Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: LCD PROJECTOR

Test Model: L011

Environmental Conditions

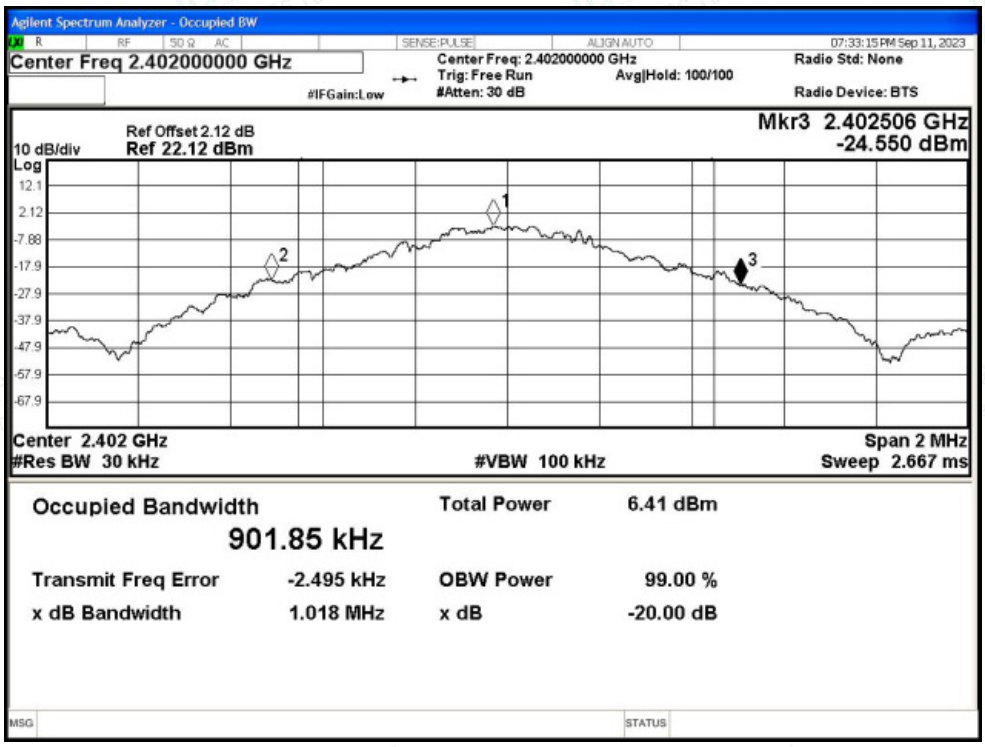
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
	Nick Peng
Supervised by:	Ling Zhu
	Ling.Zhu

A.1 -20dB Bandwidth

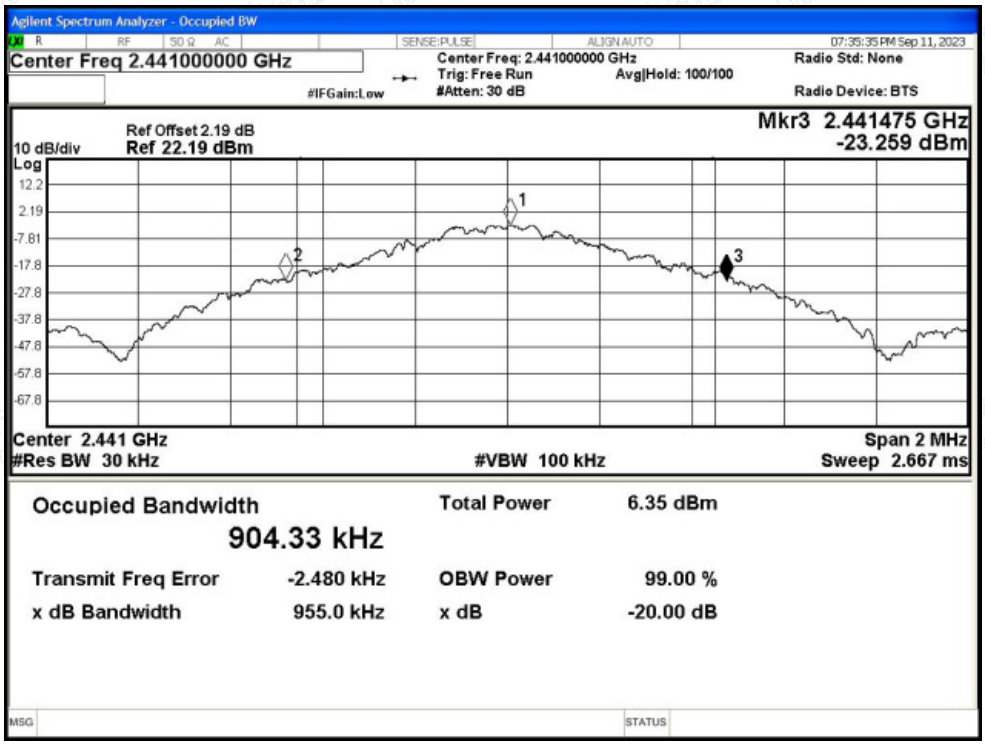
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant0	1.018	N/A	Pass
NVNT	1-DH5	2441	Ant0	0.955	N/A	Pass
NVNT	1-DH5	2480	Ant0	1.024	N/A	Pass
NVNT	2-DH5	2402	Ant0	1.307	N/A	Pass
NVNT	2-DH5	2441	Ant0	1.285	N/A	Pass
NVNT	2-DH5	2480	Ant0	1.288	N/A	Pass
NVNT	3-DH5	2402	Ant0	1.299	N/A	Pass
NVNT	3-DH5	2441	Ant0	1.277	N/A	Pass
NVNT	3-DH5	2480	Ant0	1.289	N/A	Pass

Test Graphs

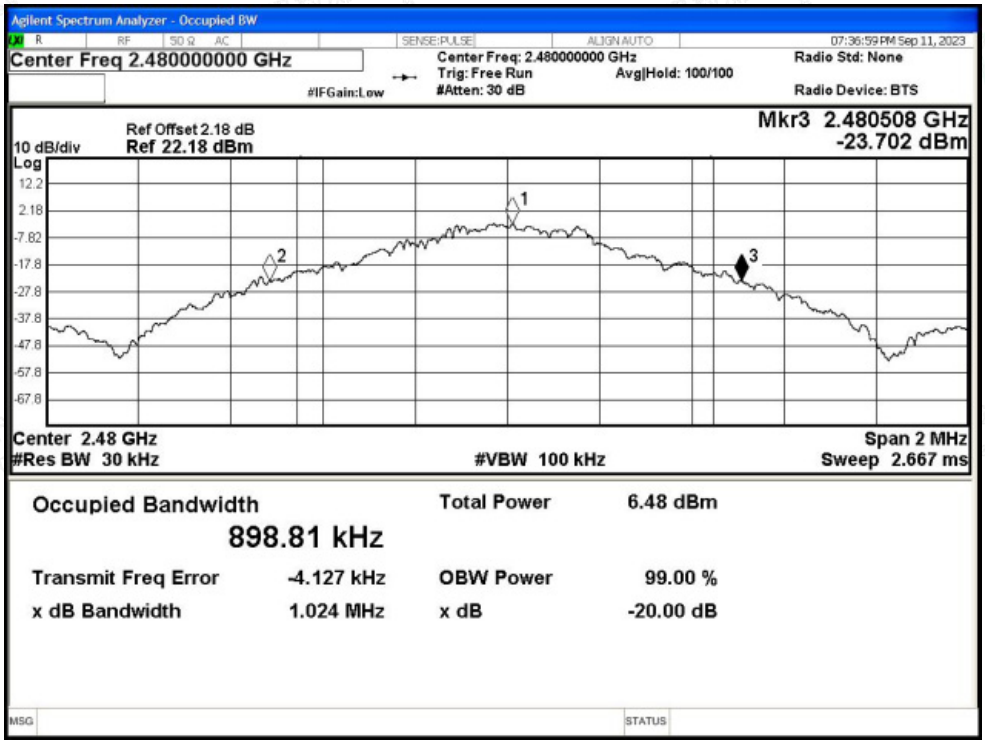
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant0



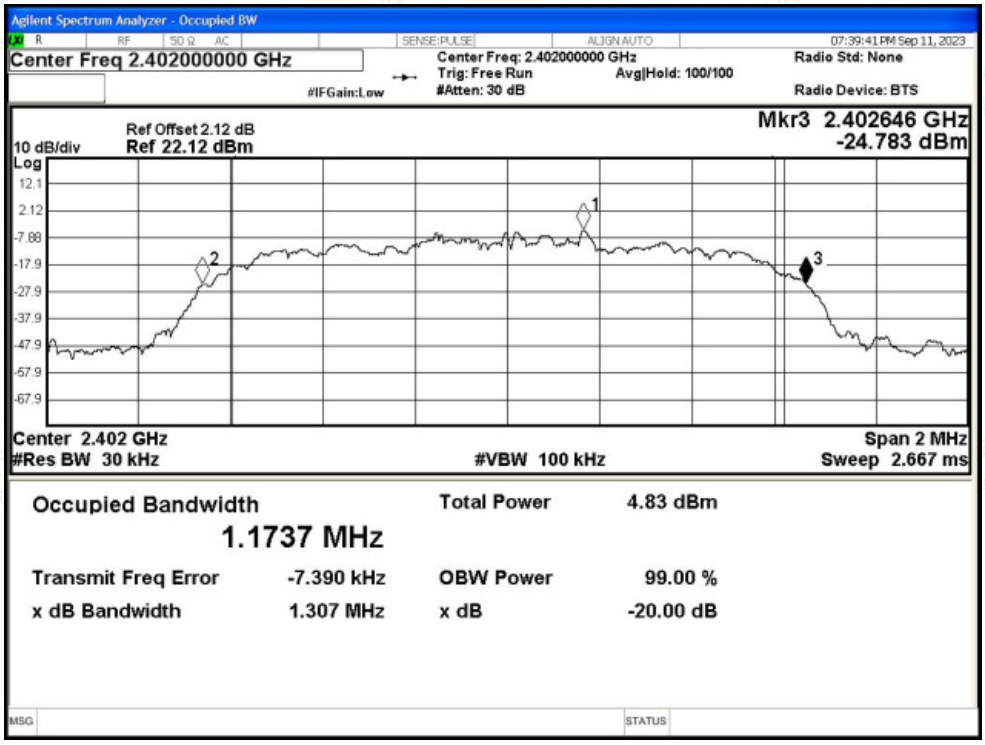
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant0



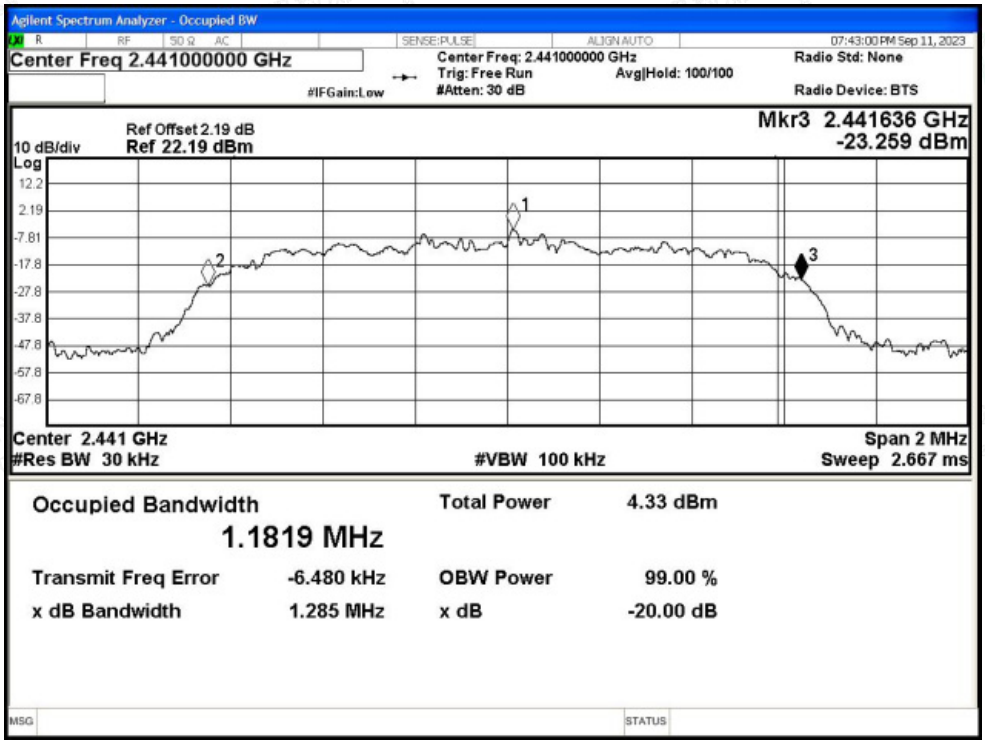
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant0



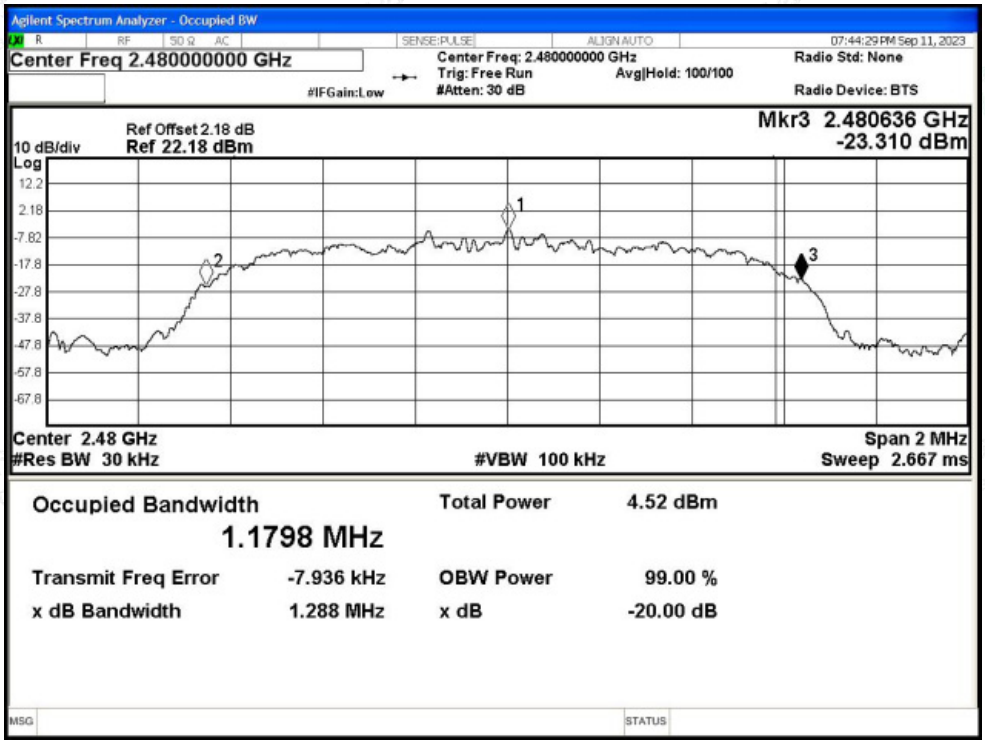
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant0



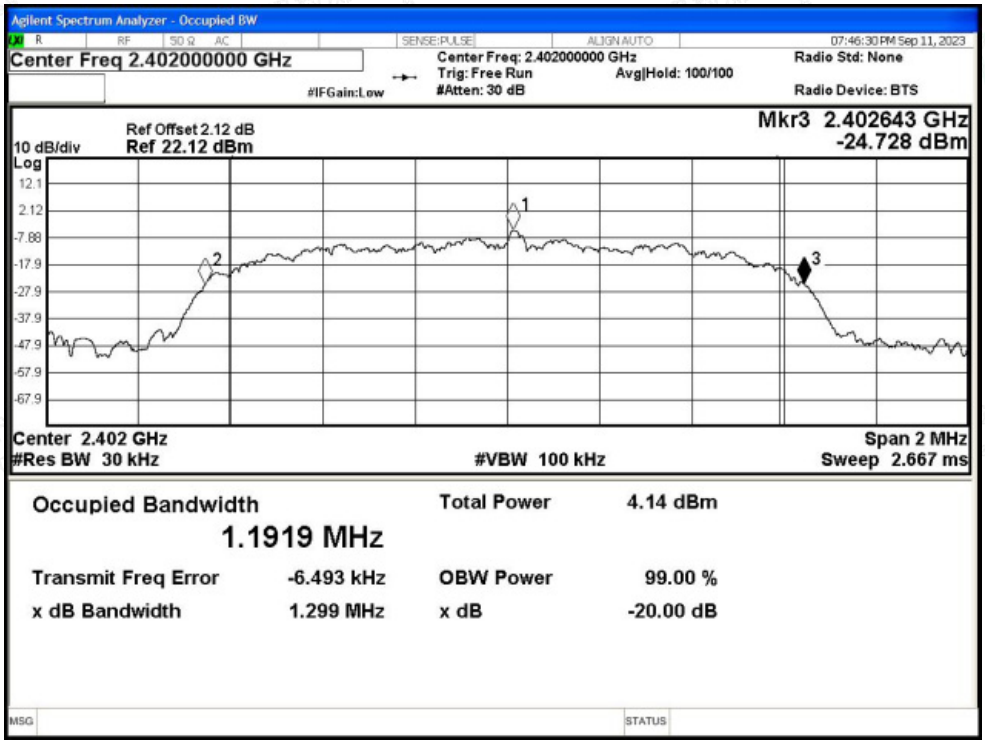
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant0



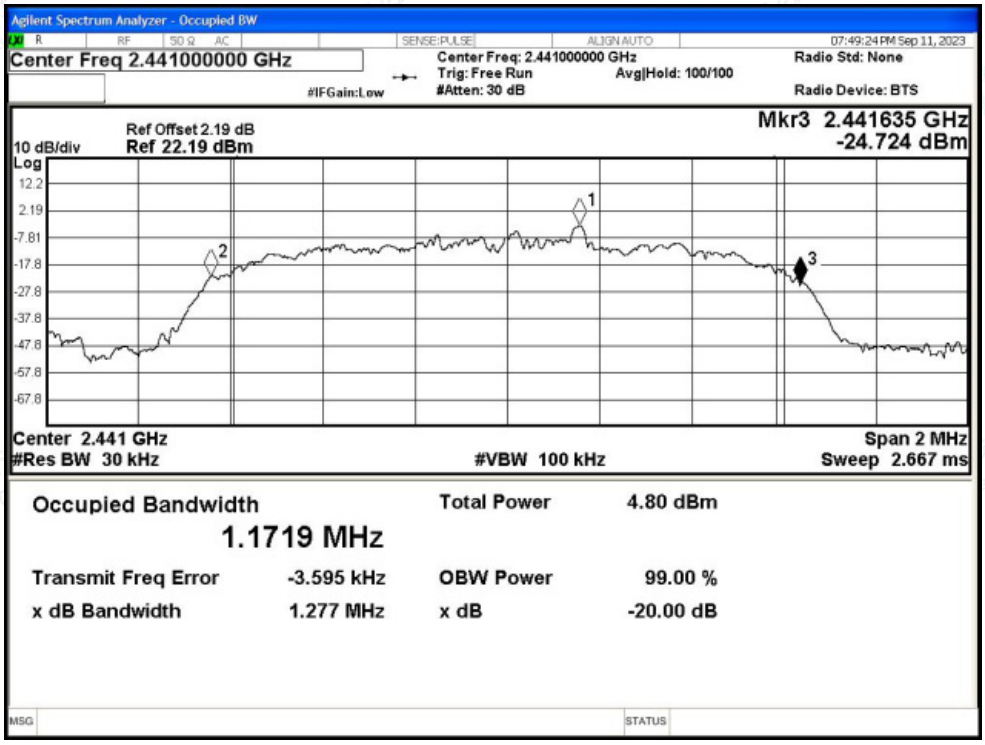
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant0



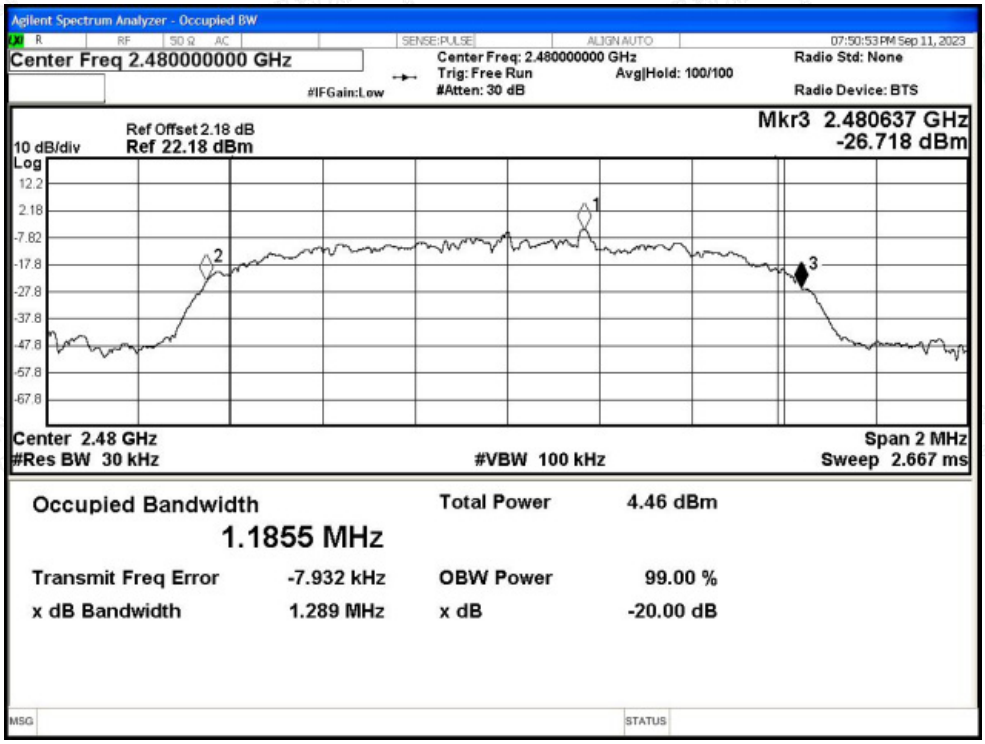
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant0



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant0



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant0

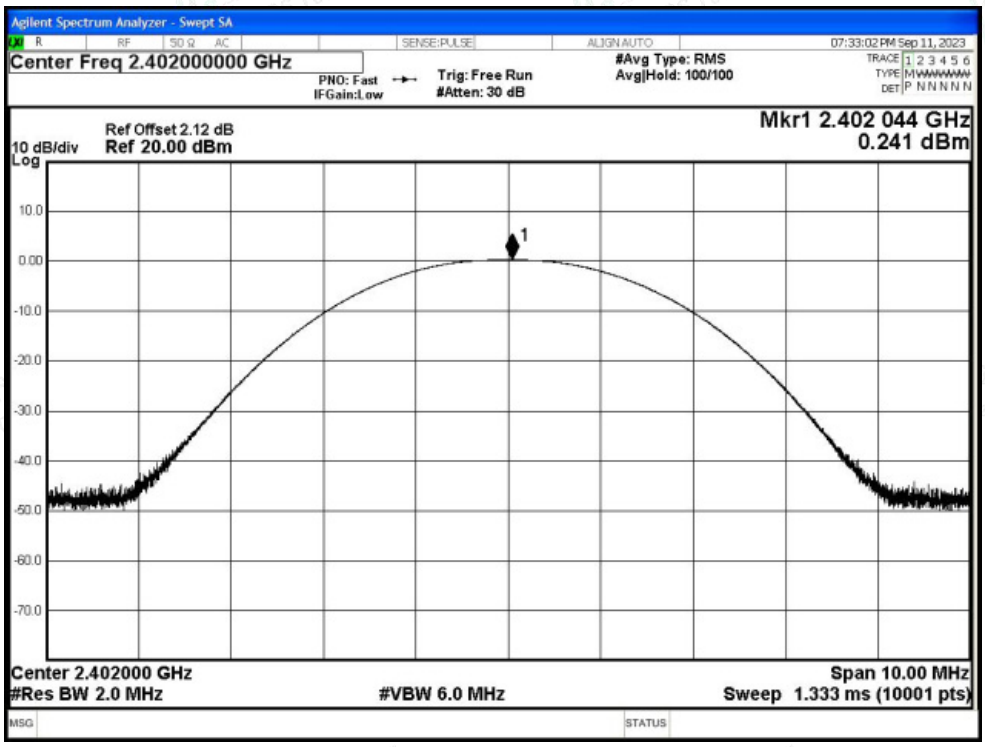


A.2 Maximum Conducted Output Power

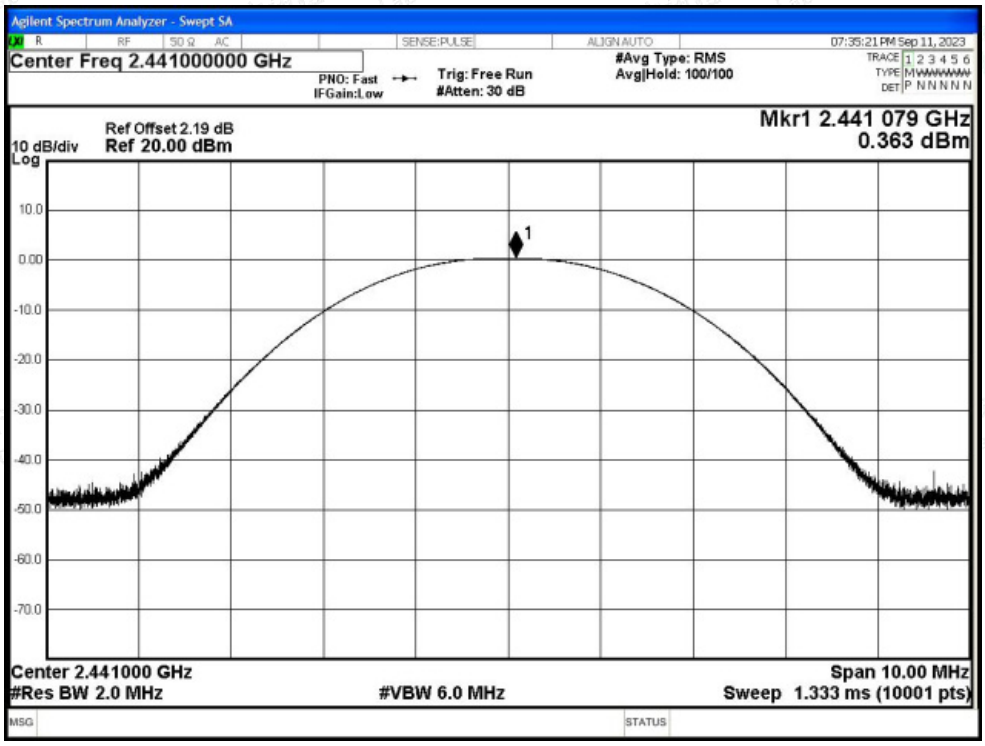
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant0	0.24	21	Pass
NVNT	1-DH5	2441	Ant0	0.36	21	Pass
NVNT	1-DH5	2480	Ant0	0.37	21	Pass
NVNT	2-DH5	2402	Ant0	-0.05	21	Pass
NVNT	2-DH5	2441	Ant0	0.13	21	Pass
NVNT	2-DH5	2480	Ant0	0.38	21	Pass
NVNT	3-DH5	2402	Ant0	0.05	21	Pass
NVNT	3-DH5	2441	Ant0	0.25	21	Pass
NVNT	3-DH5	2480	Ant0	0.25	21	Pass

Test Graphs

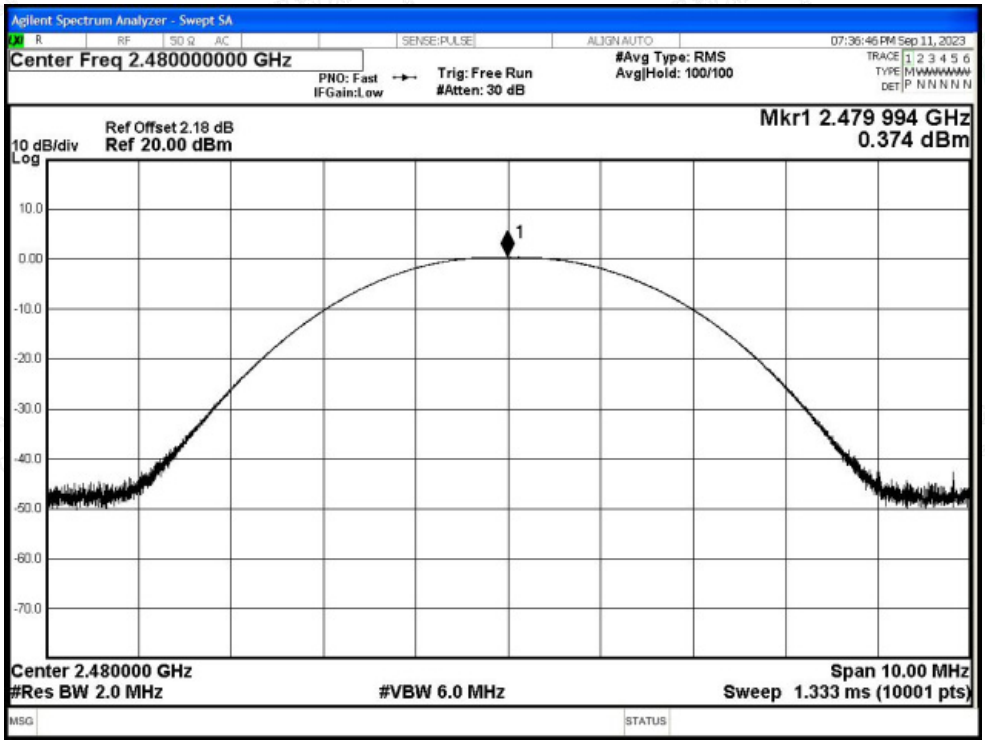
Power NVNT 1-DH5 2402MHz Ant0



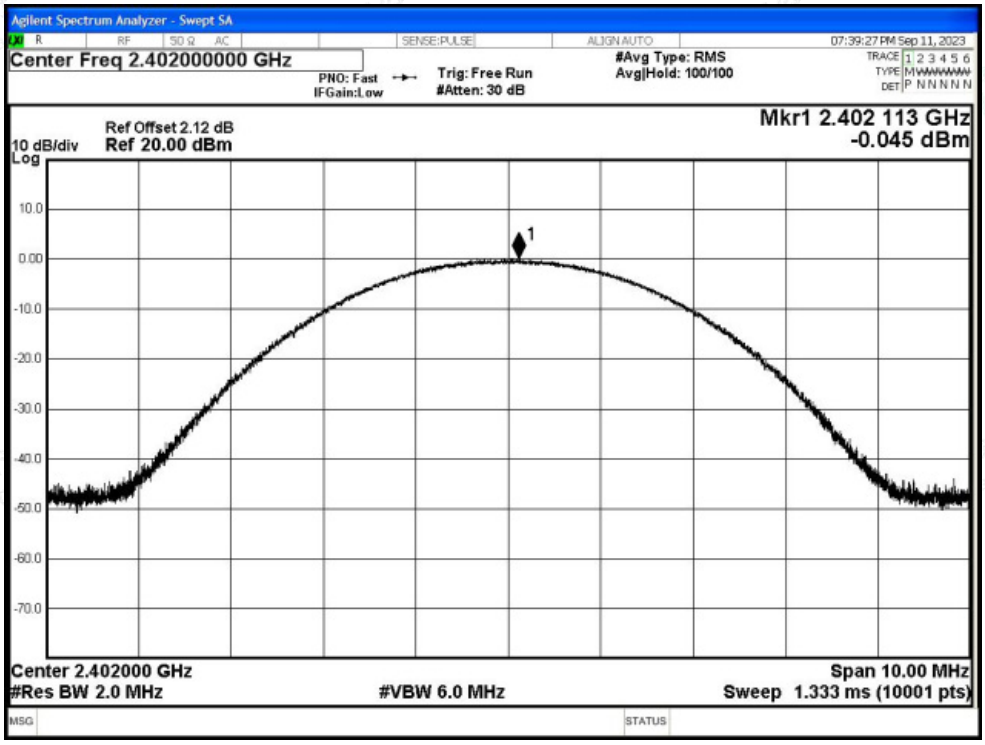
Power NVNT 1-DH5 2441MHz Ant0



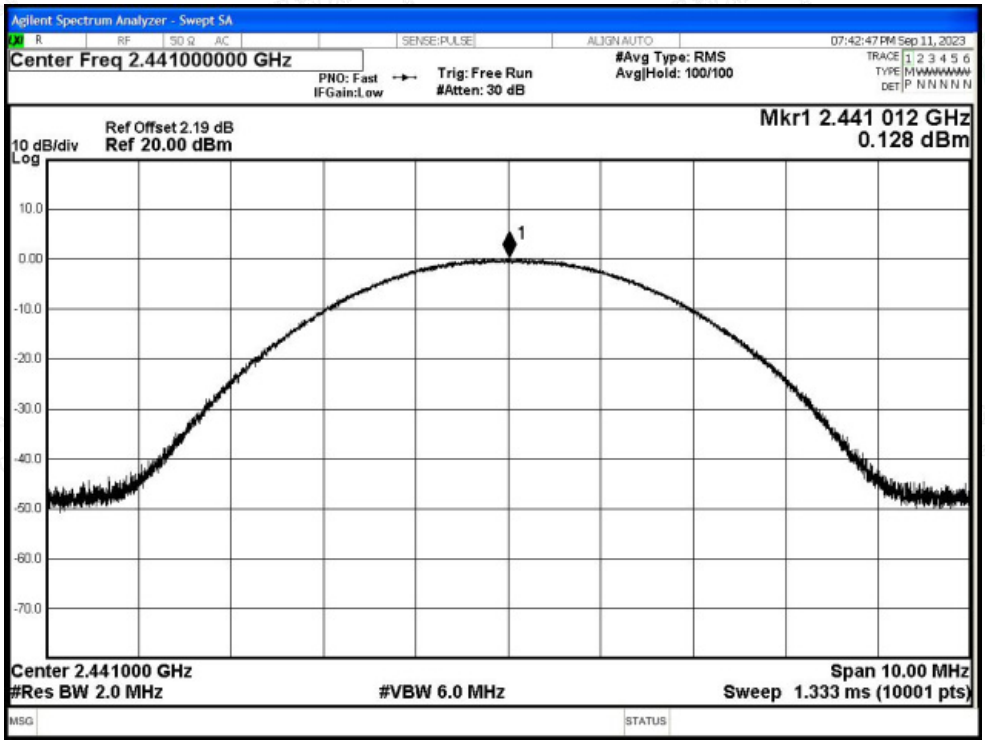
Power NVNT 1-DH5 2480MHz Ant0



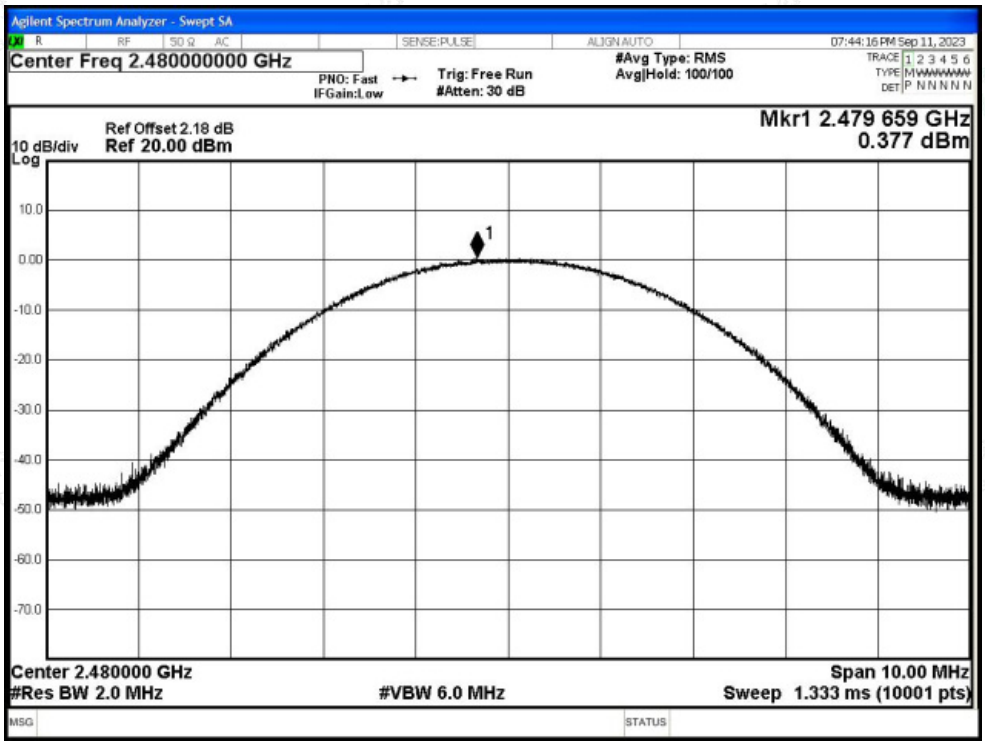
Power NVNT 2-DH5 2402MHz Ant0



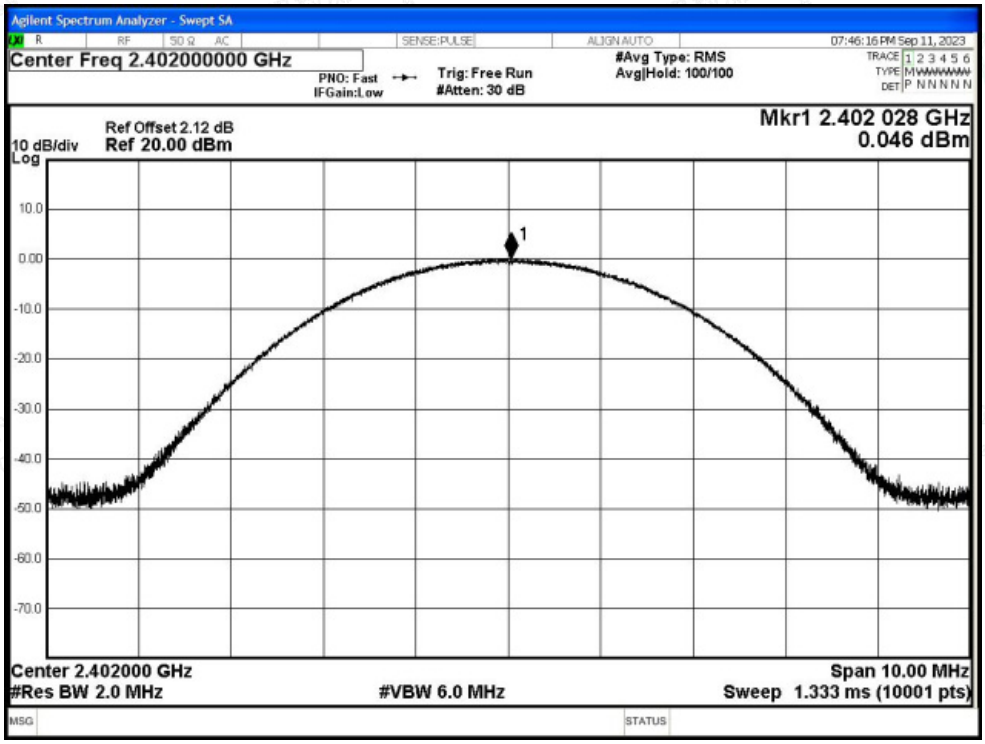
Power NVNT 2-DH5 2441MHz Ant0



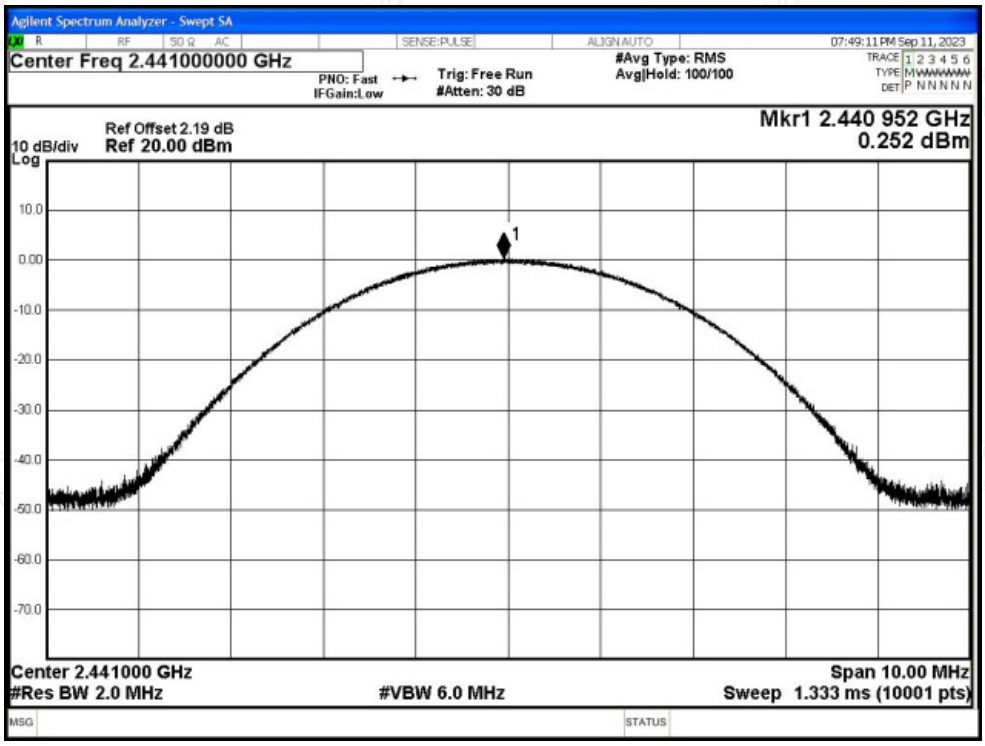
Power NVNT 2-DH5 2480MHz Ant0



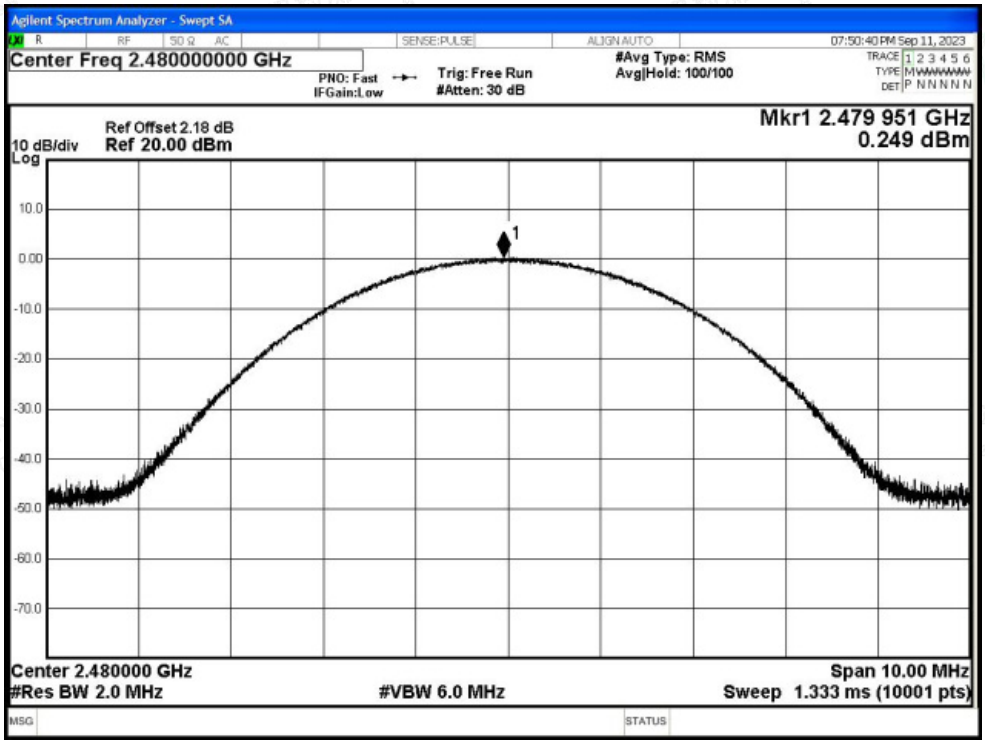
Power NVNT 3-DH5 2402MHz Ant0



Power NVNT 3-DH5 2441MHz Ant0



Power NVNT 3-DH5 2480MHz Ant0

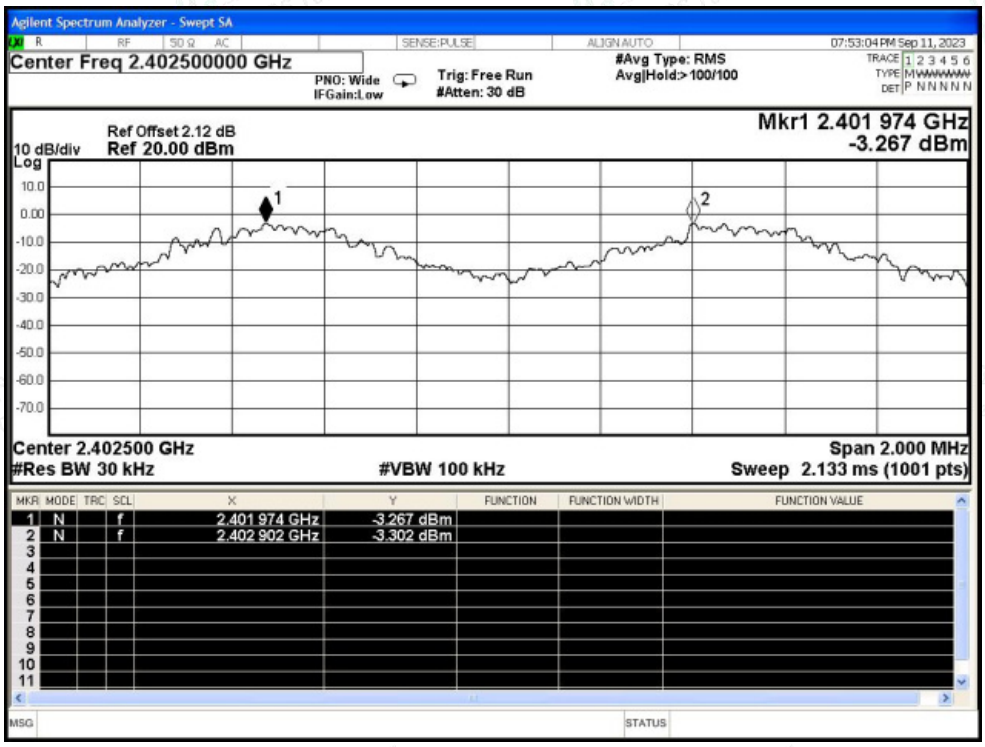


A.3 Carrier Frequencies Separation

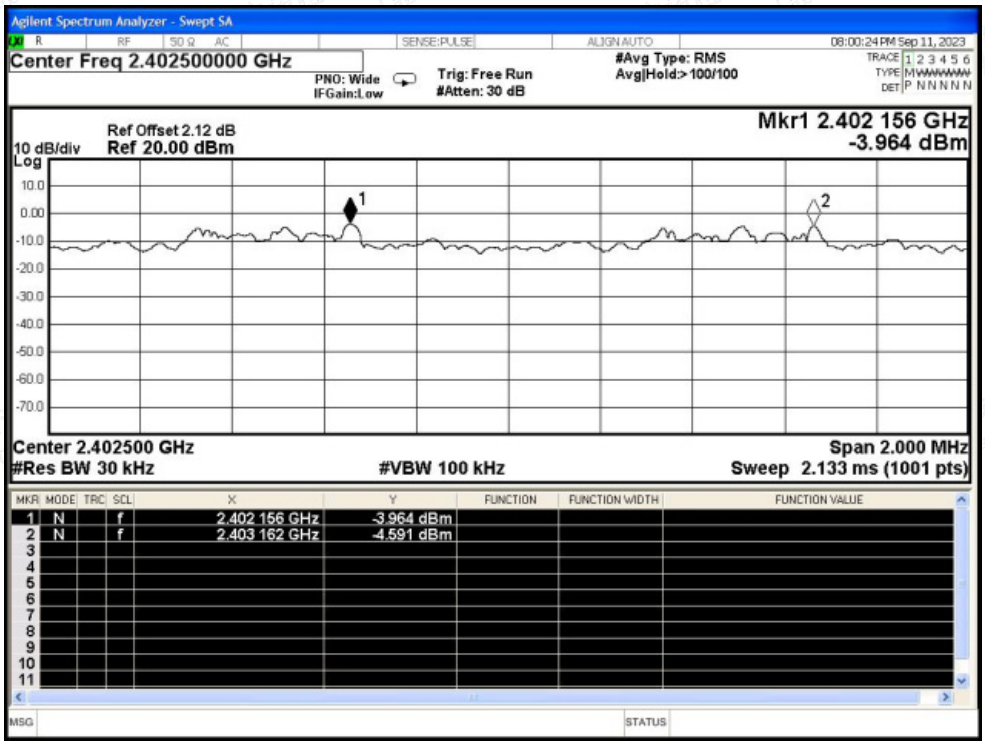
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant0	2401.974	2402.902	0.928	0.683	Pass
NVNT	2-DH5	Ant0	2402.156	2403.162	1.006	0.871	Pass
NVNT	3-DH5	Ant0	2402.152	2403.158	1.006	0.866	Pass

Test Graphs

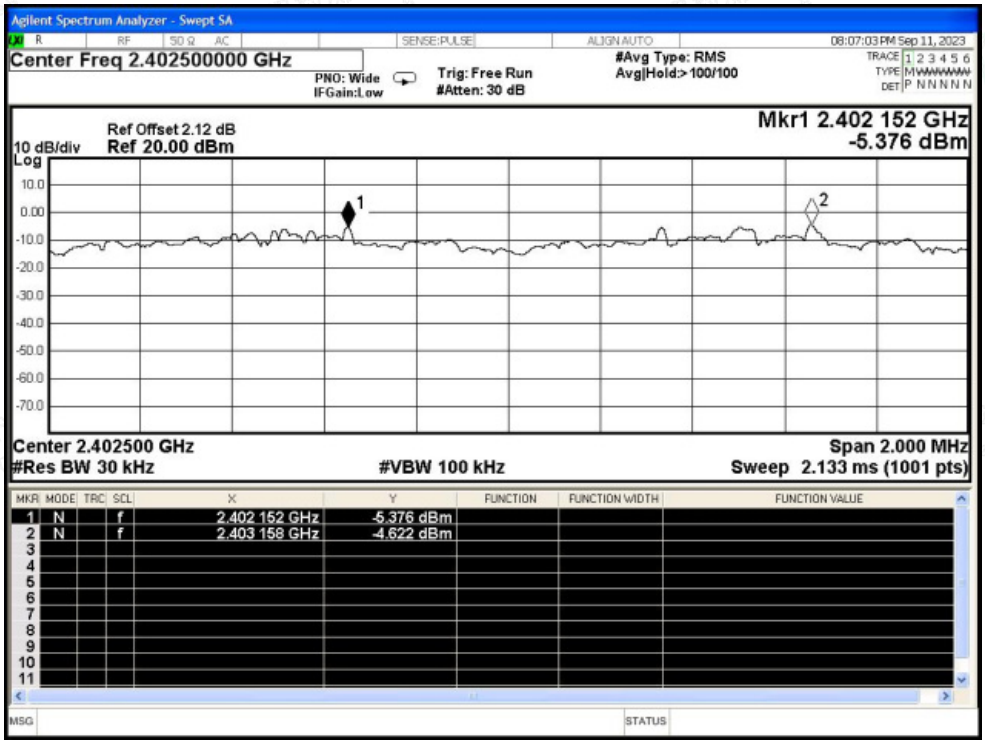
CFS NVNT 1-DH5 2402MHz Ant0



CFS NVNT 2-DH5 2402MHz Ant0



CFS NVNT 3-DH5 2402MHz Ant0

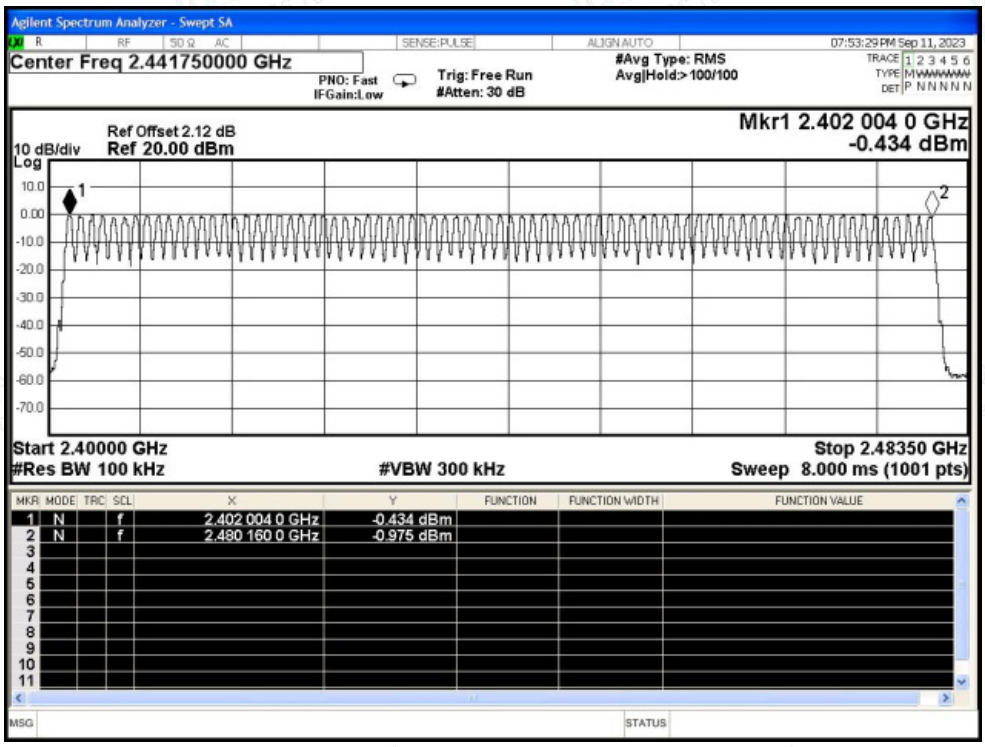


A.5 Number of Hopping Channel

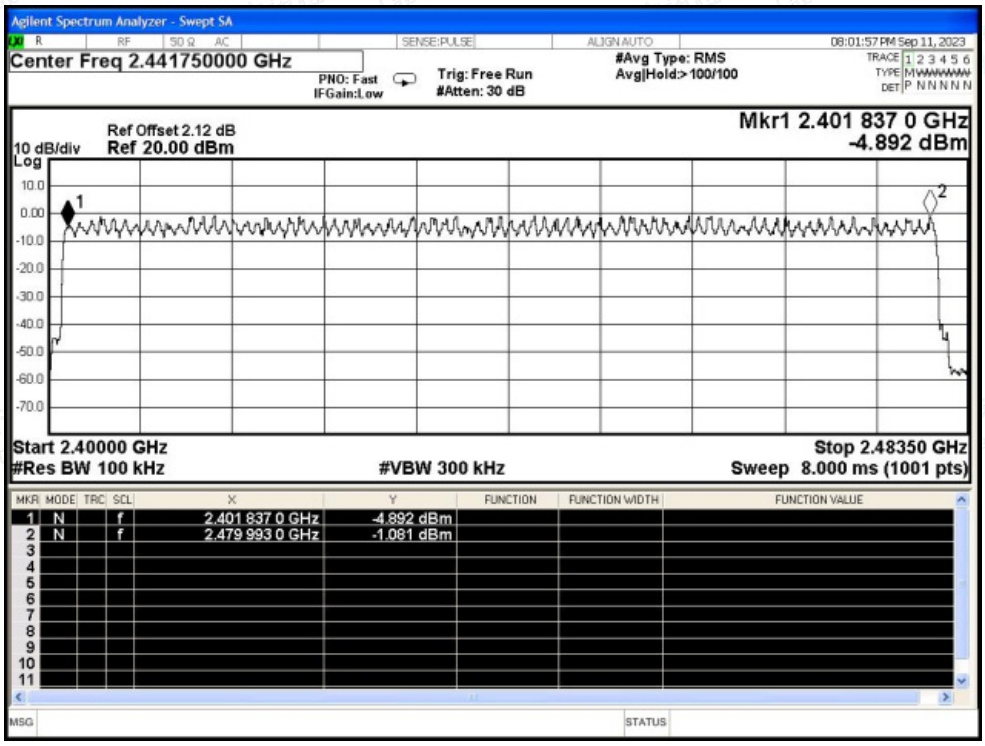
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant0	79	15	Pass
NVNT	2-DH5	Ant0	79	15	Pass
NVNT	3-DH5	Ant0	79	15	Pass

Test Graphs

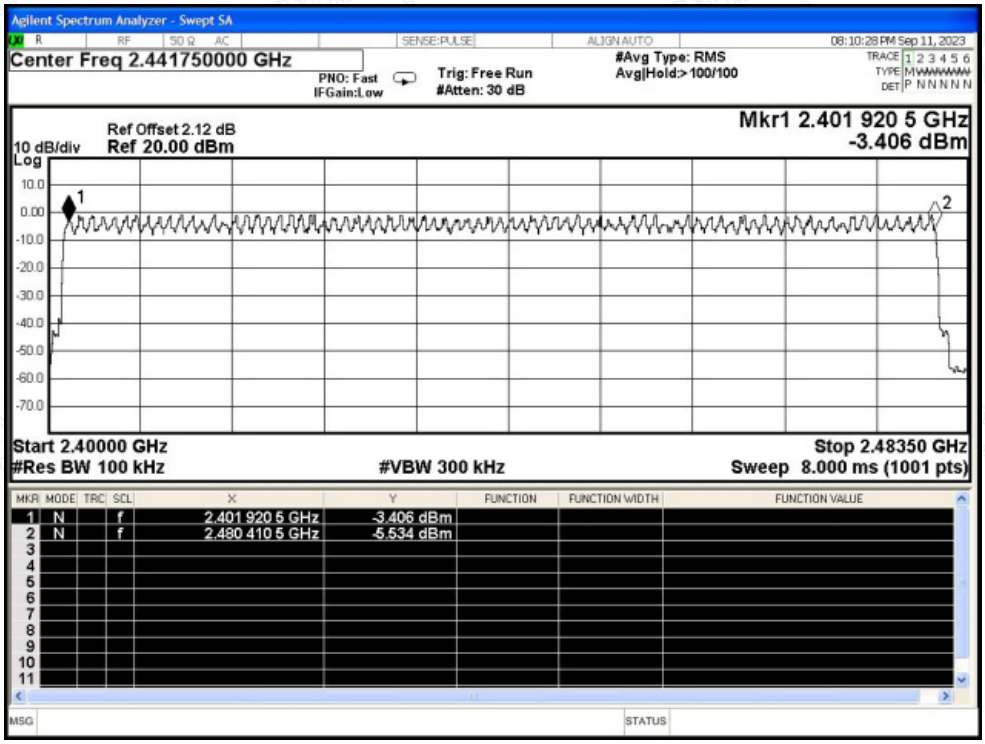
Hopping No. NVNT 1-DH5 2402MHz Ant0



Hopping No. NVNT 2-DH5 2402MHz Ant0



Hopping No. NVNT 3-DH5 2402MHz Ant0

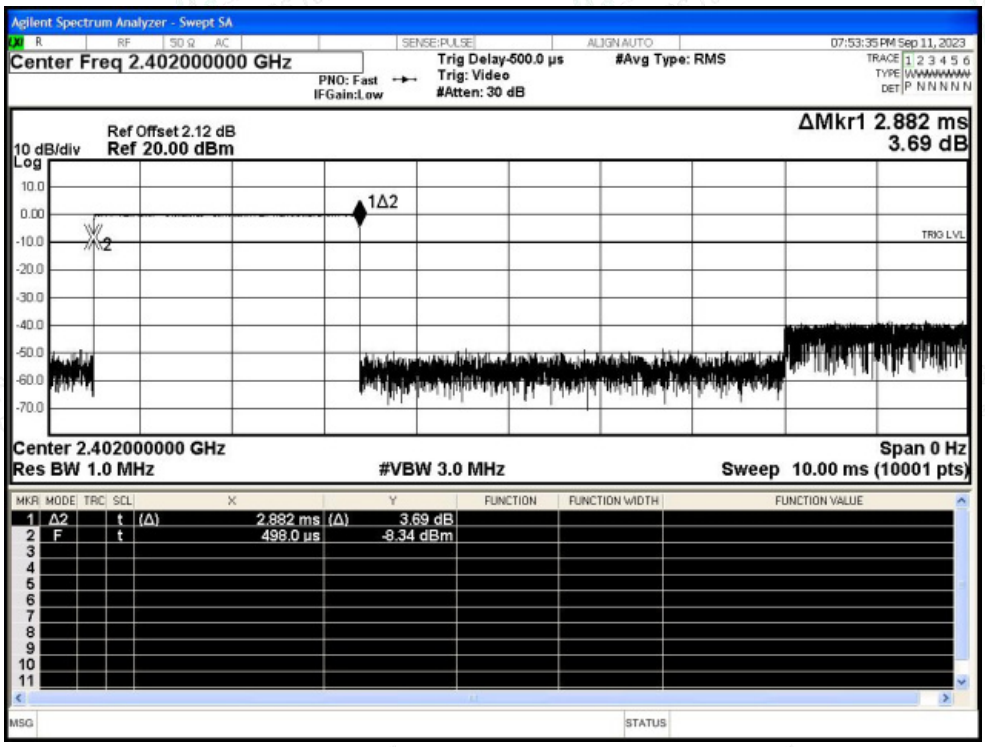


A.4 Dwell Time

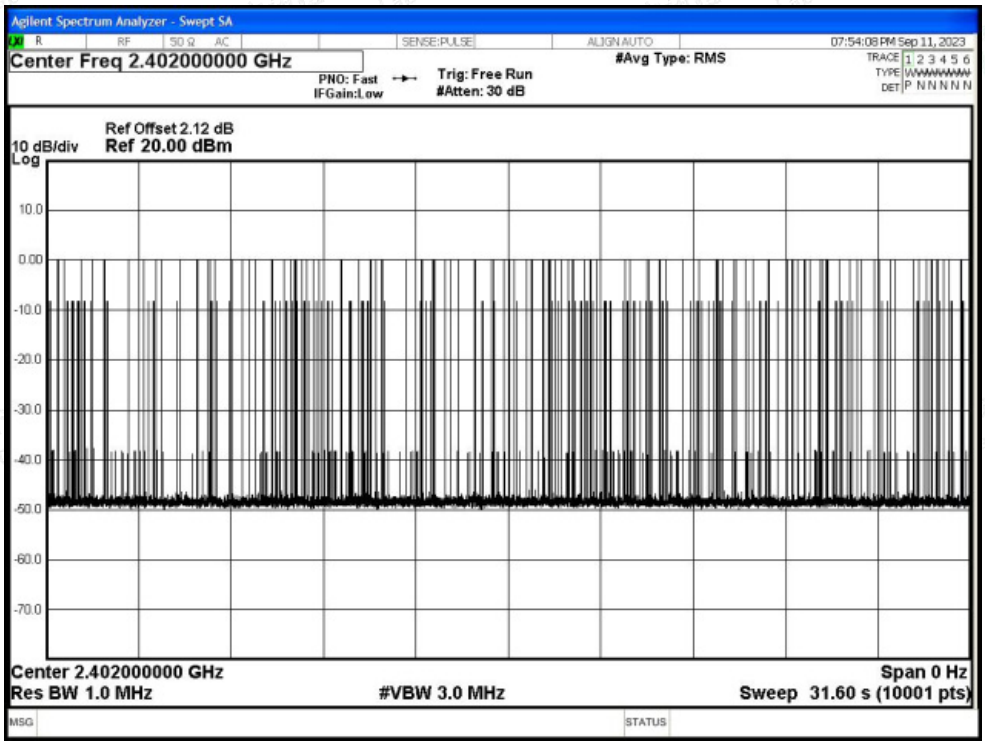
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant0	2.882	319.902	111	31600	400	Pass
NVNT	2-DH5	2402	Ant0	2.88	267.84	93	31600	400	Pass
NVNT	3-DH5	2402	Ant0	2.887	291.587	101	31600	400	Pass

Test Graphs

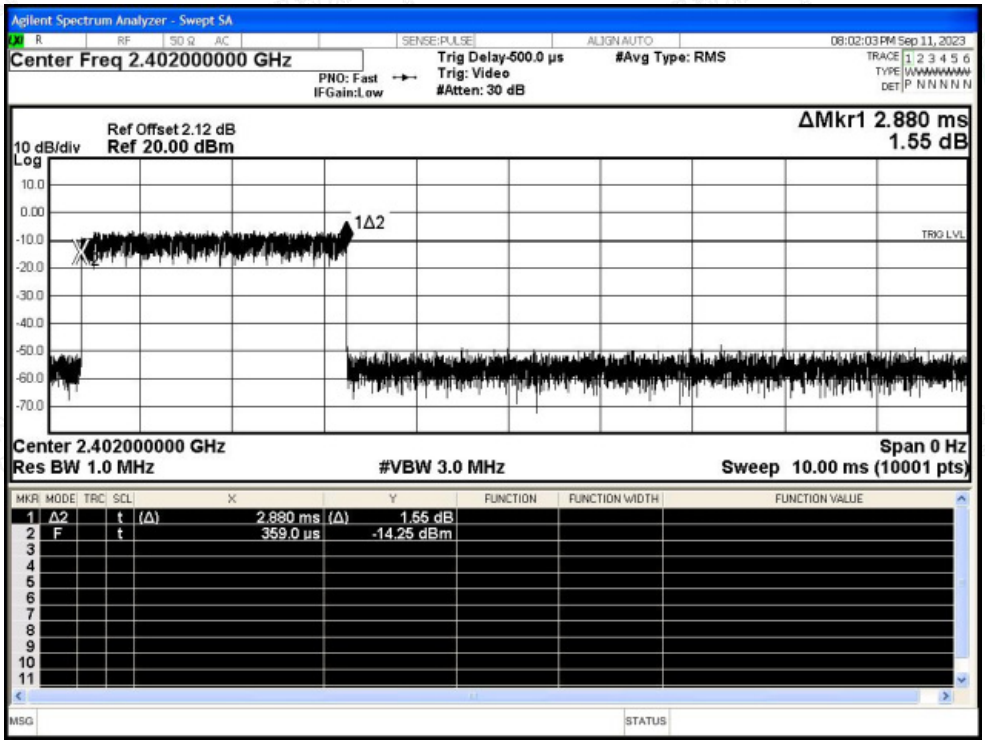
Dwell NVNT 1-DH5 2402MHz Ant0 One Burst



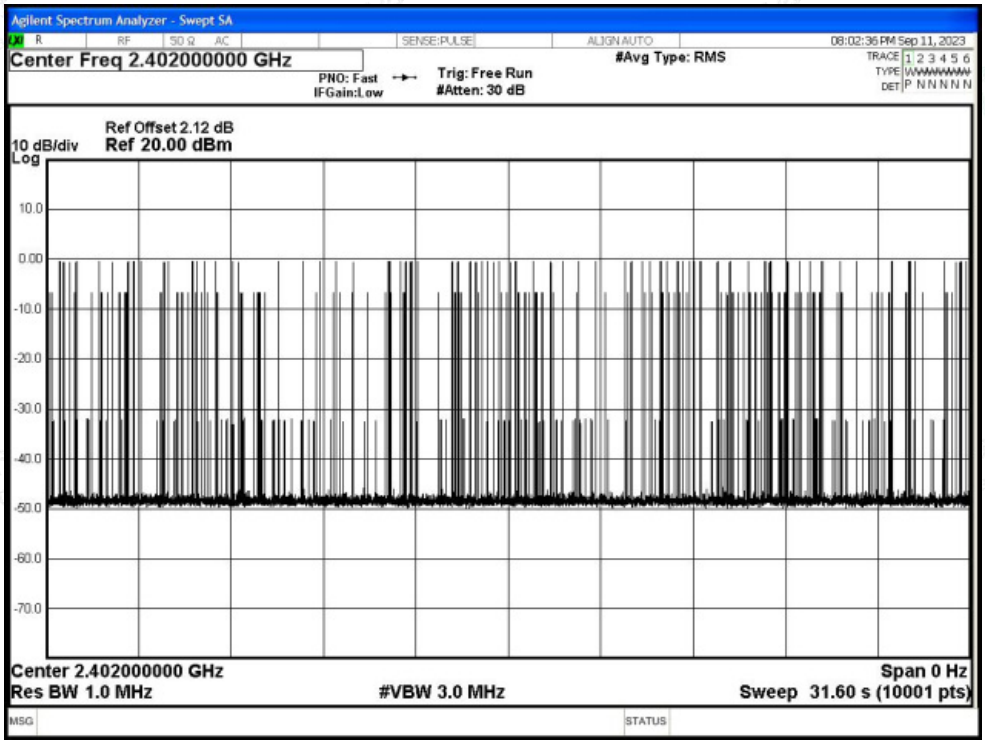
Dwell NVNT 1-DH5 2402MHz Ant0 Accumulated



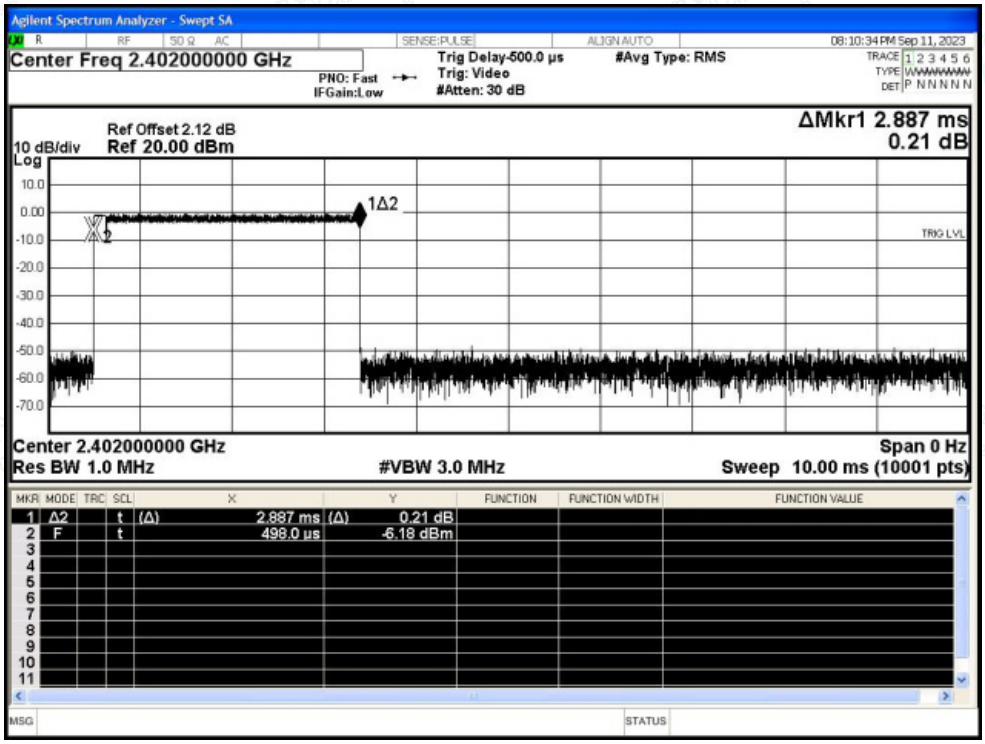
Dwell NVNT 2-DH5 2402MHz Ant0 One Burst



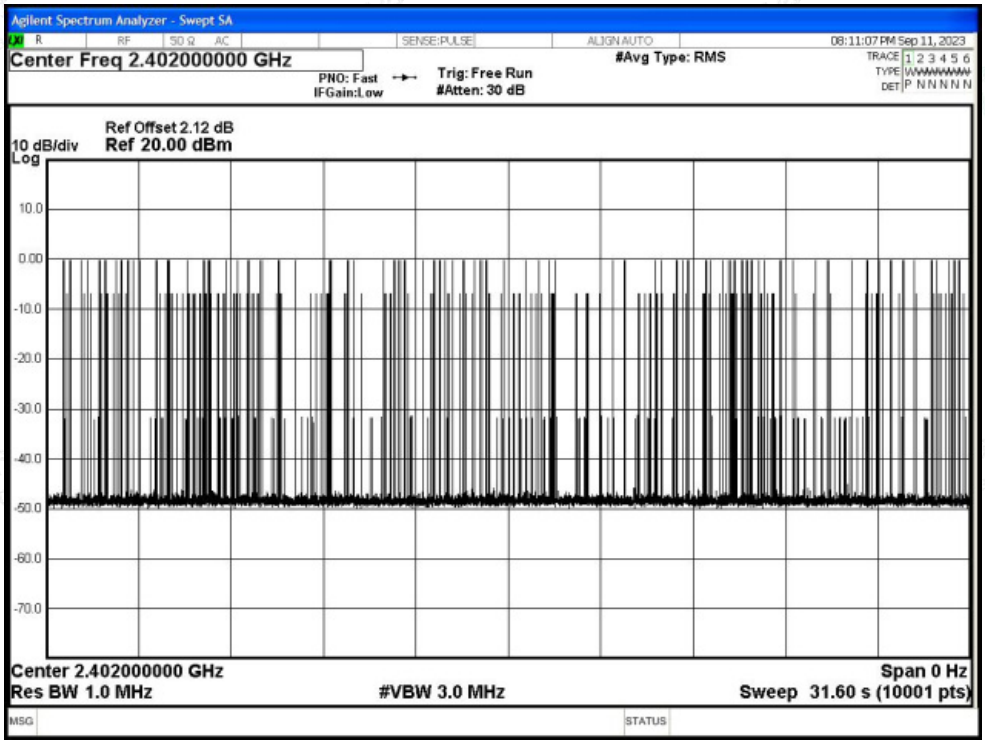
Dwell NVNT 2-DH5 2402MHz Ant0 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant0 One Burst



Dwell NVNT 3-DH5 2402MHz Ant0 Accumulated

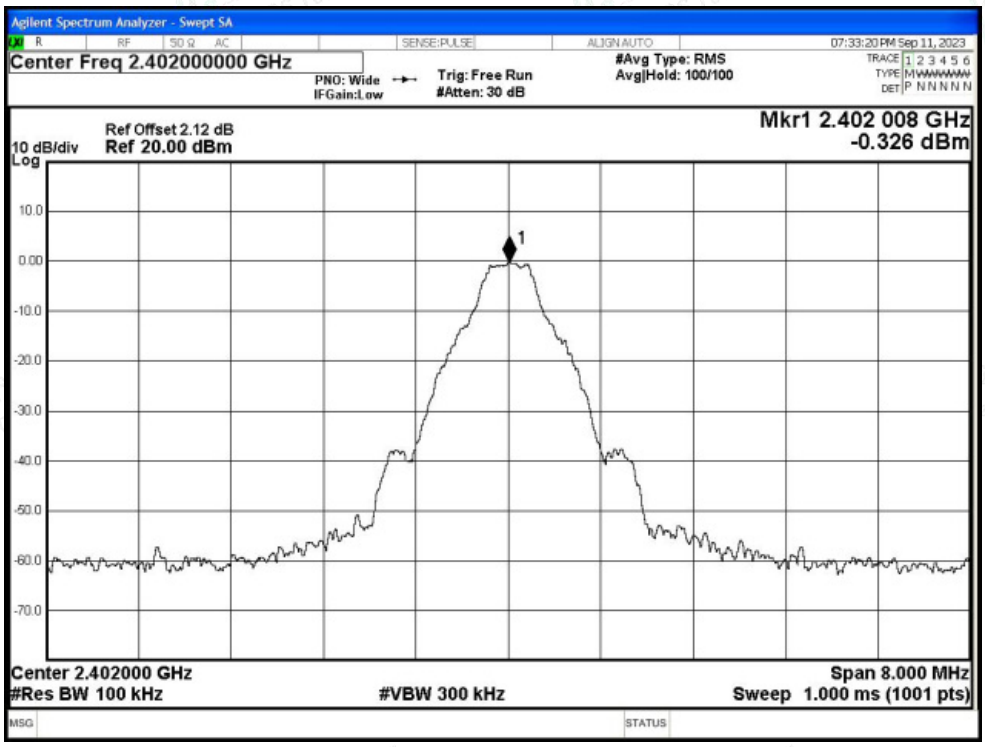


A.6 Band Edge

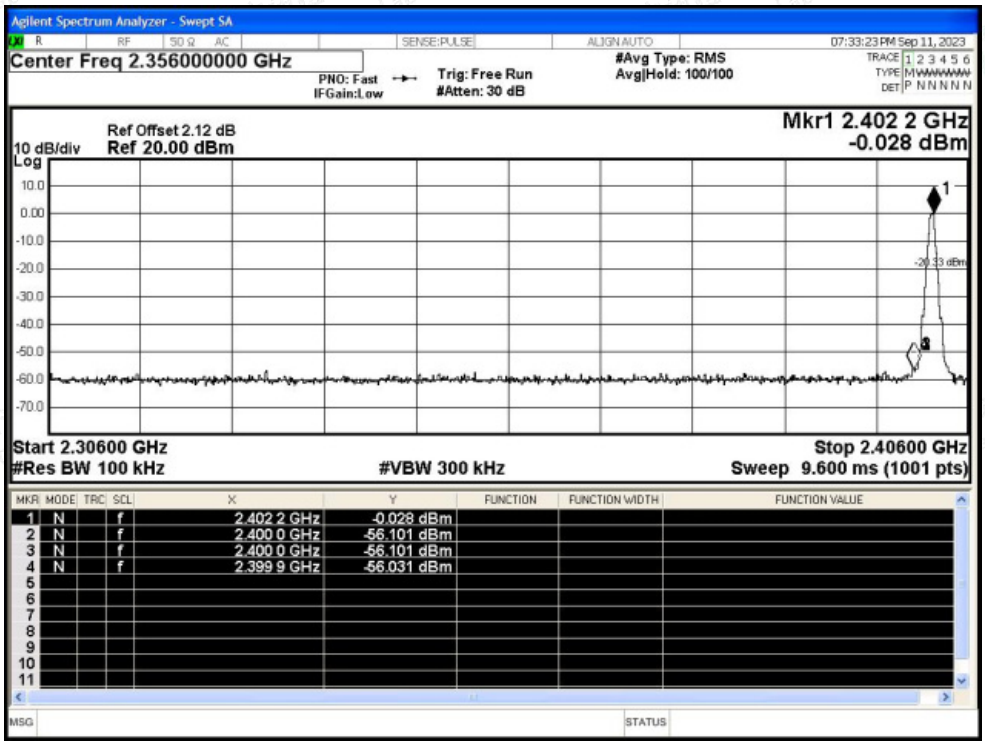
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant0	No-Hopping	-55.71	-20	Pass
NVNT	1-DH5	2480	Ant0	No-Hopping	-57.34	-20	Pass
NVNT	2-DH5	2402	Ant0	No-Hopping	-54.61	-20	Pass
NVNT	2-DH5	2480	Ant0	No-Hopping	-55.73	-20	Pass
NVNT	3-DH5	2402	Ant0	No-Hopping	-53.73	-20	Pass
NVNT	3-DH5	2480	Ant0	No-Hopping	-56.13	-20	Pass

Test Graphs

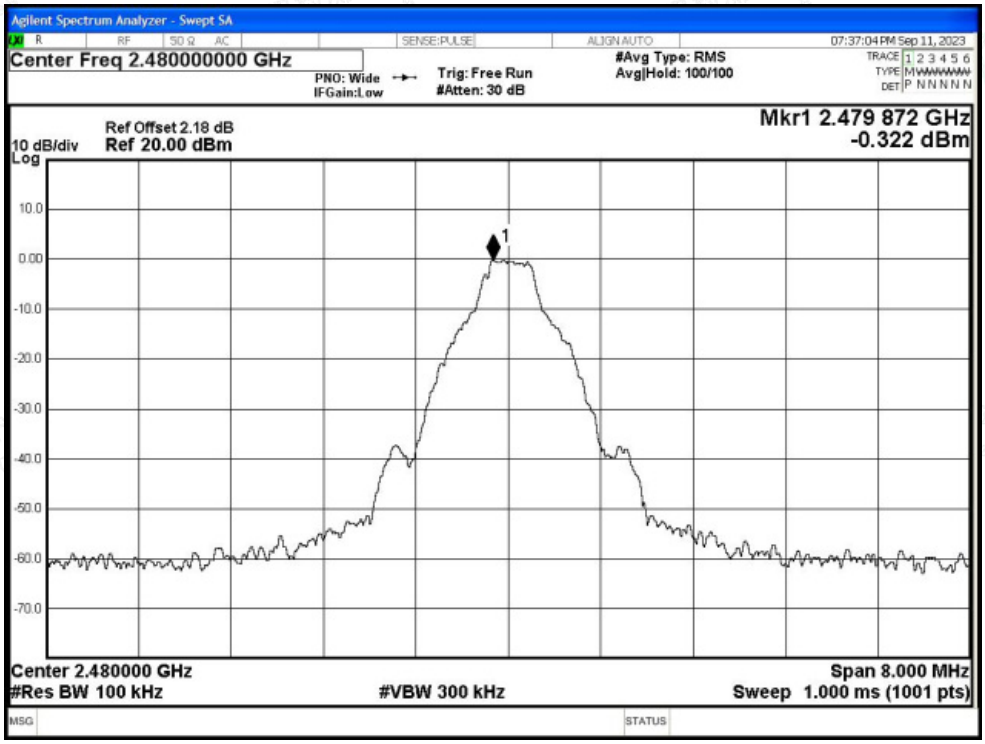
Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Ref



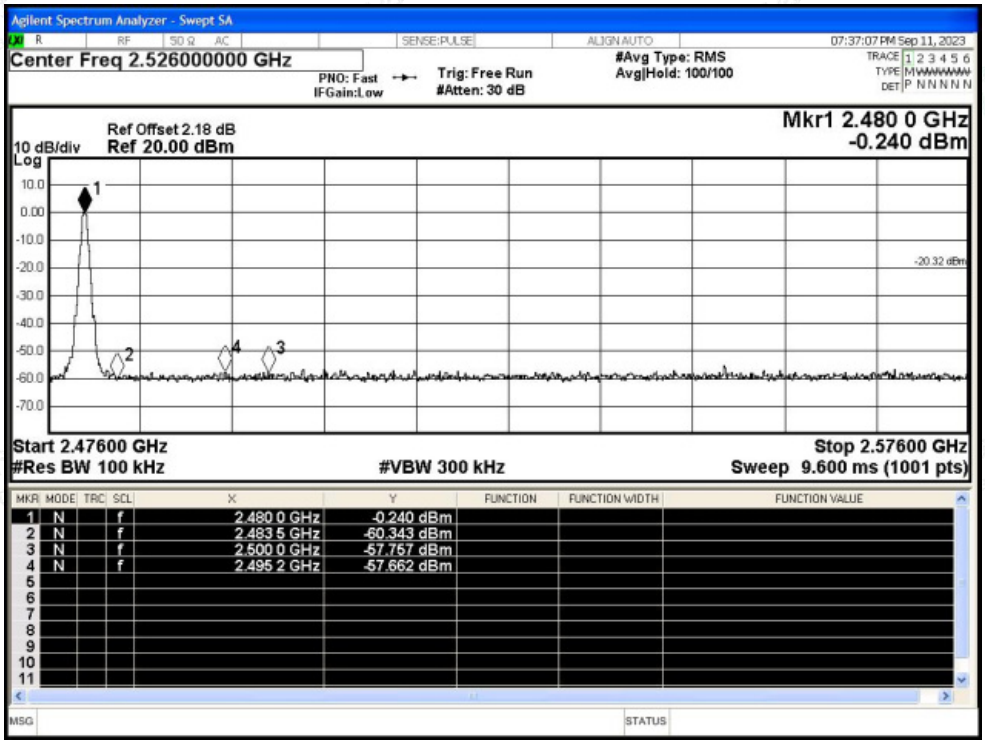
Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Emission



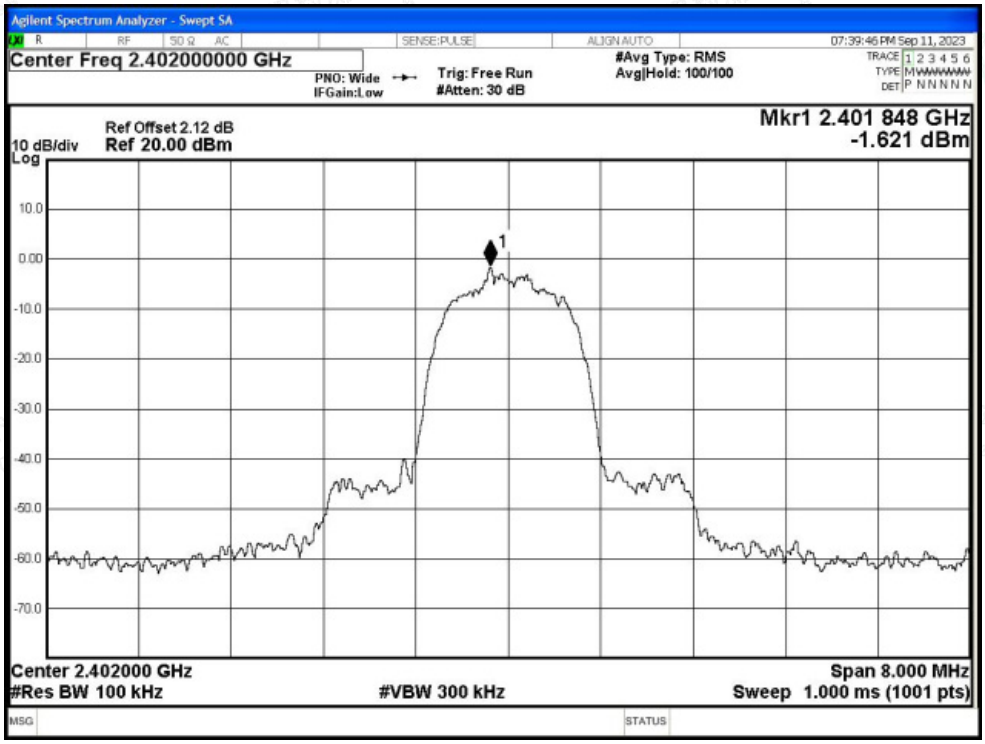
Band Edge NVNT 1-DH5 2480MHz Ant0 No-Hopping Ref



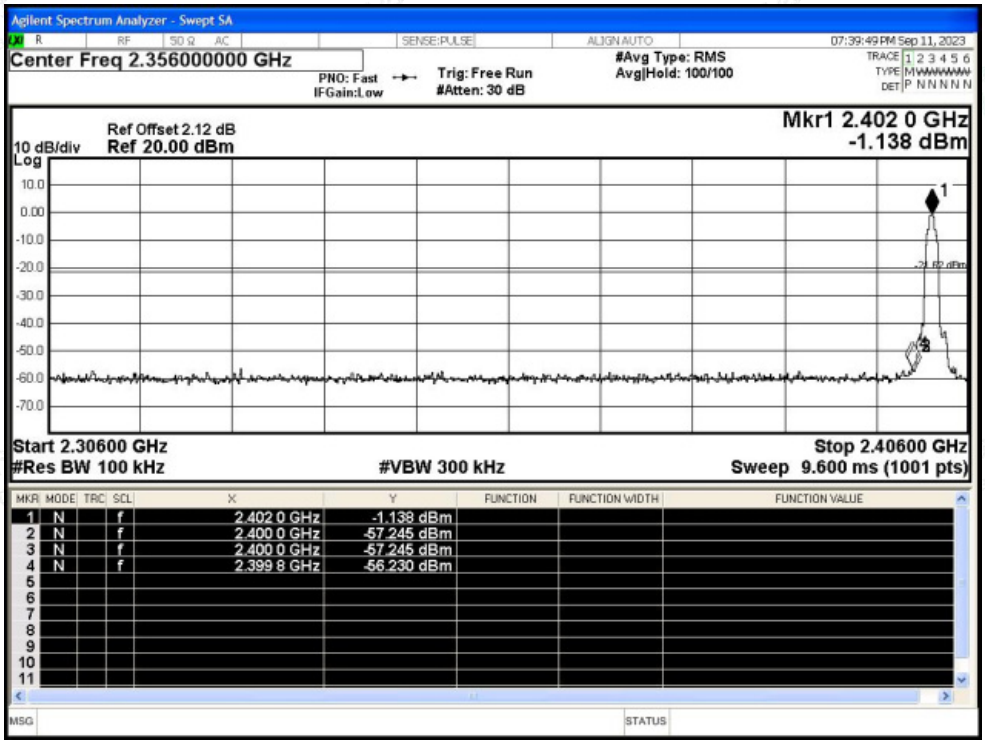
Band Edge NVNT 1-DH5 2480MHz Ant0 No-Hopping Emission



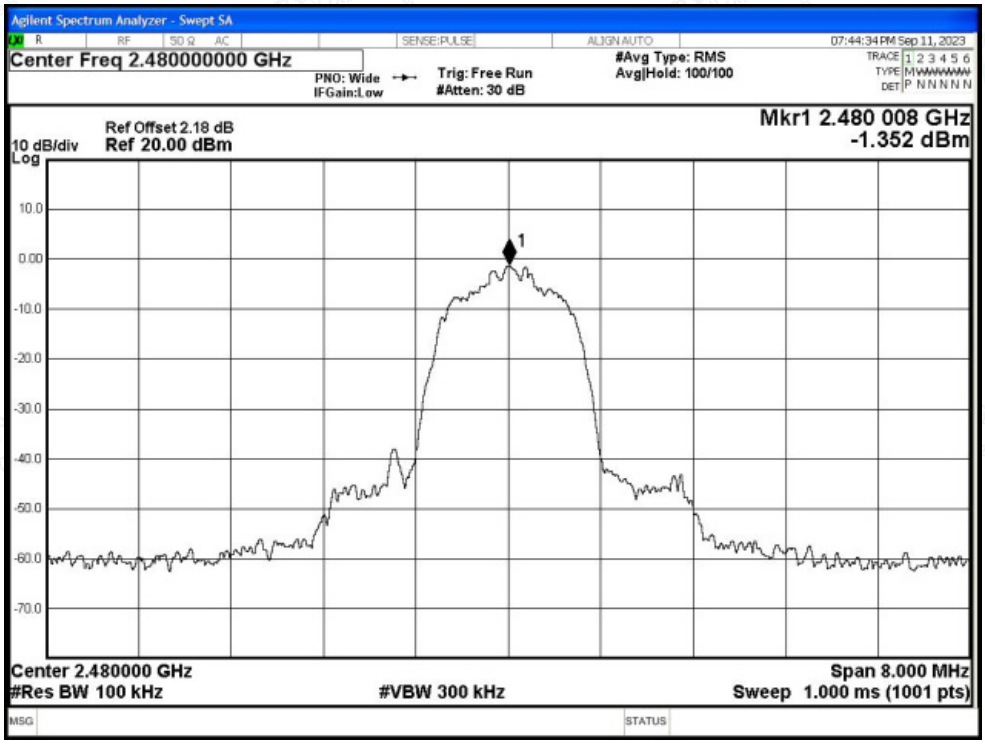
Band Edge NVNT 2-DH5 2402MHz Ant0 No-Hopping Ref



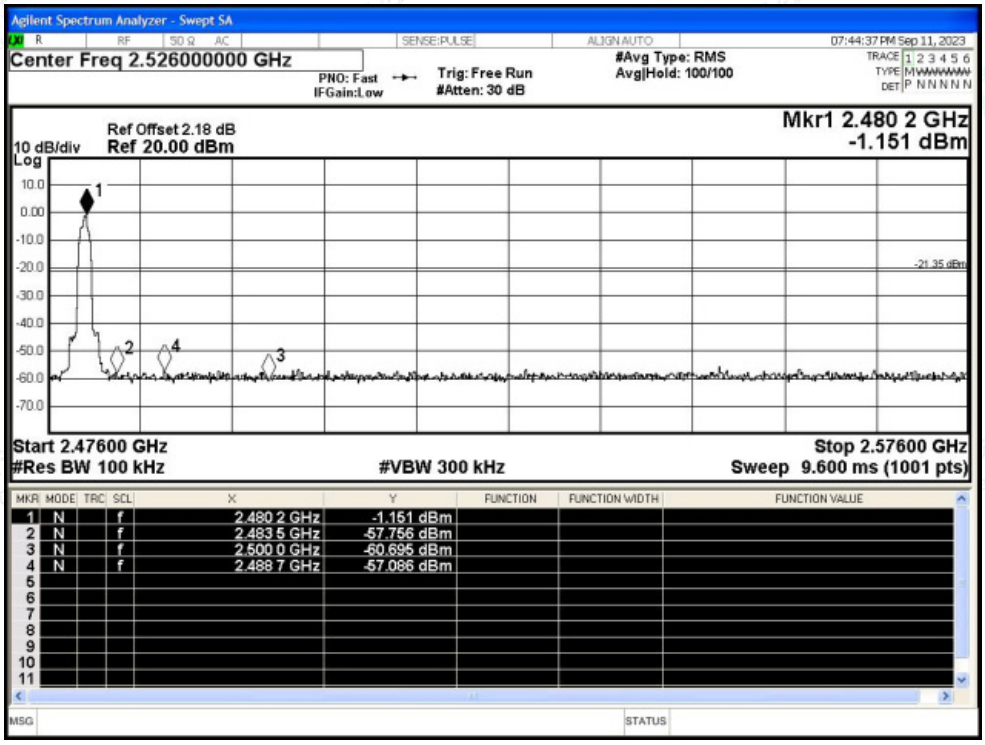
Band Edge NVNT 2-DH5 2402MHz Ant0 No-Hopping Emission



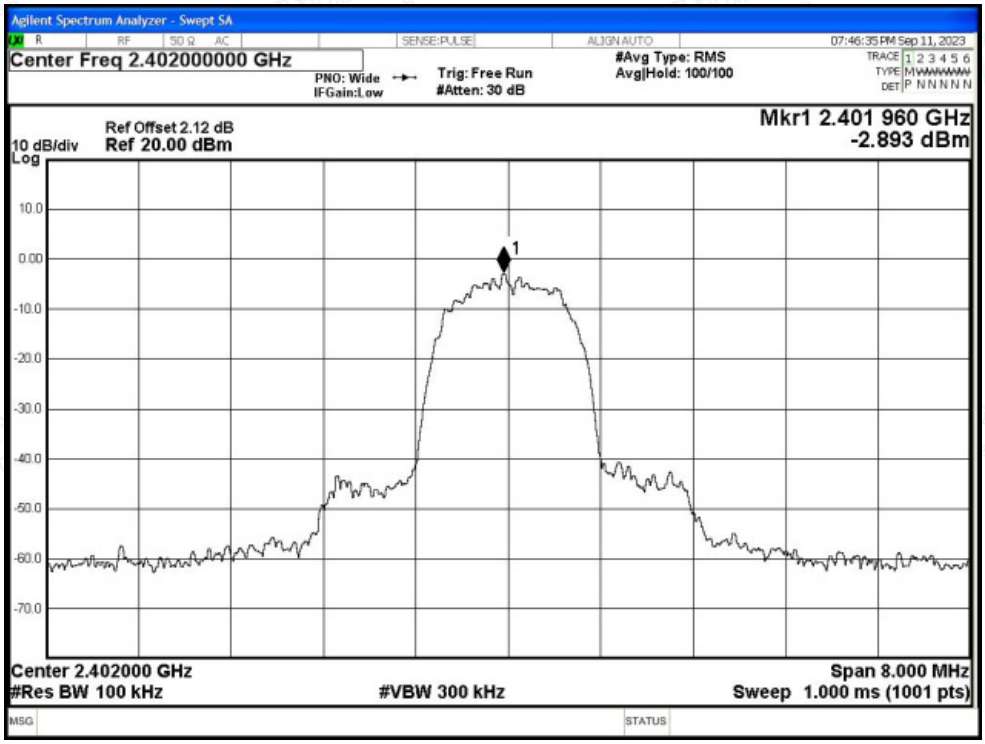
Band Edge NVNT 2-DH5 2480MHz Ant0 No-Hopping Ref



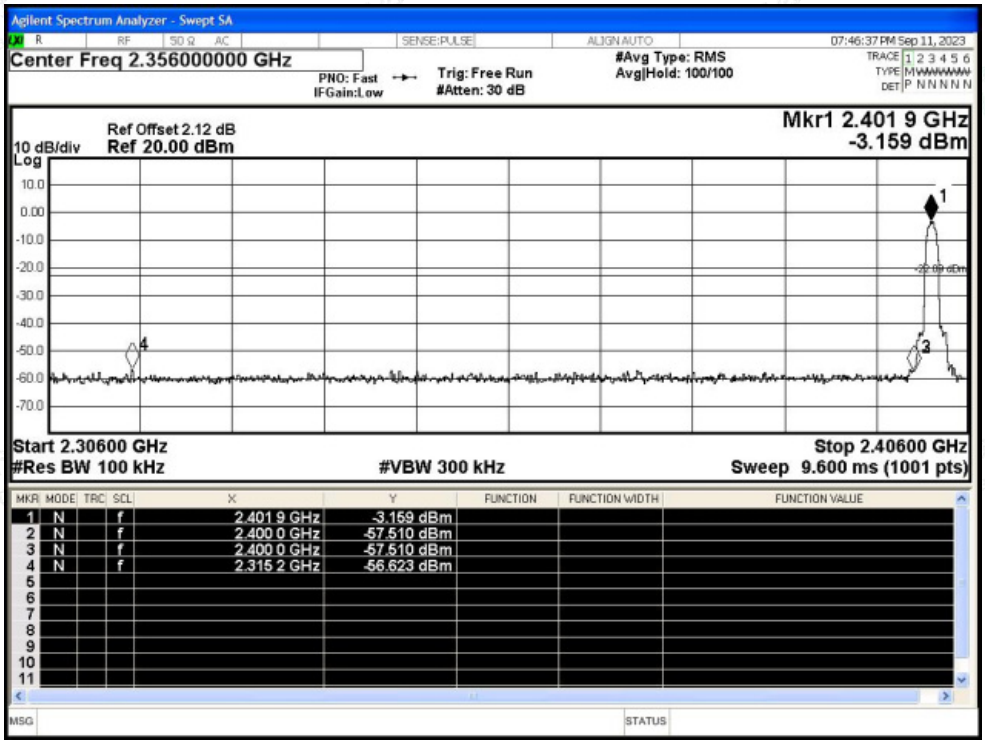
Band Edge NVNT 2-DH5 2480MHz Ant0 No-Hopping Emission



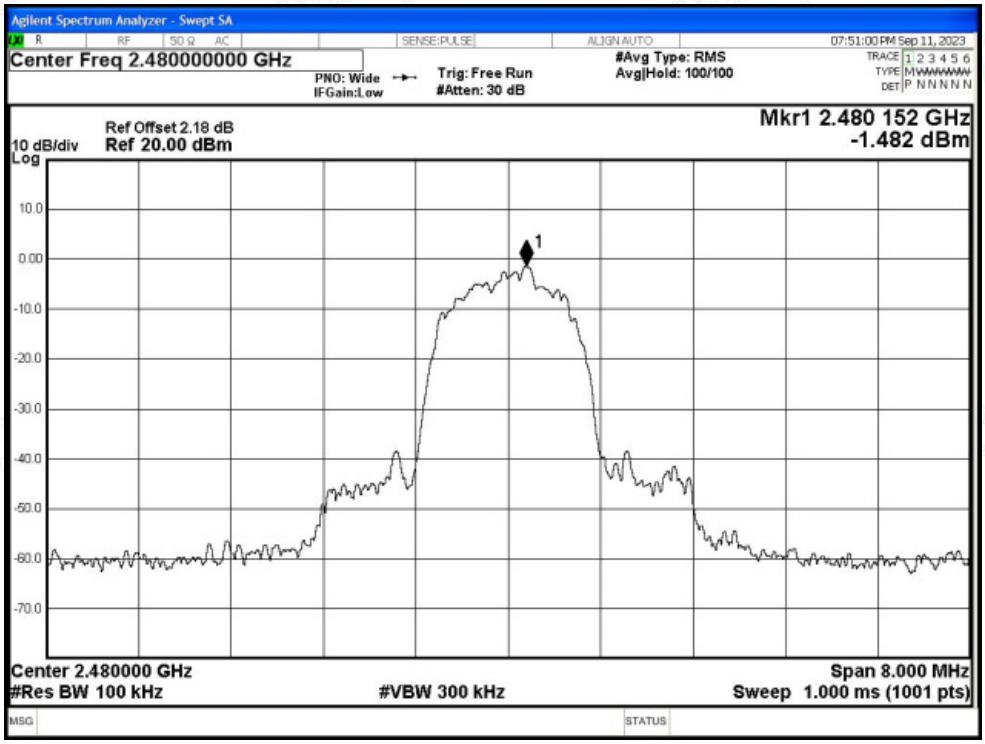
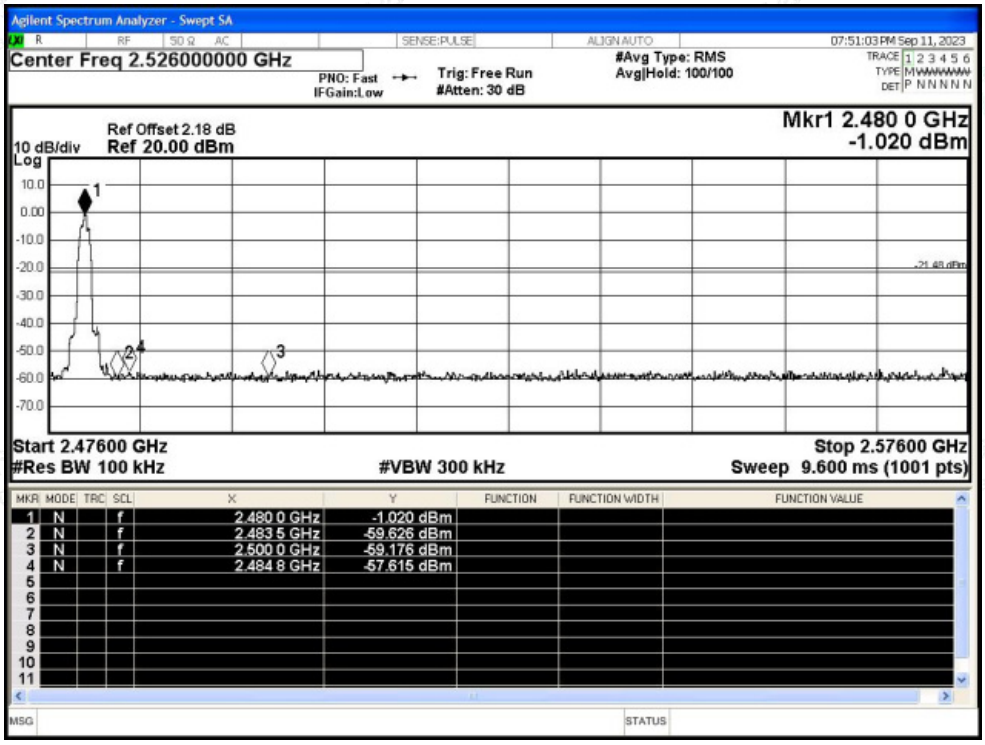
Band Edge NVNT 3-DH5 2402MHz Ant0 No-Hopping Ref



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