Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Mini PC

Test Model: Catseye NUC24CEN1

Environmental Conditions

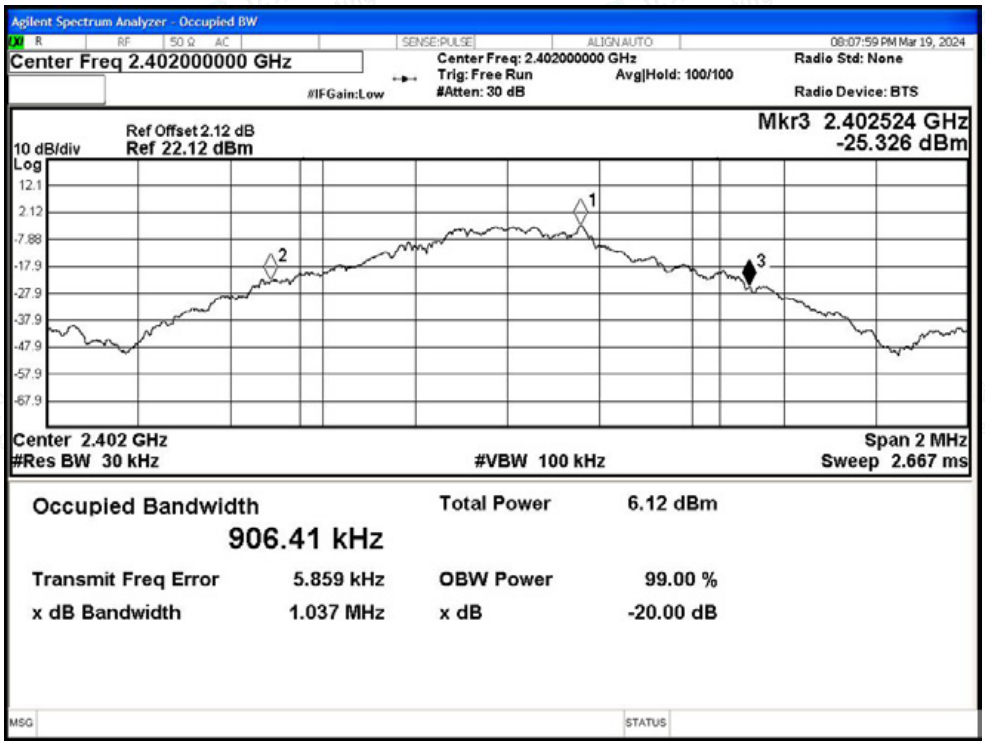
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Summer Wu

A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant0	1.037	N/A	Pass
NVNT	1-DH5	2441	Ant0	1.048	N/A	Pass
NVNT	1-DH5	2480	Ant0	1.016	N/A	Pass
NVNT	2-DH5	2402	Ant0	1.315	N/A	Pass
NVNT	2-DH5	2441	Ant0	1.322	N/A	Pass
NVNT	2-DH5	2480	Ant0	1.309	N/A	Pass
NVNT	3-DH5	2402	Ant0	1.312	N/A	Pass
NVNT	3-DH5	2441	Ant0	1.295	N/A	Pass
NVNT	3-DH5	2480	Ant0	1.312	N/A	Pass

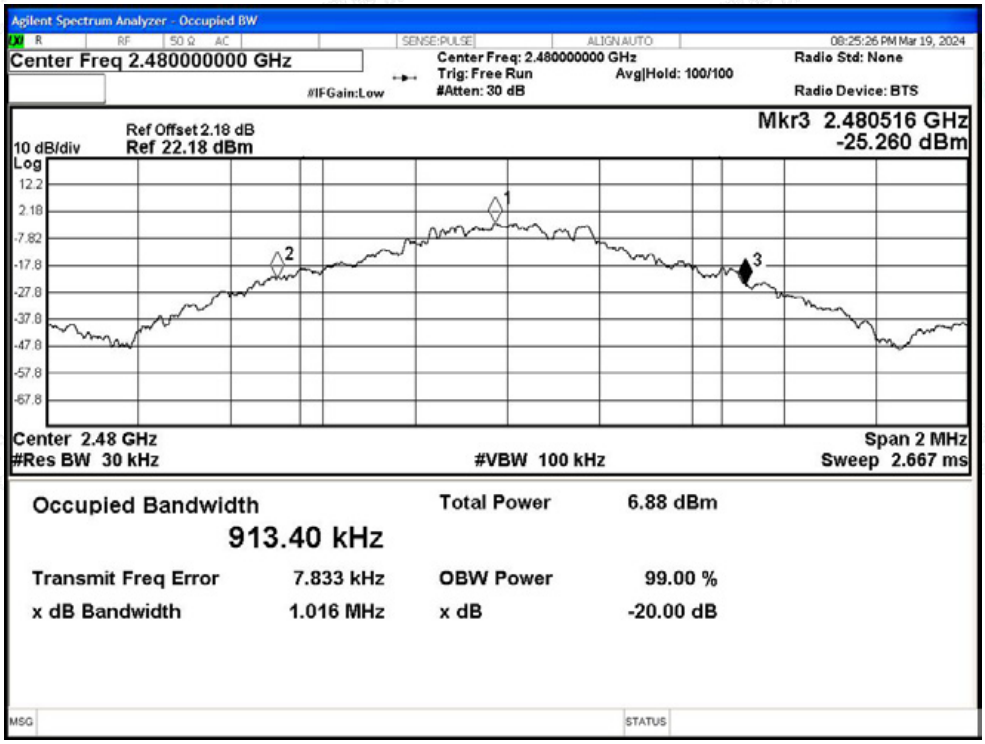
Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant0

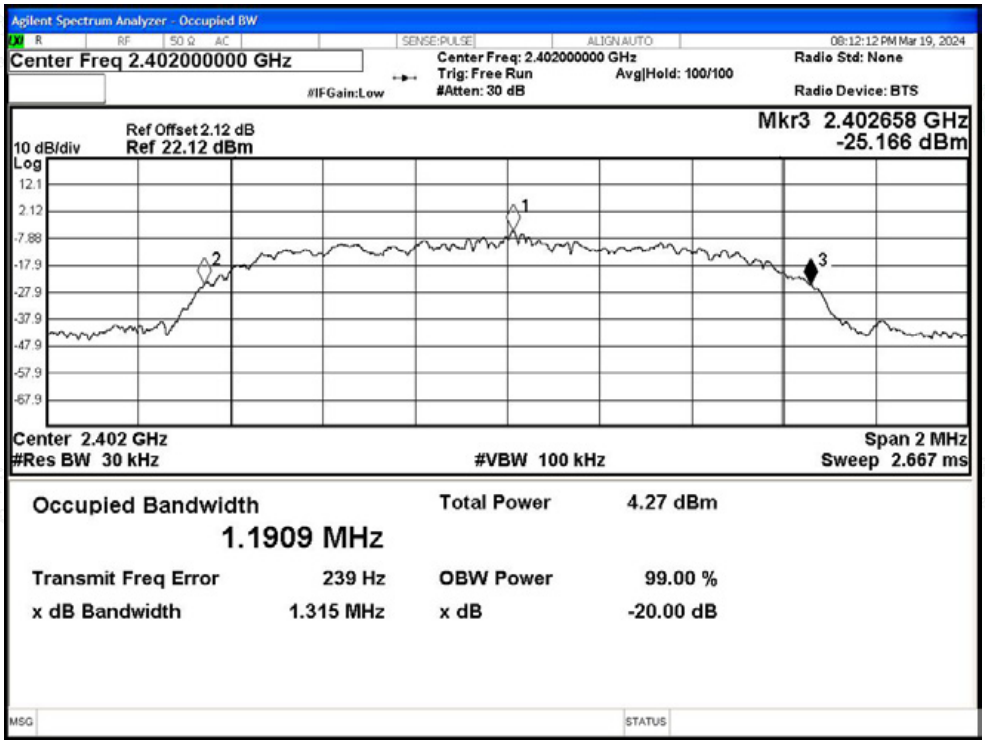


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant0

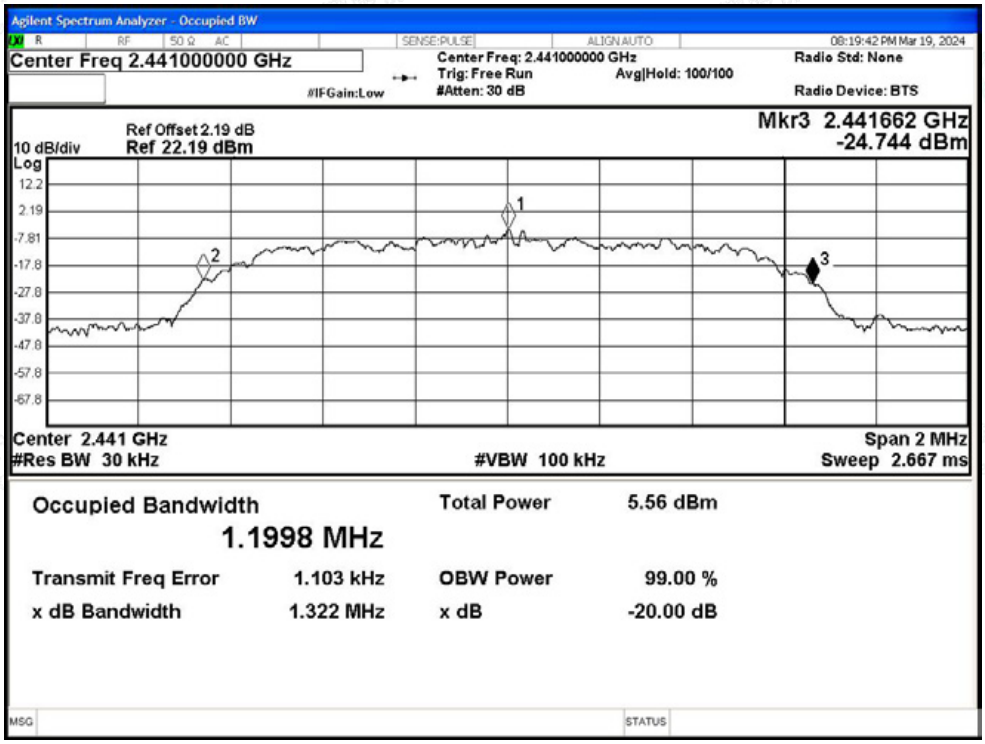
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant0



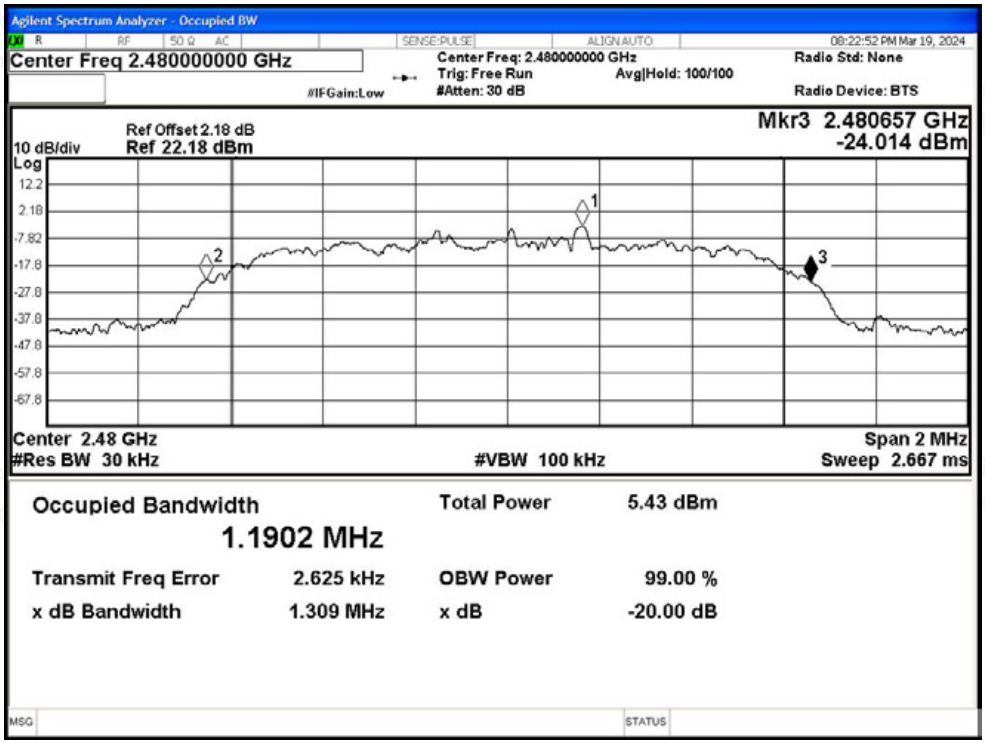
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant0



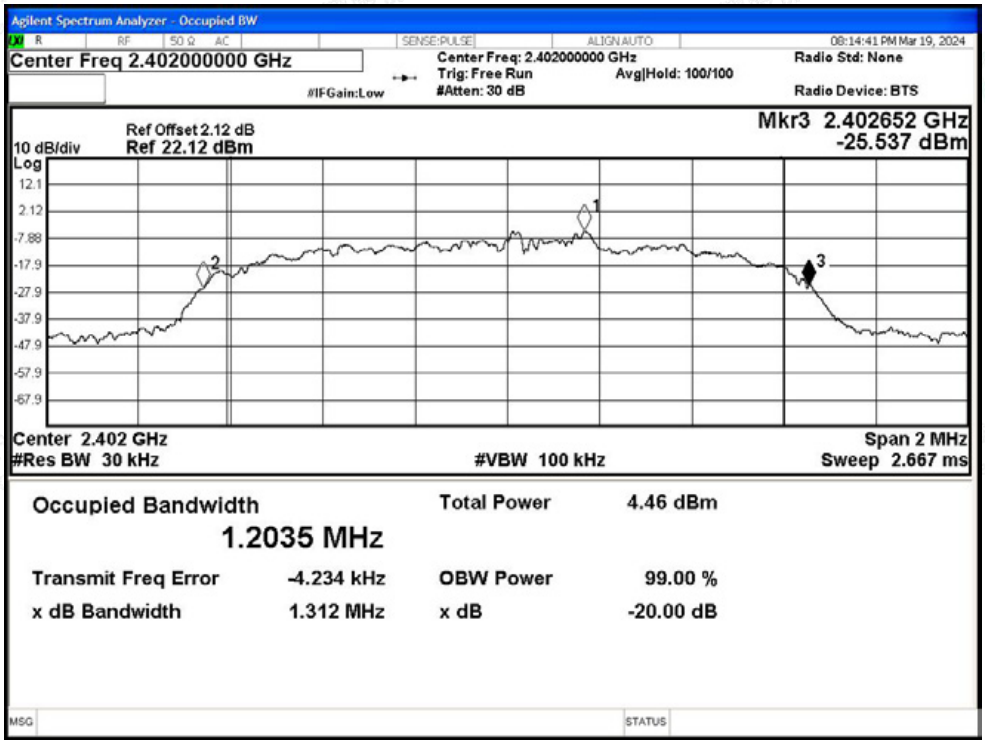
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant0



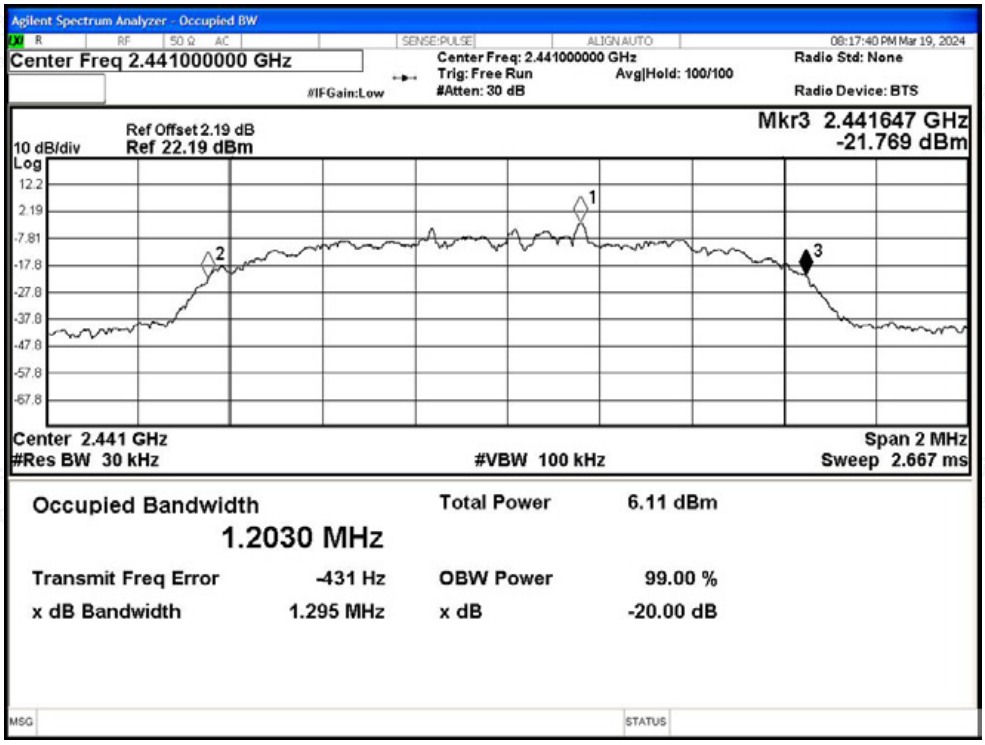
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant0



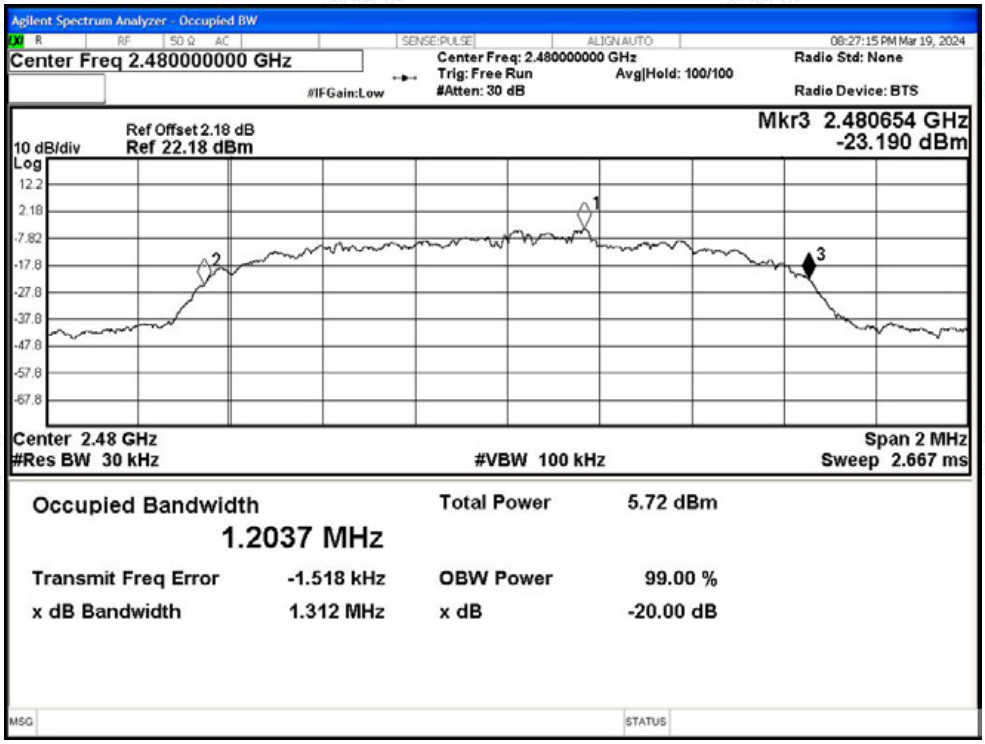
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant0



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant0



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant0

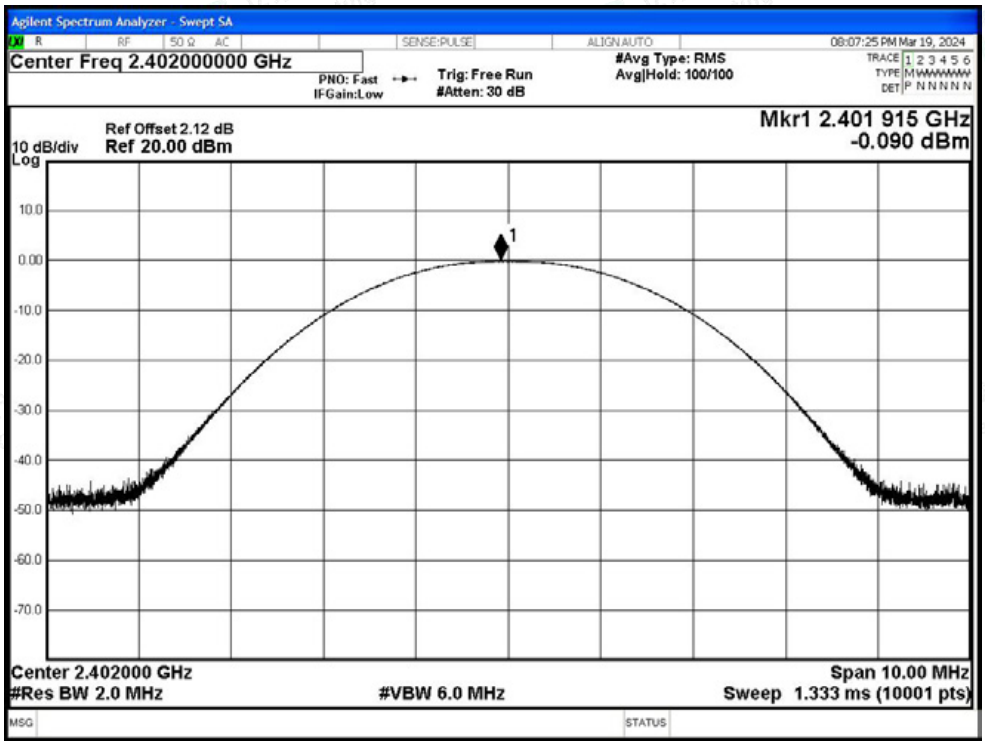


A.2 Maximum Conducted Output Power

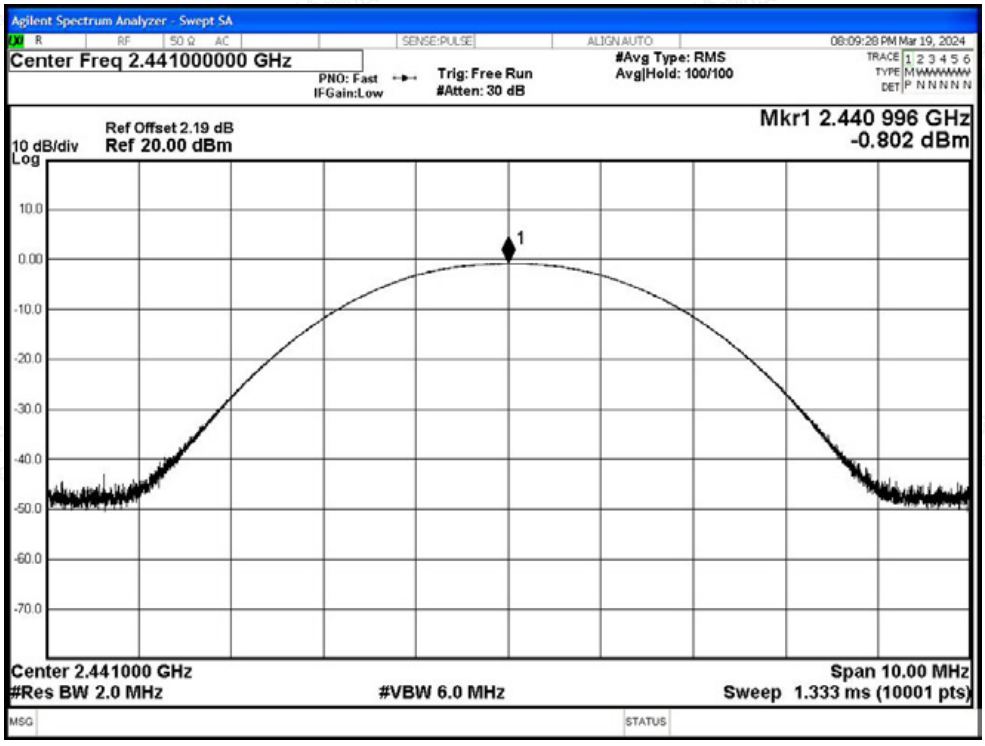
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant0	-0.09	21	Pass
NVNT	1-DH5	2441	Ant0	-0.8	21	Pass
NVNT	1-DH5	2480	Ant0	0.83	21	Pass
NVNT	2-DH5	2402	Ant0	-0.31	21	Pass
NVNT	2-DH5	2441	Ant0	1.17	21	Pass
NVNT	2-DH5	2480	Ant0	0.56	21	Pass
NVNT	3-DH5	2402	Ant0	-0.54	21	Pass
NVNT	3-DH5	2441	Ant0	1.02	21	Pass
NVNT	3-DH5	2480	Ant0	0.49	21	Pass

Test Graphs

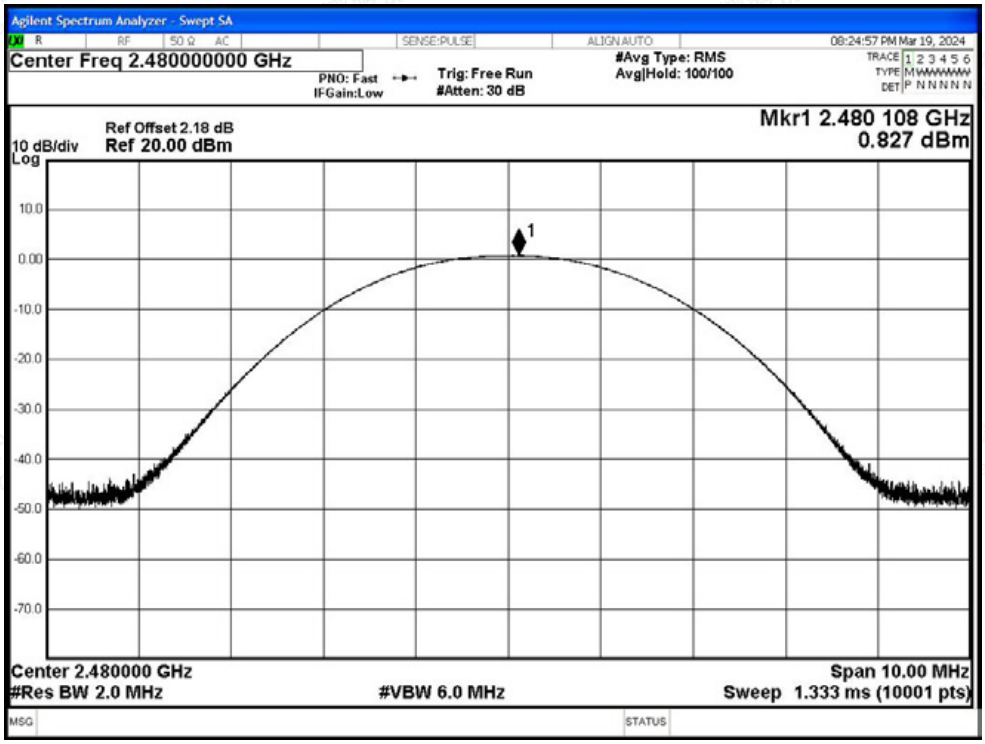
Power NVNT 1-DH5 2402MHz Ant0



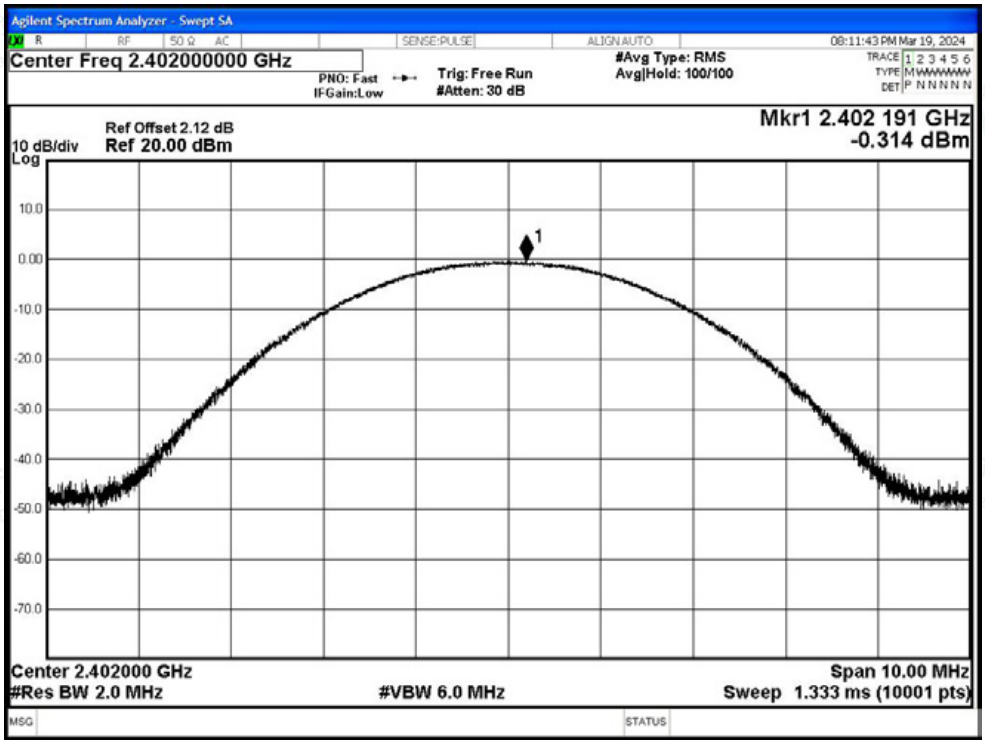
Power NVNT 1-DH5 2441MHz Ant0



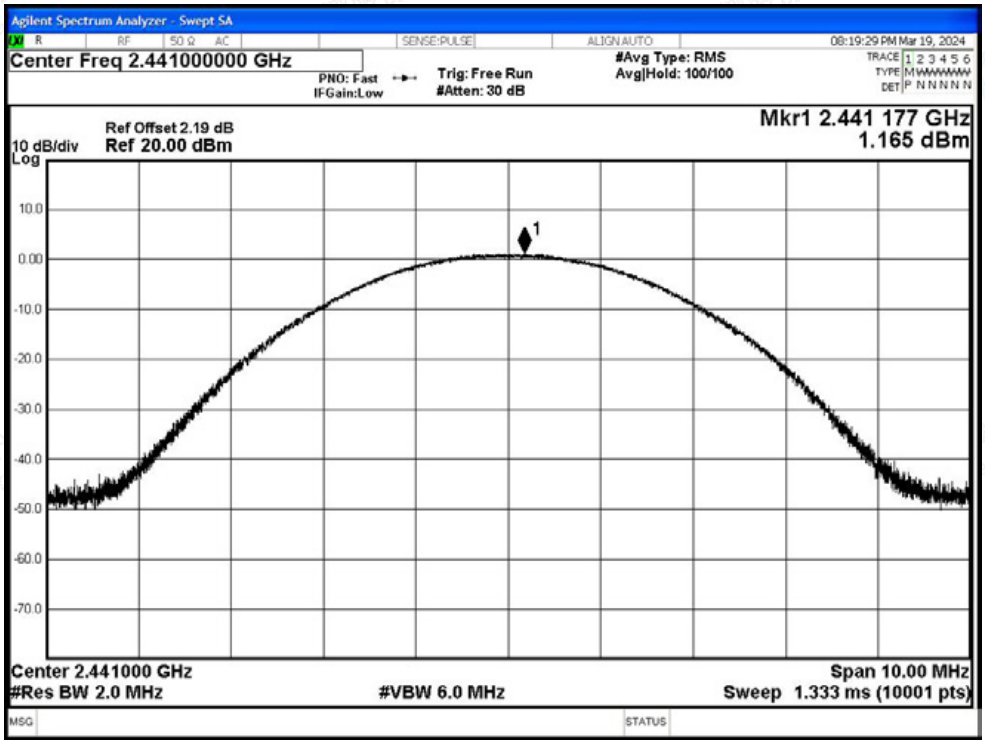
Power NVNT 1-DH5 2480MHz Ant0



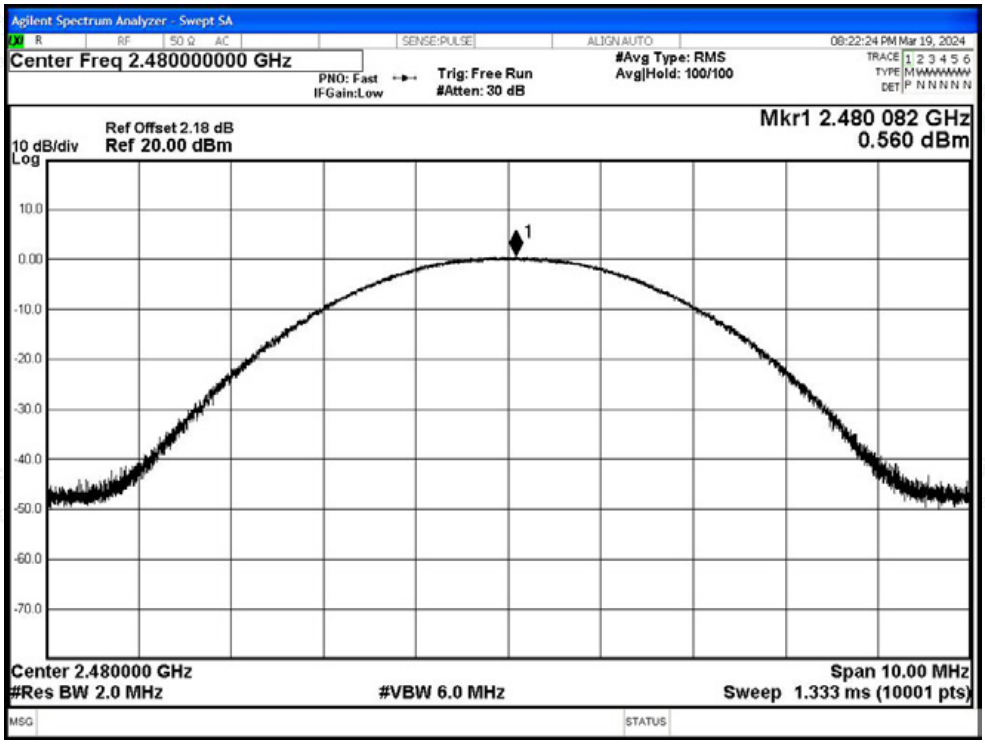
Power NVNT 2-DH5 2402MHz Ant0



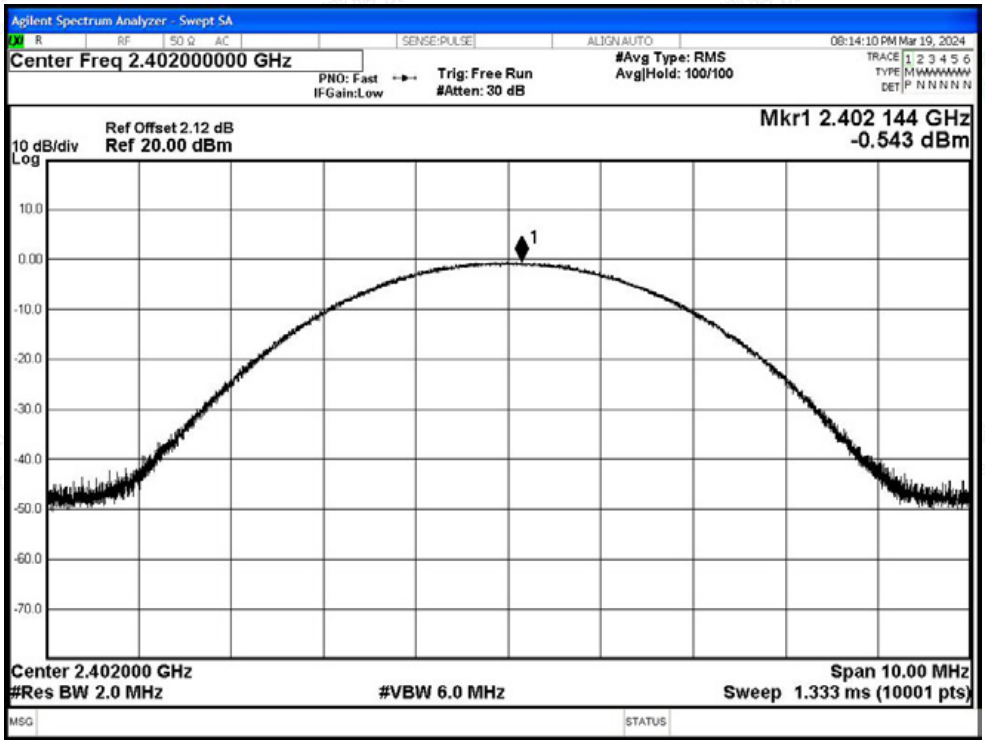
Power NVNT 2-DH5 2441MHz Ant0



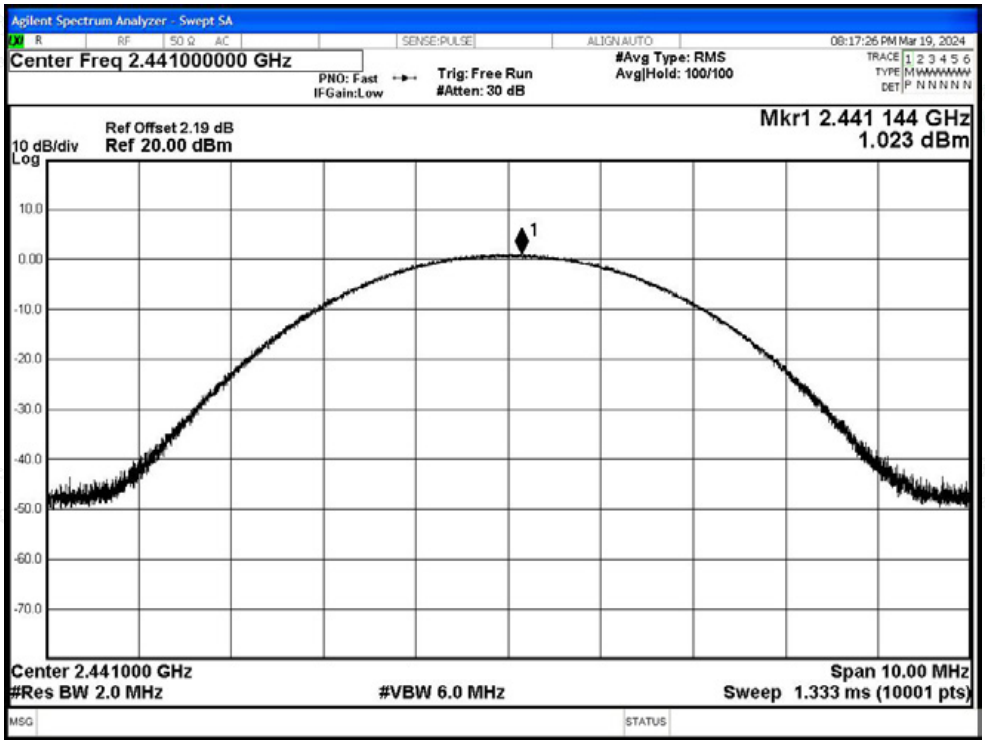
Power NVNT 2-DH5 2480MHz Ant0



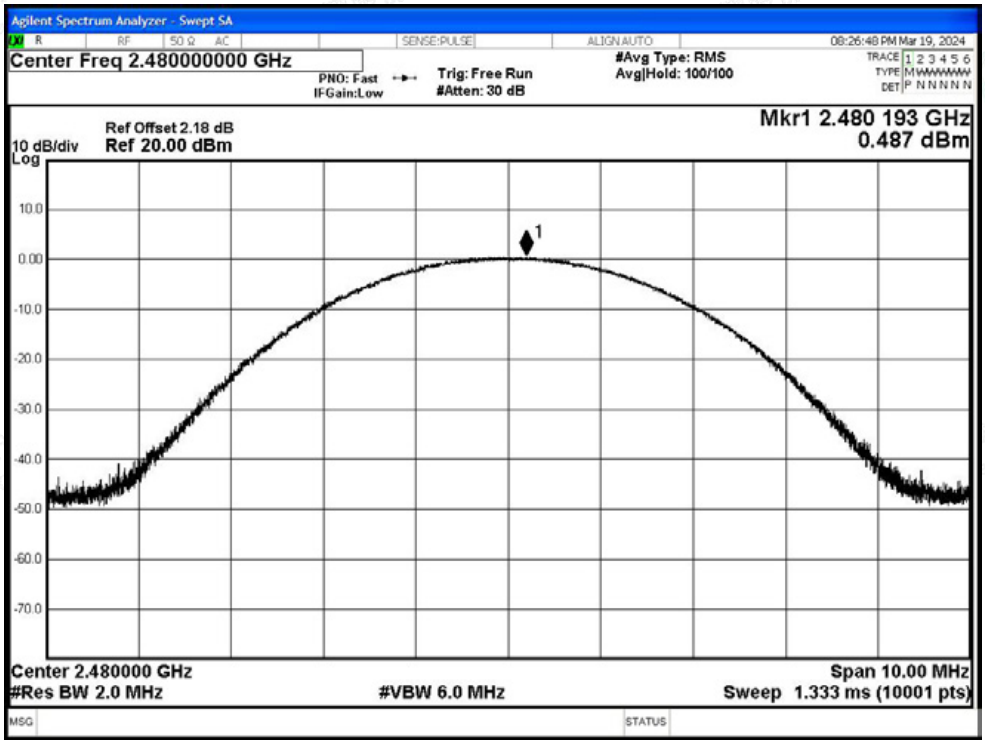
Power NVNT 3-DH5 2402MHz Ant0



Power NVNT 3-DH5 2441MHz Ant0



Power NVNT 3-DH5 2480MHz Ant0

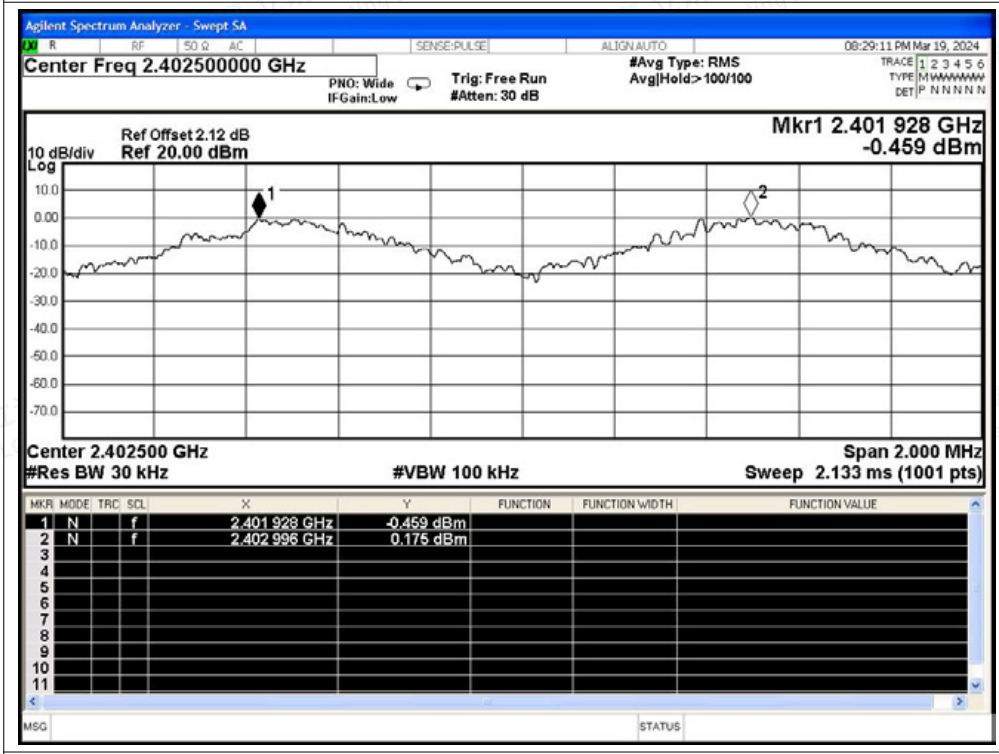


A.3 Carrier Frequencies Separation

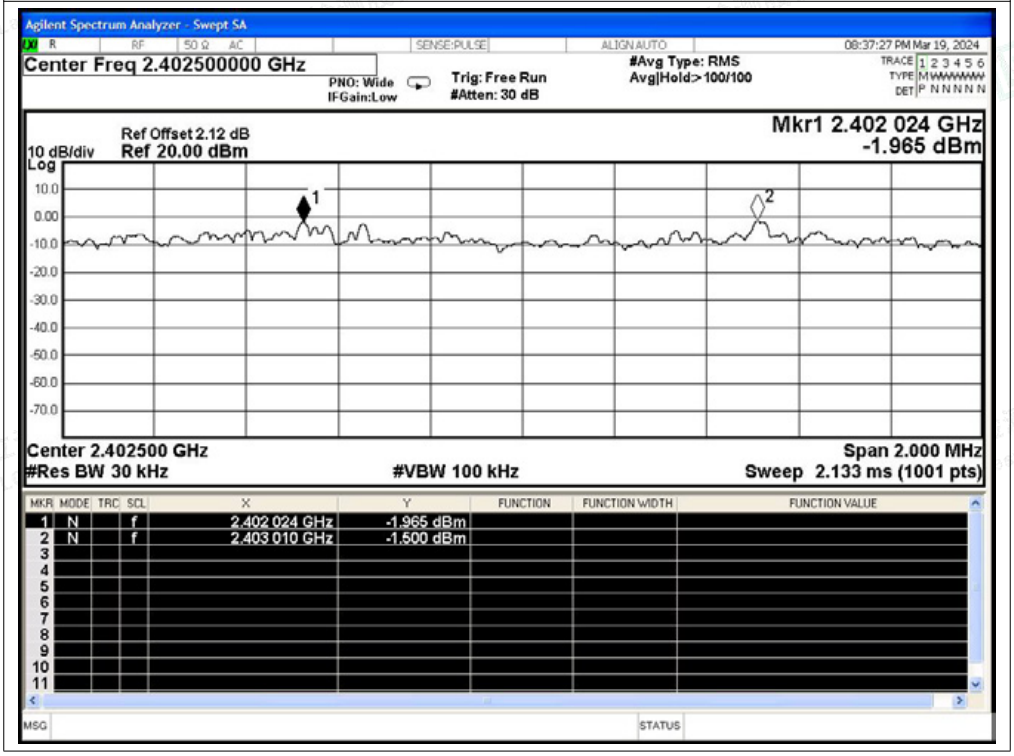
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant0	2401.928	2402.996	1.068	0.699	Pass
NVNT	2-DH5	Ant0	2402.024	2403.01	0.986	0.881	Pass
NVNT	3-DH5	Ant0	2402.176	2403.162	0.986	0.875	Pass

Test Graphs

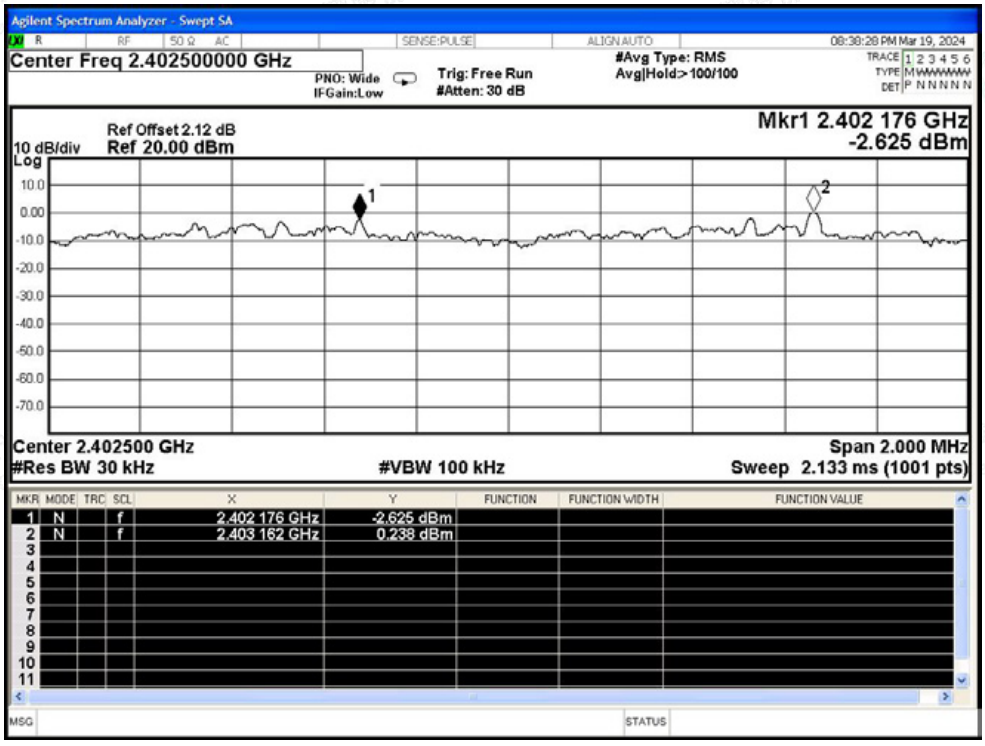
CFS NVNT 1-DH5 2402MHz Ant0



CFS NVNT 2-DH5 2402MHz Ant0



CFS NVNT 3-DH5 2402MHz Ant0

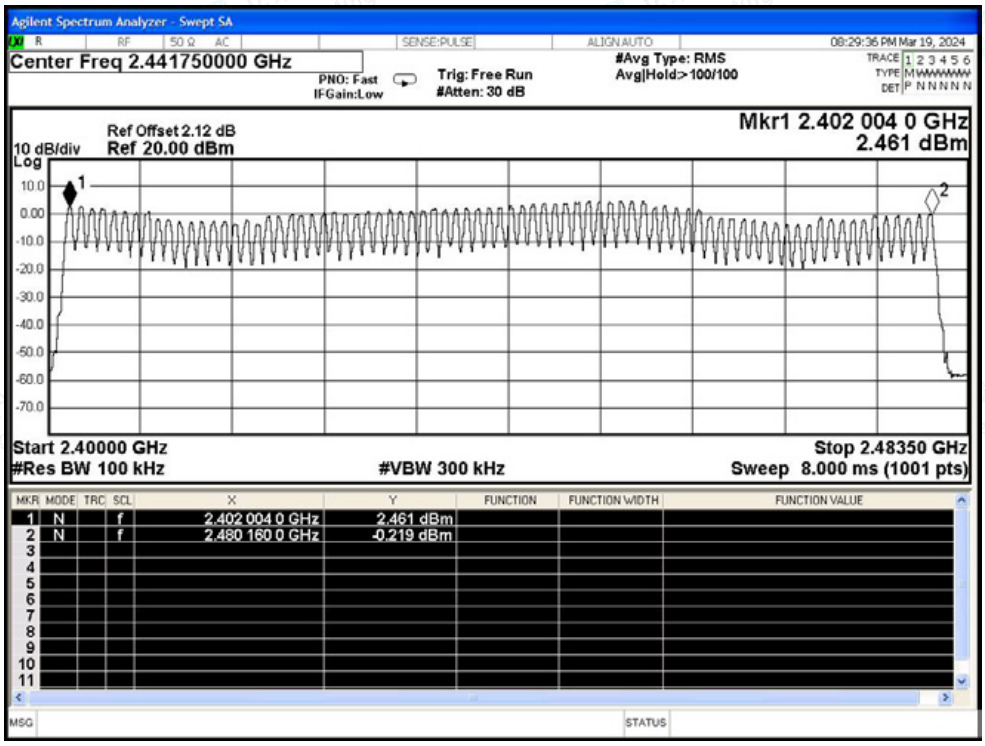


A.5 Number of Hopping Channel

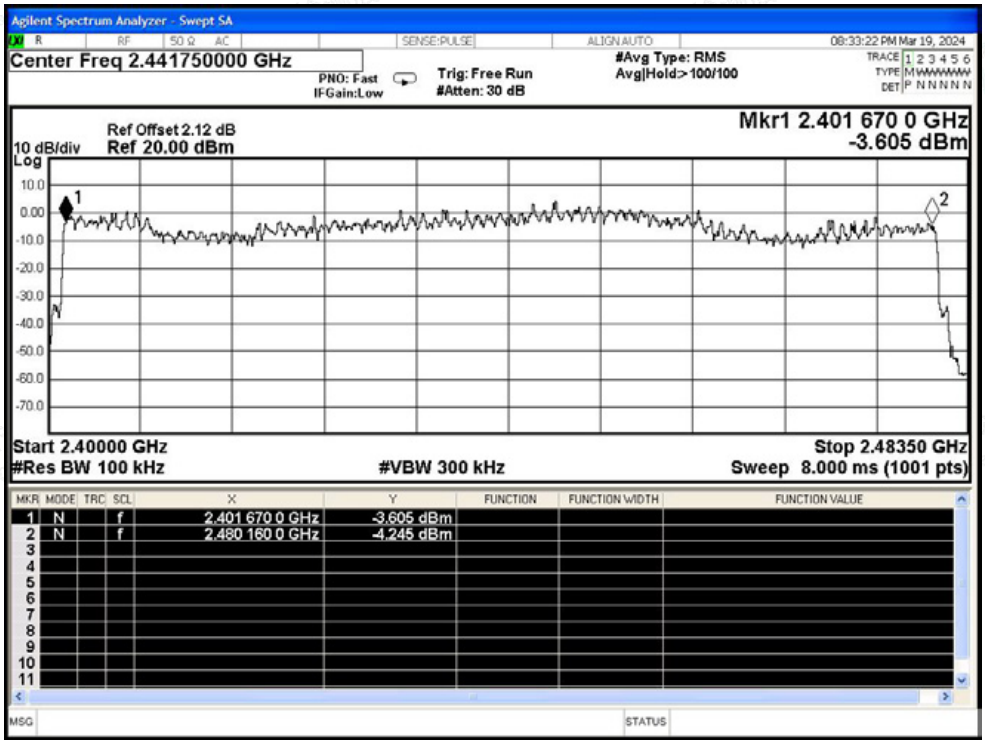
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant0	79	15	Pass
NVNT	2-DH5	Ant0	79	15	Pass
NVNT	3-DH5	Ant0	79	15	Pass

Test Graphs

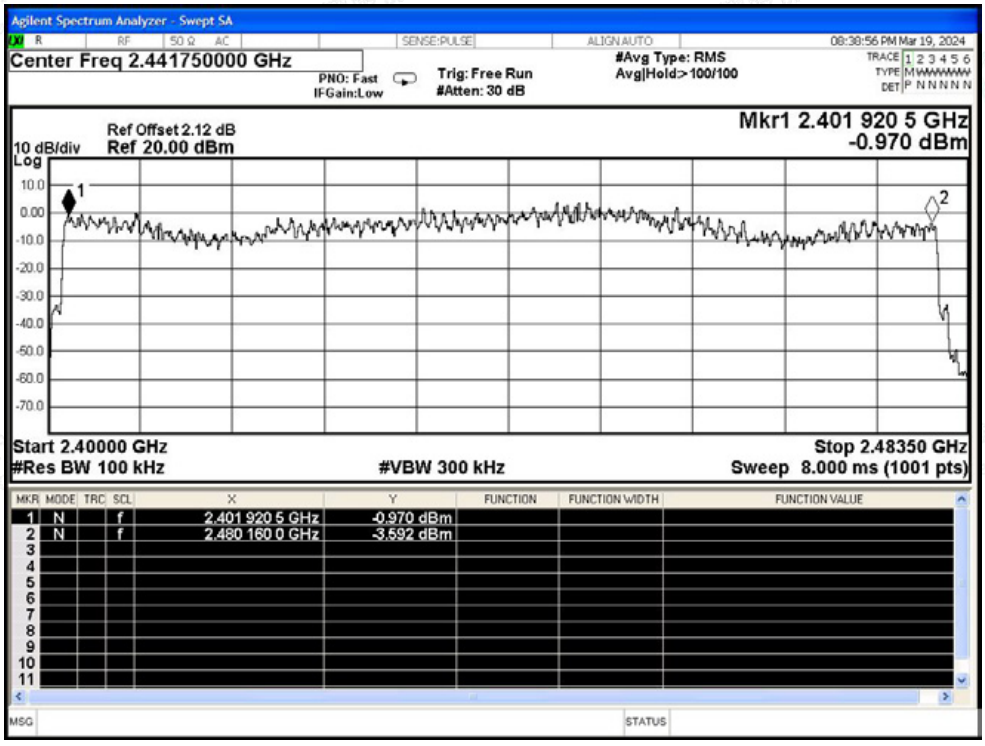
Hopping No. NVNT 1-DH5 2402MHz Ant0



Hopping No. NVNT 2-DH5 2402MHz Ant0



Hopping No. NVNT 3-DH5 2402MHz Ant0

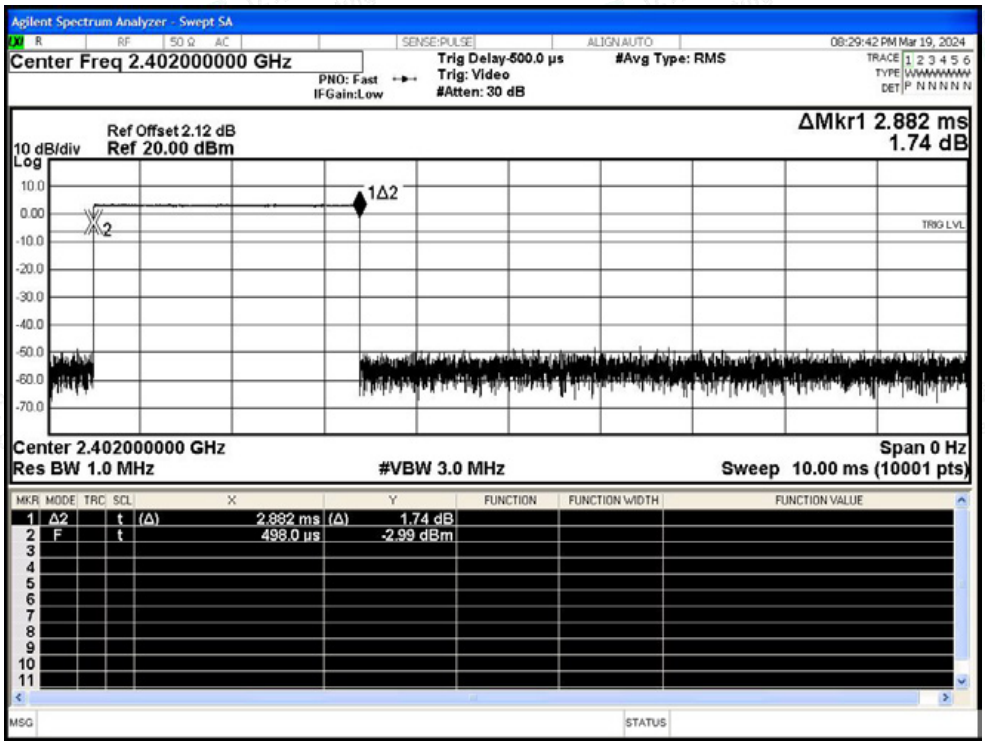


A.4 Dwell Time

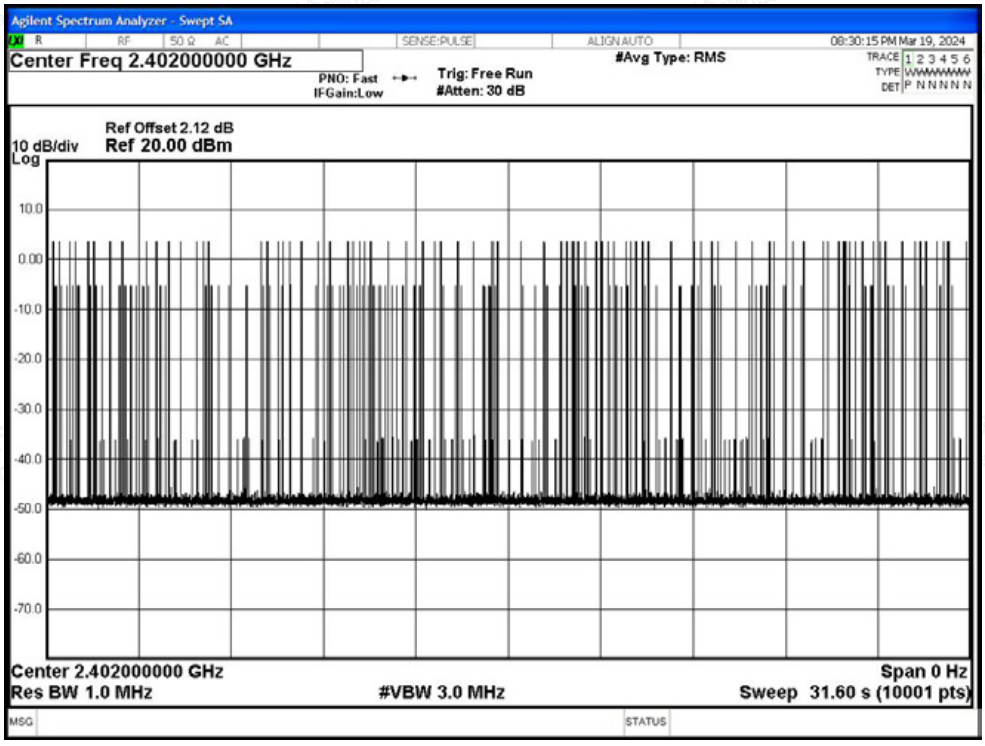
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant0	2.882	325.666	113	31600	400	Pass
NVNT	2-DH5	2402	Ant0	2.88	282.24	98	31600	400	Pass
NVNT	3-DH5	2402	Ant0	2.887	274.265	95	31600	400	Pass

Test Graphs

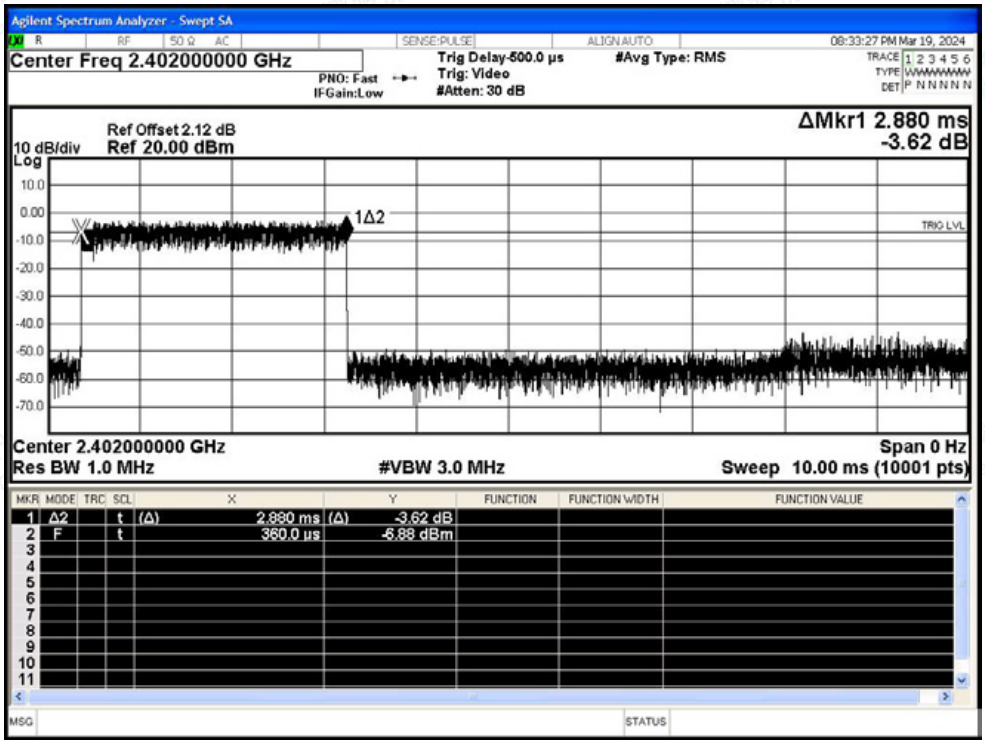
Dwell NVNT 1-DH5 2402MHz Ant0 One Burst



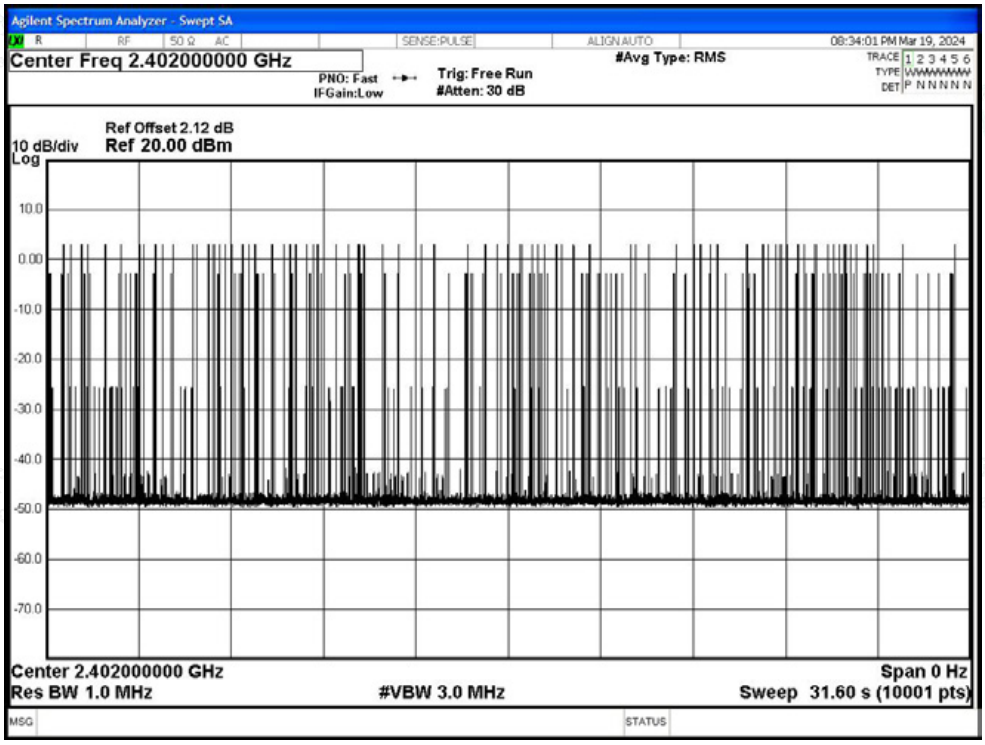
Dwell NVNT 1-DH5 2402MHz Ant0 Accumulated



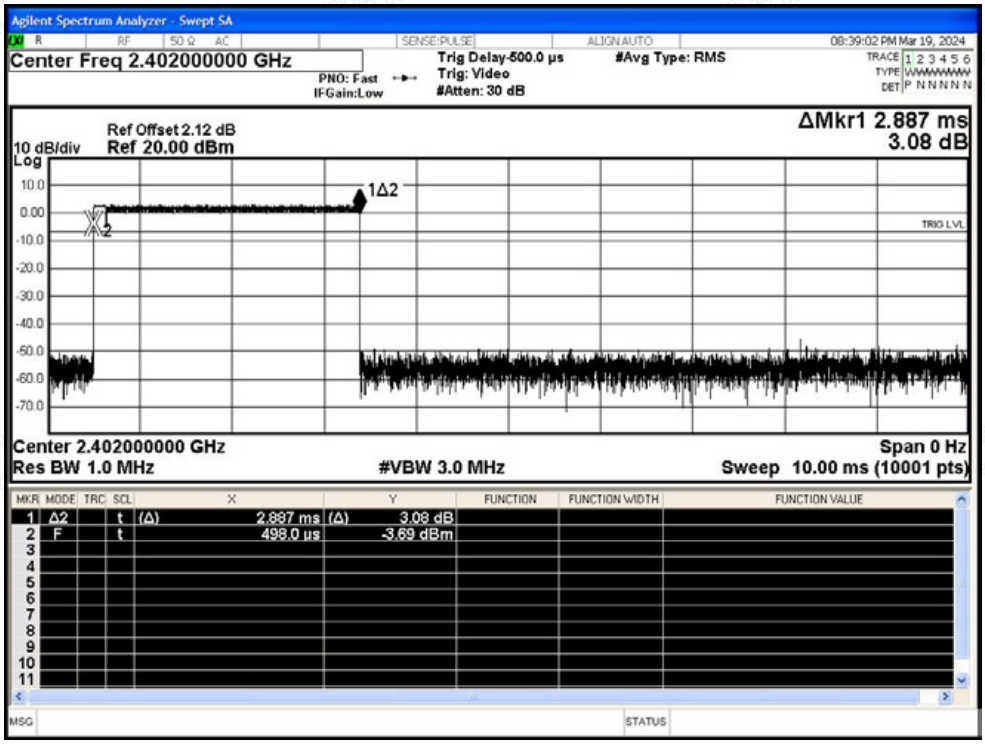
Dwell NVNT 2-DH5 2402MHz Ant0 One Burst



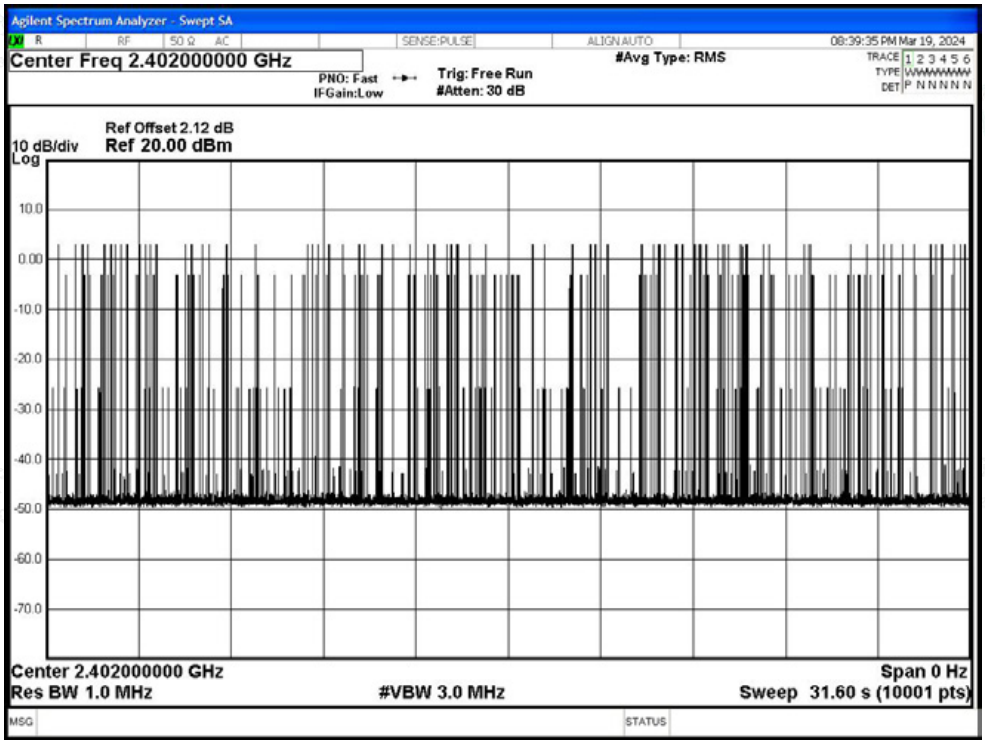
Dwell NVNT 2-DH5 2402MHz Ant0 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant0 One Burst



Dwell NVNT 3-DH5 2402MHz Ant0 Accumulated

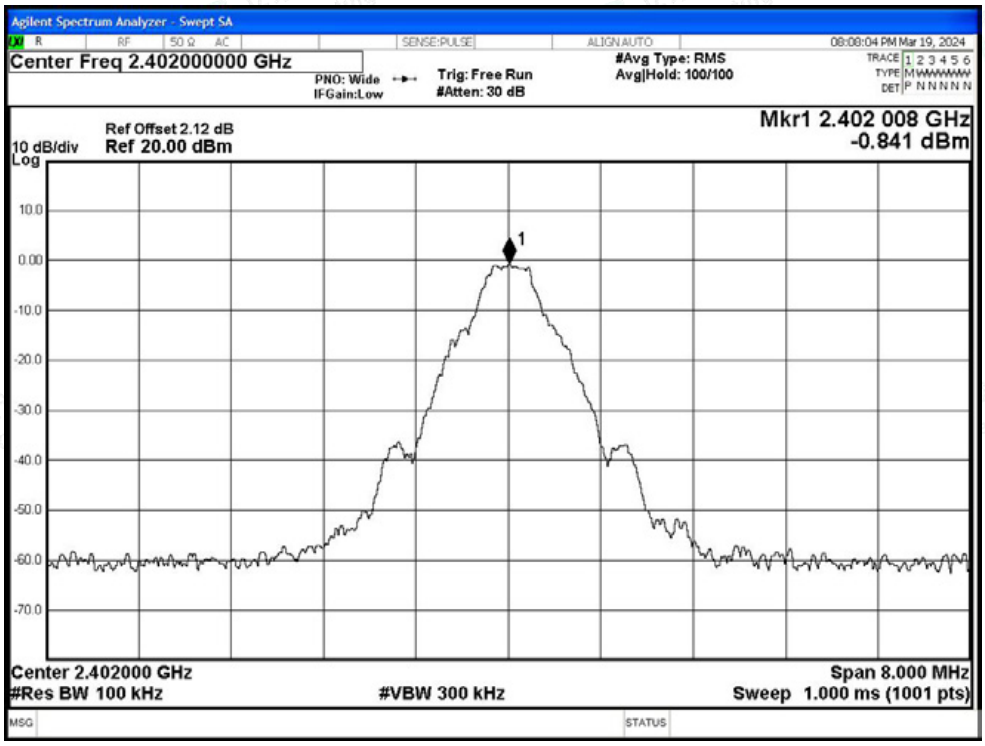


A.6 Band Edge

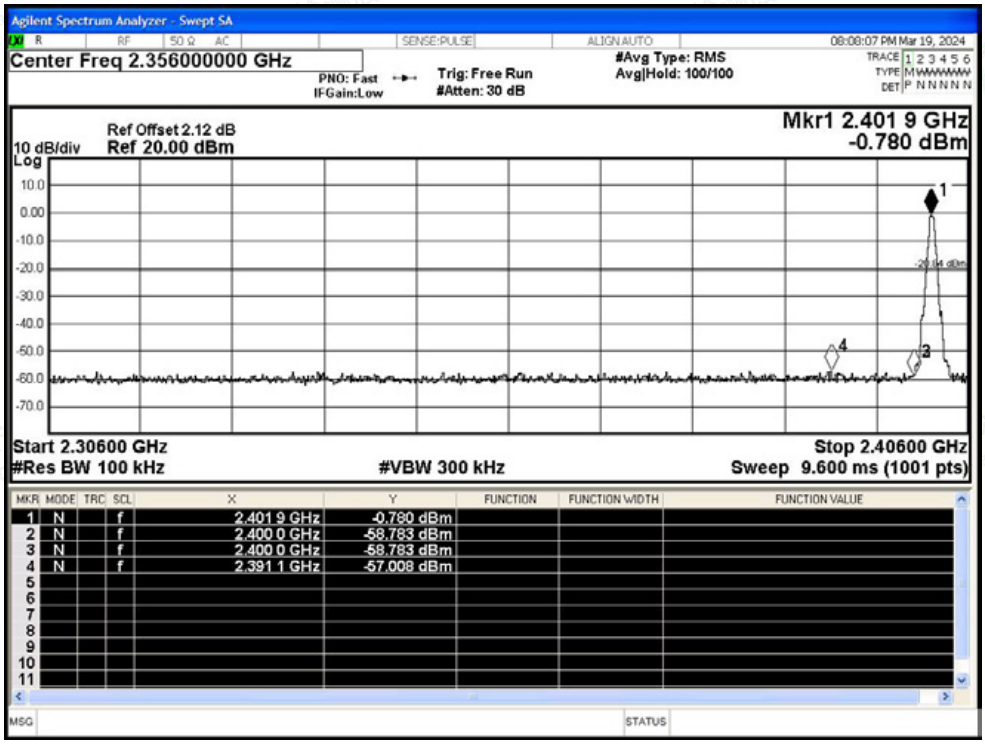
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant0	No-Hopping	-56.17	-20	Pass
NVNT	1-DH5	2480	Ant0	No-Hopping	-56.82	-20	Pass
NVNT	2-DH5	2402	Ant0	No-Hopping	-48.24	-20	Pass
NVNT	2-DH5	2480	Ant0	No-Hopping	-52.87	-20	Pass
NVNT	3-DH5	2402	Ant0	No-Hopping	-46.91	-20	Pass
NVNT	3-DH5	2480	Ant0	No-Hopping	-53.51	-20	Pass

Test Graphs

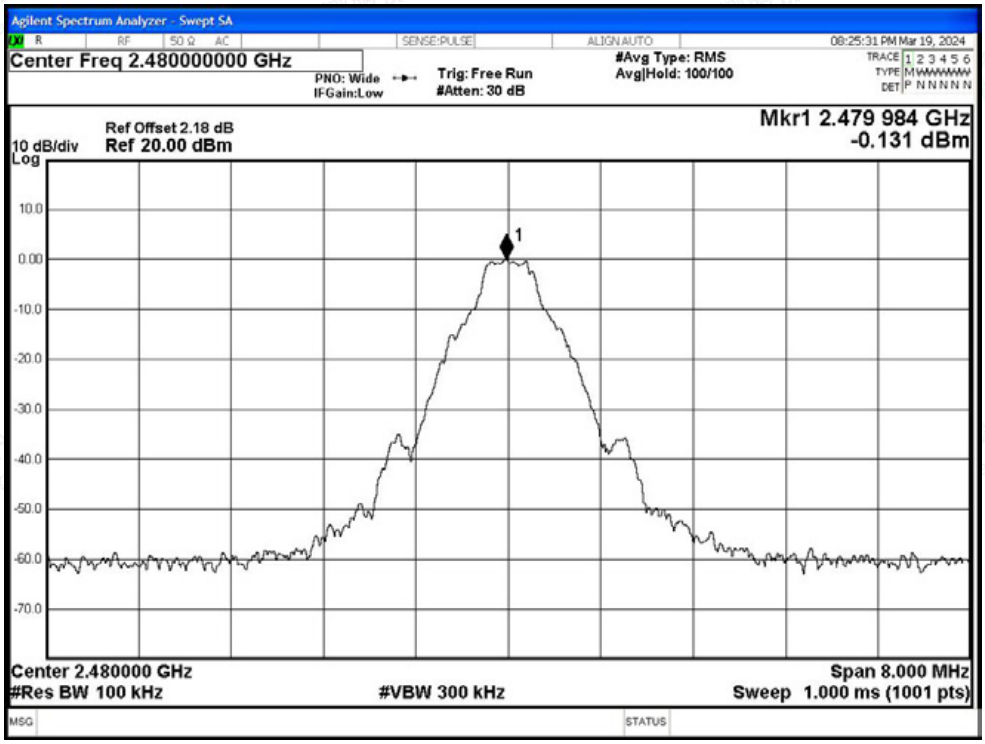
Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Ref



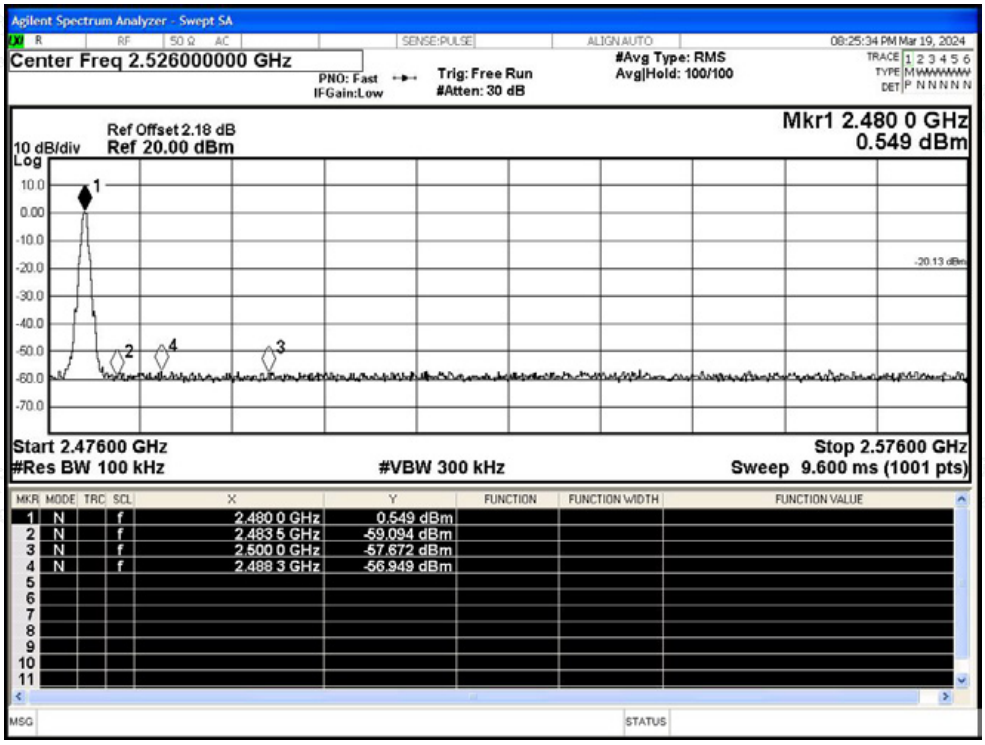
Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Emission



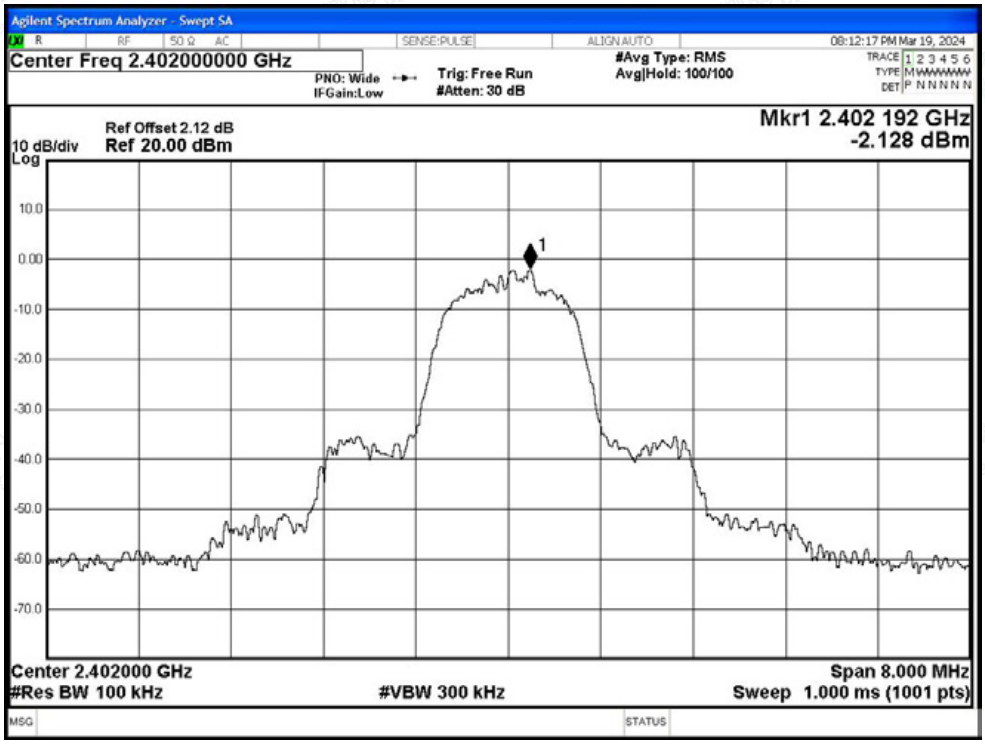
Band Edge NVNT 1-DH5 2480MHz Ant0 No-Hopping Ref



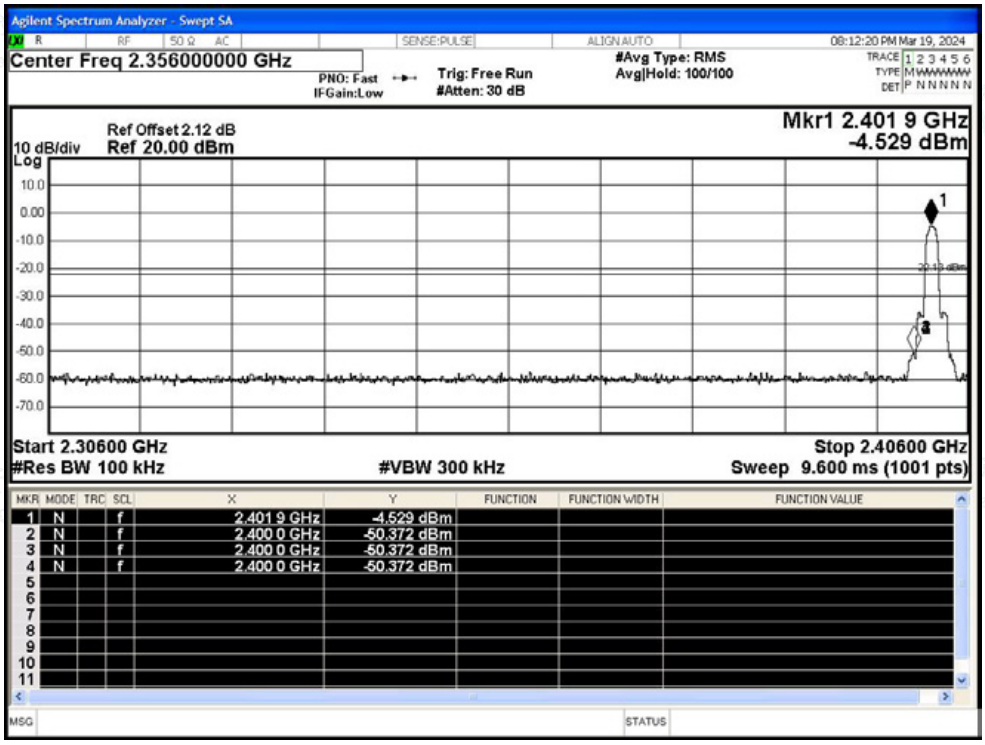
Band Edge NVNT 1-DH5 2480MHz Ant0 No-Hopping Emission



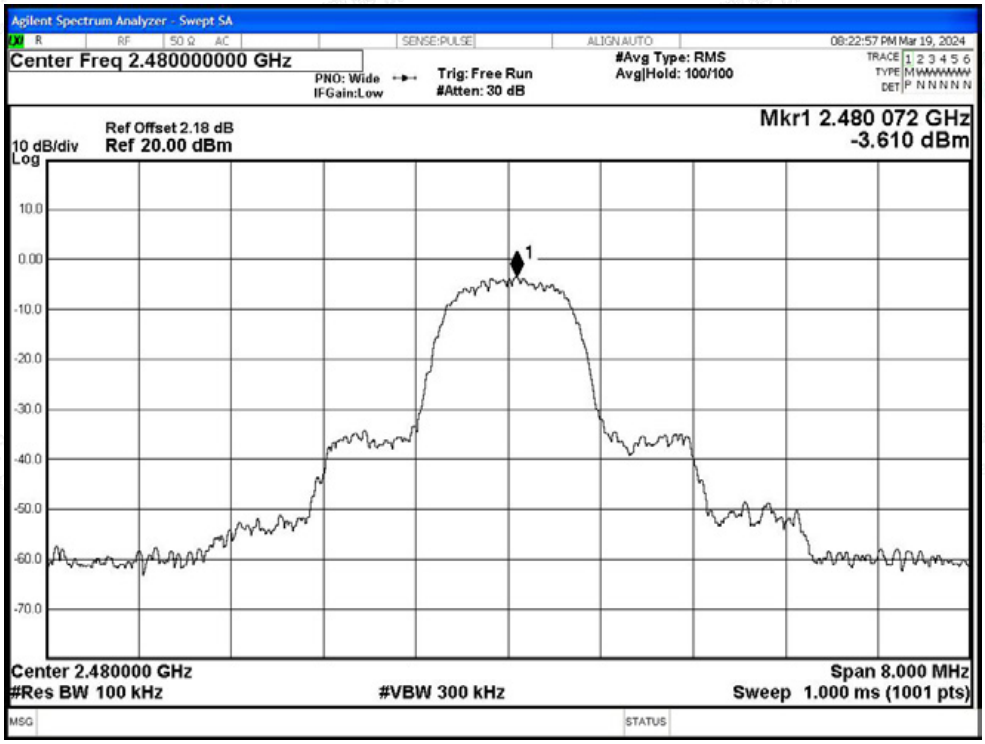
Band Edge NVNT 2-DH5 2402MHz Ant0 No-Hopping Ref



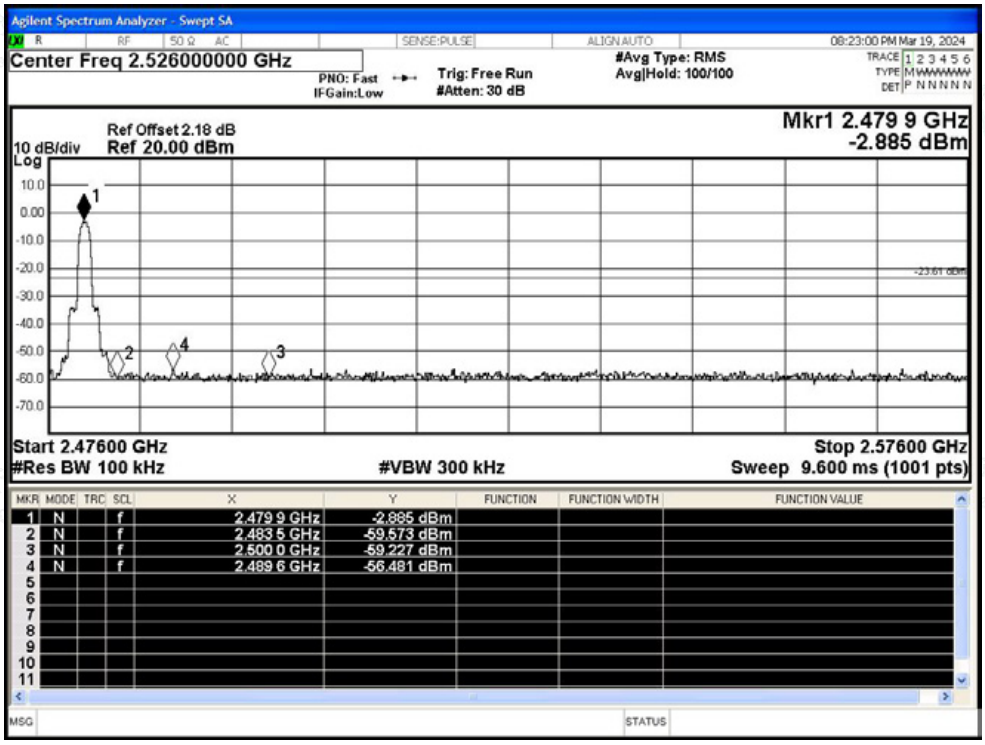
Band Edge NVNT 2-DH5 2402MHz Ant0 No-Hopping Emission



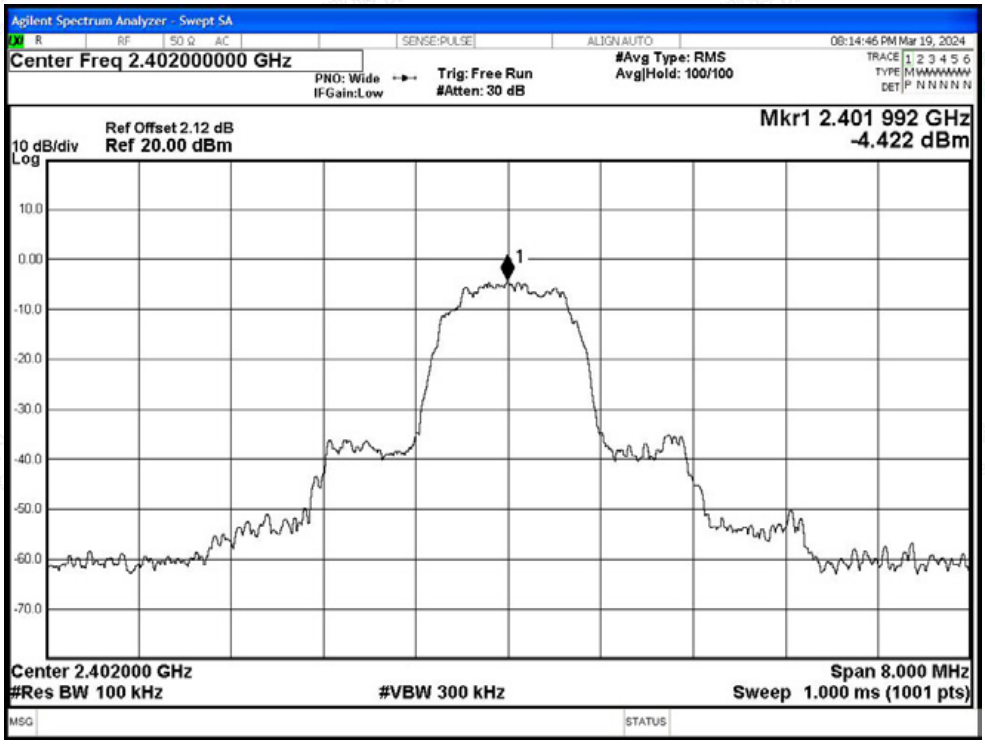
Band Edge NVNT 2-DH5 2480MHz Ant0 No-Hopping Ref



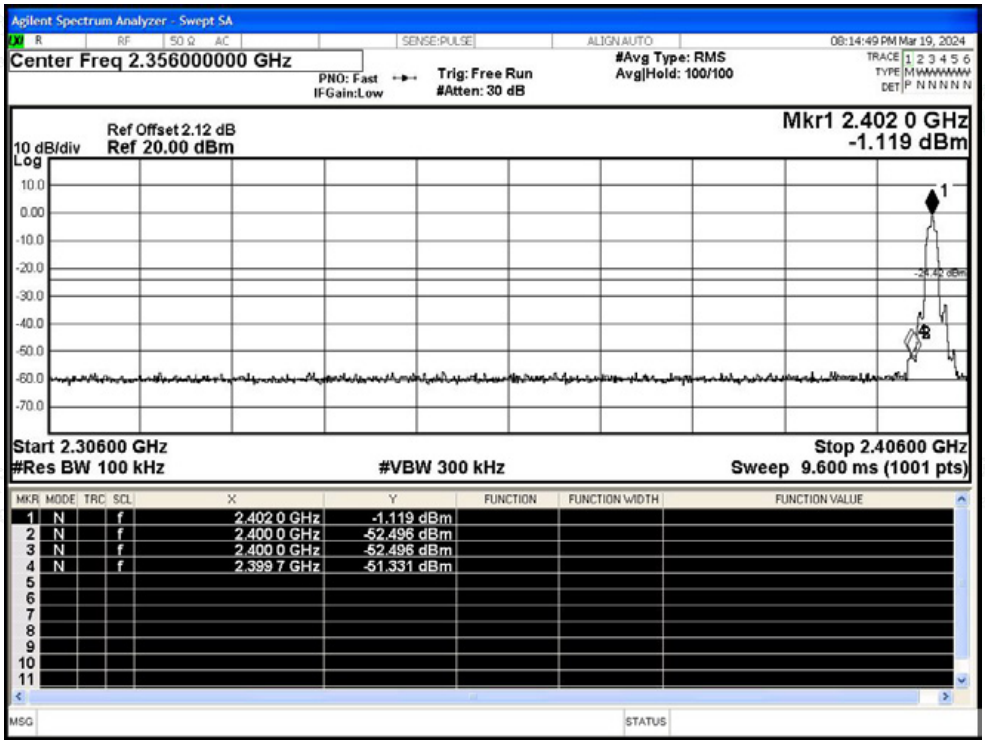
Band Edge NVNT 2-DH5 2480MHz Ant0 No-Hopping Emission



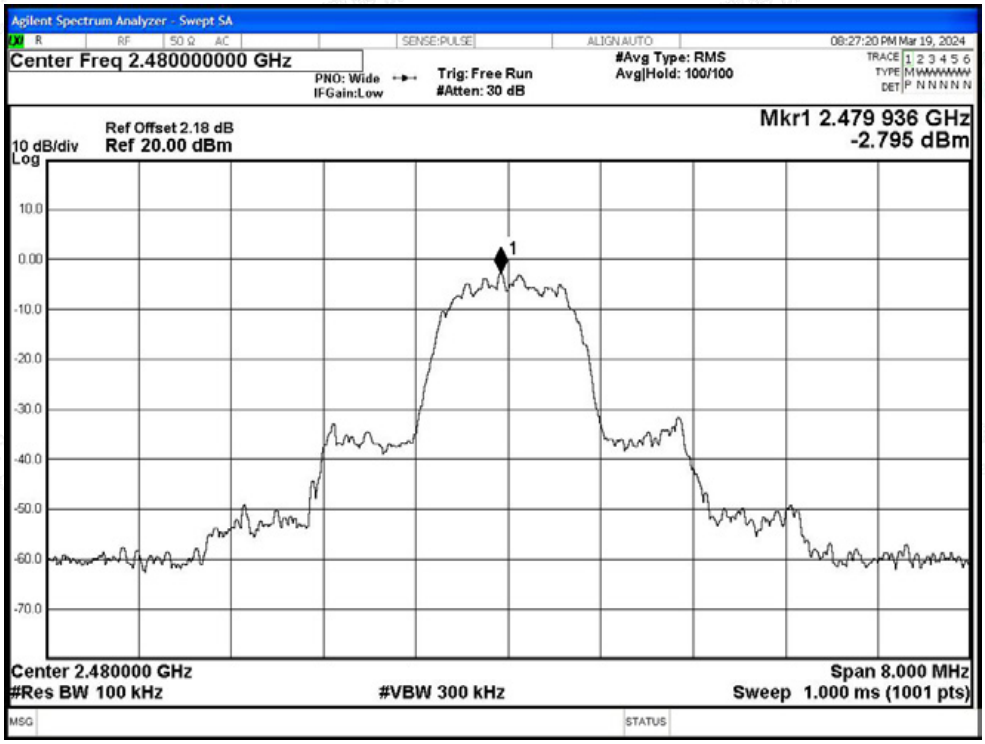
Band Edge NVNT 3-DH5 2402MHz Ant0 No-Hopping Ref



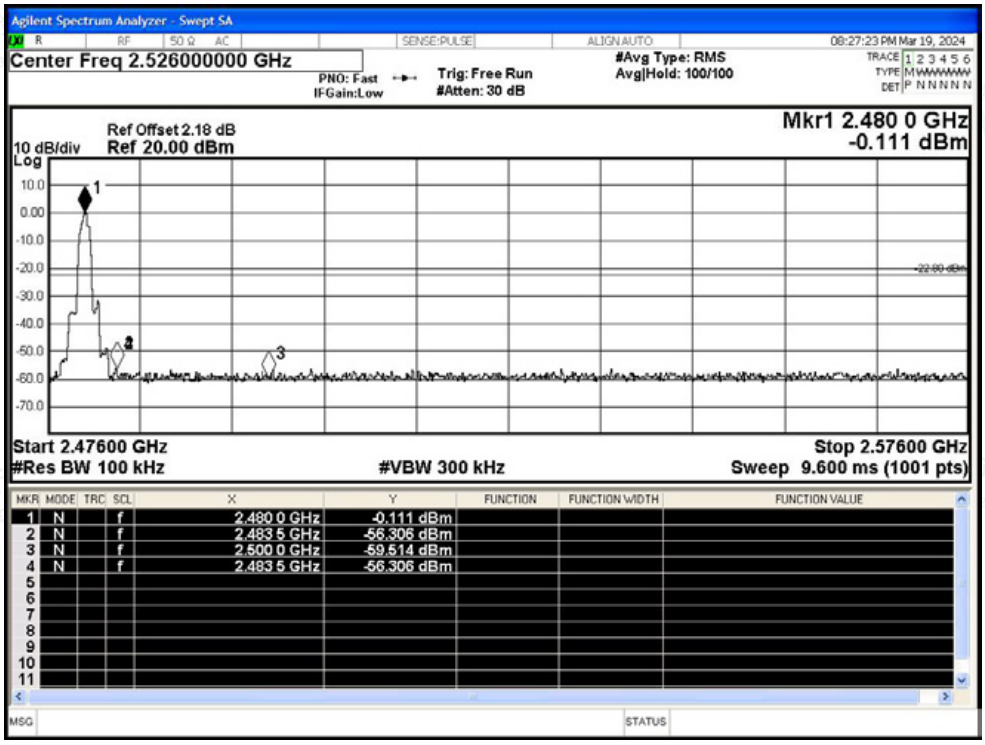
Band Edge NVNT 3-DH5 2402MHz Ant0 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant0 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant0 No-Hopping Emission



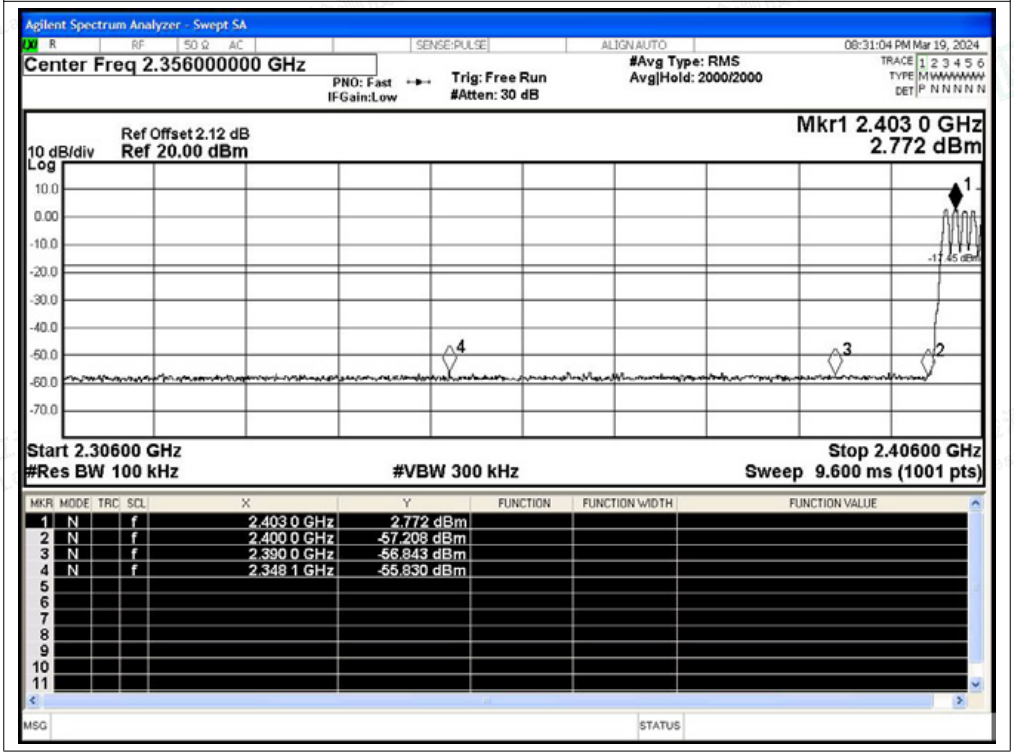
(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant0	Hopping	-58.38	-20	Pass
NVNT	1-DH5	2480	Ant0	Hopping	-56.49	-20	Pass
NVNT	2-DH5	2402	Ant0	Hopping	-56.22	-20	Pass
NVNT	2-DH5	2480	Ant0	Hopping	-55.35	-20	Pass
NVNT	3-DH5	2402	Ant0	Hopping	-57.61	-20	Pass
NVNT	3-DH5	2480	Ant0	Hopping	-54.87	-20	Pass

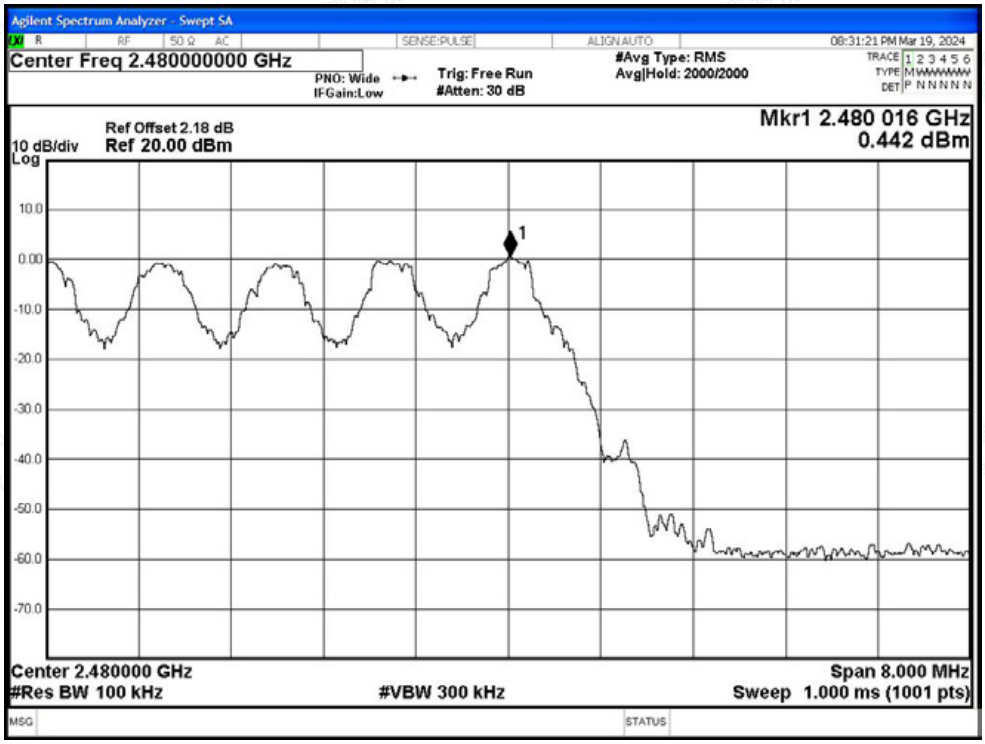
Test Graphs

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant0 Hopping Ref

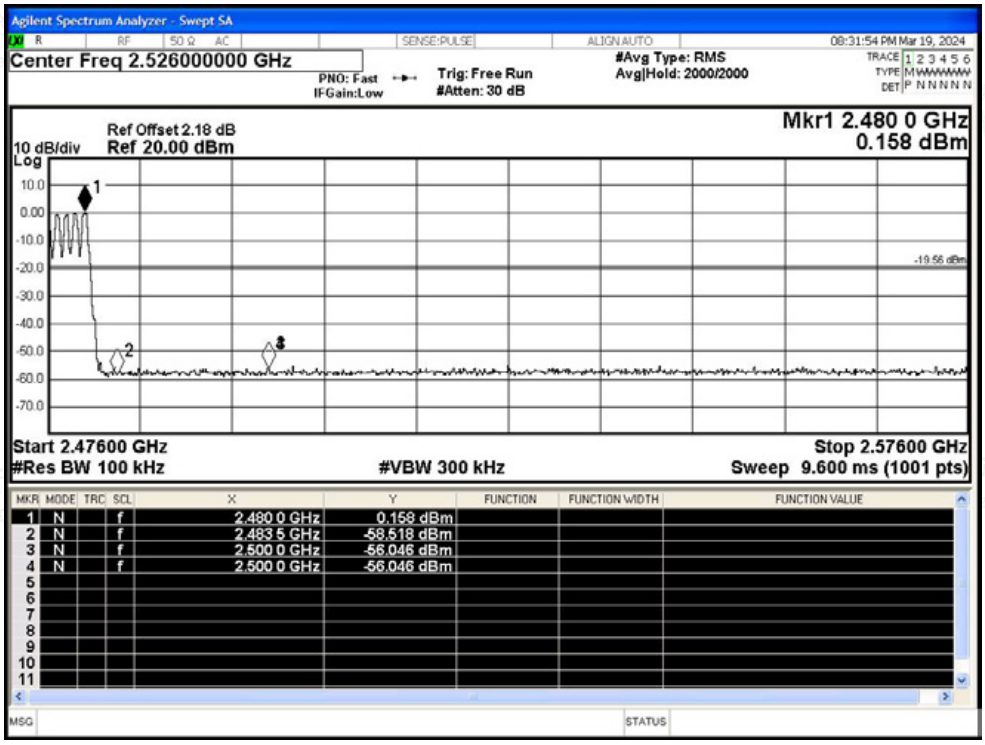
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant0 Hopping Emission



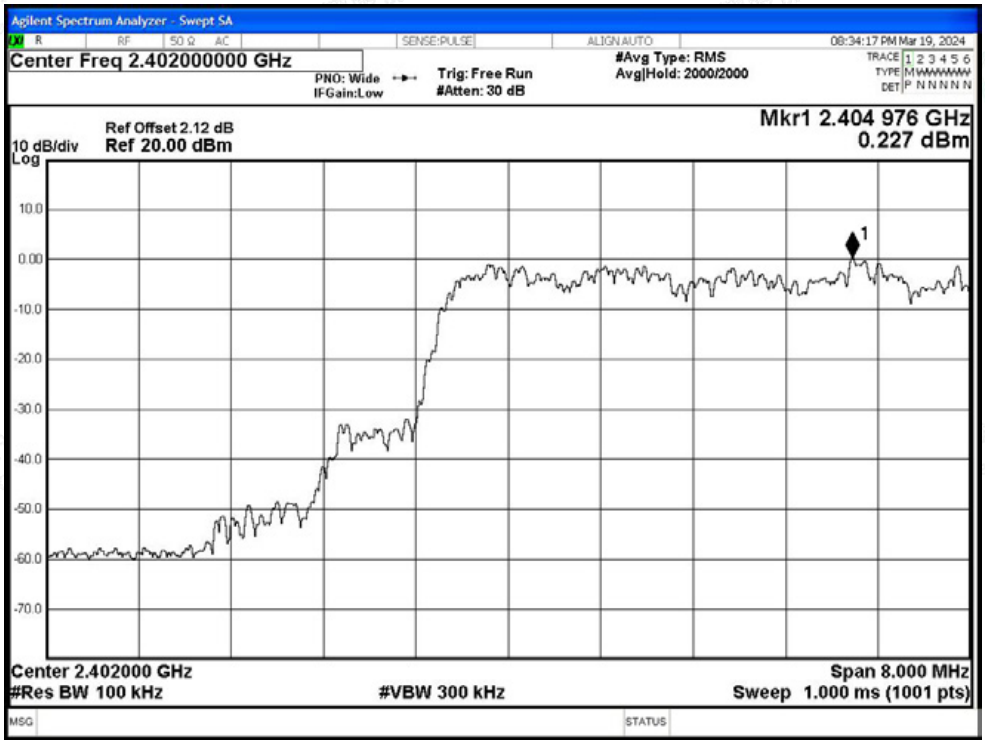
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant0 Hopping Ref



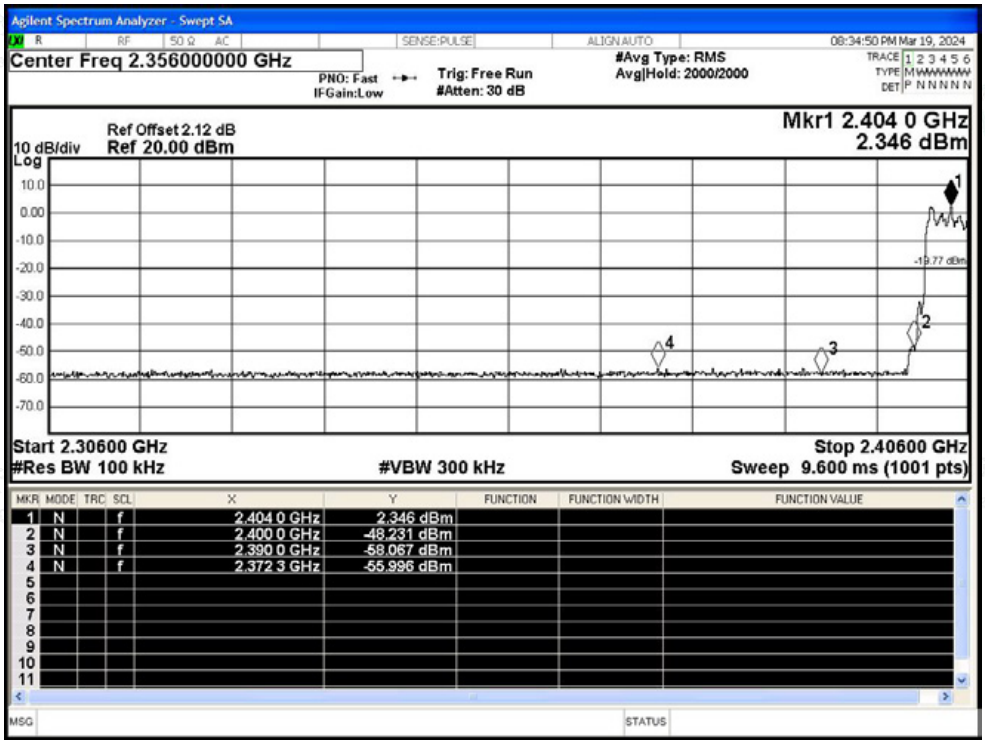
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant0 Hopping Emission



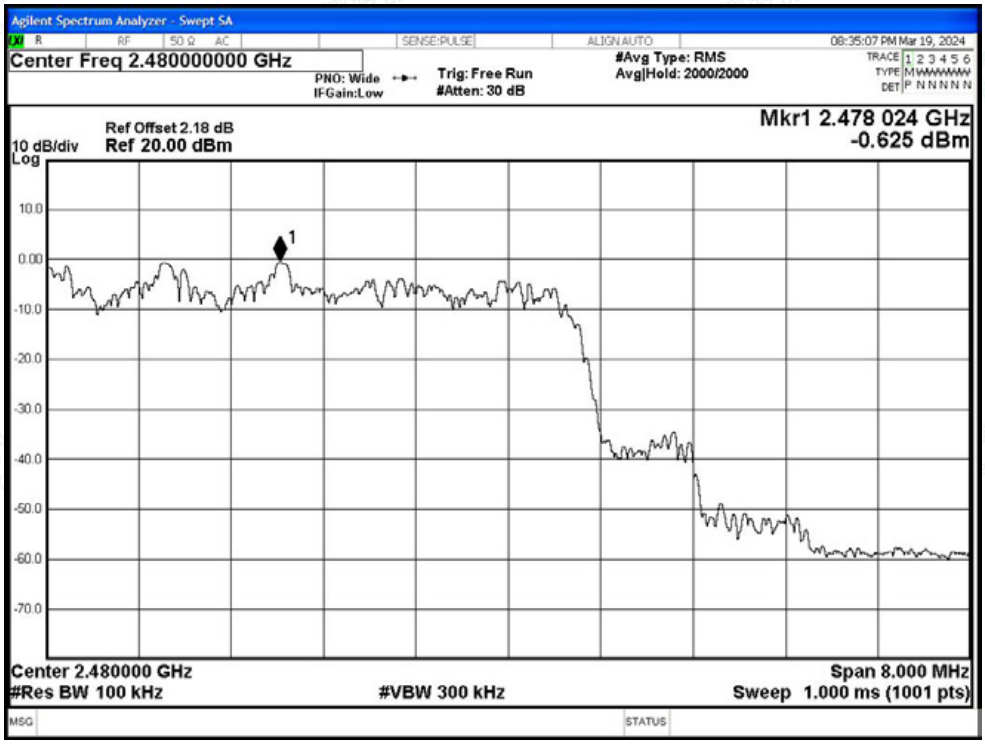
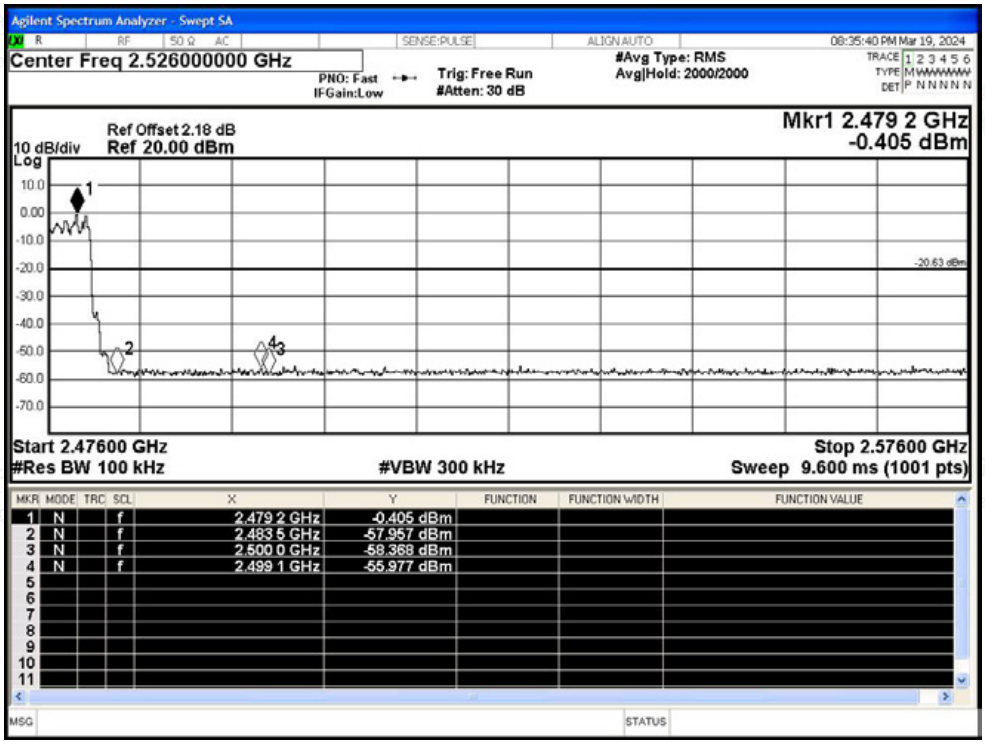
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant0 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant0 Hopping Emission



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant0 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant0 Hopping Emission