



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name:Media Player

Test Model: Stix3800

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





A.1 -20dB Bandwidth

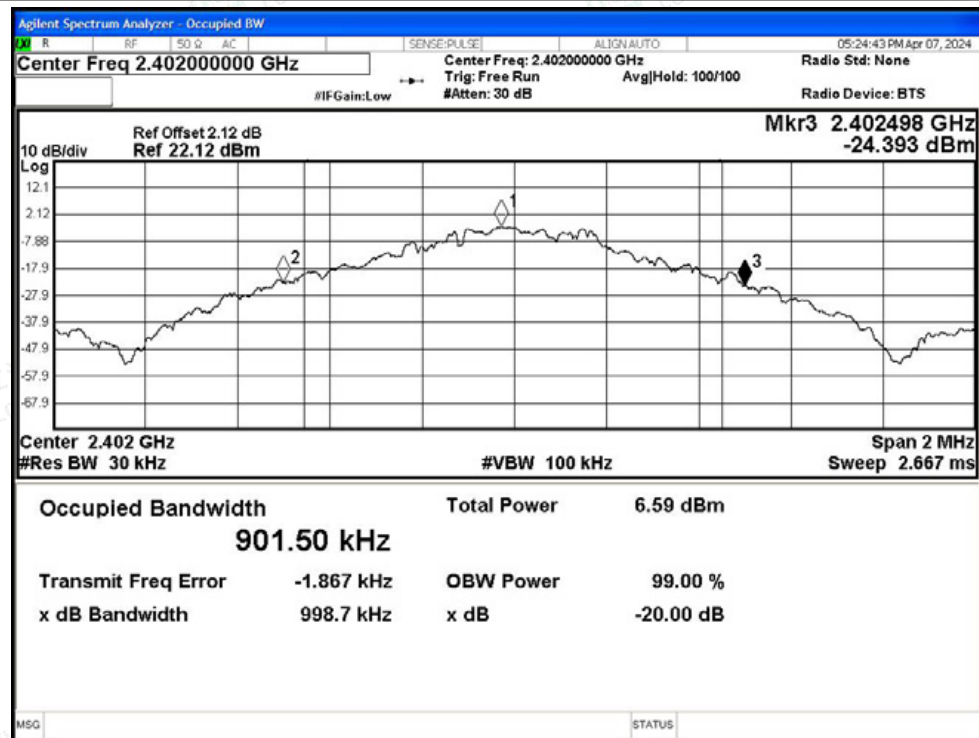
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.999	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.958	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.003	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.314	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.287	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.323	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.305	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.278	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.269	N/A	Pass





Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

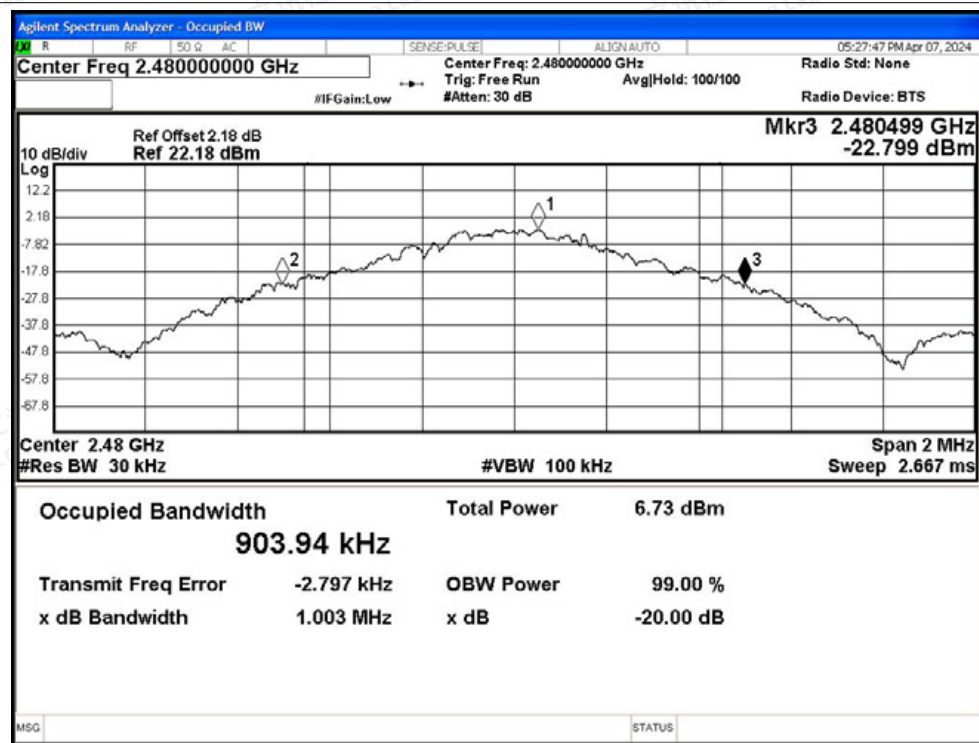


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

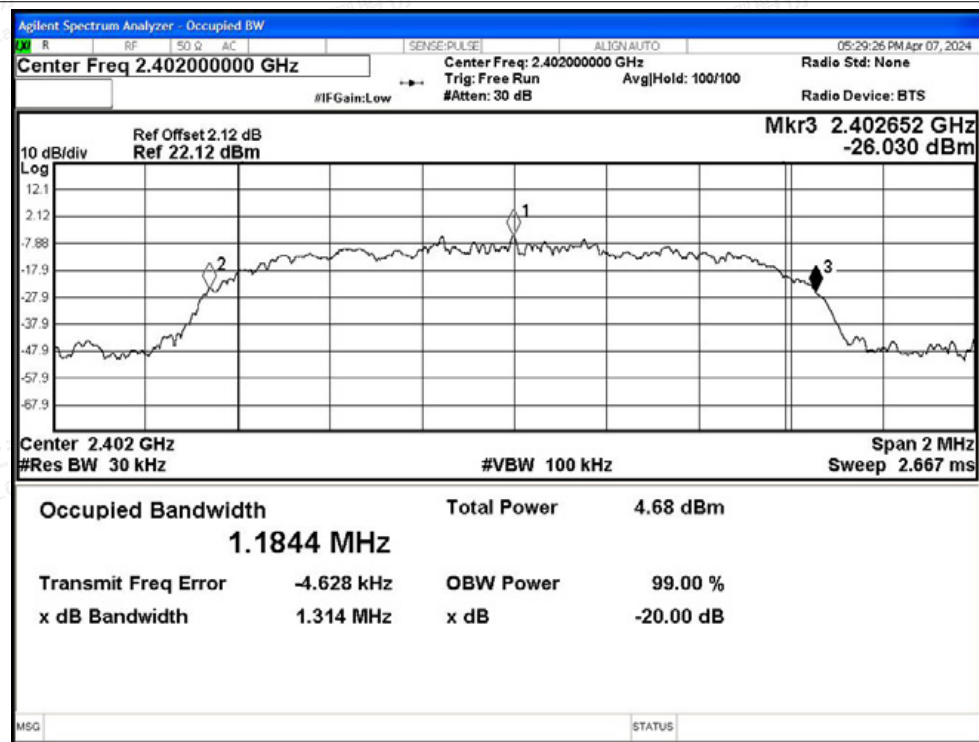




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

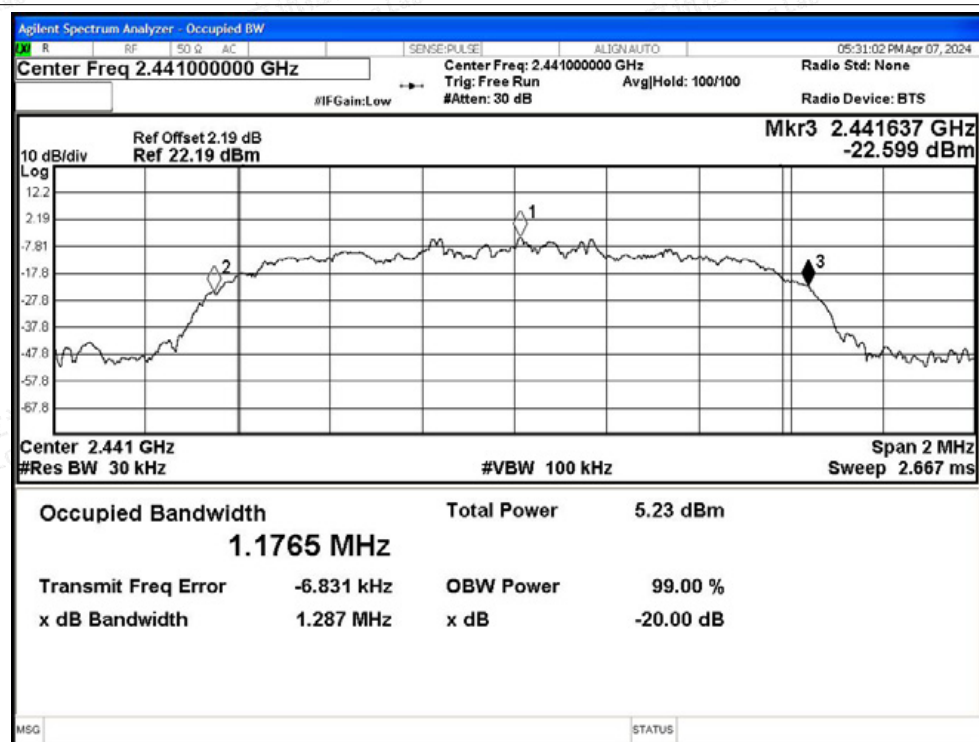


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

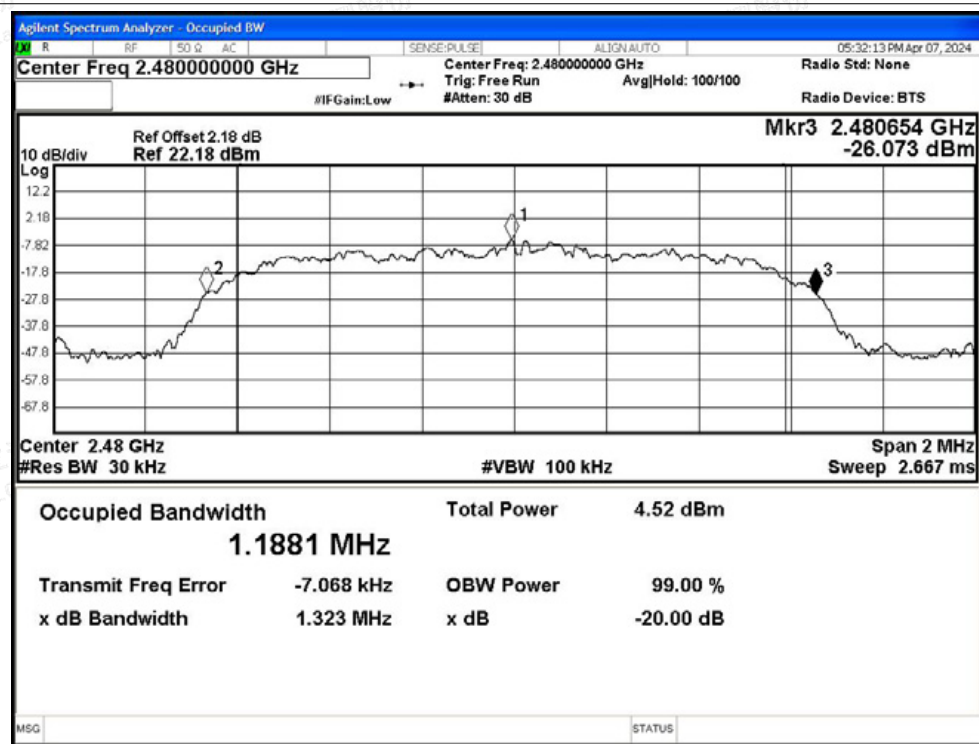




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

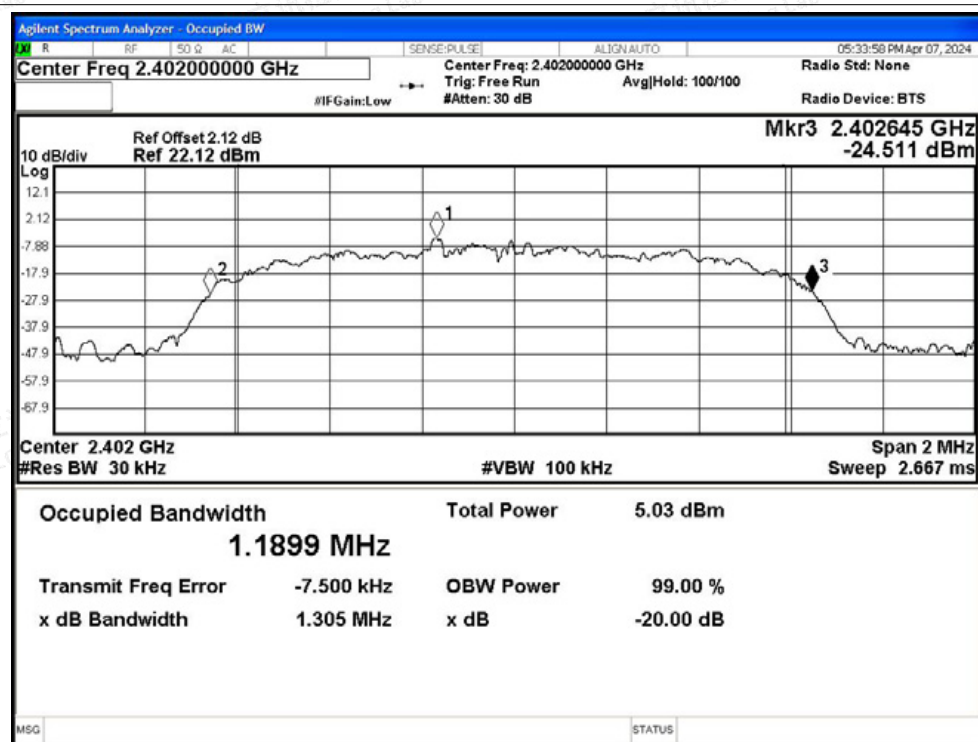


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

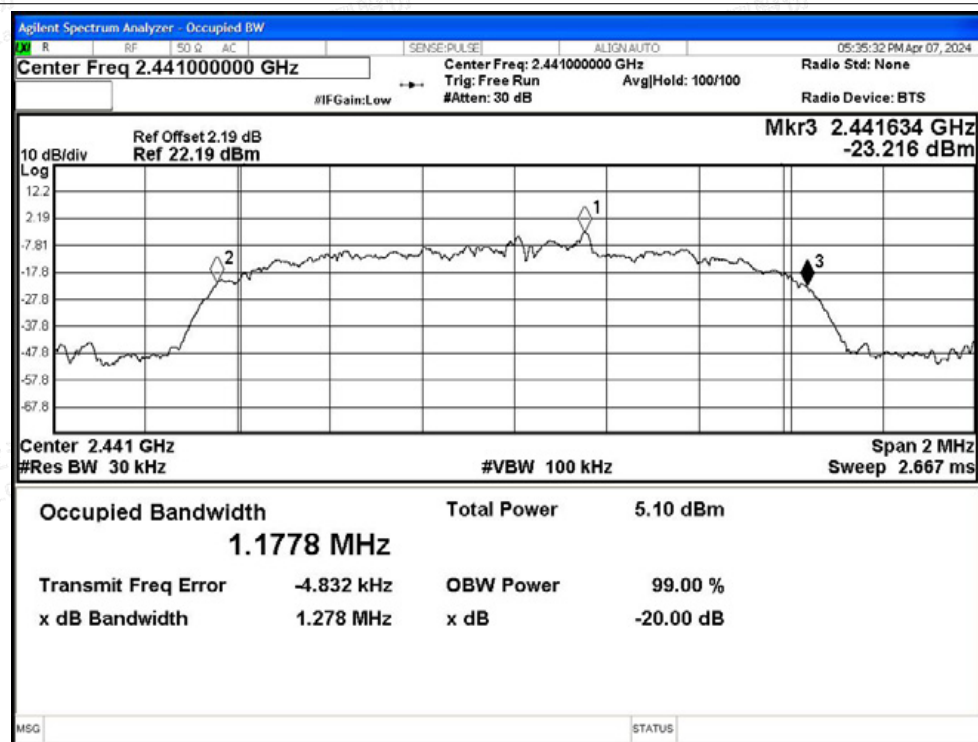


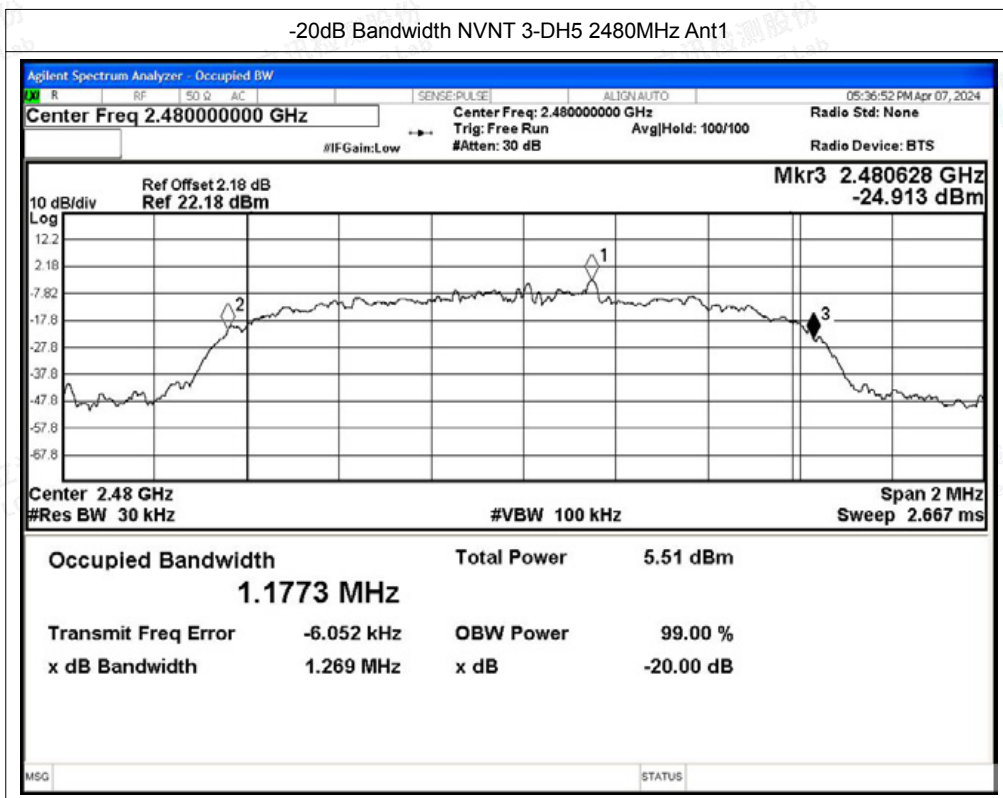


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum Peak Conducted Output Power

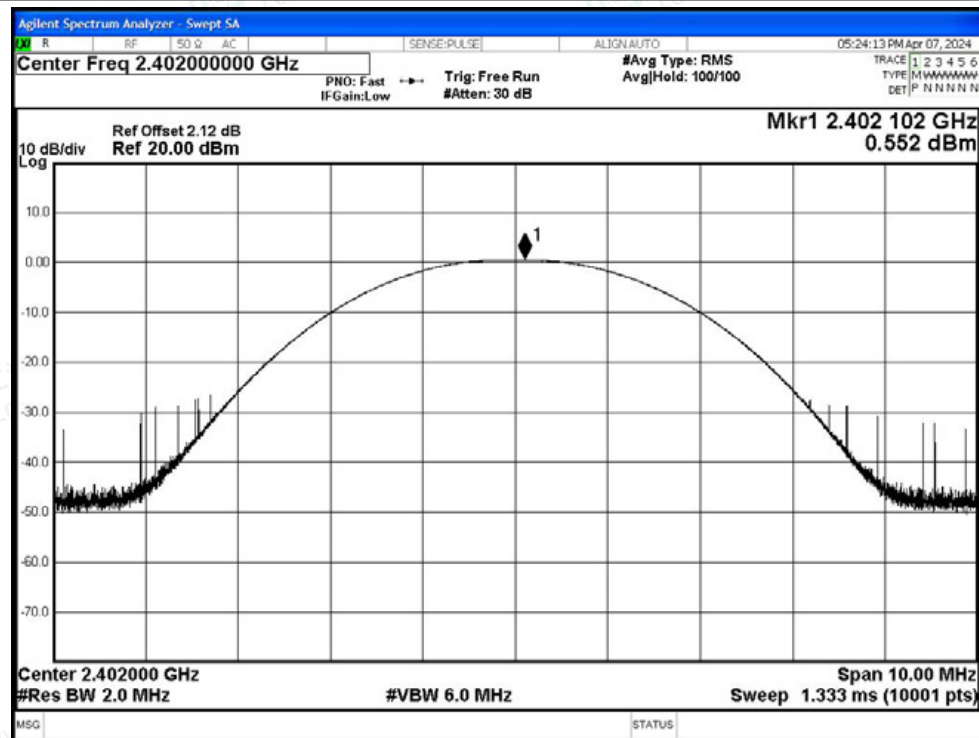
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.55	21	Pass
NVNT	1-DH5	2441	Ant1	0.73	21	Pass
NVNT	1-DH5	2480	Ant1	0.7	21	Pass
NVNT	2-DH5	2402	Ant1	0.32	21	Pass
NVNT	2-DH5	2441	Ant1	0.49	21	Pass
NVNT	2-DH5	2480	Ant1	0.42	21	Pass
NVNT	3-DH5	2402	Ant1	0.74	21	Pass
NVNT	3-DH5	2441	Ant1	0.6	21	Pass
NVNT	3-DH5	2480	Ant1	0.86	21	Pass



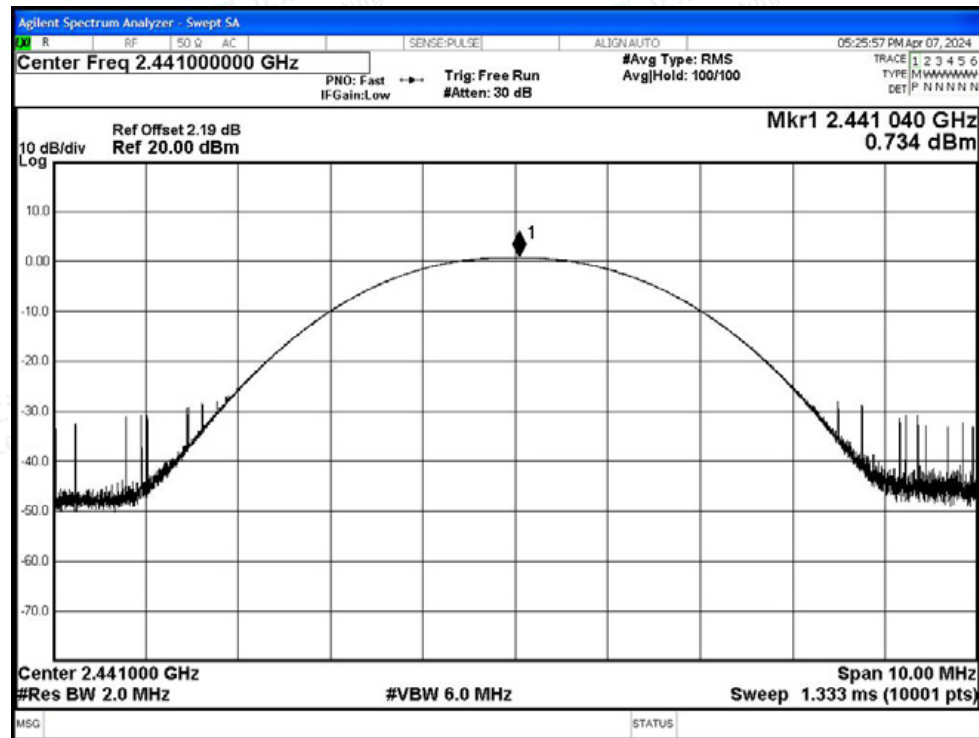


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

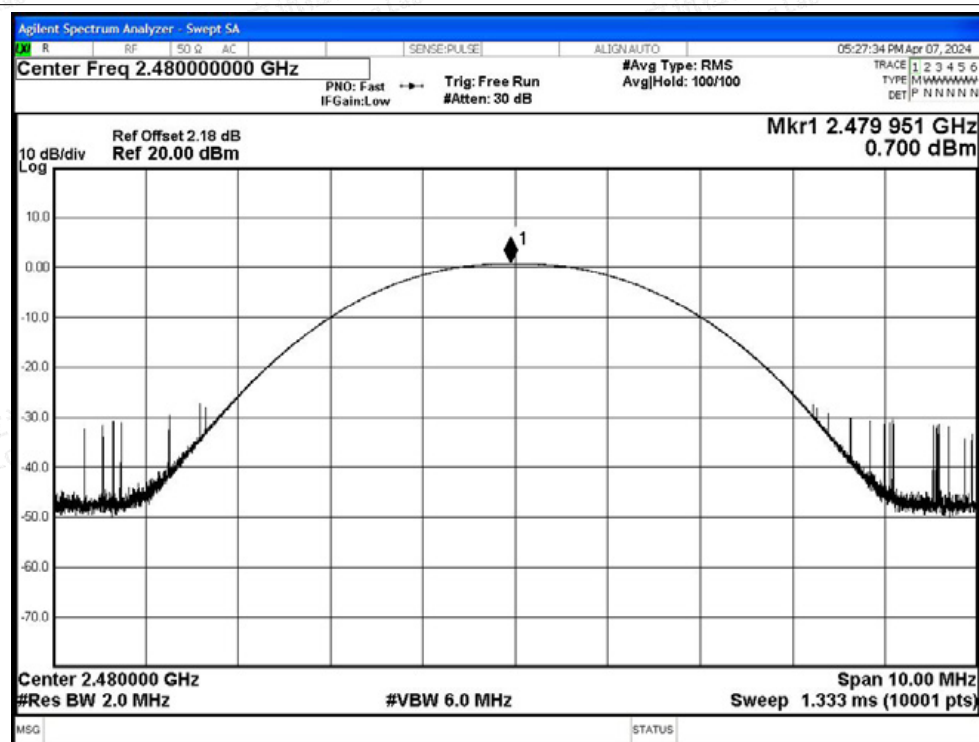


Power NVNT 1-DH5 2441MHz Ant1

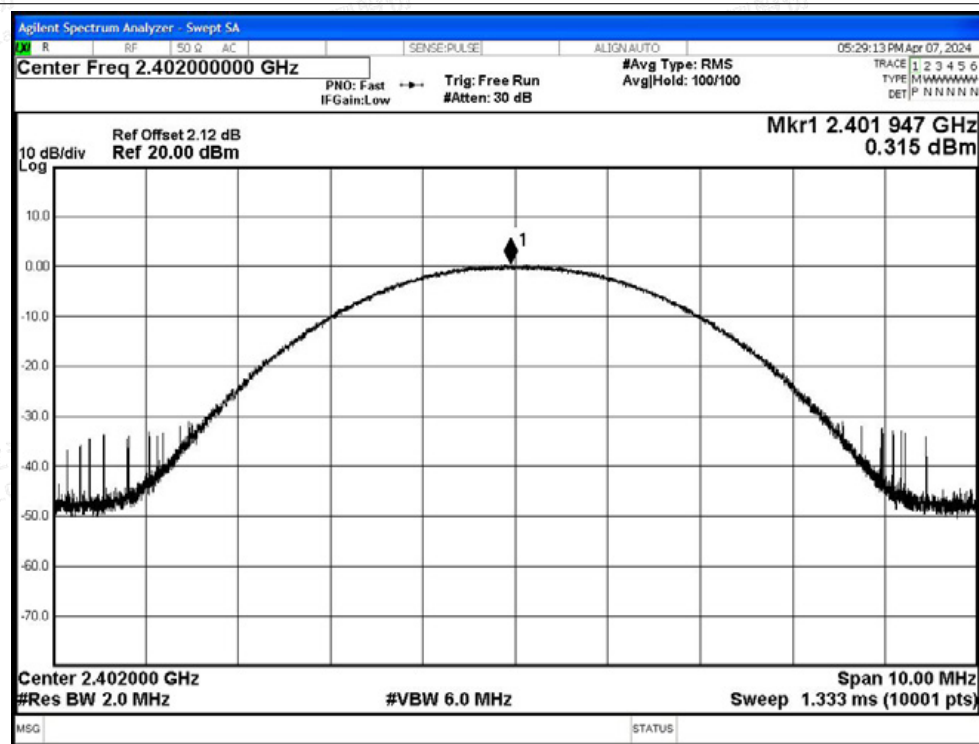




Power NVNT 1-DH5 2480MHz Ant1

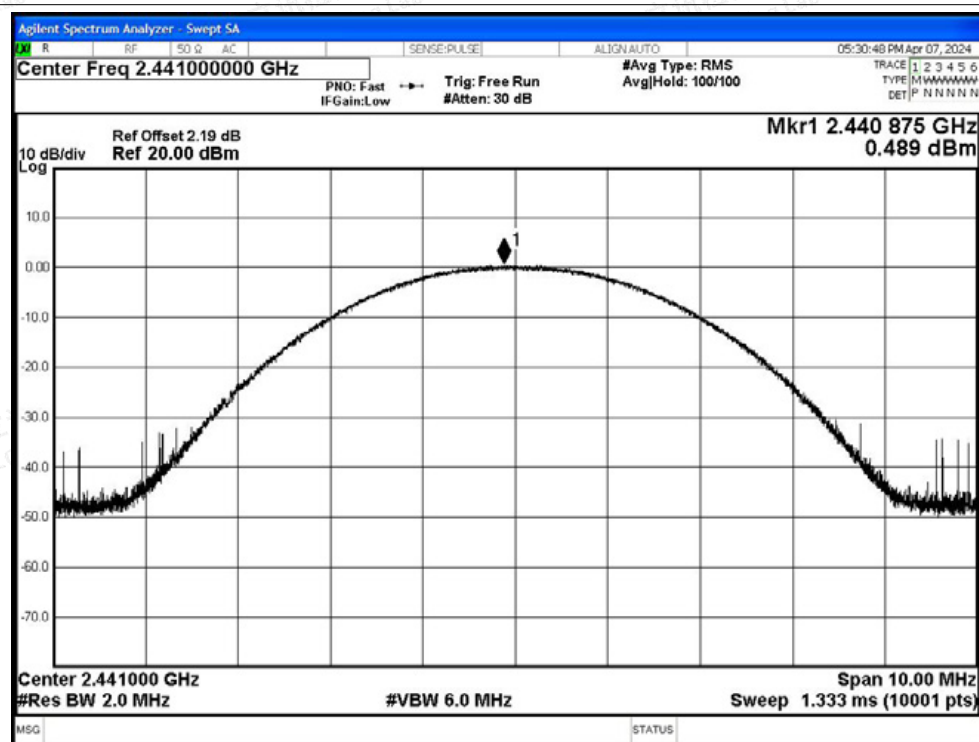


Power NVNT 2-DH5 2402MHz Ant1

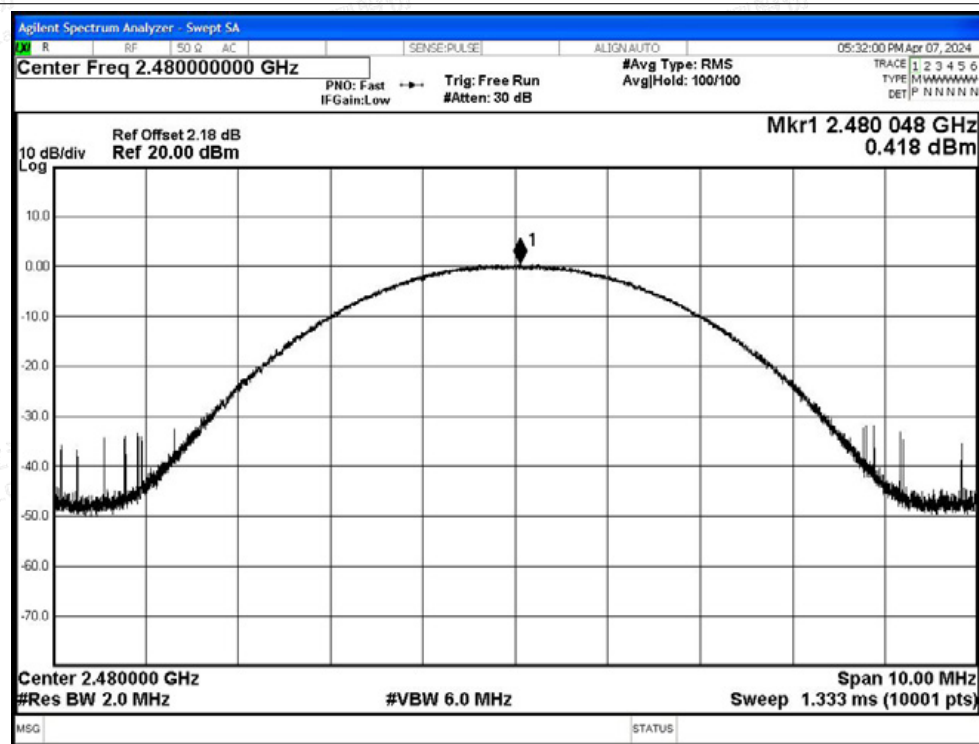




Power NVNT 2-DH5 2441MHz Ant1

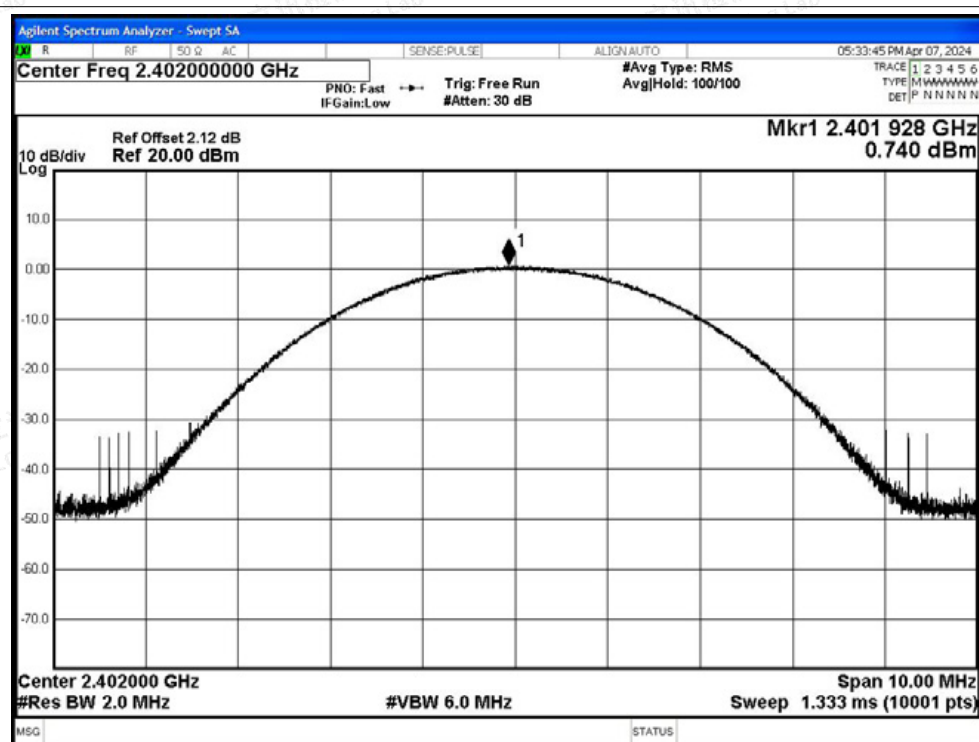


Power NVNT 2-DH5 2480MHz Ant1

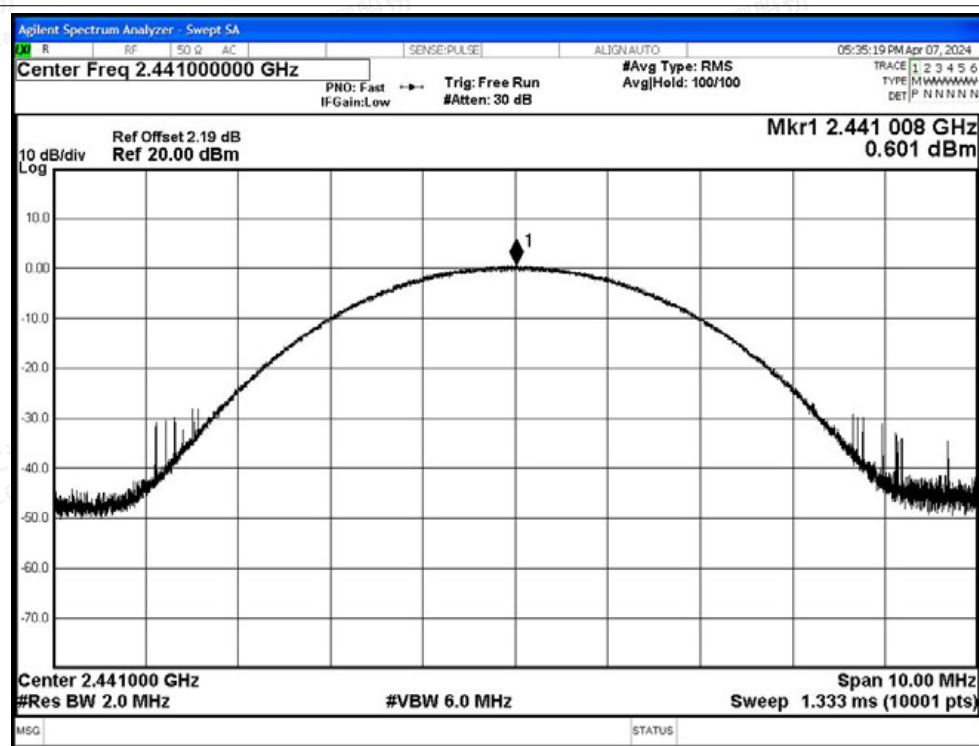


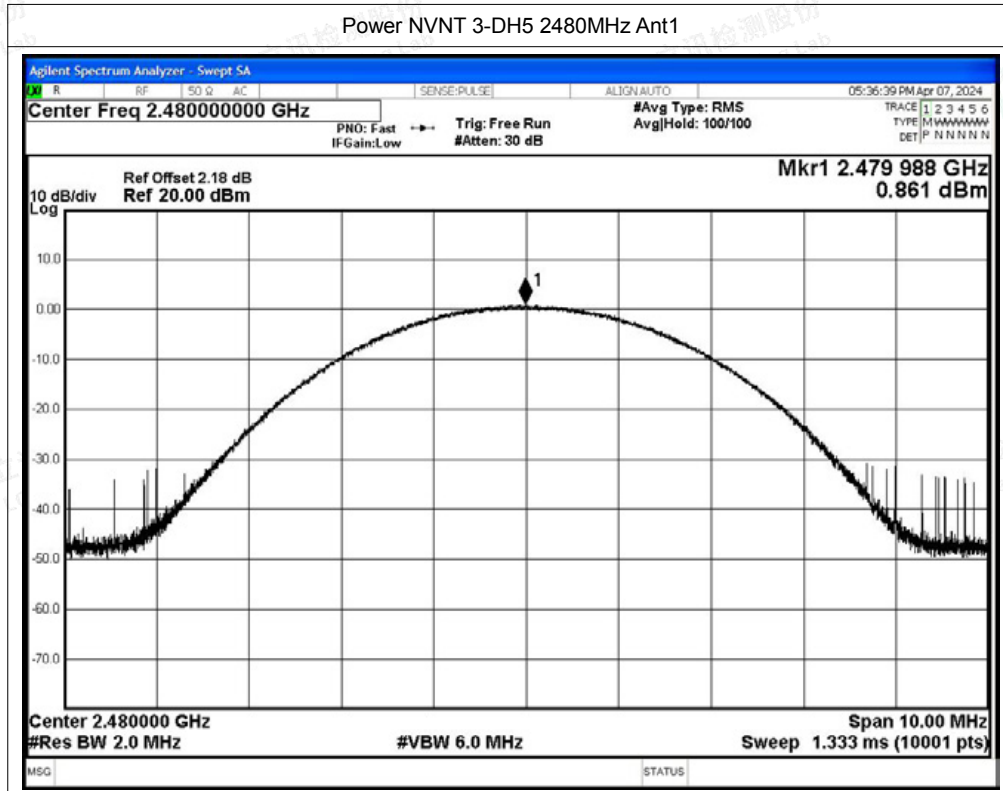


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







A.3 Carrier Frequencies Separation

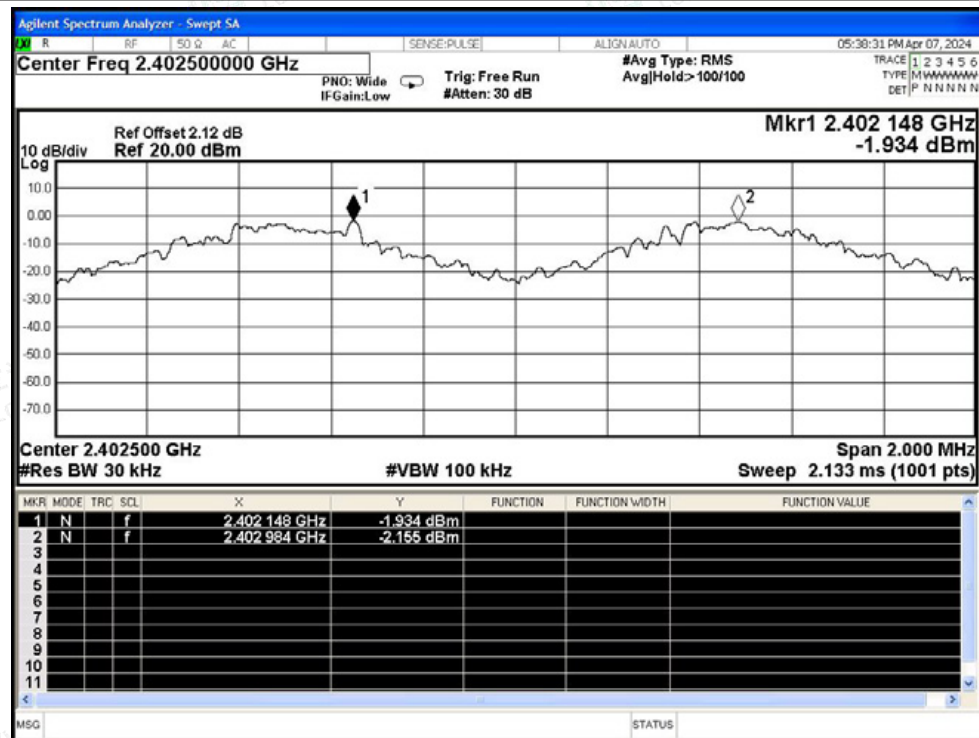
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.148	2402.984	0.836	0.669	Pass
NVNT	2-DH5	Ant1	2401.99	2403.016	1.026	0.882	Pass
NVNT	3-DH5	Ant1	2401.814	2403.02	1.206	0.87	Pass



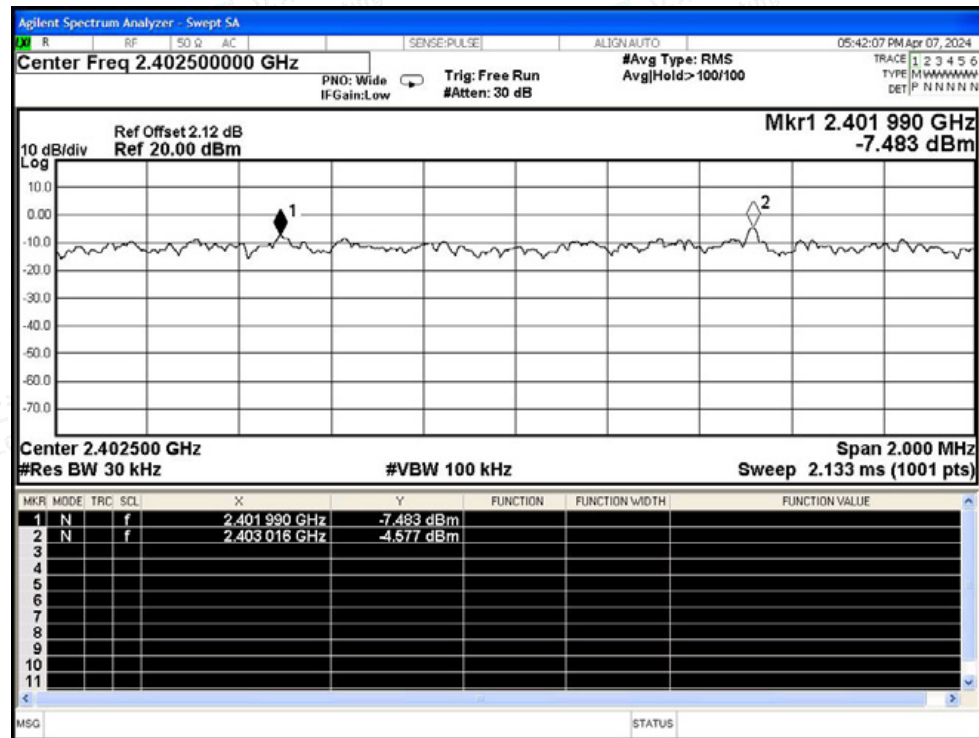


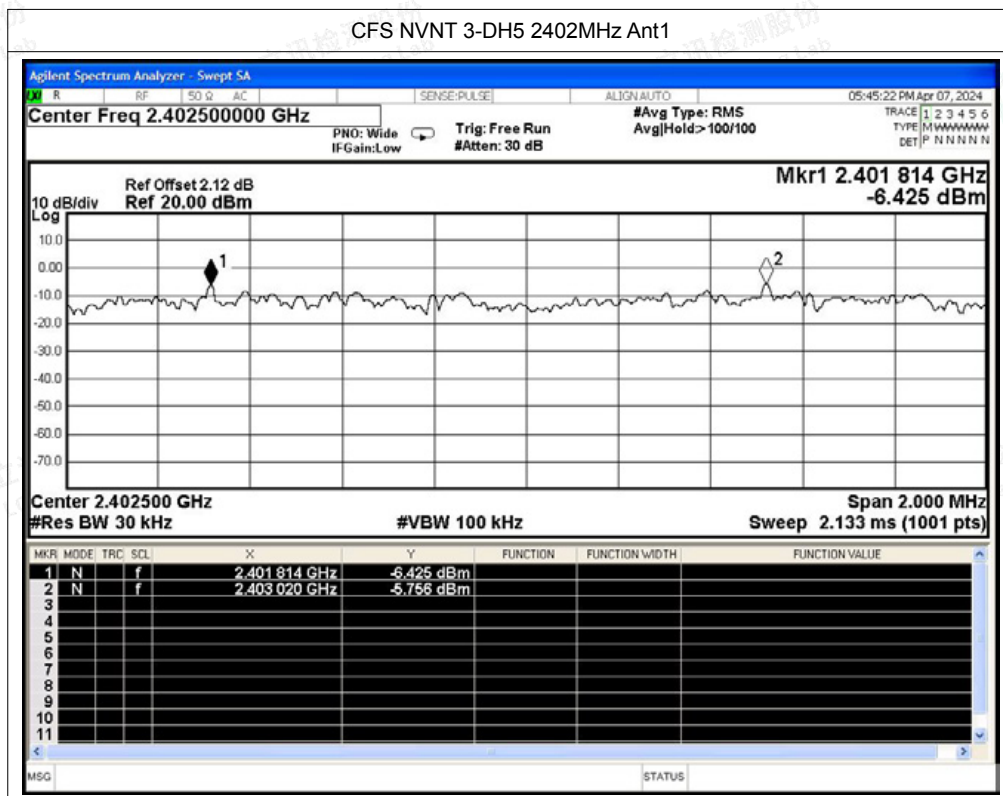
Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1





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Scan code to check authenticity



A.4 Dwell Time

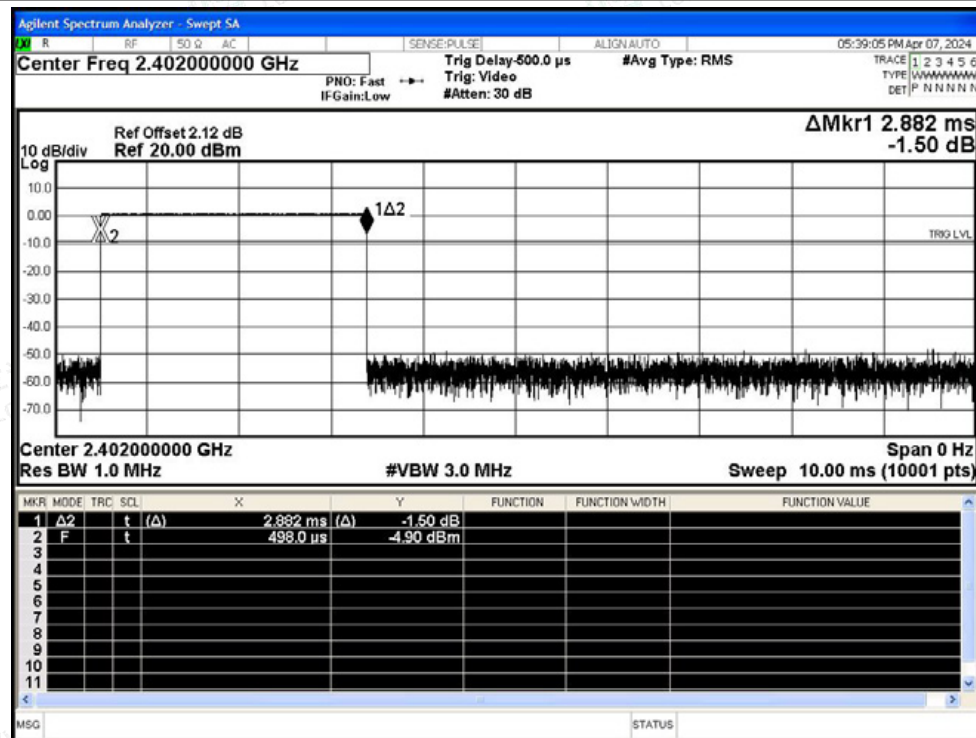
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	317.02	110	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	308.16	107	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	253.968	88	31600	400	Pass



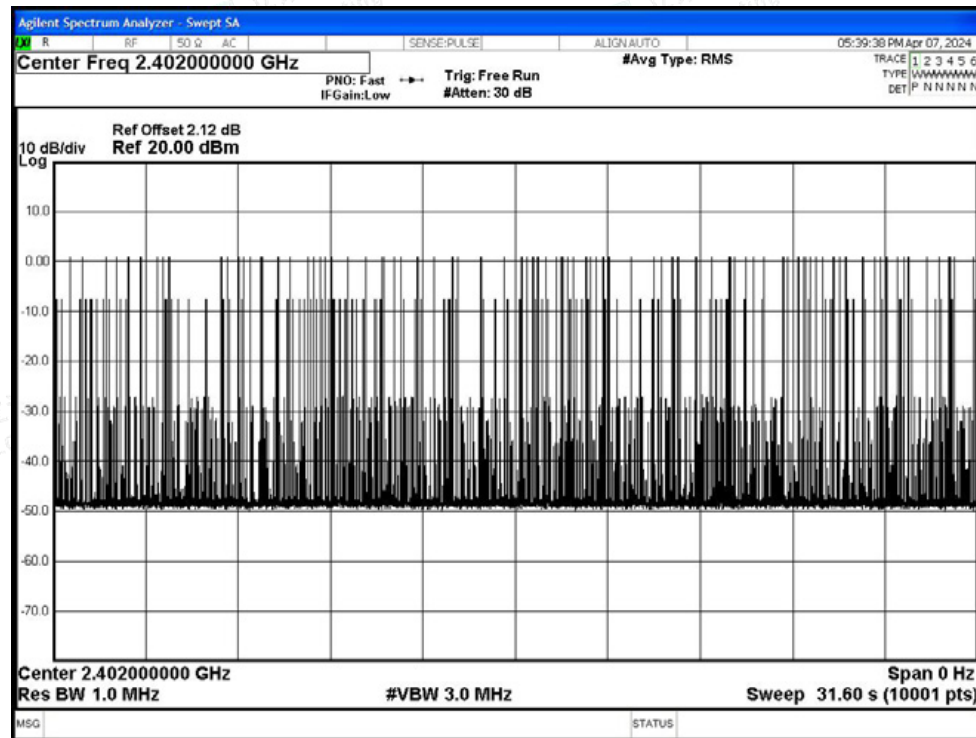


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

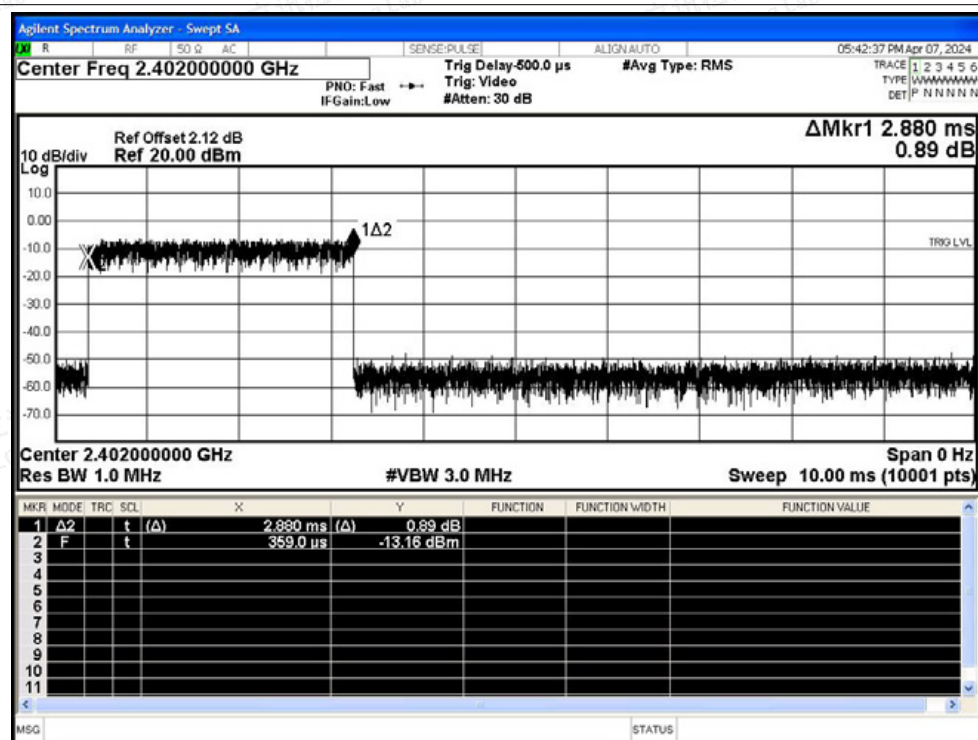


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

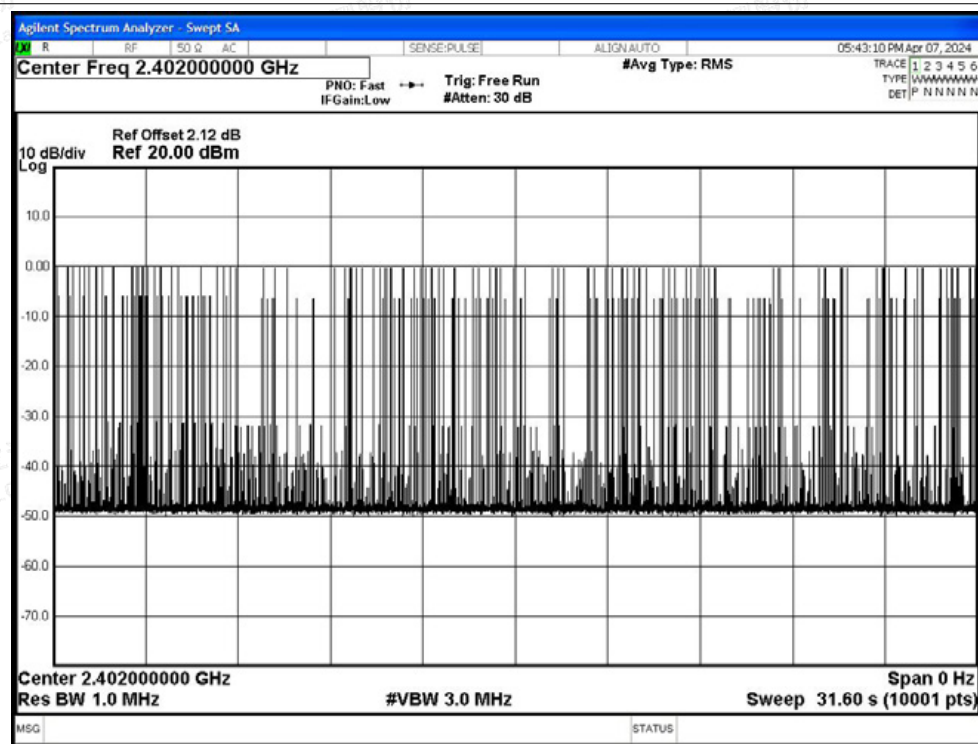




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

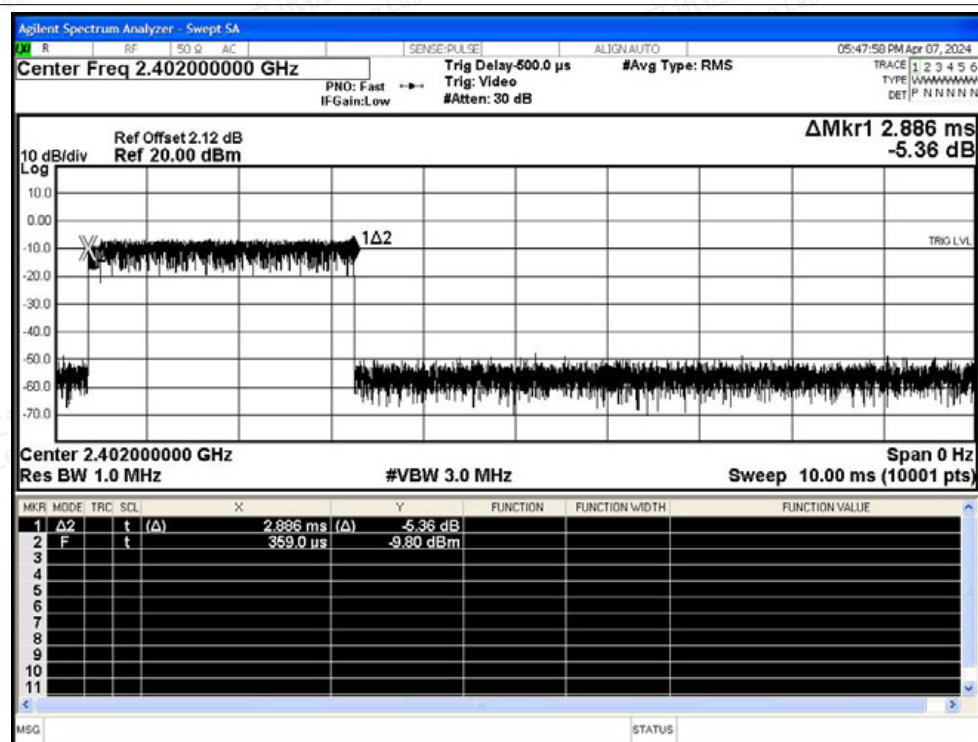


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

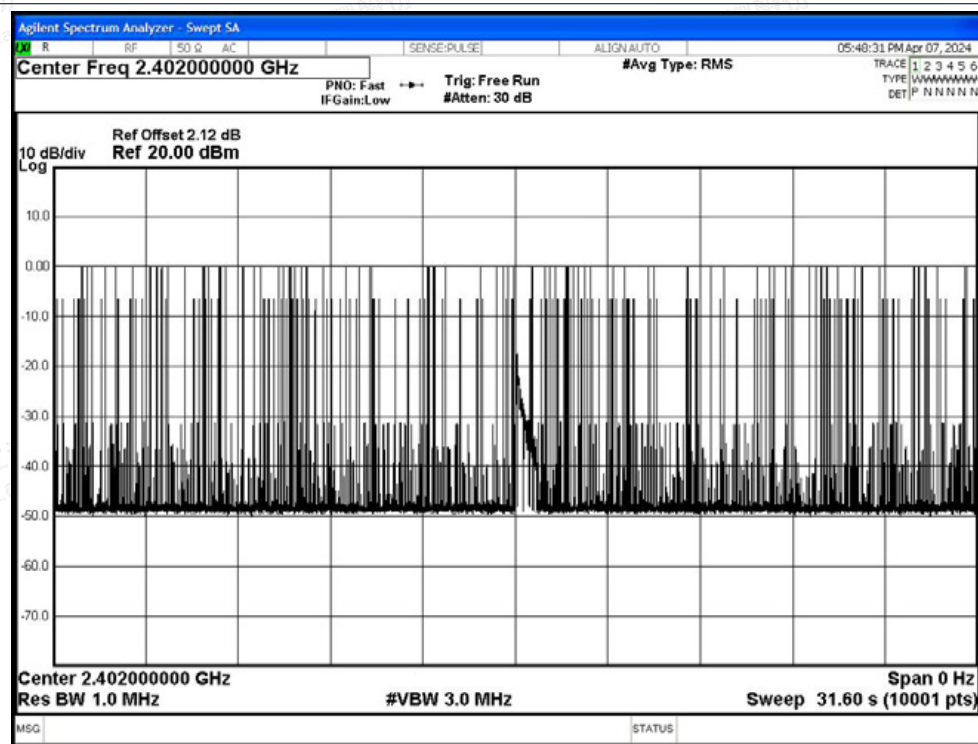




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

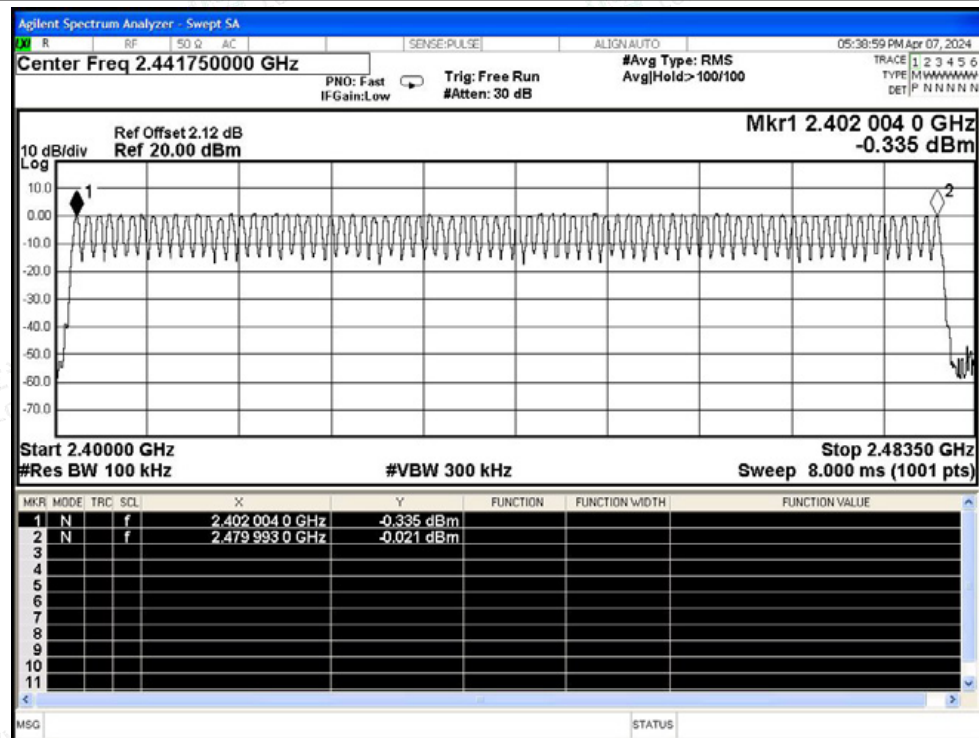
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



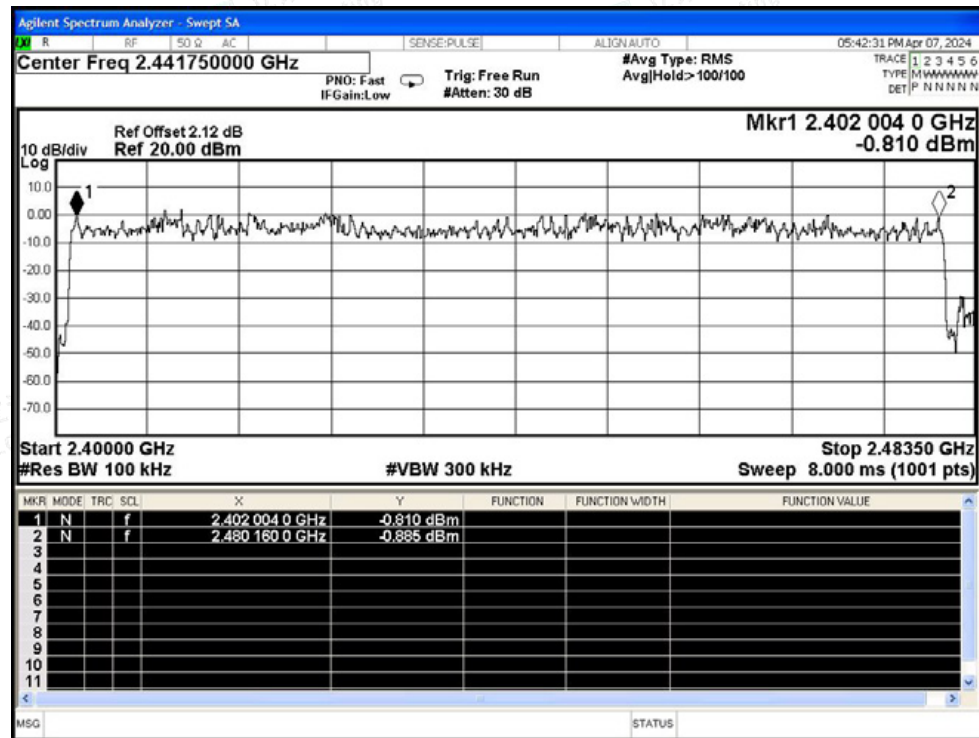


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

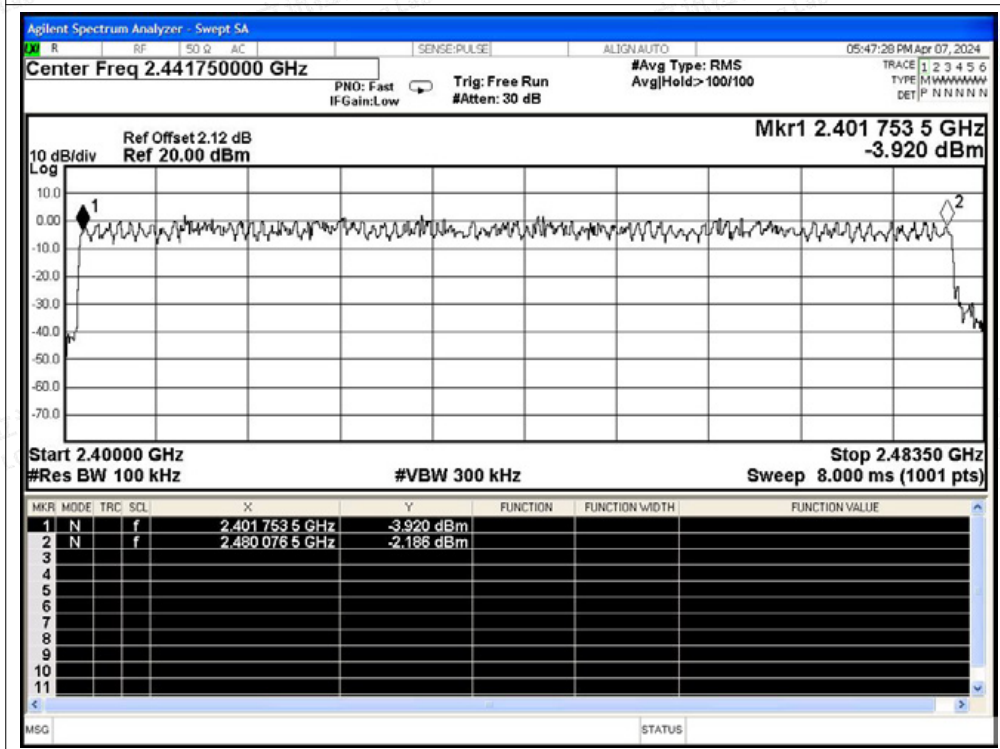


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1





A.6 Band Edge

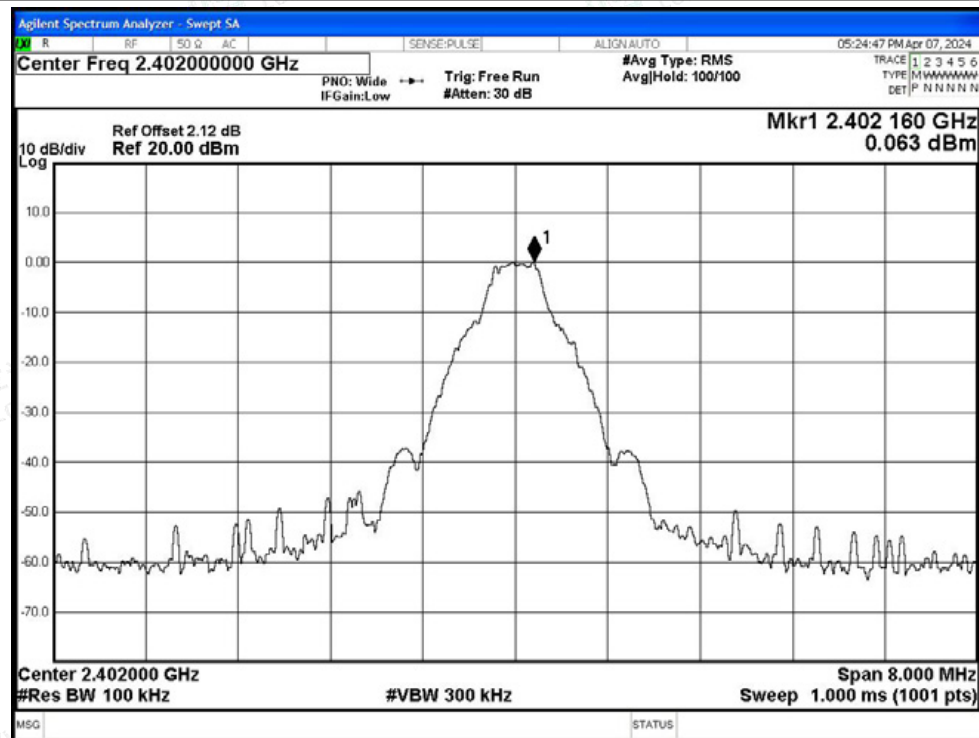
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-49.87	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.96	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-48.92	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.88	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.68	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.27	-20	Pass



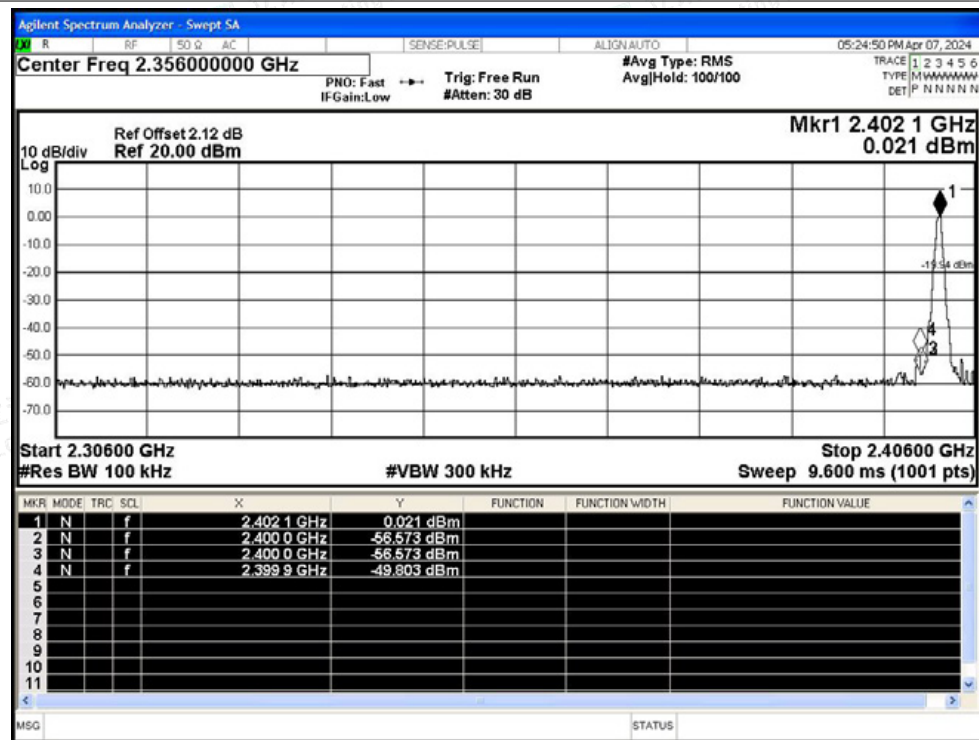


Test Graphs

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

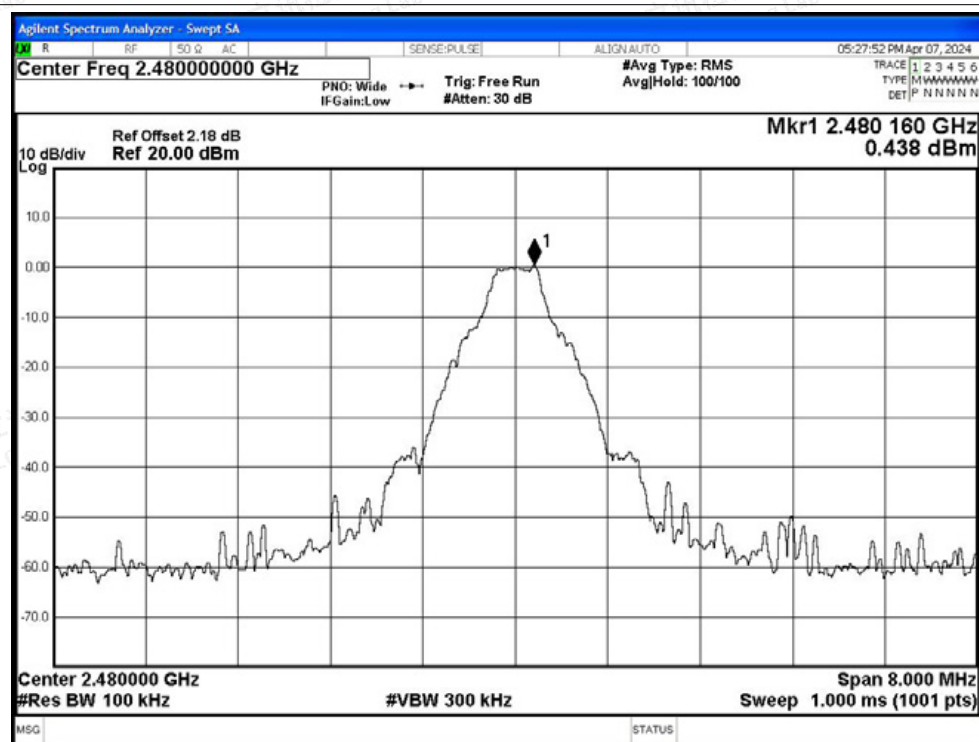


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

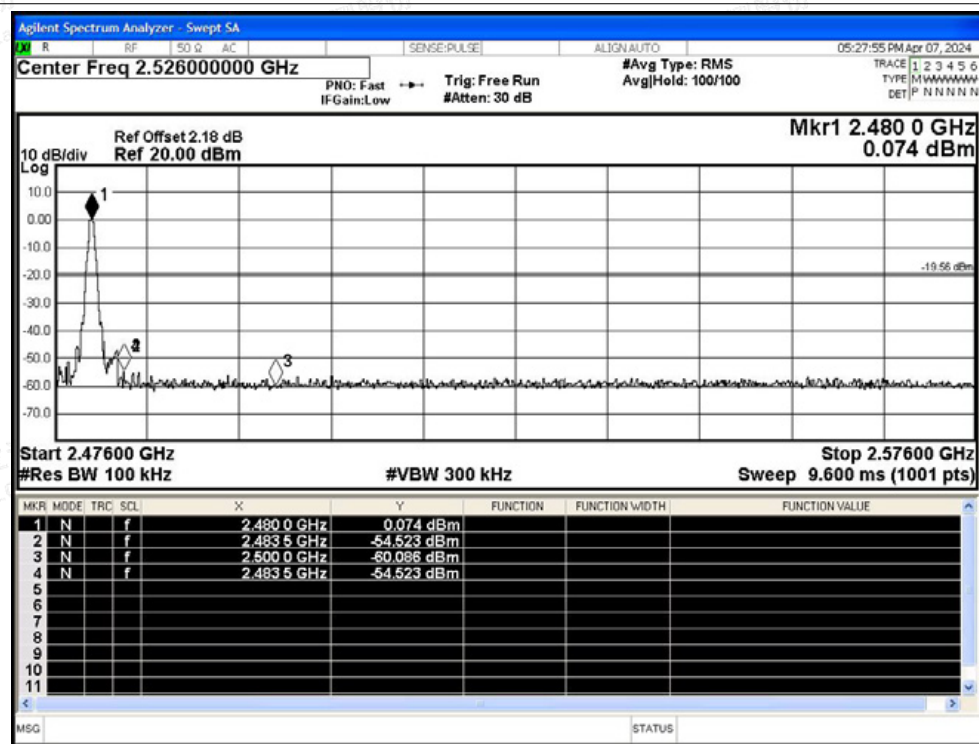




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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



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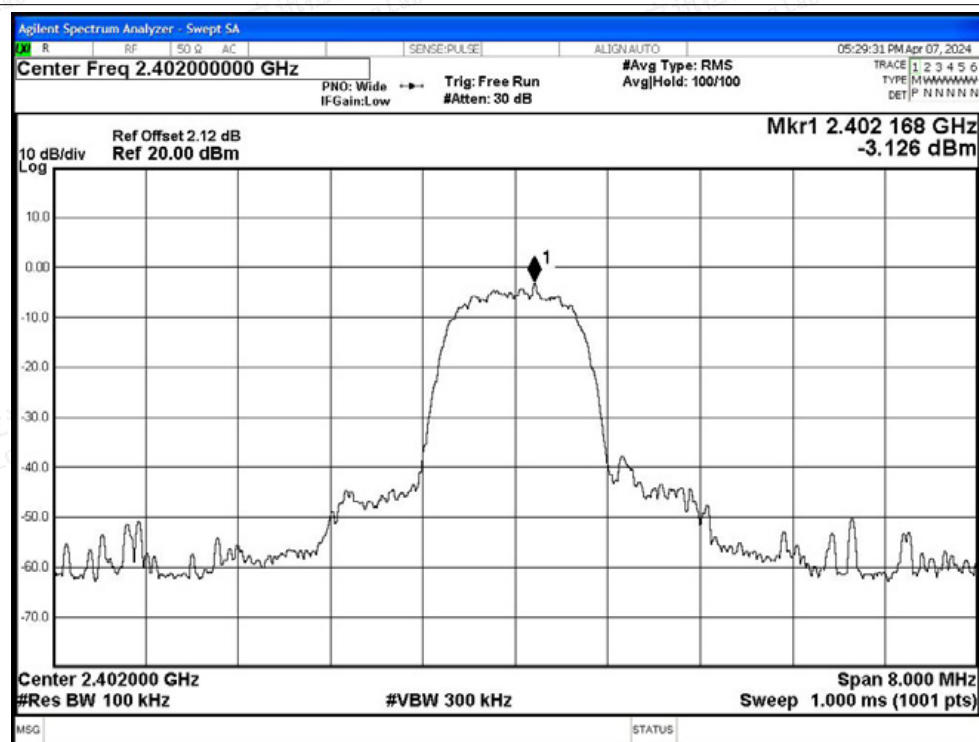
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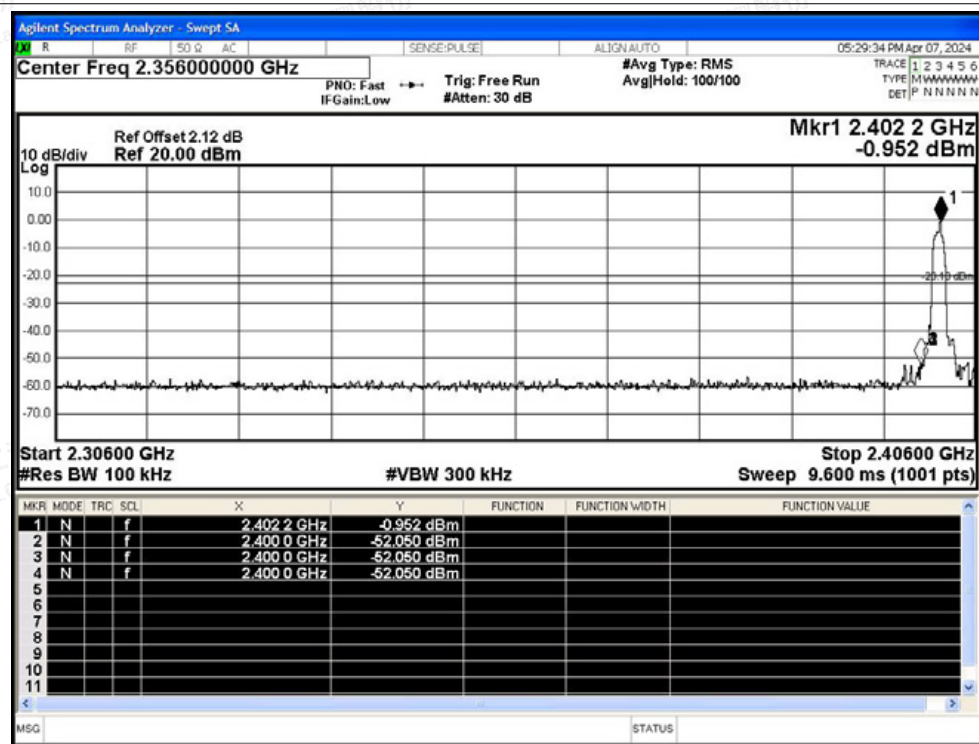
Scan code to check authenticity



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

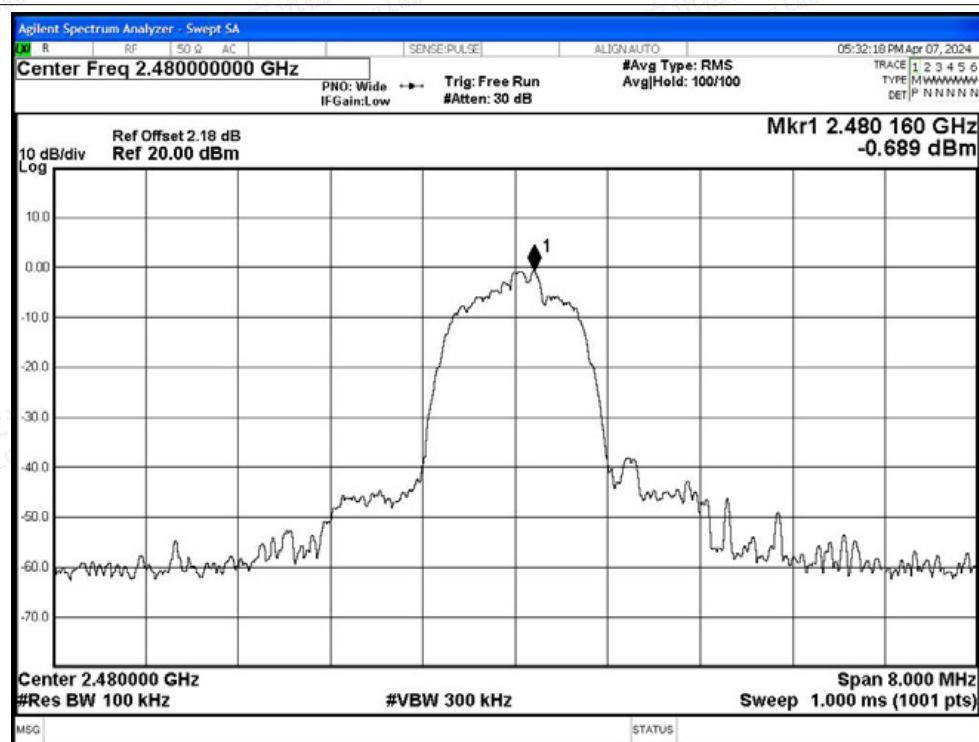


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

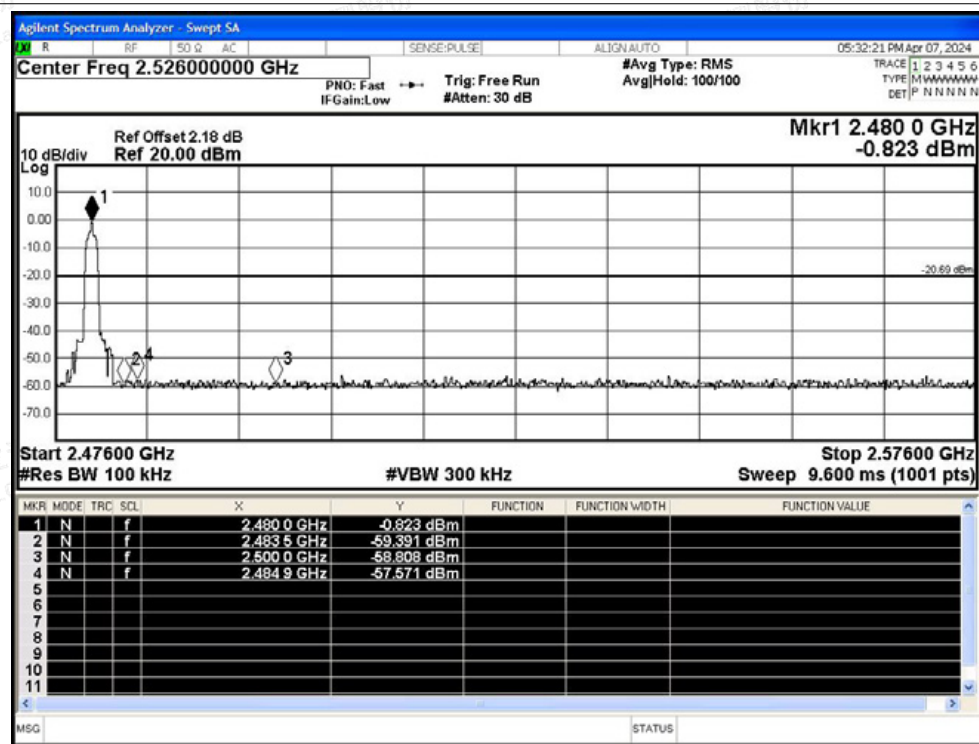




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

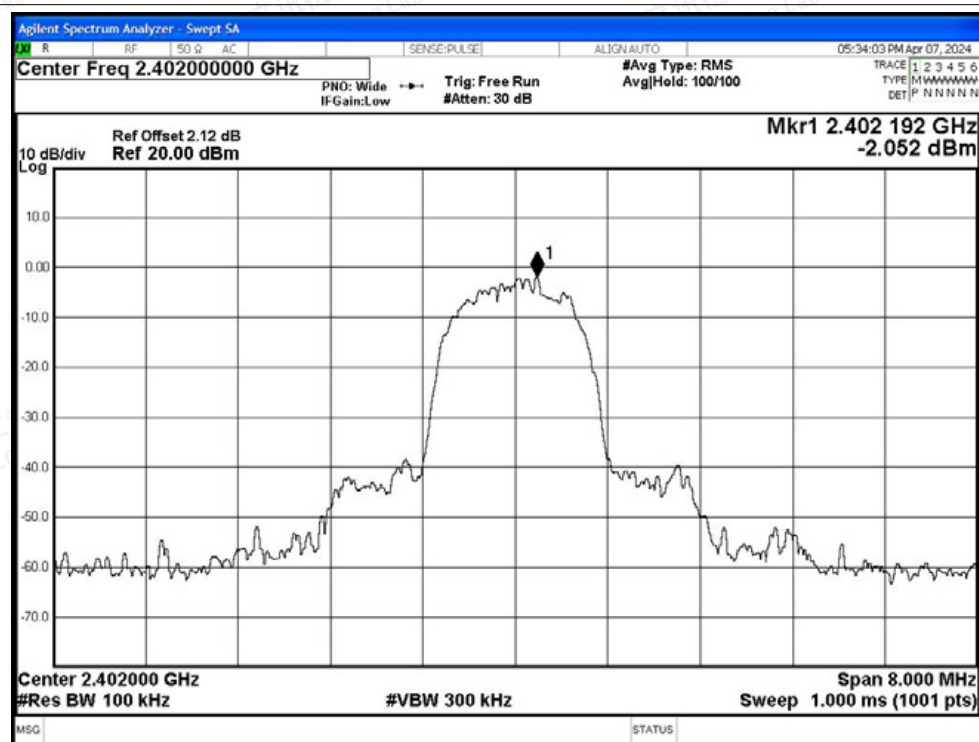


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

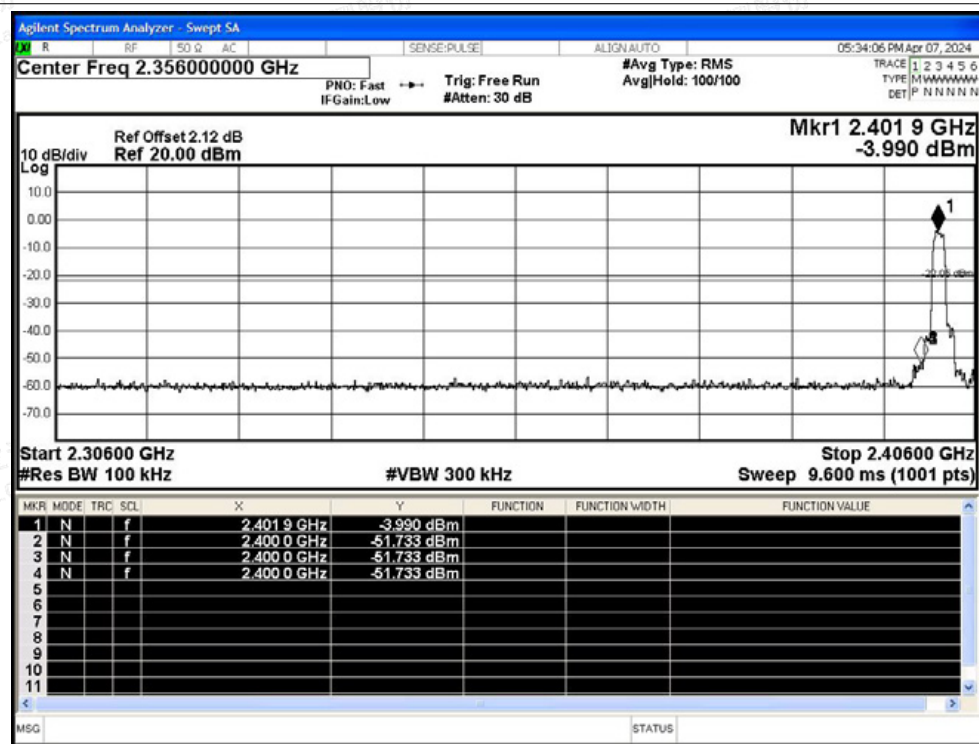




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

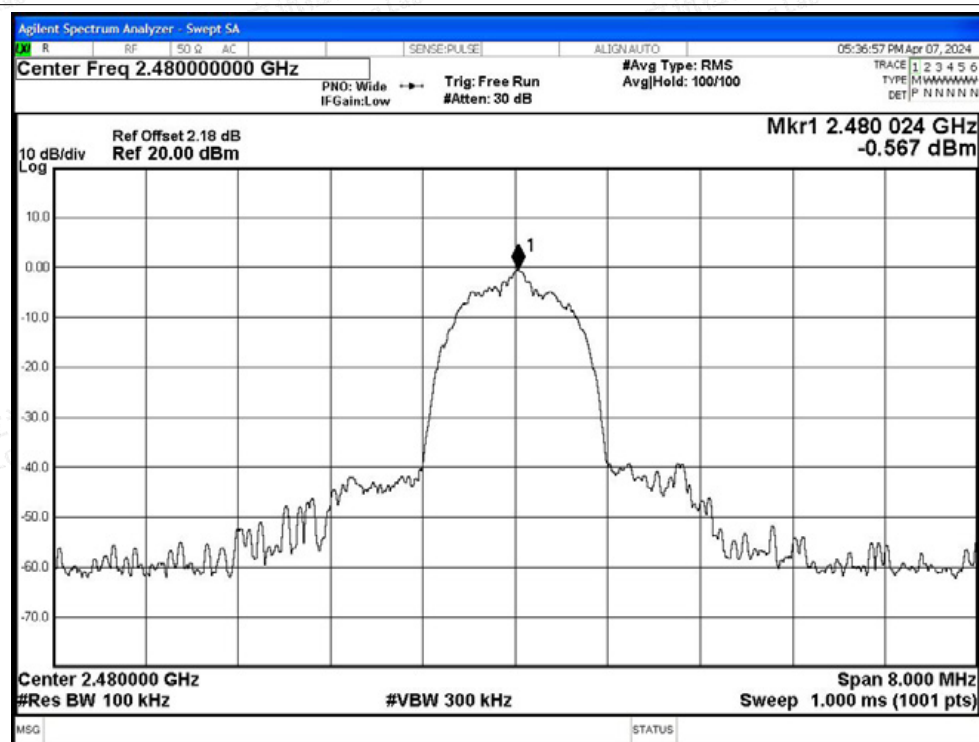


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

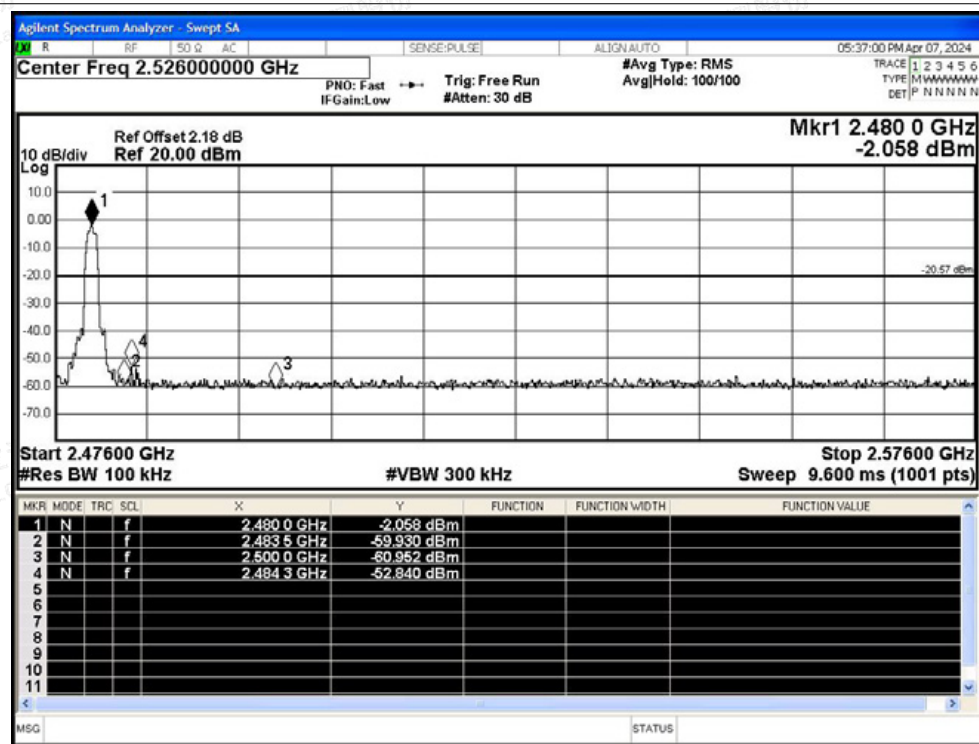




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

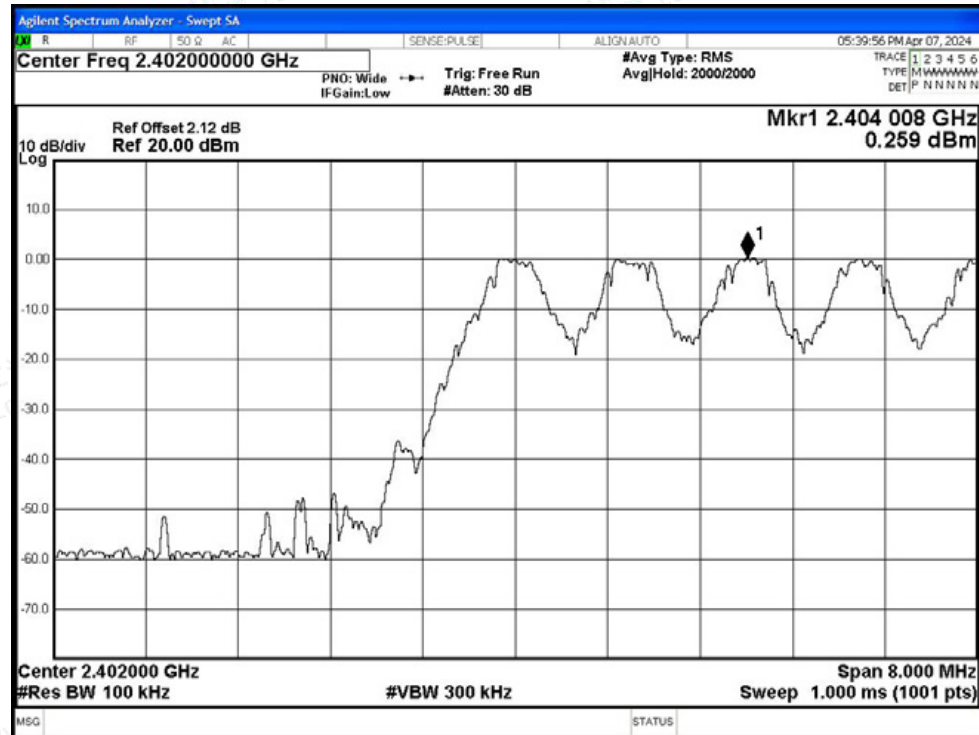
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-56.45	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-52.62	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.24	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.13	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.22	-20	Pass



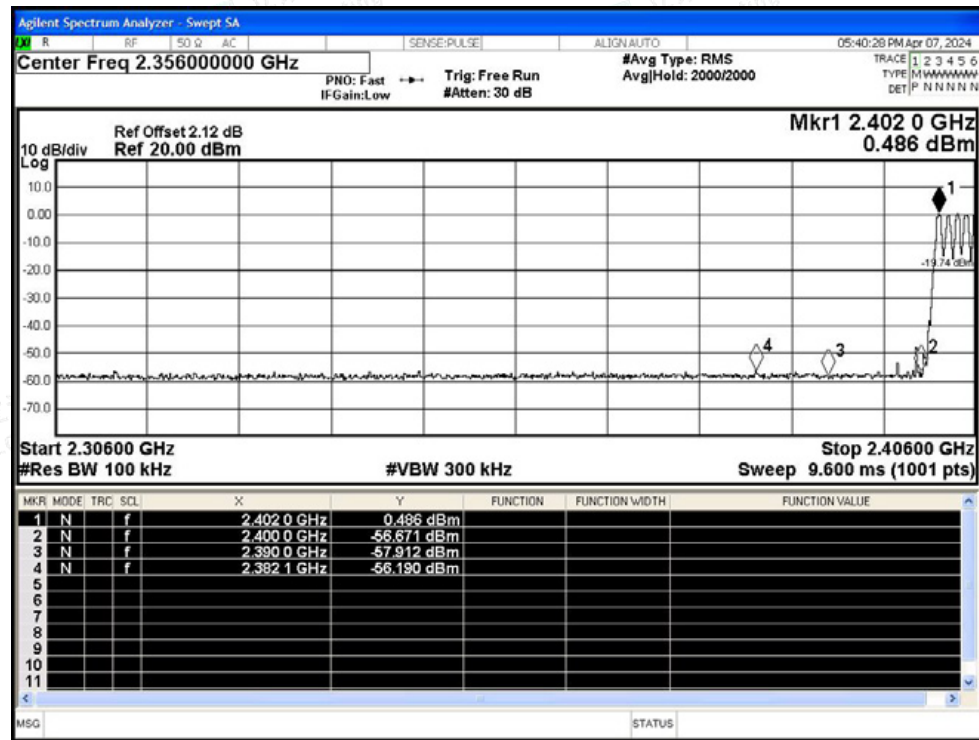


Test Graphs

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

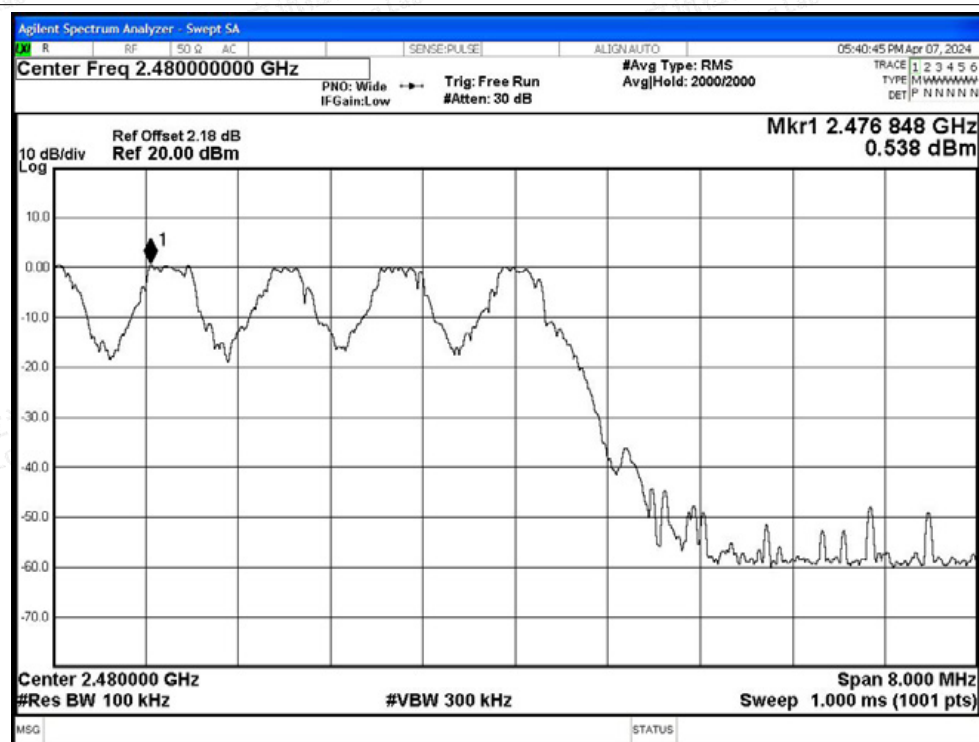


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

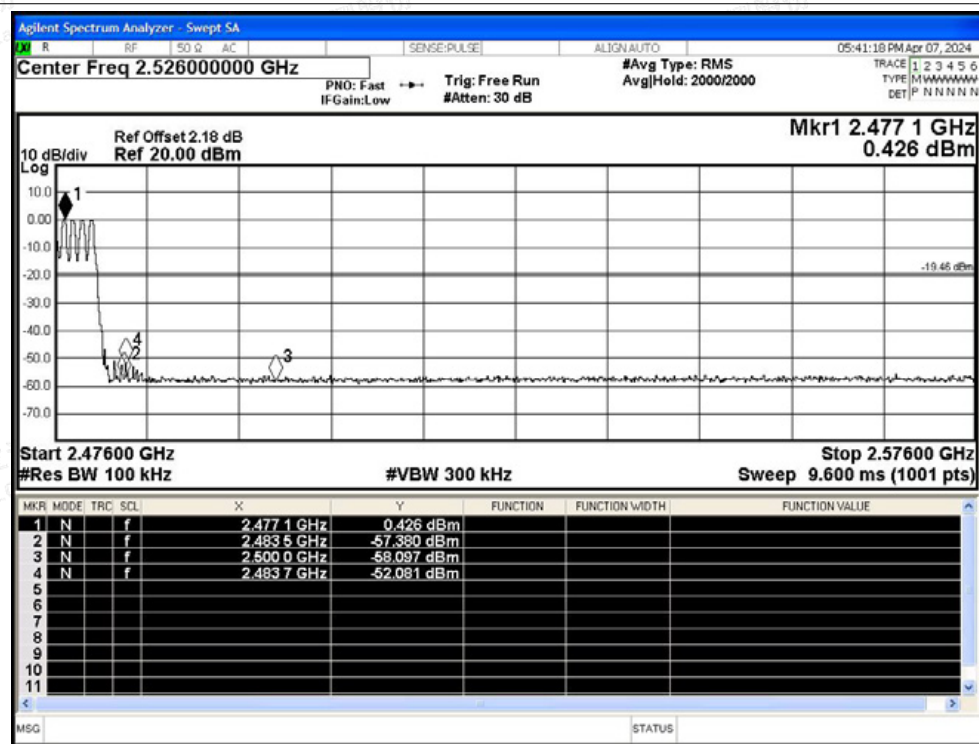




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

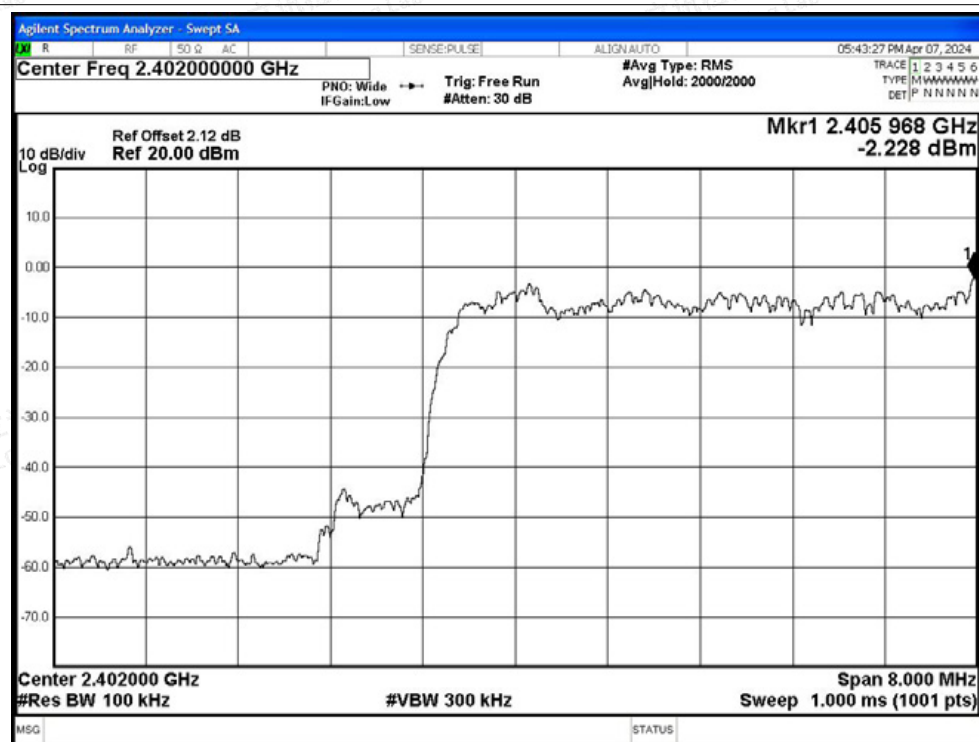


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

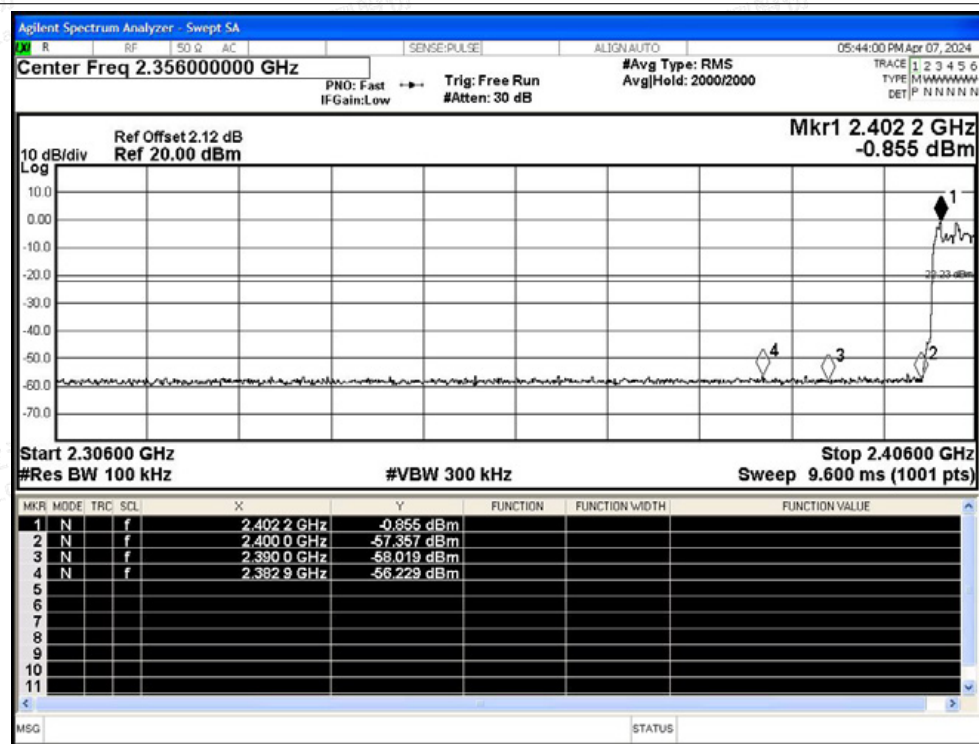




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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



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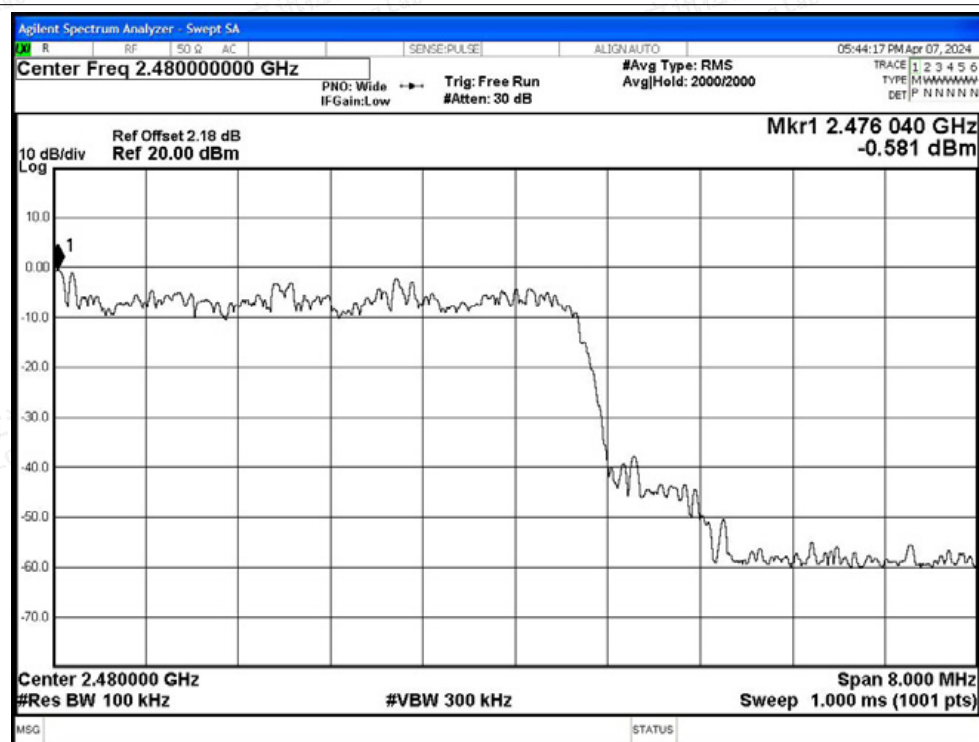
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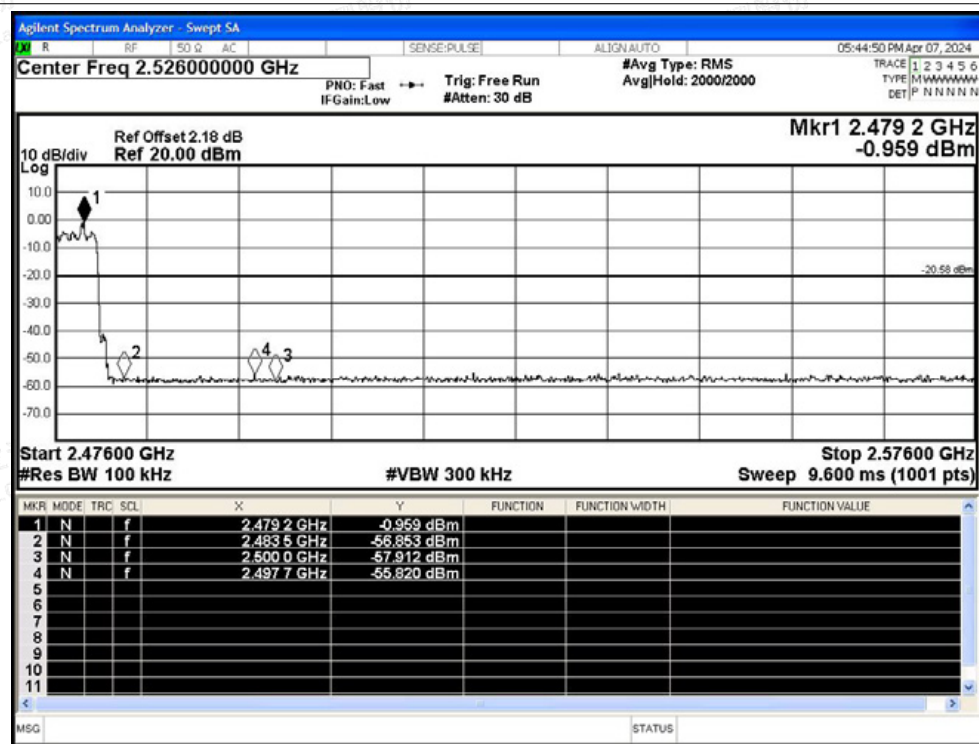
Scan code to check authenticity



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



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

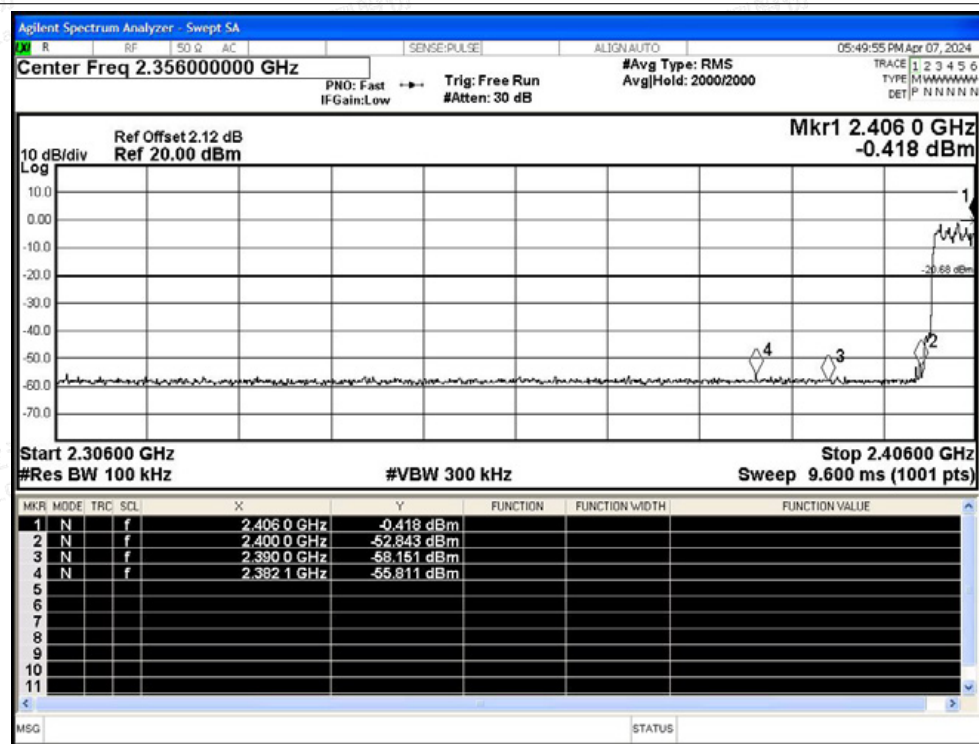




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

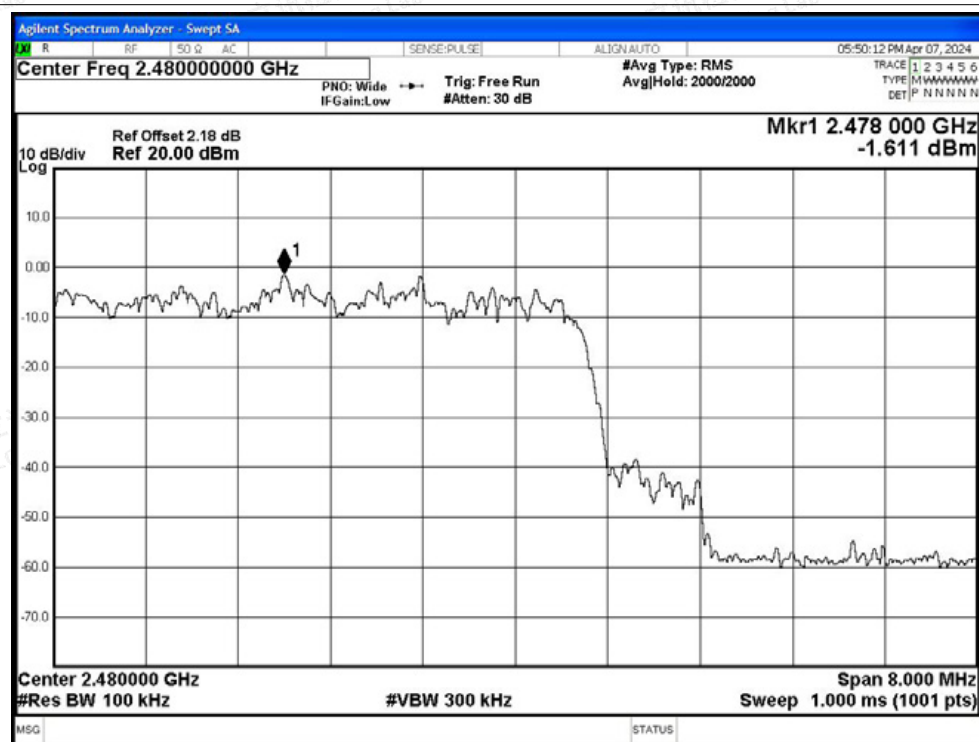


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

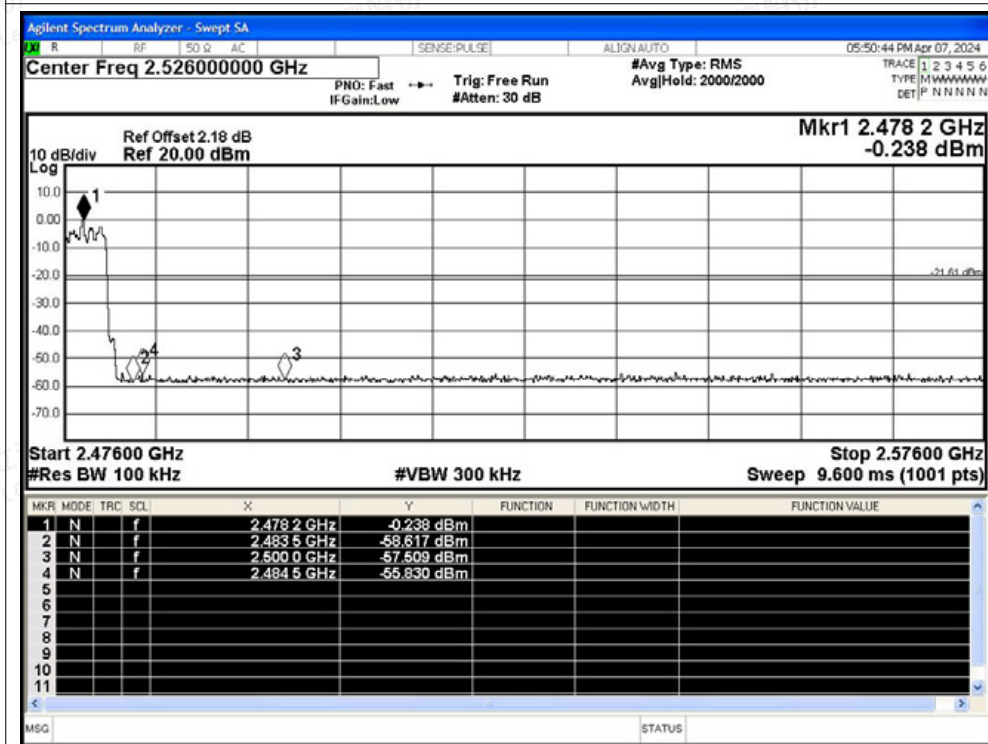




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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





A.7 Conducted RF Spurious Emission

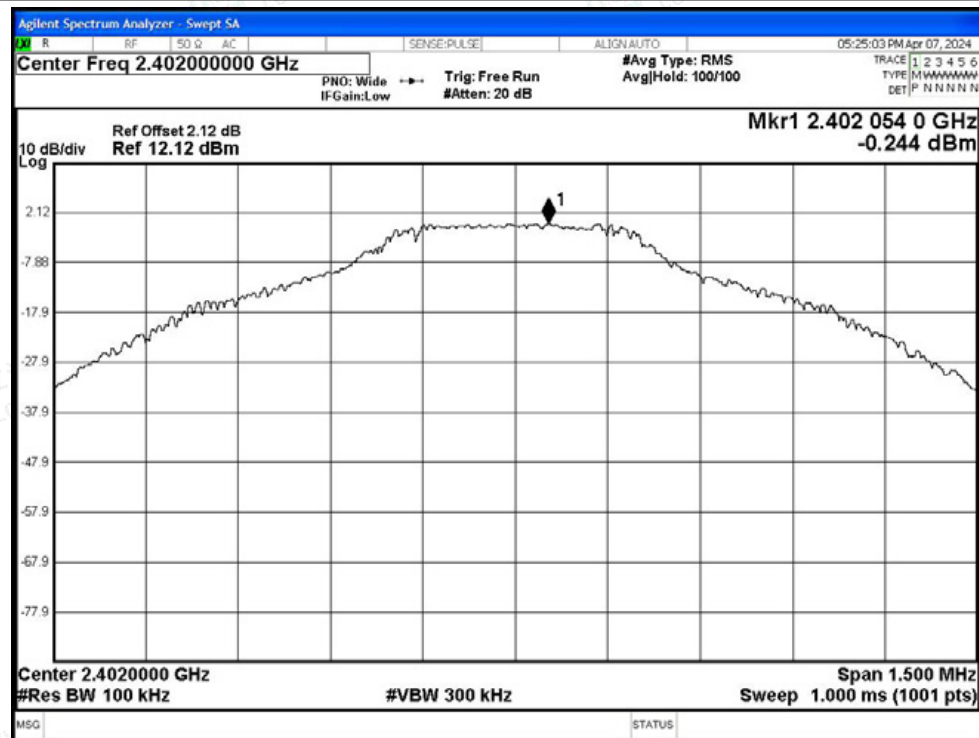
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-55.63	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.98	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.4	-20	Pass
NVNT	2-DH5	2402	Ant1	-50.63	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.98	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.48	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.93	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.69	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.89	-20	Pass



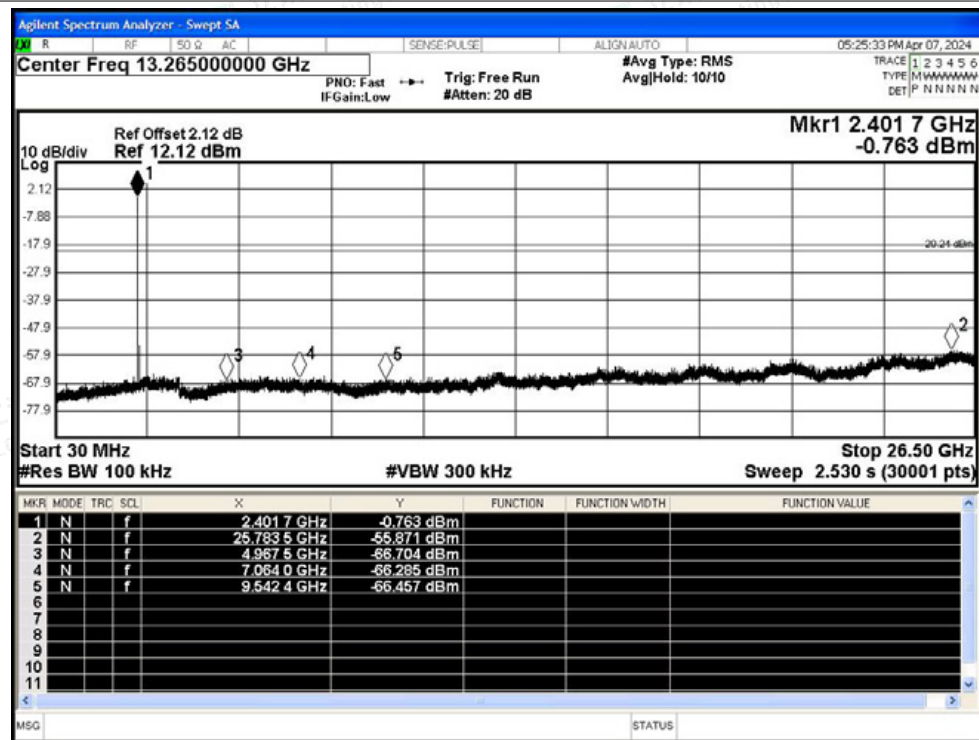


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

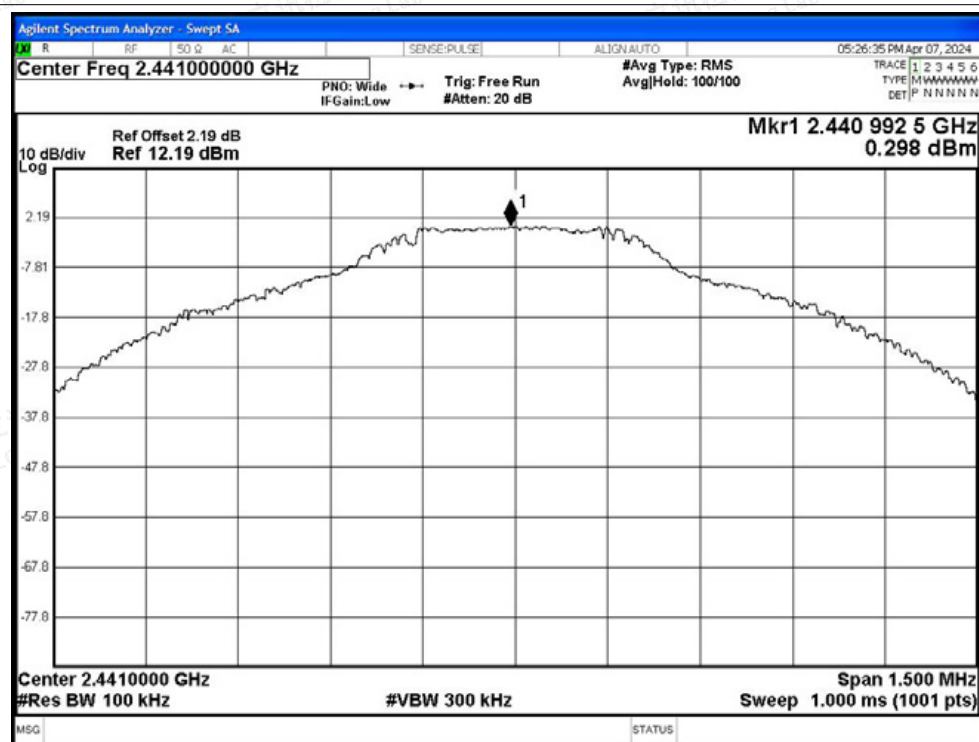


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission





Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

