Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Fitness walker

Test Model: CS-WP6

Environmental Conditions

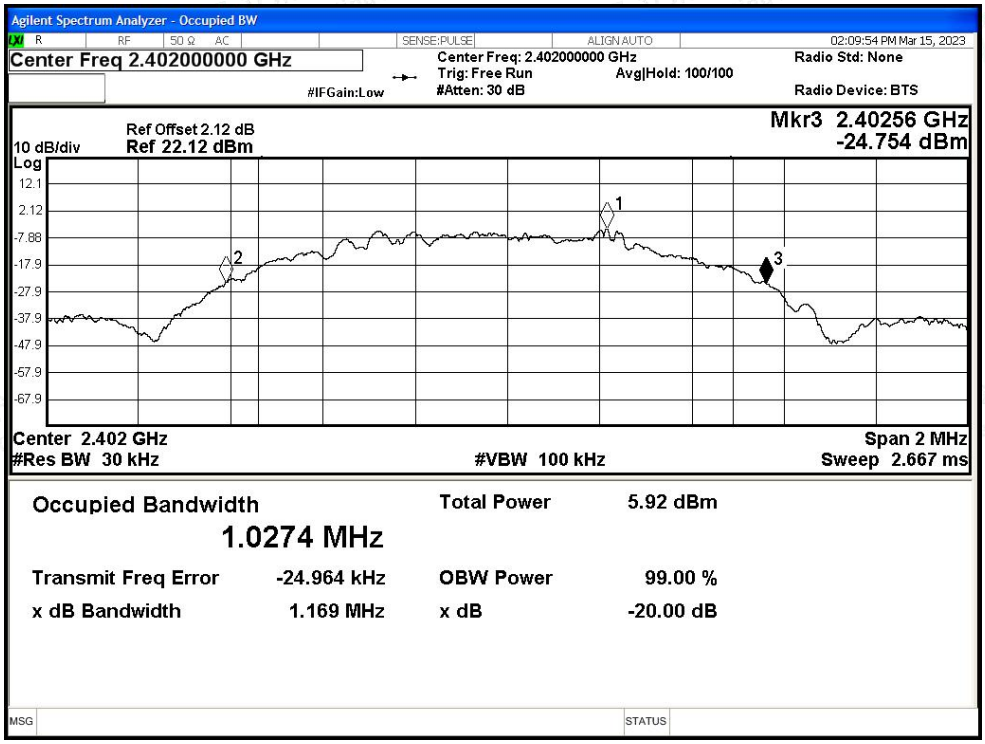
Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

A.1 -20dB Bandwidth

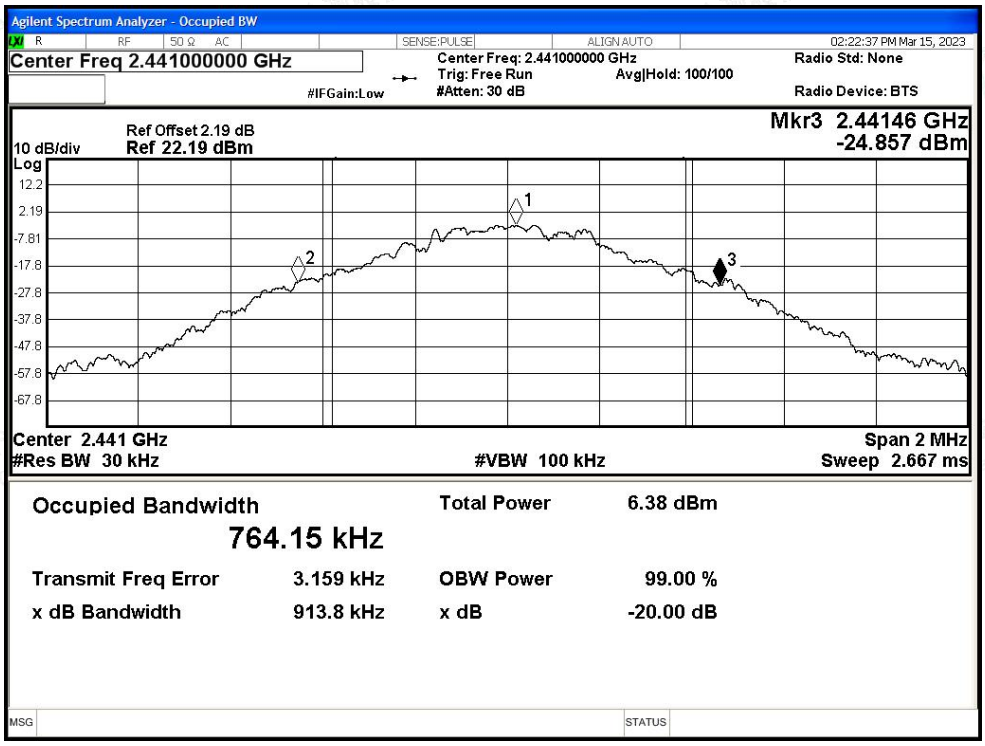
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.169	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.914	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.91	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.274	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.274	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.277	N/A	Pass

Test Graphs

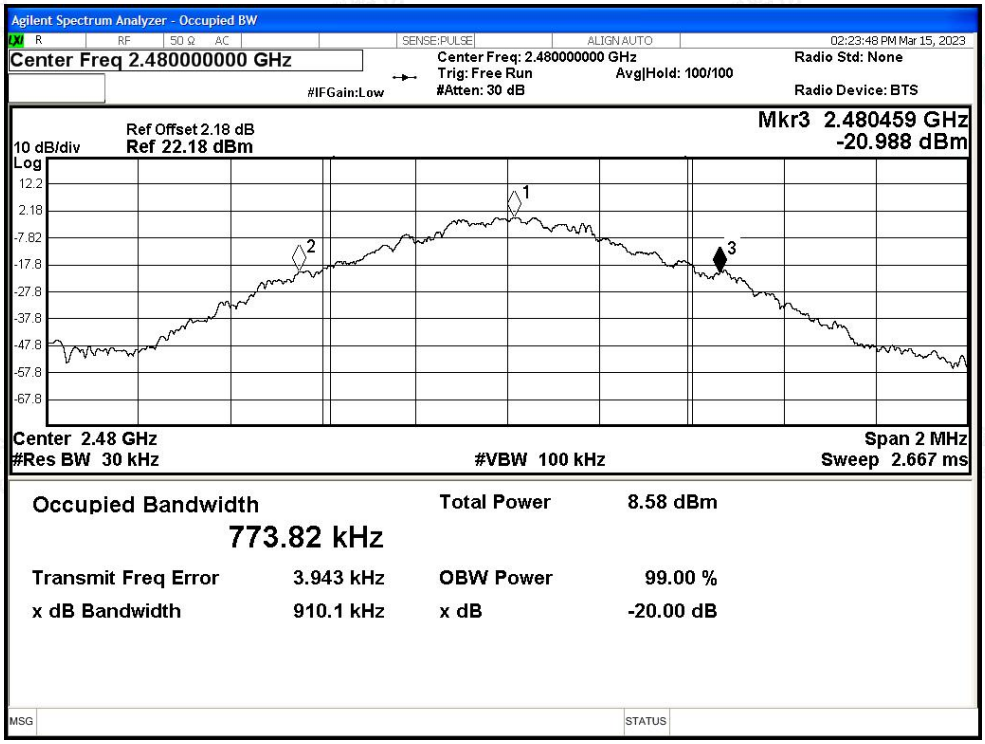
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



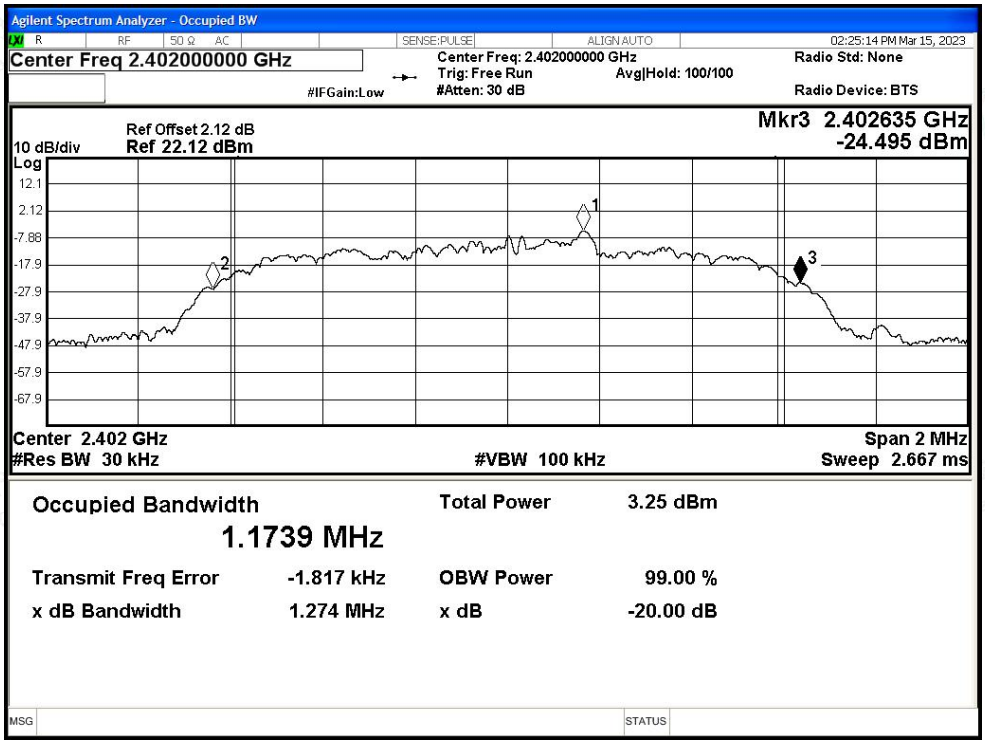
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



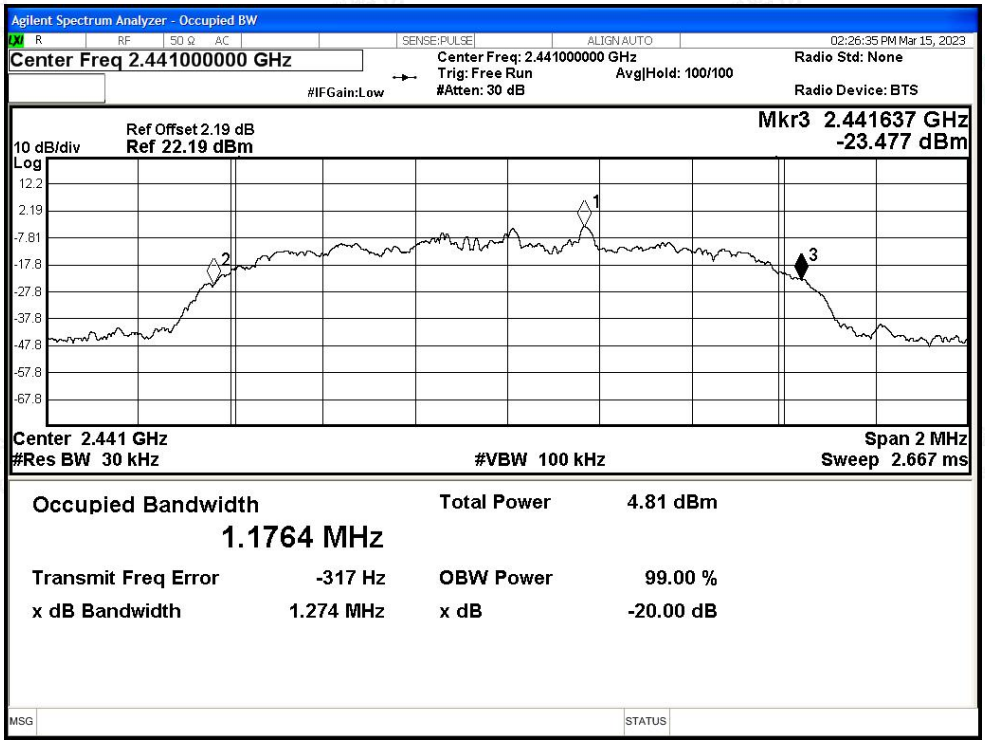
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



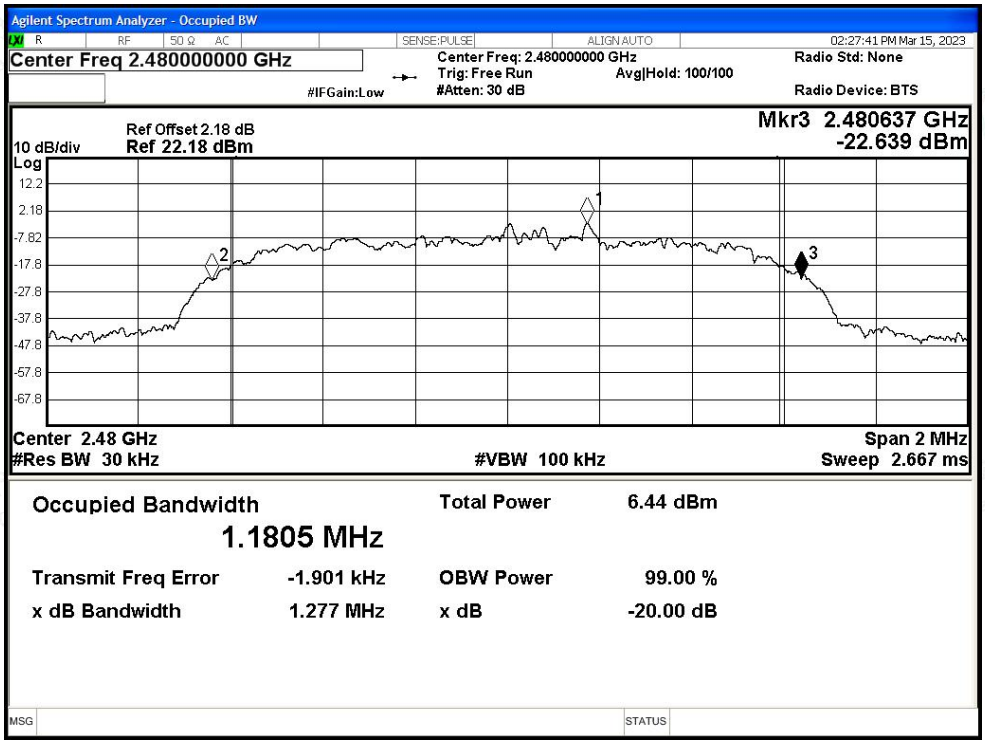
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

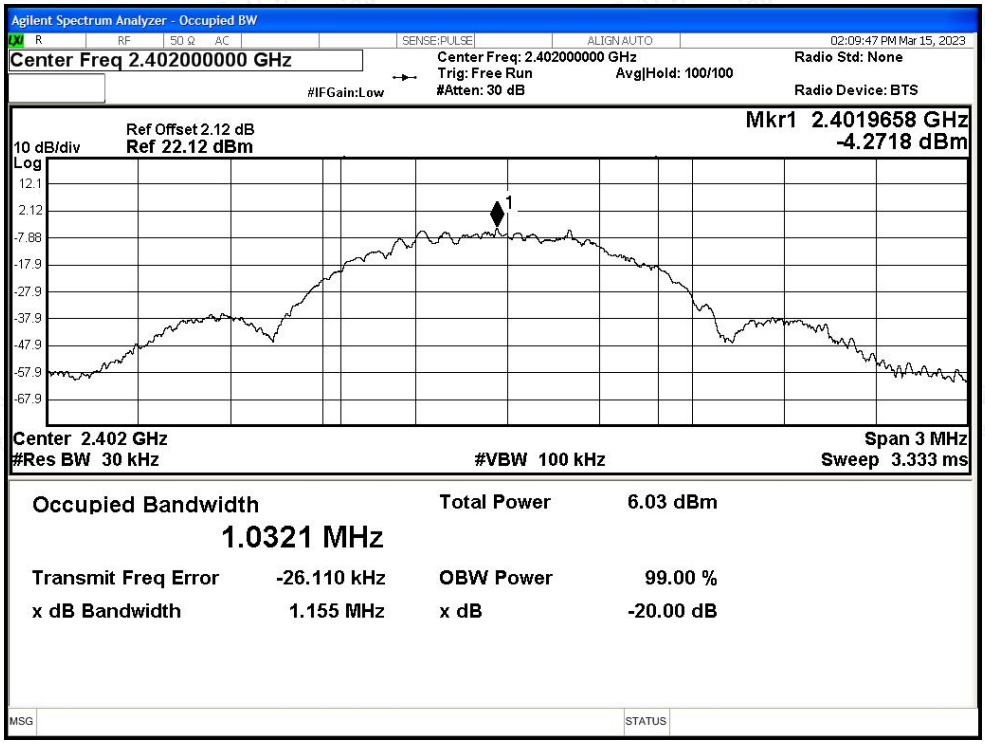


A.2 Occupied Channel Bandwidth

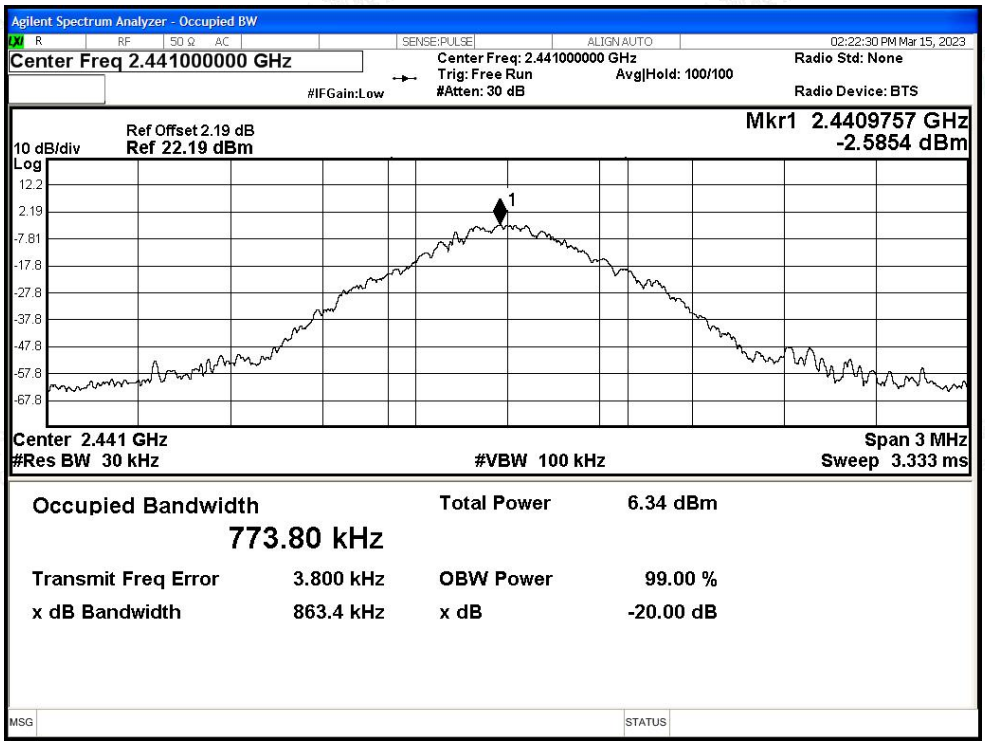
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	1.032
NVNT	1-DH5	2441	Ant1	0.774
NVNT	1-DH5	2480	Ant1	0.773
NVNT	2-DH5	2402	Ant1	1.179
NVNT	2-DH5	2441	Ant1	1.18
NVNT	2-DH5	2480	Ant1	1.174

Test Graphs

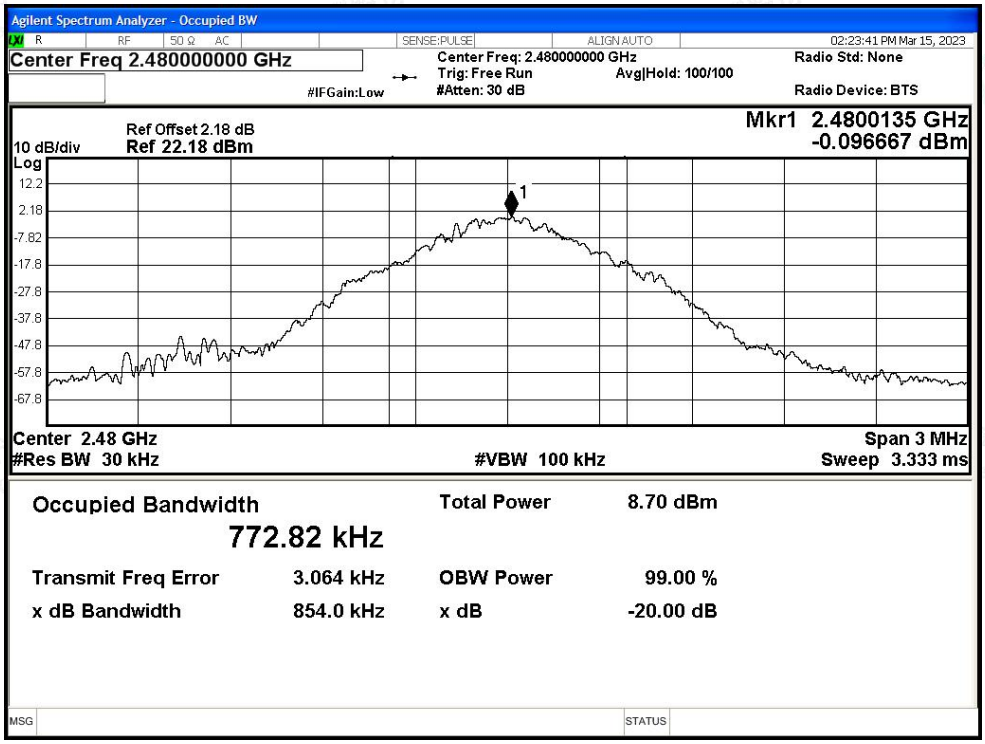
OBW NVNT 1-DH5 2402MHz Ant1



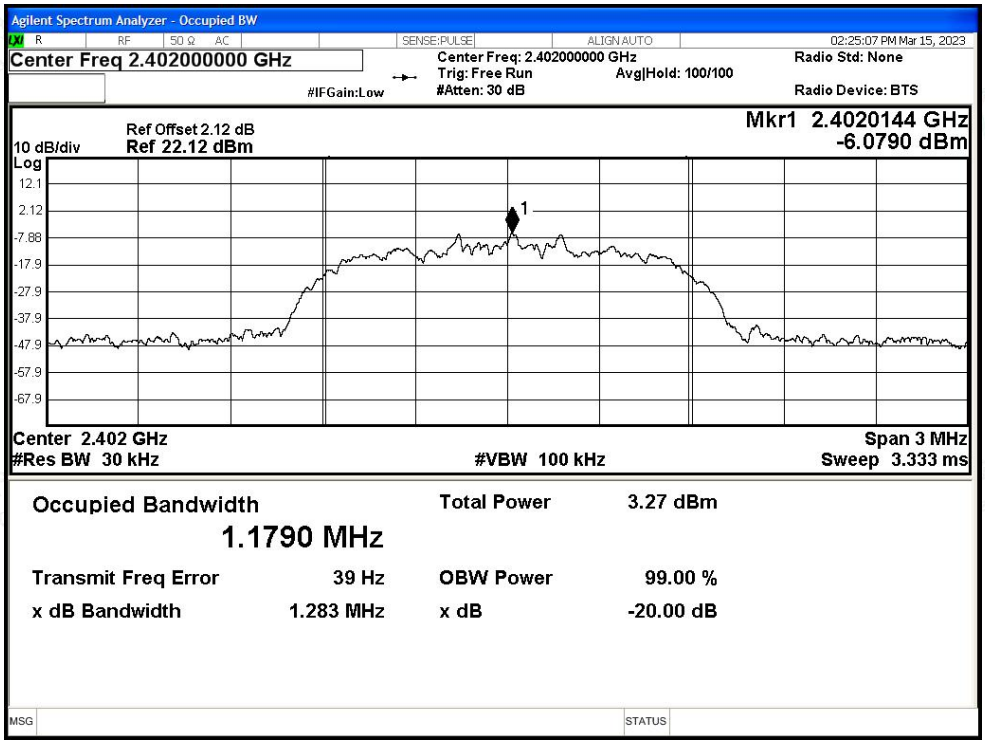
OBW NVNT 1-DH5 2441MHz Ant1



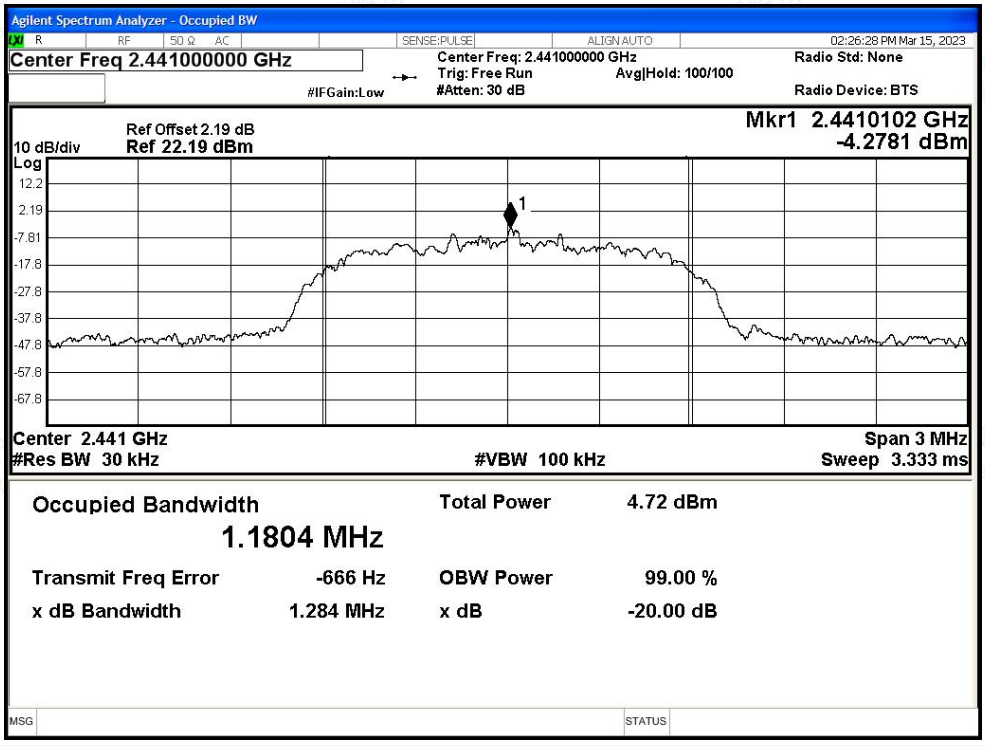
OBW NVNT 1-DH5 2480MHz Ant1



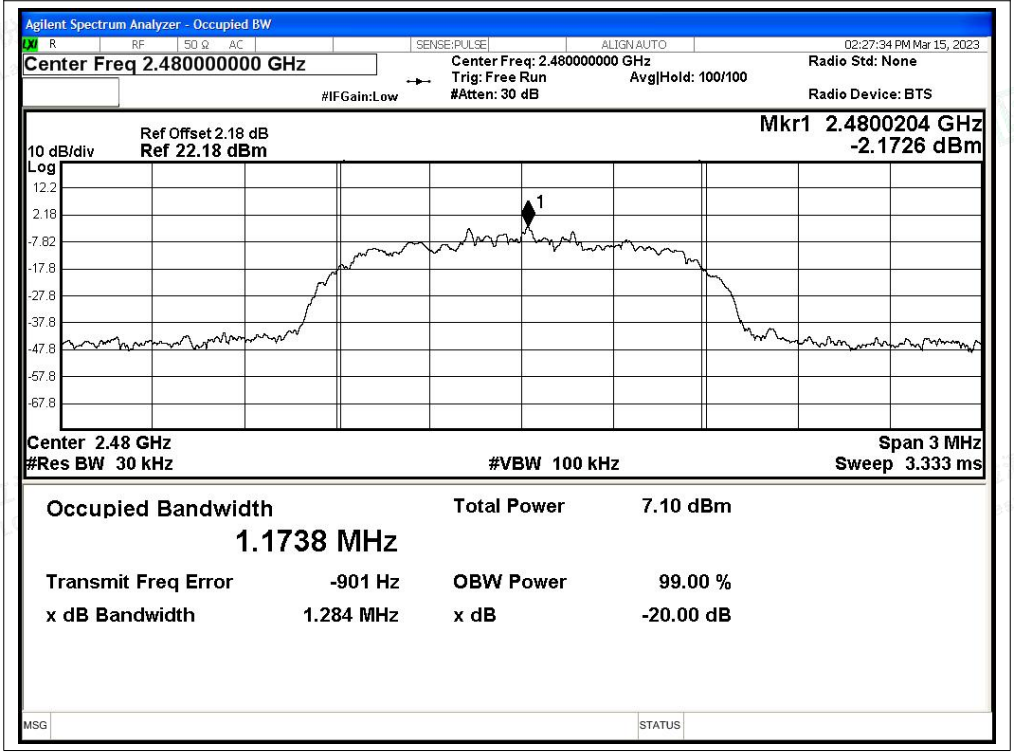
OBW NVNT 2-DH5 2402MHz Ant1



OBW NVNT 2-DH5 2441MHz Ant1



OBW NVNT 2-DH5 2480MHz Ant1



A.3 Maximum Conducted Output Power and e.i.r.p.

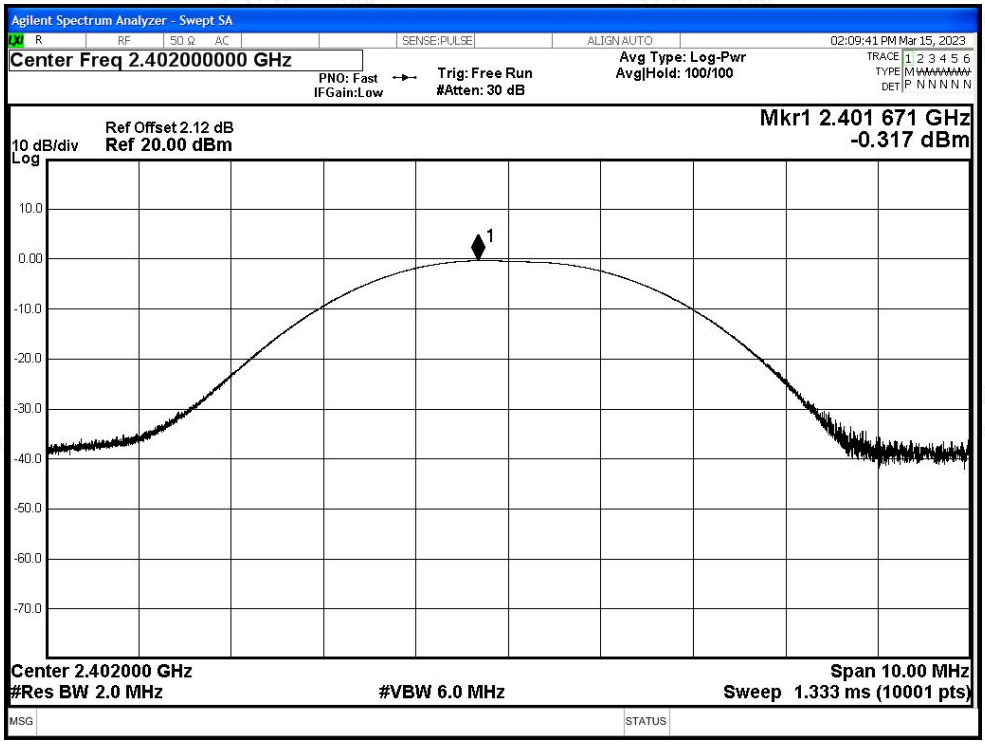
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.32	21	Pass
NVNT	1-DH5	2441	Ant1	0.35	21	Pass
NVNT	1-DH5	2480	Ant1	2.84	21	Pass
NVNT	2-DH5	2402	Ant1	-1.72	21	Pass
NVNT	2-DH5	2441	Ant1	0.03	21	Pass
NVNT	2-DH5	2480	Ant1	2.15	21	Pass

EIRP

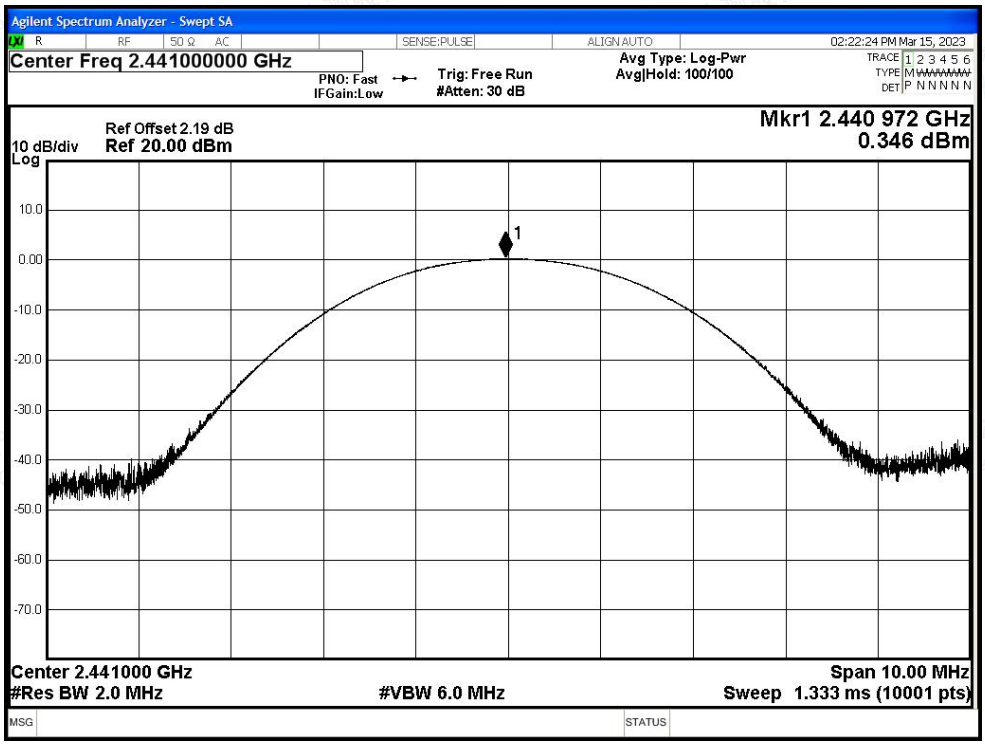
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Antenna Gain	Report EIRP Power(dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.32	4.02	3.7	36	Pass
NVNT	1-DH5	2441	Ant1	0.35	4.02	4.37	36	Pass
NVNT	1-DH5	2480	Ant1	2.84	4.02	6.86	36	Pass
NVNT	2-DH5	2402	Ant1	-1.72	4.02	2.3	36	Pass
NVNT	2-DH5	2441	Ant1	0.03	4.02	4.05	36	Pass
NVNT	2-DH5	2480	Ant1	2.15	4.02	6.17	36	Pass

Test Graphs

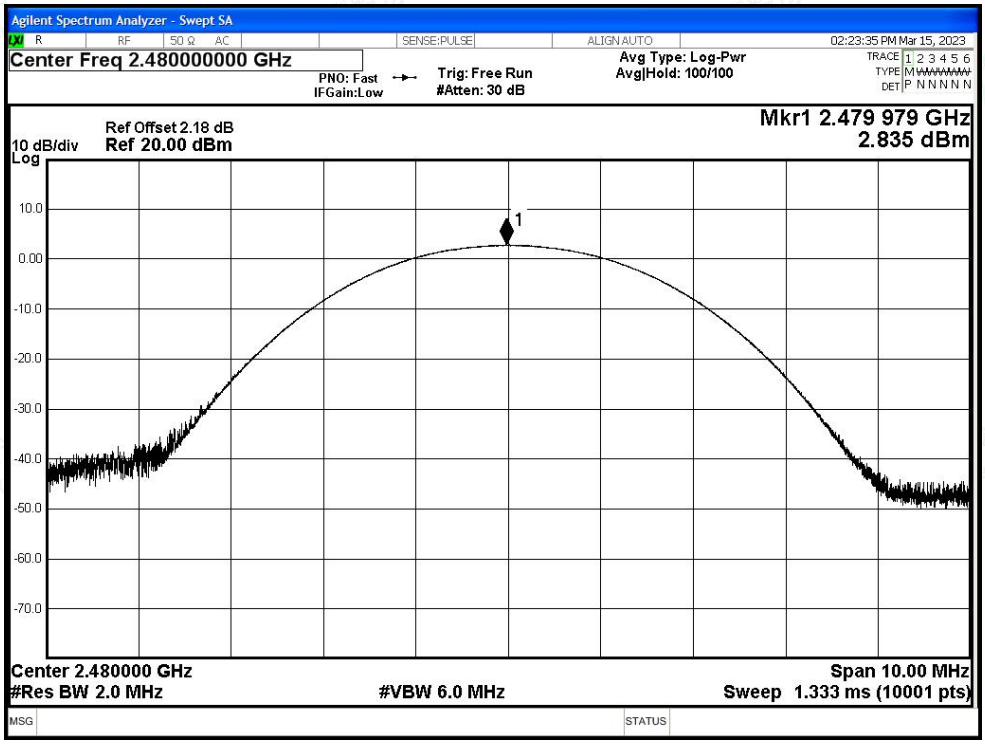
Power NVNT 1-DH5 2402MHz Ant1



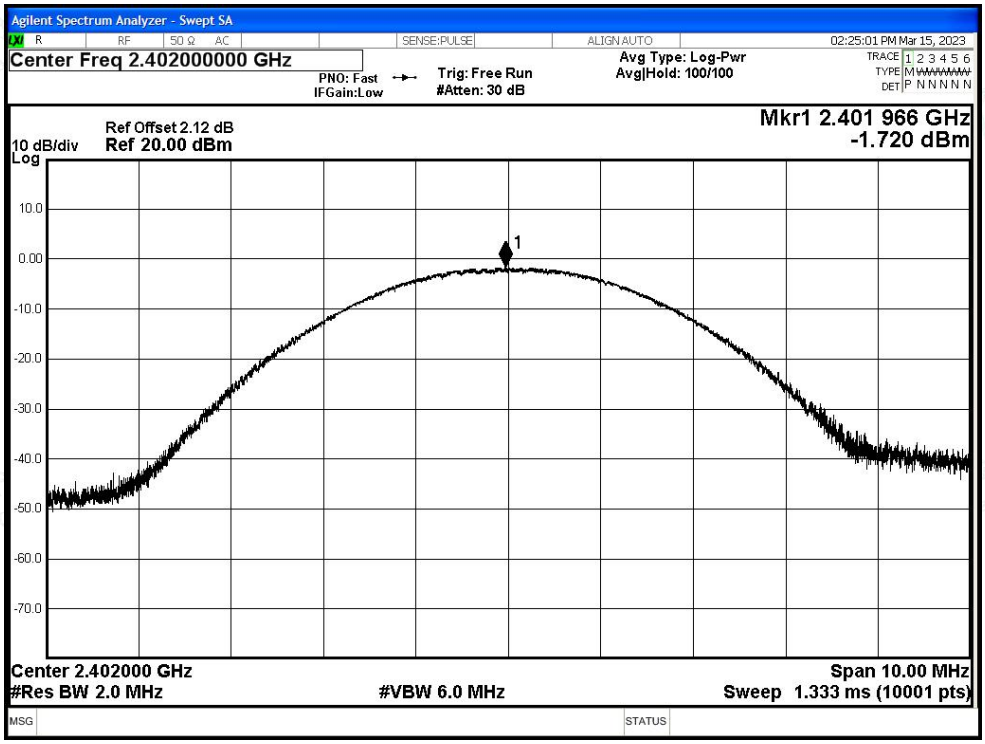
Power NVNT 1-DH5 2441MHz Ant1



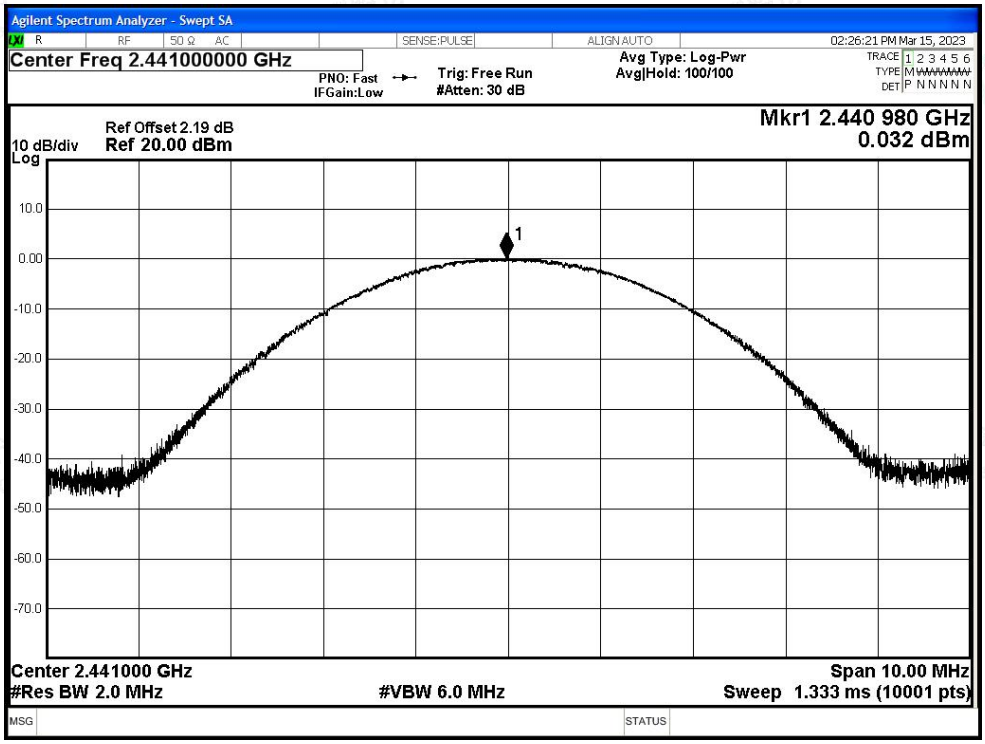
Power NVNT 1-DH5 2480MHz Ant1



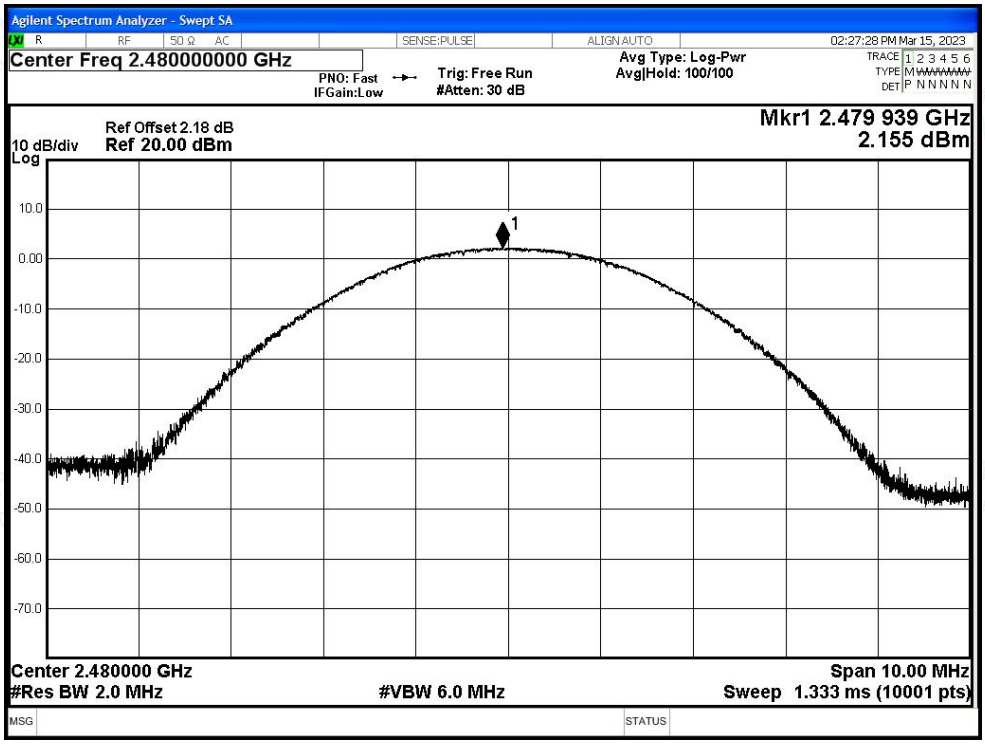
Power NVNT 2-DH5 2402MHz Ant1



Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1

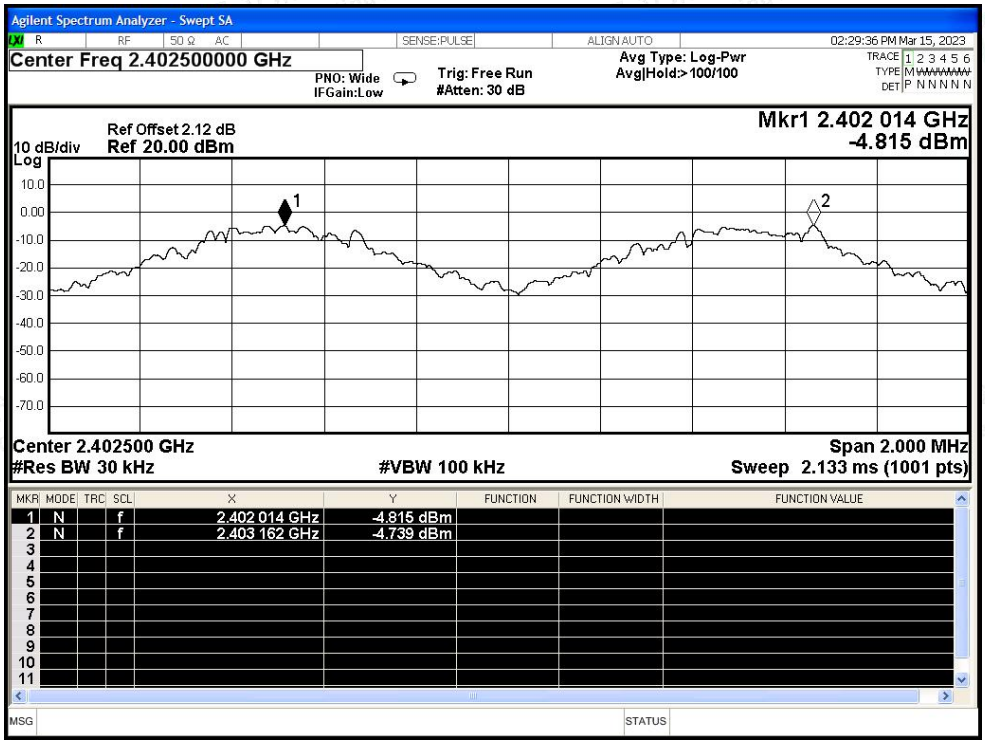


A.4 Carrier Frequencies Separation

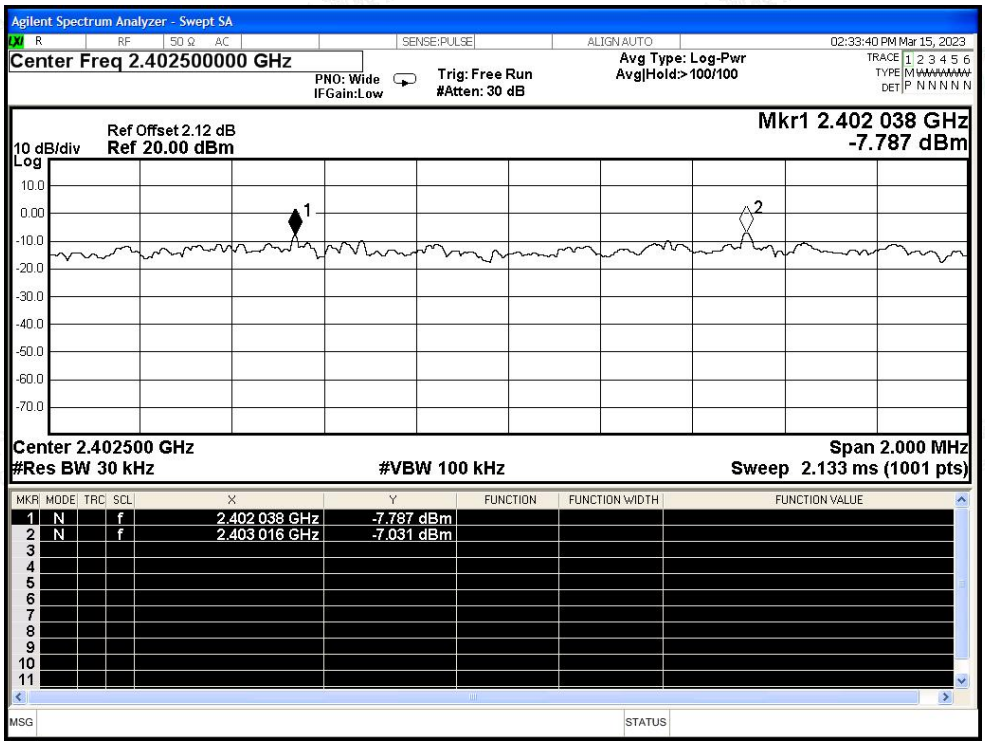
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.014	2403.162	1.148	0.779	Pass
NVNT	2-DH5	Ant1	2402.038	2403.016	0.978	0.851	Pass

Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

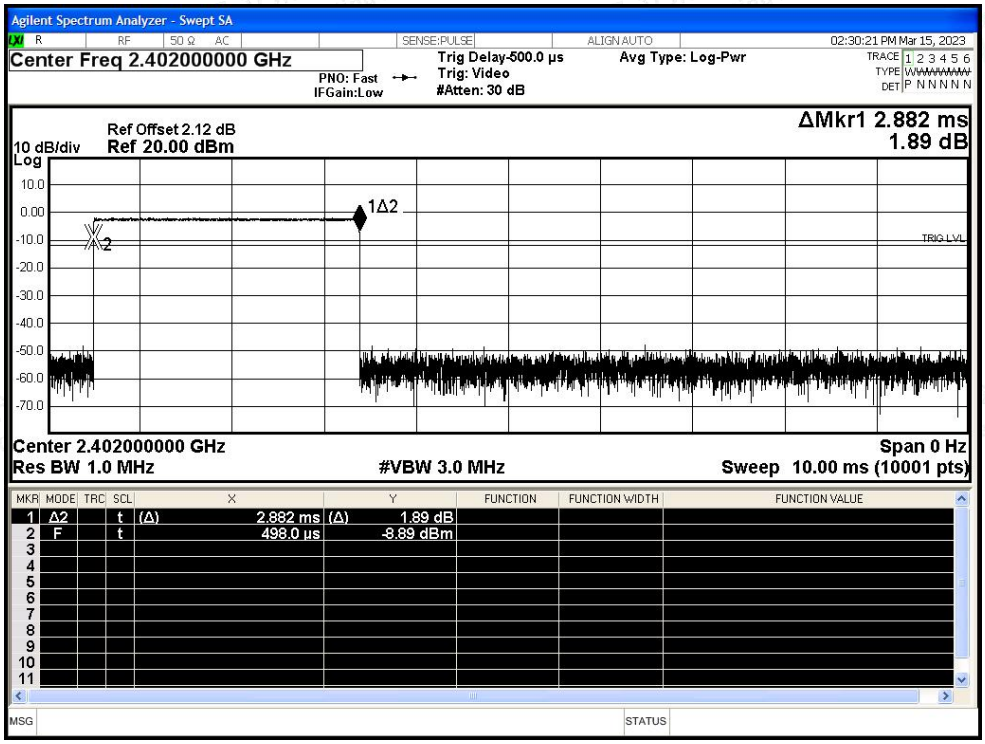


A.5 Dwell Time

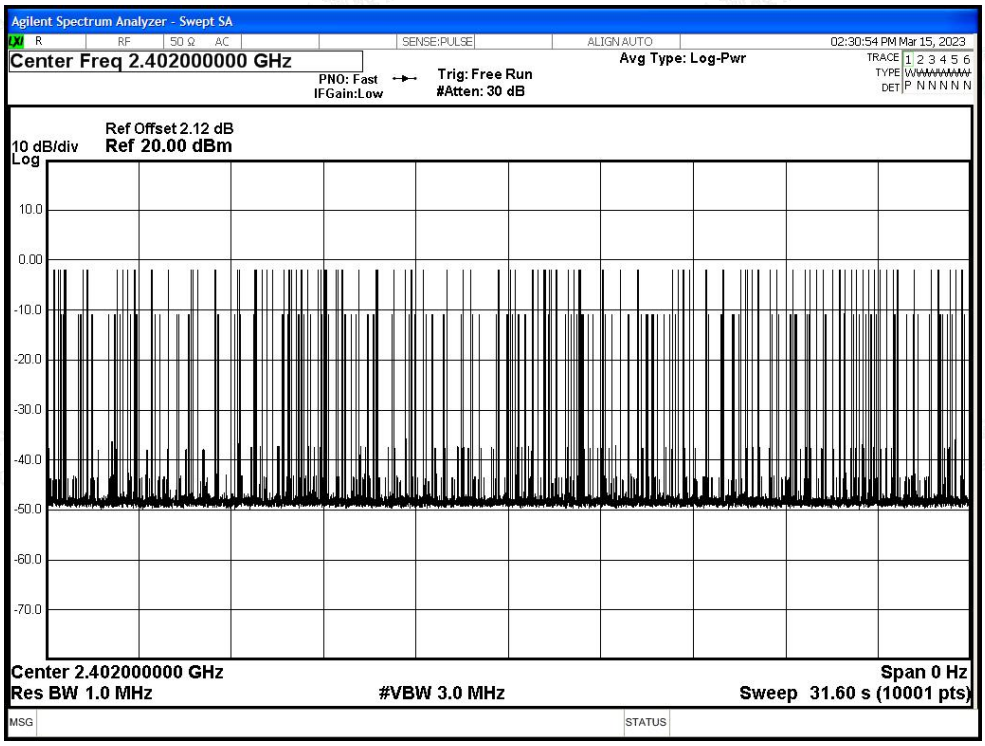
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	317.02	110	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	276.48	96	31600	400	Pass

Test Graphs

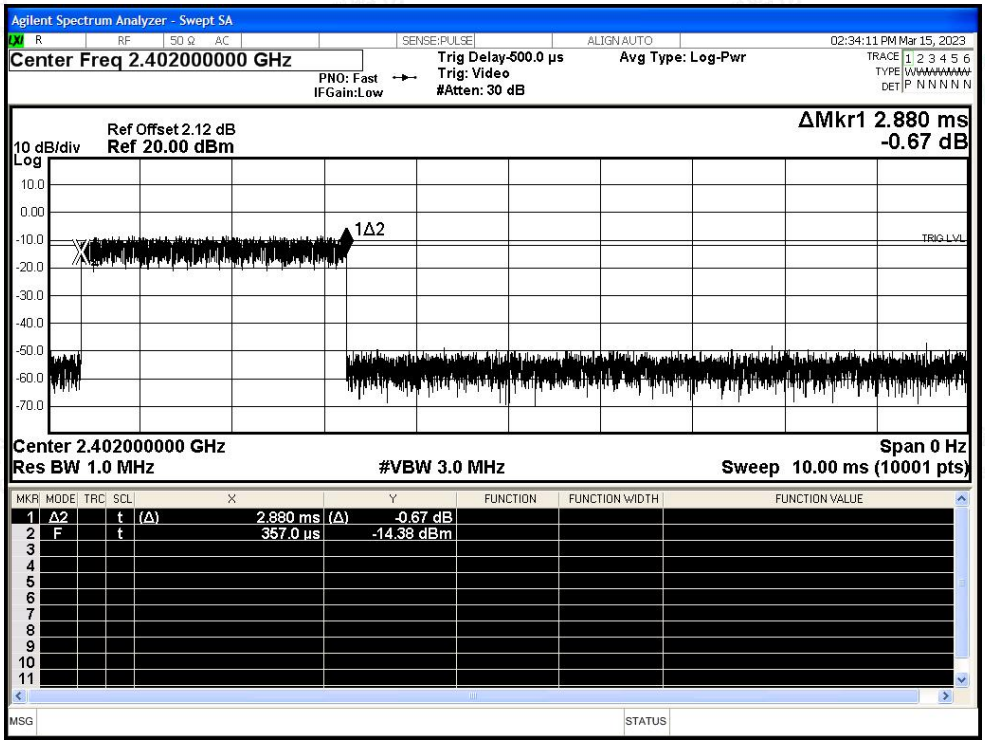
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



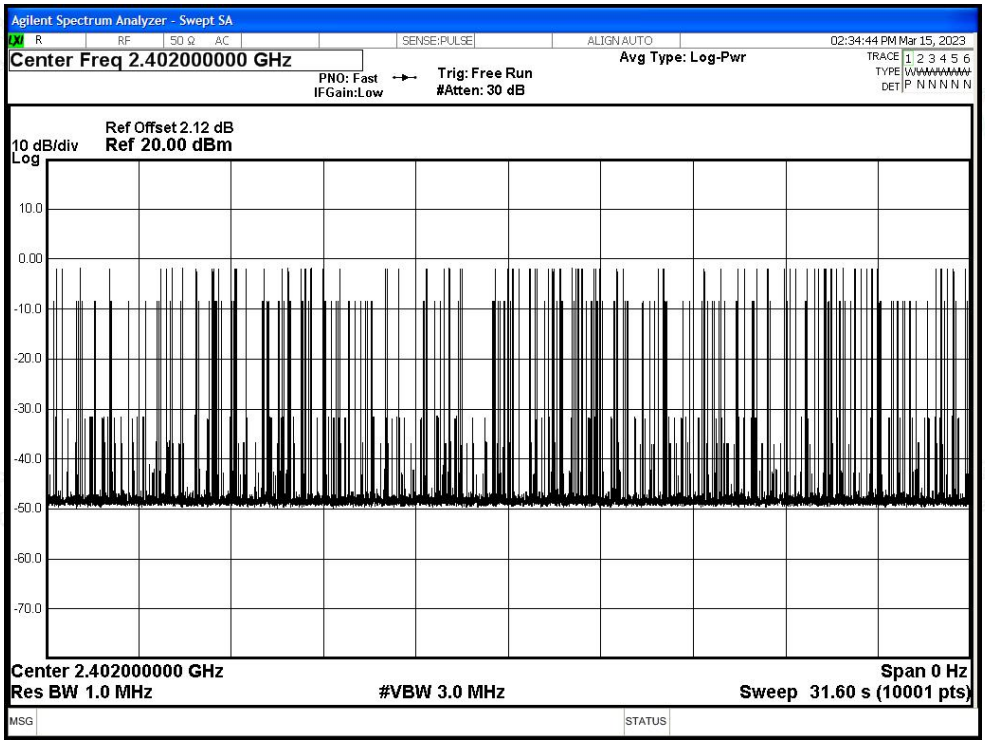
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

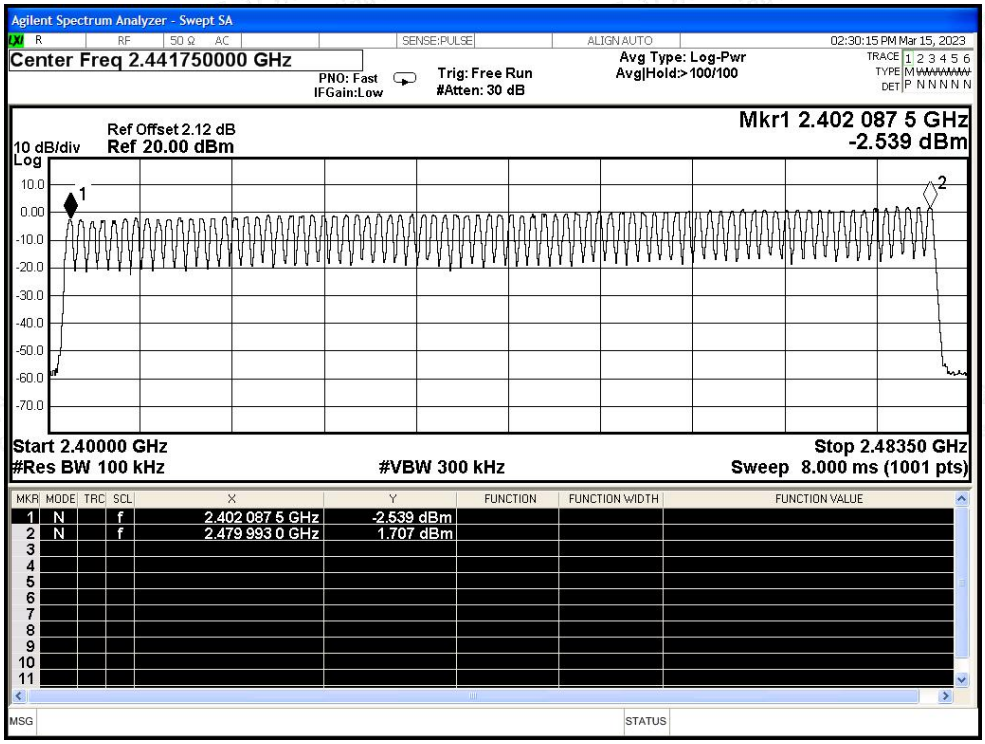


A.6 Number of Hopping Channel

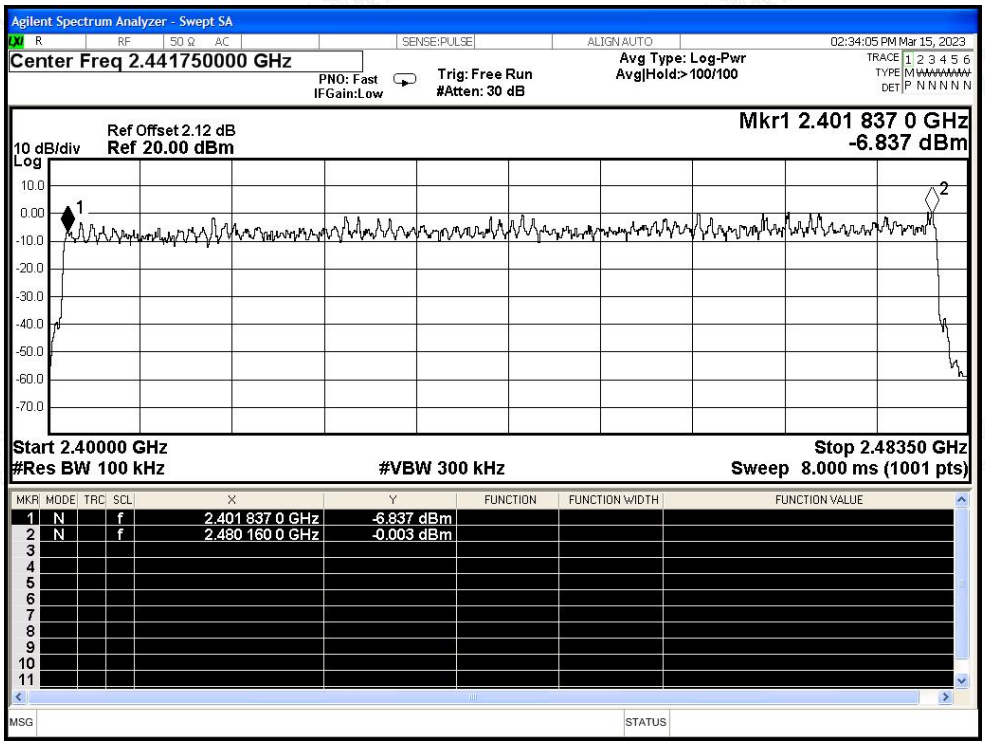
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass

Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

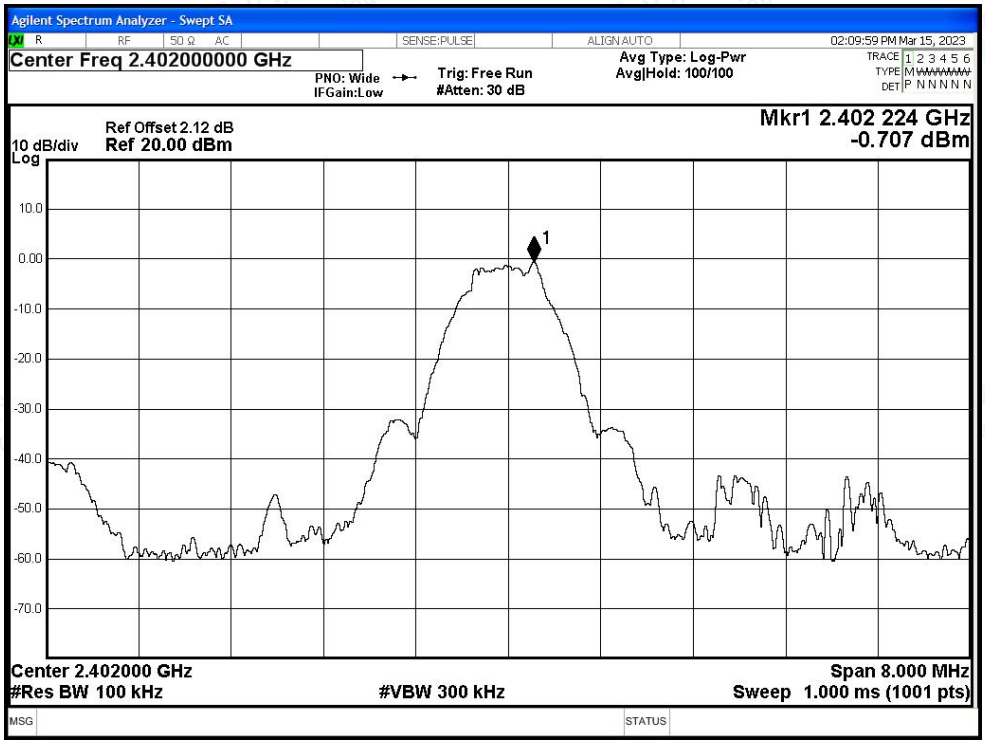


A.7 Band Edge

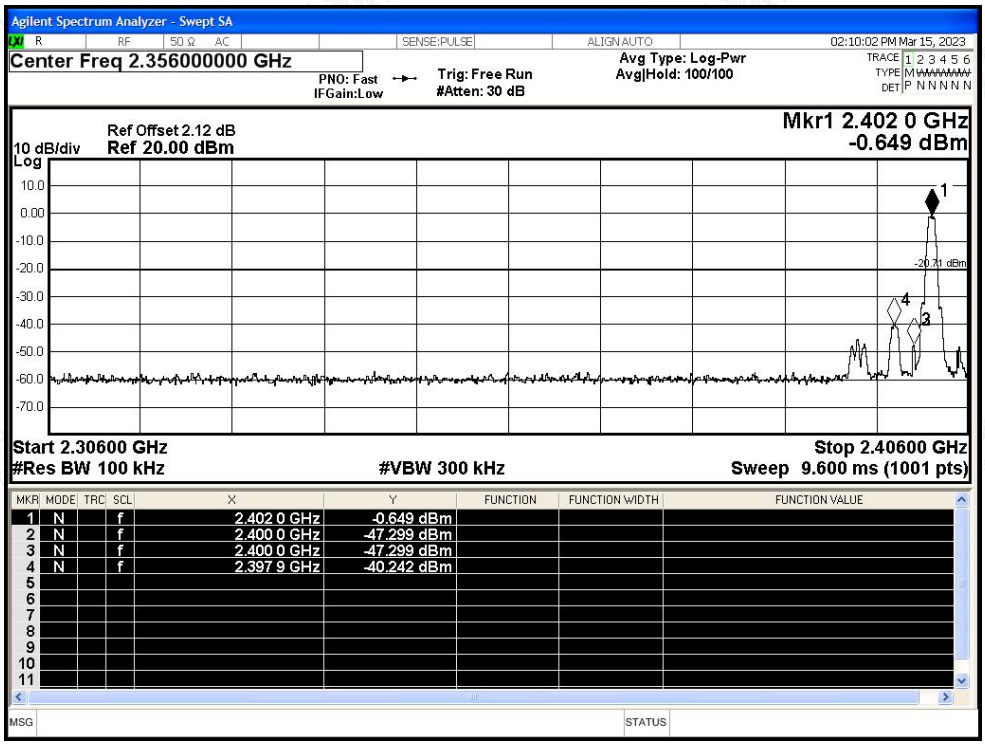
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-39.53	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.67	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-48.58	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-58.18	-20	Pass

Test Graphs

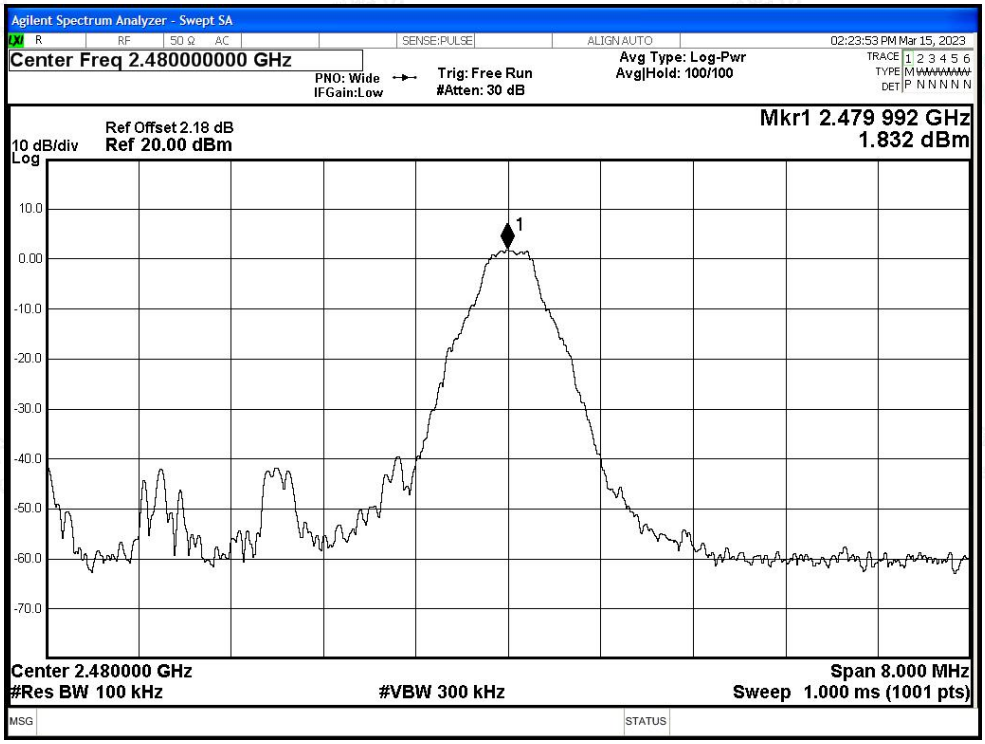
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



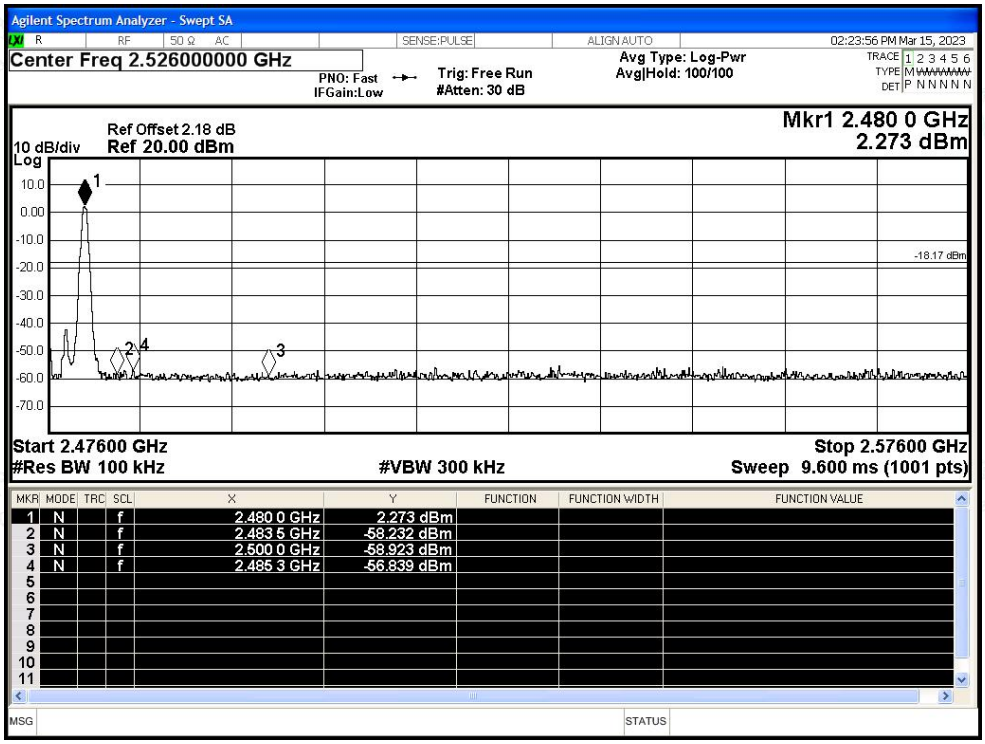
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



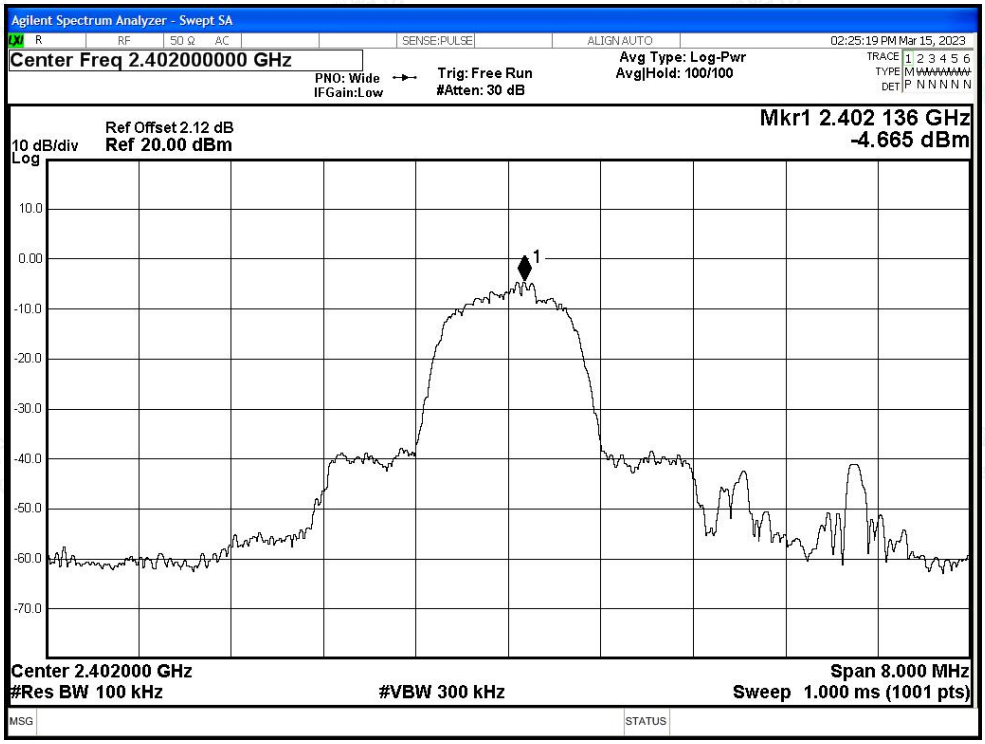
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



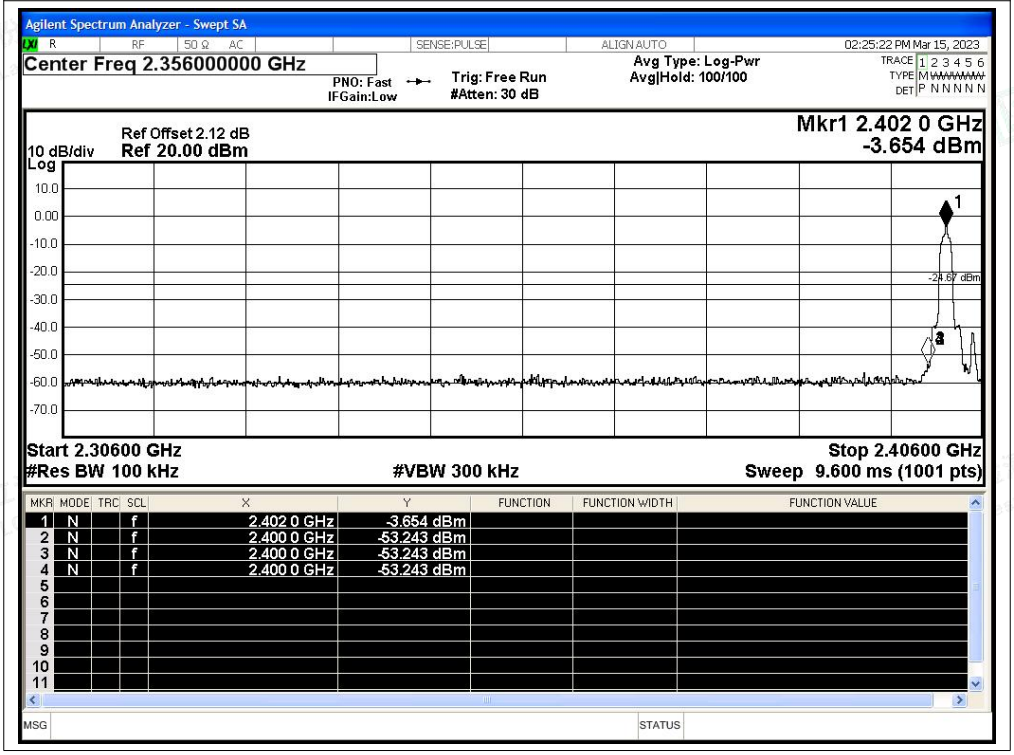
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



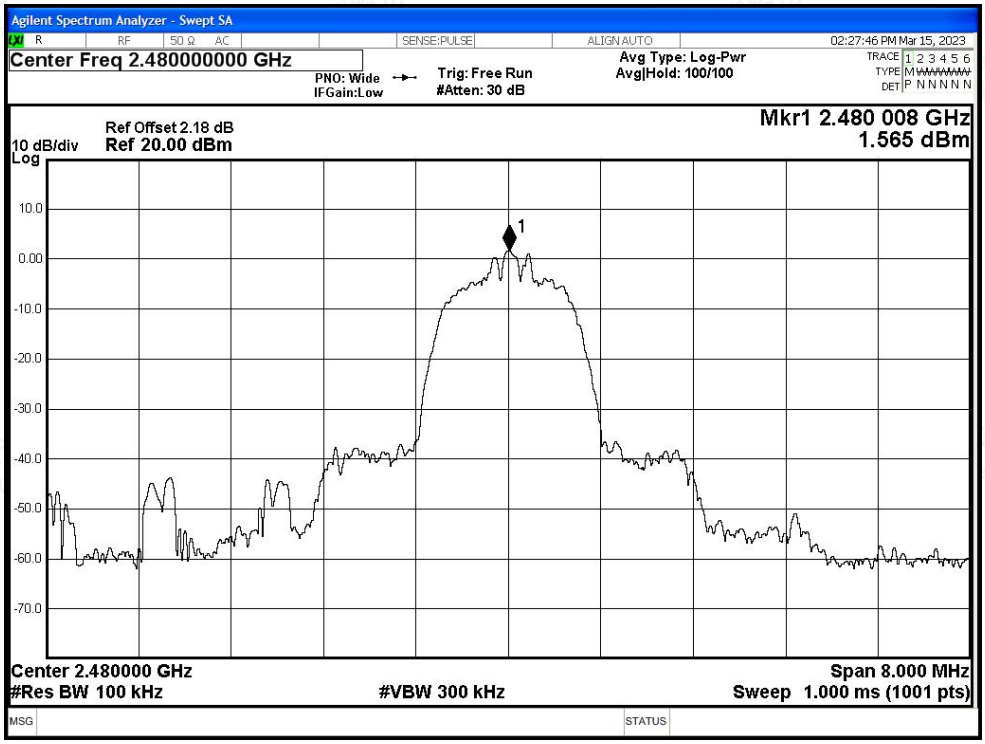
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



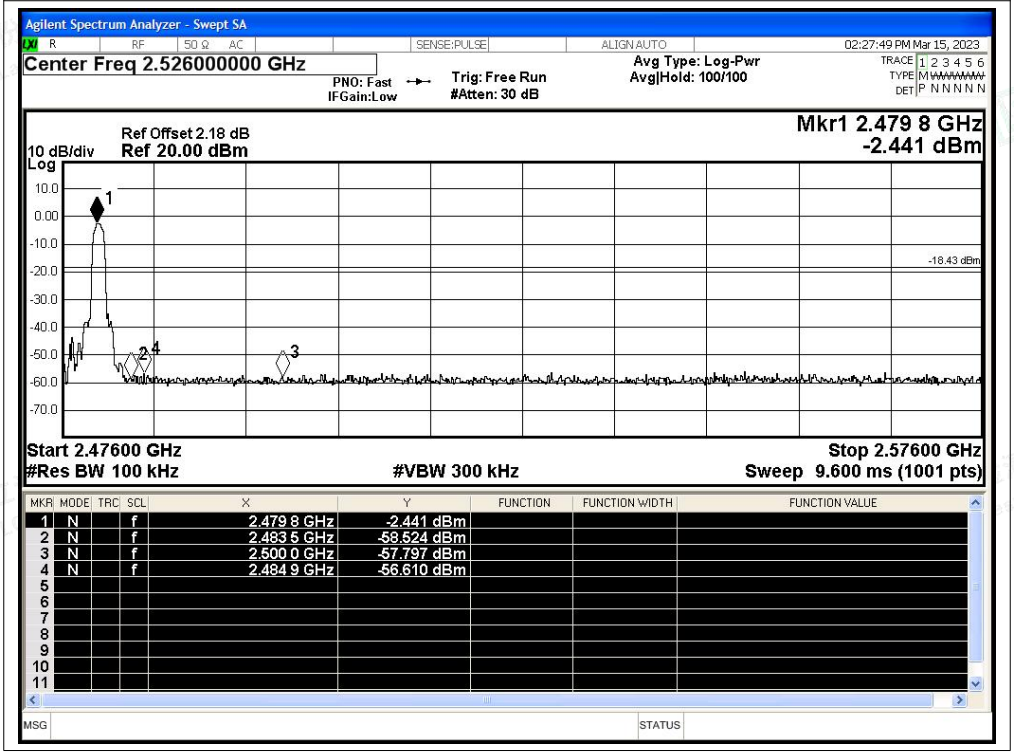
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



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



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

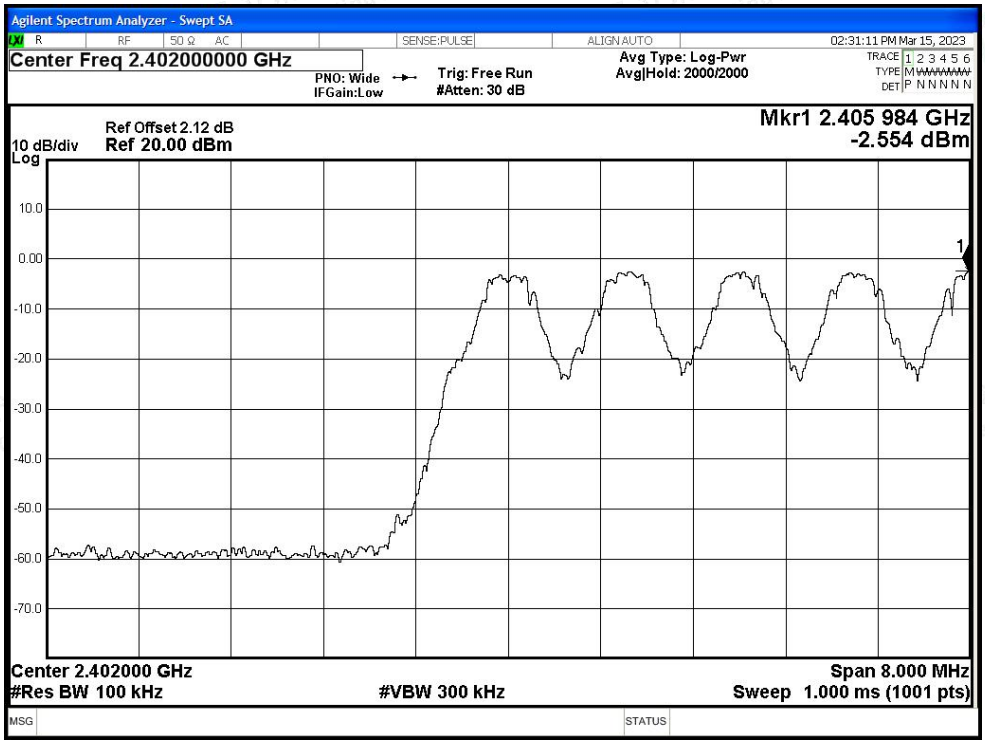


(Hopping)

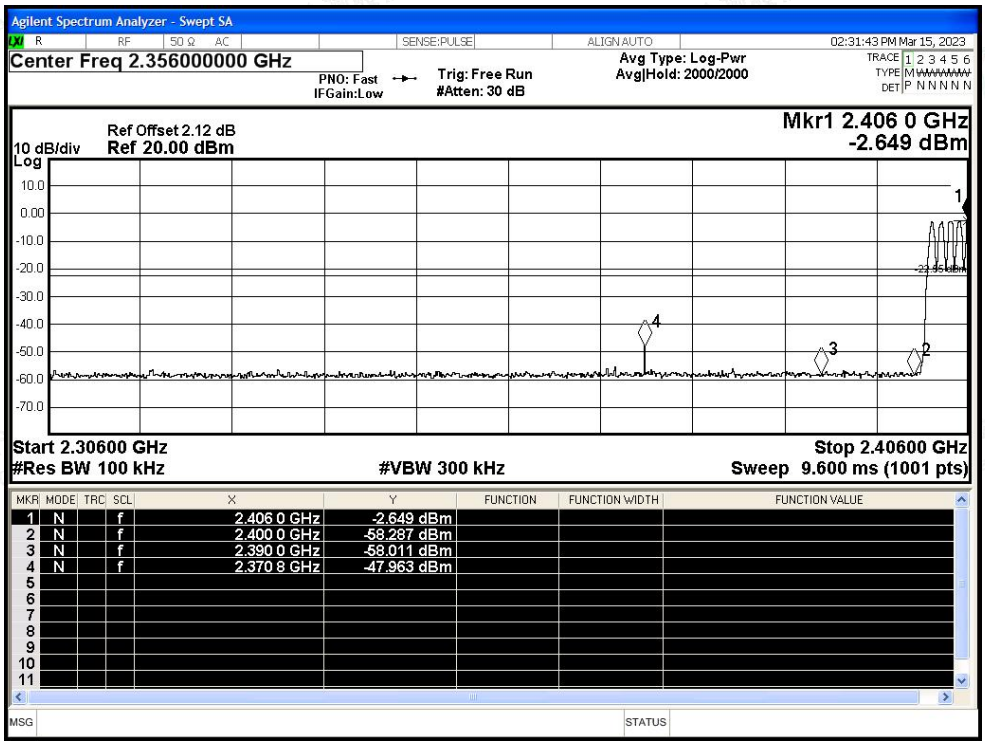
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-45.41	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.2	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.83	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-56.52	-20	Pass

Test Graphs

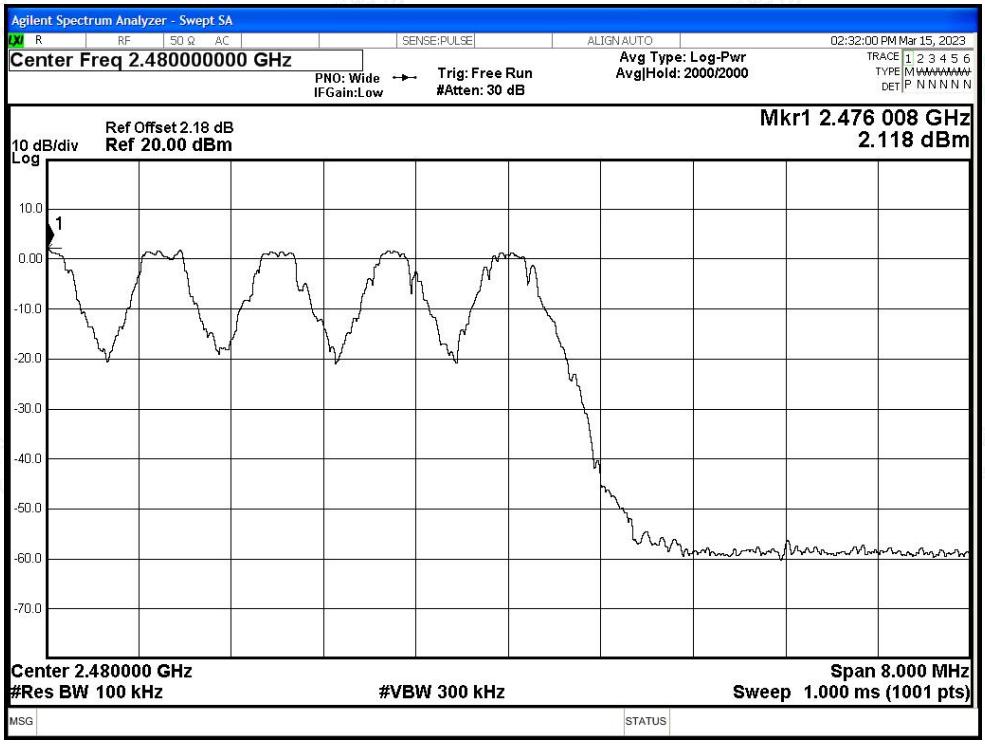
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



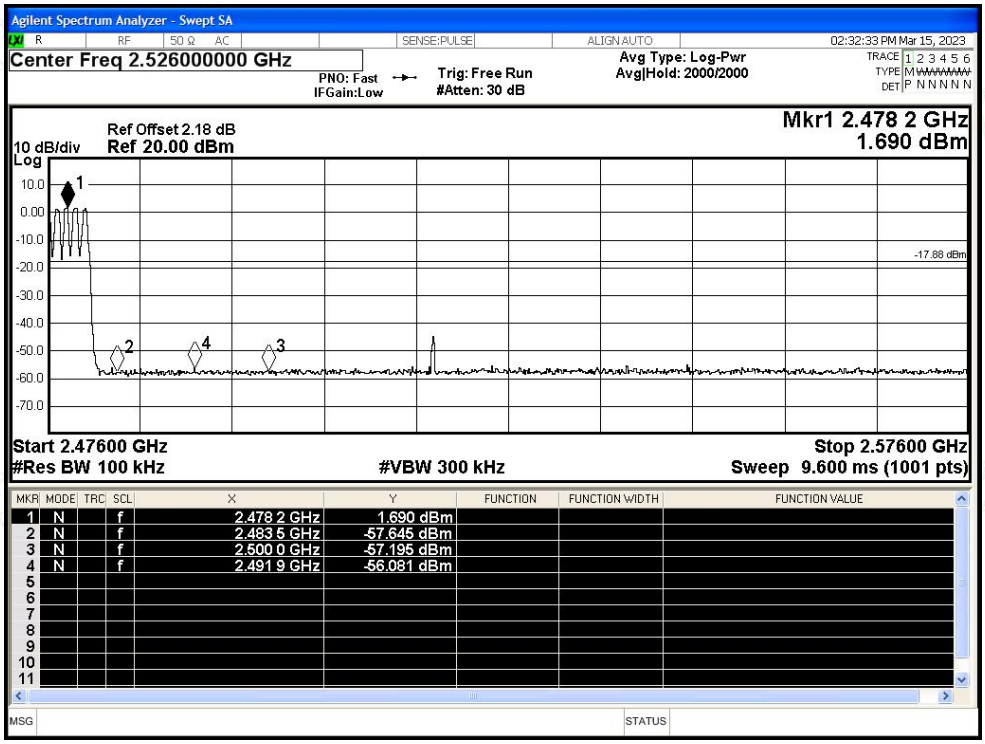
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



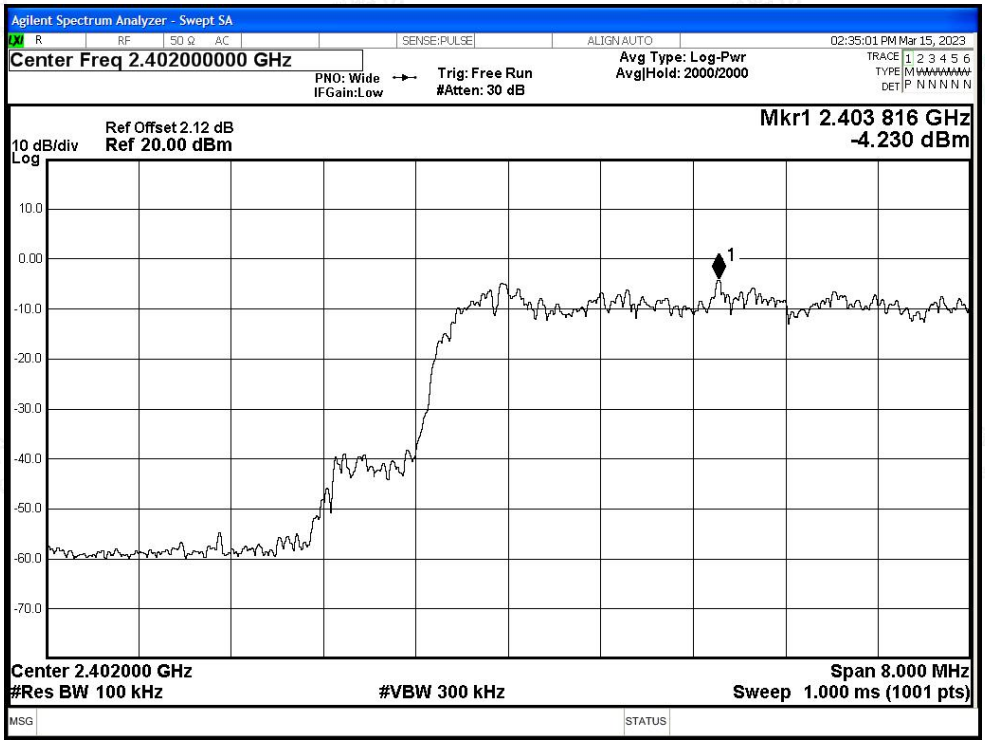
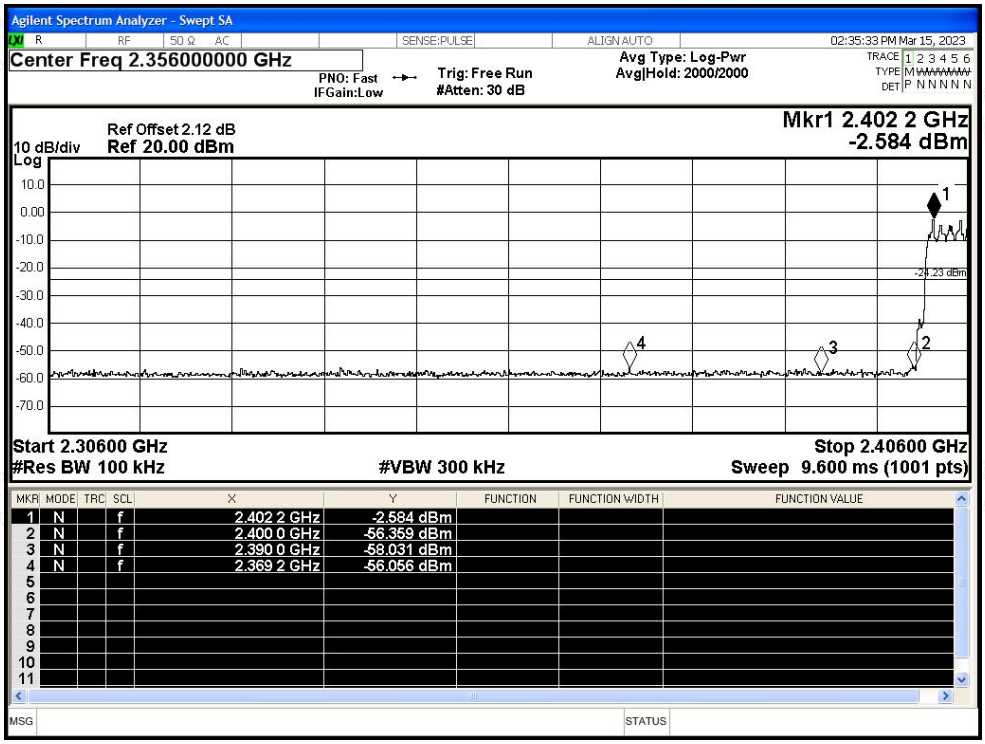
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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