



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Mibro Watch T2

Test Model: XPAW012

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Joker Hu
Supervised by:	Ling Zhu



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A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.015	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.969	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.032	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.282	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.287	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.278	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.306	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.3	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.283	N/A	Pass

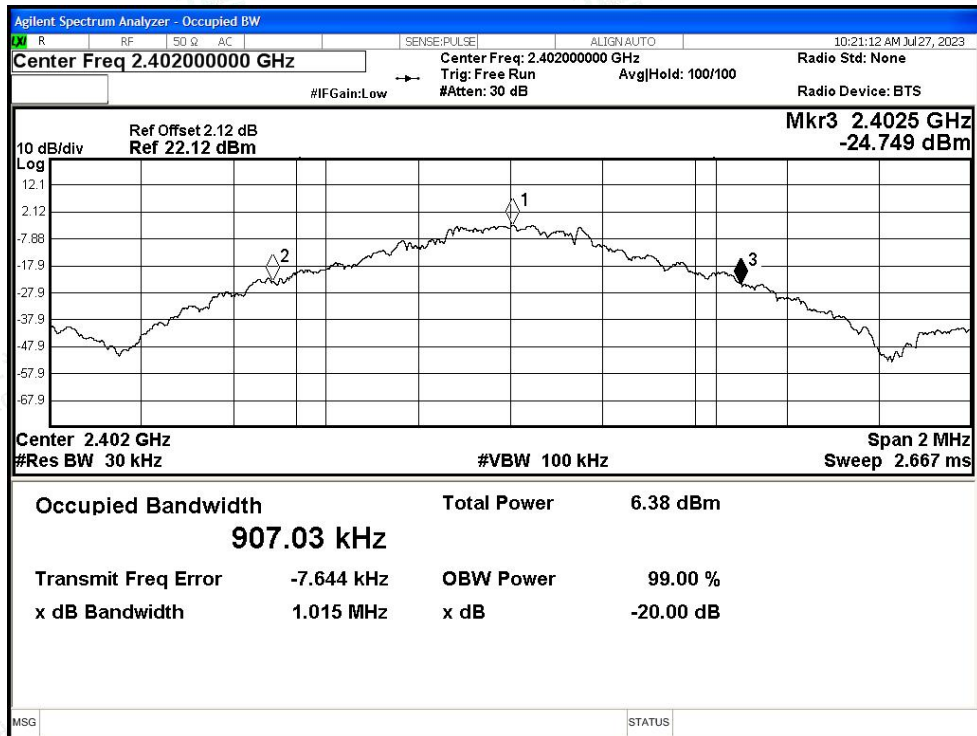


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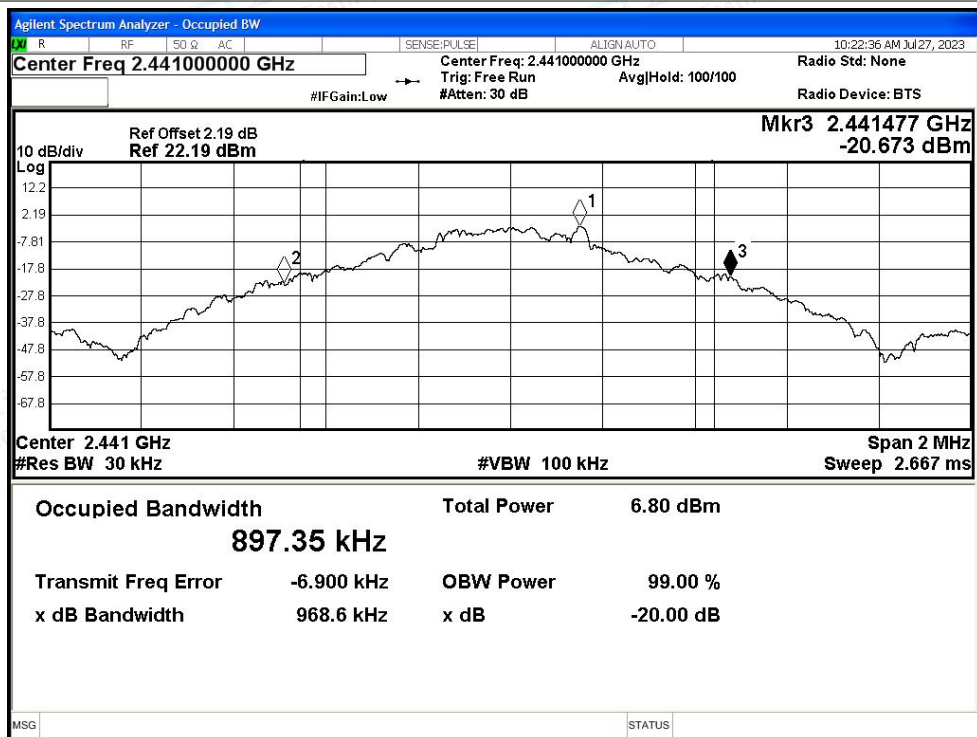


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

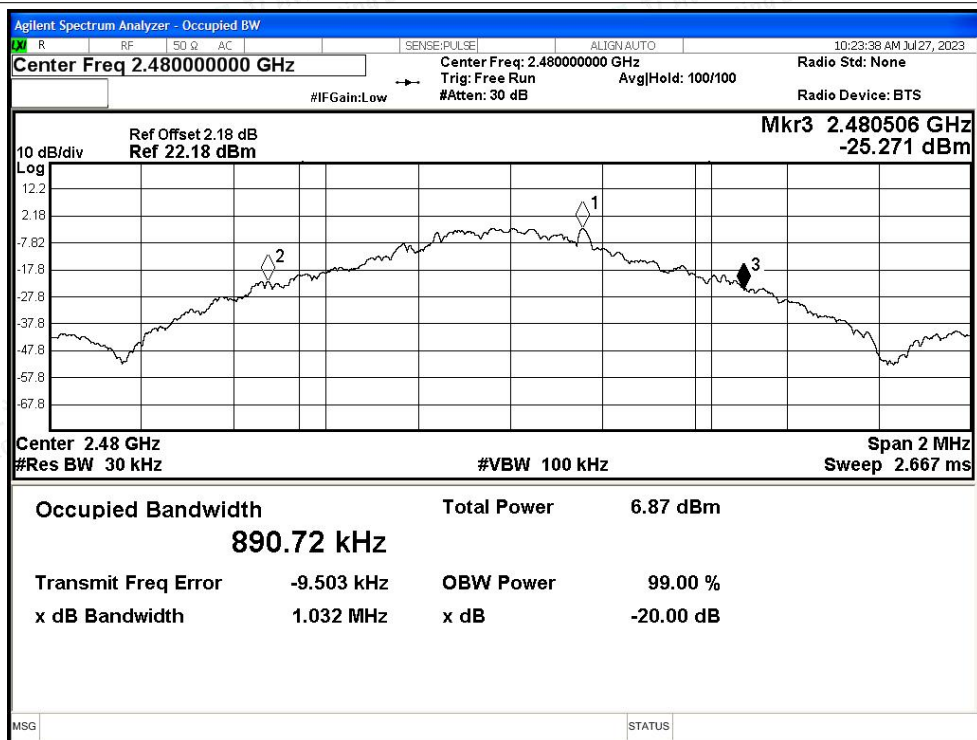


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

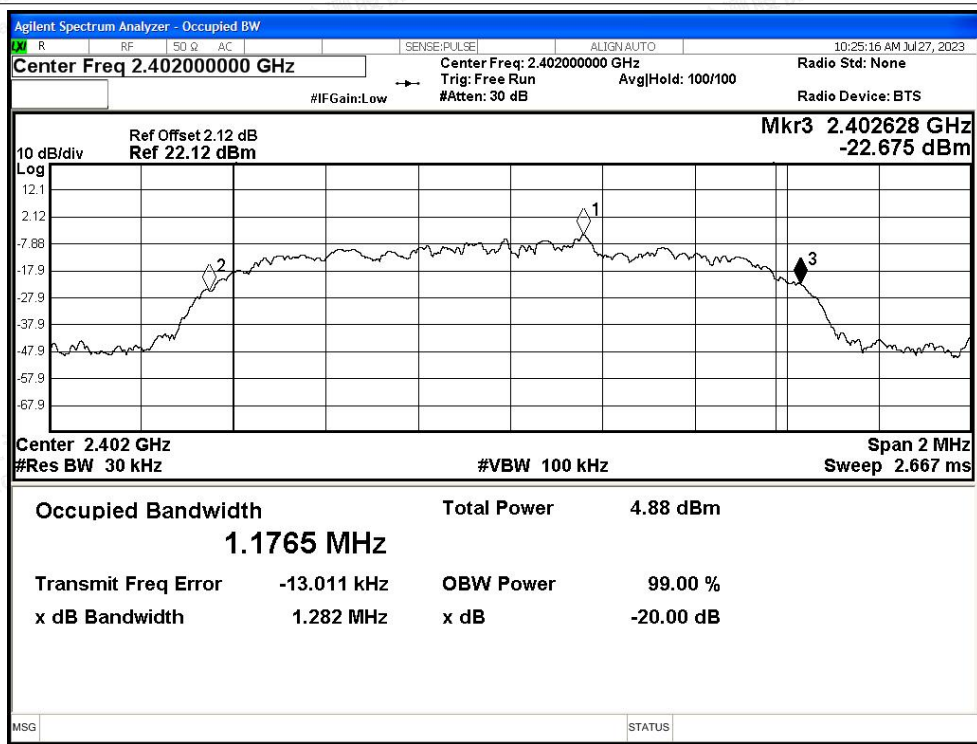




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

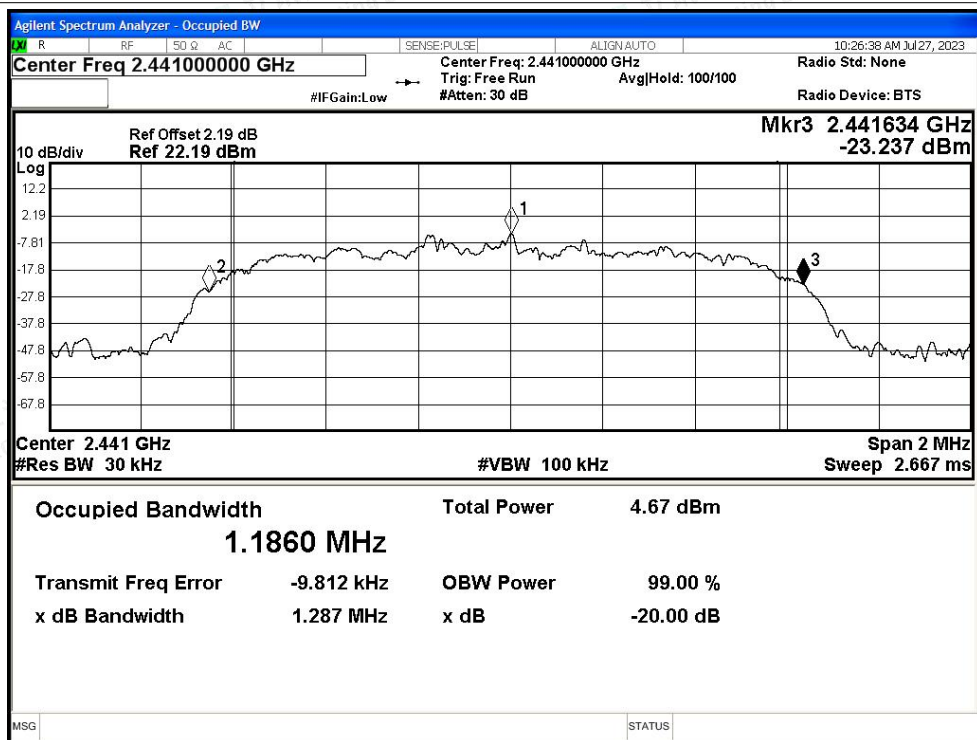


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

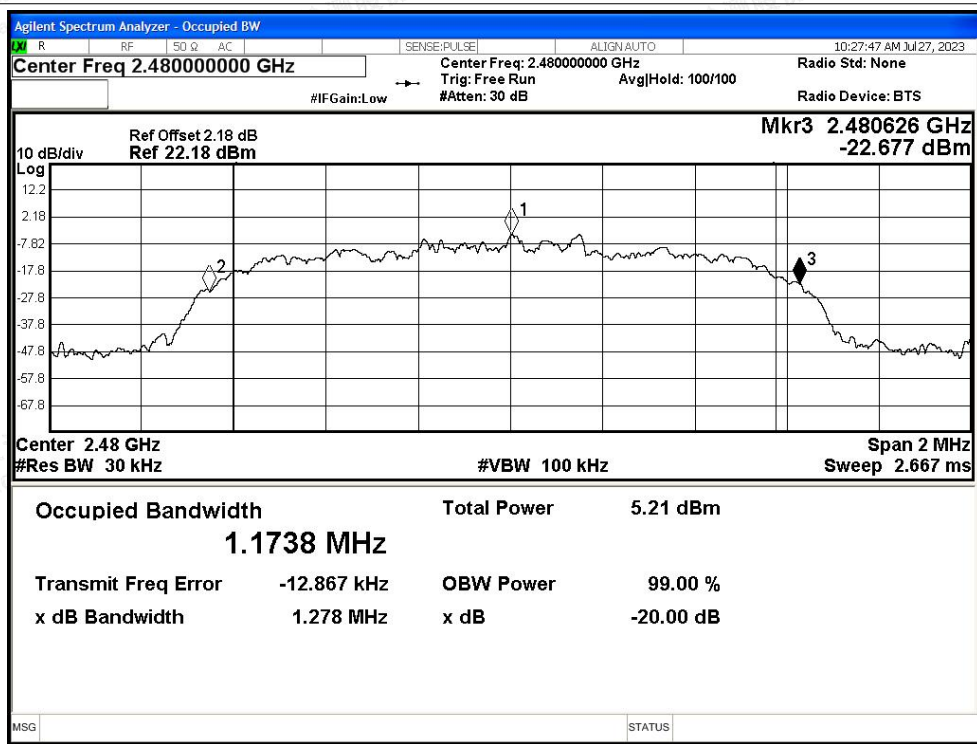




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

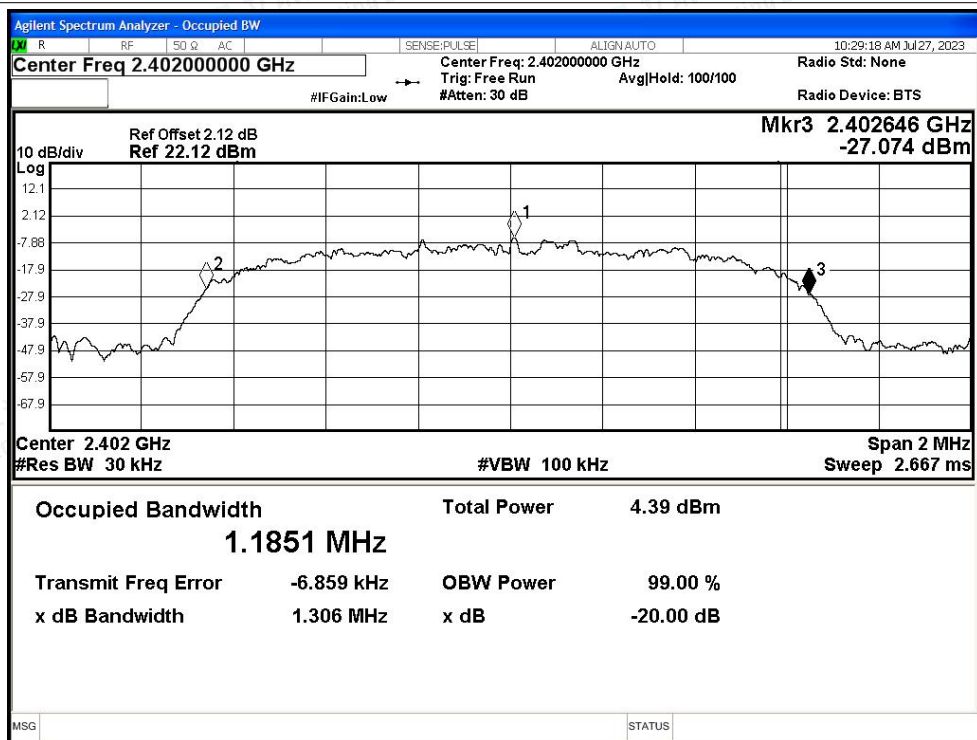


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

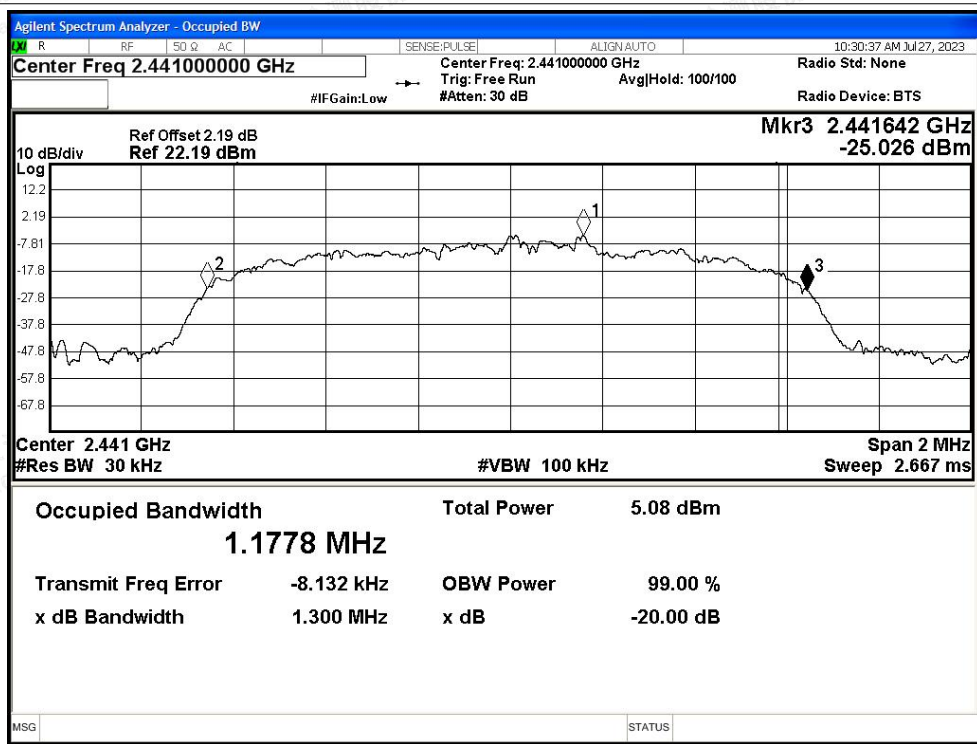


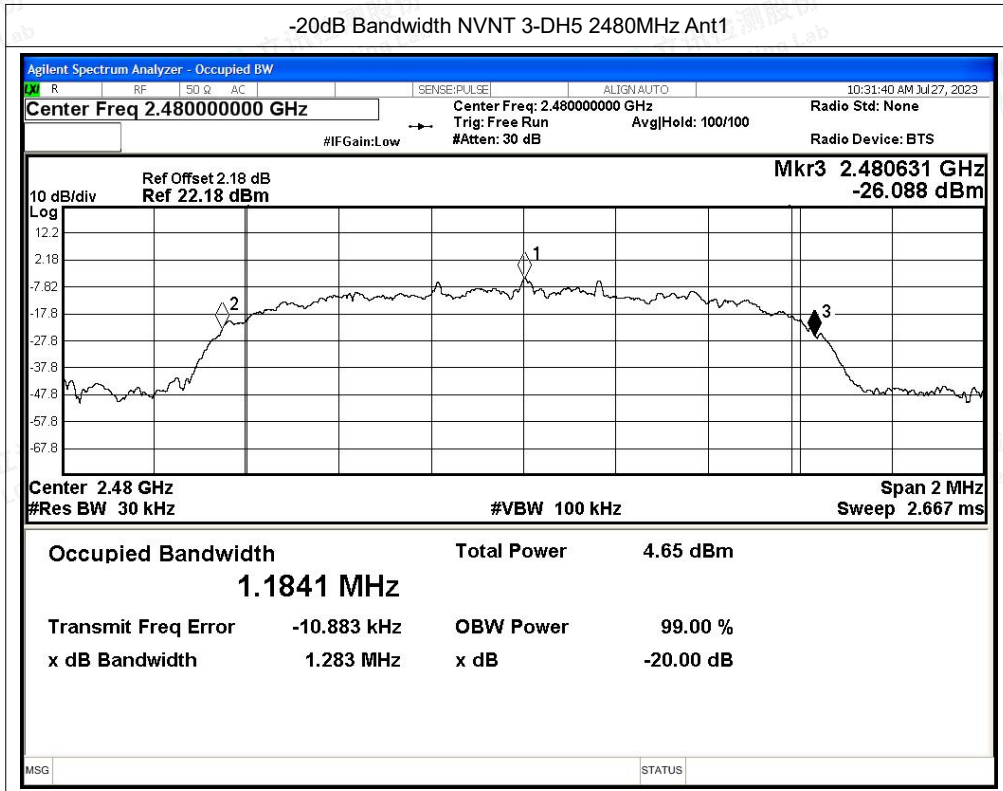


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum Conducted Output Power

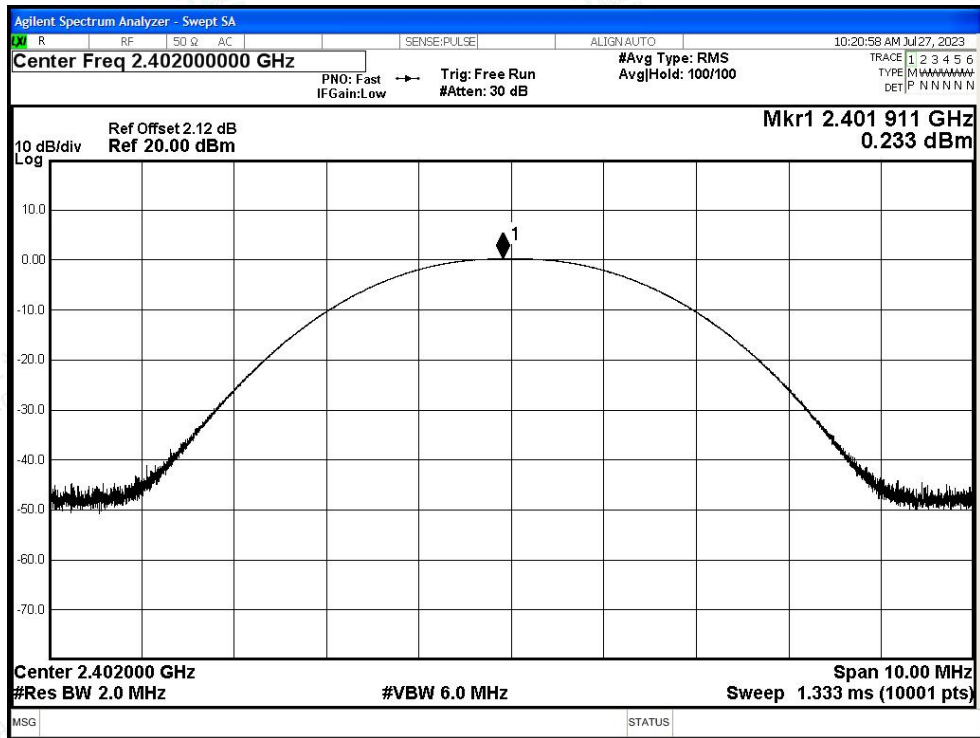
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.23	21	Pass
NVNT	1-DH5	2441	Ant1	0.44	21	Pass
NVNT	1-DH5	2480	Ant1	0.44	21	Pass
NVNT	2-DH5	2402	Ant1	0.10	21	Pass
NVNT	2-DH5	2441	Ant1	0.29	21	Pass
NVNT	2-DH5	2480	Ant1	0.31	21	Pass
NVNT	3-DH5	2402	Ant1	0.23	21	Pass
NVNT	3-DH5	2441	Ant1	0.43	21	Pass
NVNT	3-DH5	2480	Ant1	0.43	21	Pass



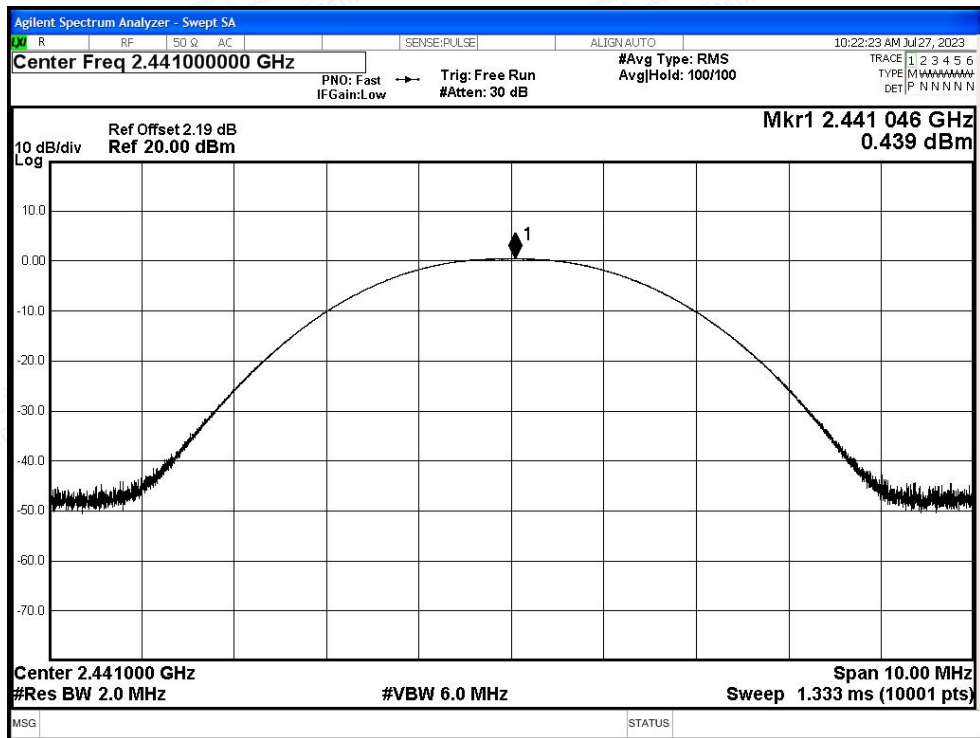


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

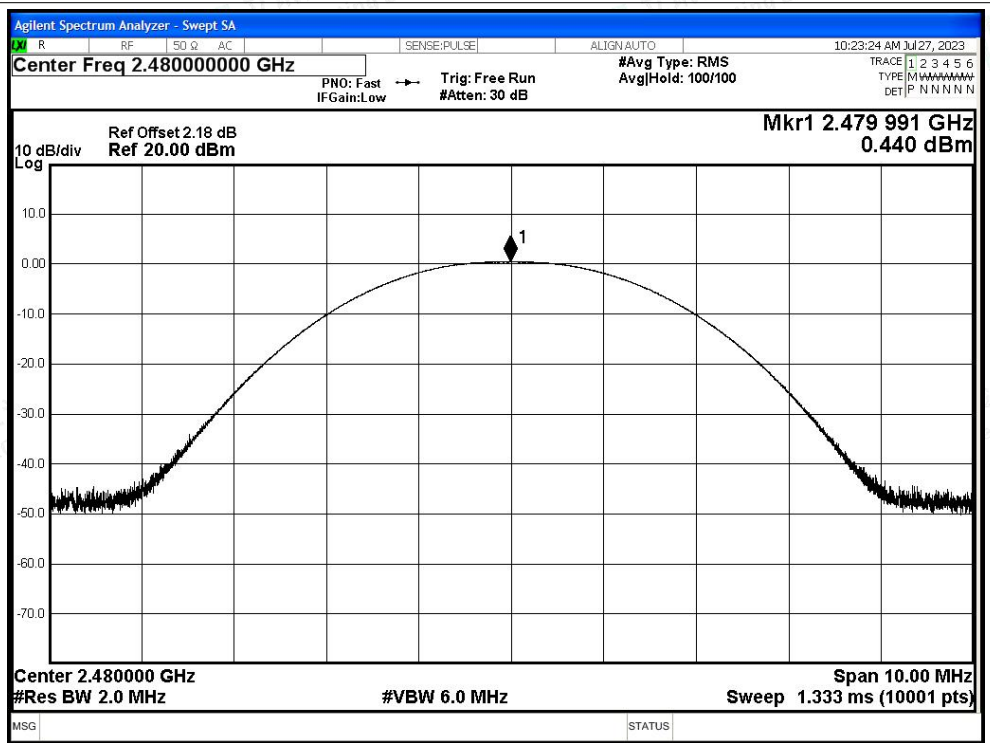


Power NVNT 1-DH5 2441MHz Ant1

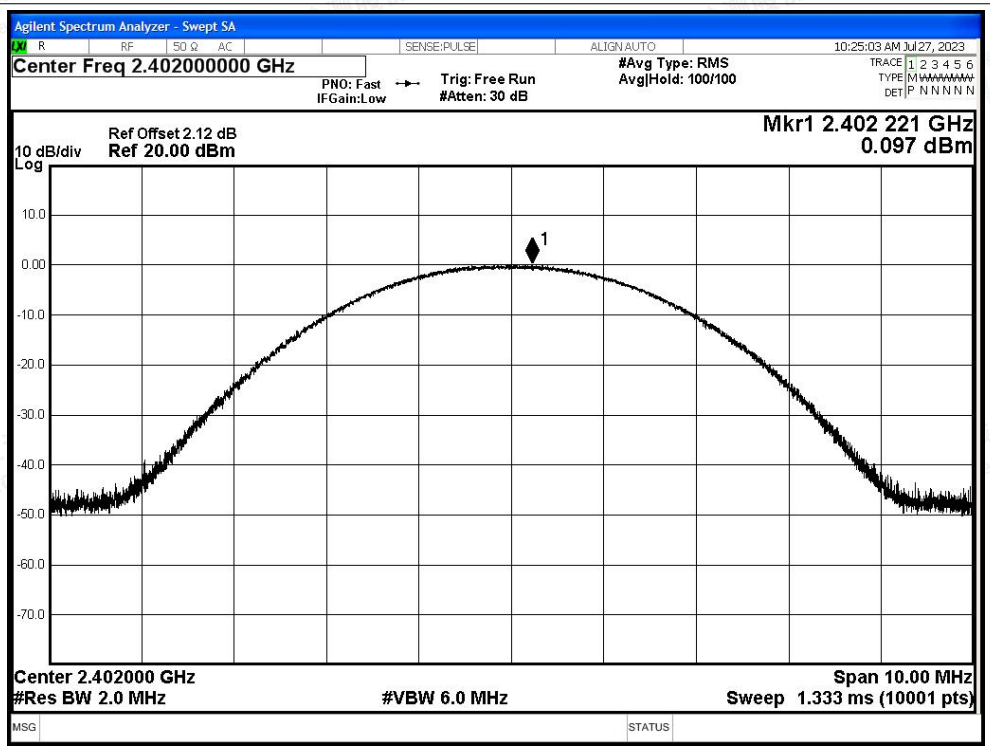




Power NVNT 1-DH5 2480MHz Ant1

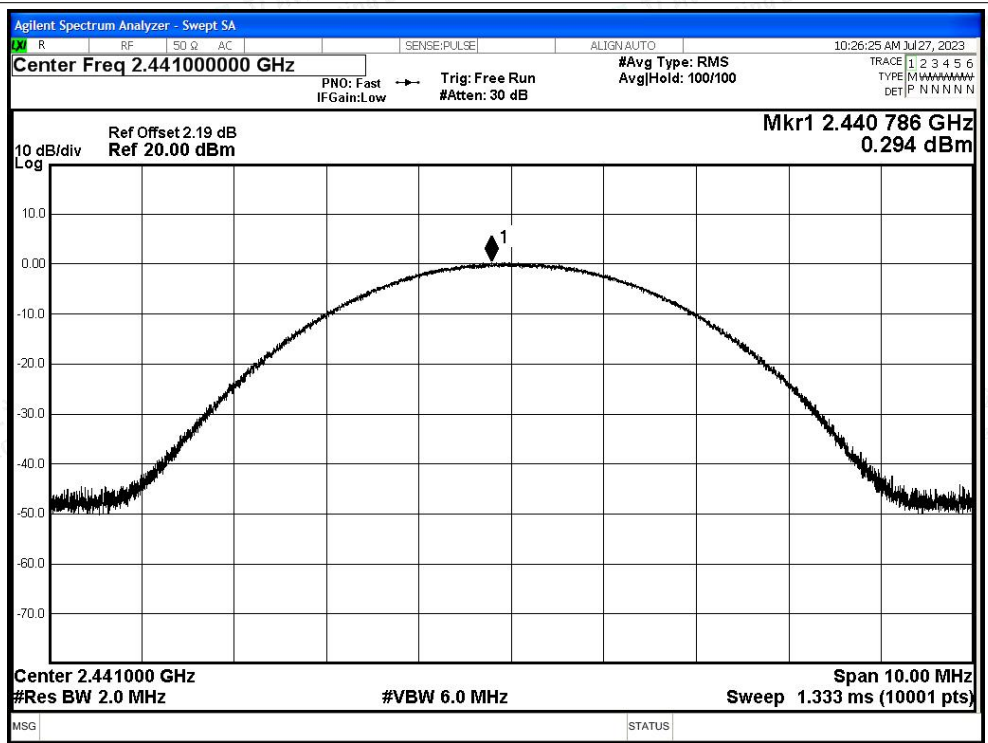


Power NVNT 2-DH5 2402MHz Ant1

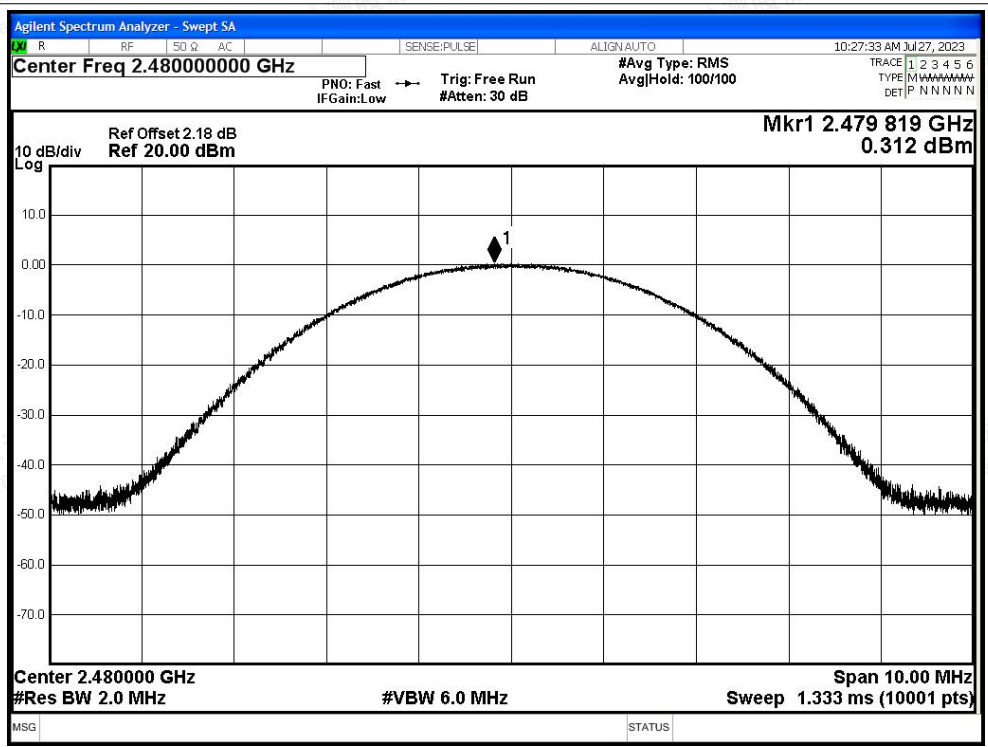




Power NVNT 2-DH5 2441MHz Ant1

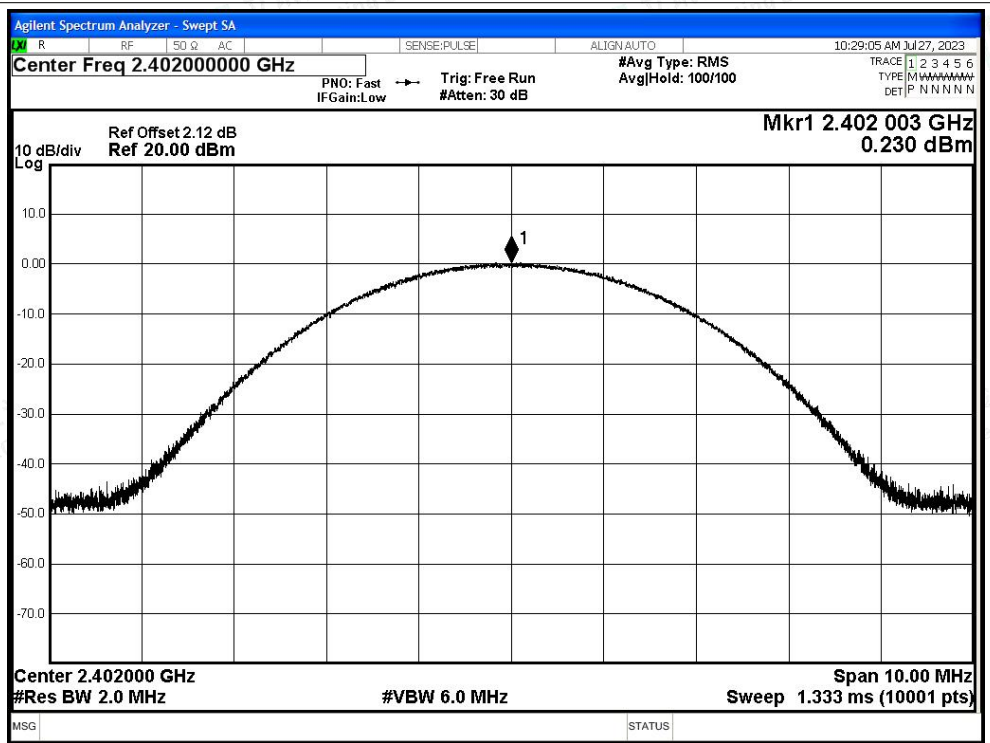


Power NVNT 2-DH5 2480MHz Ant1

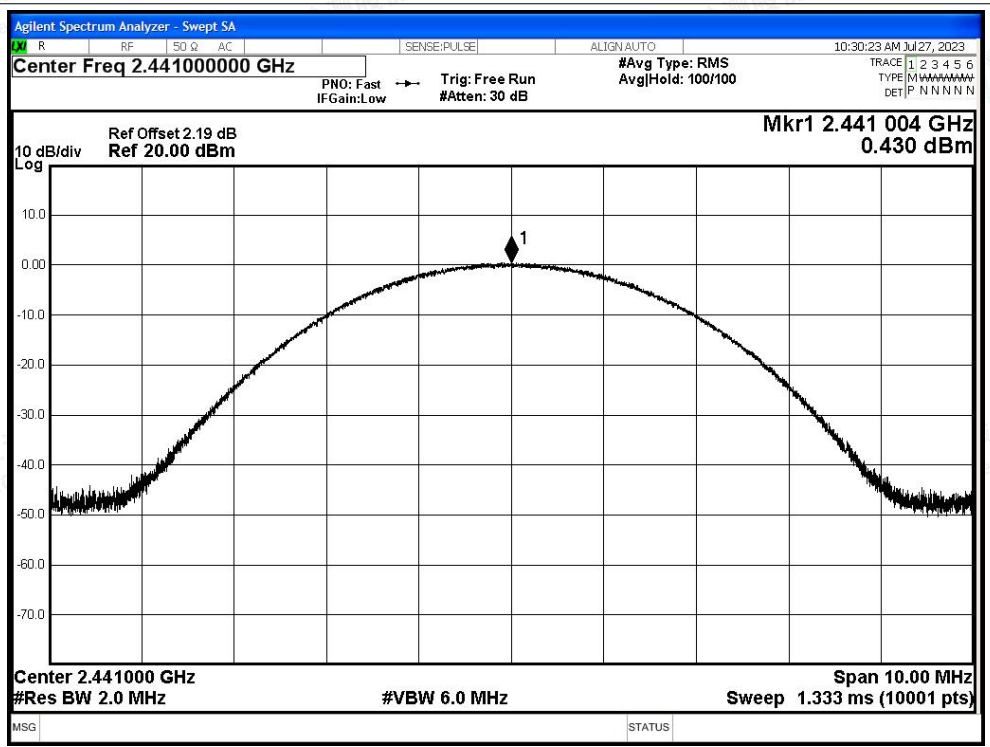


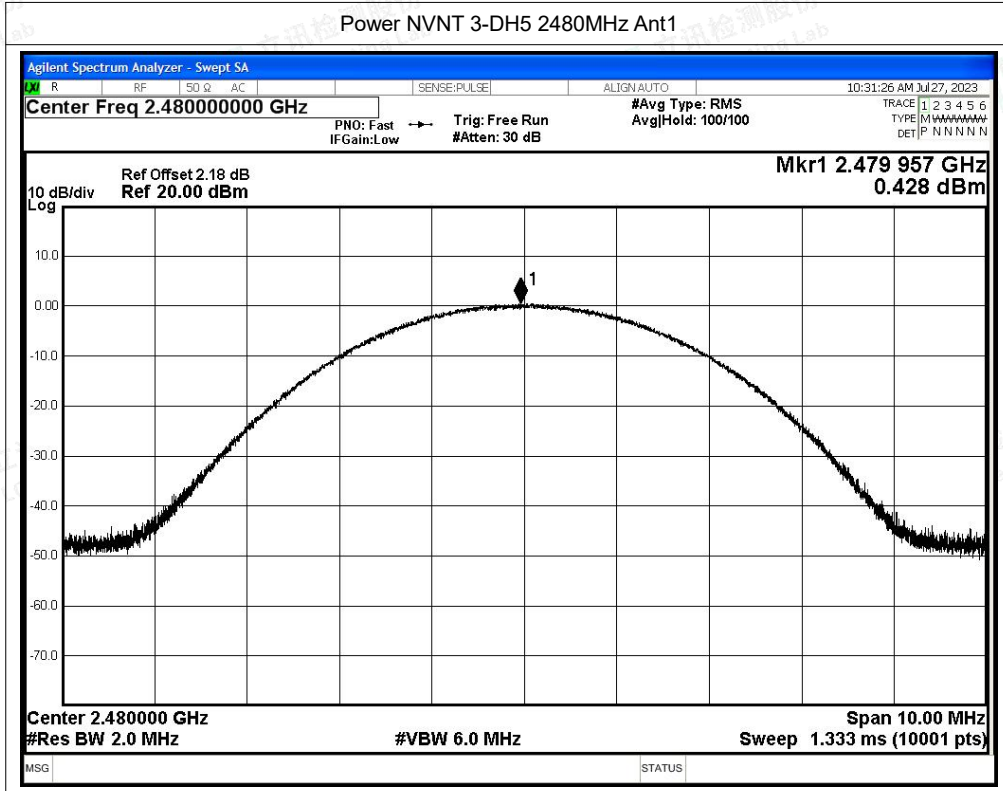


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1





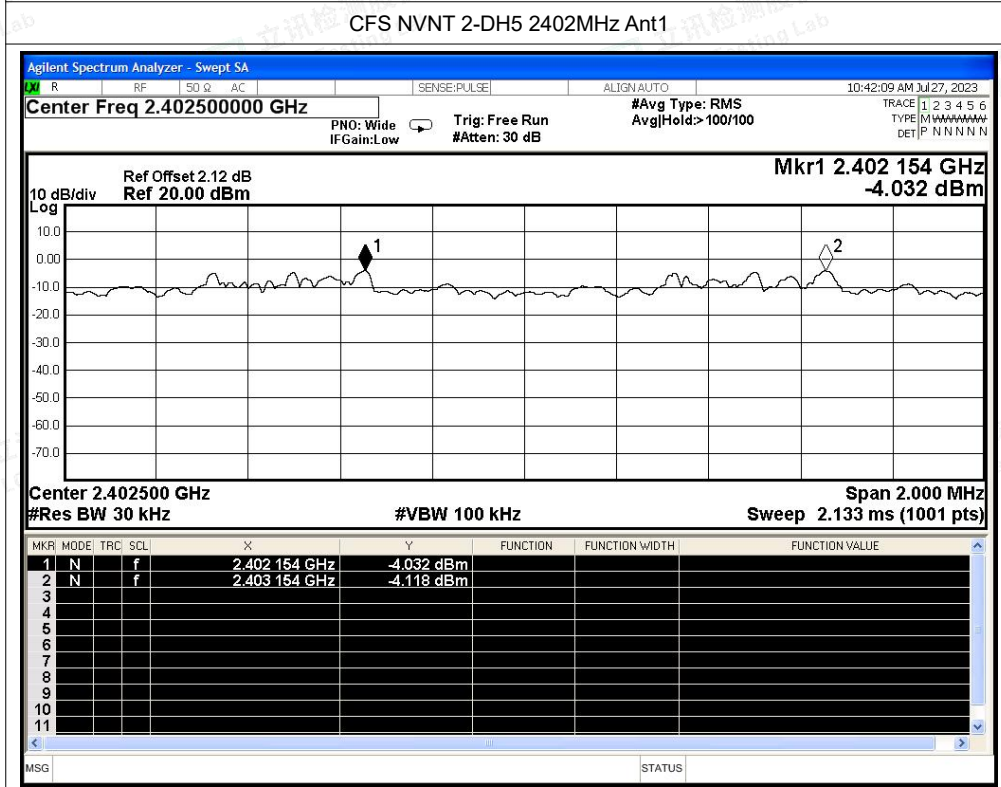
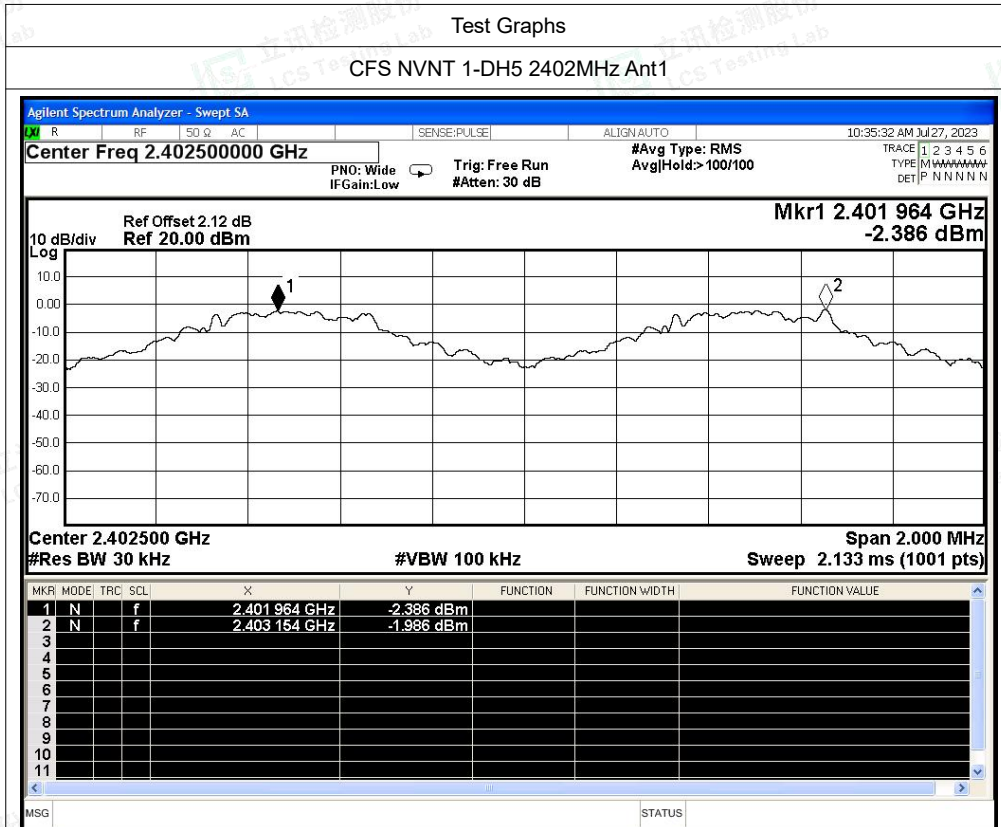


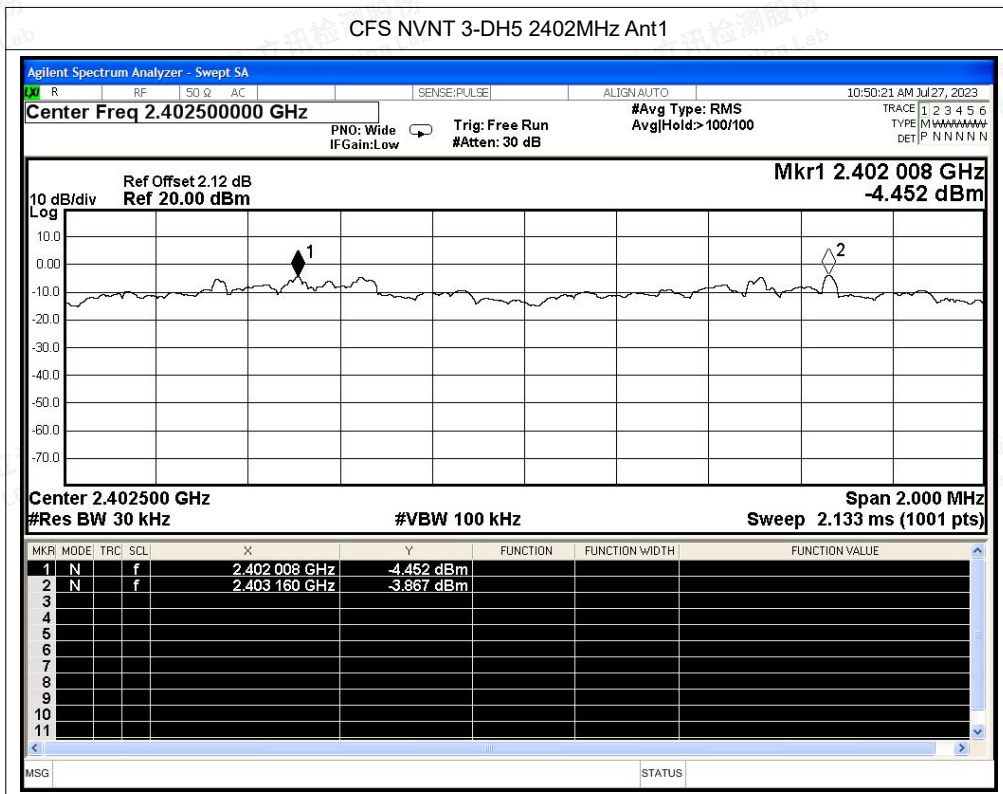
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.964	2403.154	1.19	0.688	Pass
NVNT	2-DH5	Ant1	2402.154	2403.154	1	0.858	Pass
NVNT	3-DH5	Ant1	2402.008	2403.16	1.152	0.871	Pass



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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	2.881	299.624	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.881	293.862	102	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	297.258	103	31600	400	Pass

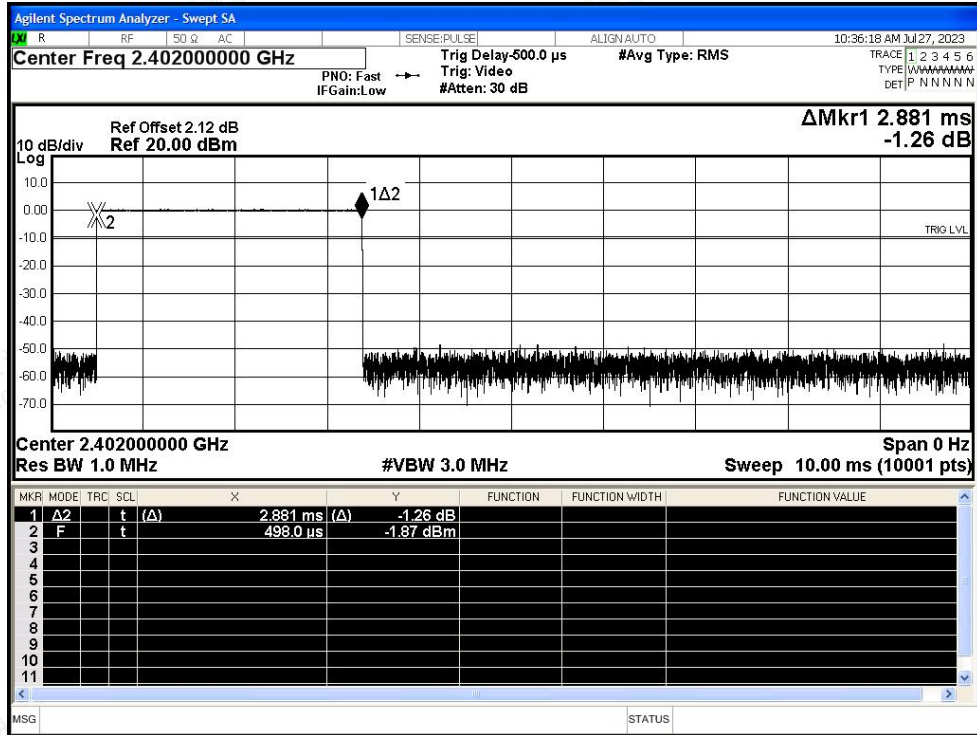


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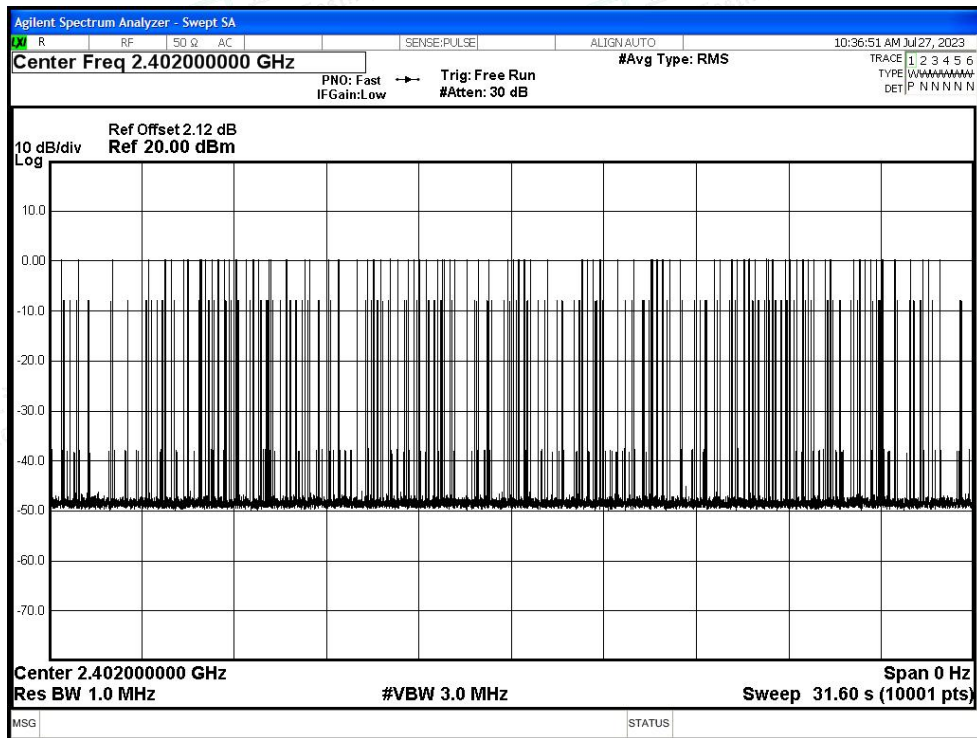


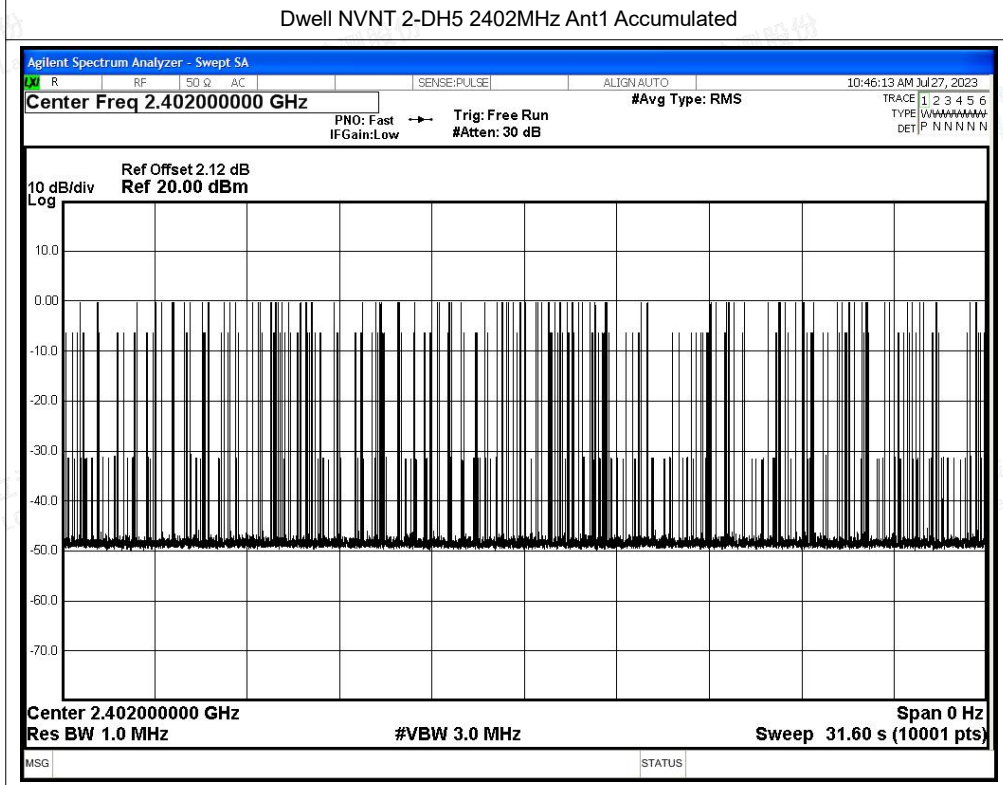
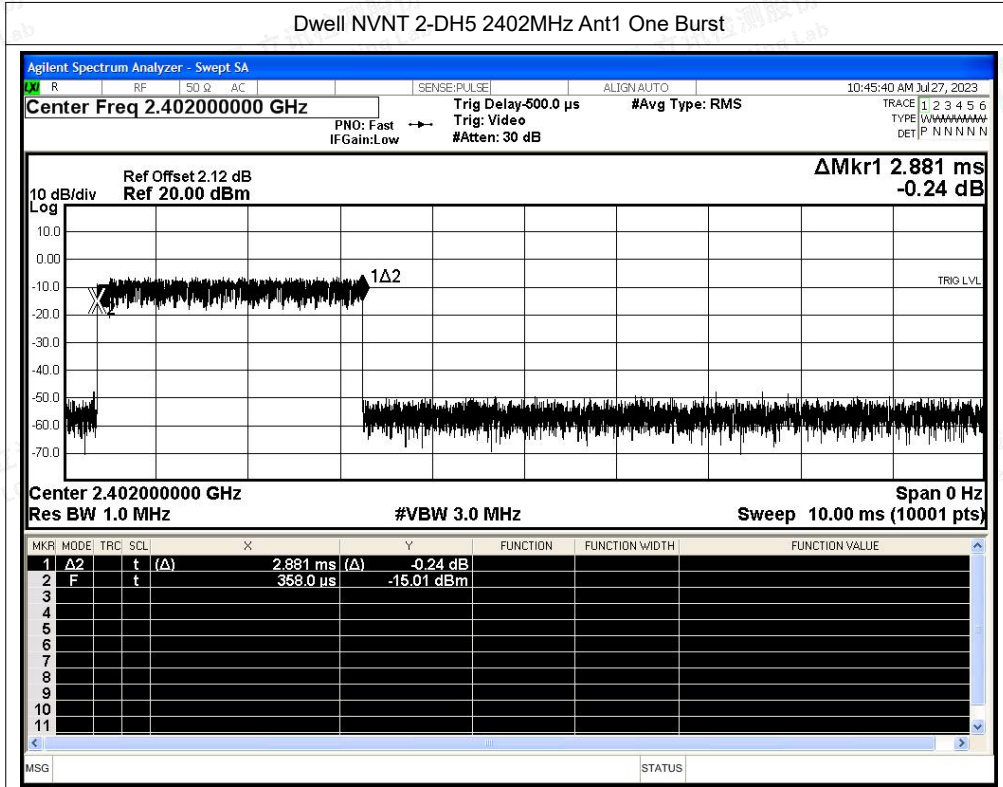
Test Graphs

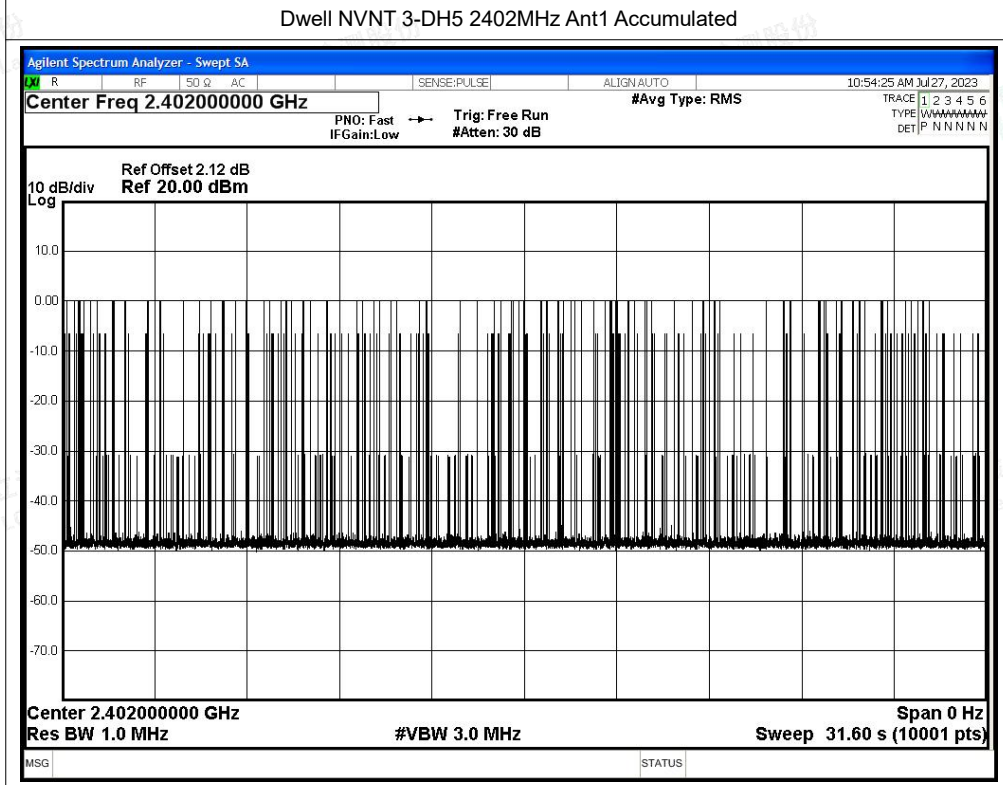
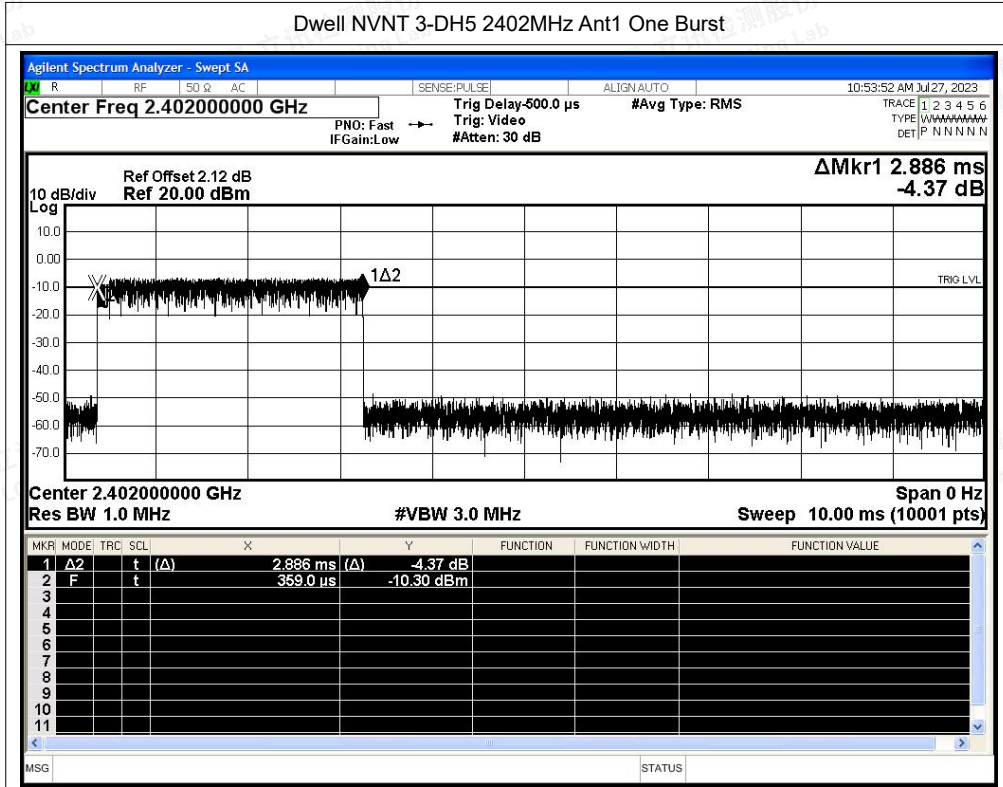
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-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

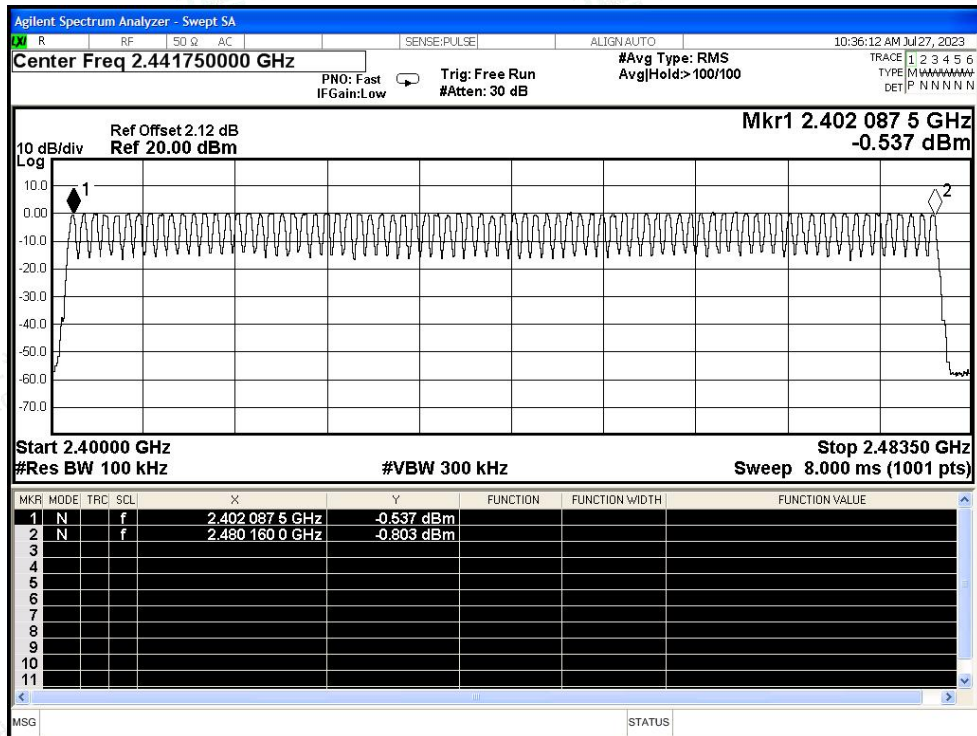


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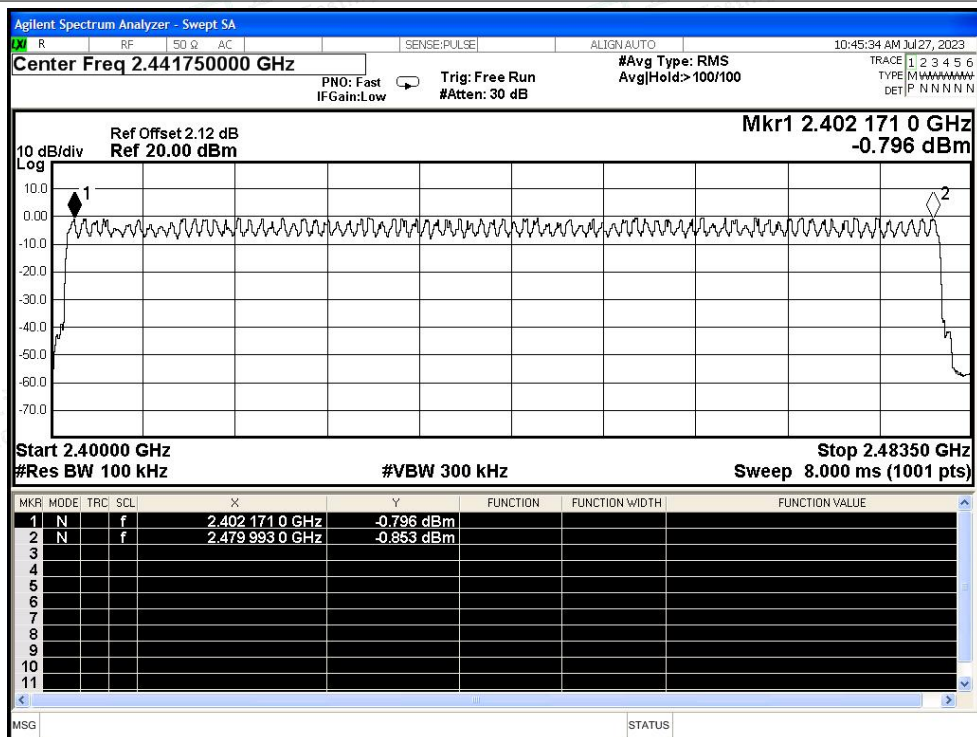


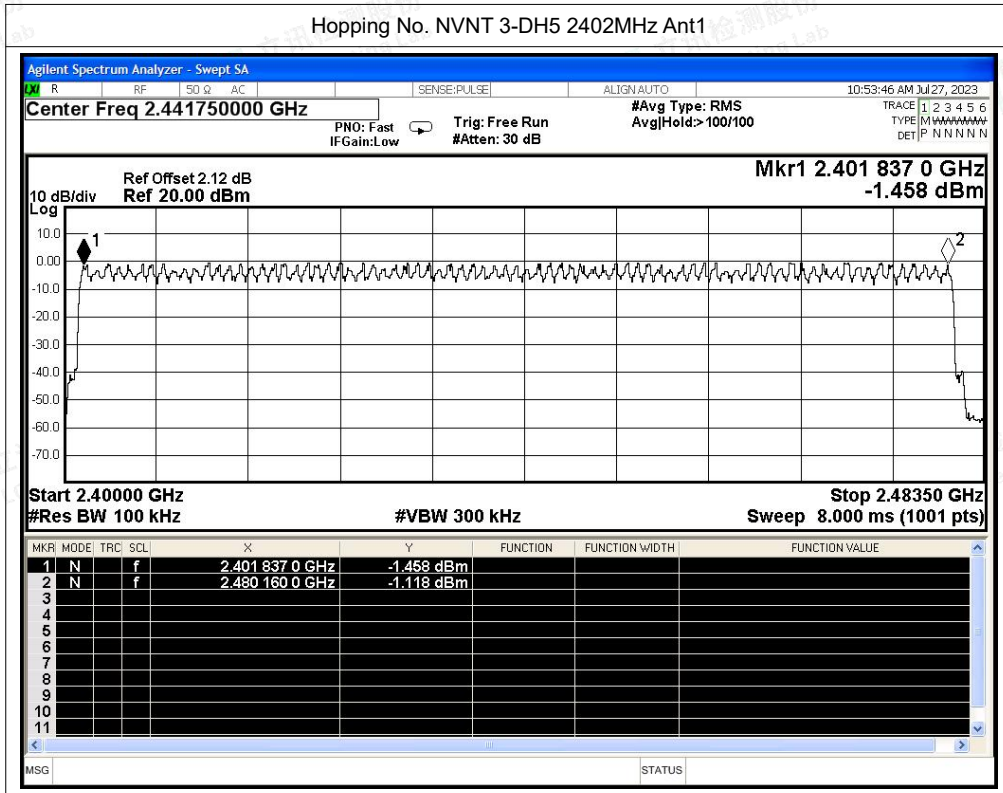
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-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	-56.43	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.3	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.52	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.71	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.45	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.67	-20	Pass

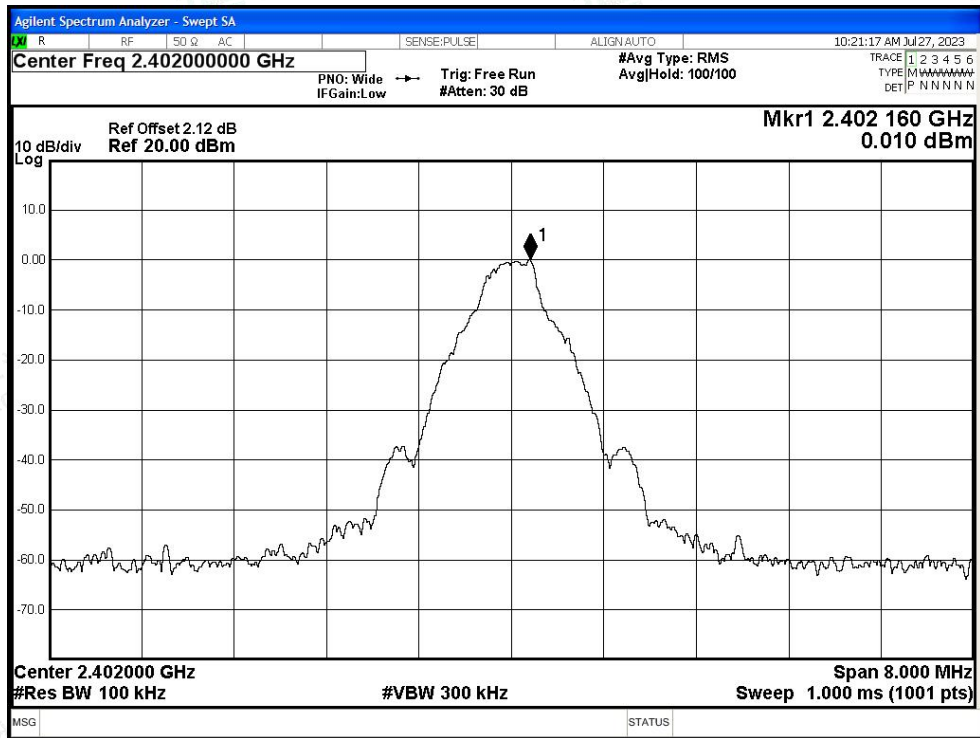


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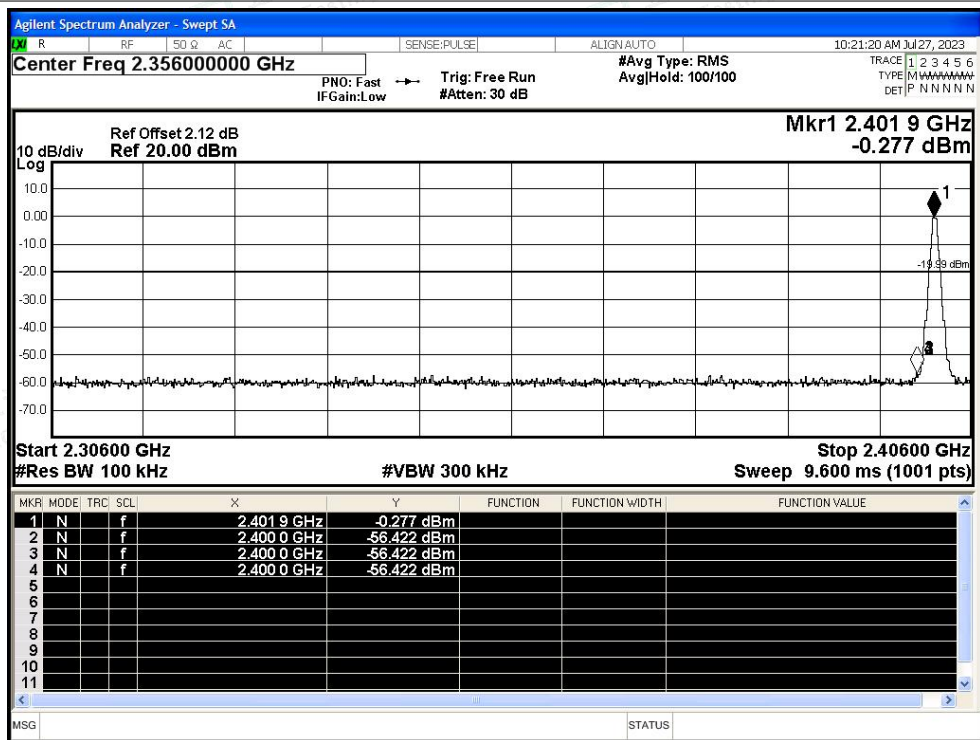


Test Graphs

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

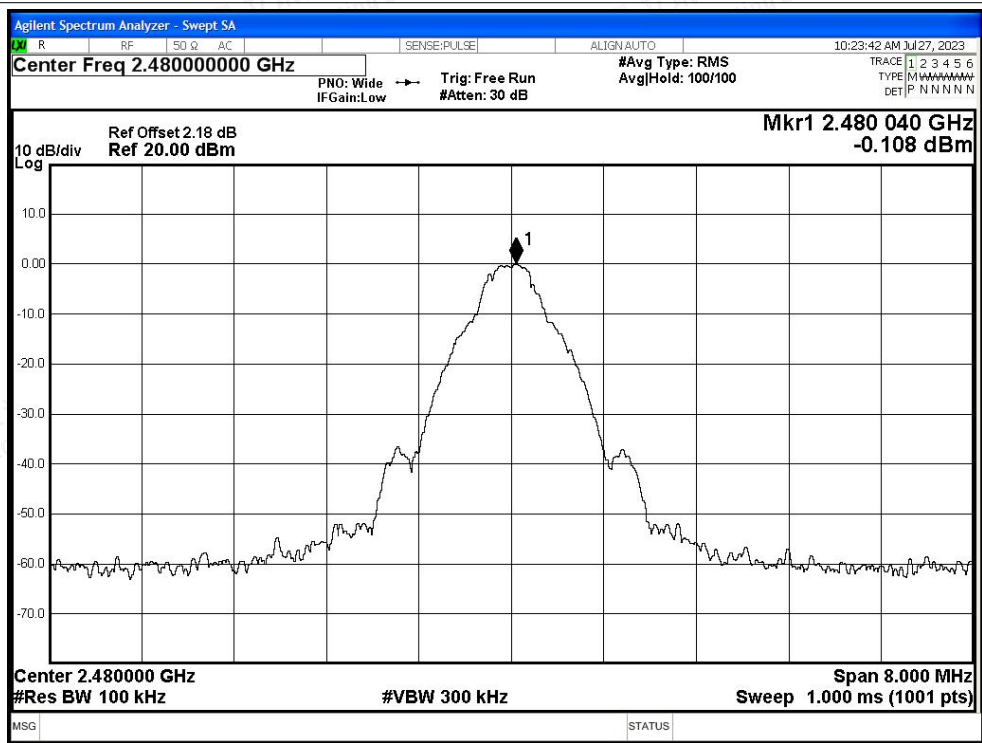


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

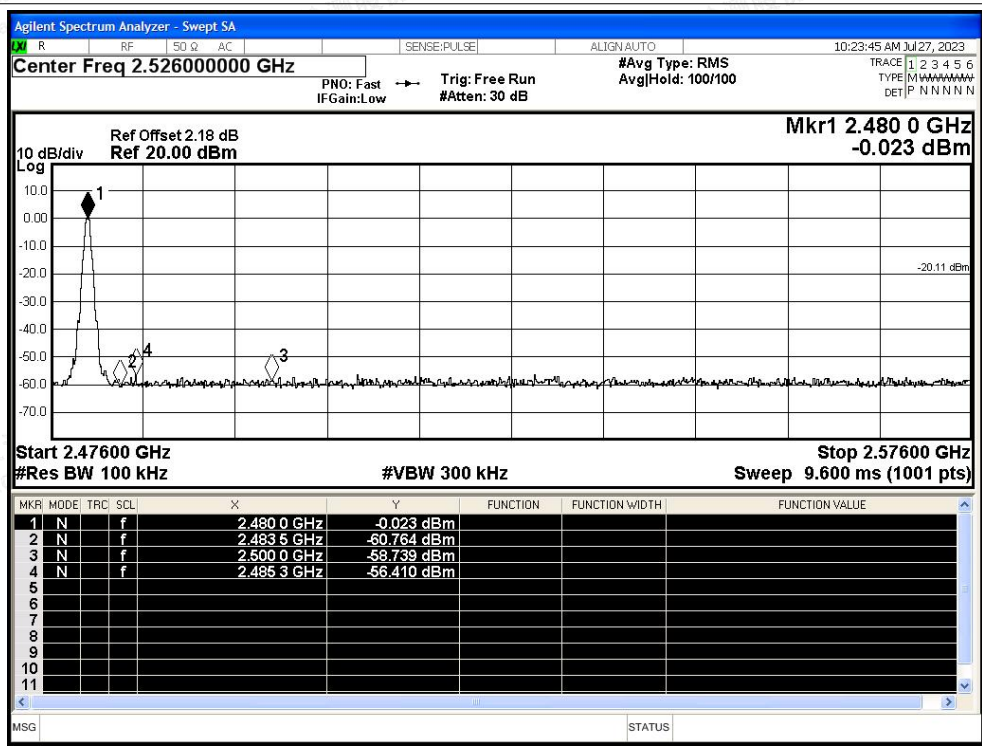




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

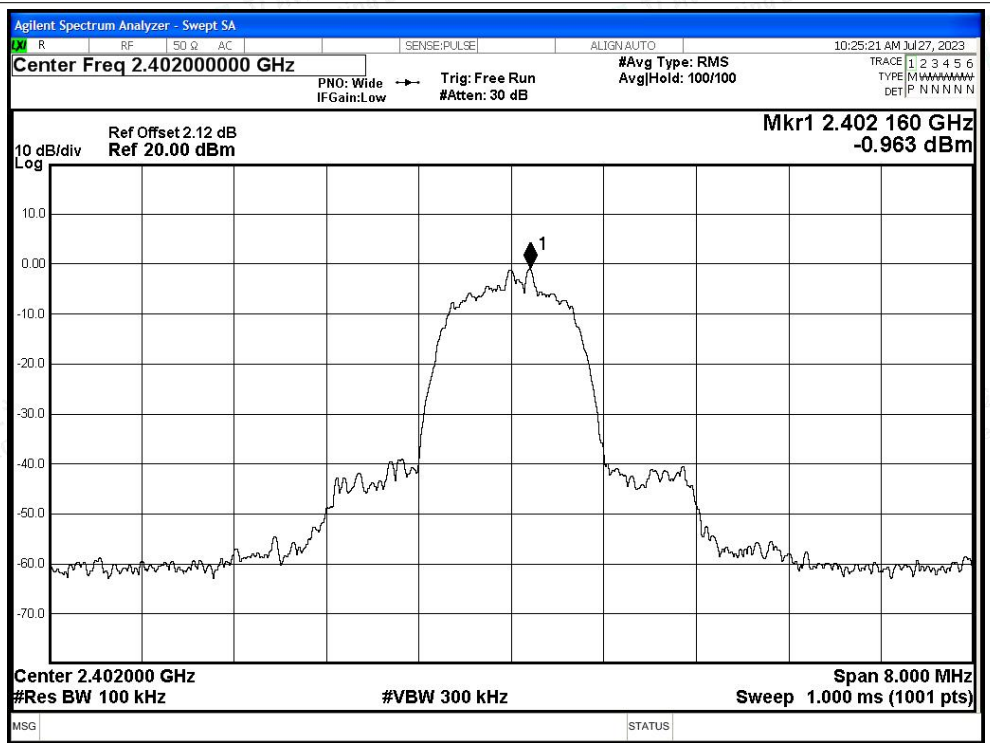


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

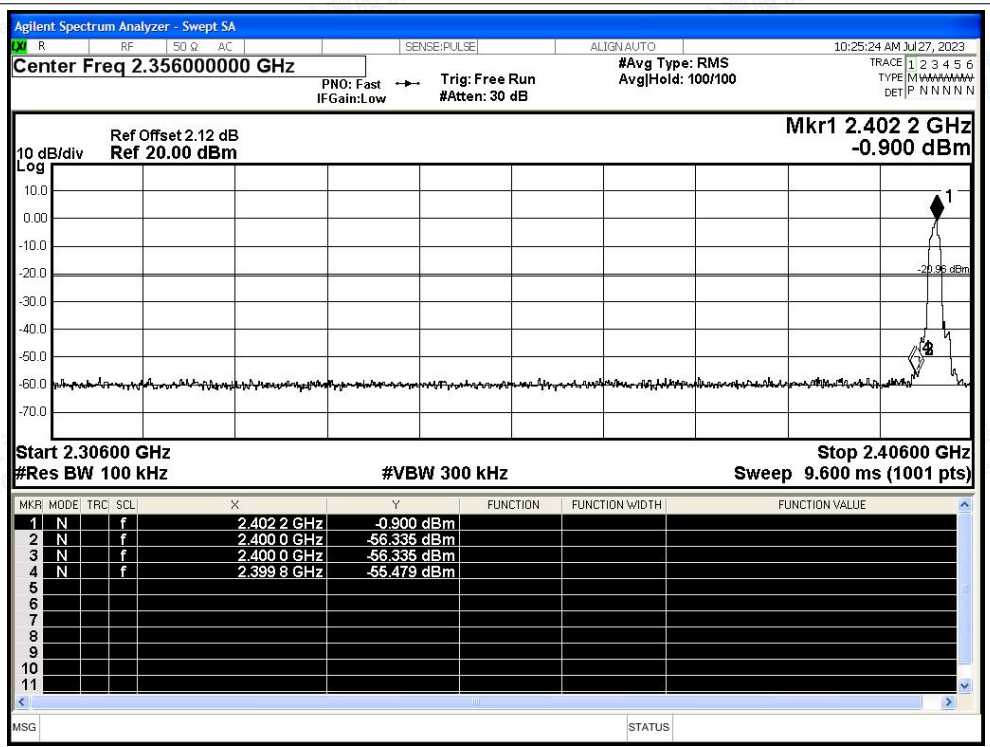


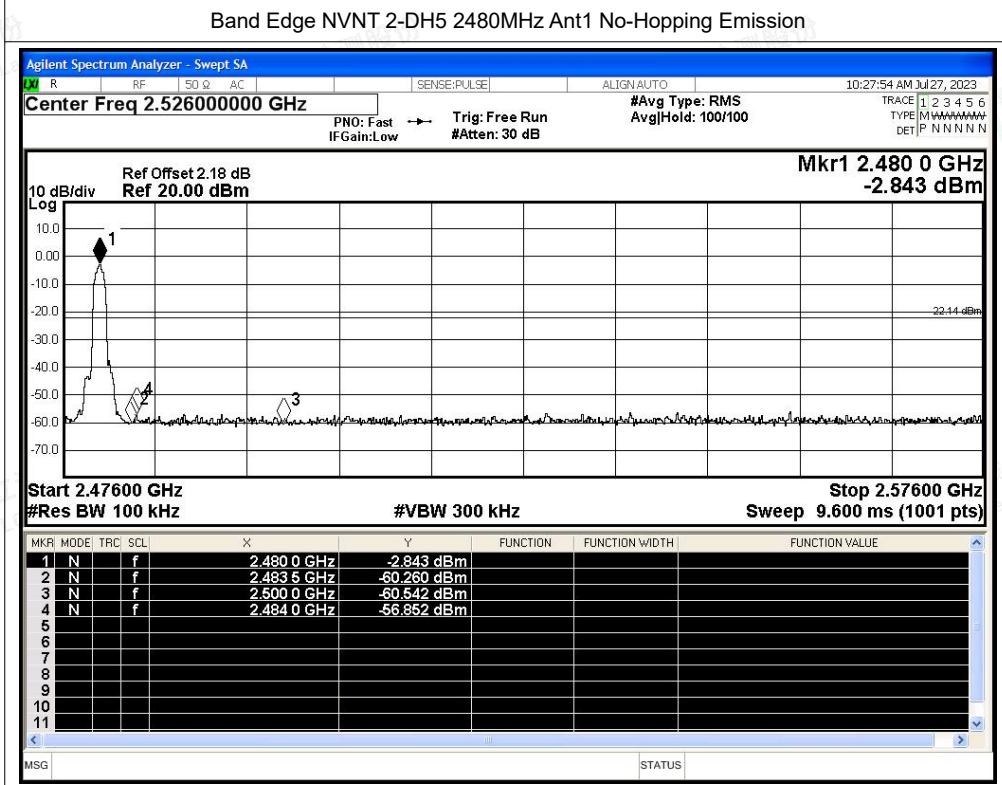
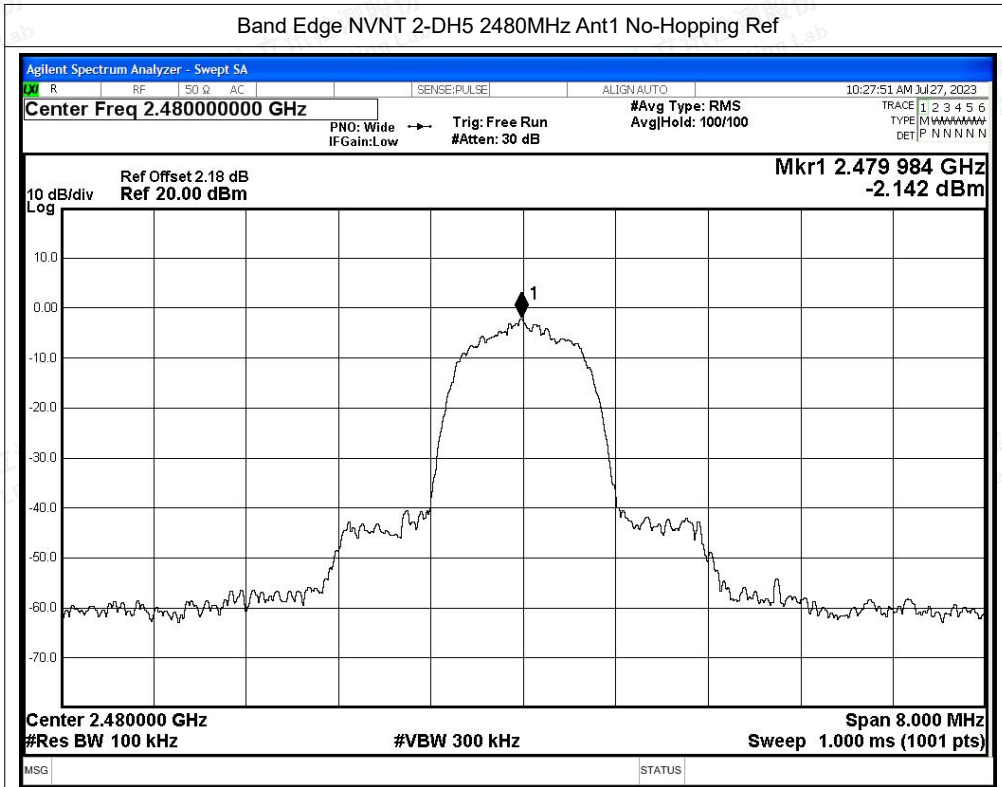


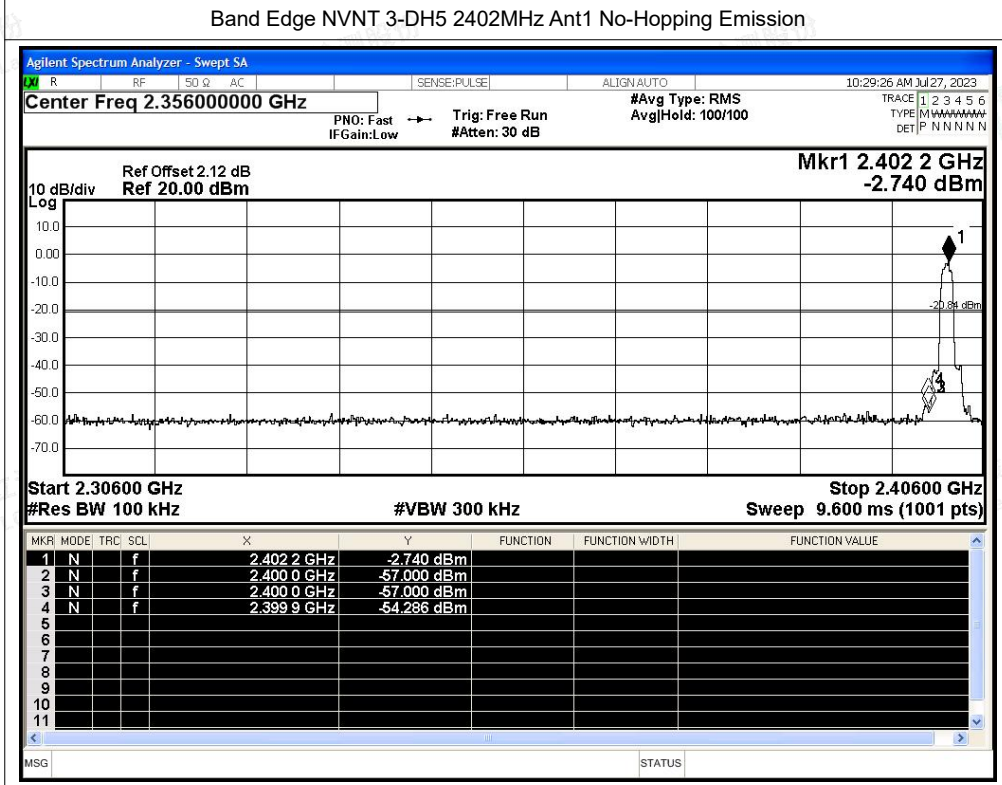
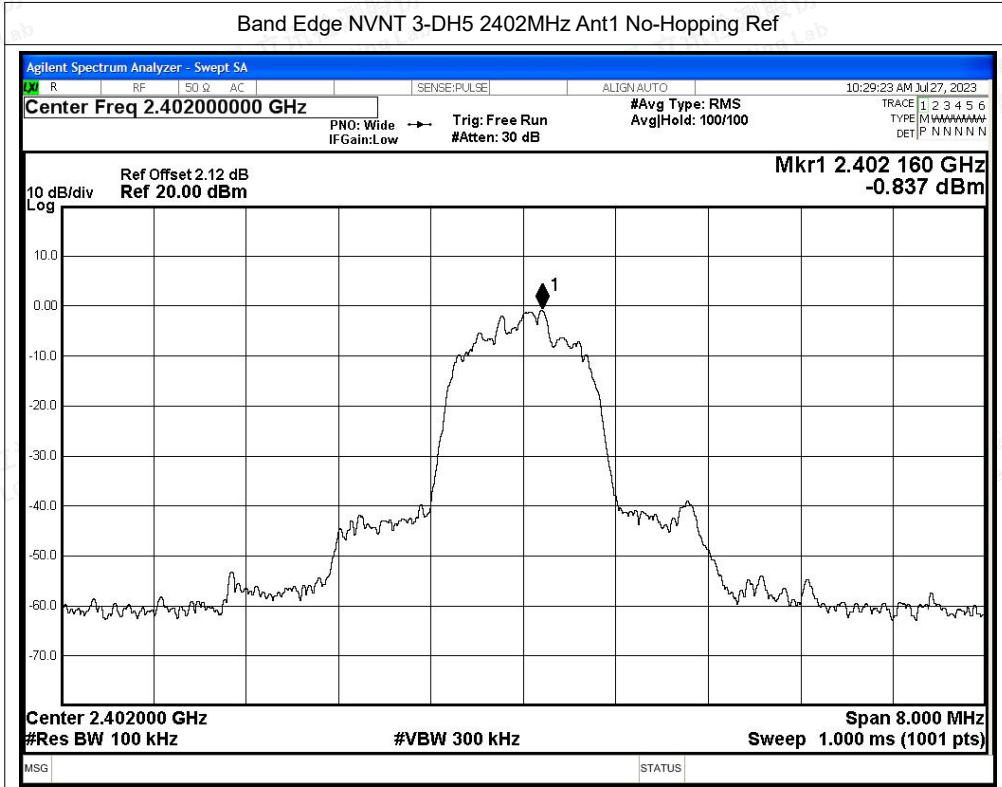
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

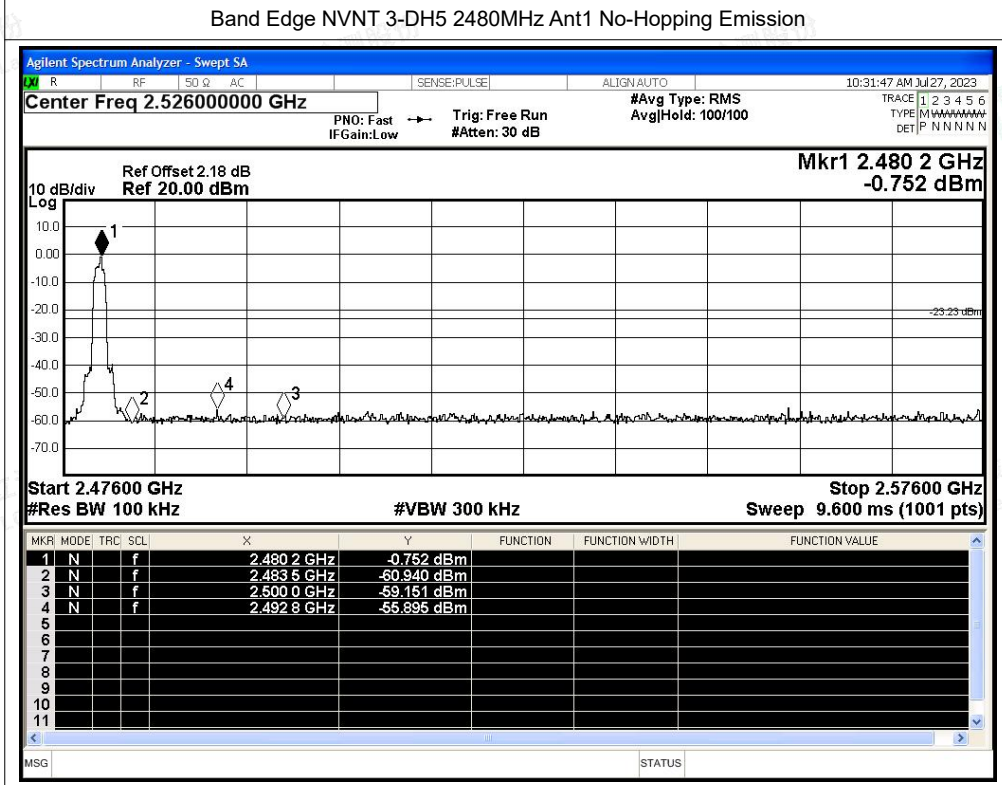
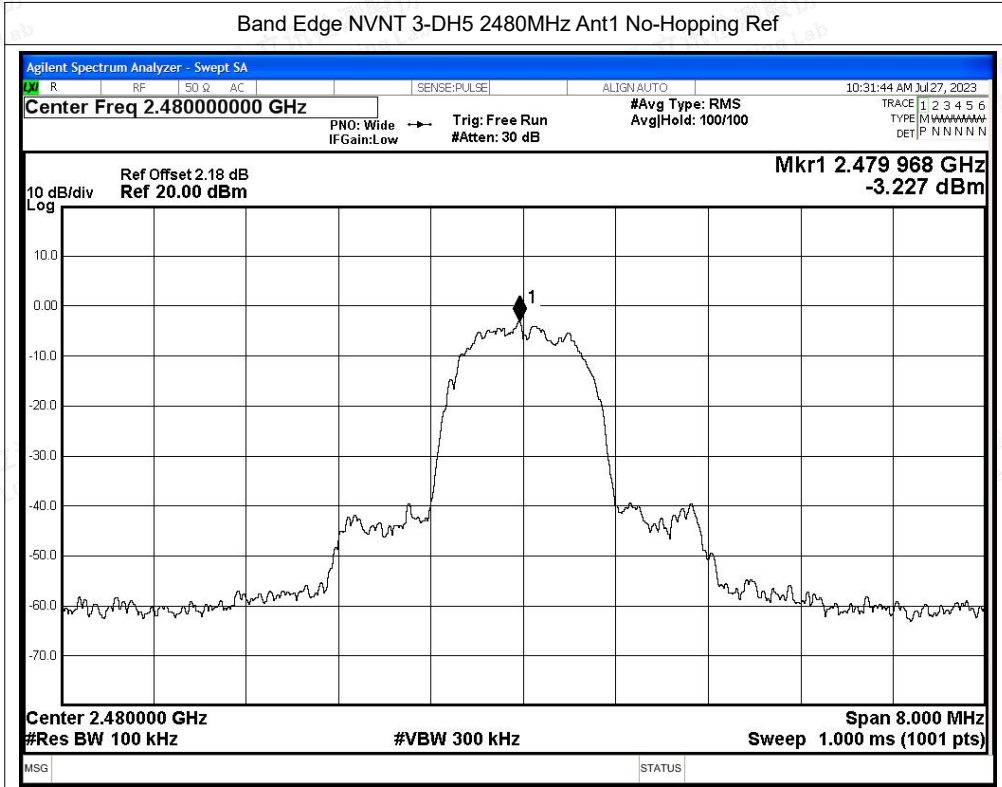


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission











(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.75	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.33	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.08	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.8	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.5	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-55.43	-20	Pass

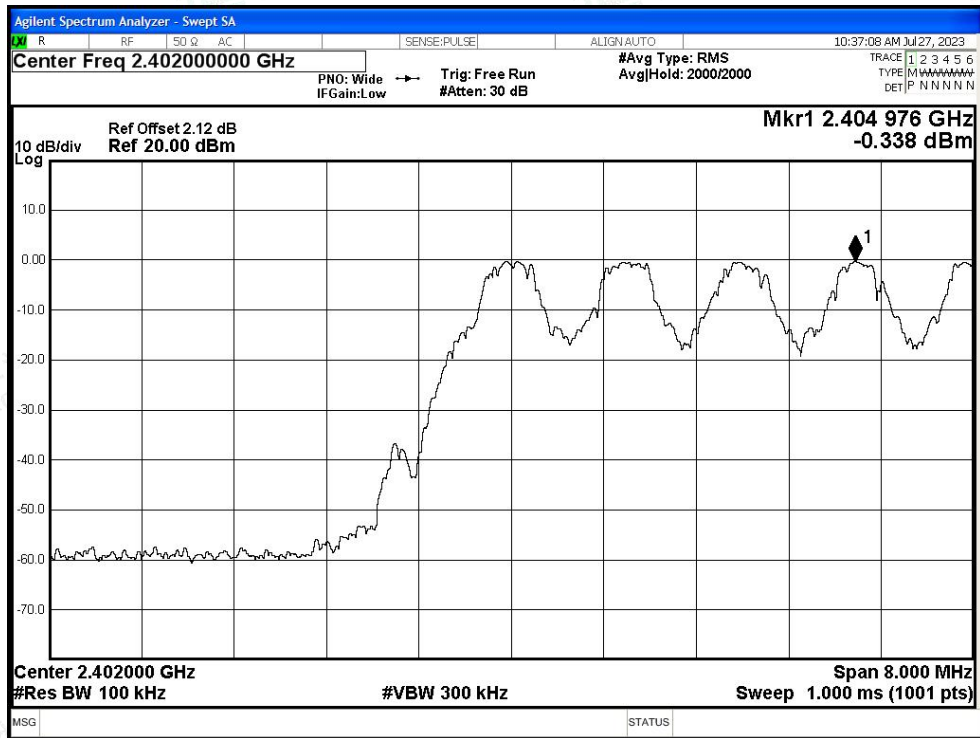


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Test Graphs

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



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

