



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Home Stereo Shelf System

Test Model: PHSKR26

Environmental Conditions

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





A.1 -20dB Bandwidth

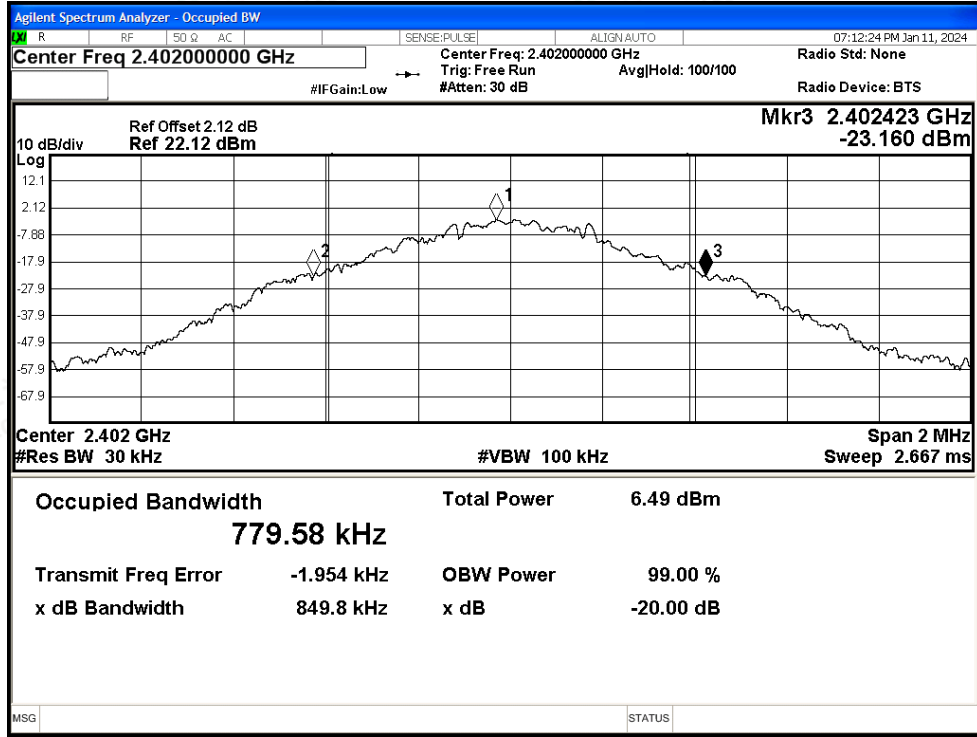
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant	0.85	N/A	Pass
NVNT	1-DH5	2441	Ant	0.847	N/A	Pass
NVNT	1-DH5	2480	Ant	0.837	N/A	Pass
NVNT	2-DH5	2402	Ant	1.284	N/A	Pass
NVNT	2-DH5	2441	Ant	1.265	N/A	Pass
NVNT	2-DH5	2480	Ant	1.26	N/A	Pass
NVNT	3-DH5	2402	Ant	1.308	N/A	Pass
NVNT	3-DH5	2441	Ant	1.291	N/A	Pass
NVNT	3-DH5	2480	Ant	1.291	N/A	Pass



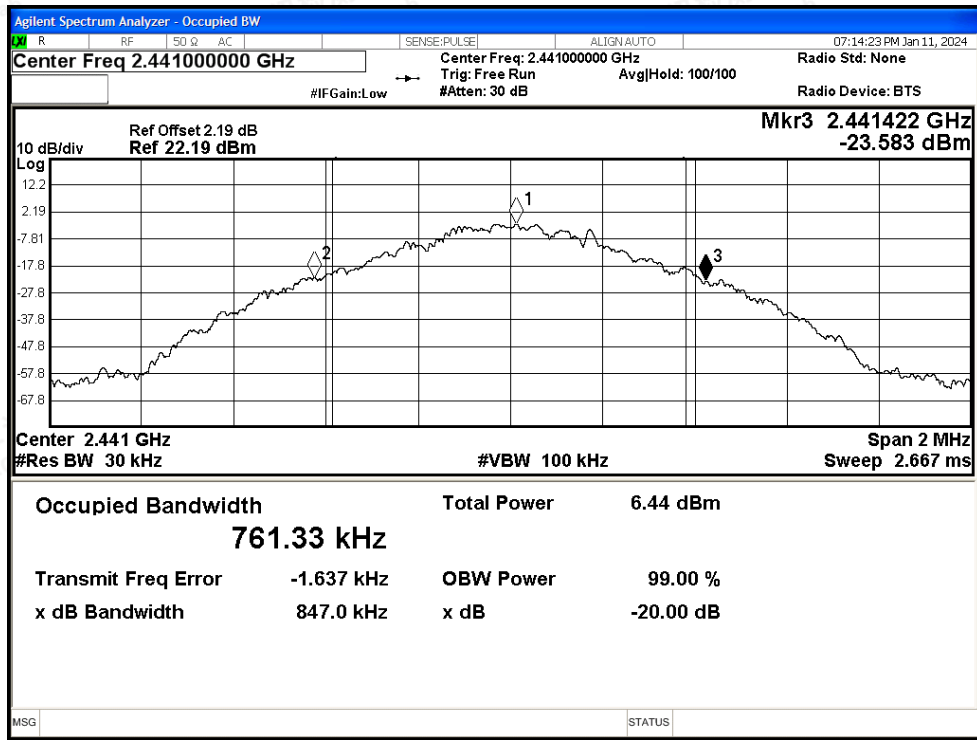


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant

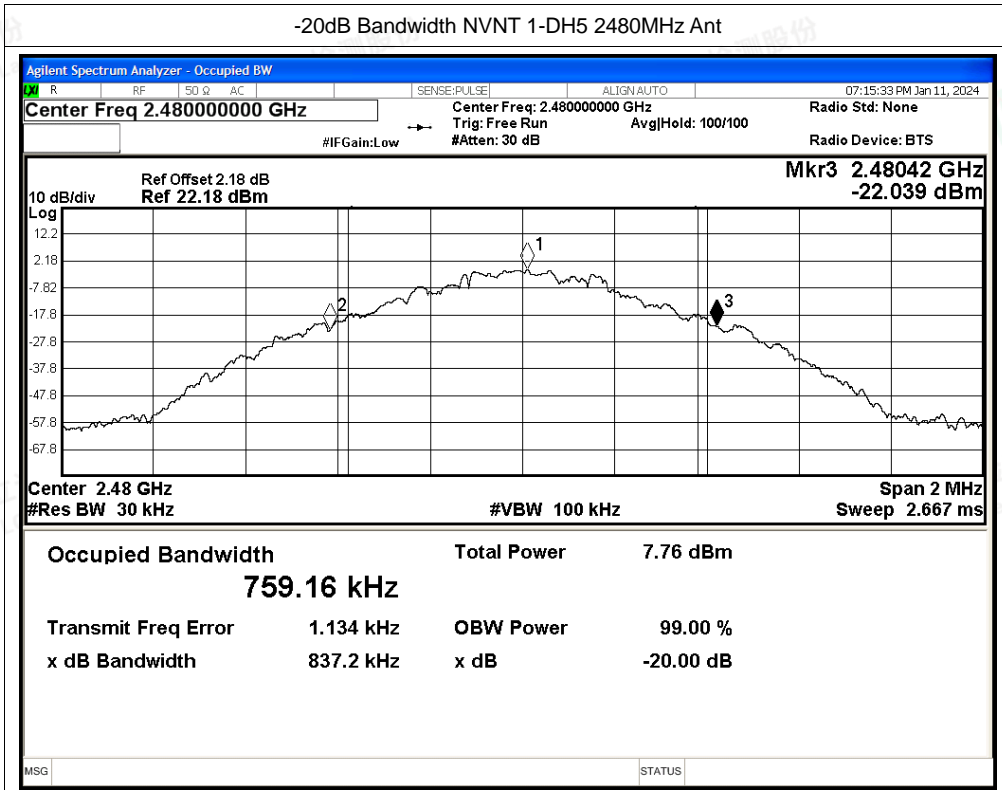


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant

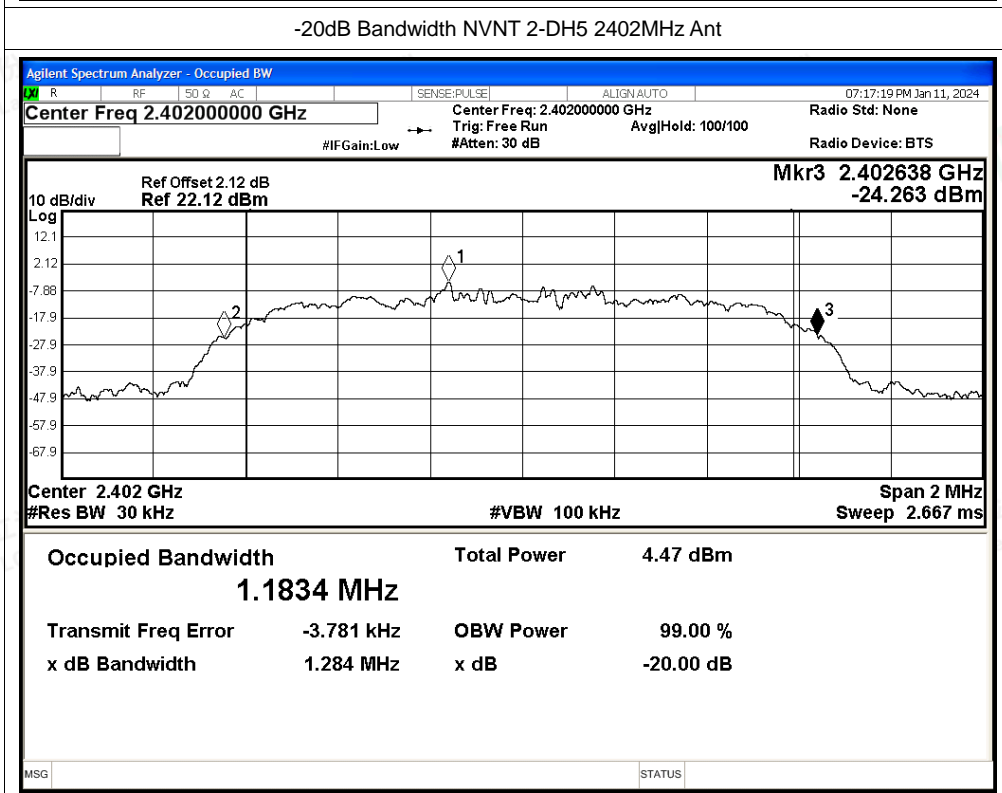




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant

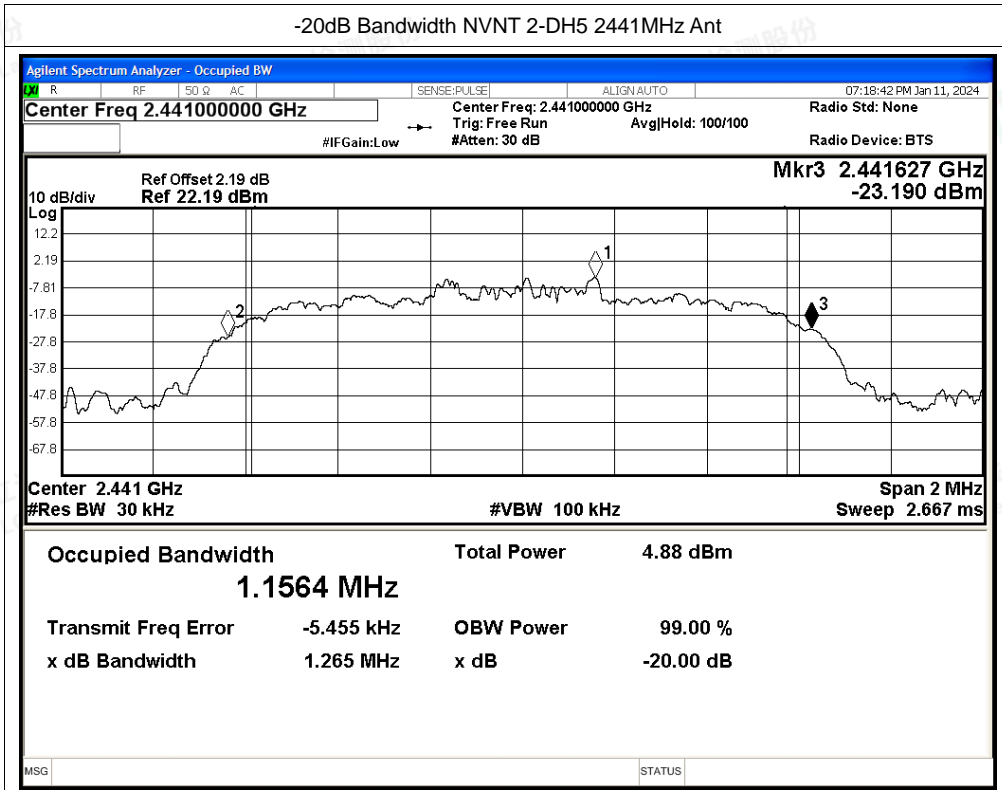


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant

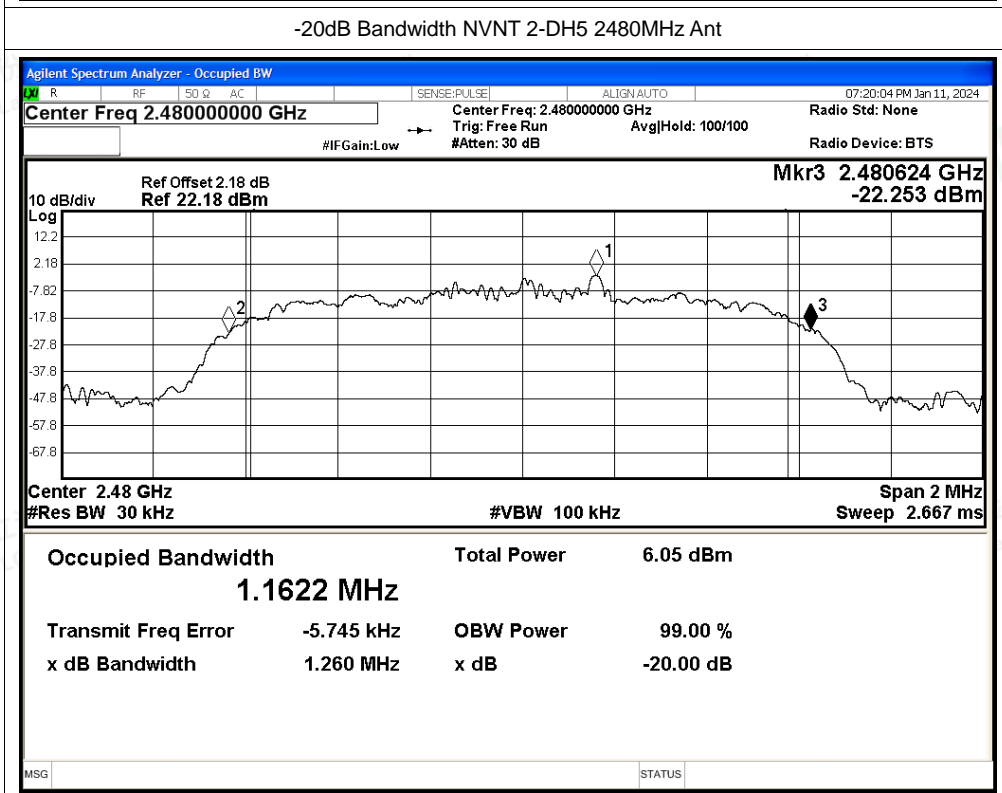




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant

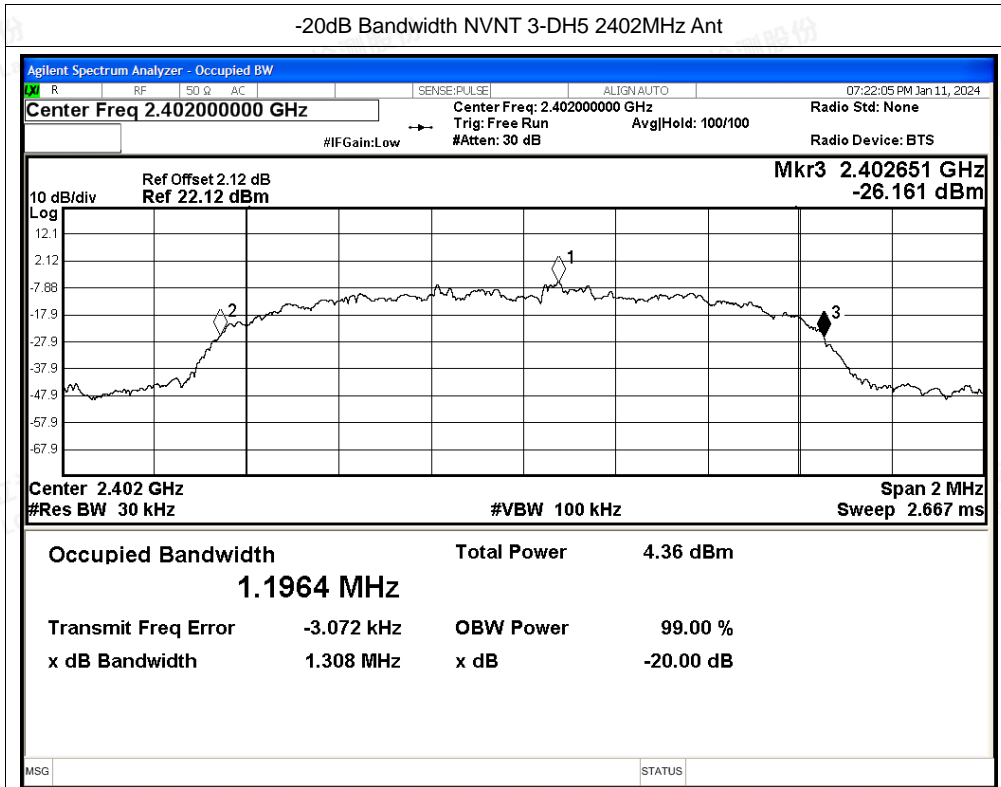


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant

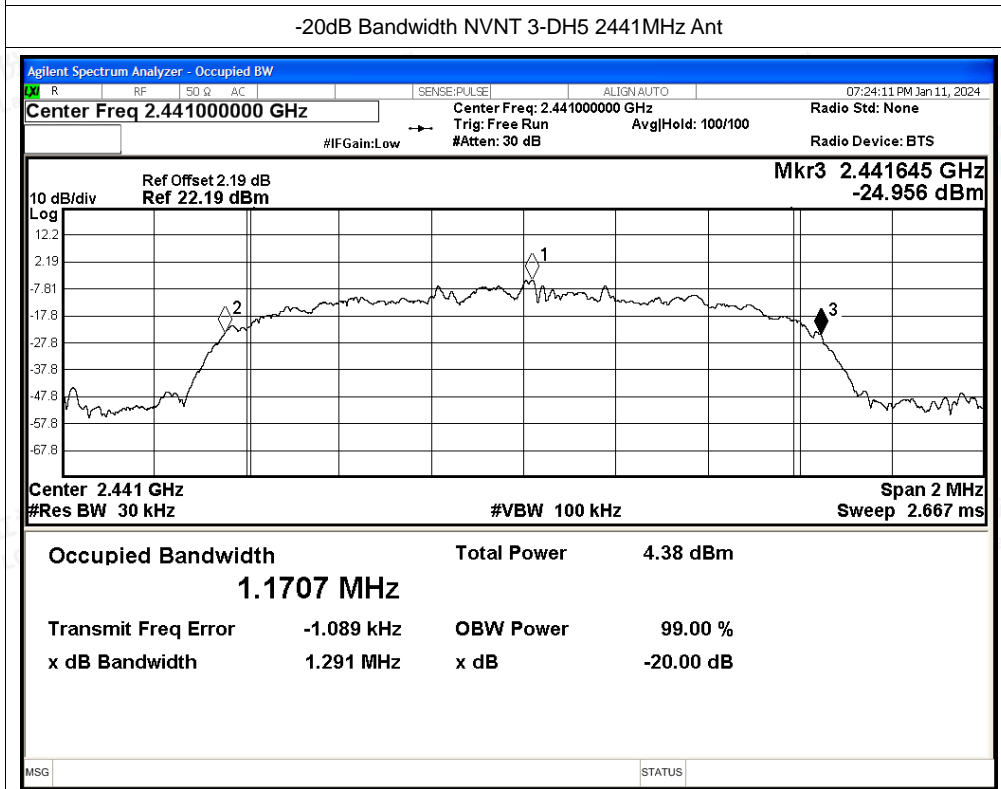


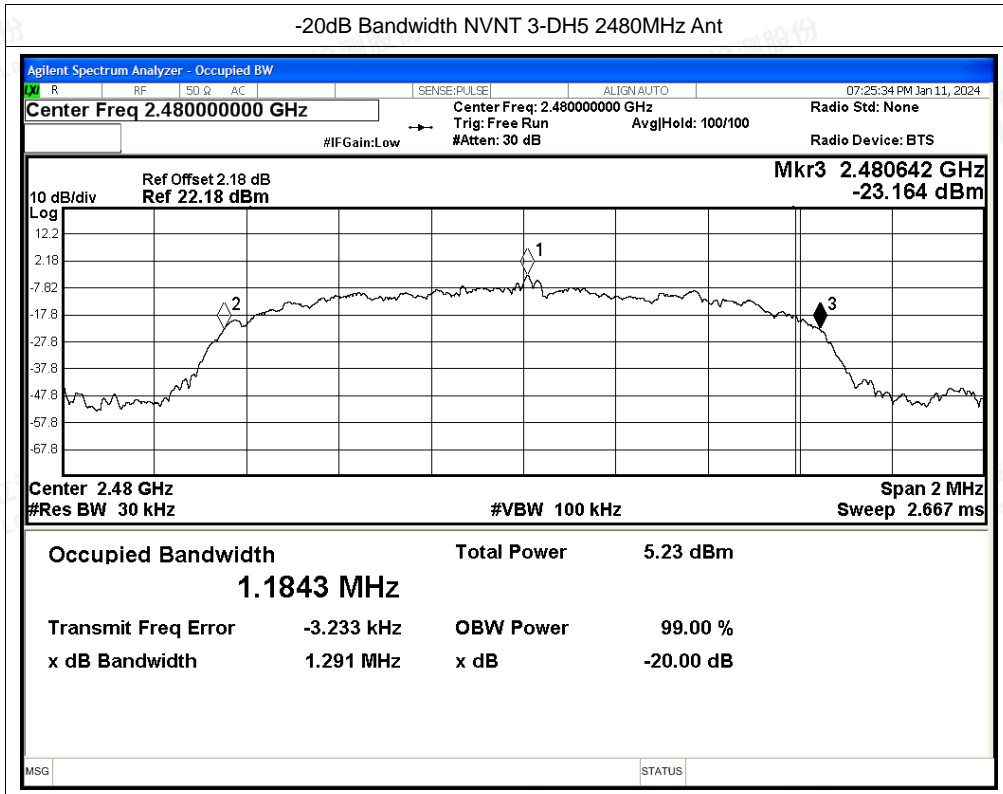


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant







A.2 Maximum Conducted Output Power

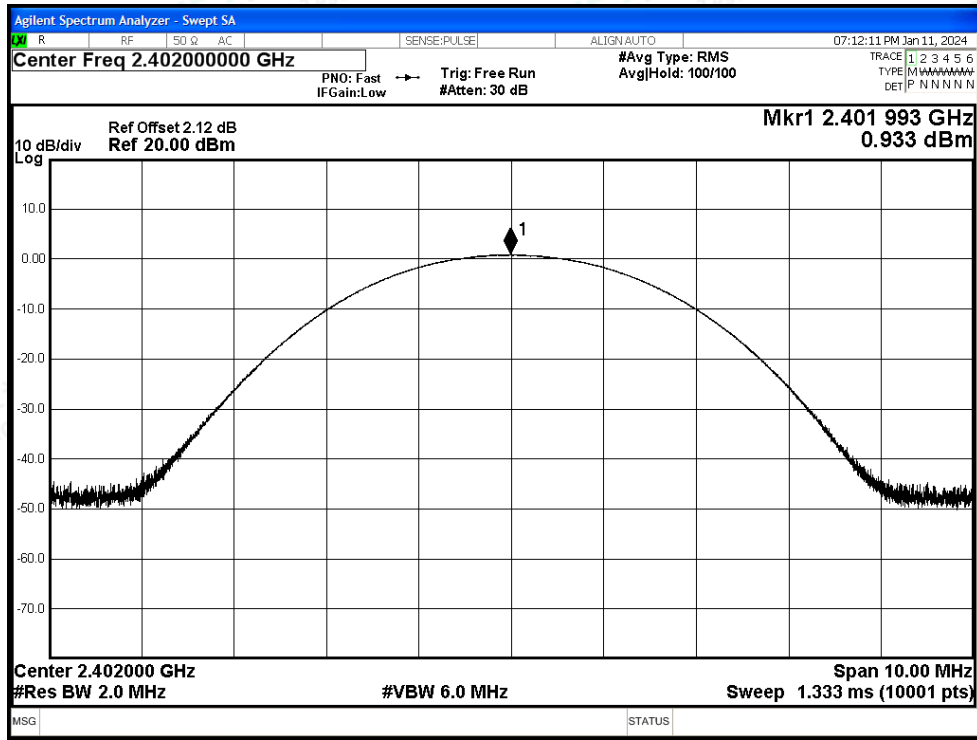
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant	0.93	21	Pass
NVNT	1-DH5	2441	Ant	0.53	21	Pass
NVNT	1-DH5	2480	Ant	1.81	21	Pass
NVNT	2-DH5	2402	Ant	0.26	21	Pass
NVNT	2-DH5	2441	Ant	-0.2	21	Pass
NVNT	2-DH5	2480	Ant	1.12	21	Pass
NVNT	3-DH5	2402	Ant	0.3	21	Pass
NVNT	3-DH5	2441	Ant	-0.16	21	Pass
NVNT	3-DH5	2480	Ant	1.11	21	Pass



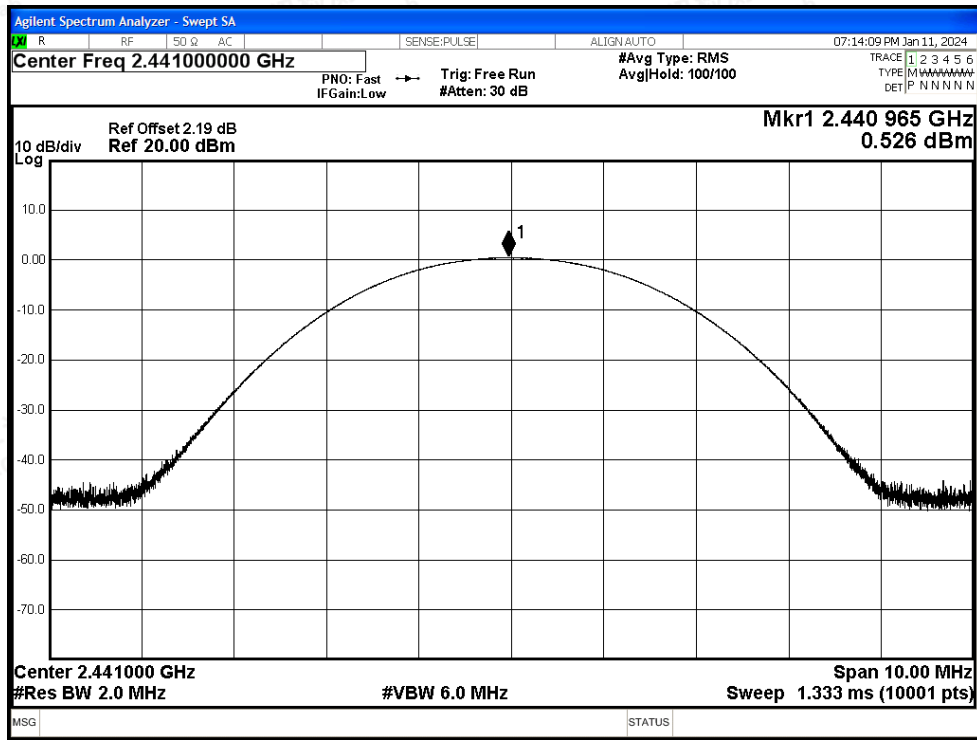


Test Graphs

Power NVNT 1-DH5 2402MHz Ant

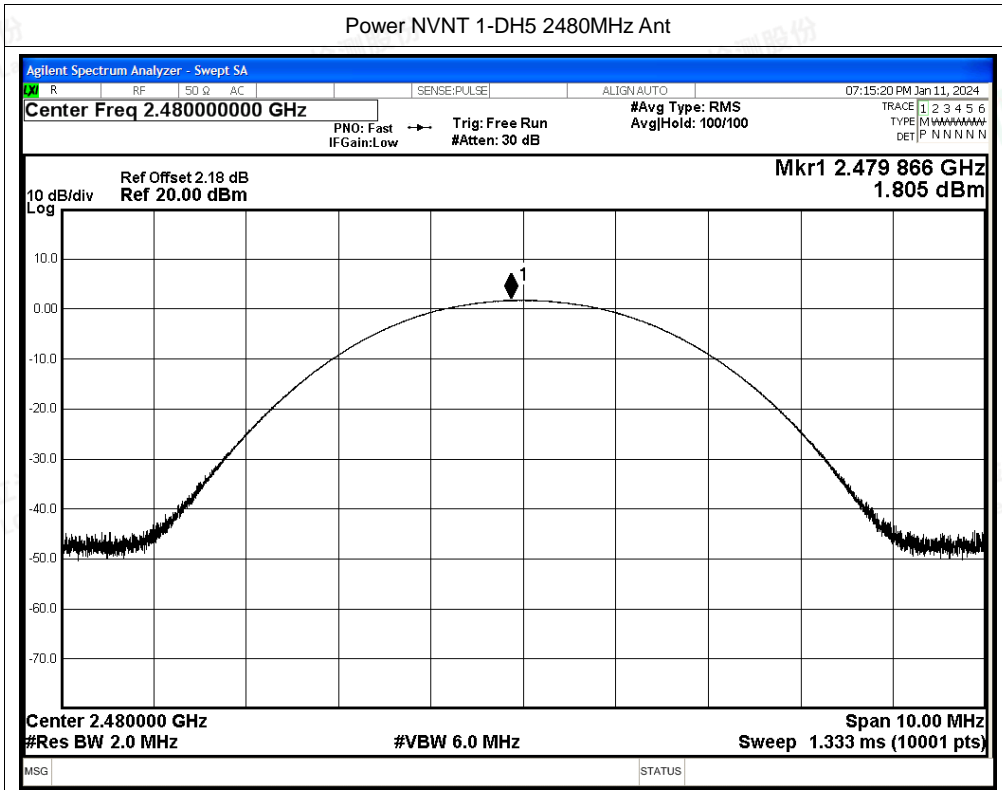


Power NVNT 1-DH5 2441MHz Ant

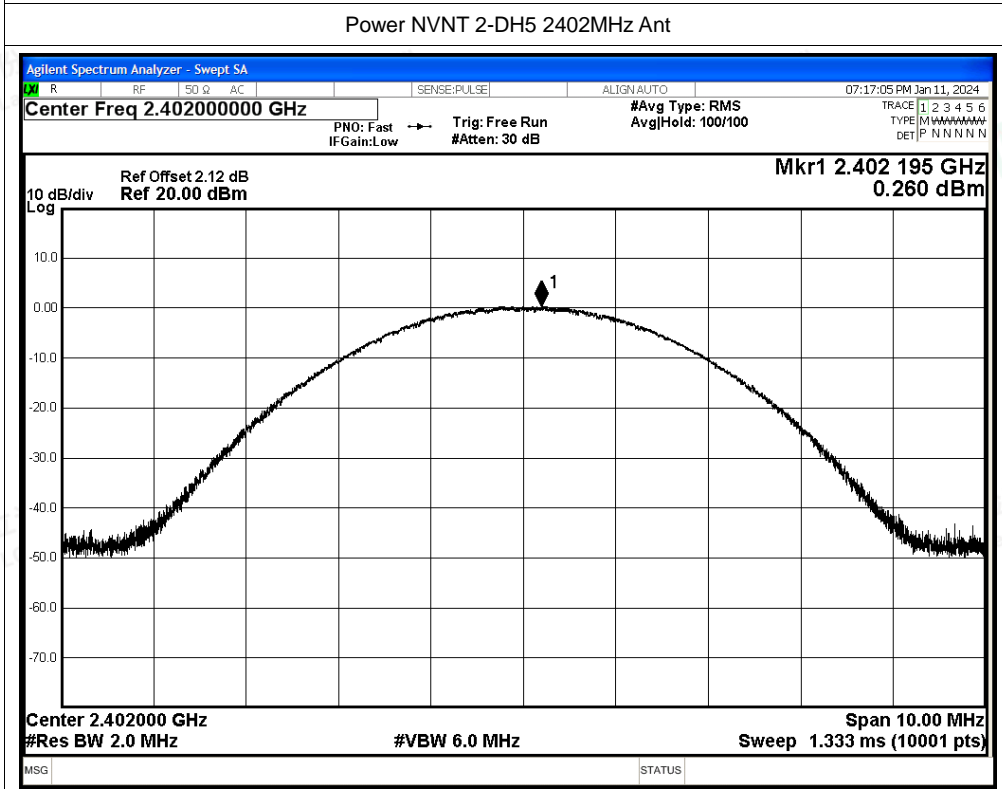




Power NVNT 1-DH5 2480MHz Ant

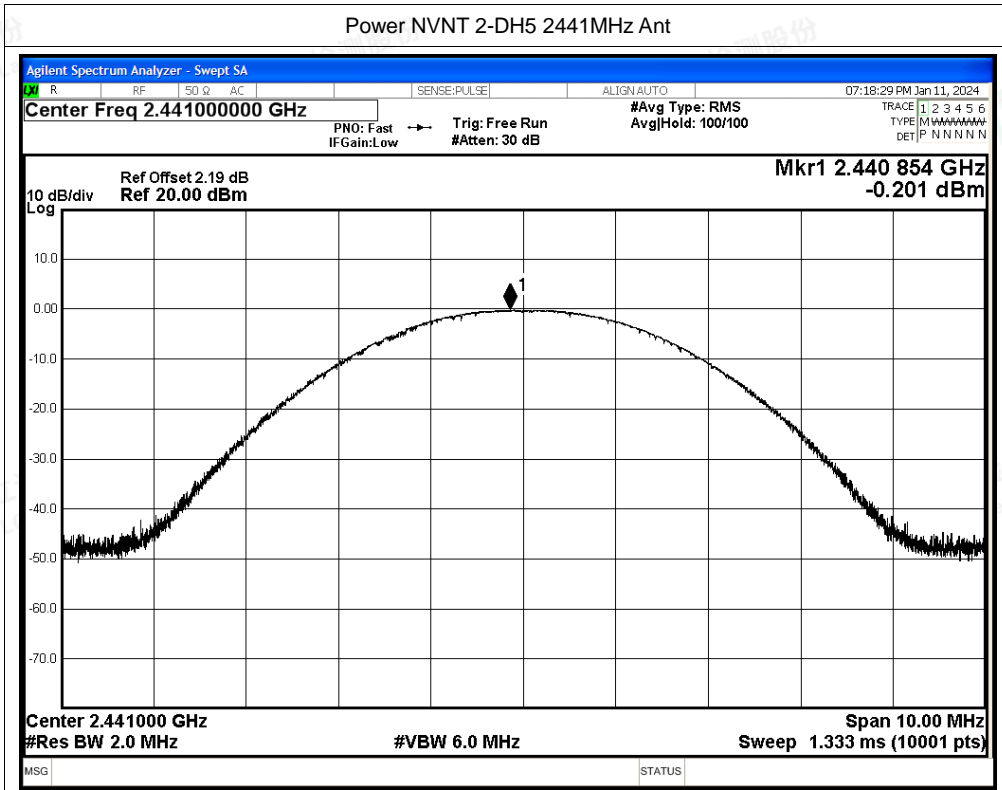


Power NVNT 2-DH5 2402MHz Ant

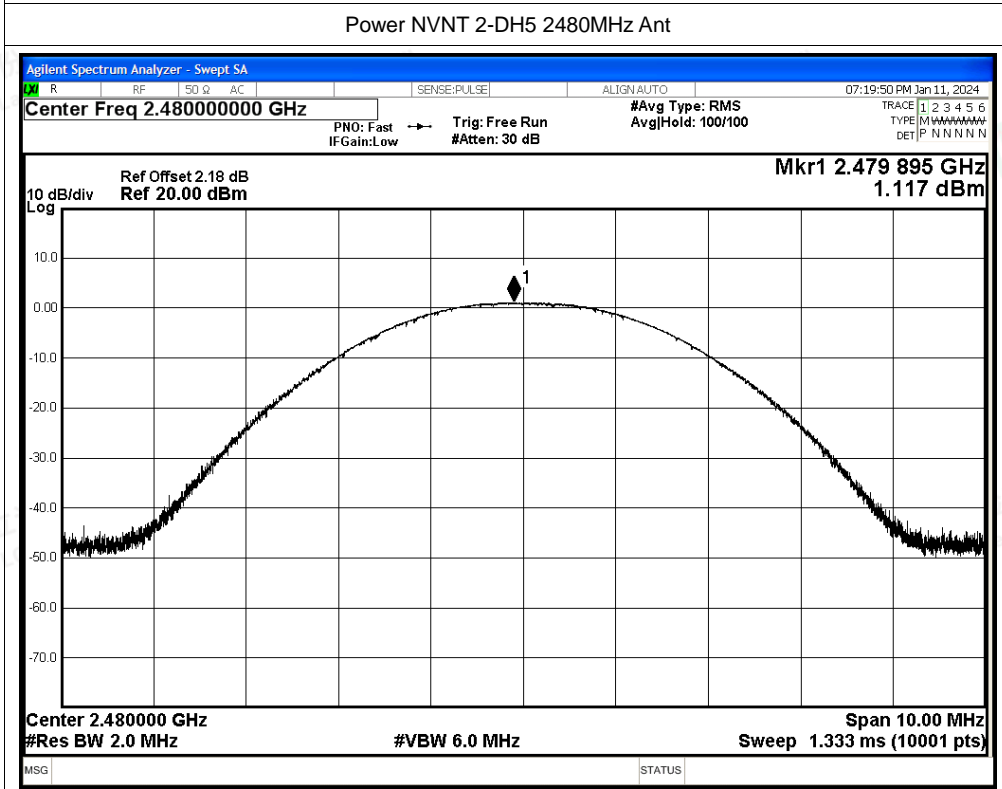




Power NVNT 2-DH5 2441MHz Ant

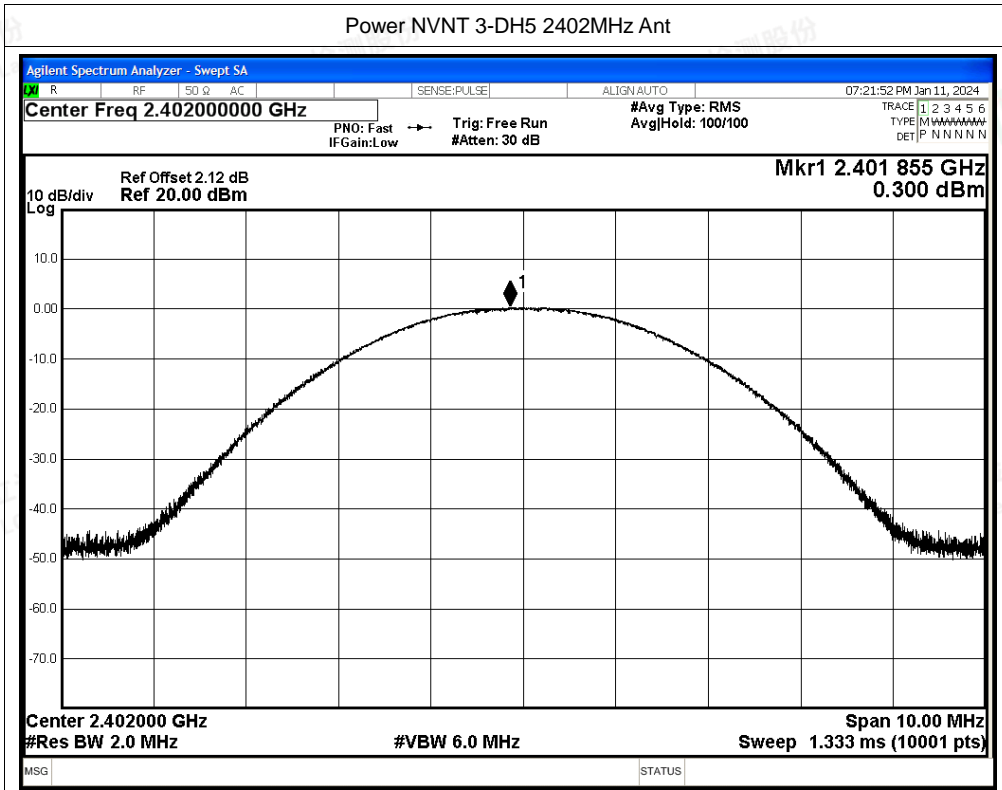


Power NVNT 2-DH5 2480MHz Ant

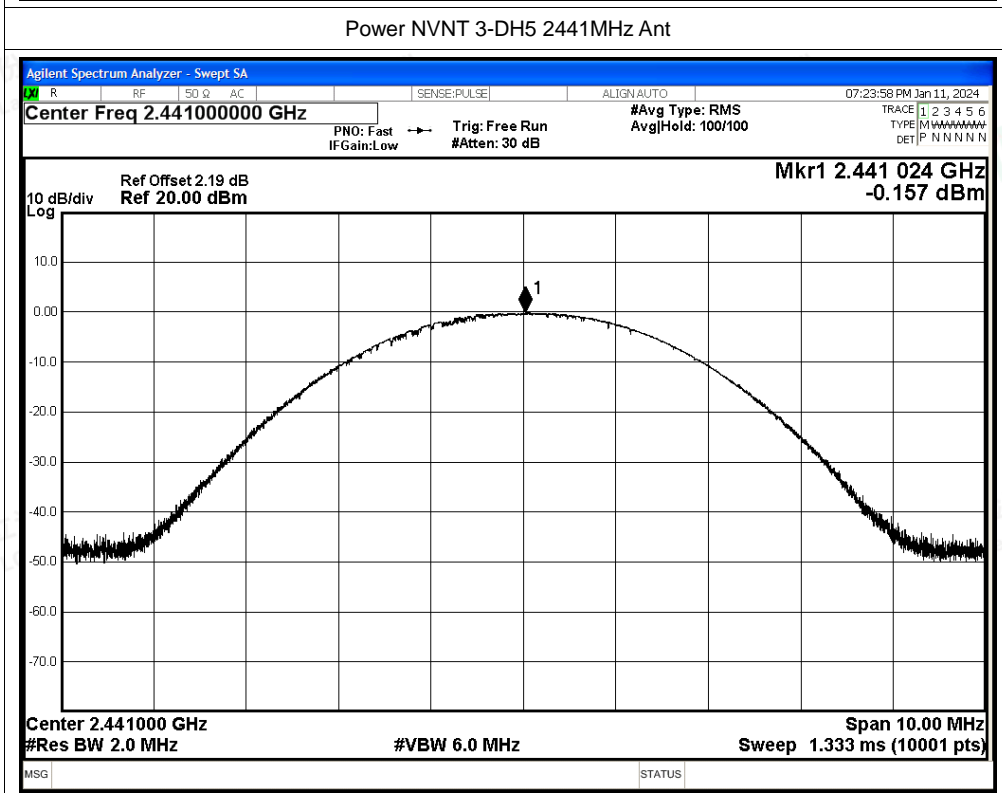


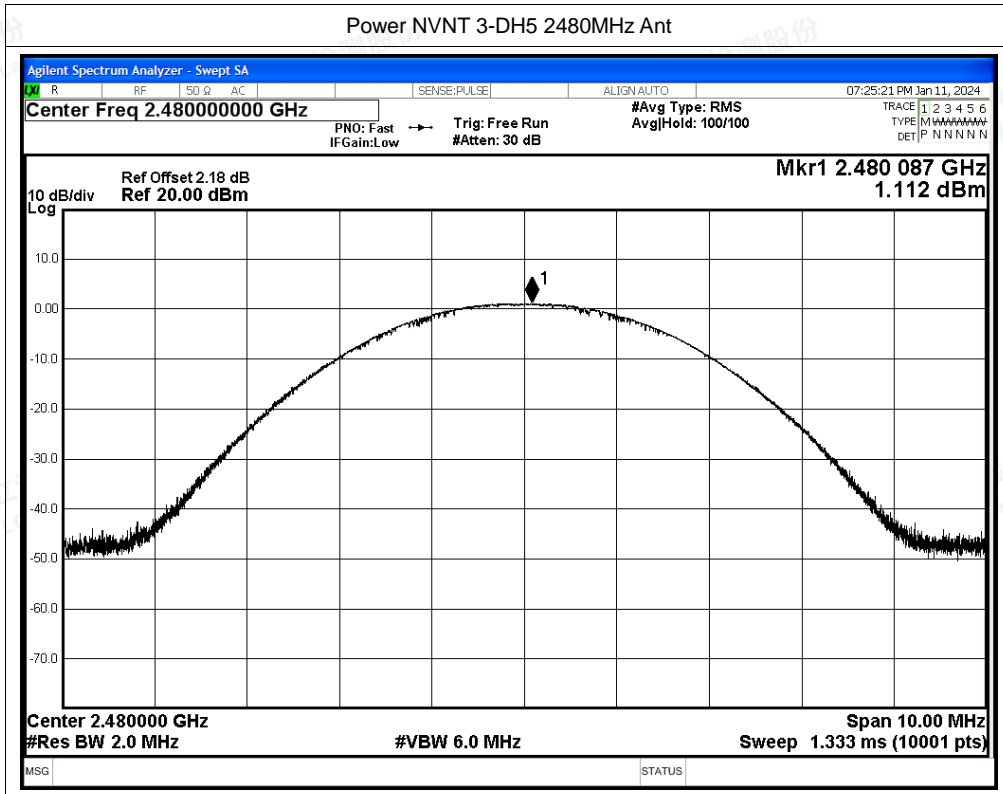


Power NVNT 3-DH5 2402MHz Ant



Power NVNT 3-DH5 2441MHz Ant







A.3 Carrier Frequencies Separation

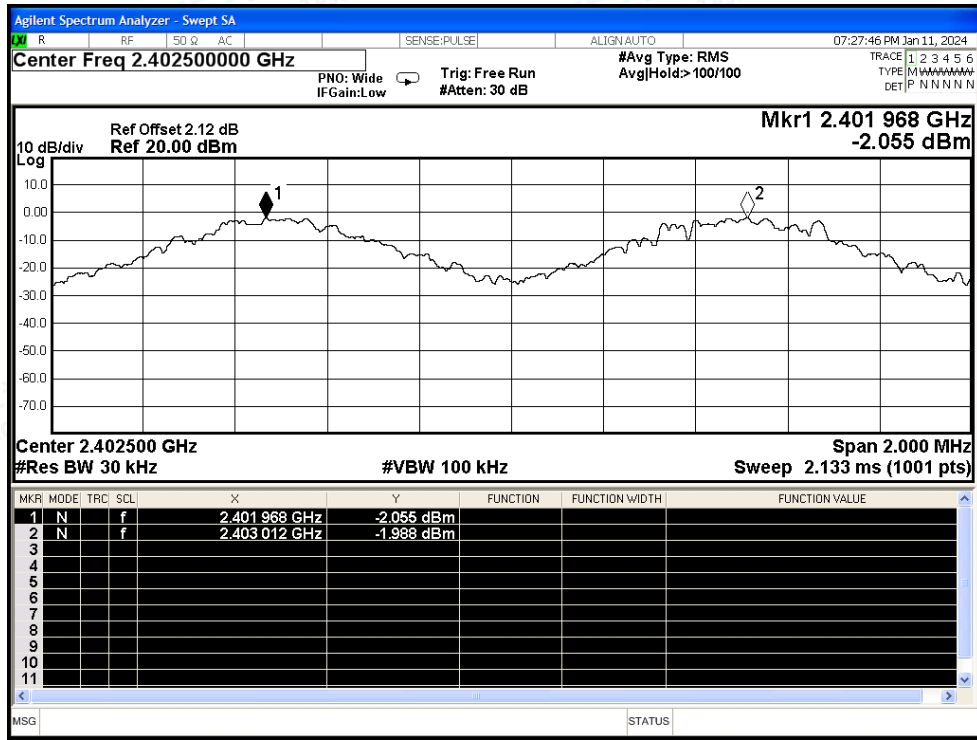
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant	2401.968	2403.012	1.044	0.567	Pass
NVNT	2-DH5	Ant	2402.01	2403.02	1.01	0.856	Pass
NVNT	3-DH5	Ant	2402.162	2403.158	0.996	0.872	Pass



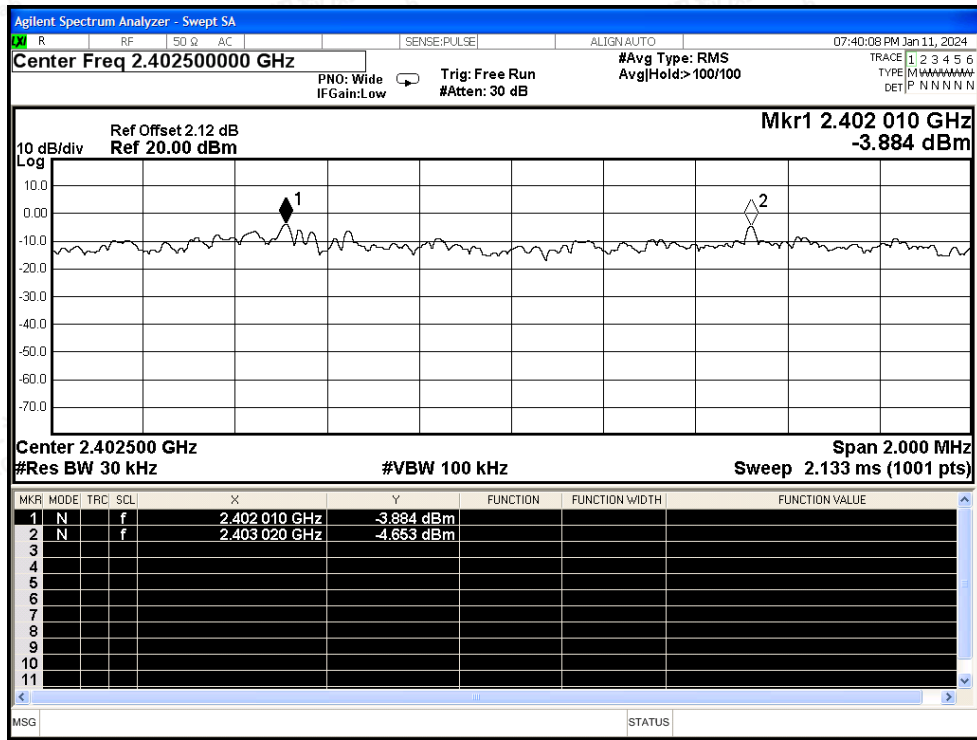


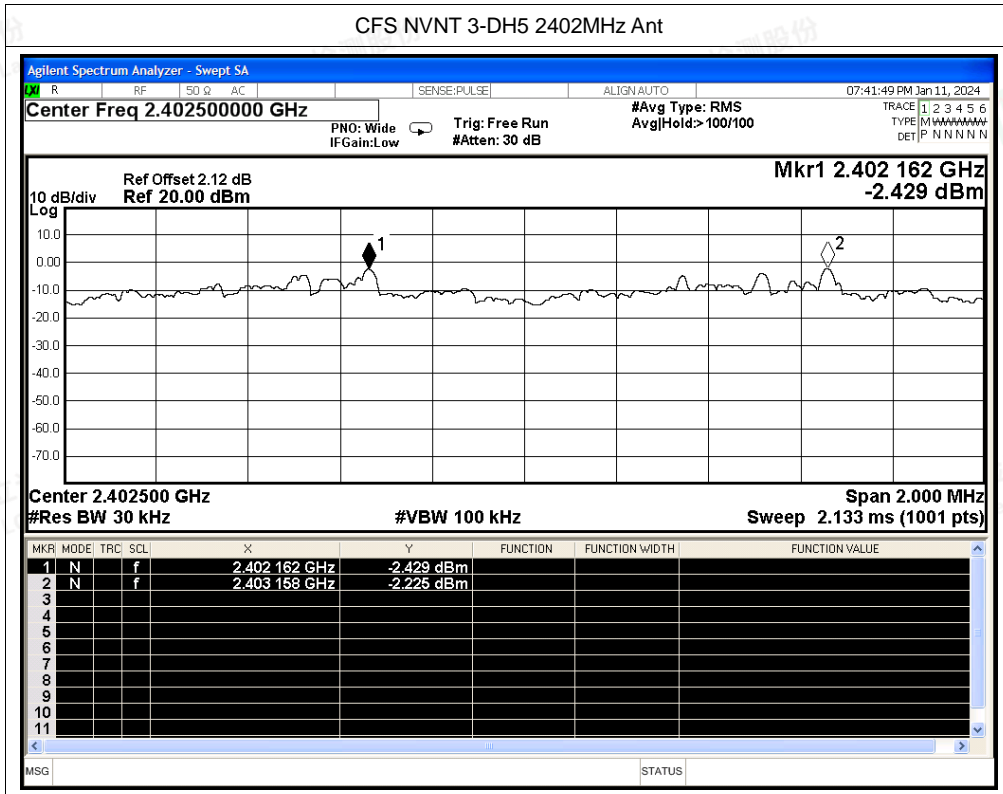
Test Graphs

CFS NVNT 1-DH5 2402MHz Ant



CFS NVNT 2-DH5 2402MHz Ant







A.4 Dwell Time

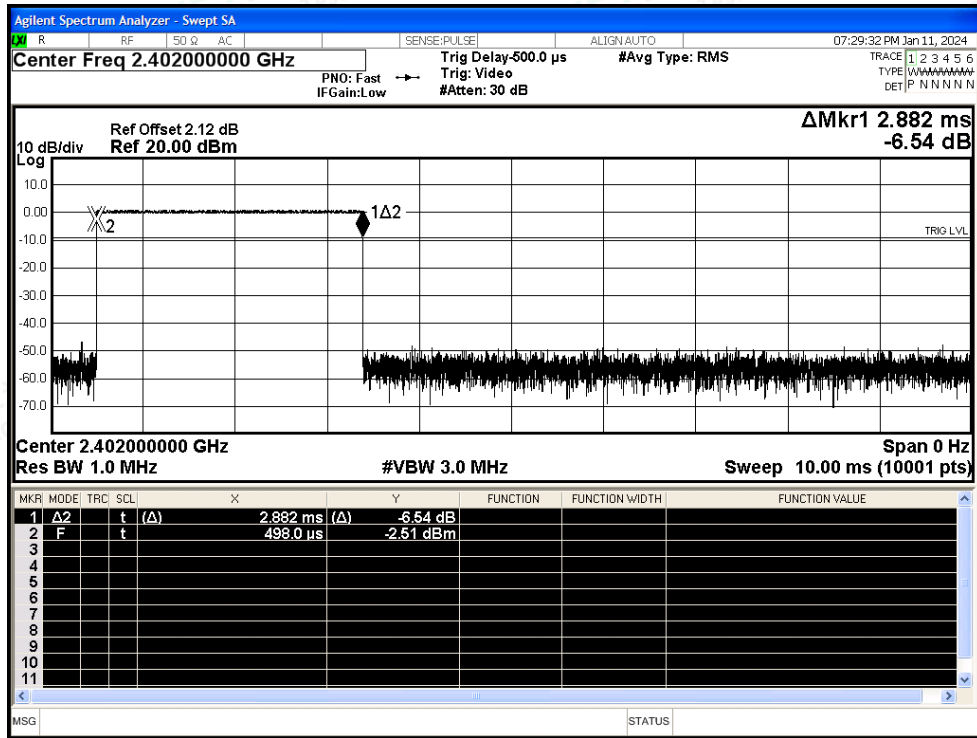
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant	2.882	319.902	111	31600	400	Pass
NVNT	2-DH5	2402	Ant	2.882	317.02	110	31600	400	Pass
NVNT	3-DH5	2402	Ant	2.886	294.372	102	31600	400	Pass



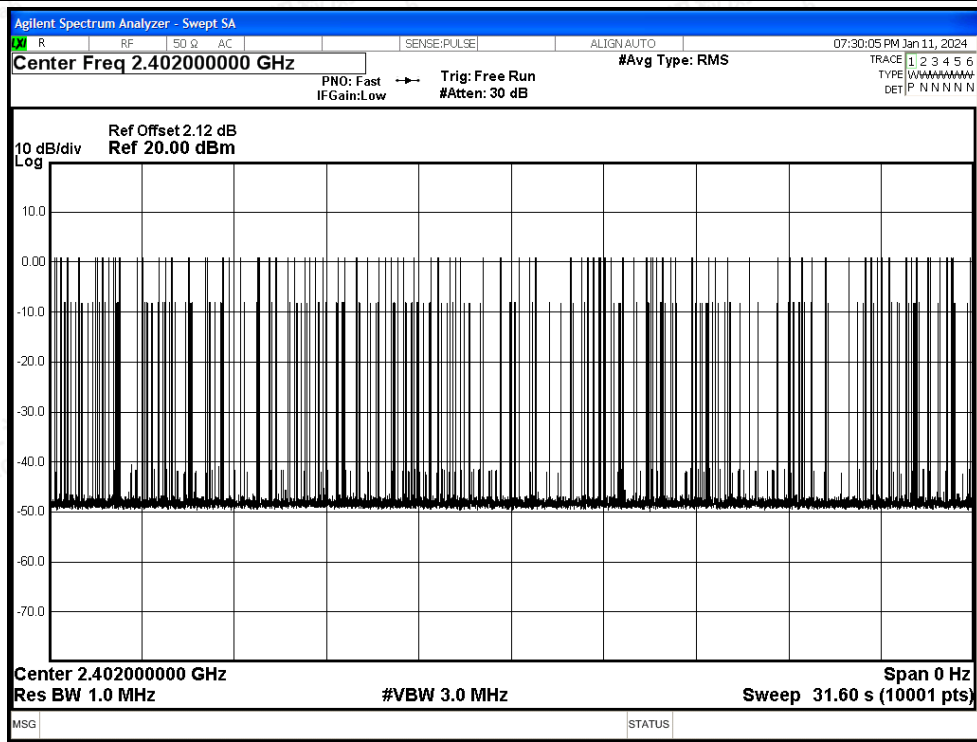


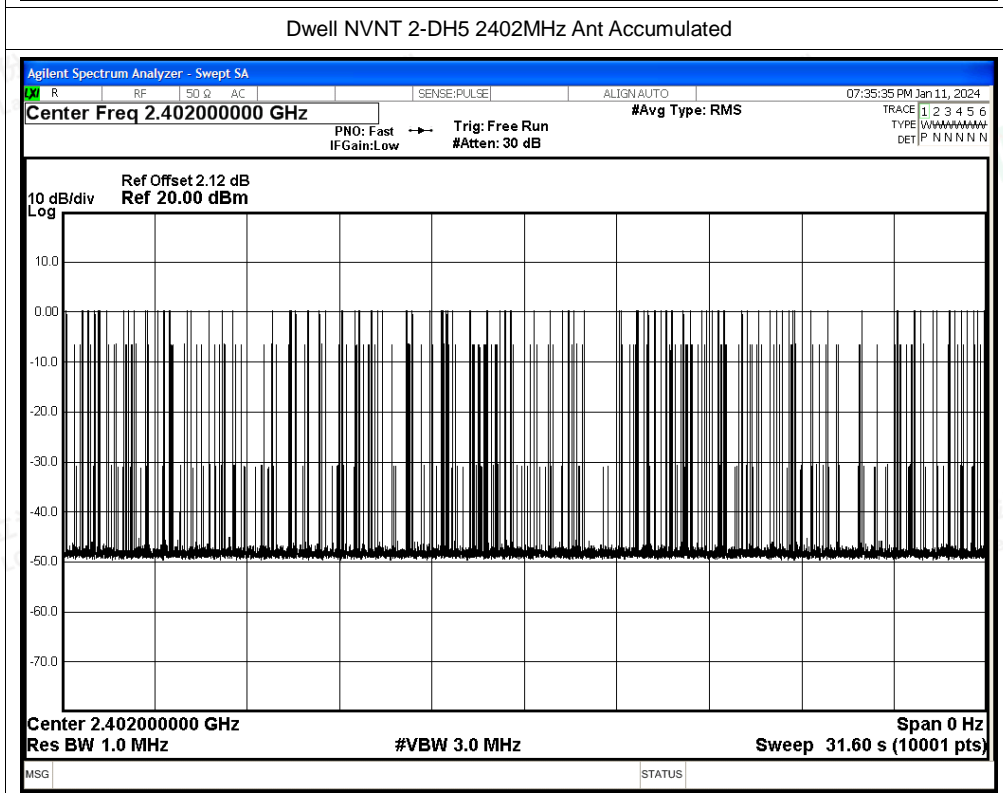
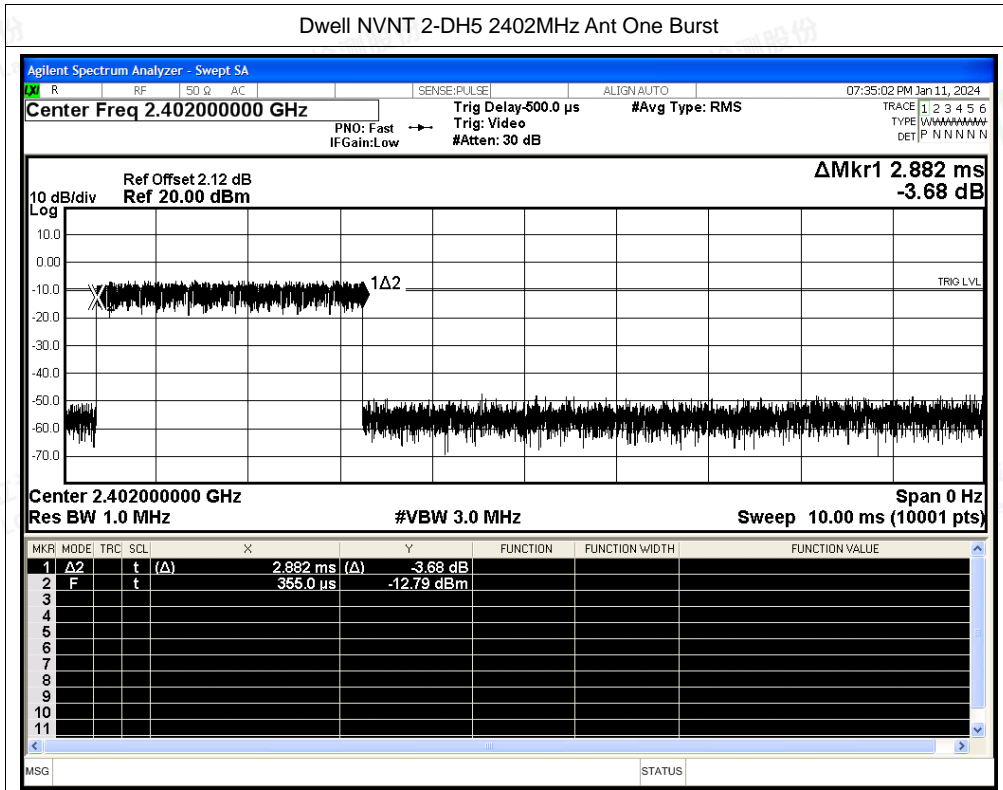
Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant One Burst



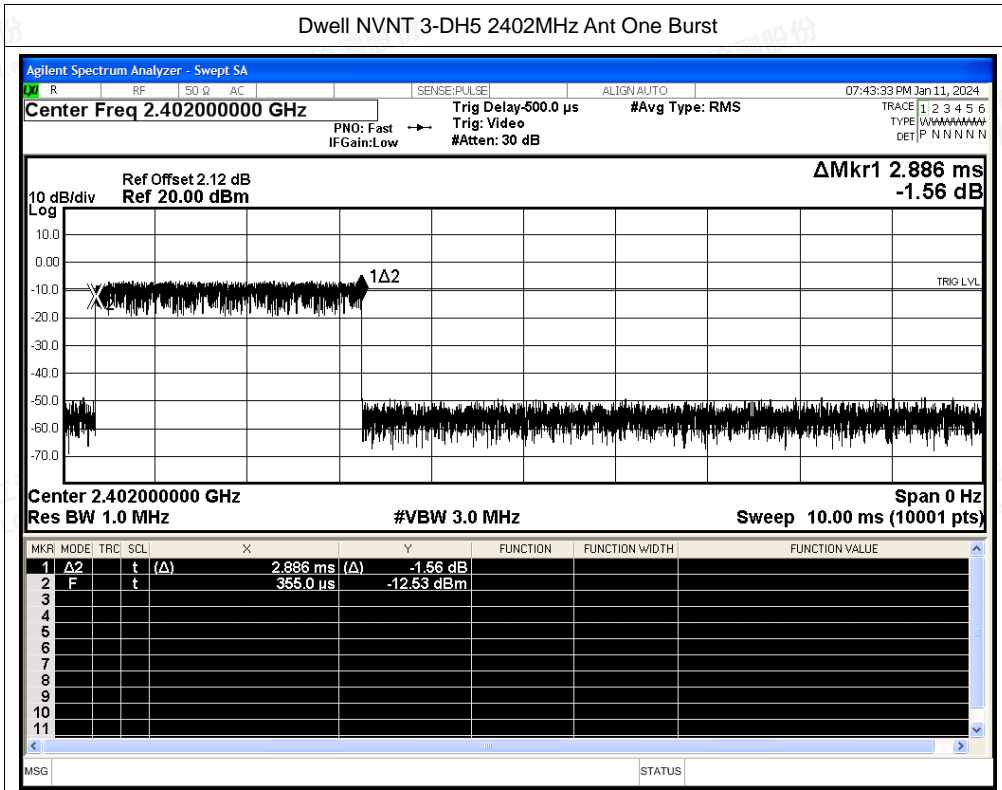
Dwell NVNT 1-DH5 2402MHz Ant Accumulated



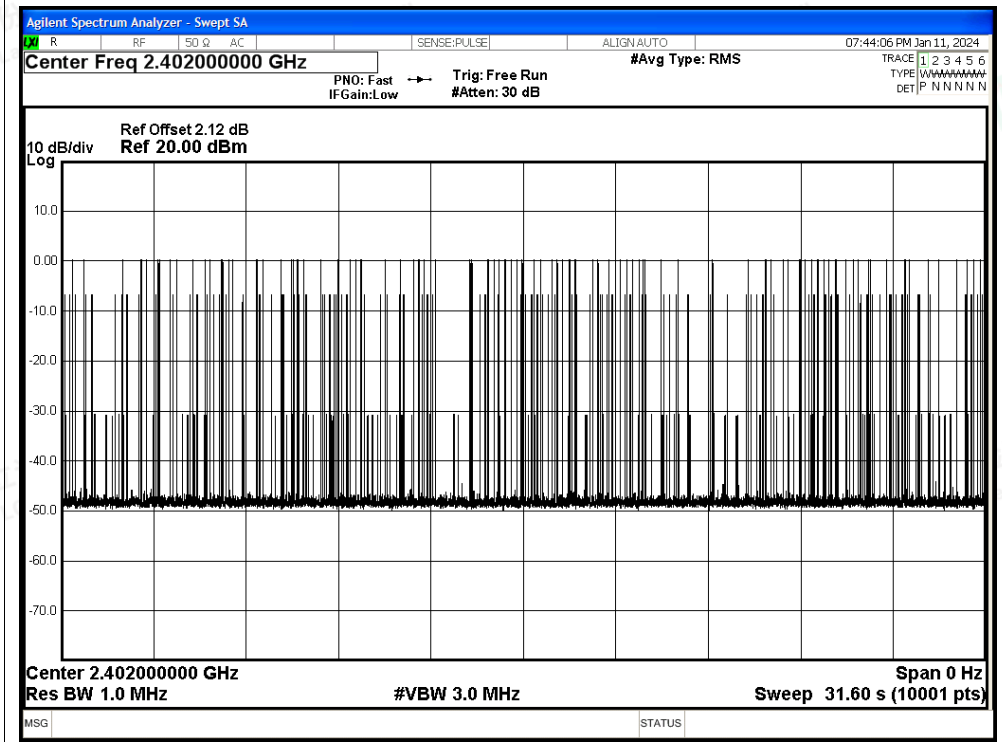




Dwell NVNT 3-DH5 2402MHz Ant One Burst



Dwell NVNT 3-DH5 2402MHz Ant Accumulated





A.5 Number of Hopping Channel

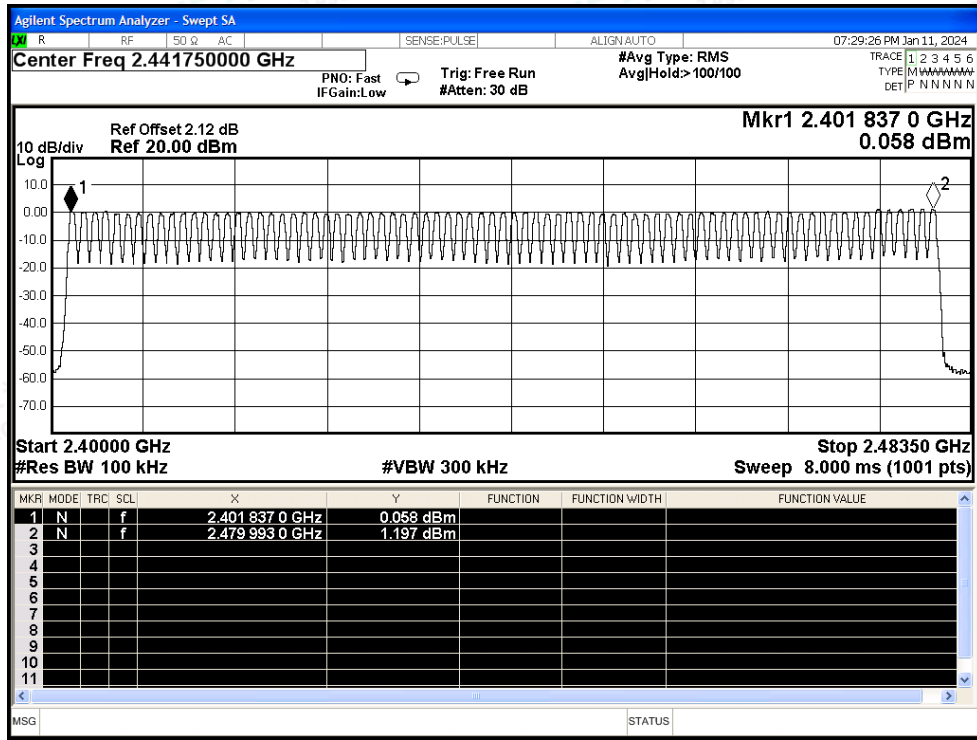
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant	79	15	Pass
NVNT	2-DH5	Ant	79	15	Pass
NVNT	3-DH5	Ant	79	15	Pass



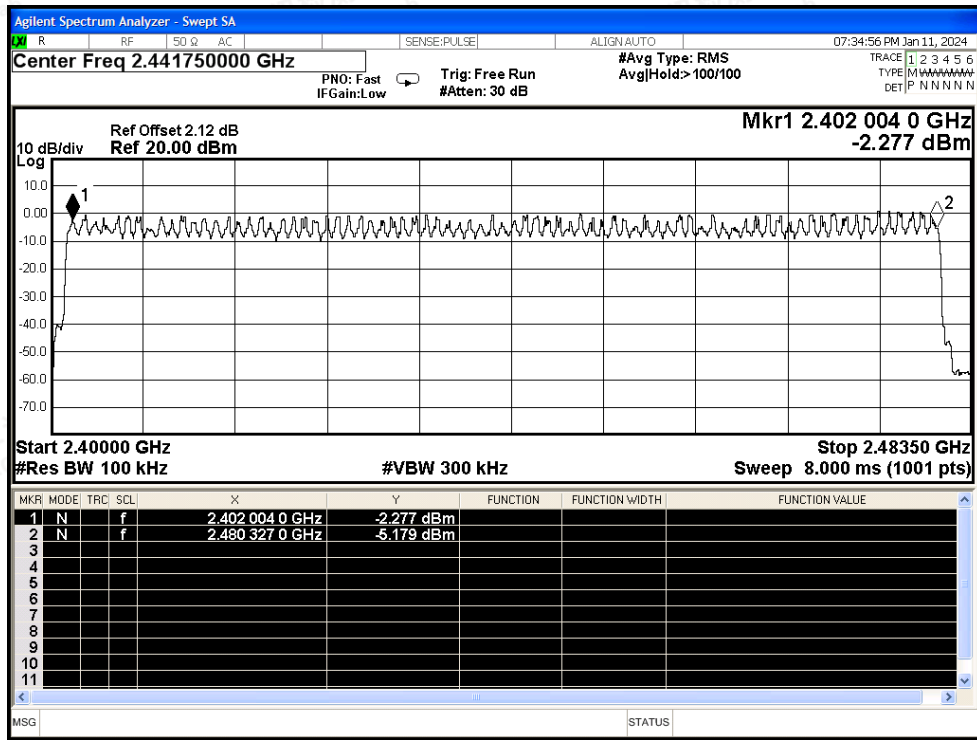


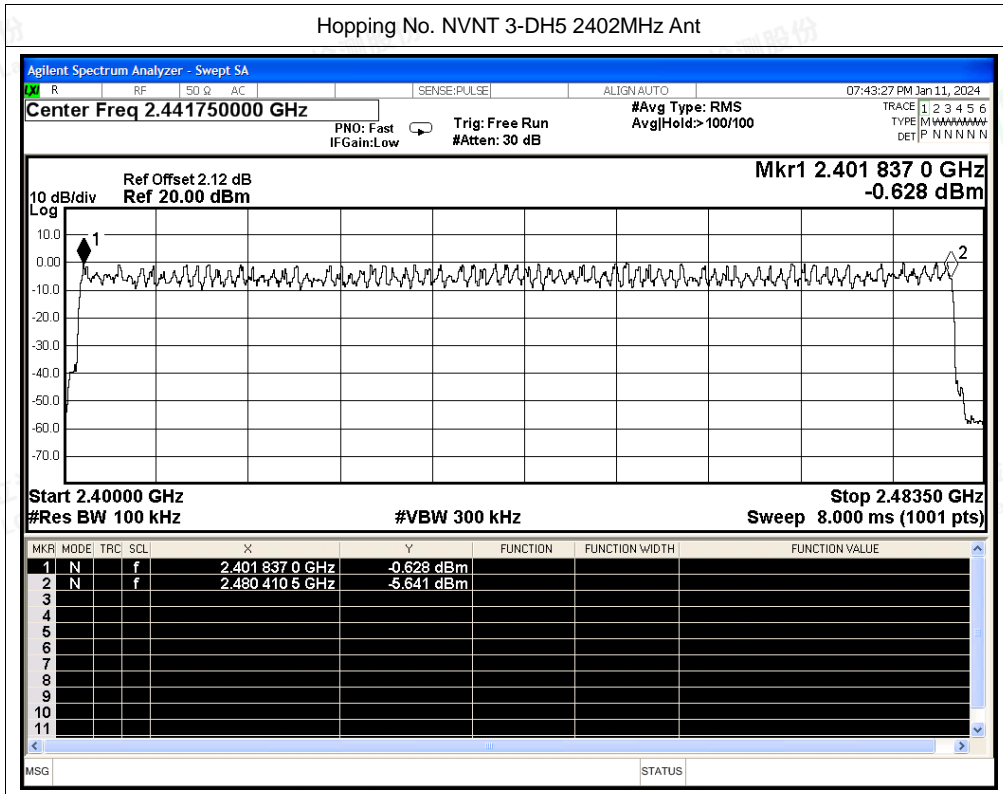
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant



Hopping No. NVNT 2-DH5 2402MHz Ant







A.6 Band Edge

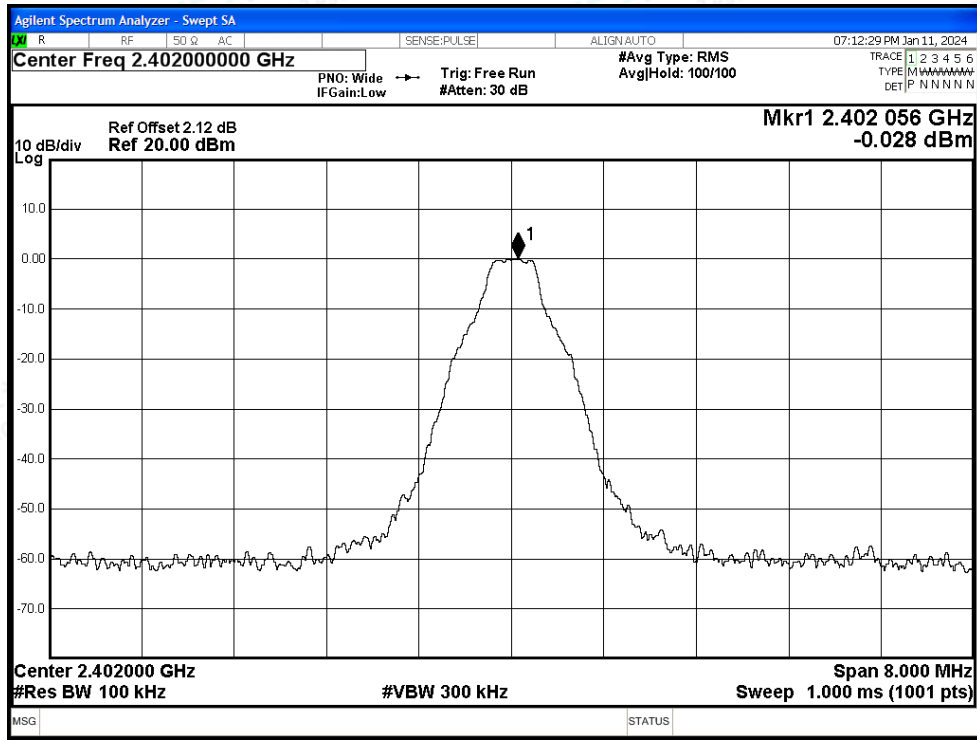
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant	No-Hopping	-56.69	-20	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	-58.07	-20	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	-54.05	-20	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	-52.97	-20	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	-52.95	-20	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	-54.75	-20	Pass



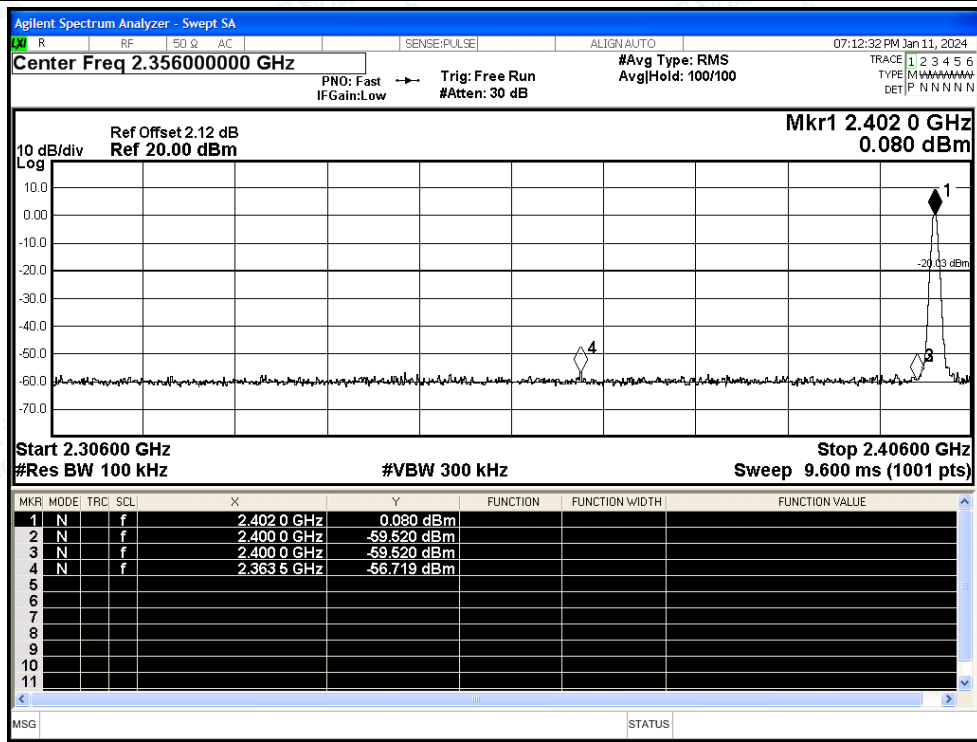


Test Graphs

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

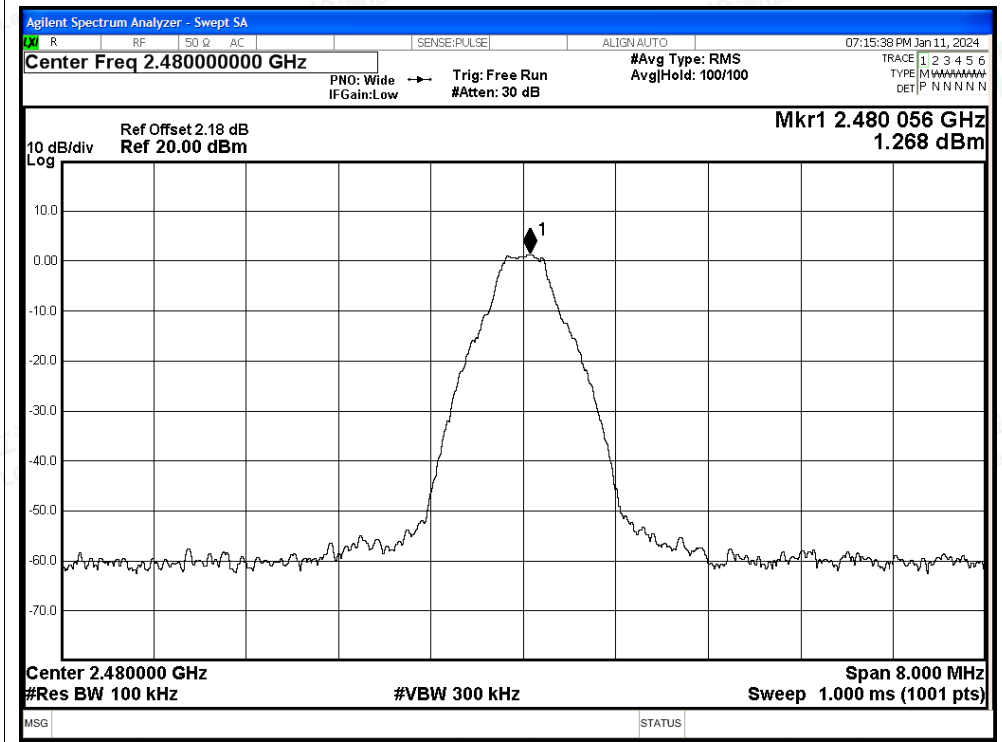


Band Edge NVNT 1-DH5 2402MHz Ant No-Hopping Emission

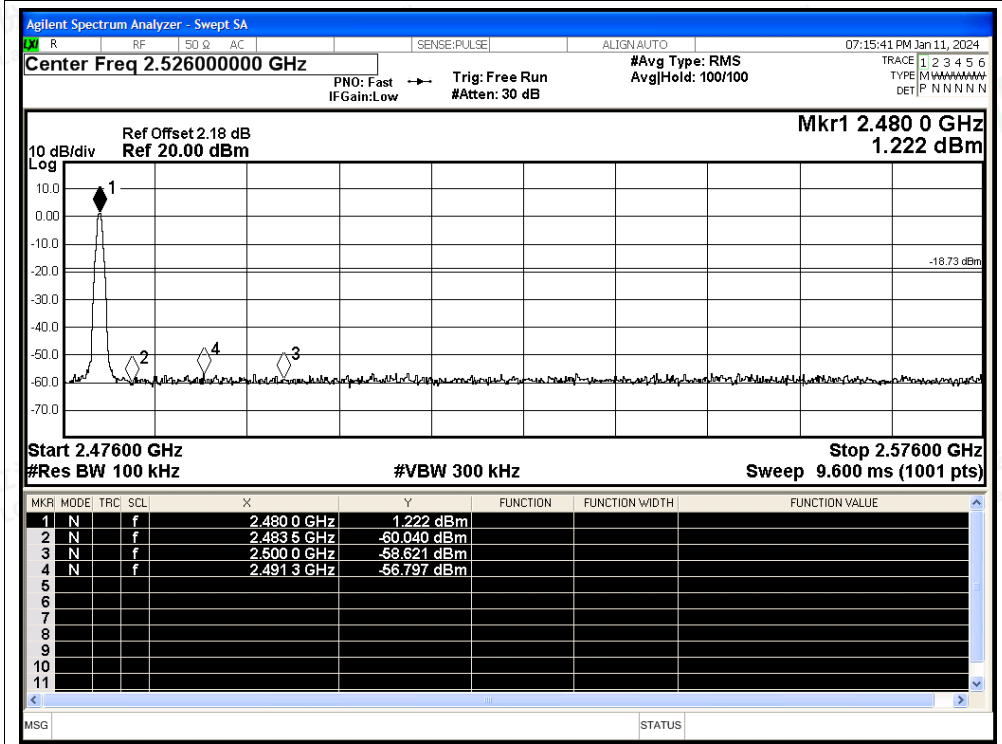




Band Edge NVNT 1-DH5 2480MHz Ant No-Hopping Ref

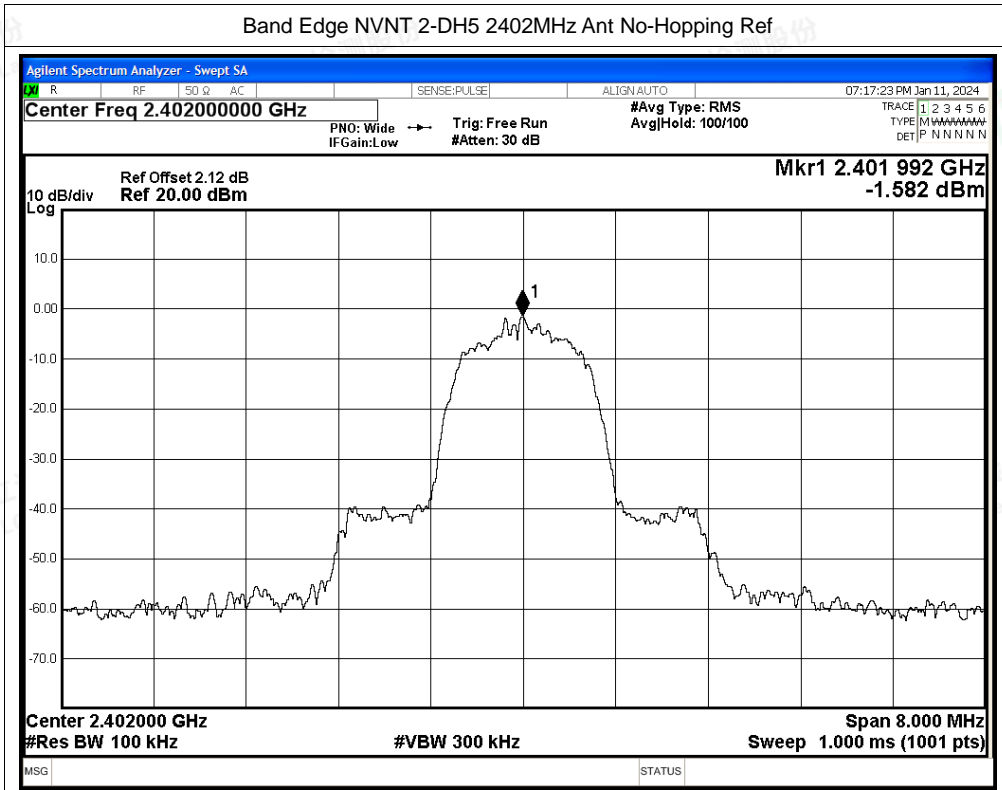


Band Edge NVNT 1-DH5 2480MHz Ant No-Hopping Emission

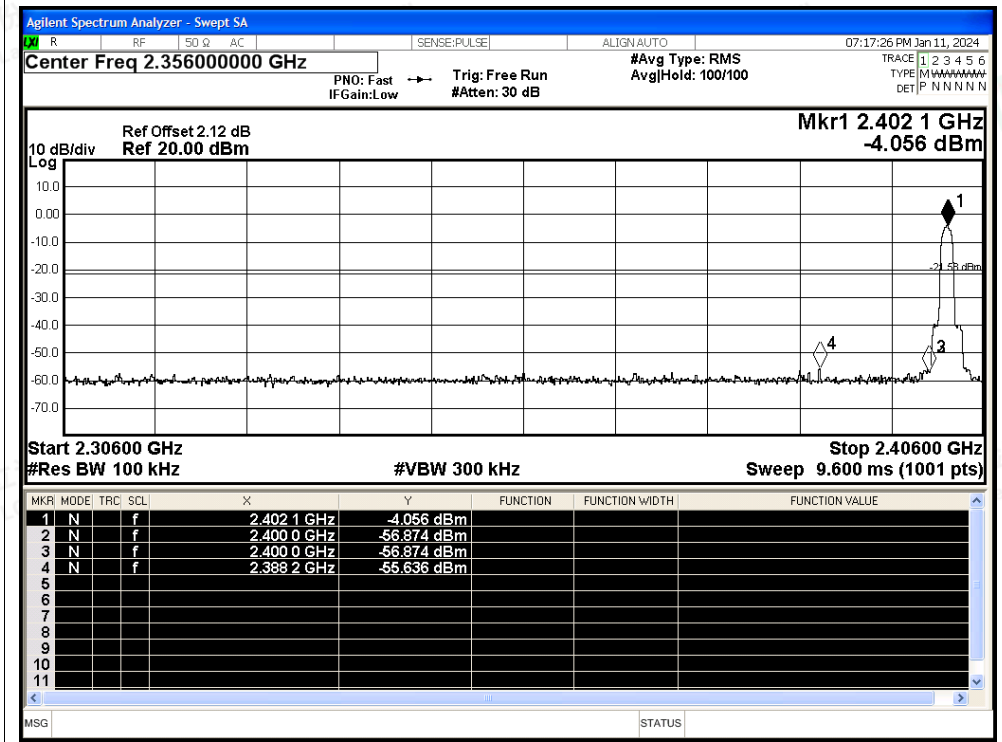




Band Edge NVNT 2-DH5 2402MHz Ant No-Hopping Ref

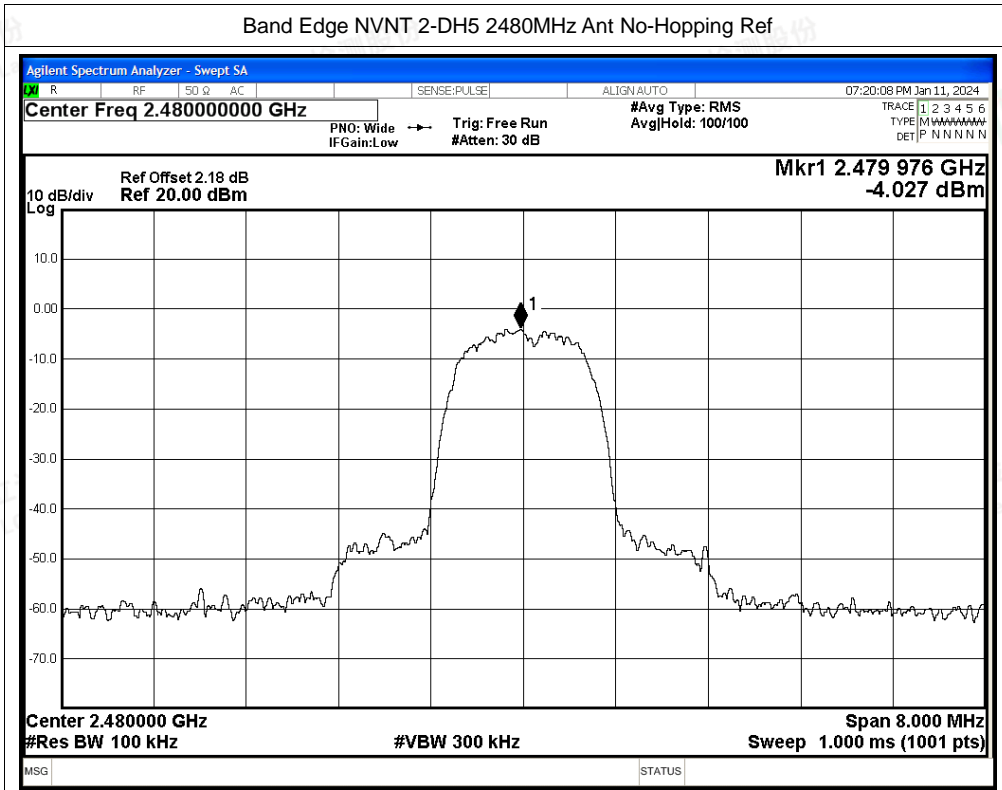


Band Edge NVNT 2-DH5 2402MHz Ant No-Hopping Emission

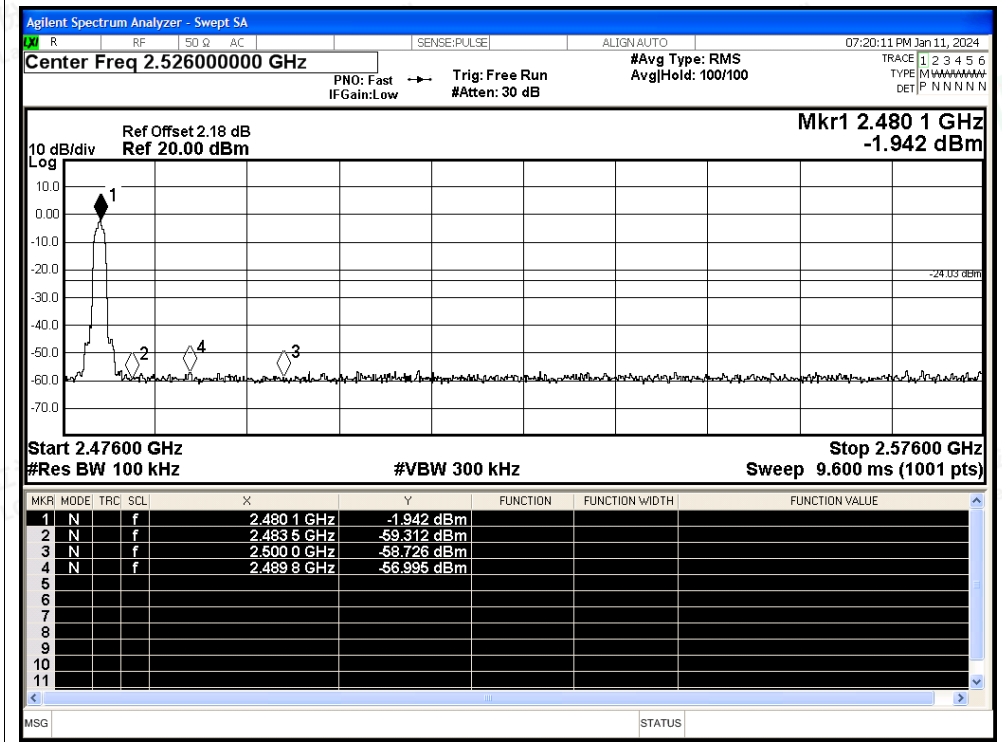




Band Edge NVNT 2-DH5 2480MHz Ant No-Hopping Ref

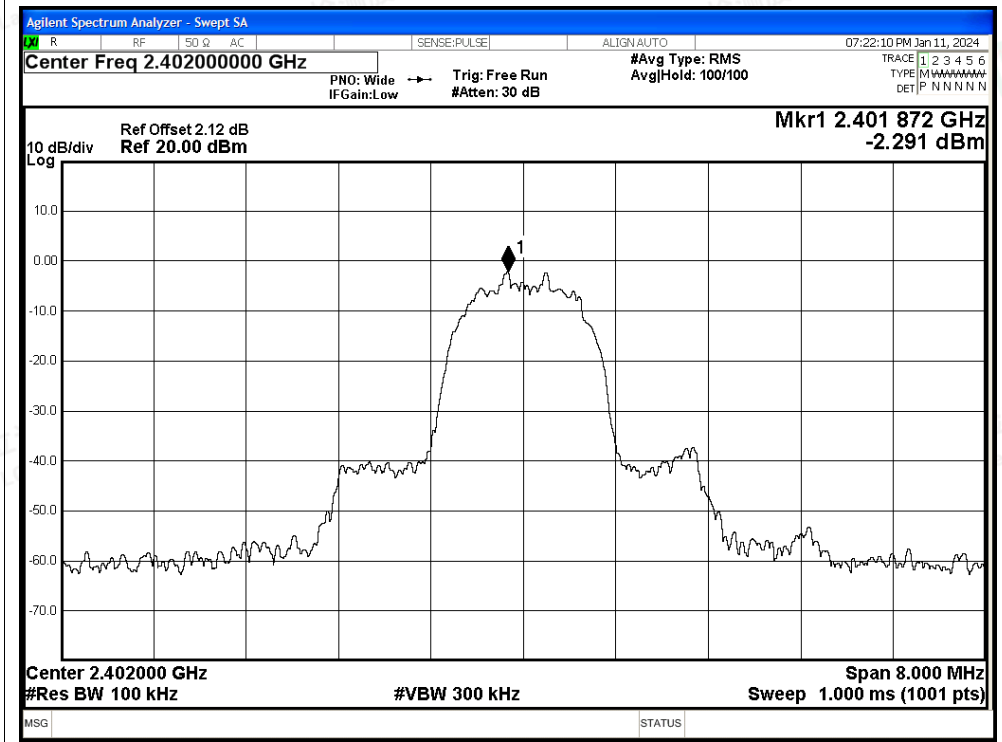


Band Edge NVNT 2-DH5 2480MHz Ant No-Hopping Emission

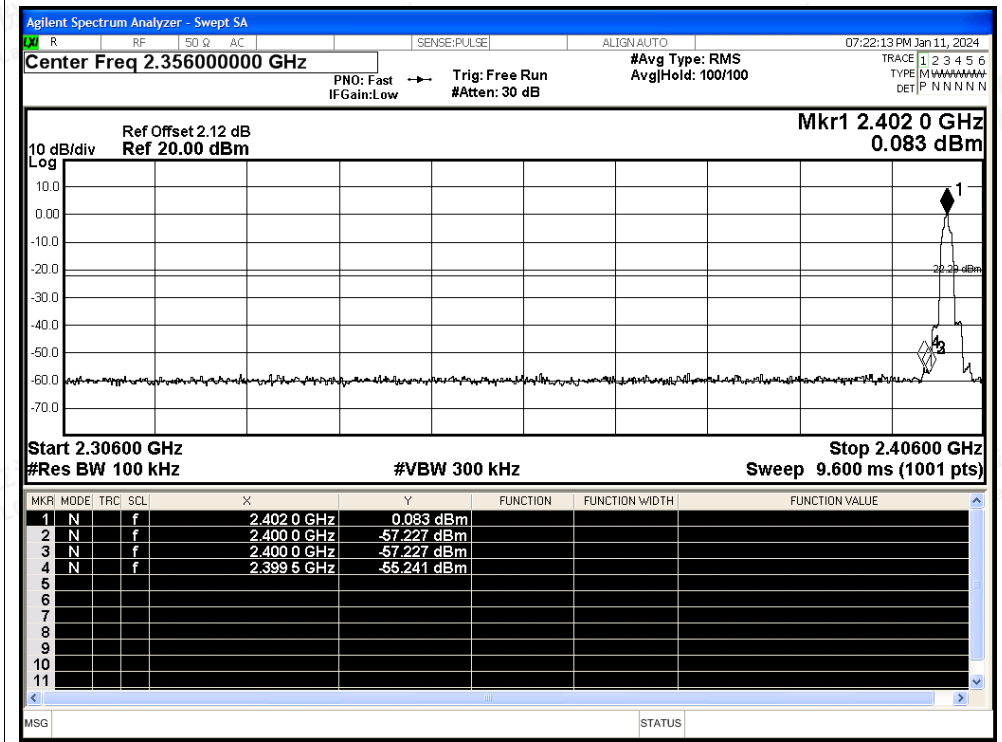




Band Edge NVNT 3-DH5 2402MHz Ant No-Hopping Ref

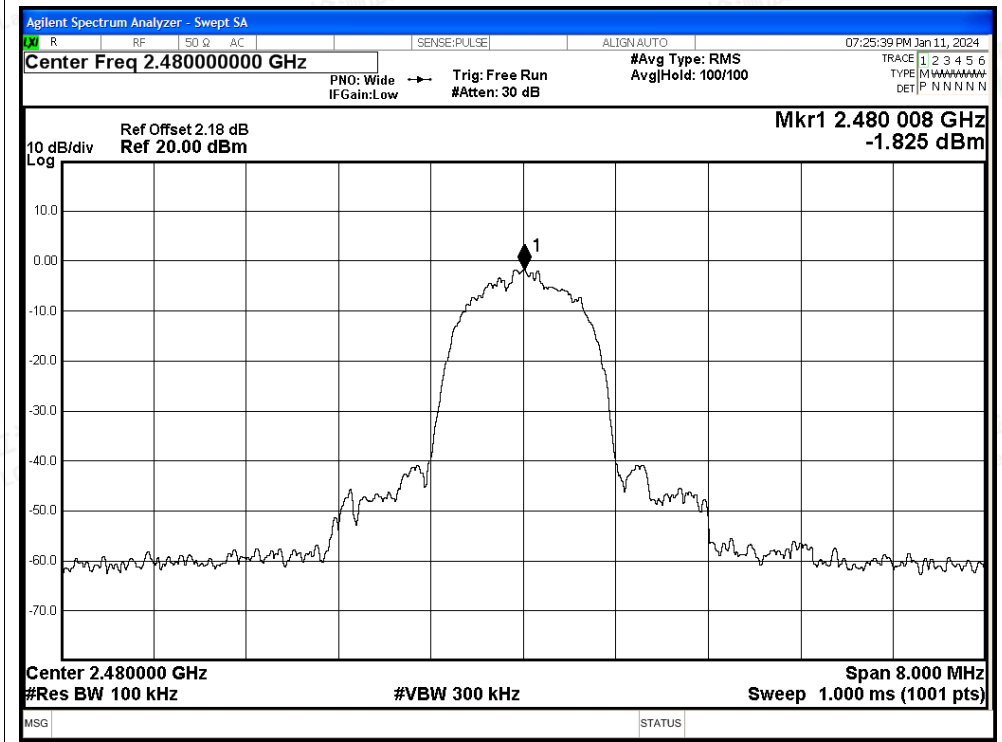


Band Edge NVNT 3-DH5 2402MHz Ant No-Hopping Emission

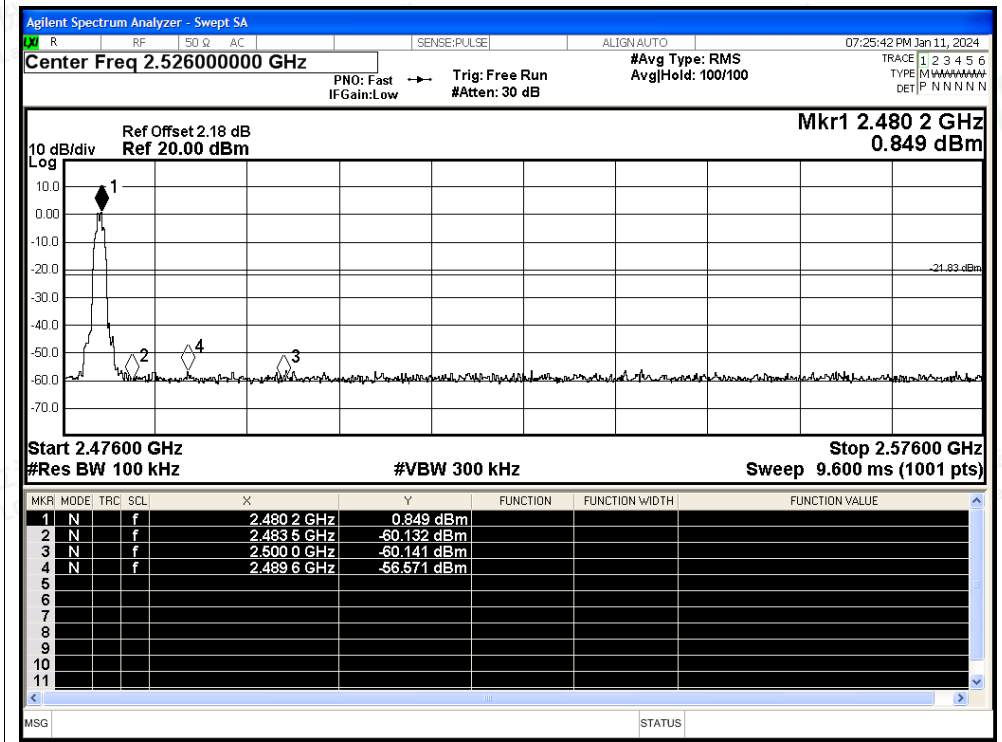




Band Edge NVNT 3-DH5 2480MHz Ant No-Hopping Ref



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





(Hopping)

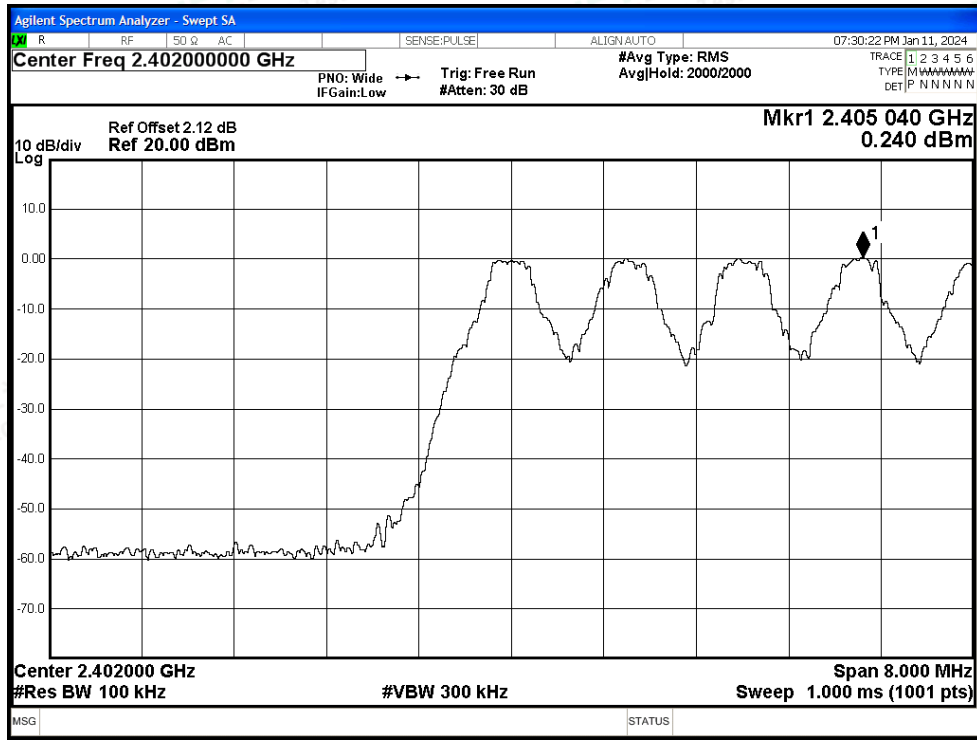
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant	Hopping	-56.04	-20	Pass
NVNT	1-DH5	2480	Ant	Hopping	-57.12	-20	Pass
NVNT	2-DH5	2402	Ant	Hopping	-53.76	-20	Pass
NVNT	2-DH5	2480	Ant	Hopping	-55.58	-20	Pass
NVNT	3-DH5	2402	Ant	Hopping	-55.26	-20	Pass
NVNT	3-DH5	2480	Ant	Hopping	-56.89	-20	Pass



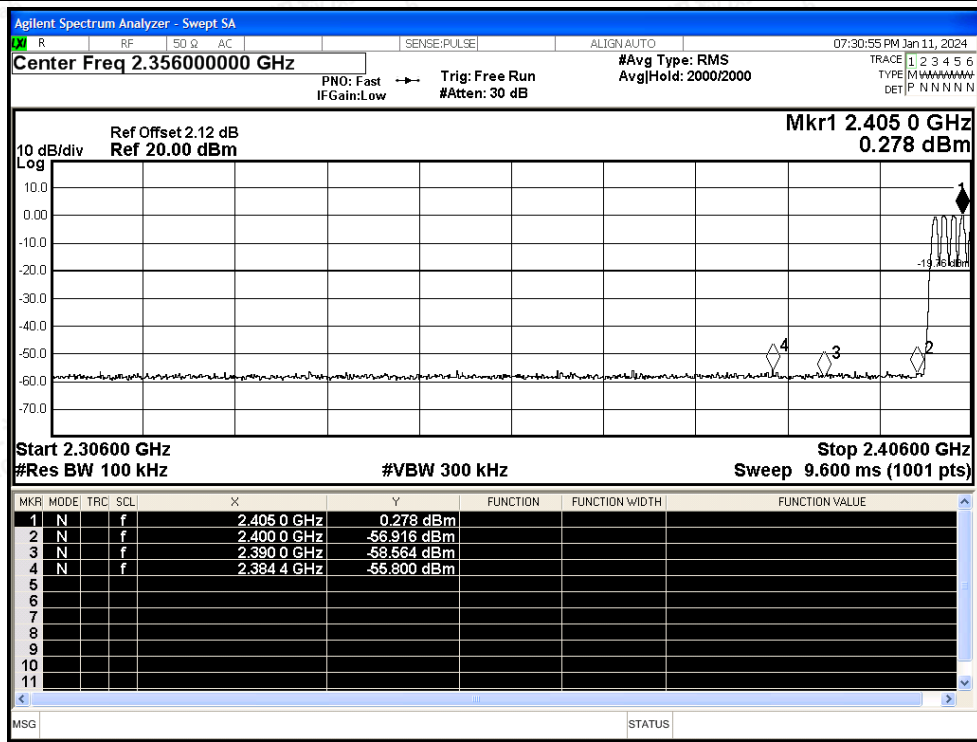


Test Graphs

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

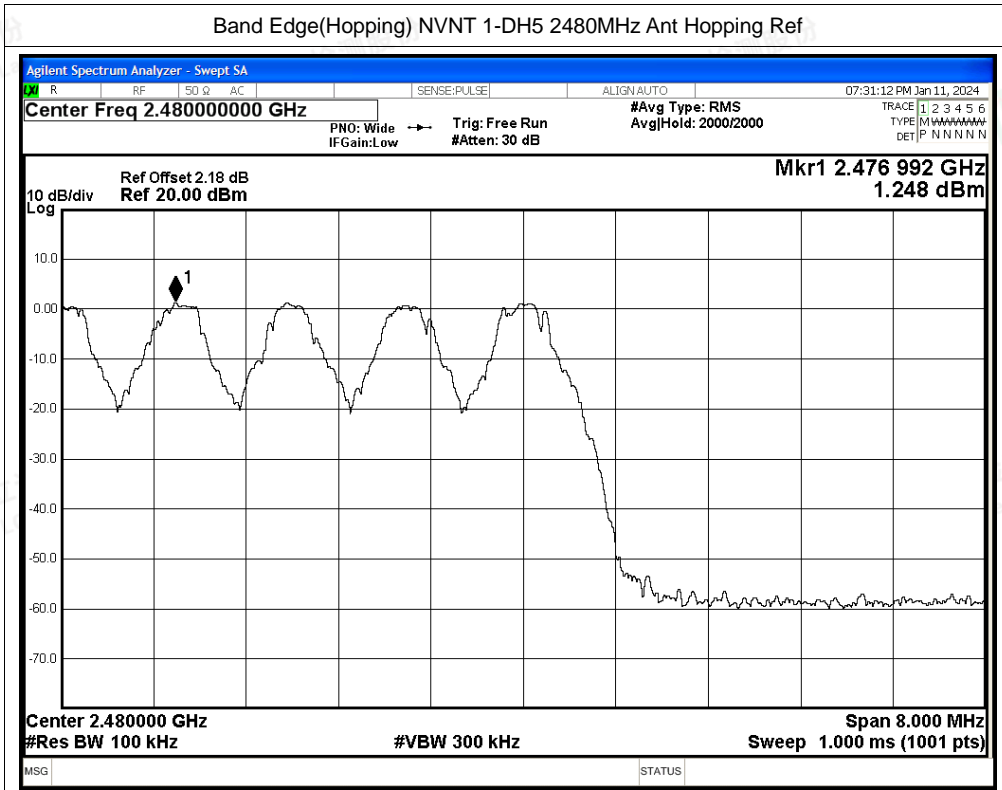


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant Hopping Emission

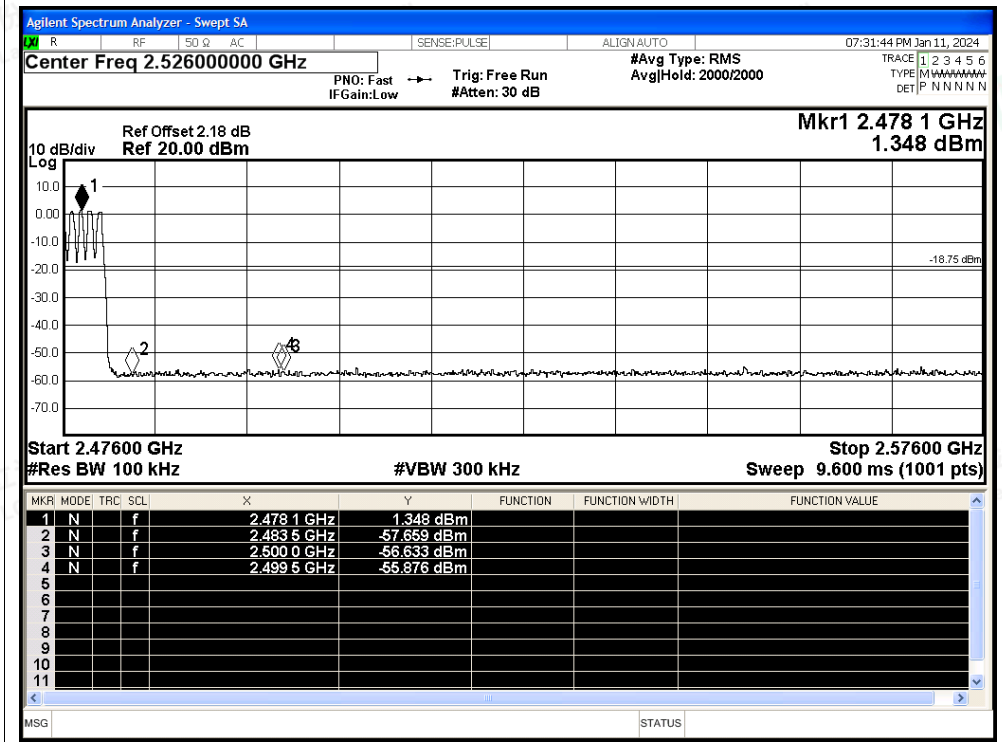




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant Hopping Ref

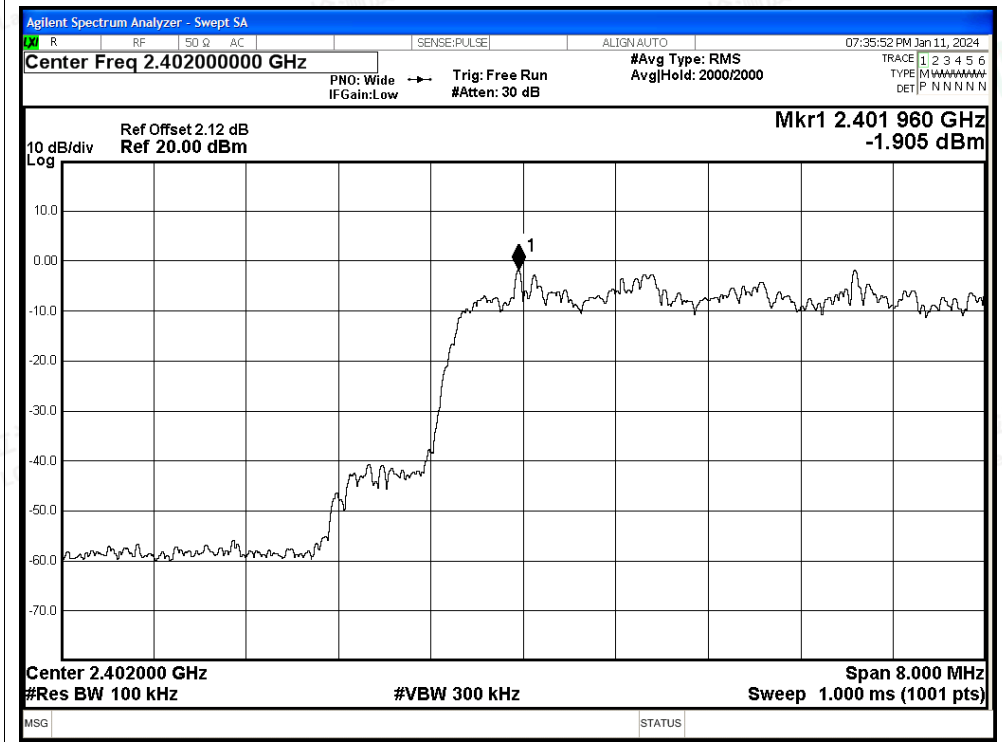


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant Hopping Emission

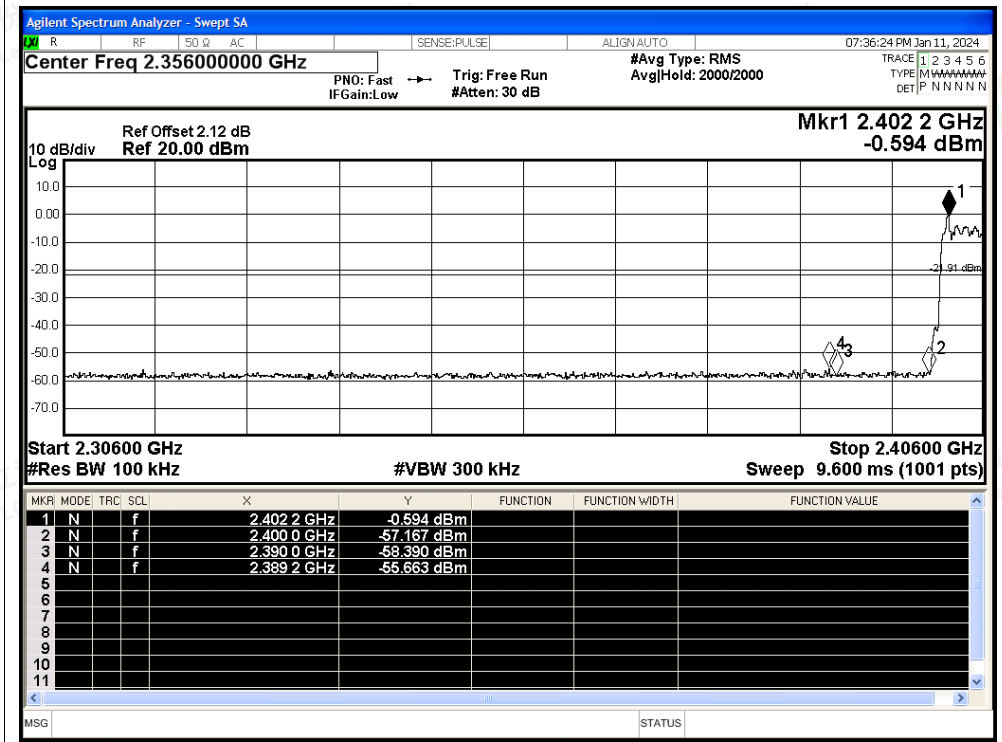




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant Hopping Ref

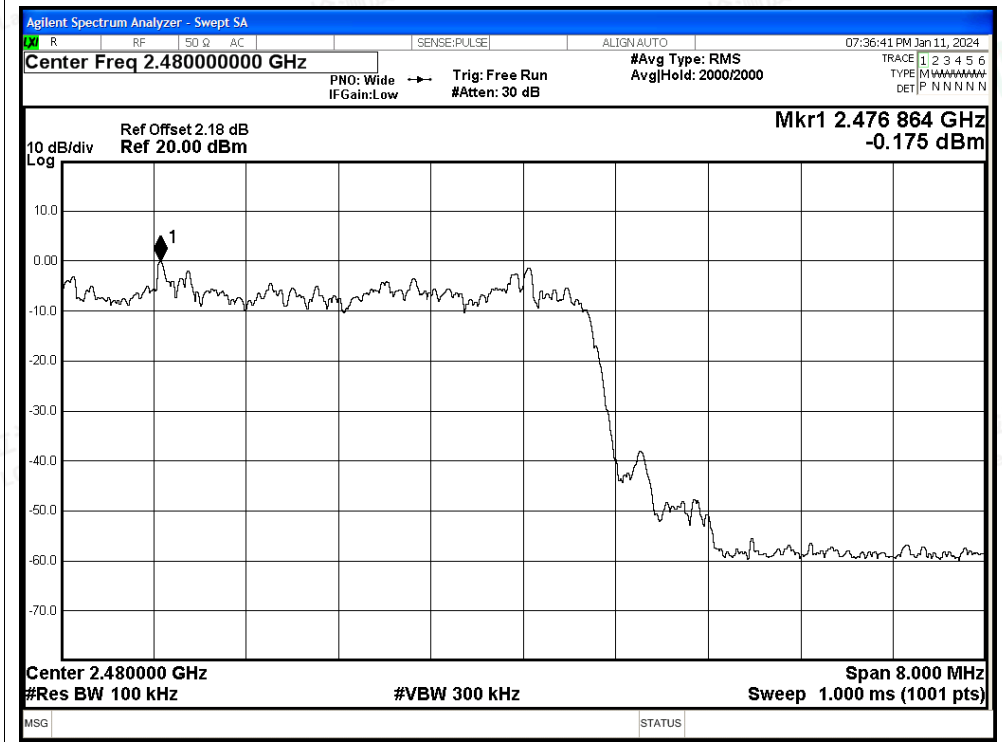


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant Hopping Emission

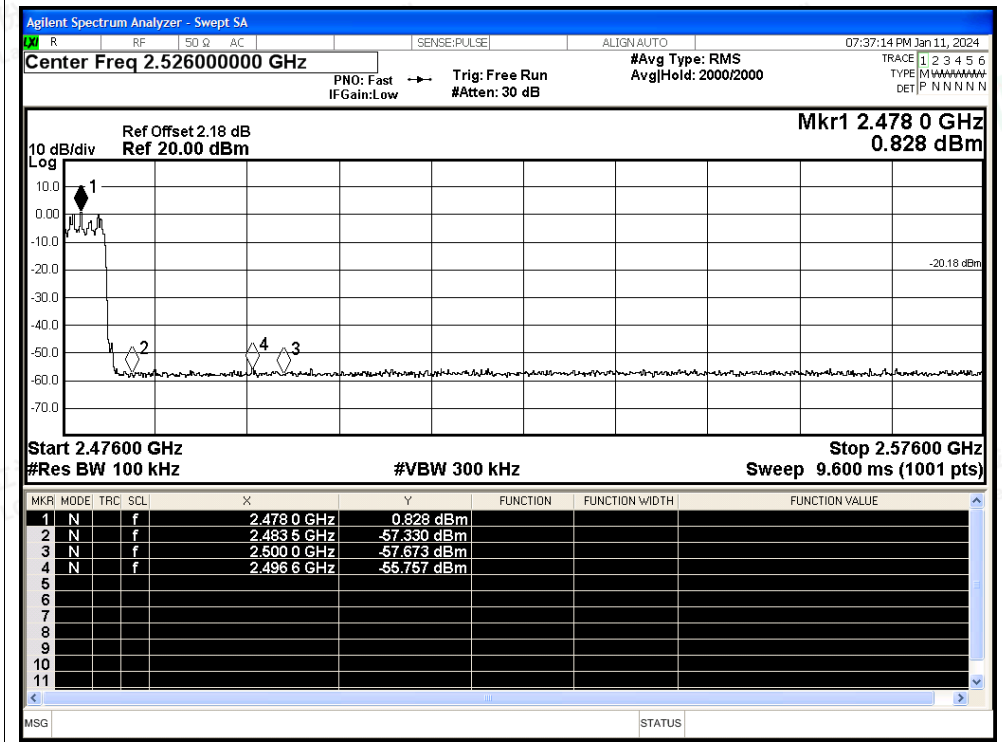




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant Hopping Ref

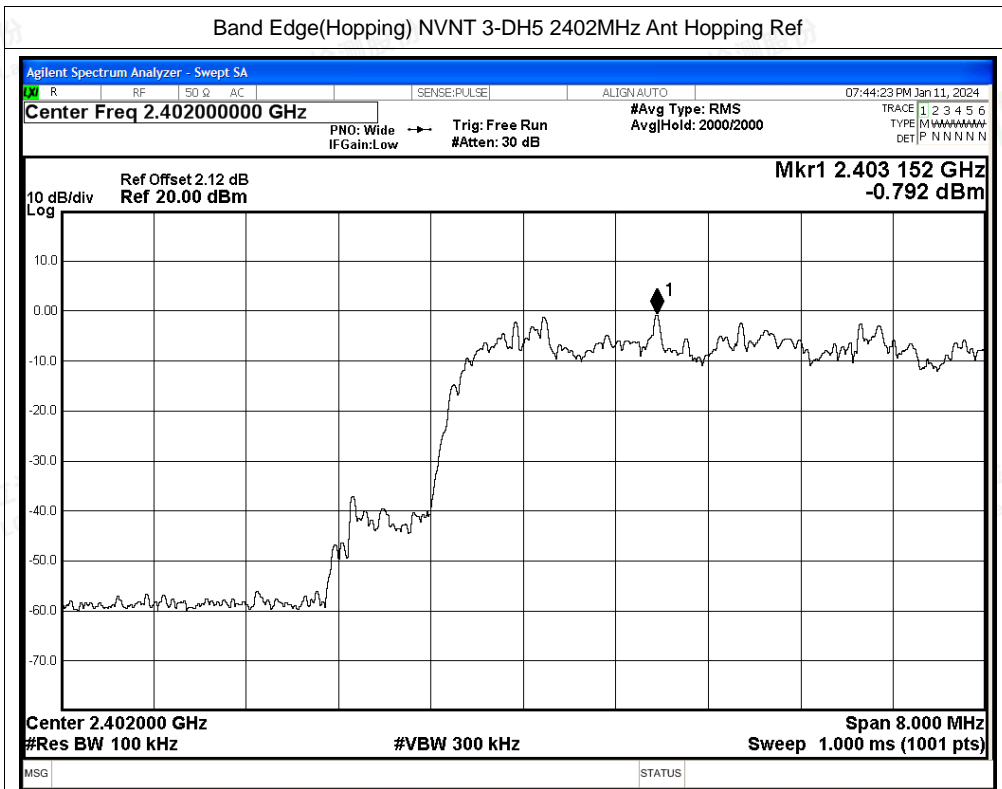


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant Hopping Emission

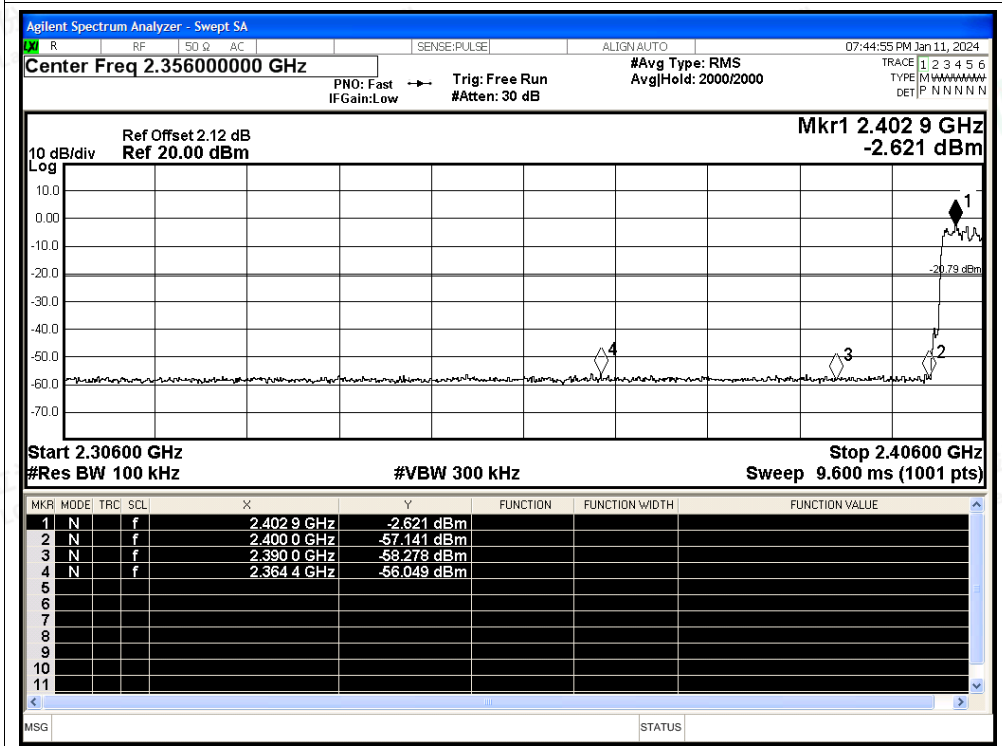


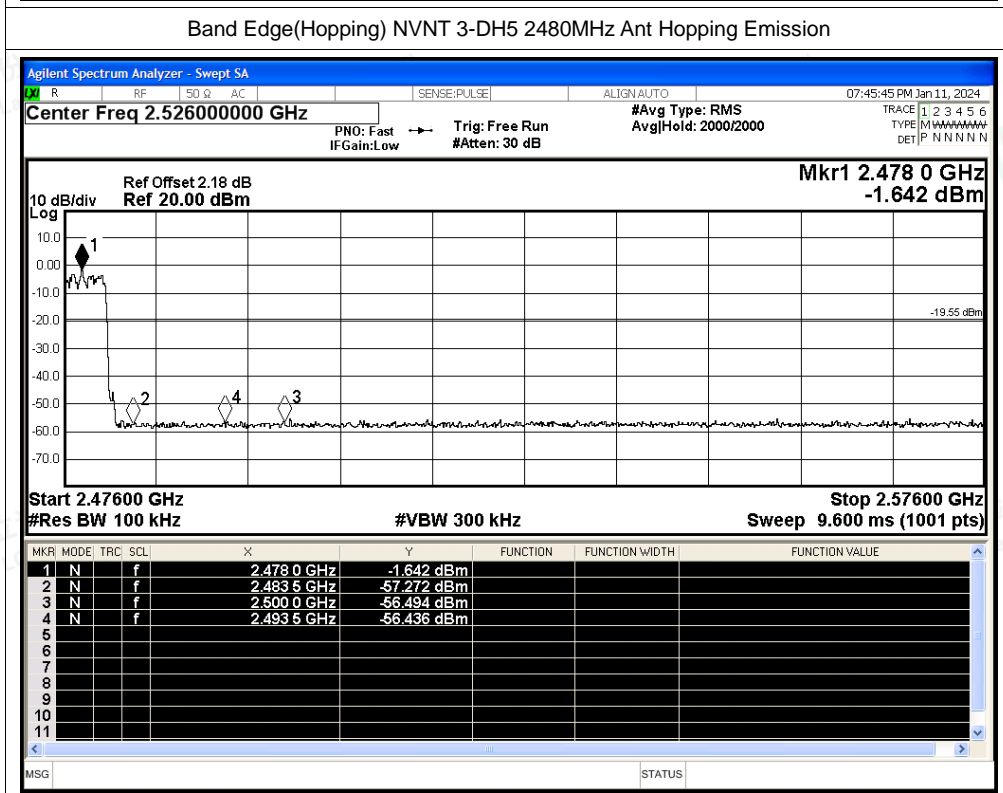
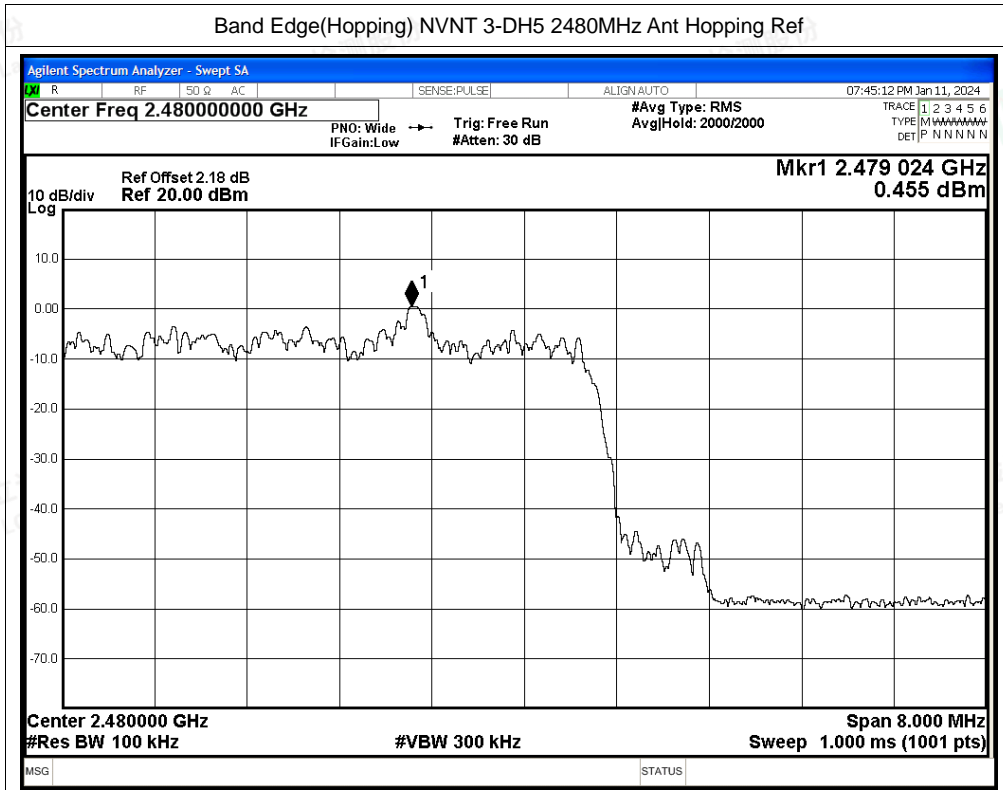


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant Hopping Ref



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







A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant	-55.68	-20	Pass
NVNT	1-DH5	2441	Ant	-56	-20	Pass
NVNT	1-DH5	2480	Ant	-56.78	-20	Pass
NVNT	2-DH5	2402	Ant	-54.37	-20	Pass
NVNT	2-DH5	2441	Ant	-54.36	-20	Pass
NVNT	2-DH5	2480	Ant	-55.96	-20	Pass
NVNT	3-DH5	2402	Ant	-55.19	-20	Pass
NVNT	3-DH5	2441	Ant	-54.34	-20	Pass
NVNT	3-DH5	2480	Ant	-55.17	-20	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

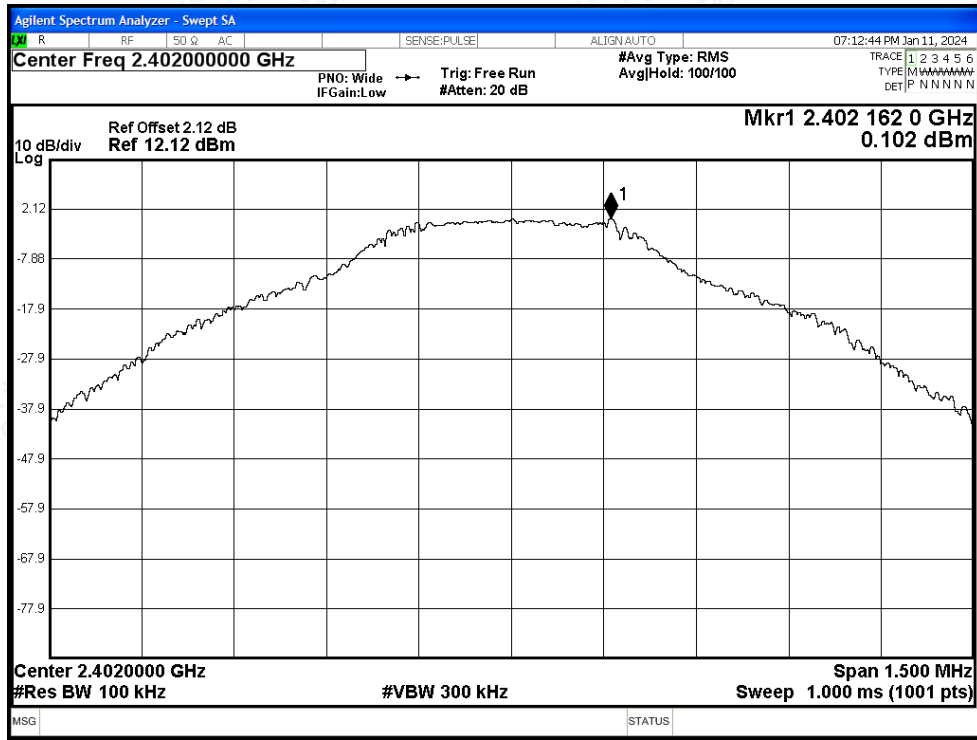
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

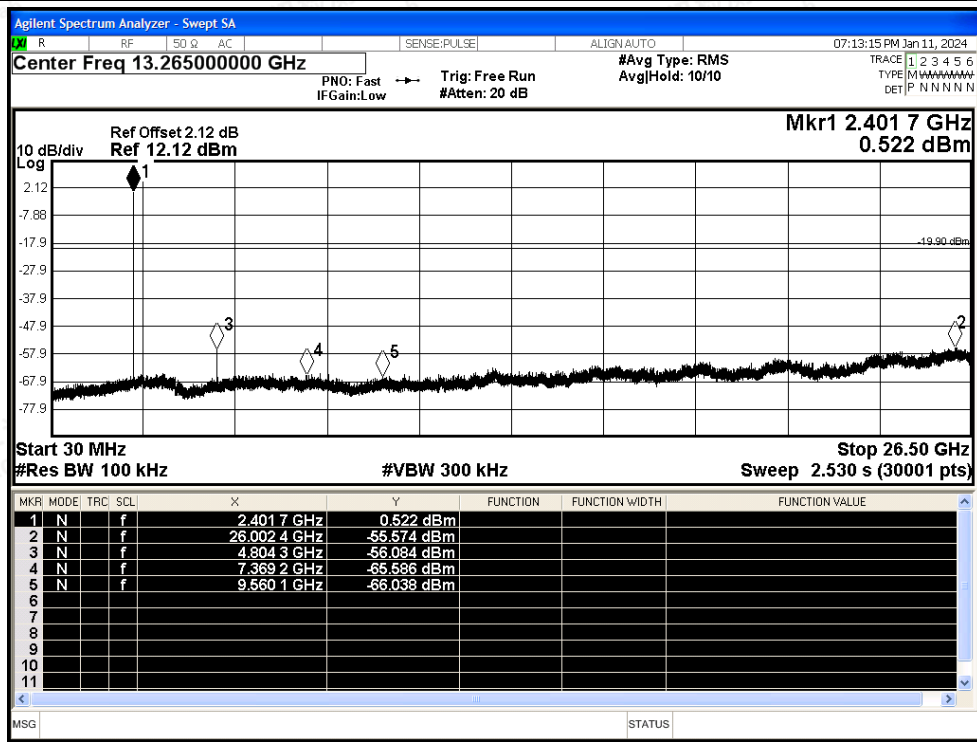


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant Ref

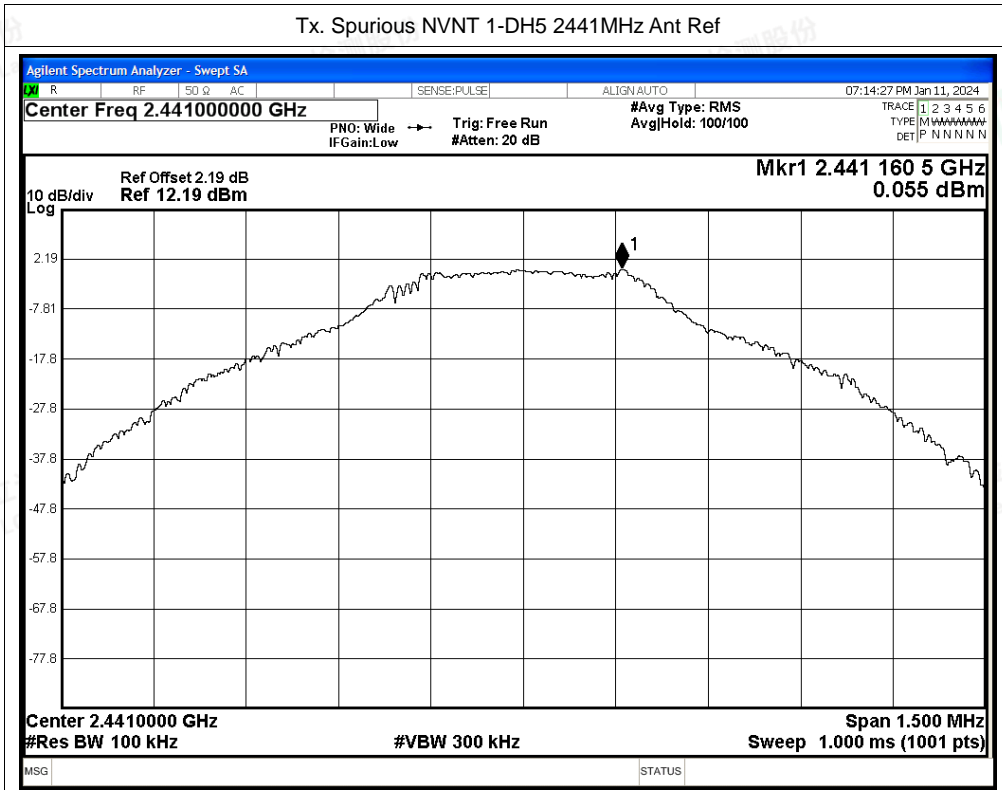


Tx. Spurious NVNT 1-DH5 2402MHz Ant Emission

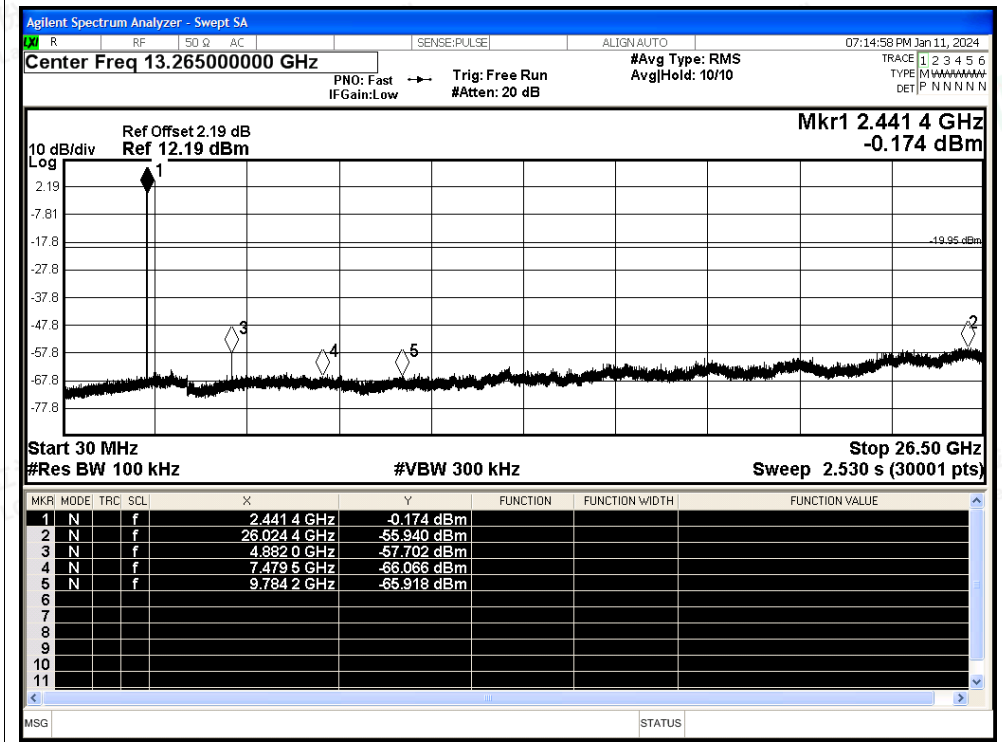




Tx. Spurious NVNT 1-DH5 2441MHz Ant Ref

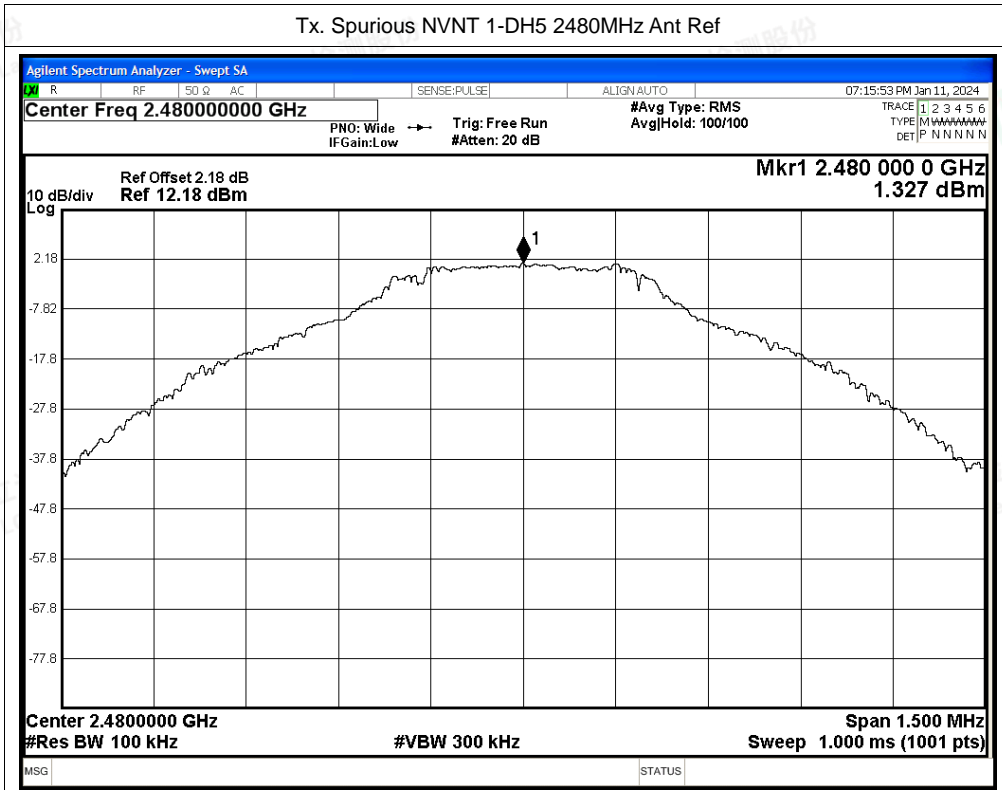


Tx. Spurious NVNT 1-DH5 2441MHz Ant Emission

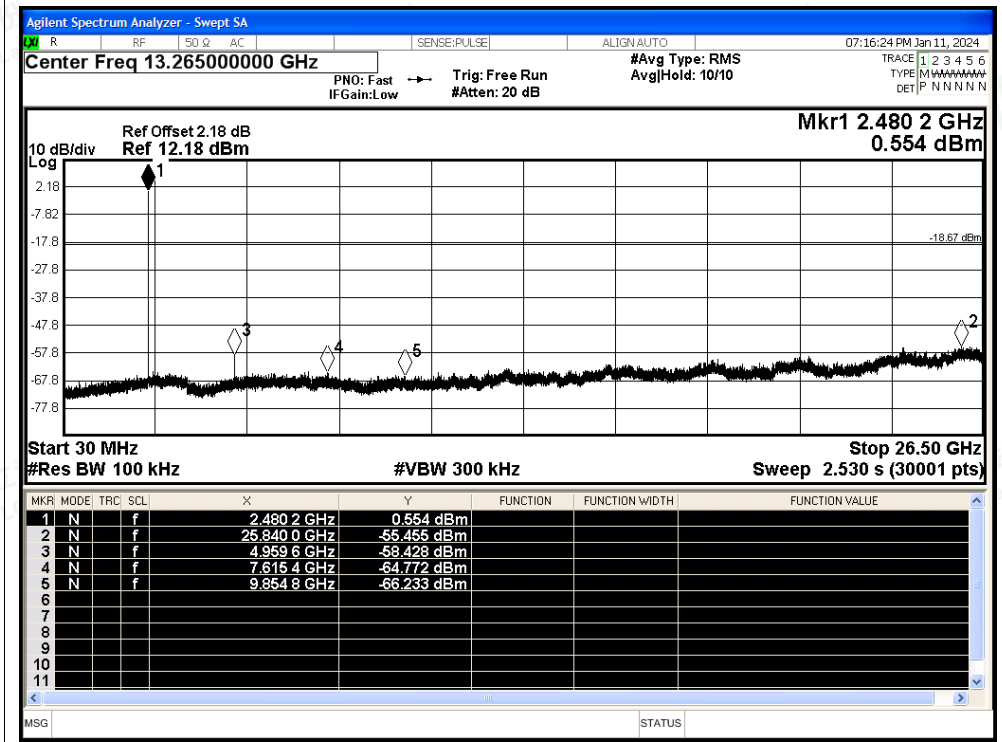




Tx. Spurious NVNT 1-DH5 2480MHz Ant Ref

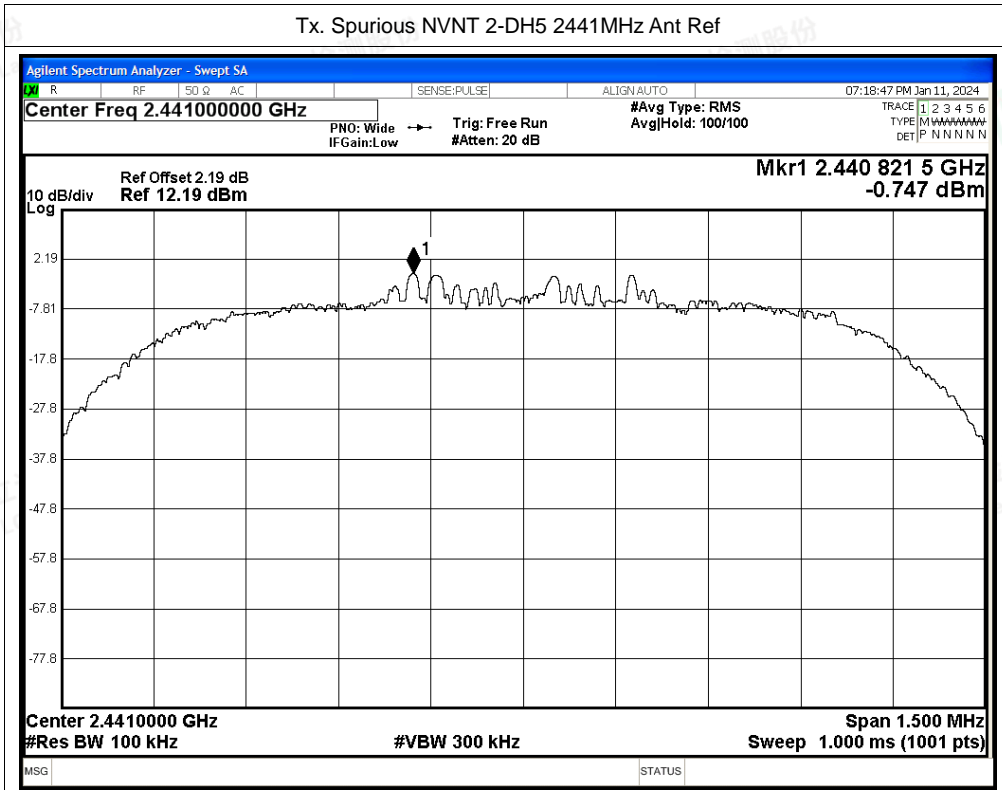


Tx. Spurious NVNT 1-DH5 2480MHz Ant Emission

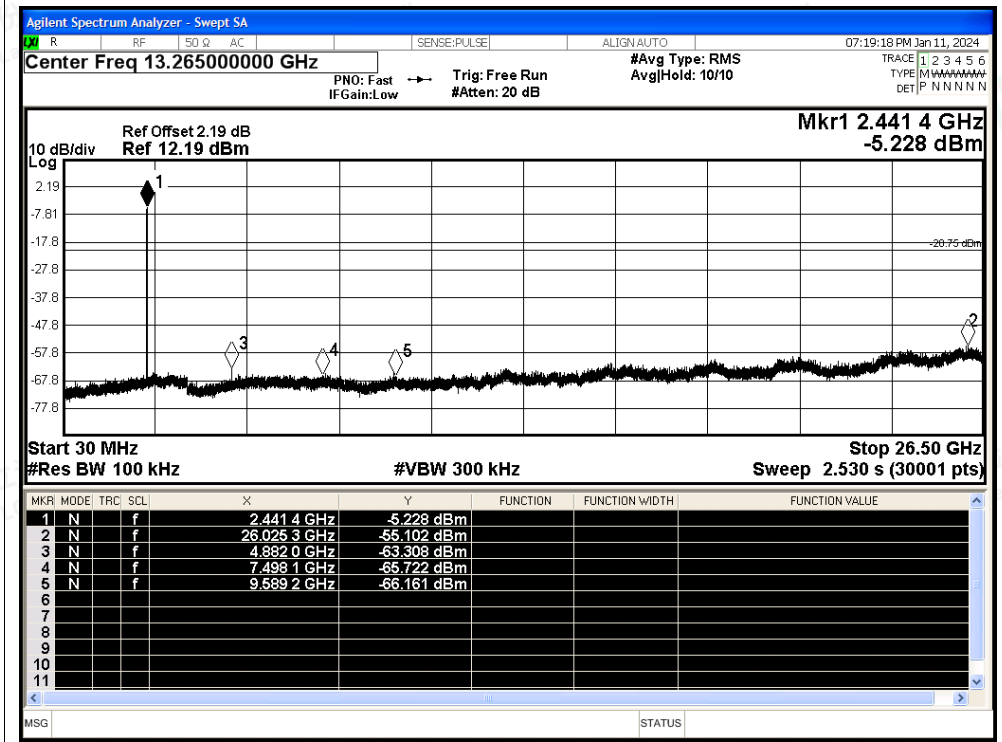




Tx. Spurious NVNT 2-DH5 2441MHz Ant Ref

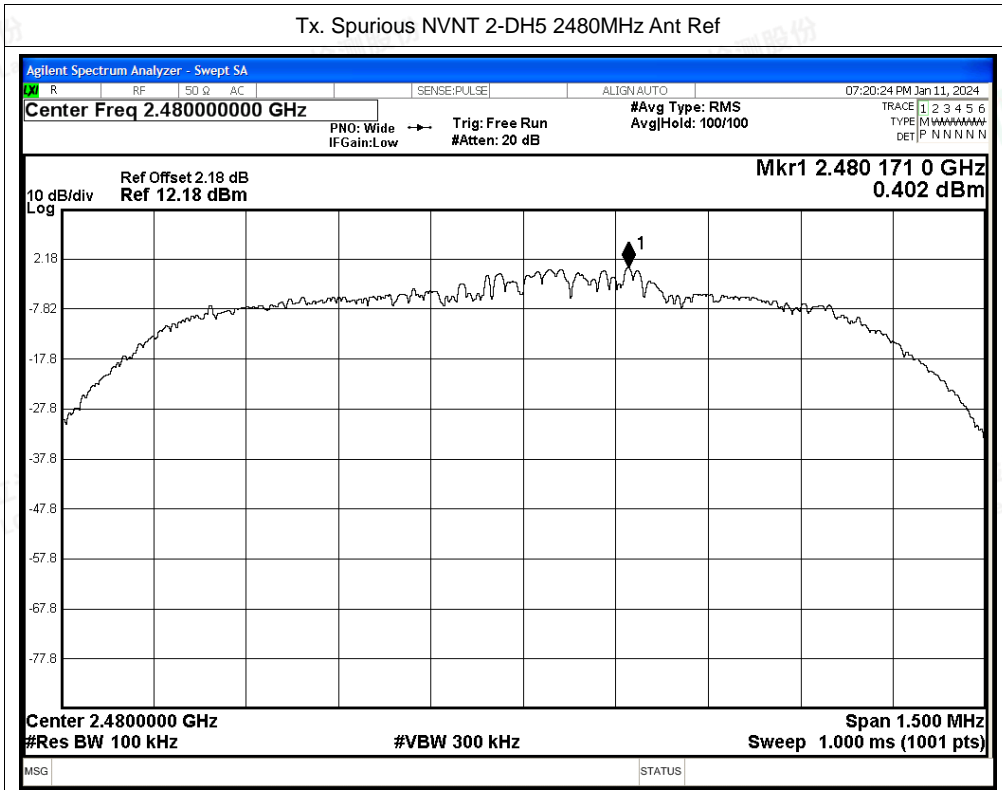


Tx. Spurious NVNT 2-DH5 2441MHz Ant Emission

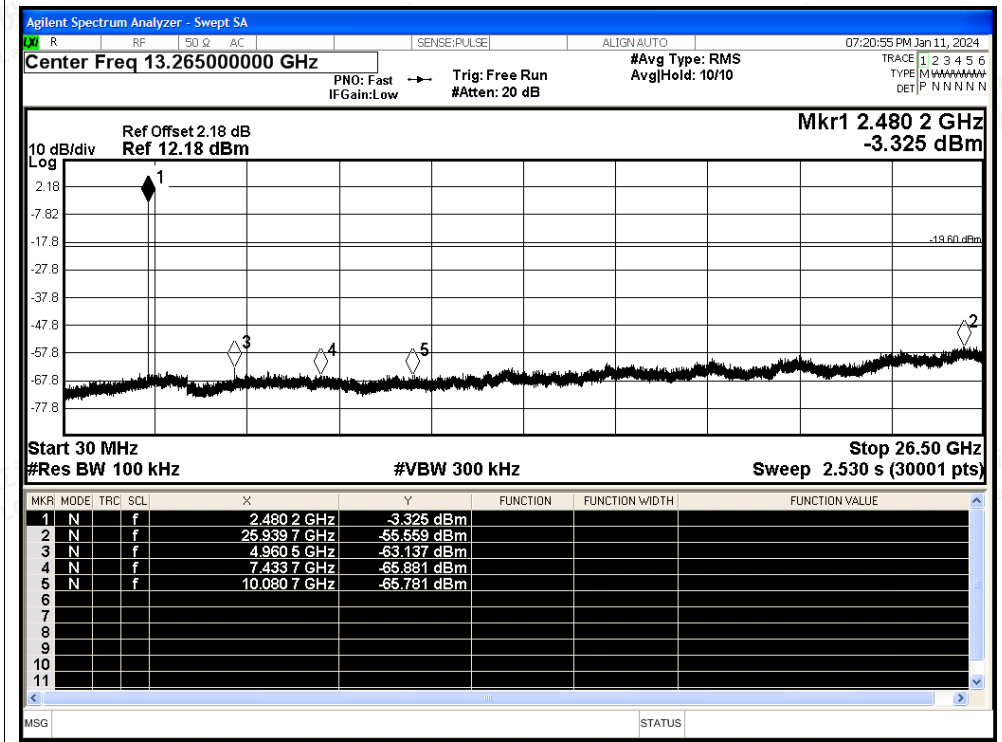




Tx. Spurious NVNT 2-DH5 2480MHz Ant Ref

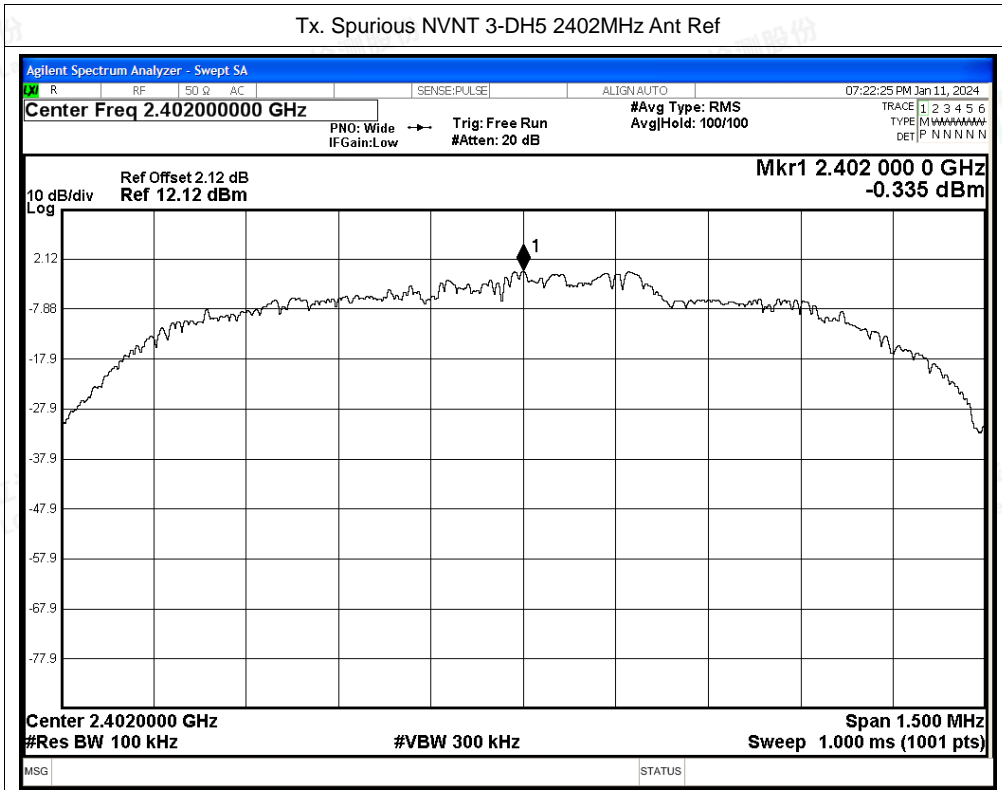


Tx. Spurious NVNT 2-DH5 2480MHz Ant Emission

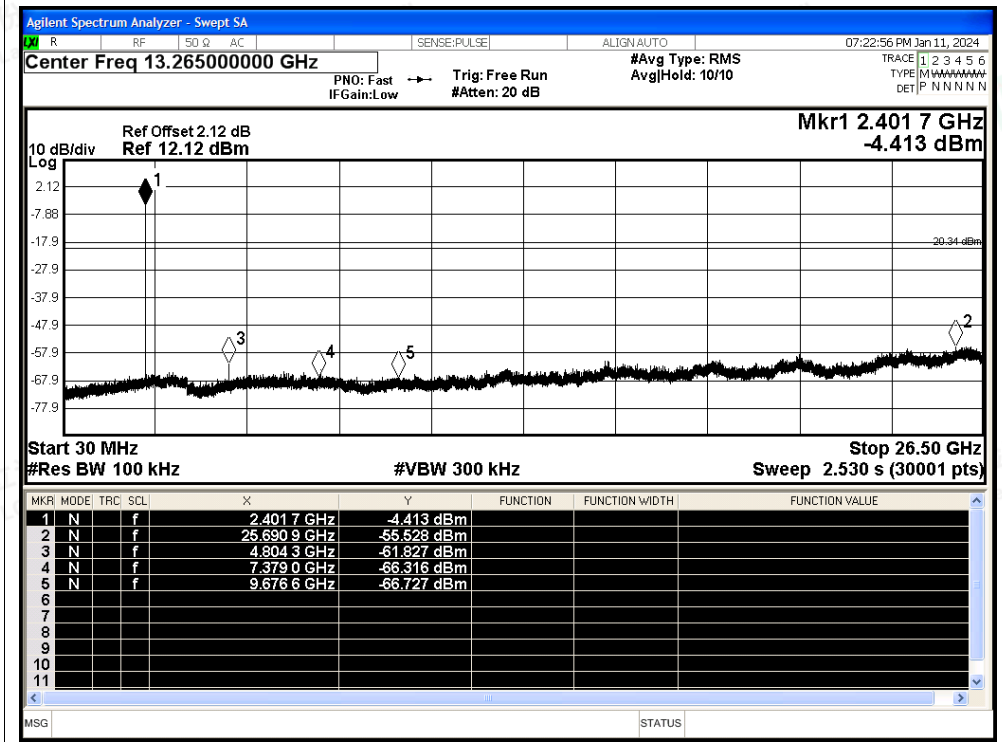




Tx. Spurious NVNT 3-DH5 2402MHz Ant Ref

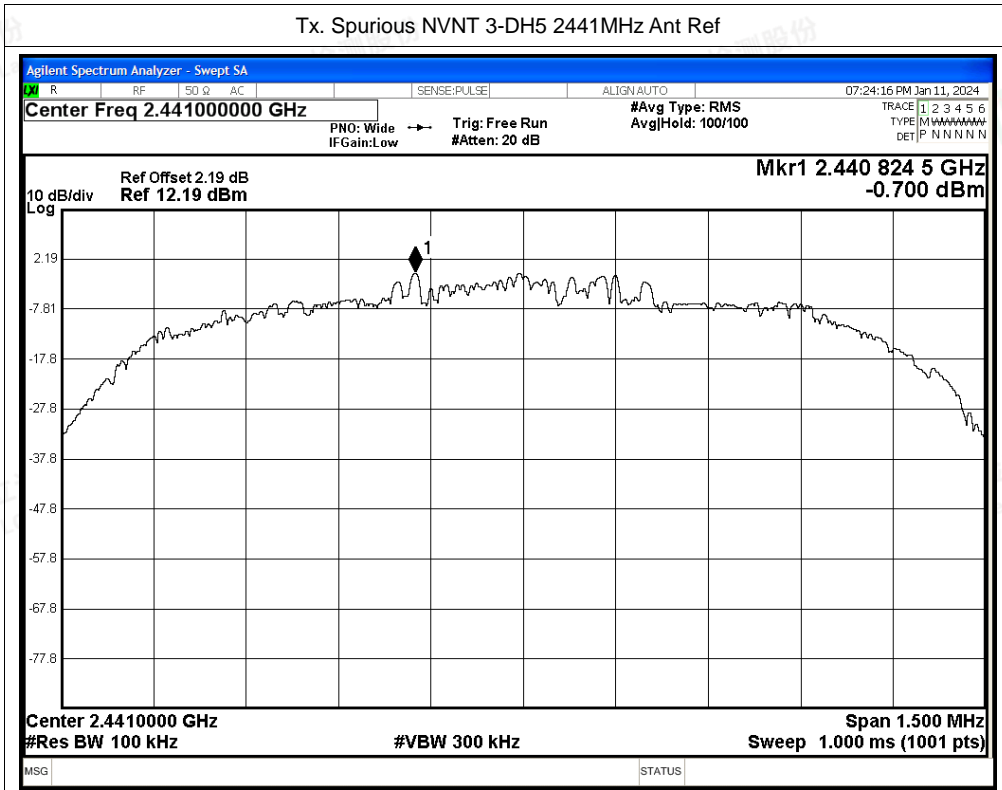


Tx. Spurious NVNT 3-DH5 2402MHz Ant Emission

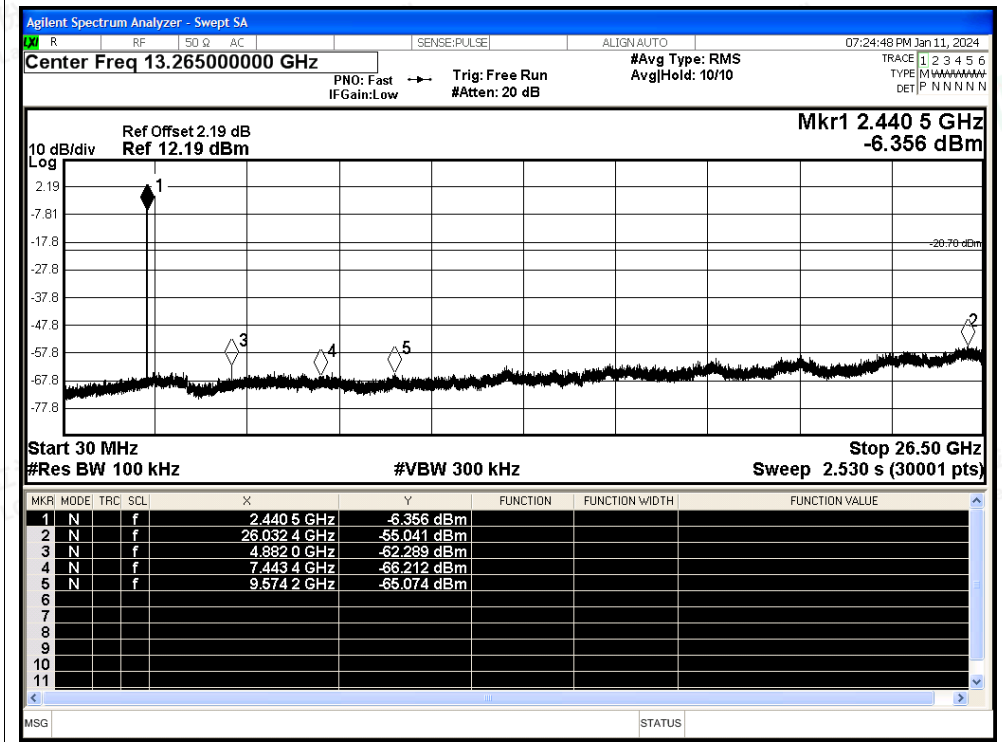




Tx. Spurious NVNT 3-DH5 2441MHz Ant Ref

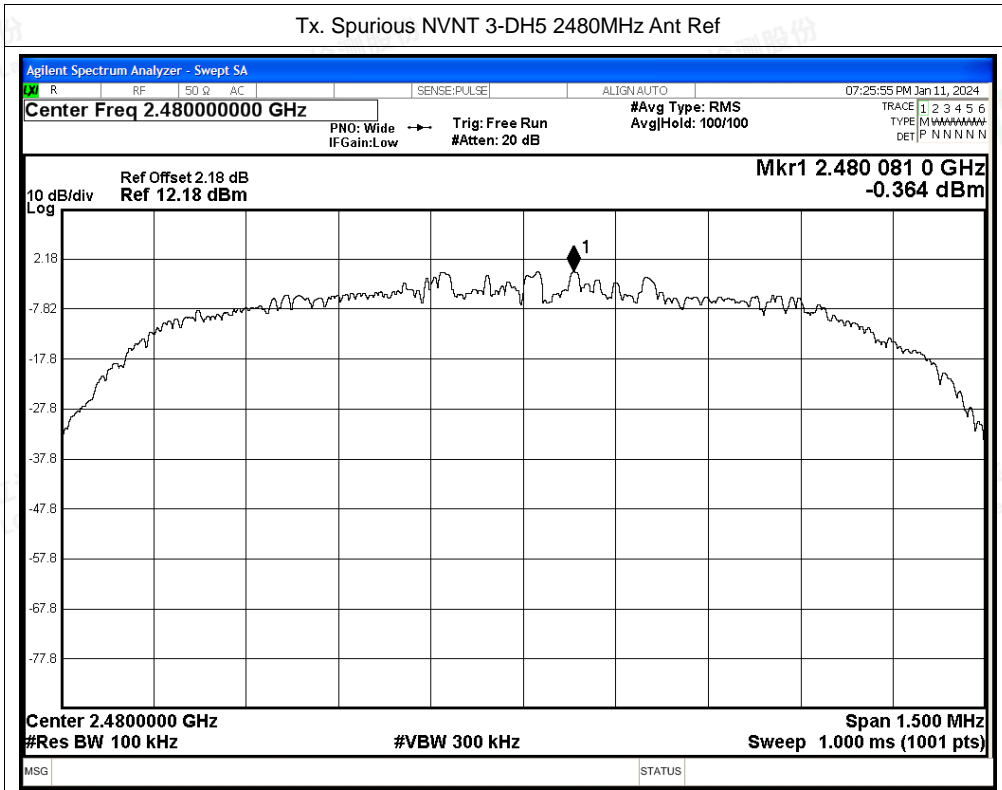


Tx. Spurious NVNT 3-DH5 2441MHz Ant Emission

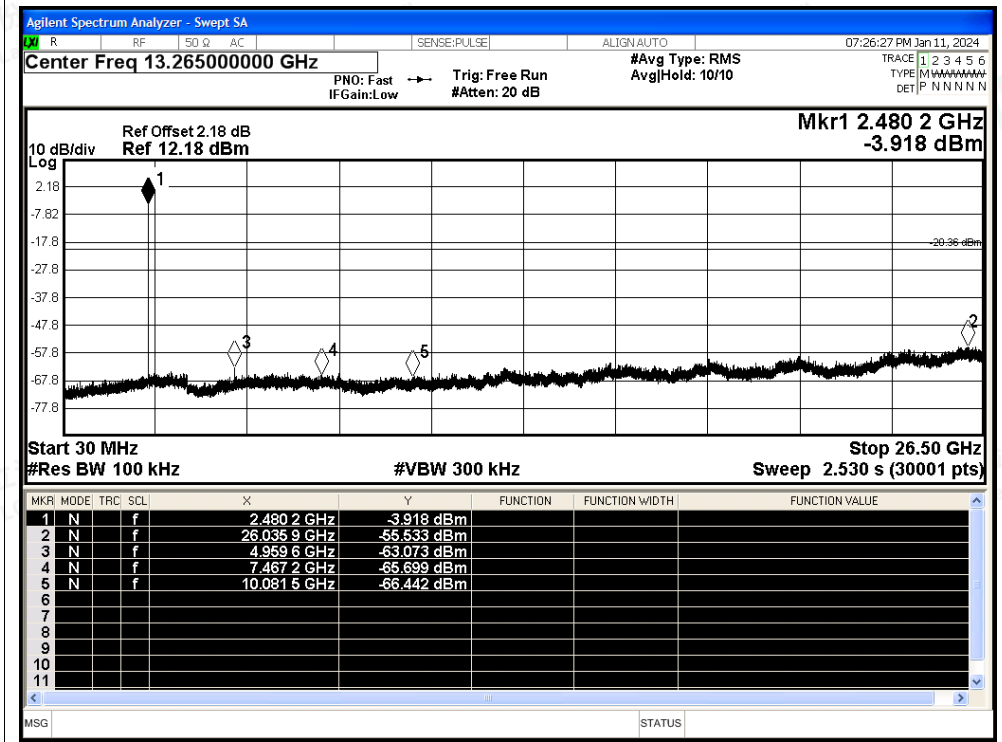




Tx. Spurious NVNT 3-DH5 2480MHz Ant Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant Emission





A.8 Duty Cycle

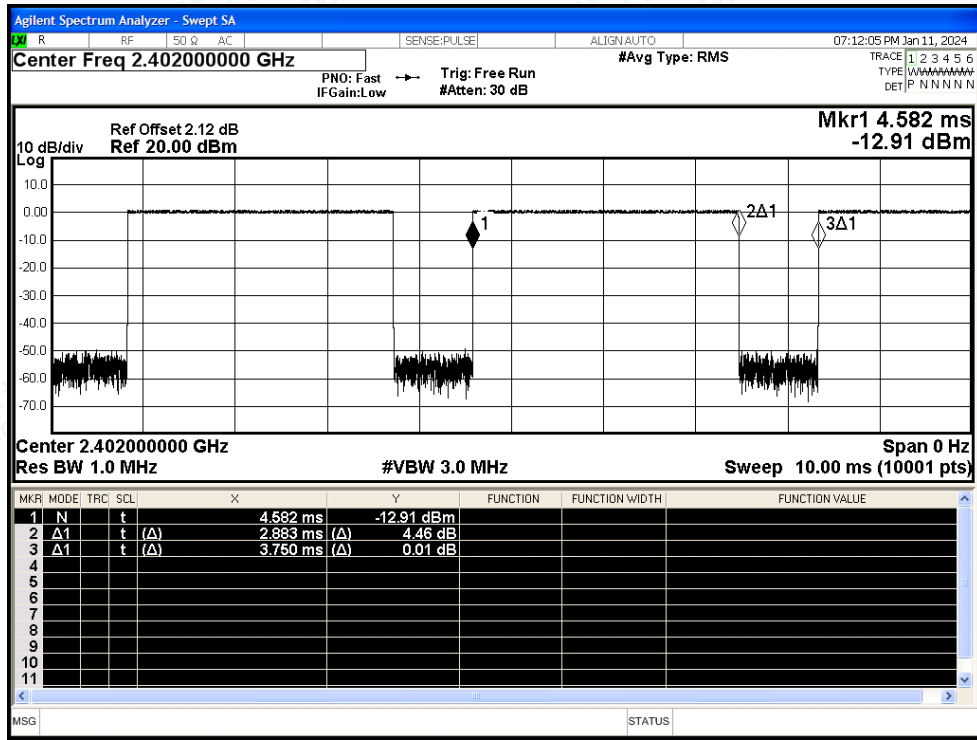
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant	76.88	1.14	0.35
NVNT	1-DH5	2480	Ant	76.91	1.14	0.35
NVNT	2-DH5	2402	Ant	76.96	1.14	0.35
NVNT	2-DH5	2441	Ant	76.96	1.14	0.35
NVNT	2-DH5	2480	Ant	76.99	1.14	0.35
NVNT	3-DH5	2402	Ant	77.01	1.13	0.35
NVNT	3-DH5	2441	Ant	77.01	1.13	0.35
NVNT	3-DH5	2480	Ant	77.01	1.13	0.35



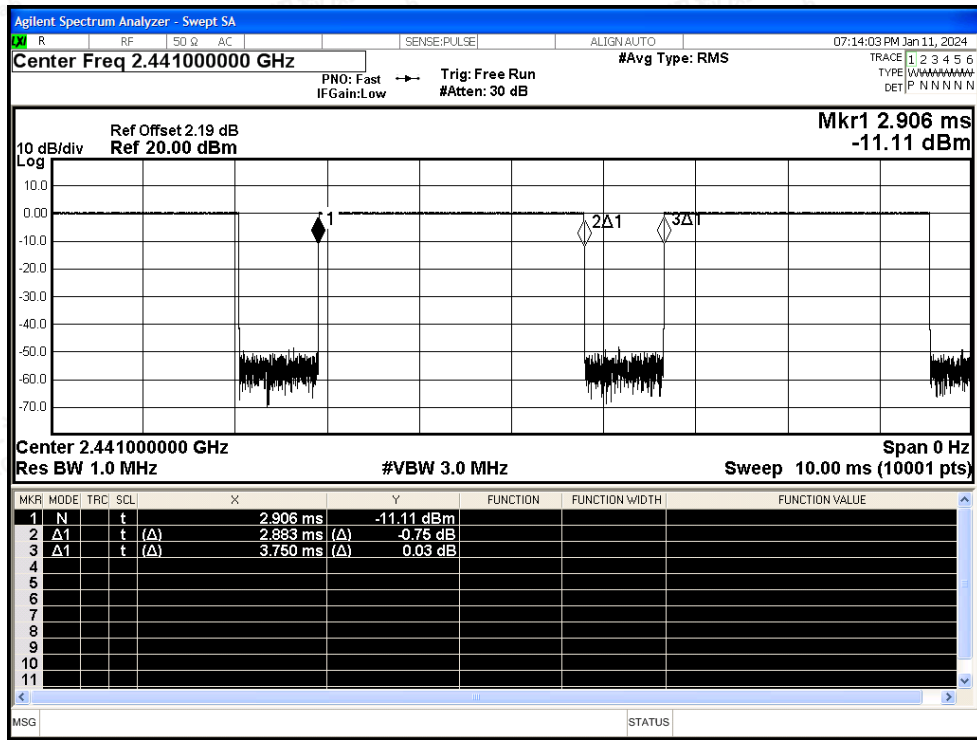


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant

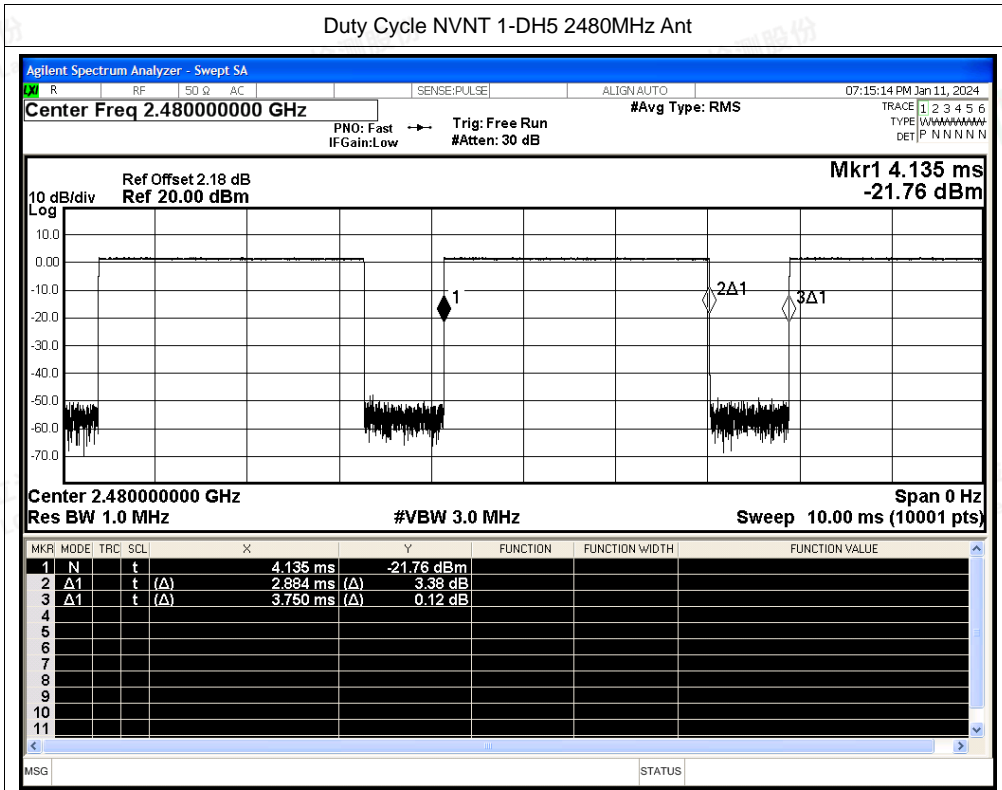


Duty Cycle NVNT 1-DH5 2441MHz Ant

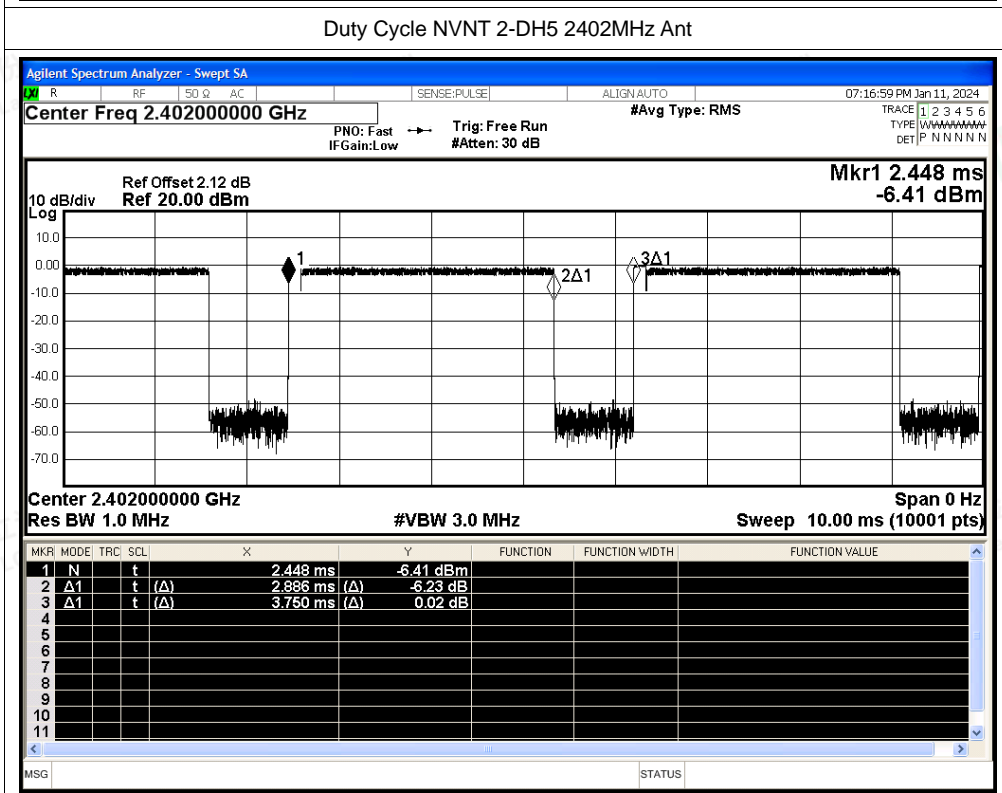




Duty Cycle NVNT 1-DH5 2480MHz Ant

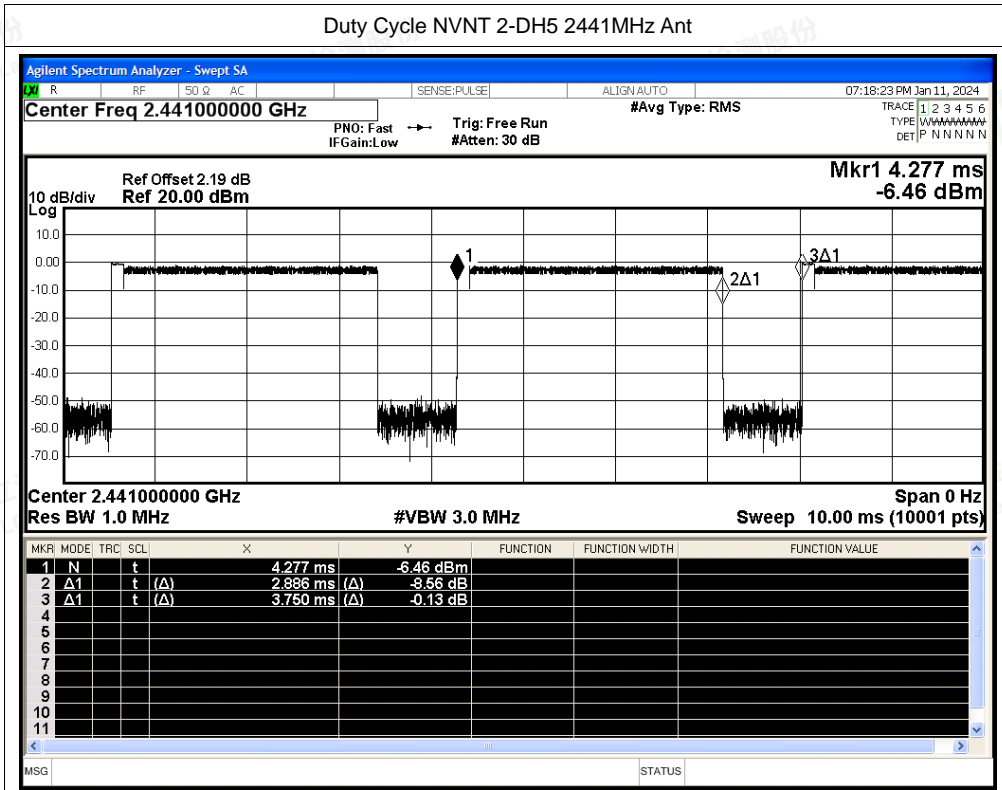


Duty Cycle NVNT 2-DH5 2402MHz Ant

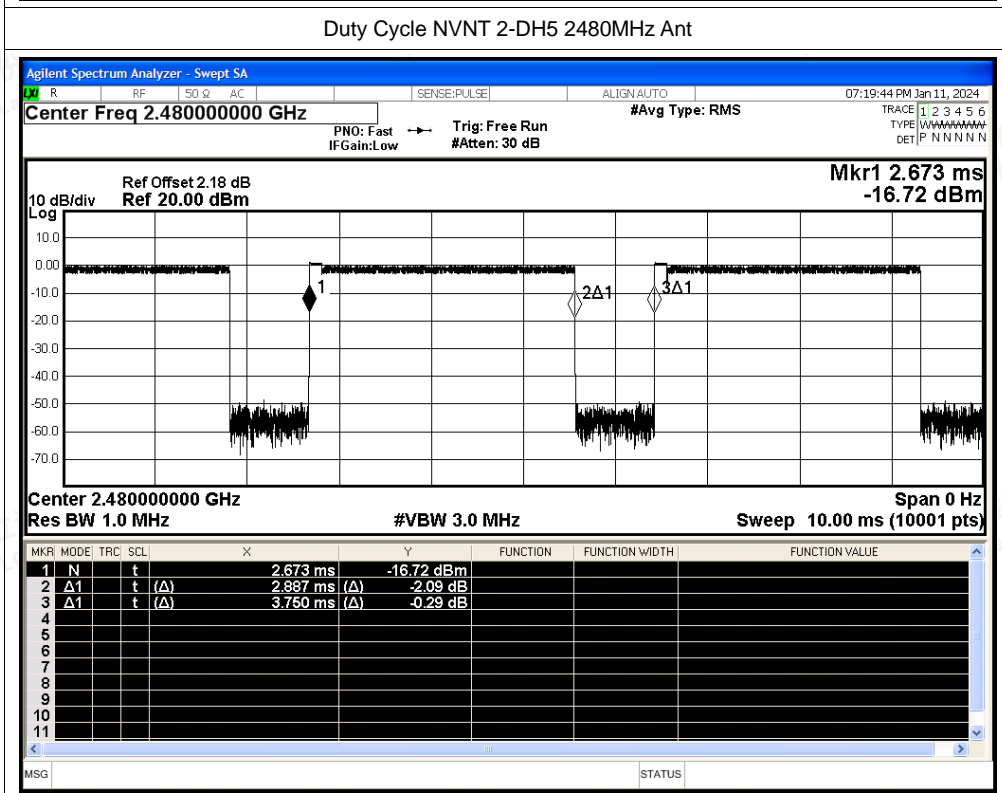




Duty Cycle NVNT 2-DH5 2441MHz Ant

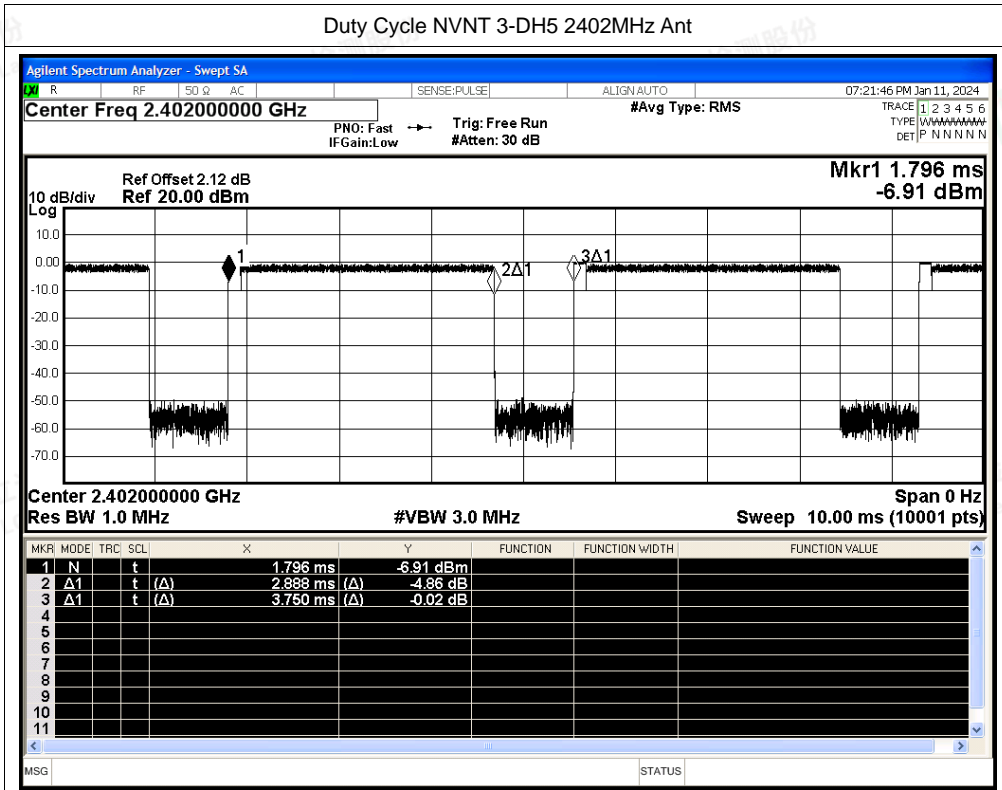


Duty Cycle NVNT 2-DH5 2480MHz Ant

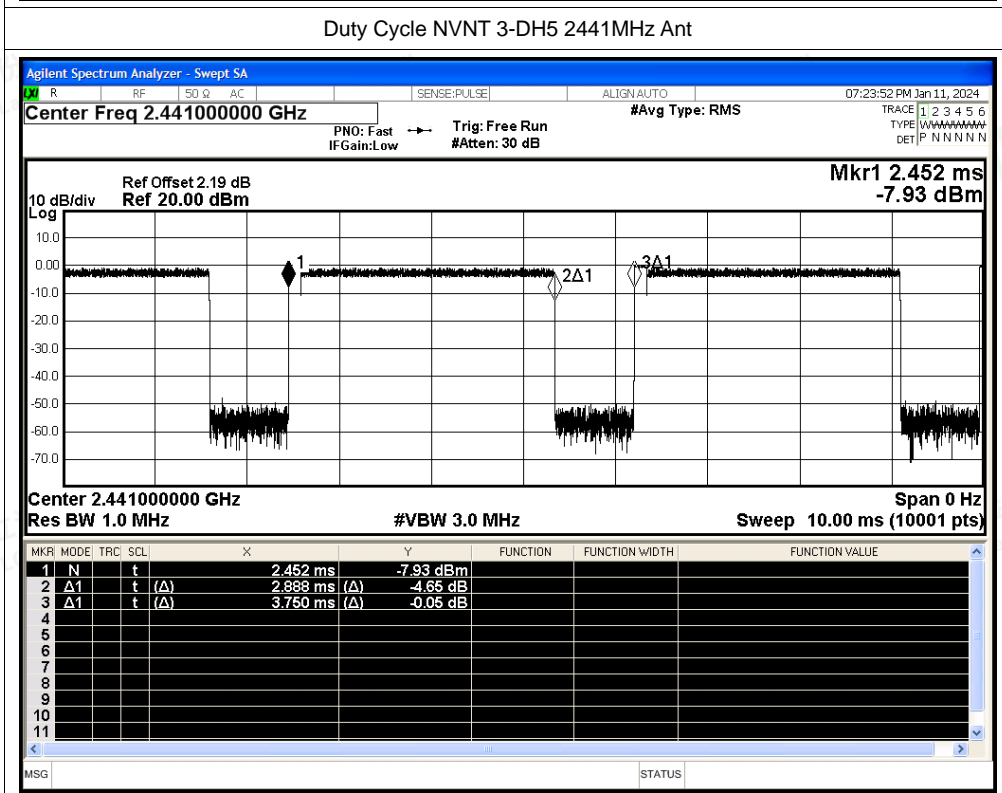


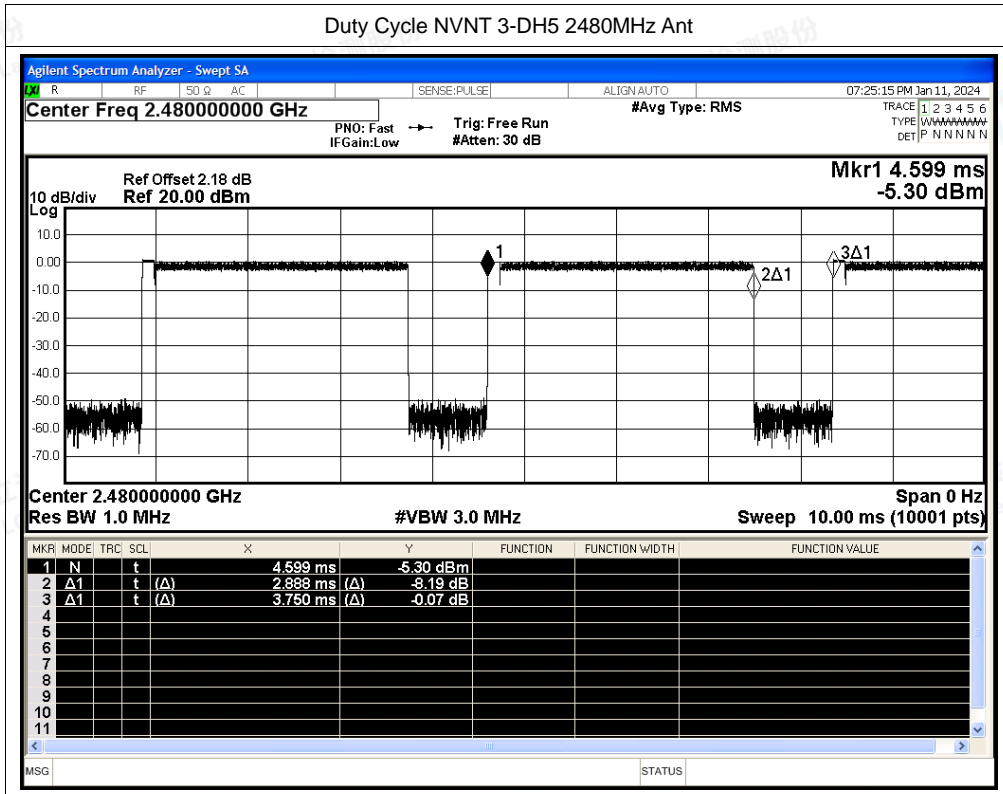


Duty Cycle NVNT 3-DH5 2402MHz Ant



Duty Cycle NVNT 3-DH5 2441MHz Ant







A.9 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant	No-Hopping	2310	-51.34	2	-	45.92	Peak	74	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2310	-58.58	2	1.14	39.82	Average	54	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2379.6	-47.57	2	-	49.69	Peak	74	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2377.296	-57.52	2	1.14	40.88	Average	54	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2390	-51.02	2	-	46.24	Peak	74	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2390	-58.31	2	1.14	40.09	Average	54	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2483.5	-50.29	2	-	46.97	Peak	74	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2483.5	-57.66	2	1.14	40.74	Average	54	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2488.672	-47	2	-	50.26	Peak	74	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2484.736	-57.08	2	1.14	41.32	Average	54	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2500	-48.19	2	-	49.07	Peak	74	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2500	-57.78	2	1.14	40.62	Average	54	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2310	-50.42	2	-	46.84	Peak	74	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2310	-58.71	2	1.14	39.69	Average	54	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2381.52	-47.44	2	-	49.82	Peak	74	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2383.728	-57.36	2	1.14	41.04	Average	54	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2390	-50.52	2	-	46.74	Peak	74	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2390	-58.76	2	1.14	39.64	Average	54	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2483.5	-49.06	2	-	48.2	Peak	74	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2483.5	-57.78	2	1.14	40.62	Average	54	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2485.048	-47	2	-	50.26	Peak	74	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2496.952	-56.81	2	1.14	41.59	Average	54	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2500	-49.39	2	-	47.87	Peak	74	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2500	-57.9	2	1.14	40.5	Average	54	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2310	-50.71	2	-	46.55	Peak	74	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2310	-58.59	2	1.13	39.8	Average	54	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2388.432	-47.52	2	-	49.74	Peak	74	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2383.344	-57.52	2	1.13	40.87	Average	54	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2390	-49.08	2	-	48.18	Peak	74	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2390	-58.23	2	1.13	40.16	Average	54	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2483.5	-48.54	2	-	48.72	Peak	74	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2483.5	-57.69	2	1.13	40.7	Average	54	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2494.672	-46.25	2	-	51.01	Peak	74	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2493.496	-57.2	2	1.13	41.19	Average	54	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2500	-49.08	2	-	48.18	Peak	74	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2500	-58.38	2	1.13	40.01	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

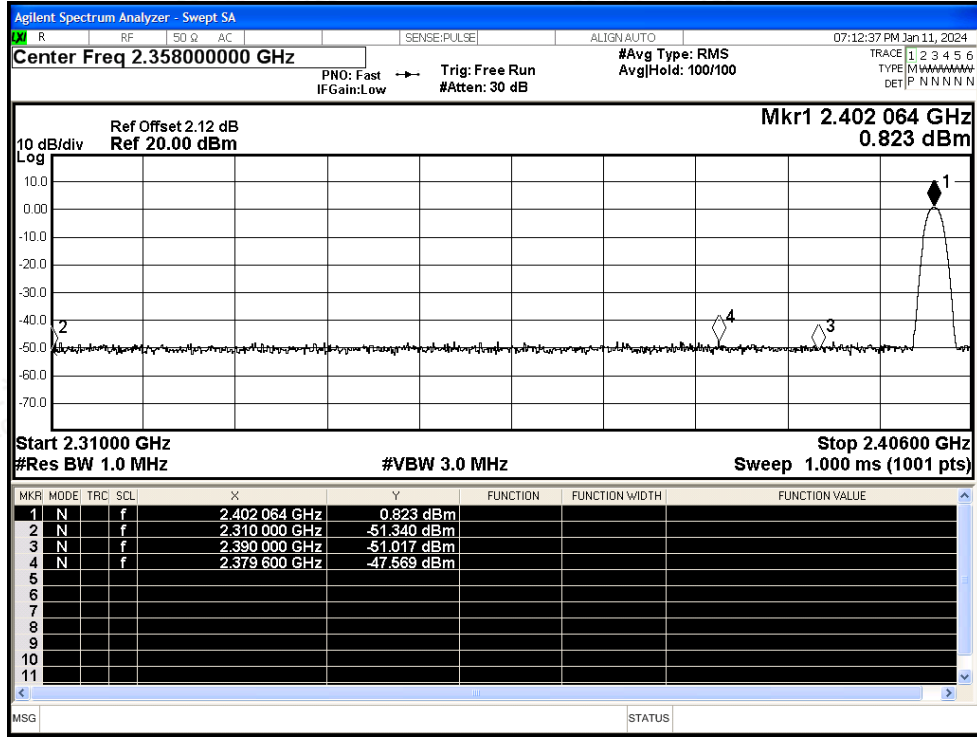
Scan code to check authenticity



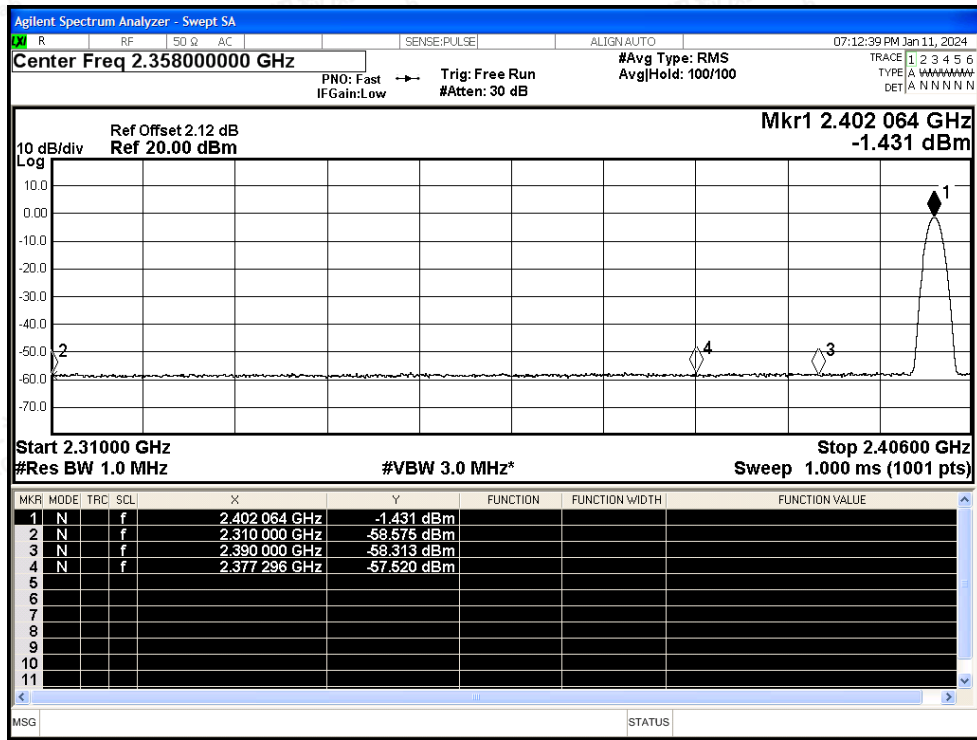


Test Graphs

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

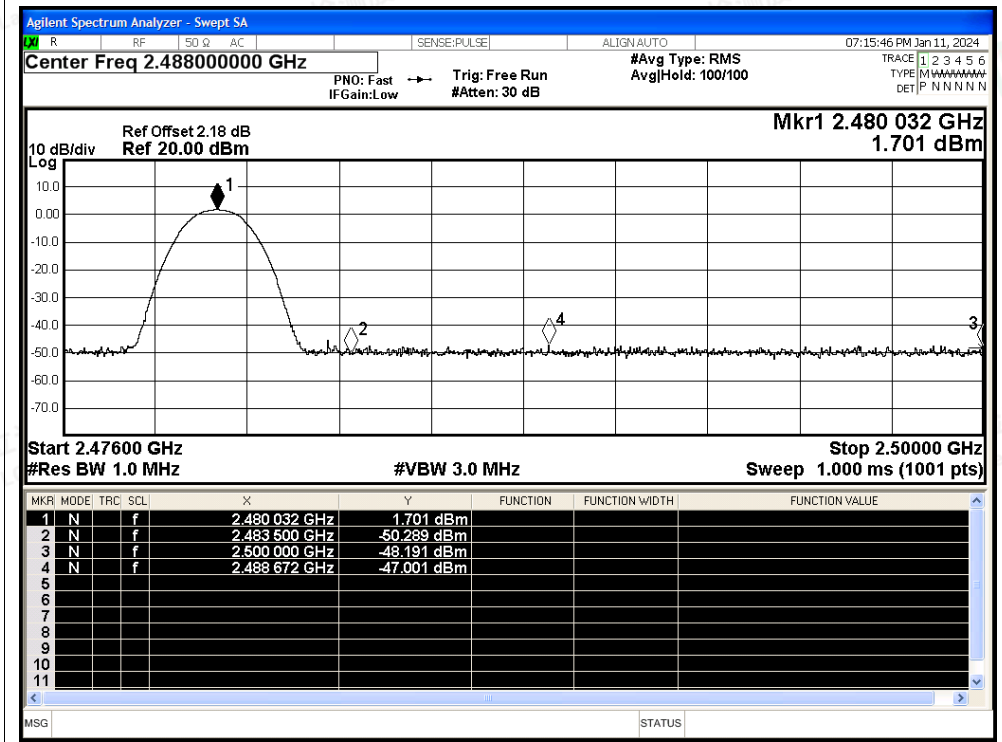


Restrict Band NVNT 1-DH5 2402MHz Ant No-Hopping Average

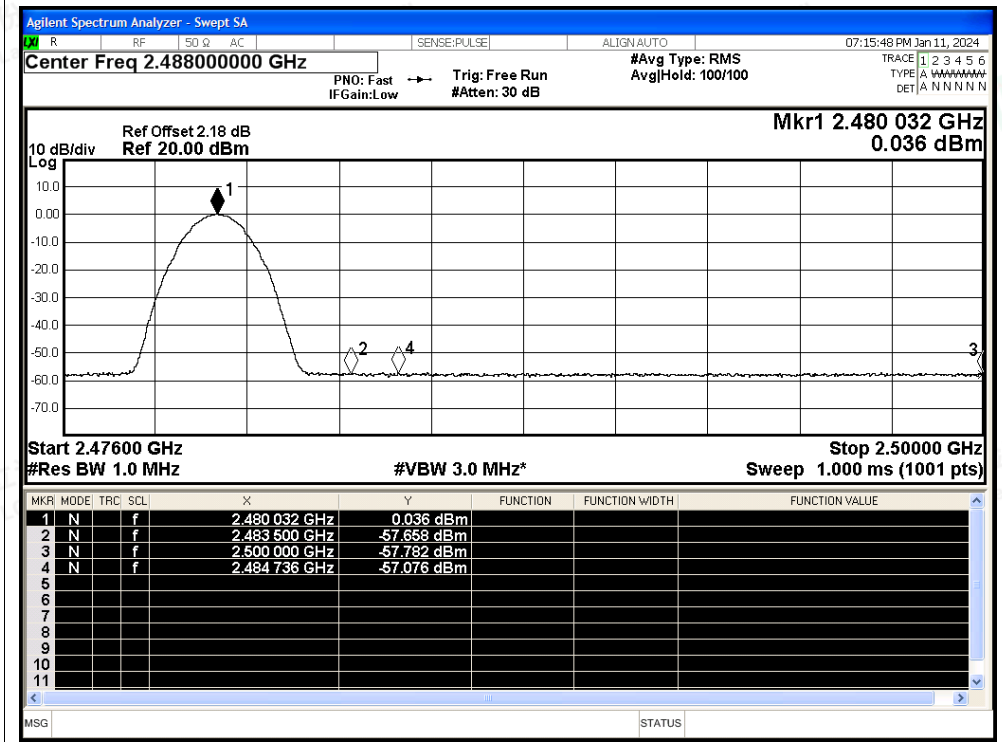




Restrict Band NVNT 1-DH5 2480MHz Ant No-Hopping Peak

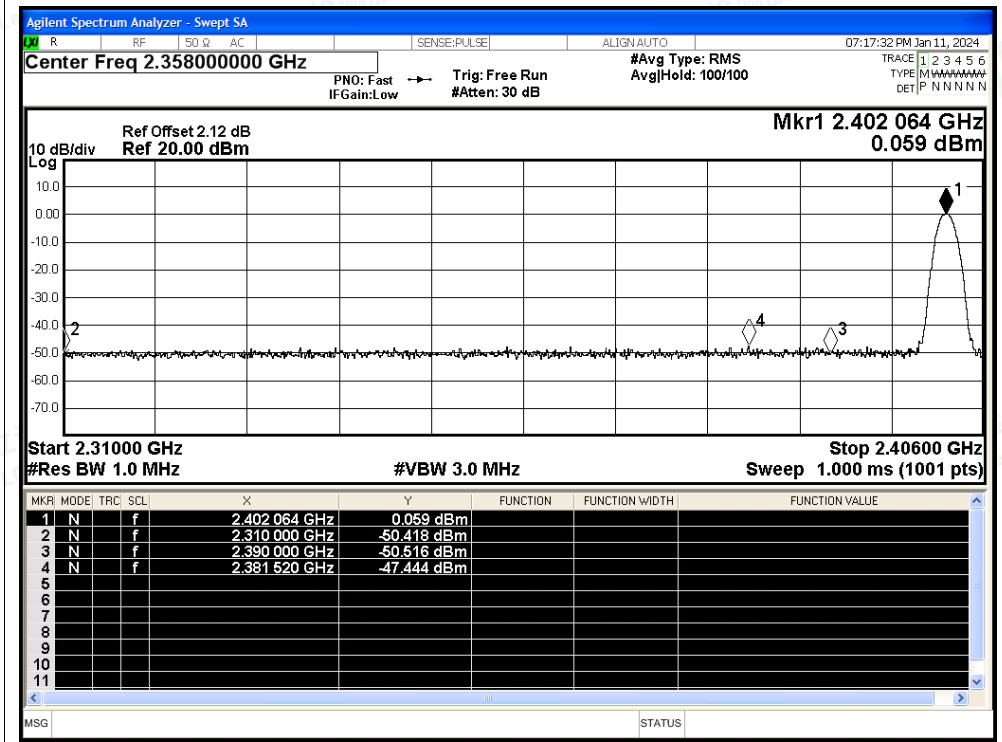


Restrict Band NVNT 1-DH5 2480MHz Ant No-Hopping Average

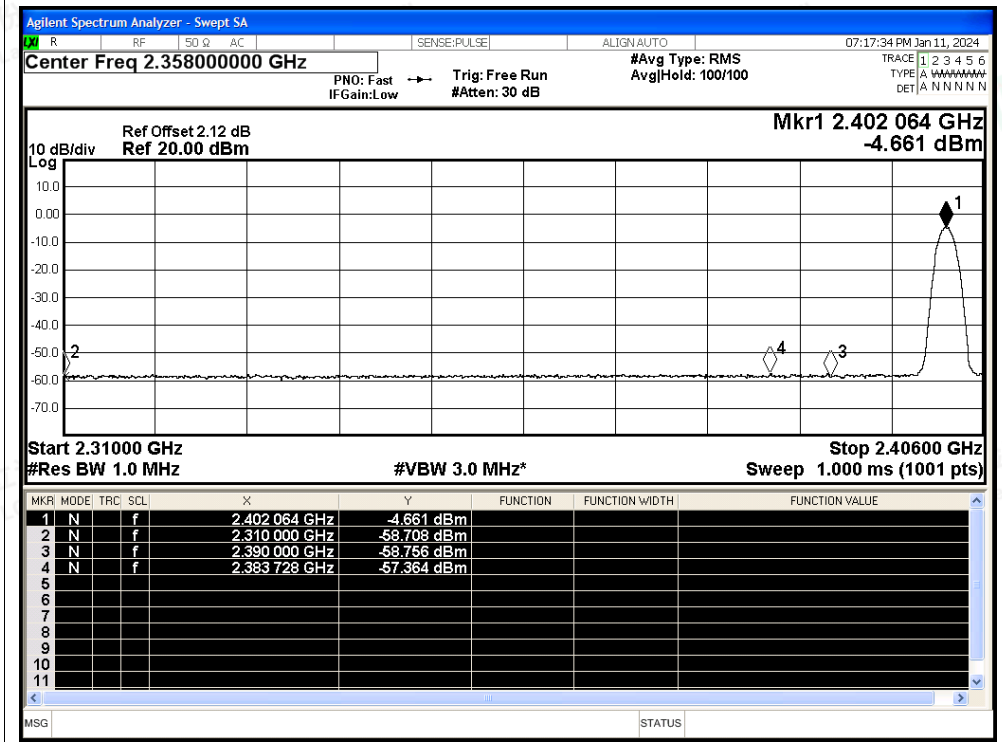




Restrict Band NVNT 2-DH5 2402MHz Ant No-Hopping Peak

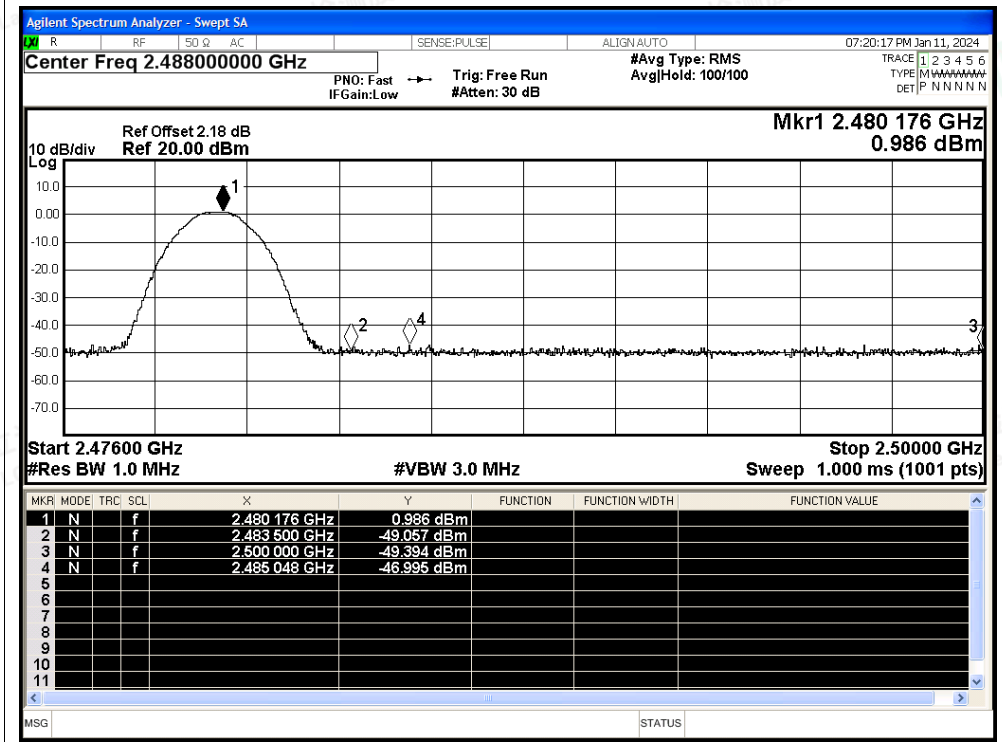


Restrict Band NVNT 2-DH5 2402MHz Ant No-Hopping Average

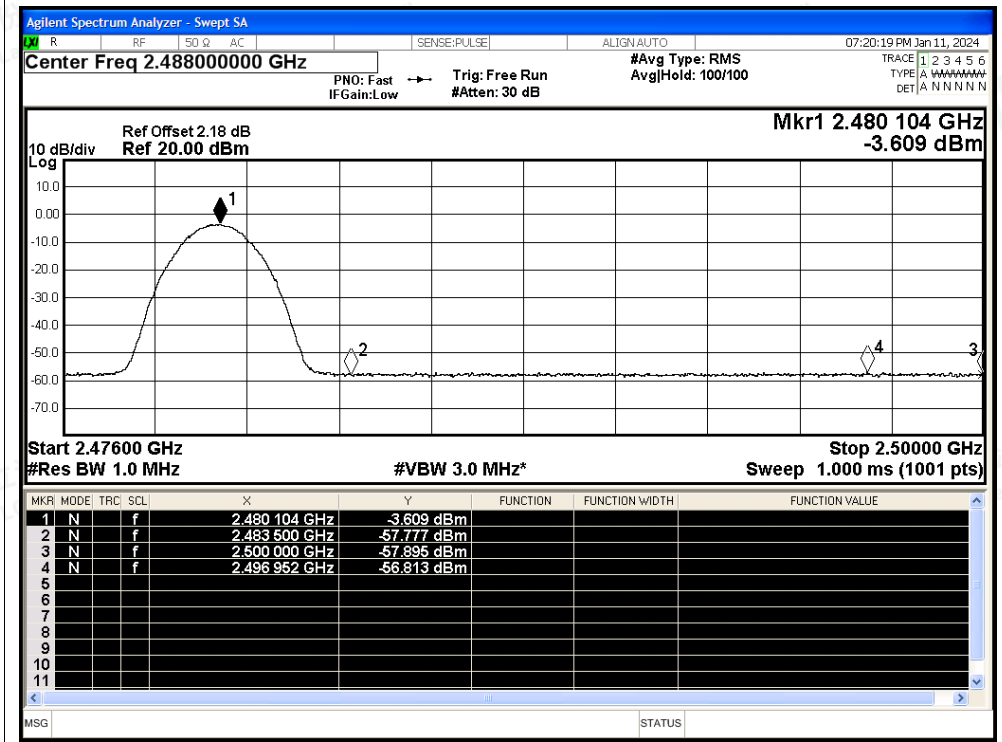




Restrict Band NVNT 2-DH5 2480MHz Ant No-Hopping Peak

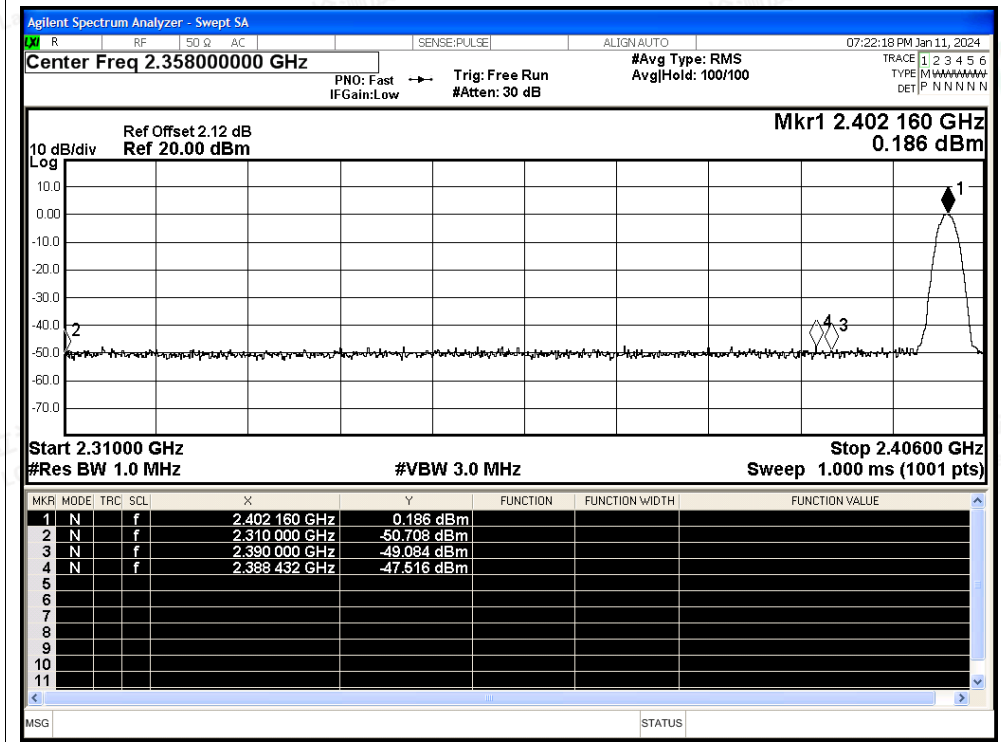


Restrict Band NVNT 2-DH5 2480MHz Ant No-Hopping Average

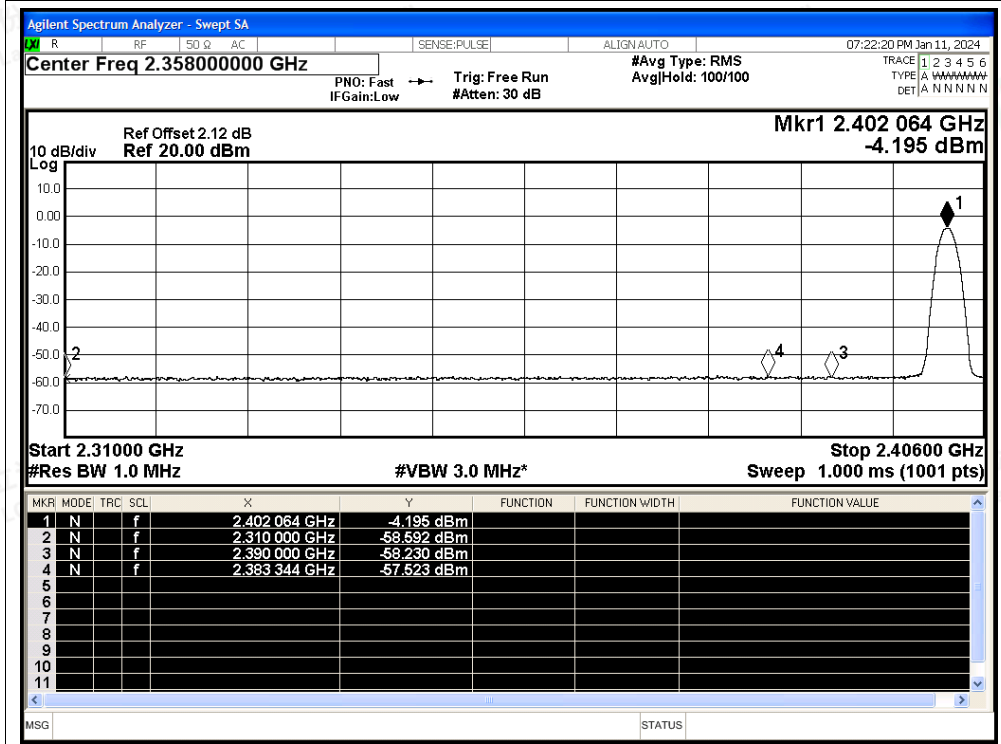




Restrict Band NVNT 3-DH5 2402MHz Ant No-Hopping Peak

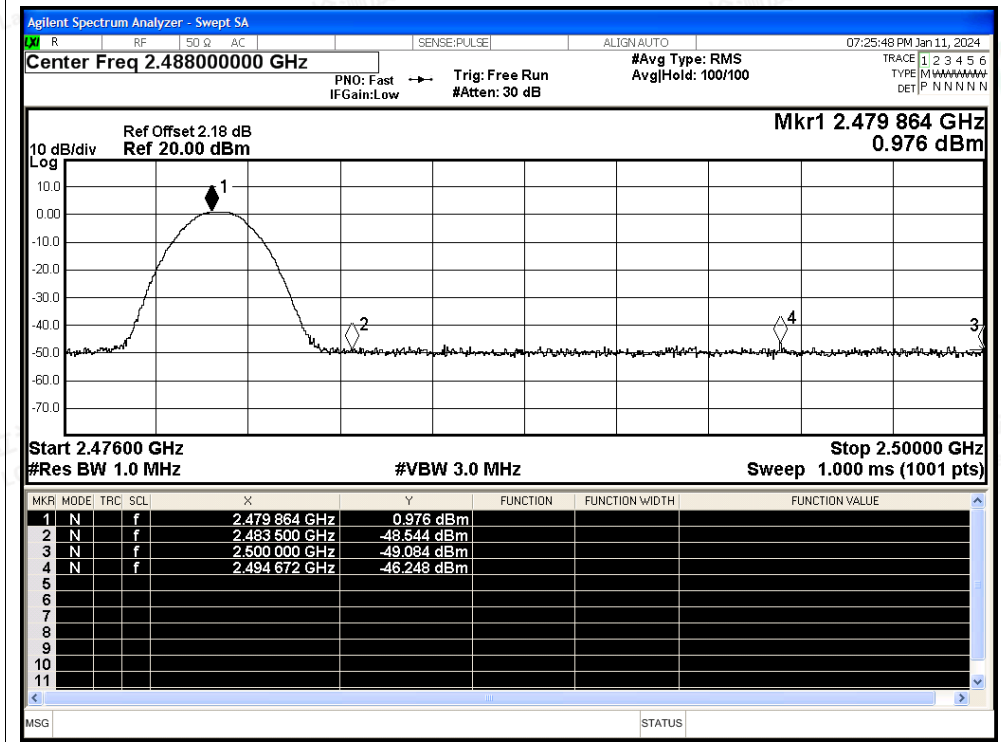


Restrict Band NVNT 3-DH5 2402MHz Ant No-Hopping Average





Restrict Band NVNT 3-DH5 2480MHz Ant No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant No-Hopping Average

