



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth Speaker

Test Model: OS-866

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Jack Cheng</i> Jack Cheng
Supervised by:	<i>Li Huan</i> Li Huan





A.1 20dB Emission Bandwidth

Test Result

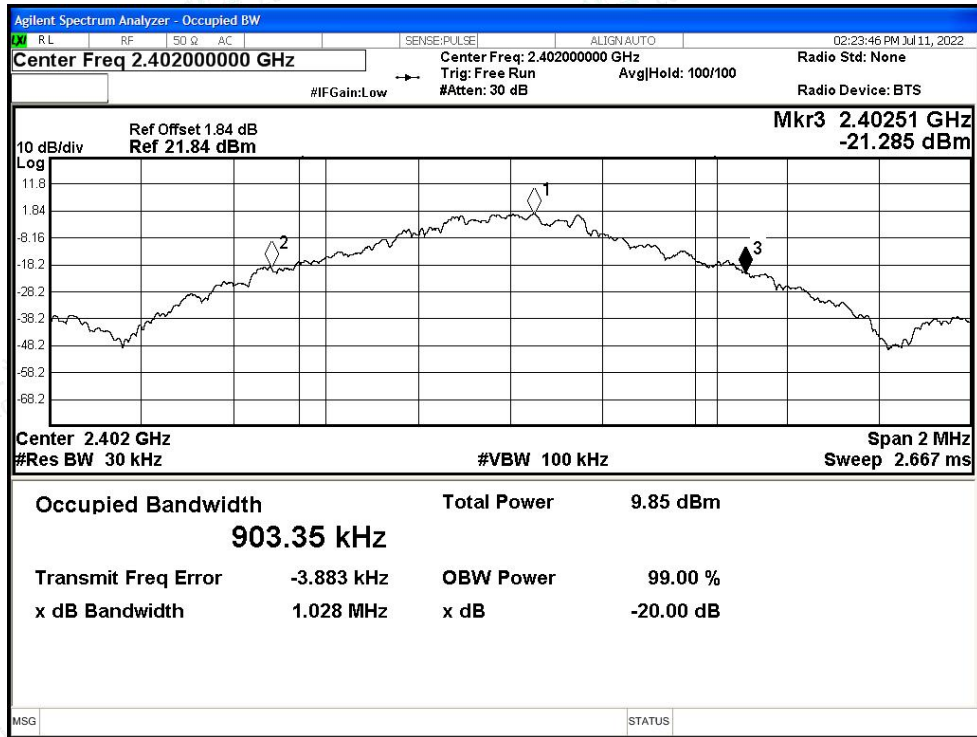
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.028	Pass
NVNT	1-DH5	2441	Ant1	0.965	Pass
NVNT	1-DH5	2480	Ant1	0.977	Pass
NVNT	2-DH5	2402	Ant1	1.274	Pass
NVNT	2-DH5	2441	Ant1	1.314	Pass
NVNT	2-DH5	2480	Ant1	1.29	Pass
NVNT	3-DH5	2402	Ant1	1.26	Pass
NVNT	3-DH5	2441	Ant1	1.261	Pass
NVNT	3-DH5	2480	Ant1	1.305	Pass



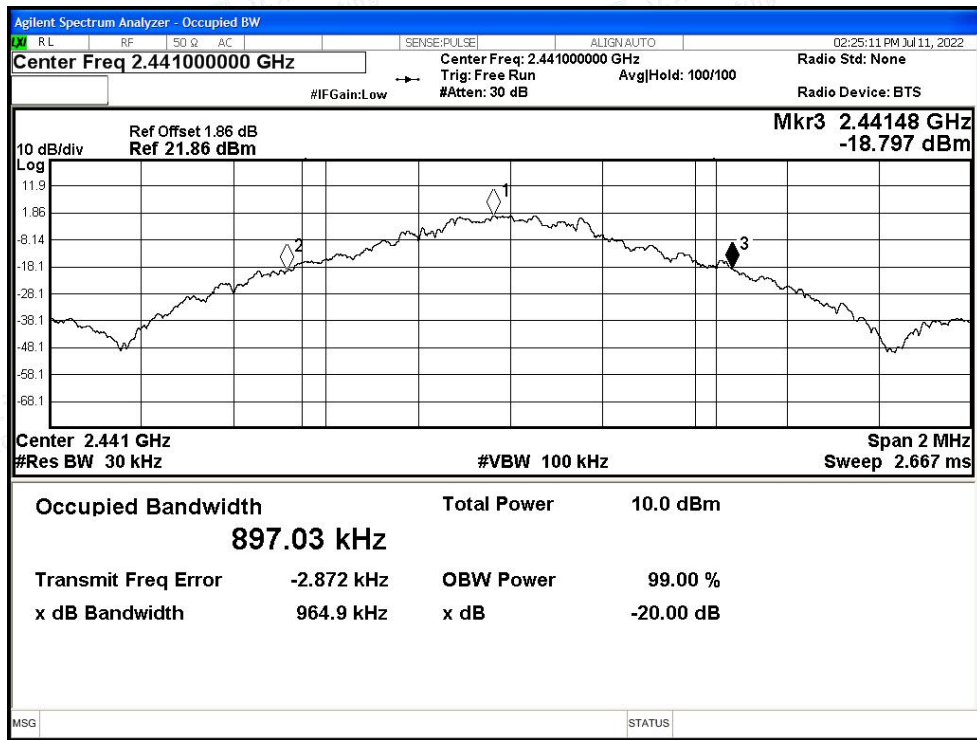


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

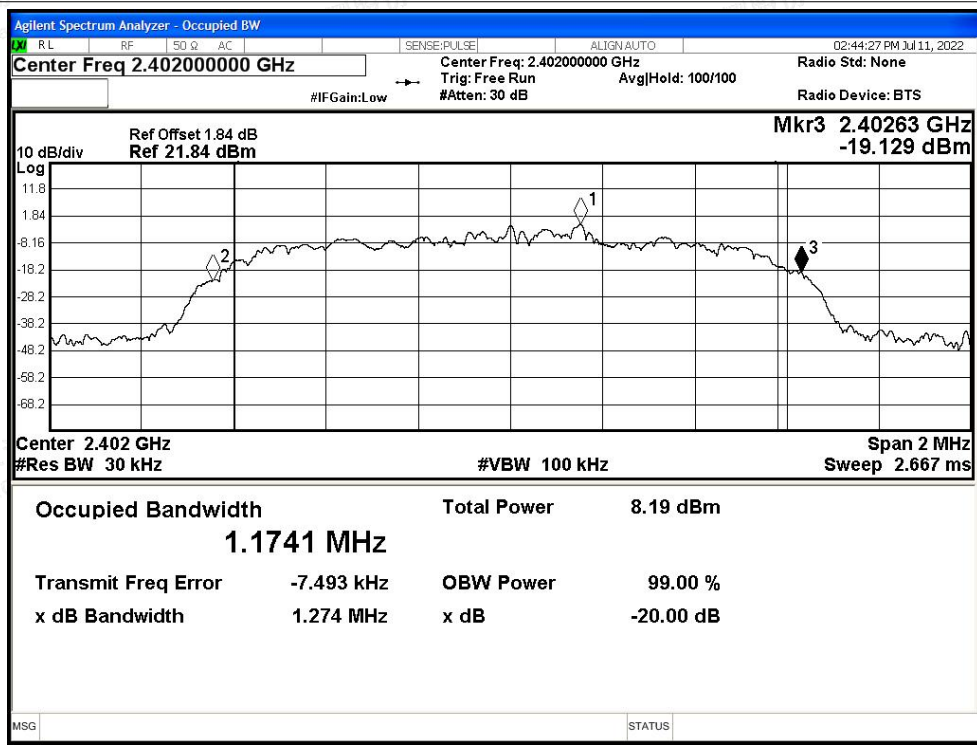




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

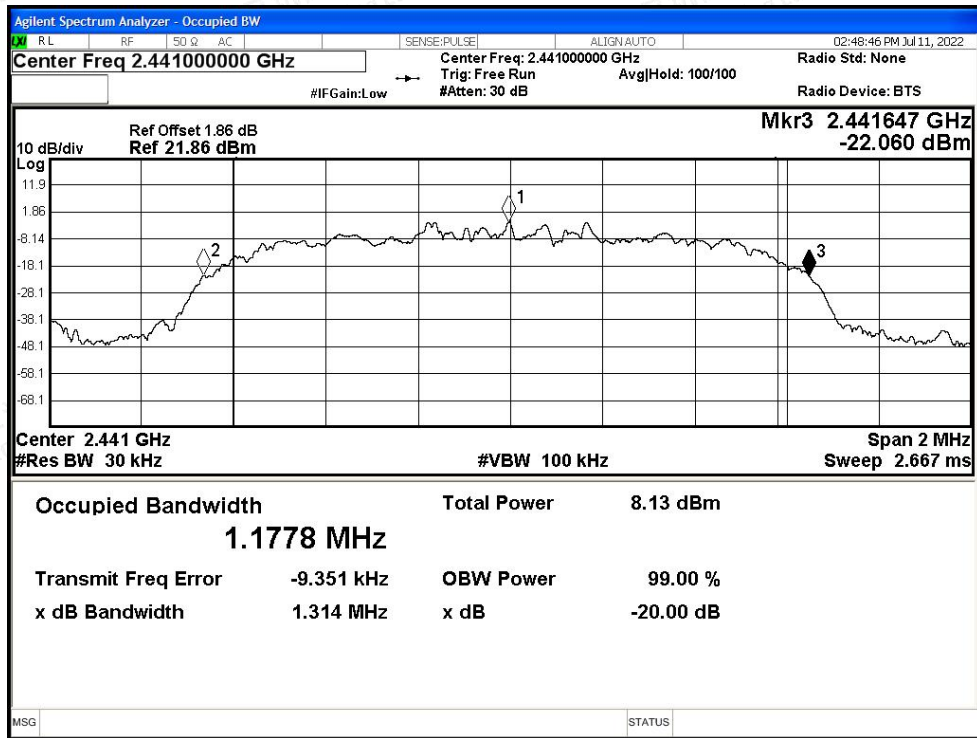


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

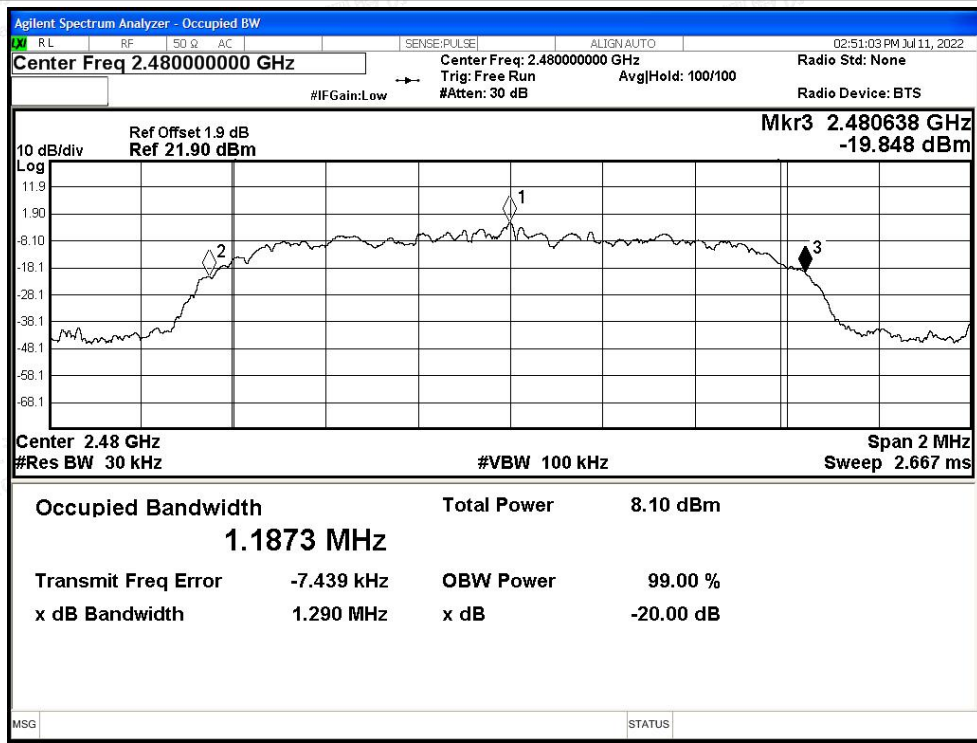




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

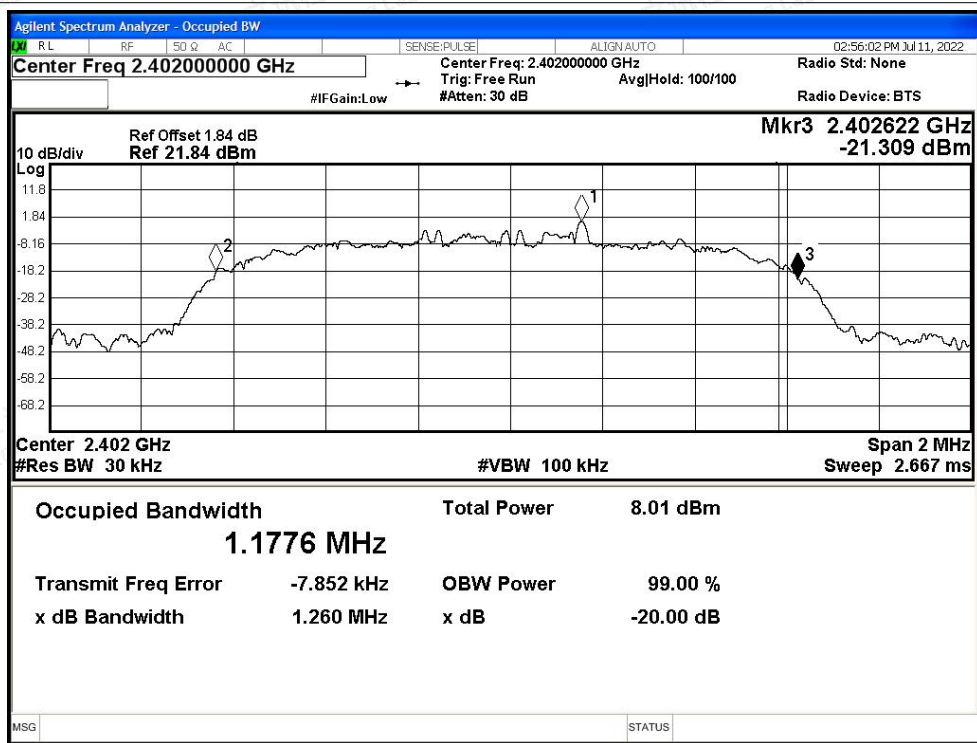


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

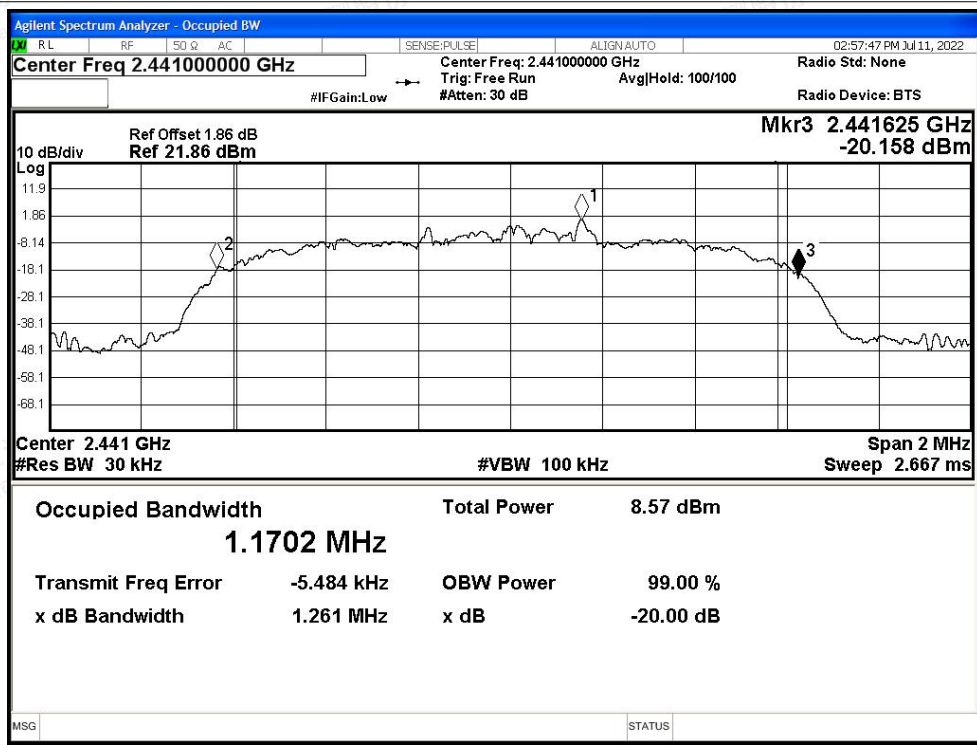


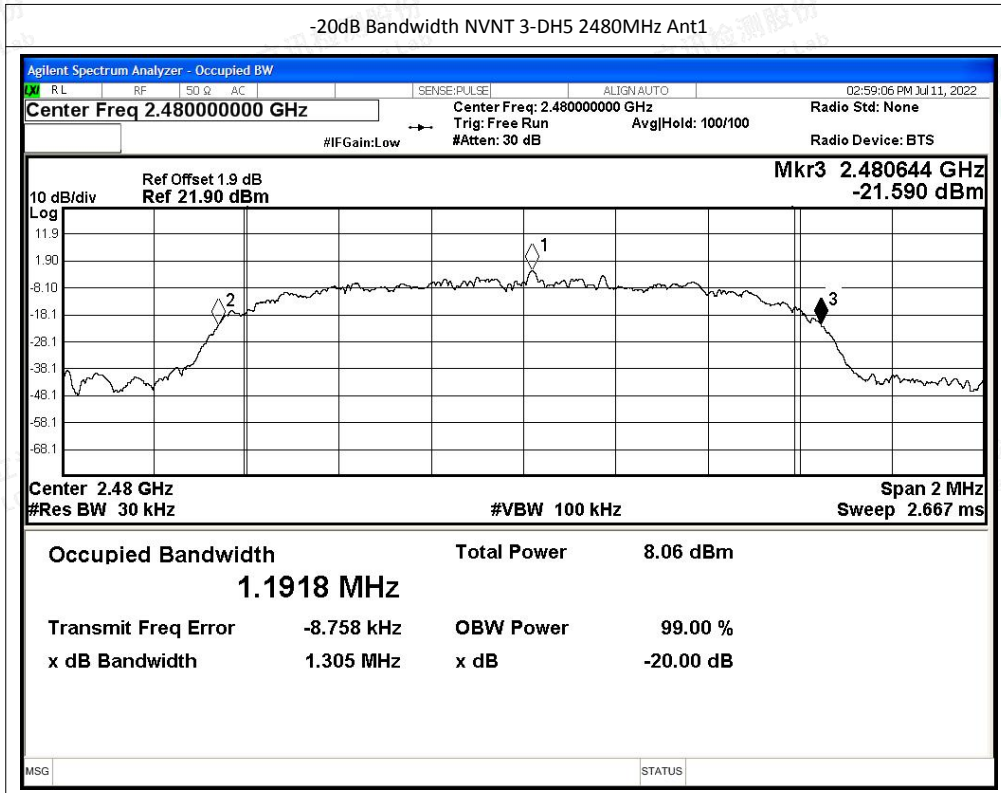


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum peak conducted output power

Test Result

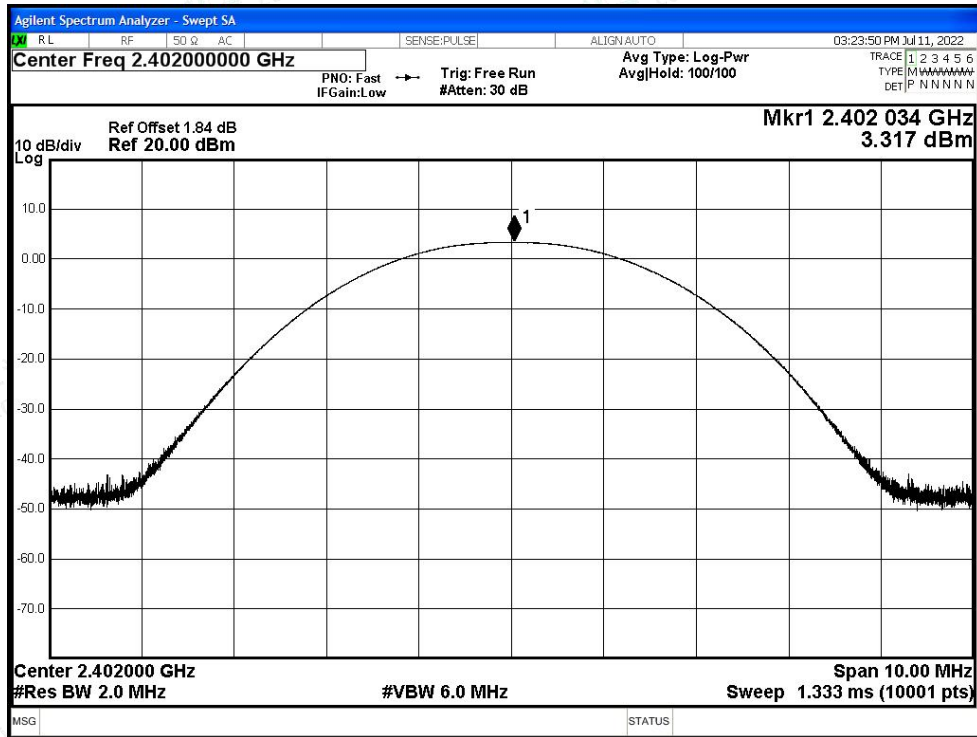
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	3.32	21	Pass
NVNT	1-DH5	2441	Ant1	3.85	21	Pass
NVNT	1-DH5	2480	Ant1	4.06	21	Pass
NVNT	2-DH5	2402	Ant1	3.41	21	Pass
NVNT	2-DH5	2441	Ant1	3.49	21	Pass
NVNT	2-DH5	2480	Ant1	3.78	21	Pass
NVNT	3-DH5	2402	Ant1	3.47	21	Pass
NVNT	3-DH5	2441	Ant1	3.69	21	Pass
NVNT	3-DH5	2480	Ant1	3.9	21	Pass



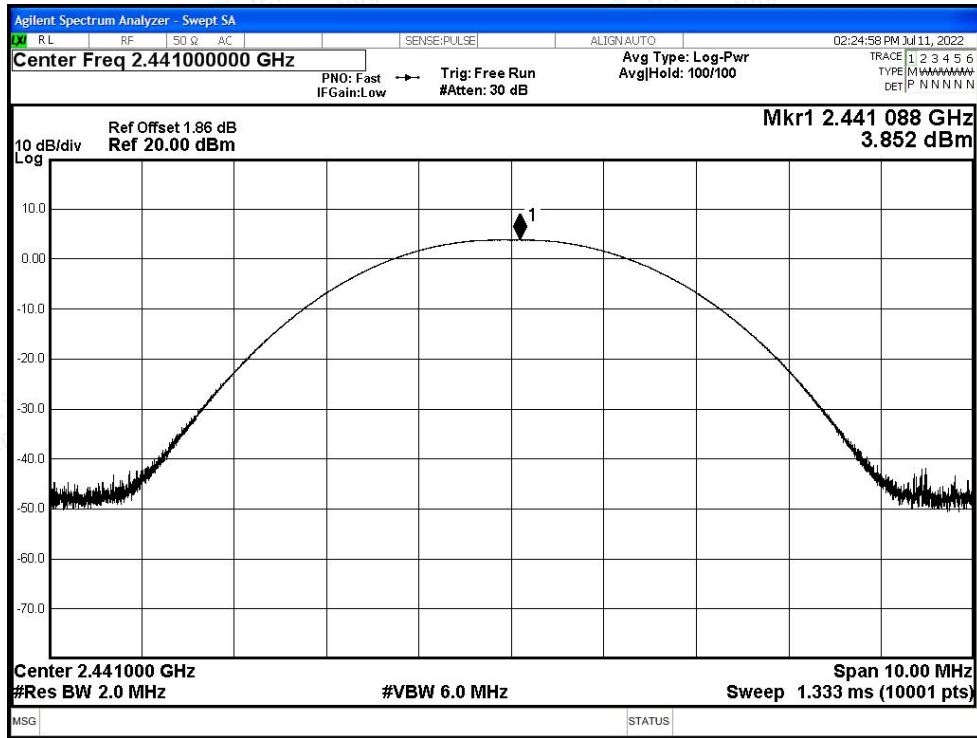


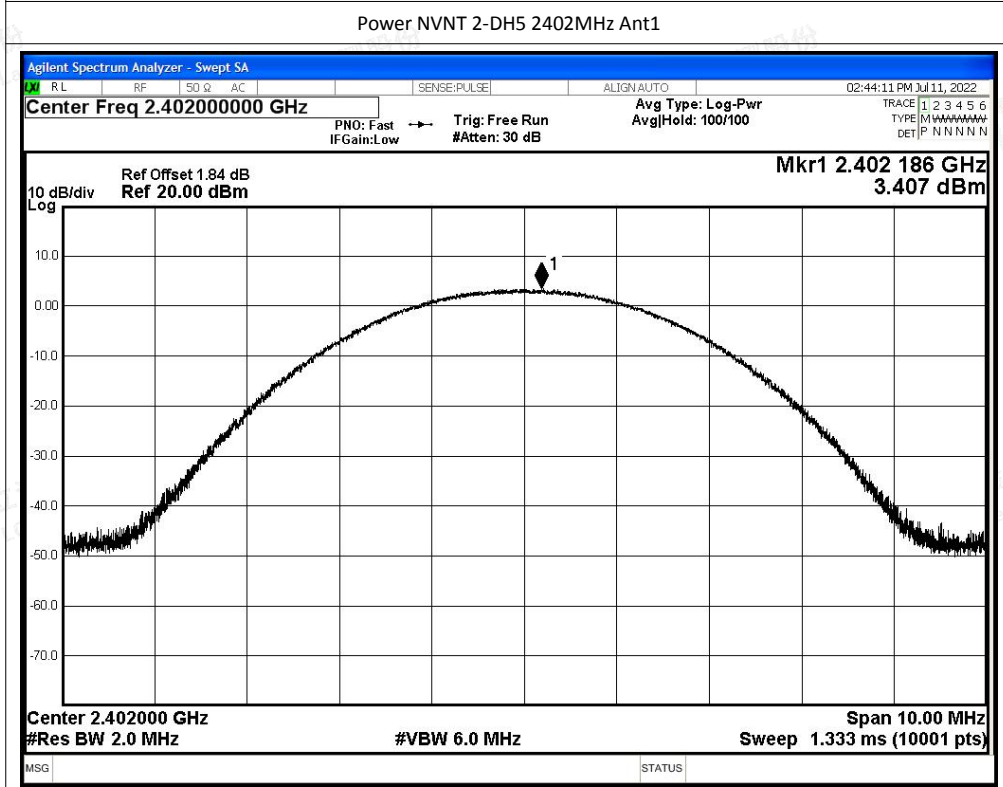
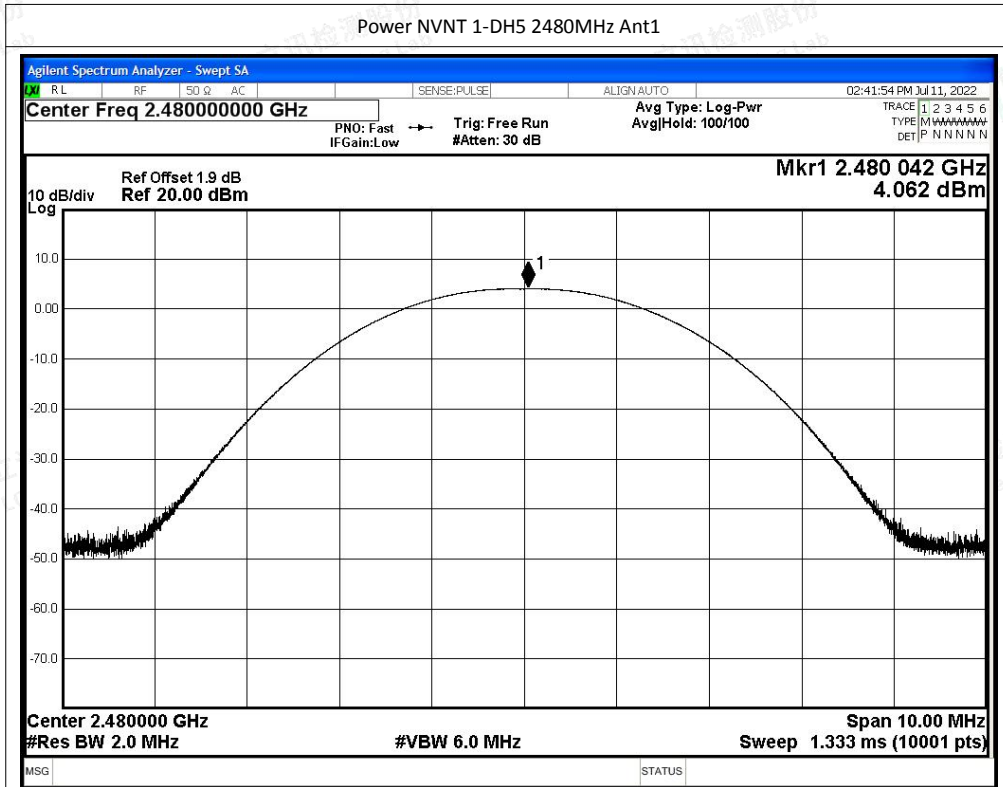
Test Graphs

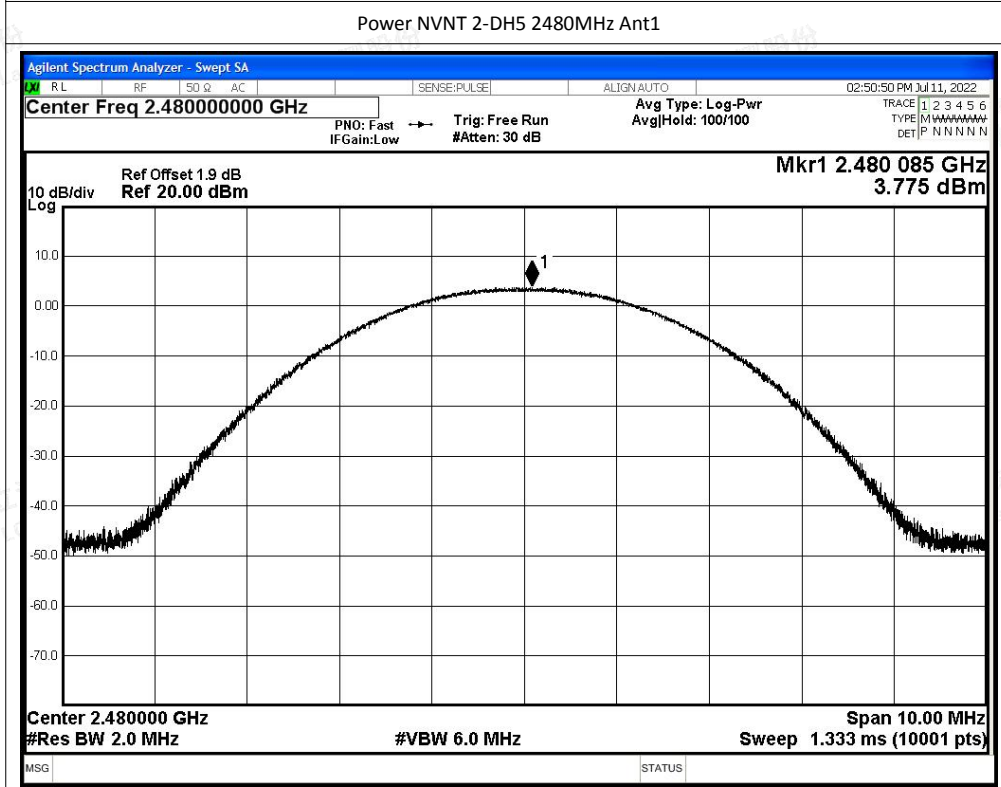
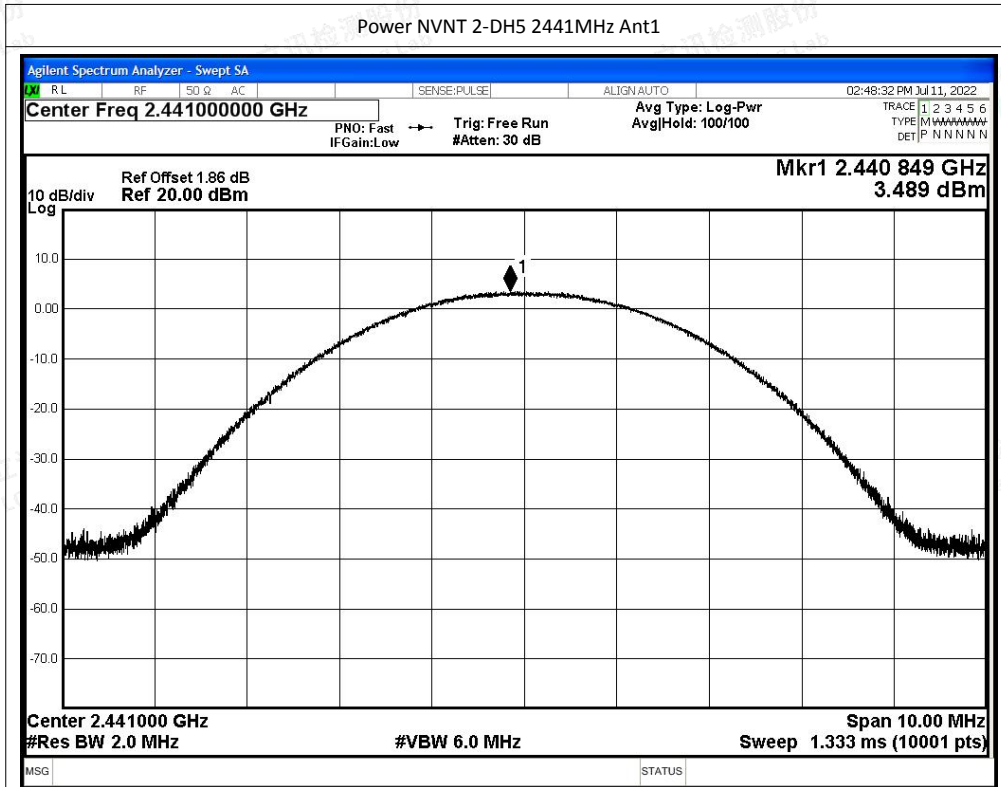
Power NVNT 1-DH5 2402MHz Ant1

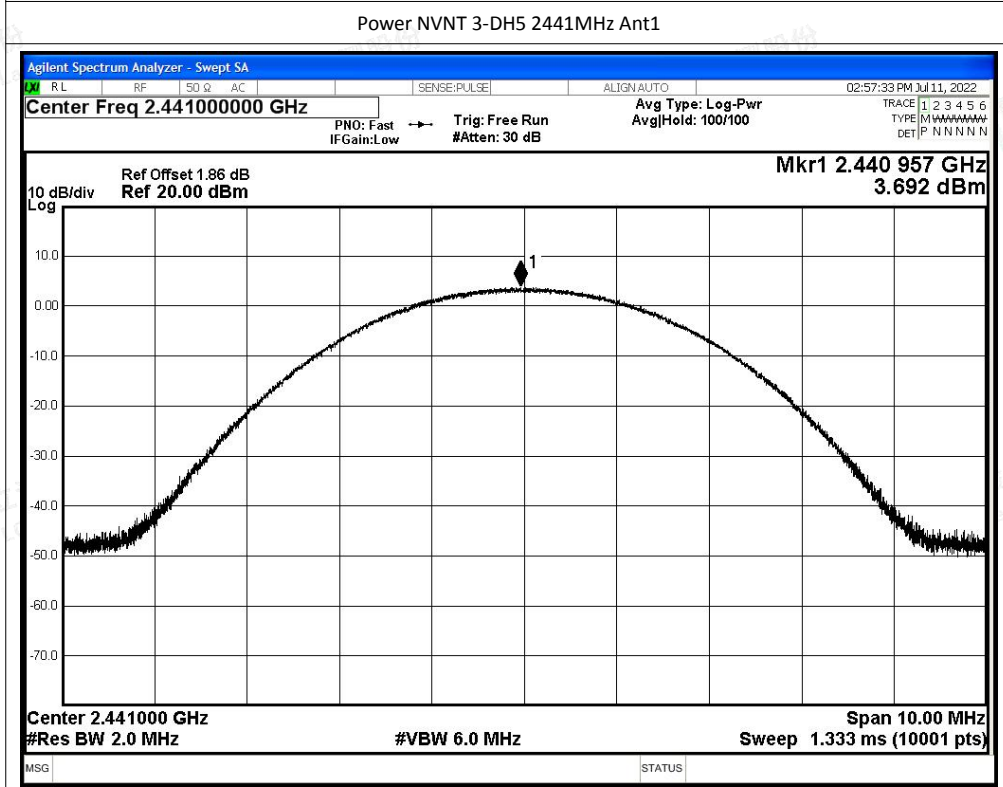
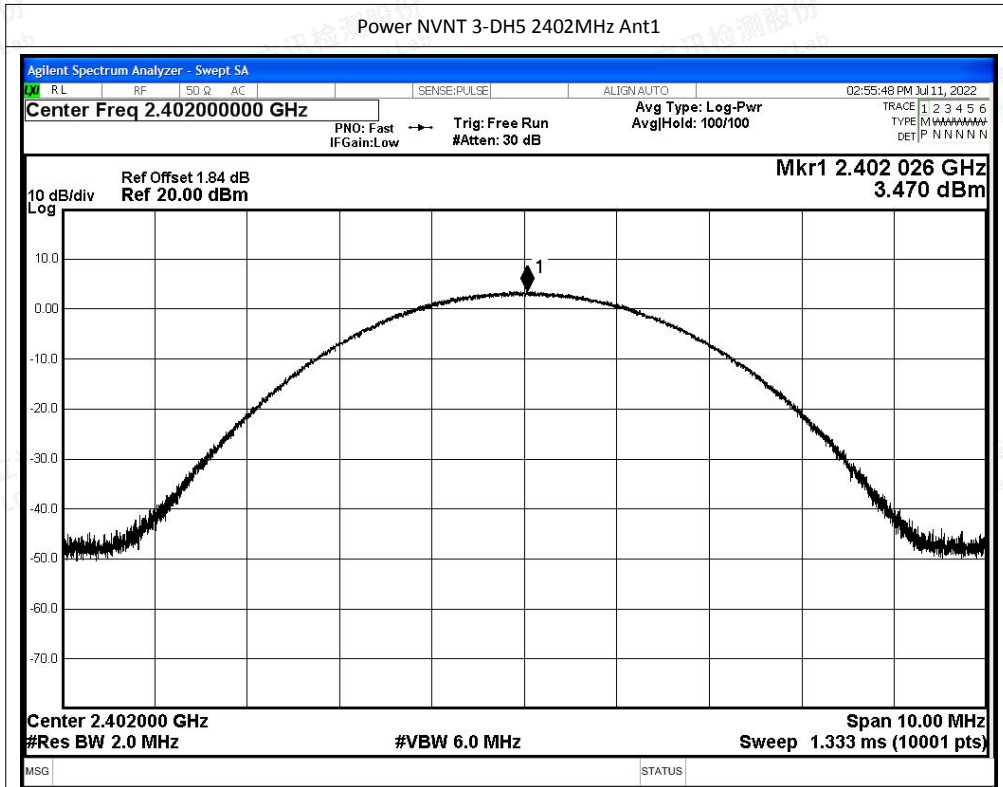


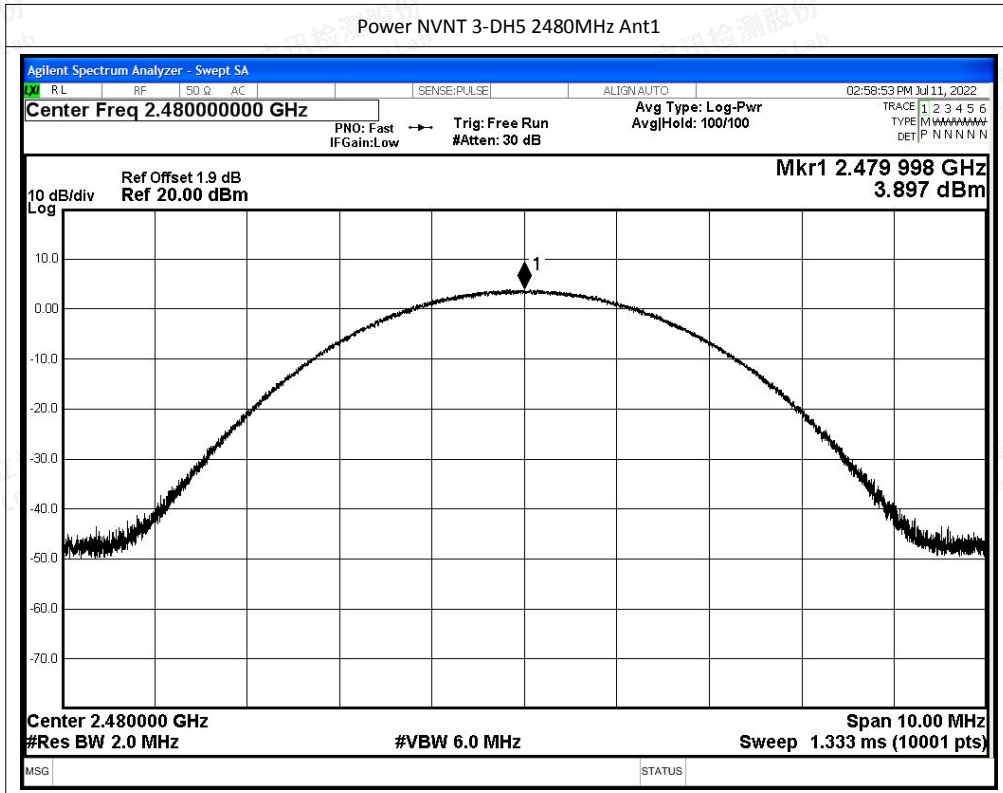
Power NVNT 1-DH5 2441MHz Ant1













A.3 Carrier frequency separation

Test Result

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.006	2403.004	0.998	0.685	Pass
NVNT	2-DH5	Ant1	2401.83	2402.848	1.018	0.849	Pass
NVNT	3-DH5	Ant1	2402.156	2403.012	0.856	0.84	Pass

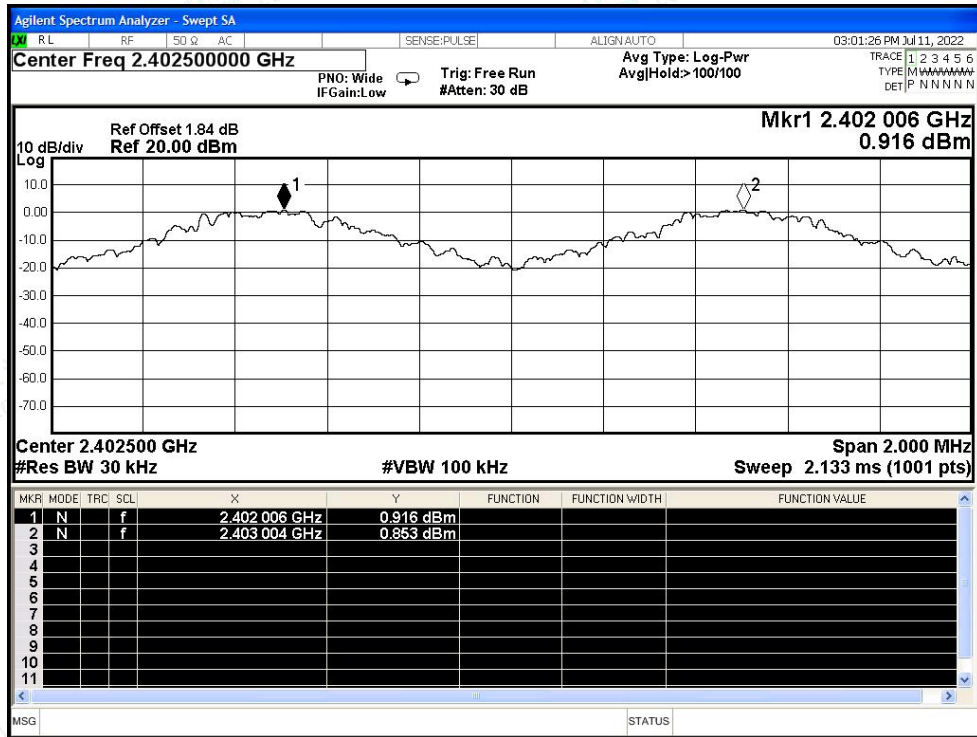


Shenzhen LCS Compliance Testing Laboratory Ltd.
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Scan code to check authenticity

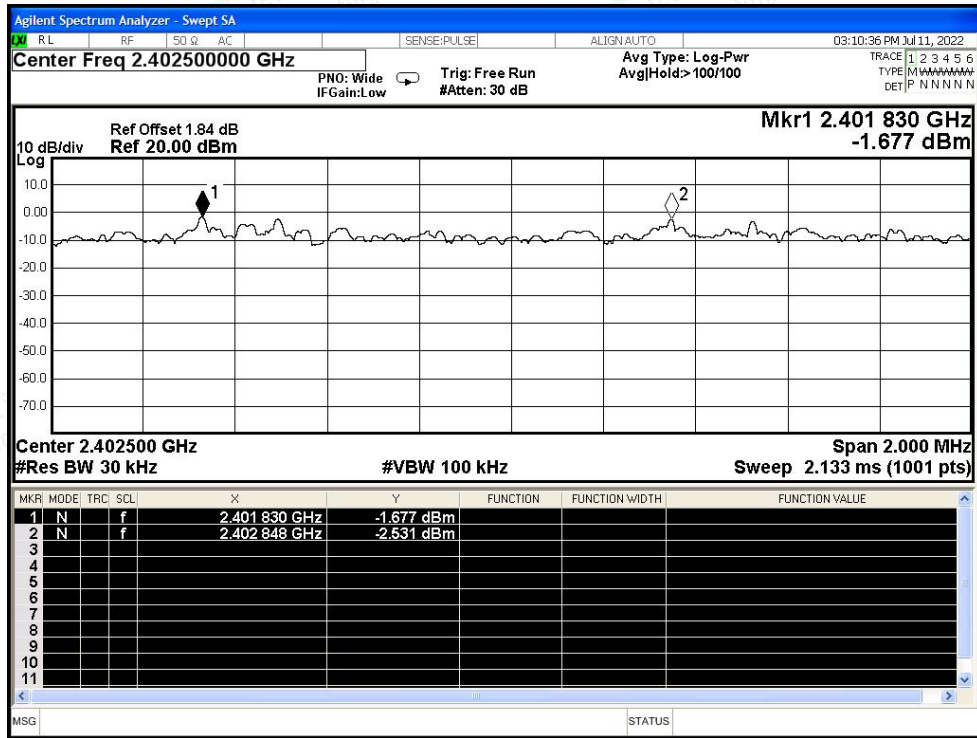


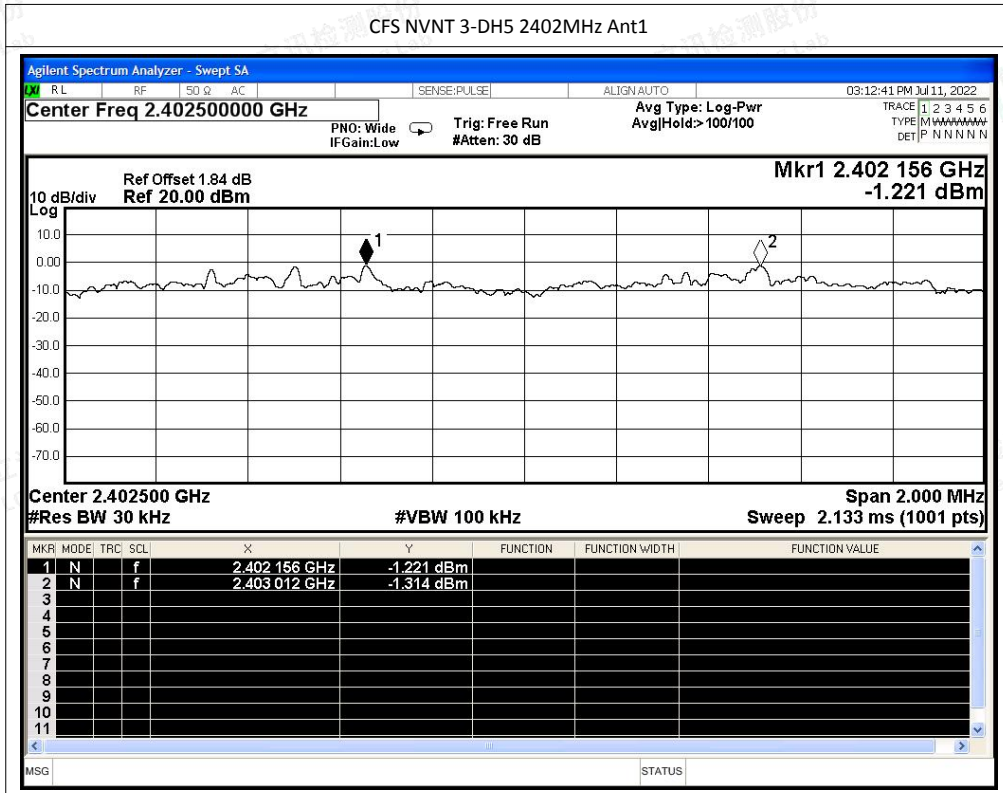
Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1







A.4 Time of occupancy

Test Result

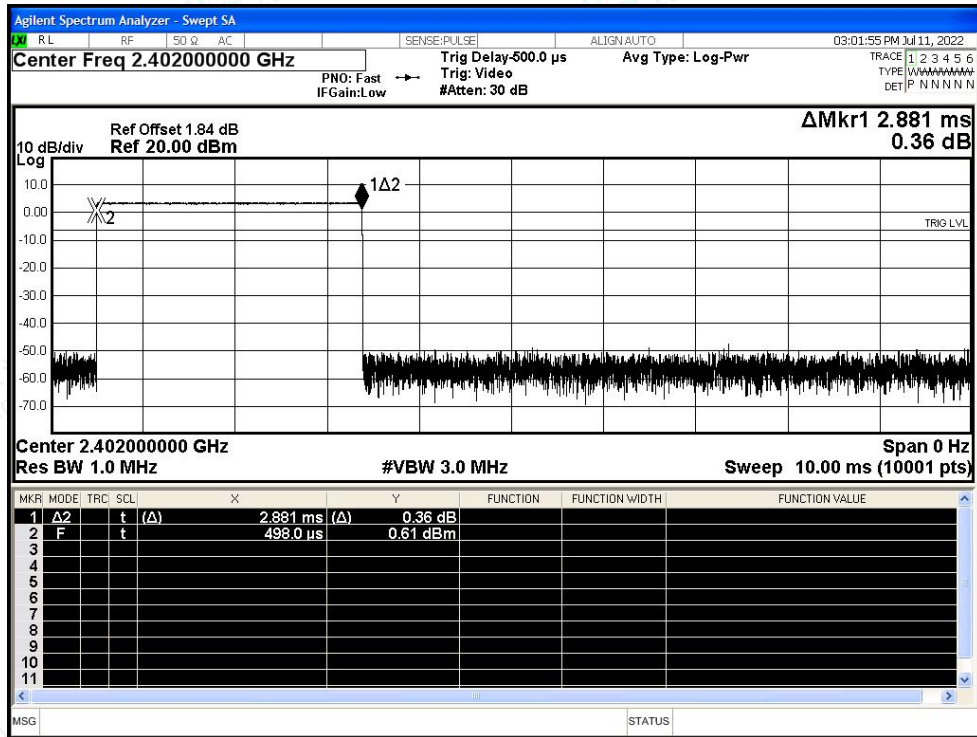
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.881	282.338	98	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	323.12	112	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	332.005	115	31600	400	Pass



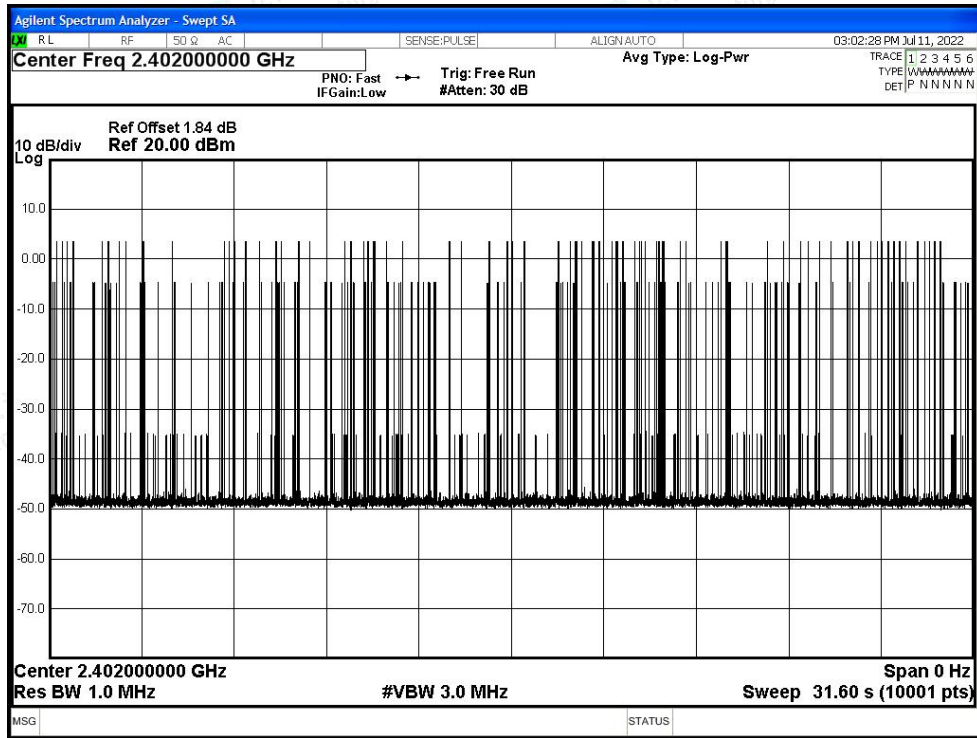


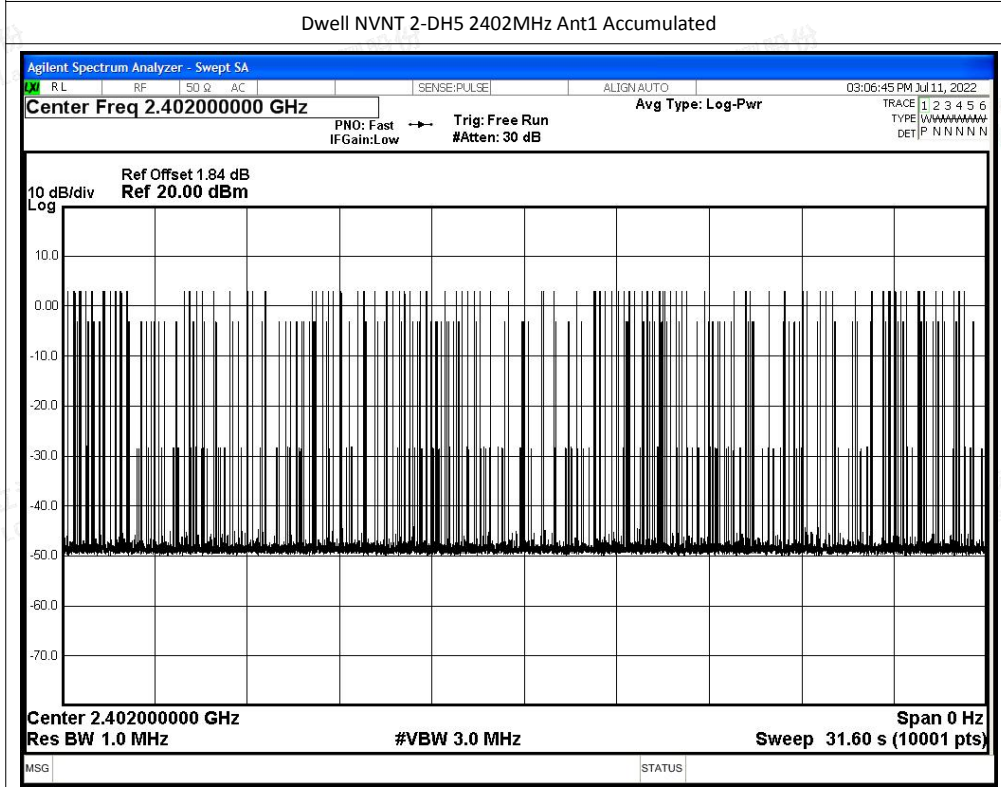
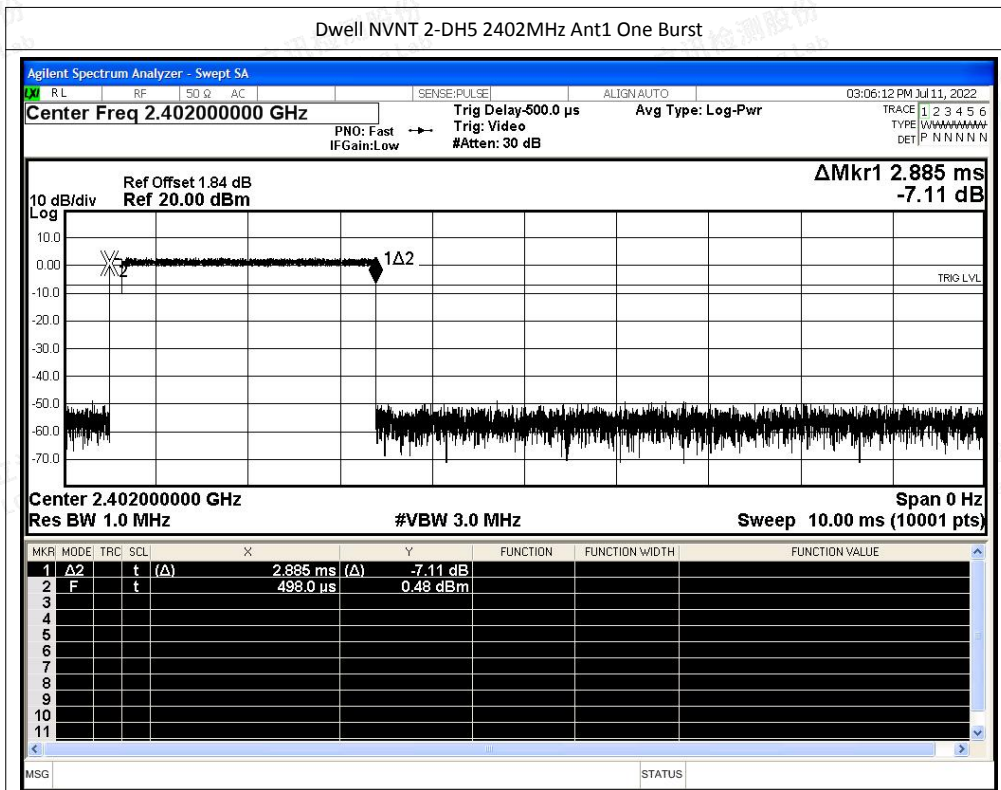
Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



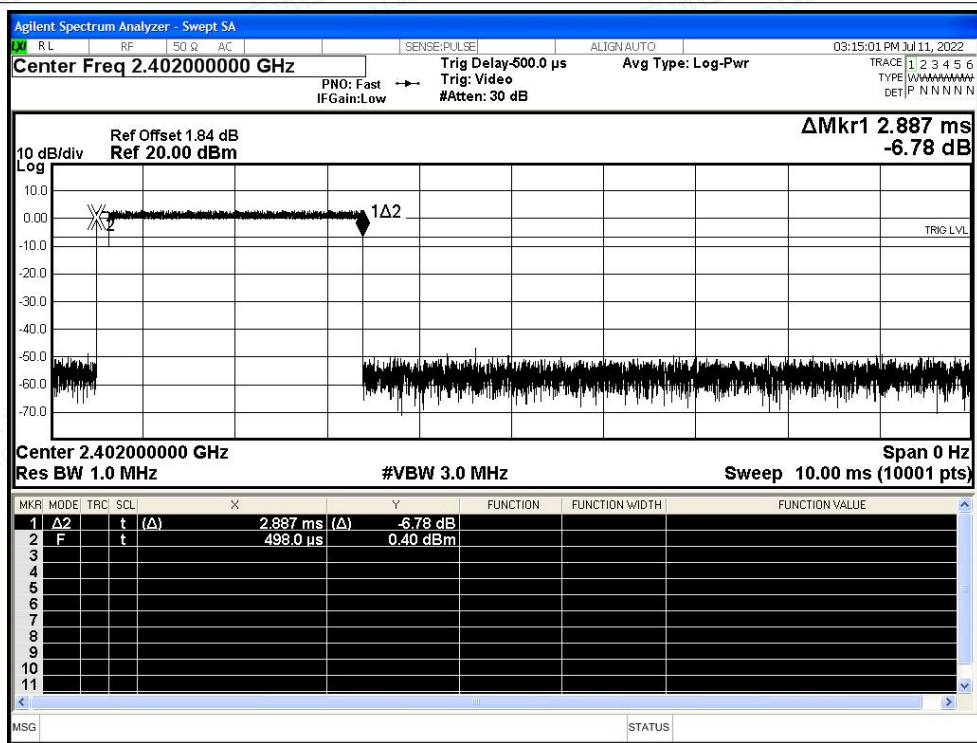
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



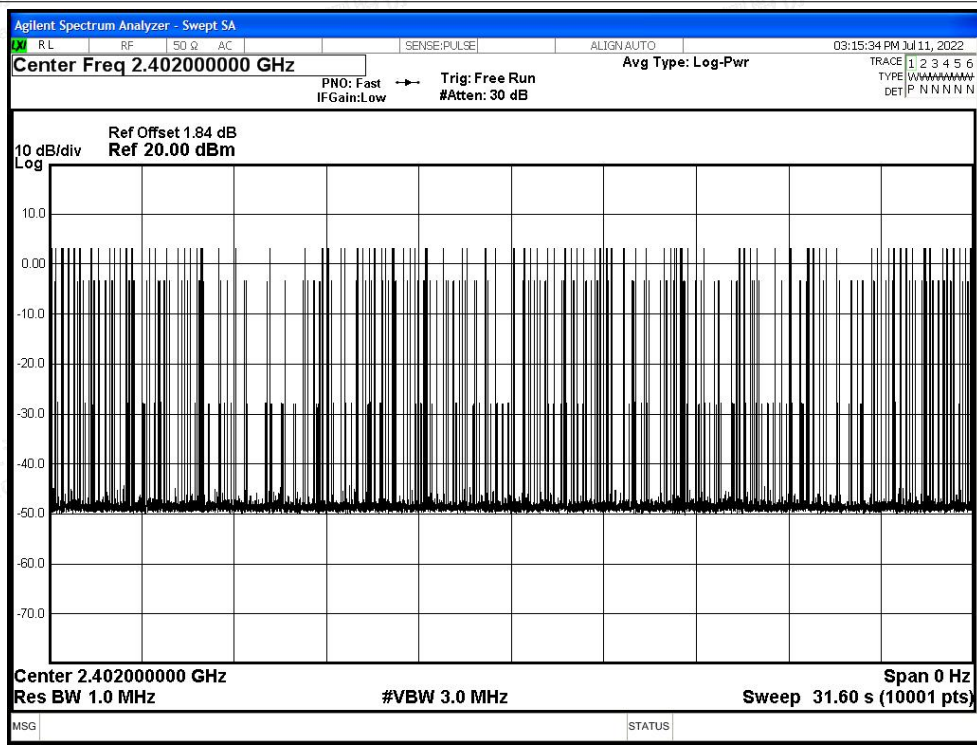




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of hopping channels

Test Result

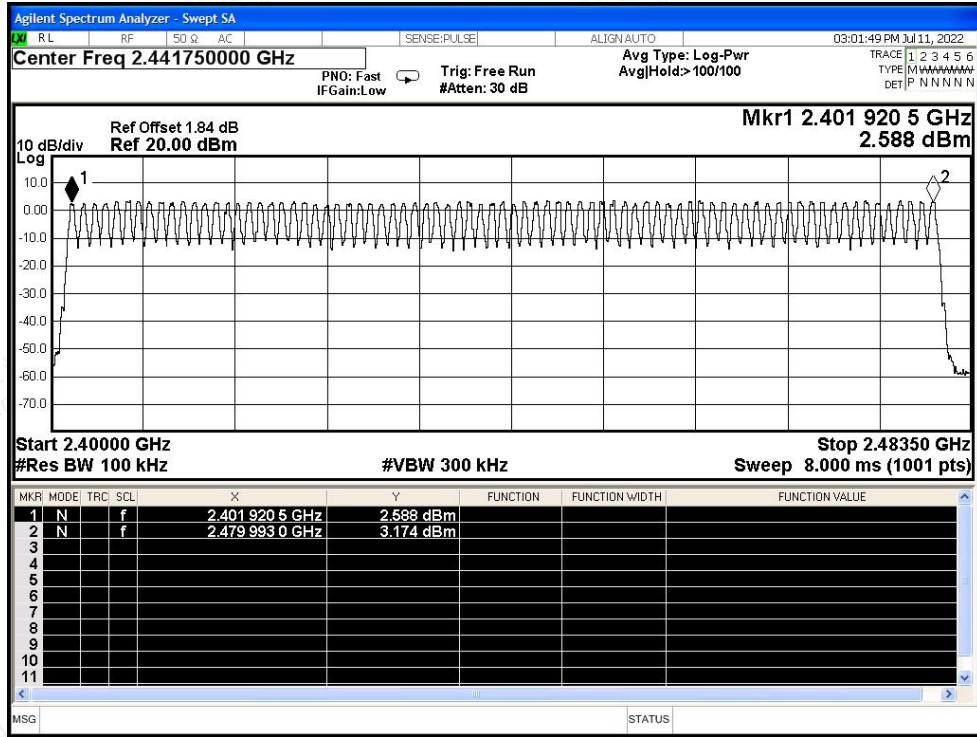
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



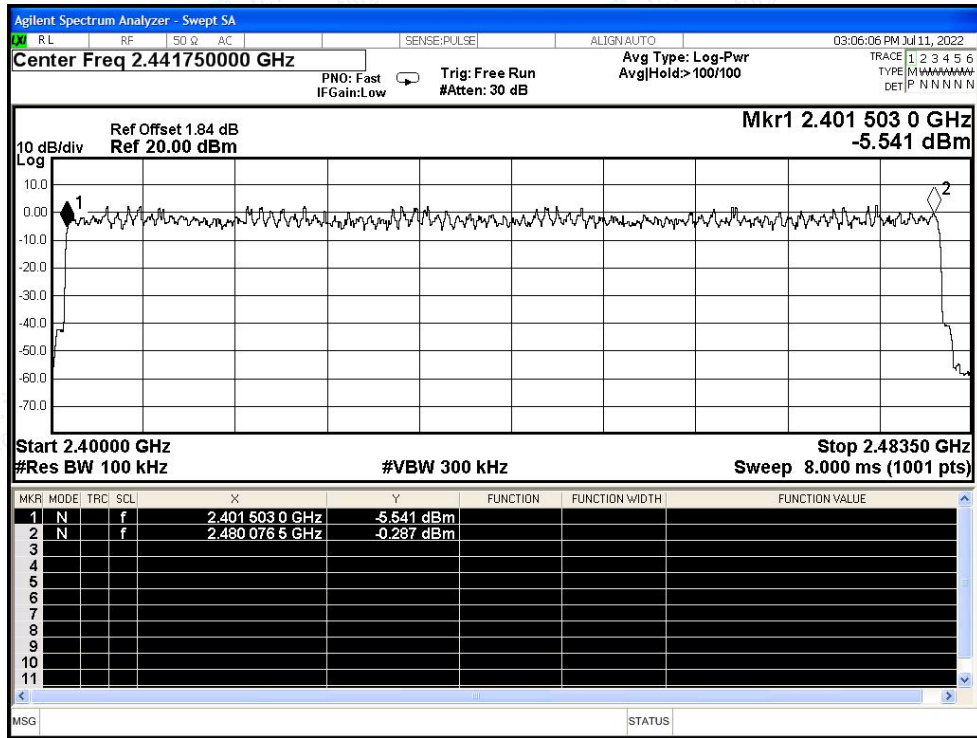


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

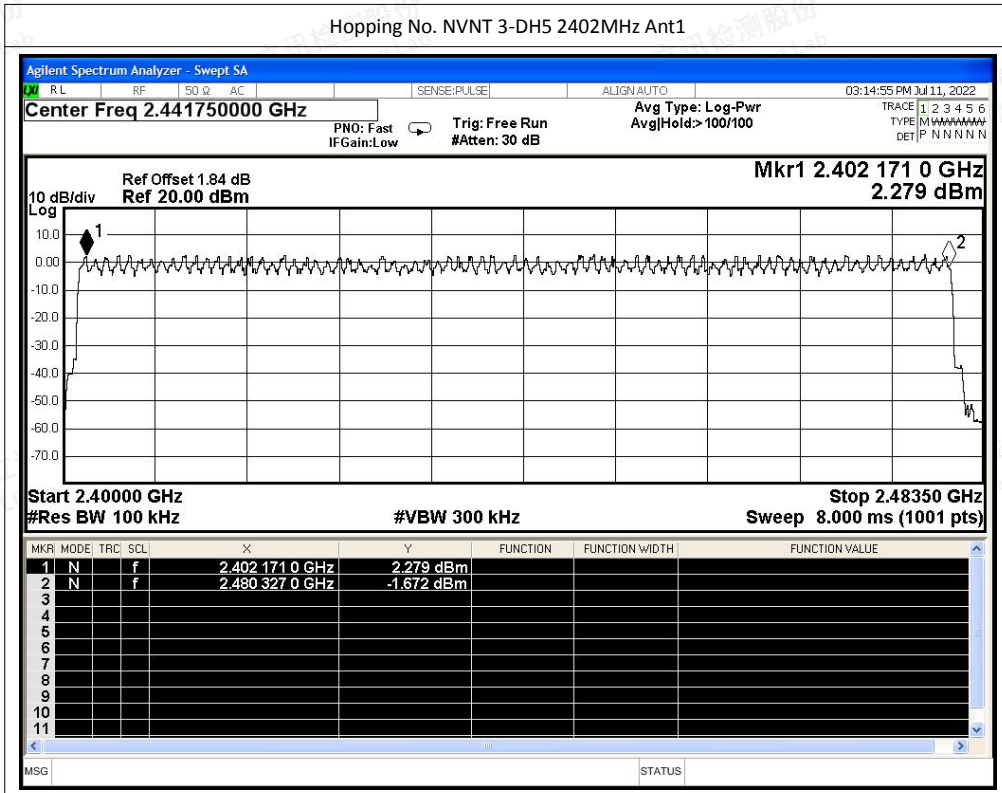


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1





A.6 Band edge measurements

Test Result

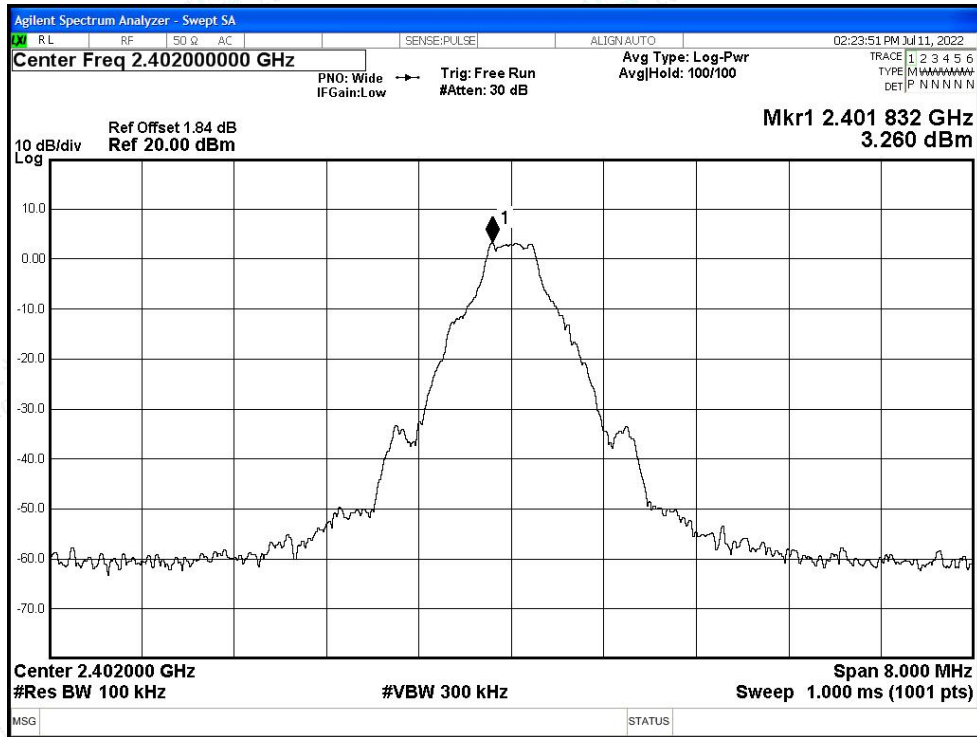
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-58.82	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.83	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-56.58	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-59.43	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.69	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-59.34	-20	Pass



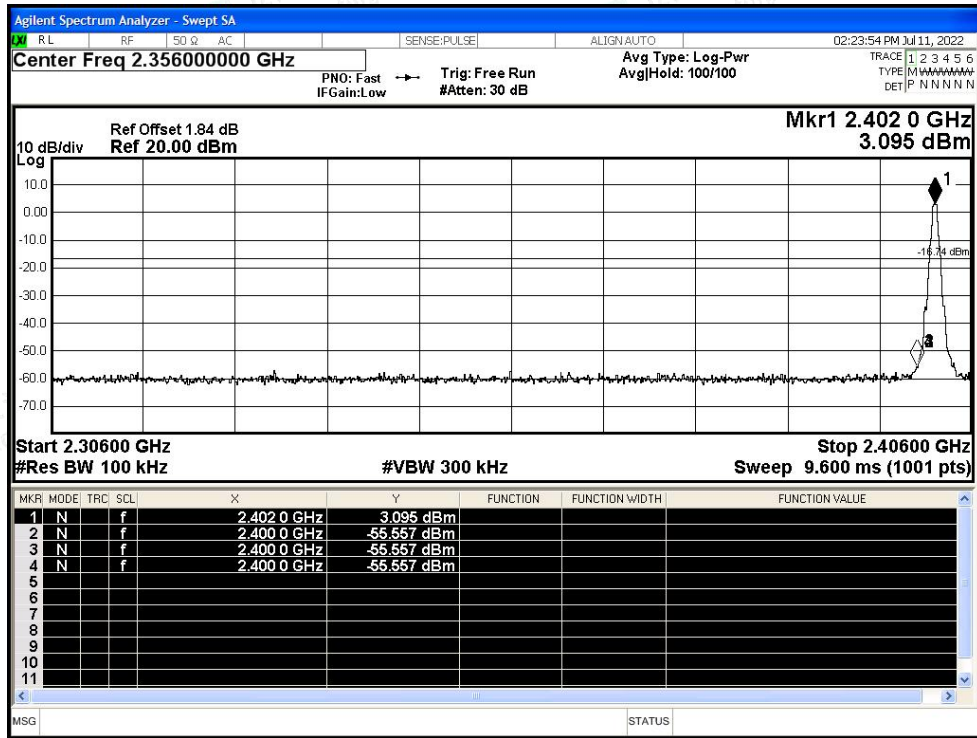


Test Graphs

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

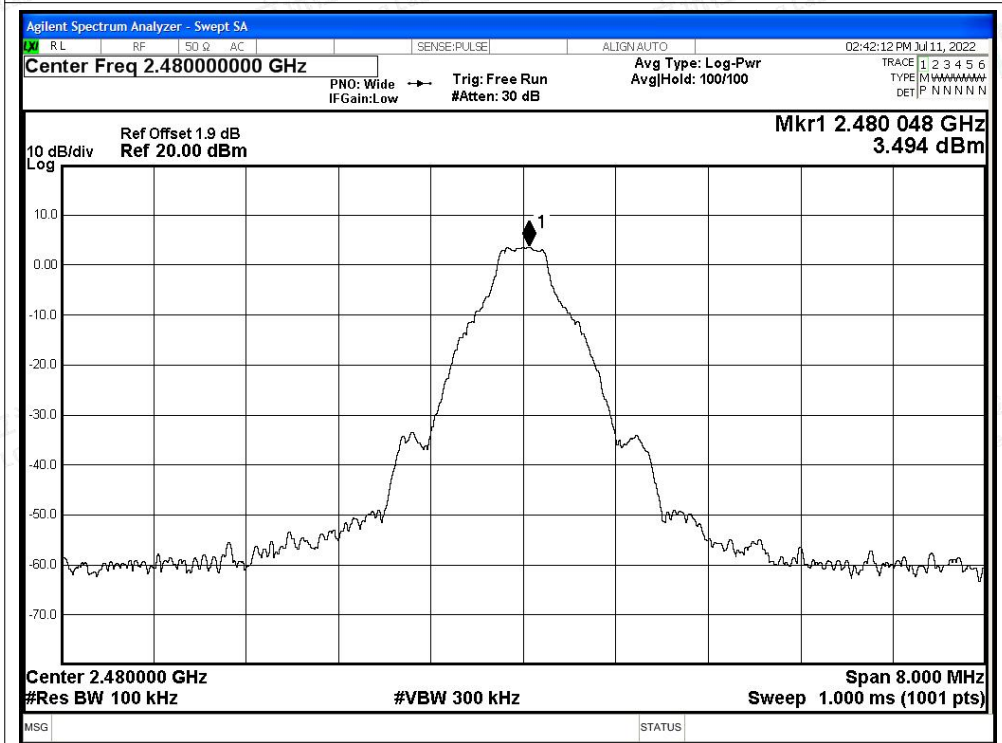


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission





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



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

