

Appendix A

RF Test Data for BT (Conducted Measurement)

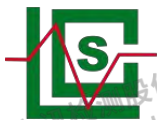
Product Name: Smart Watch

Test Model: Wave Style Call

Environmental Conditions

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





A.1 -20dB Bandwidth

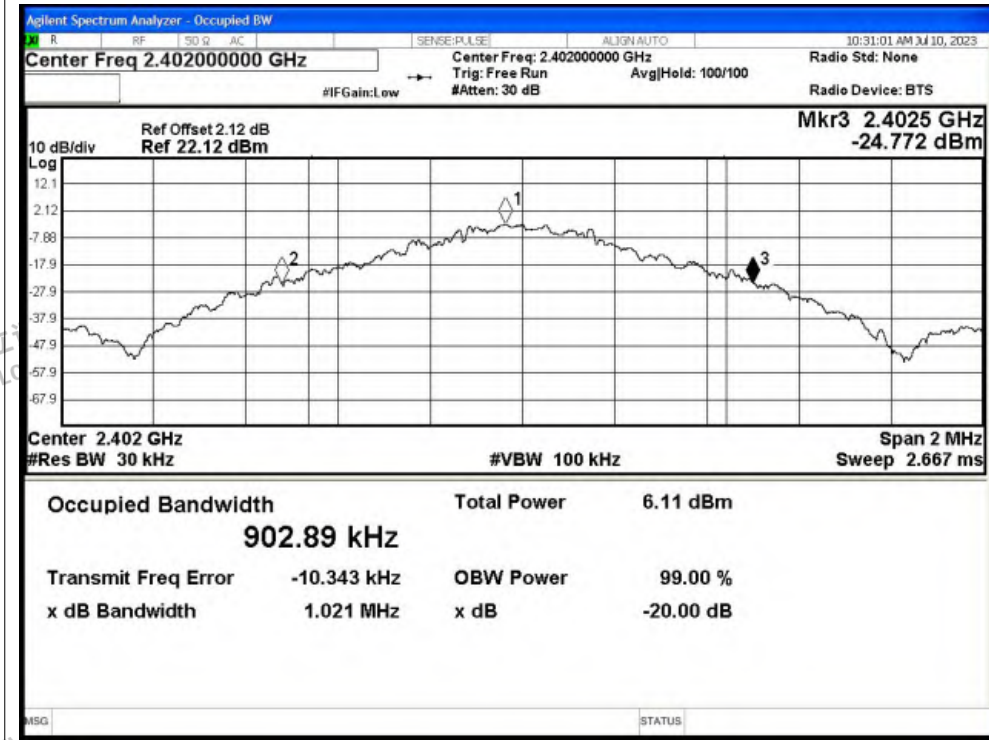
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.021	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.025	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.973	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.31	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.284	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.325	N/A	Pass



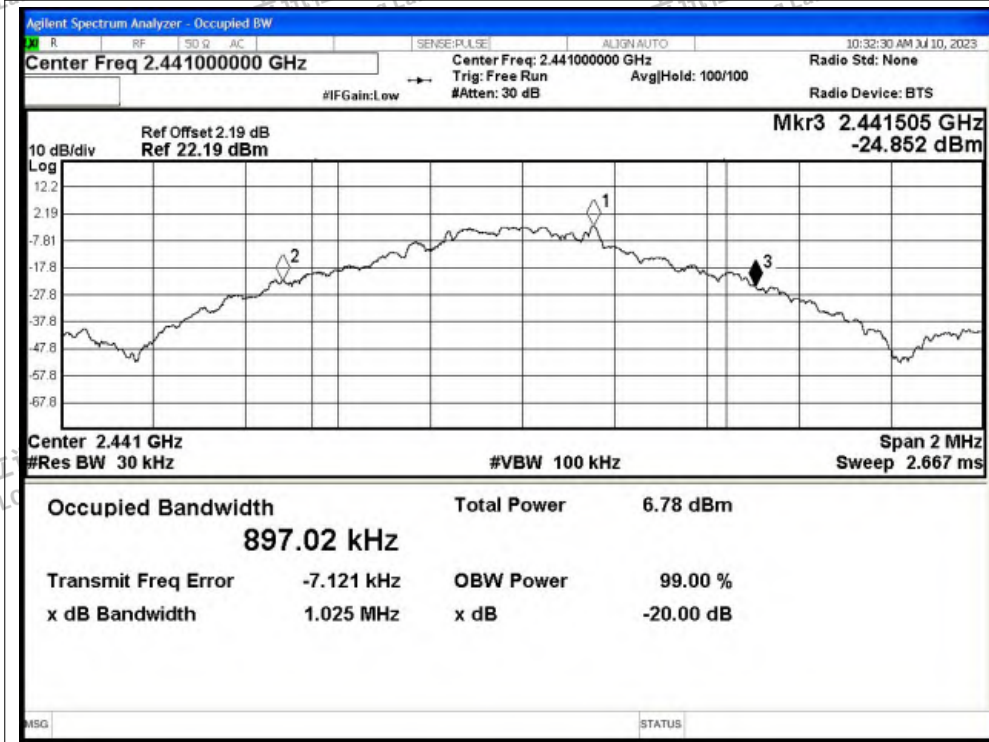


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

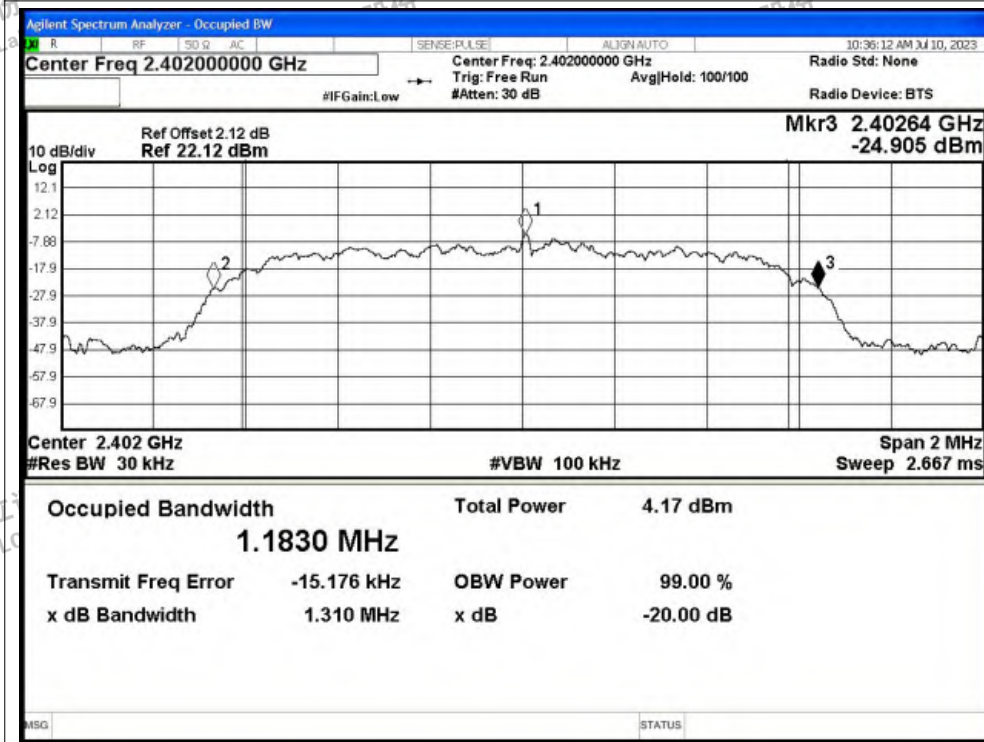




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

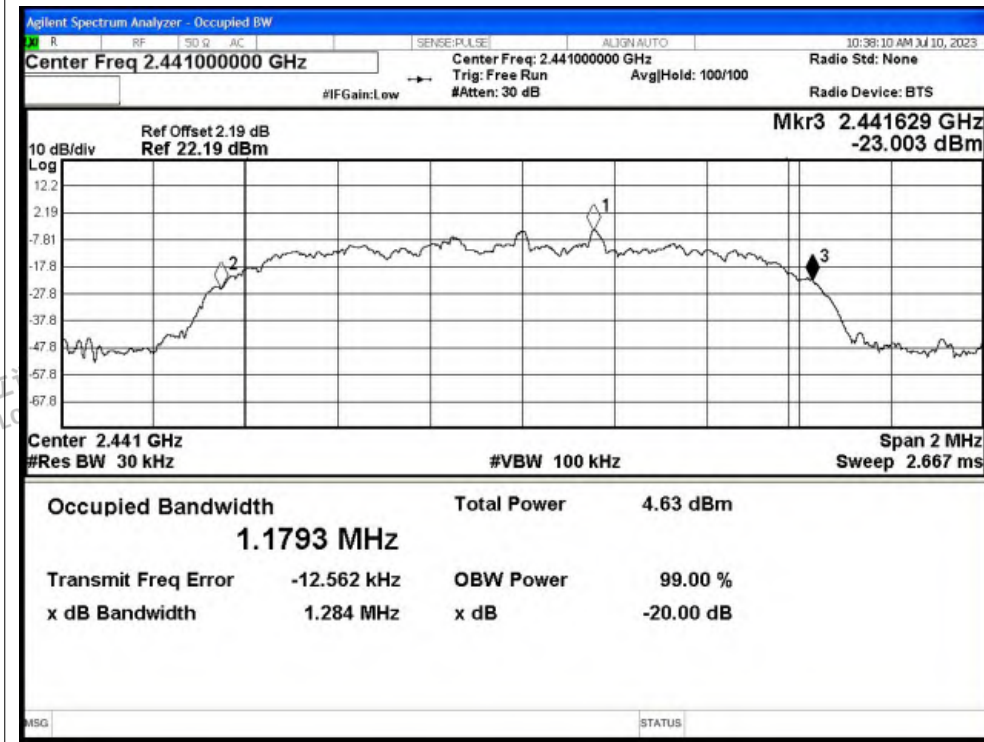


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

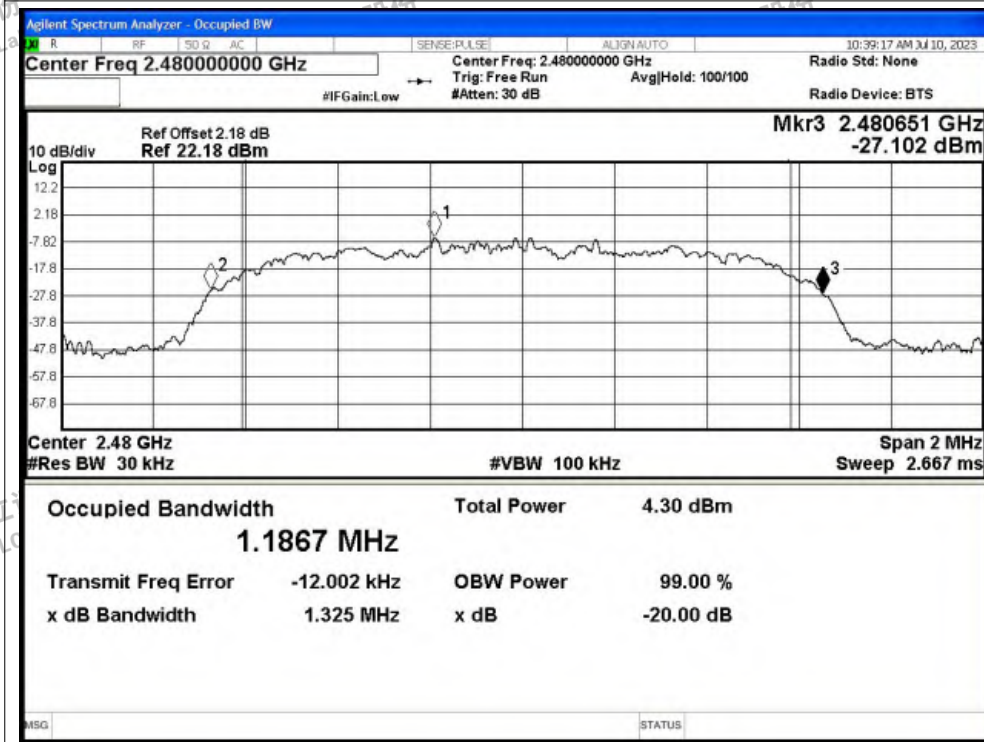




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

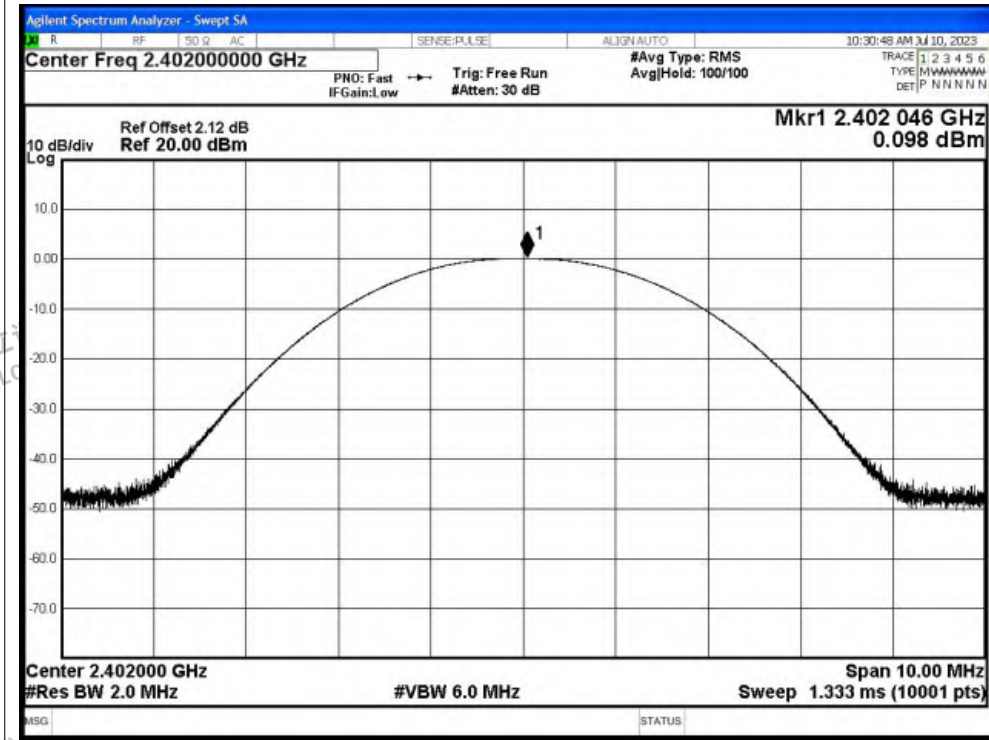
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.1	21	Pass
NVNT	1-DH5	2441	Ant1	0.32	21	Pass
NVNT	1-DH5	2480	Ant1	0.3	21	Pass
NVNT	2-DH5	2402	Ant1	-0.06	21	Pass
NVNT	2-DH5	2441	Ant1	0.13	21	Pass
NVNT	2-DH5	2480	Ant1	0.06	21	Pass



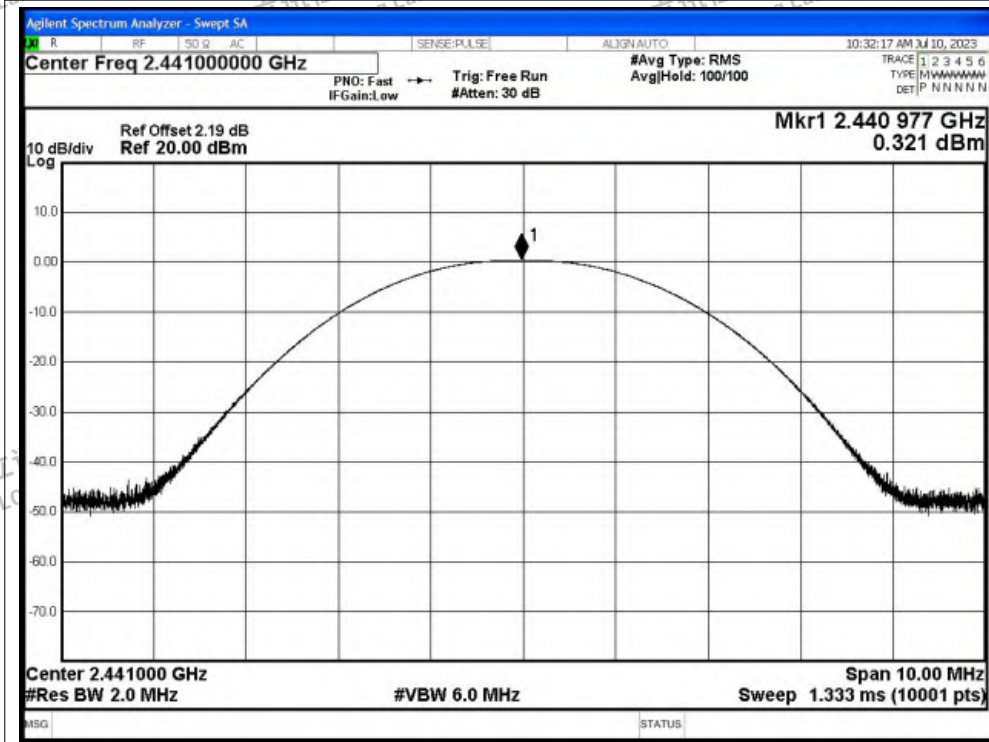


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

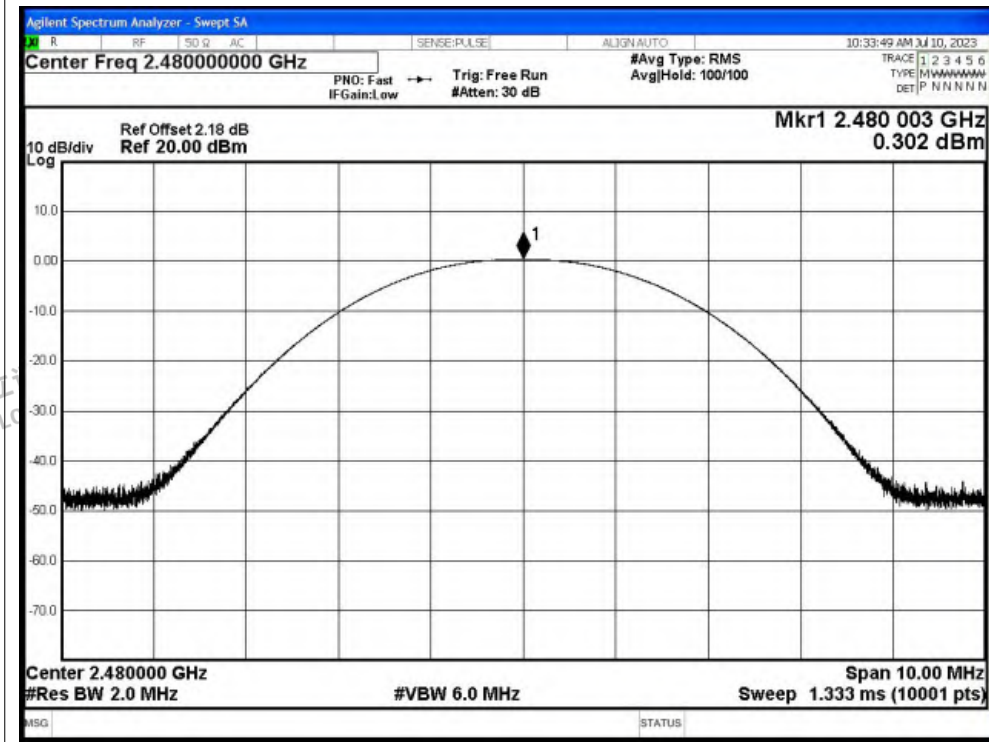


Power NVNT 1-DH5 2441MHz Ant1

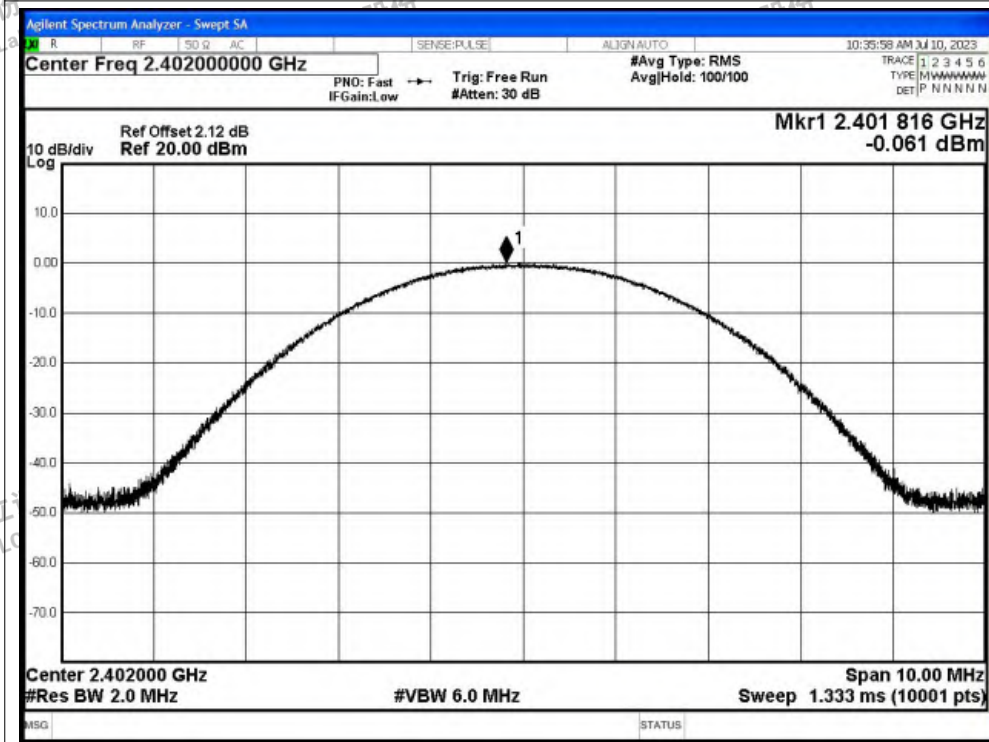




Power NVNT 1-DH5 2480MHz Ant1

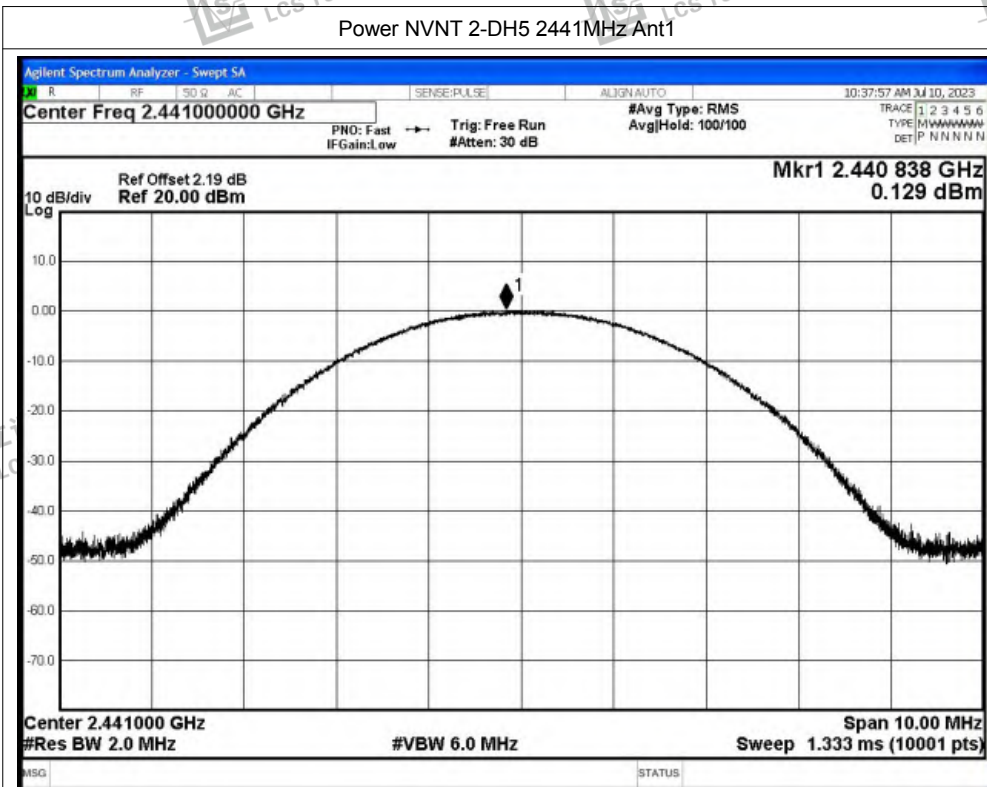


Power NVNT 2-DH5 2402MHz Ant1

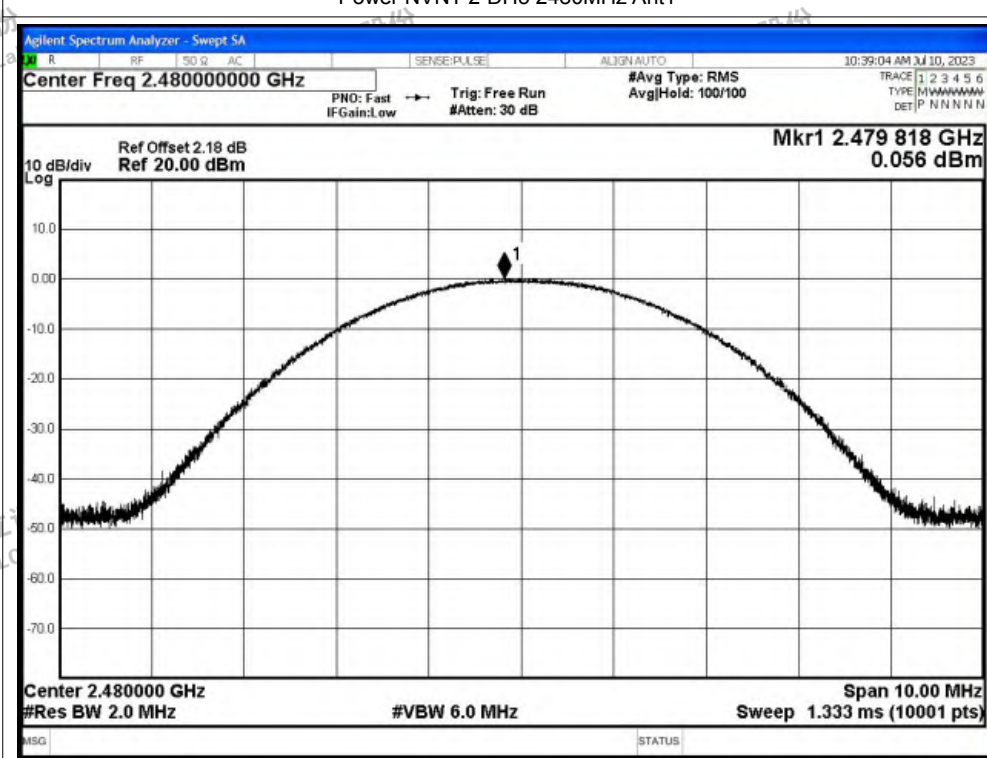


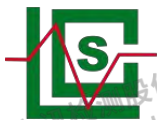


Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1





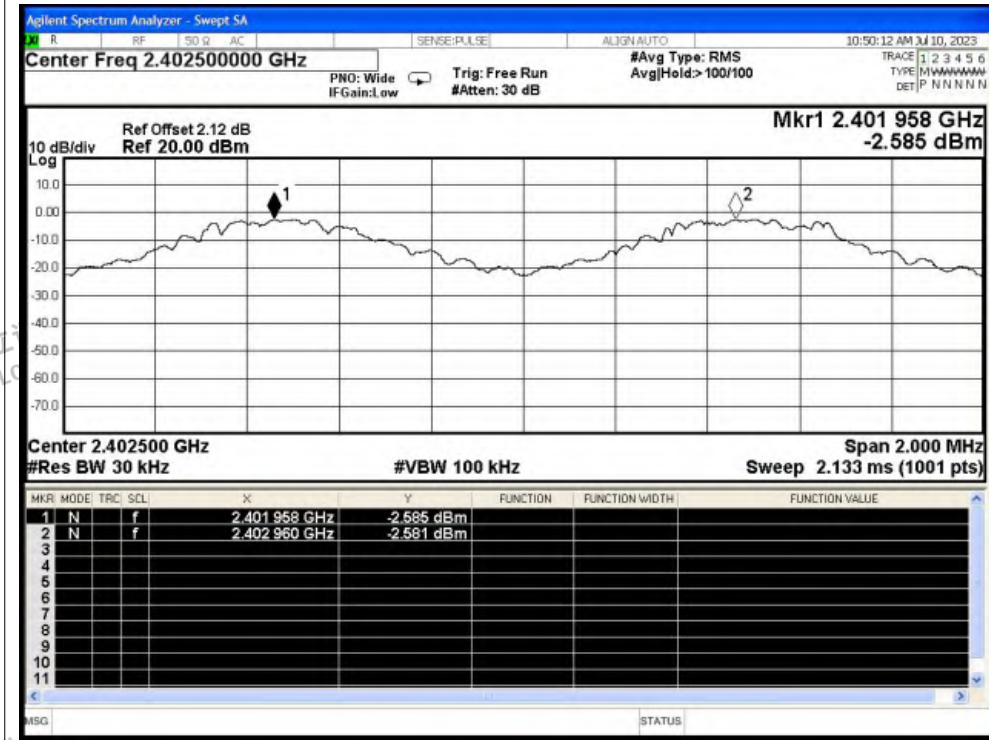
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.958	2402.96	1.002	0.683	Pass
NVNT	2-DH5	Ant1	2402.15	2403.152	1.002	0.883	Pass

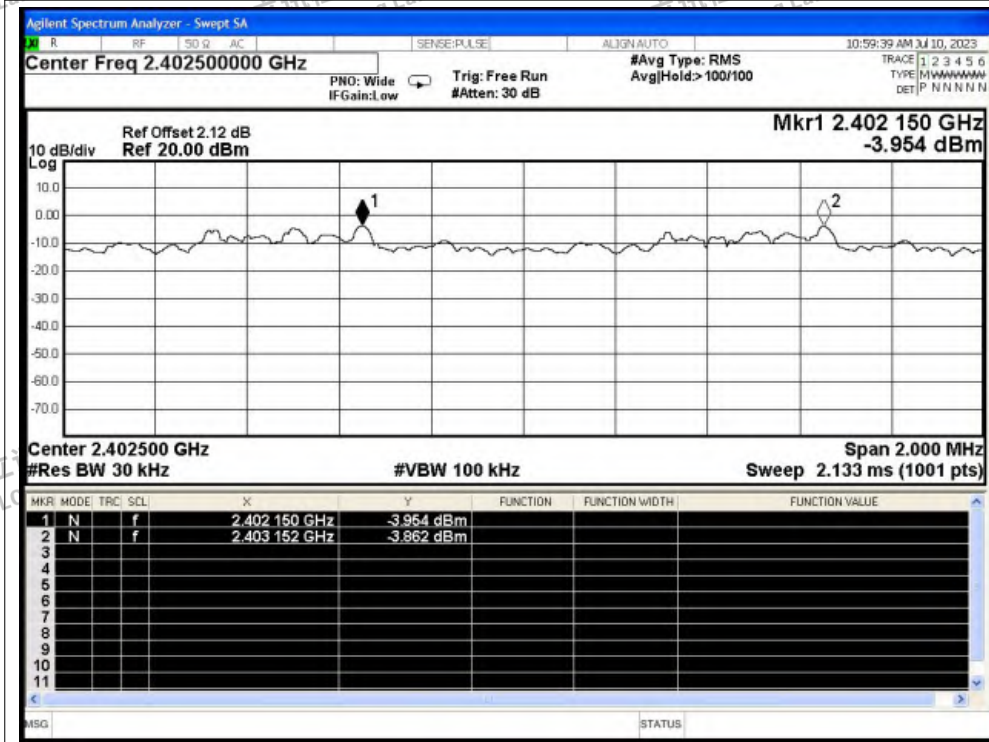


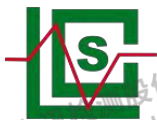
Test Graphs

CFSS NVNT 1-DH5 2402MHz Ant1



CFSS NVNT 2-DH5 2402MHz Ant1





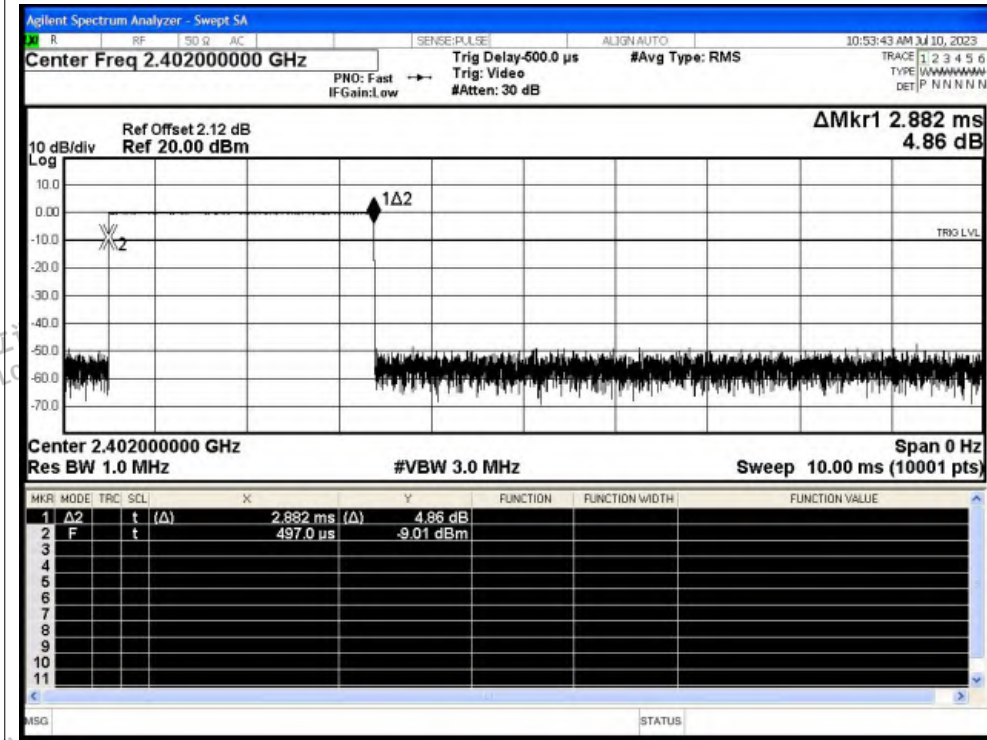
A.4 Dwell Time

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	293.964	102	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	253.44	88	31600	400	Pass

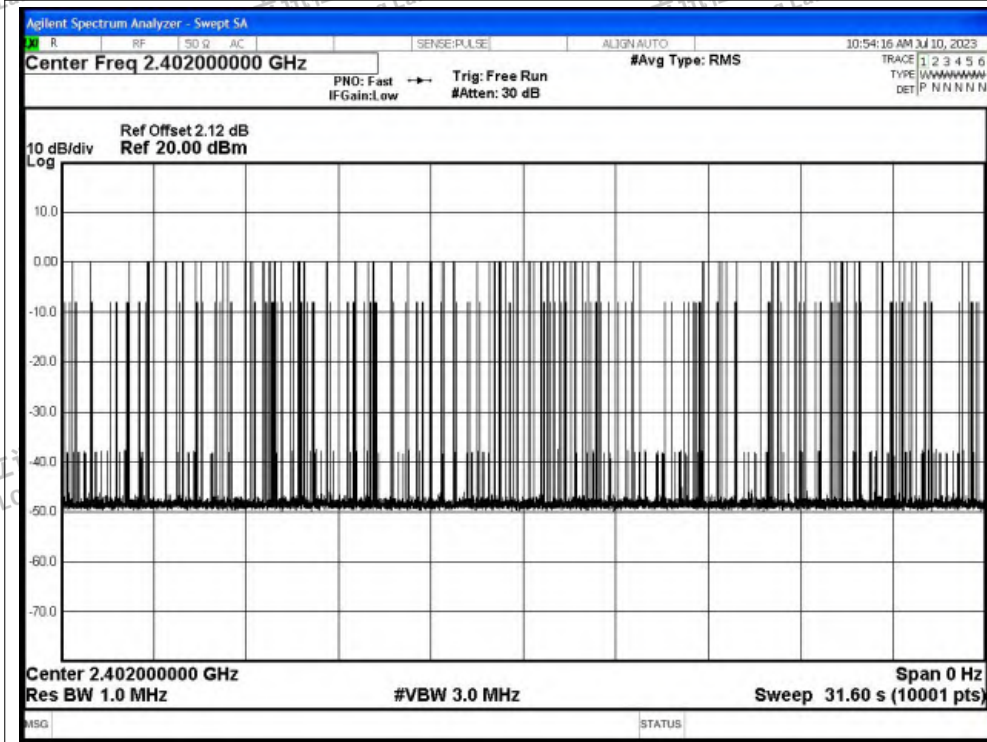


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

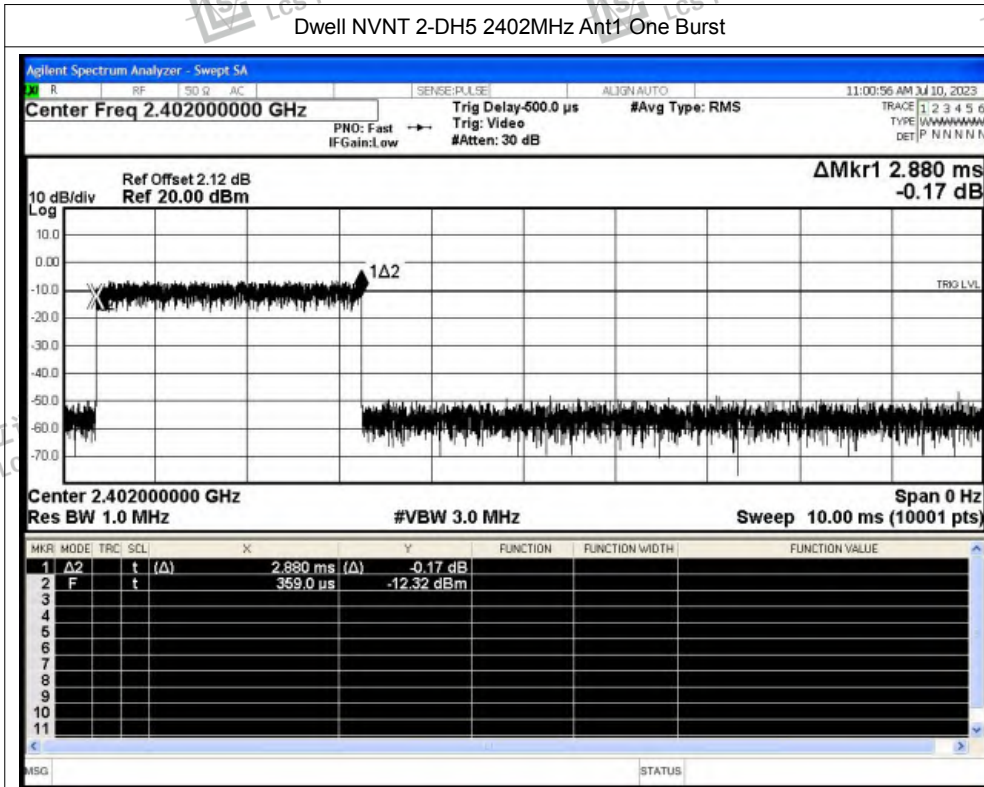


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

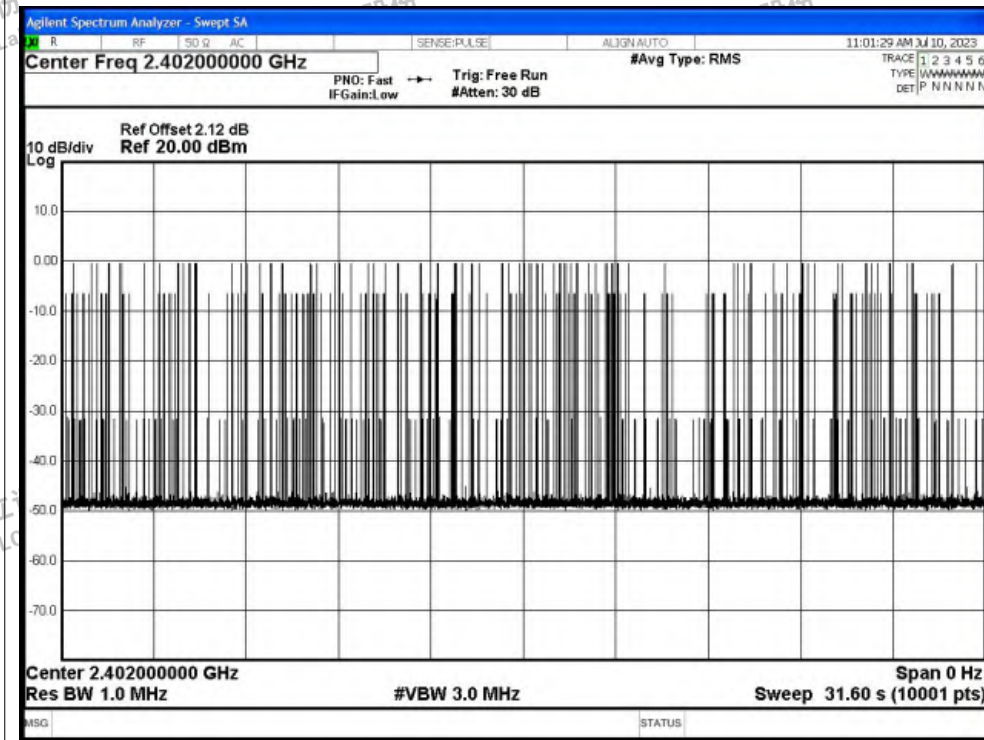


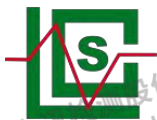


Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated





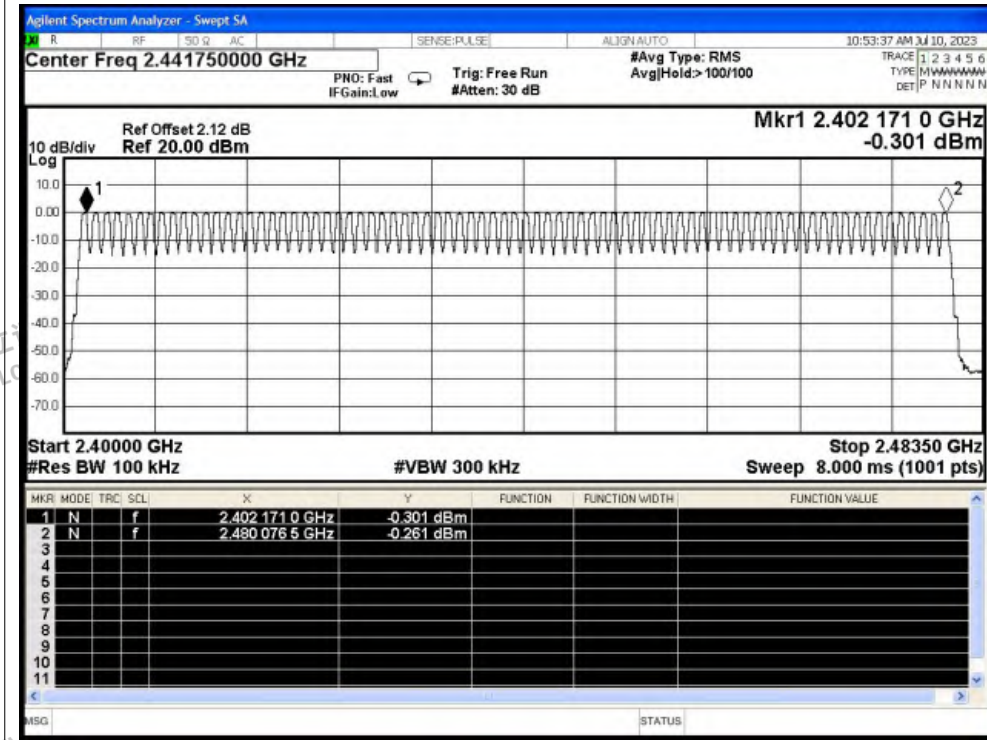
A.5 Number of Hopping Channel

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

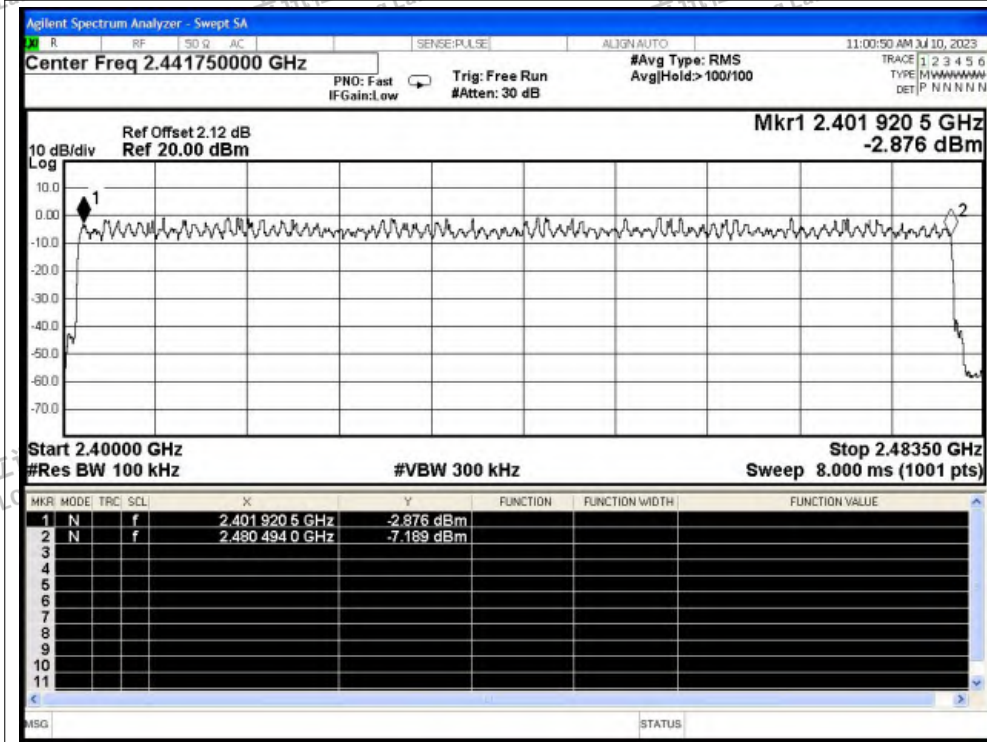


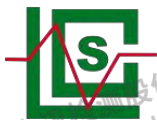
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





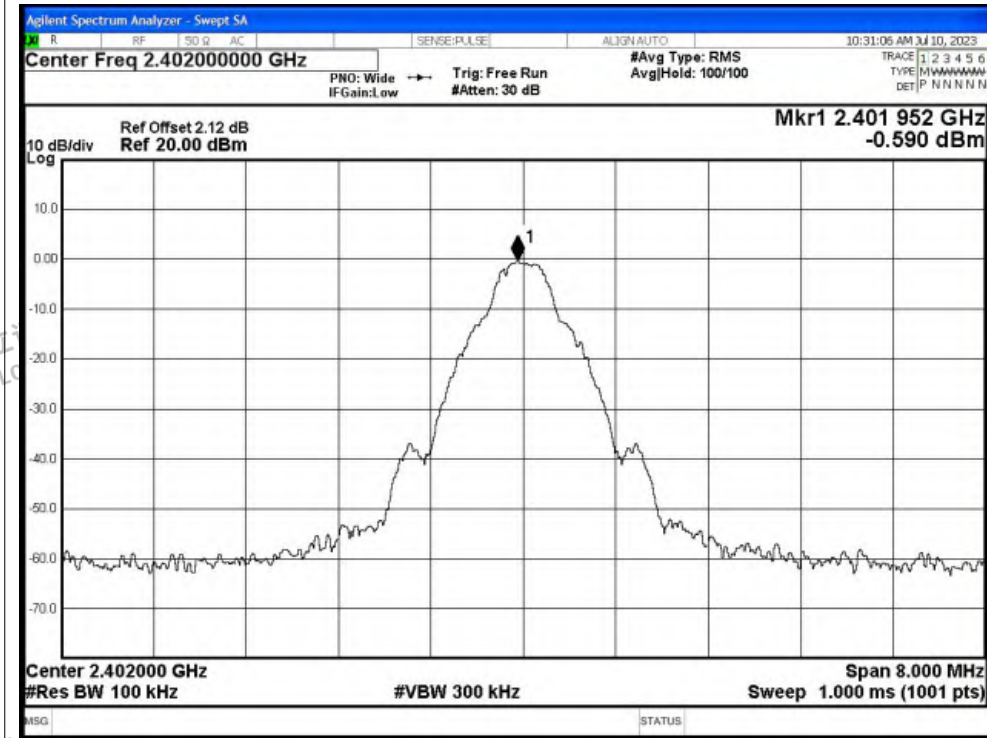
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.15	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.73	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.68	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.8	-20	Pass

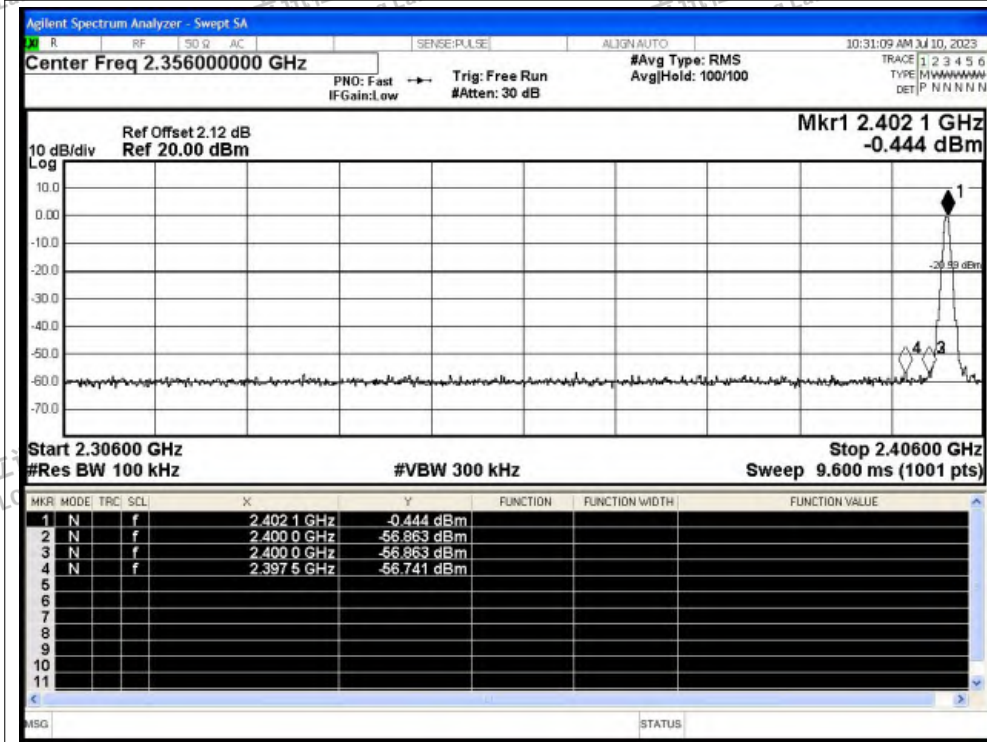


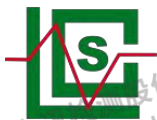
Test Graphs

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

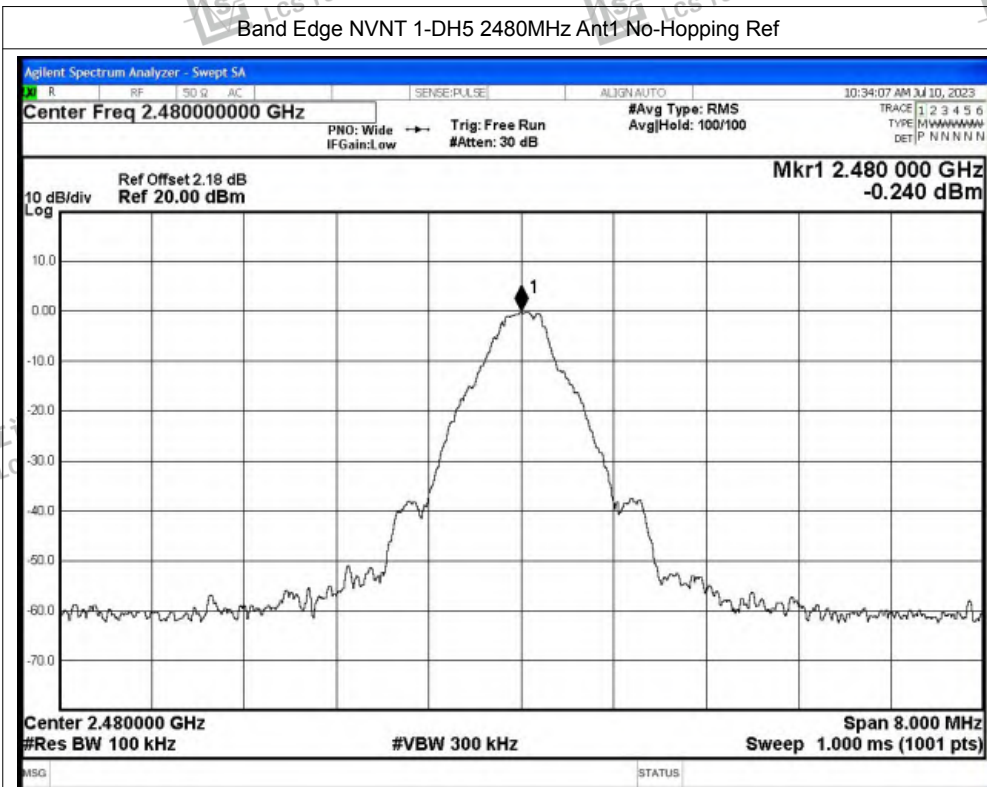


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

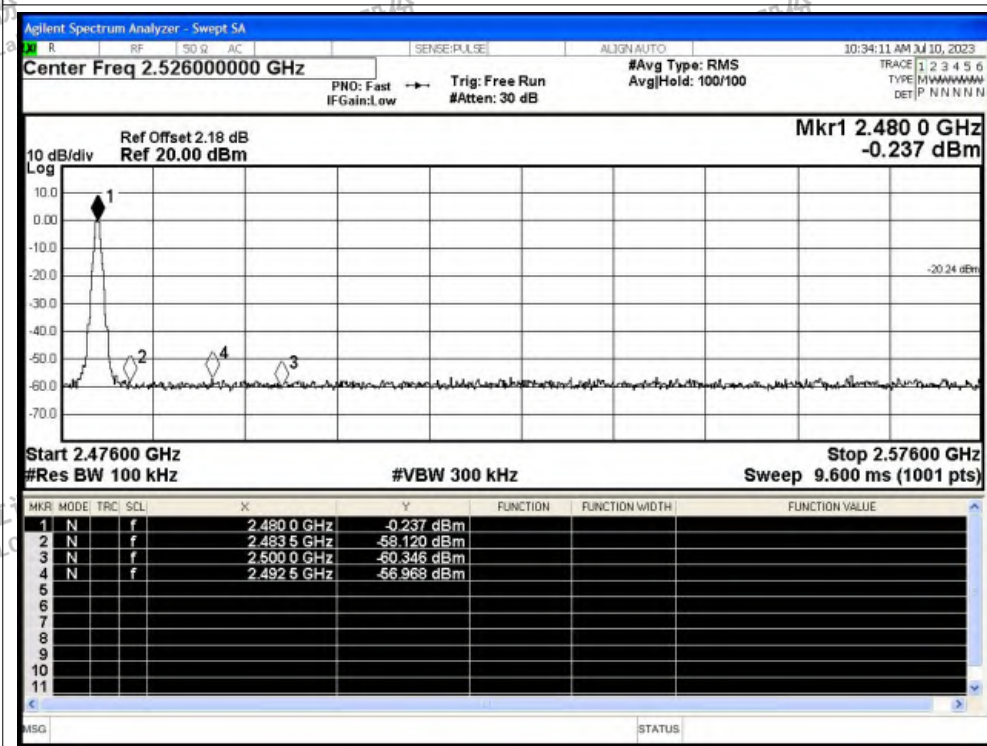




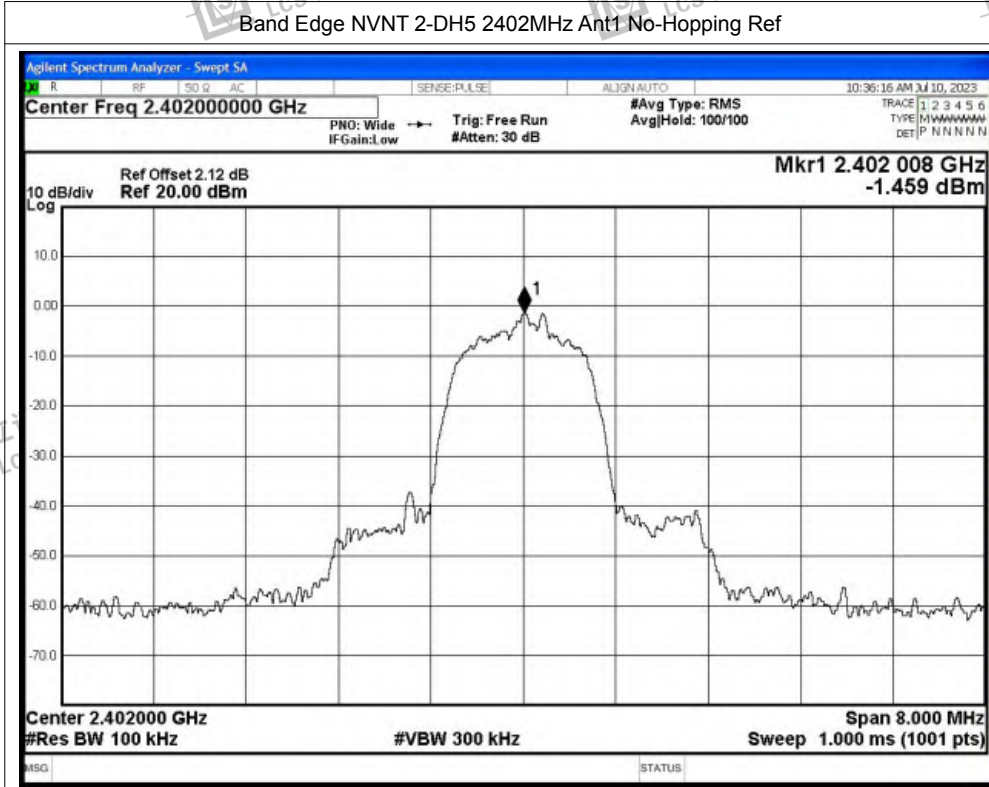
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



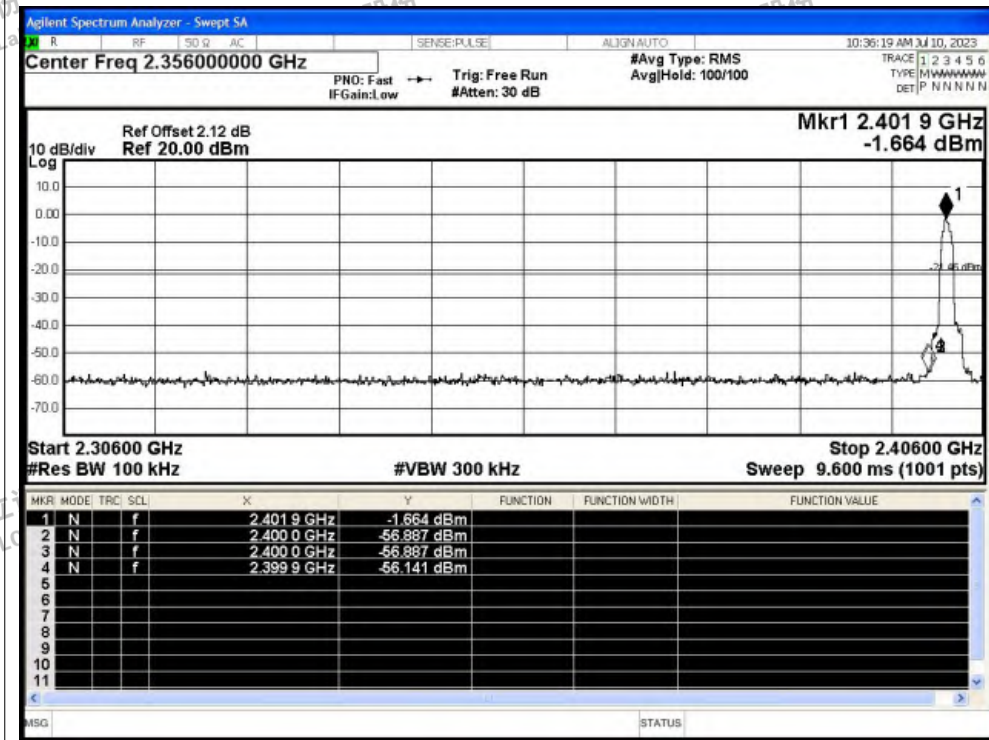
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

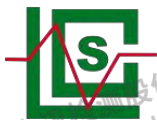


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

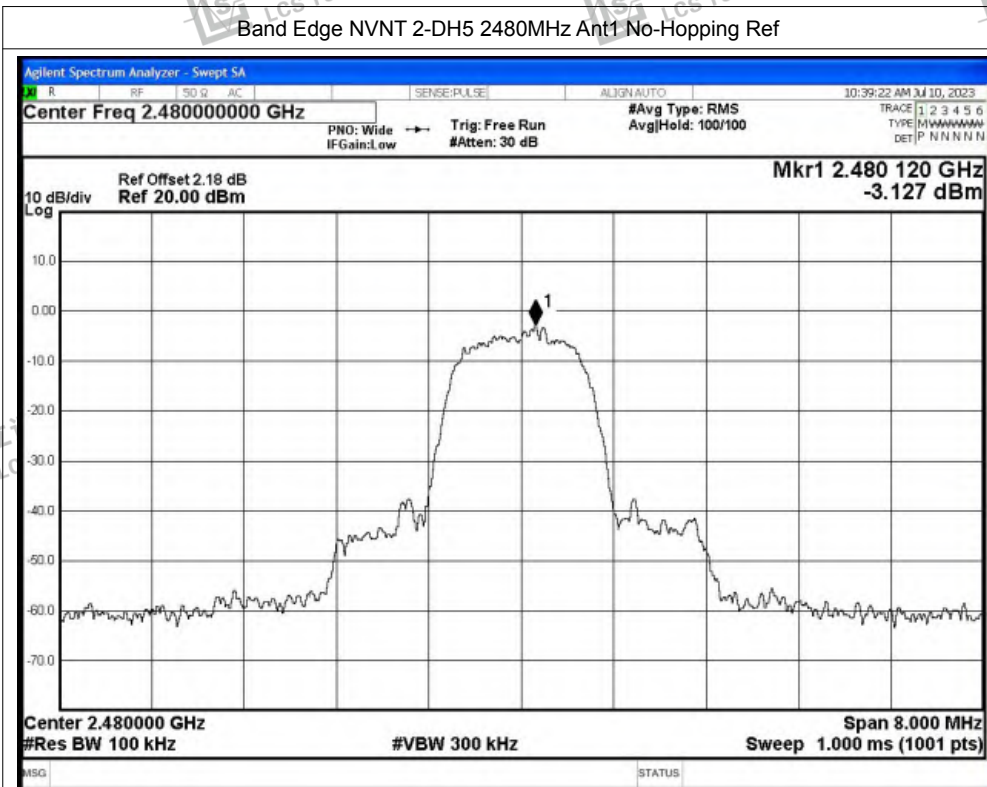


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

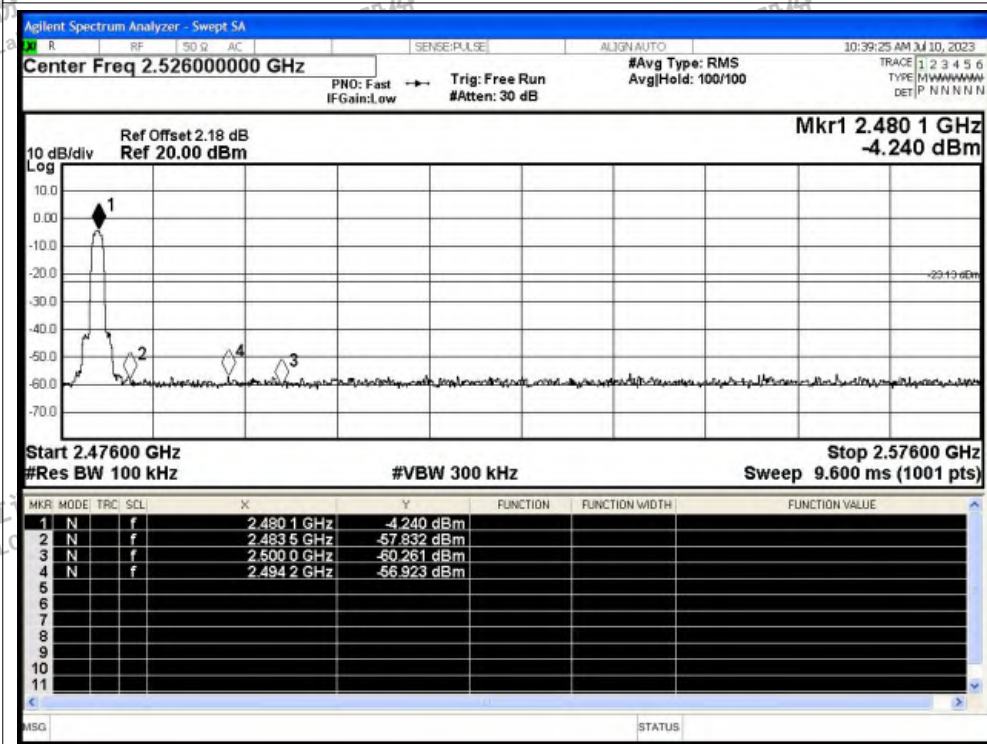


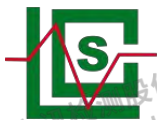


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

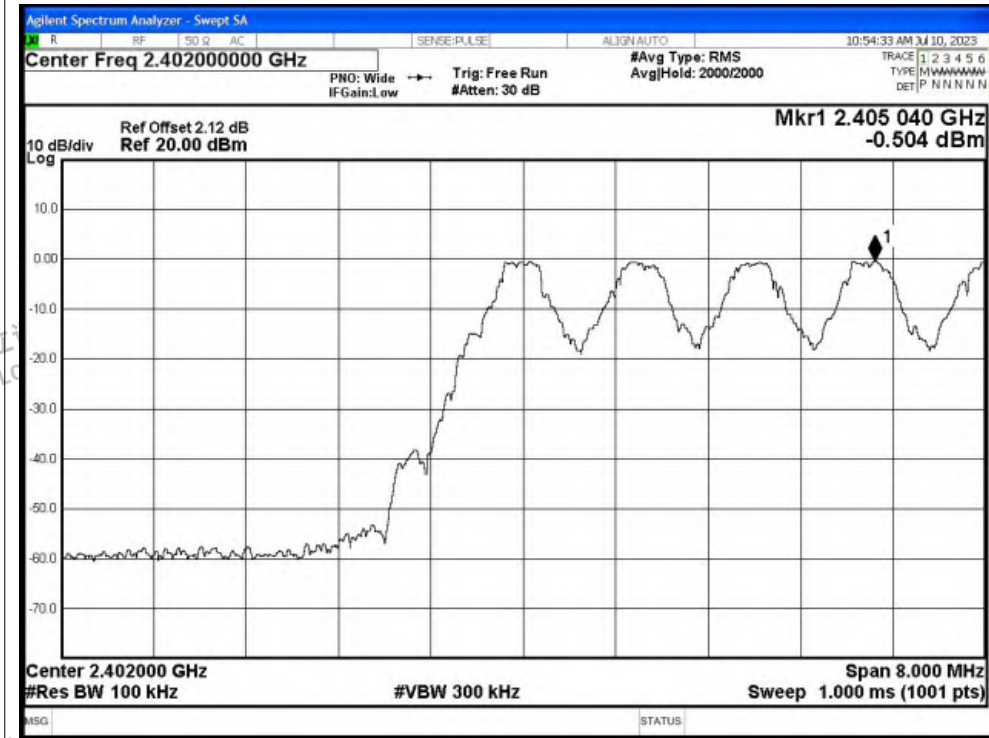
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-54.42	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.1	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.21	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.97	-20	Pass



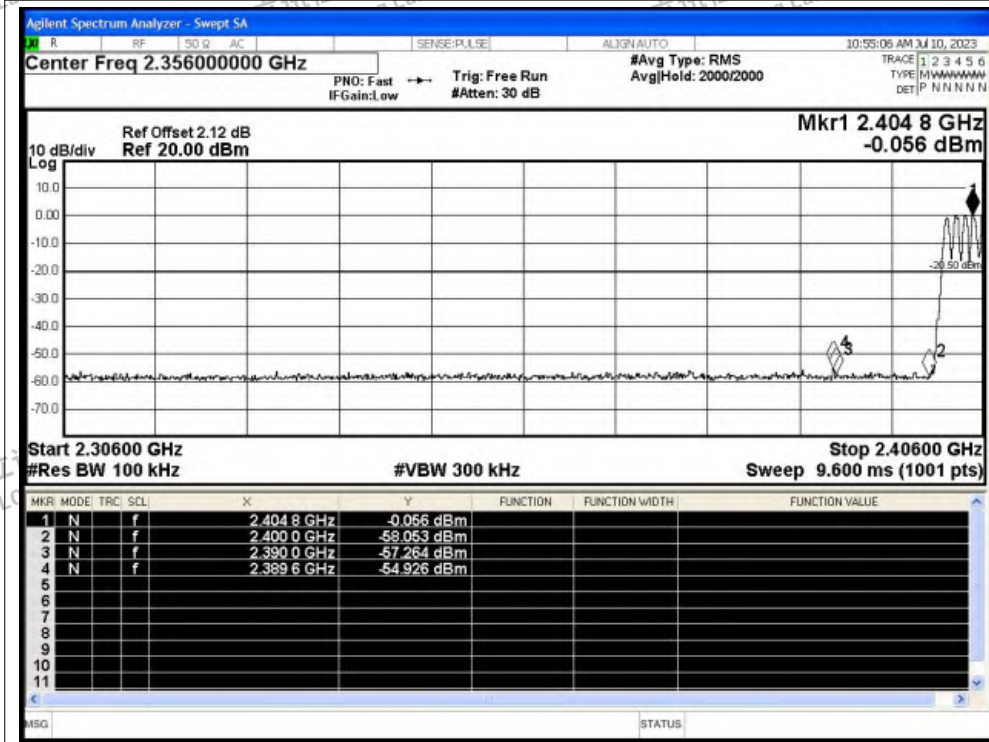


Test Graphs

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

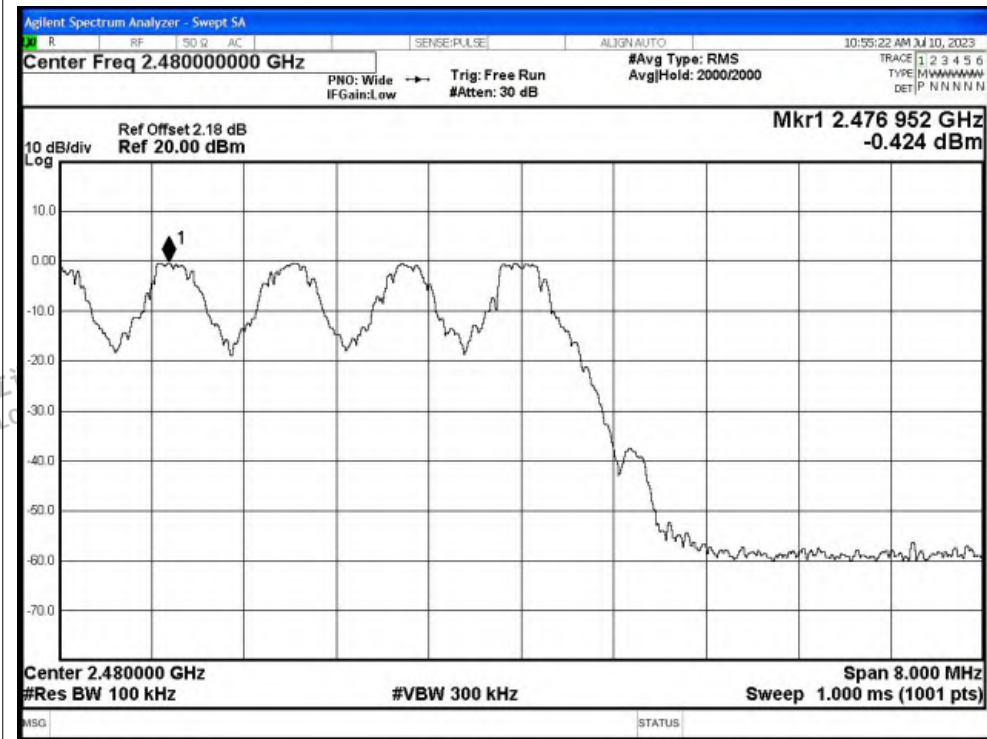


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

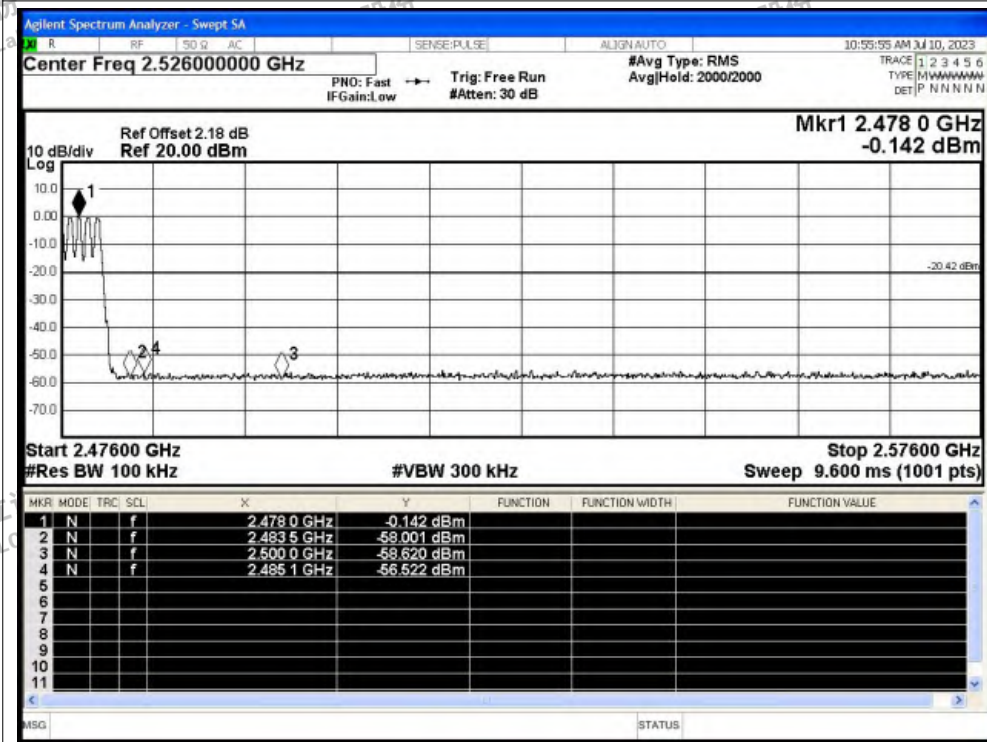




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

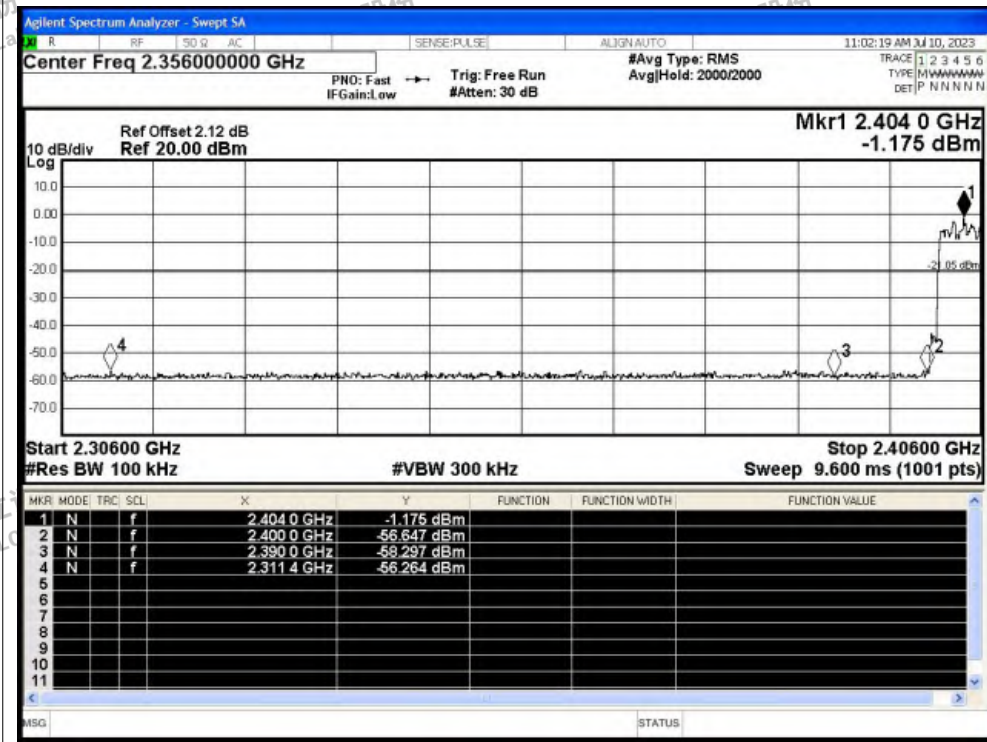


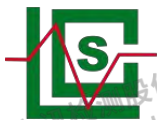


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

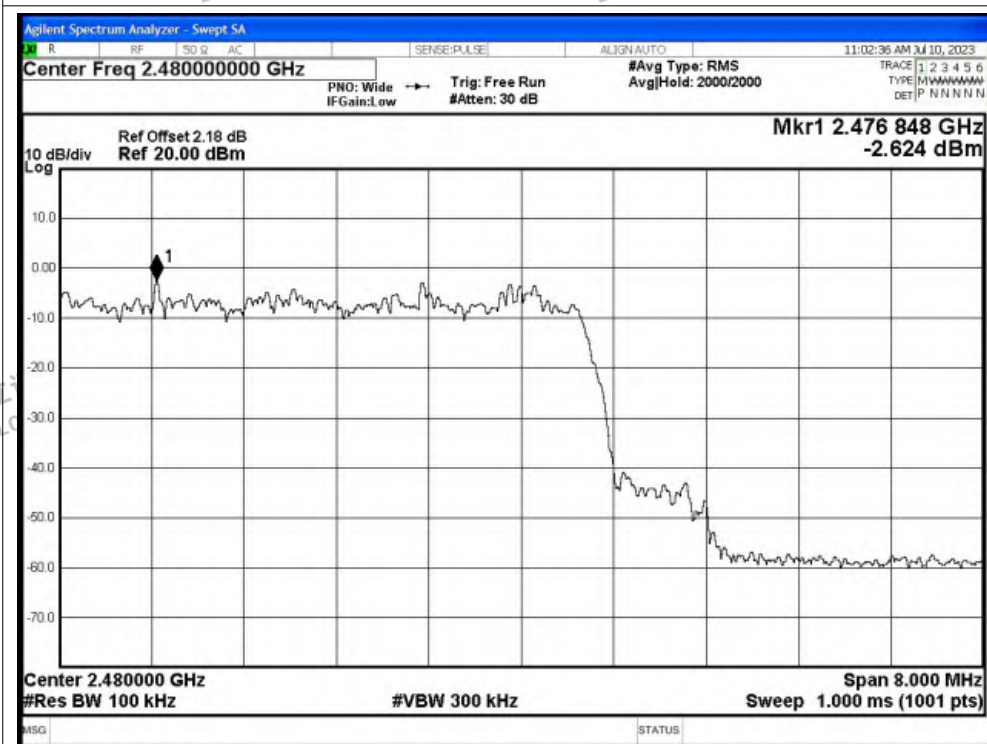


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

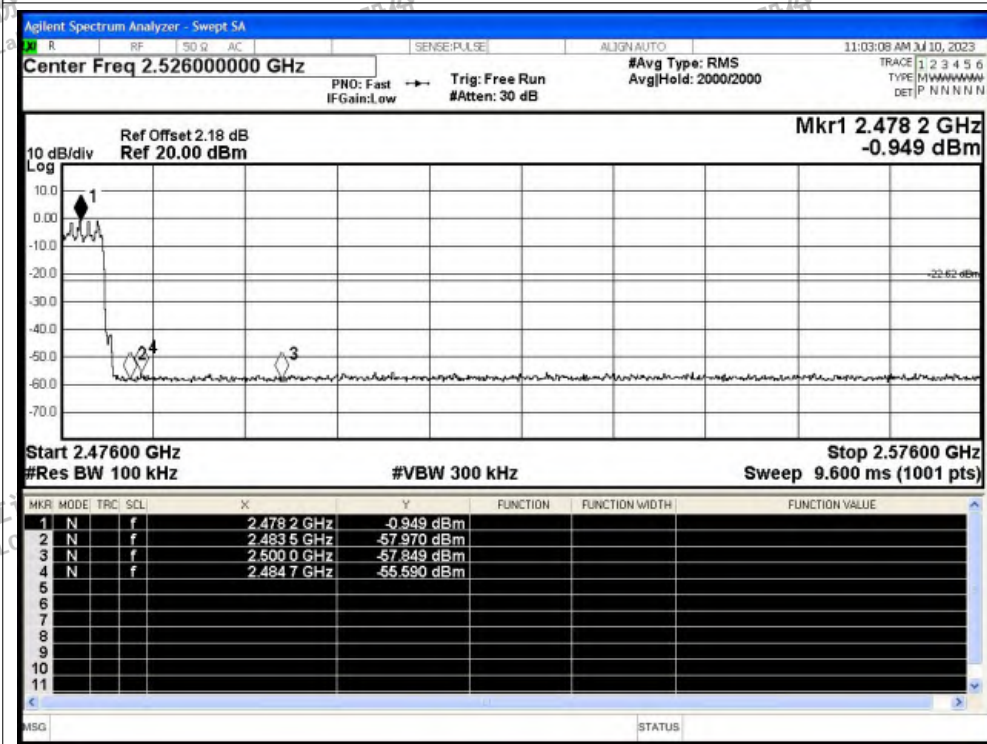


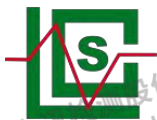


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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





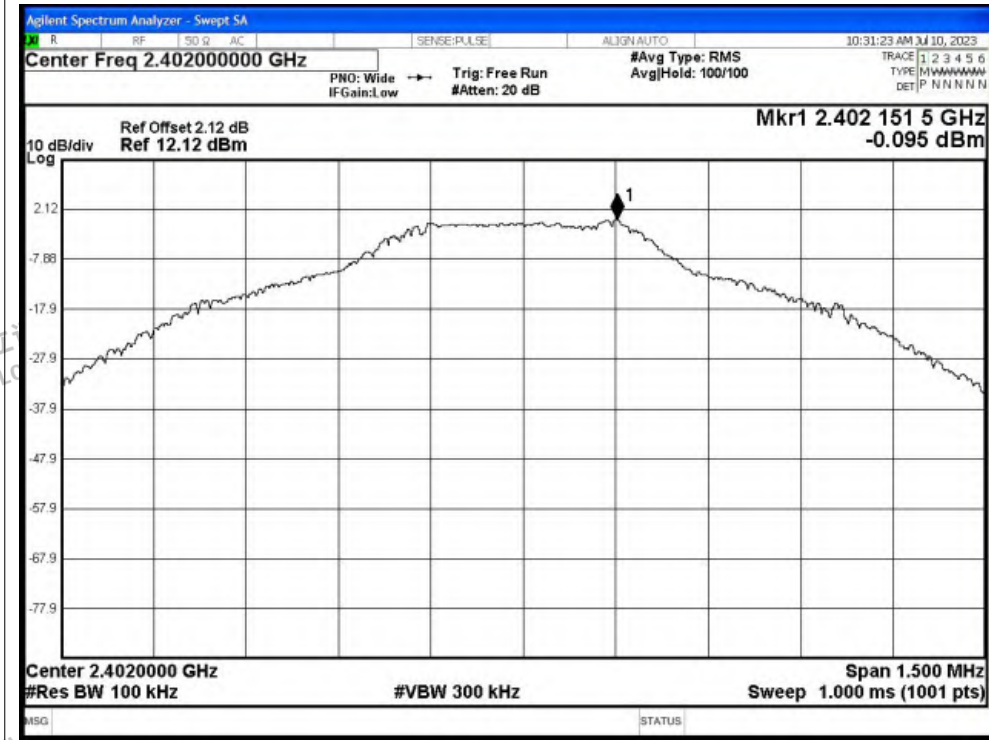
A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-55.37	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.81	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.01	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.98	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.15	-20	Pass
NVNT	2-DH5	2480	Ant1	-52.96	-20	Pass

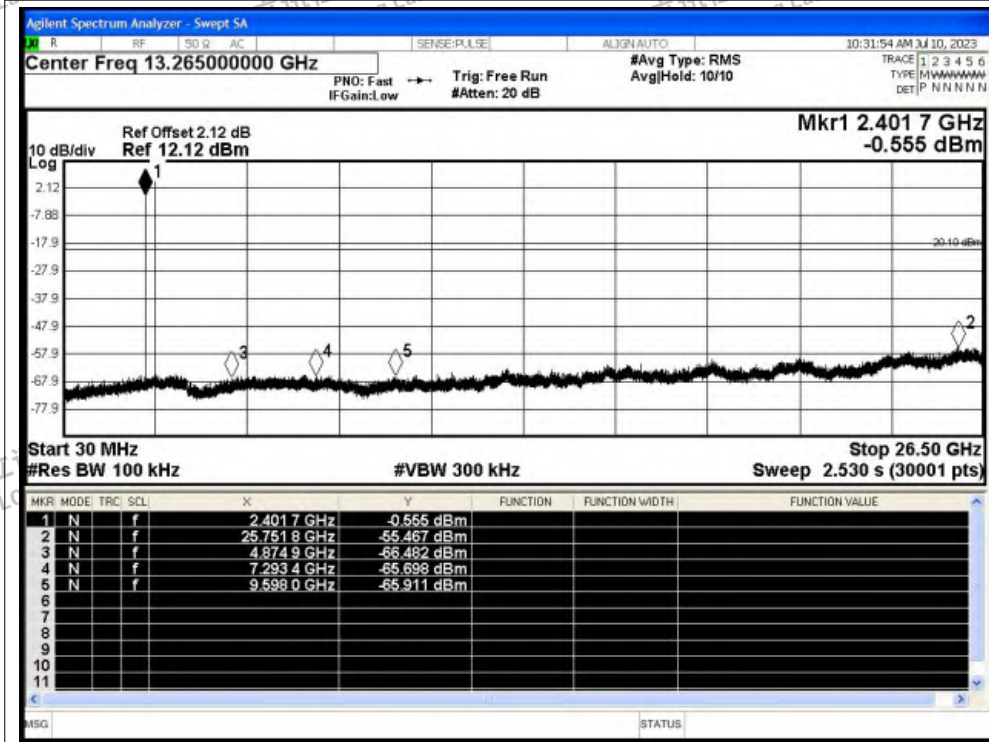


Test Graphs

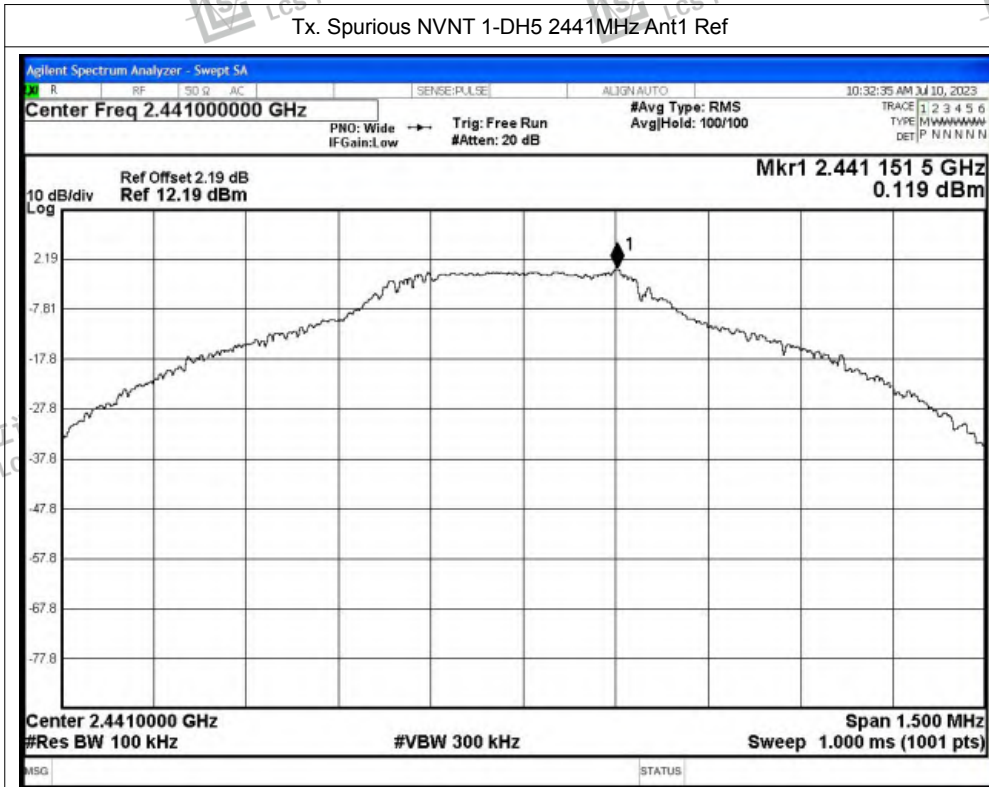
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



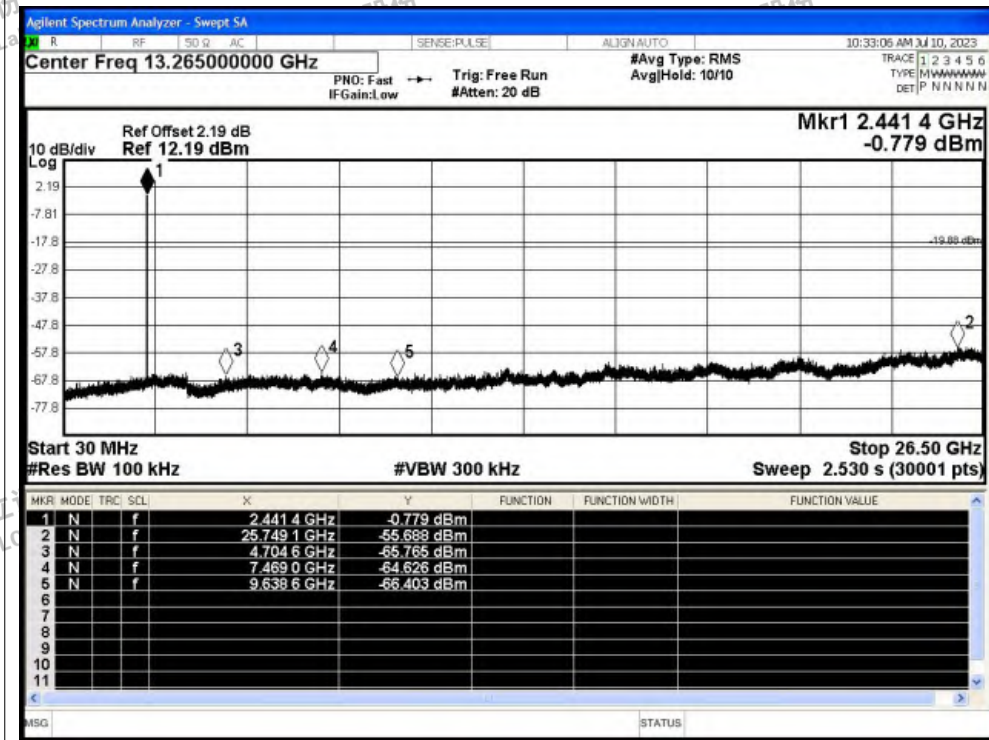
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



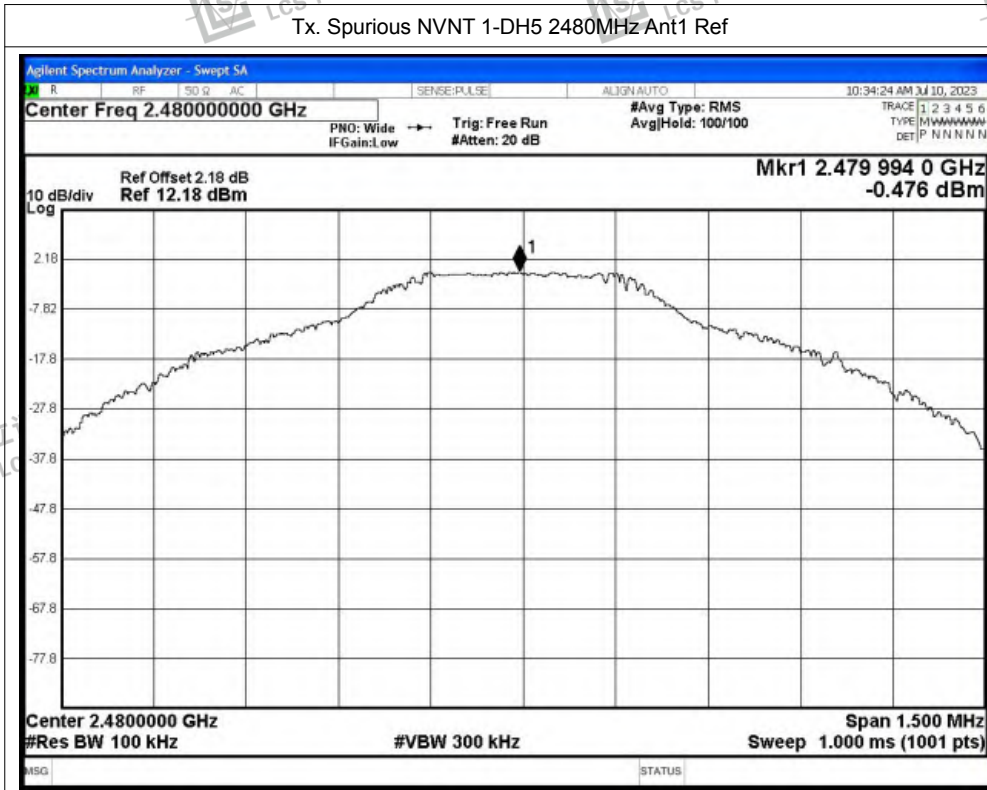
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



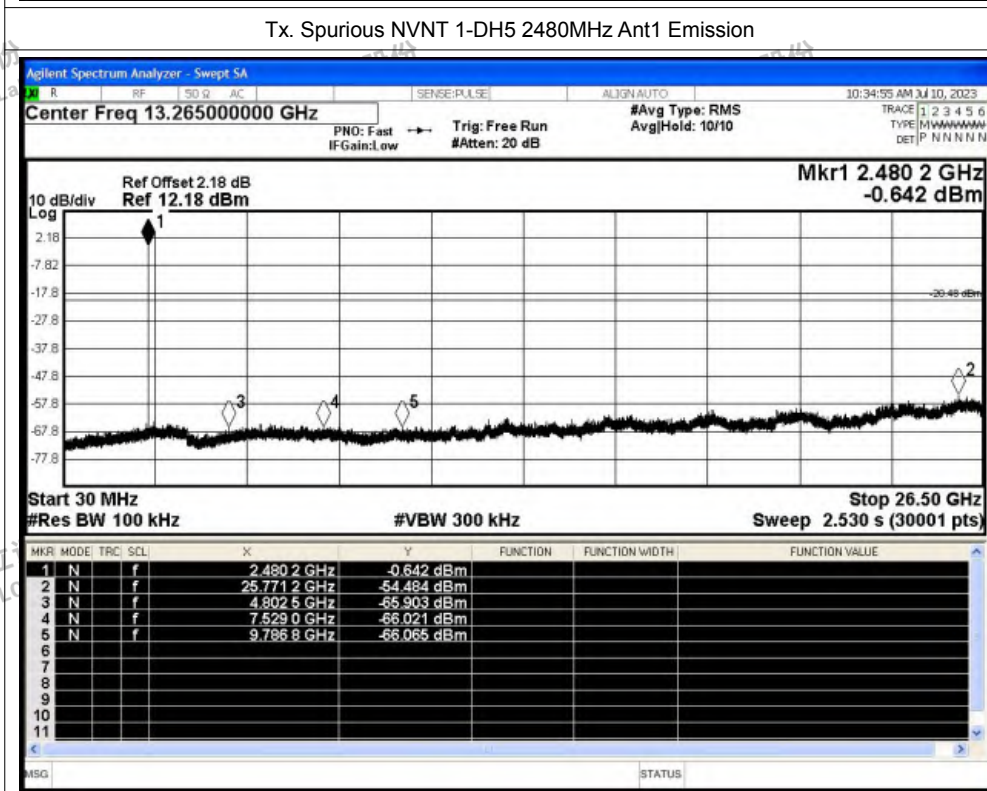
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



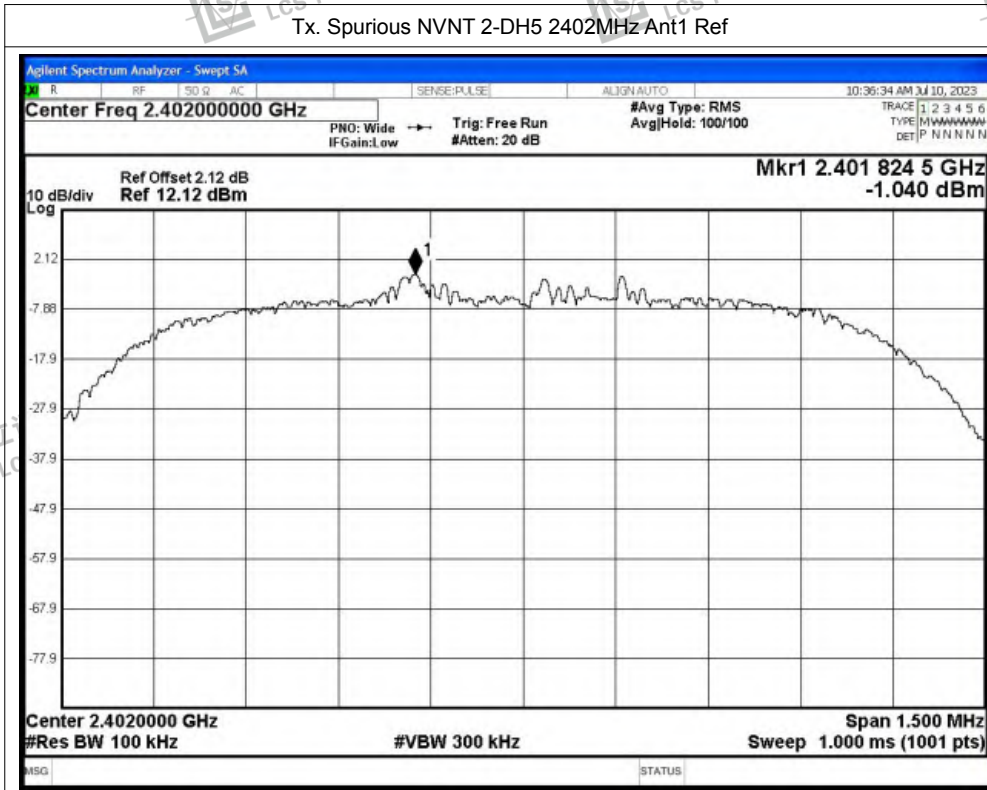
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



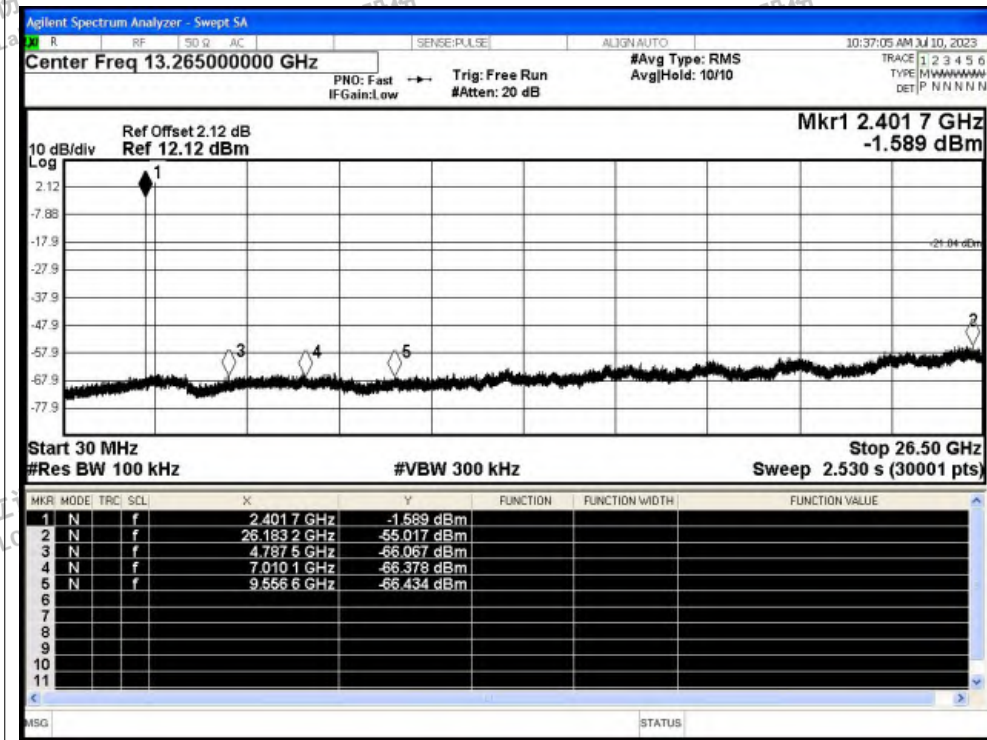
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



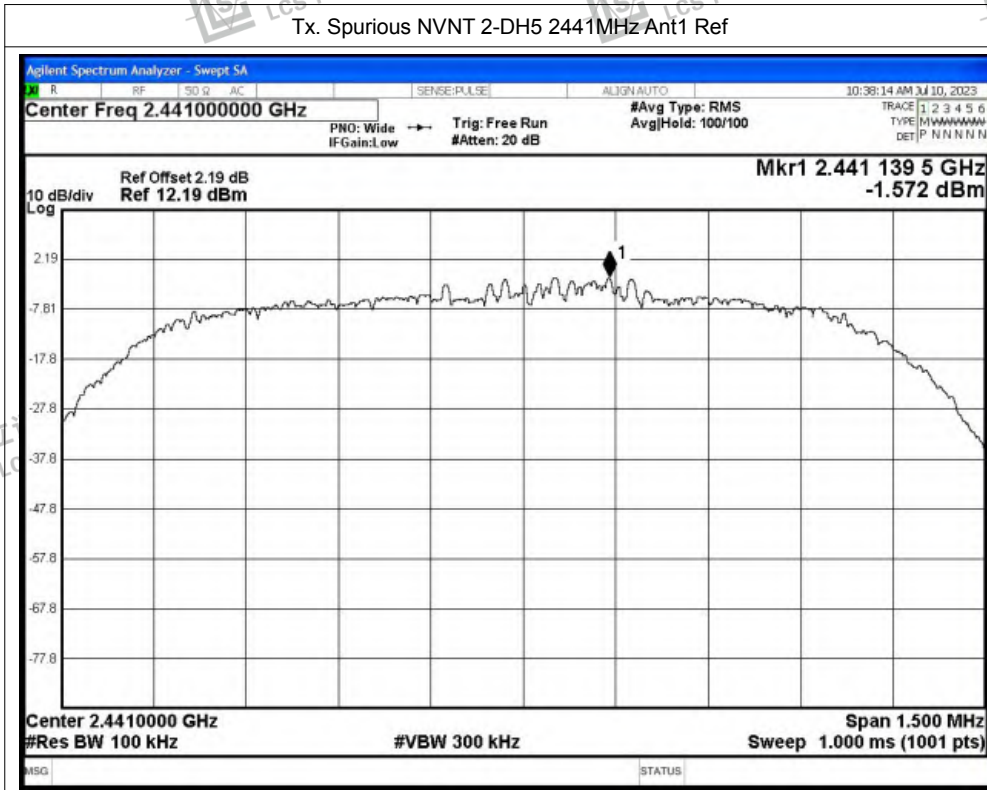
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



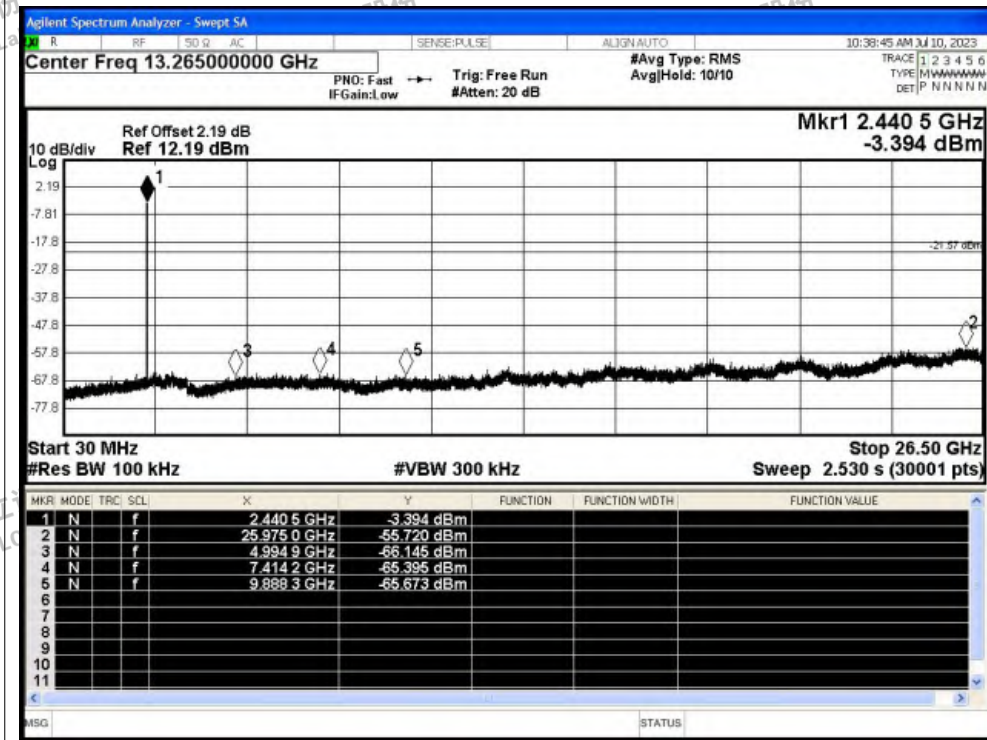
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



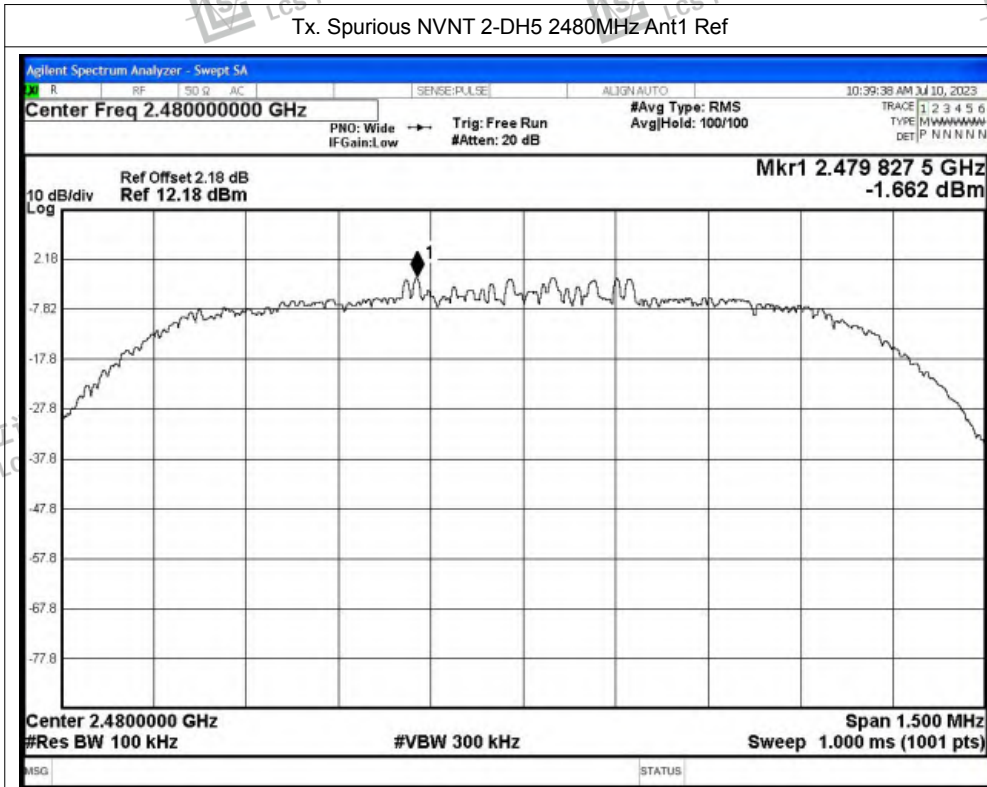
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



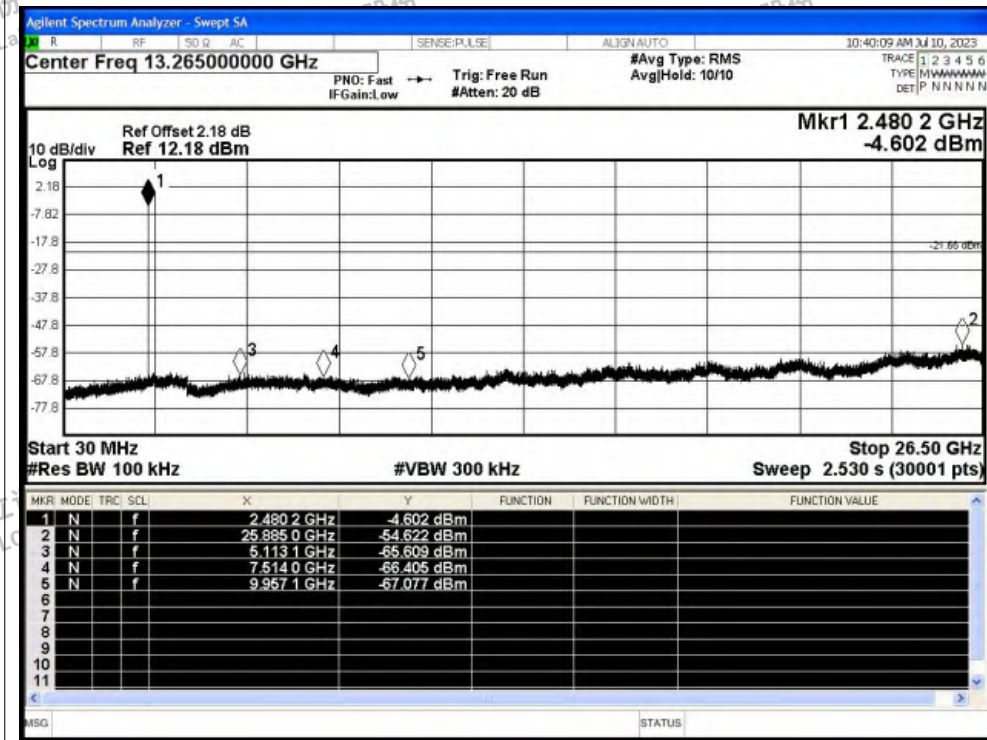
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

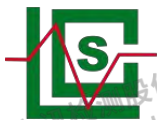


Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission





A.8 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBUV/m)	Detector	Limit (dBUV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-51.71	2	45.55	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.91	2	39.35	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2382.768	-47.61	2	49.65	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2381.52	-57.47	2	39.79	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.05	2	46.21	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.67	2	39.59	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.99	2	46.27	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-55.92	2	41.34	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2499.592	-47.25	2	50.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-55.92	2	41.34	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.54	2	48.72	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.34	2	39.92	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.88	2	46.38	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.97	2	39.29	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2350.512	-47.08	2	50.18	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2386.224	-57.42	2	39.84	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.4	2	46.86	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.55	2	39.71	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.82	2	47.44	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.75	2	41.51	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2489.872	-47.49	2	49.77	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.75	2	41.51	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.55	2	46.71	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.43	2	39.83	Average	54	Pass



Shenzhen LCS Compliance Testing Laboratory Ltd.

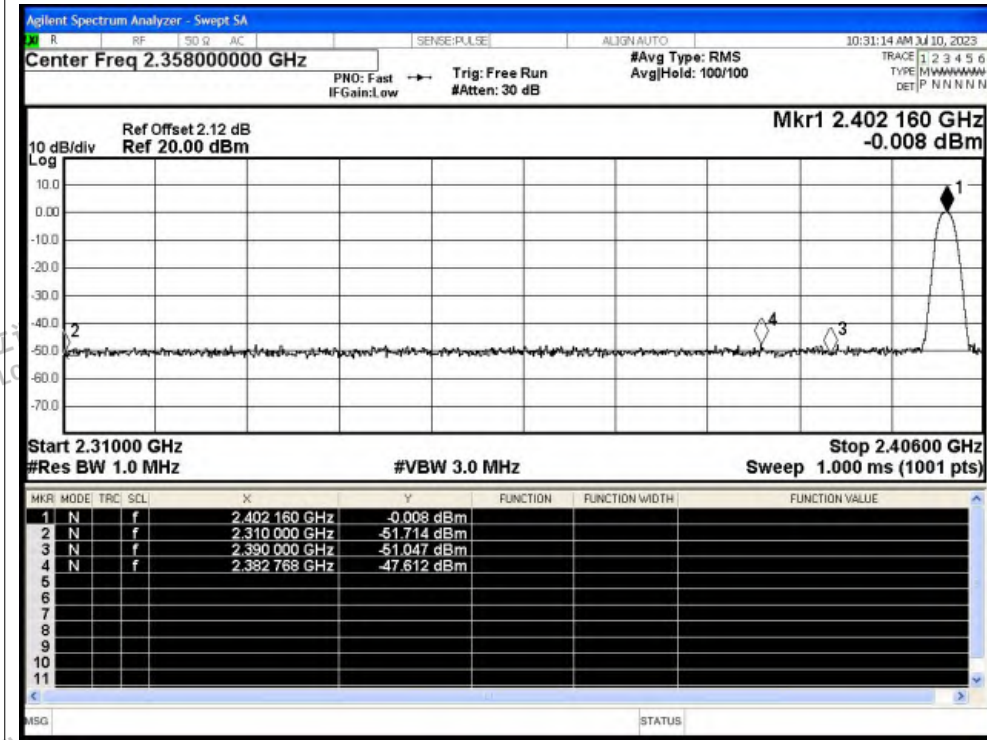
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

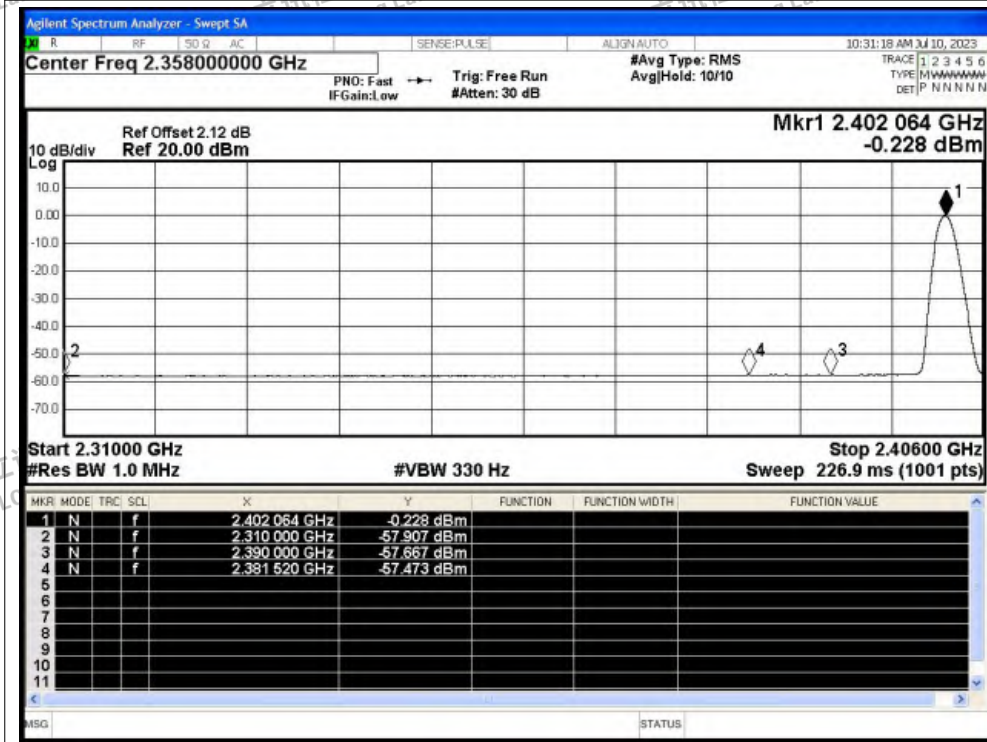
Scan code to check authenticity

Test Graphs

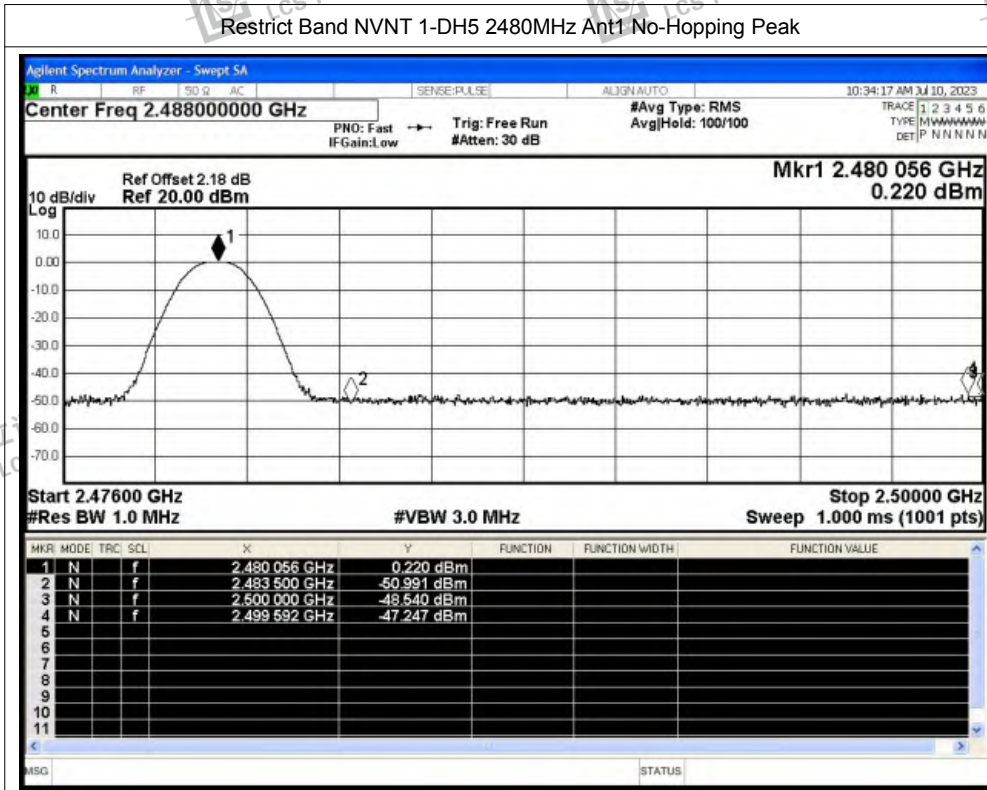
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



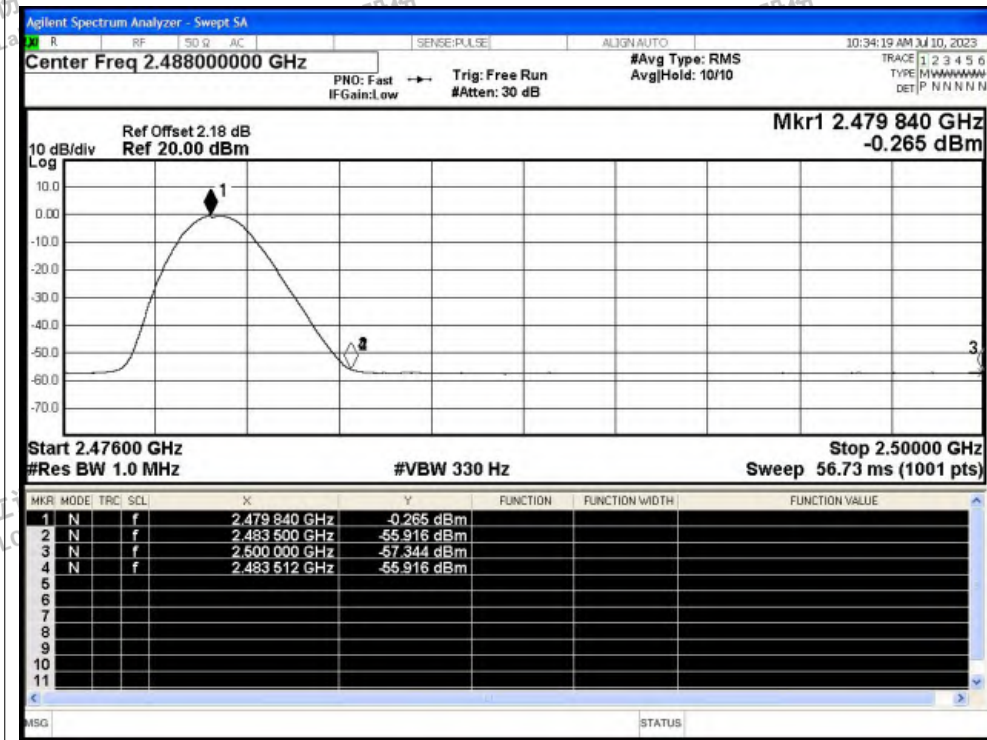
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

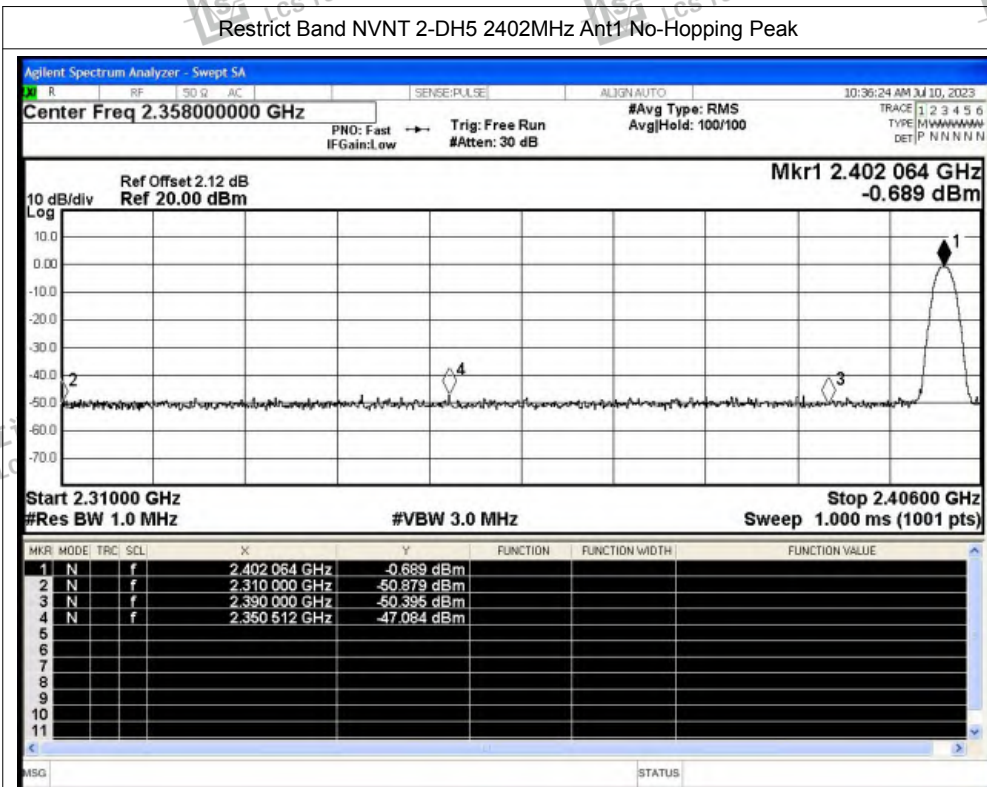


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

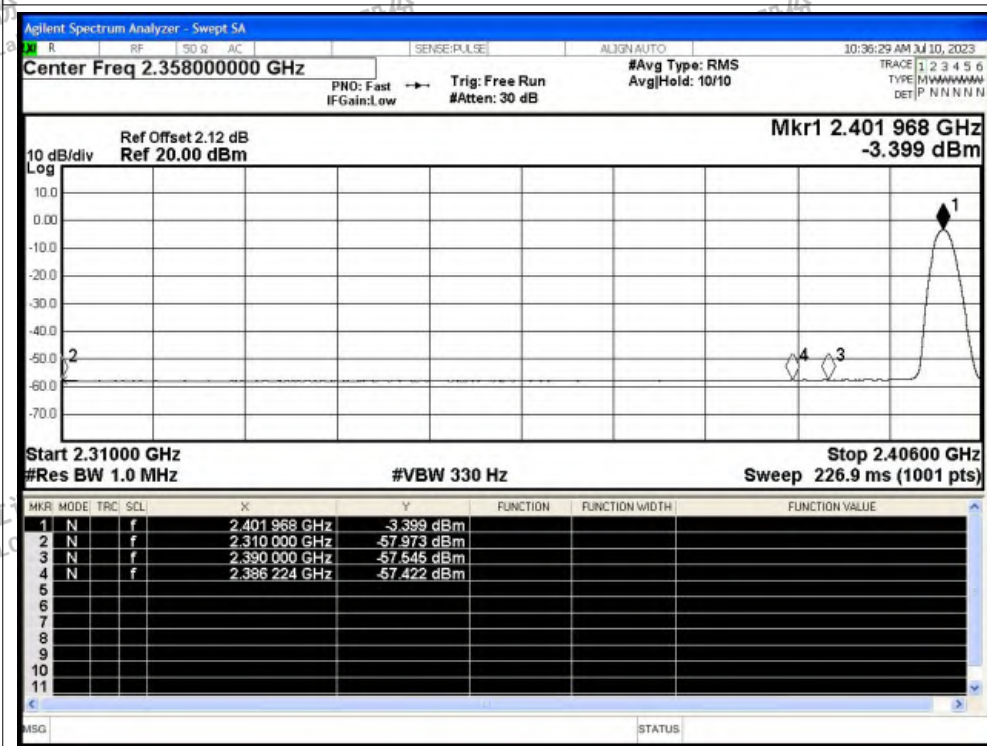




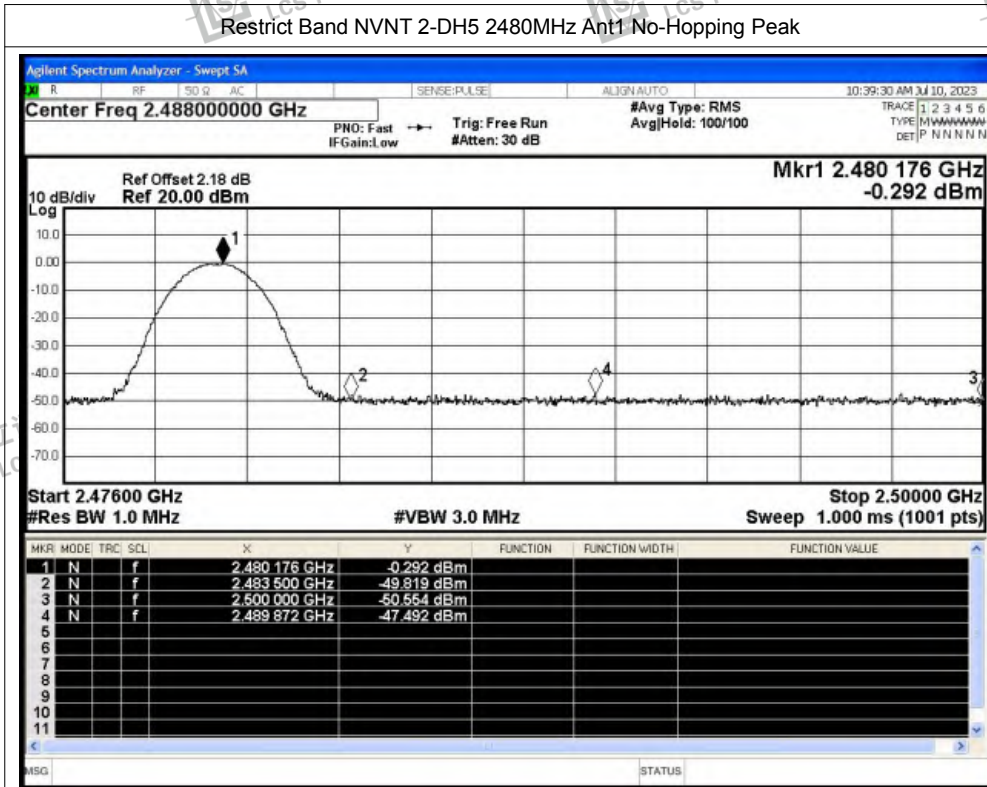
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average

