



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Edge2 Maker Kit

Test Model: Edge2 Basic

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Wunder Wu
Supervised by:	Li Huan



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
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A.1 -20dB Bandwidth

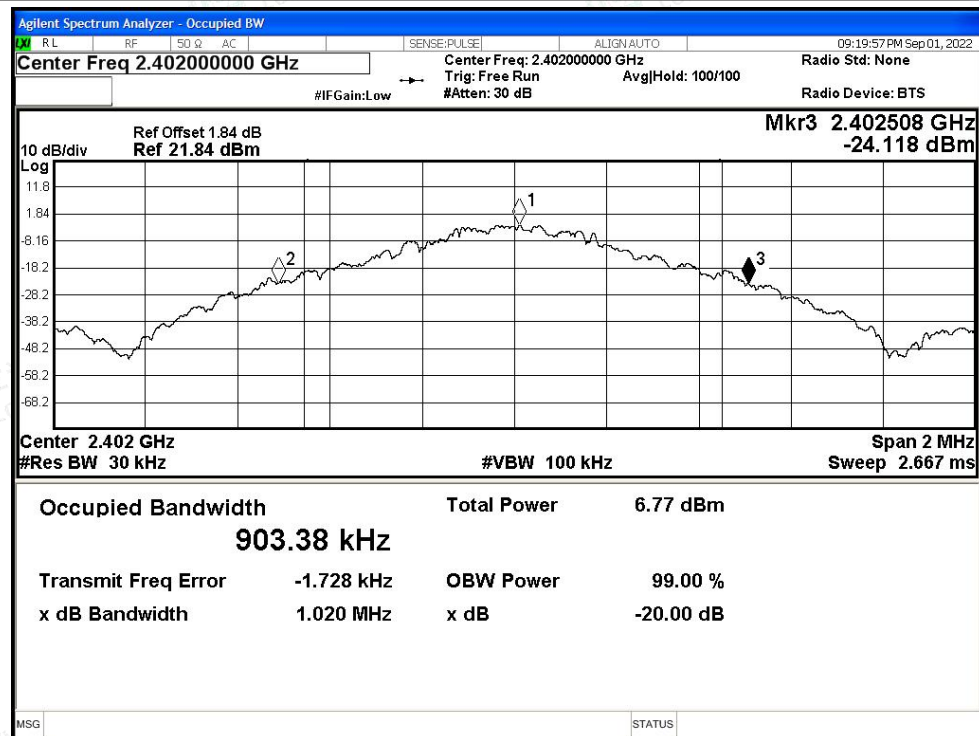
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant0	1.02	N/A	Pass
NVNT	1-DH5	2441	Ant0	1.002	N/A	Pass
NVNT	1-DH5	2480	Ant0	1.016	N/A	Pass
NVNT	2-DH5	2402	Ant0	1.283	N/A	Pass
NVNT	2-DH5	2441	Ant0	1.28	N/A	Pass
NVNT	2-DH5	2480	Ant0	1.29	N/A	Pass
NVNT	3-DH5	2402	Ant0	1.316	N/A	Pass
NVNT	3-DH5	2441	Ant0	1.281	N/A	Pass
NVNT	3-DH5	2480	Ant0	1.298	N/A	Pass



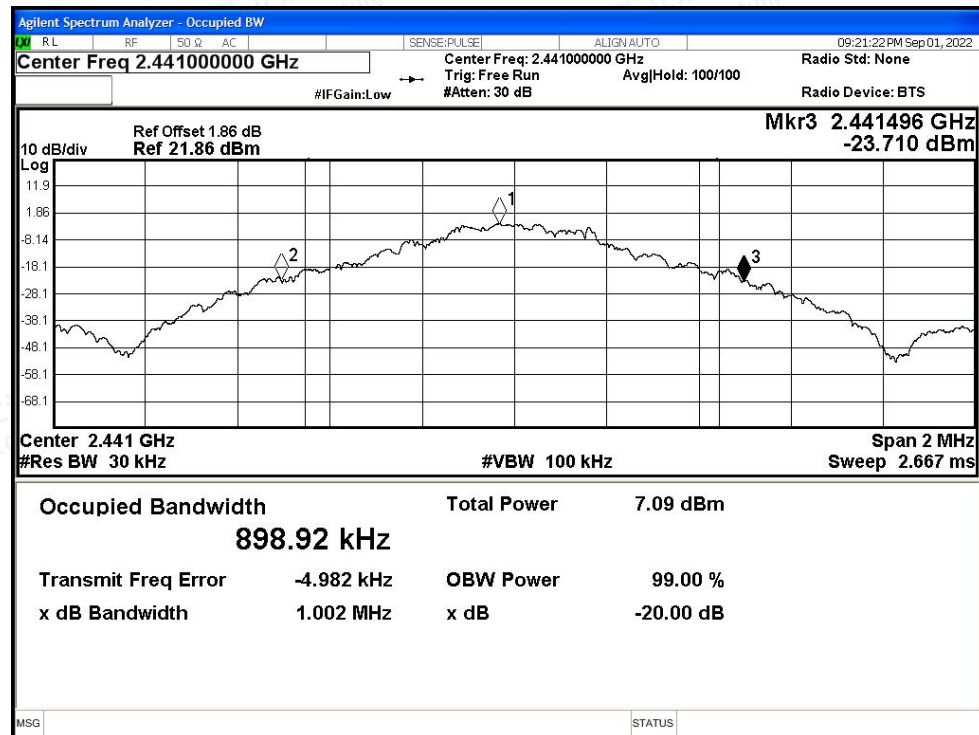


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant0

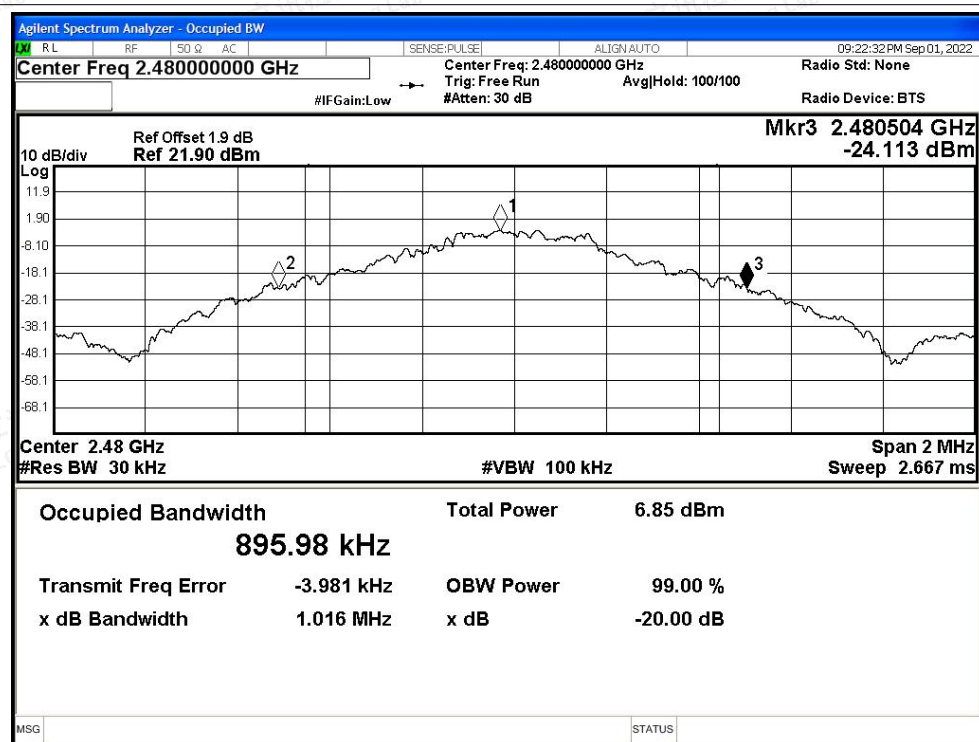


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant0

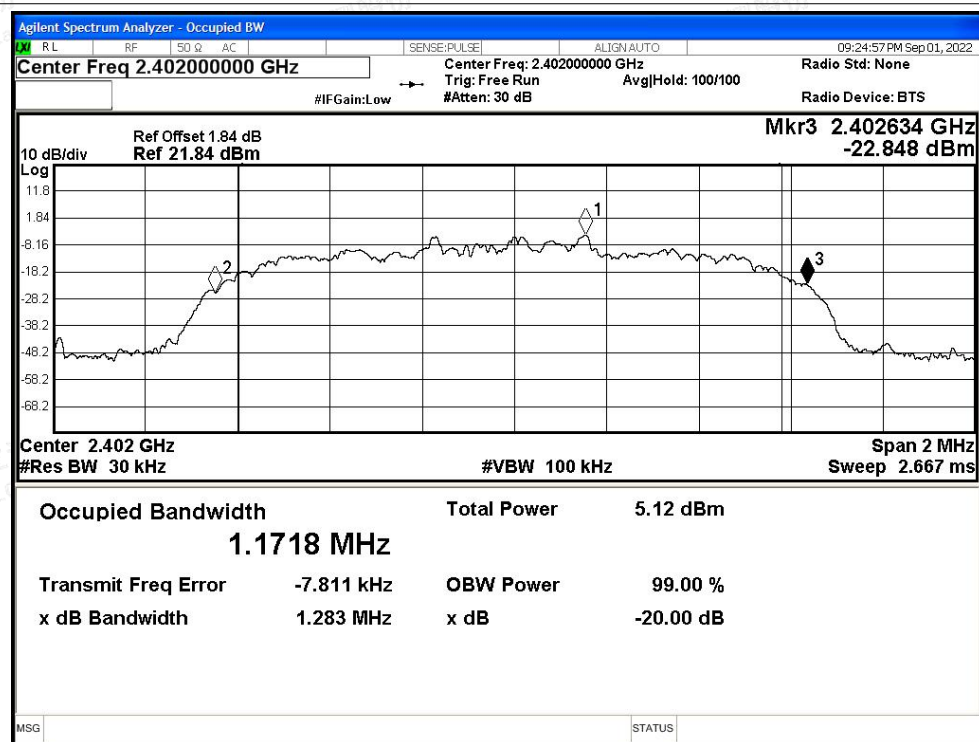




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant0



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant0



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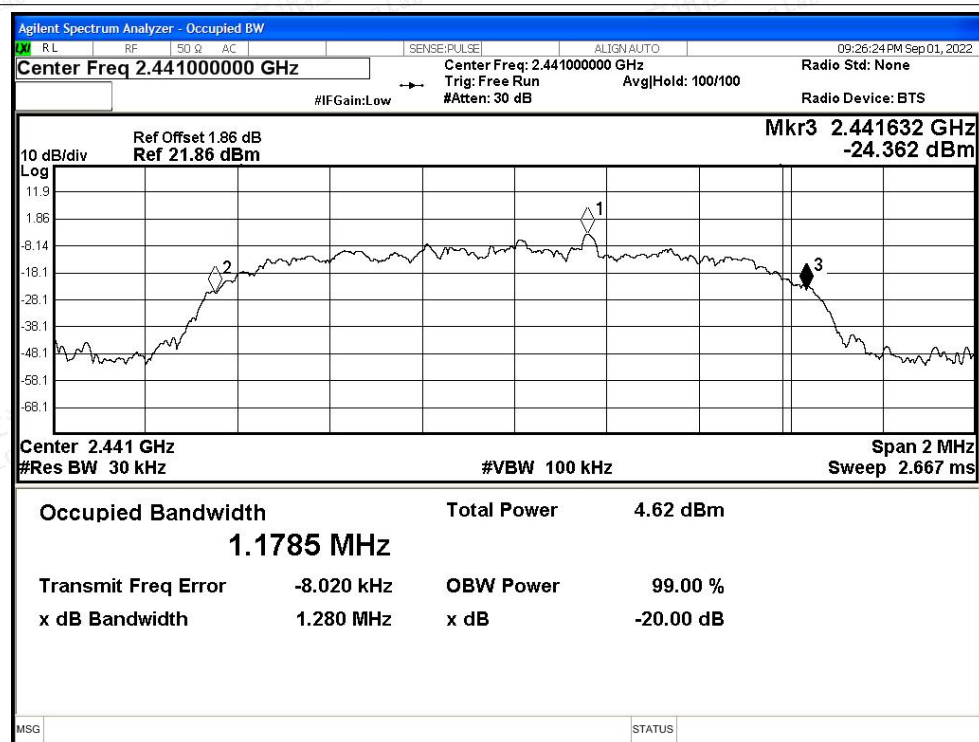
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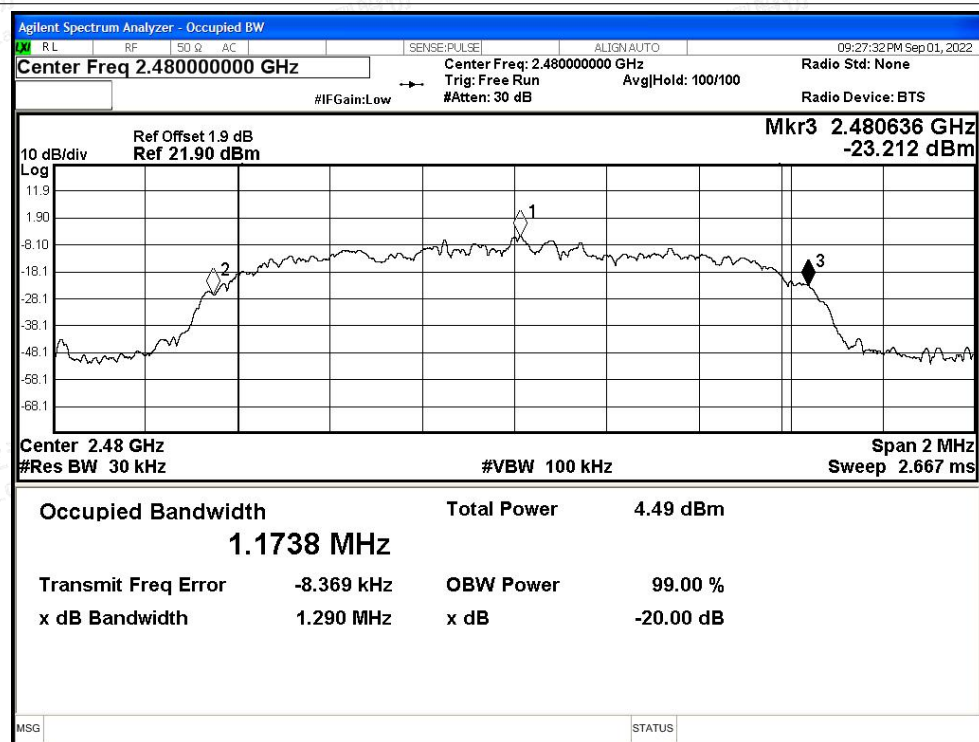
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-20dB Bandwidth NVNT 2-DH5 2441MHz Ant0

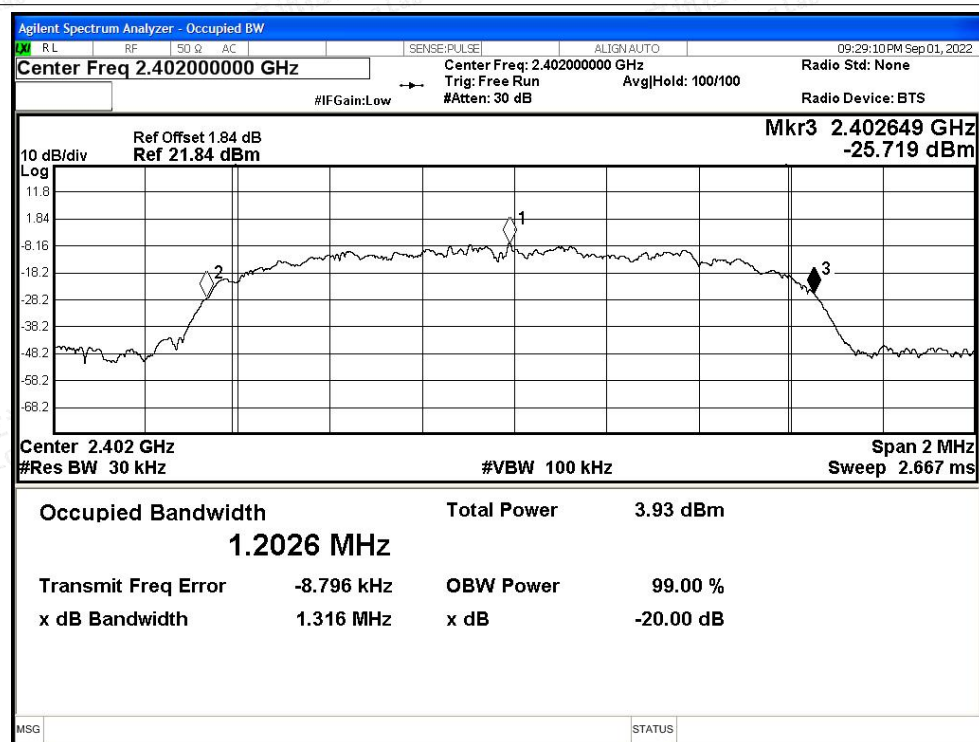


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant0

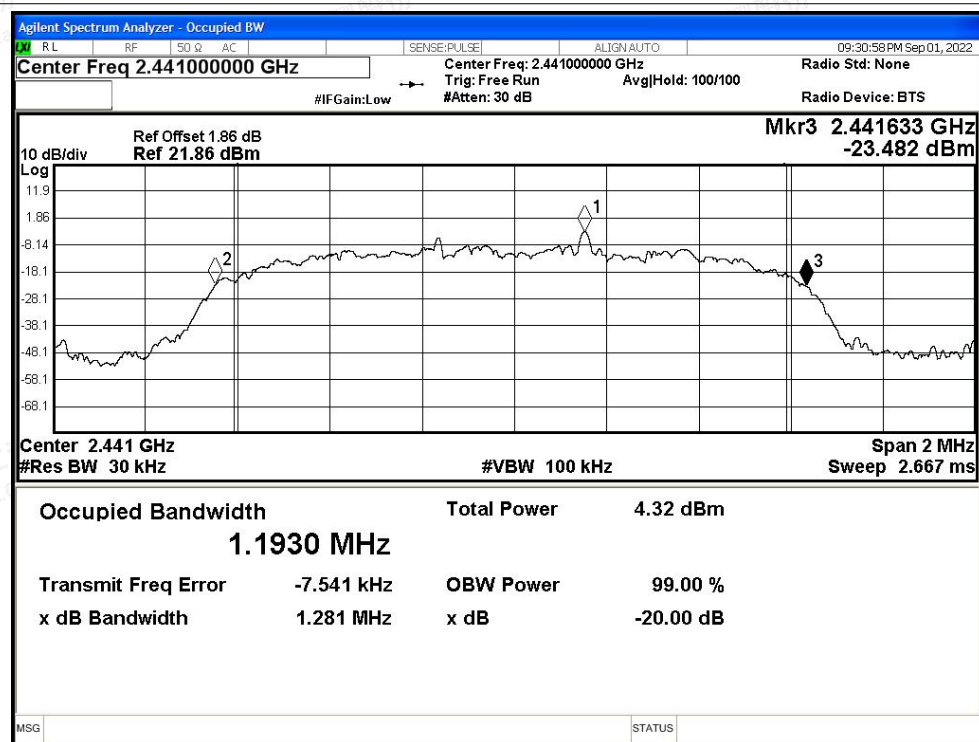


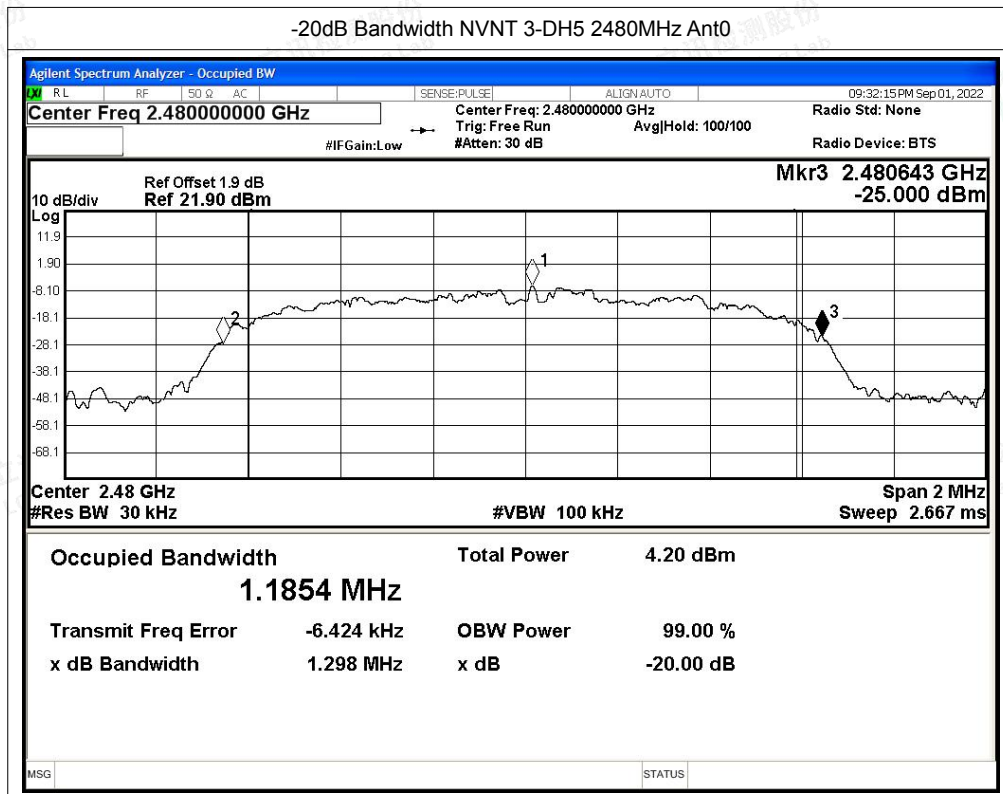


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant0



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant0







A.2 Maximum Peak Conducted Output Power

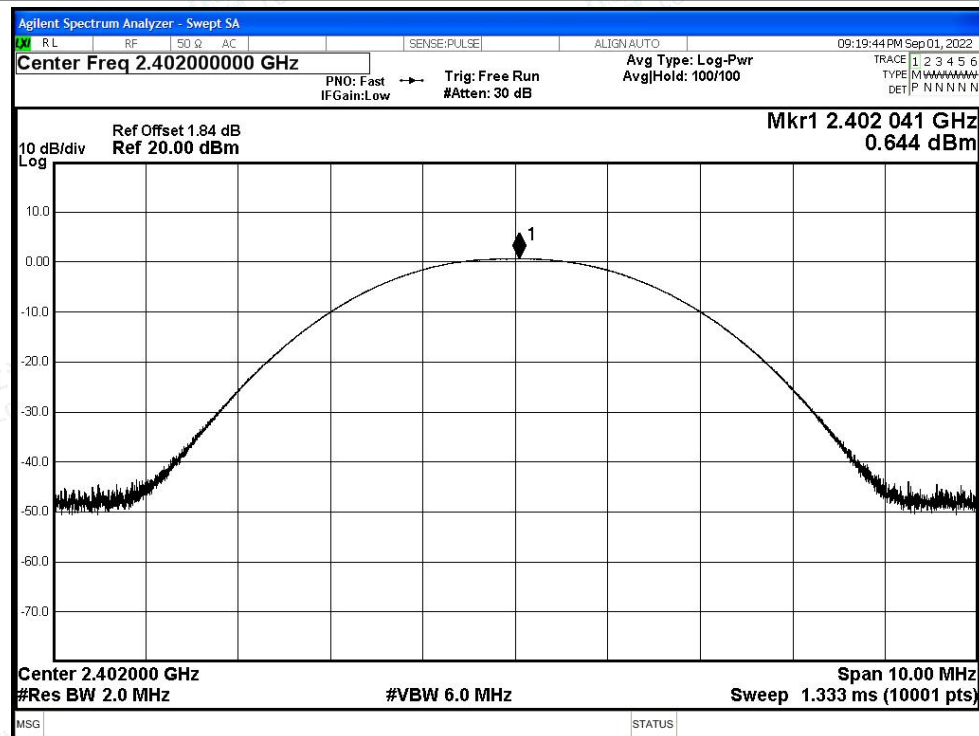
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant0	0.64	21	Pass
NVNT	1-DH5	2441	Ant0	0.77	21	Pass
NVNT	1-DH5	2480	Ant0	0.56	21	Pass
NVNT	2-DH5	2402	Ant0	0.47	21	Pass
NVNT	2-DH5	2441	Ant0	0.57	21	Pass
NVNT	2-DH5	2480	Ant0	0	21	Pass
NVNT	3-DH5	2402	Ant0	0.48	21	Pass
NVNT	3-DH5	2441	Ant0	0.28	21	Pass
NVNT	3-DH5	2480	Ant0	0.44	21	Pass



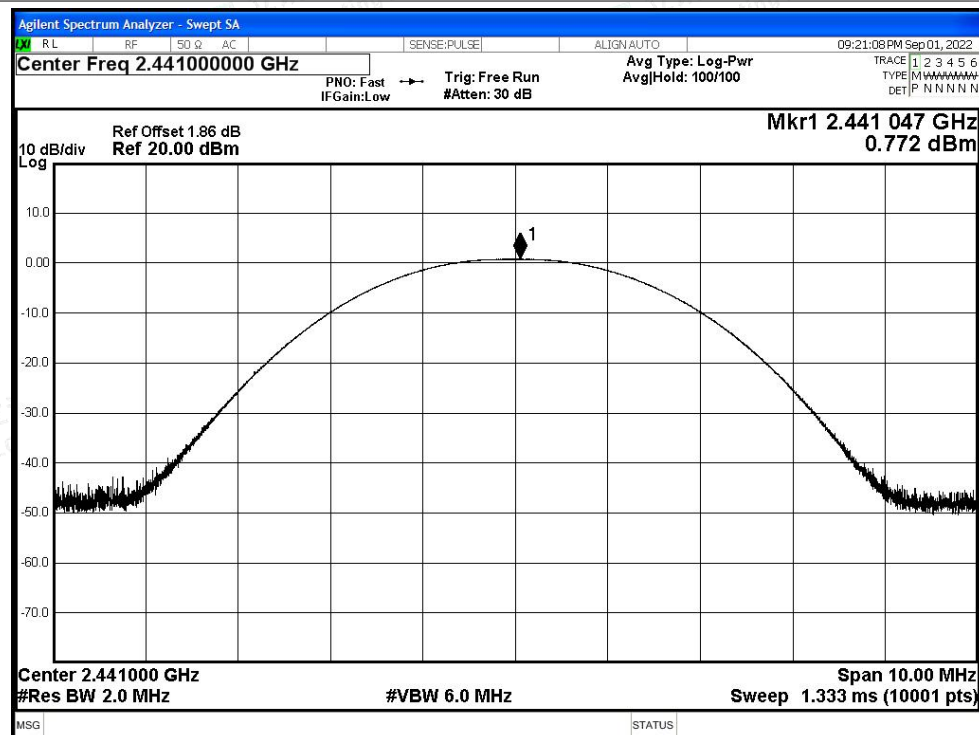


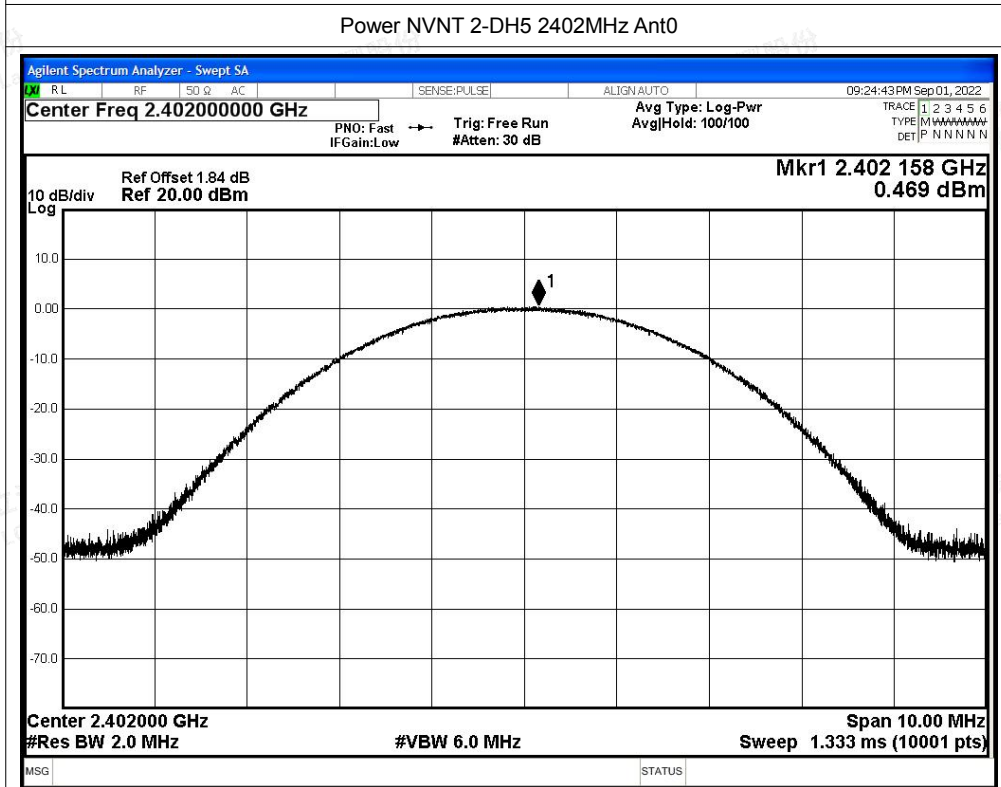
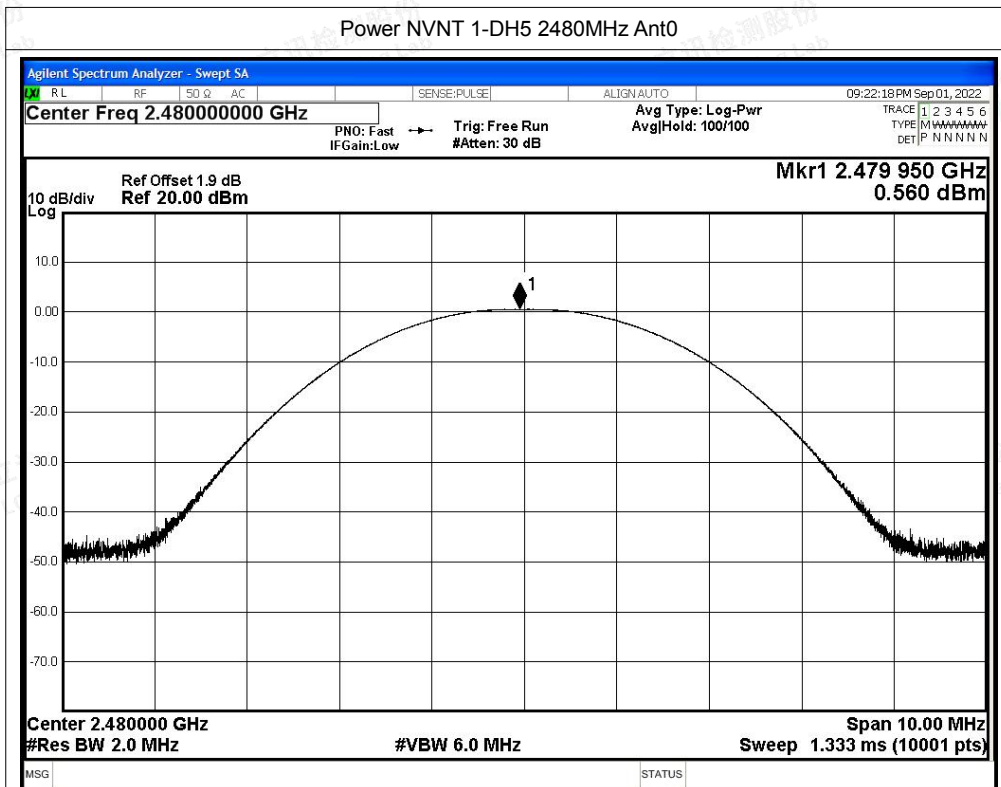
Test Graphs

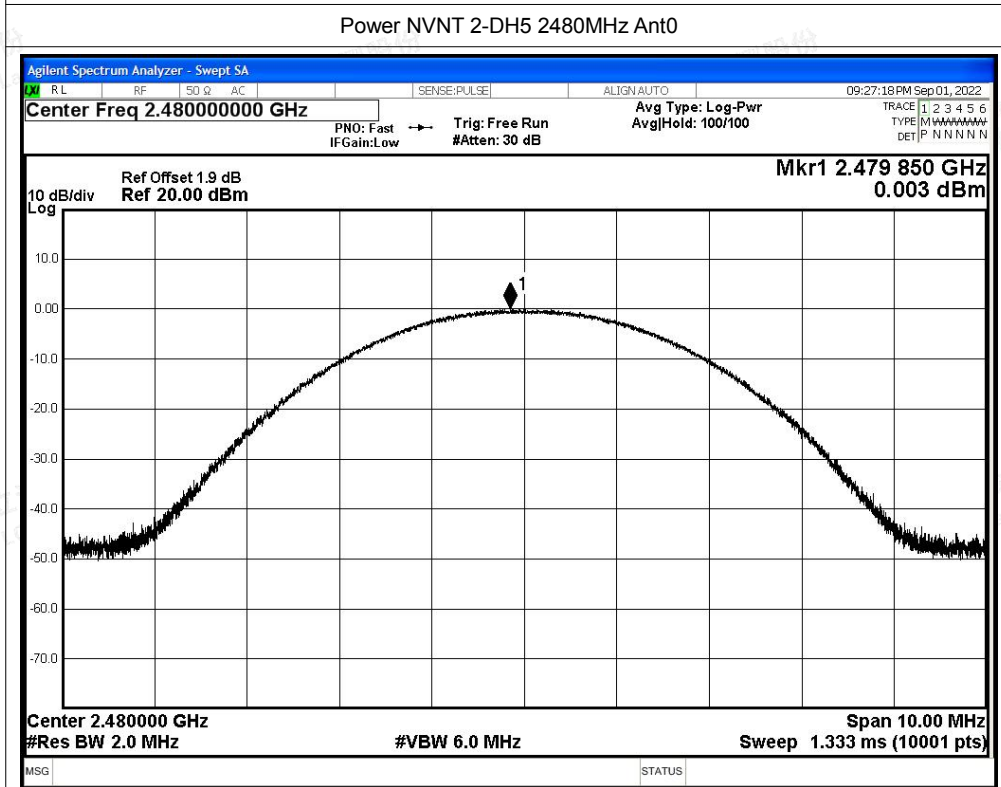
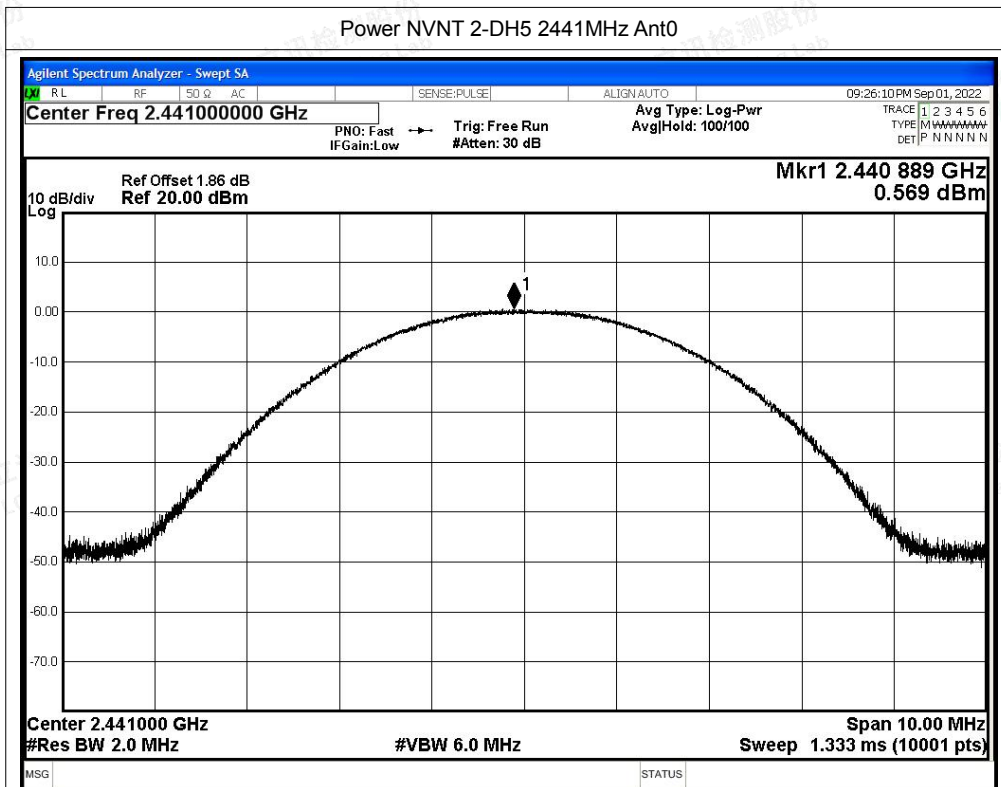
Power NVNT 1-DH5 2402MHz Ant0

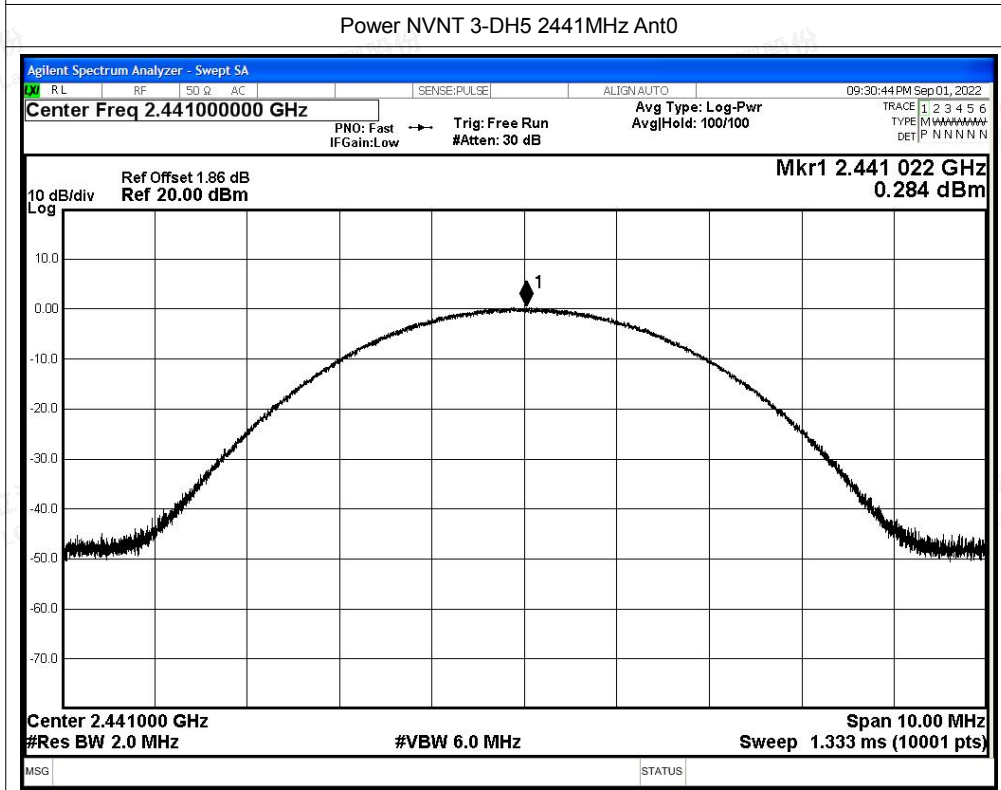
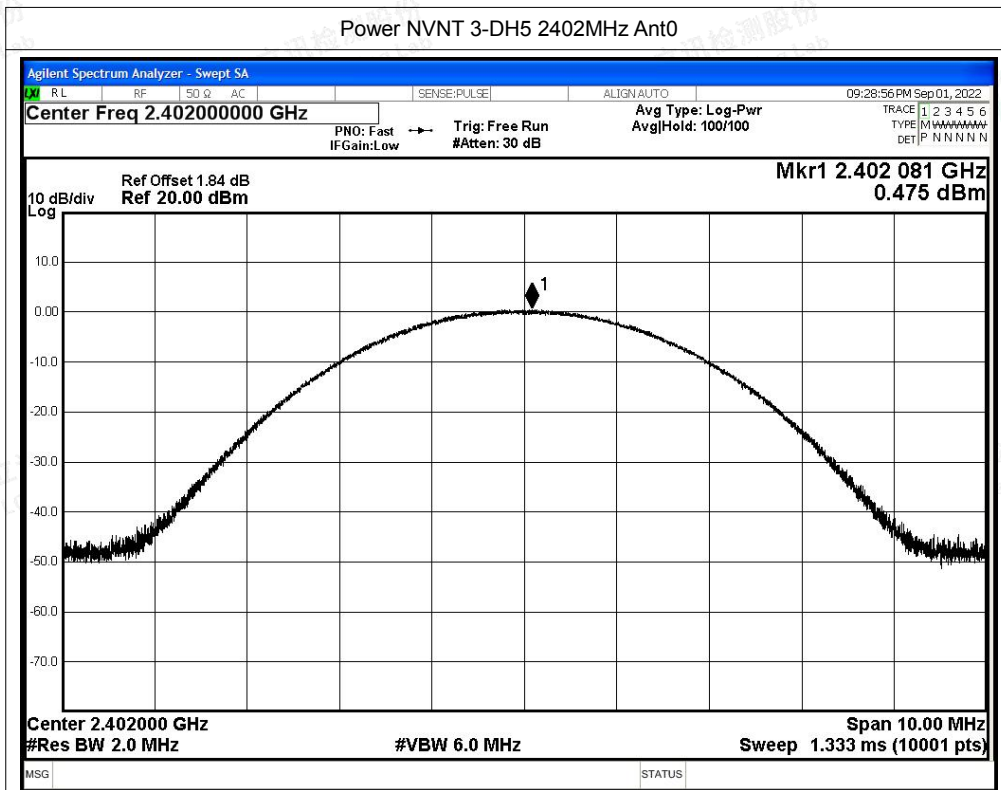


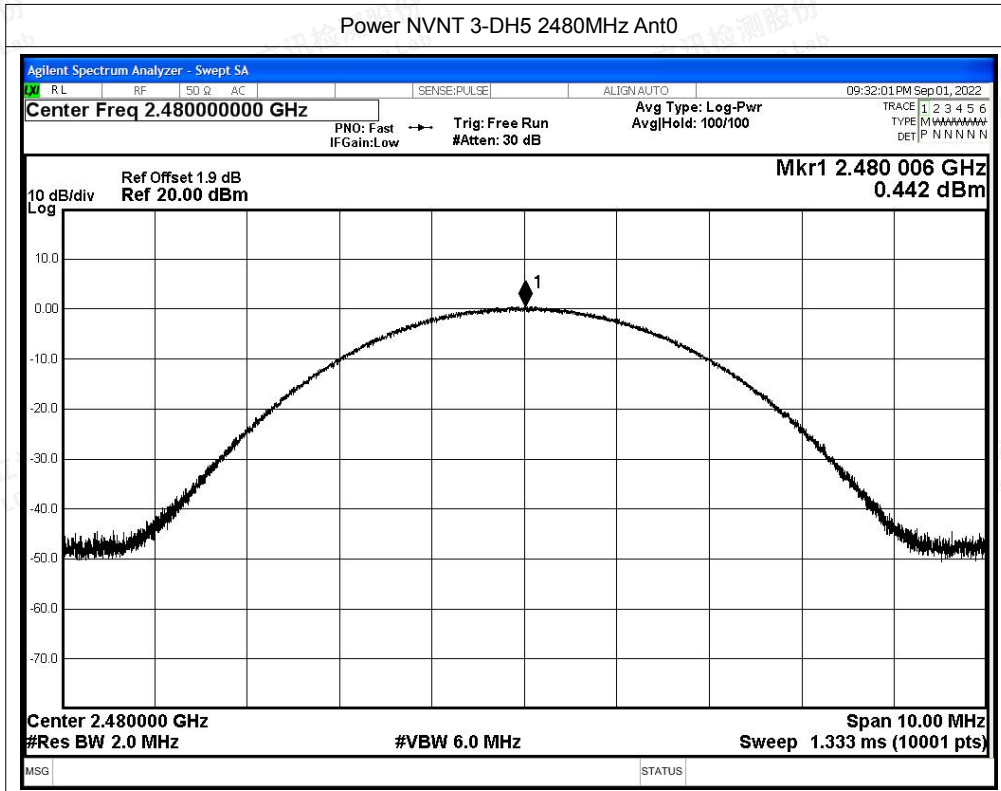
Power NVNT 1-DH5 2441MHz Ant0













A.3 Carrier Frequencies Separation

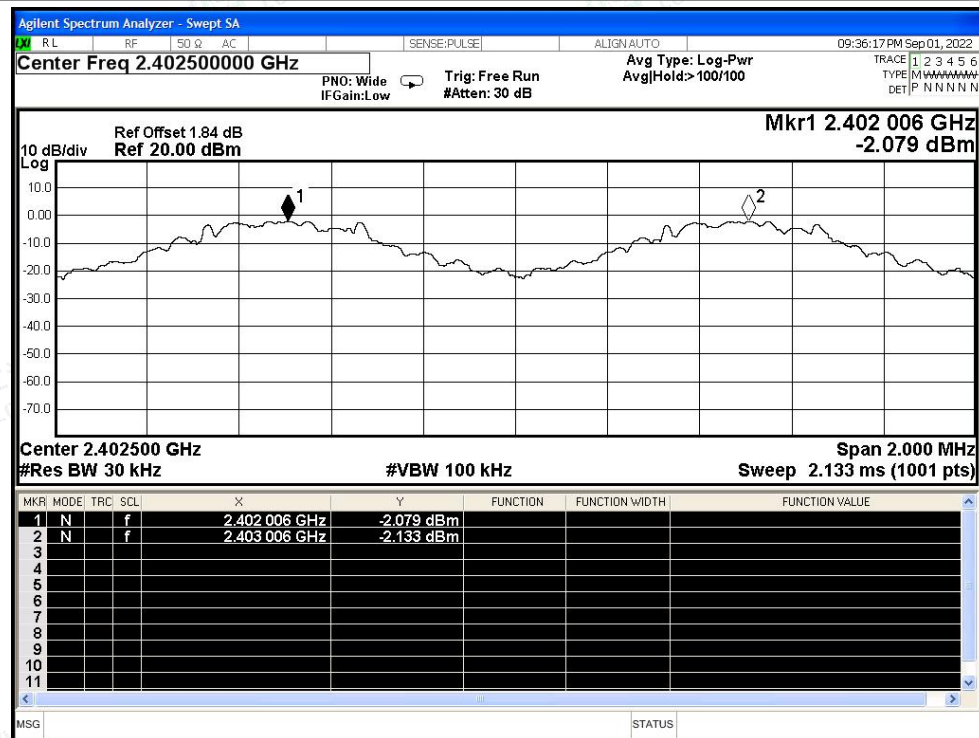
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant0	2402.006	2403.006	1	0.68	Pass
NVNT	2-DH5	Ant0	2402.006	2403.006	1	0.855	Pass
NVNT	3-DH5	Ant0	2402.01	2403.158	1.148	0.877	Pass



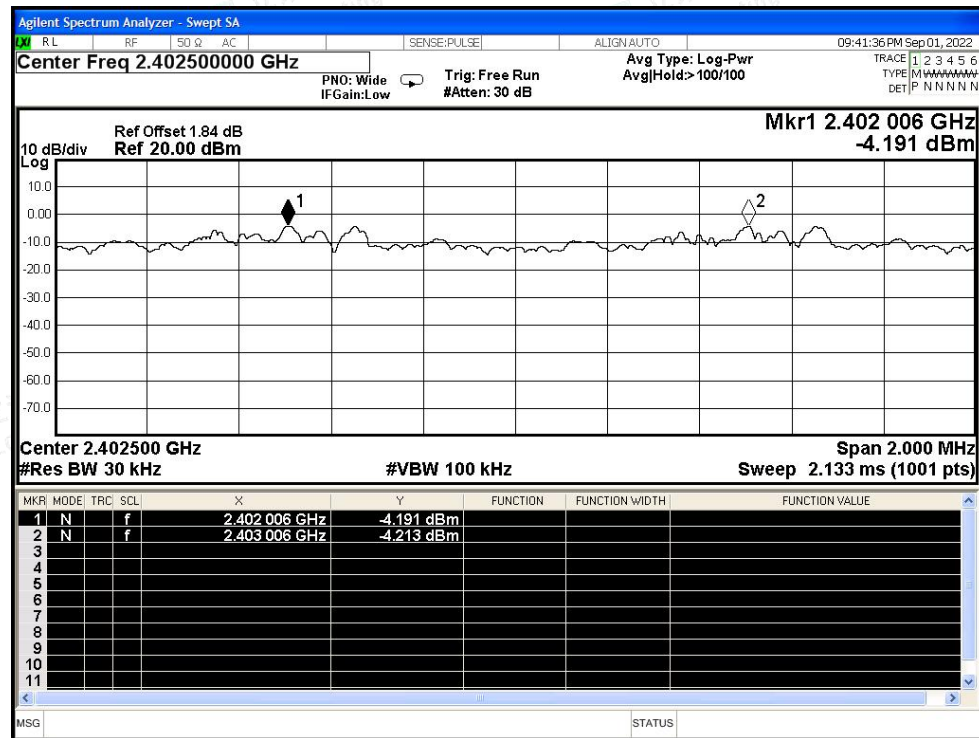


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant0



CFS NVNT 2-DH5 2402MHz Ant0

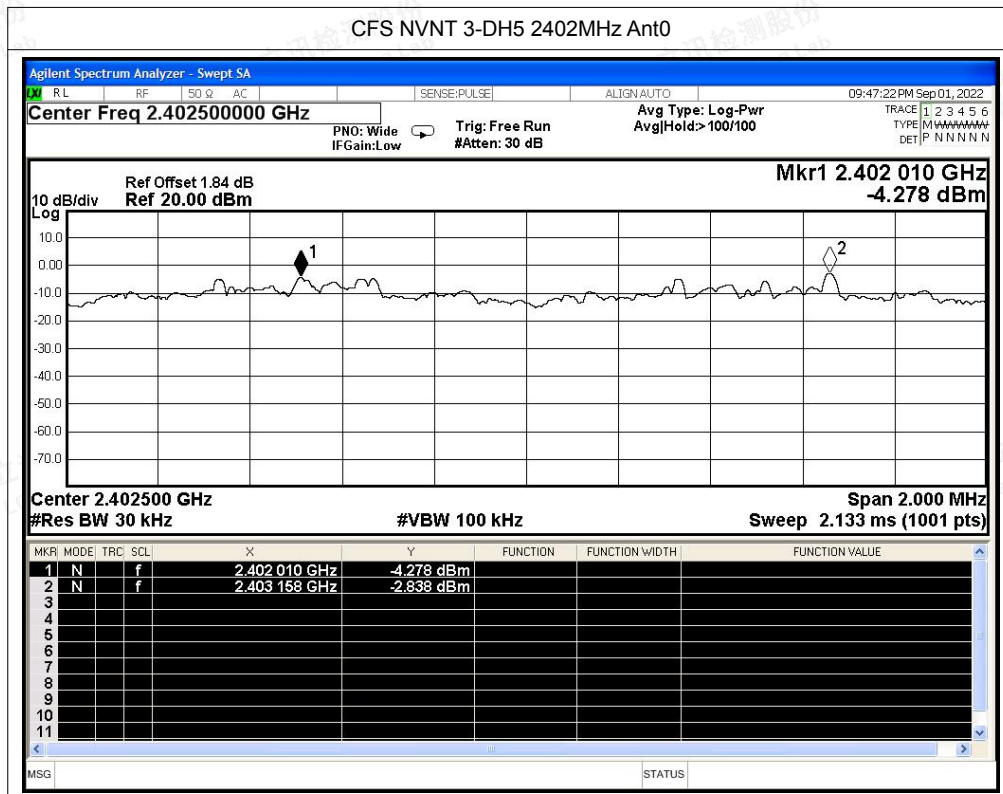


Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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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	Ant0	2.881	305.386	106	31600	400	Pass
NVNT	2-DH5	2402	Ant0	2.881	299.624	104	31600	400	Pass
NVNT	3-DH5	2402	Ant0	2.887	308.909	107	31600	400	Pass

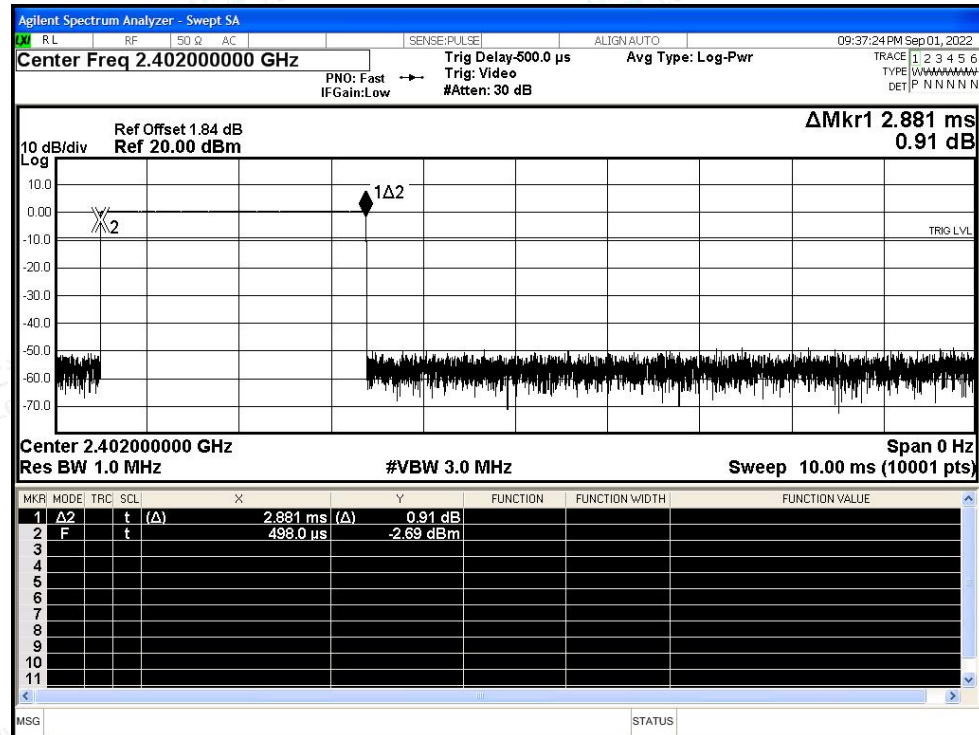


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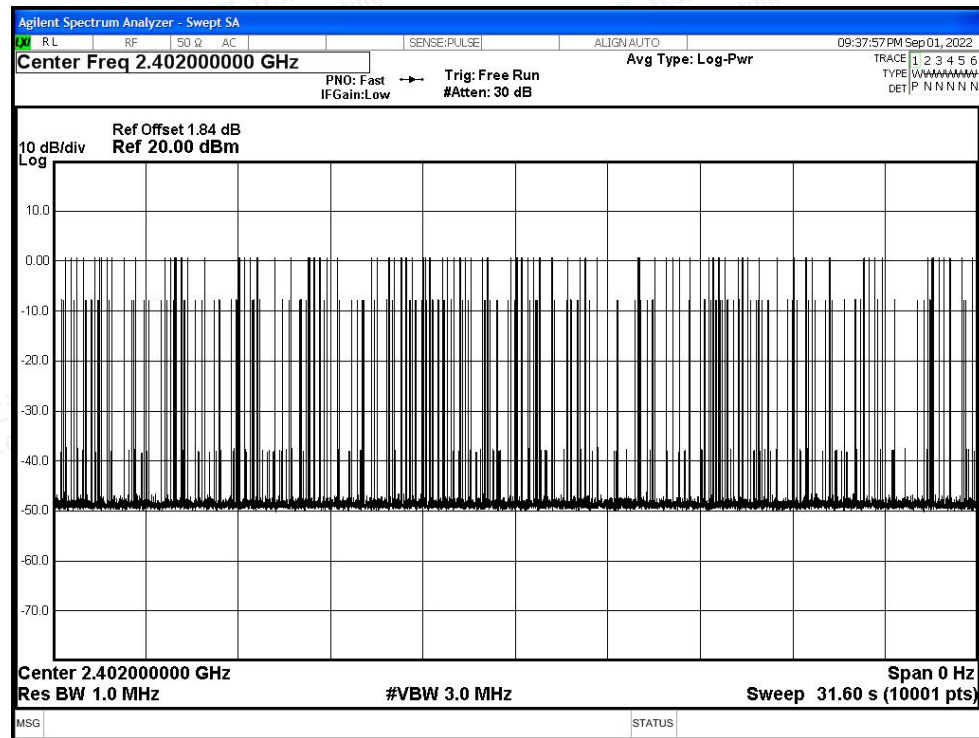


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant0 One Burst

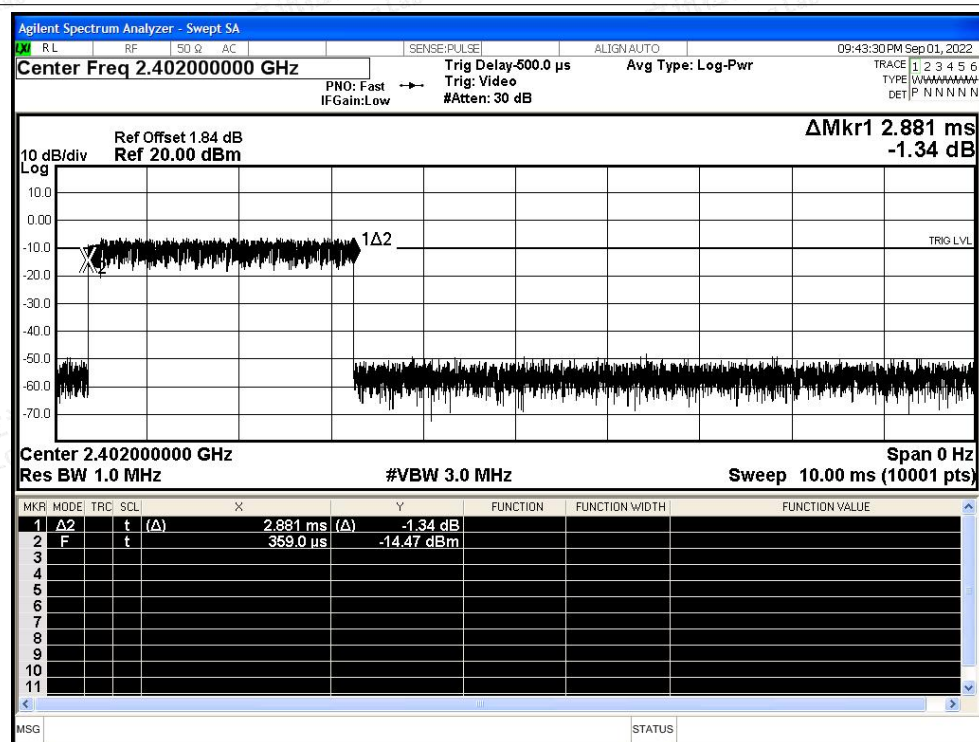


Dwell NVNT 1-DH5 2402MHz Ant0 Accumulated

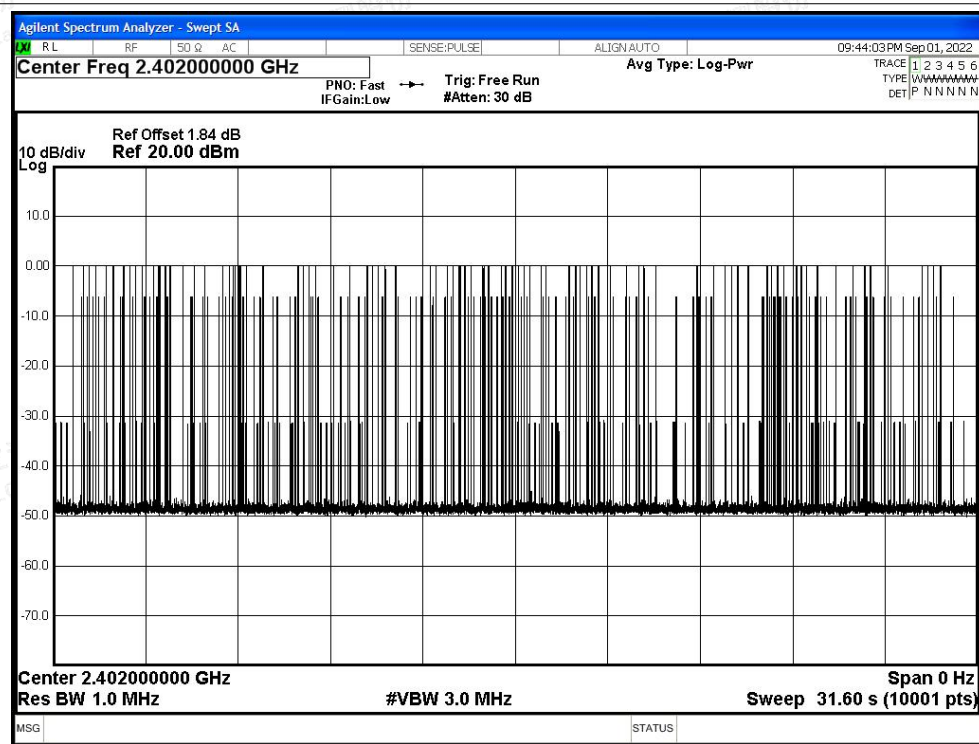




Dwell NVNT 2-DH5 2402MHz Ant0 One Burst

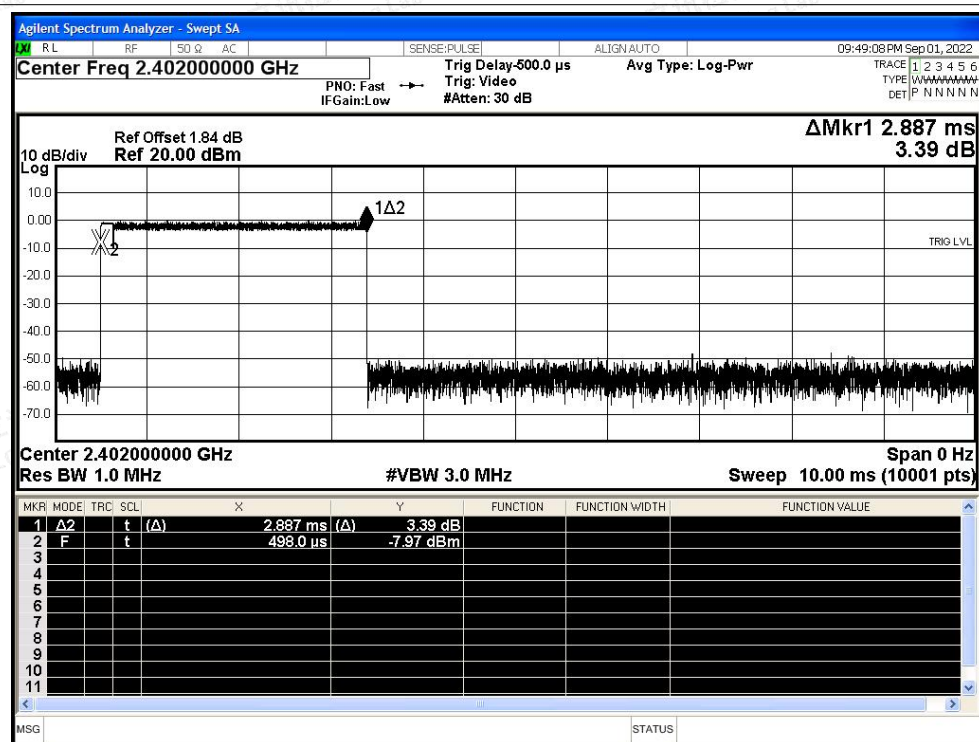


Dwell NVNT 2-DH5 2402MHz Ant0 Accumulated

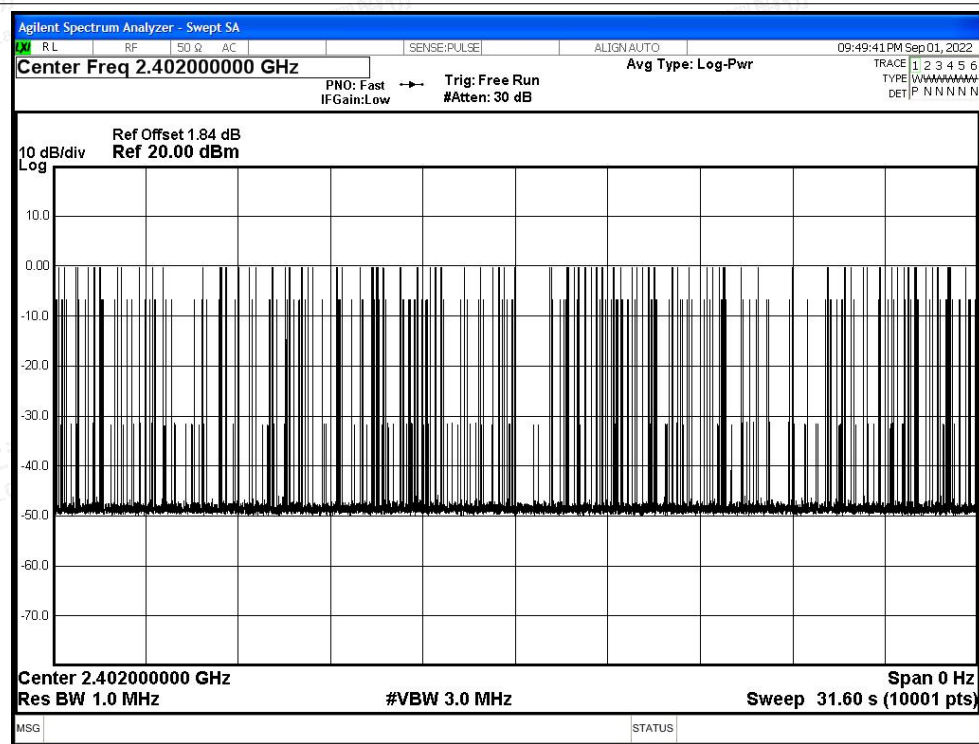




Dwell NVNT 3-DH5 2402MHz Ant0 One Burst



Dwell NVNT 3-DH5 2402MHz Ant0 Accumulated





A.5 Number of Hopping Channel

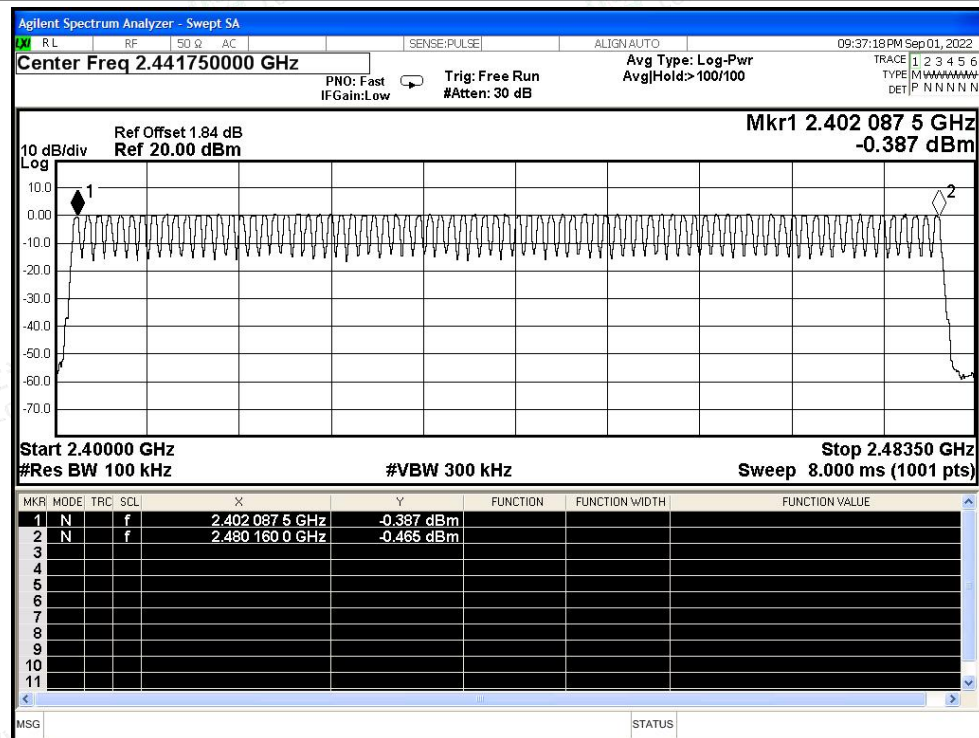
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant0	79	15	Pass
NVNT	2-DH5	Ant0	79	15	Pass
NVNT	3-DH5	Ant0	79	15	Pass



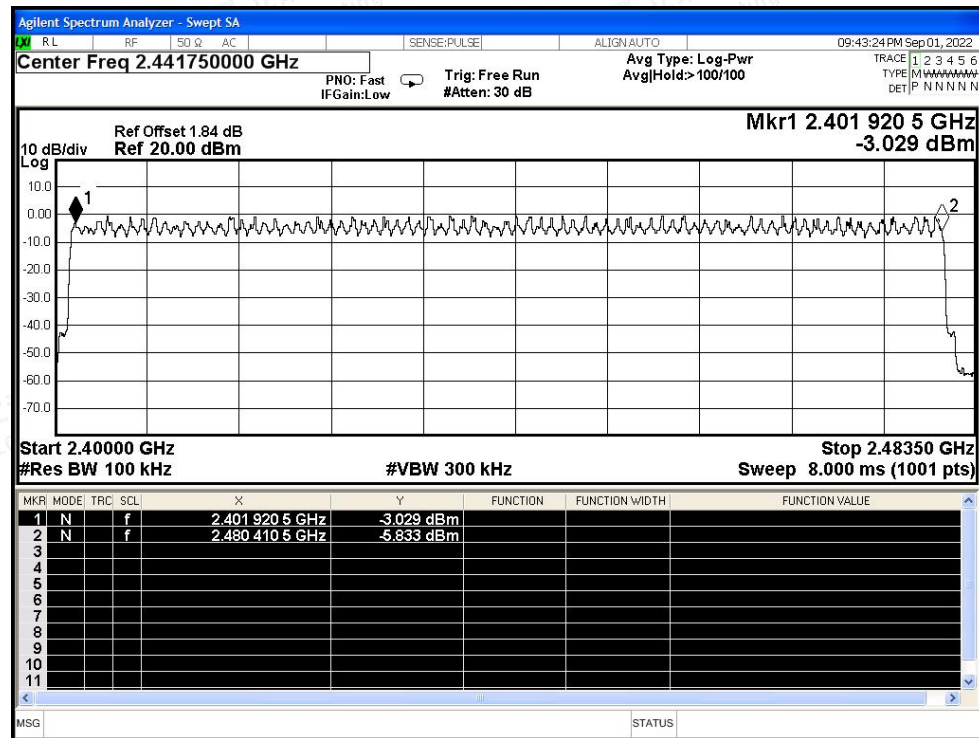


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant0



Hopping No. NVNT 2-DH5 2402MHz Ant0

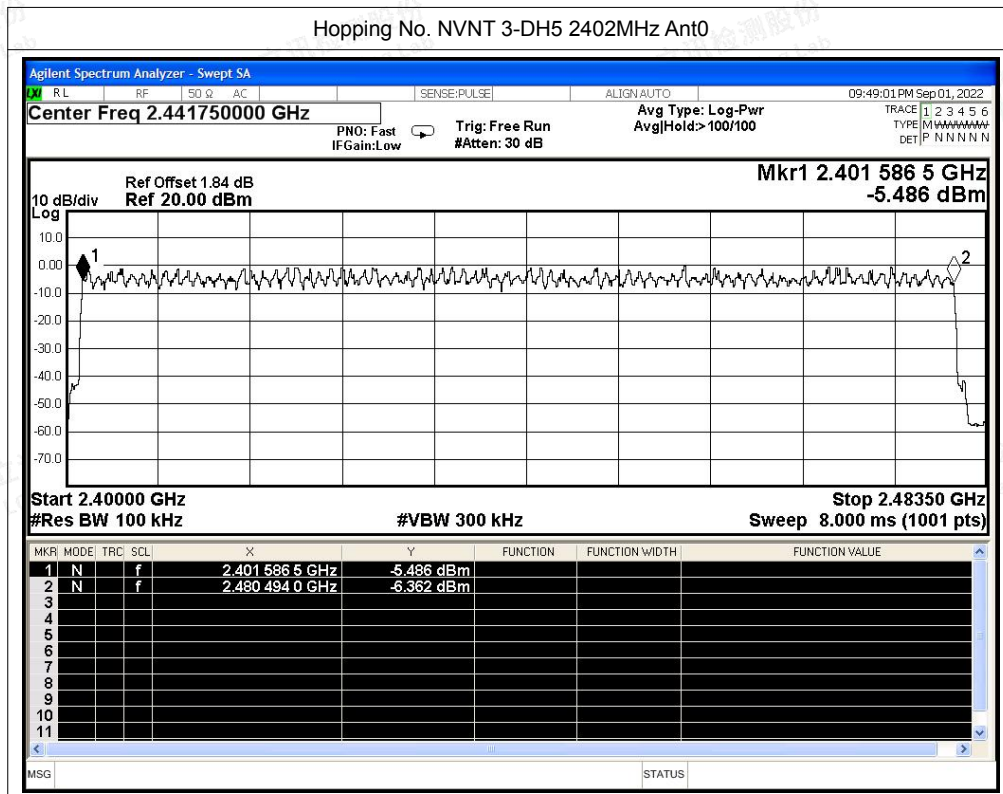


Shenzhen LCS Compliance Testing Laboratory Ltd.

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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant0	No-Hopping	-57.23	-20	Pass
NVNT	1-DH5	2480	Ant0	No-Hopping	-56.45	-20	Pass
NVNT	2-DH5	2402	Ant0	No-Hopping	-54.04	-20	Pass
NVNT	2-DH5	2480	Ant0	No-Hopping	-54.94	-20	Pass
NVNT	3-DH5	2402	Ant0	No-Hopping	-55.47	-20	Pass
NVNT	3-DH5	2480	Ant0	No-Hopping	-55.5	-20	Pass

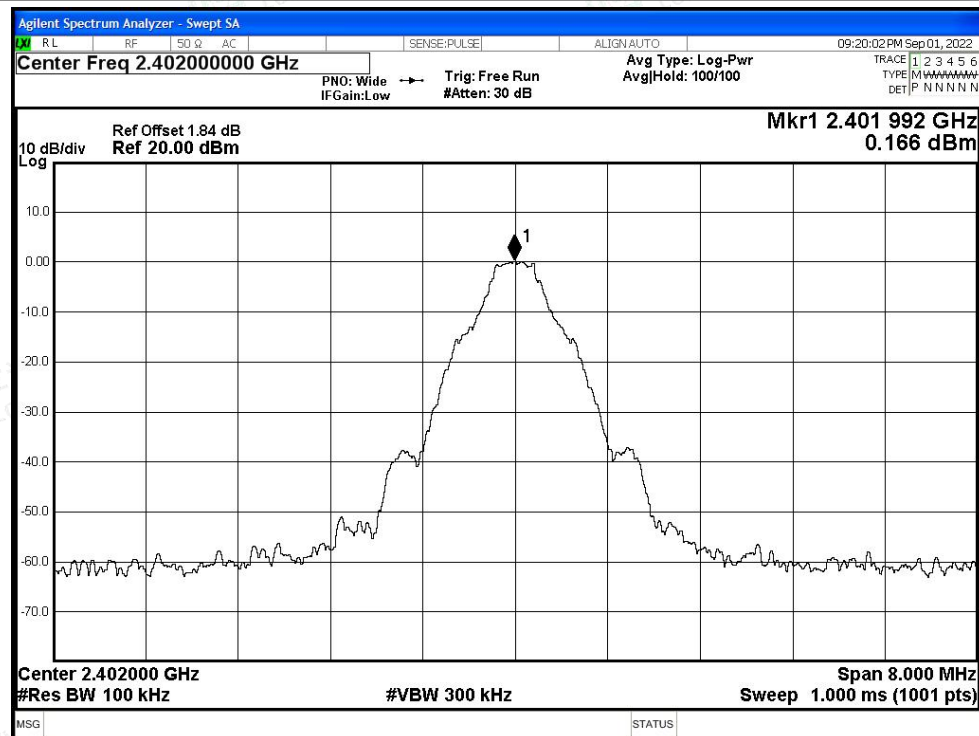


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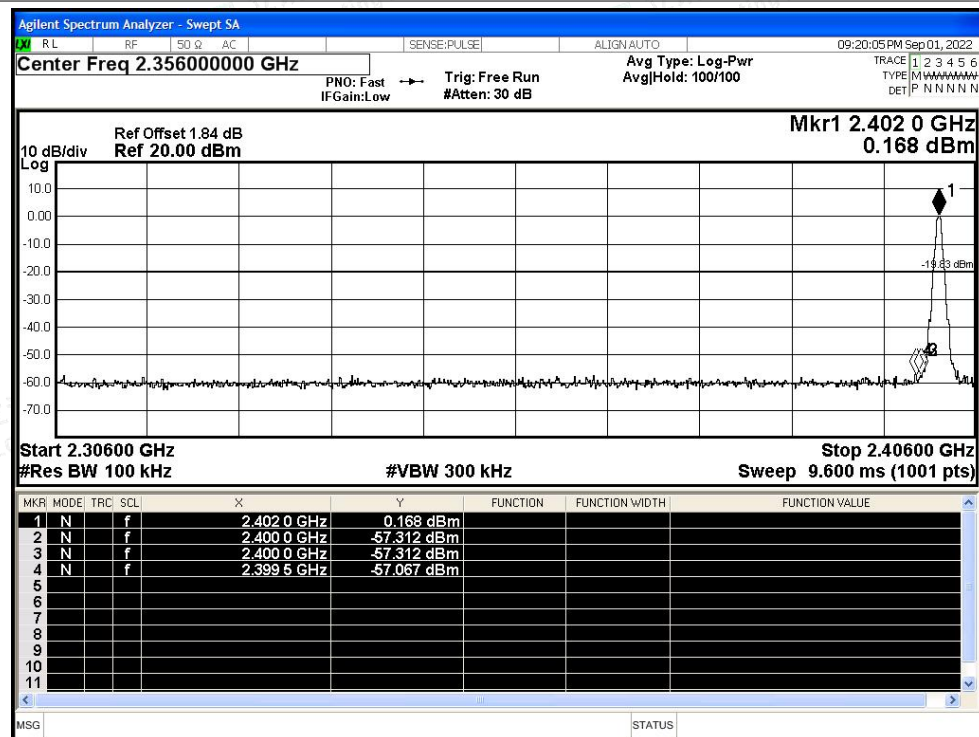


Test Graphs

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

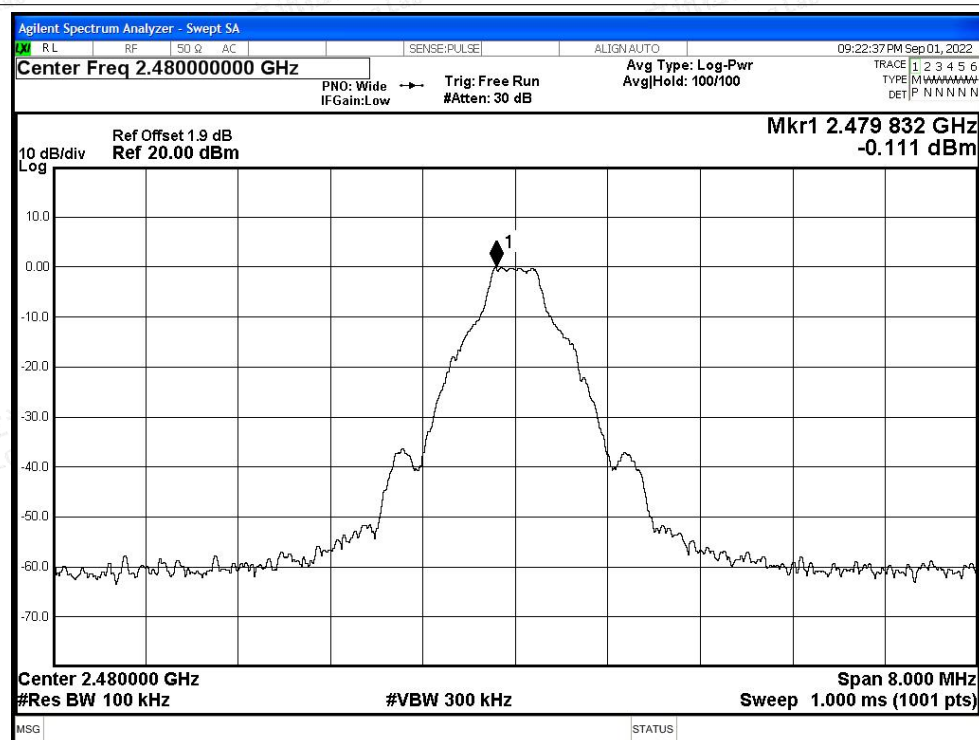


Band Edge NVNT 1-DH5 2402MHz Ant0 No-Hopping Emission

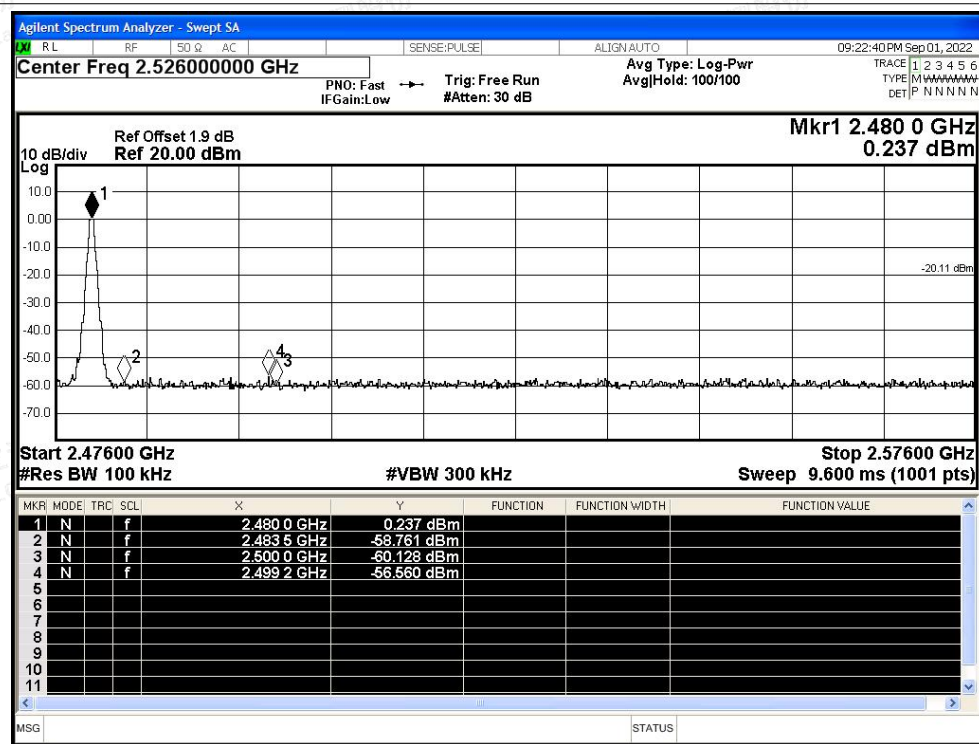




Band Edge NVNT 1-DH5 2480MHz Ant0 No-Hopping Ref

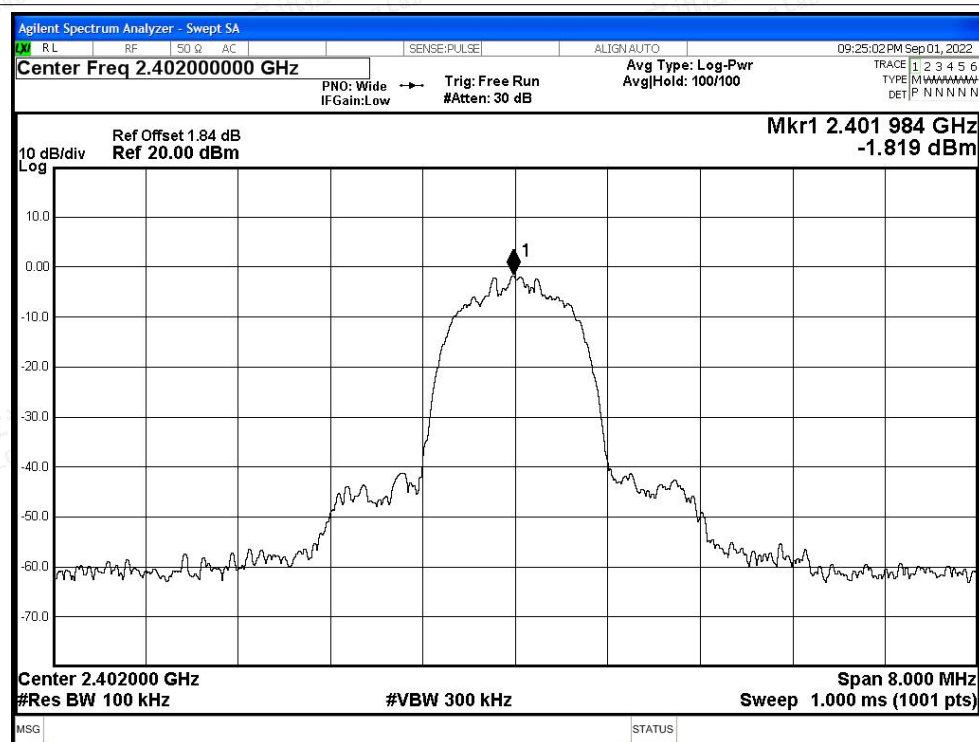


Band Edge NVNT 1-DH5 2480MHz Ant0 No-Hopping Emission

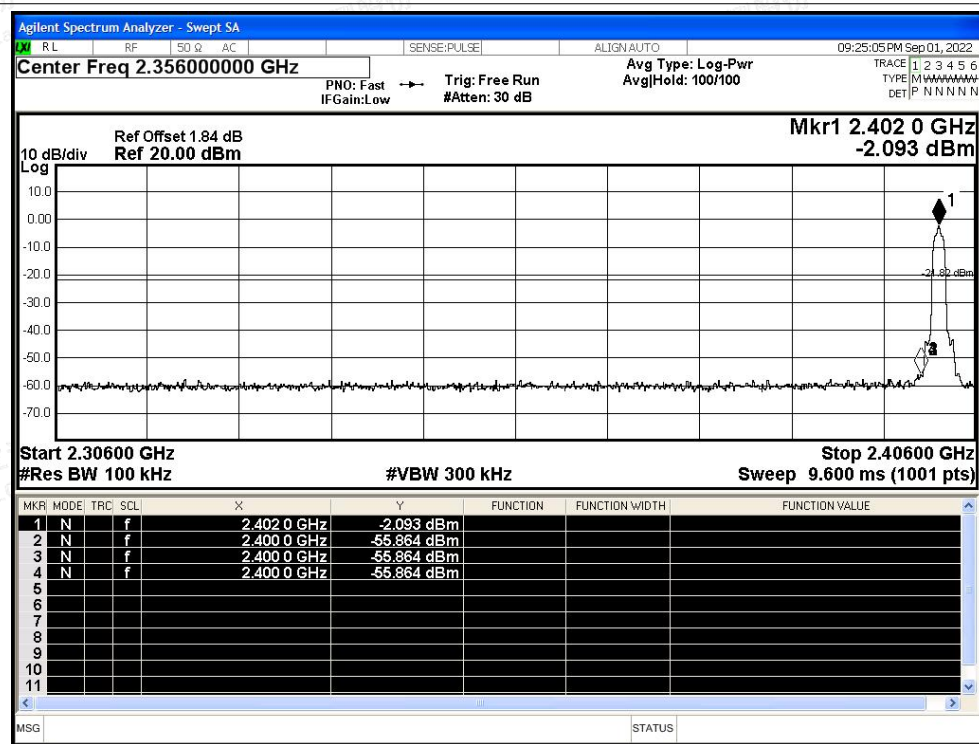




Band Edge NVNT 2-DH5 2402MHz Ant0 No-Hopping Ref

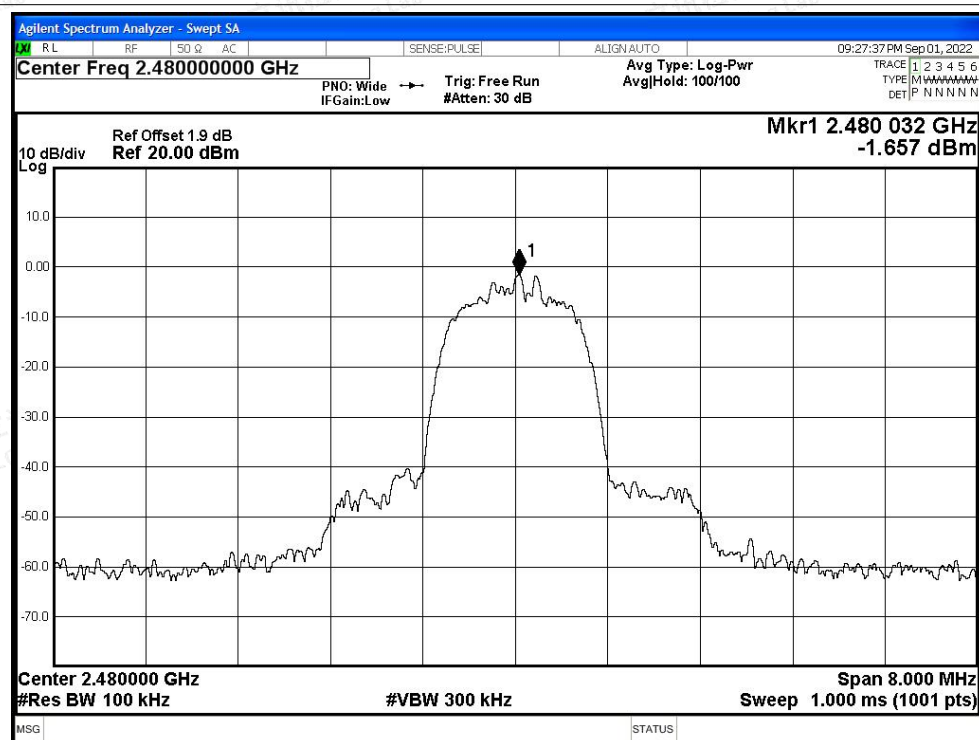


Band Edge NVNT 2-DH5 2402MHz Ant0 No-Hopping Emission

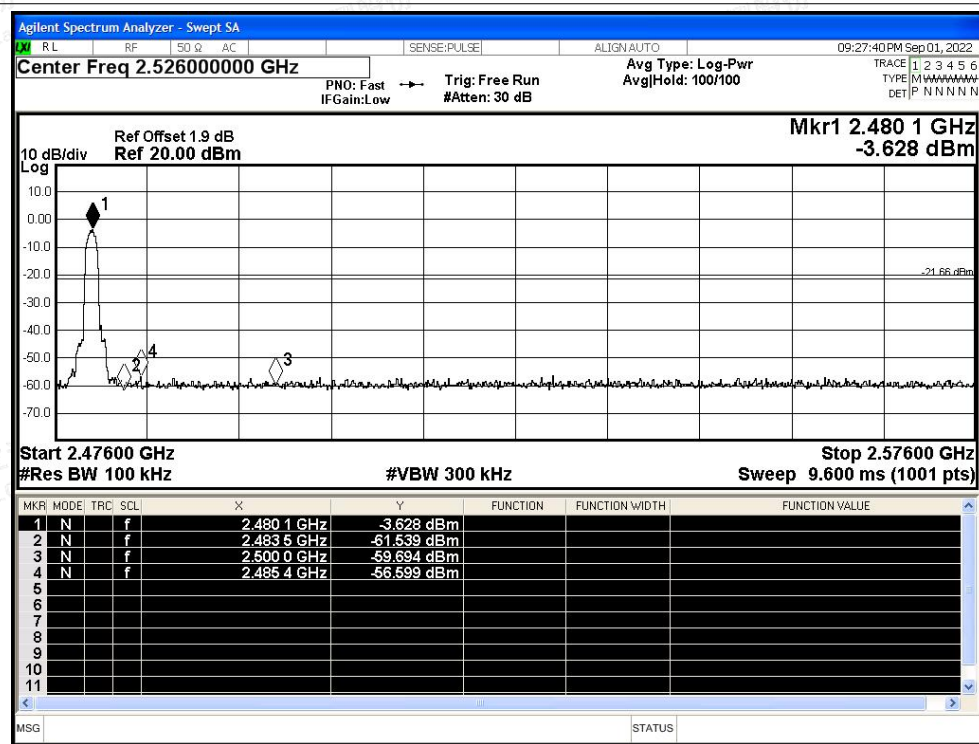


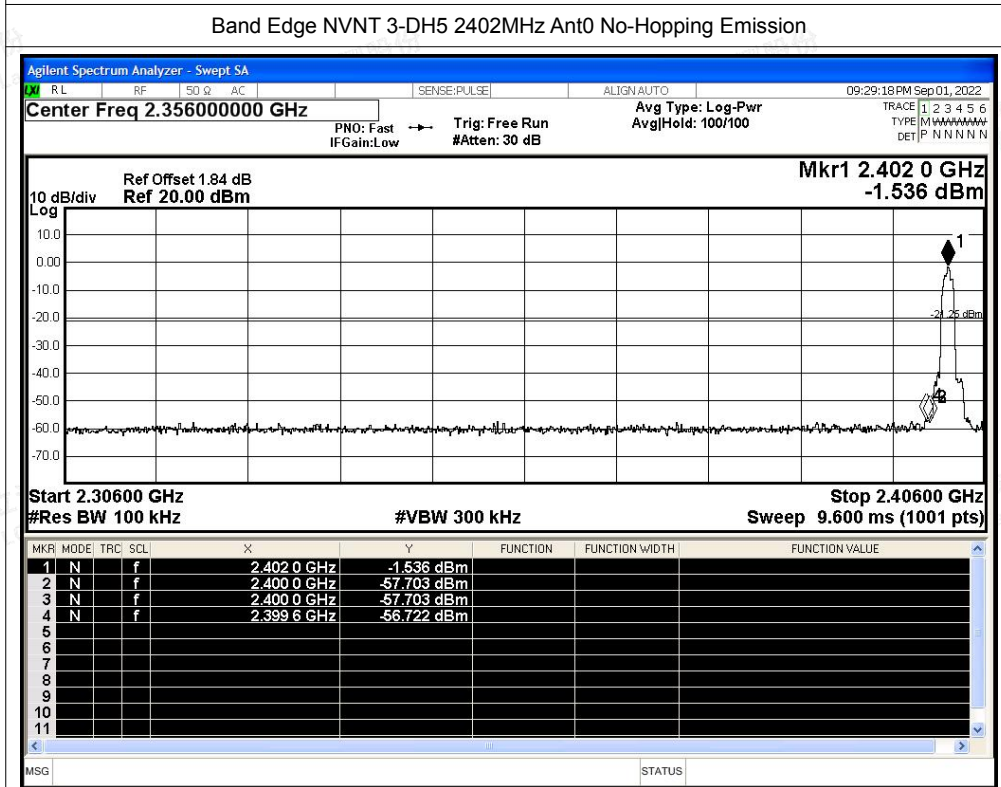
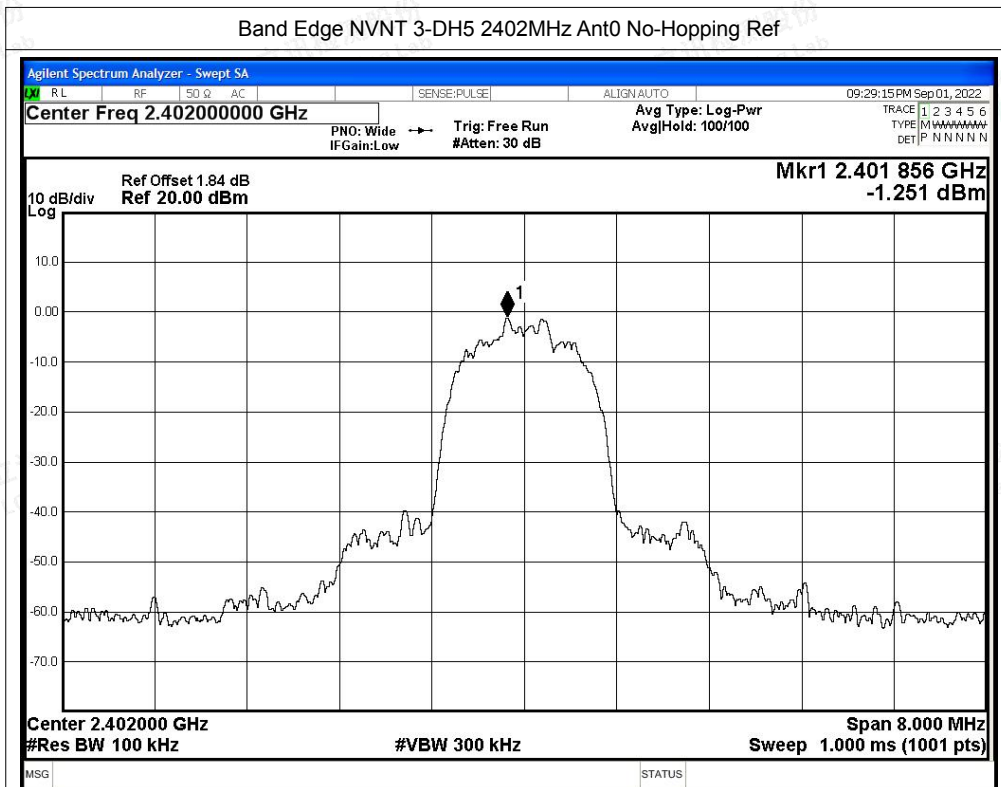


Band Edge NVNT 2-DH5 2480MHz Ant0 No-Hopping Ref



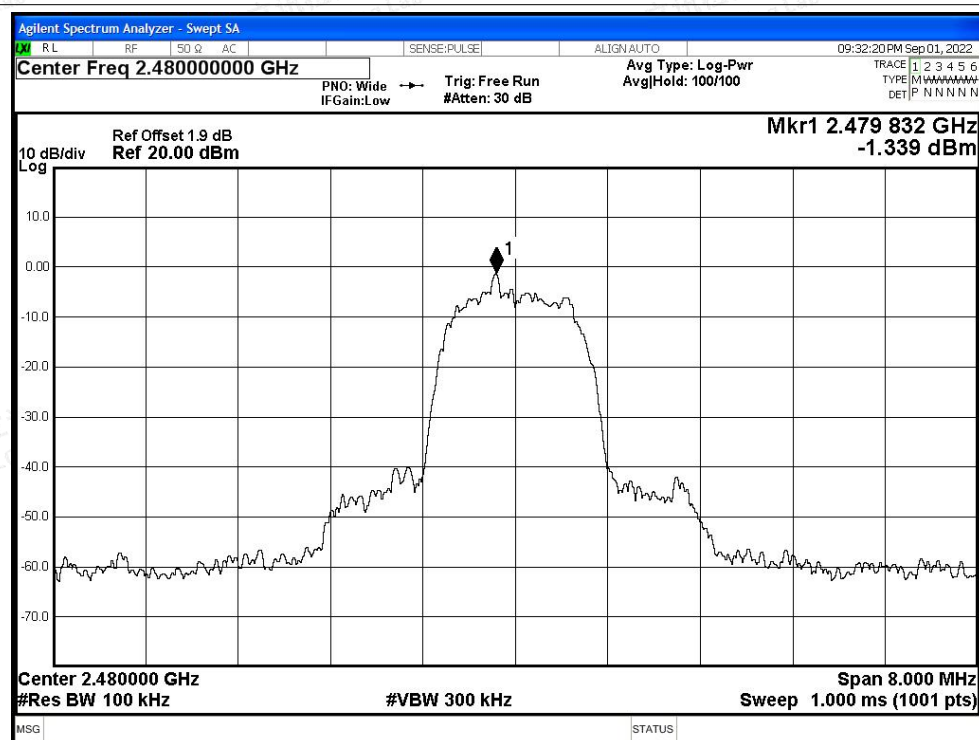
Band Edge NVNT 2-DH5 2480MHz Ant0 No-Hopping Emission



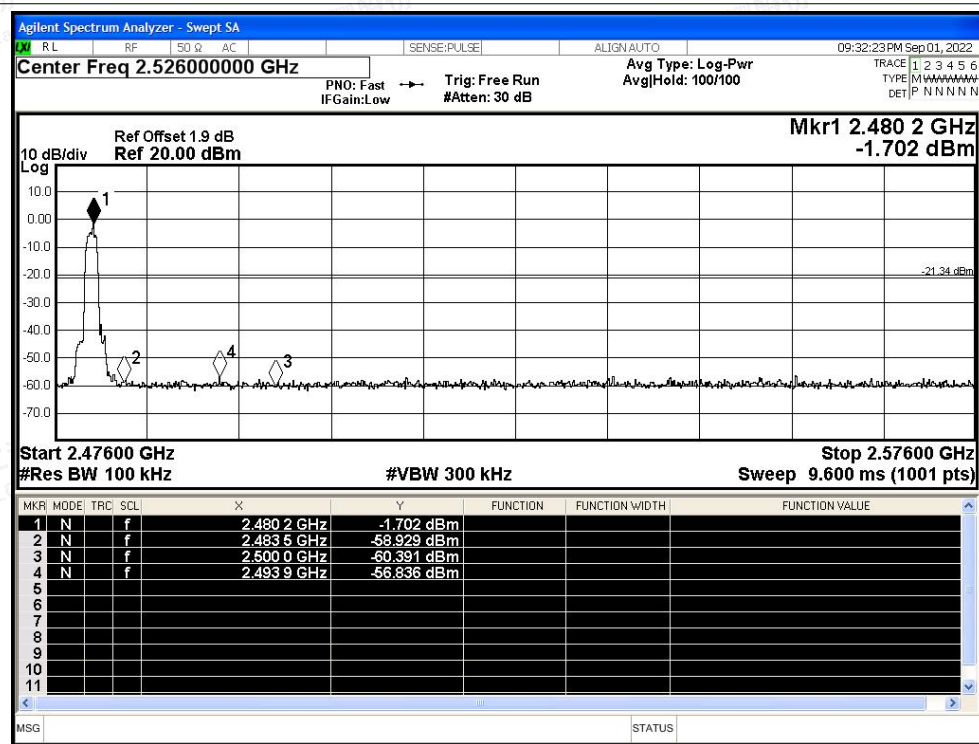




Band Edge NVNT 3-DH5 2480MHz Ant0 No-Hopping Ref



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	-56.2	-20	Pass
NVNT	1-DH5	2480	Ant0	Hopping	-56.66	-20	Pass
NVNT	2-DH5	2402	Ant0	Hopping	-55.8	-20	Pass
NVNT	2-DH5	2480	Ant0	Hopping	-53.85	-20	Pass
NVNT	3-DH5	2402	Ant0	Hopping	-55.1	-20	Pass
NVNT	3-DH5	2480	Ant0	Hopping	-55.08	-20	Pass

