



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: 14.0 inch Notebook with Windows OS

Test Model: SC-5514WNB

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
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	0.84	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.848	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.842	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.261	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.272	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.26	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.267	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.281	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.301	N/A	Pass

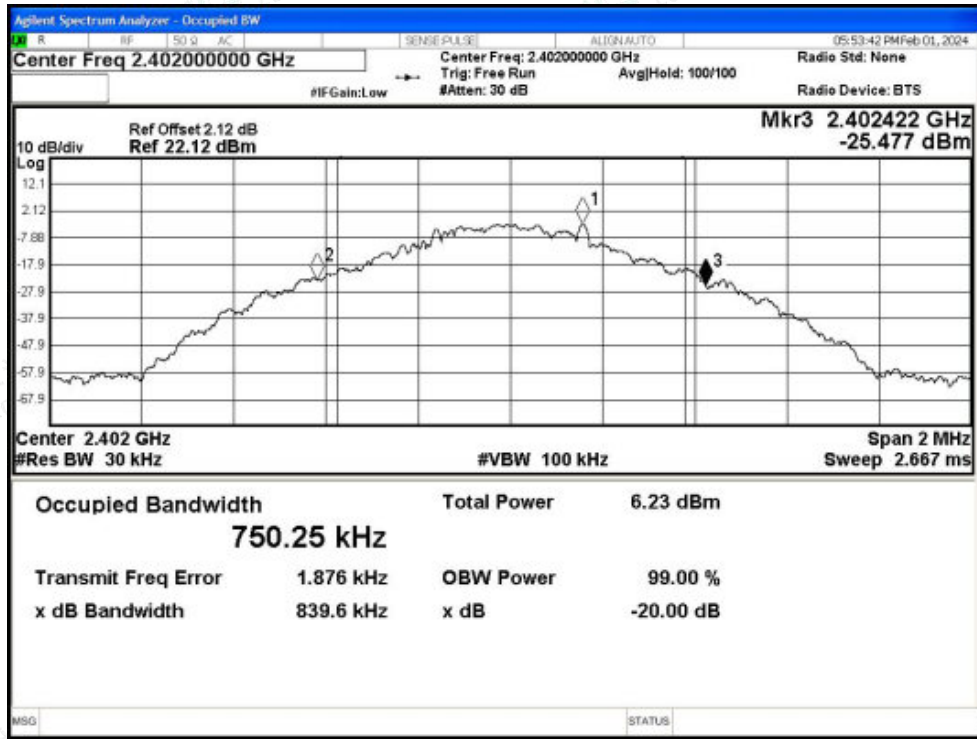


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

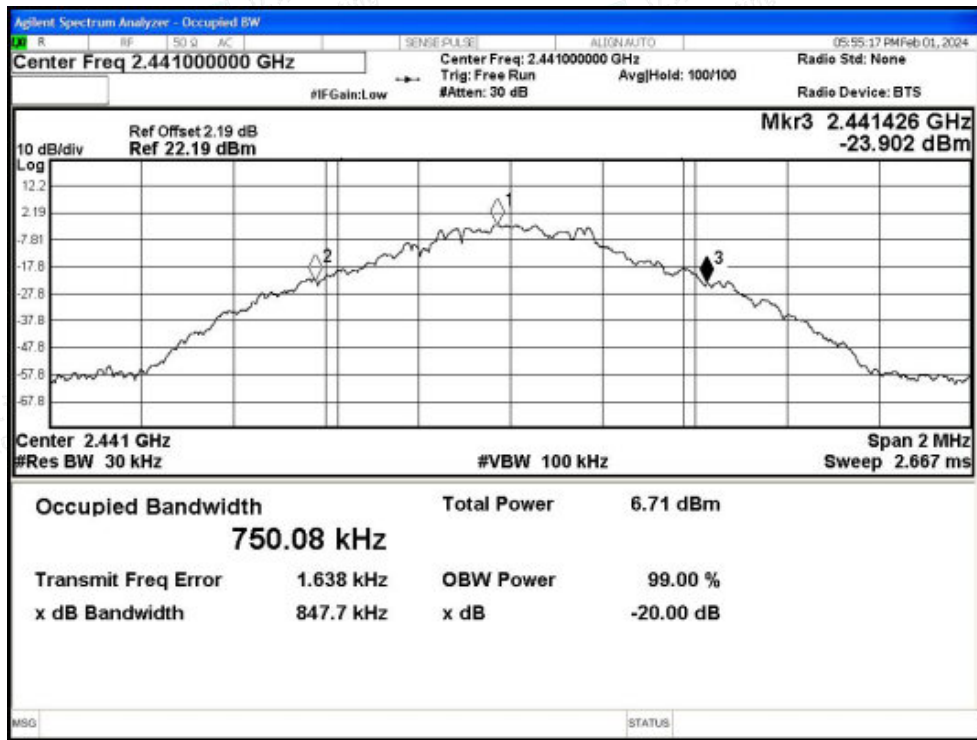


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

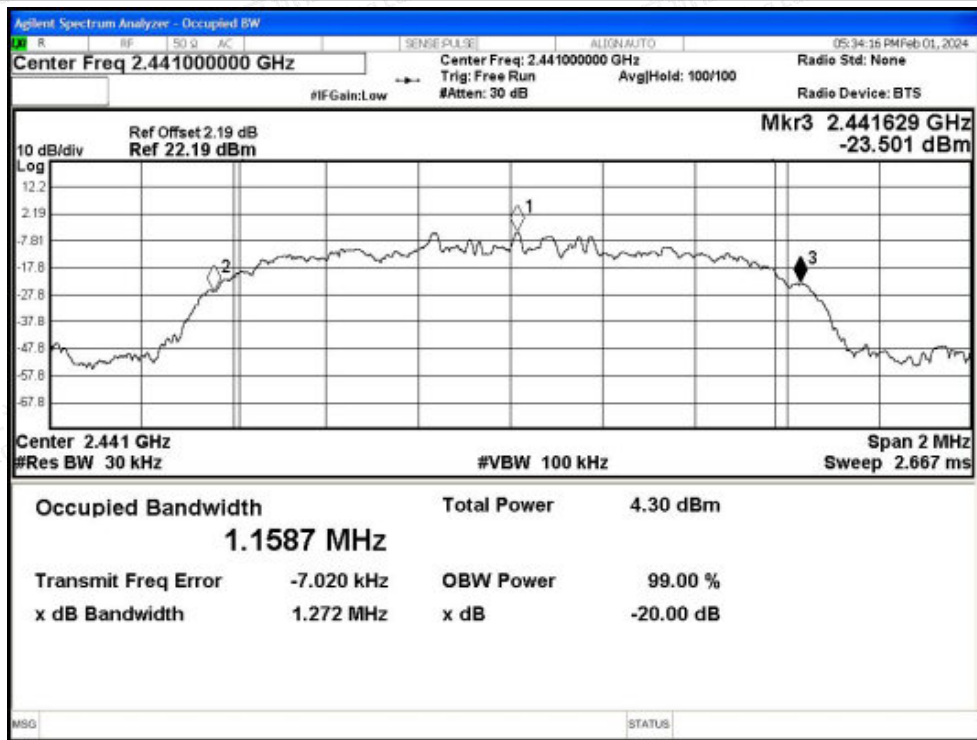


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1





-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

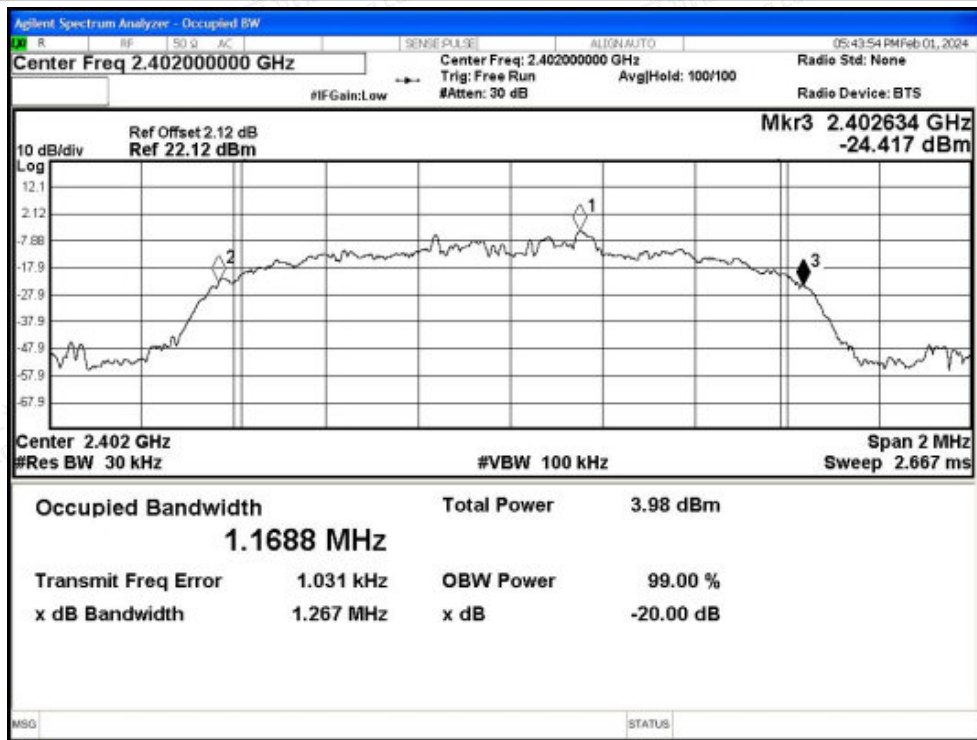


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

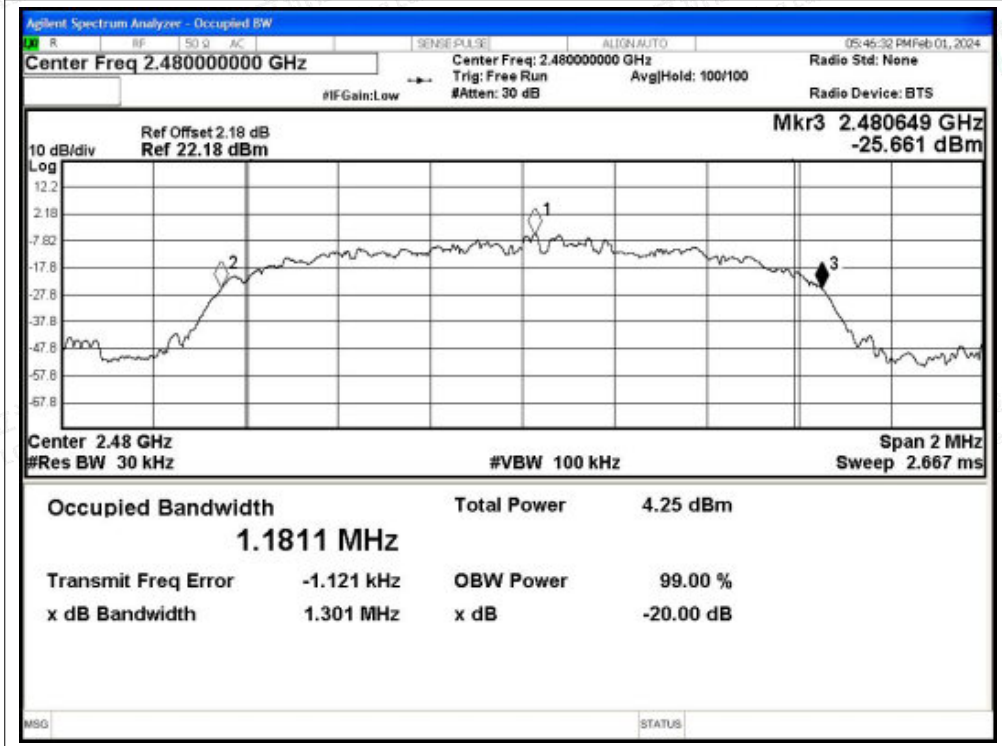


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

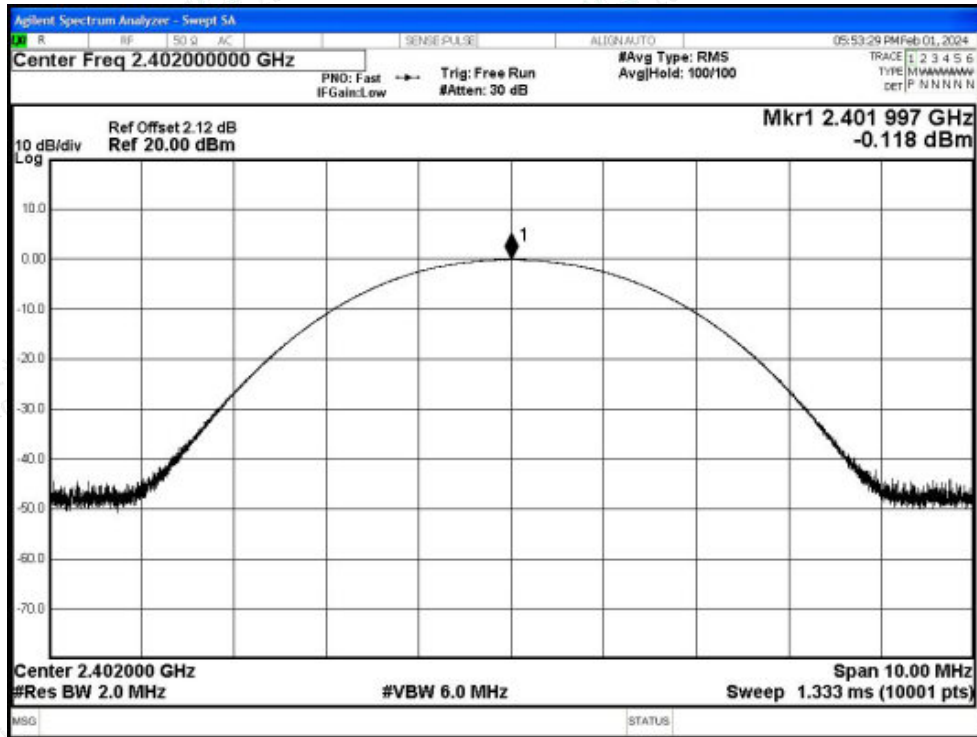
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.12	21	Pass
NVNT	1-DH5	2441	Ant1	0.34	21	Pass
NVNT	1-DH5	2480	Ant1	0.55	21	Pass
NVNT	2-DH5	2402	Ant1	-0.92	21	Pass
NVNT	2-DH5	2441	Ant1	-0.5	21	Pass
NVNT	2-DH5	2480	Ant1	-0.23	21	Pass
NVNT	3-DH5	2402	Ant1	-0.97	21	Pass
NVNT	3-DH5	2441	Ant1	-0.52	21	Pass
NVNT	3-DH5	2480	Ant1	-0.27	21	Pass



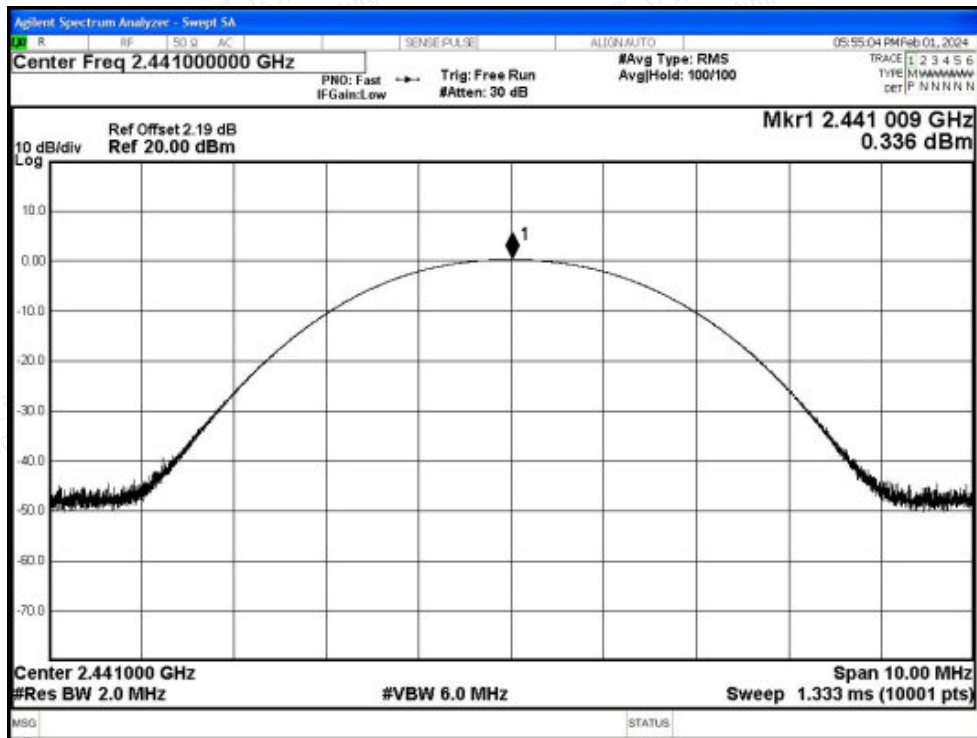


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

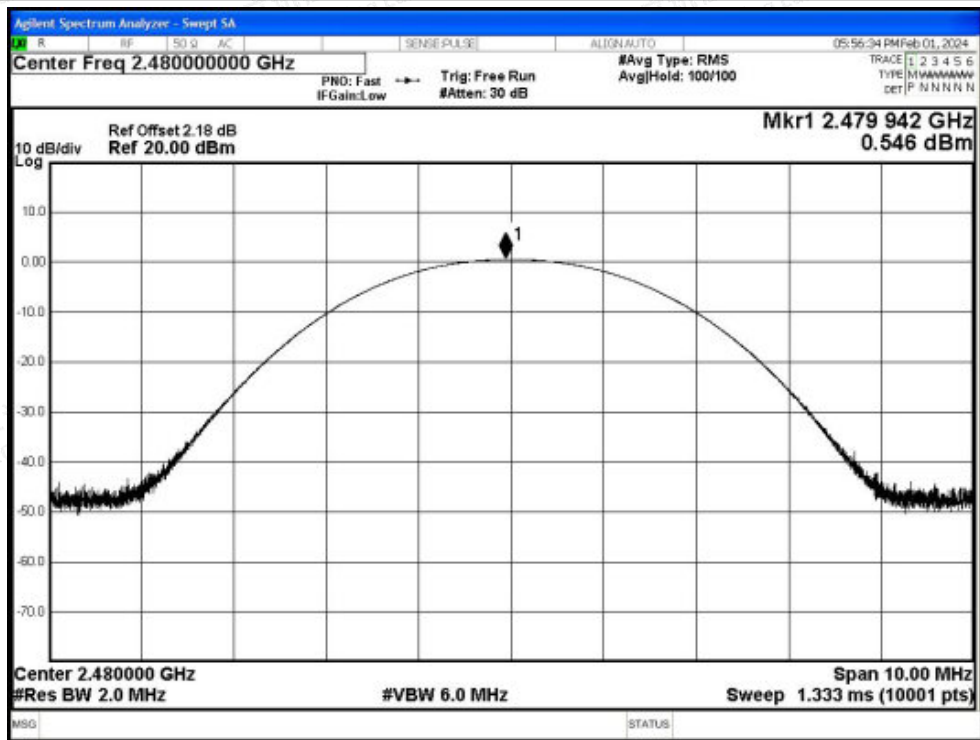


Power NVNT 1-DH5 2441MHz Ant1

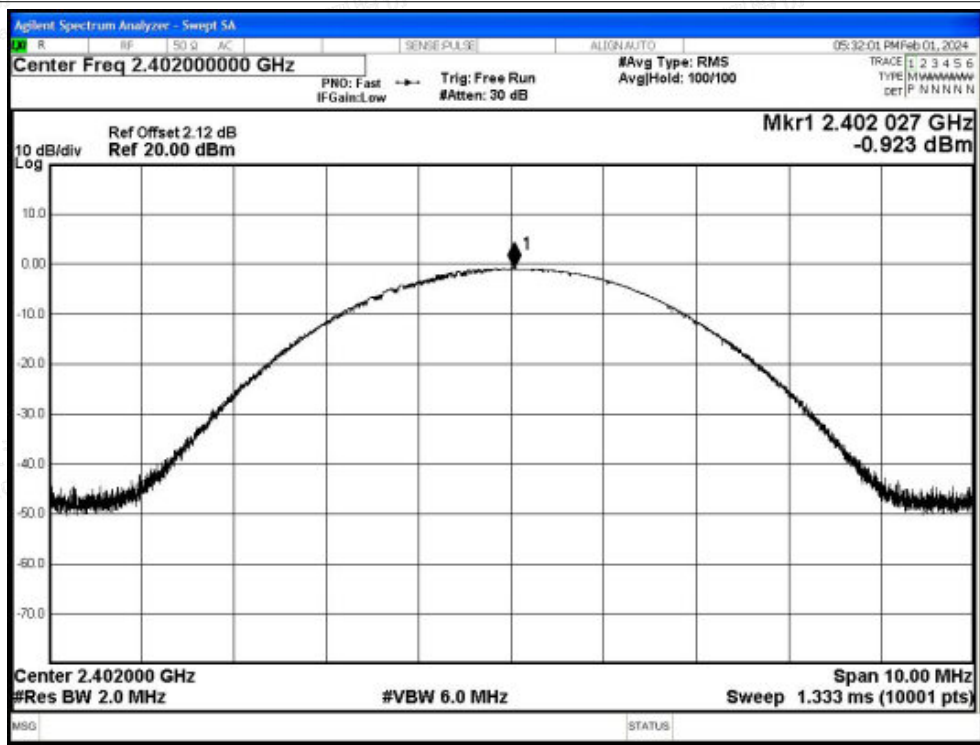




Power NVNT 1-DH5 2480MHz Ant1

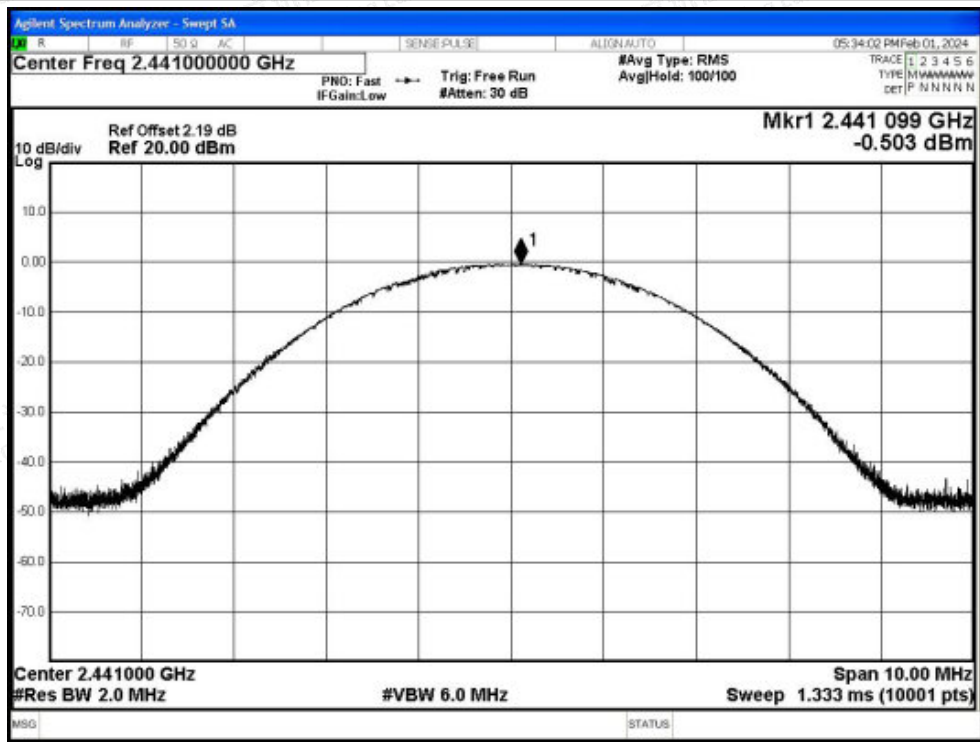


Power NVNT 2-DH5 2402MHz Ant1

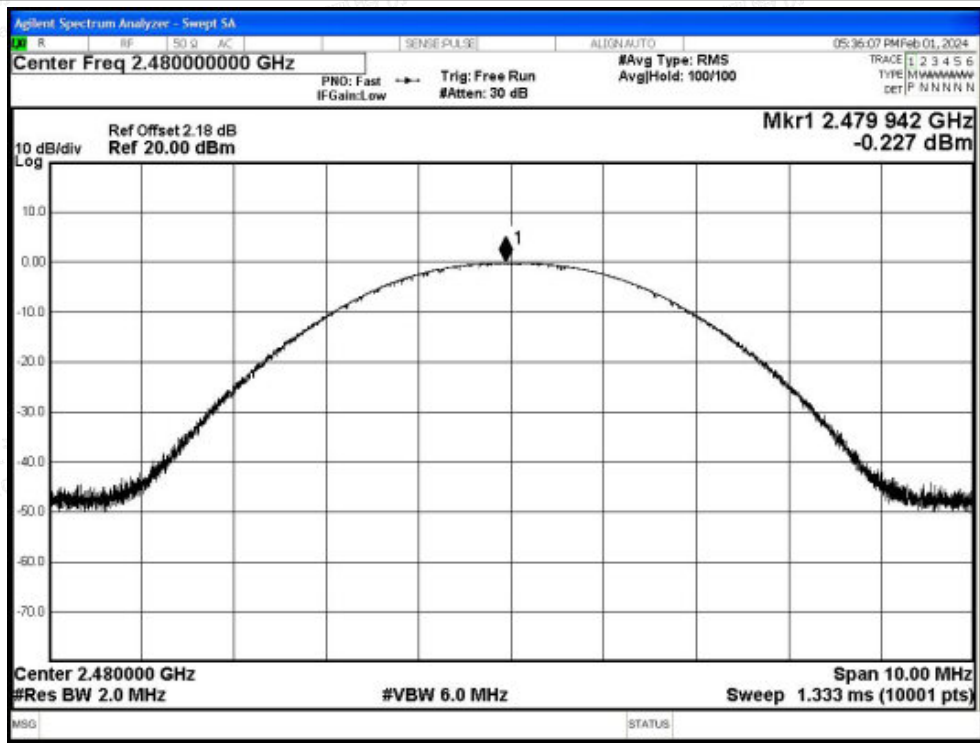




Power NVNT 2-DH5 2441MHz Ant1

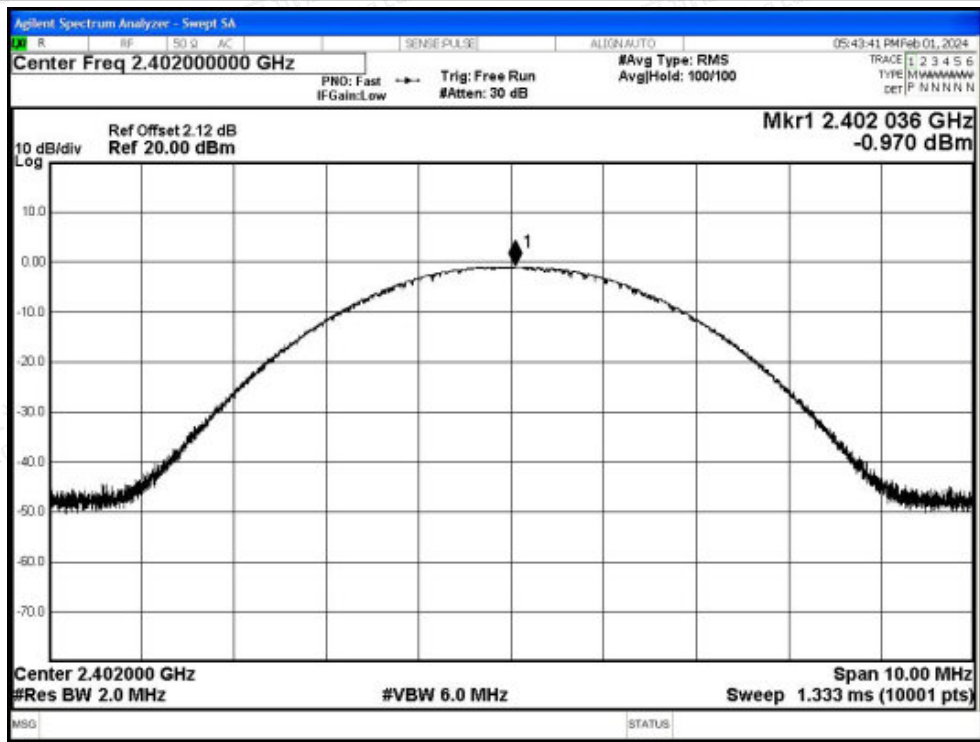


Power NVNT 2-DH5 2480MHz Ant1

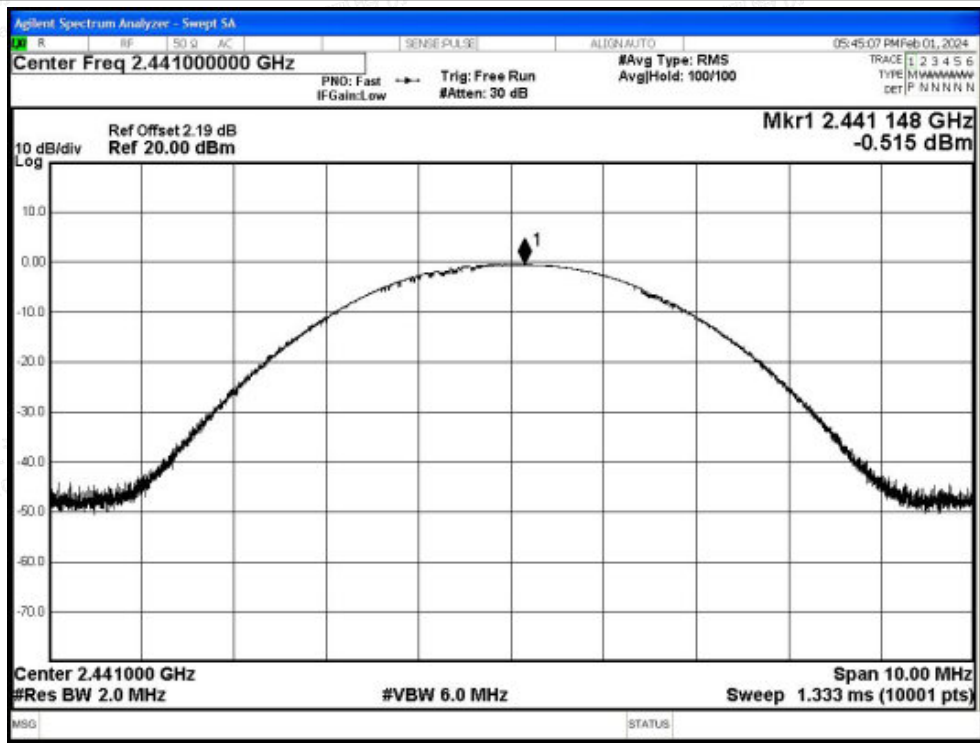




Power NVNT 3-DH5 2402MHz Ant1

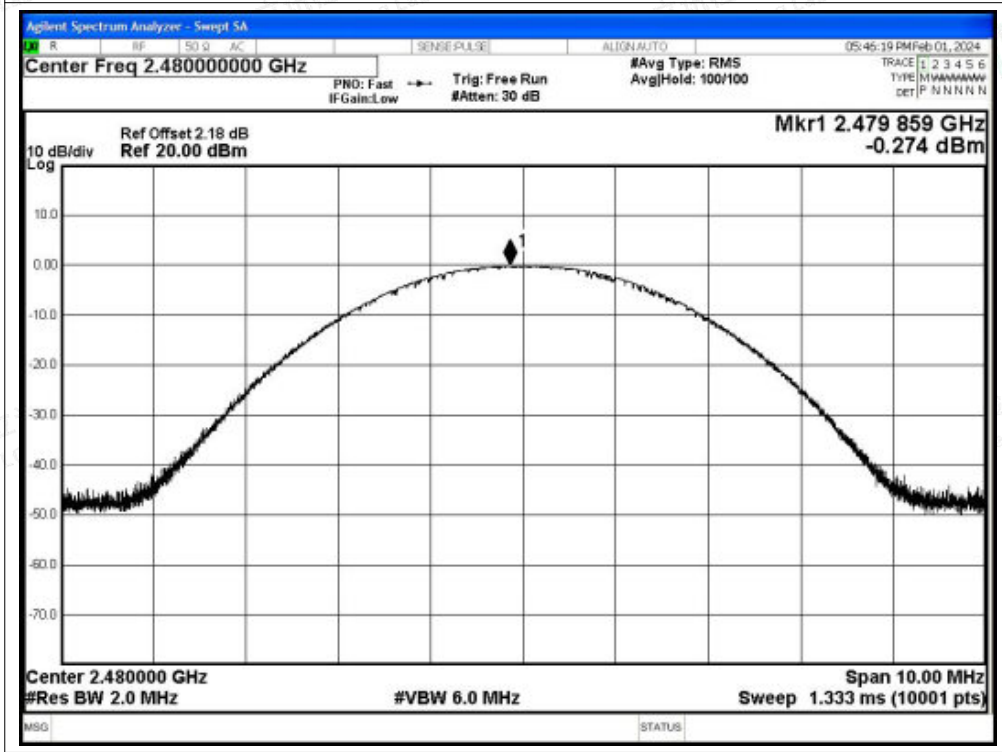


Power NVNT 3-DH5 2441MHz Ant1





Power NVNT 3-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	2401.994	2403.056	1.062	0.565	Pass
NVNT	2-DH5	Ant1	2402.166	2403.086	0.92	0.848	Pass
NVNT	3-DH5	Ant1	2402.152	2403.168	1.016	0.867	Pass

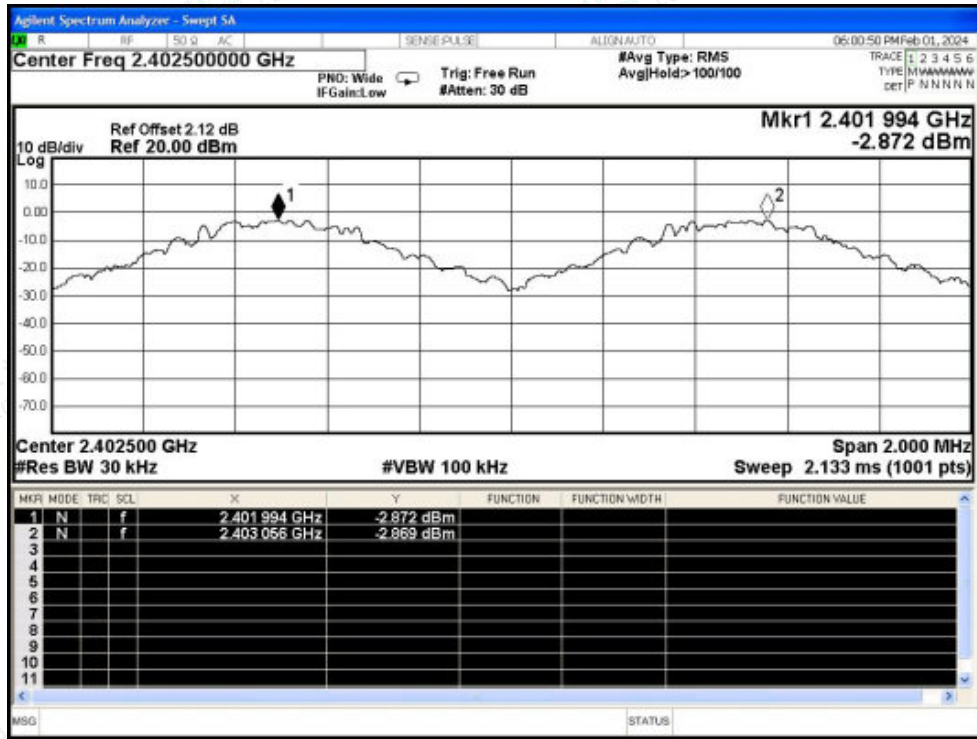


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

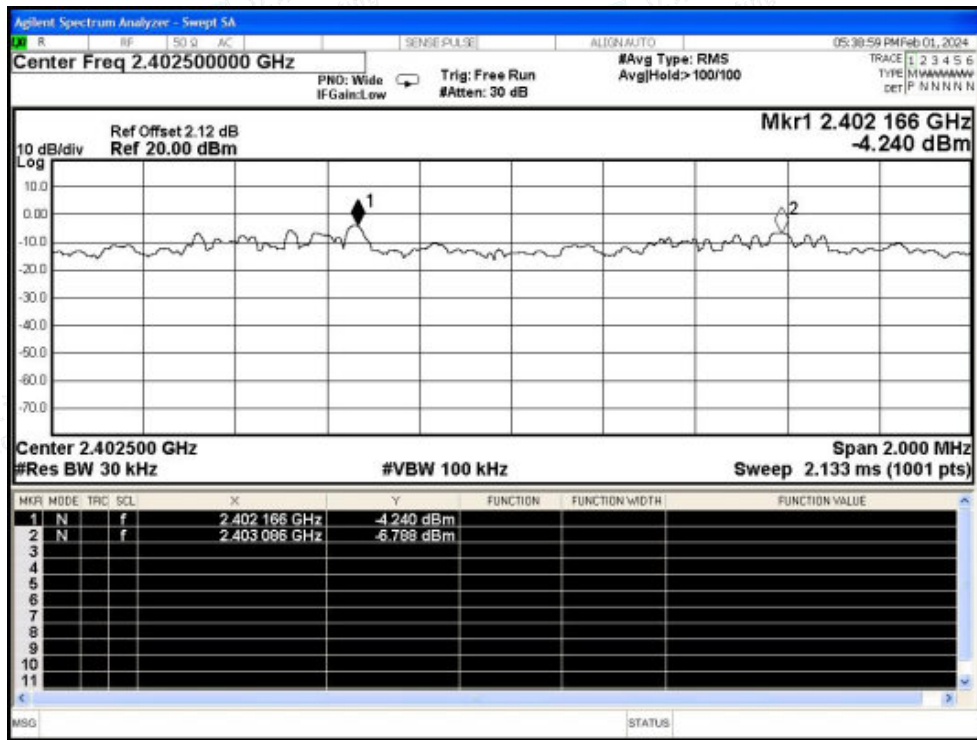


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

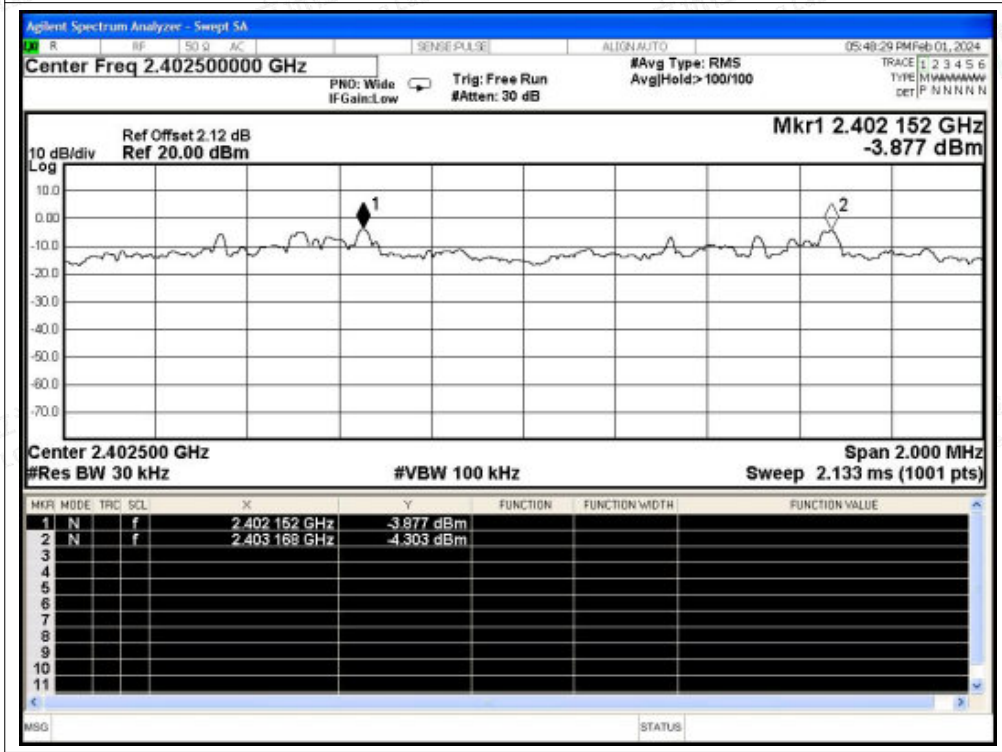


CFS NVNT 2-DH5 2402MHz Ant1





CFS NVNT 3-DH5 2402MHz Ant1





A.4 Dwell Time

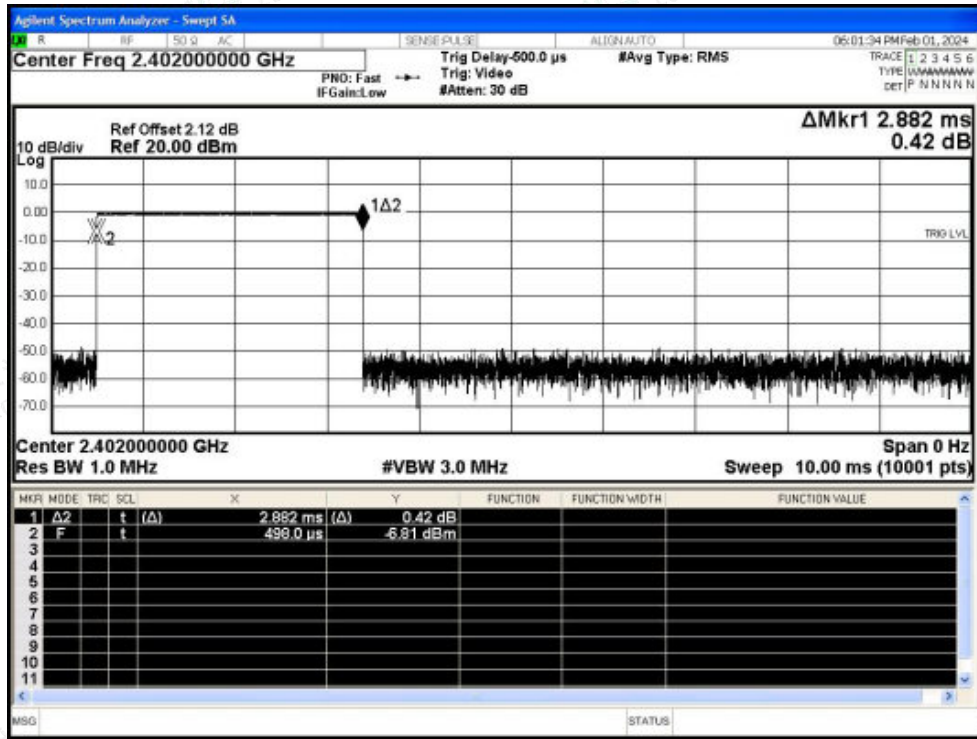
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	288.2	100	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	305.81	106	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	294.474	102	31600	400	Pass



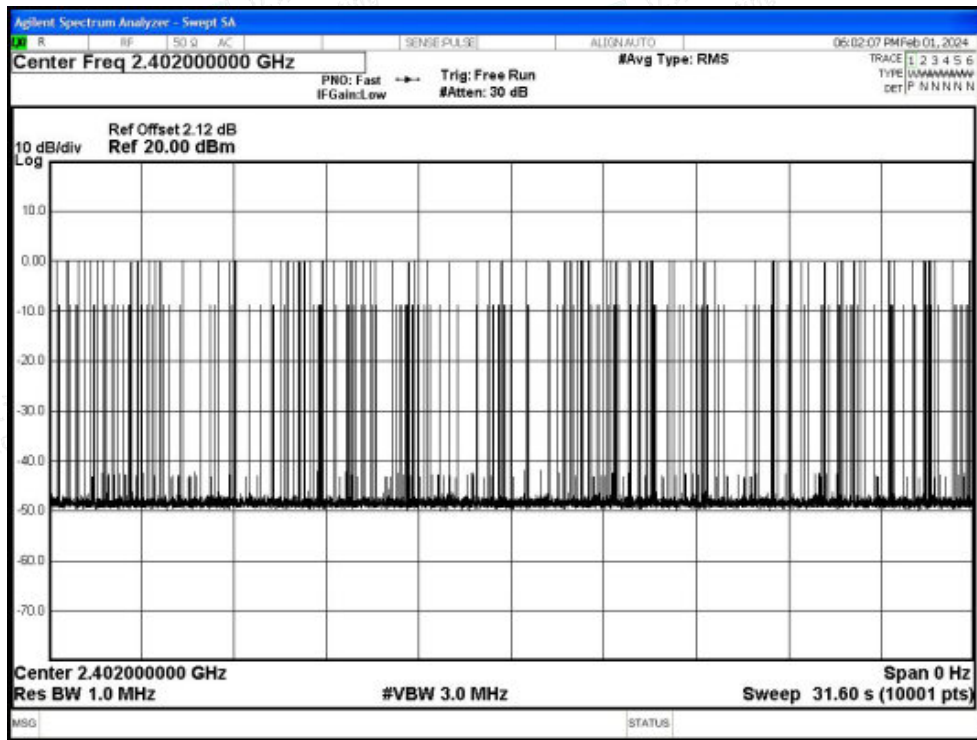


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

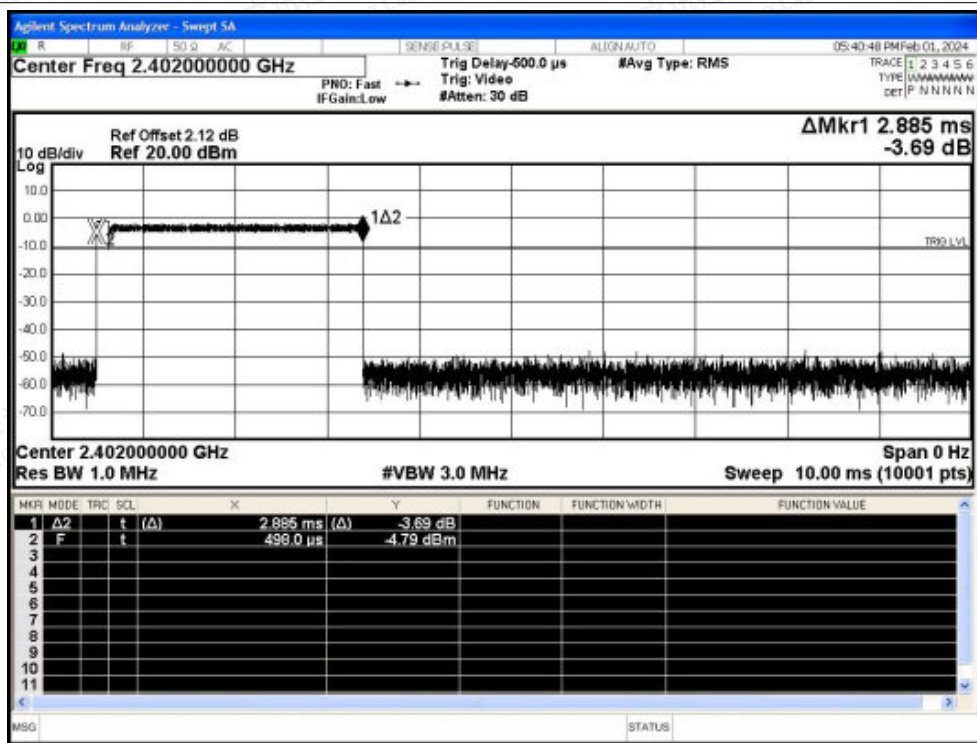


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

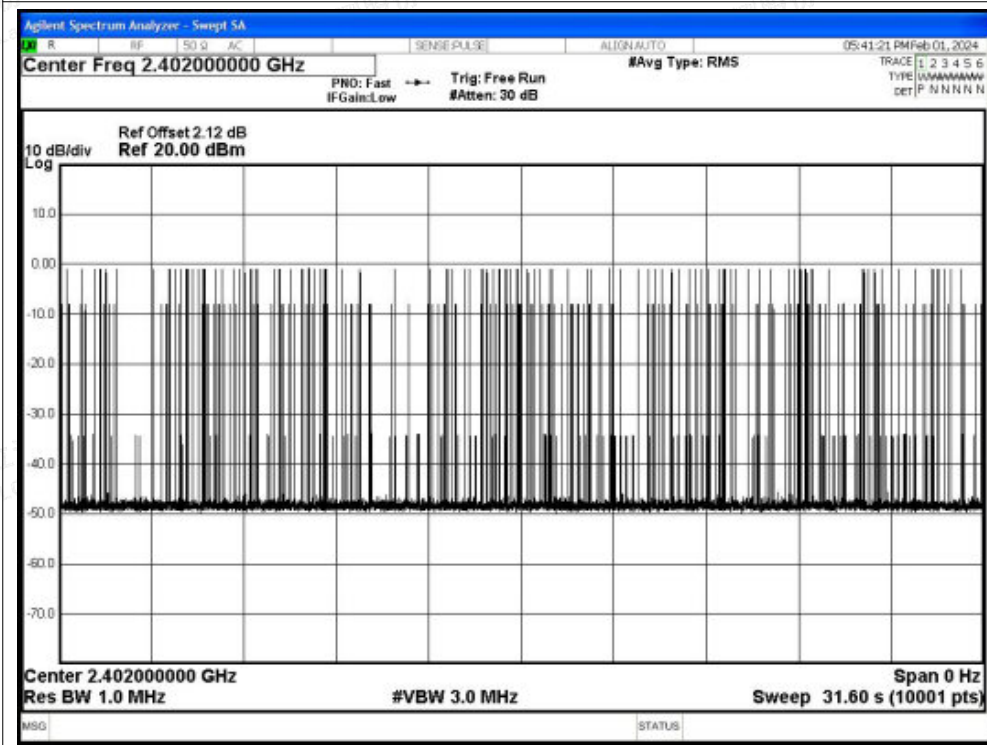




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

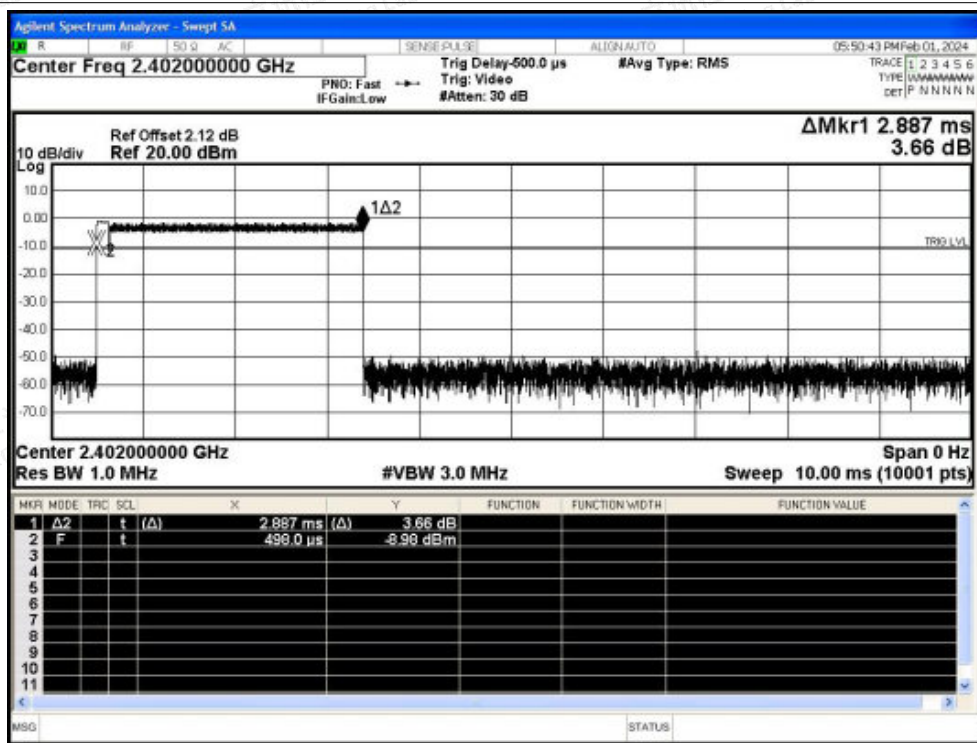


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

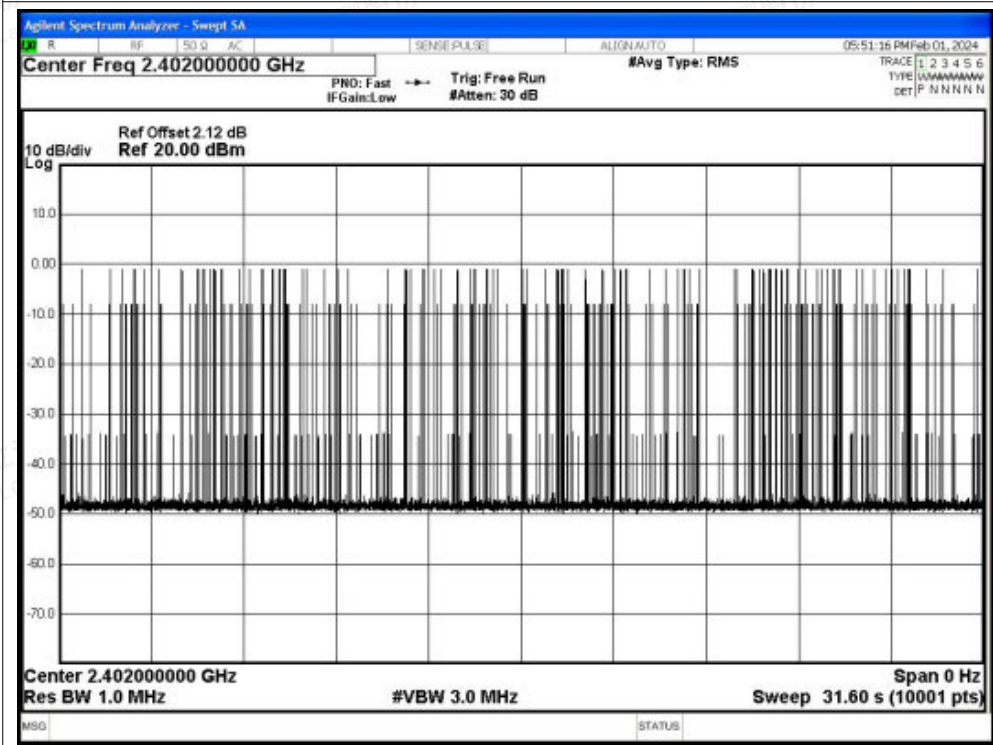




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

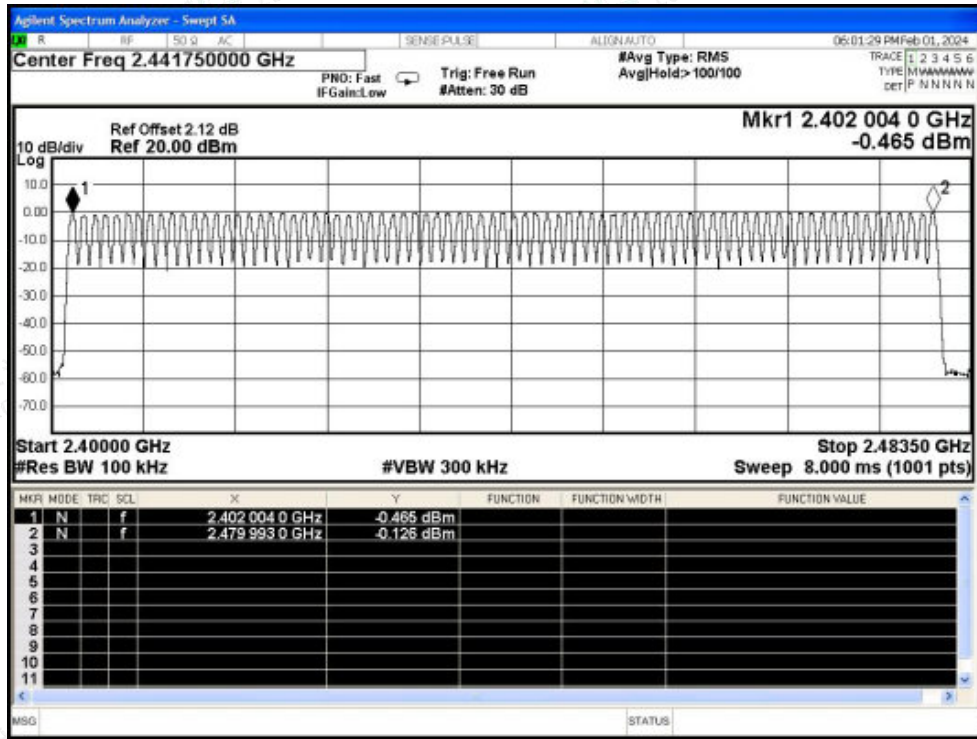
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



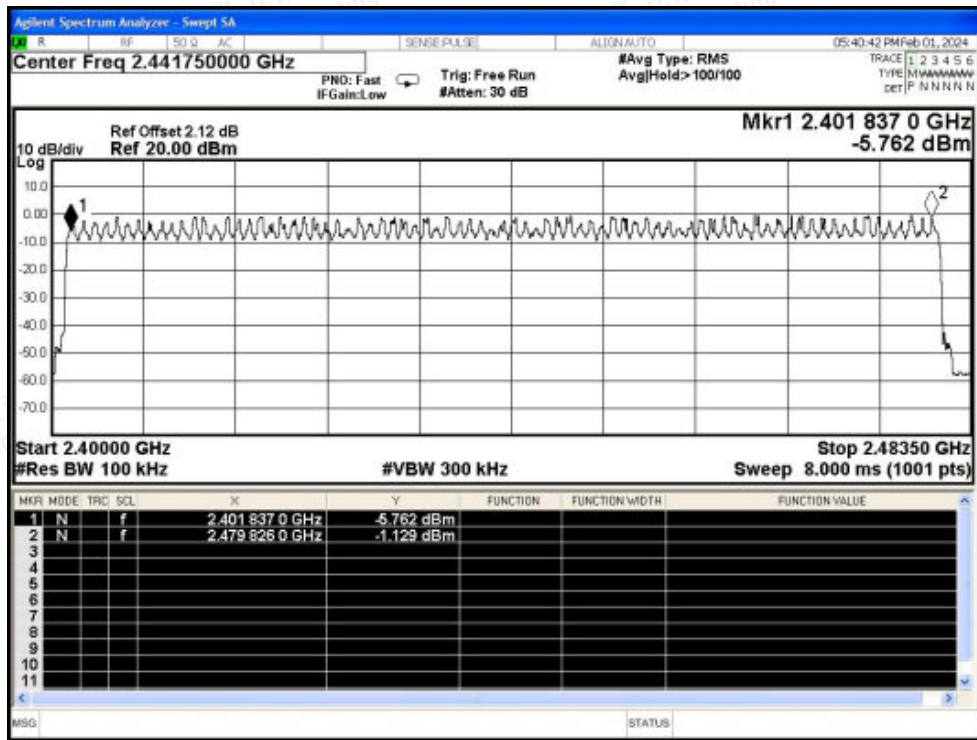


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

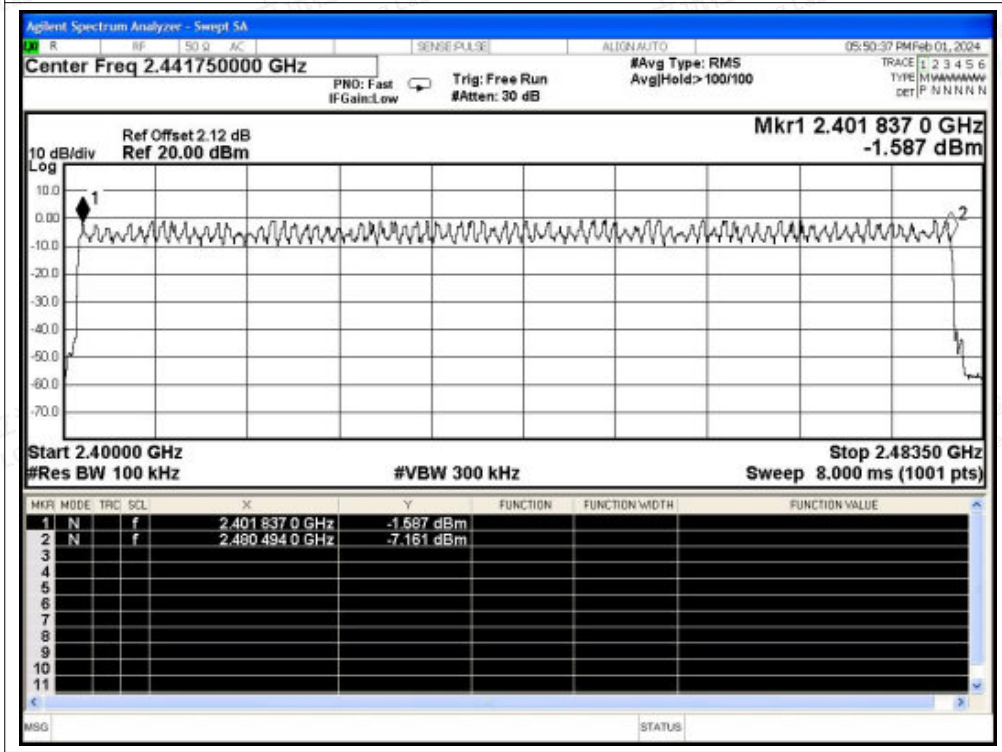


Hopping No. NVNT 2-DH5 2402MHz Ant1





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	-56.1	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.89	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-55.34	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.48	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-55.22	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-57.21	-20	Pass

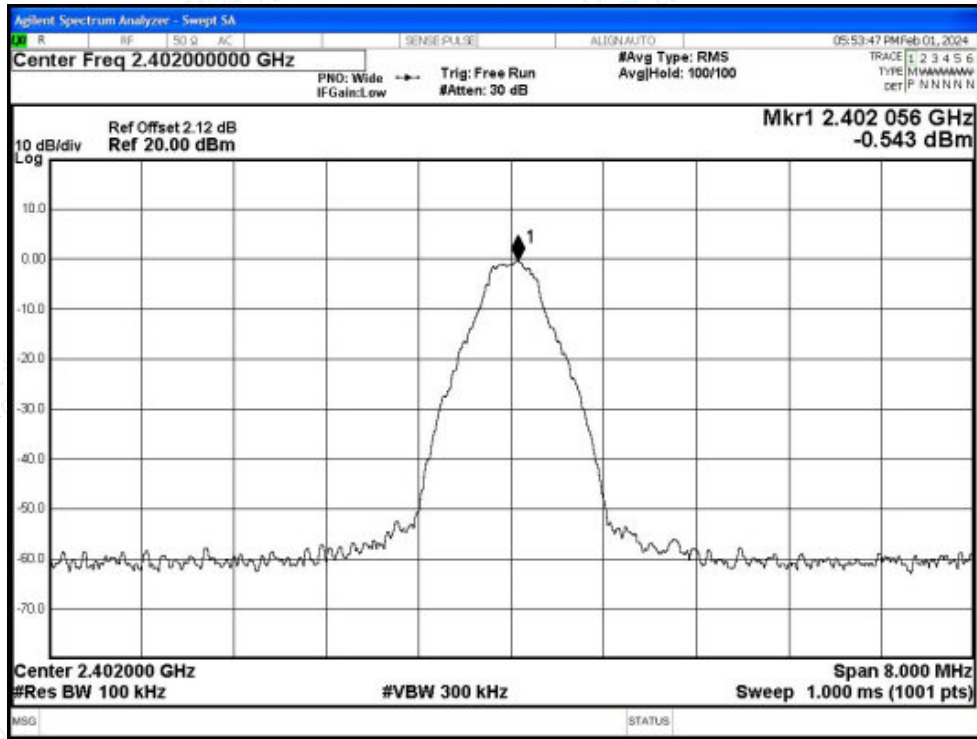


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

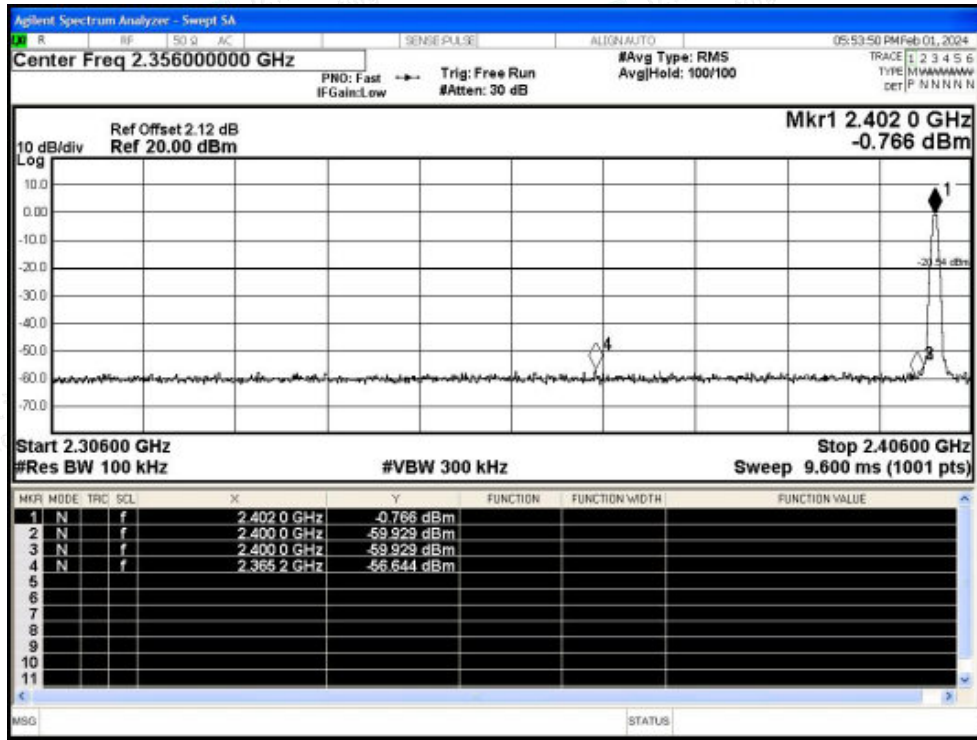


Test Graphs

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

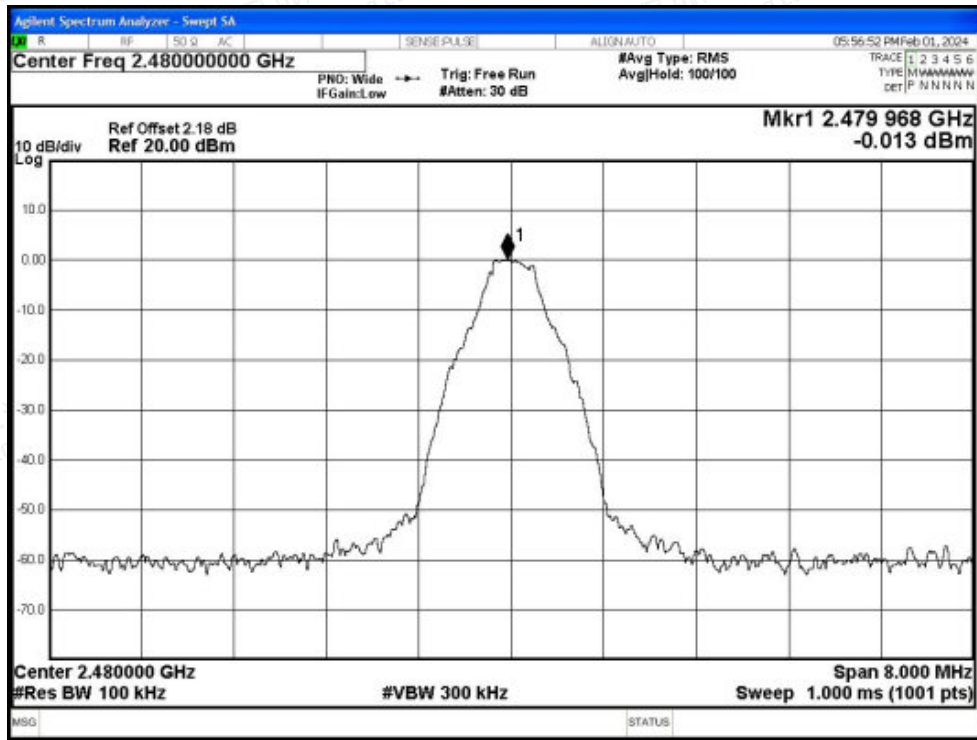


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

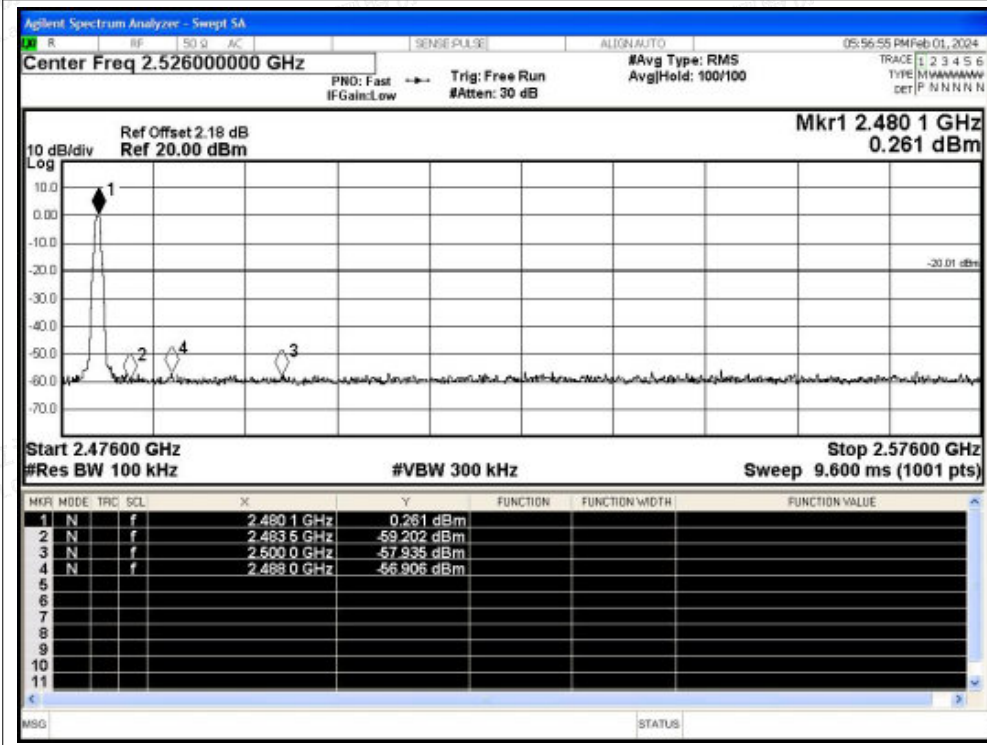




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

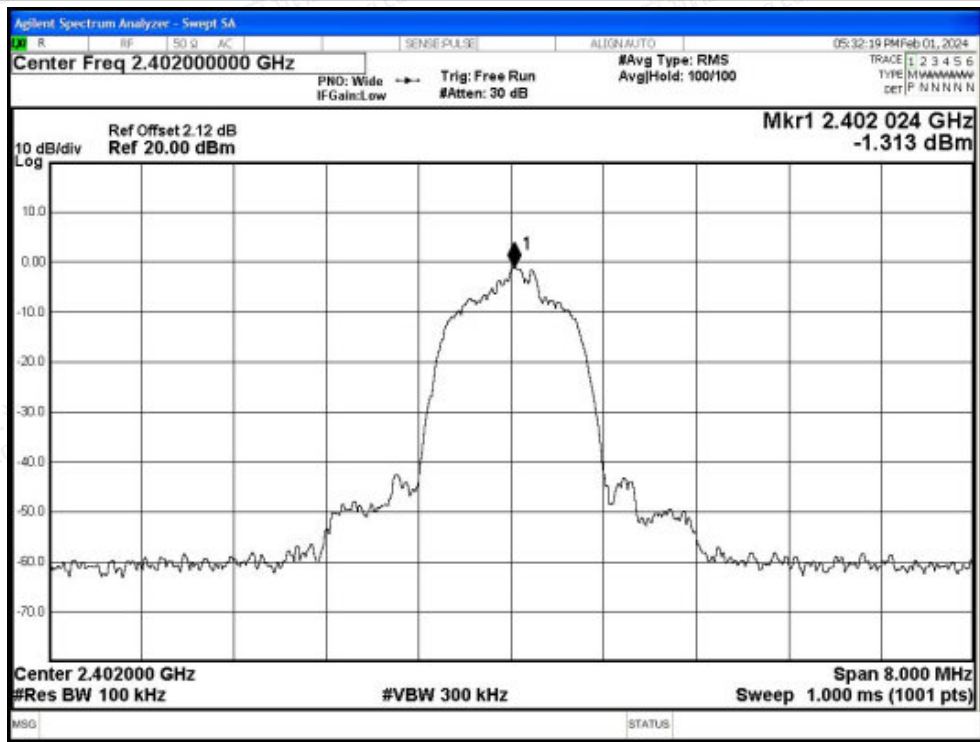


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

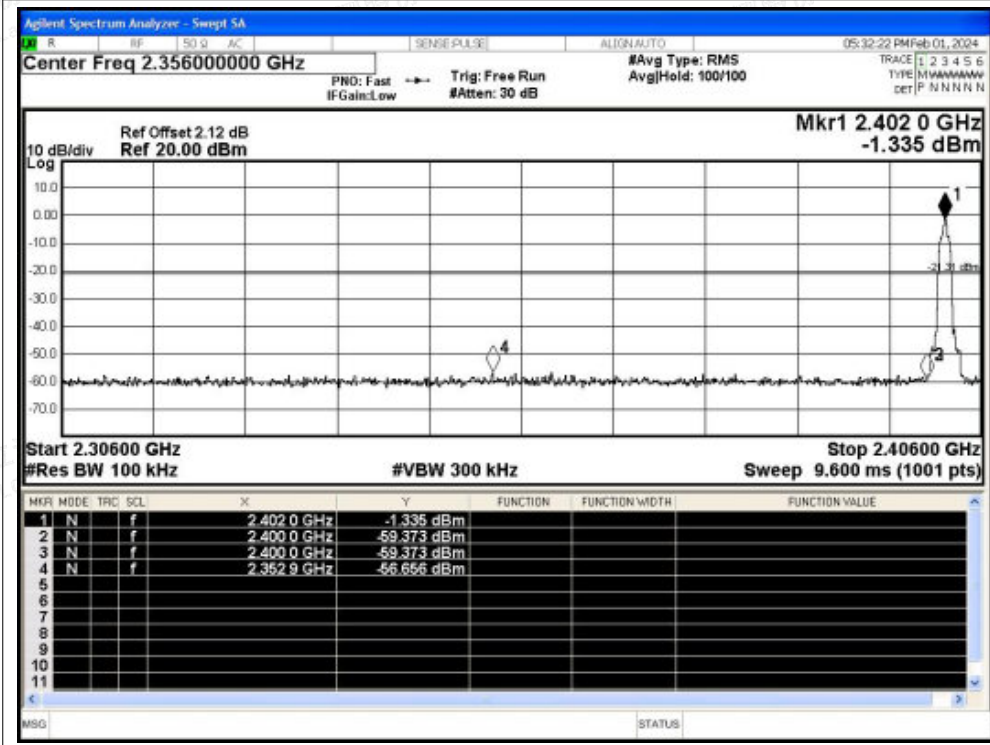




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

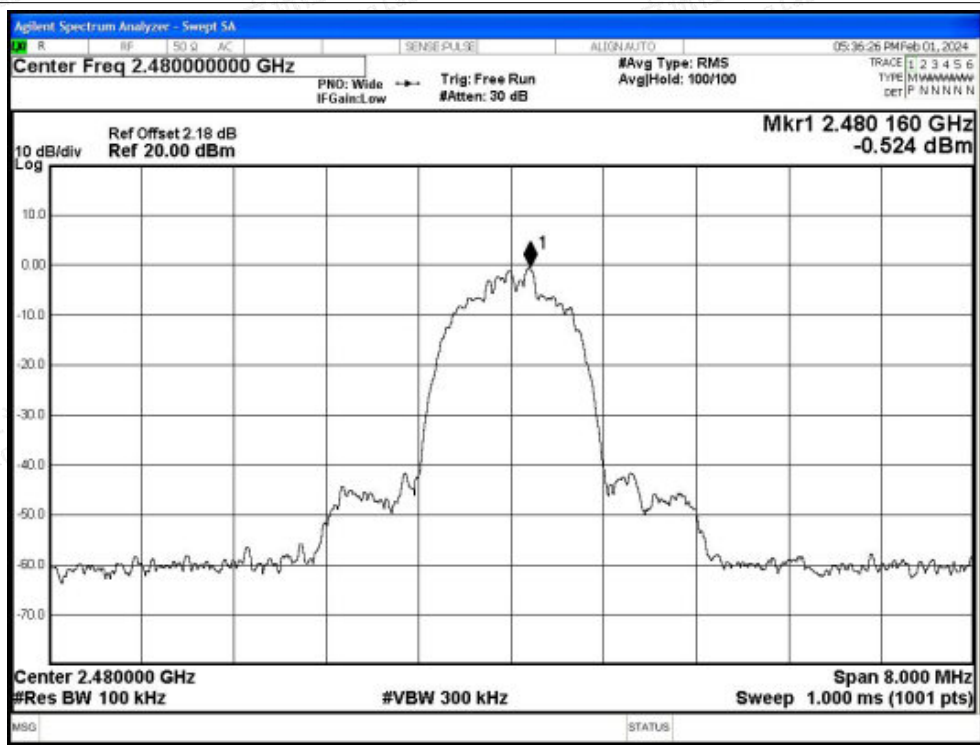


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

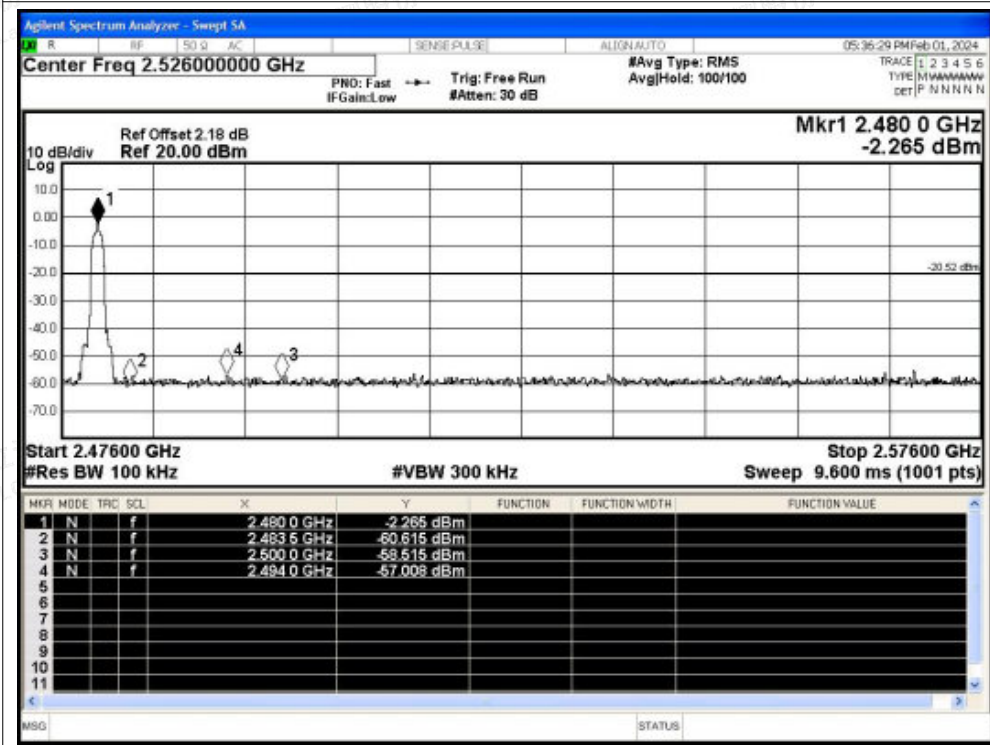




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

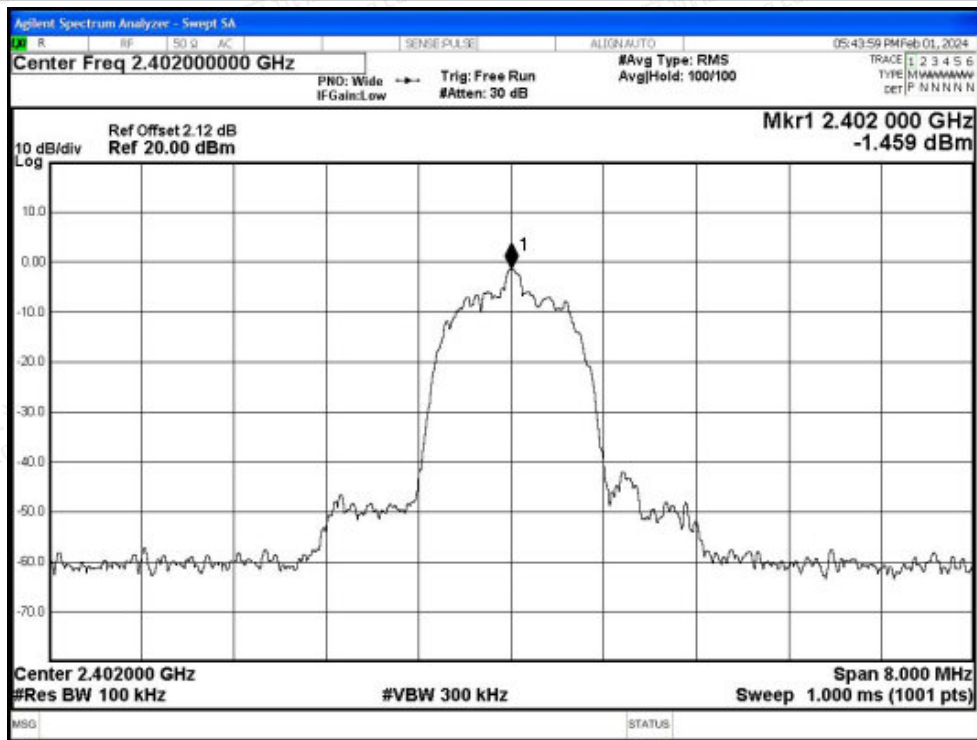


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

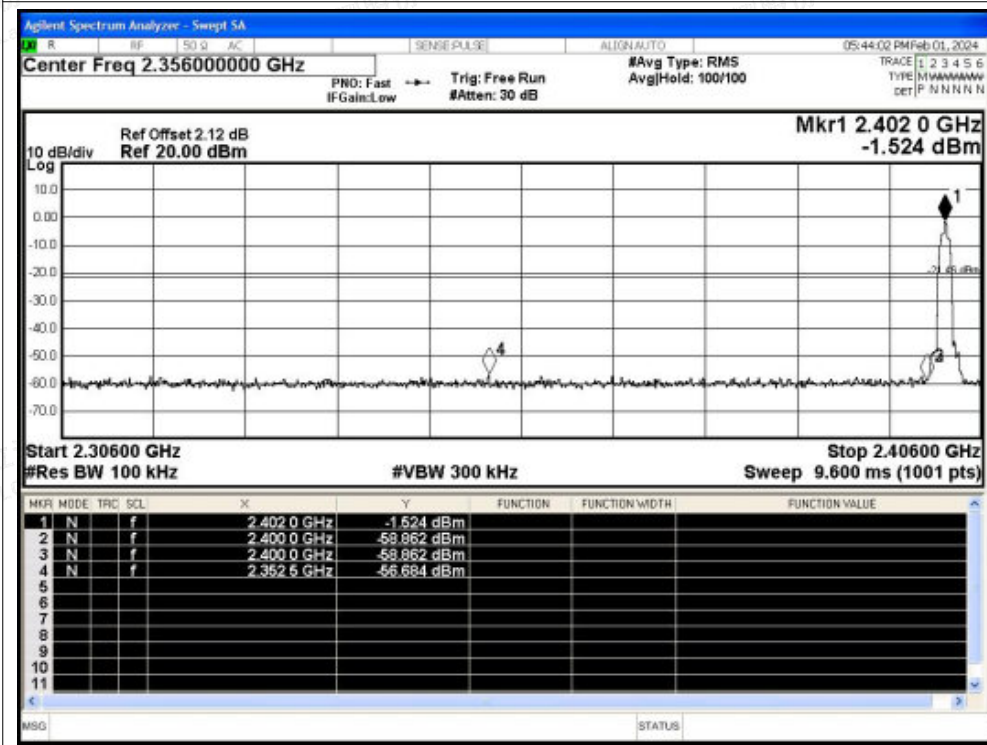




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

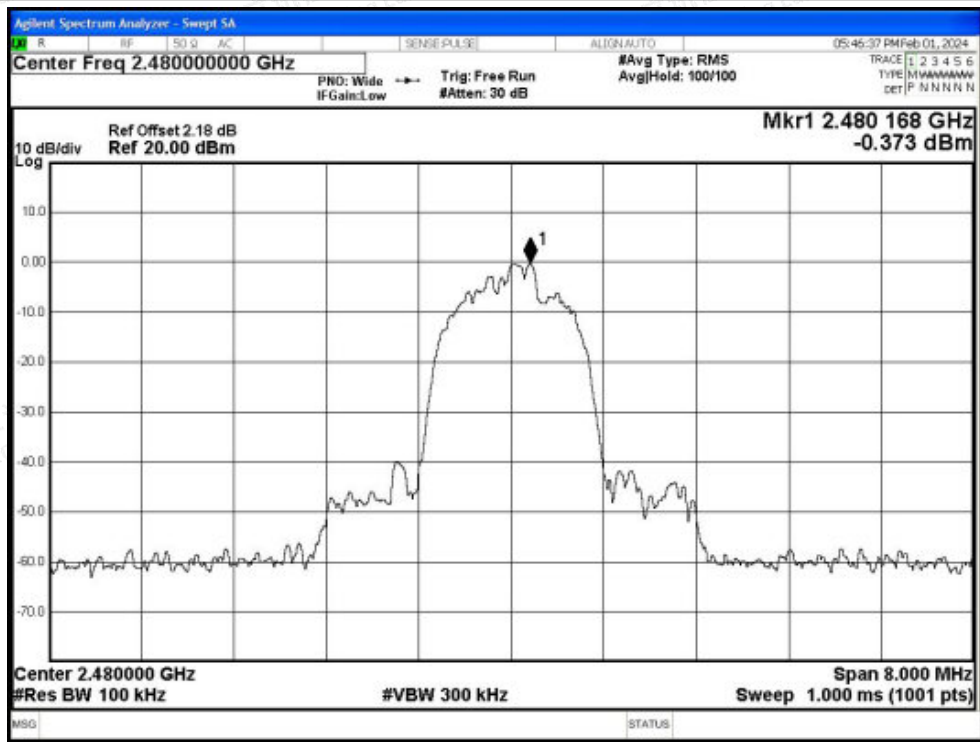


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

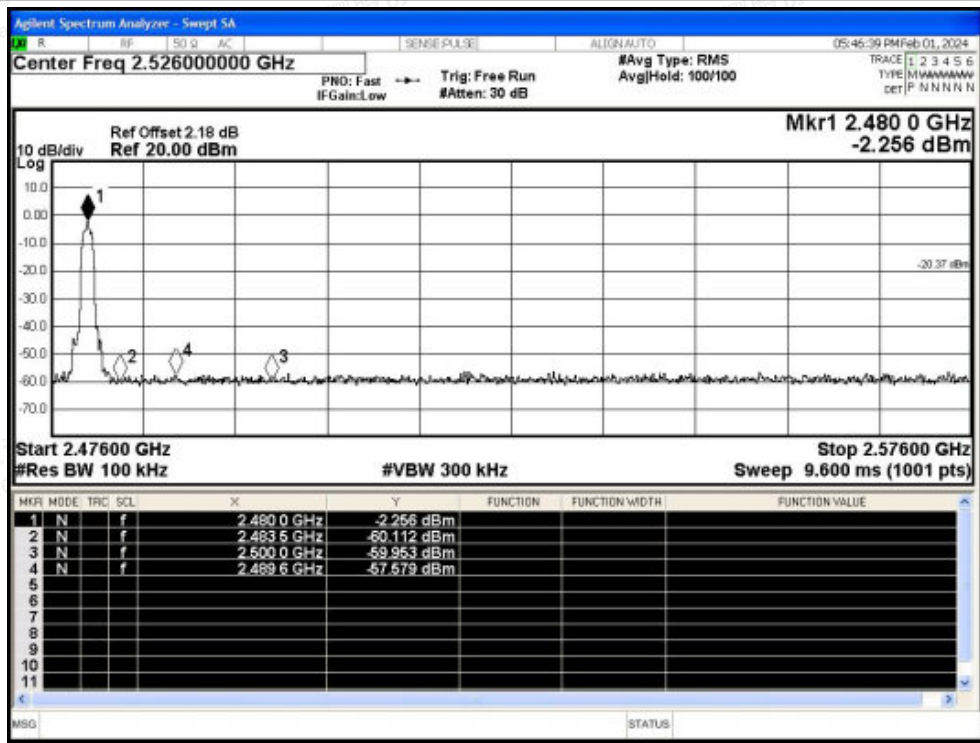




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-55.78	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.74	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-52.78	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.68	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-54.24	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-55.15	-20	Pass

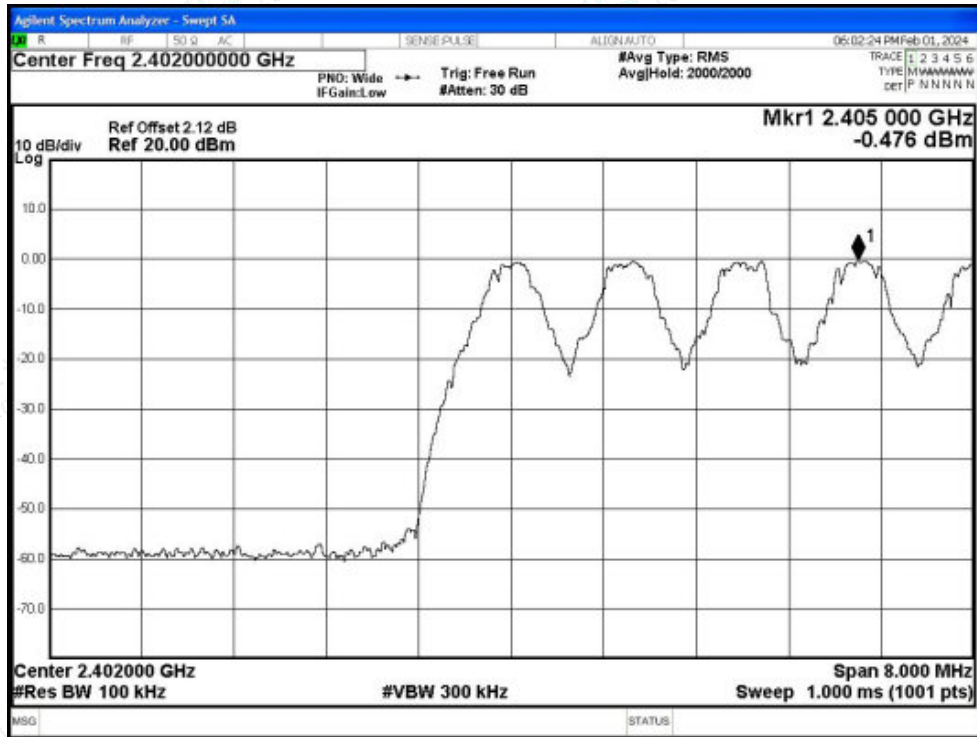


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

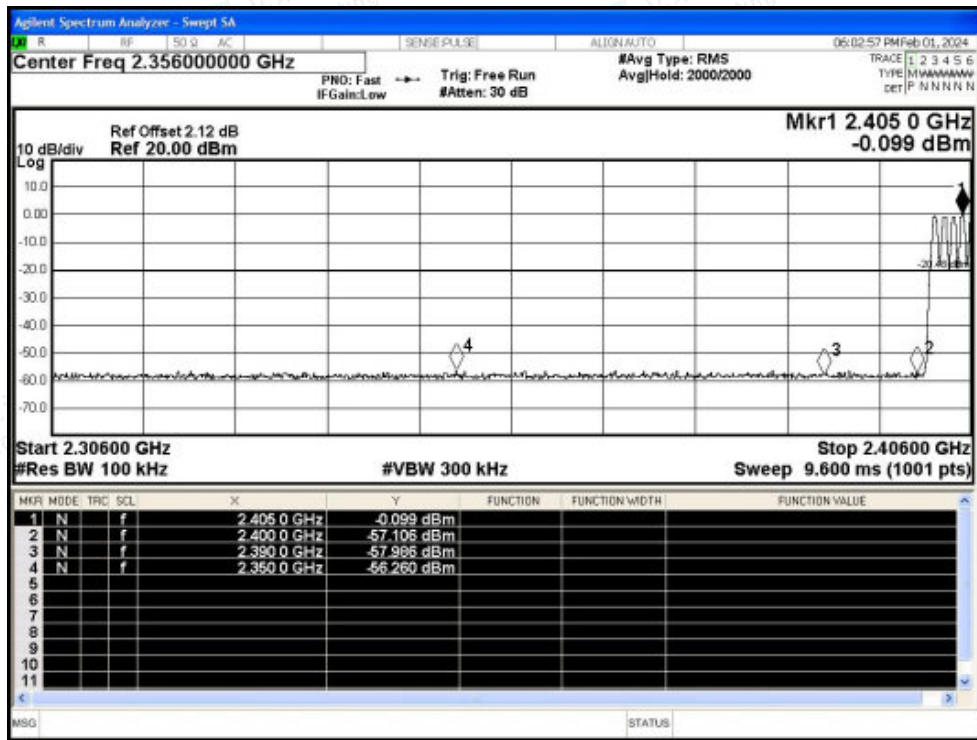


Test Graphs

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

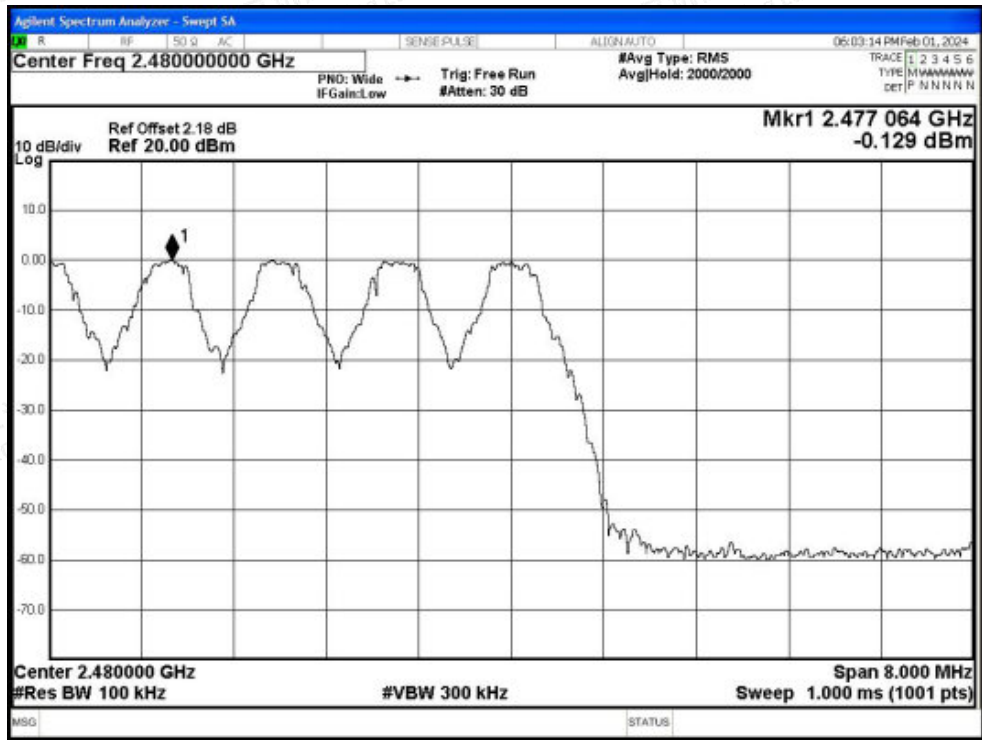


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

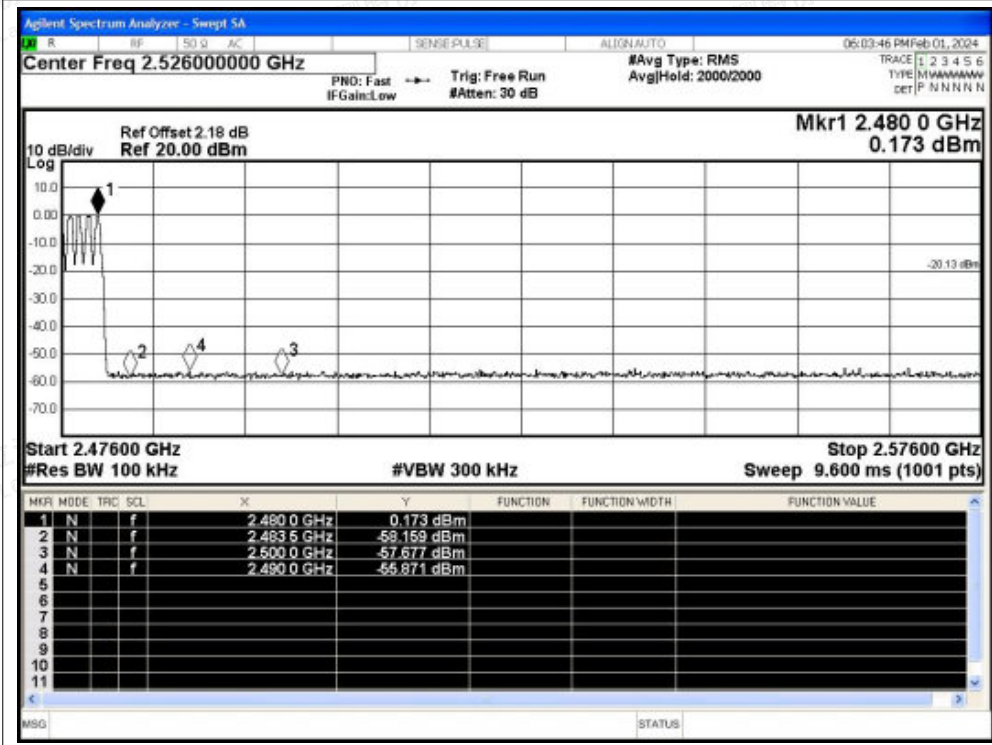




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

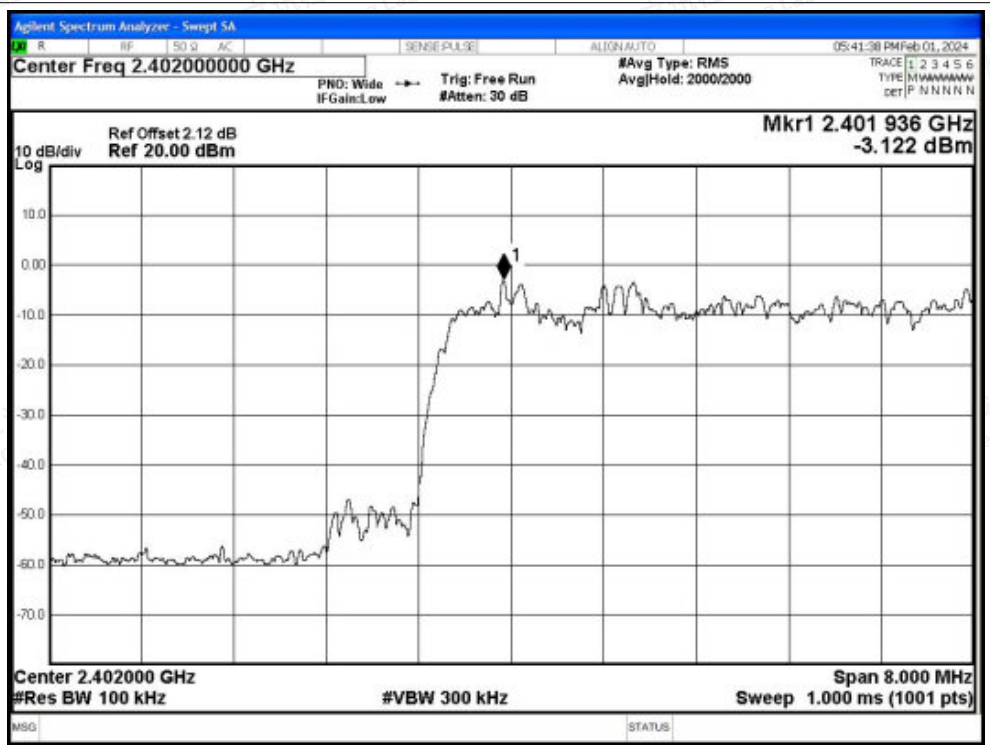


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

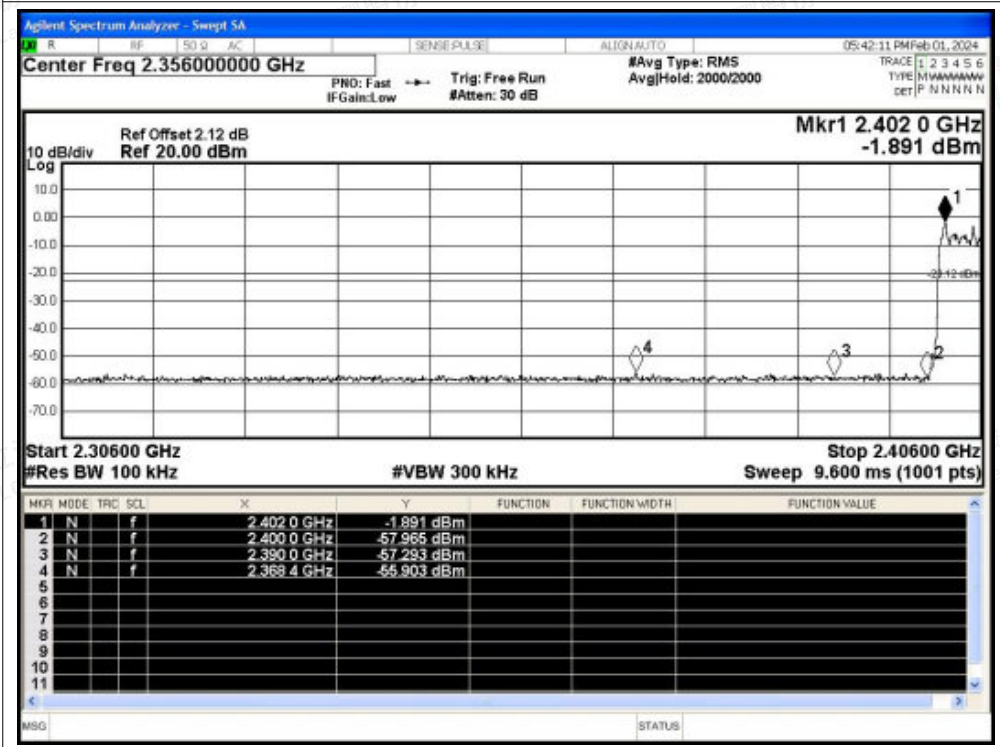




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

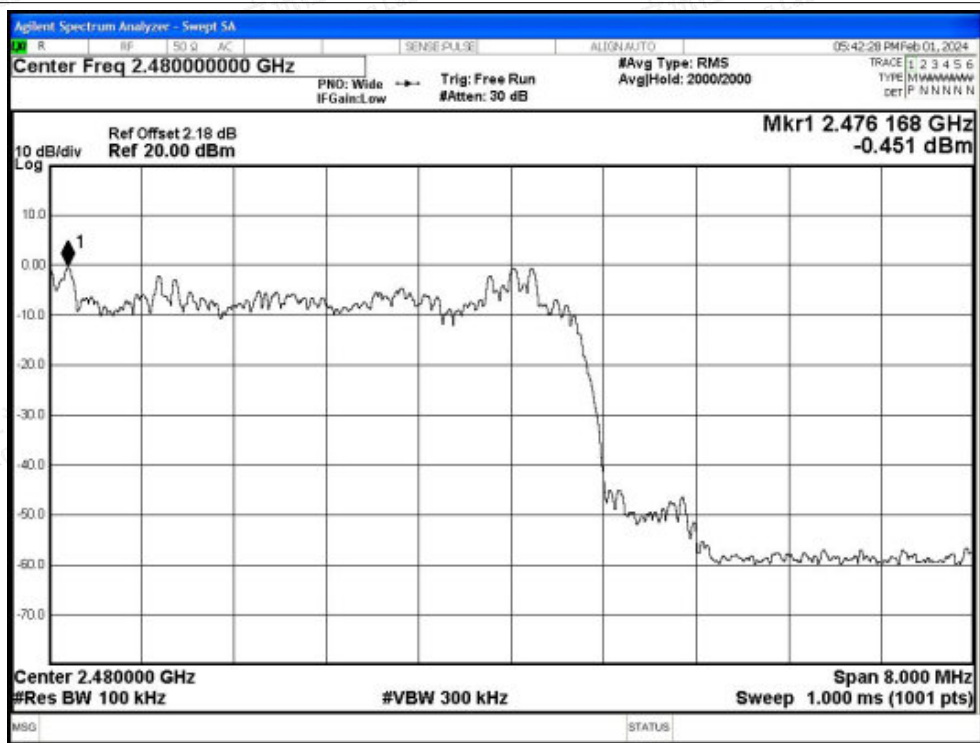


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

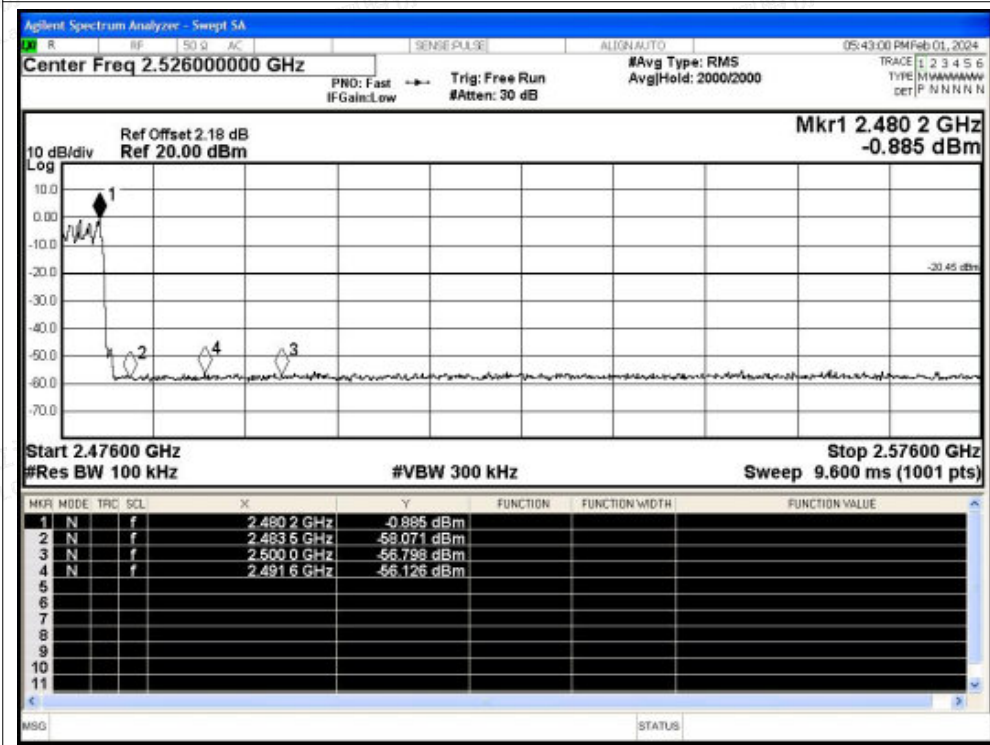




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

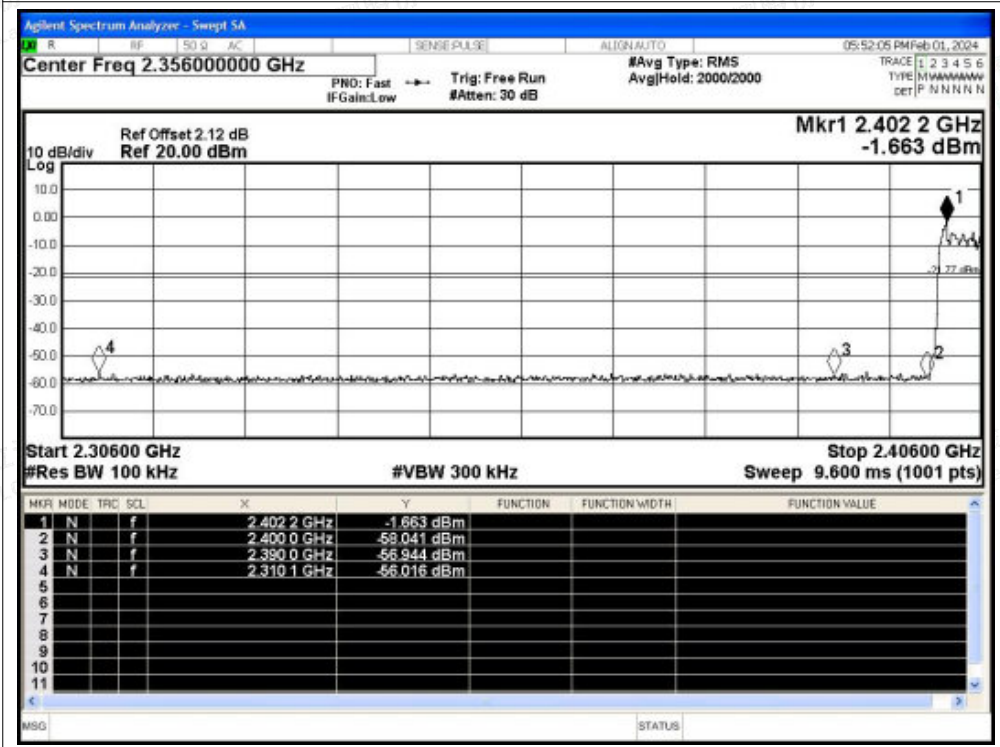




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

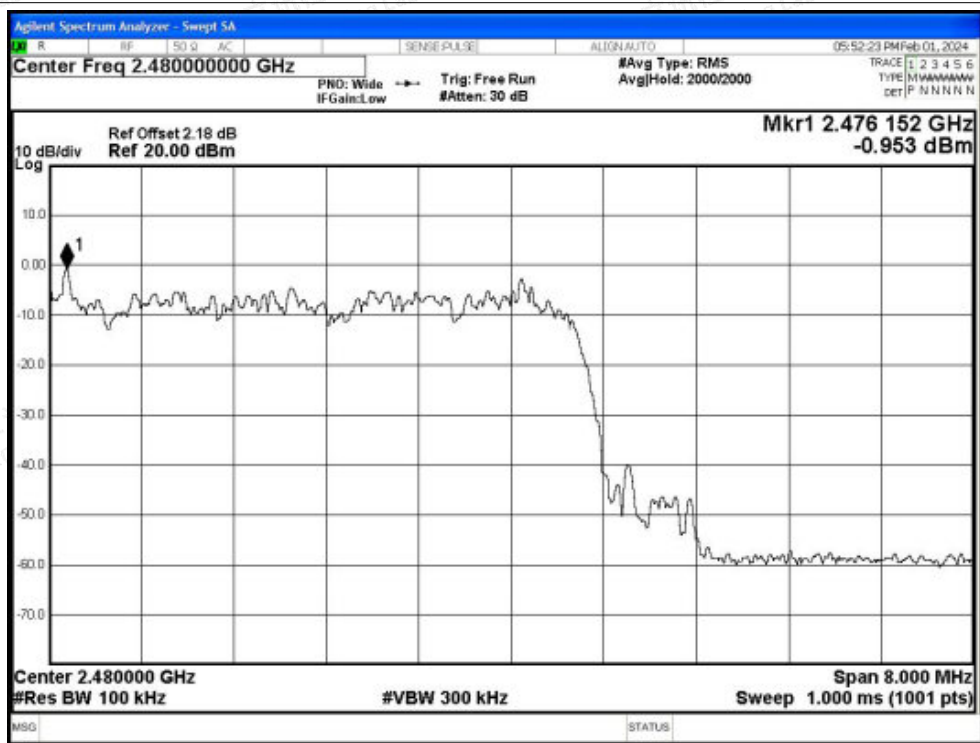


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

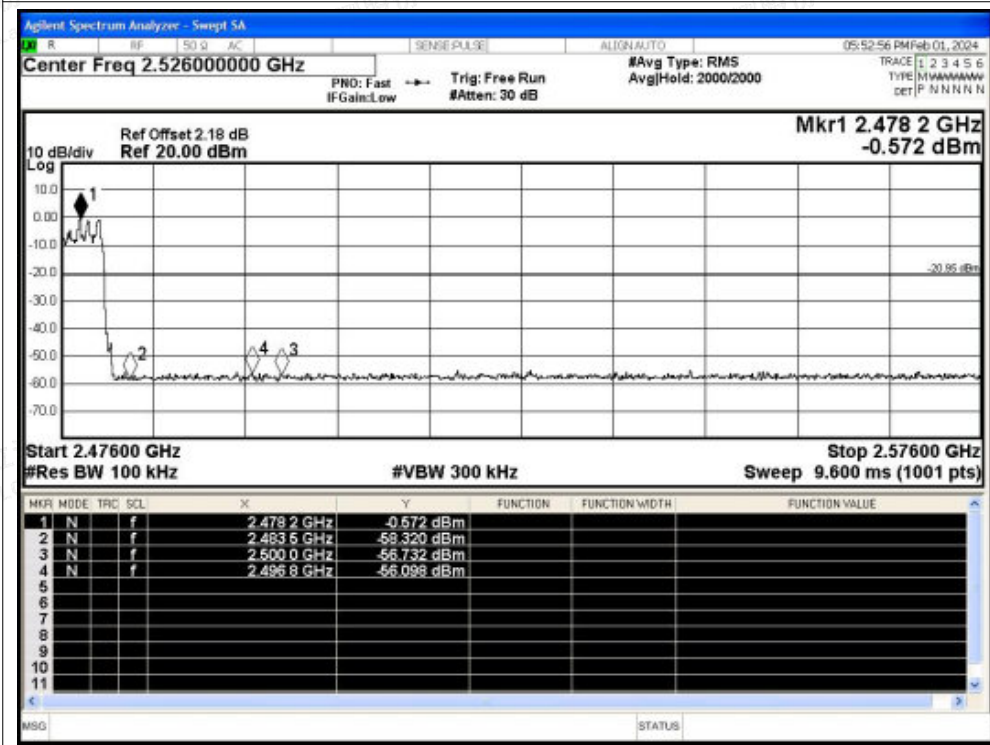




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-54.25	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.82	-20	Pass
NVNT	1-DH5	2480	Ant1	-55.54	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.24	-20	Pass
NVNT	2-DH5	2441	Ant1	-55.06	-20	Pass
NVNT	2-DH5	2480	Ant1	-55.22	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.2	-20	Pass
NVNT	3-DH5	2441	Ant1	-54.93	-20	Pass
NVNT	3-DH5	2480	Ant1	-55.28	-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

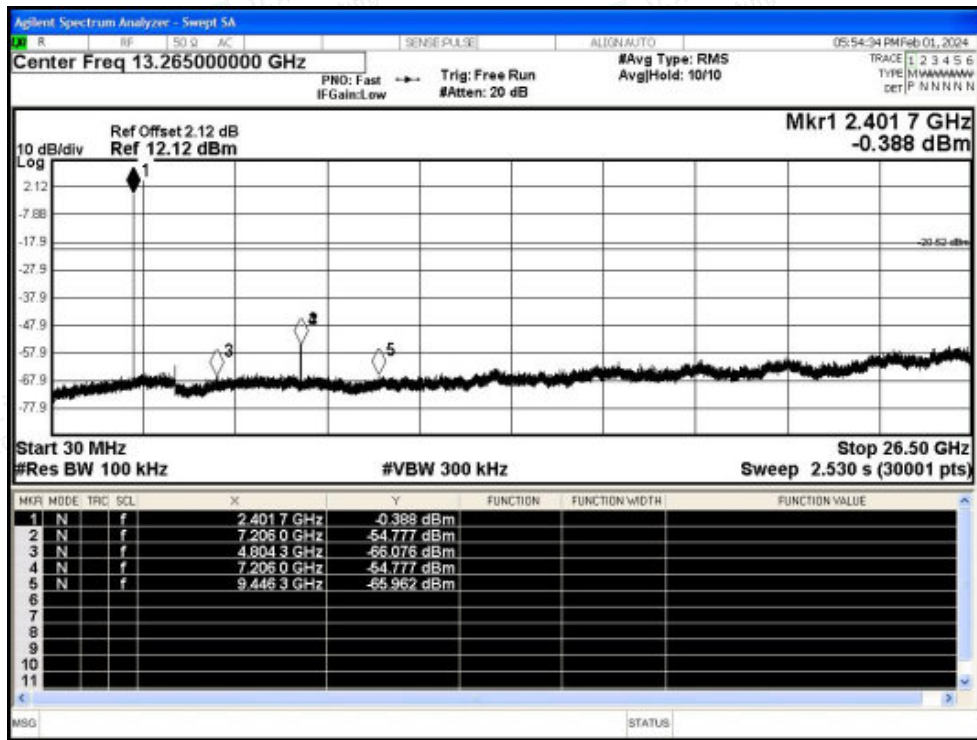


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

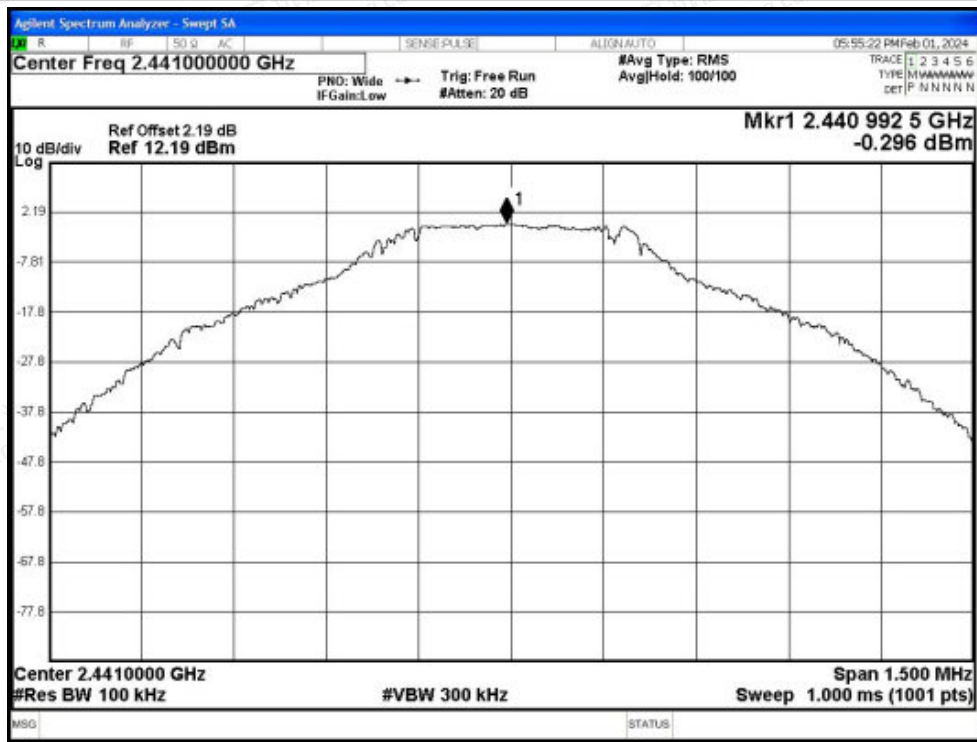


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

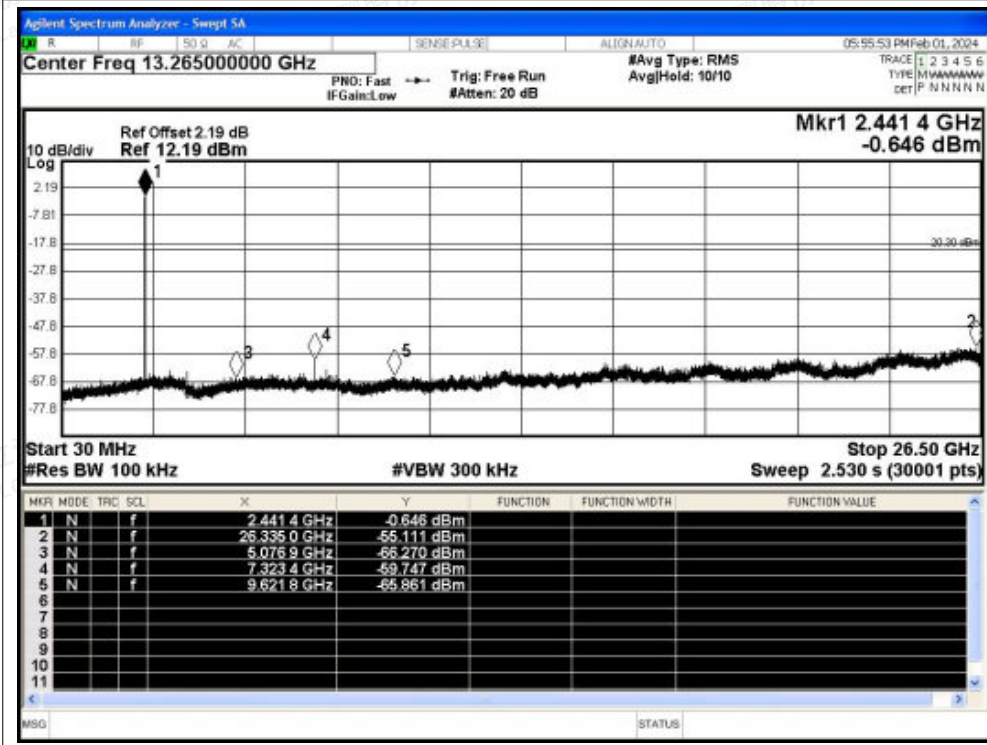




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

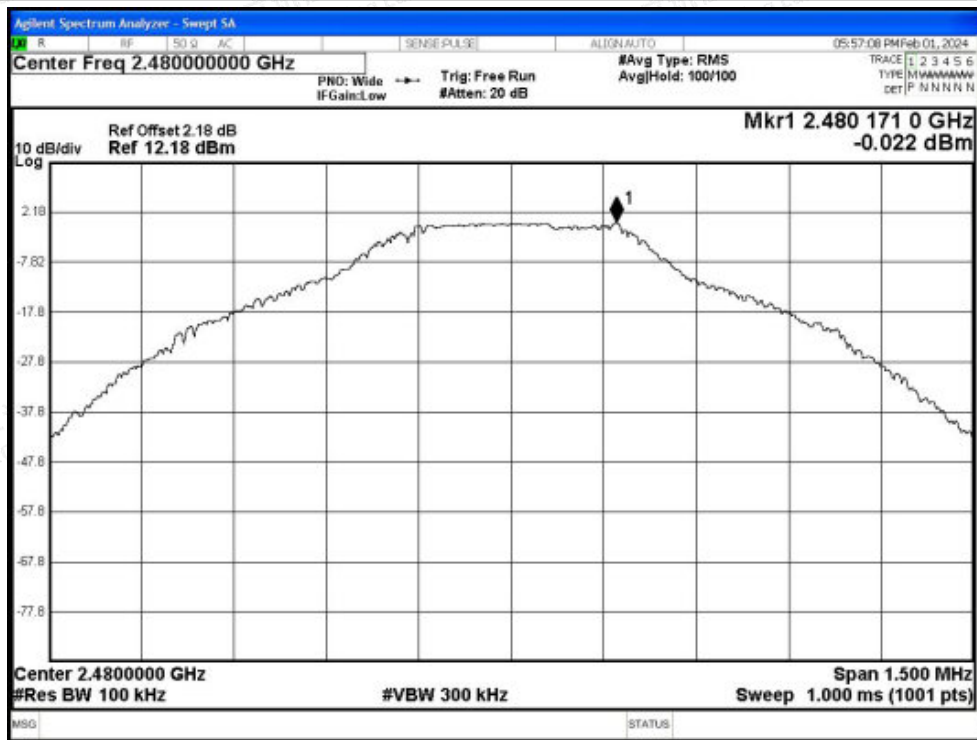


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

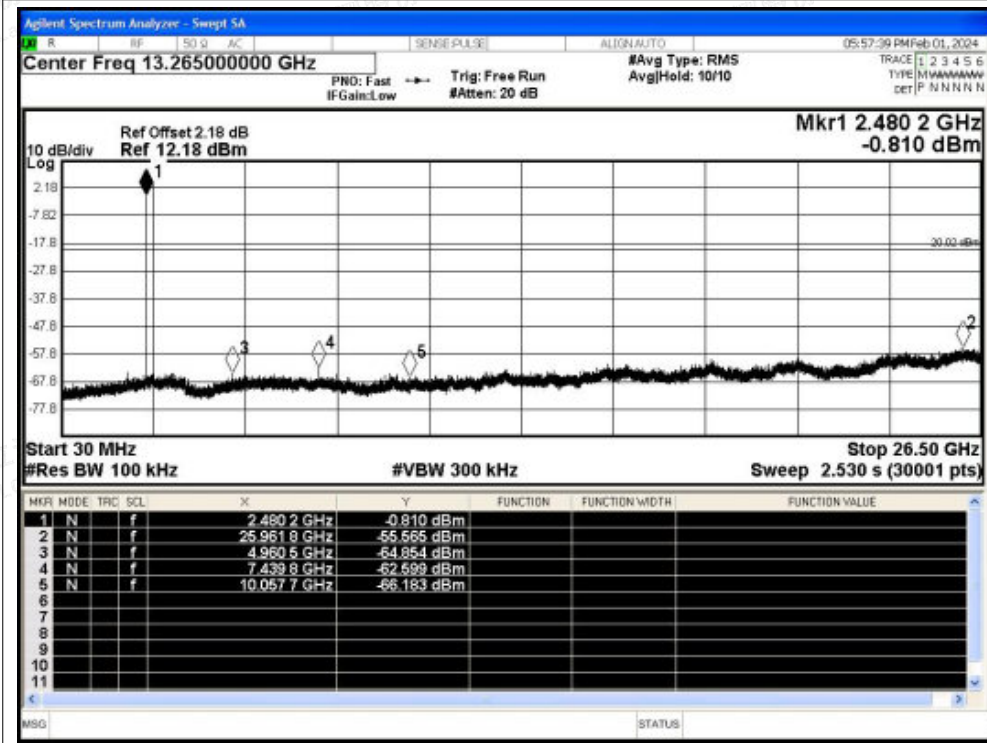




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

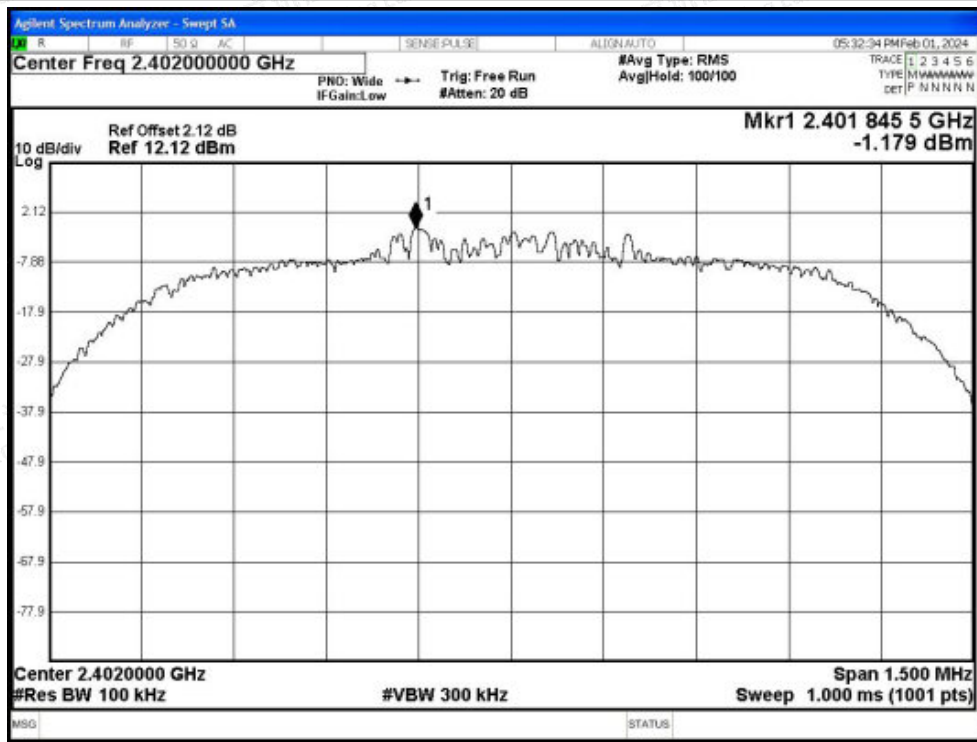


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

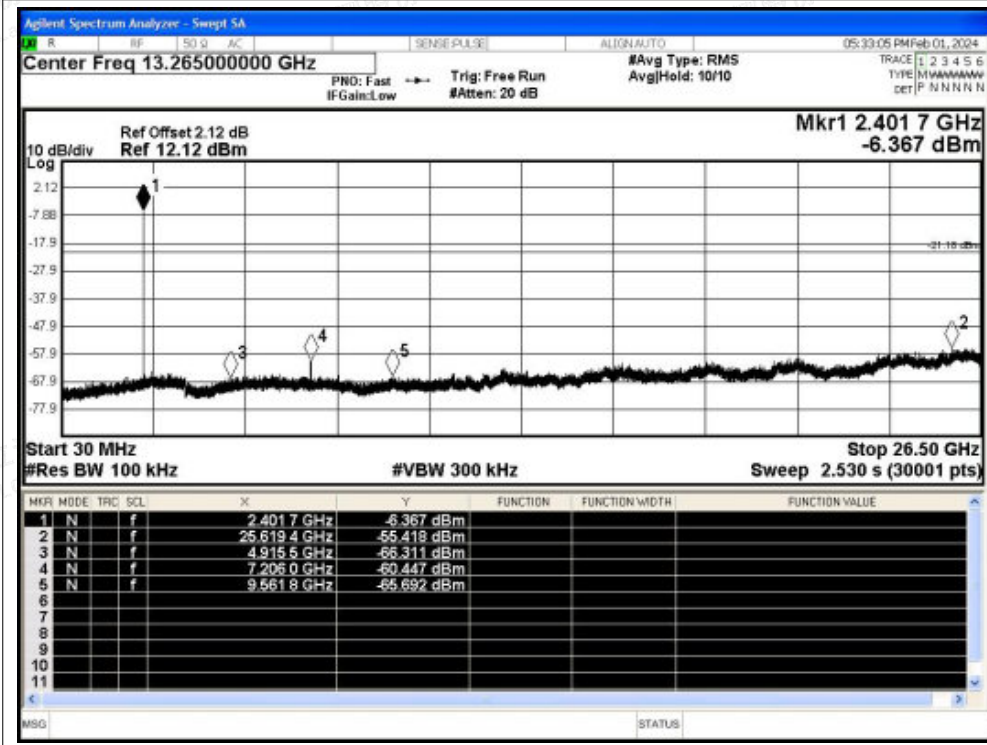




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

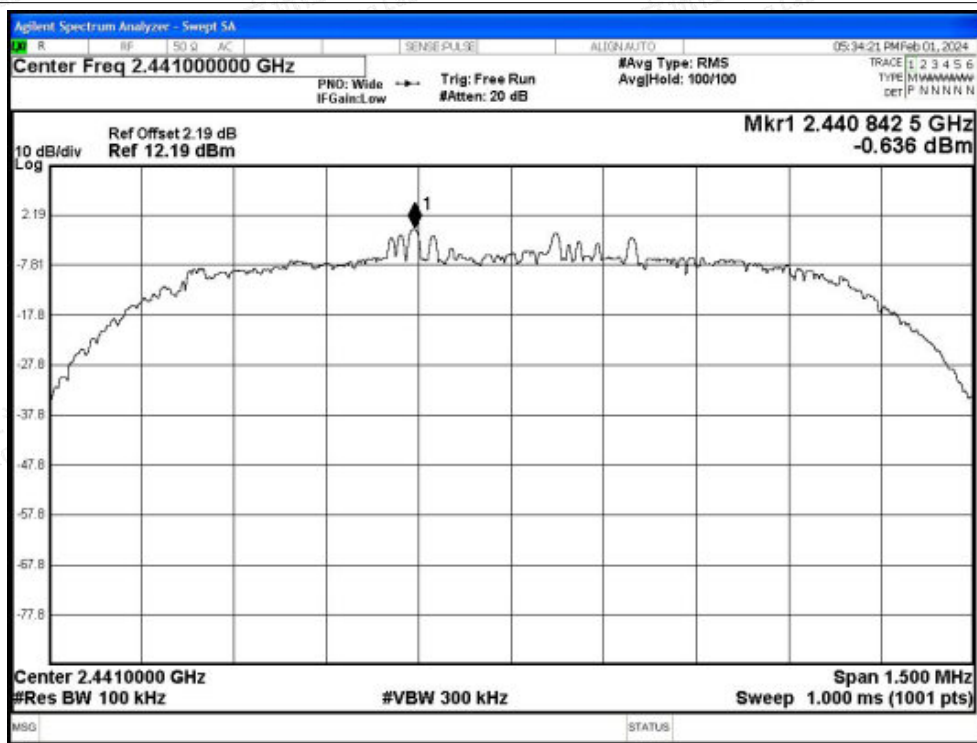


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

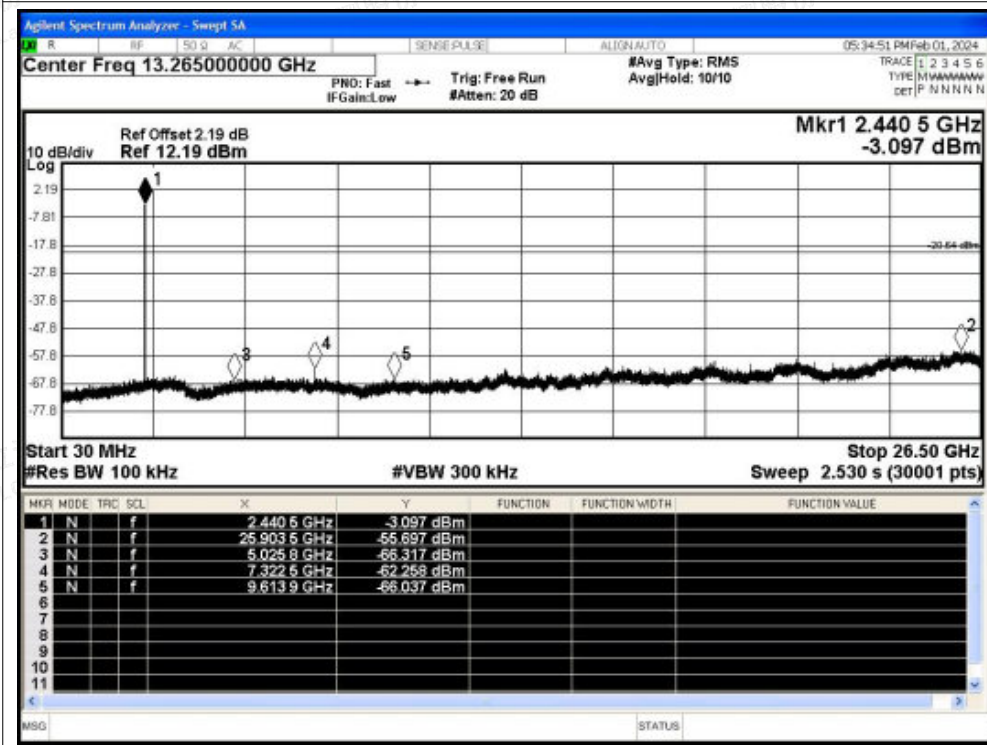




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

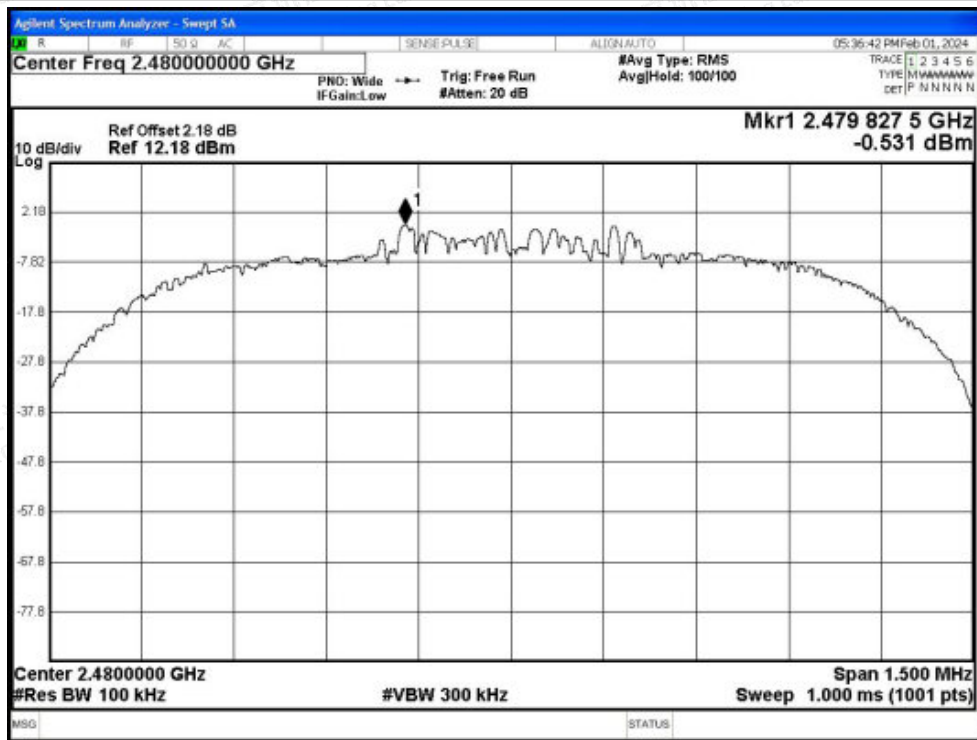


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

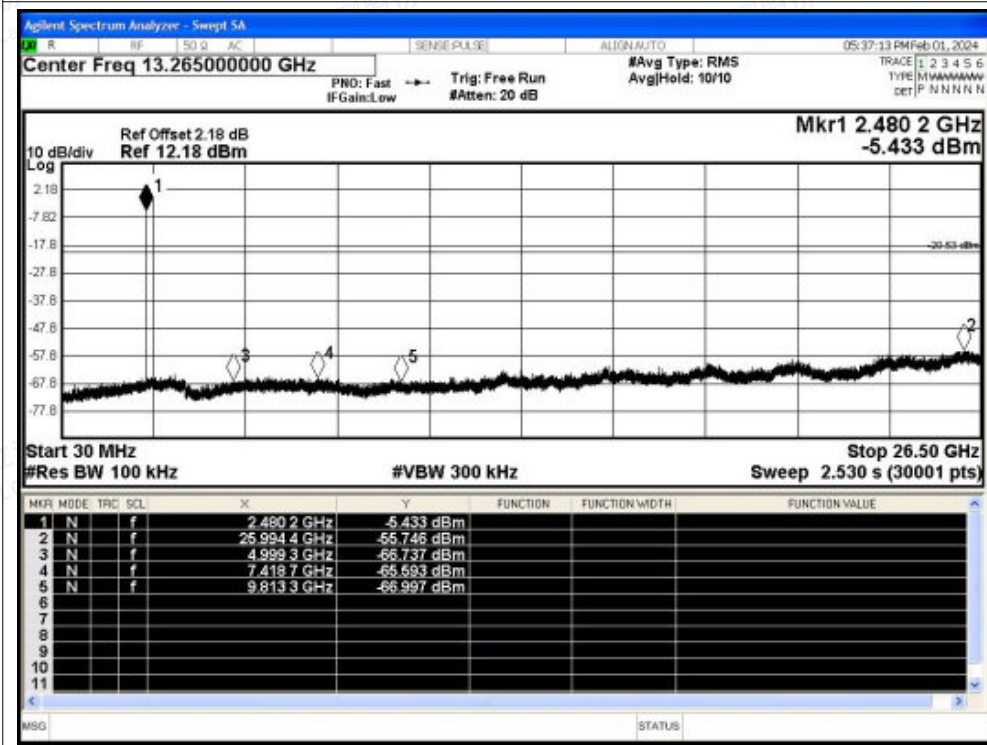




Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

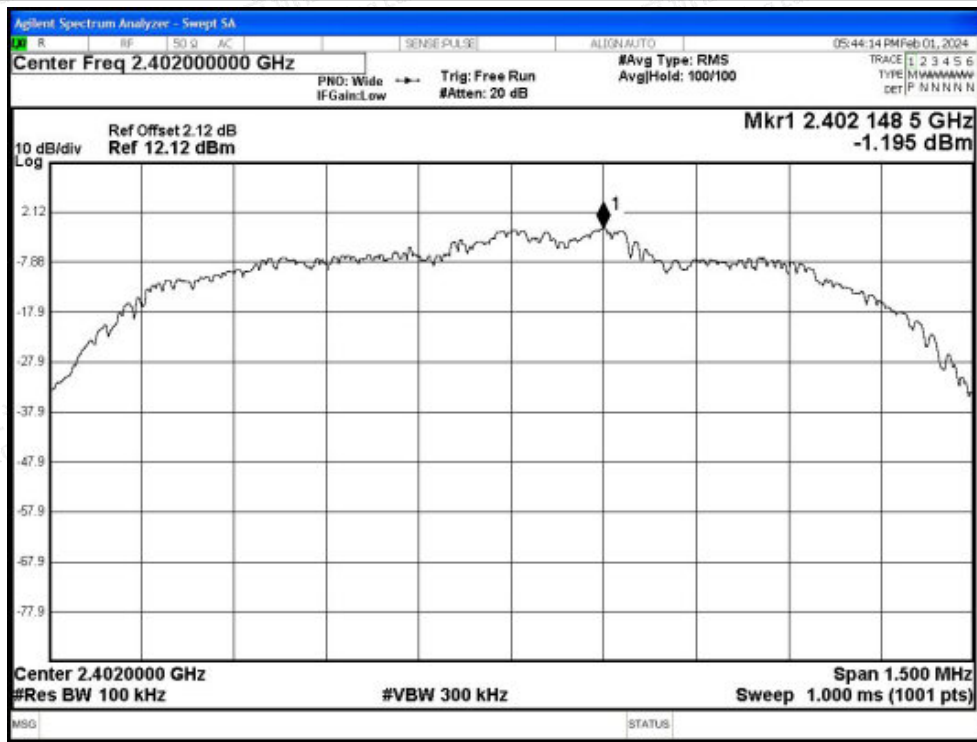


Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

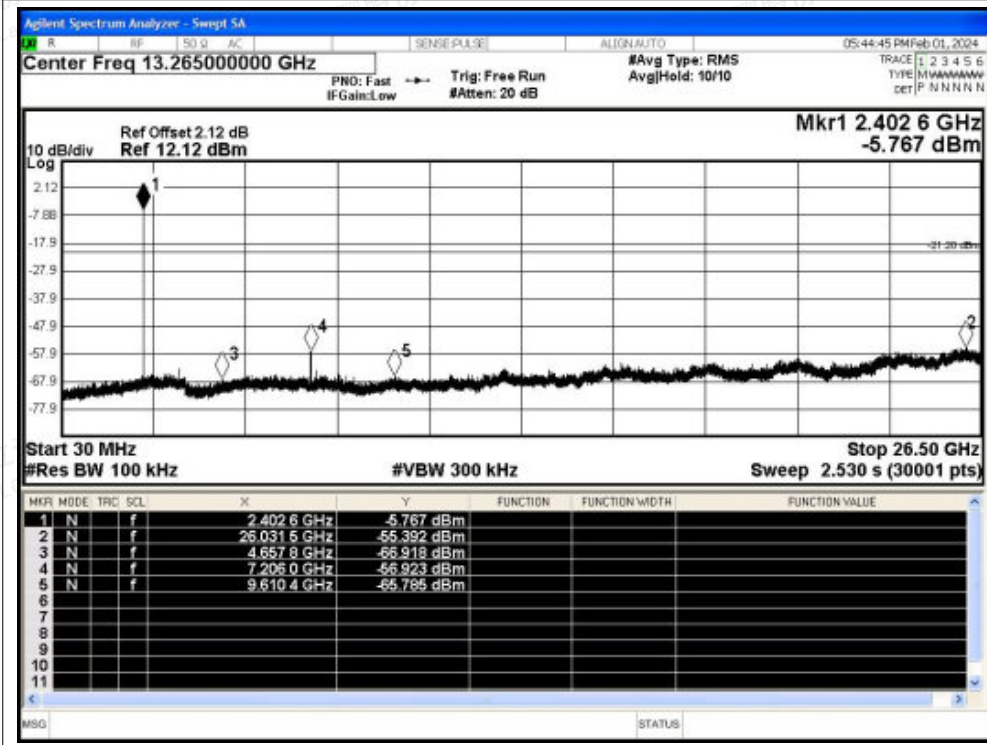




Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref

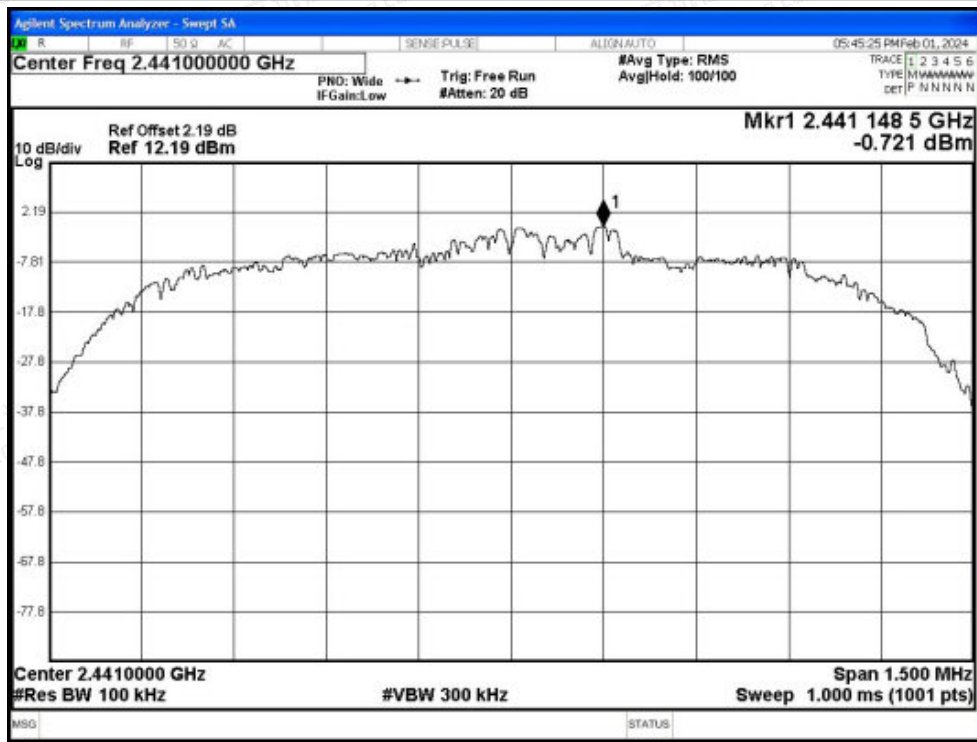


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

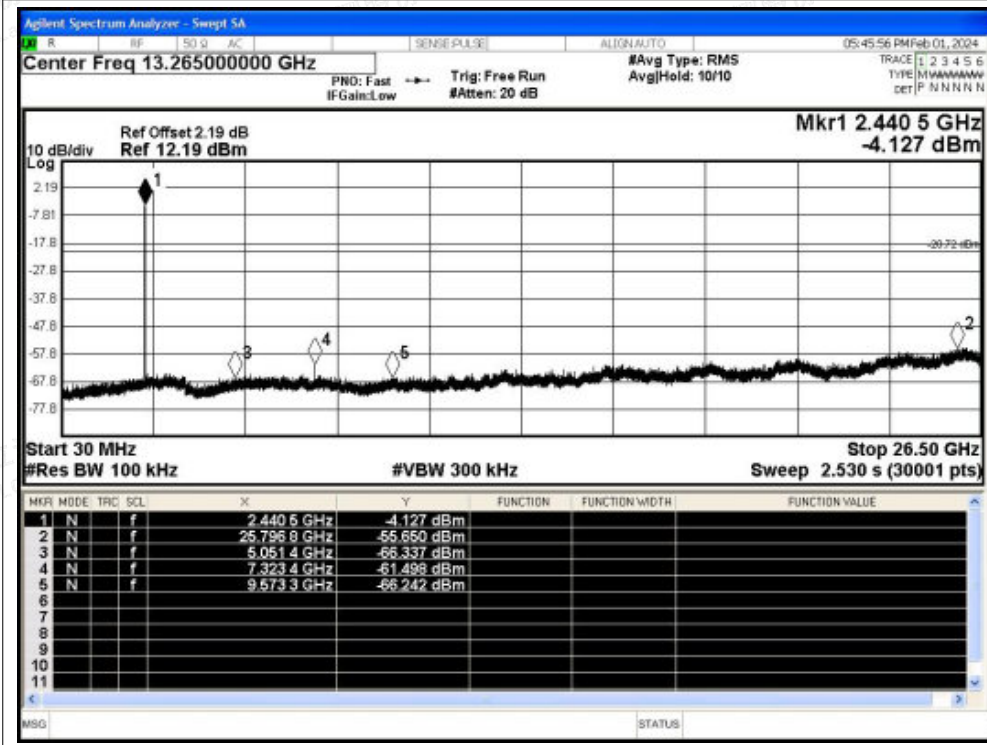




Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

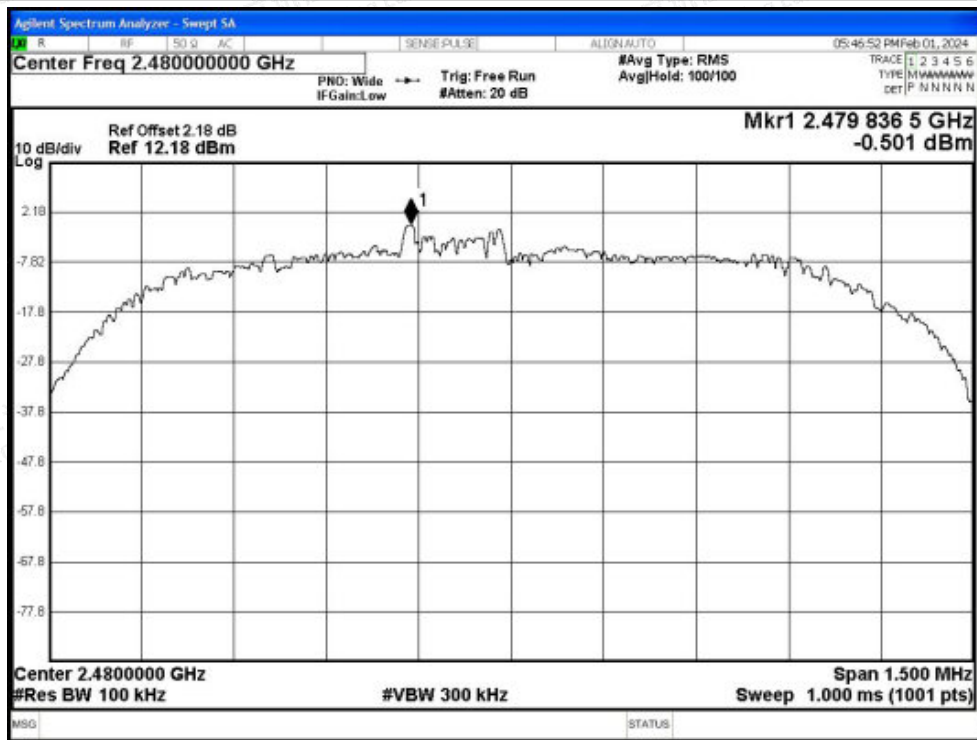


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

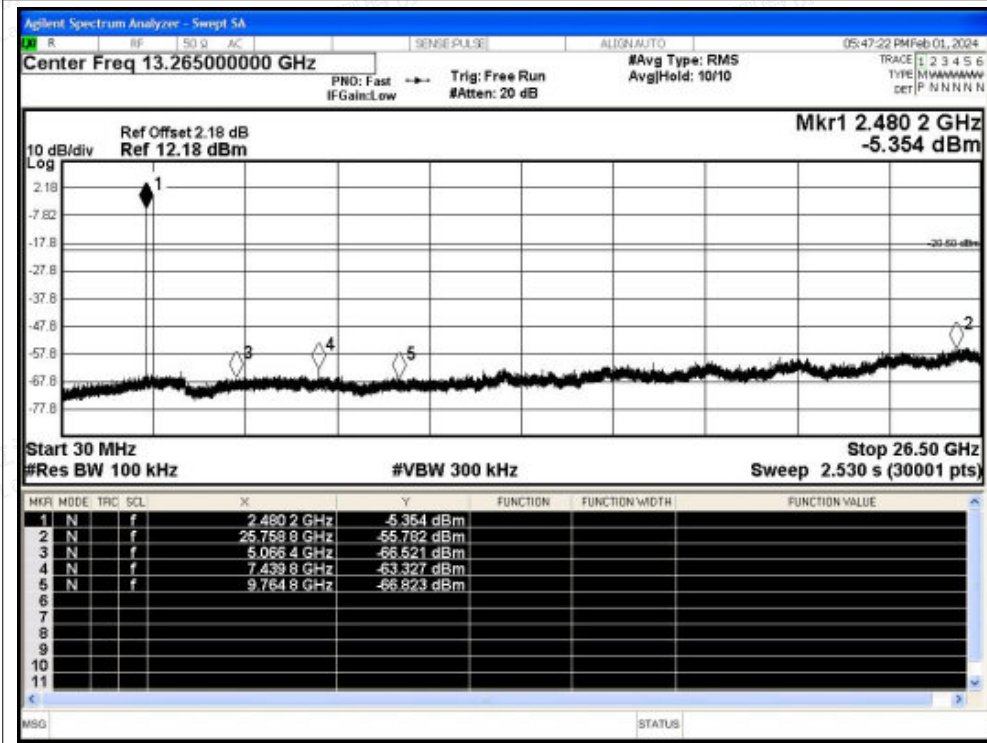




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2480	Ant1	76.88	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.99	1.14	0.35
NVNT	2-DH5	2480	Ant1	76.99	1.14	0.35
NVNT	3-DH5	2402	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2441	Ant1	77.04	1.13	0.35
NVNT	3-DH5	2480	Ant1	77.01	1.13	0.35

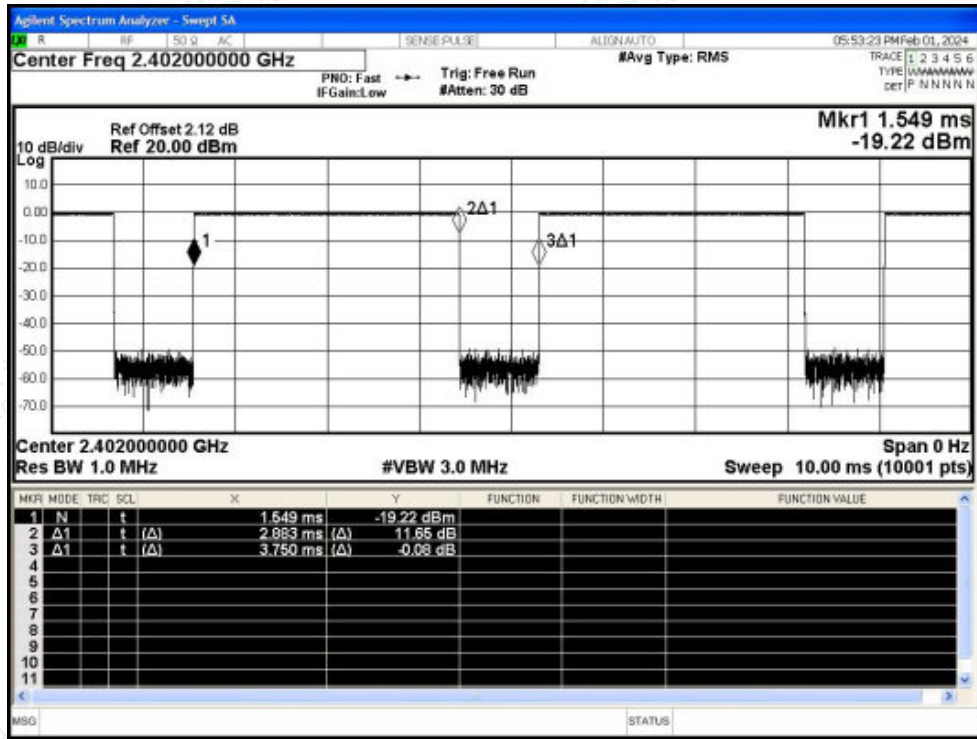


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

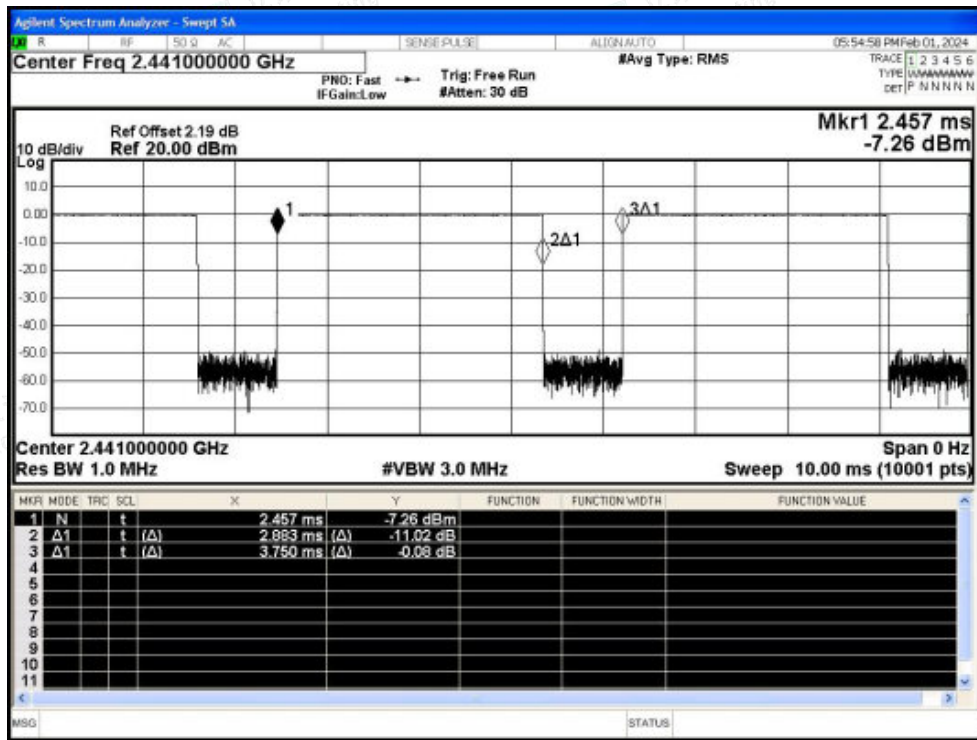


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

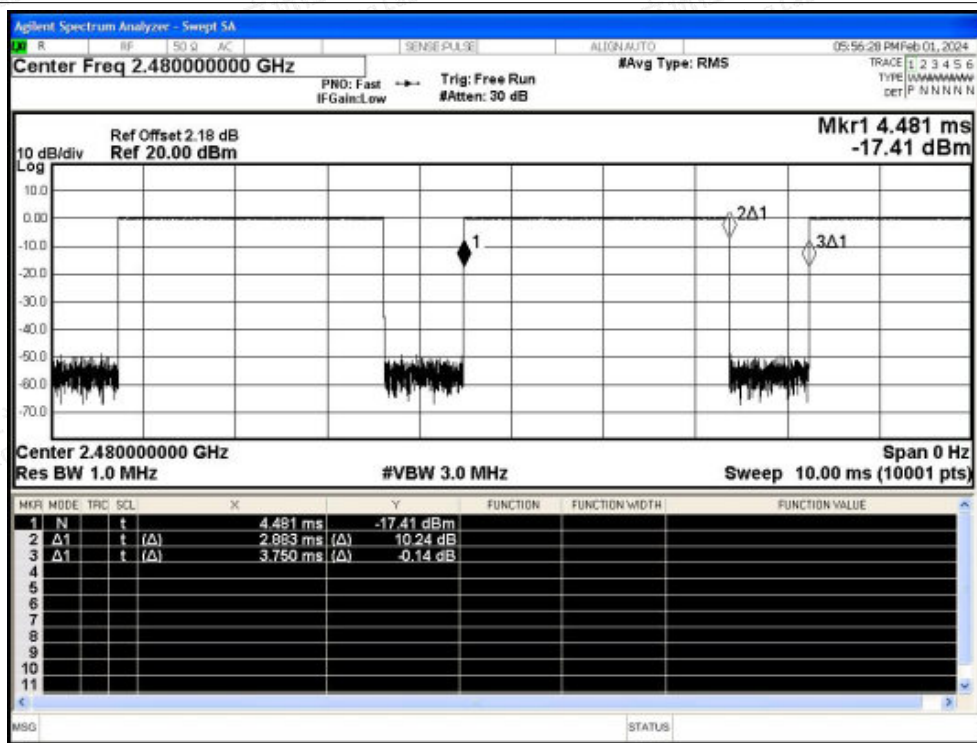


Duty Cycle NVNT 1-DH5 2441MHz Ant1

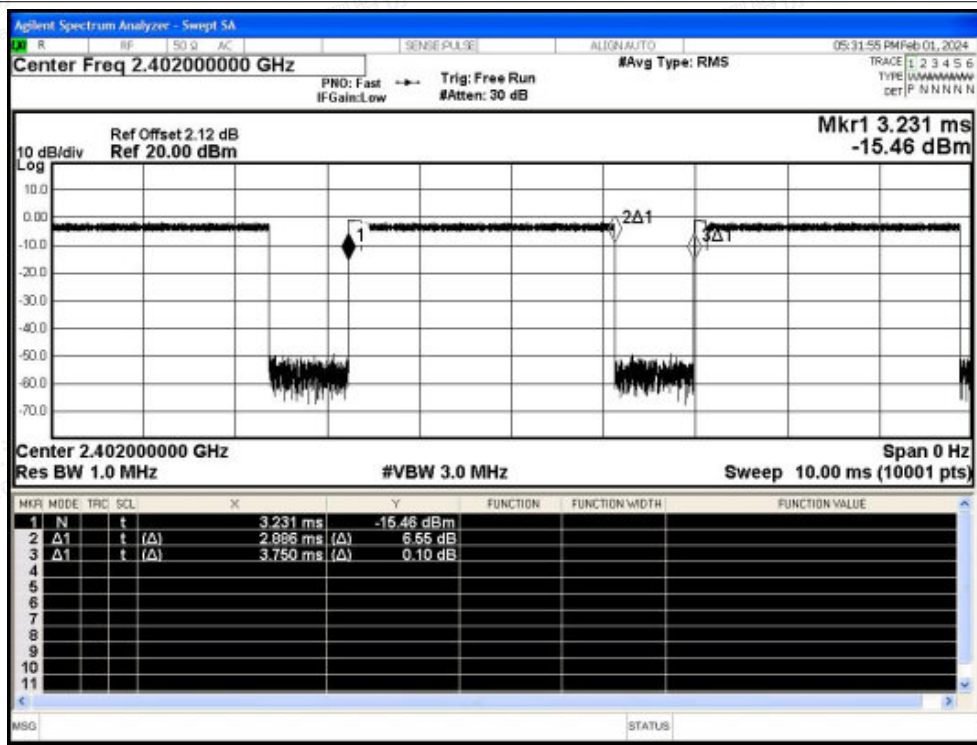




Duty Cycle NVNT 1-DH5 2480MHz Ant1

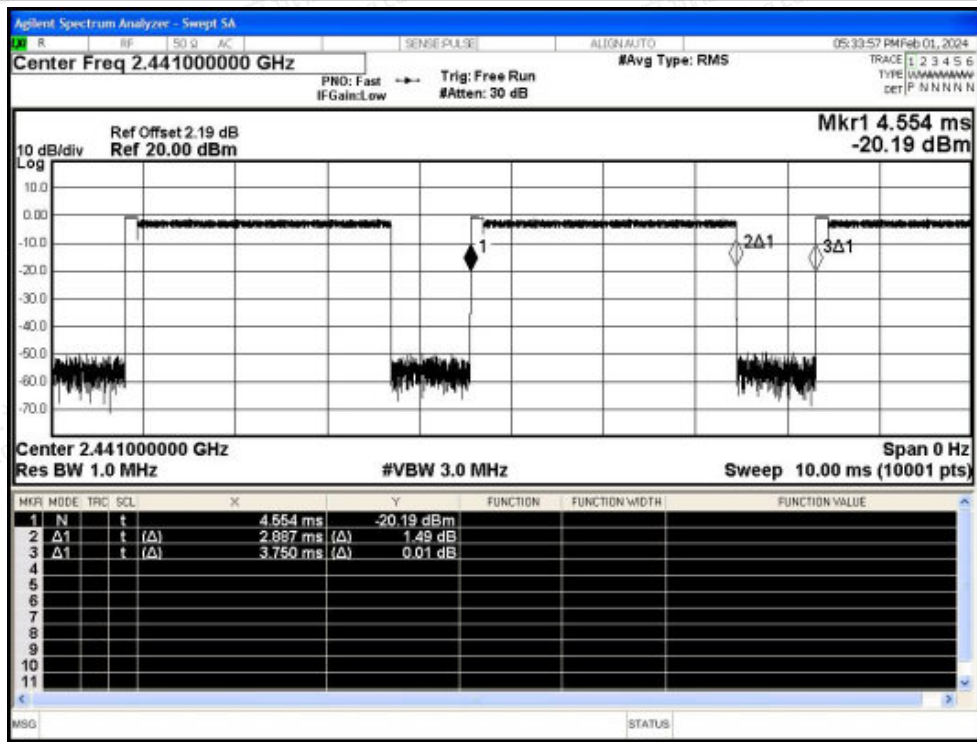


Duty Cycle NVNT 2-DH5 2402MHz Ant1

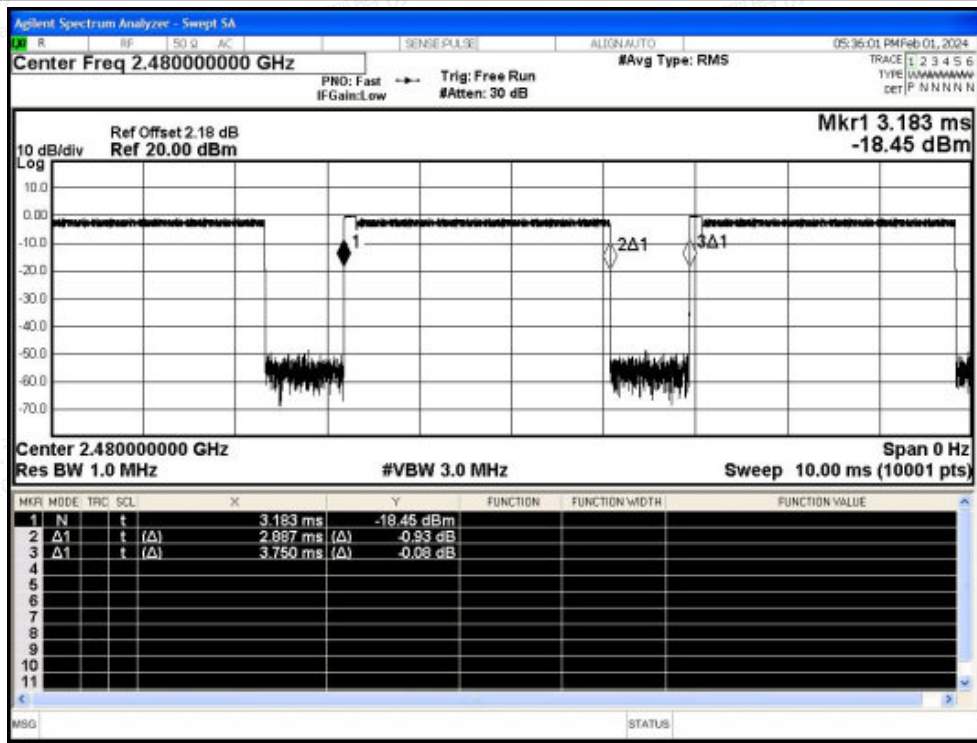




Duty Cycle NVNT 2-DH5 2441MHz Ant1

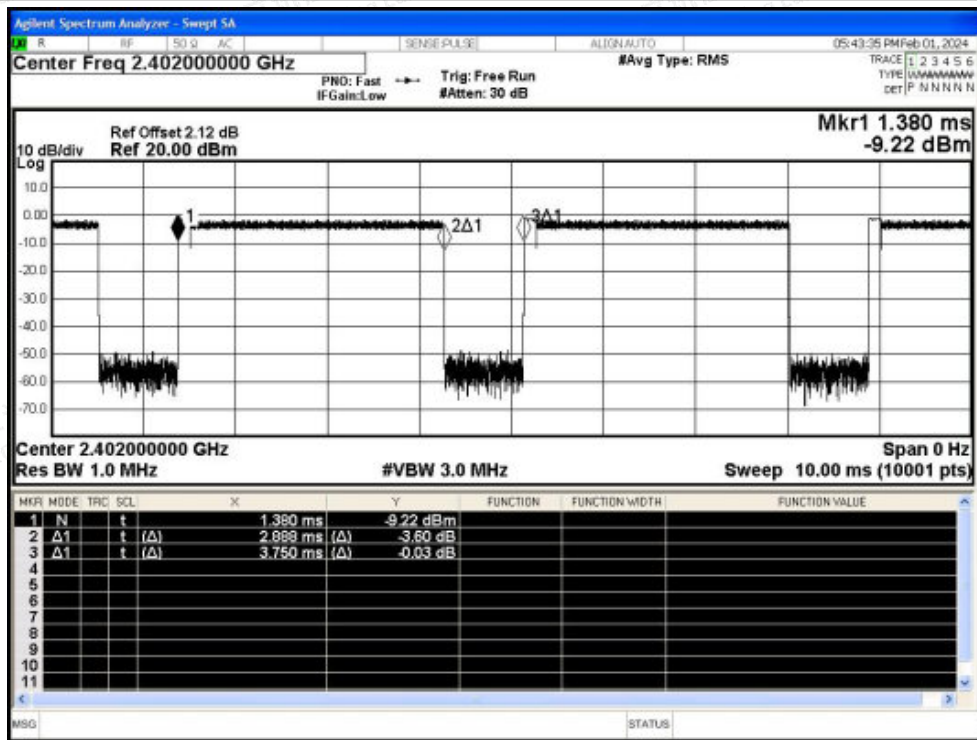


Duty Cycle NVNT 2-DH5 2480MHz Ant1

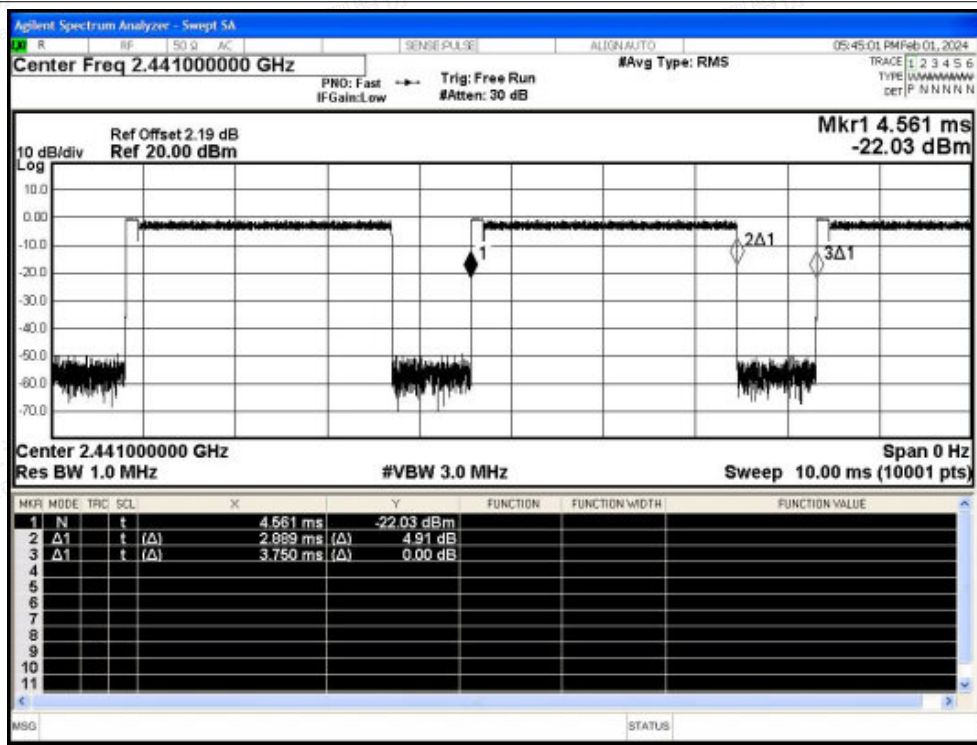




Duty Cycle NVNT 3-DH5 2402MHz Ant1

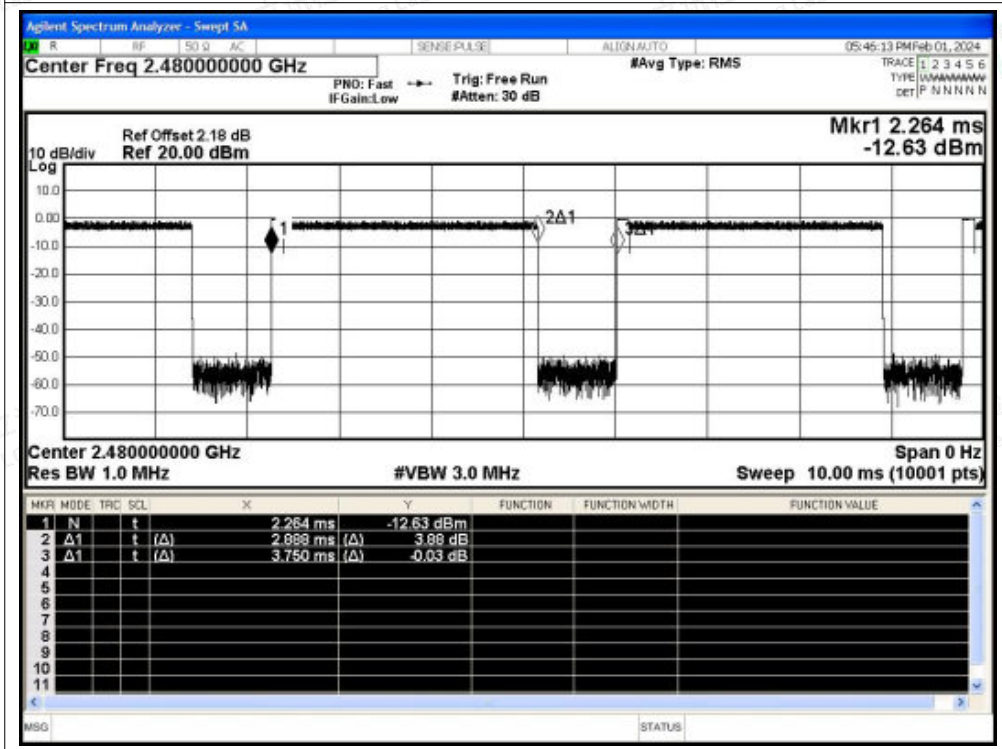


Duty Cycle NVNT 3-DH5 2441MHz Ant1





Duty Cycle NVNT 3-DH5 2480MHz Ant1





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	Ant1	No-Hopping	2310	-51.46	2	-	45.8	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-59.09	2	1.14	39.31	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2315.568	-47.24	2	-	50.02	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.2	-57.44	2	1.14	40.96	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.43	2	-	45.83	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.45	2	1.14	39.95	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-47.71	2	-	49.55	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.77	2	1.14	40.63	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.688	-46.74	2	-	50.52	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.536	-57.13	2	1.14	41.27	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.84	2	-	47.42	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.07	2	1.14	40.33	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.3	2	-	47.96	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.5	2	1.14	39.9	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2331.792	-47.52	2	-	49.74	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2340.624	-57.56	2	1.14	40.84	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.92	2	-	47.34	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.53	2	1.14	39.87	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-51.22	2	-	46.04	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.75	2	1.14	40.65	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2494.672	-47.26	2	-	50	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2490.184	-57.11	2	1.14	41.29	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.5	2	-	47.76	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.46	2	1.14	39.94	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.78	2	-	46.48	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.75	2	1.13	39.64	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2372.496	-47.74	2	-	49.52	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.488	-57.26	2	1.13	41.13	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.32	2	-	45.94	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.19	2	1.13	40.2	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.12	2	-	47.14	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-57.41	2	1.13	40.98	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2499.28	-47.18	2	-	50.08	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2495.728	-57.07	2	1.13	41.32	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.21	2	-	47.05	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.67	2	1.13	40.72	Average	54	Pass



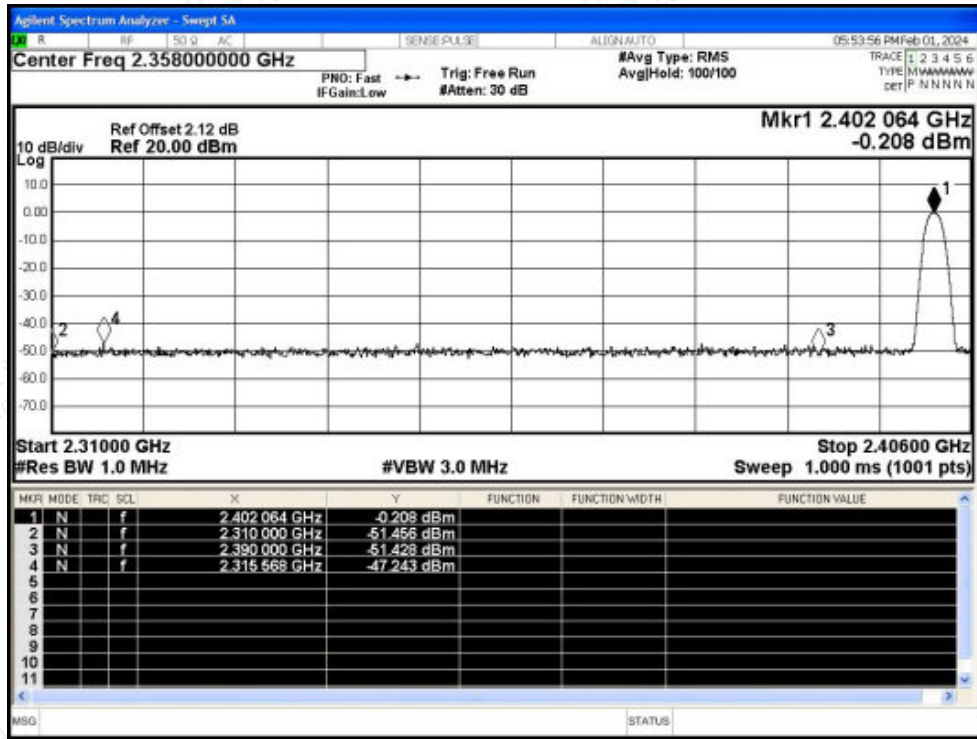
Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



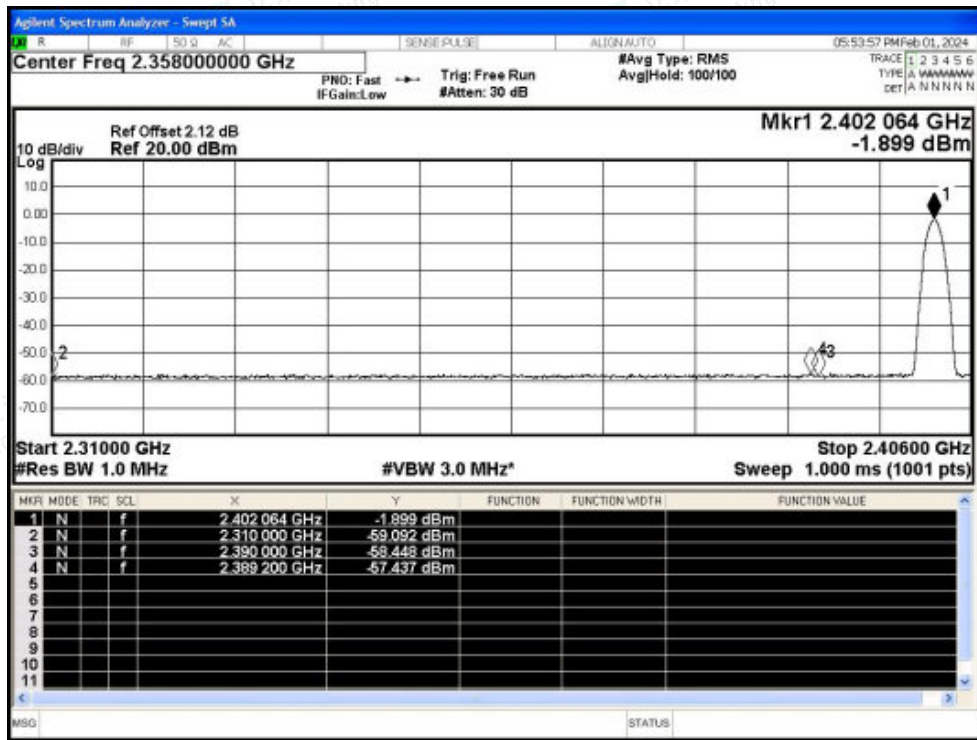


Test Graphs

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

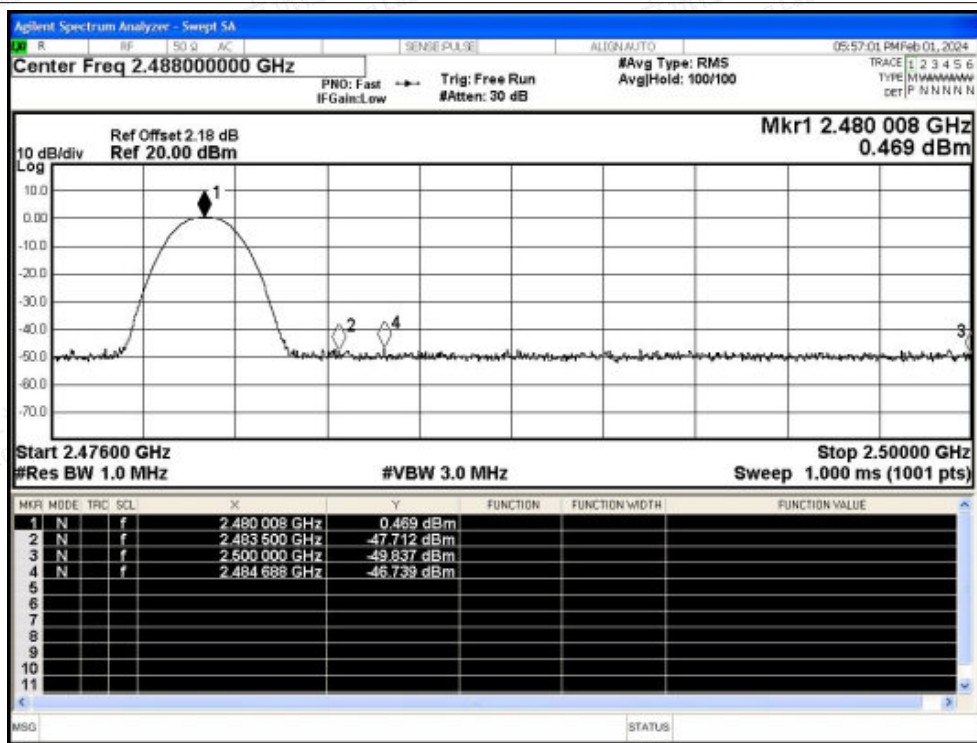


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

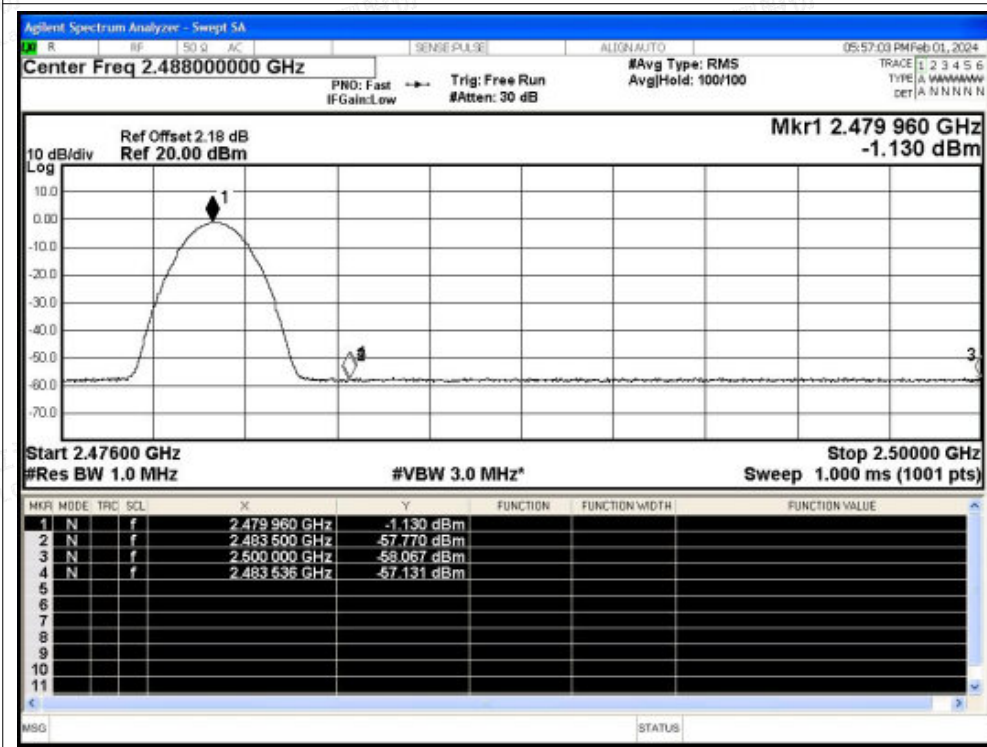




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

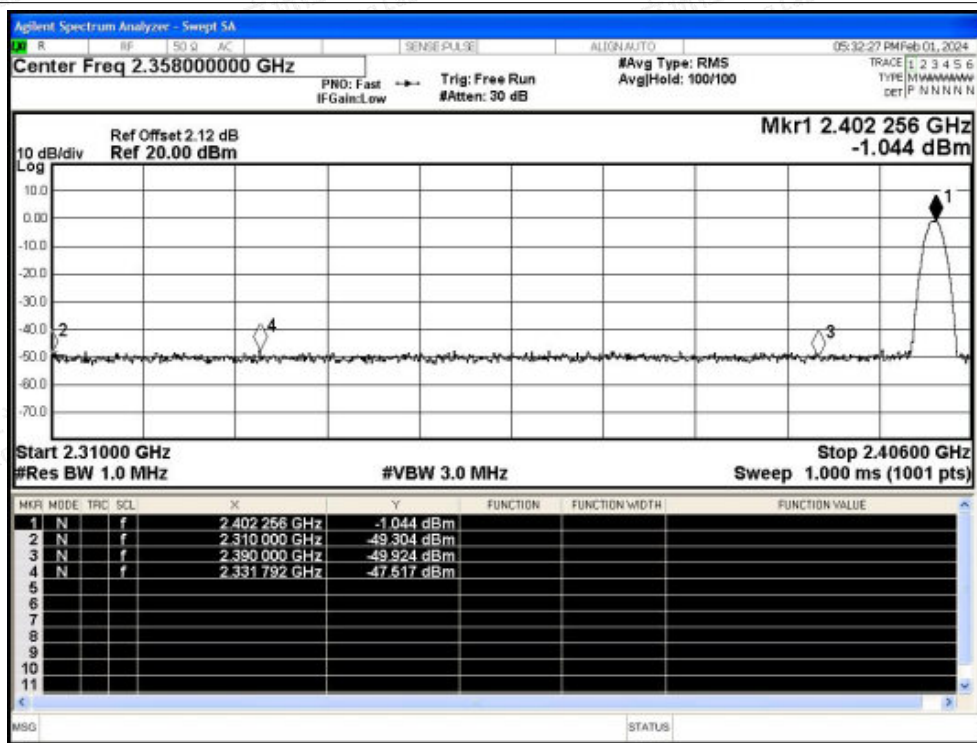


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

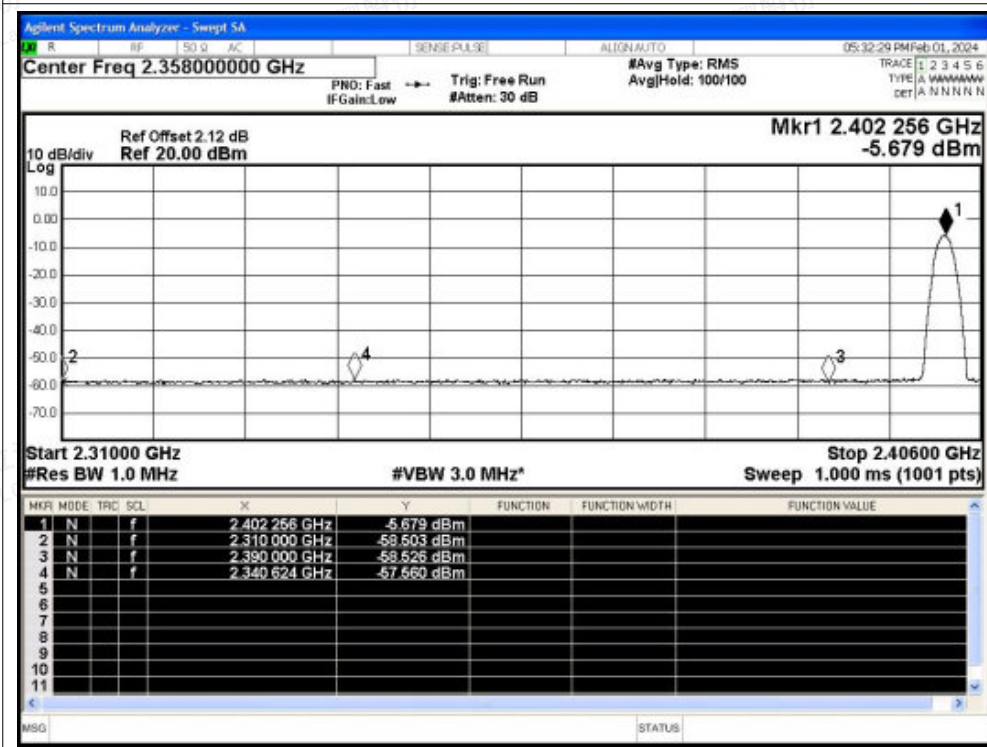




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

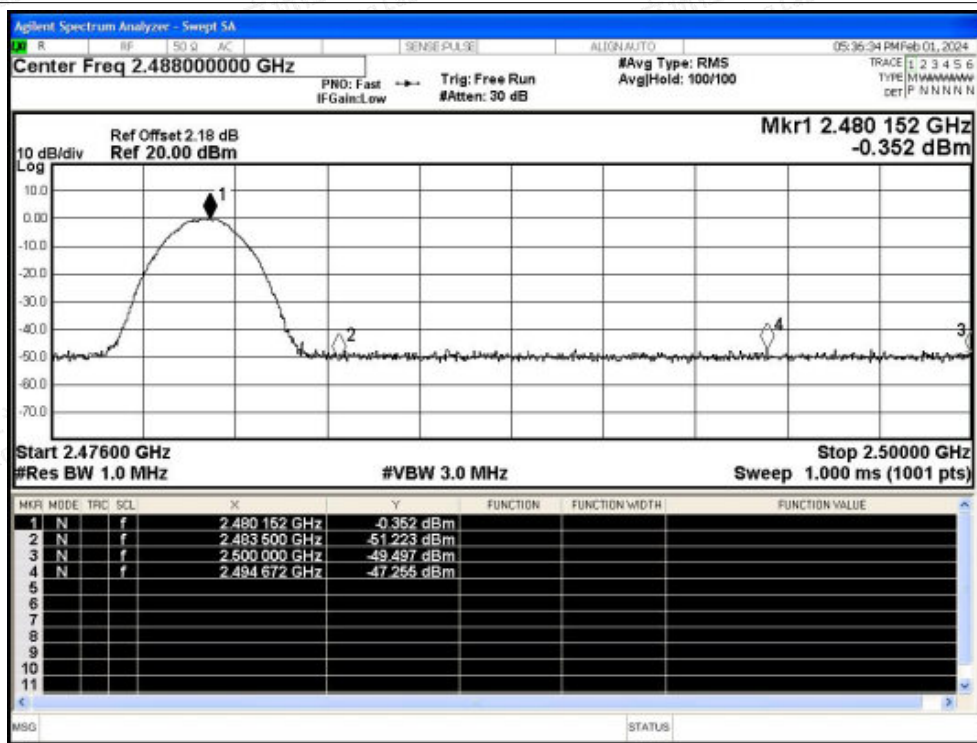


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

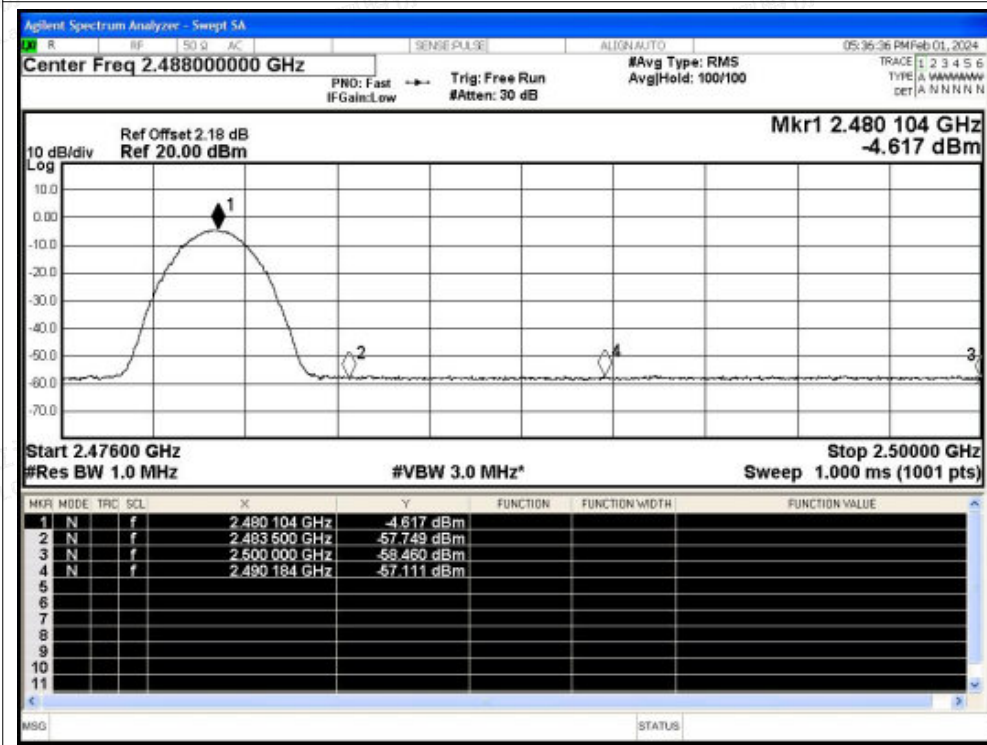




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

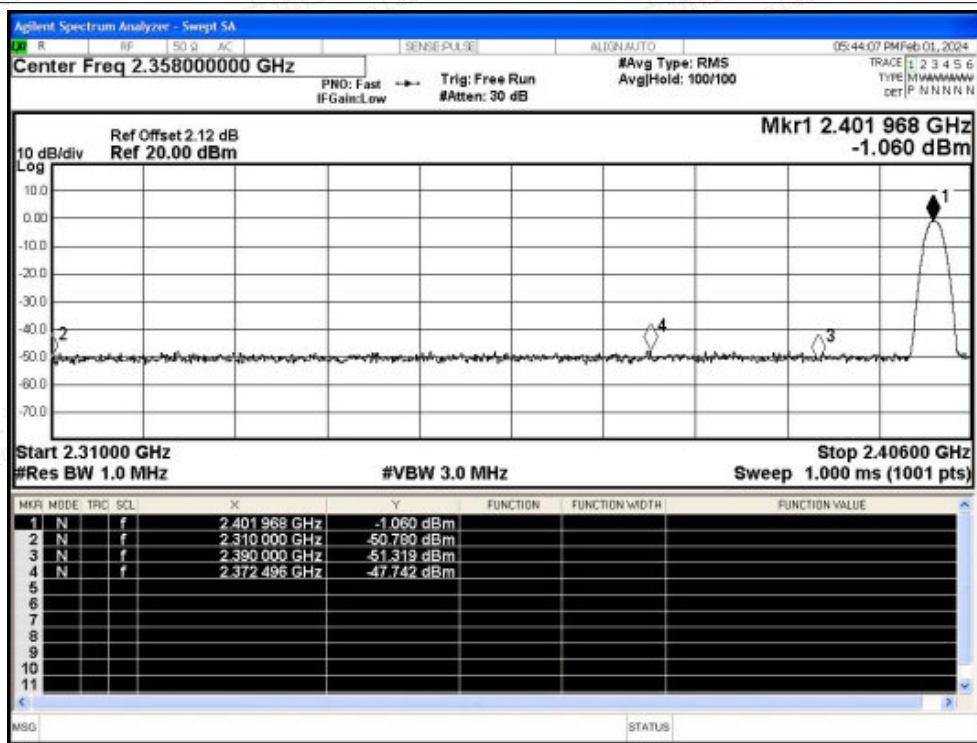


Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average

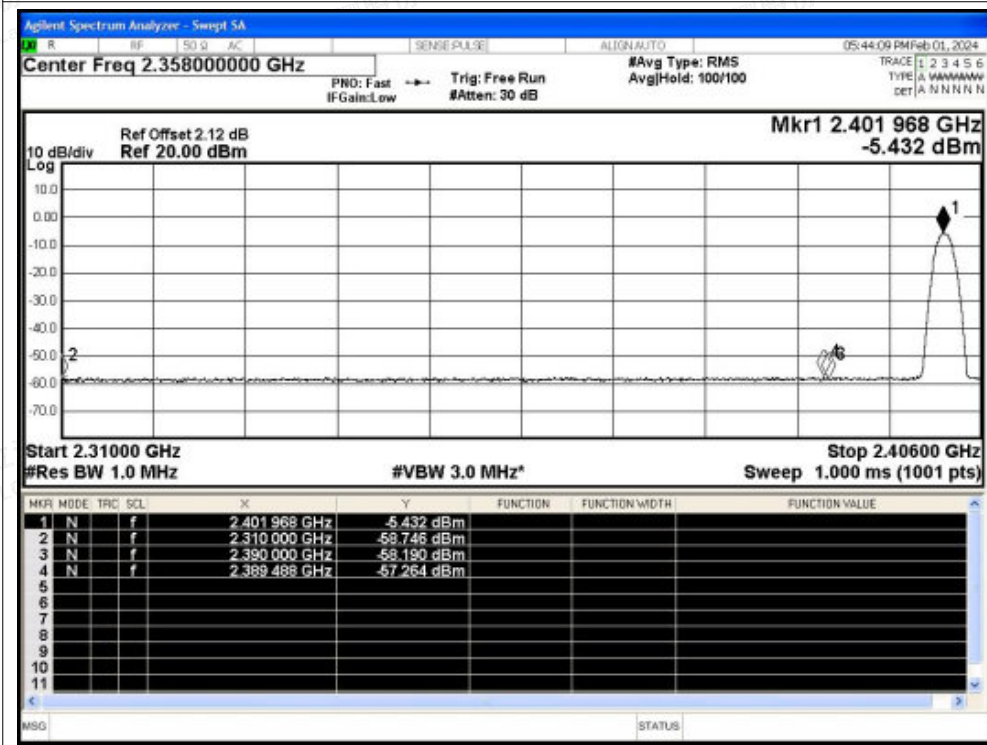




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

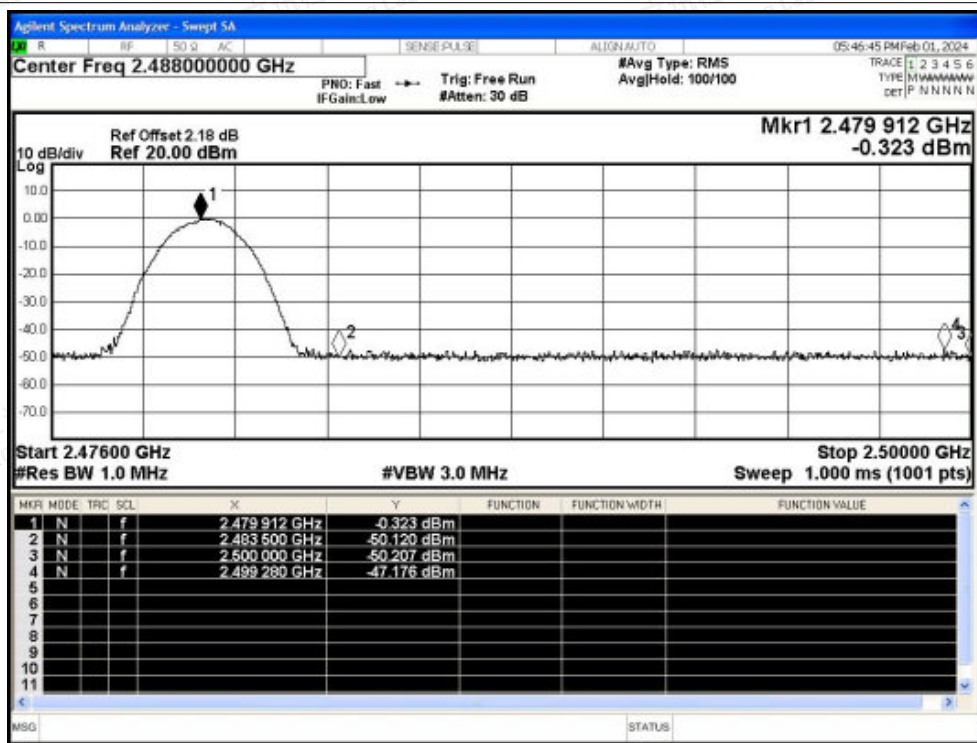


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average

