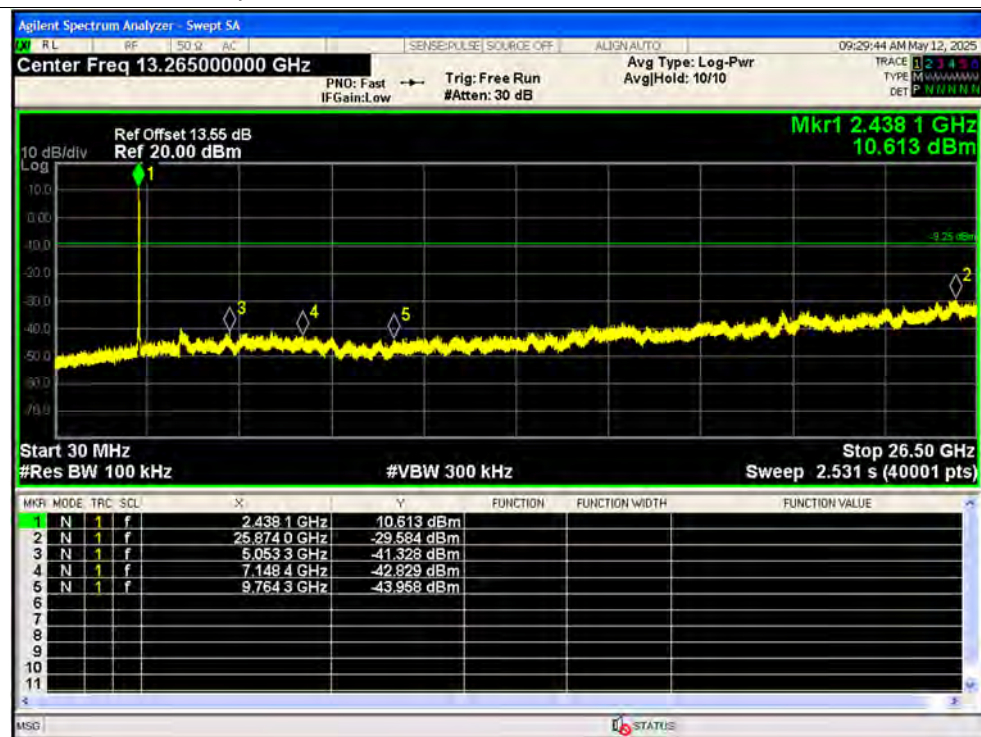
Tx. Spurious NVNT n20 2412MHz Ant1 Emission SISO



Tx. Spurious NVNT n20 2437MHz Ant1 Ref SISO



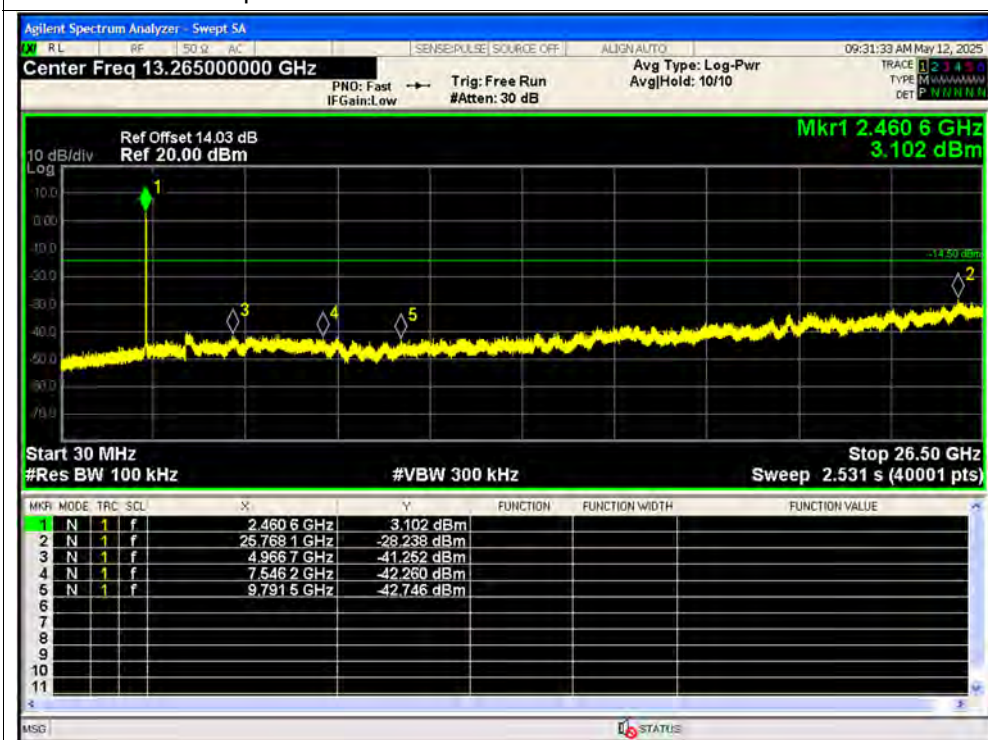
Tx. Spurious NVNT n20 2437MHz Ant1 Emission SISO



Tx. Spurious NVNT n20 2462MHz Ant1 Ref SISO



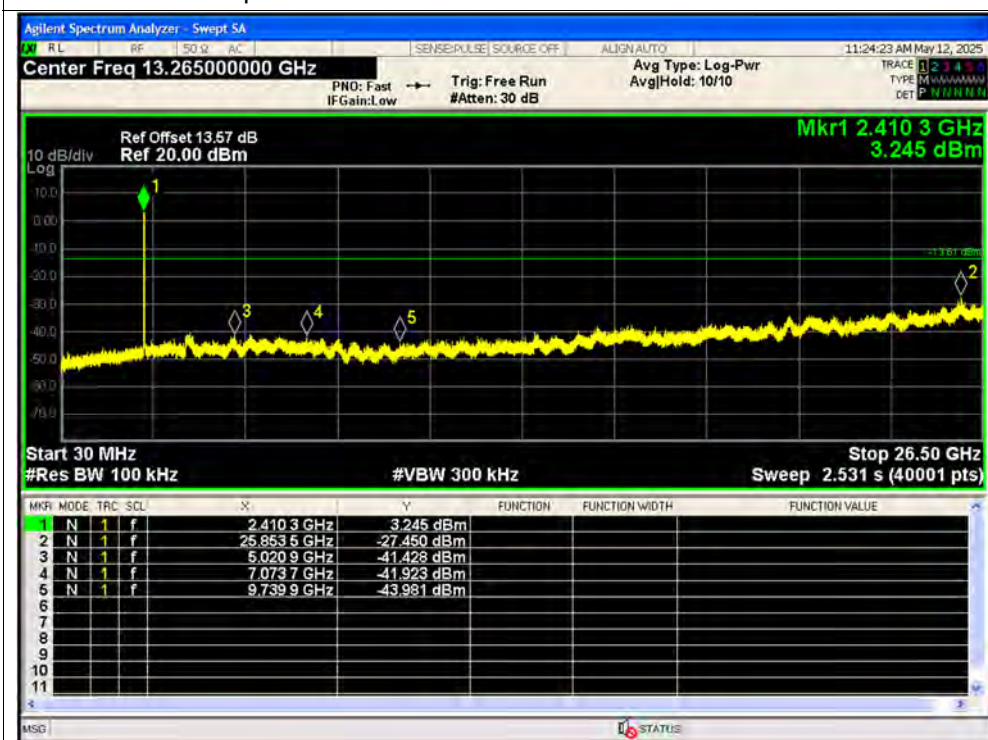
Tx. Spurious NVNT n20 2462MHz Ant1 Emission SISO



Tx. Spurious NVNT n20 2412MHz Ant2 Ref SISO



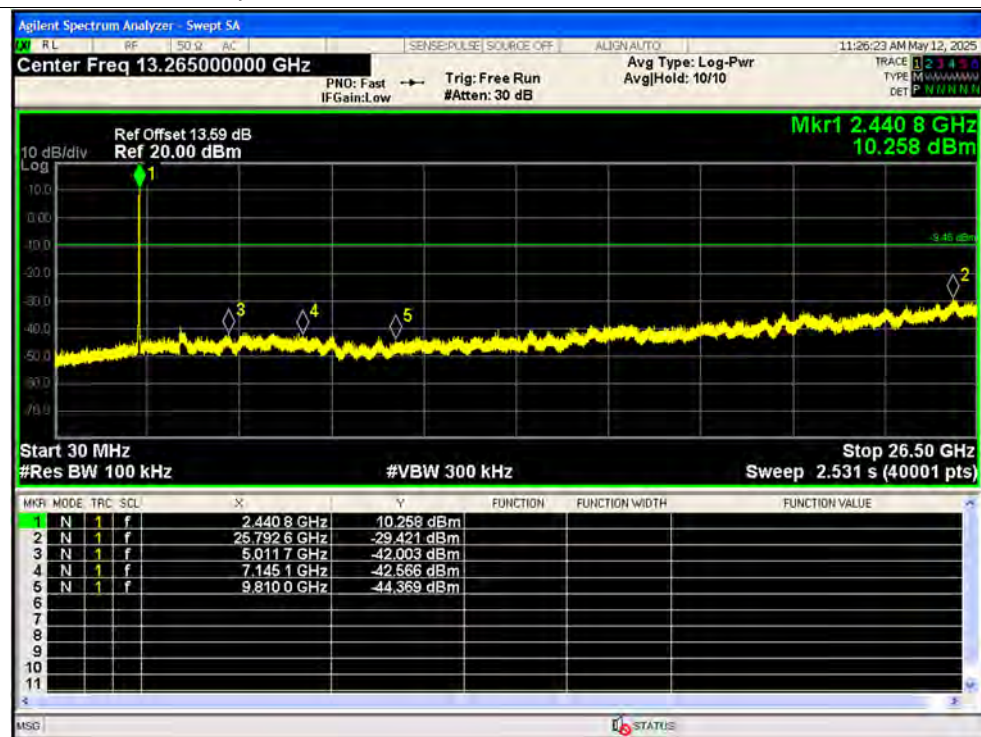
Tx. Spurious NVNT n20 2412MHz Ant2 Emission SISO



Tx. Spurious NVNT n20 2437MHz Ant2 Ref SISO



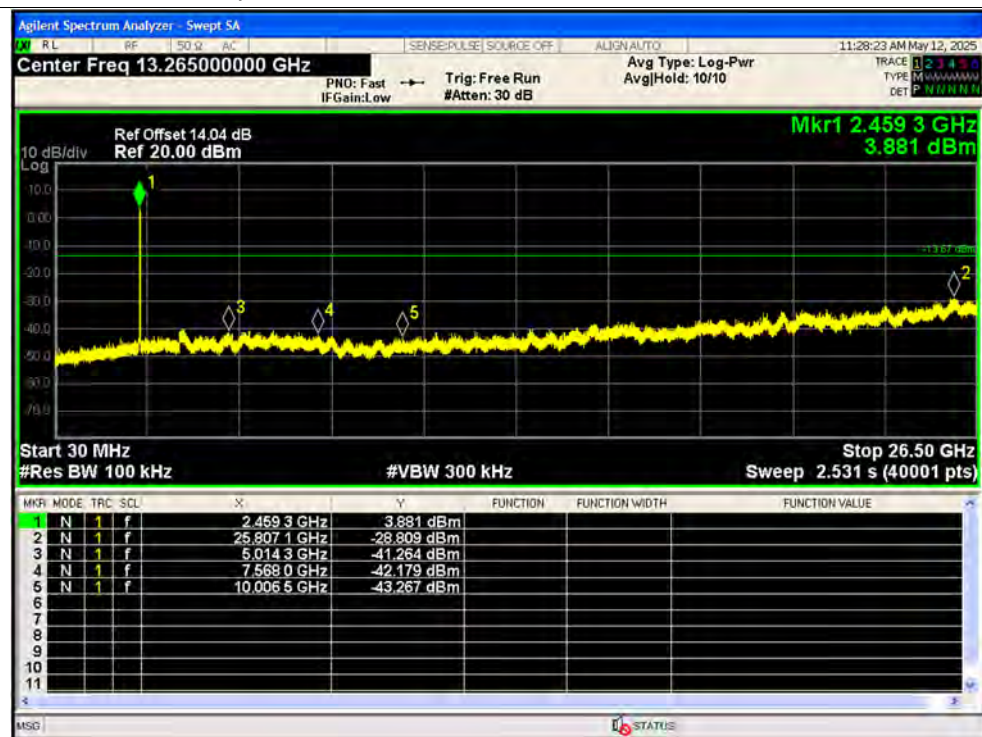
Tx. Spurious NVNT n20 2437MHz Ant2 Emission SISO



Tx. Spurious NVNT n20 2462MHz Ant2 Ref SISO



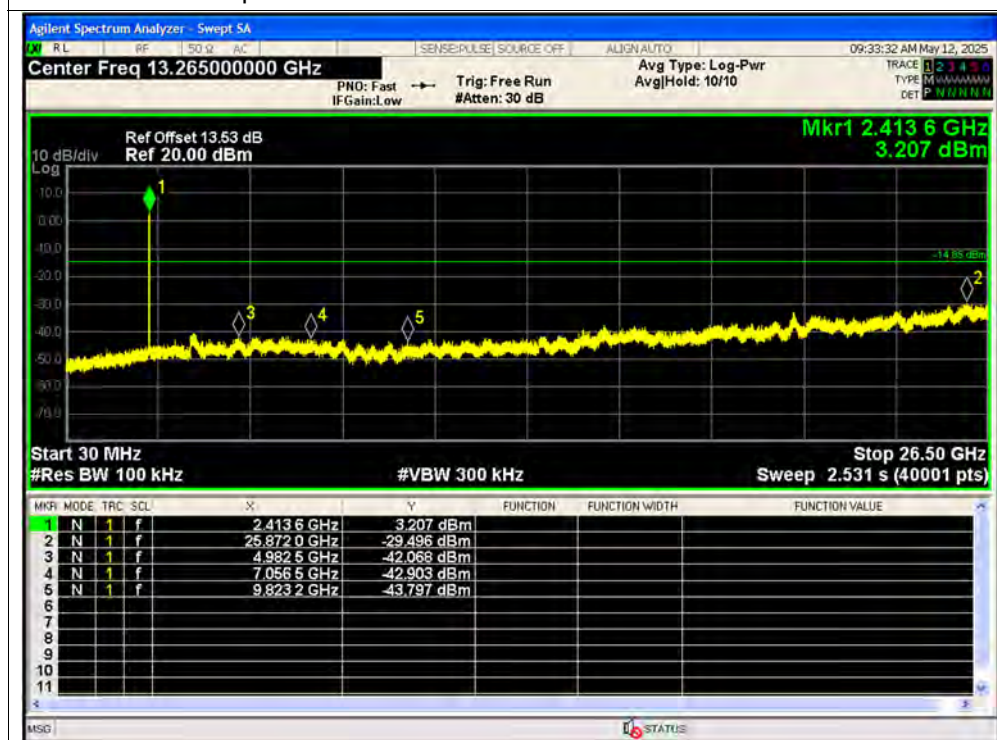
Tx. Spurious NVNT n20 2462MHz Ant2 Emission SISO



Tx. Spurious NVNT ax20 2412MHz Ant1 Ref SISO



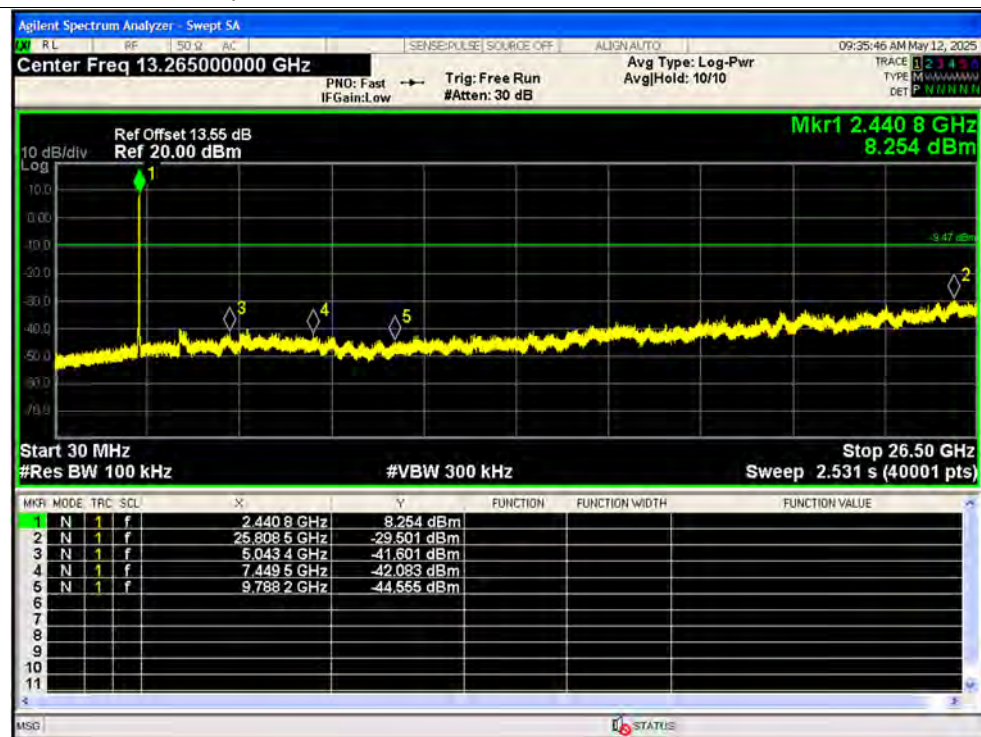
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission SISO



Tx. Spurious NVNT ax20 2437MHz Ant1 Ref SISO



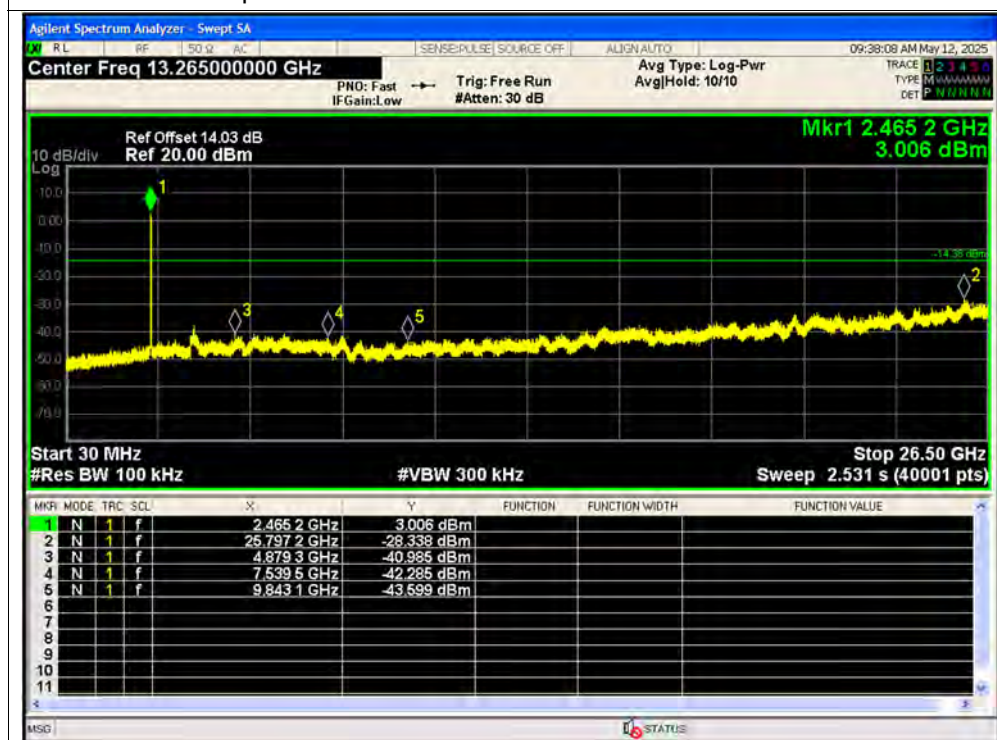
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission SISO



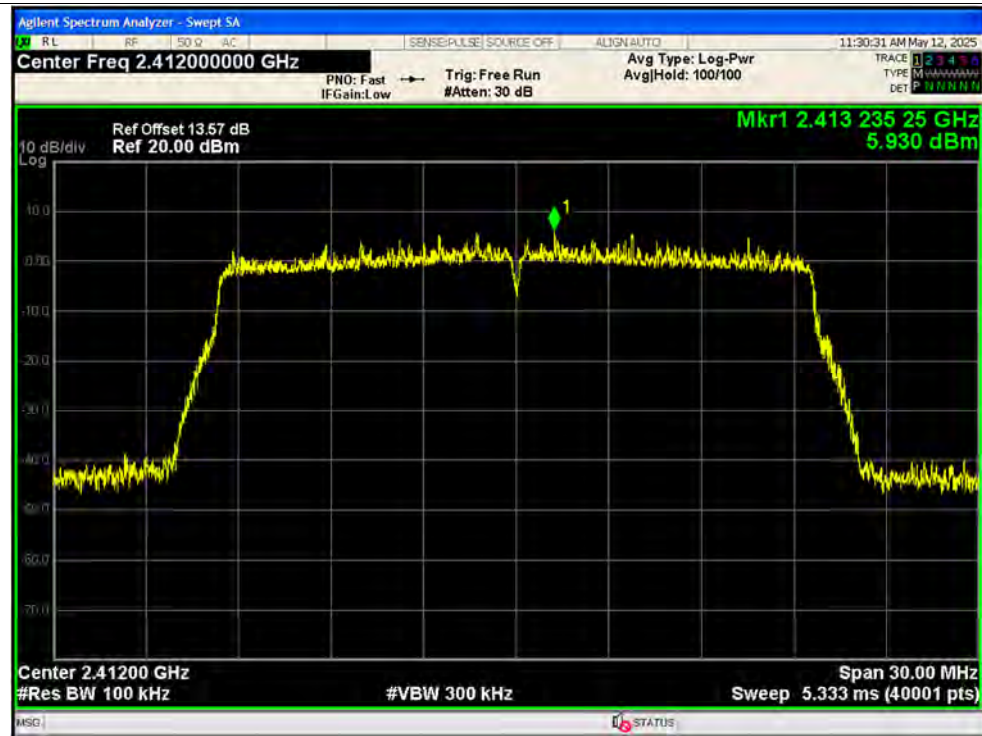
Tx. Spurious NVNT ax20 2462MHz Ant1 Ref SISO



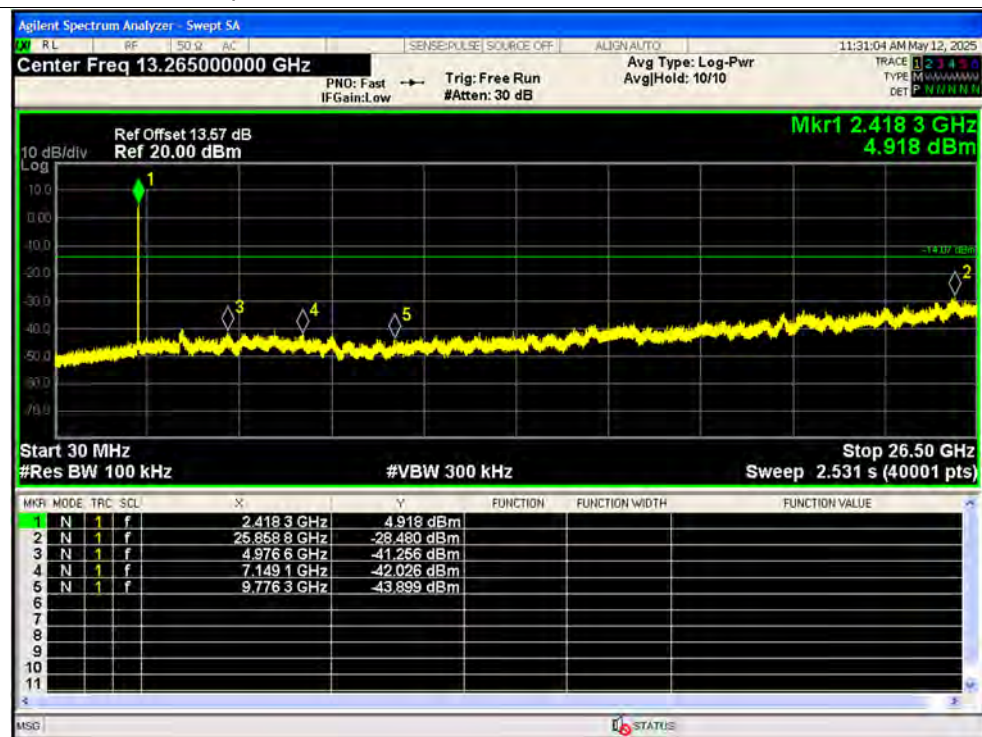
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission SISO



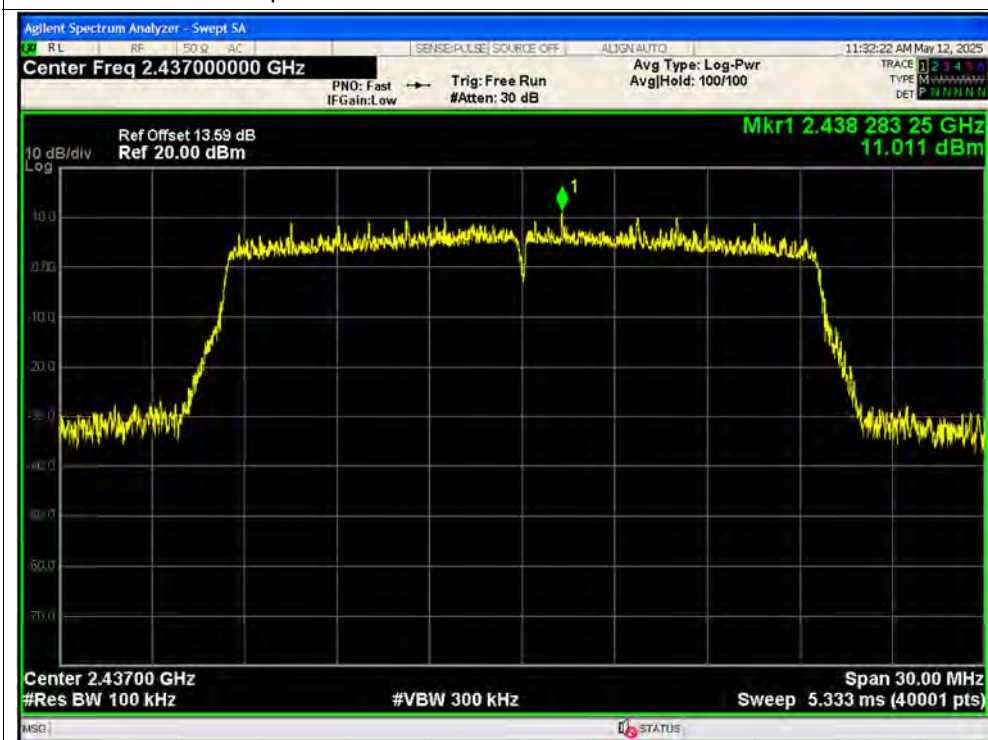
Tx. Spurious NVNT ax20 2412MHz Ant2 Ref SISO



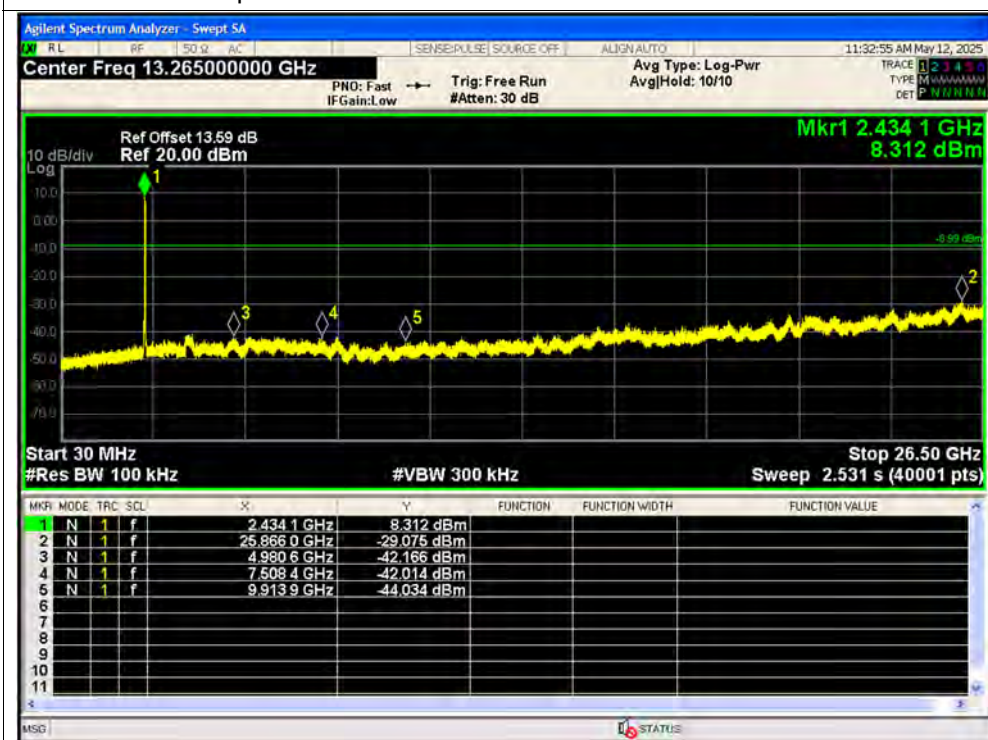
Tx. Spurious NVNT ax20 2412MHz Ant2 Emission SISO



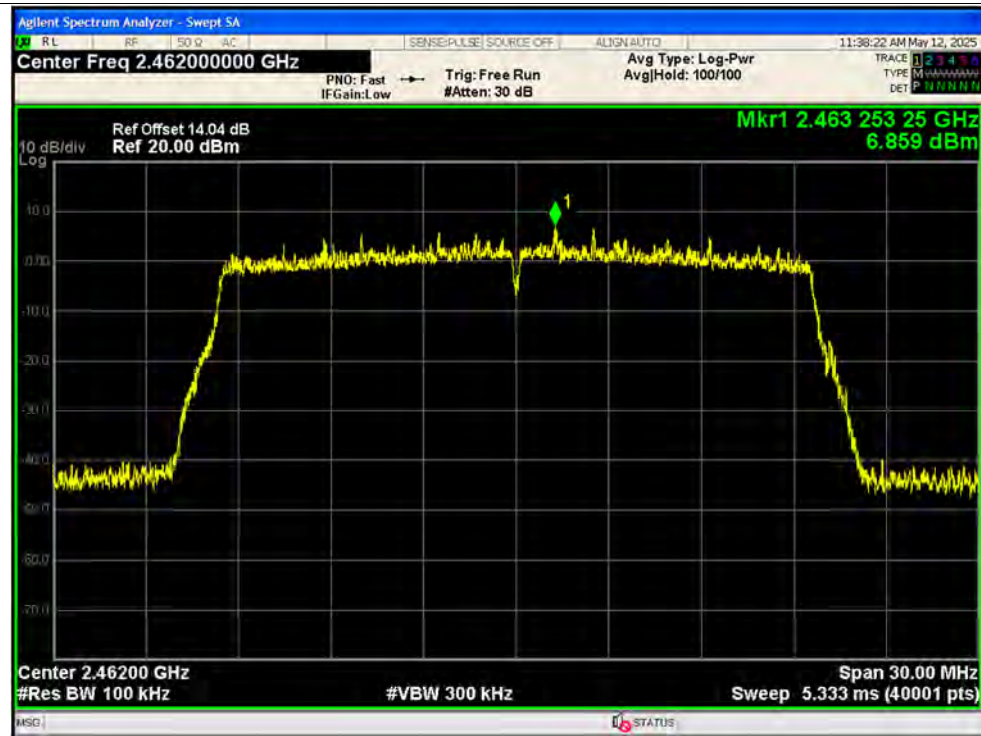
Tx. Spurious NVNT ax20 2437MHz Ant2 Ref SISO



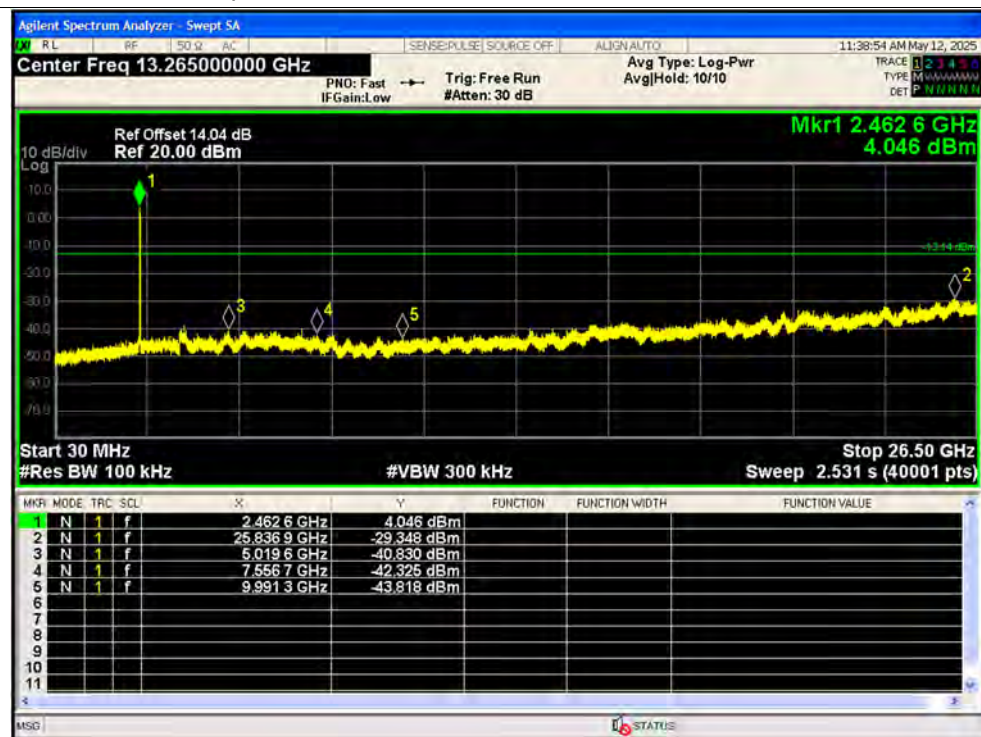
Tx. Spurious NVNT ax20 2437MHz Ant2 Emission SISO



Tx. Spurious NVNT ax20 2462MHz Ant2 Ref SISO



Tx. Spurious NVNT ax20 2462MHz Ant2 Emission SISO



**A.6. Band Edge**

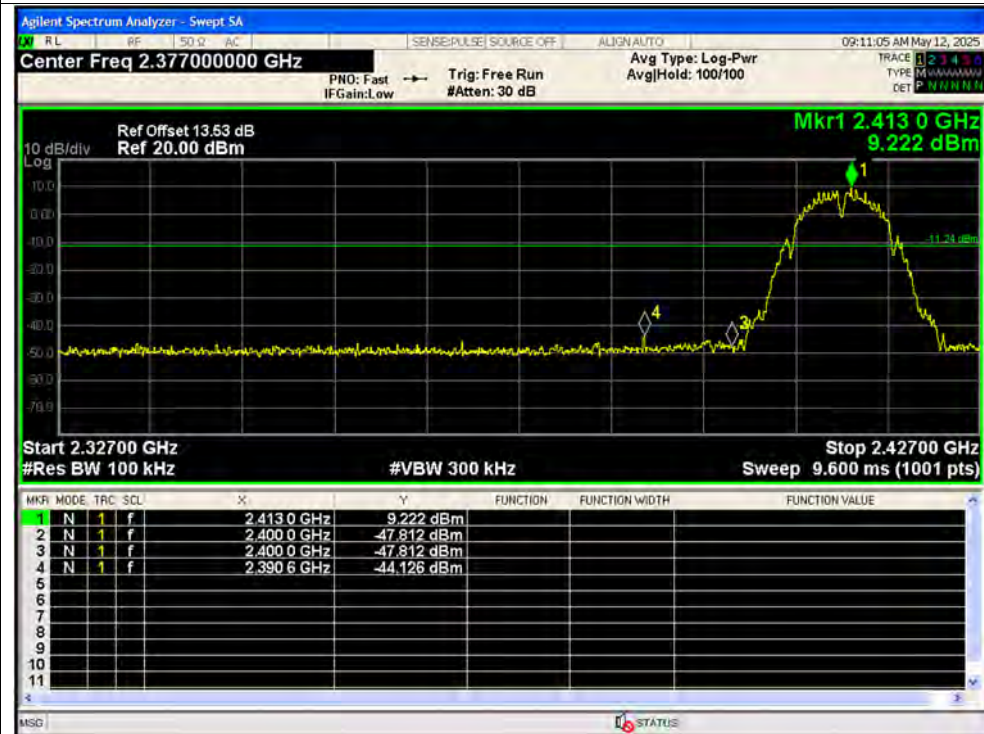
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b SISO	2412	Ant1	-52.88	-20	Pass
NVNT	b SISO	2462	Ant1	-52.58	-20	Pass
NVNT	b SISO	2412	Ant2	-52.86	-20	Pass
NVNT	b SISO	2462	Ant2	-56.46	-20	Pass
NVNT	g SISO	2412	Ant1	-48.05	-20	Pass
NVNT	g SISO	2462	Ant1	-49.59	-20	Pass
NVNT	g SISO	2412	Ant2	-43.24	-20	Pass
NVNT	g SISO	2462	Ant2	-50.23	-20	Pass
NVNT	n20 SISO	2412	Ant1	-46.24	-20	Pass
NVNT	n20 SISO	2462	Ant1	-50.82	-20	Pass
NVNT	n20 SISO	2412	Ant2	-44.83	-20	Pass
NVNT	n20 SISO	2462	Ant2	-51.41	-20	Pass
NVNT	ax20 SISO	2412	Ant1	-46.9	-20	Pass
NVNT	ax20 SISO	2462	Ant1	-50.45	-20	Pass
NVNT	ax20 SISO	2412	Ant2	-44	-20	Pass
NVNT	ax20 SISO	2462	Ant2	-51.16	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref SISO



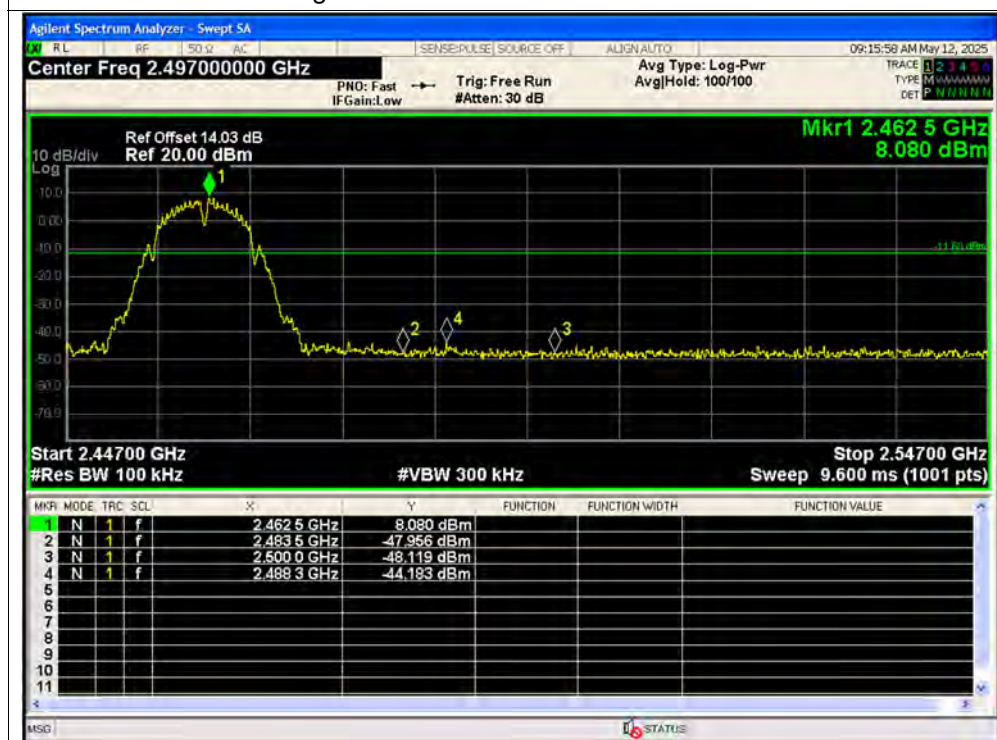
Band Edge NVNT b 2412MHz Ant1 Emission SISO



Band Edge NVNT b 2462MHz Ant1 Ref SISO



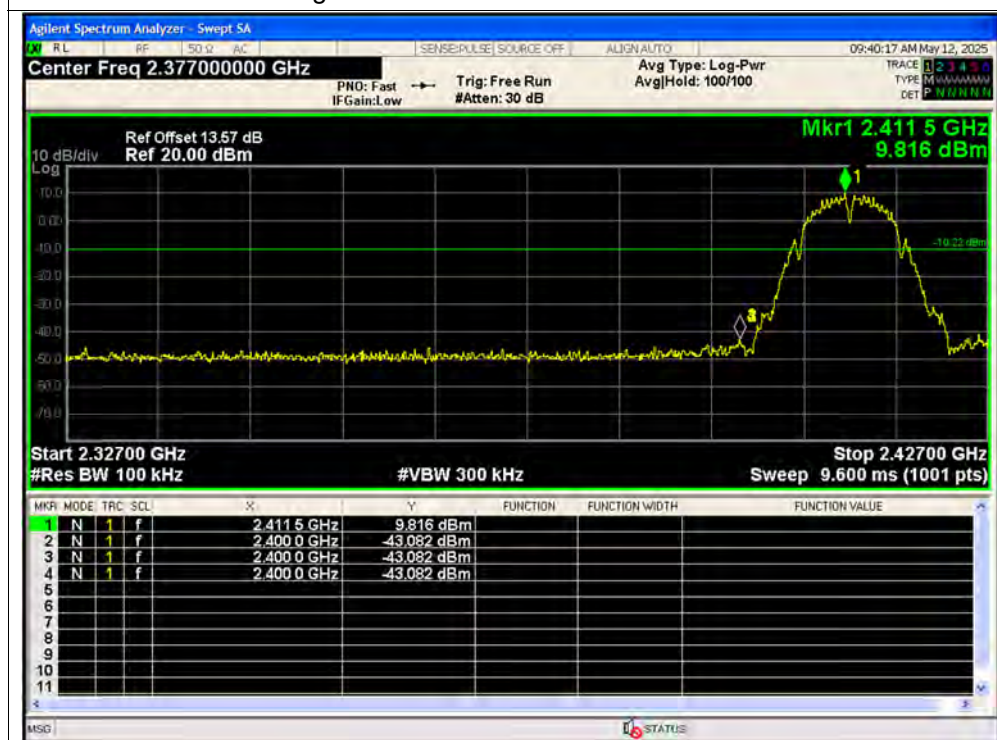
Band Edge NVNT b 2462MHz Ant1 Emission SISO



Band Edge NVNT b 2412MHz Ant2 Ref SISO



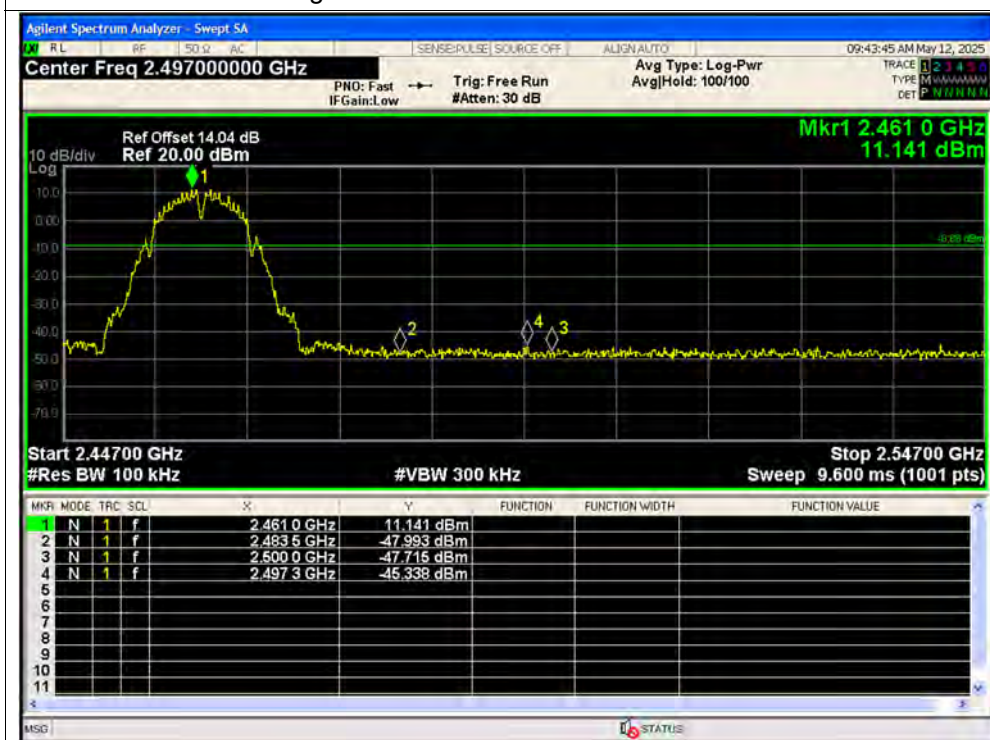
Band Edge NVNT b 2412MHz Ant2 Emission SISO



Band Edge NVNT b 2462MHz Ant2 Ref SISO



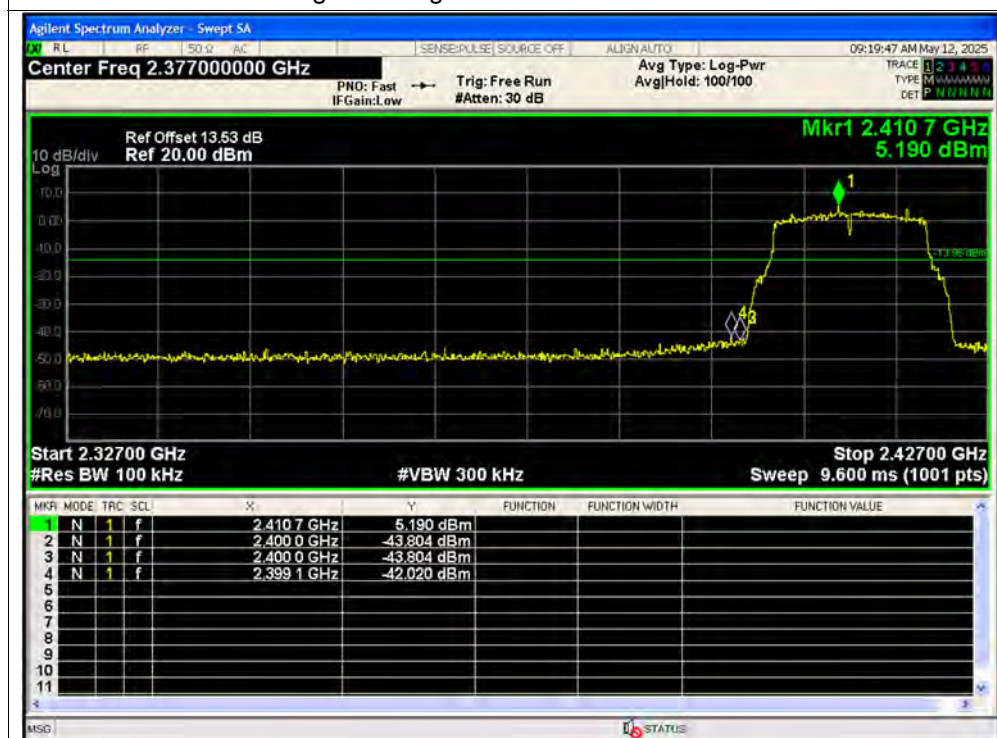
Band Edge NVNT b 2462MHz Ant2 Emission SISO



Band Edge NVNT g 2412MHz Ant1 Ref SISO



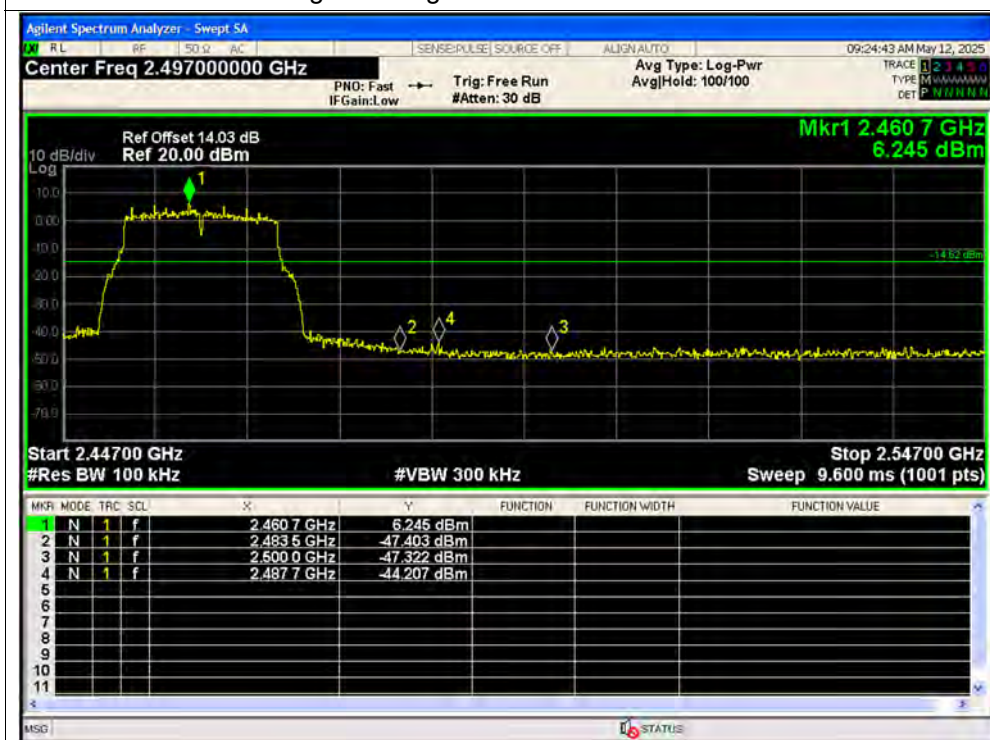
Band Edge NVNT g 2412MHz Ant1 Emission SISO



Band Edge NVNT g 2462MHz Ant1 Ref SISO



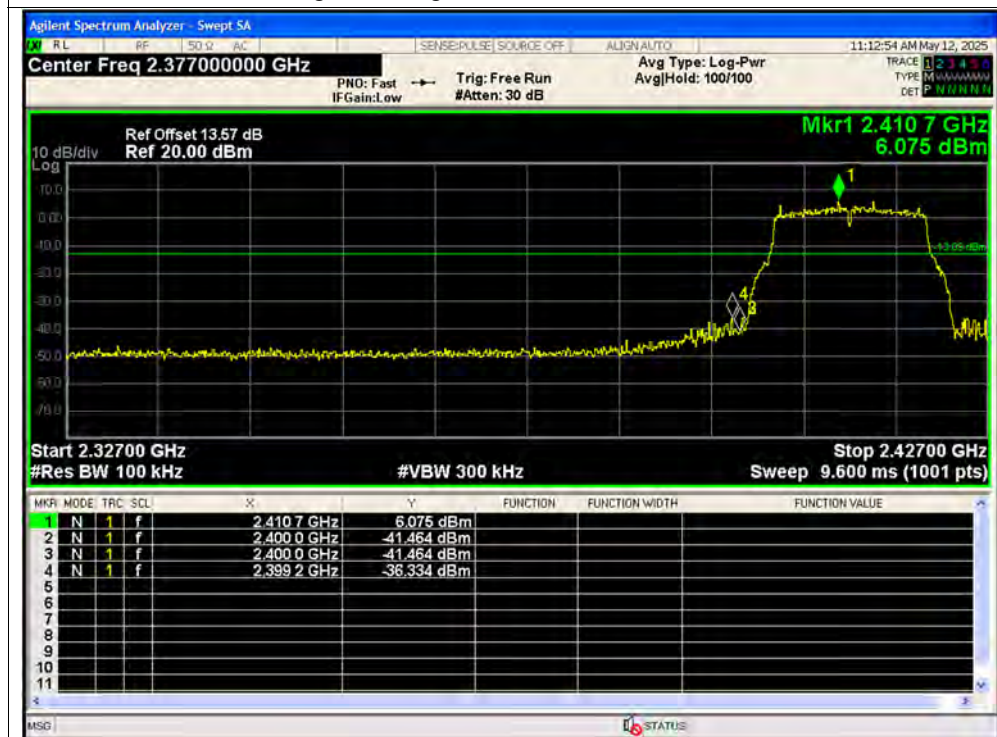
Band Edge NVNT g 2462MHz Ant1 Emission SISO



Band Edge NVNT g 2412MHz Ant2 Ref SISO



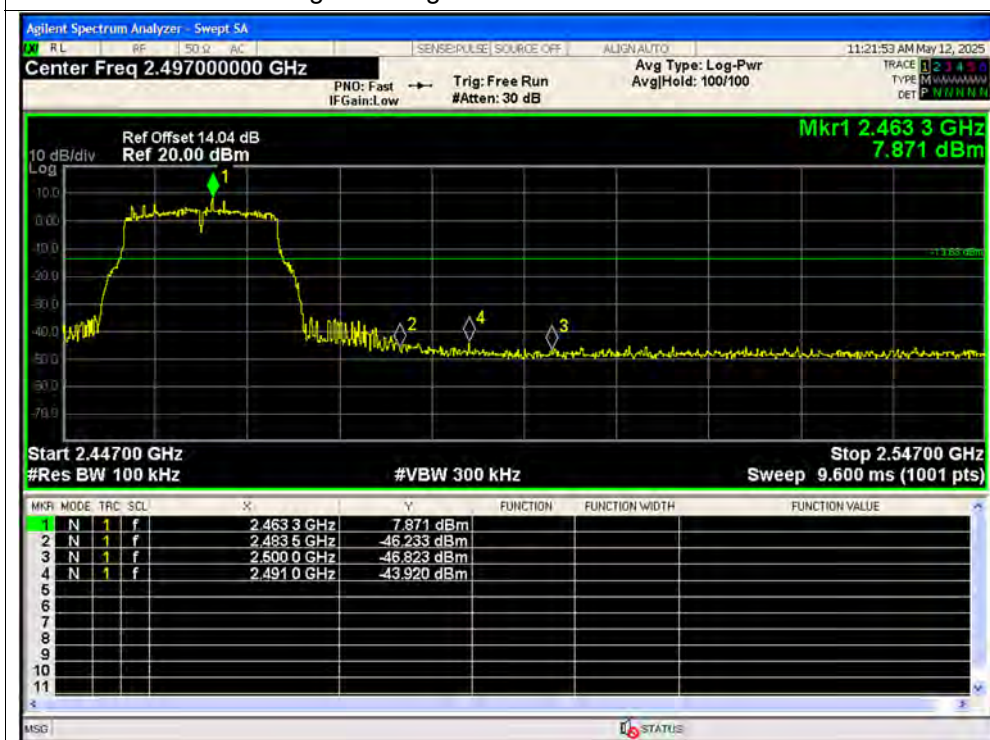
Band Edge NVNT g 2412MHz Ant2 Emission SISO



Band Edge NVNT g 2462MHz Ant2 Ref SISO



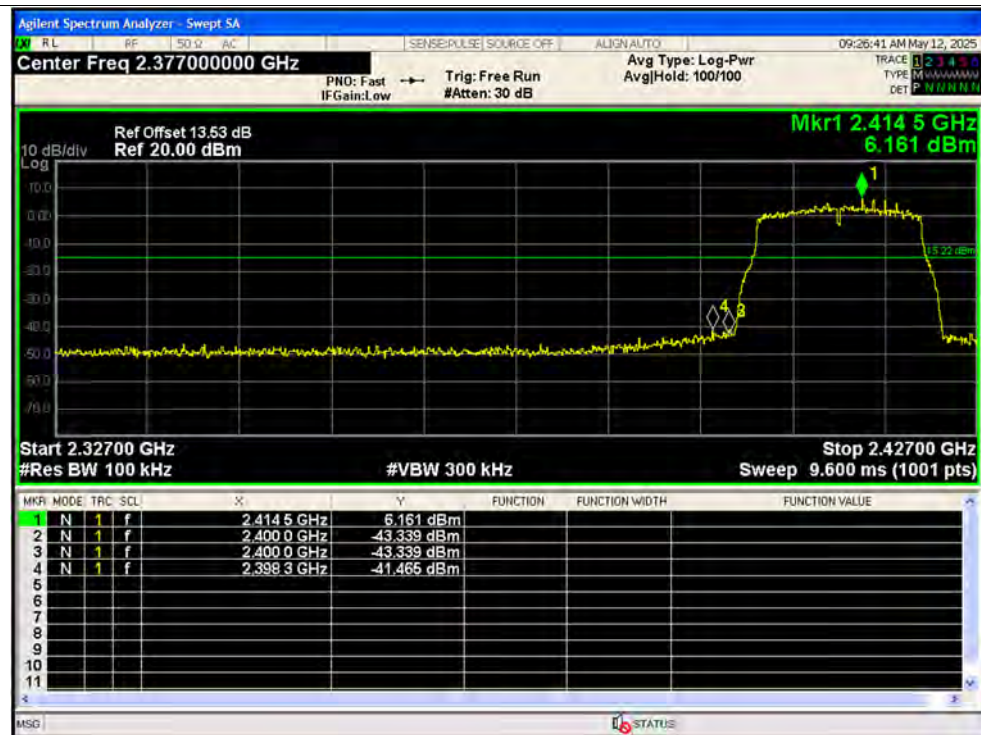
Band Edge NVNT g 2462MHz Ant2 Emission SISO



Band Edge NVNT n20 2412MHz Ant1 Ref SISO



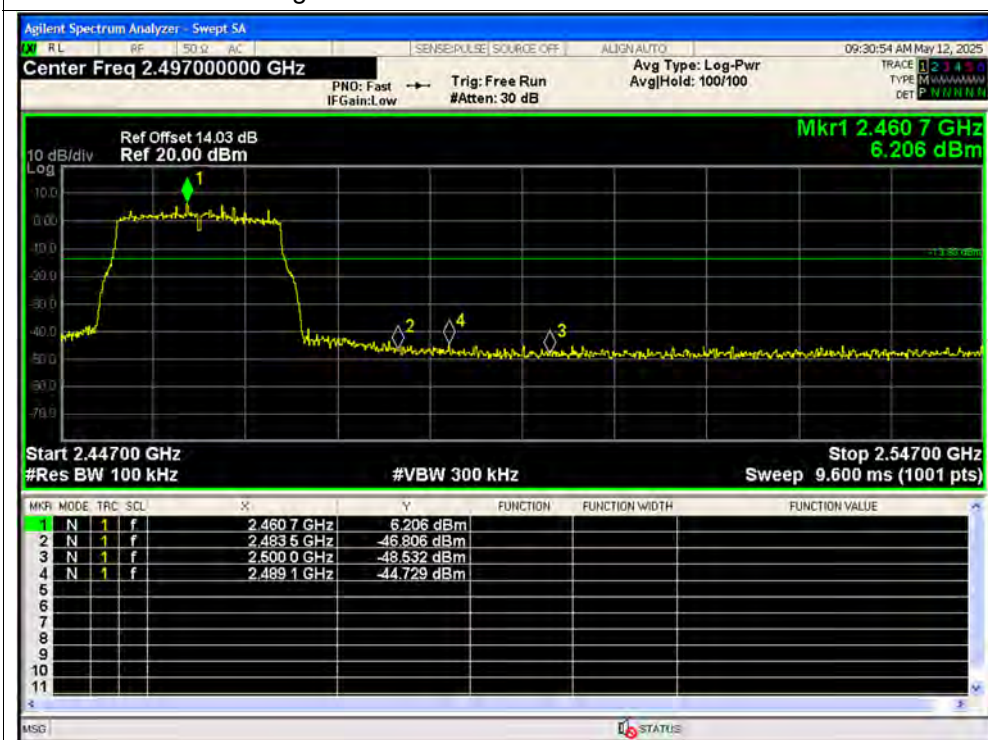
Band Edge NVNT n20 2412MHz Ant1 Emission SISO



Band Edge NVNT n20 2462MHz Ant1 Ref SISO



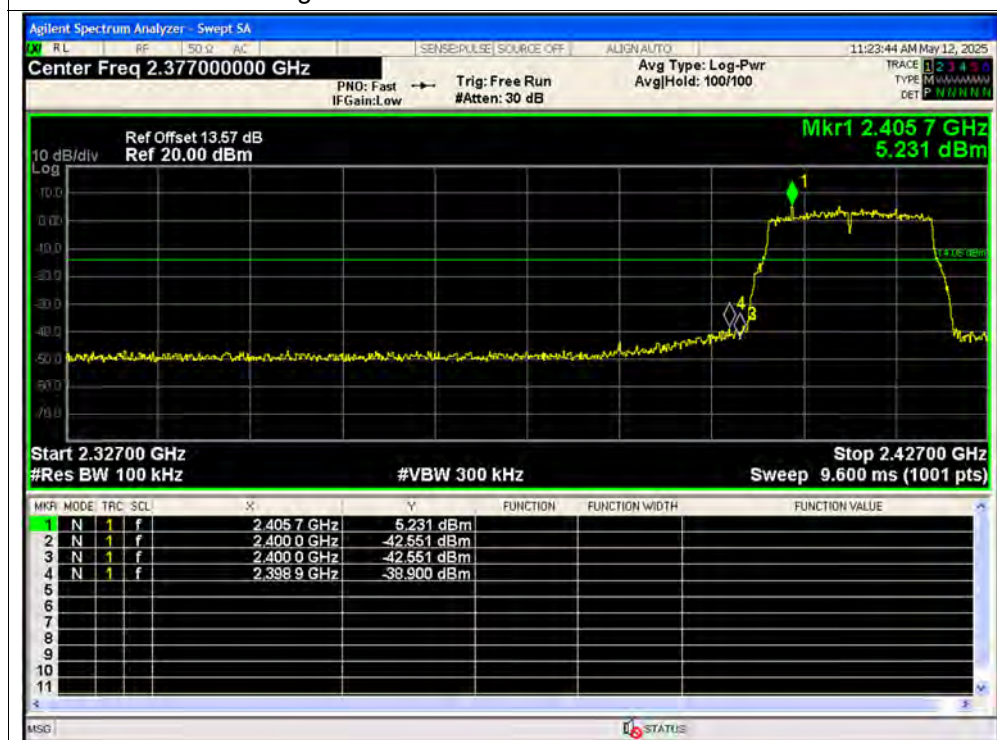
Band Edge NVNT n20 2462MHz Ant1 Emission SISO



Band Edge NVNT n20 2412MHz Ant2 Ref SISO



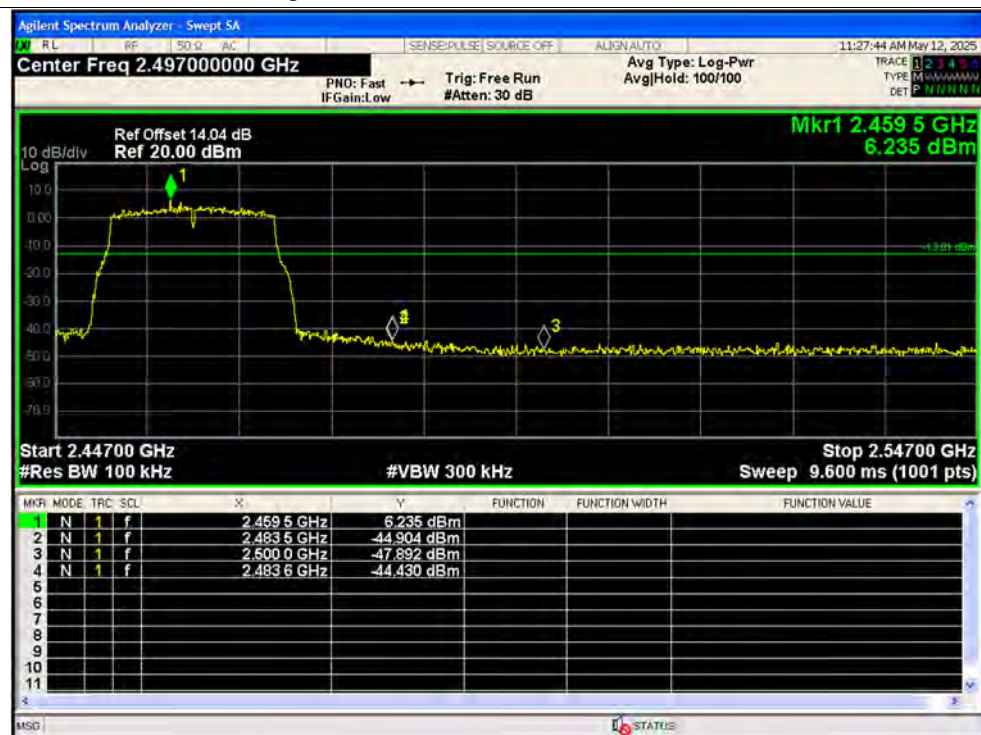
Band Edge NVNT n20 2412MHz Ant2 Emission SISO



Band Edge NVNT n20 2462MHz Ant2 Ref SISO



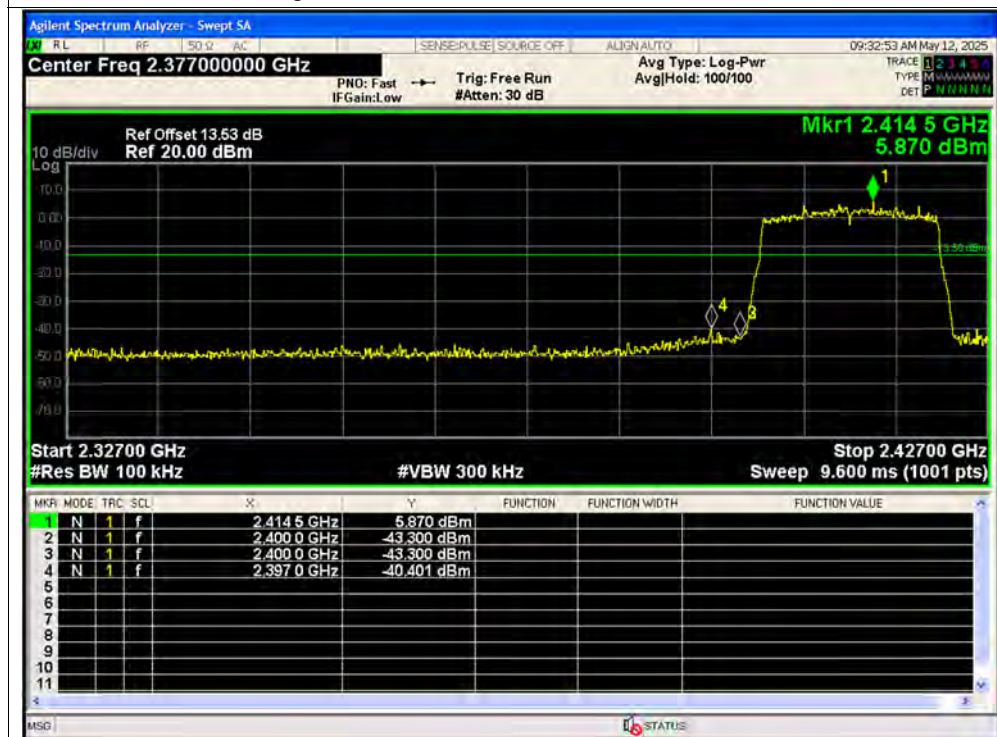
Band Edge NVNT n20 2462MHz Ant2 Emission SISO



Band Edge NVNT ax20 2412MHz Ant1 Ref SISO



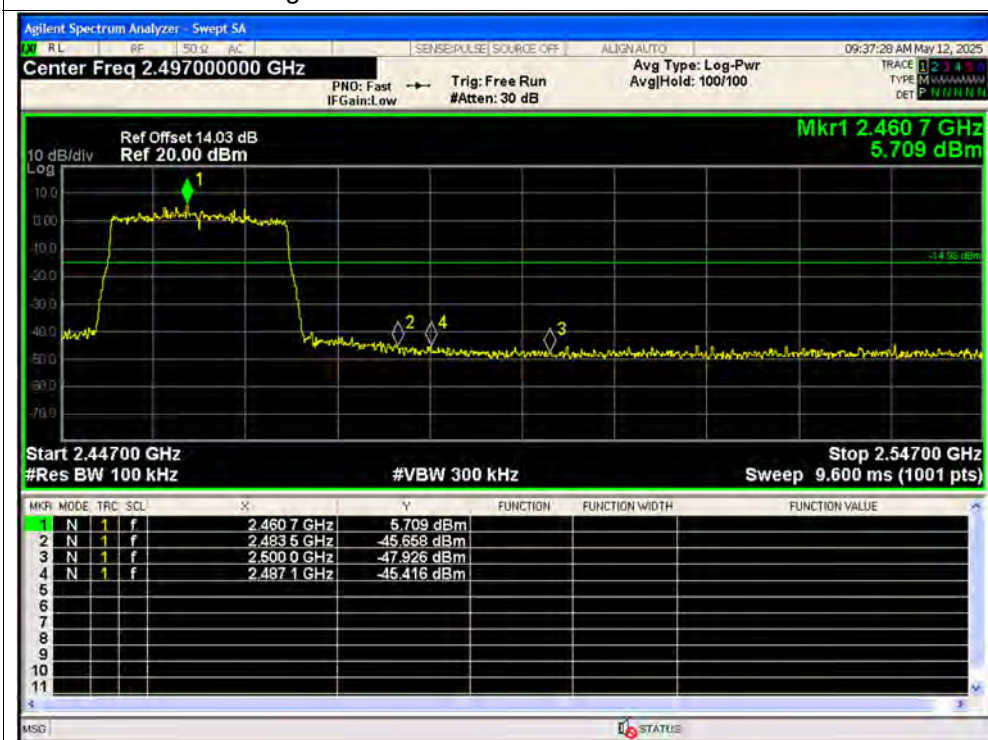
Band Edge NVNT ax20 2412MHz Ant1 Emission SISO



Band Edge NVNT ax20 2462MHz Ant1 Ref SISO



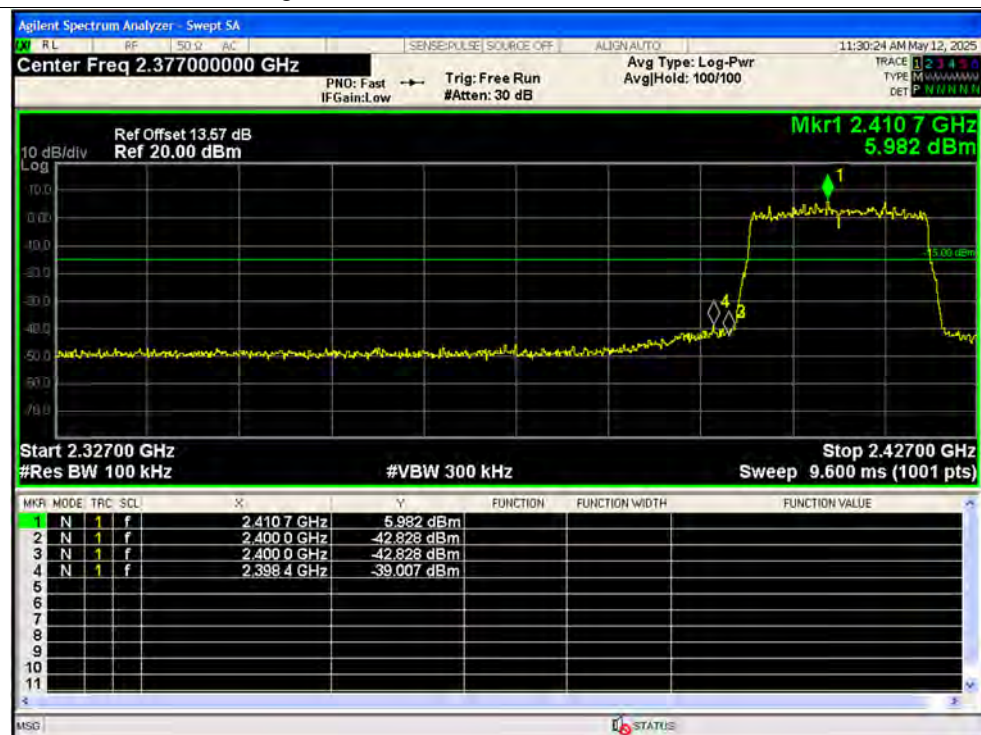
Band Edge NVNT ax20 2462MHz Ant1 Emission SISO



Band Edge NVNT ax20 2412MHz Ant2 Ref SISO



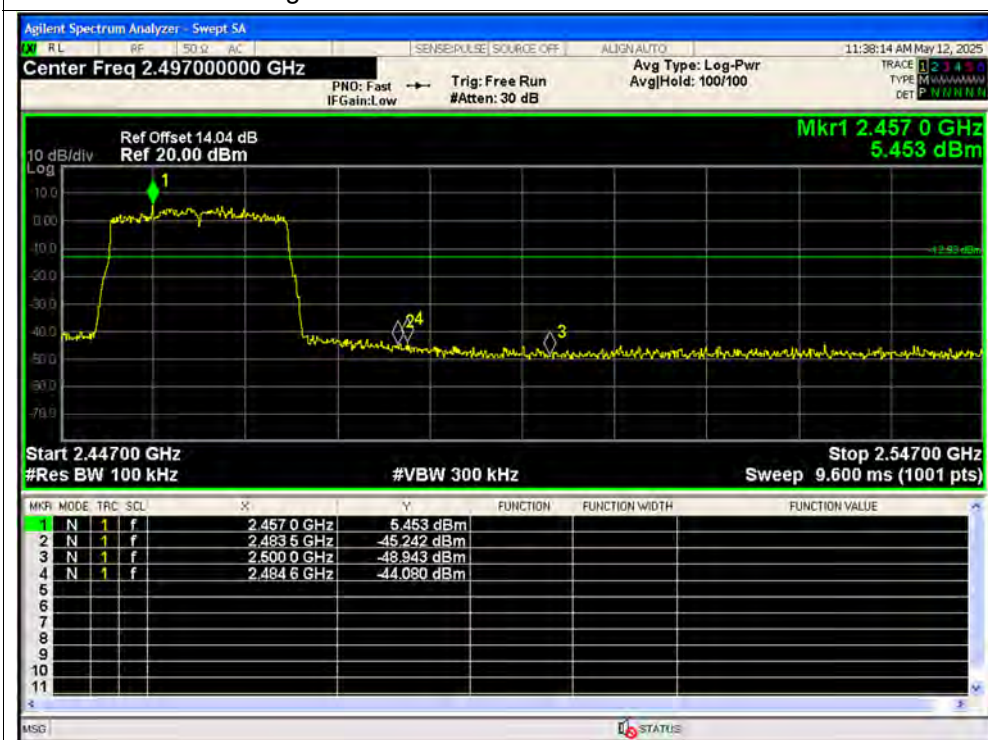
Band Edge NVNT ax20 2412MHz Ant2 Emission SISO



Band Edge NVNT ax20 2462MHz Ant2 Ref SISO



Band Edge NVNT ax20 2462MHz Ant2 Emission SISO



**A.7. Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b SISO	2412	Ant1	-5.25	0	-5.25	8	Pass
NVNT	b SISO	2437	Ant1	-0.23	0	-0.23	8	Pass
NVNT	b SISO	2462	Ant1	-6.34	0	-6.34	8	Pass
NVNT	b SISO	2412	Ant2	-5.86	0	-5.86	8	Pass
NVNT	b SISO	2437	Ant2	2.32	0	2.32	8	Pass
NVNT	b SISO	2462	Ant2	-0.95	0	-0.95	8	Pass
NVNT	g SISO	2412	Ant1	-8.78	0	-8.78	8	Pass
NVNT	g SISO	2437	Ant1	-3.64	0	-3.64	8	Pass
NVNT	g SISO	2462	Ant1	-7.76	0	-7.76	8	Pass
NVNT	g SISO	2412	Ant2	-7.84	0	-7.84	8	Pass
NVNT	g SISO	2437	Ant2	-3.04	0	-3.04	8	Pass
NVNT	g SISO	2462	Ant2	-8.79	0	-8.79	8	Pass
NVNT	n20 SISO	2412	Ant1	-8.23	0	-8.23	8	Pass
NVNT	n20 SISO	2437	Ant1	-3.58	0	-3.58	8	Pass
NVNT	n20 SISO	2462	Ant1	-8.4	0	-8.4	8	Pass
NVNT	n20 SISO	2412	Ant2	-8.74	0	-8.74	8	Pass
NVNT	n20 SISO	2437	Ant2	-3.18	0	-3.18	8	Pass
NVNT	n20 SISO	2462	Ant2	-7.26	0	-7.26	8	Pass
NVNT	n20 MIMO	2412	Ant1	-11.93	0	-11.93	8	Pass
NVNT	n20 MIMO	2412	Ant2	-12.3	0	-12.3	8	Pass
NVNT	n20 MIMO	2412	Sum	-9.1	0	-9.1	5.74	Pass
NVNT	n20 MIMO	2437	Ant1	-9.69	0	-9.69	8	Pass
NVNT	n20 MIMO	2437	Ant2	-9.7	0	-9.7	8	Pass
NVNT	n20 MIMO	2437	Sum	-6.68	0	-6.68	5.74	Pass
NVNT	n20 MIMO	2462	Ant1	-12.26	0	-12.26	8	Pass
NVNT	n20 MIMO	2462	Ant2	-11.52	0	-11.52	8	Pass
NVNT	n20 MIMO	2462	Sum	-8.86	0	-8.86	5.74	Pass
NVNT	ax20 SISO	2412	Ant1	-8.76	0	-8.76	8	Pass
NVNT	ax20 SISO	2437	Ant1	-4.97	0	-4.97	8	Pass
NVNT	ax20 SISO	2462	Ant1	-8.54	0	-8.54	8	Pass
NVNT	ax20 SISO	2412	Ant2	-8.19	0	-8.19	8	Pass
NVNT	ax20 SISO	2437	Ant2	-3.23	0	-3.23	8	Pass
NVNT	ax20 SISO	2462	Ant2	-7.81	0	-7.81	8	Pass
NVNT	ax20 MIMO	2412	Ant1	-13.42	0	-13.42	8	Pass



NVNT	ax20 MIMO	2412	Ant2	-11.89	0	-11.89	8	Pass
NVNT	ax20 MIMO	2412	Sum	-9.58	0	-9.58	5.74	Pass
NVNT	ax20 MIMO	2437	Ant1	-9.7	0	-9.7	8	Pass
NVNT	ax20 MIMO	2437	Ant2	-9.76	0	-9.76	8	Pass
NVNT	ax20 MIMO	2437	Sum	-6.72	0	-6.72	5.74	Pass
NVNT	ax20 MIMO	2462	Ant1	-14.62	0	-14.62	8	Pass
NVNT	ax20 MIMO	2462	Ant2	-11.1	0	-11.1	8	Pass
NVNT	ax20 MIMO	2462	Sum	-9.5	0	-9.5	5.74	Pass

Note: Directional gain = $10\log[(10^{G0/20} + 10^{G1/20})^2/2] = 8.26\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to 8-(8.26-6) = 5.74dBm/3kHz.



Test Graphs

PSD NVNT b 2412MHz Ant1 SISO



PSD NVNT b 2437MHz Ant1 SISO





PSD NVNT b 2462MHz Ant1 SISO



PSD NVNT b 2412MHz Ant2 SISO



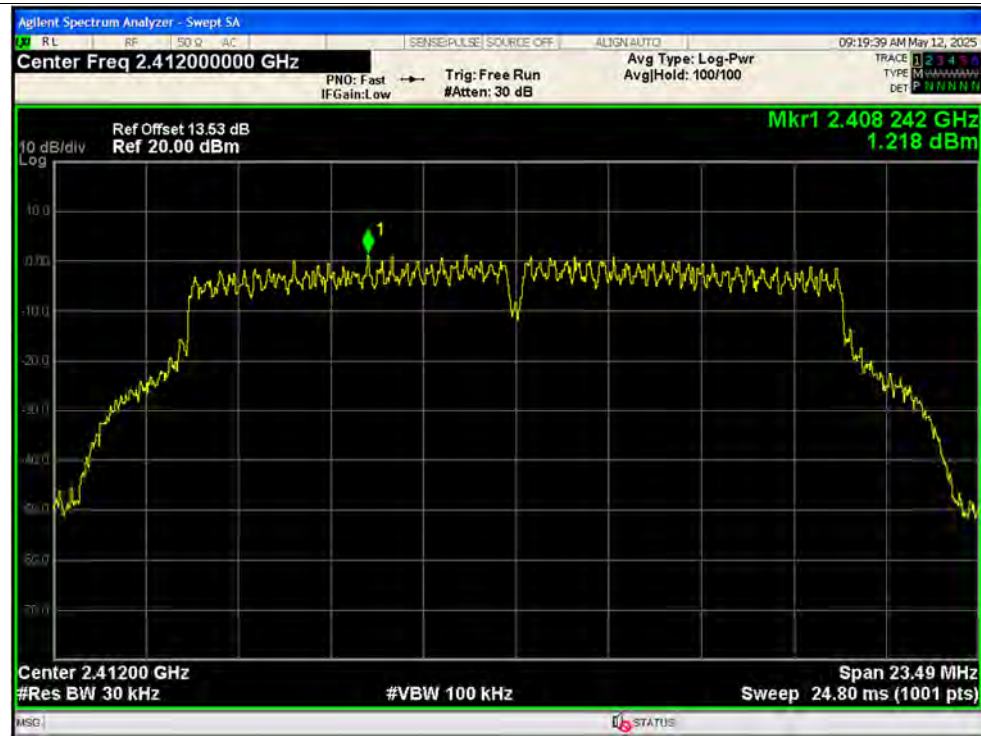
PSD NVNT b 2437MHz Ant2 SISO



PSD NVNT b 2462MHz Ant2 SISO



PSD NVNT g 2412MHz Ant1 SISO



PSD NVNT g 2437MHz Ant1 SISO



PSD NVNT g 2462MHz Ant1 SISO



PSD NVNT g 2412MHz Ant2 SISO



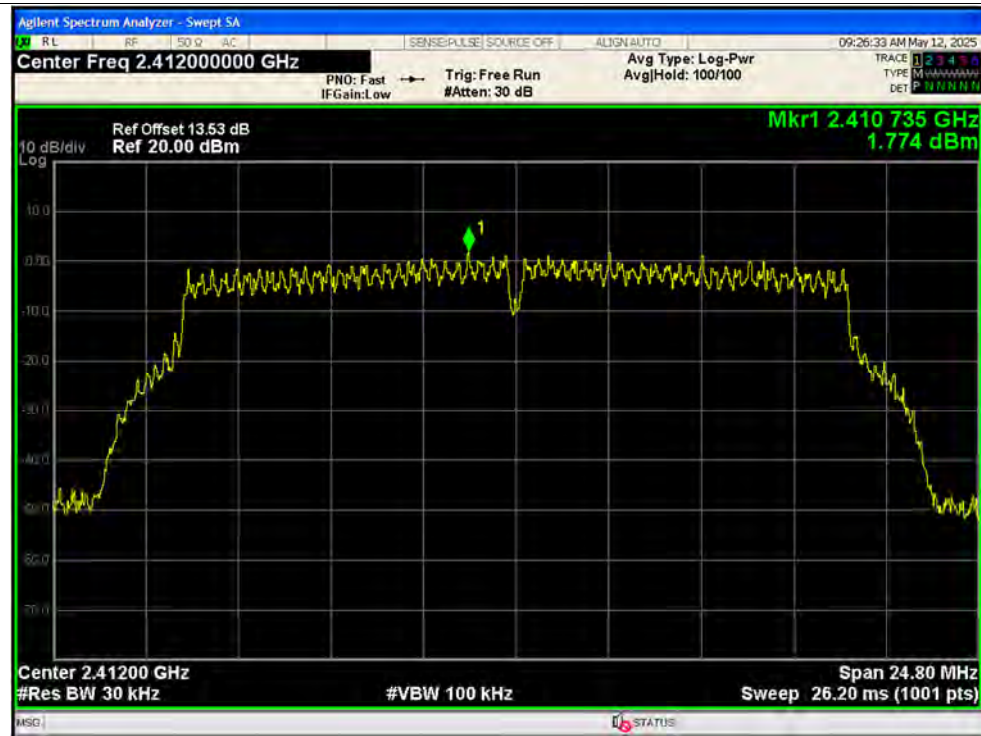
PSD NVNT g 2437MHz Ant2 SISO



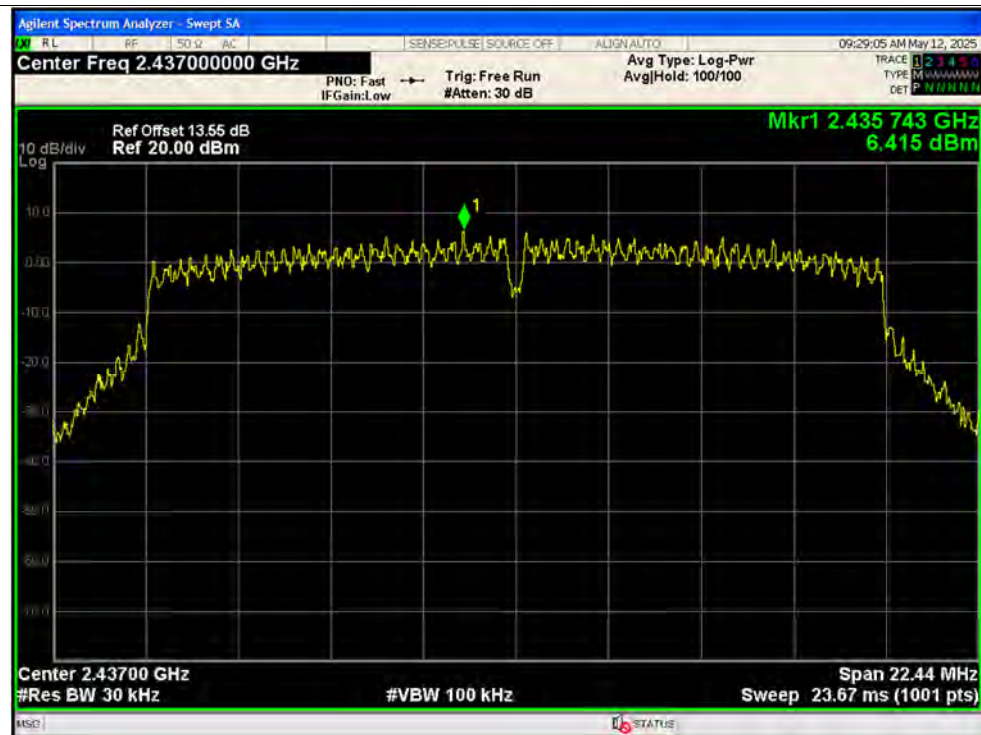
PSD NVNT g 2462MHz Ant2 SISO



PSD NVNT n20 2412MHz Ant1 SISO



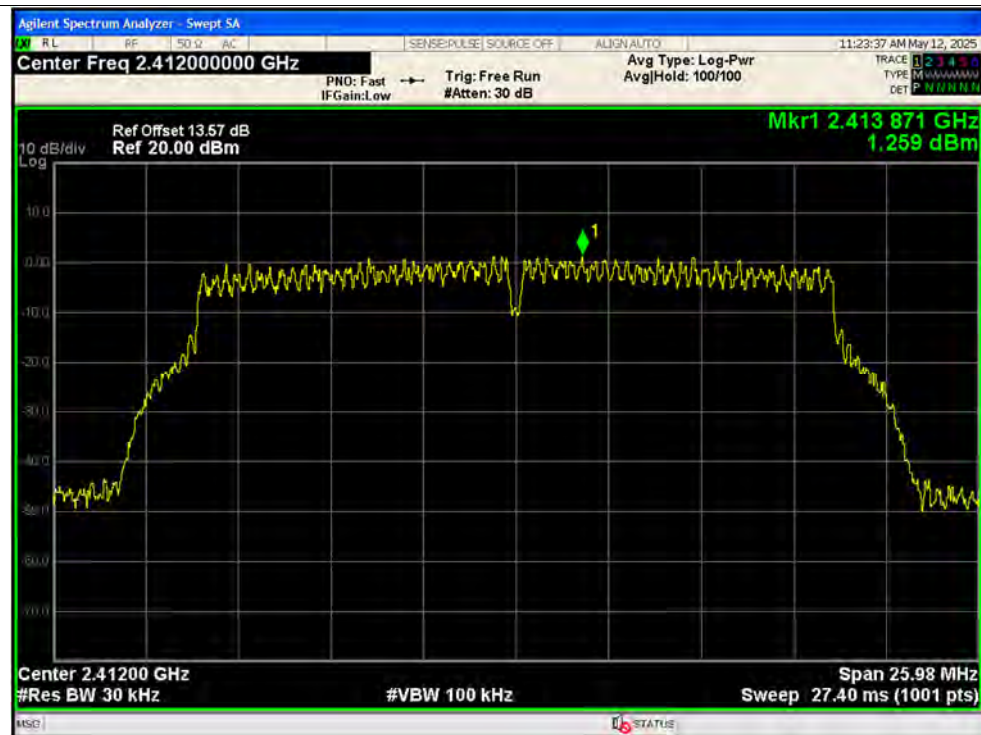
PSD NVNT n20 2437MHz Ant1 SISO



PSD NVNT n20 2462MHz Ant1 SISO



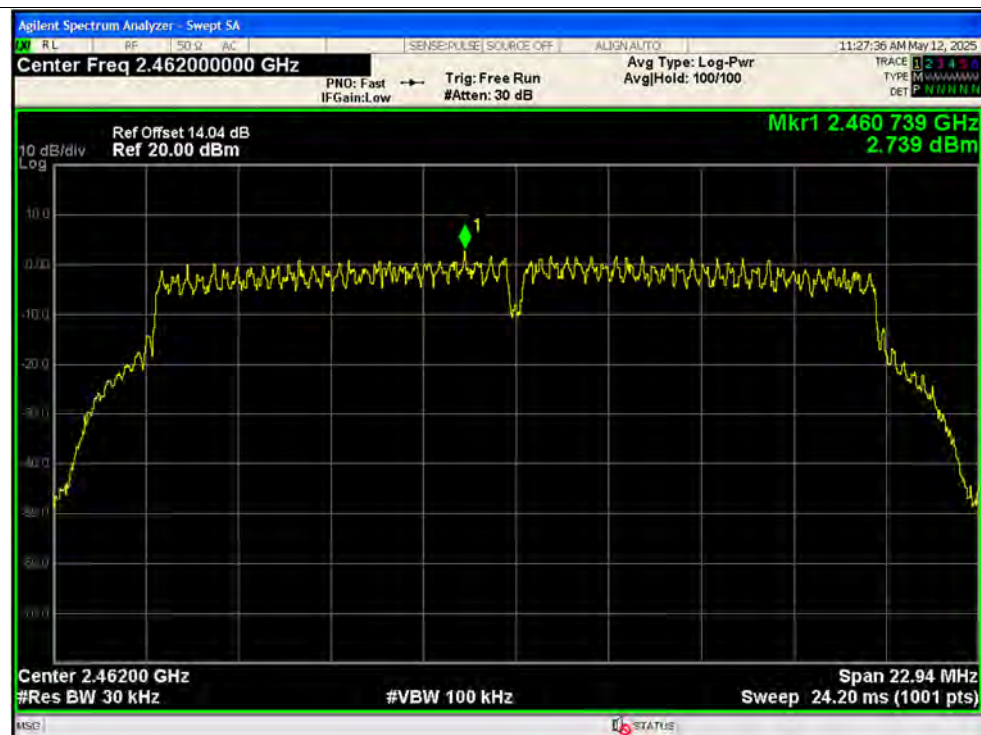
PSD NVNT n20 2412MHz Ant2 SISO



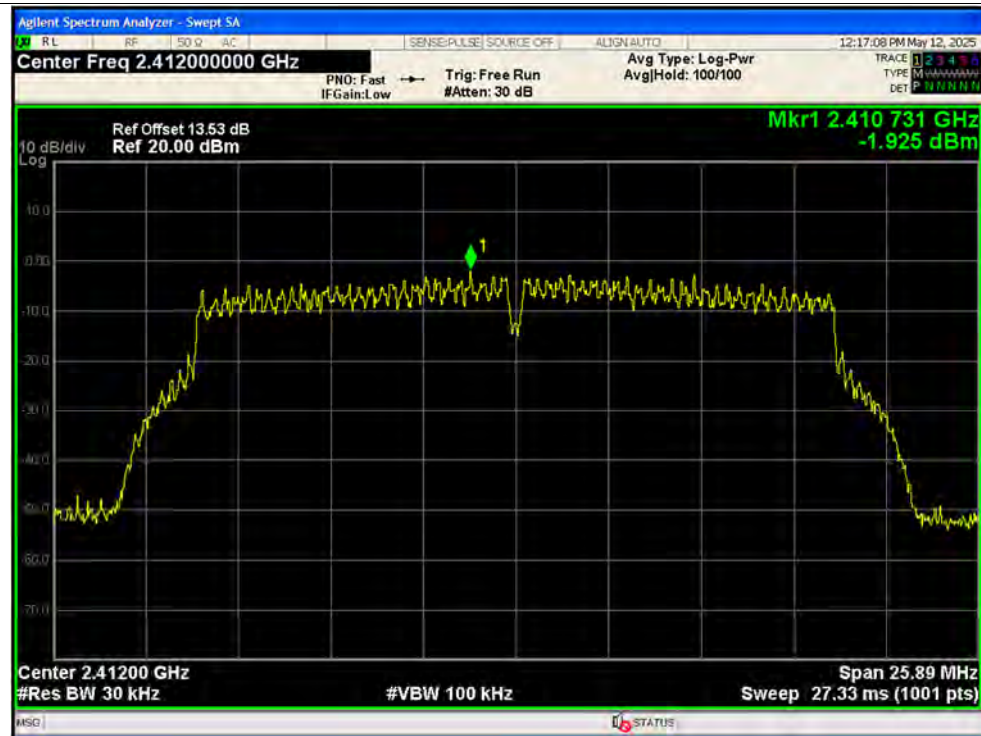
PSD NVNT n20 2437MHz Ant2 SISO



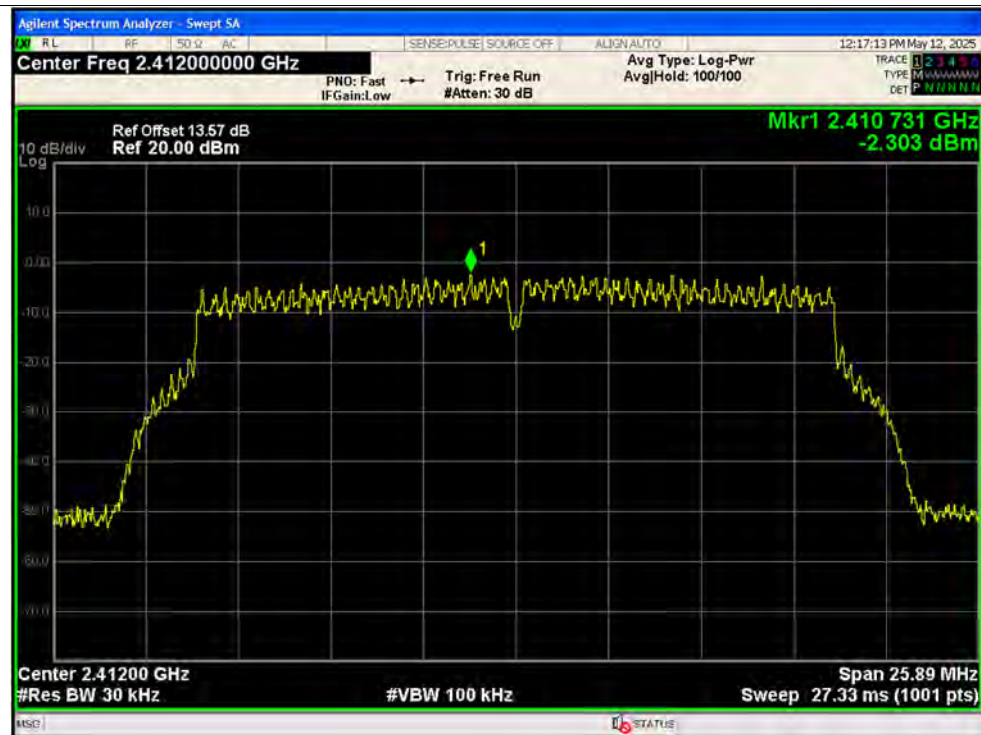
PSD NVNT n20 2462MHz Ant2 SISO



PSD NVNT n20 2412MHz Ant1 MIMO



PSD NVNT n20 2412MHz Ant2 MIMO

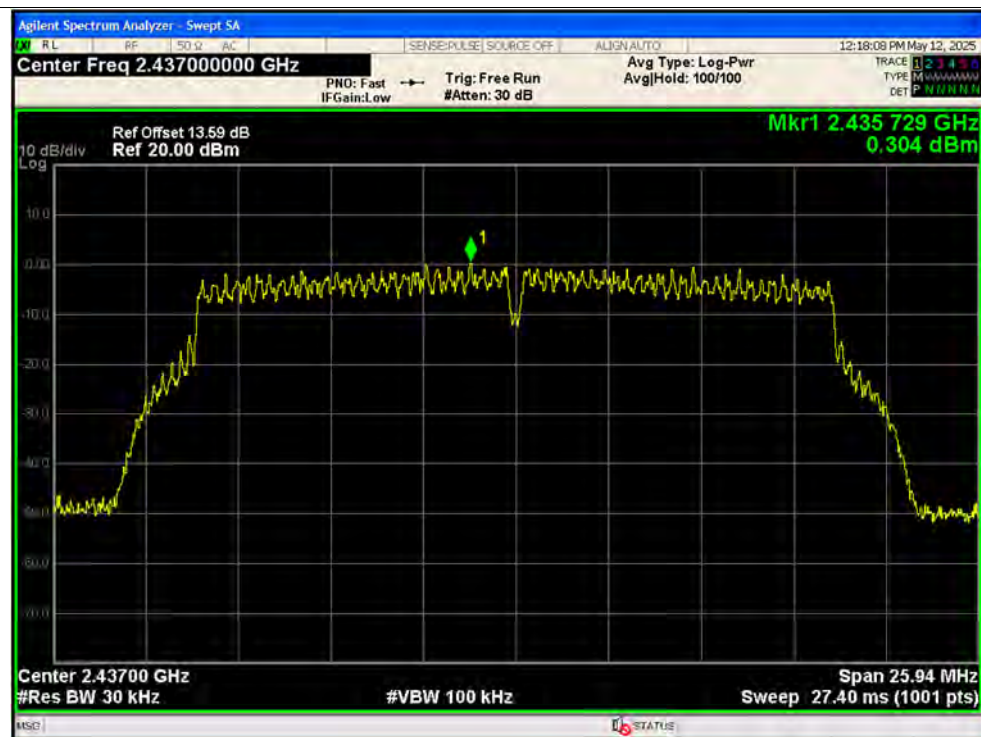




PSD NVNT n20 2437MHz Ant1 MIMO



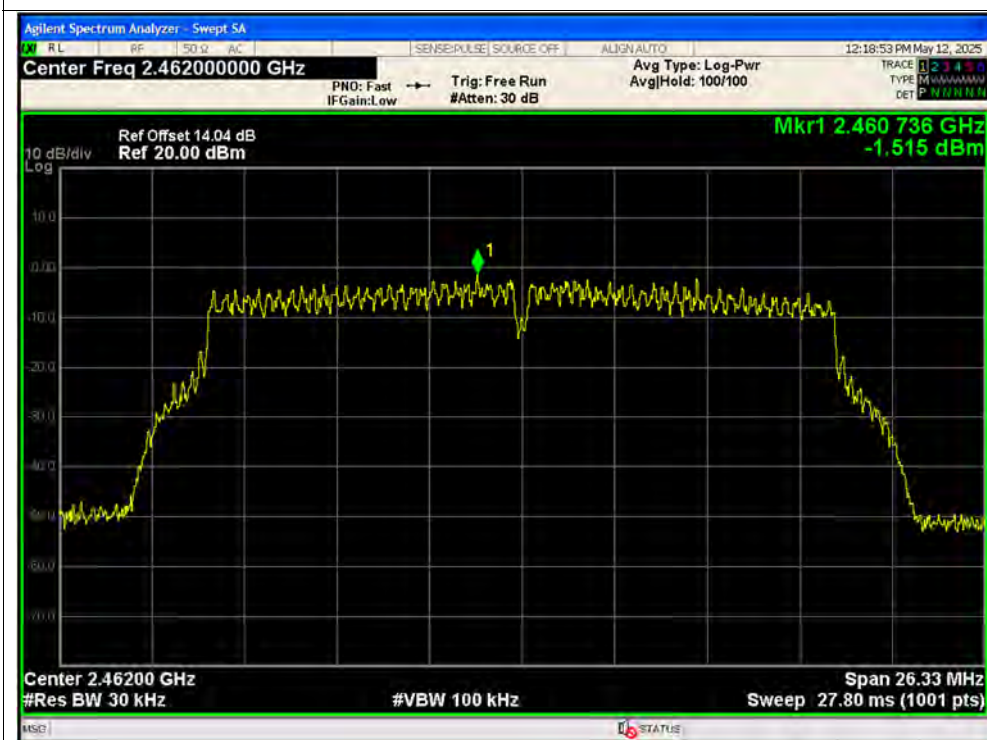
PSD NVNT n20 2437MHz Ant2 MIMO



PSD NVNT n20 2462MHz Ant1 MIMO



PSD NVNT n20 2462MHz Ant2 MIMO



PSD NVNT ax20 2412MHz Ant1 SISO



PSD NVNT ax20 2437MHz Ant1 SISO



PSD NVNT ax20 2462MHz Ant1 SISO



PSD NVNT ax20 2412MHz Ant2 SISO



PSD NVNT ax20 2437MHz Ant2 SISO



PSD NVNT ax20 2462MHz Ant2 SISO



PSD NVNT ax20 2412MHz Ant1 MIMO



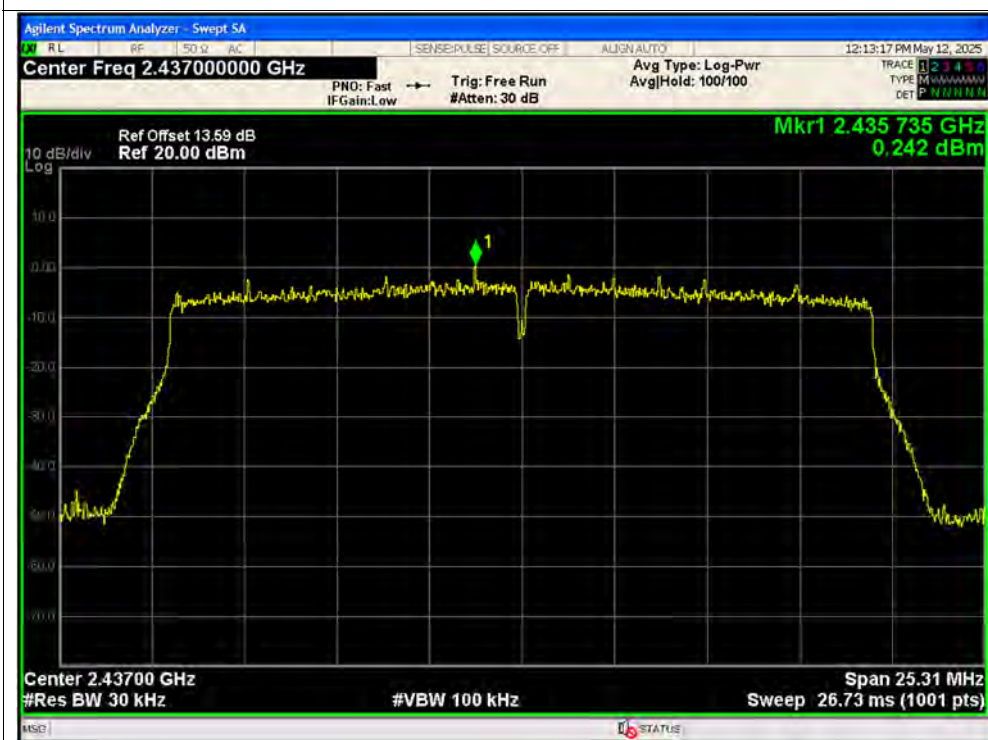
PSD NVNT ax20 2412MHz Ant2 MIMO



PSD NVNT ax20 2437MHz Ant1 MIMO



PSD NVNT ax20 2437MHz Ant2 MIMO



PSD NVNT ax20 2462MHz Ant1 MIMO



PSD NVNT ax20 2462MHz Ant2 MIMO





A.8. 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+Adapter+Router+RJ45+Camera1+Camera2+Camera3+Camera4+Mobile phone+WIFI TX

Test voltage: AC 120V/60Hz

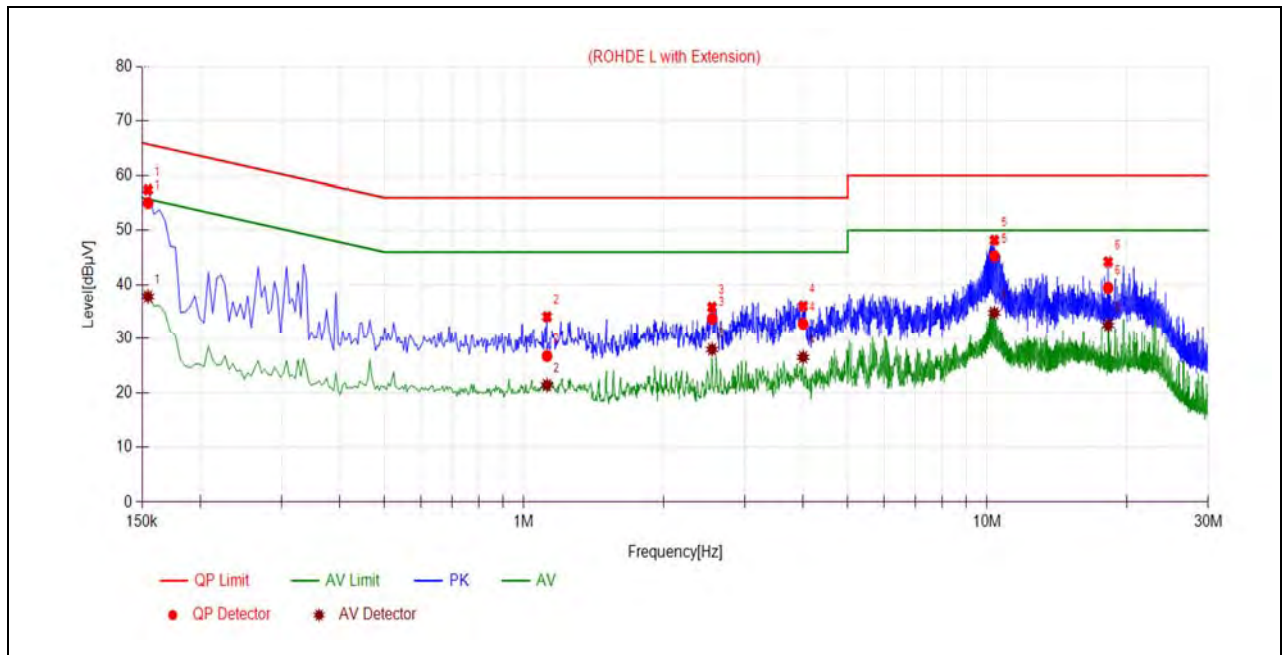
The measurement results are obtained as below:

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

U_R : Receiver Reading

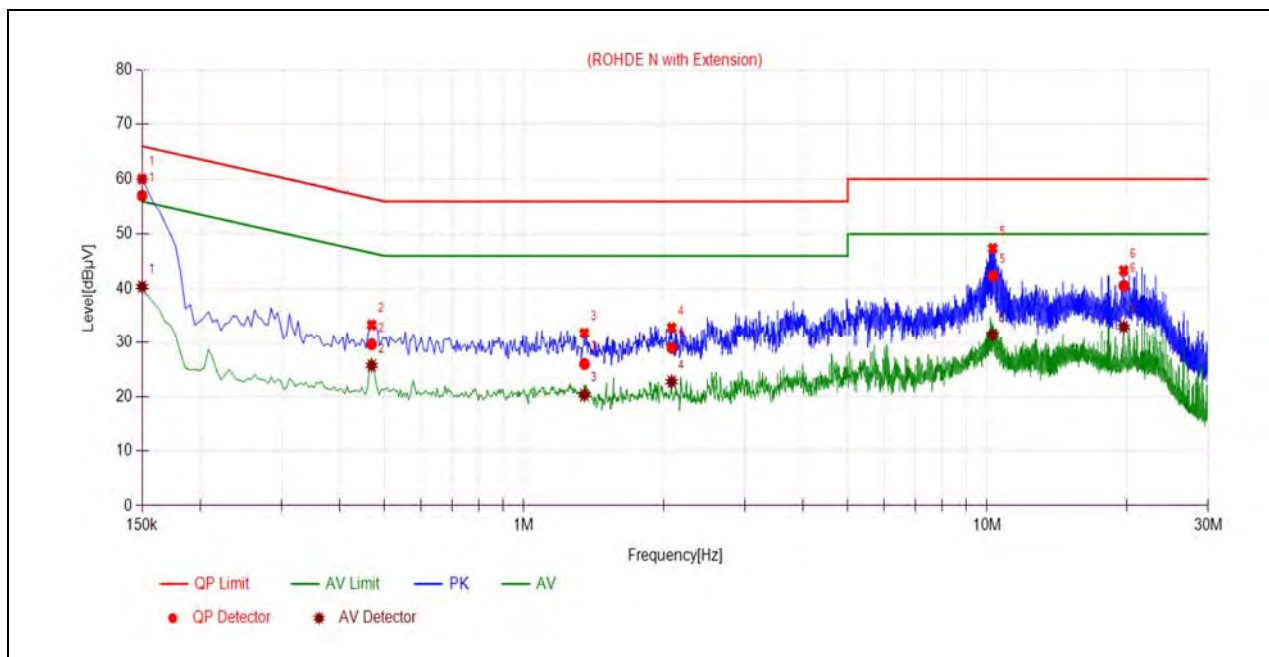
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1545	55.05	37.82	65.75	55.75	Line	PASS
2	1.1220	26.71	21.38	56.00	46.00		PASS
3	2.5483	33.76	27.93	56.00	46.00		PASS
4	4.0062	32.76	26.52	56.00	46.00		PASS
5	10.3648	45.28	34.79	60.00	50.00		PASS
6	18.2441	39.43	32.49	60.00	50.00		PASS



(N Phase)

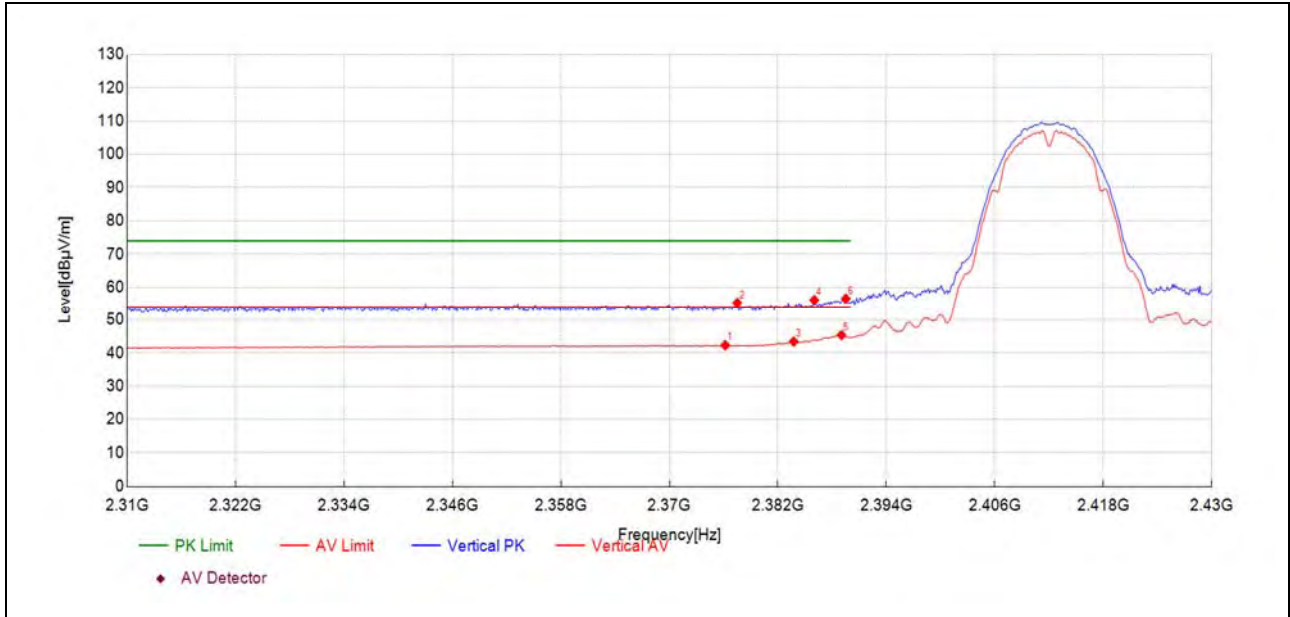
No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1500	57.05	40.36	66.00	56.00	Neutral	PASS
2	0.4695	29.63	25.70	56.52	46.52		PASS
3	1.3515	25.99	20.30	56.00	46.00		PASS
4	2.0849	28.96	22.73	56.00	46.00		PASS
5	10.2836	42.32	31.43	60.00	50.00		PASS
6	19.7096	40.53	32.95	60.00	50.00		PASS

A.9. Restricted Frequency Bands

Note 1: 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.

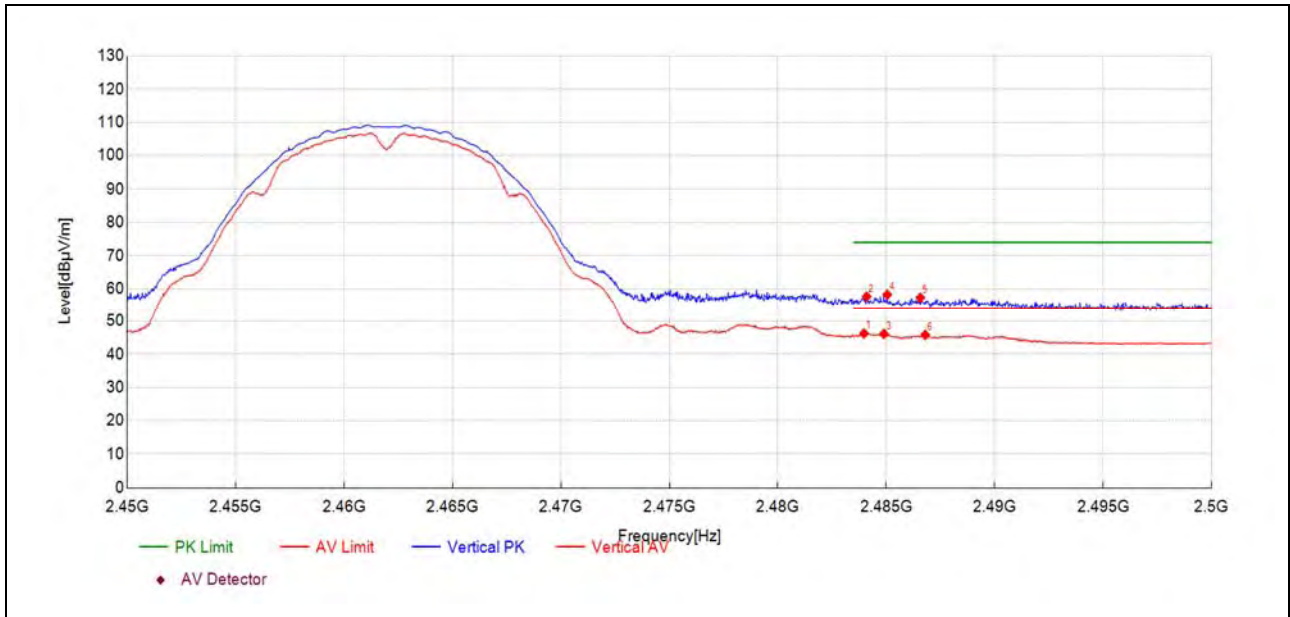
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11b Mode



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2376.19	9.8	42.30	32.490	54.00	11.70	150	360	AV	PASS
2377.51	22.8	55.29	32.500	74.00	18.71	150	68	PK	PASS
2383.75	10.9	43.41	32.520	54.00	10.59	150	274	AV	PASS
2386.04	23.6	56.15	32.530	74.00	17.85	150	313	PK	PASS
2389.04	12.8	45.35	32.540	54.00	8.65	150	274	AV	PASS
2389.52	24.0	56.58	32.540	74.00	17.42	150	274	PK	PASS

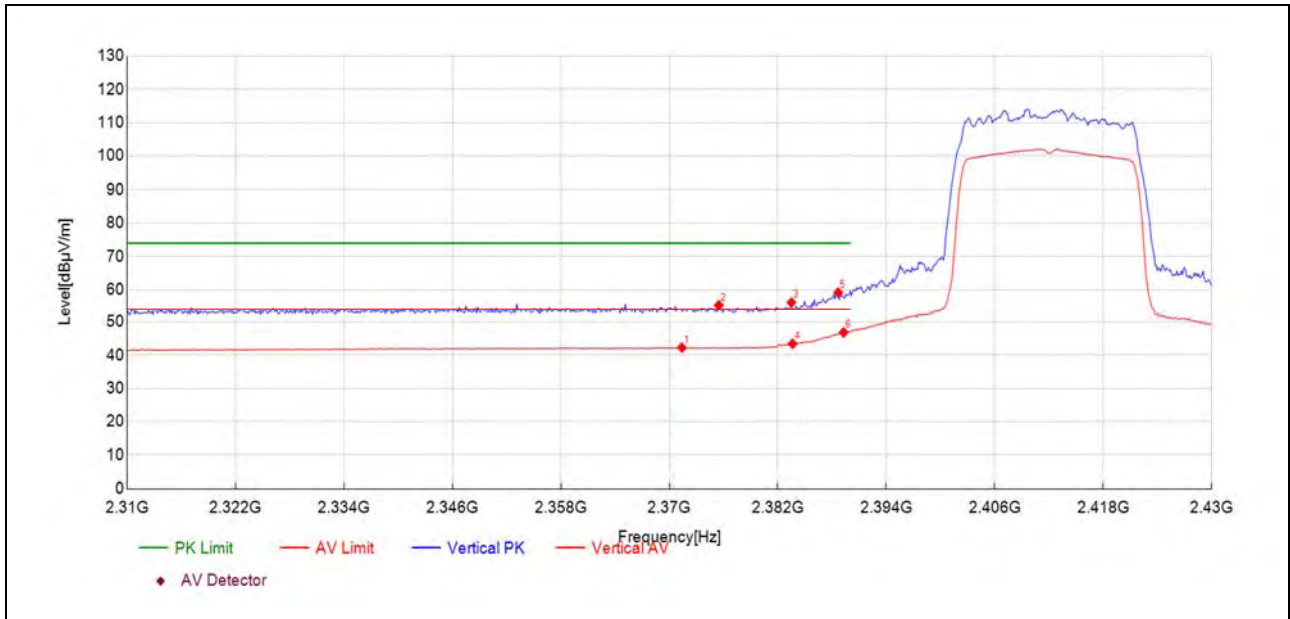
Plot for Channel 11



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2483.97	13.2	46.24	33.030	54.00	7.76	150	268	AV	PASS
2484.09	24.6	57.64	33.030	74.00	16.36	150	298	PK	PASS
2484.89	13.1	46.12	33.030	54.00	7.88	150	268	AV	PASS
2485.04	25.2	58.20	33.030	74.00	15.80	150	206	PK	PASS
2486.57	24.2	57.27	33.030	74.00	16.73	150	237	PK	PASS
2486.79	12.8	45.80	33.030	54.00	8.20	150	277	AV	PASS

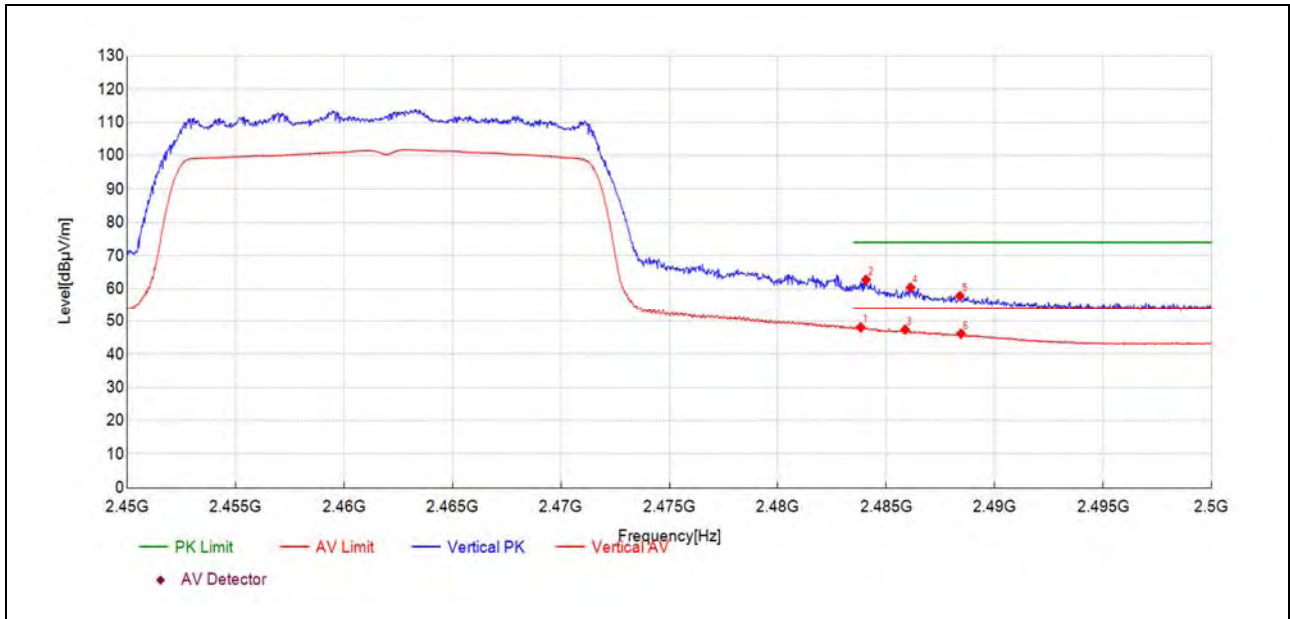
**802.11ax (HEW20) Mode**

Plot for Channel 1



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2371.38	9.8	42.27	32.470	54.00	11.73	150	147	AV	PASS
2375.47	22.8	55.30	32.490	74.00	18.70	150	215	PK	PASS
2383.51	23.6	56.12	32.520	74.00	17.88	150	274	PK	PASS
2383.63	10.9	43.42	32.520	54.00	10.58	150	264	AV	PASS
2388.68	26.6	59.12	32.540	74.00	14.88	150	215	PK	PASS
2389.28	14.3	46.85	32.540	54.00	7.15	150	206	AV	PASS

Plot for Channel 11



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2483.82	15.1	48.08	33.030	54.00	5.92	150	186	AV	PASS
2484.07	29.7	62.70	33.030	74.00	11.30	150	186	PK	PASS
2485.87	14.4	47.39	33.030	54.00	6.61	150	186	AV	PASS
2486.12	27.3	60.36	33.030	74.00	13.64	150	258	PK	PASS
2488.39	24.8	57.80	33.020	74.00	16.20	150	216	PK	PASS
2488.44	13.2	46.19	33.020	54.00	7.81	150	186	AV	PASS



A.10. 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 (X axis) test condition was recorded in this test report.

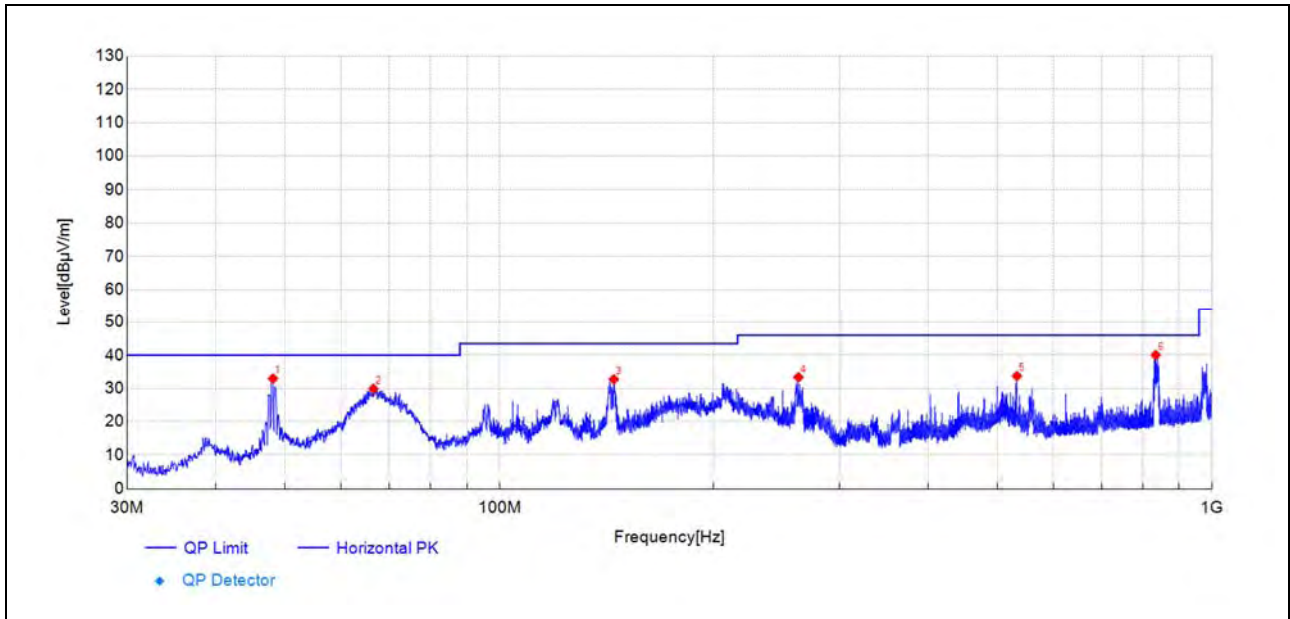
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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 and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded.

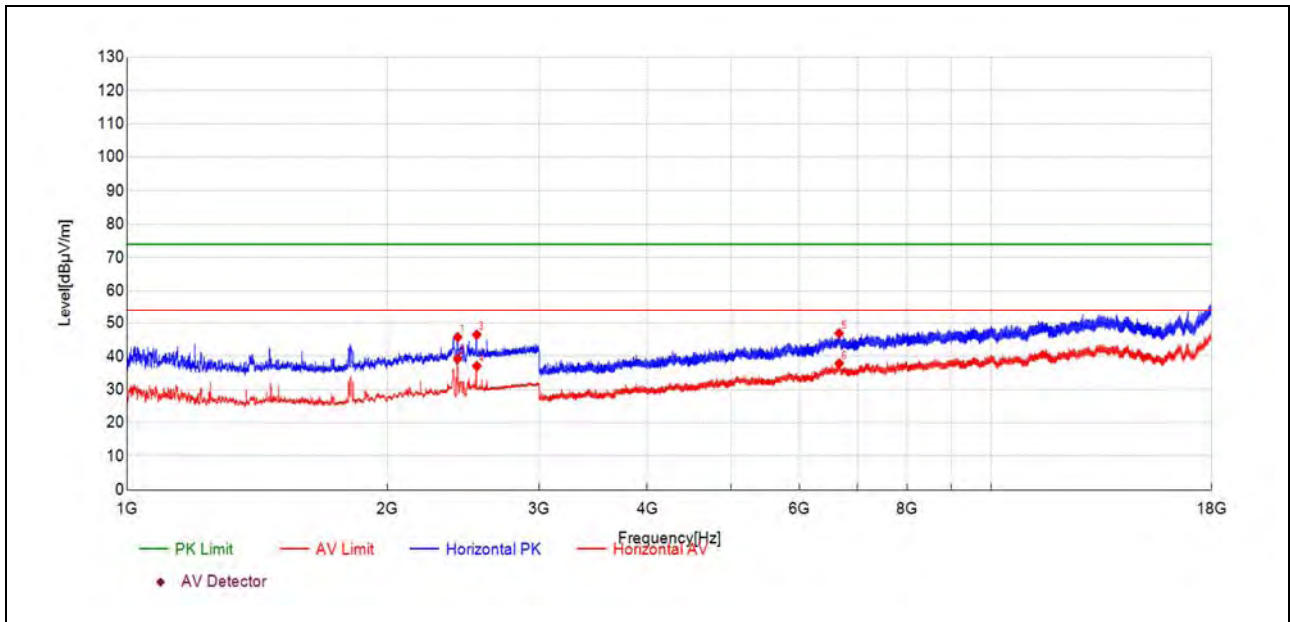
**802.11b Mode**

Plot for Channel 1



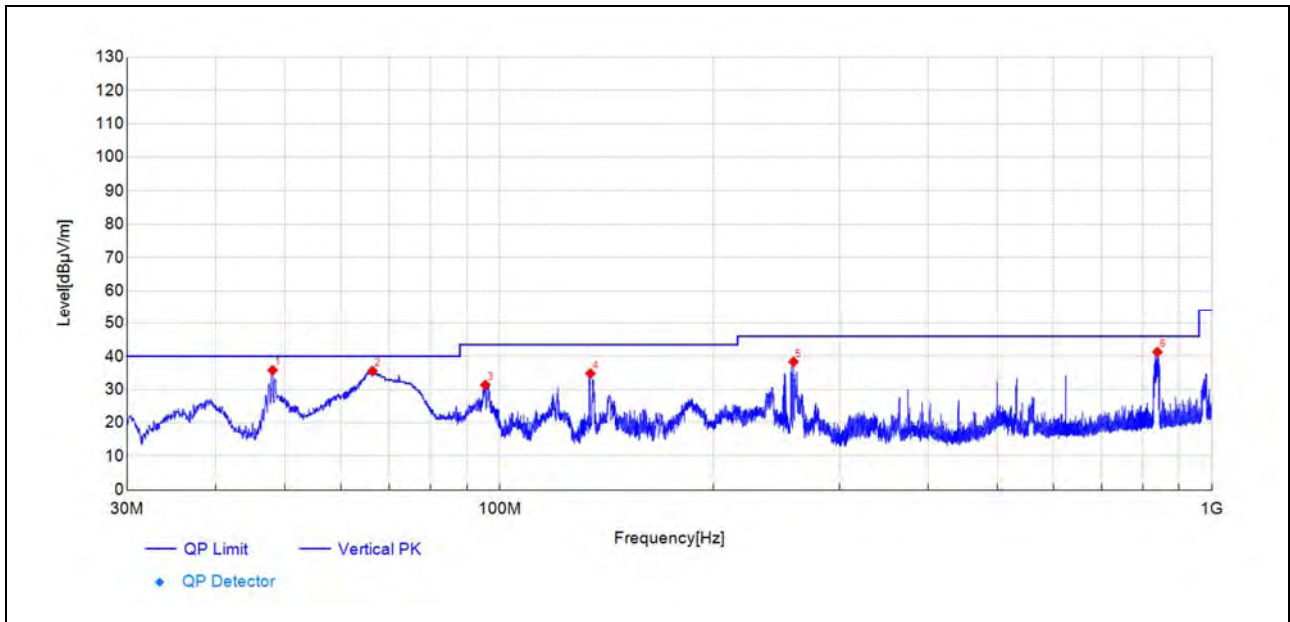
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
48.09	61.3	32.98	-28.300	40.00	7.02	150	349	PK	PASS
66.52	63.1	29.87	-33.200	40.00	10.13	150	80	PK	PASS
144.76	66.3	32.75	-33.540	43.50	10.75	150	175	PK	PASS
262.91	61.3	33.36	-27.900	46.00	12.64	150	175	PK	PASS
532.78	55.1	33.74	-21.390	46.00	12.26	150	269	PK	PASS
834.51	56.0	40.04	-15.910	46.00	5.96	150	255	PK	PASS



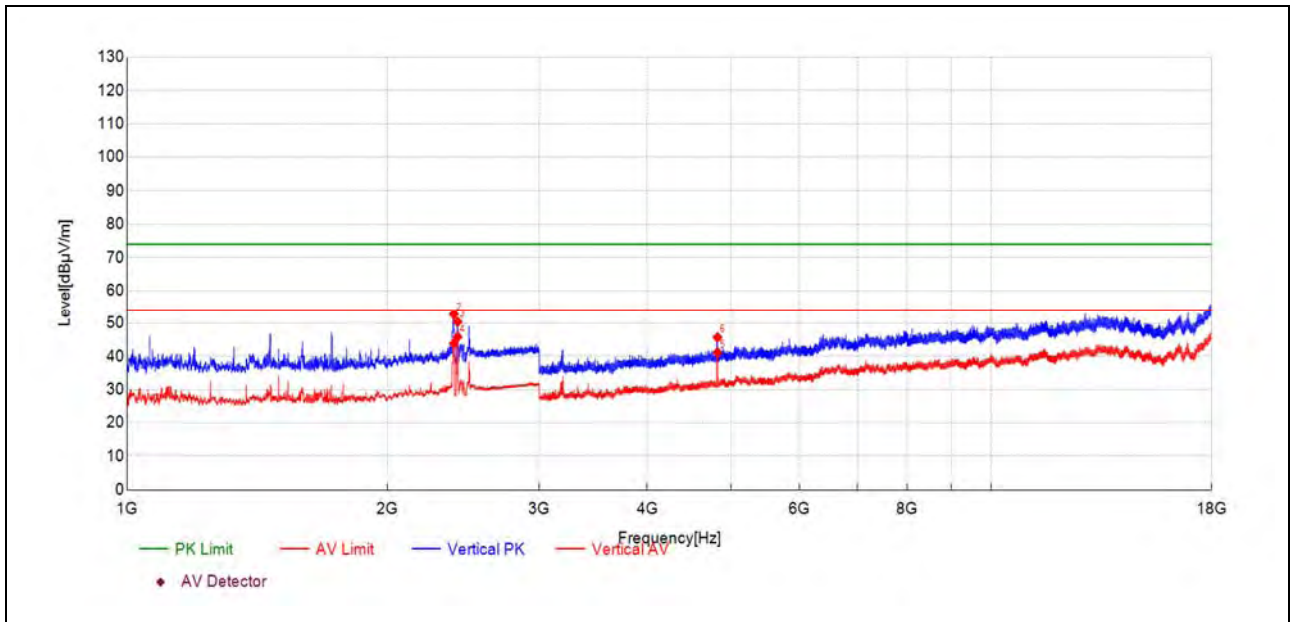
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2413.65	44.9	45.75	0.830	74.00	28.25	150	162	PK	NA
2413.65	38.4	39.24	0.830	54.00	14.76	150	148	AV	NA
2539.45	45.7	46.50	0.840	74.00	27.50	150	358	PK	PASS
2539.90	36.2	37.06	0.840	54.00	16.94	150	358	AV	PASS
6670.12	50.7	46.89	-3.790	74.00	27.11	150	225	PK	PASS
6671.12	41.7	37.86	-3.790	54.00	16.14	150	108	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
48.04	64.1	35.80	-28.290	40.00	4.20	150	37	PK	PASS
66.33	68.7	35.58	-33.120	40.00	4.42	150	360	PK	PASS
95.53	62.0	31.39	-30.600	43.50	12.11	150	251	PK	PASS
134.18	68.3	34.81	-33.460	43.50	8.69	150	91	PK	PASS
258.74	66.3	38.35	-27.980	46.00	7.65	150	277	PK	PASS
839.07	57.1	41.26	-15.830	46.00	4.74	150	239	PK	PASS

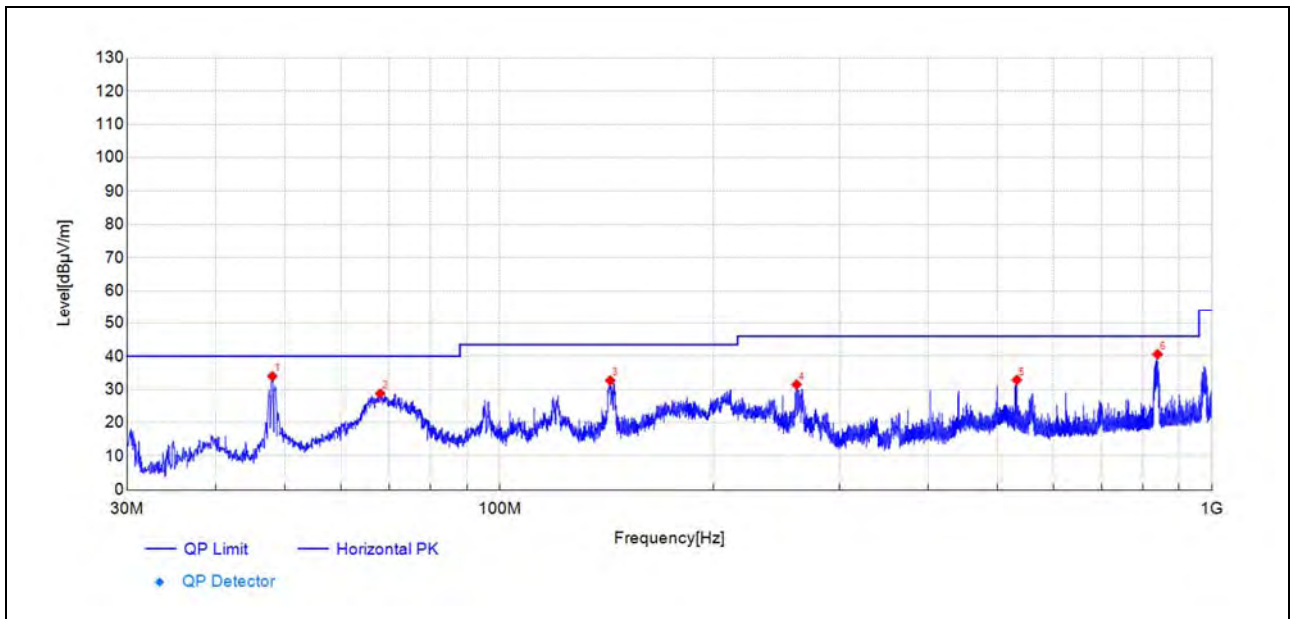


(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2388.75	43.1	43.83	0.730	54.00	10.17	150	273	AV	PASS
2389.64	51.9	52.68	0.750	74.00	21.32	150	273	PK	PASS
2413.20	49.6	50.38	0.820	74.00	23.62	150	285	PK	NA
2413.65	45.0	45.86	0.830	54.00	8.14	150	285	AV	NA
4824.06	51.7	41.17	-10.550	54.00	12.83	150	305	AV	PASS
4824.06	56.2	45.69	-10.550	74.00	28.31	150	305	PK	PASS

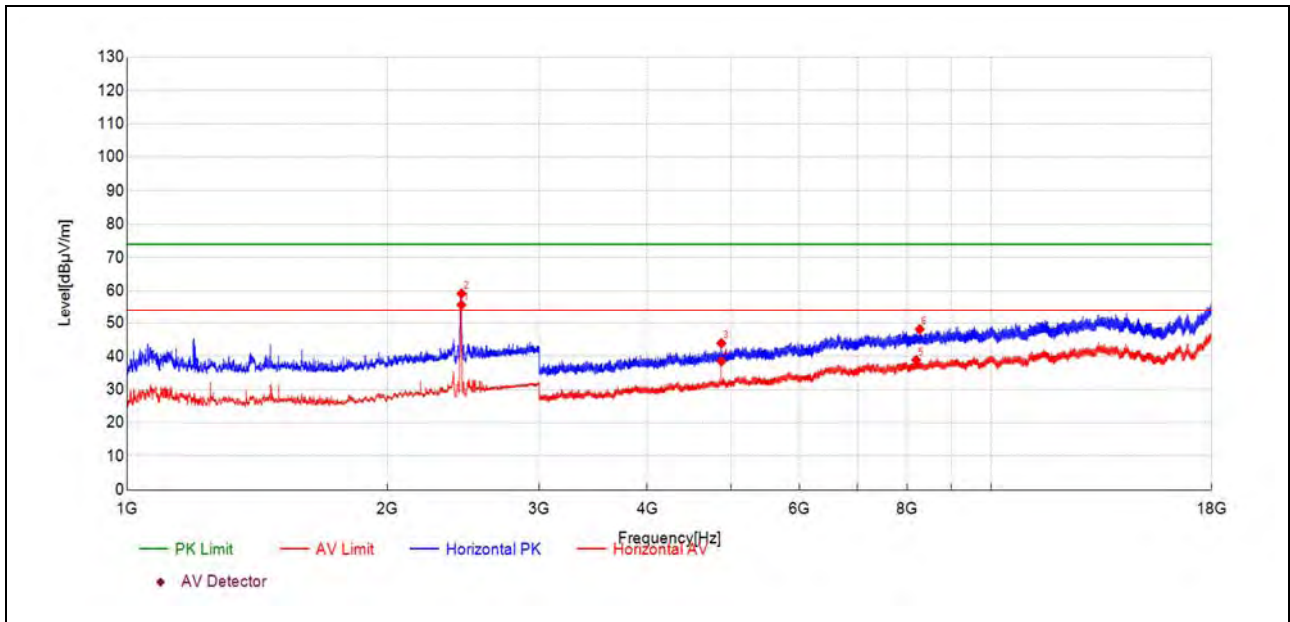


Plot for Channel 6



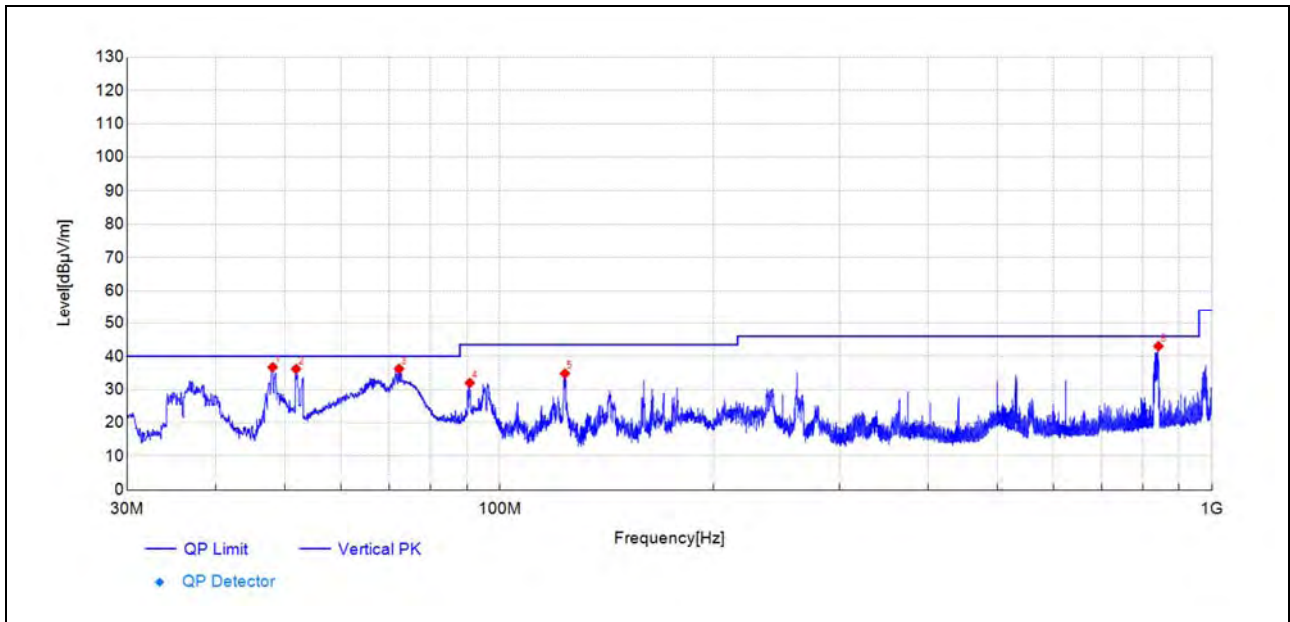
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
47.99	62.3	33.98	-28.290	40.00	6.02	150	10	PK	PASS
68.03	62.6	28.76	-33.790	40.00	11.24	150	306	PK	PASS
143.06	66.3	32.71	-33.560	43.50	10.79	150	185	PK	PASS
261.36	59.4	31.47	-27.940	46.00	14.53	150	172	PK	PASS
532.68	54.3	32.87	-21.390	46.00	13.13	150	226	PK	PASS
839.55	56.4	40.59	-15.820	46.00	5.41	150	252	PK	PASS



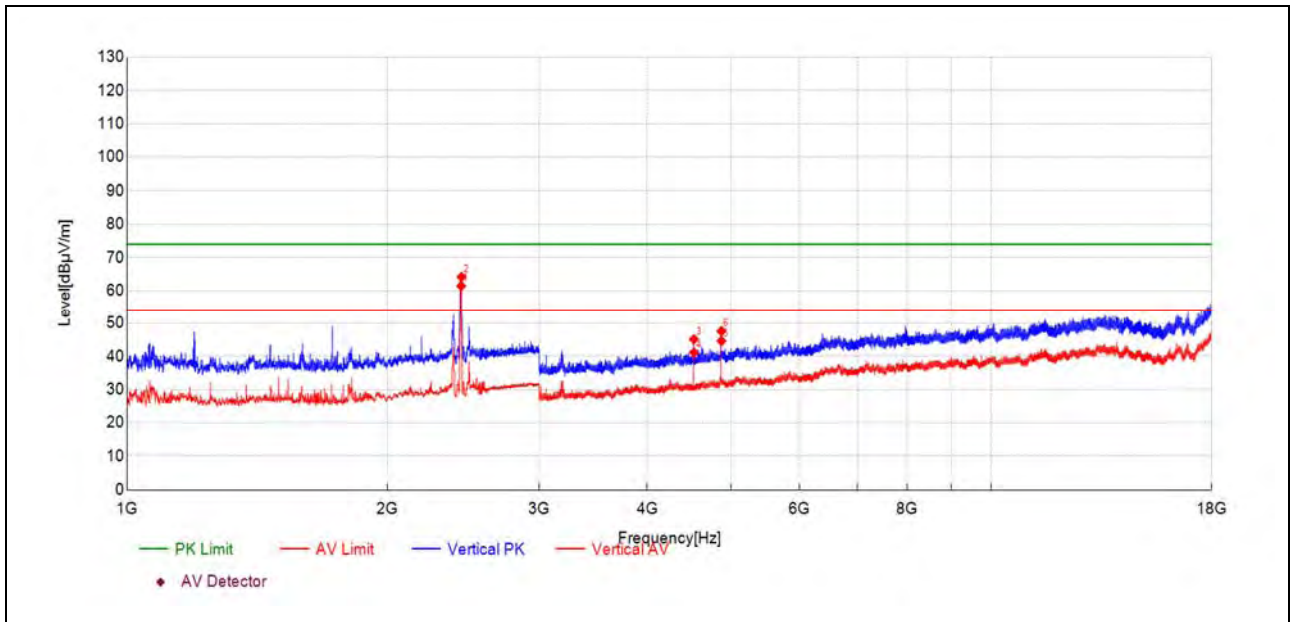
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2437.65	54.8	55.75	1.000	54.00	-1.75	150	145	AV	NA
2438.10	58.1	59.13	0.990	74.00	14.87	150	145	PK	NA
4873.56	54.0	43.89	-10.070	74.00	30.11	150	210	PK	PASS
4874.06	48.6	38.51	-10.070	54.00	15.49	150	1	AV	PASS
8189.67	42.0	38.84	-3.190	54.00	15.16	150	349	AV	PASS
8267.68	51.3	48.12	-3.220	74.00	25.88	150	7	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
48.04	65.0	36.71	-28.290	40.00	3.29	150	67	PK	PASS
51.83	65.0	36.17	-28.820	40.00	3.83	150	67	PK	PASS
72.29	71.1	36.25	-34.890	40.00	3.75	150	3	PK	PASS
90.87	63.7	32.01	-31.720	43.50	11.49	150	67	PK	PASS
123.56	67.6	34.82	-32.750	43.50	8.68	150	67	PK	PASS
841.83	58.8	43.04	-15.740	46.00	2.96	150	228	PK	PASS

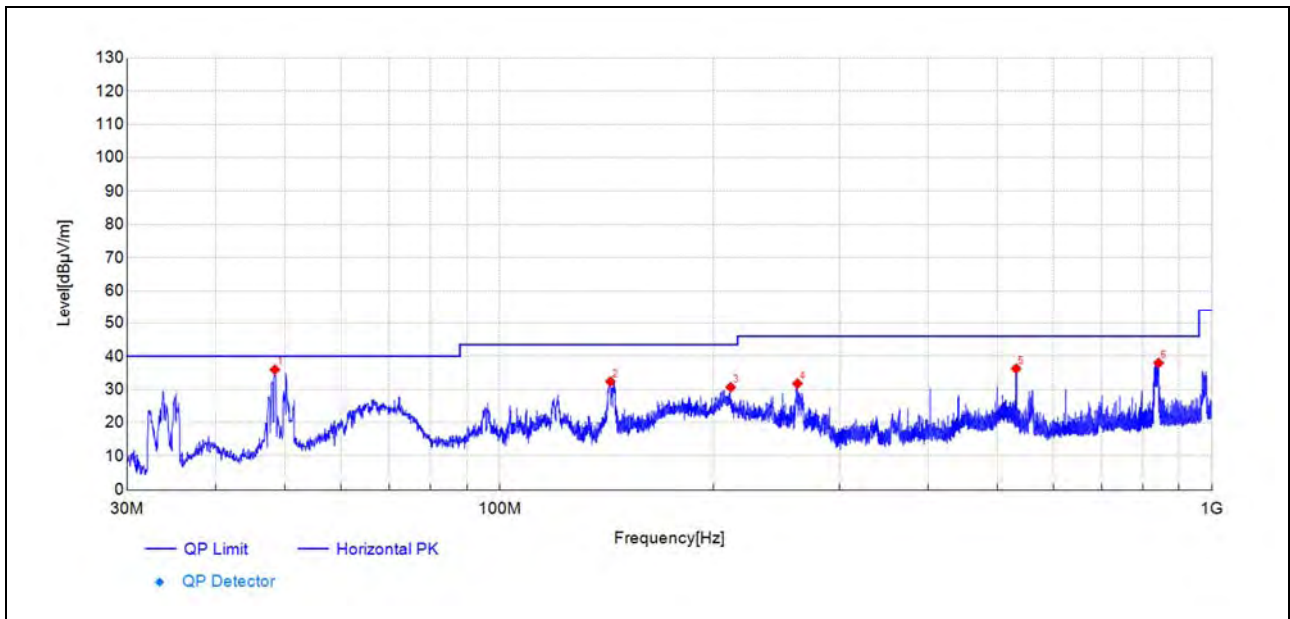


(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2436.32	60.5	61.43	0.980	54.00	-7.43	150	287	AV	NA
2438.10	63.2	64.14	0.990	74.00	9.86	150	299	PK	NA
4529.05	56.8	45.12	-11.660	74.00	28.88	150	257	PK	PASS
4529.55	52.8	41.14	-11.650	54.00	12.86	150	257	AV	PASS
4873.56	54.7	44.61	-10.070	54.00	9.39	150	187	AV	PASS
4874.06	57.7	47.58	-10.070	74.00	26.42	150	187	PK	PASS

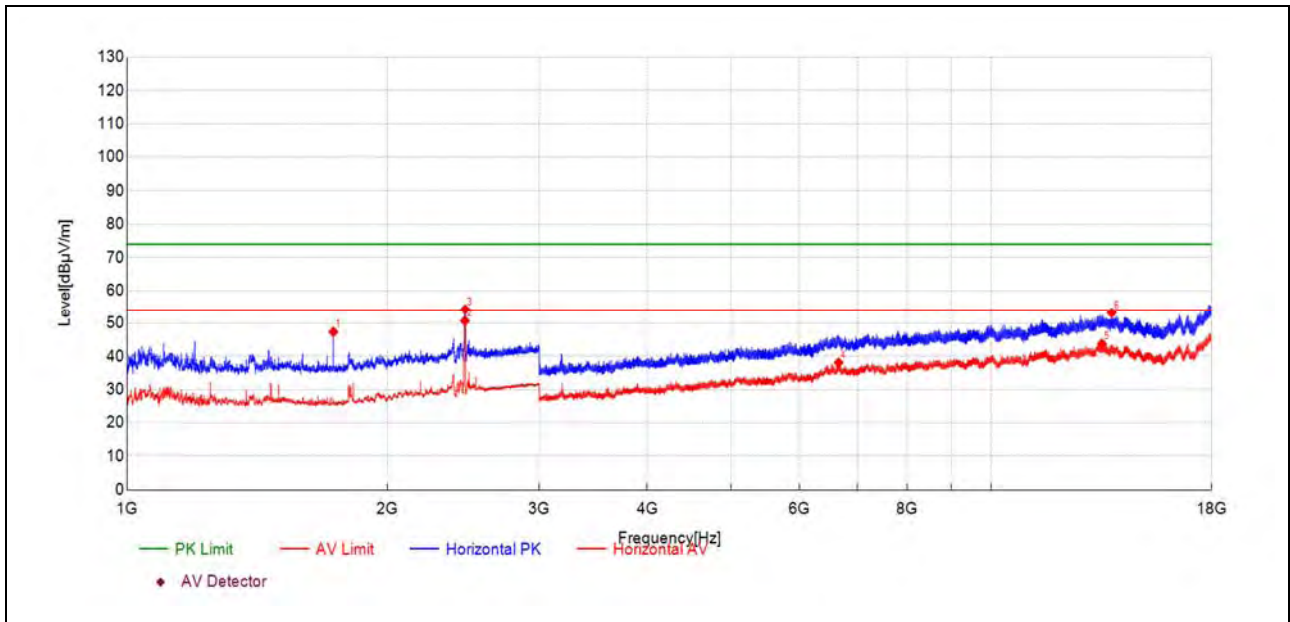


Plot for Channel 11



(Antenna Horizontal, 30MHz to 1GHz)

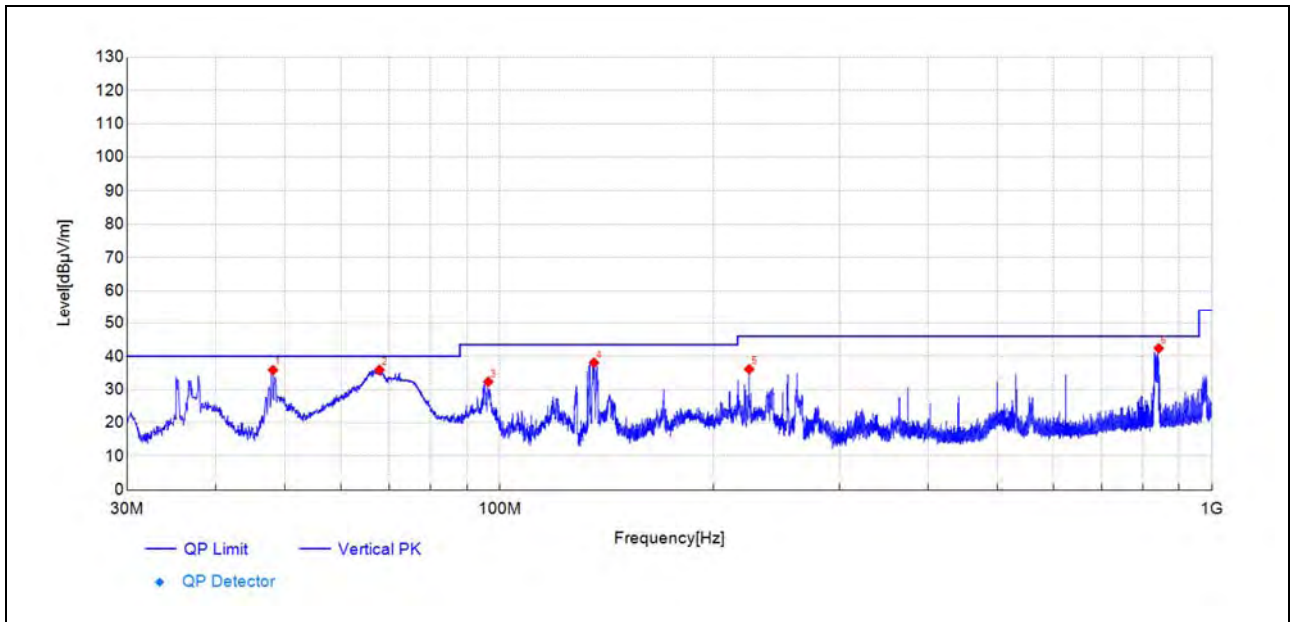
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
48.38	64.3	35.95	-28.320	40.00	4.05	150	104	PK	PASS
143.16	65.9	32.38	-33.560	43.50	11.12	150	198	PK	PASS
211.16	60.4	30.68	-29.760	43.50	12.82	150	239	PK	PASS
262.08	59.7	31.76	-27.920	46.00	14.24	150	212	PK	PASS
531.37	57.7	36.25	-21.400	46.00	9.75	150	267	PK	PASS
842.51	53.7	37.96	-15.710	46.00	8.04	150	239	PK	PASS



(Antenna Horizontal, 1GHz to 18GHz)

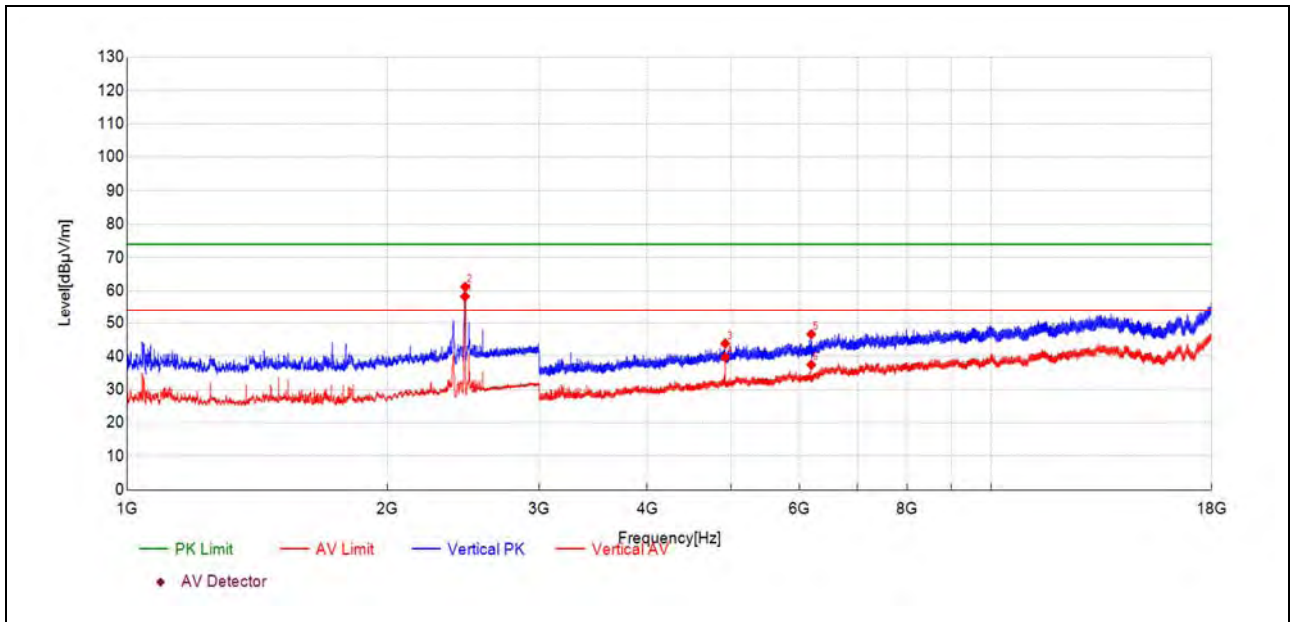
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1733.05	51.8	47.37	-4.420	74.00	26.63	150	239	PK	NA
2461.21	49.7	50.71	1.020	54.00	3.29	150	296	AV	NA
2462.10	53.2	54.25	1.020	74.00	19.75	150	308	PK	PASS
6662.12	41.8	38.07	-3.770	54.00	15.93	150	256	AV	PASS
13437.85	39.0	43.75	4.730	54.00	10.25	150	208	AV	PASS
13788.86	47.7	53.17	5.450	74.00	20.83	150	279	PK	PASS





(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
48.09	64.2	35.87	-28.300	40.00	4.13	150	108	PK	PASS
67.83	69.6	35.93	-33.710	40.00	4.07	150	1	PK	PASS
96.45	62.8	32.35	-30.460	43.50	11.15	150	243	PK	PASS
135.74	71.6	38.05	-33.530	43.50	5.45	150	202	PK	PASS
224.25	65.1	36.11	-29.000	46.00	9.89	150	214	PK	PASS
842.61	58.1	42.38	-15.710	46.00	3.62	150	228	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2461.21	57.3	58.27	1.020	54.00	-4.27	150	275	AV	NA
2462.10	60.2	61.17	1.020	74.00	12.83	150	275	PK	NA
4923.56	53.8	43.82	-9.970	74.00	30.18	150	187	PK	PASS
4923.56	49.7	39.68	-9.970	54.00	14.32	150	187	AV	PASS
6192.61	53.4	46.64	-6.800	74.00	27.36	150	231	PK	PASS
6192.61	44.3	37.46	-6.800	54.00	16.54	150	231	AV	PASS



END OF REPORT