Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Baby Swing

Test Model: B009A

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Joker Hu
Supervised by:	Ling Zhu

A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.021	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.001	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.973	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.305	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.287	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.285	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.285	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.311	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.302	N/A	Pass

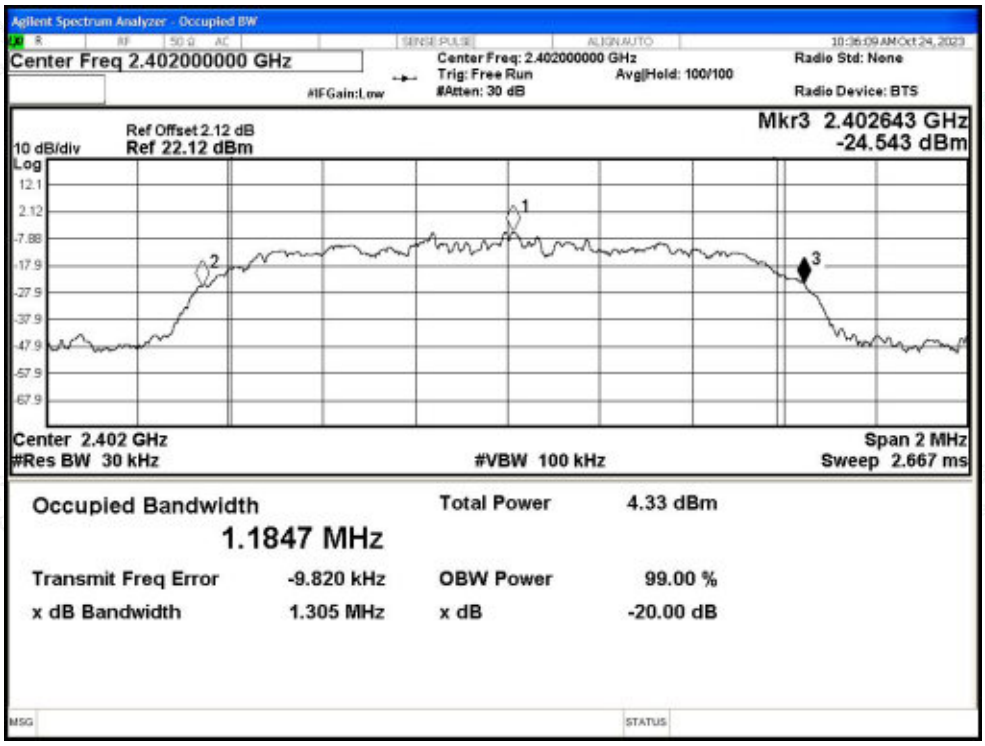
Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

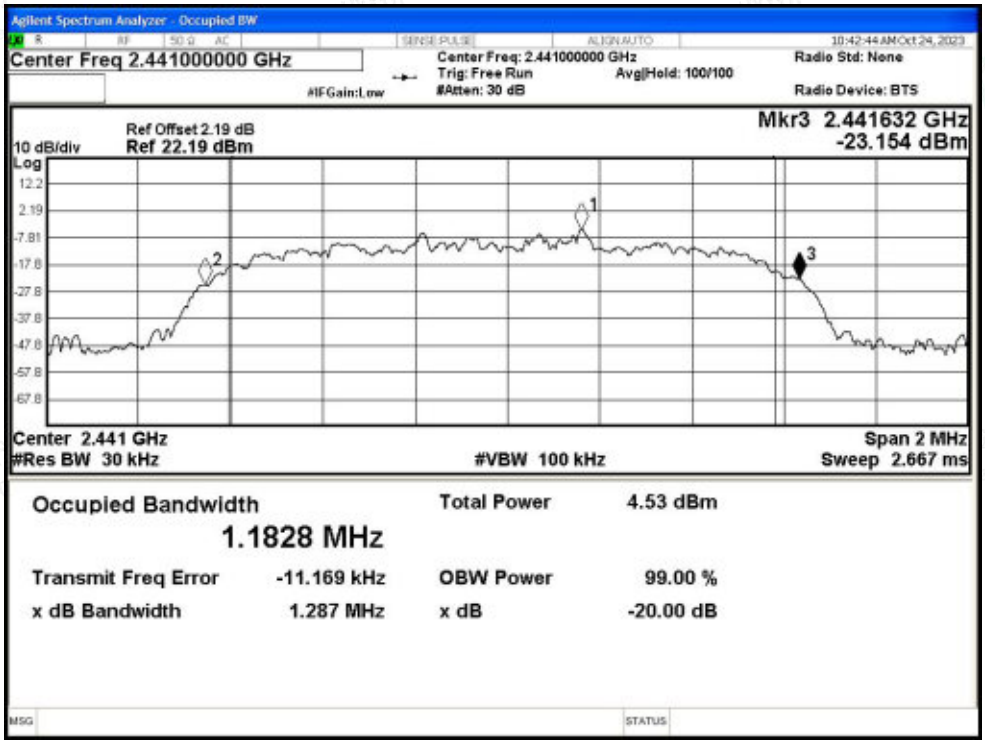
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

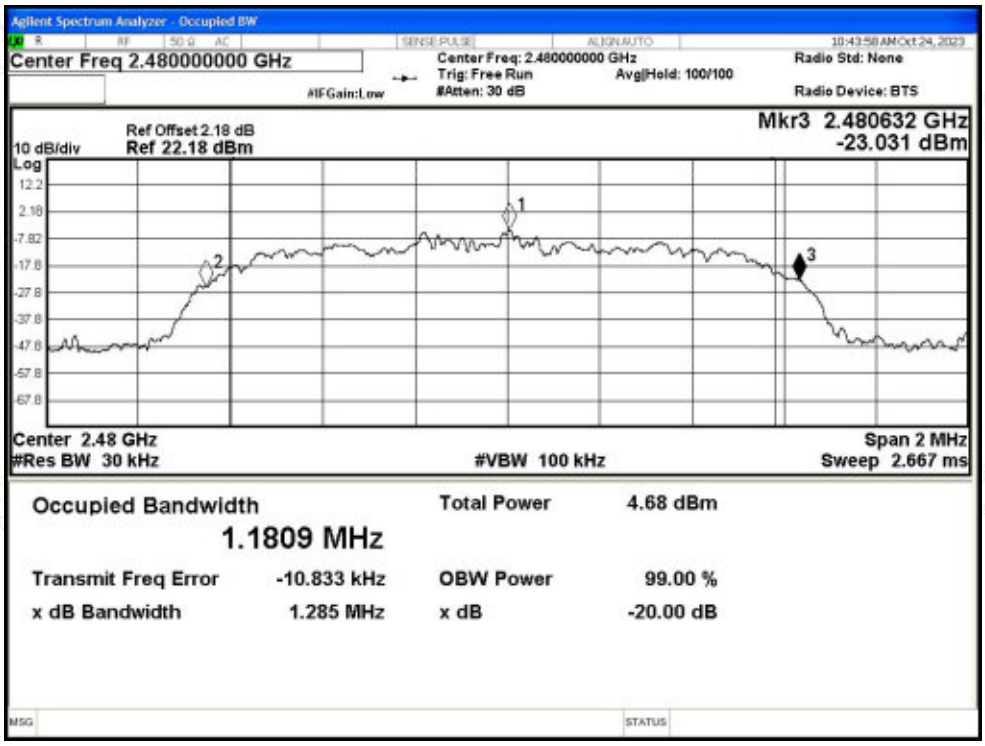
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



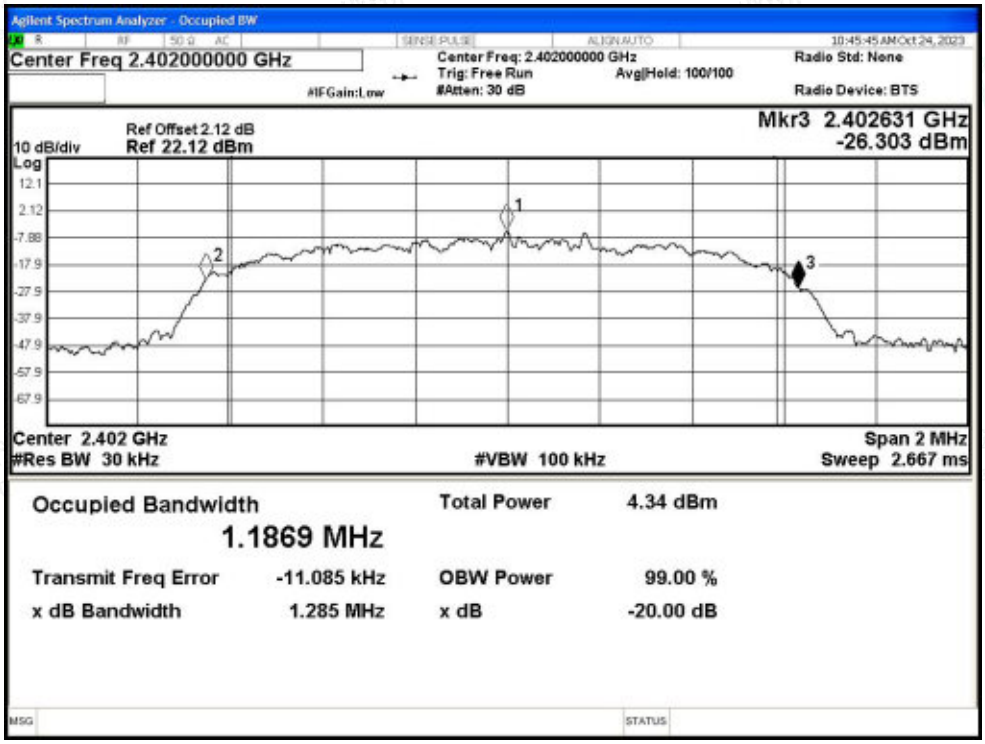
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



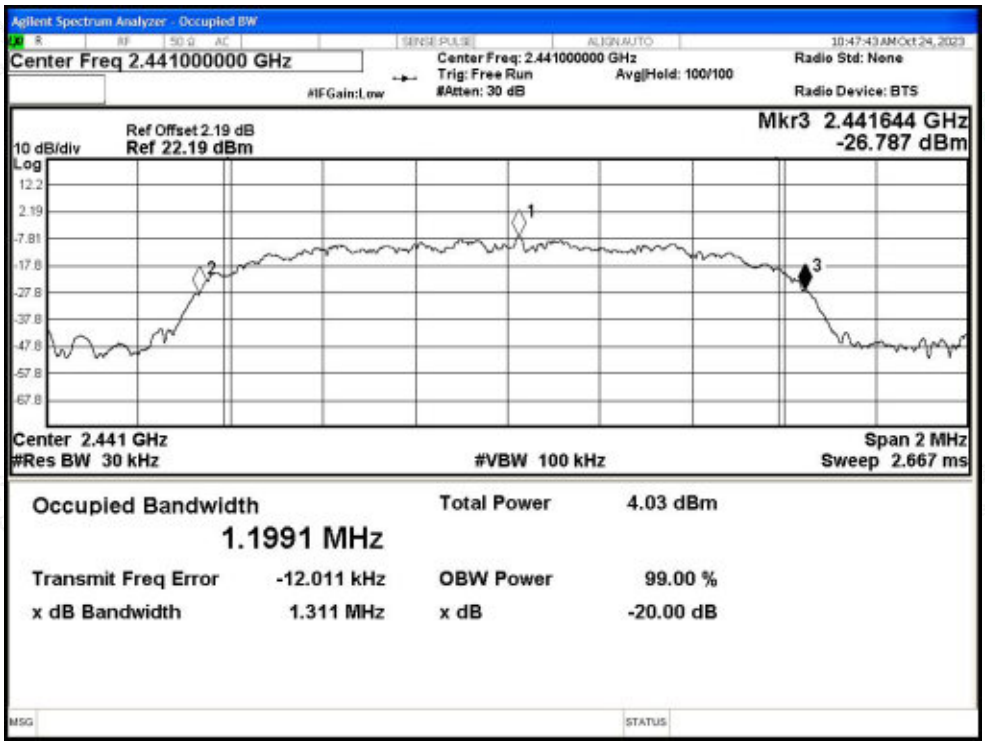
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



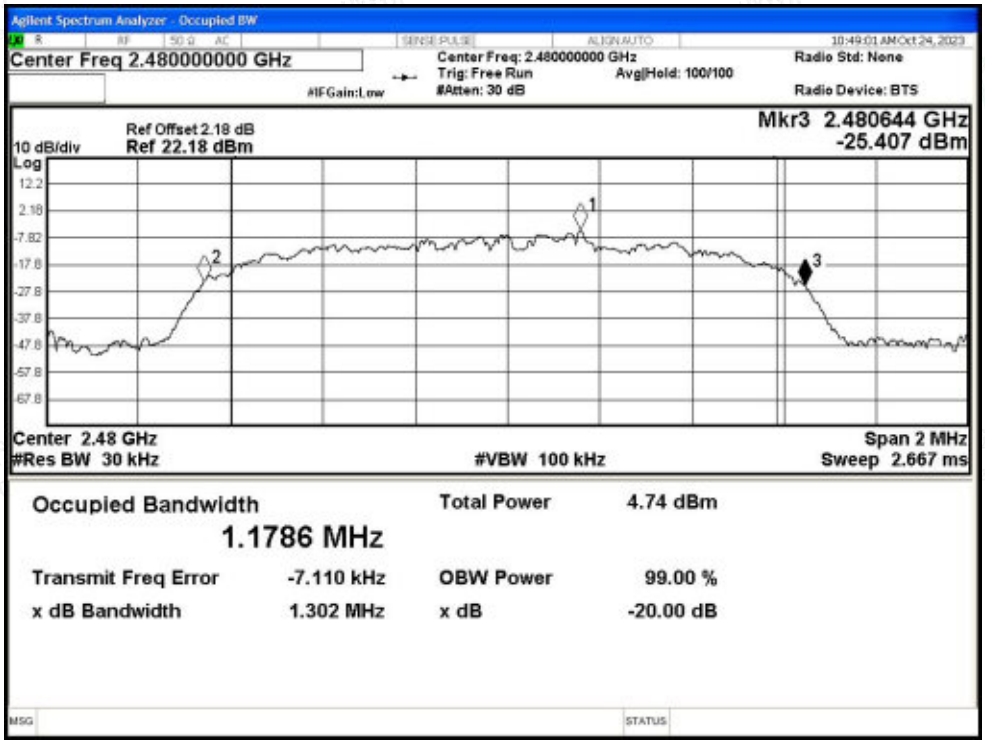
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

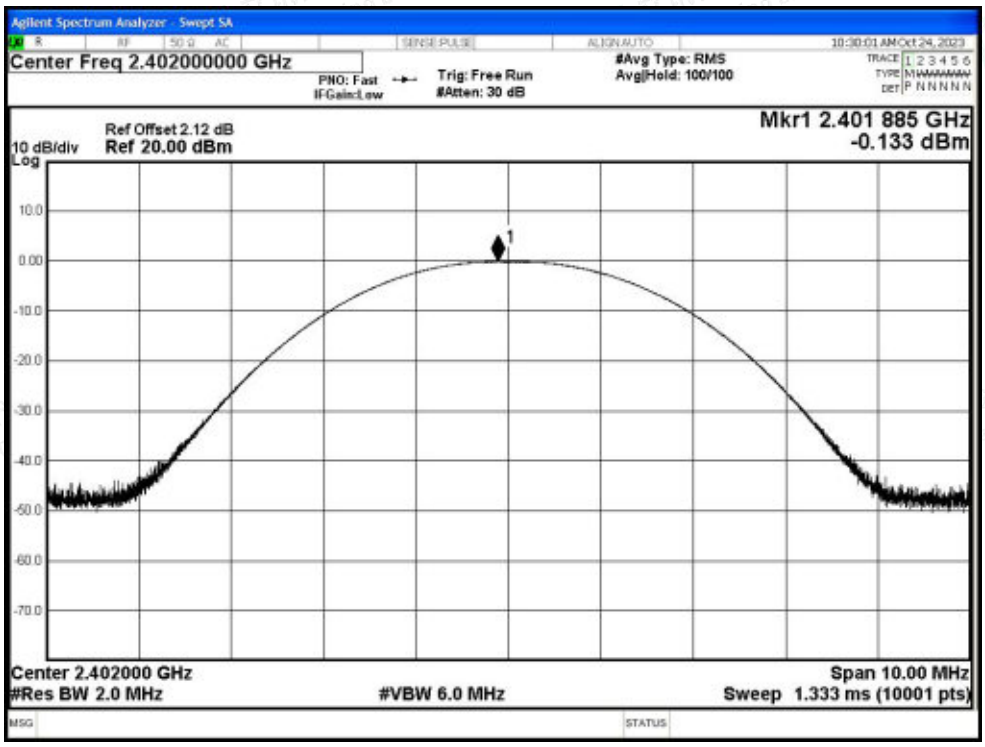


A.2 Maximum Conducted Output Power

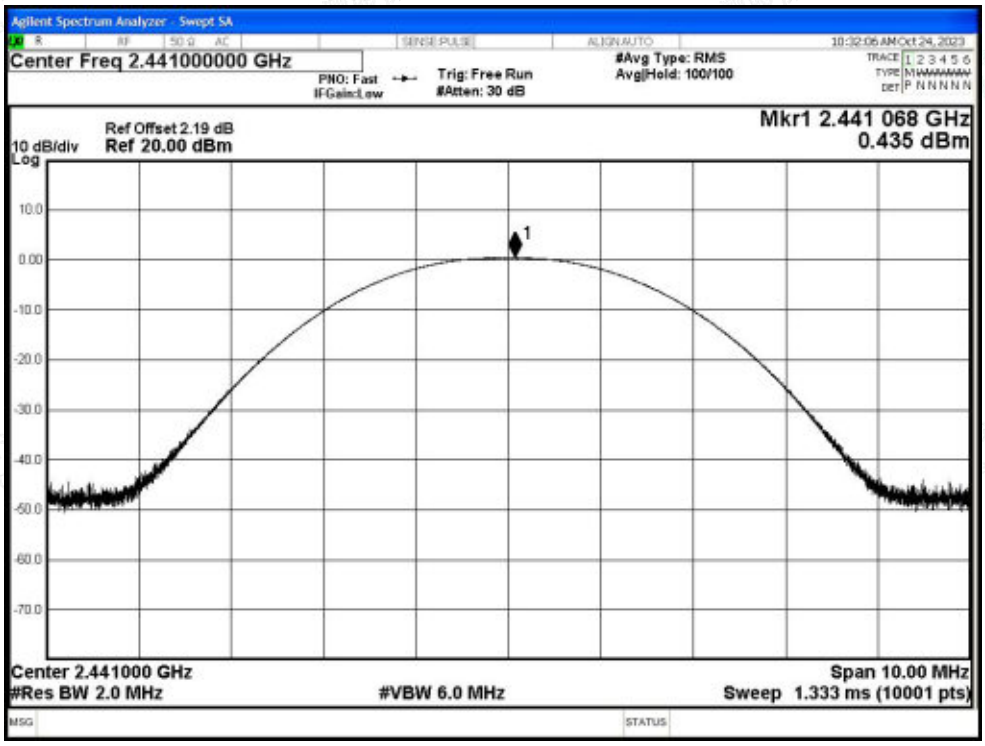
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.13	21	Pass
NVNT	1-DH5	2441	Ant1	0.44	21	Pass
NVNT	1-DH5	2480	Ant1	0.41	21	Pass
NVNT	2-DH5	2402	Ant1	-0.11	21	Pass
NVNT	2-DH5	2441	Ant1	0.25	21	Pass
NVNT	2-DH5	2480	Ant1	0.24	21	Pass
NVNT	3-DH5	2402	Ant1	0.02	21	Pass
NVNT	3-DH5	2441	Ant1	0.27	21	Pass
NVNT	3-DH5	2480	Ant1	0.25	21	Pass

Test Graphs

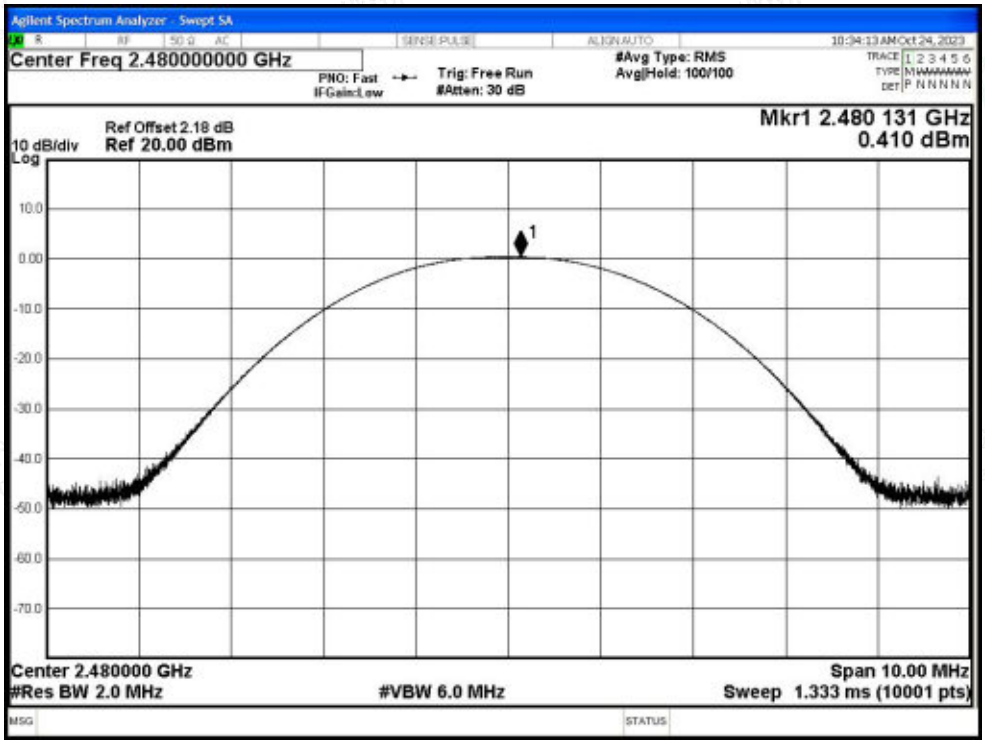
Power NVNT 1-DH5 2402MHz Ant1



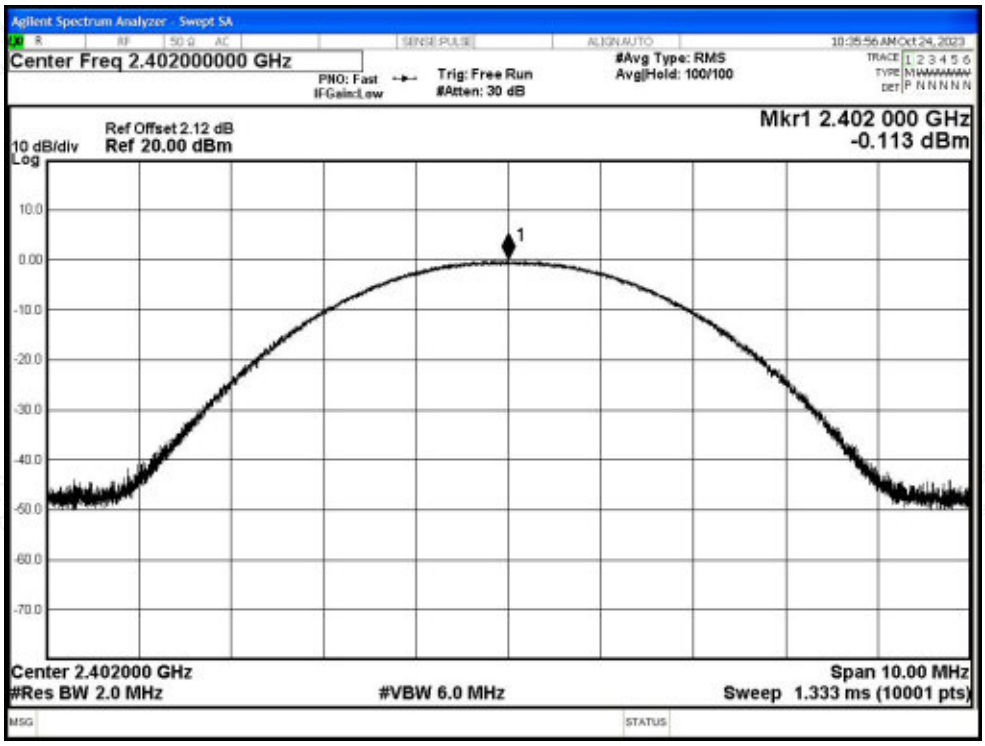
Power NVNT 1-DH5 2441MHz Ant1



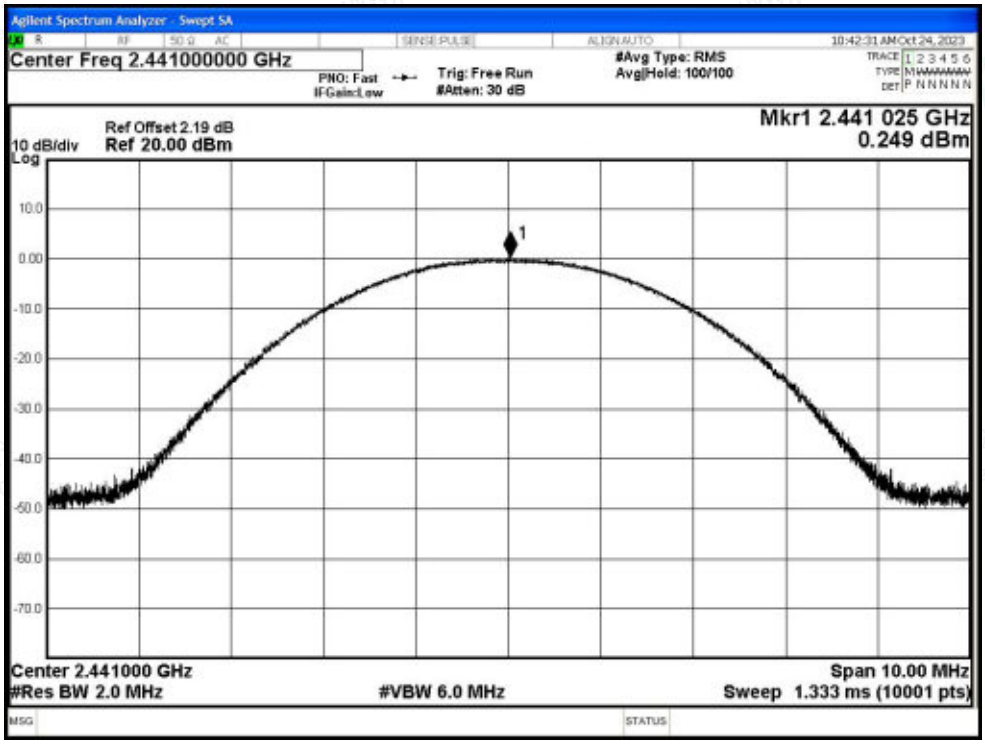
Power NVNT 1-DH5 2480MHz Ant1



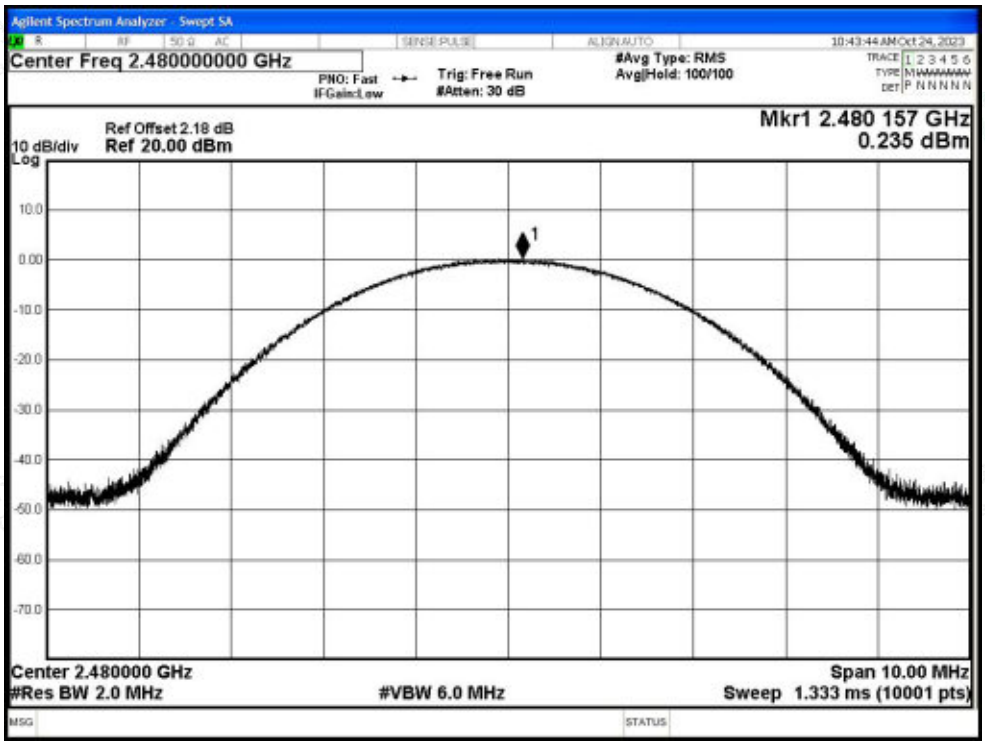
Power NVNT 2-DH5 2402MHz Ant1



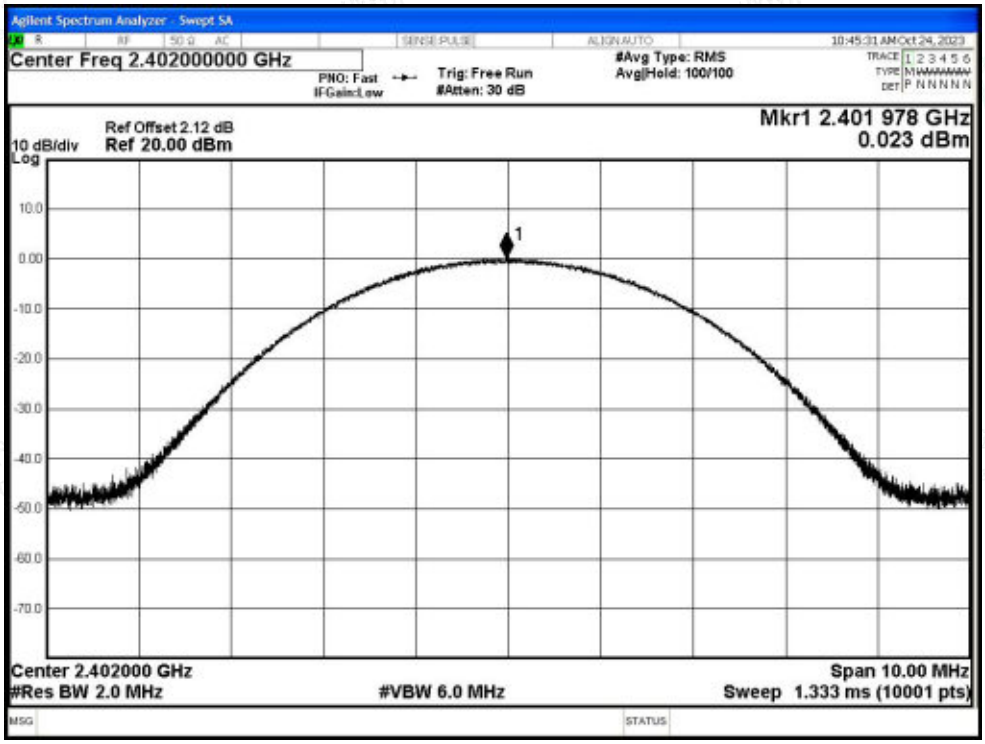
Power NVNT 2-DH5 2441MHz Ant1



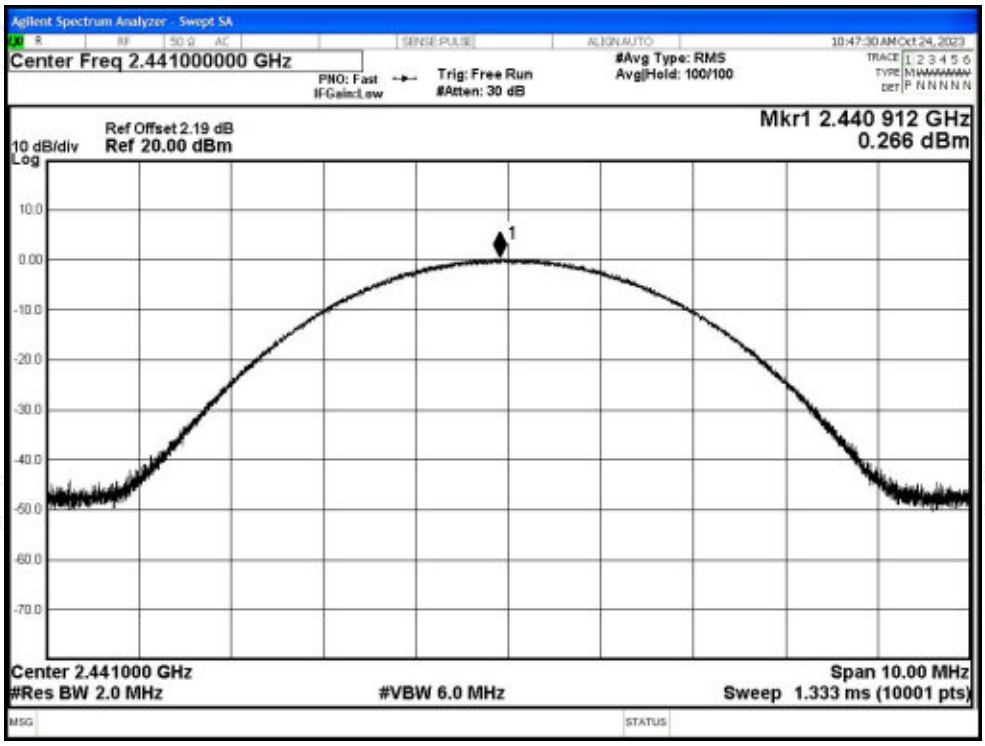
Power NVNT 2-DH5 2480MHz Ant1



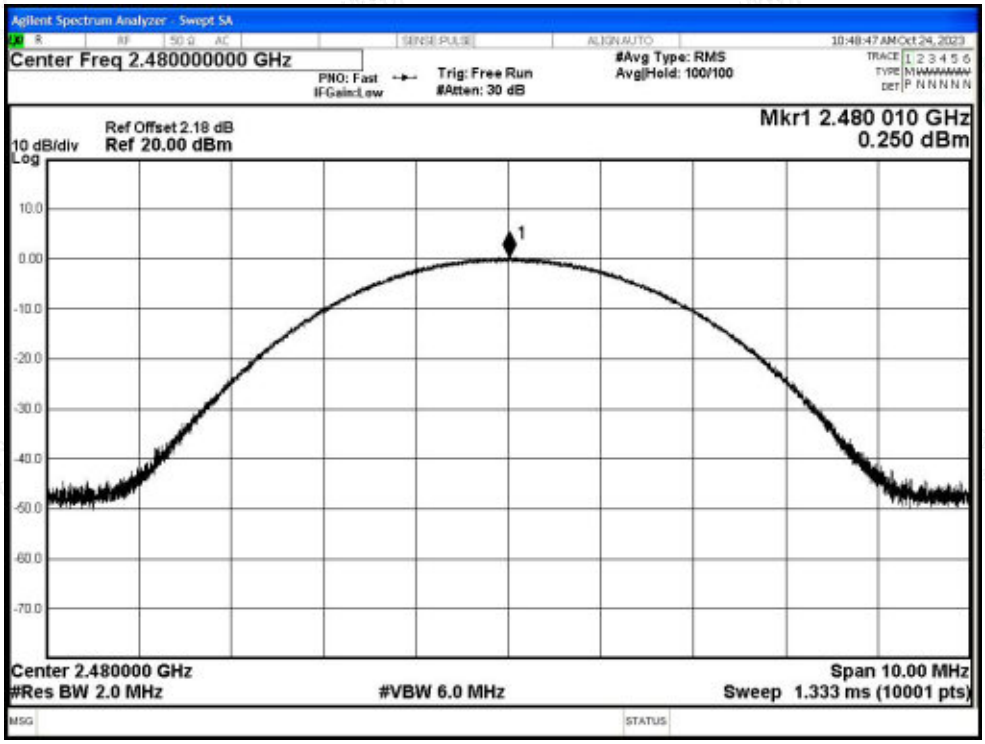
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1

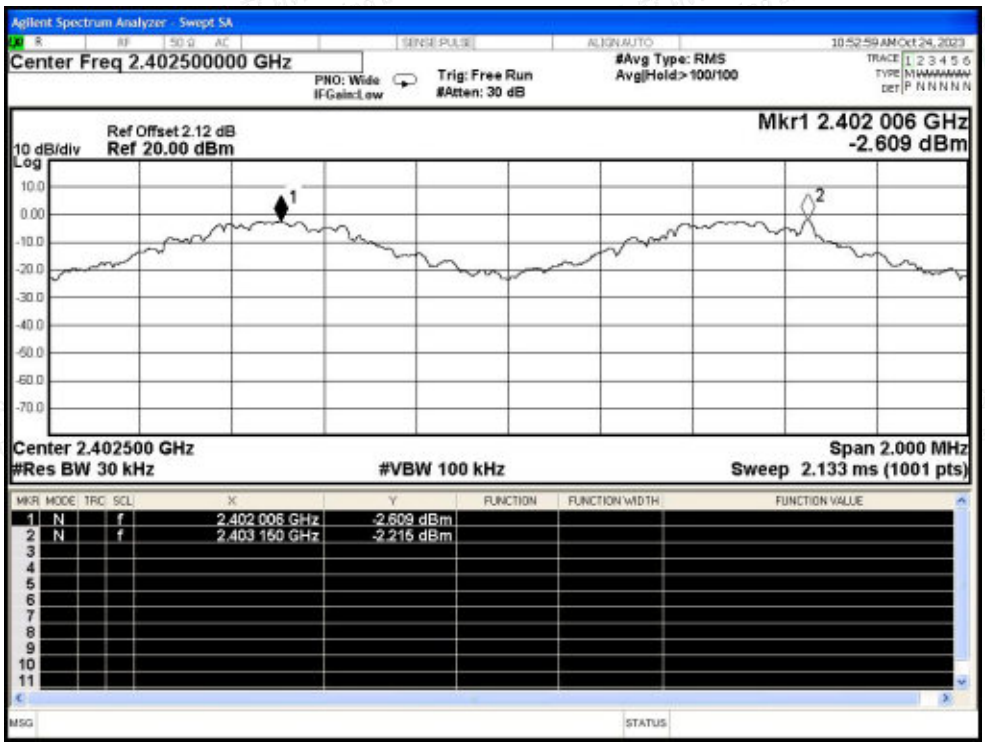


A.3 Carrier Frequencies Separation

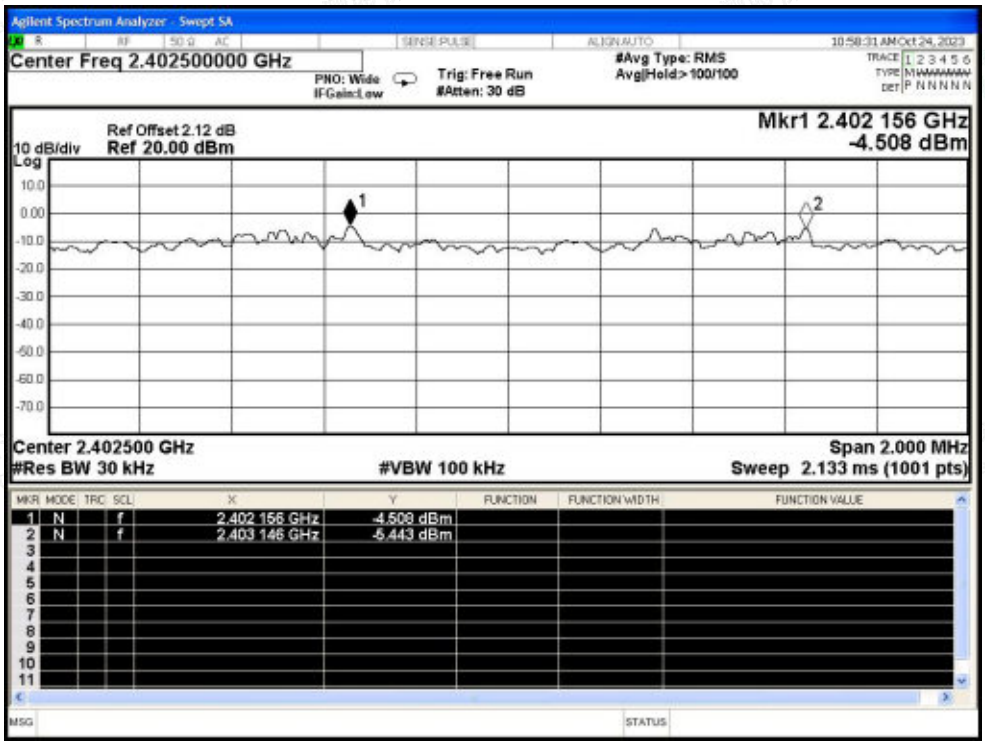
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.006	2403.15	1.144	0.681	Pass
NVNT	2-DH5	Ant1	2402.156	2403.146	0.99	0.870	Pass
NVNT	3-DH5	Ant1	2401.9	2403.114	1.214	0.874	Pass

Test Graphs

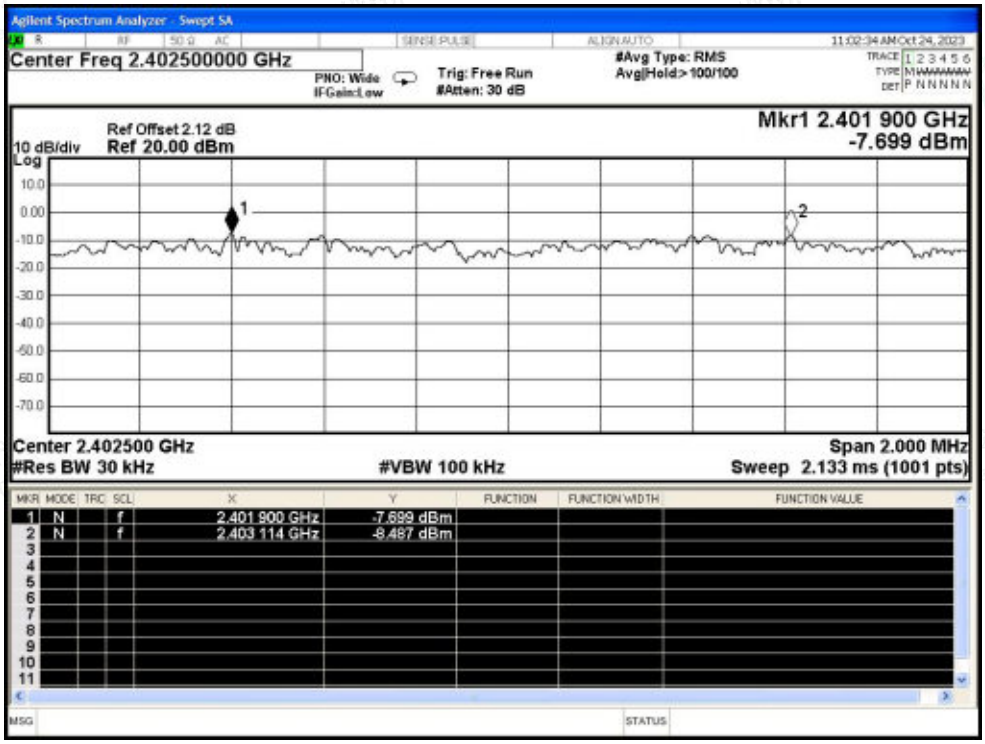
CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1

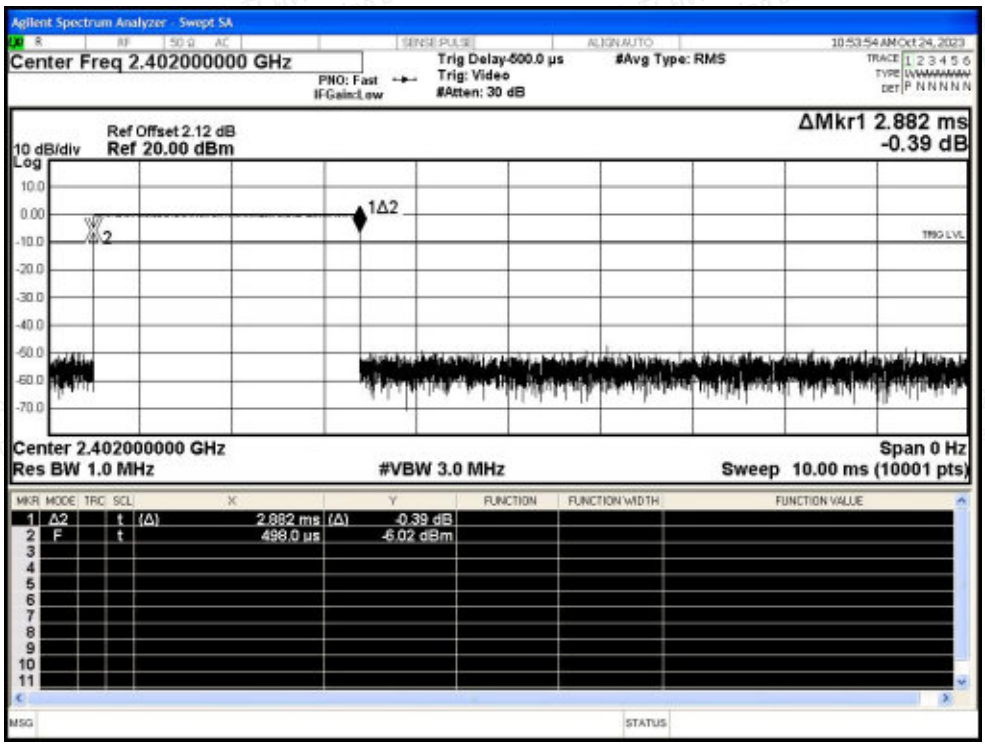


A.4 Dwell Time

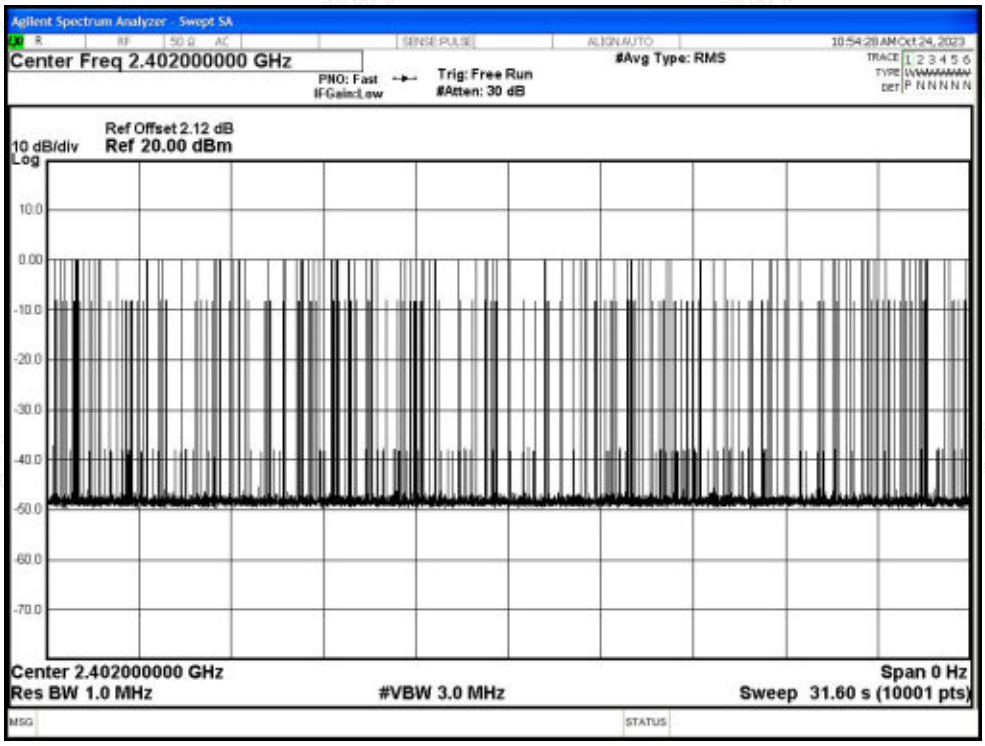
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	302.61	105	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	300.04	104	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	314.683	109	31600	400	Pass

Test Graphs

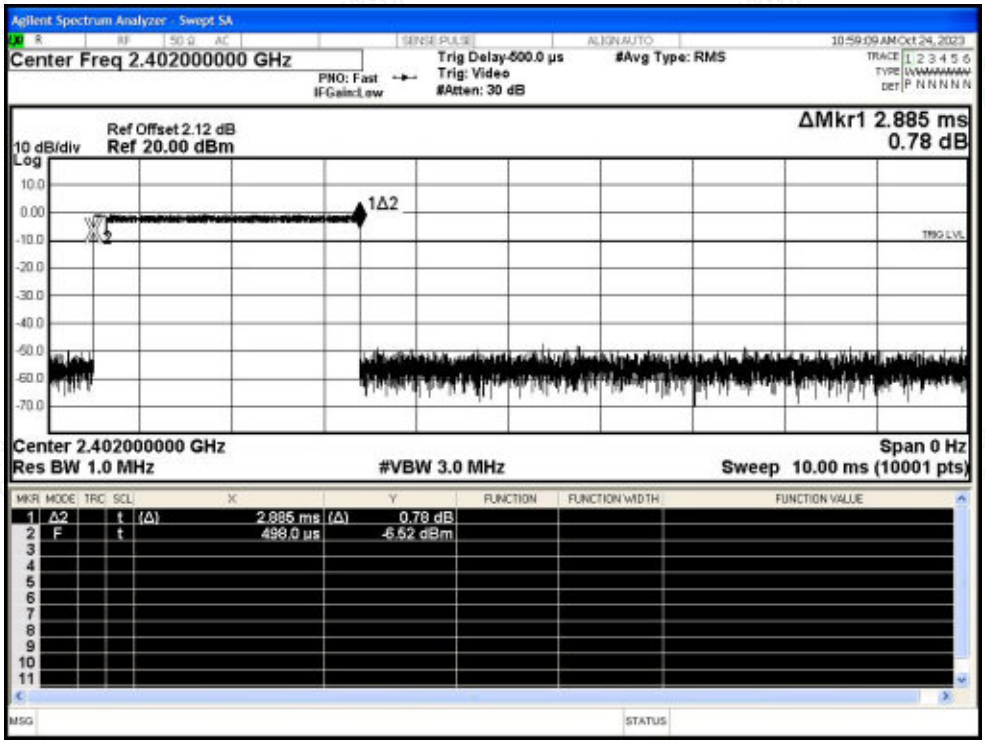
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



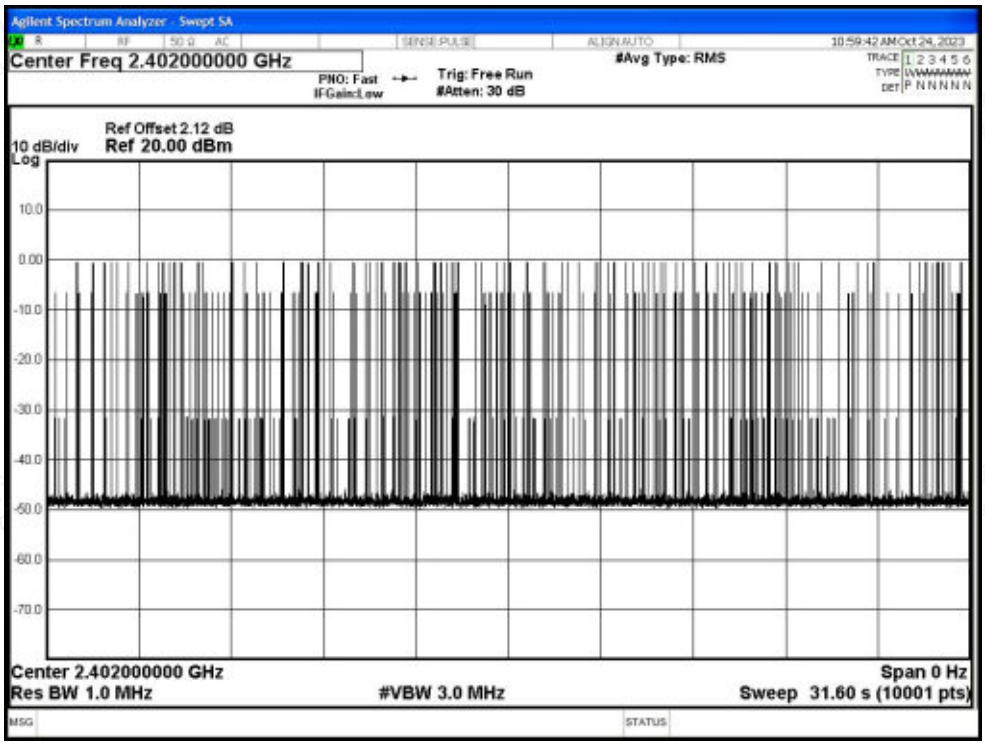
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



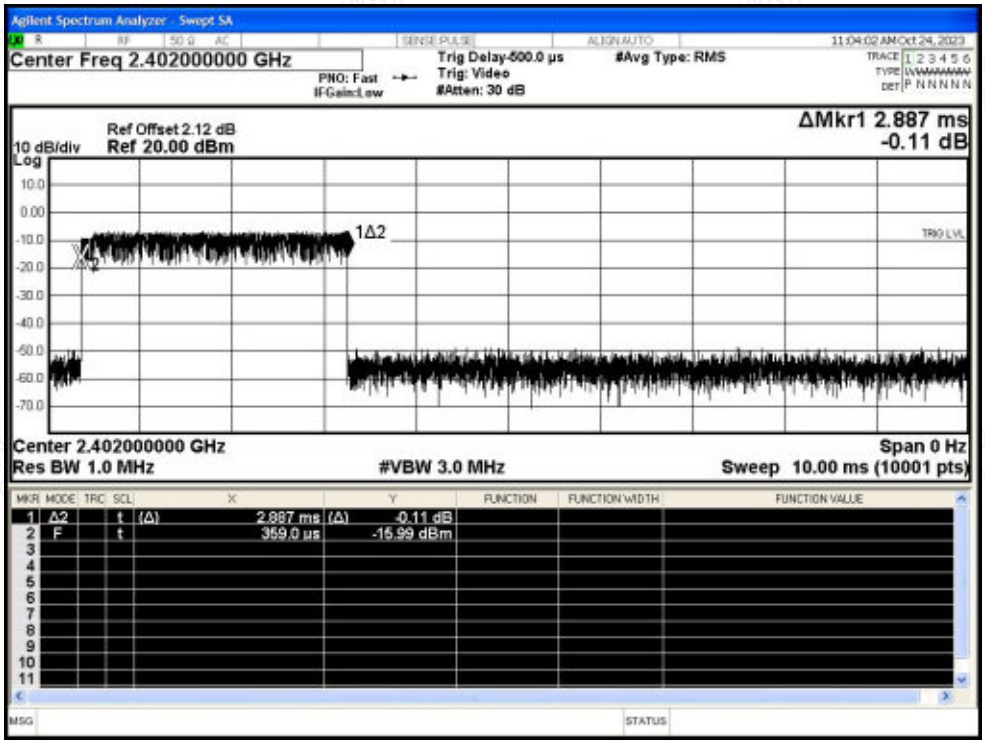
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



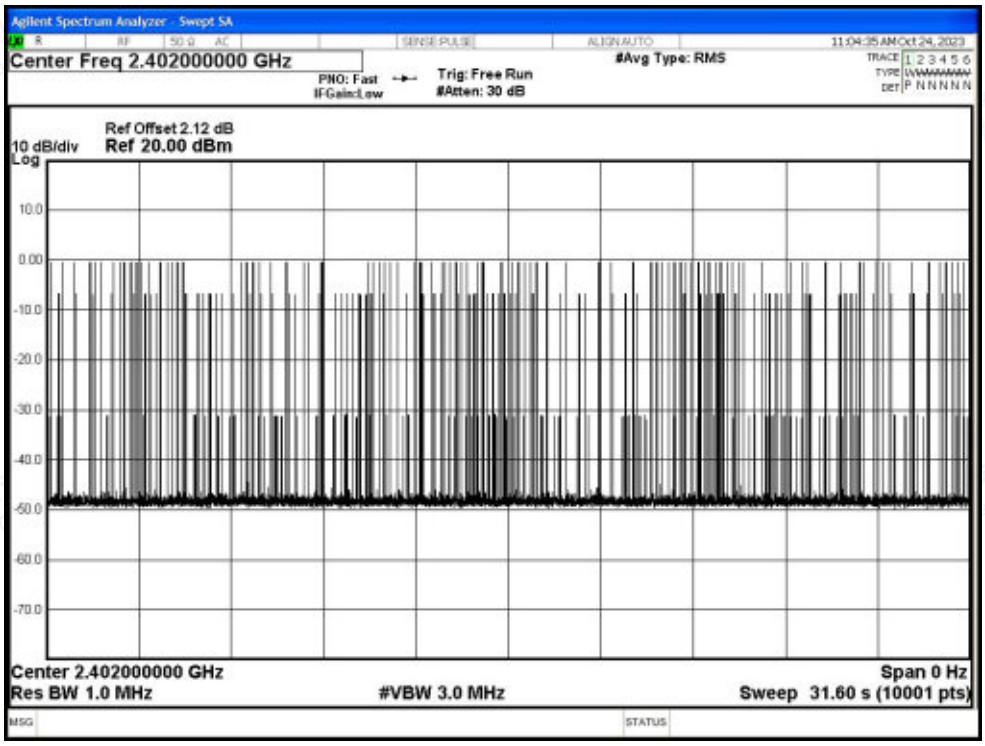
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

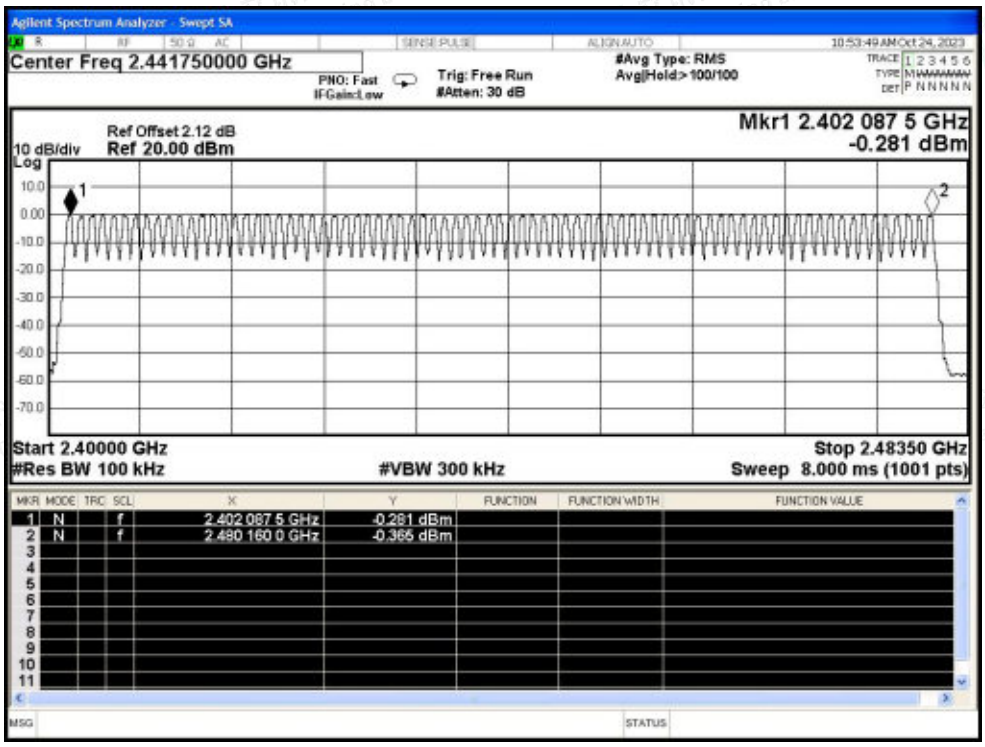


A.5 Number of Hopping Channel

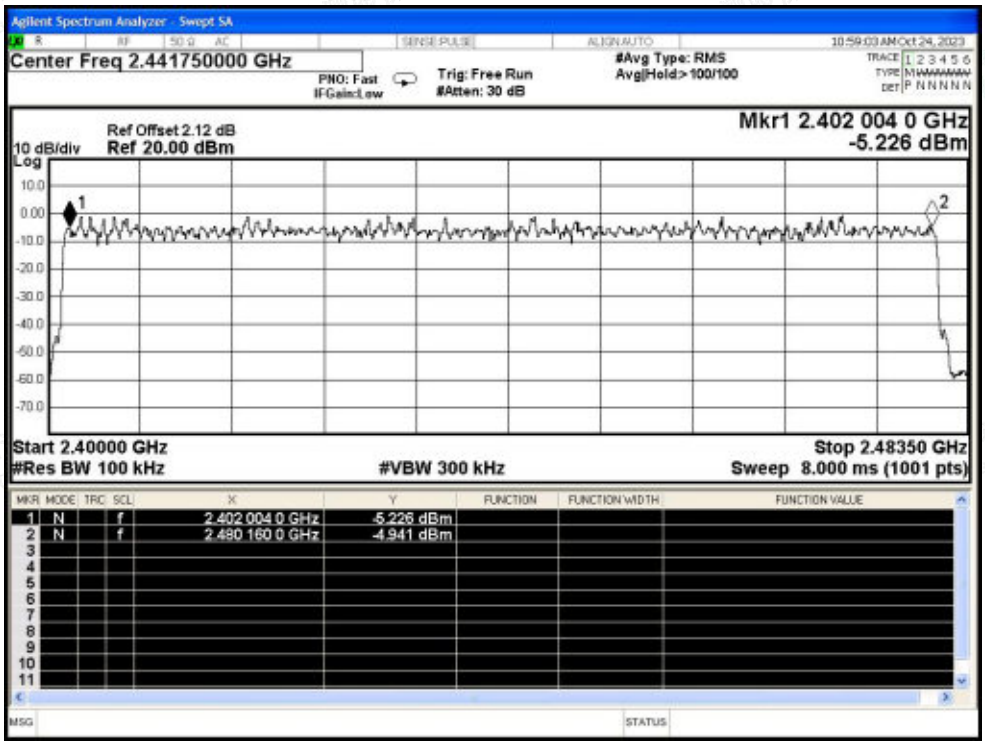
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

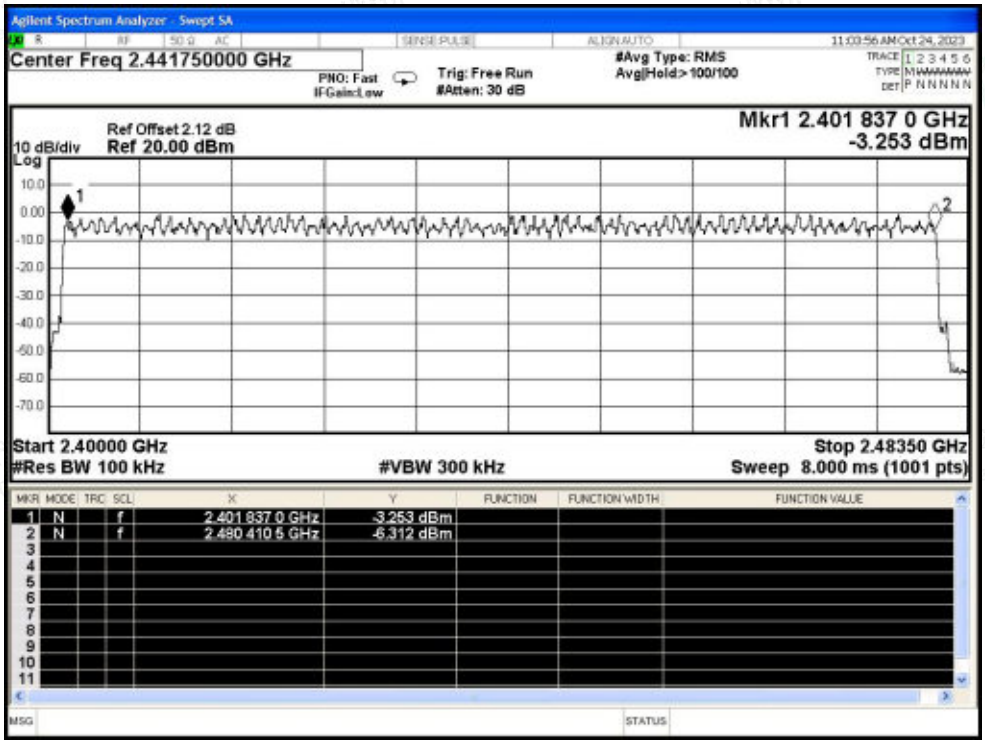
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

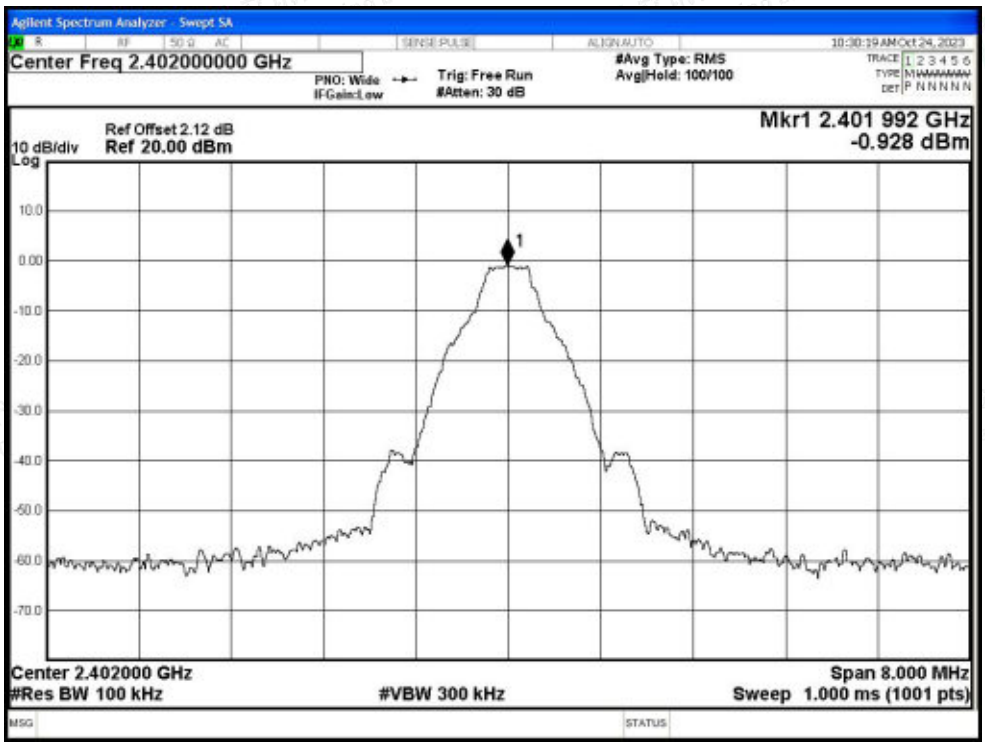


A.6 Band Edge

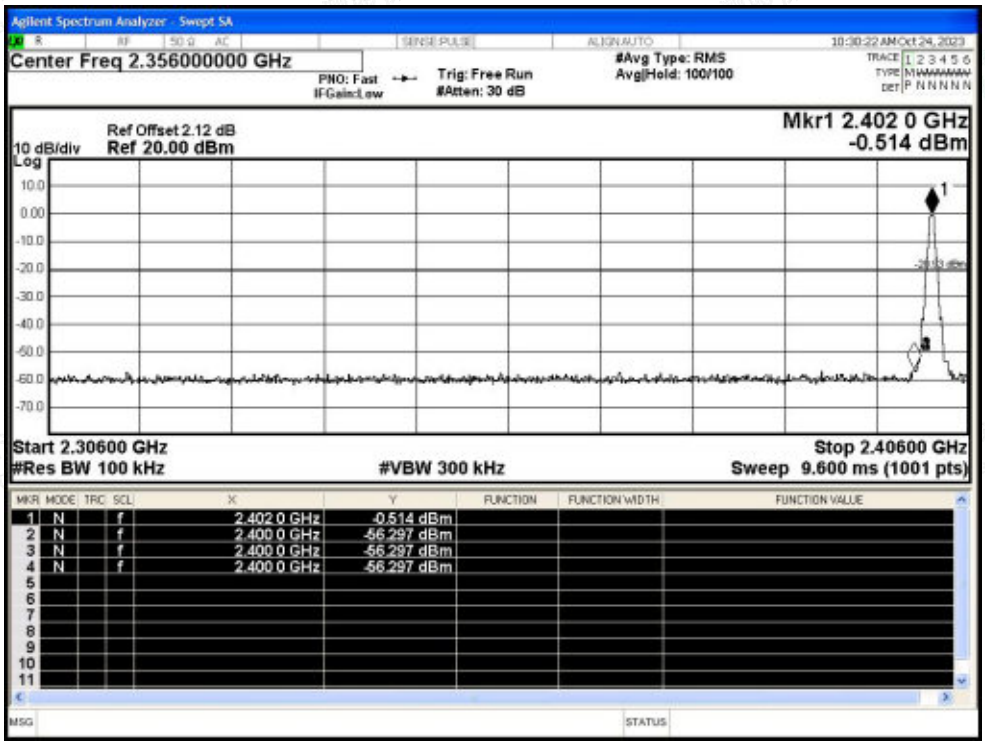
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.37	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.74	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.78	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.33	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.39	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.21	-20	Pass

Test Graphs

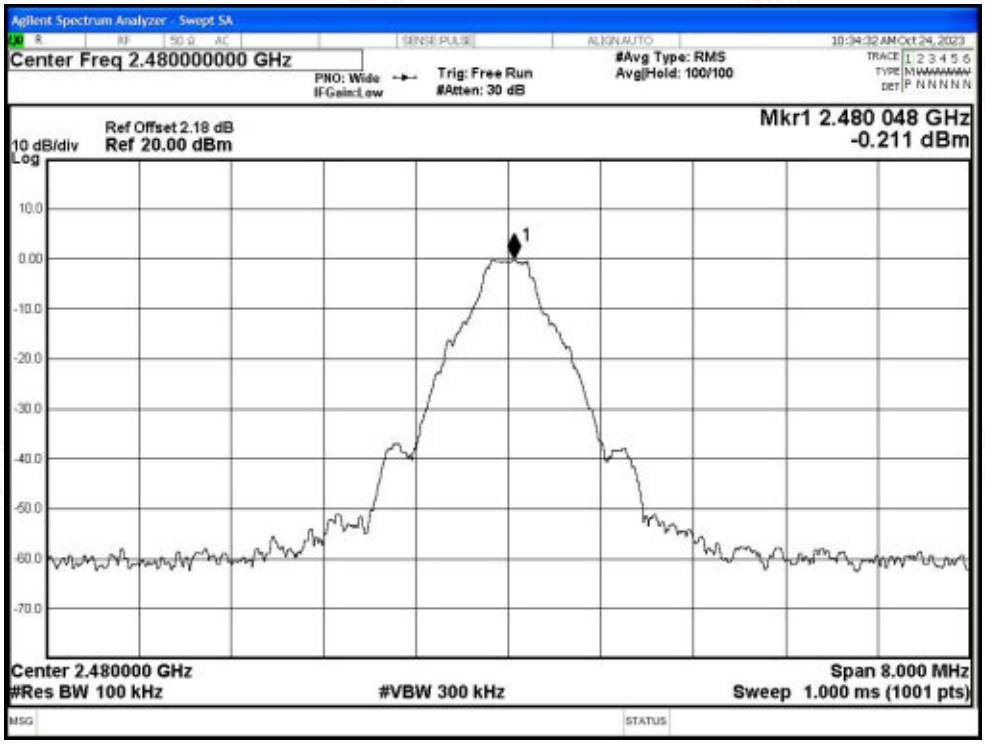
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



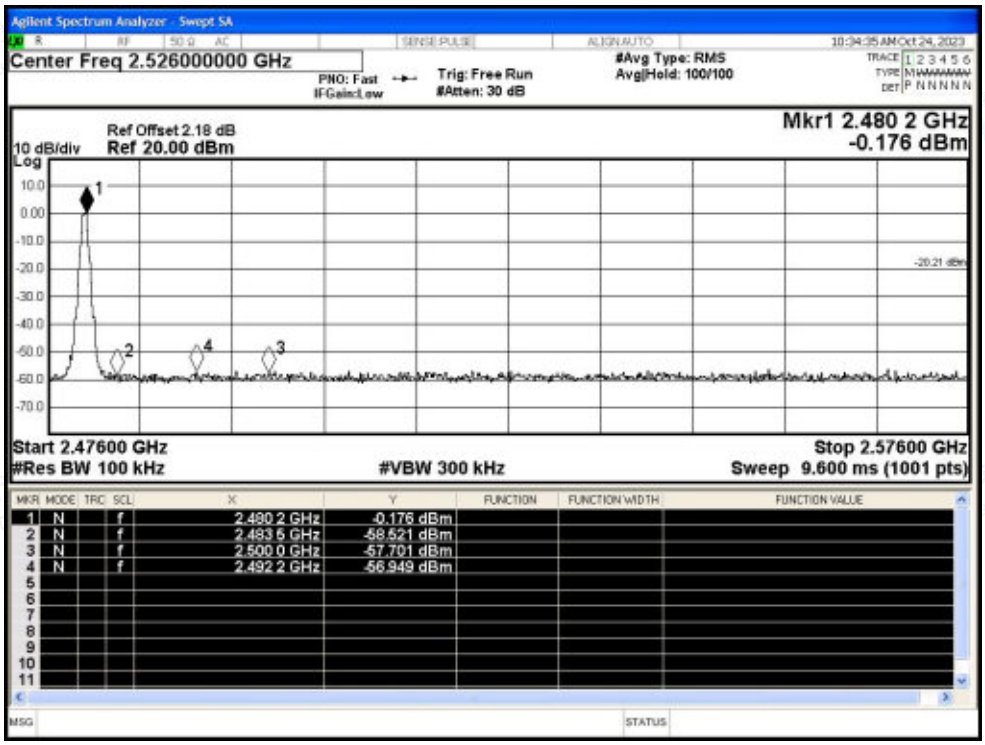
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



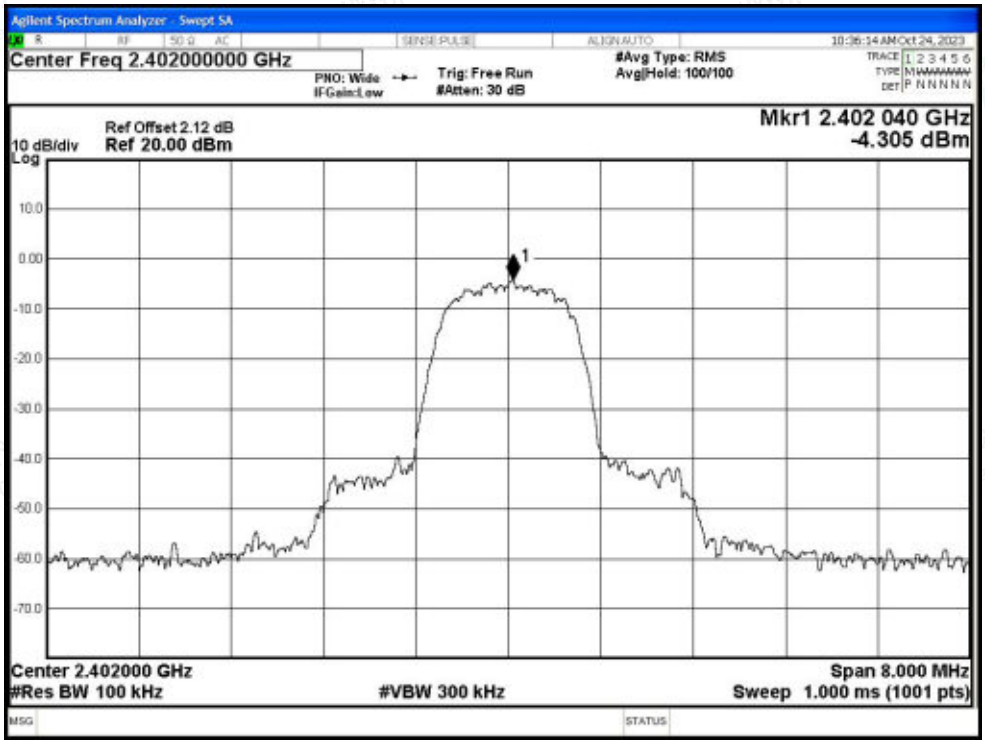
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



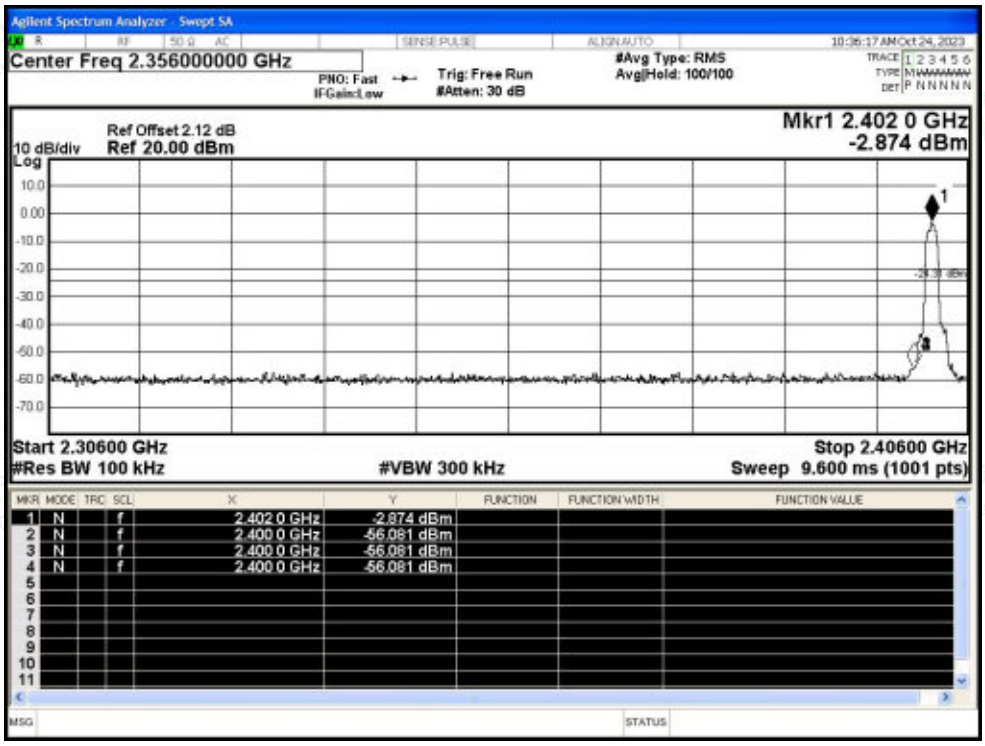
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



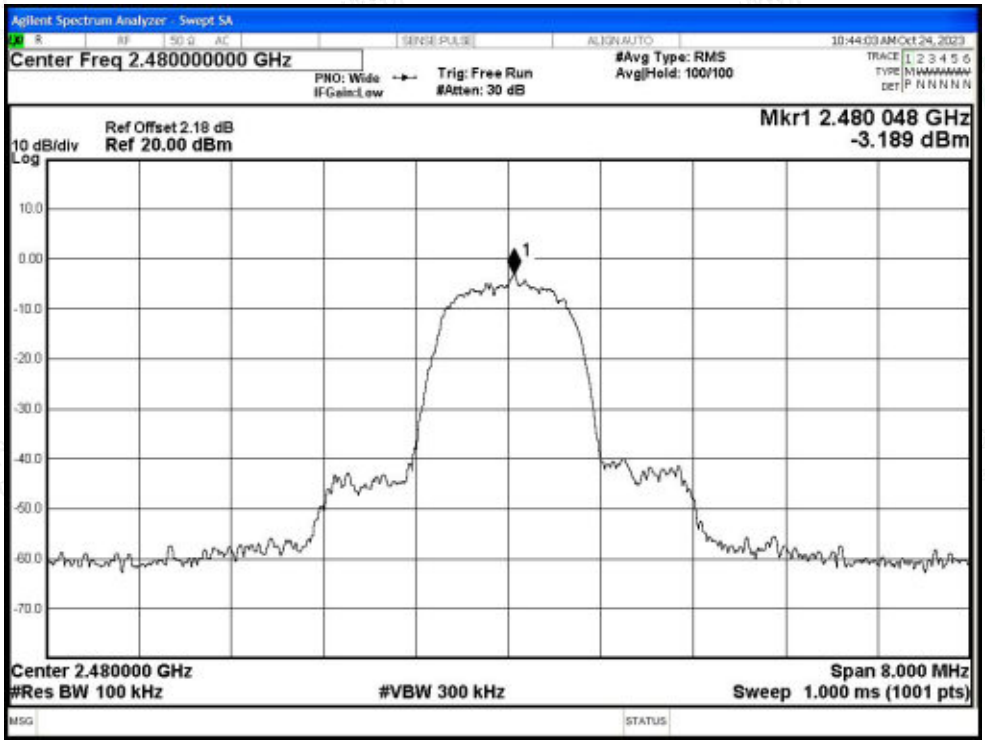
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



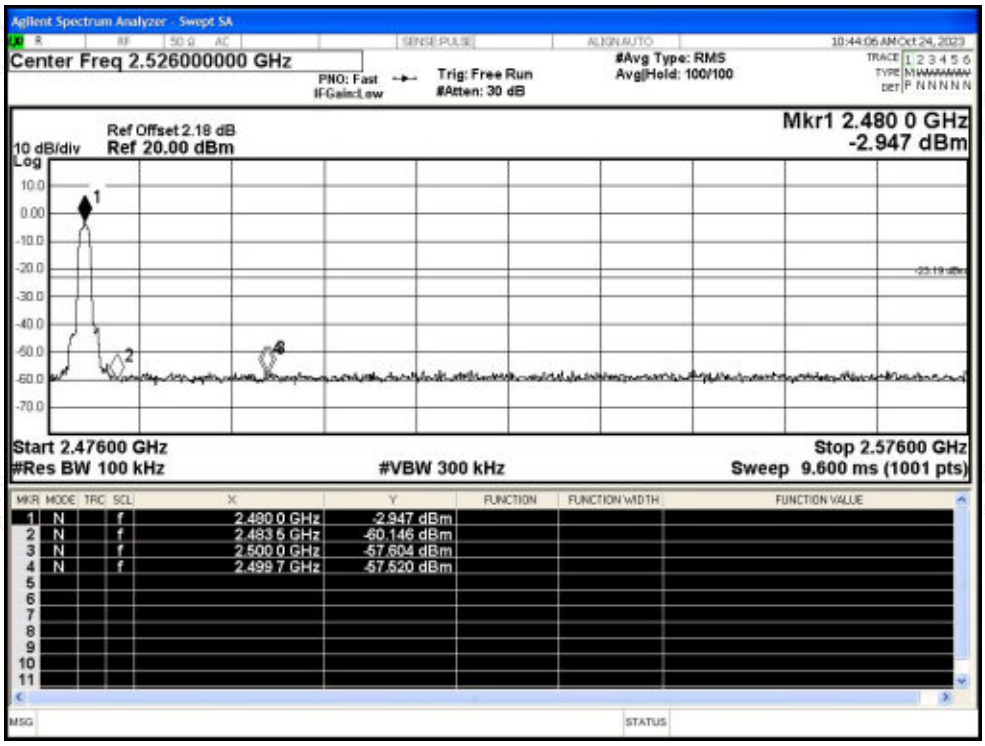
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



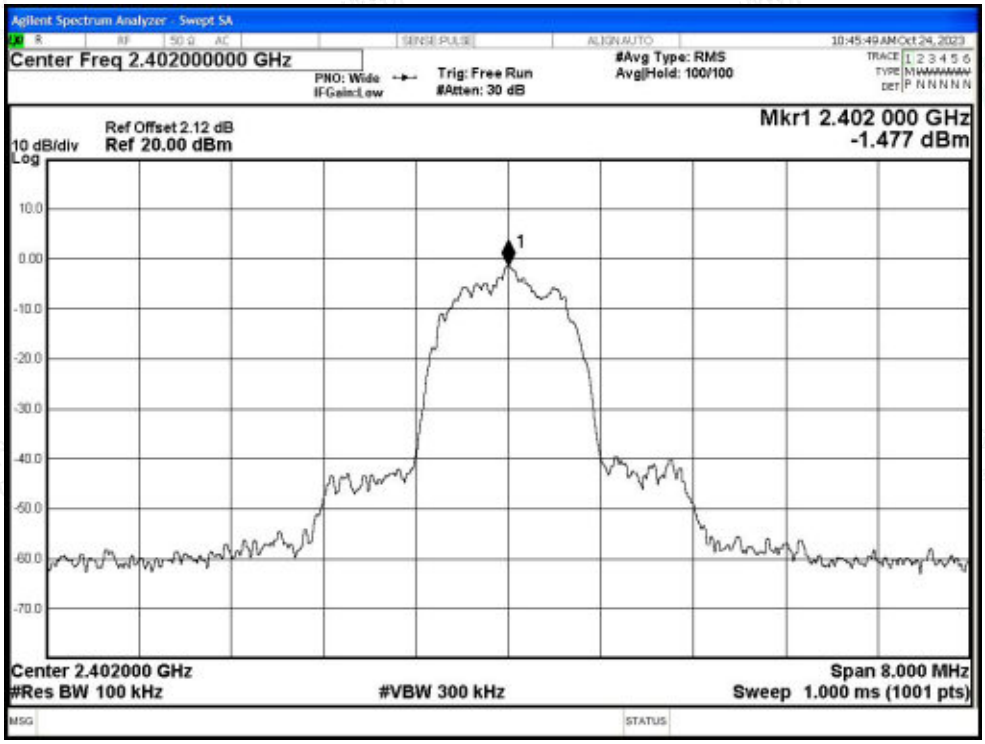
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



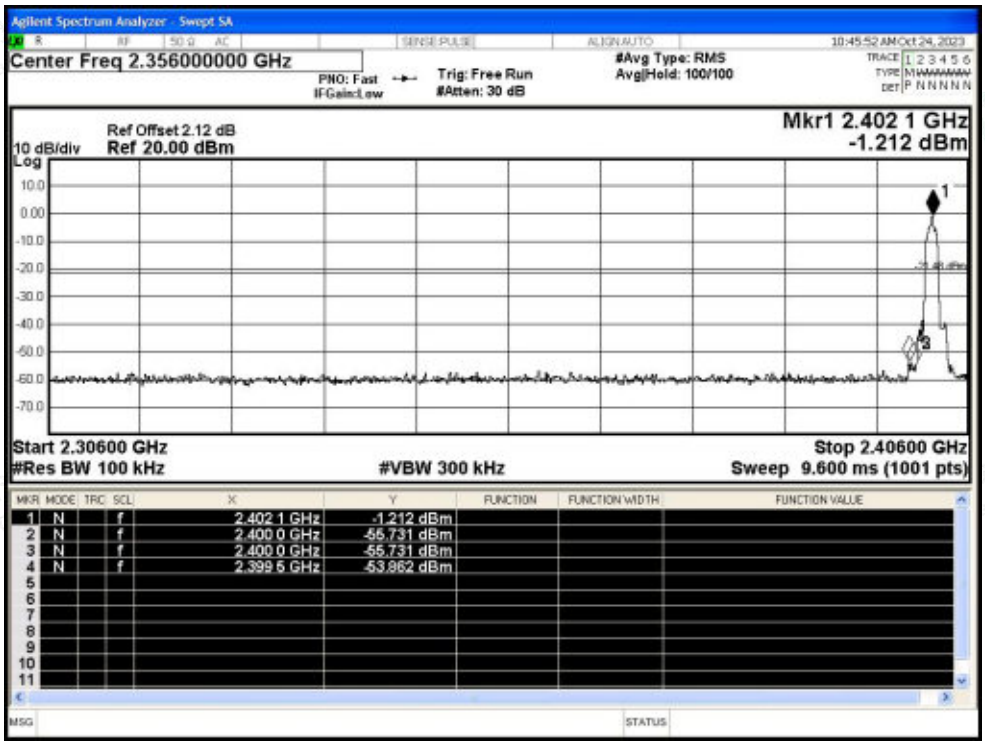
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



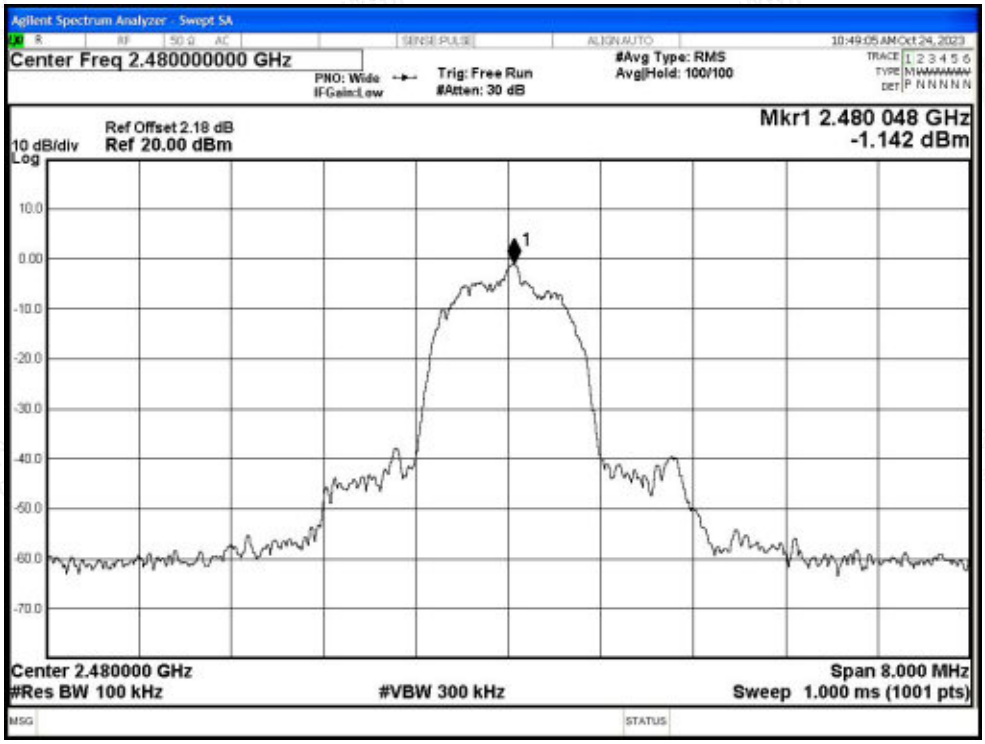
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



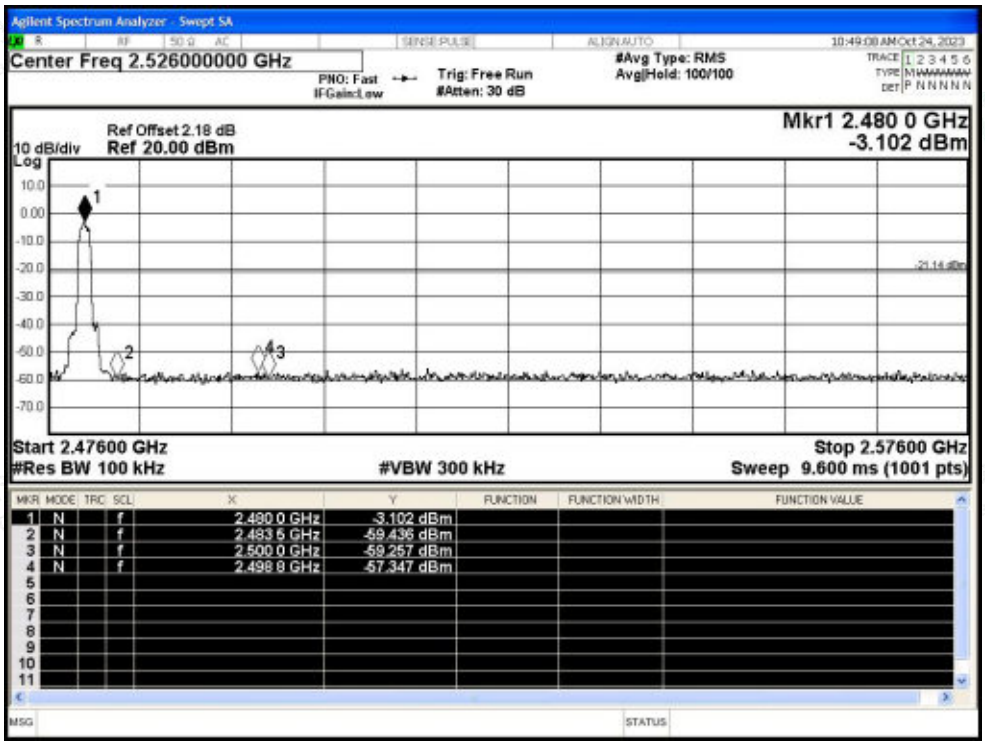
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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

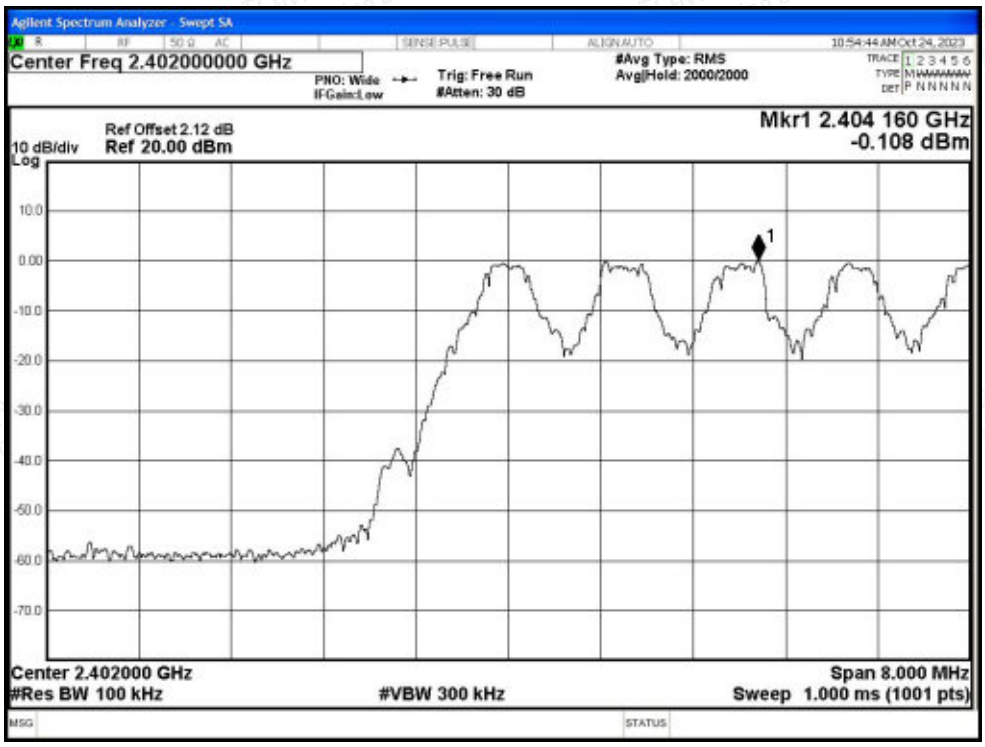


(Hopping)

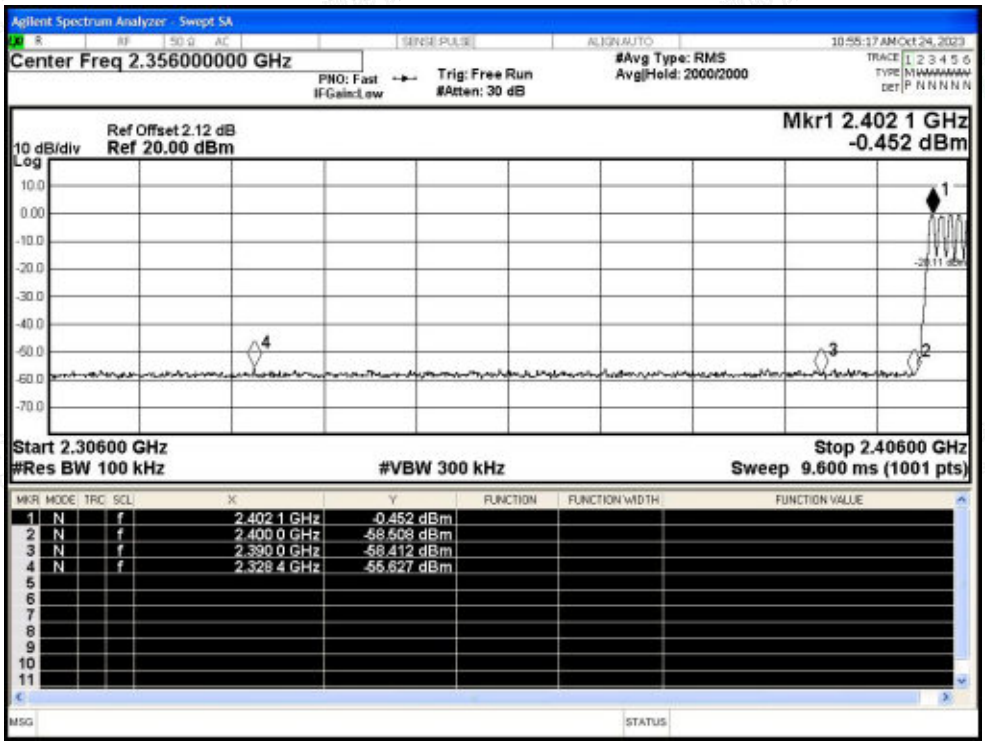
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.52	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.53	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.87	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.45	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-54.23	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-52.81	-20	Pass

Test Graphs

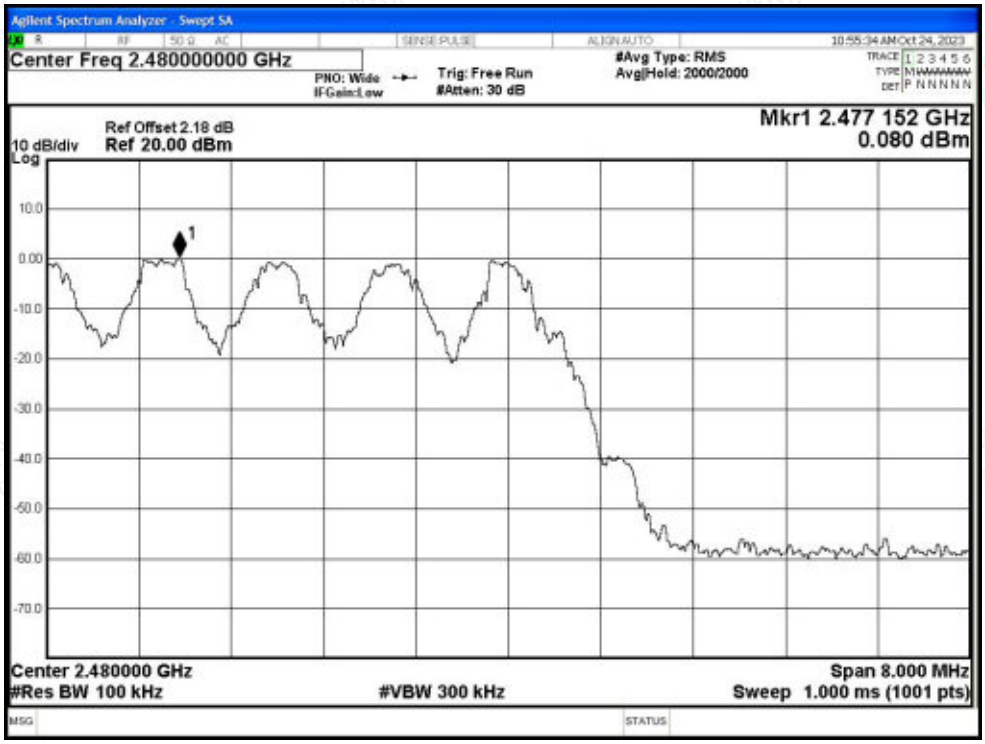
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



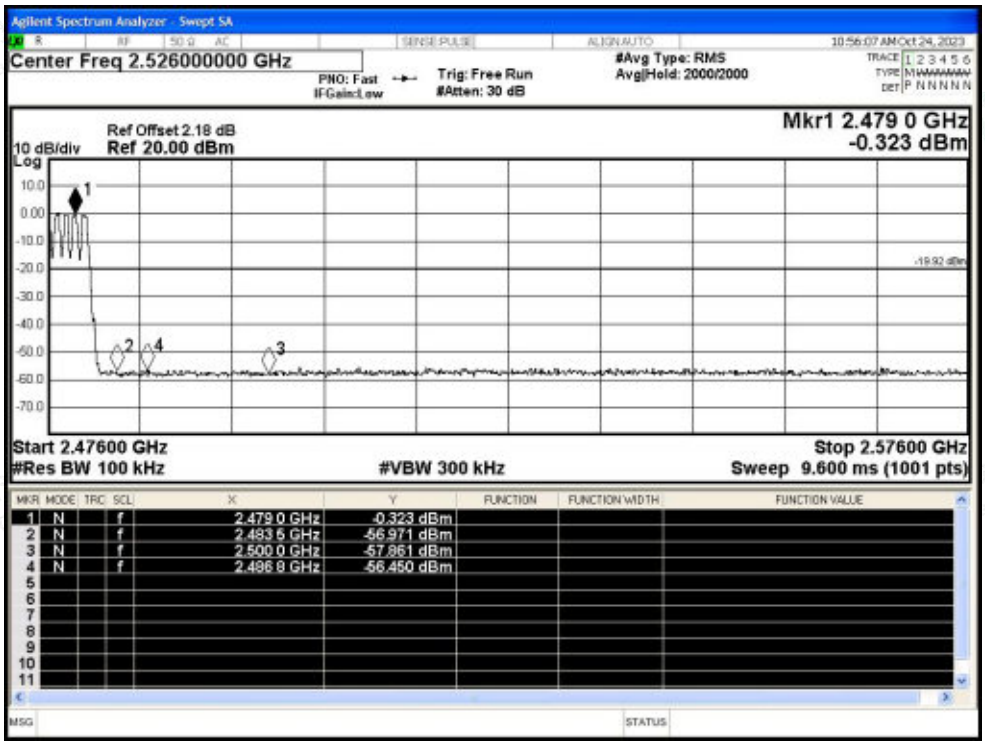
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



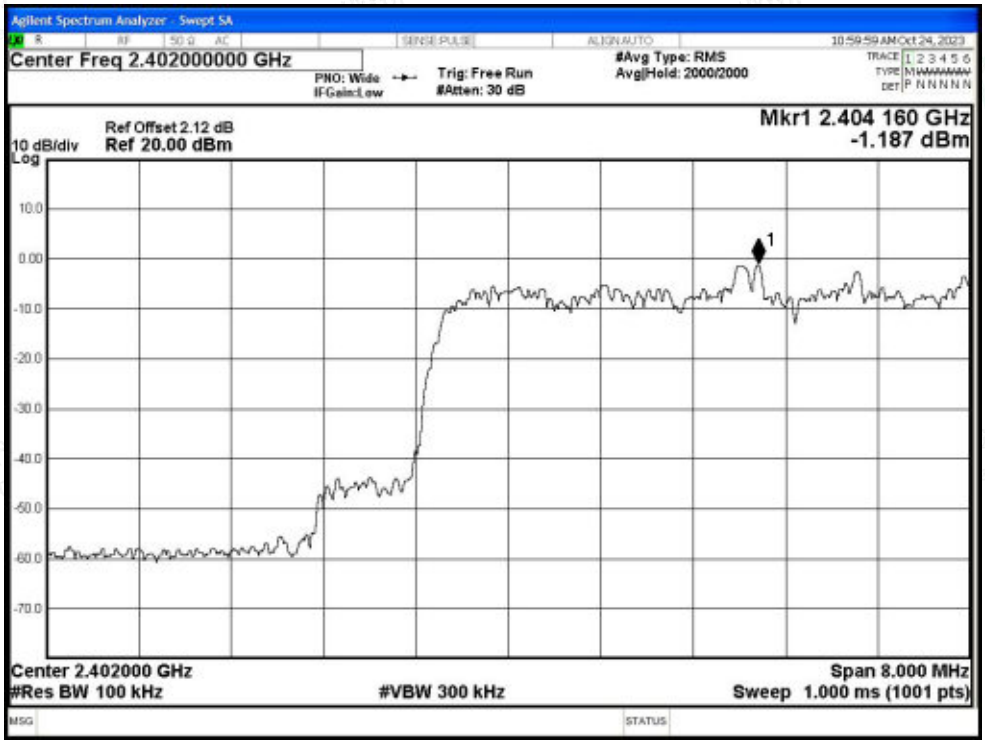
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



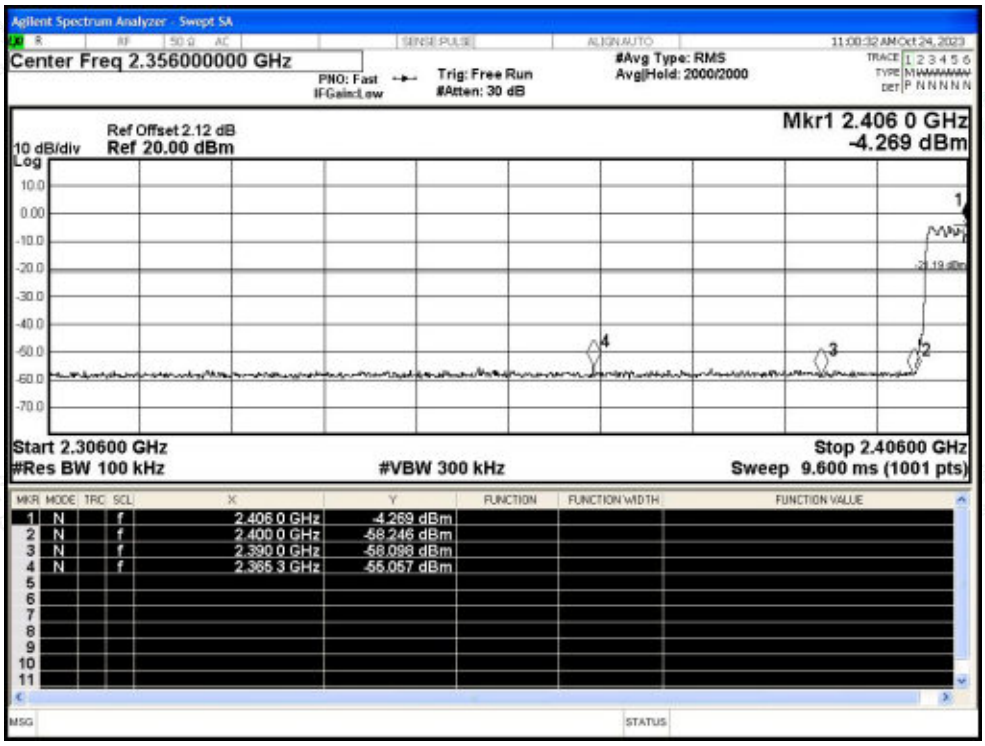
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



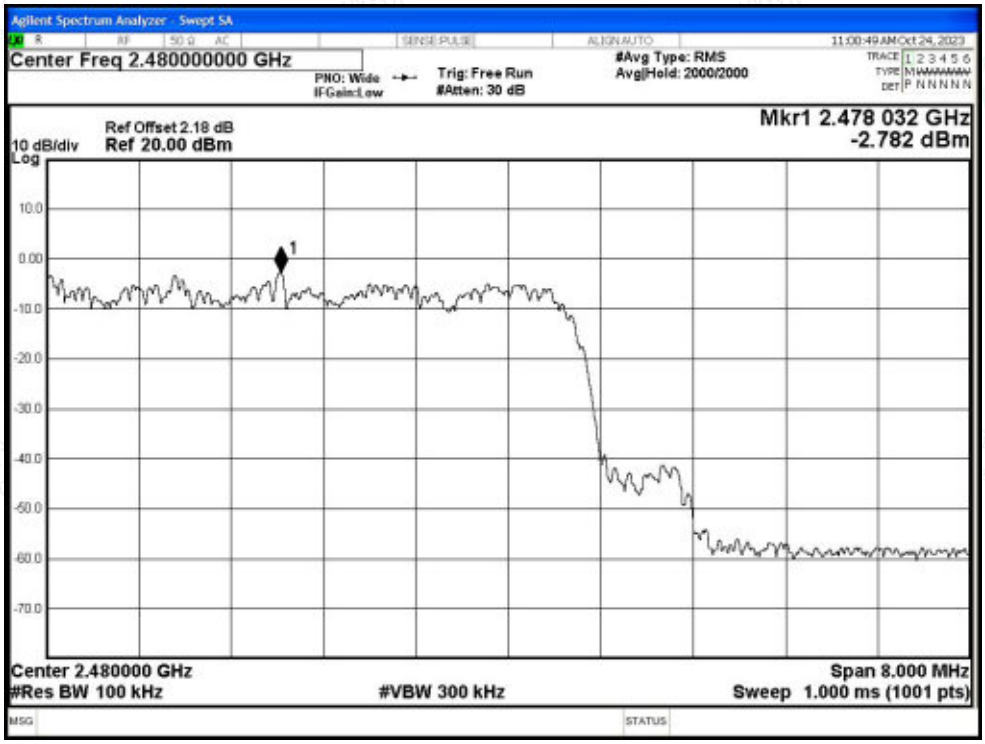
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



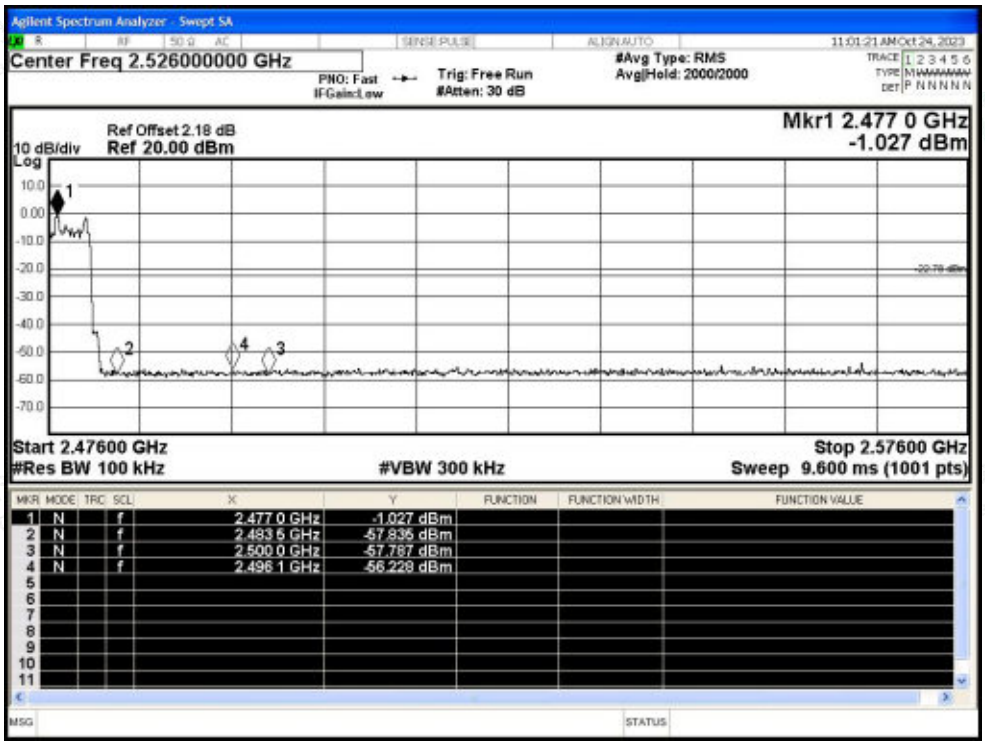
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



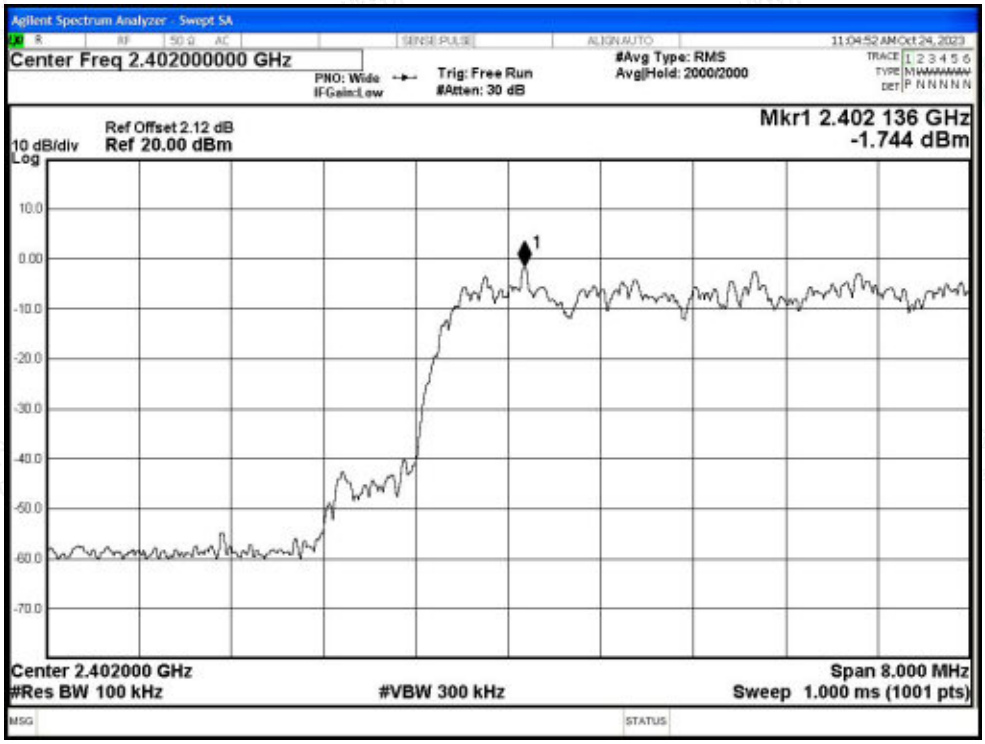
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



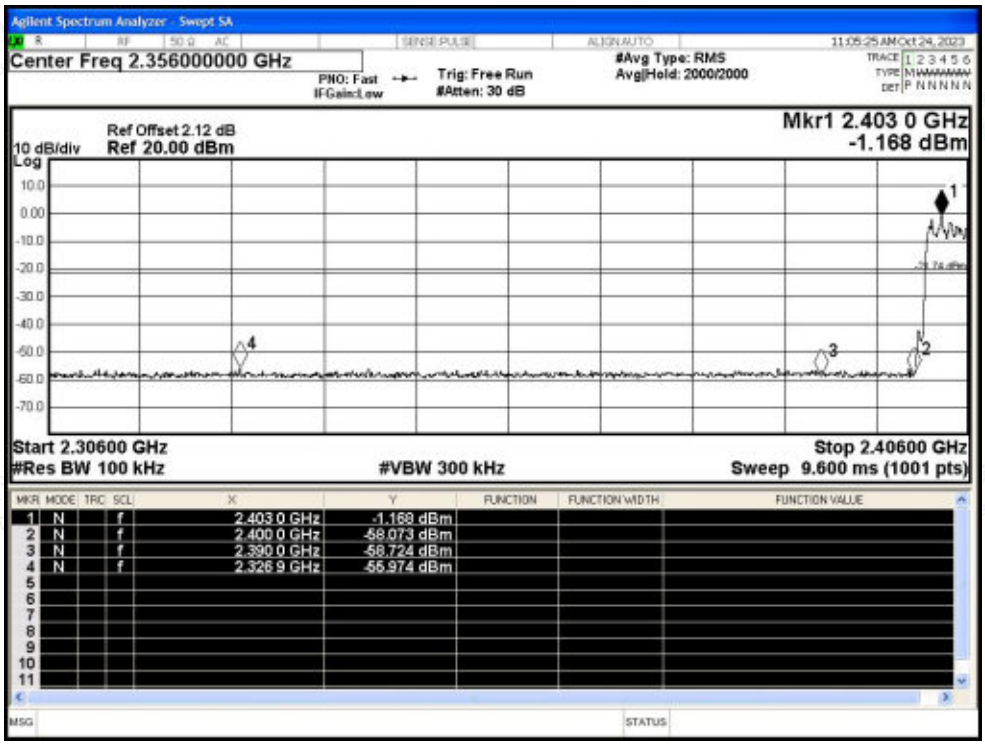
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



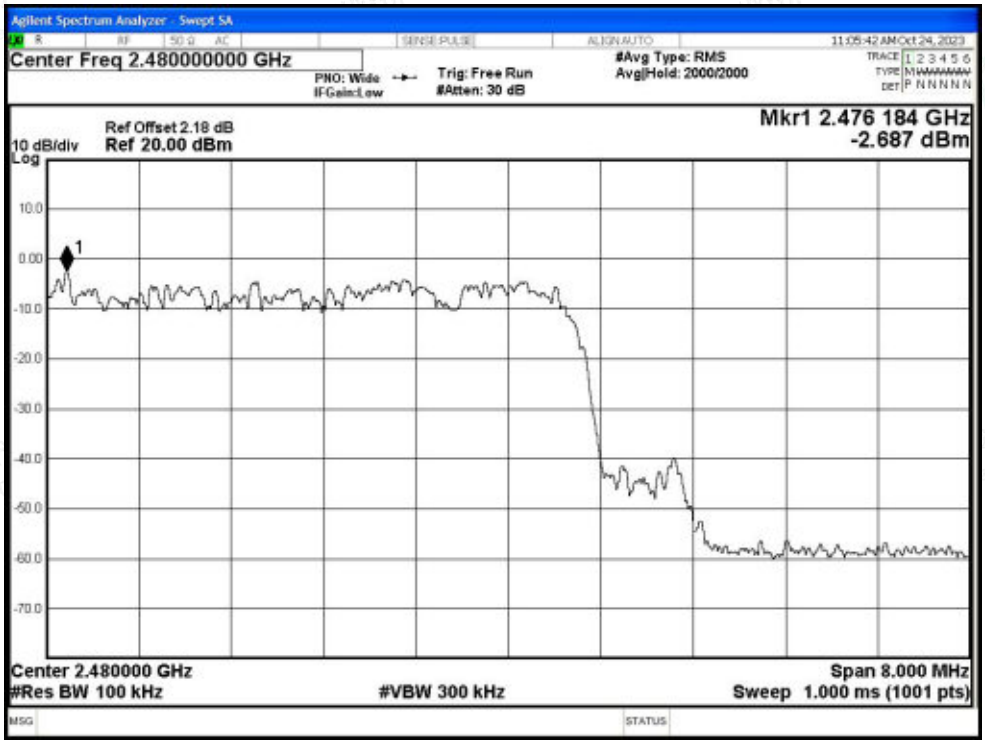
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



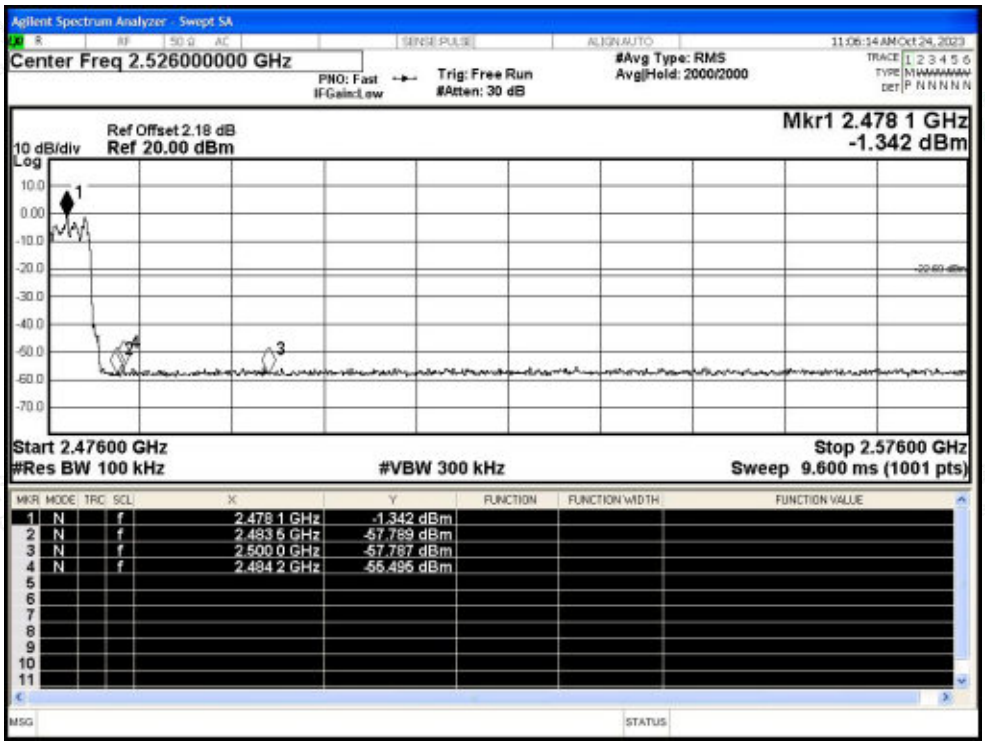
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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



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

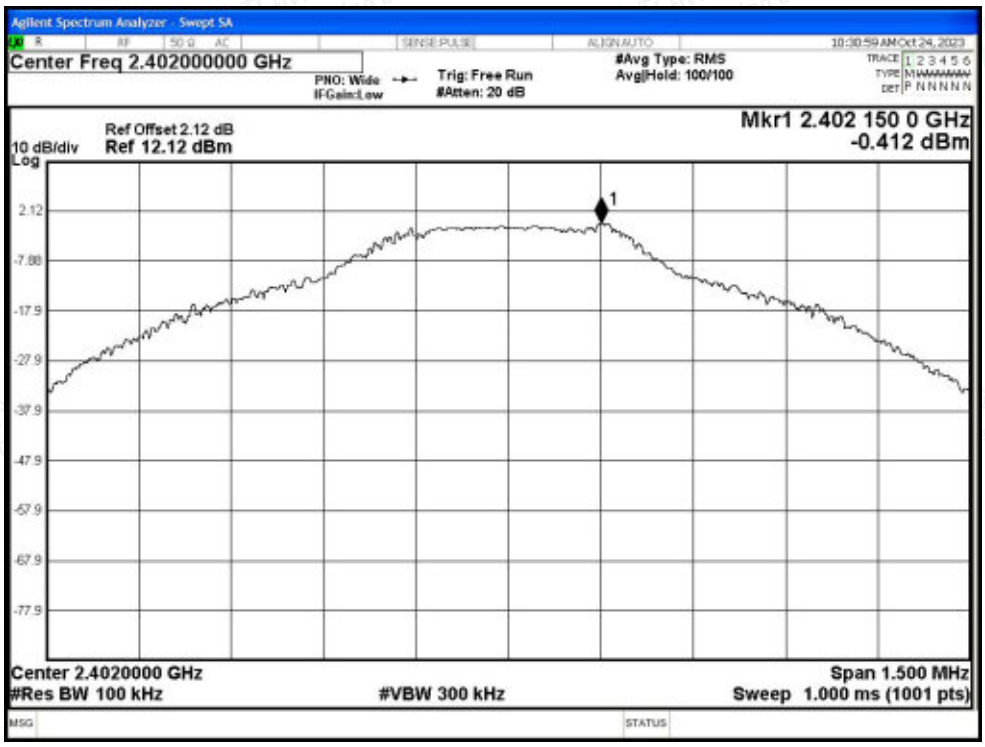


A.7 Conducted RF Spurious Emission

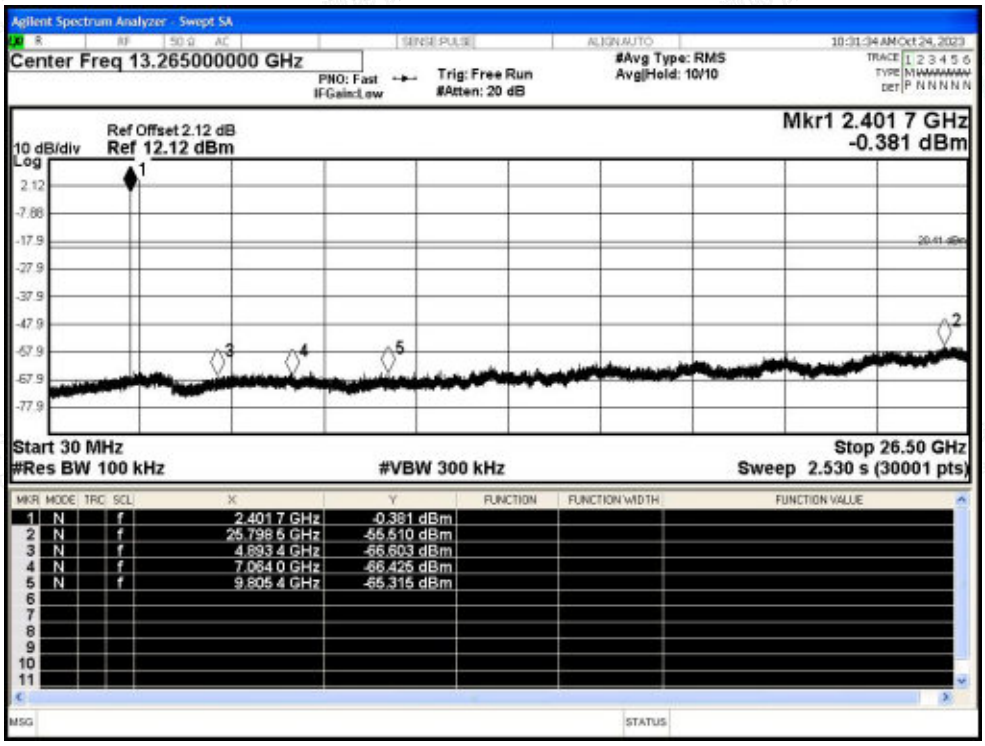
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-55.1	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.75	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.6	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.62	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.65	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.05	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.49	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.51	-20	Pass
NVNT	3-DH5	2480	Ant1	-54.1	-20	Pass

Test Graphs

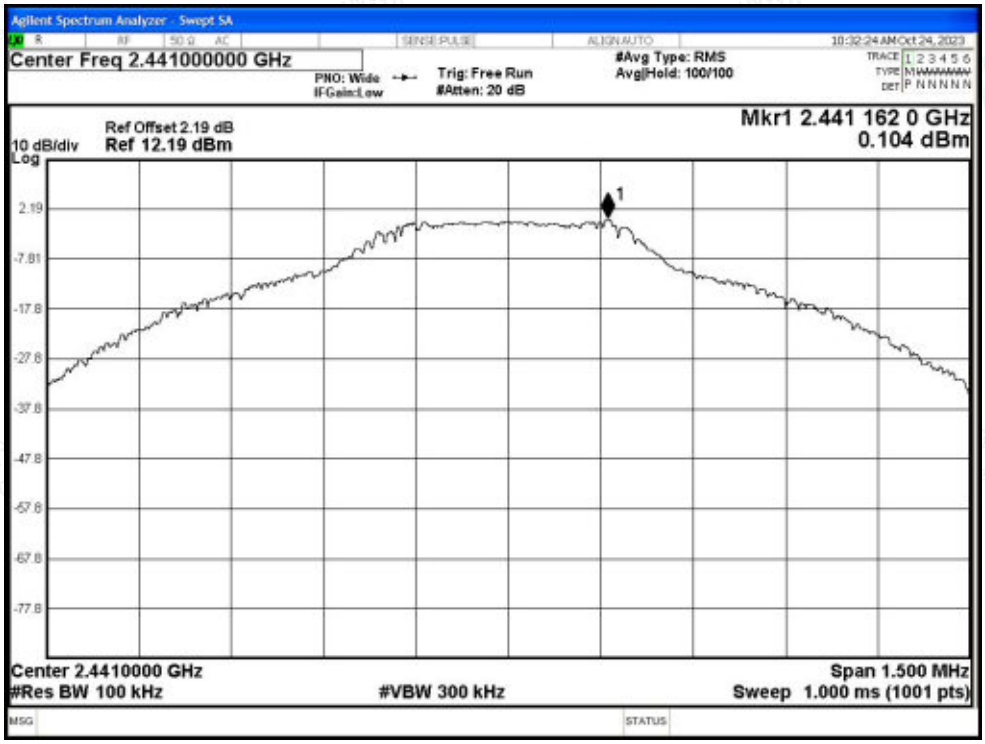
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



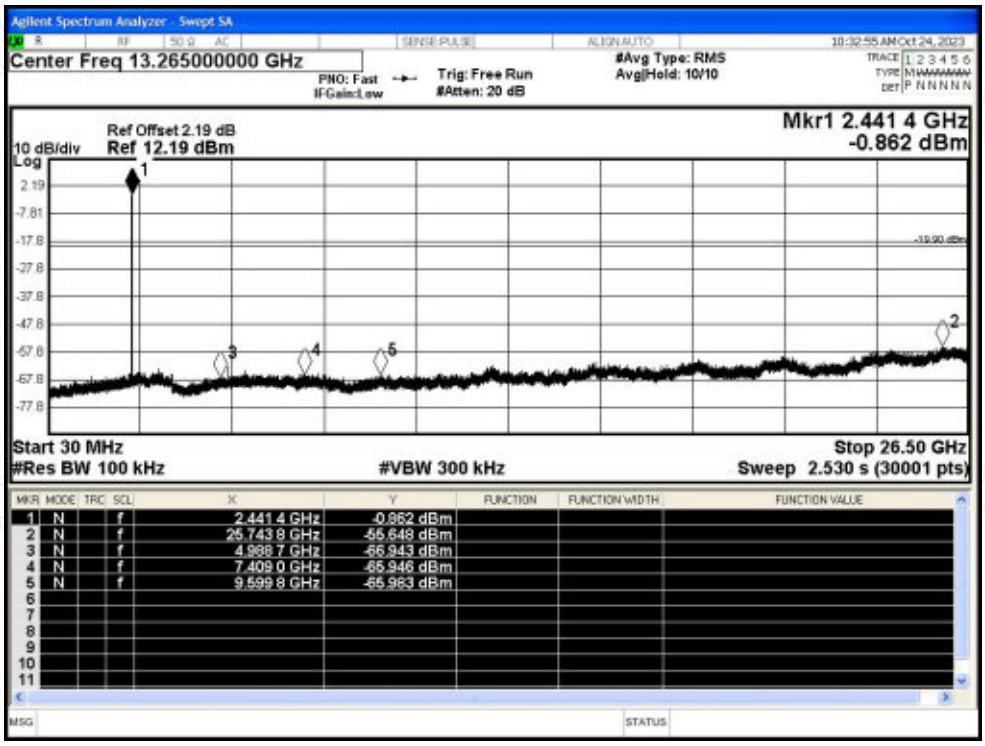
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



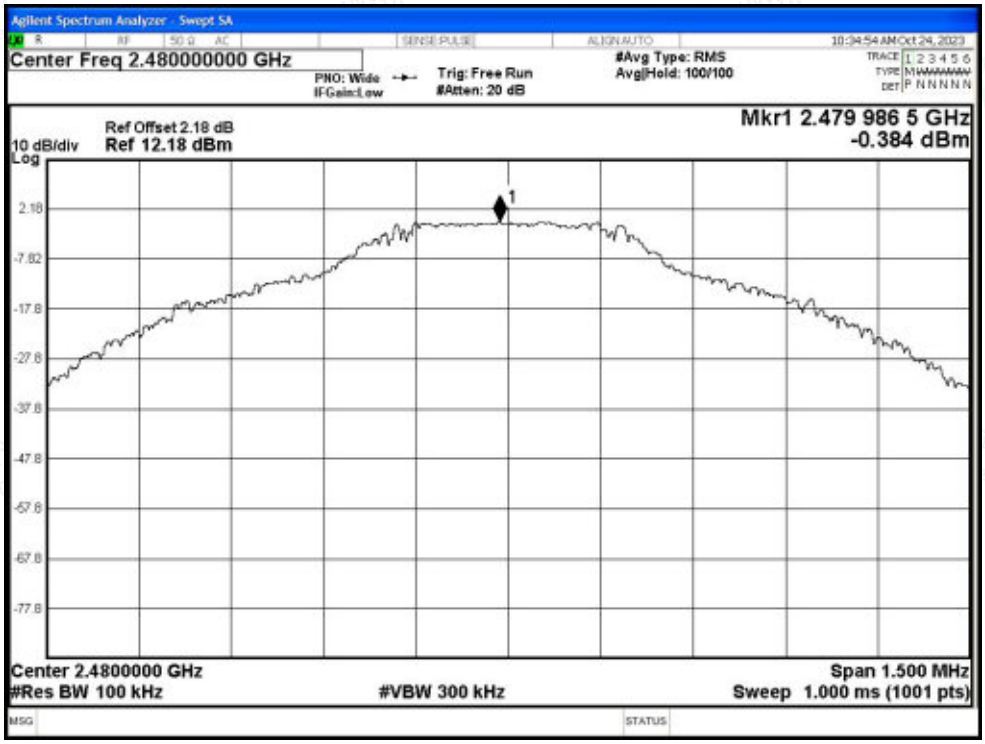
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



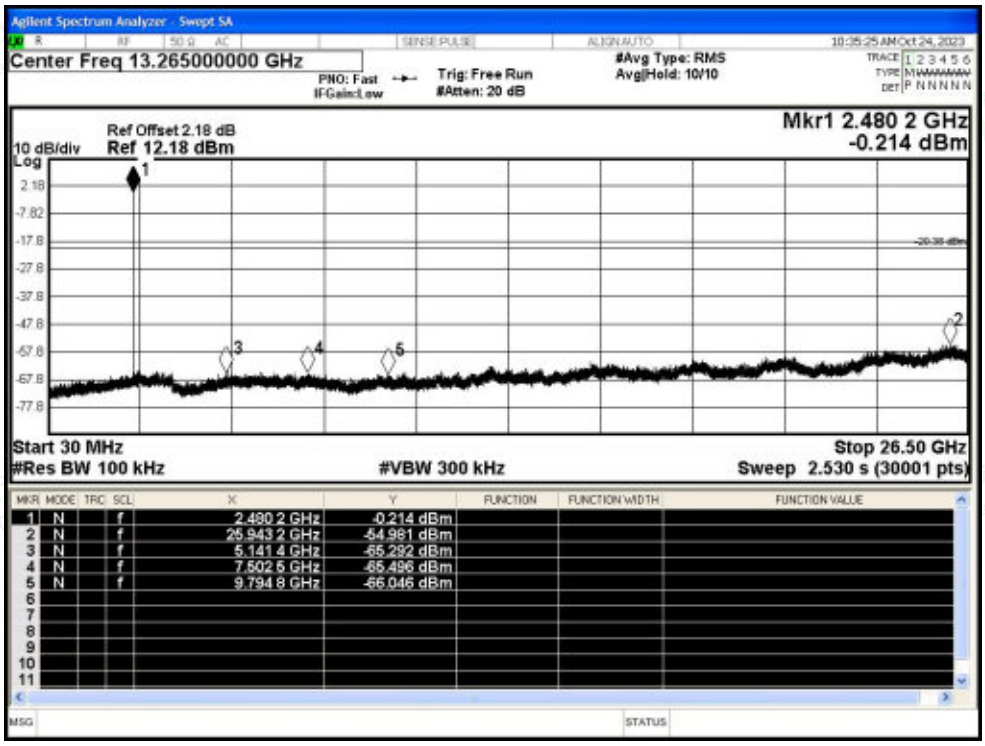
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



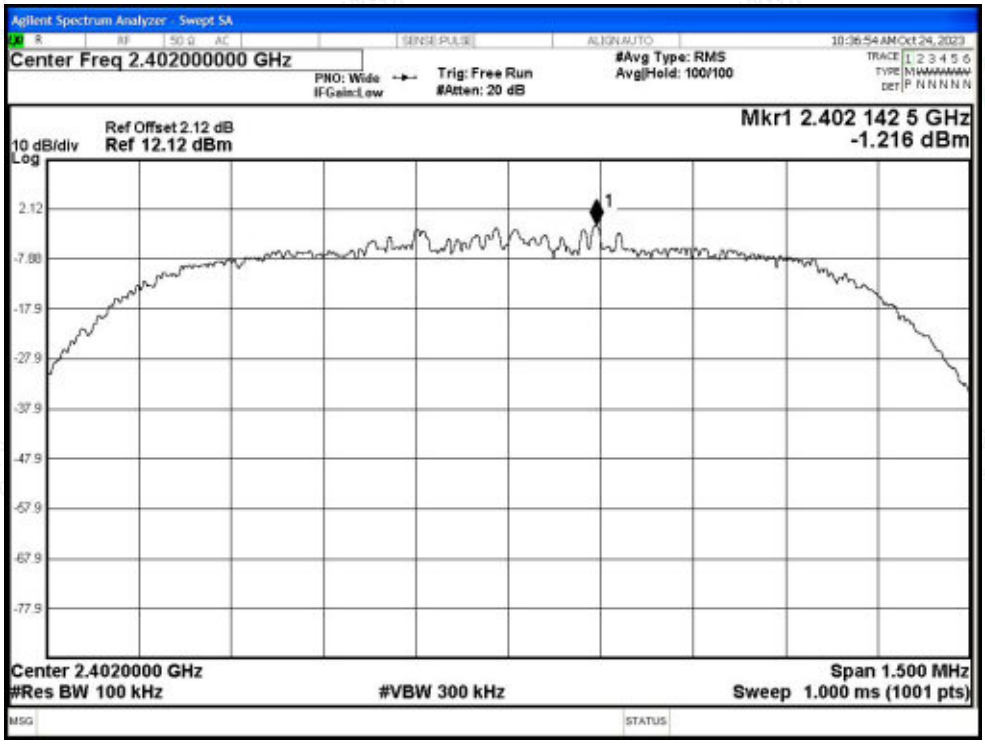
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



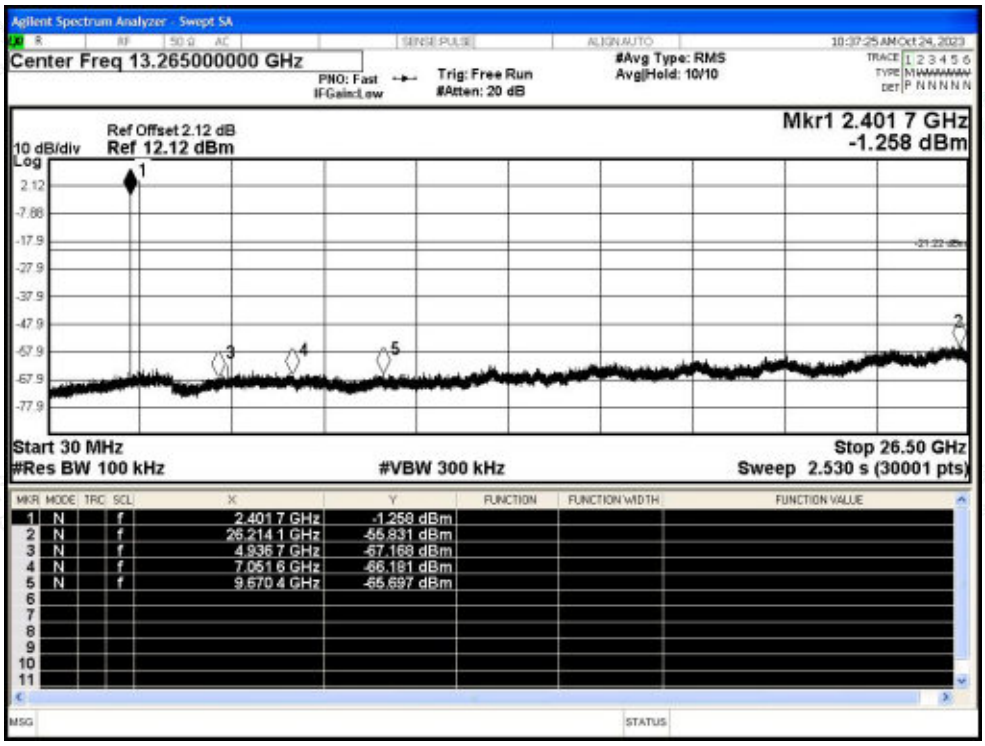
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



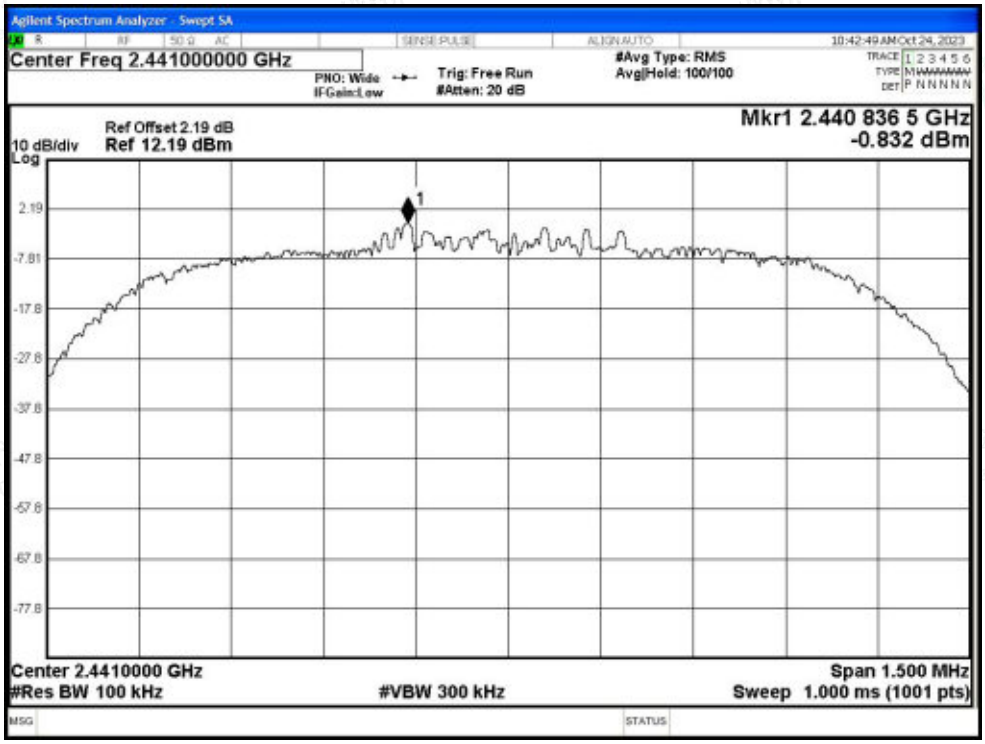
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



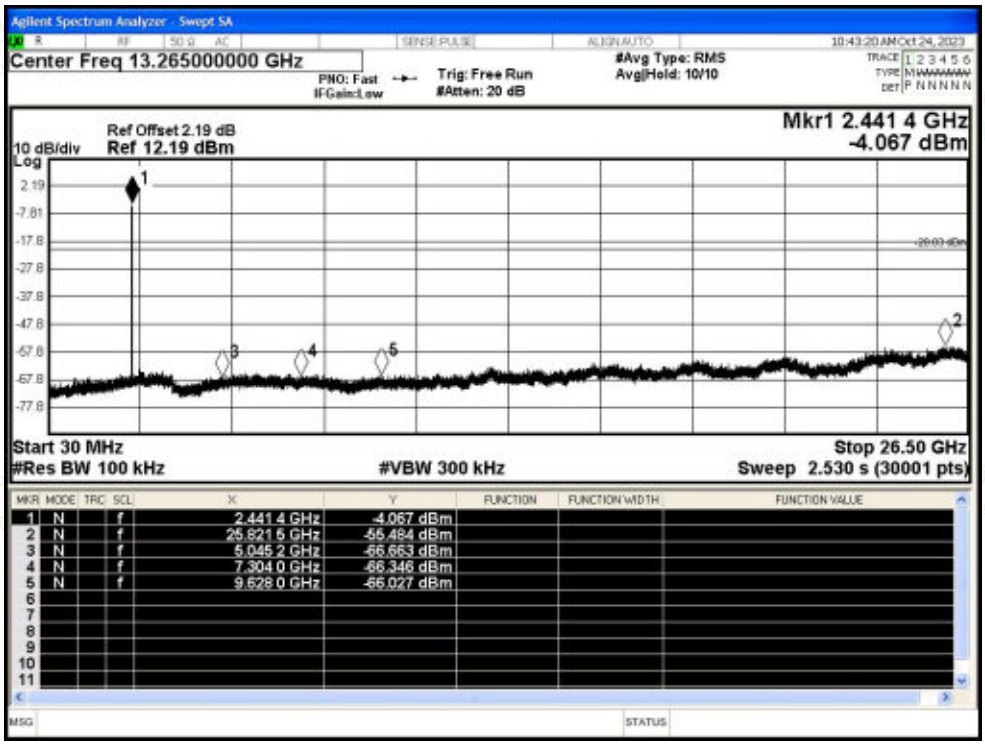
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



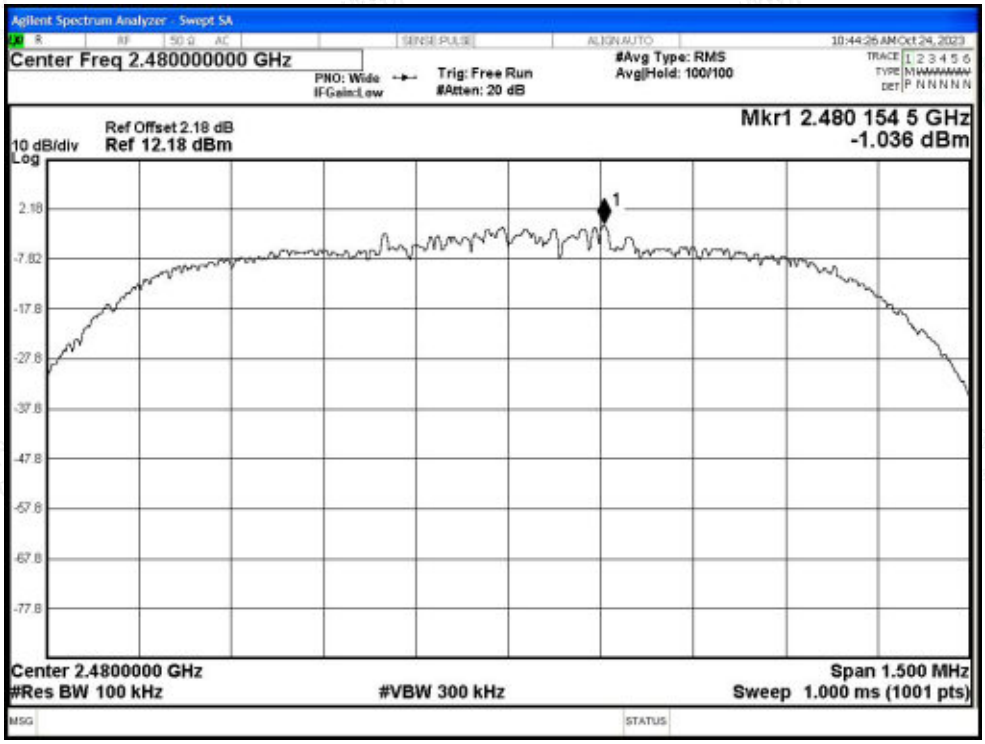
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



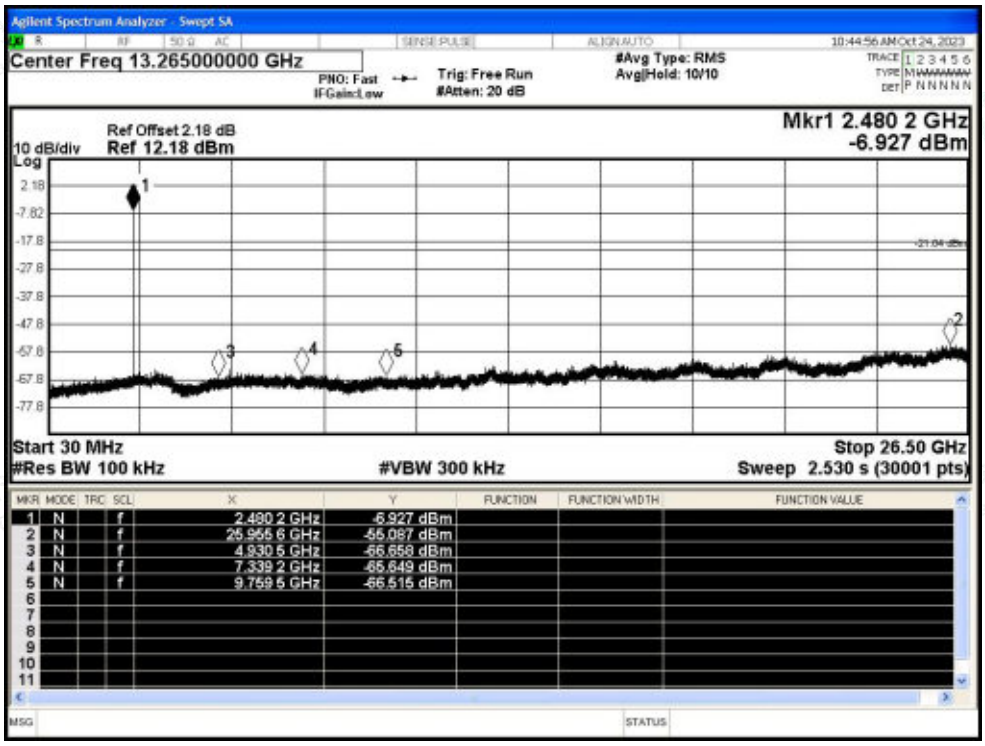
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



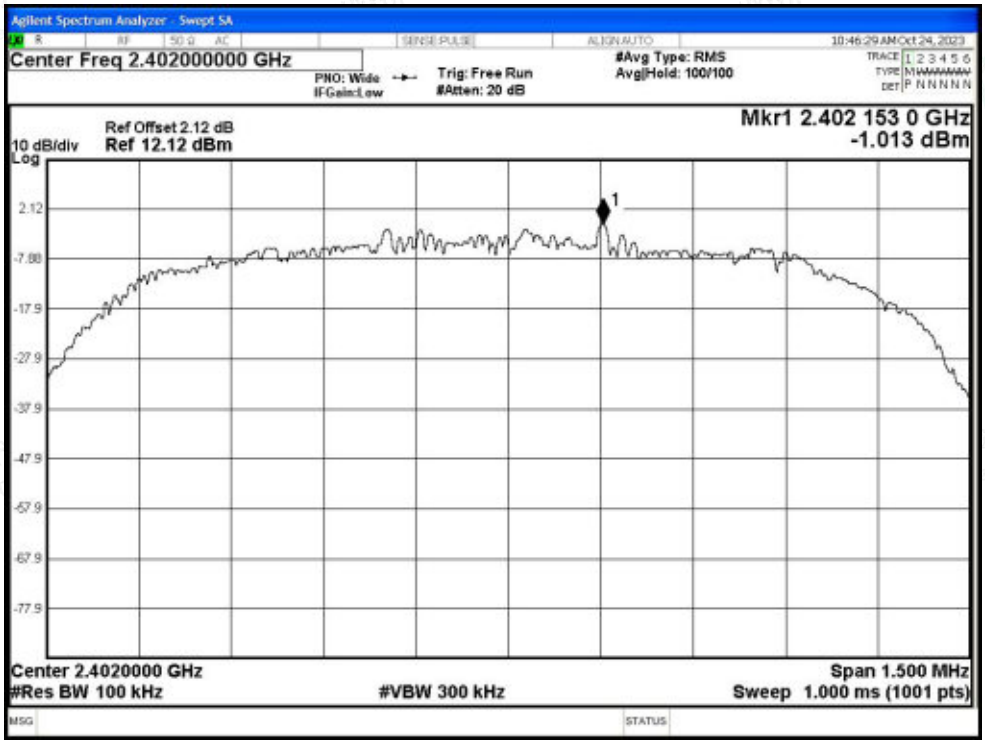
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



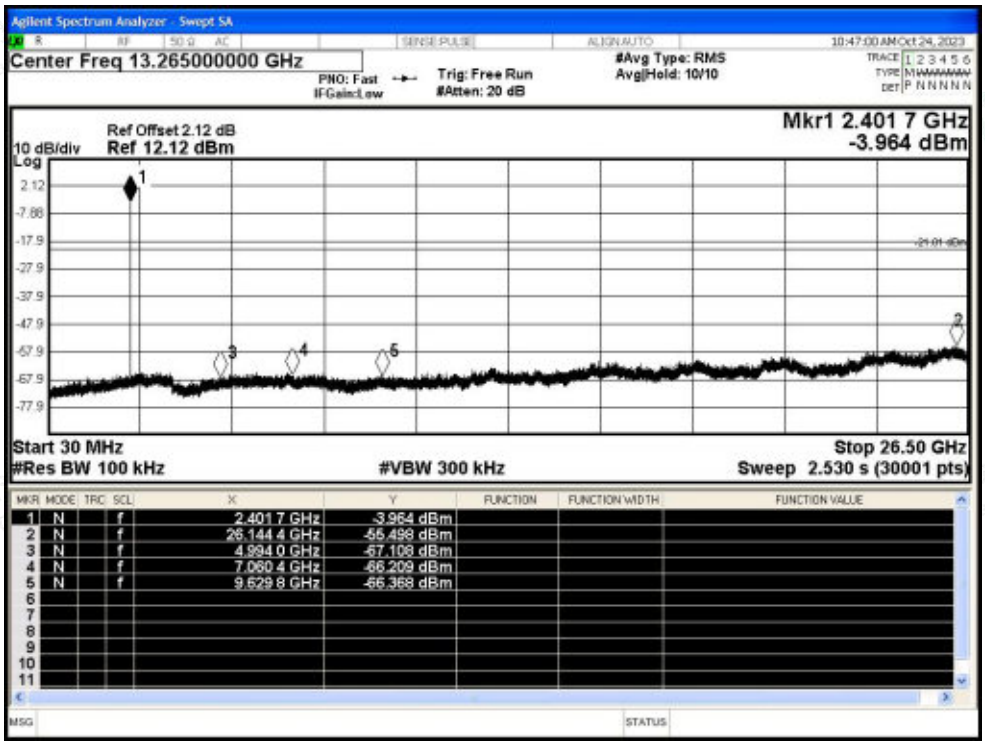
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



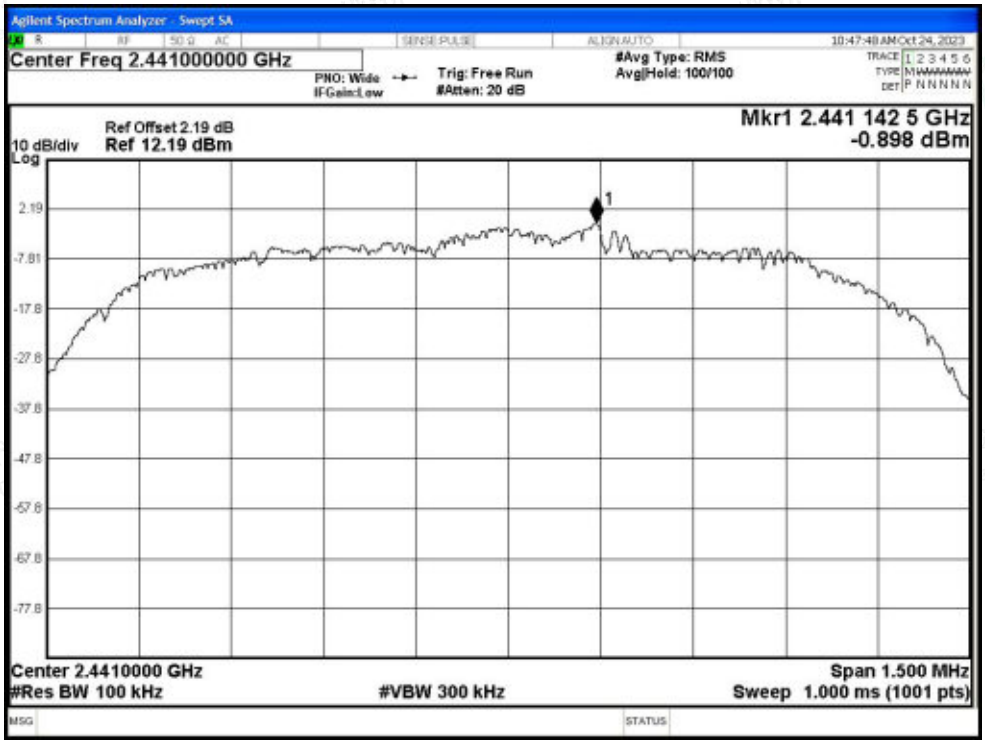
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



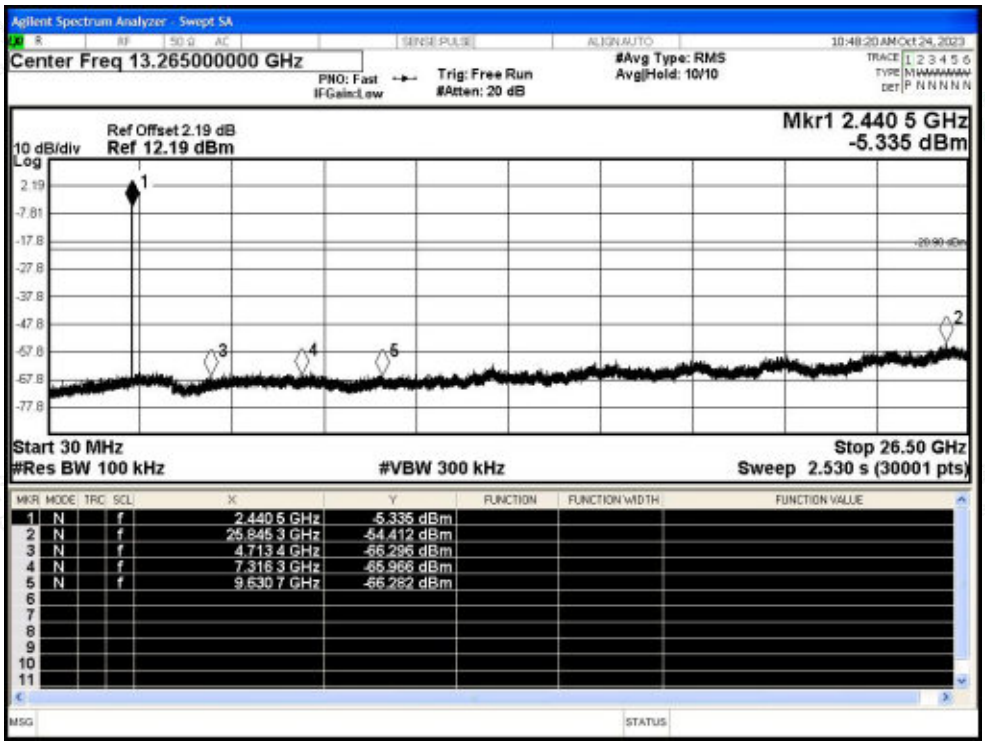
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



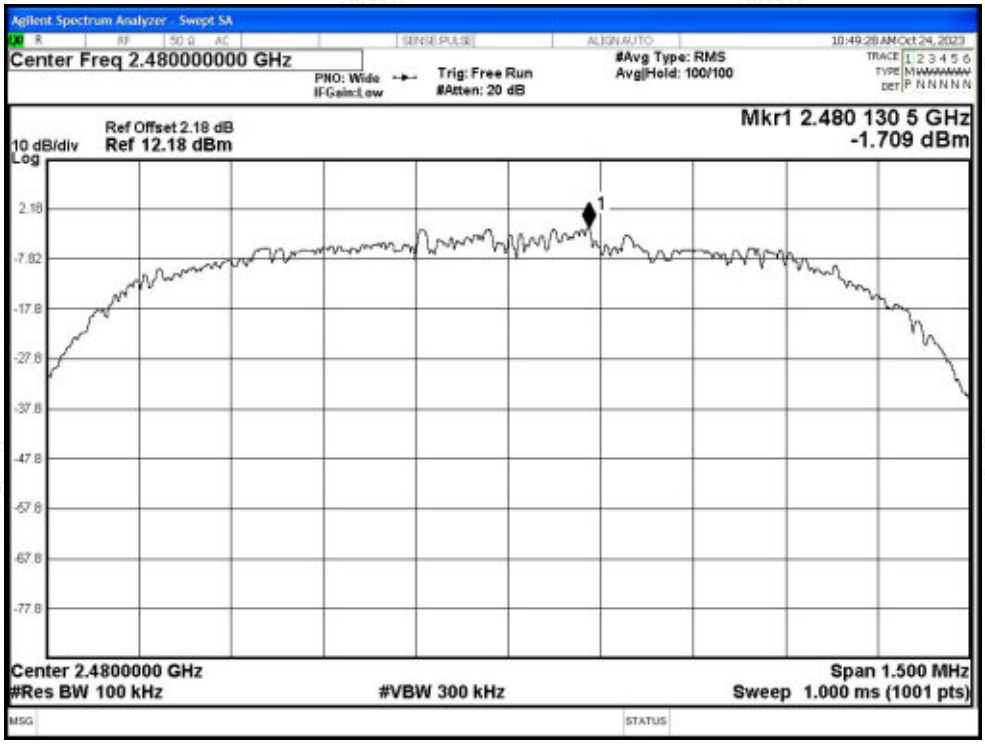
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



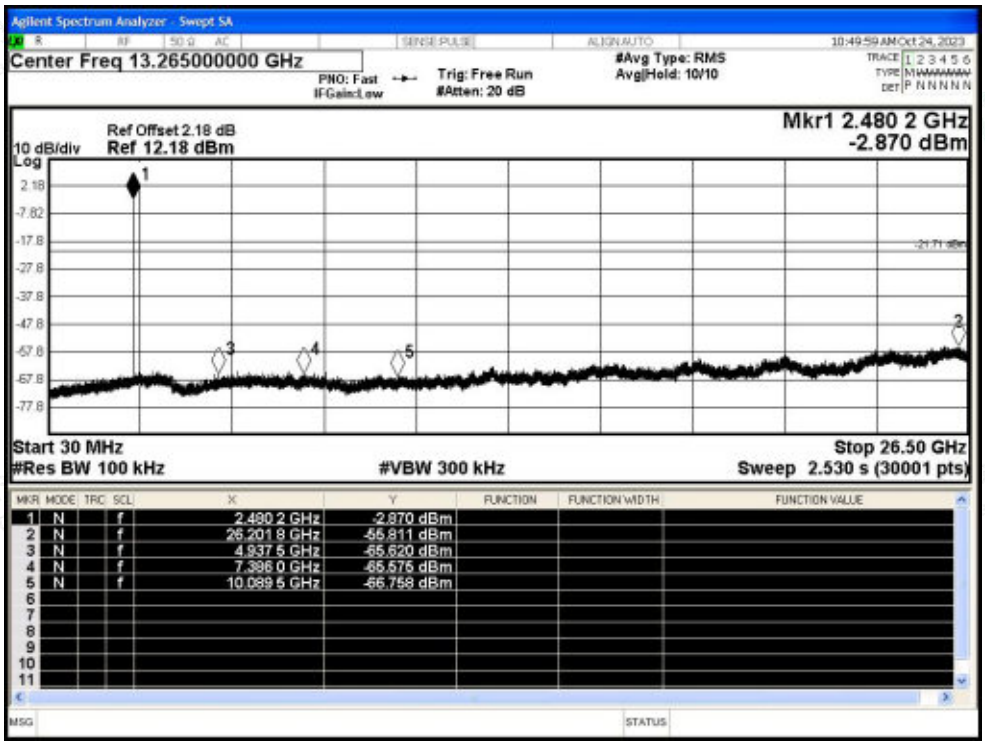
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

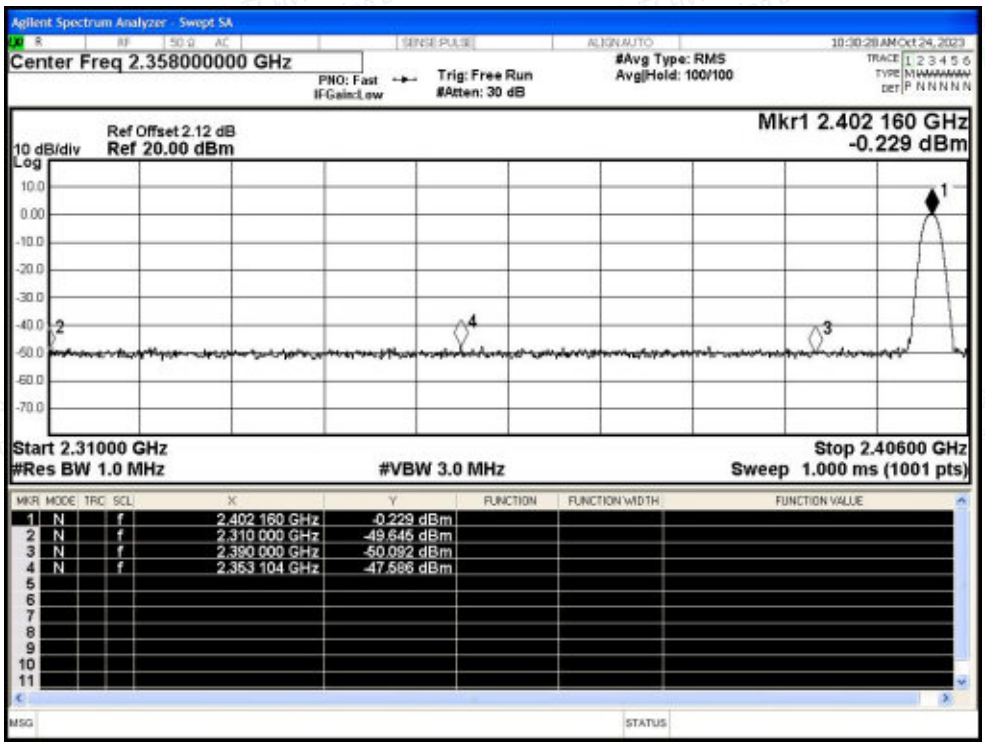


A.8 Restrict Band

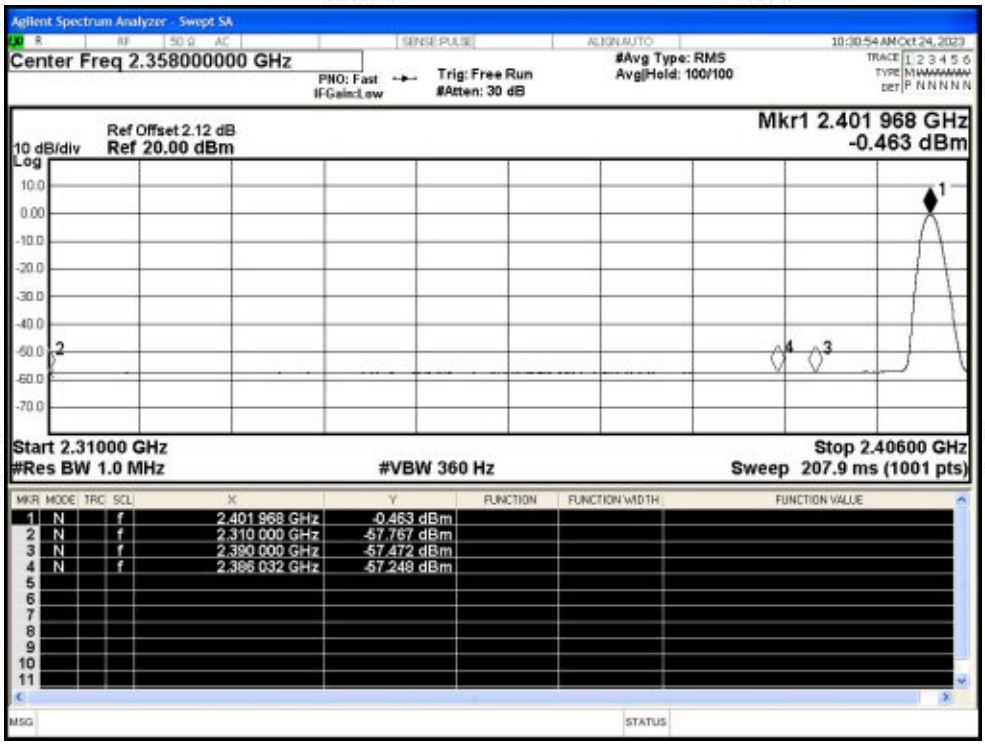
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.65	2	47.61	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.77	2	39.49	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2353.104	-47.59	2	49.67	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2386.032	-57.25	2	40.01	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.09	2	47.17	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.47	2	39.79	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-47.81	2	49.45	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-55.82	2	41.44	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2488.504	-47.15	2	50.11	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-55.82	2	41.44	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.62	2	47.64	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.11	2	40.15	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.92	2	47.34	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.77	2	39.49	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2320.368	-47.85	2	49.41	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.664	-57.3	2	39.96	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.63	2	47.63	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.39	2	39.87	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.73	2	48.53	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.63	2	41.63	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2487.52	-47.23	2	50.03	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.63	2	41.63	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.14	2	48.12	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.1	2	40.16	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.57	2	46.69	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-57.68	2	39.58	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2341.968	-46.37	2	50.89	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2384.208	-57.27	2	39.99	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.01	2	47.25	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.33	2	39.93	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.84	2	47.42	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-55.63	2	41.63	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2487.448	-46.79	2	50.47	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-55.63	2	41.63	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.76	2	47.5	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.02	2	40.24	Average	54	Pass

Test Graphs

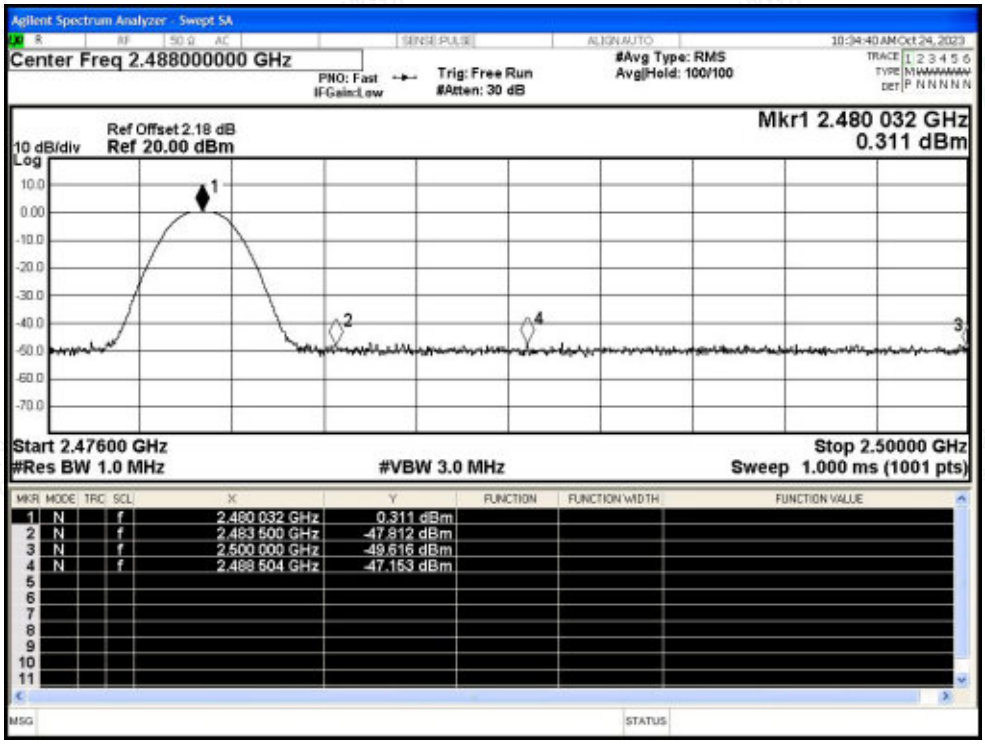
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



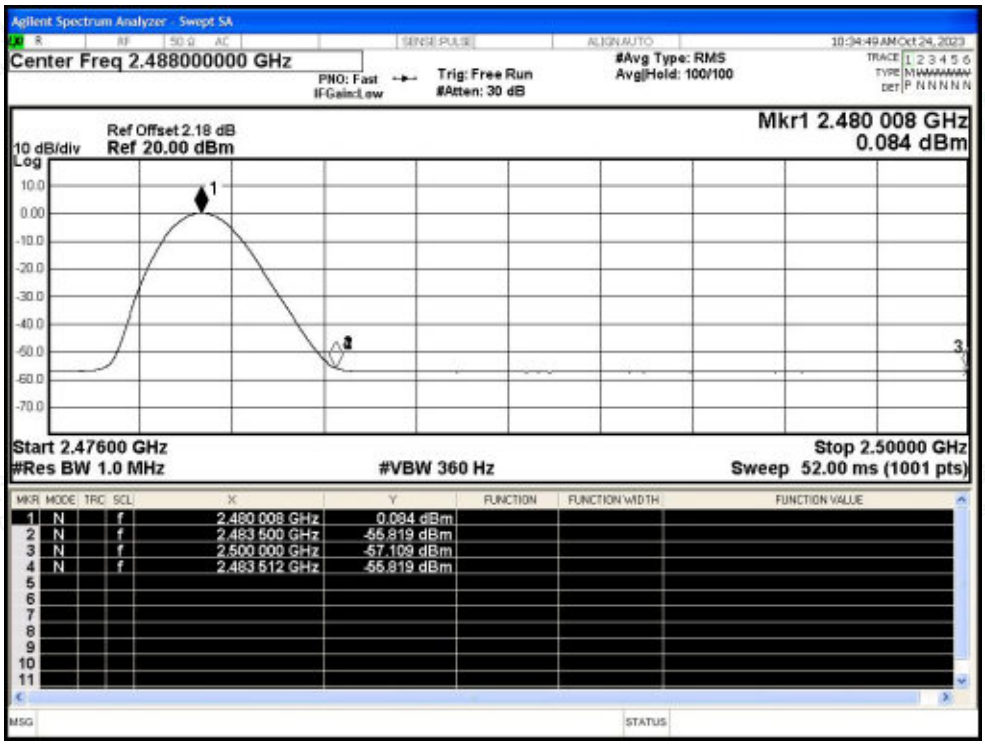
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



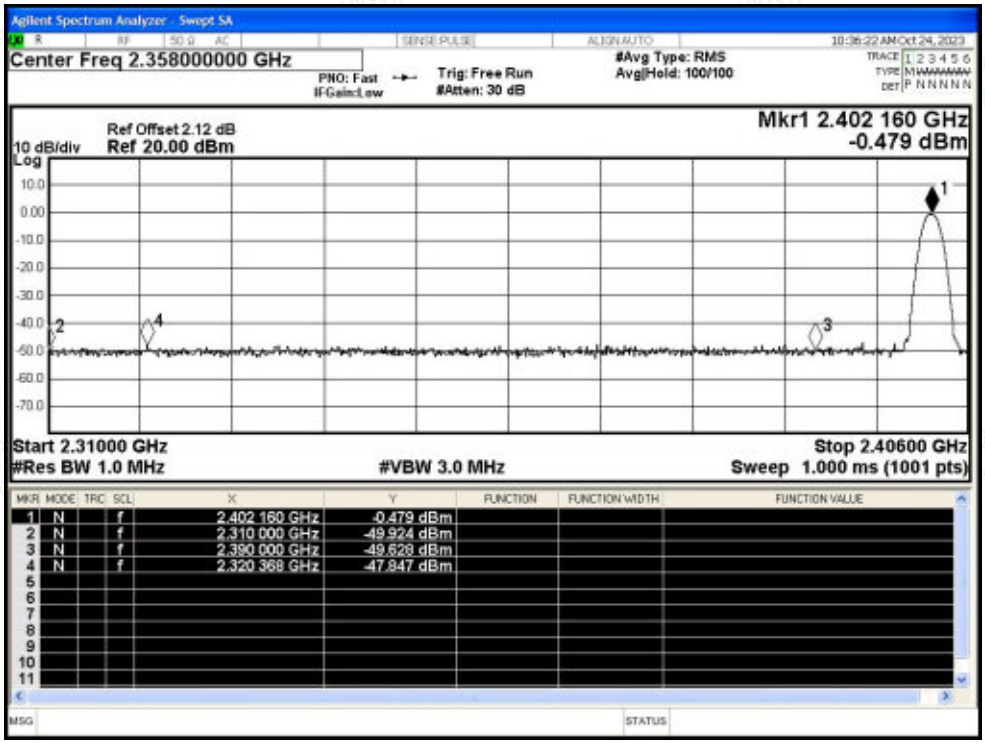
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



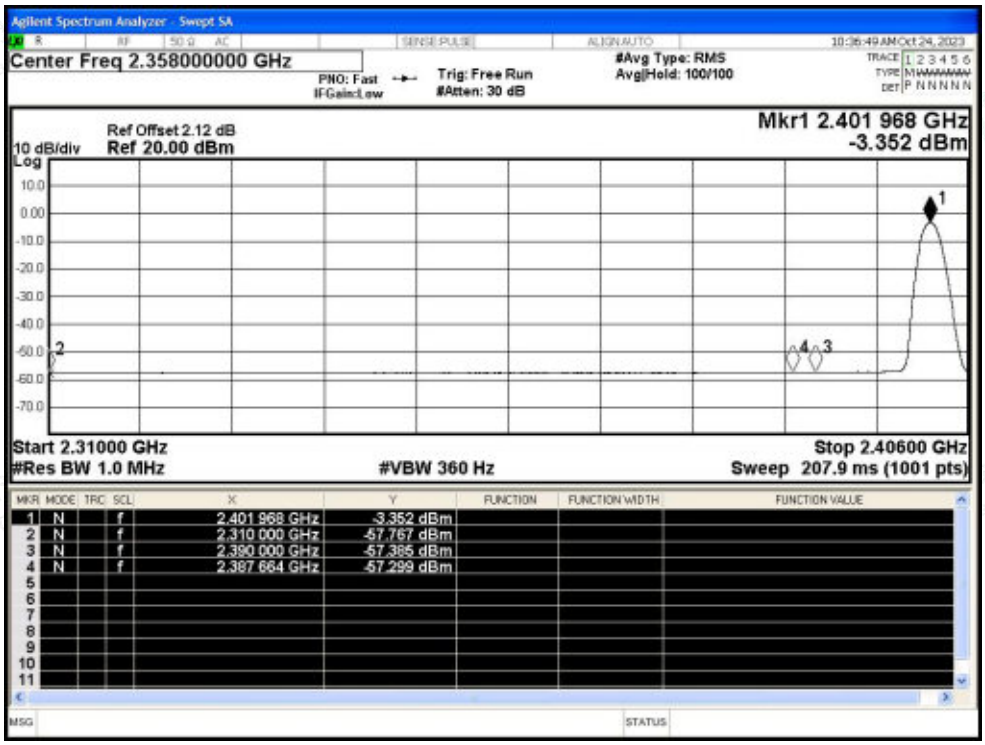
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



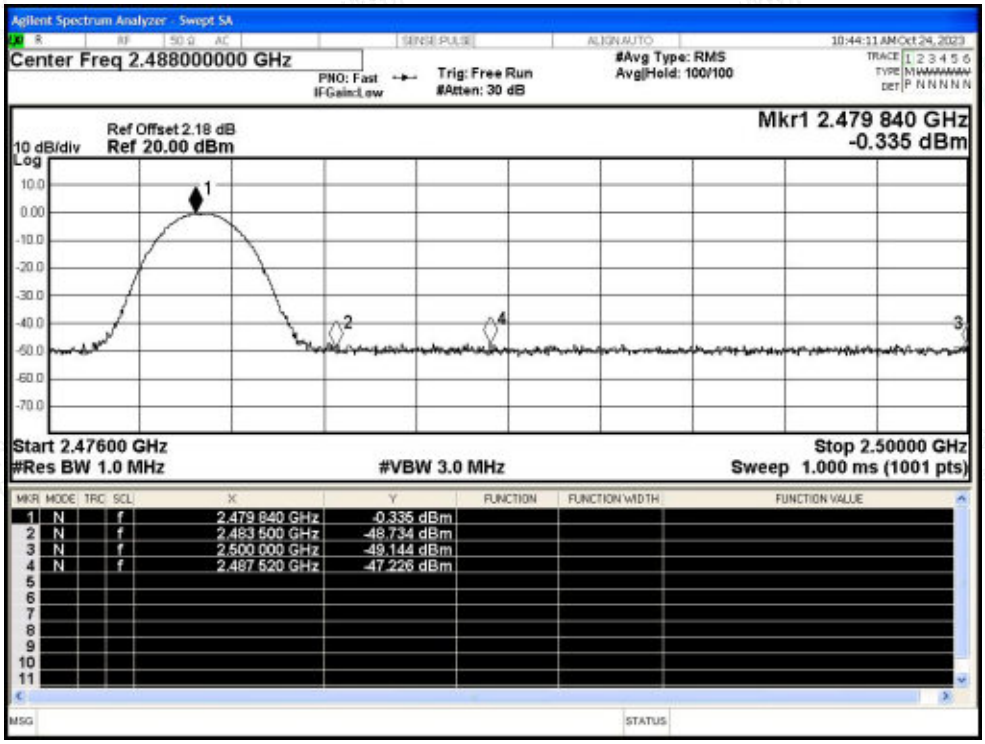
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



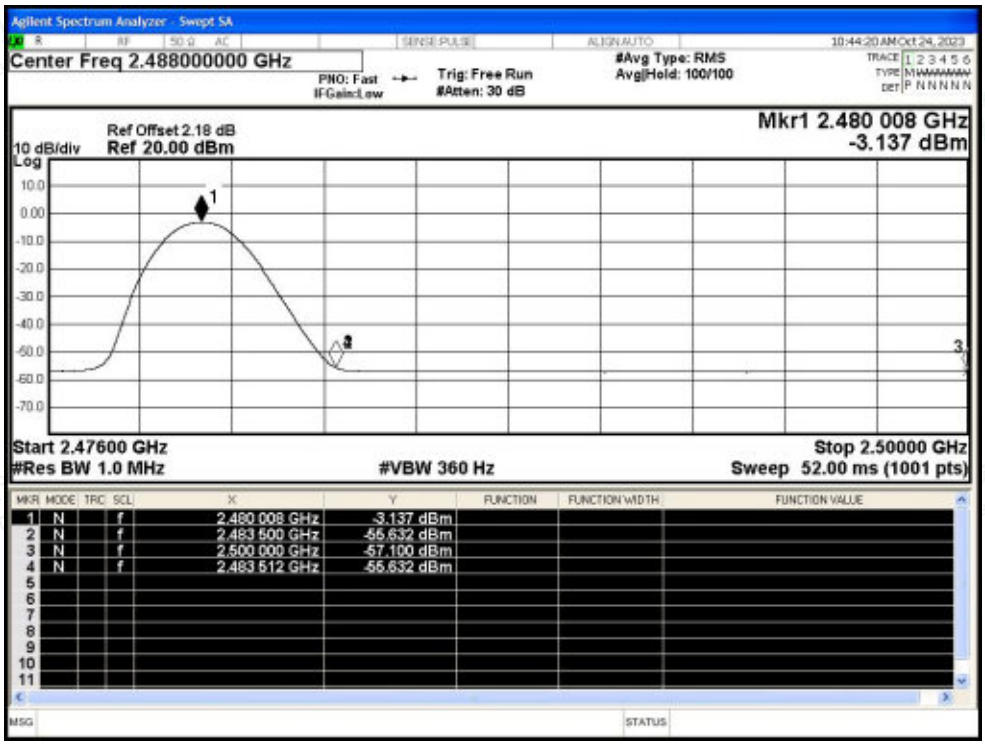
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



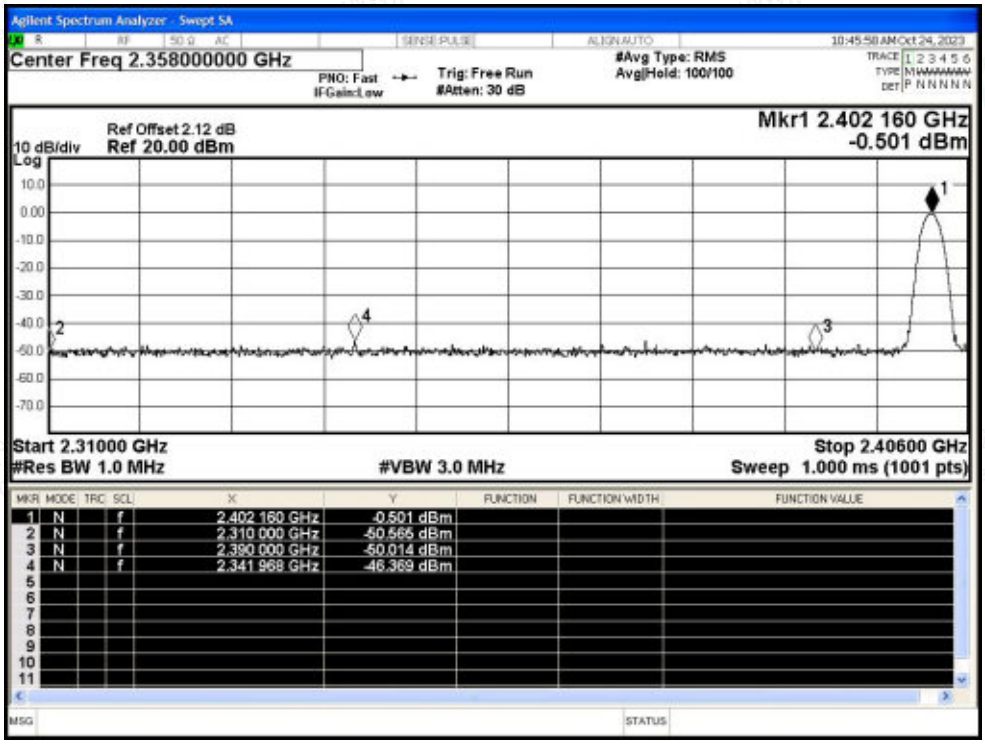
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



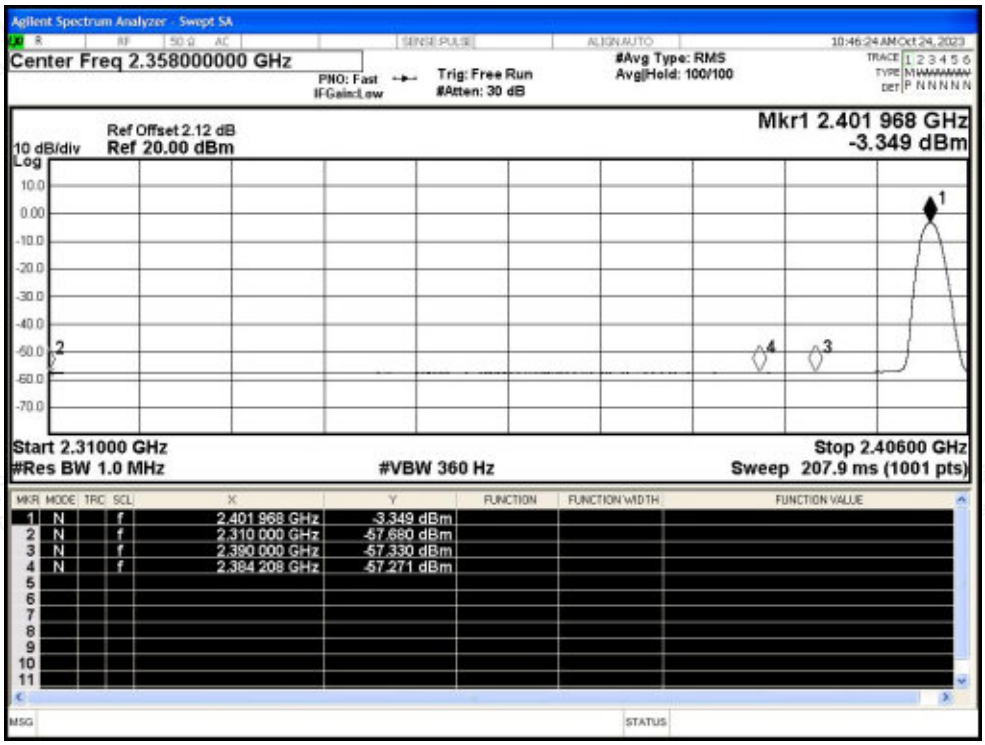
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



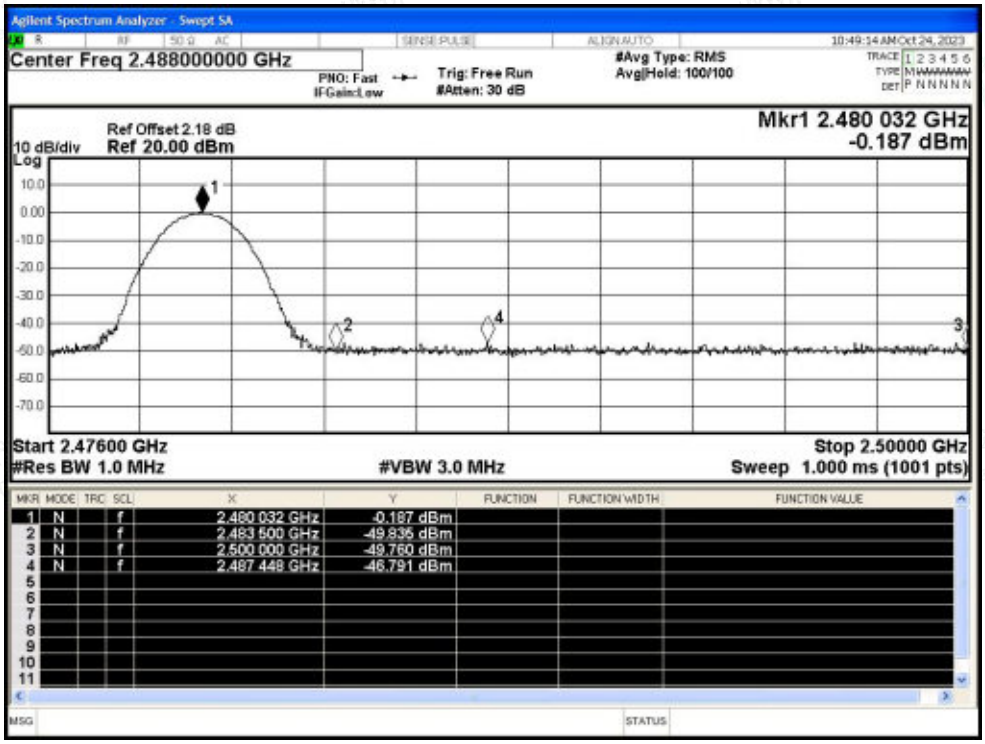
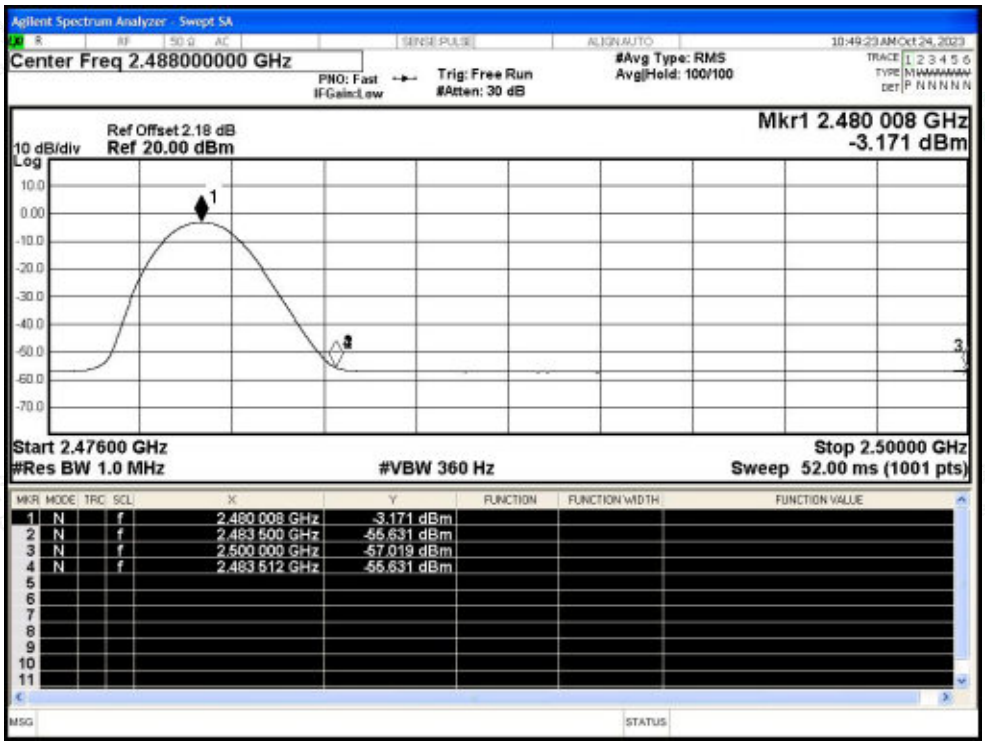
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average