



## Appendix A

### RF Test Data for BT (Conducted Measurement)

Product Name: TD-LTE digital mobile phone

Test Model: XS18 Pro Max

#### 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	BT ANT	0.966	N/A	Pass
NVNT	1-DH5	2441	BT ANT	1.024	N/A	Pass
NVNT	1-DH5	2480	BT ANT	0.962	N/A	Pass
NVNT	2-DH5	2402	BT ANT	1.315	N/A	Pass
NVNT	2-DH5	2441	BT ANT	1.281	N/A	Pass
NVNT	2-DH5	2480	BT ANT	1.286	N/A	Pass
NVNT	3-DH5	2402	BT ANT	1.296	N/A	Pass
NVNT	3-DH5	2441	BT ANT	1.299	N/A	Pass
NVNT	3-DH5	2480	BT ANT	1.313	N/A	Pass

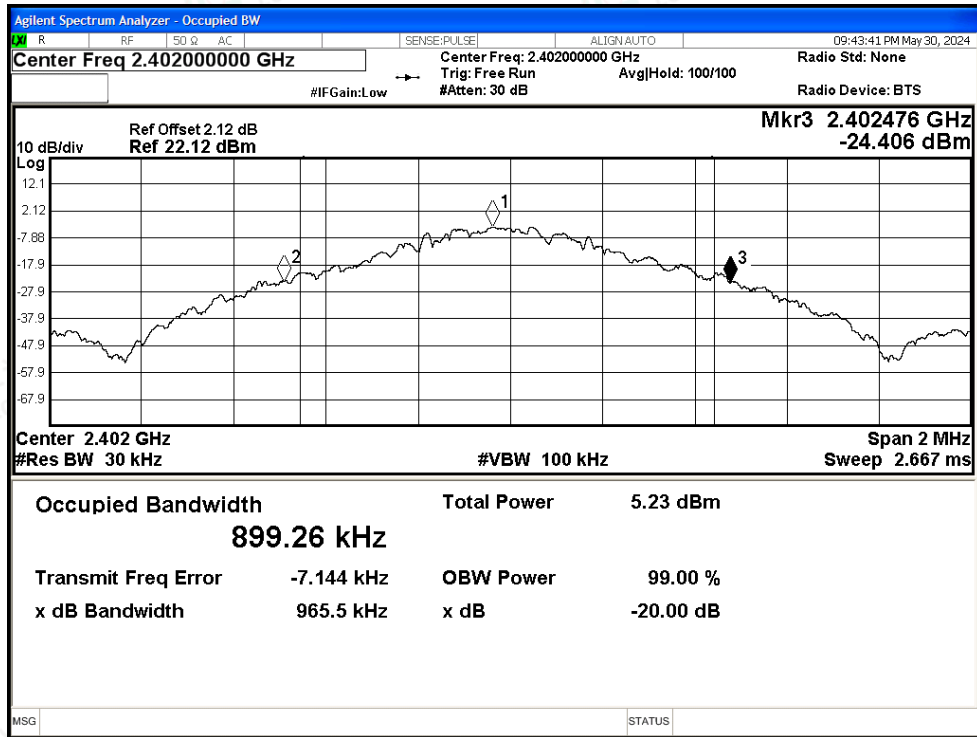


Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

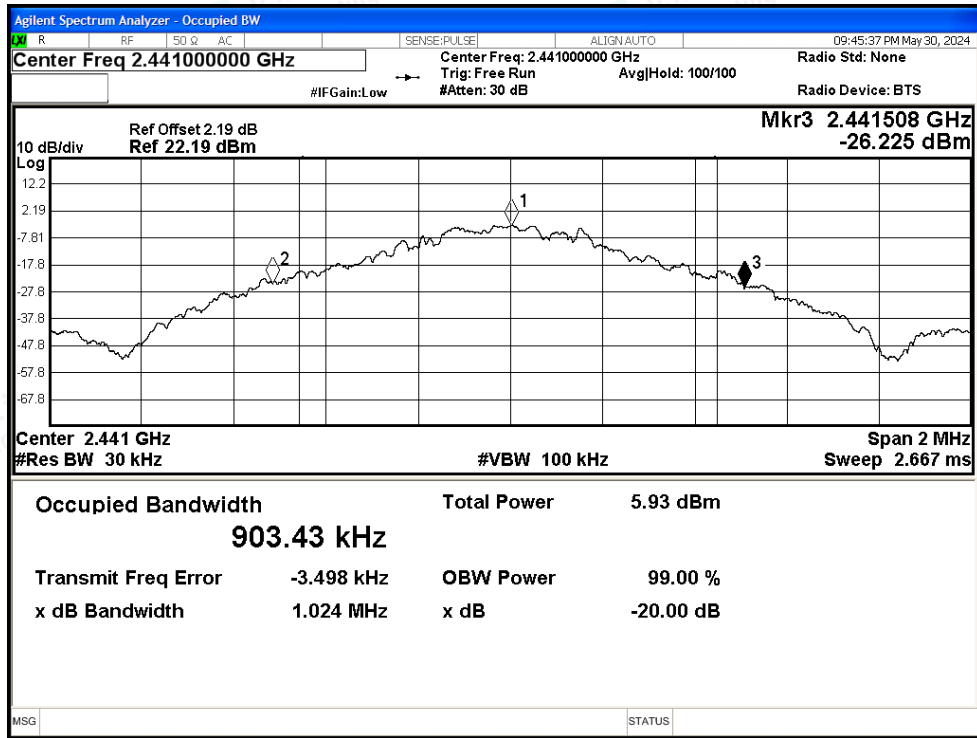


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz BT ANT

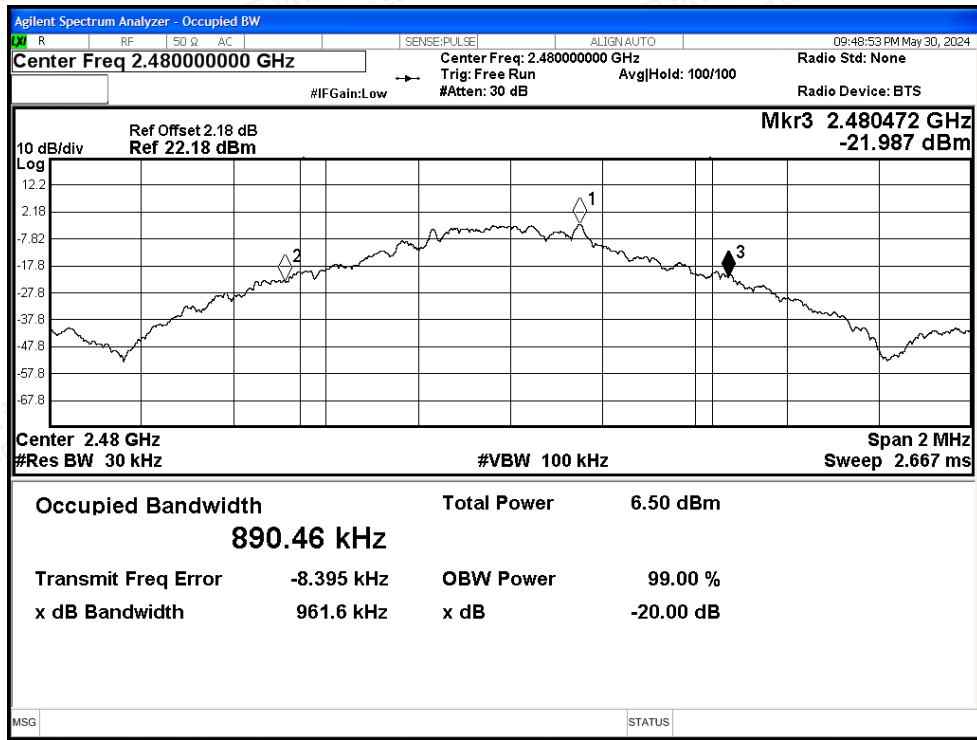


-20dB Bandwidth NVNT 1-DH5 2441MHz BT ANT

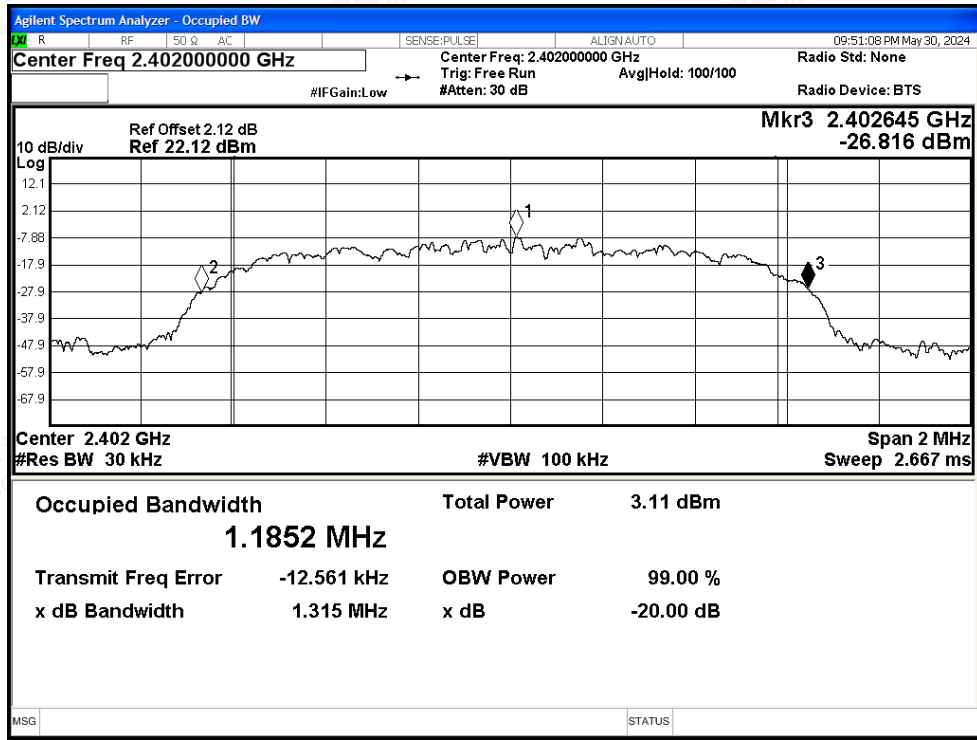




-20dB Bandwidth NVNT 1-DH5 2480MHz BT ANT

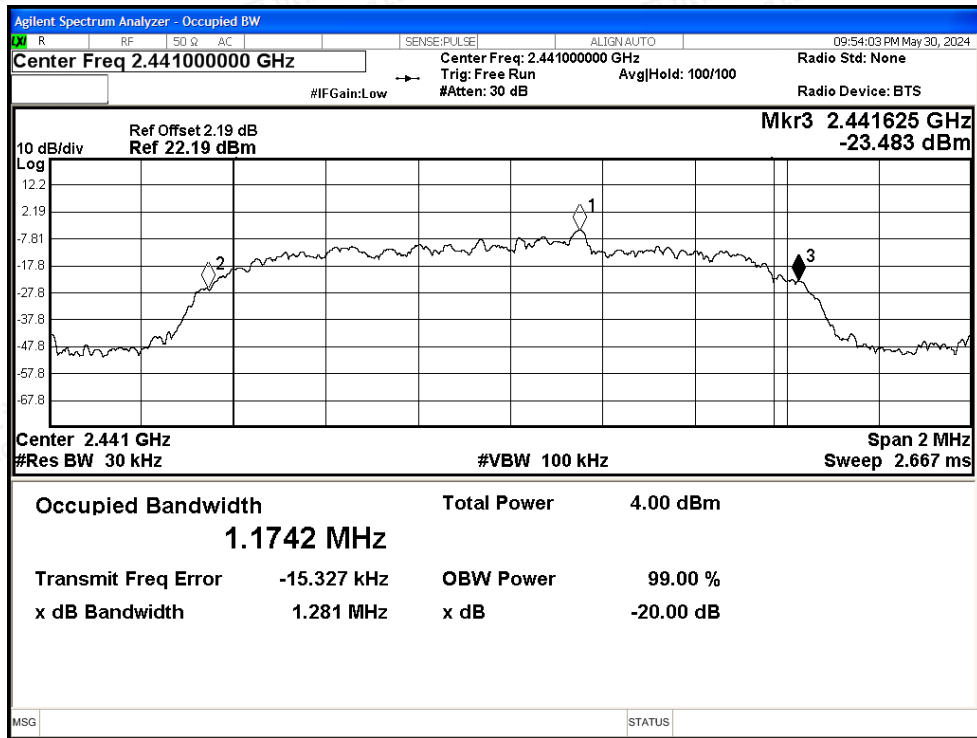


-20dB Bandwidth NVNT 2-DH5 2402MHz BT ANT

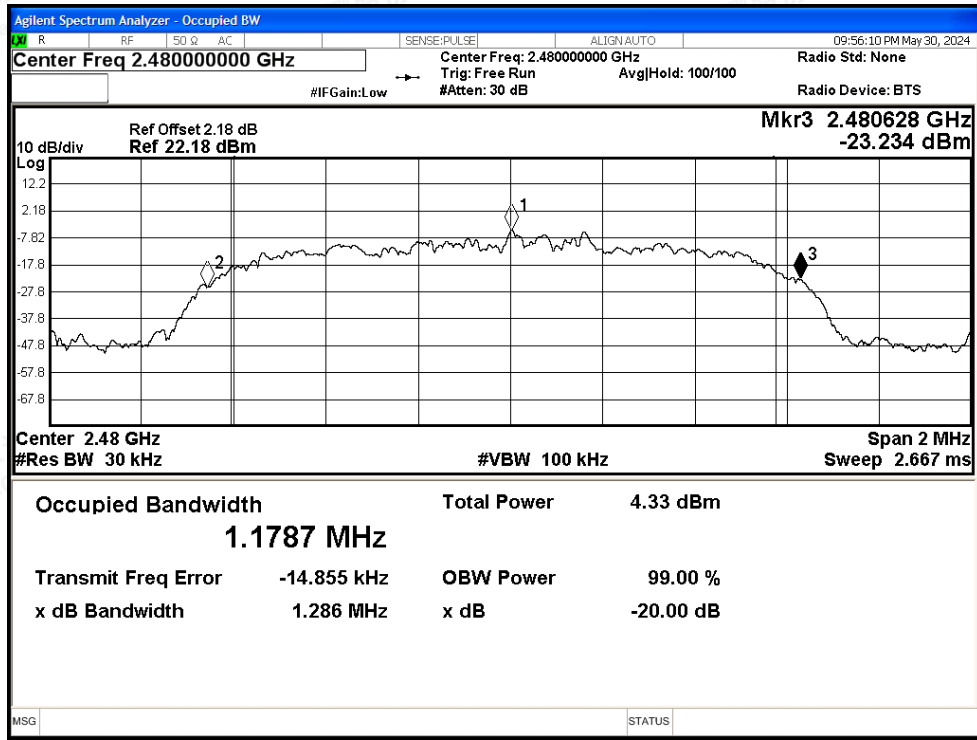




-20dB Bandwidth NVNT 2-DH5 2441MHz BT ANT

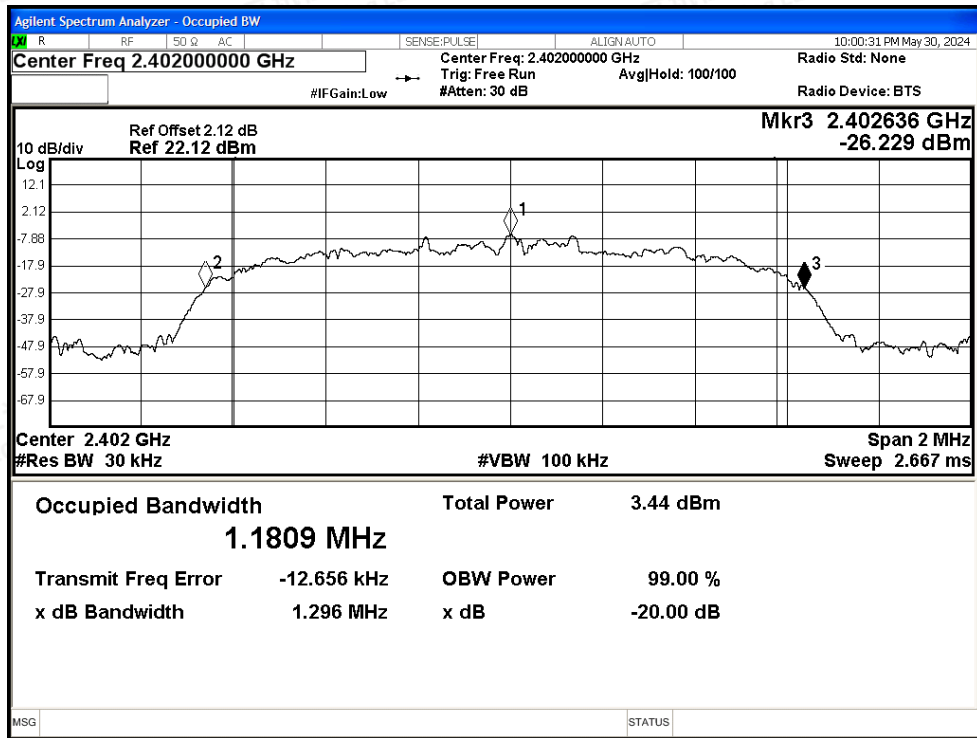


-20dB Bandwidth NVNT 2-DH5 2480MHz BT ANT

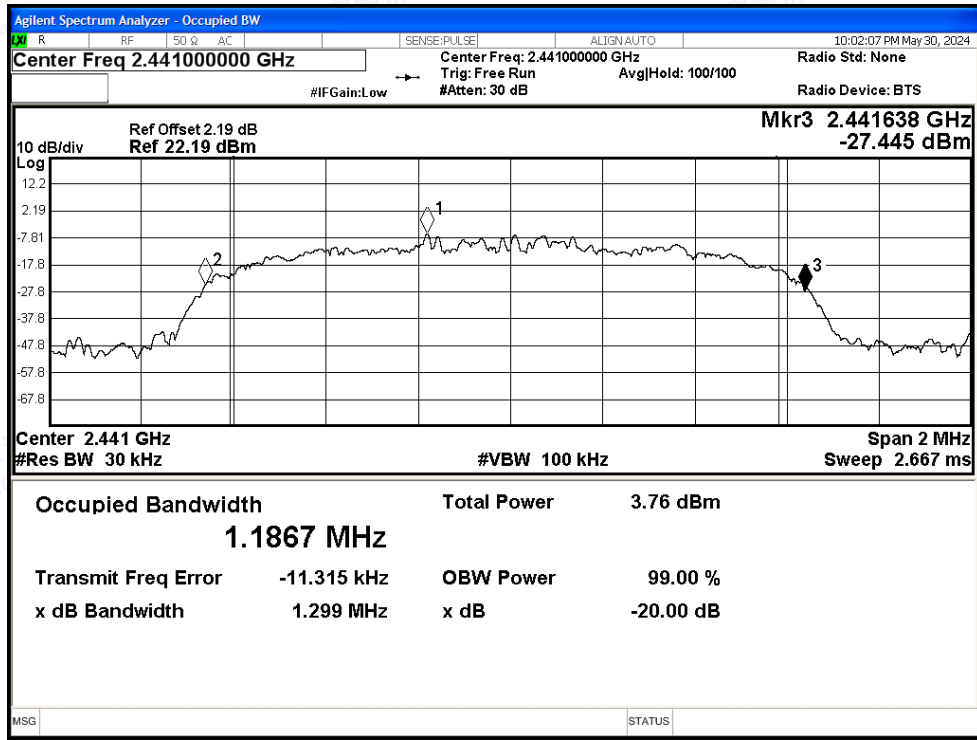


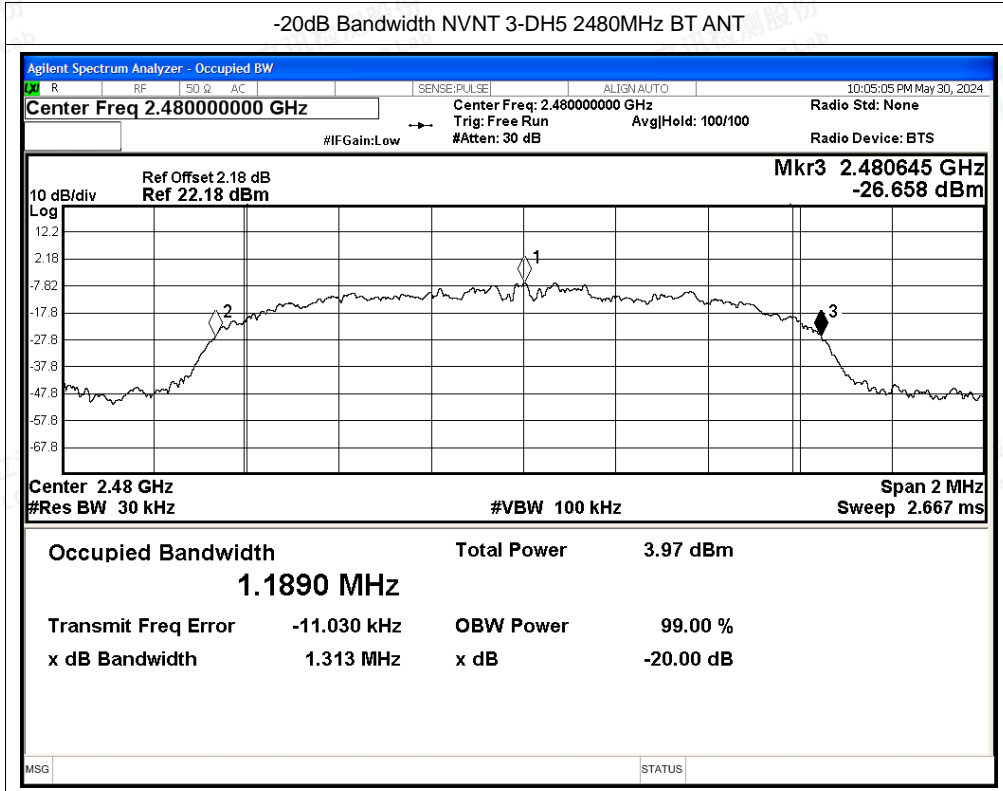


-20dB Bandwidth NVNT 3-DH5 2402MHz BT ANT



-20dB Bandwidth NVNT 3-DH5 2441MHz BT ANT







## A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	BT ANT	-0.92	21	Pass
NVNT	1-DH5	2441	BT ANT	-0.31	21	Pass
NVNT	1-DH5	2480	BT ANT	-0.02	21	Pass
NVNT	2-DH5	2402	BT ANT	-1.14	21	Pass
NVNT	2-DH5	2441	BT ANT	-0.54	21	Pass
NVNT	2-DH5	2480	BT ANT	-0.26	21	Pass
NVNT	3-DH5	2402	BT ANT	-1.11	21	Pass
NVNT	3-DH5	2441	BT ANT	-0.51	21	Pass
NVNT	3-DH5	2480	BT ANT	-0.21	21	Pass

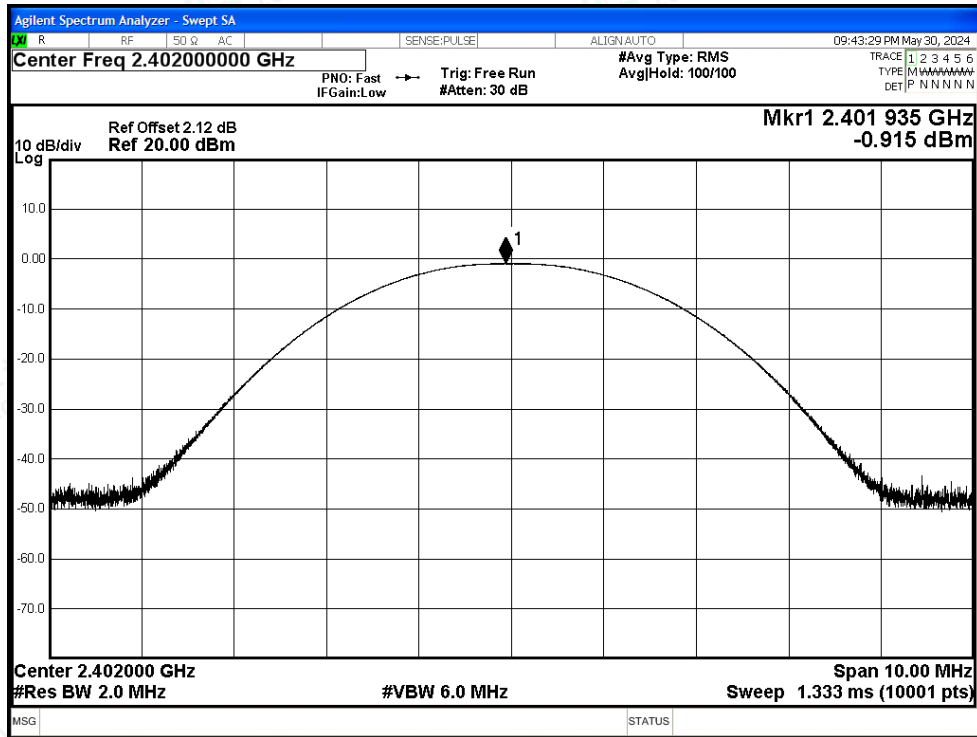




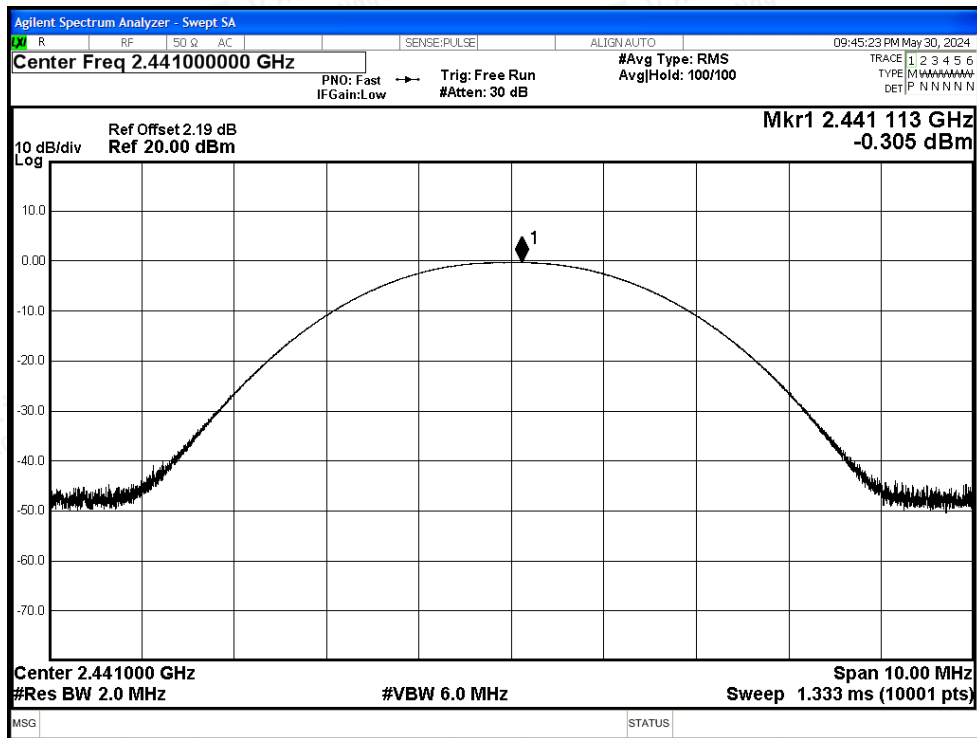


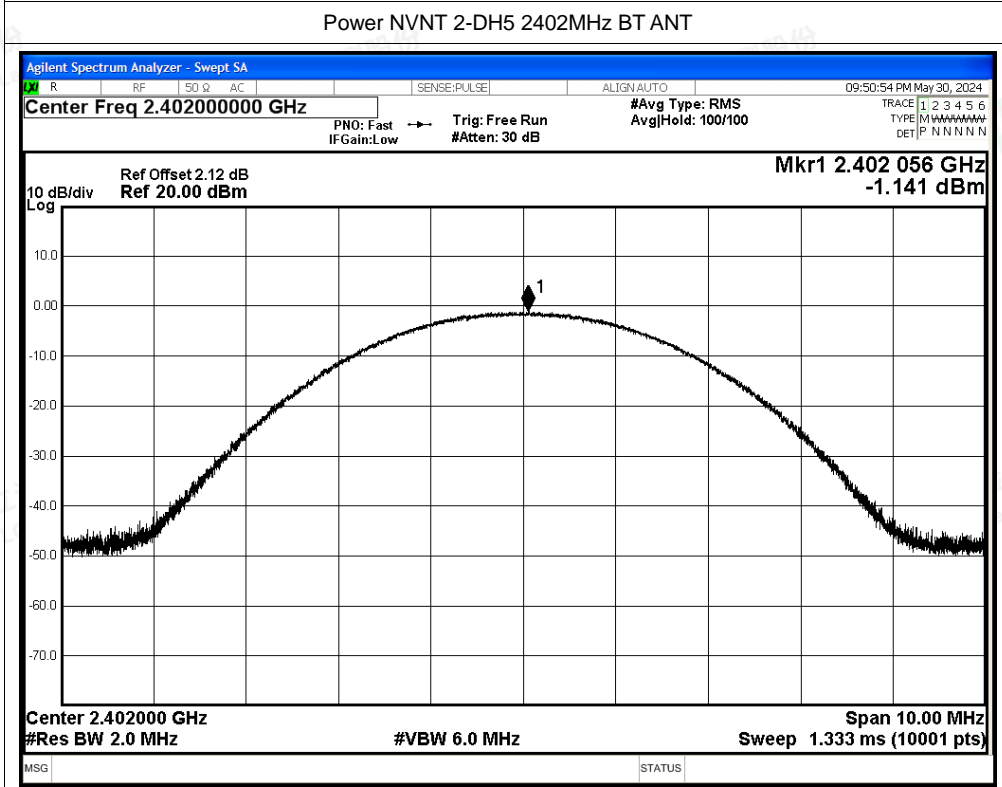
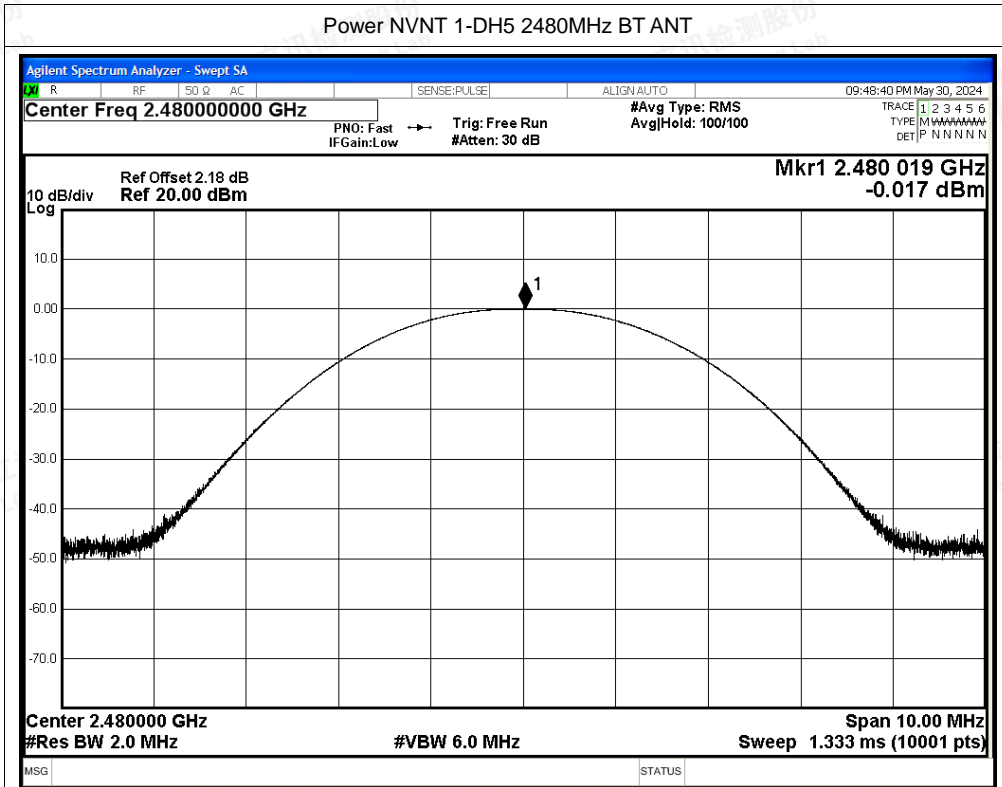
Test Graphs

Power NVNT 1-DH5 2402MHz BT ANT



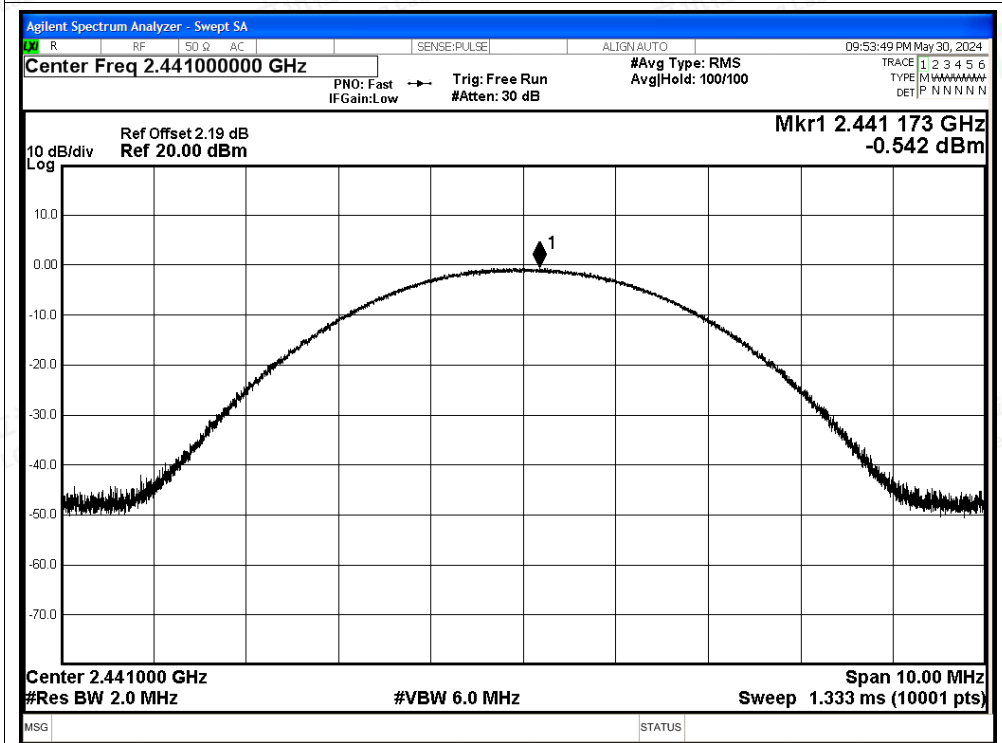
Power NVNT 1-DH5 2441MHz BT ANT



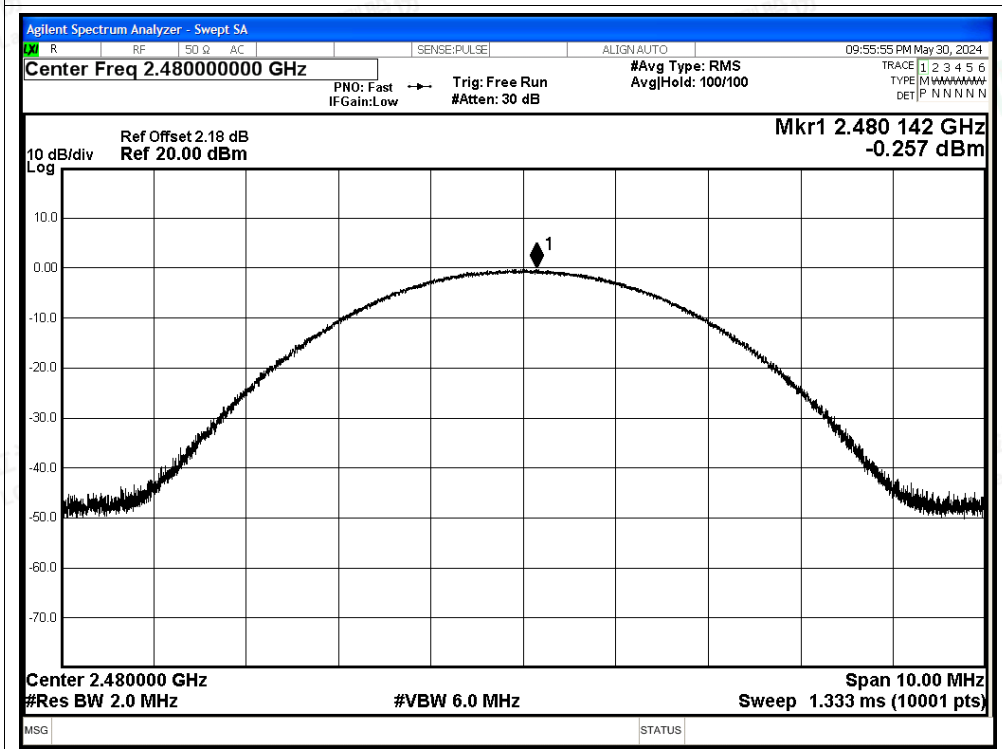


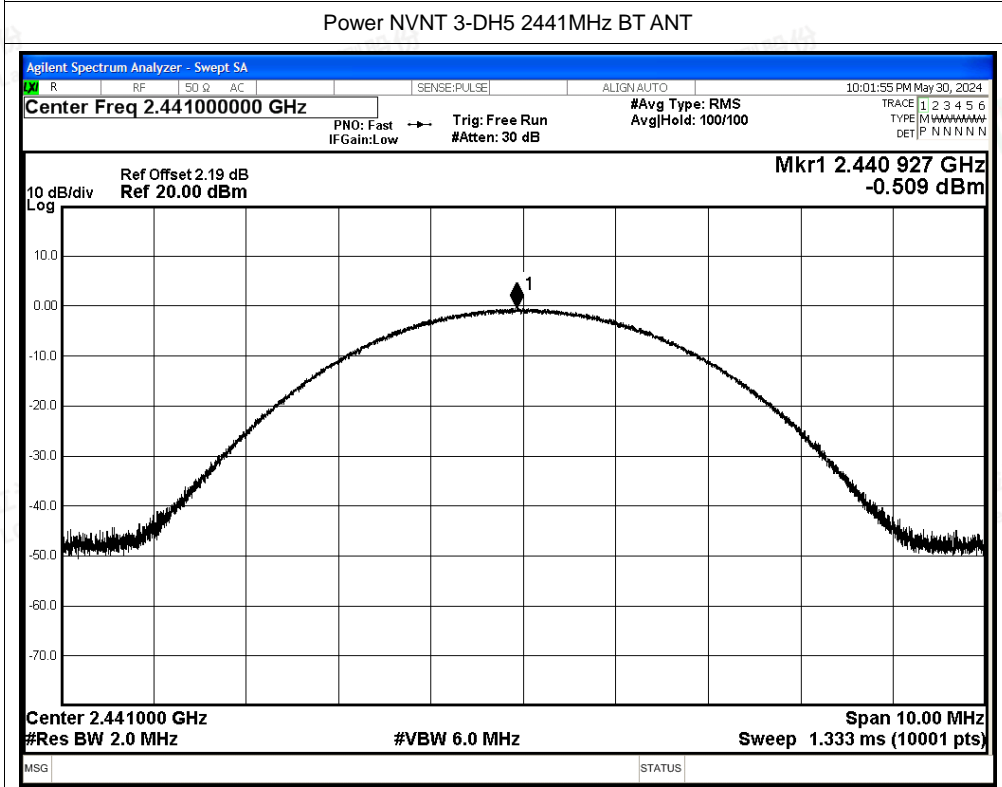
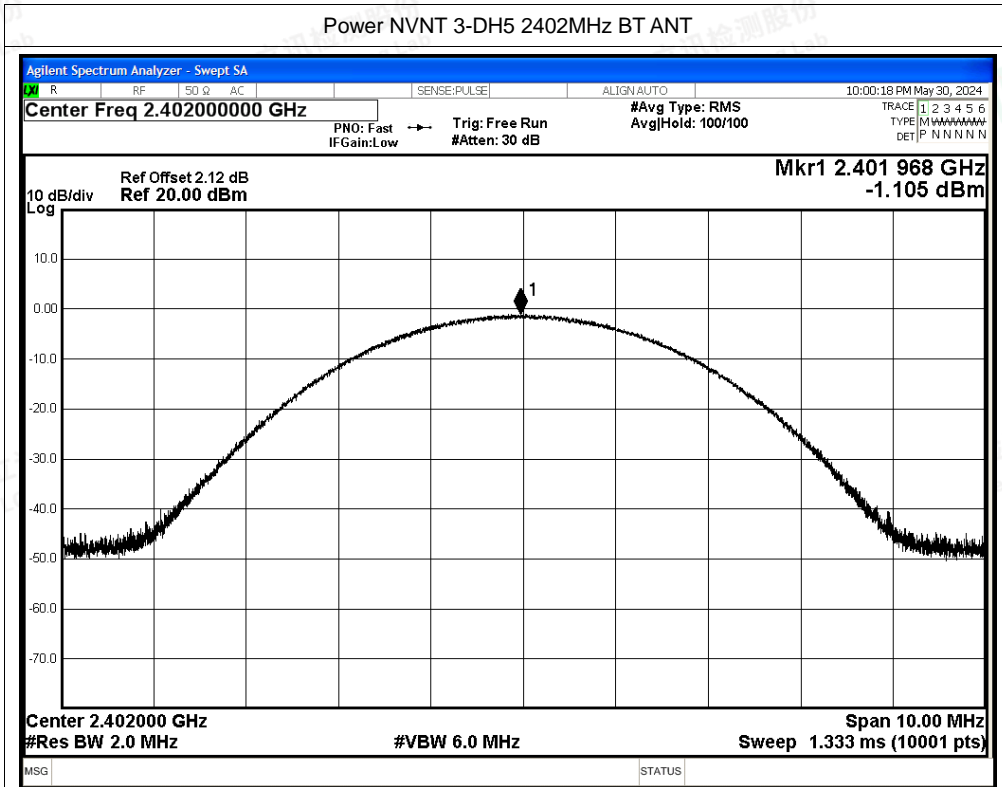


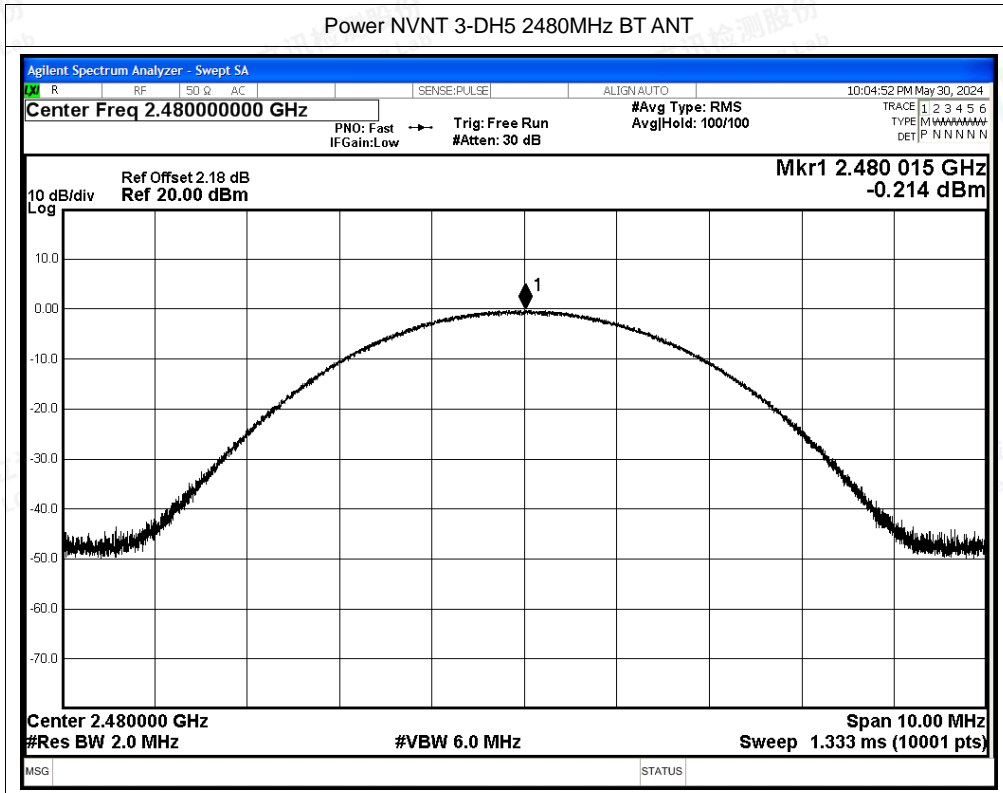
Power NVNT 2-DH5 2441MHz BT ANT



Power NVNT 2-DH5 2480MHz BT ANT









### A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	BT ANT	2402.006	2402.96	0.954	0.683	Pass
NVNT	2-DH5	BT ANT	2401.998	2403.15	1.152	0.877	Pass
NVNT	3-DH5	BT ANT	2402.146	2403.01	0.864	0.875	Pass

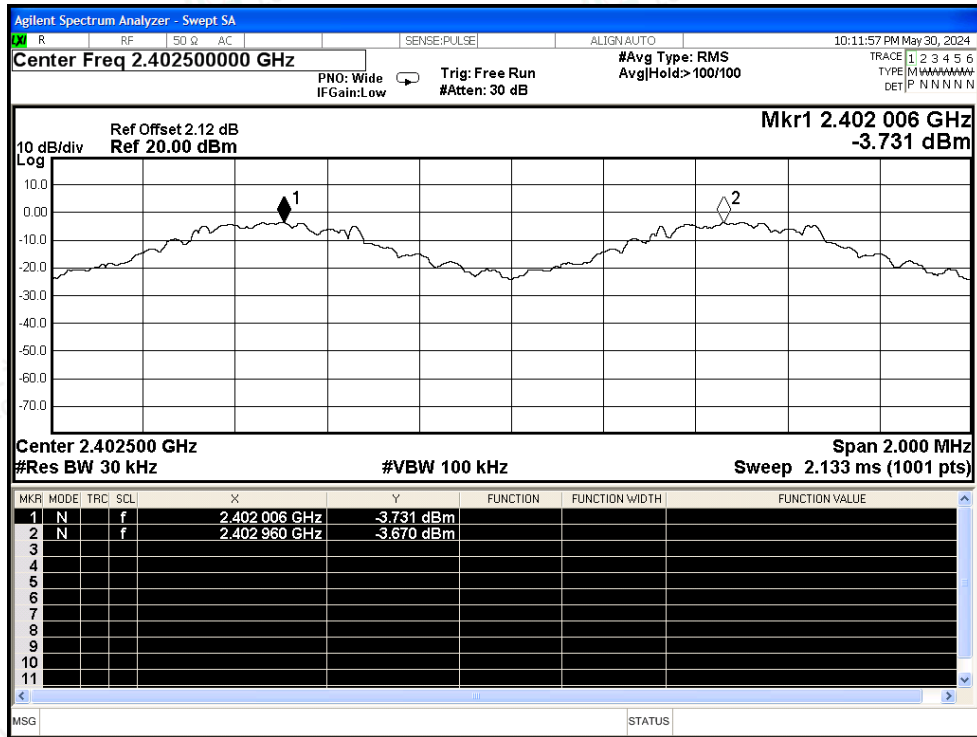


Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

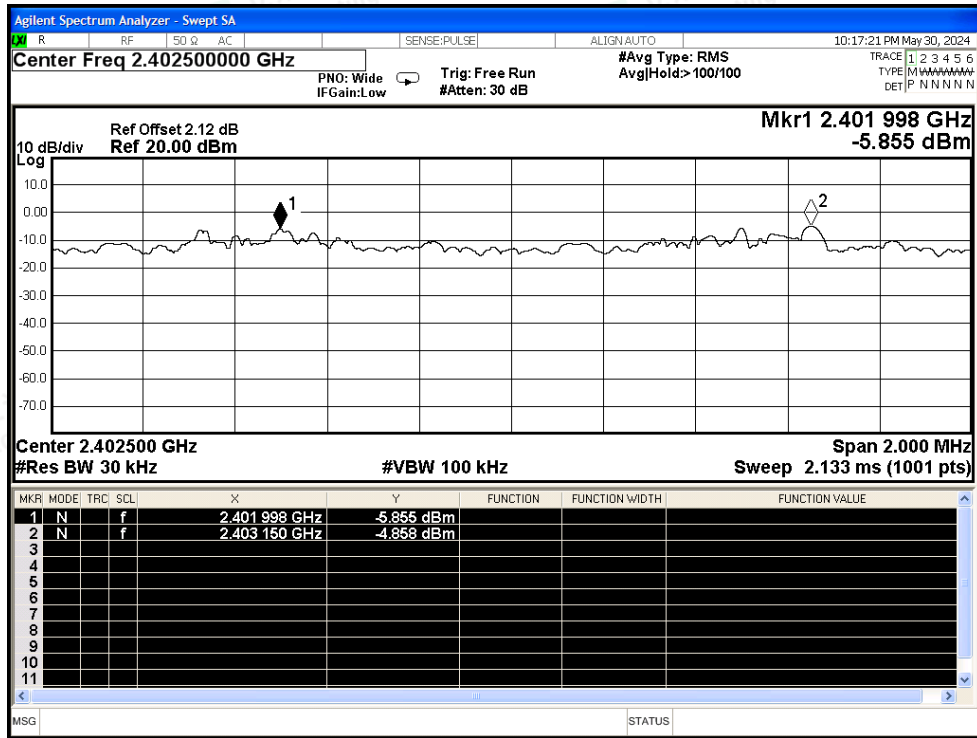


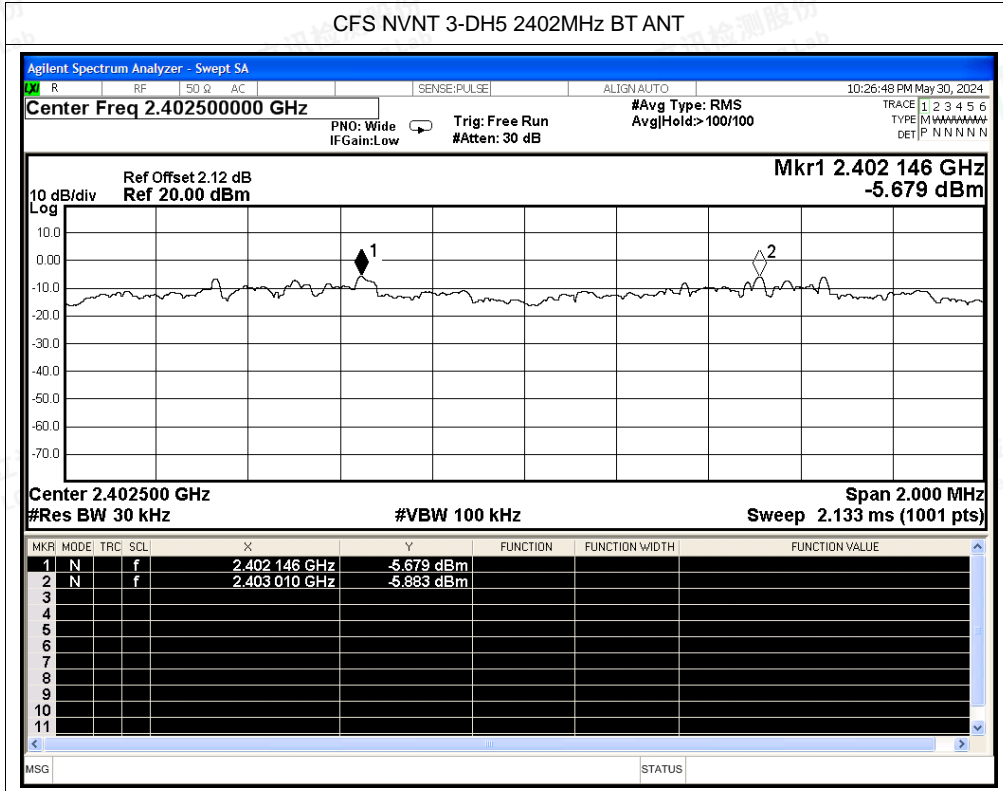
Test Graphs

CFS NVNT 1-DH5 2402MHz BT ANT



CFS NVNT 2-DH5 2402MHz BT 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	BT ANT	2.882	282.436	98	31600	400	Pass
NVNT	2-DH5	2402	BT ANT	2.885	302.925	105	31600	400	Pass
NVNT	3-DH5	2402	BT ANT	2.881	302.505	105	31600	400	Pass

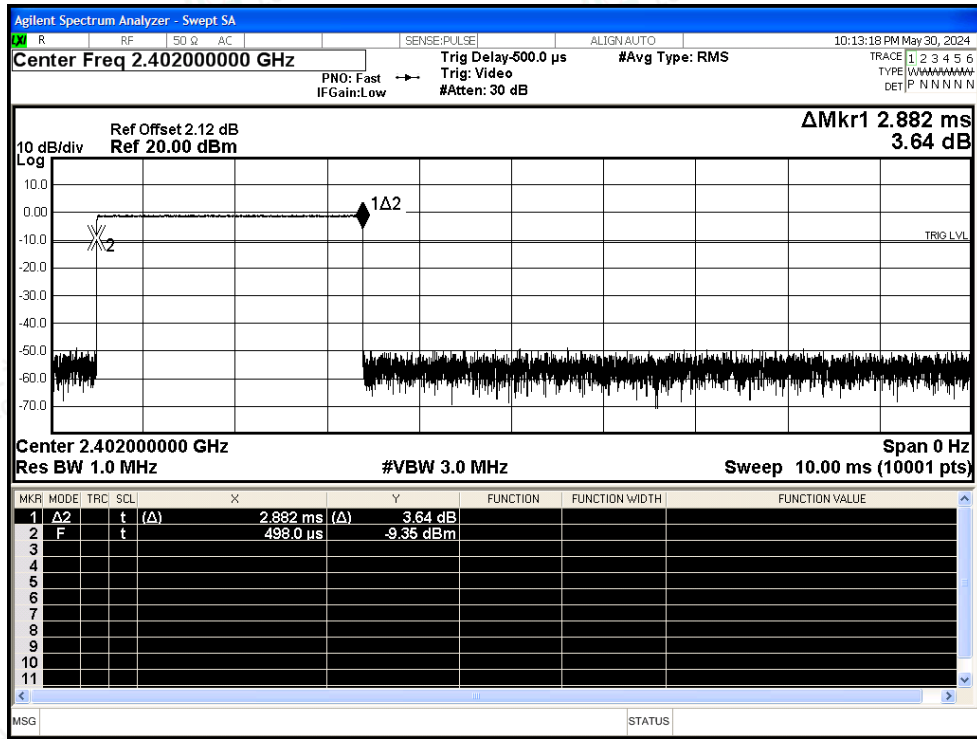


Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

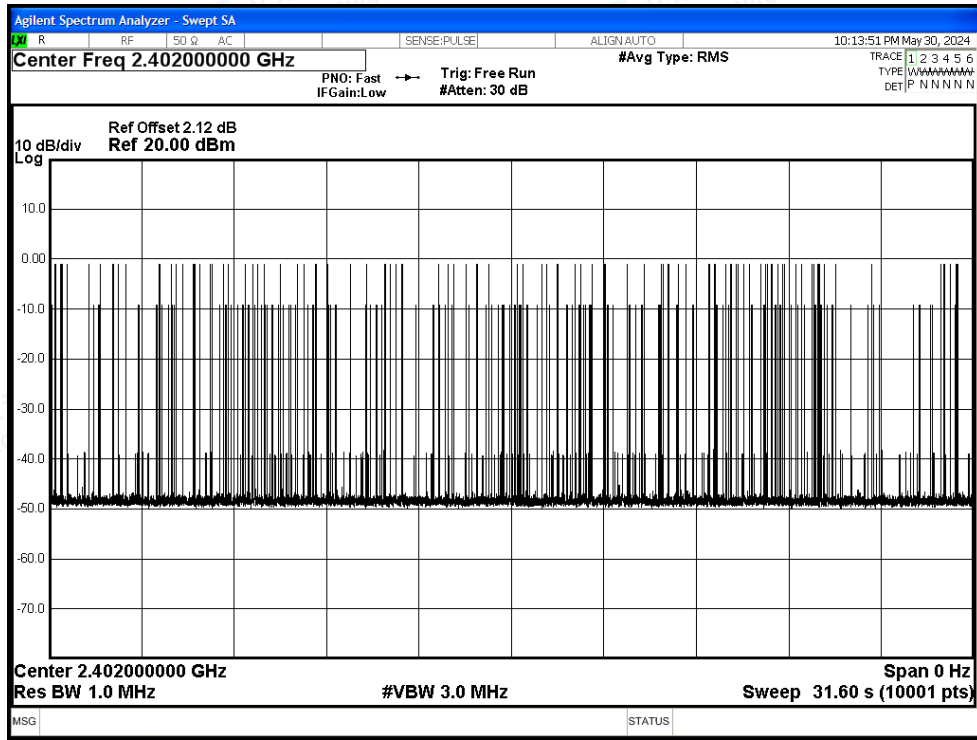


Test Graphs

Dwell NVNT 1-DH5 2402MHz BT ANT One Burst

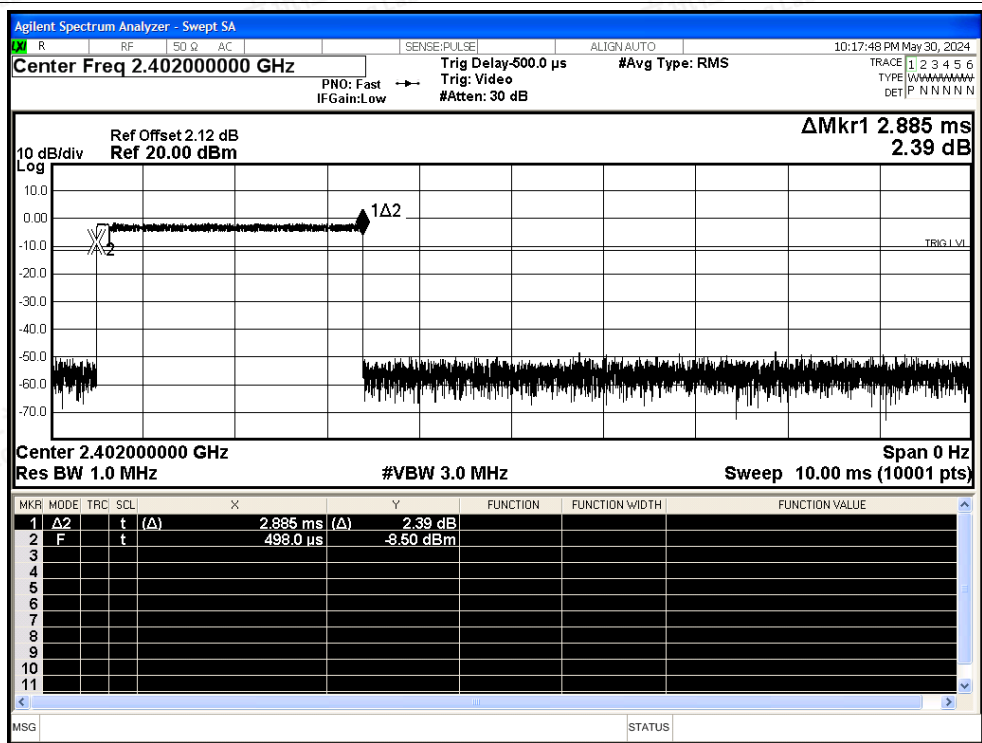


Dwell NVNT 1-DH5 2402MHz BT ANT Accumulated

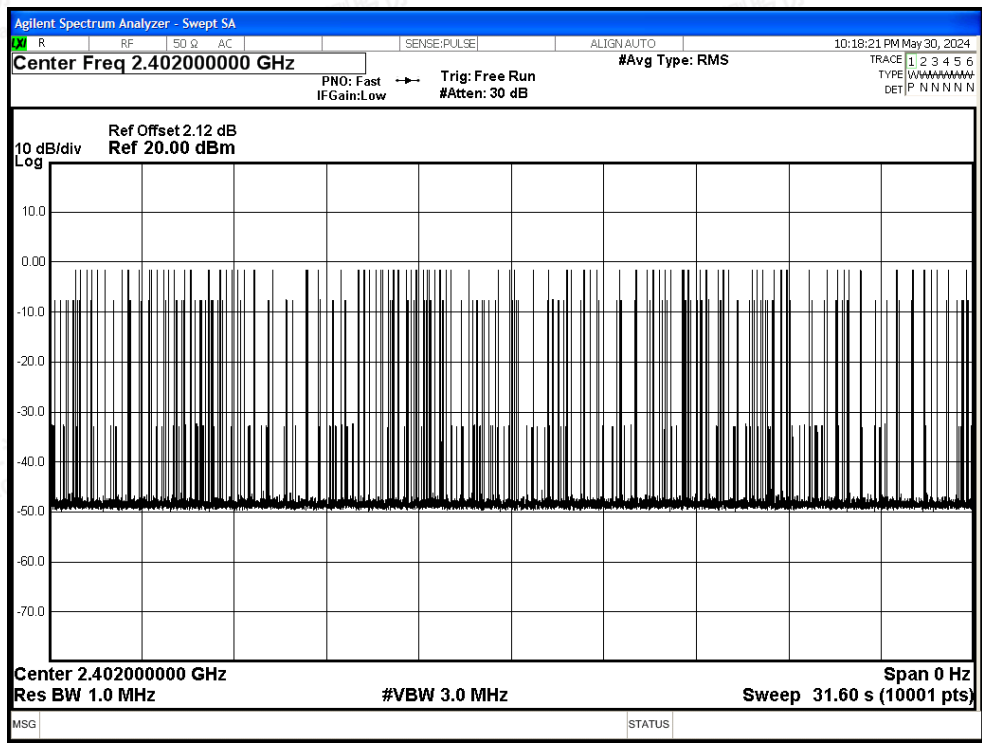


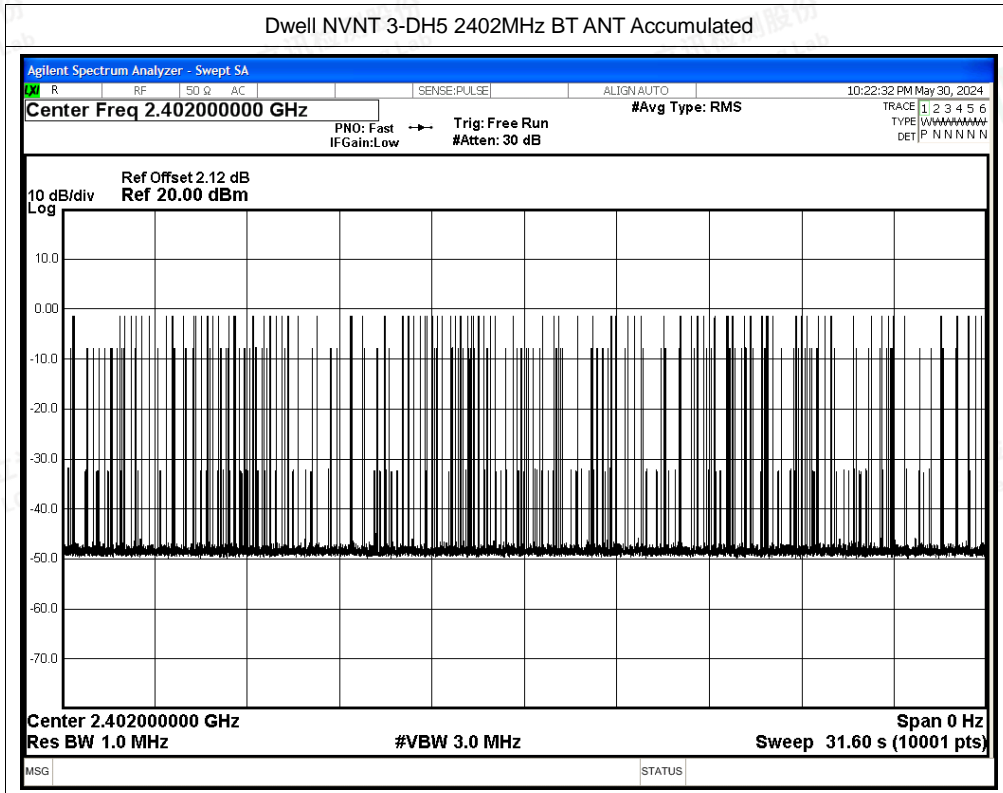


Dwell NVNT 2-DH5 2402MHz BT ANT One Burst



Dwell NVNT 2-DH5 2402MHz BT ANT Accumulated







## A.5 Number of Hopping Channel

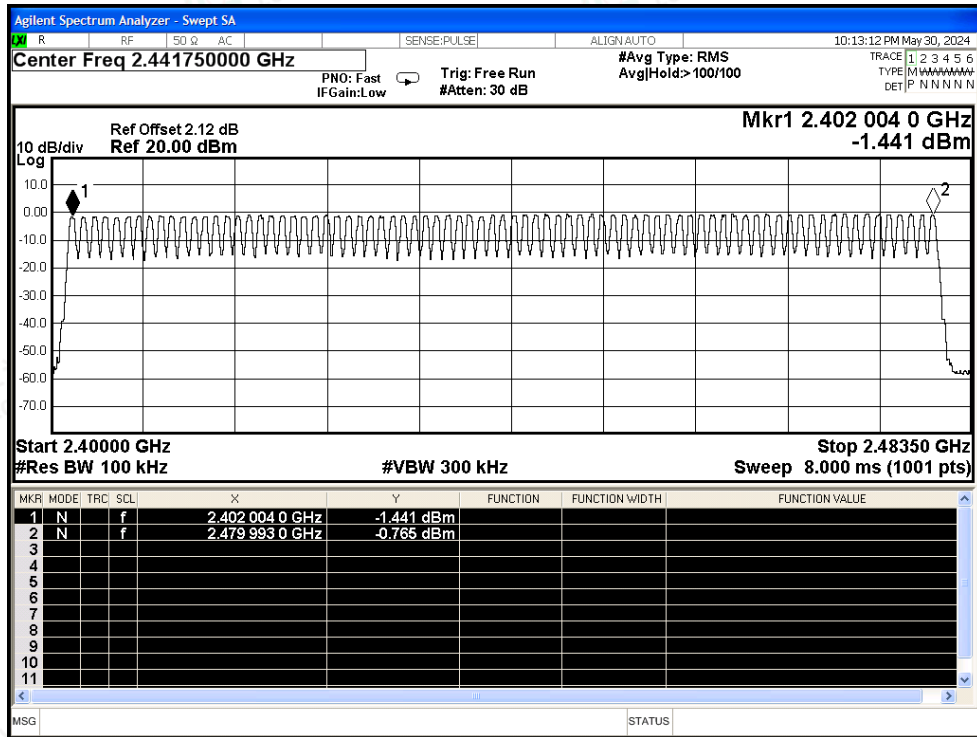
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	BT ANT	79	15	Pass
NVNT	2-DH5	BT ANT	79	15	Pass
NVNT	3-DH5	BT ANT	79	15	Pass



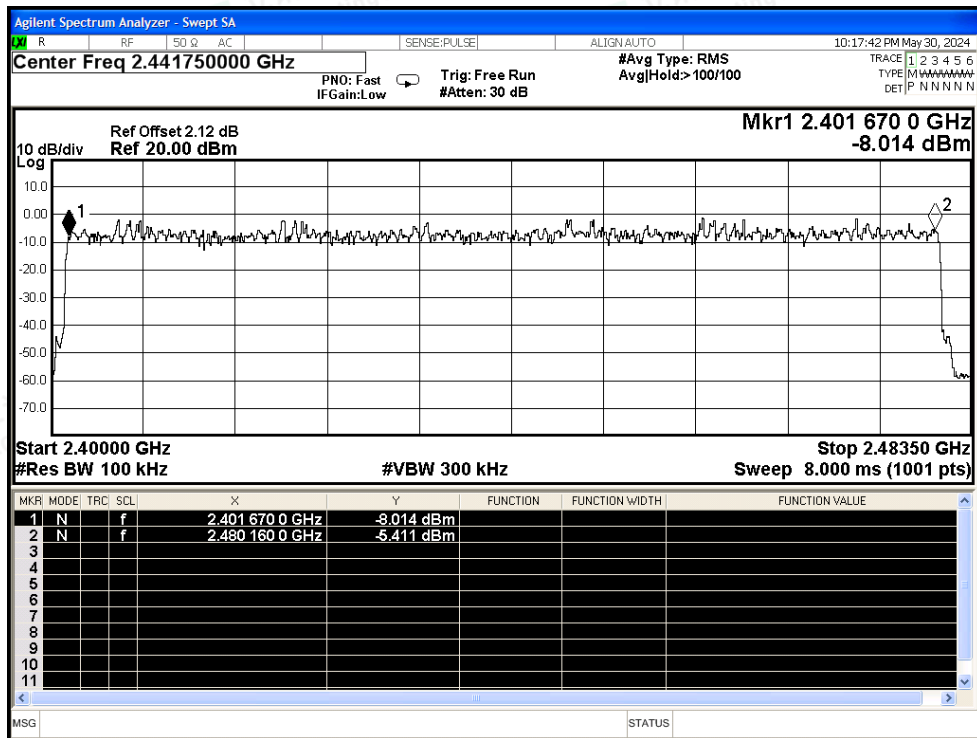


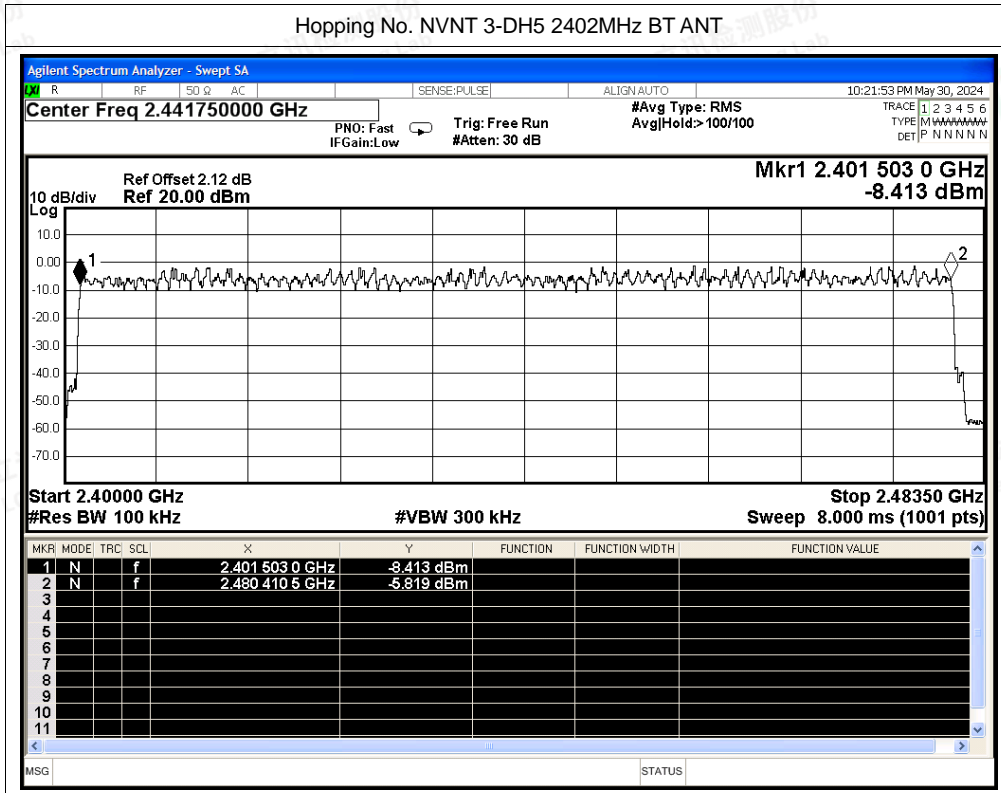
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz BT ANT



Hopping No. NVNT 2-DH5 2402MHz BT ANT







## A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	BT ANT	No-Hopping	-55.94	-20	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	-57.35	-20	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	-53.29	-20	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	-54.77	-20	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	-53.37	-20	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	-55.67	-20	Pass



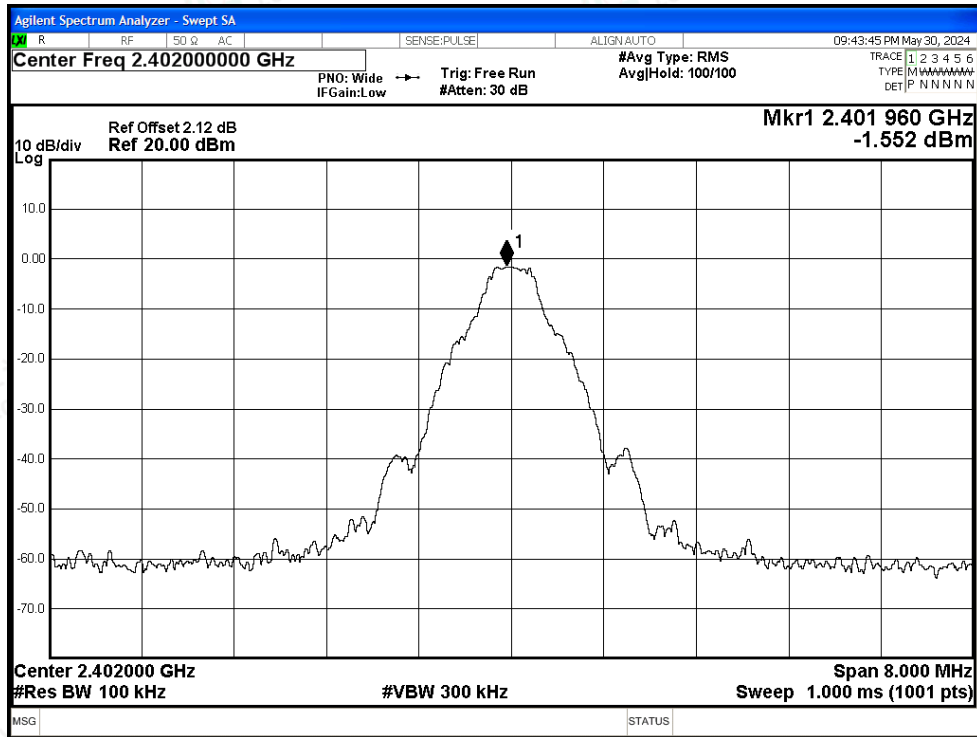
Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity



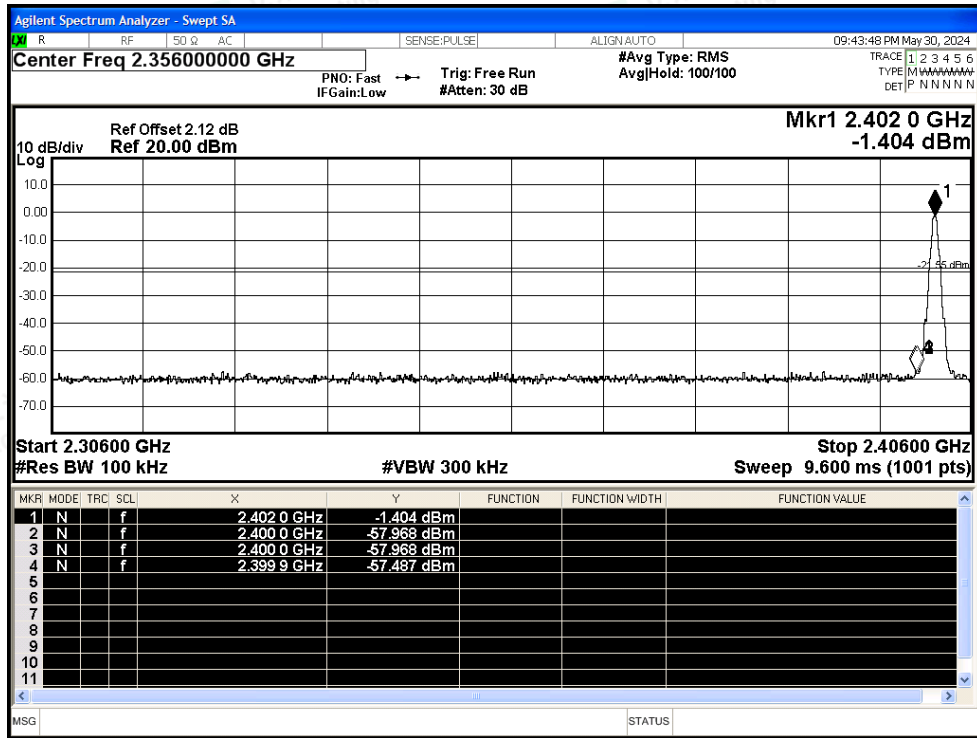


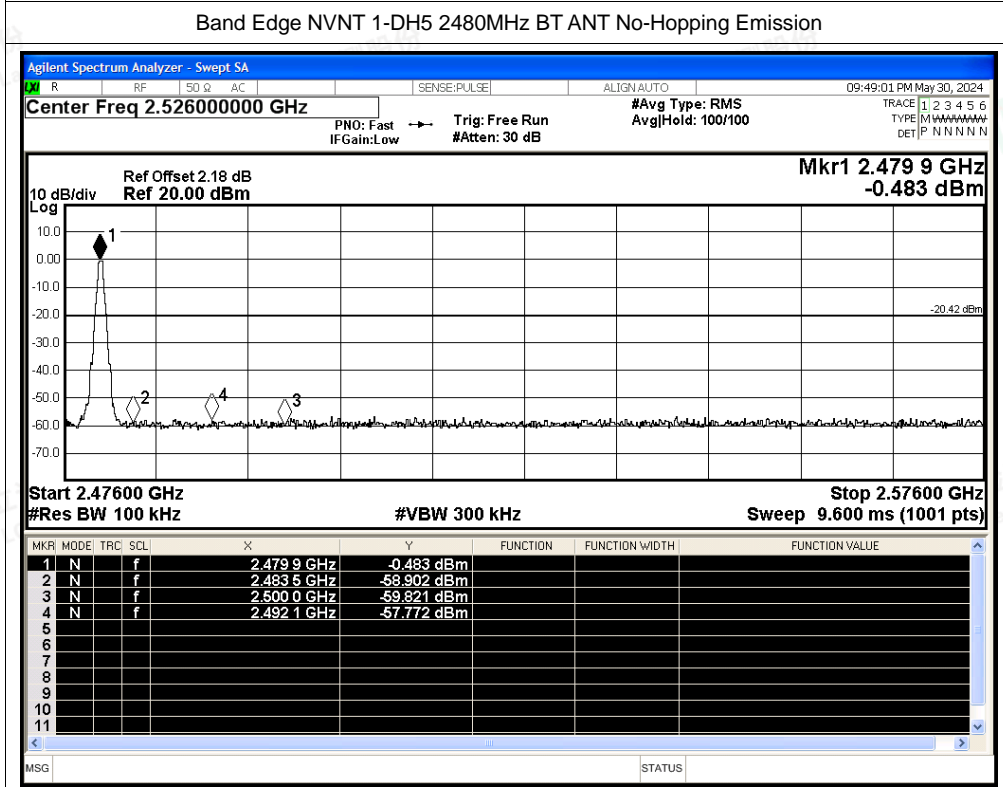
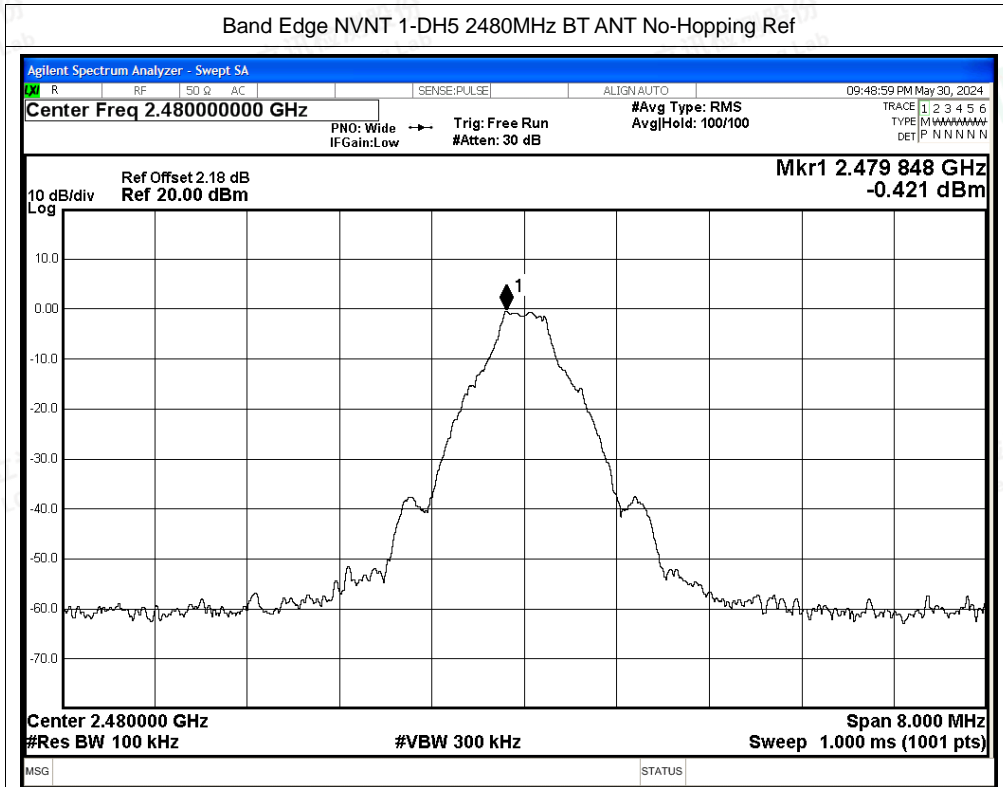
Test Graphs

Band Edge NVNT 1-DH5 2402MHz BT ANT No-Hopping Ref



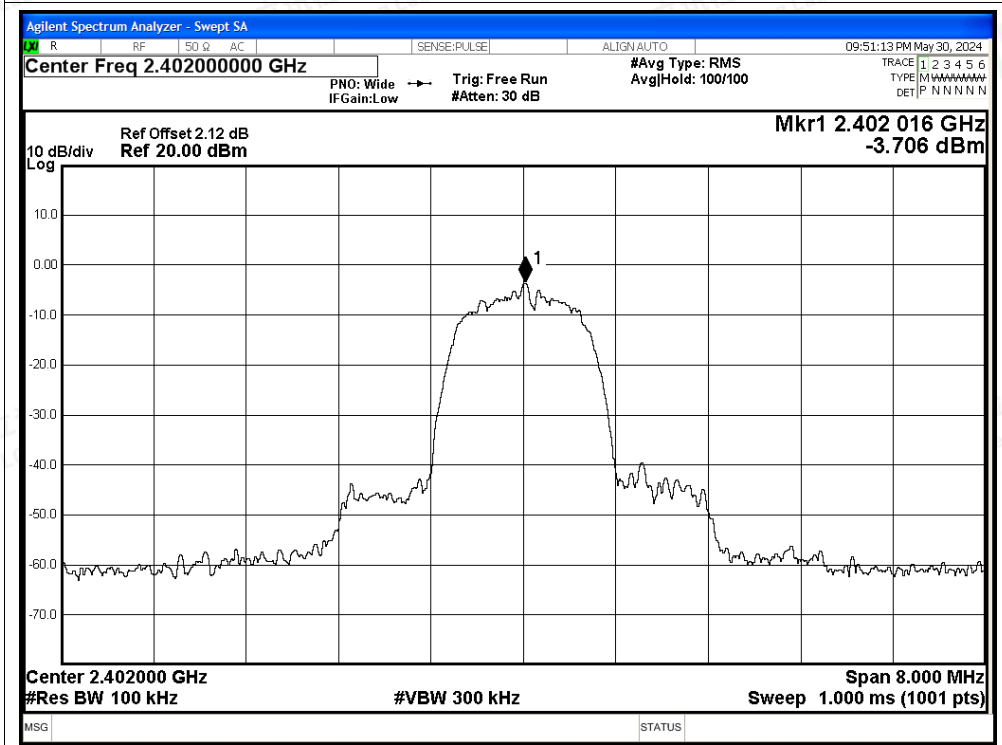
Band Edge NVNT 1-DH5 2402MHz BT ANT No-Hopping Emission



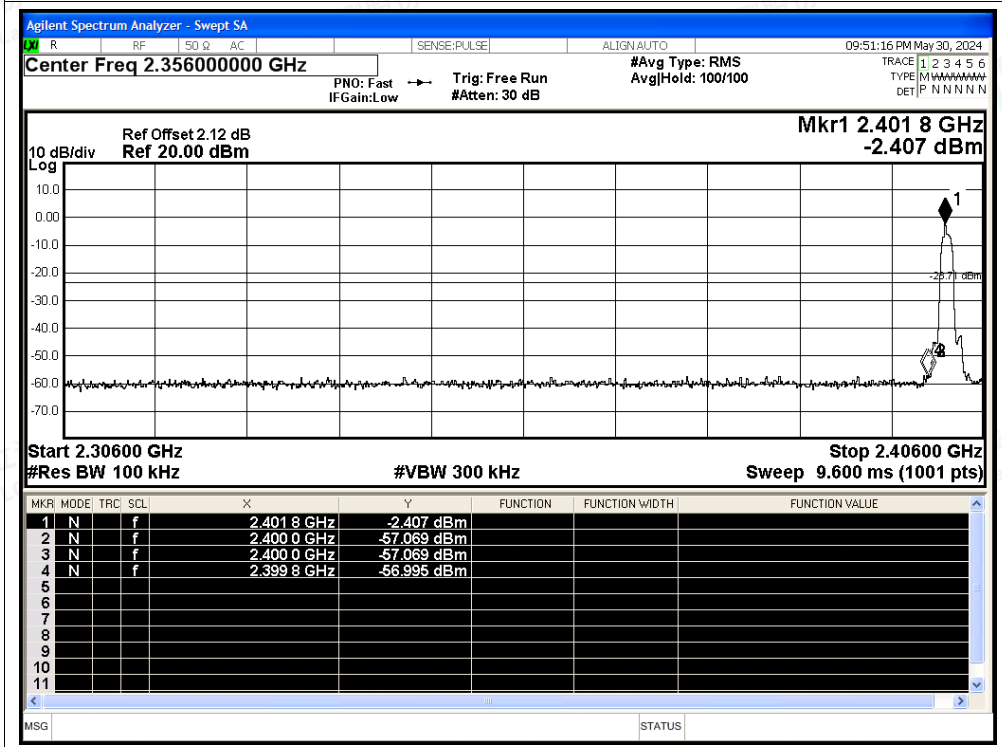




Band Edge NVNT 2-DH5 2402MHz BT ANT No-Hopping Ref

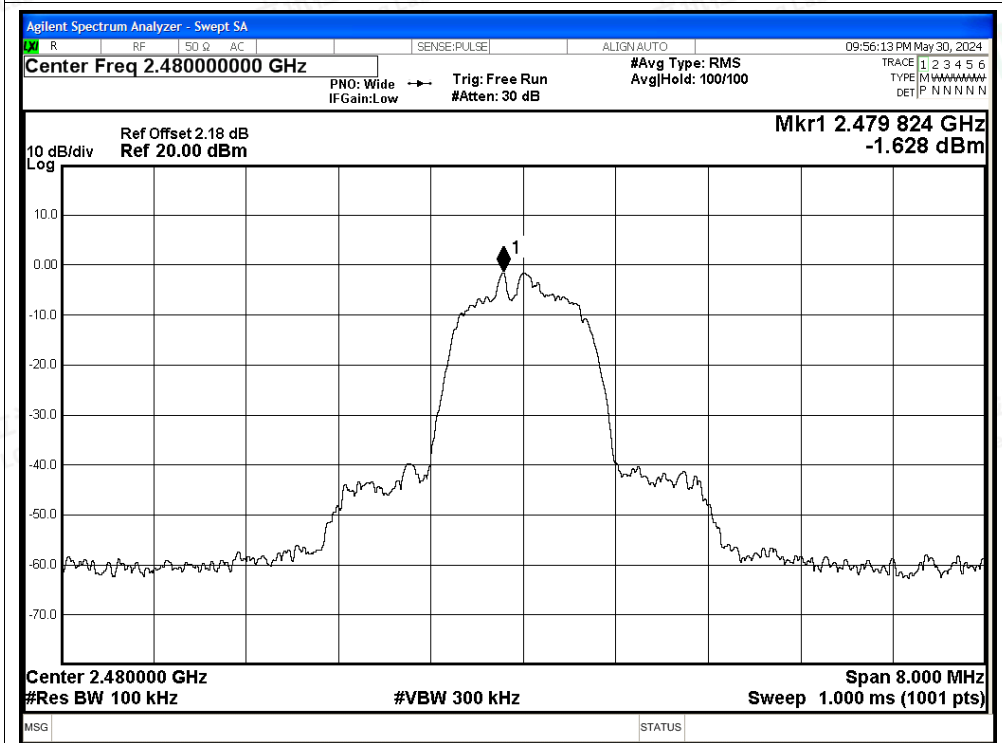


Band Edge NVNT 2-DH5 2402MHz BT ANT No-Hopping Emission

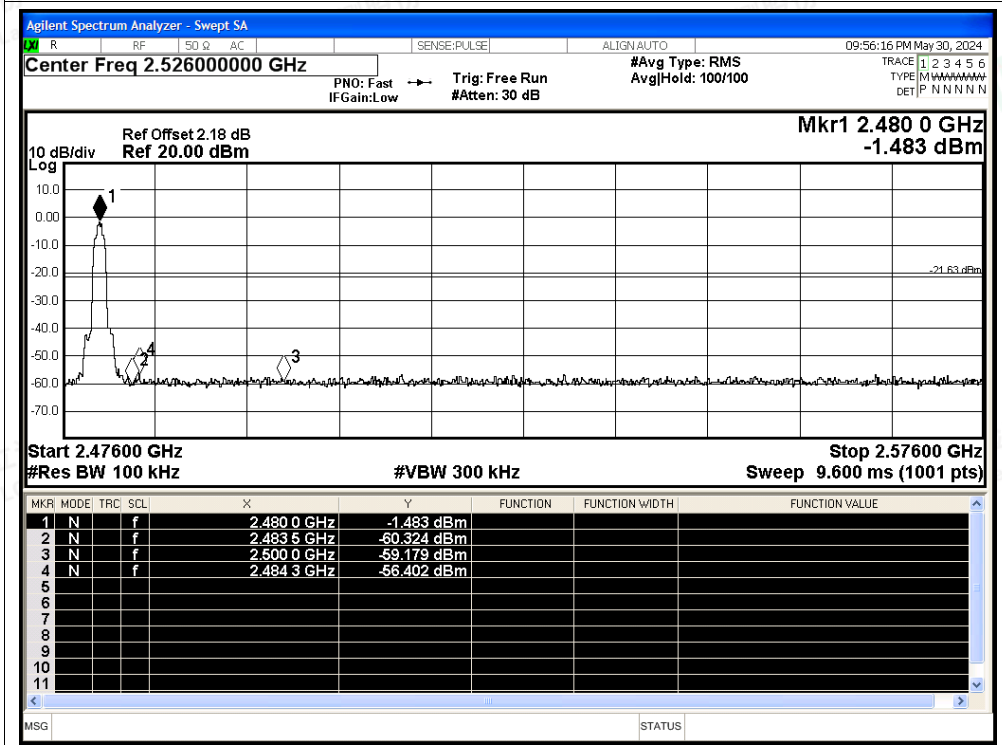




Band Edge NVNT 2-DH5 2480MHz BT ANT No-Hopping Ref

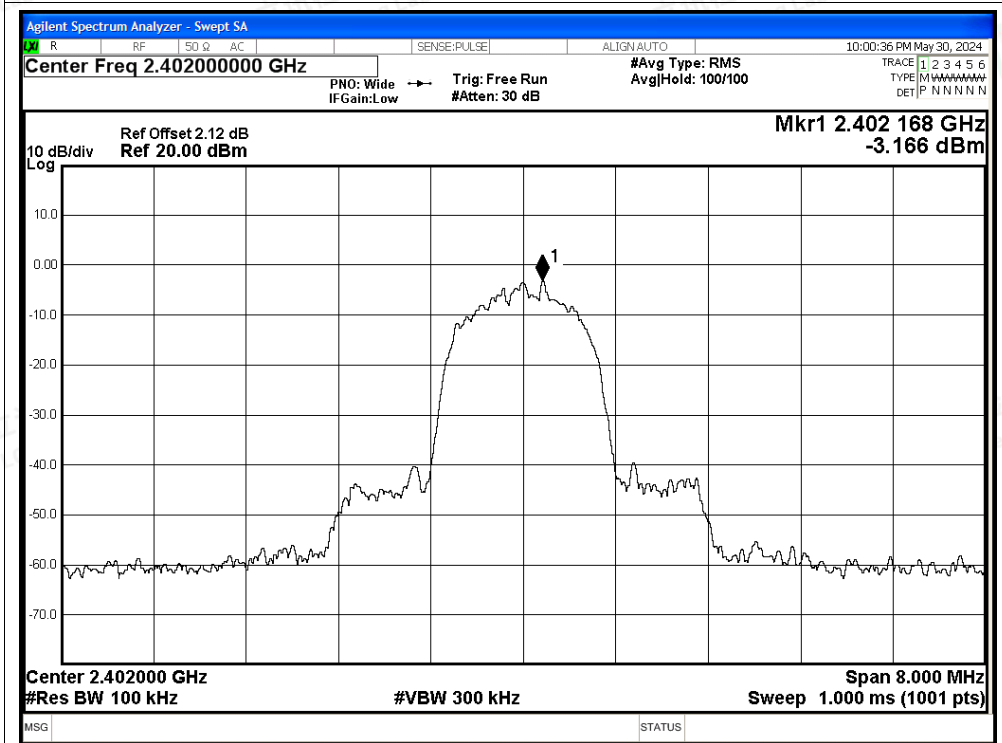


Band Edge NVNT 2-DH5 2480MHz BT ANT No-Hopping Emission

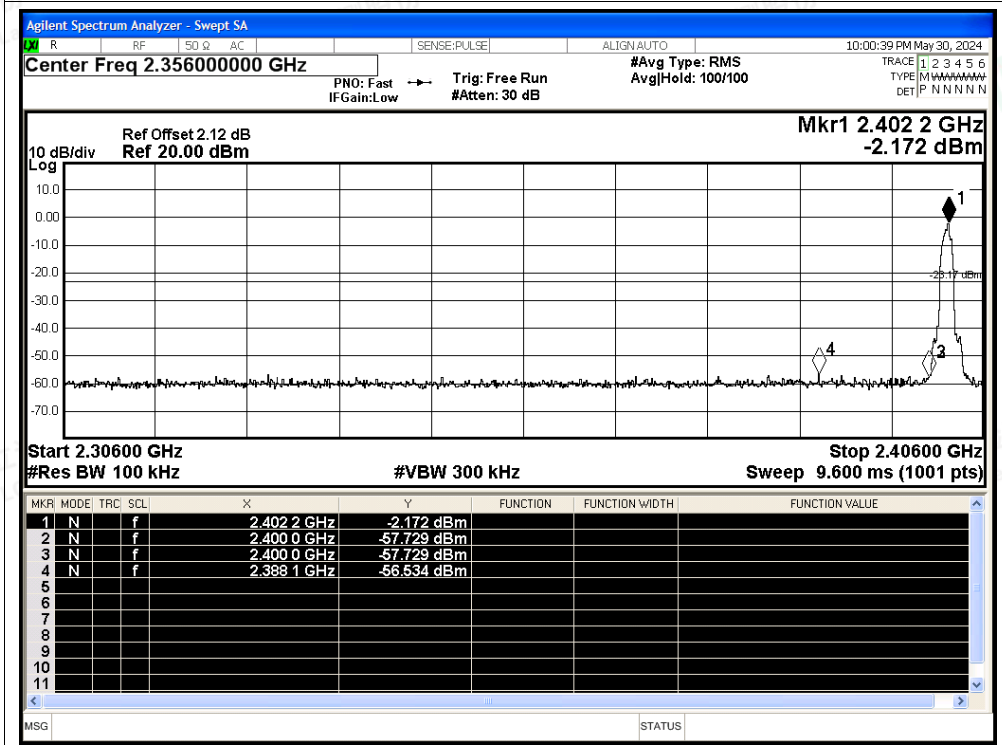




Band Edge NVNT 3-DH5 2402MHz BT ANT No-Hopping Ref

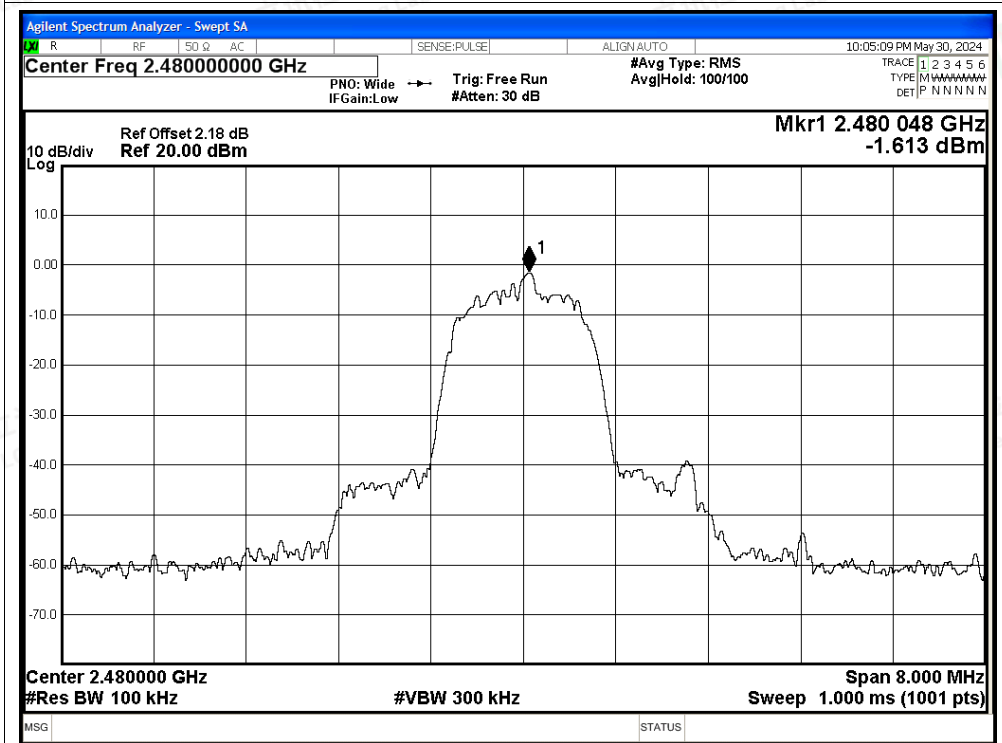


Band Edge NVNT 3-DH5 2402MHz BT ANT No-Hopping Emission

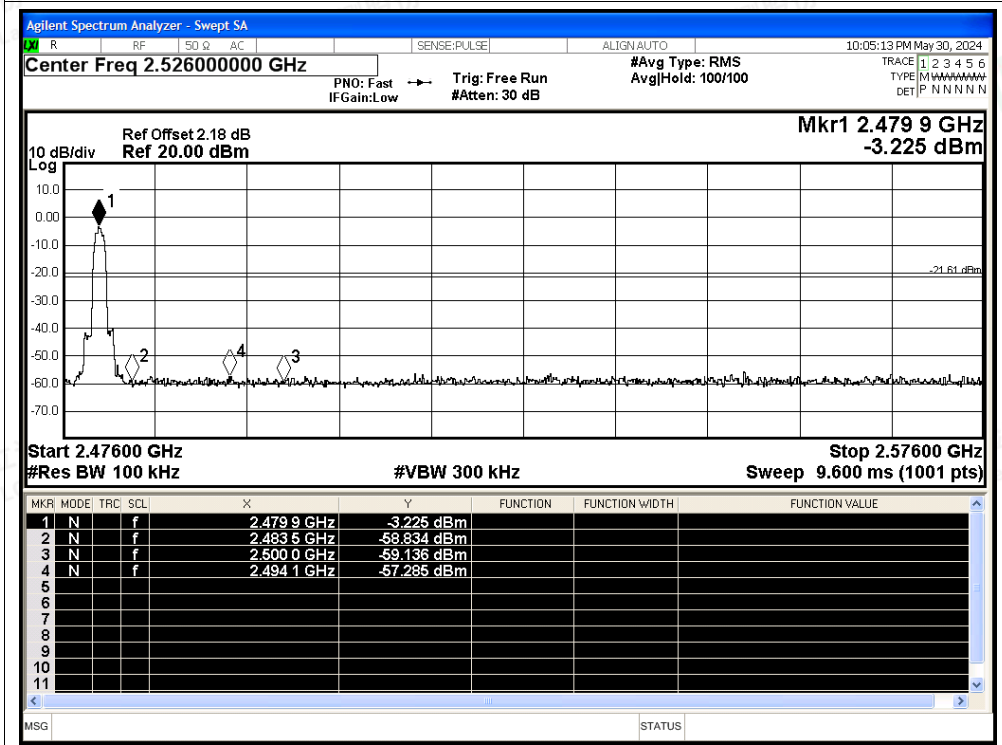




Band Edge NVNT 3-DH5 2480MHz BT ANT No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz BT ANT No-Hopping Emission





### (Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	BT ANT	Hopping	-54.56	-20	Pass
NVNT	1-DH5	2480	BT ANT	Hopping	-55.64	-20	Pass
NVNT	2-DH5	2402	BT ANT	Hopping	-52.74	-20	Pass
NVNT	2-DH5	2480	BT ANT	Hopping	-52.43	-20	Pass
NVNT	3-DH5	2402	BT ANT	Hopping	-53.59	-20	Pass
NVNT	3-DH5	2480	BT ANT	Hopping	-55.22	-20	Pass

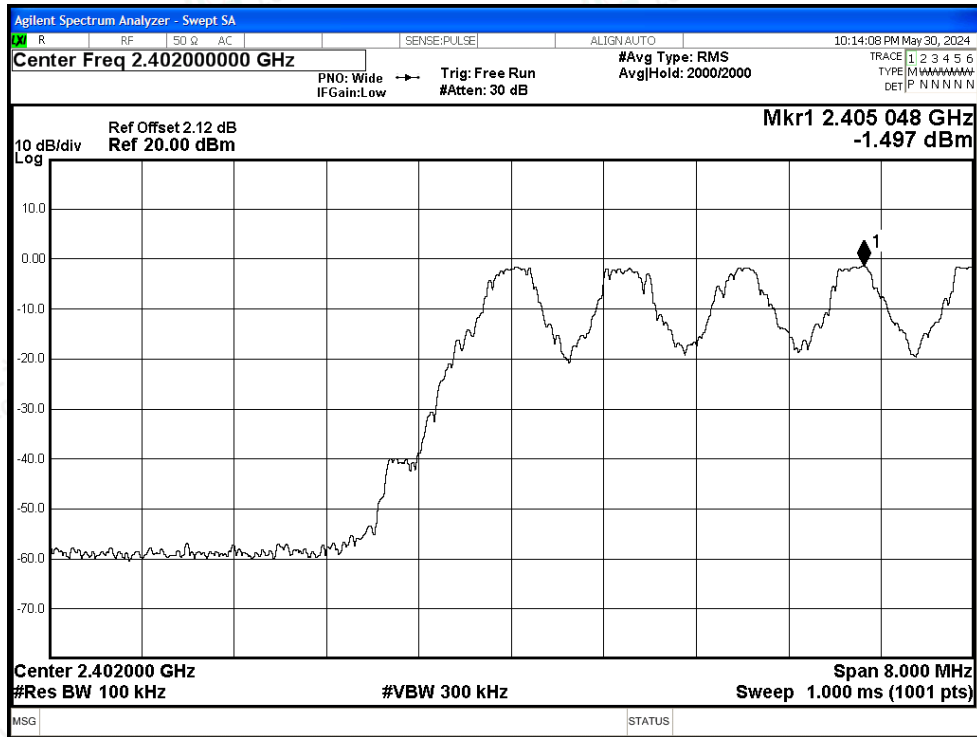


Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

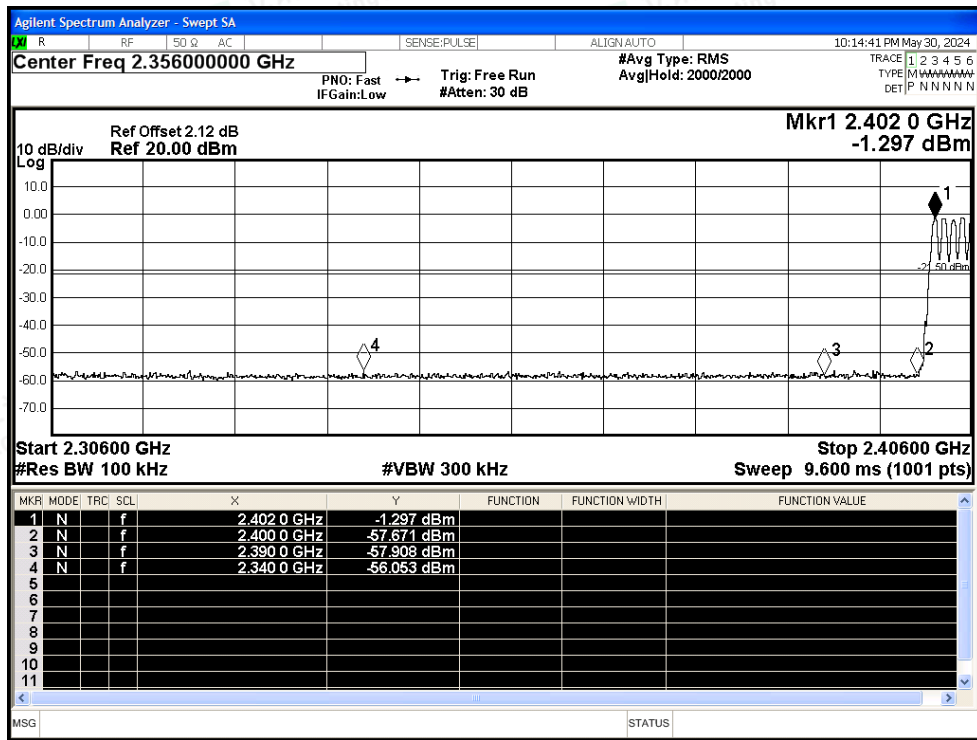


Test Graphs

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



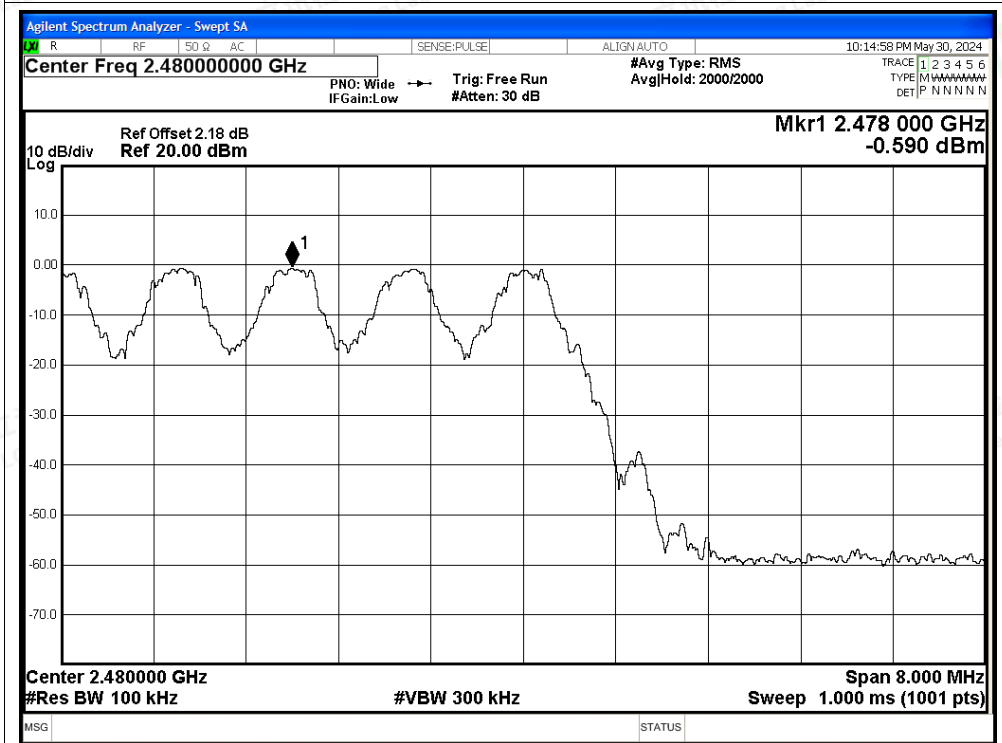
Band Edge(Hopping) NVNT 1-DH5 2402MHz BT ANT Hopping Emission



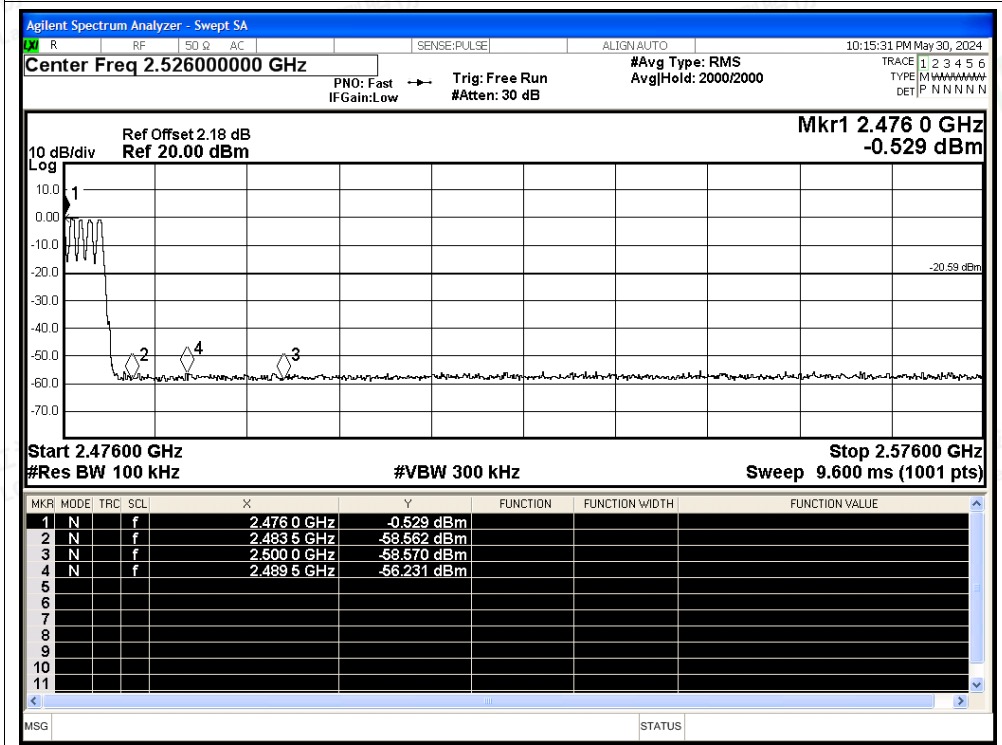




Band Edge(Hopping) NVNT 1-DH5 2480MHz BT ANT Hopping Ref



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

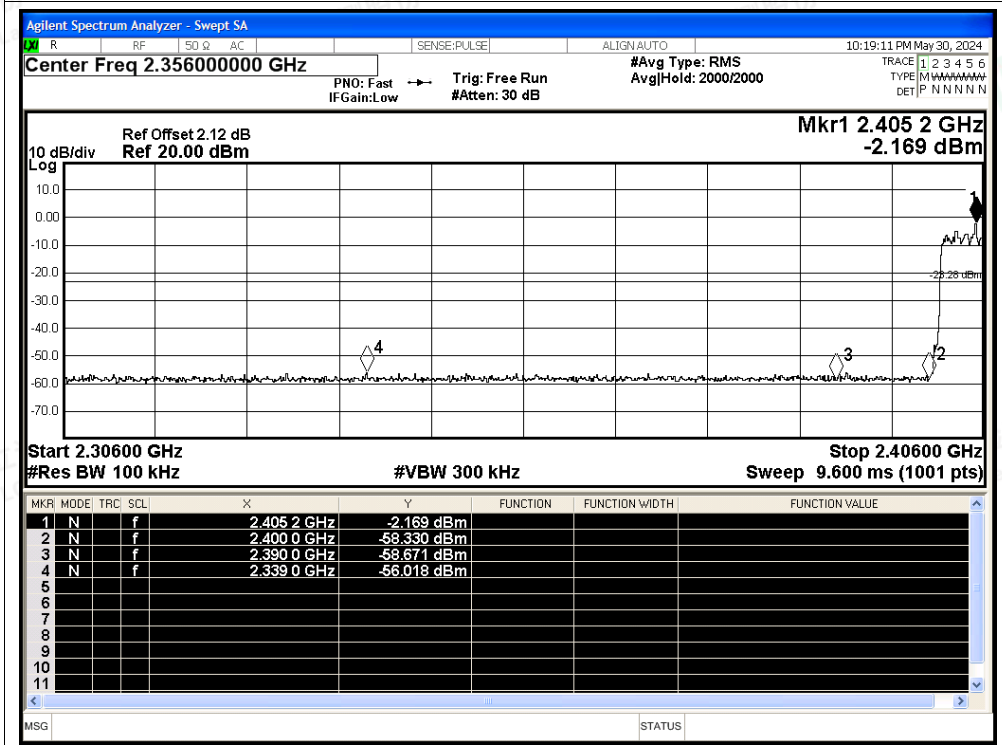




Band Edge(Hopping) NVNT 2-DH5 2402MHz BT ANT Hopping Ref

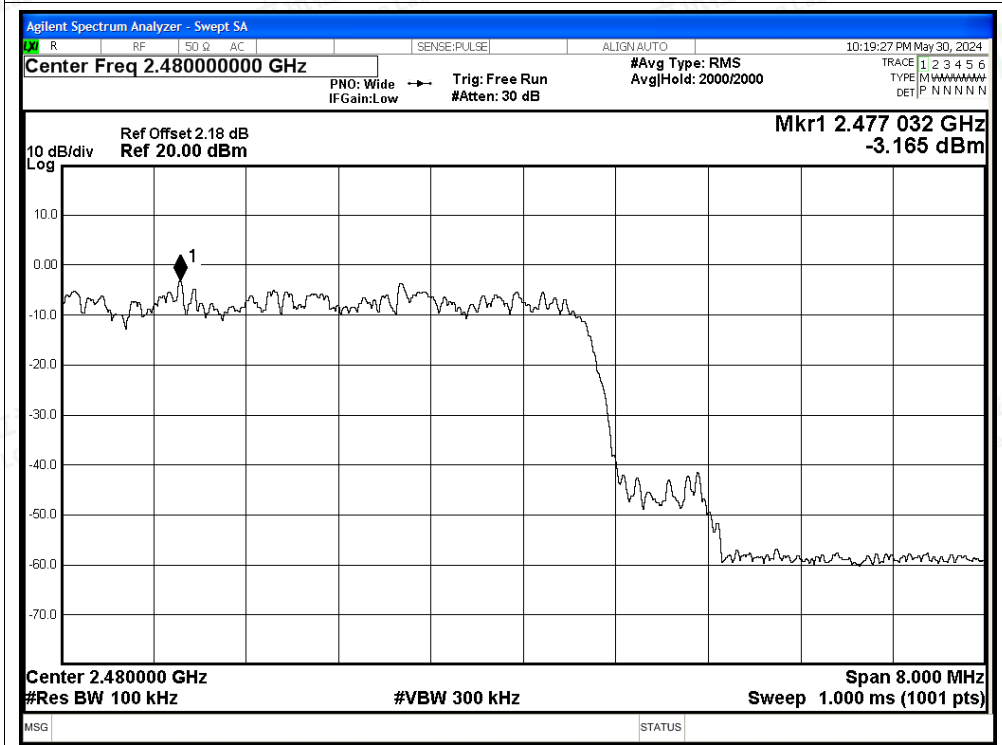


Band Edge(Hopping) NVNT 2-DH5 2402MHz BT ANT Hopping Emission

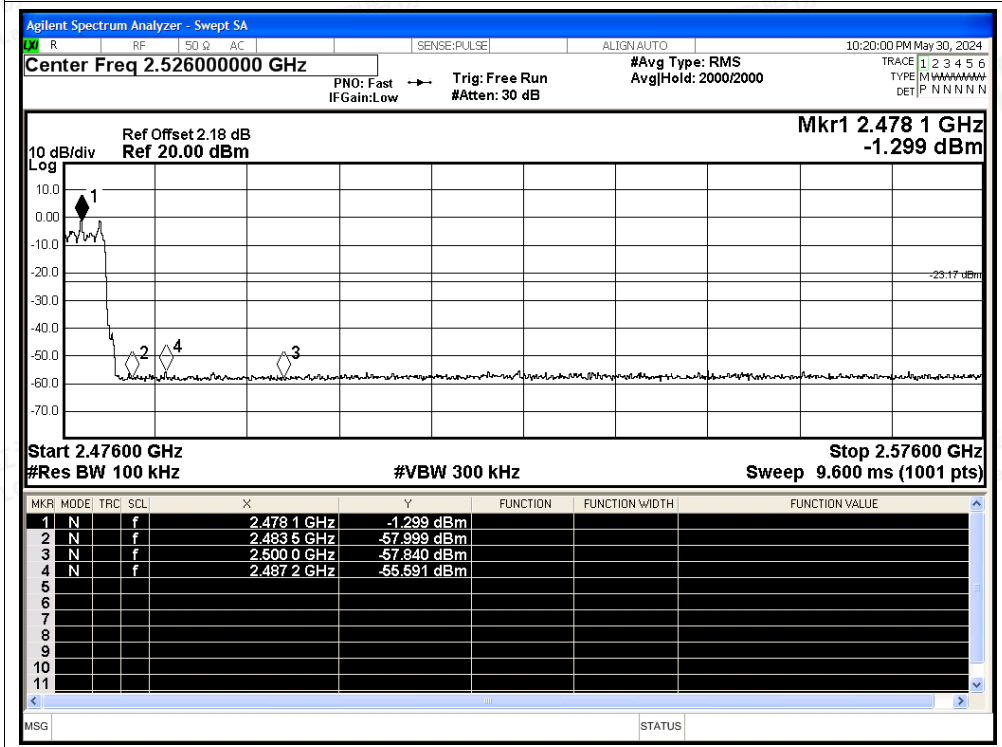




Band Edge(Hopping) NVNT 2-DH5 2480MHz BT ANT Hopping Ref



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

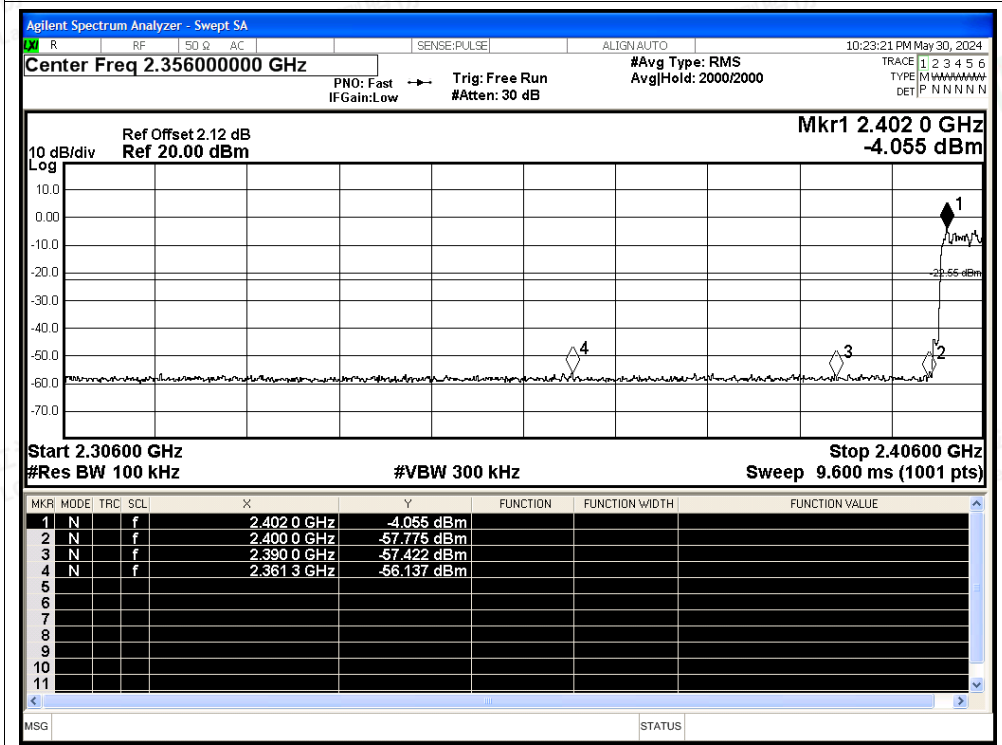




Band Edge(Hopping) NVNT 3-DH5 2402MHz BT ANT Hopping Ref

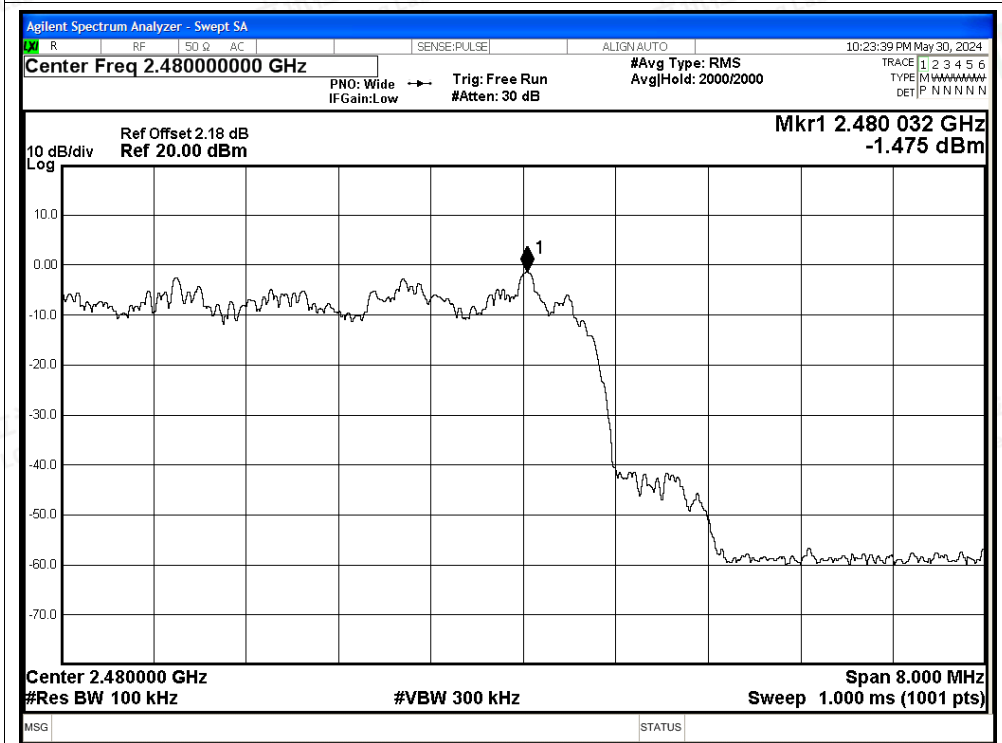


Band Edge(Hopping) NVNT 3-DH5 2402MHz BT ANT Hopping Emission

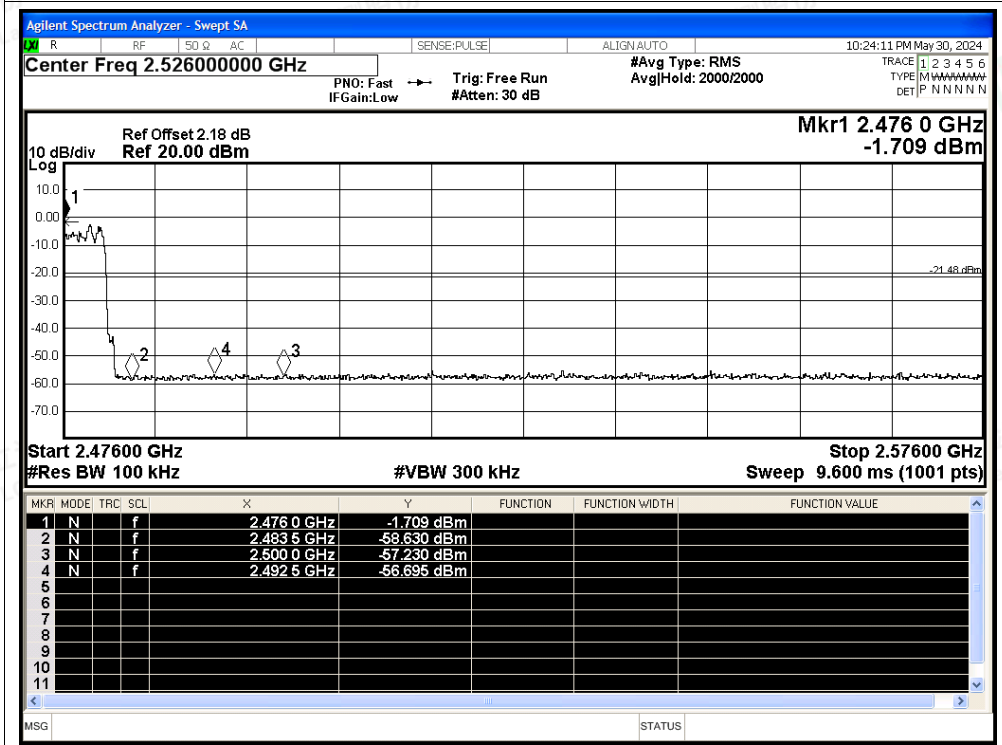




Band Edge(Hopping) NVNT 3-DH5 2480MHz BT ANT Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz BT ANT Hopping Emission





## A.7 Conducted RF Spurious Emission

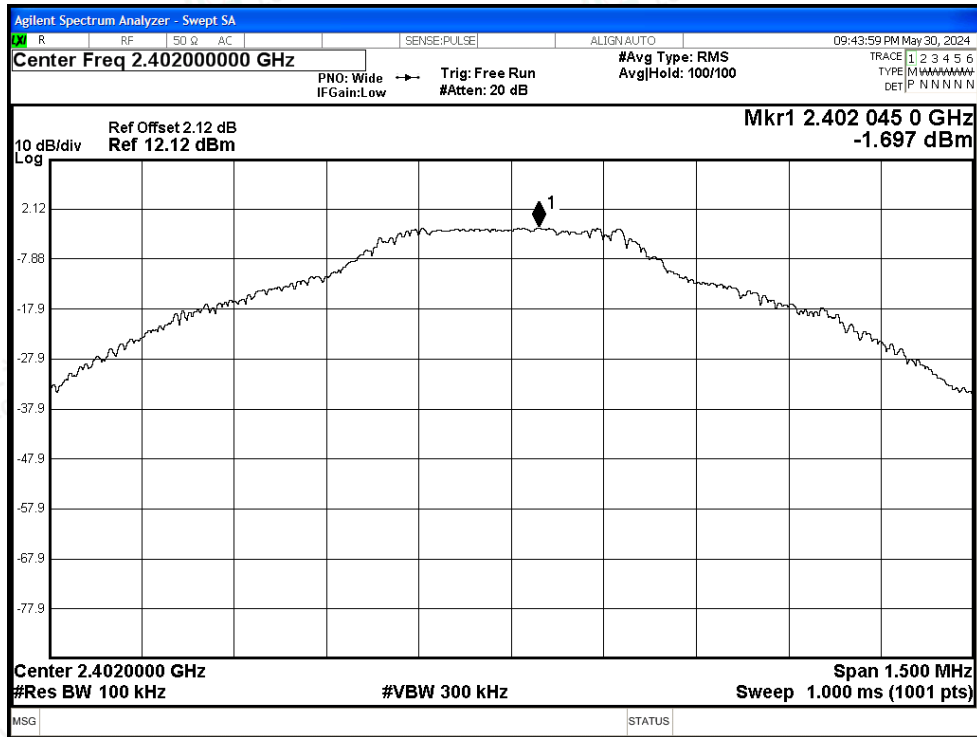
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	BT ANT	-54.2	-20	Pass
NVNT	1-DH5	2441	BT ANT	-54.22	-20	Pass
NVNT	1-DH5	2480	BT ANT	-54.79	-20	Pass
NVNT	2-DH5	2402	BT ANT	-52.83	-20	Pass
NVNT	2-DH5	2441	BT ANT	-53.92	-20	Pass
NVNT	2-DH5	2480	BT ANT	-53.53	-20	Pass
NVNT	3-DH5	2402	BT ANT	-52.74	-20	Pass
NVNT	3-DH5	2441	BT ANT	-53.78	-20	Pass
NVNT	3-DH5	2480	BT ANT	-53.79	-20	Pass



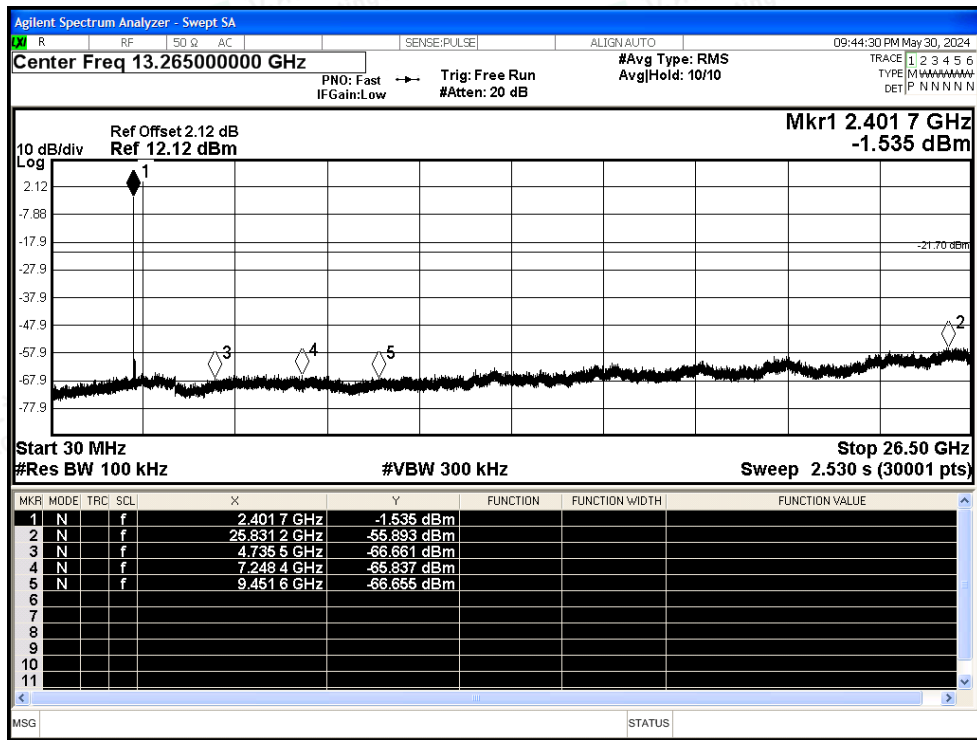


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz BT ANT Ref

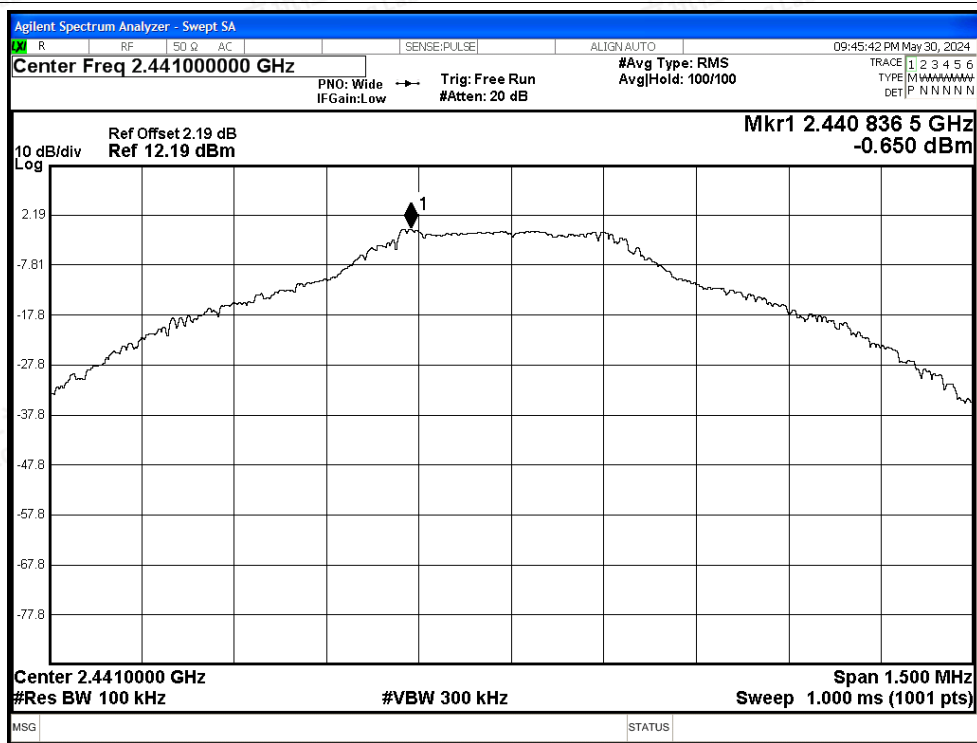


Tx. Spurious NVNT 1-DH5 2402MHz BT ANT Emission

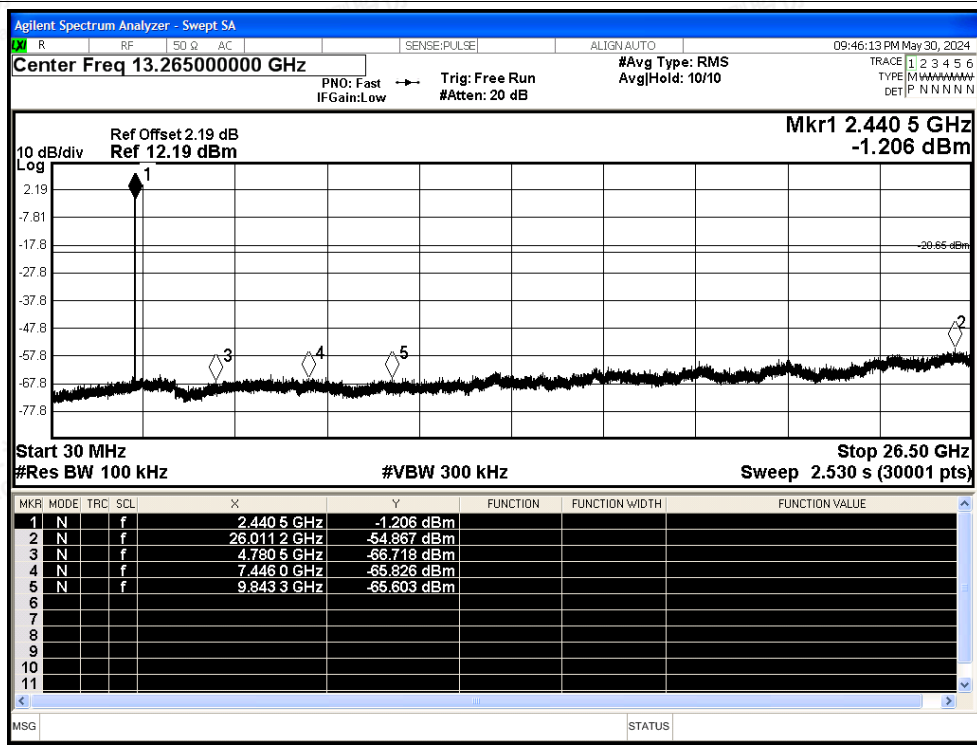




Tx. Spurious NVNT 1-DH5 2441MHz BT ANT Ref



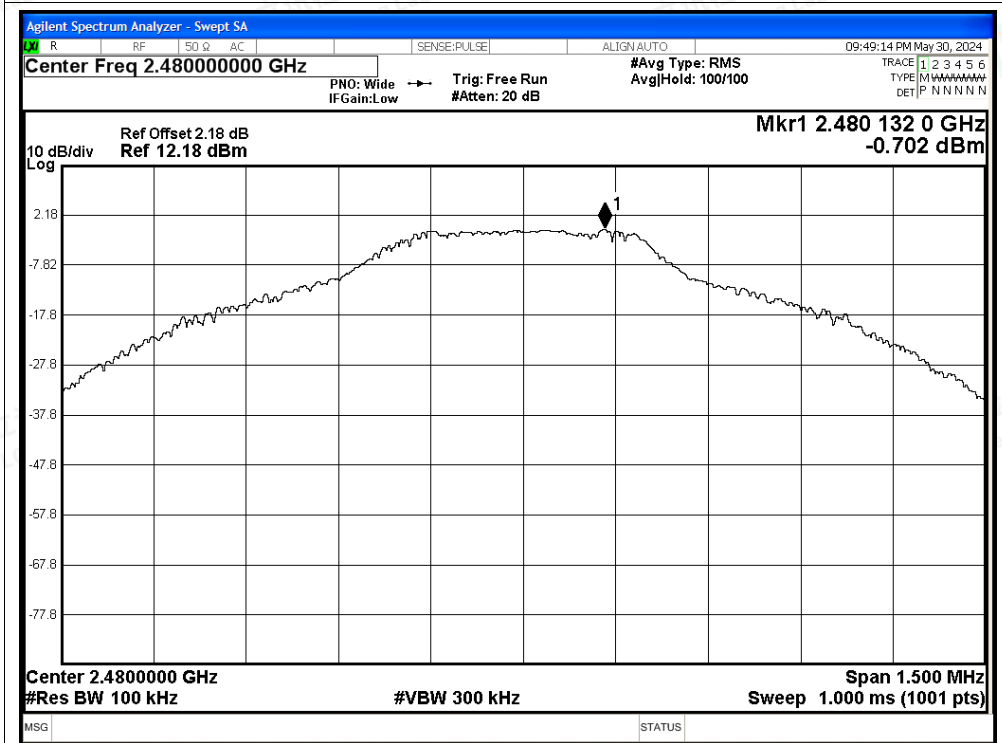
Tx. Spurious NVNT 1-DH5 2441MHz BT ANT Emission



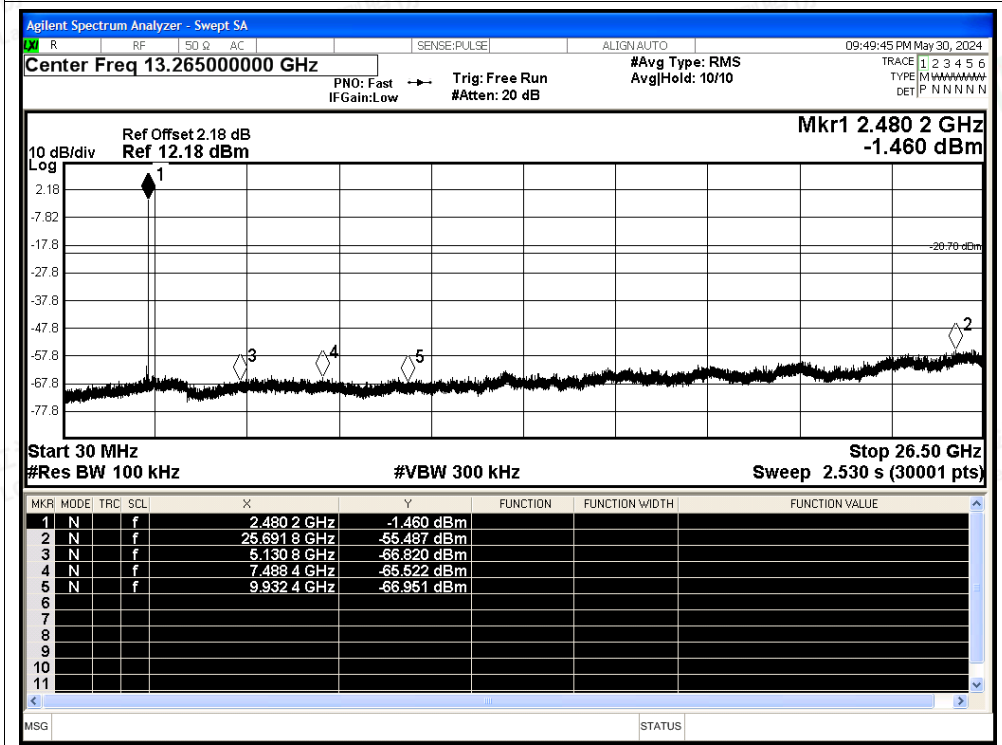




Tx. Spurious NVNT 1-DH5 2480MHz BT ANT Ref

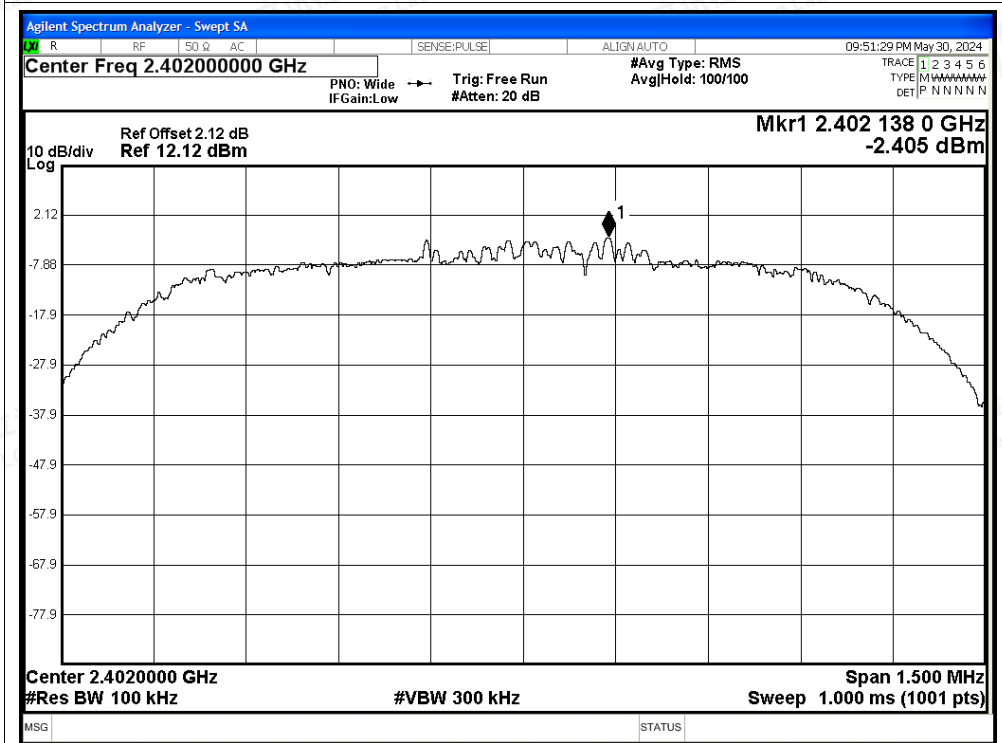


Tx. Spurious NVNT 1-DH5 2480MHz BT ANT Emission

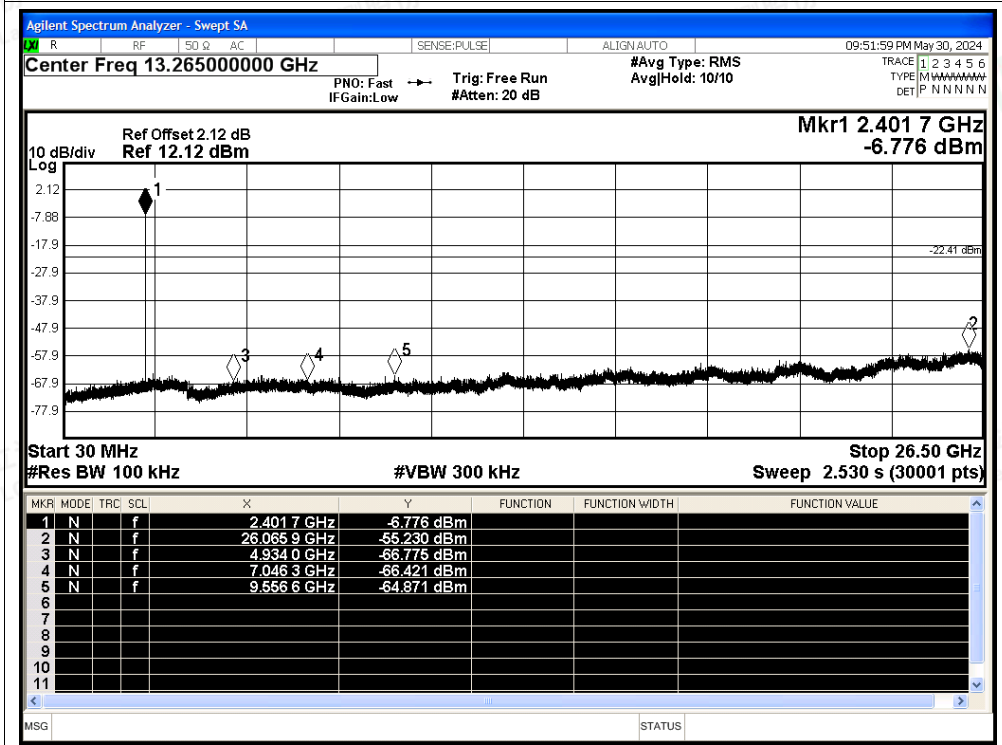




Tx. Spurious NVNT 2-DH5 2402MHz BT ANT Ref

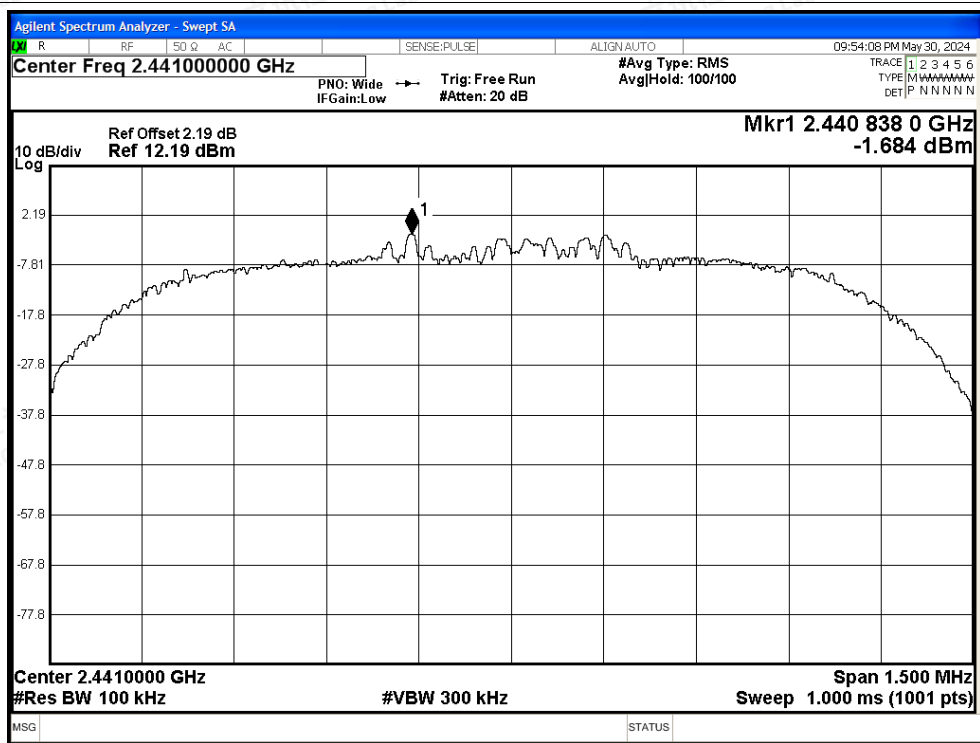


Tx. Spurious NVNT 2-DH5 2402MHz BT ANT Emission

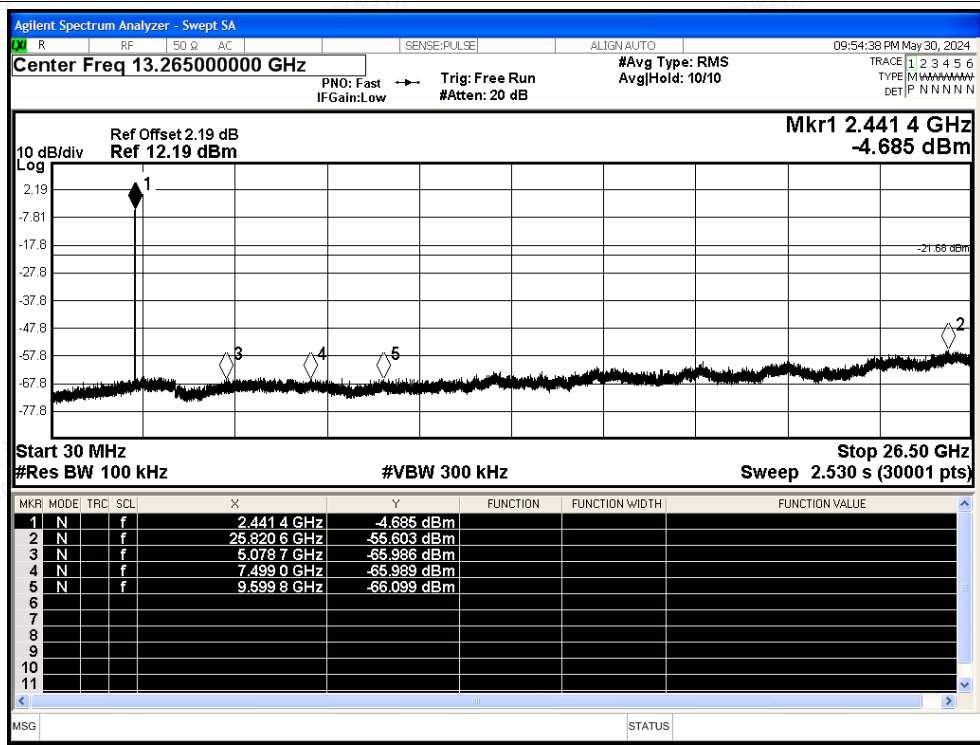




Tx. Spurious NVNT 2-DH5 2441MHz BT ANT Ref

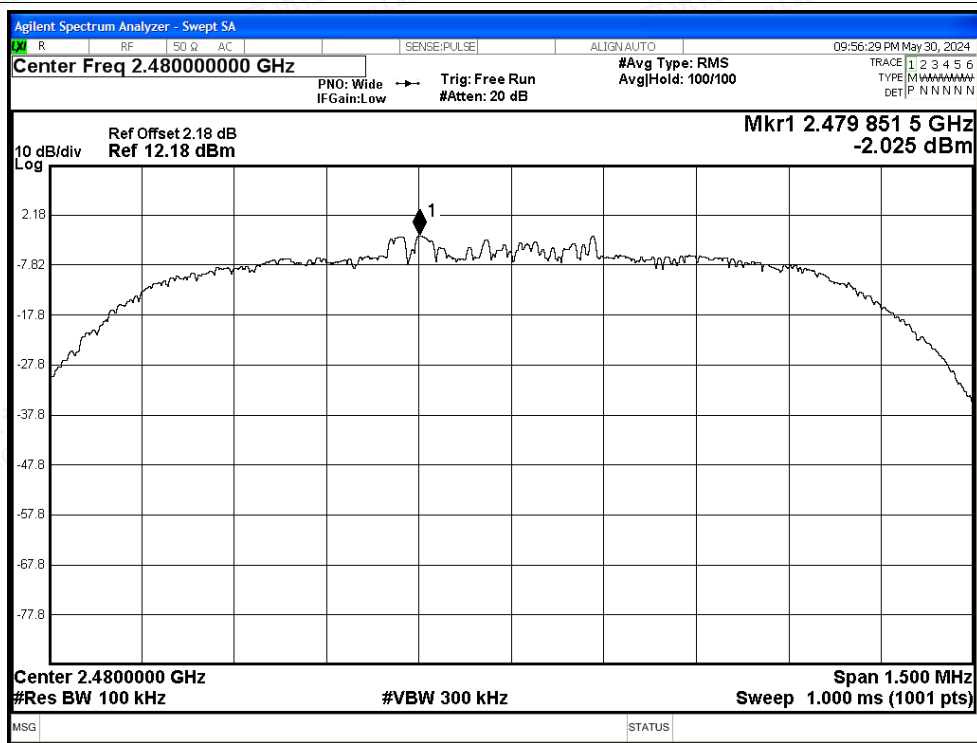


Tx. Spurious NVNT 2-DH5 2441MHz BT ANT Emission

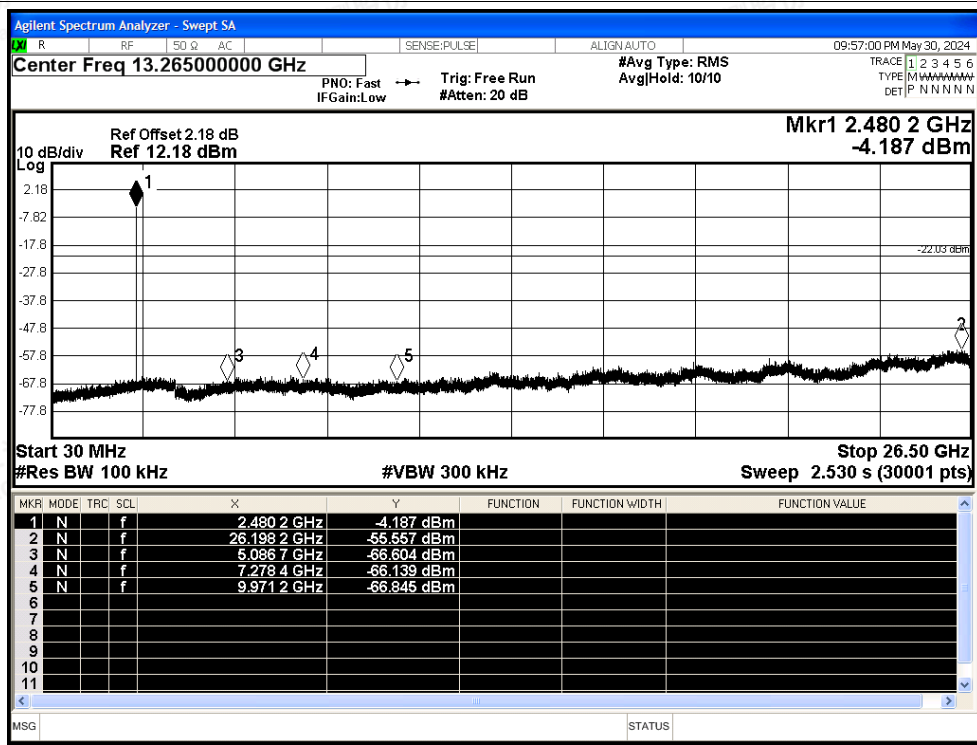




Tx. Spurious NVNT 2-DH5 2480MHz BT ANT Ref

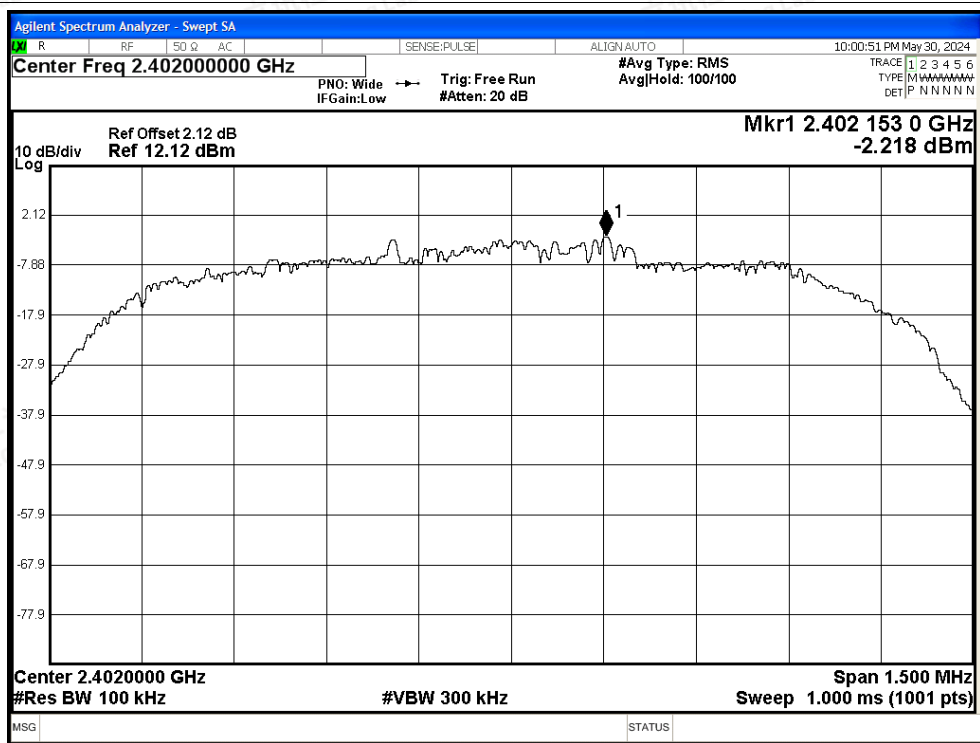


Tx. Spurious NVNT 2-DH5 2480MHz BT ANT Emission

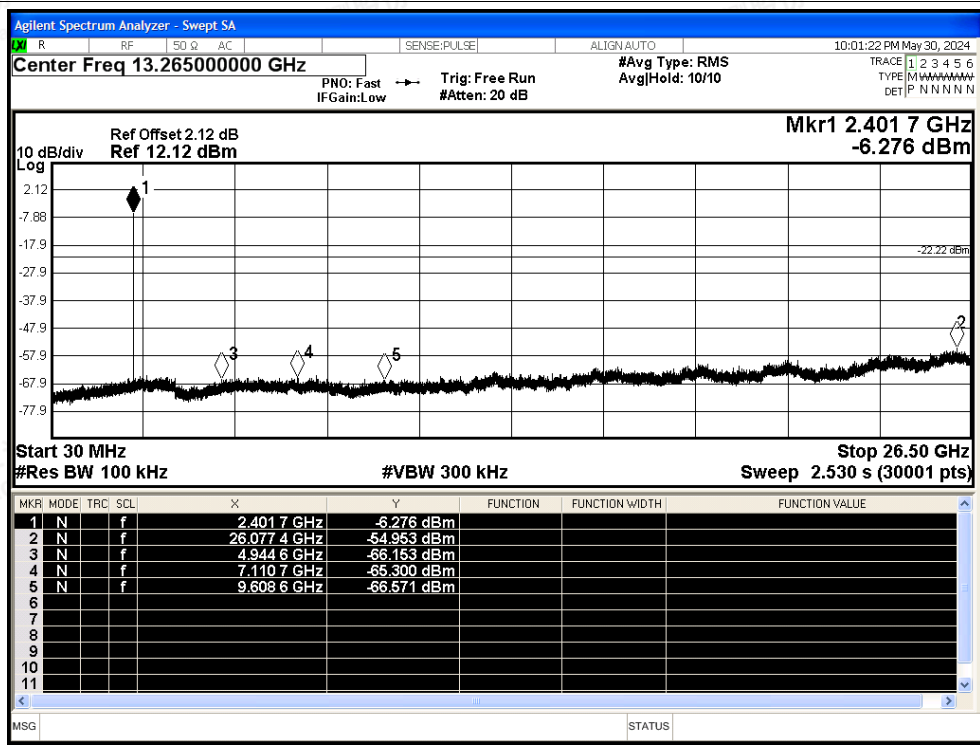




Tx. Spurious NVNT 3-DH5 2402MHz BT ANT Ref

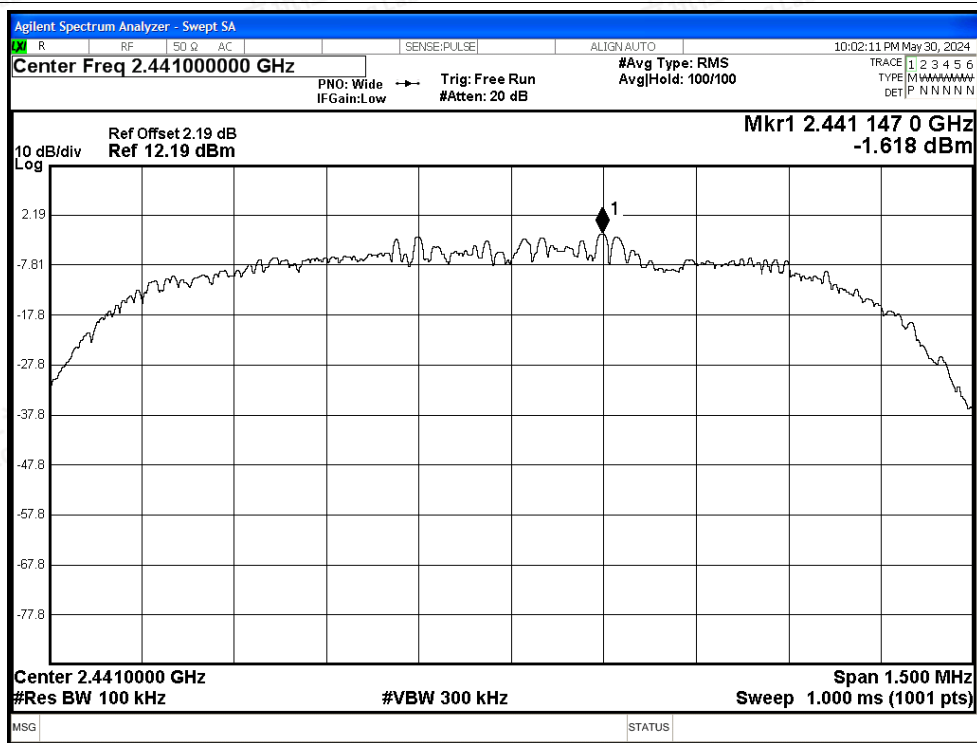


Tx. Spurious NVNT 3-DH5 2402MHz BT ANT Emission

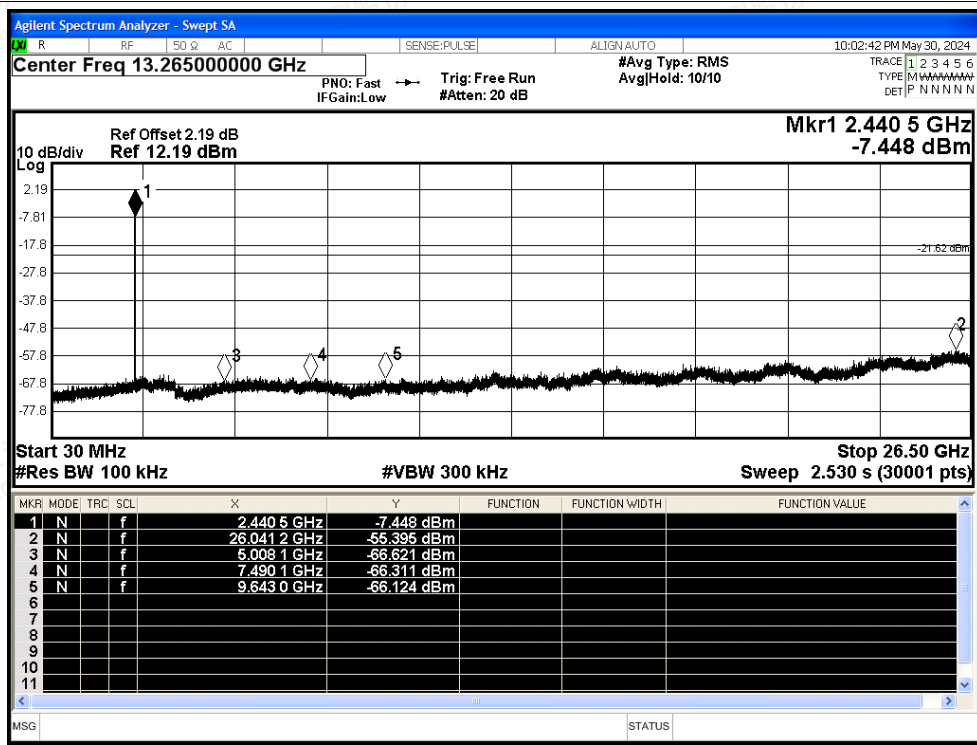




Tx. Spurious NVNT 3-DH5 2441MHz BT ANT Ref

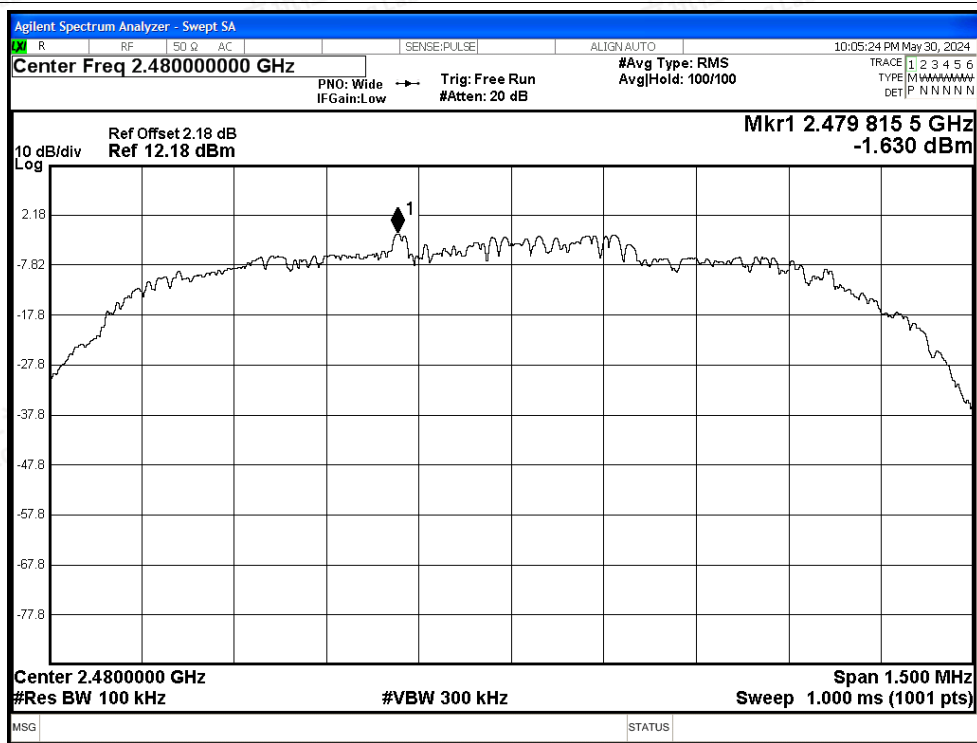


Tx. Spurious NVNT 3-DH5 2441MHz BT ANT Emission

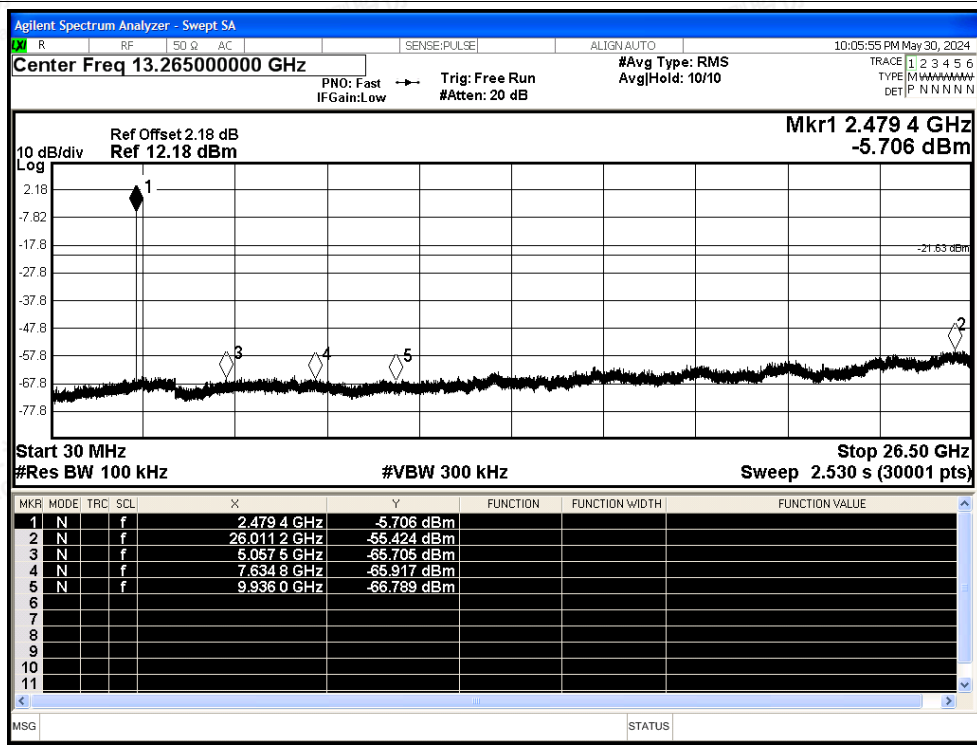




Tx. Spurious NVNT 3-DH5 2480MHz BT ANT Ref



Tx. Spurious NVNT 3-DH5 2480MHz BT ANT Emission





## A.8 Duty Cycle

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



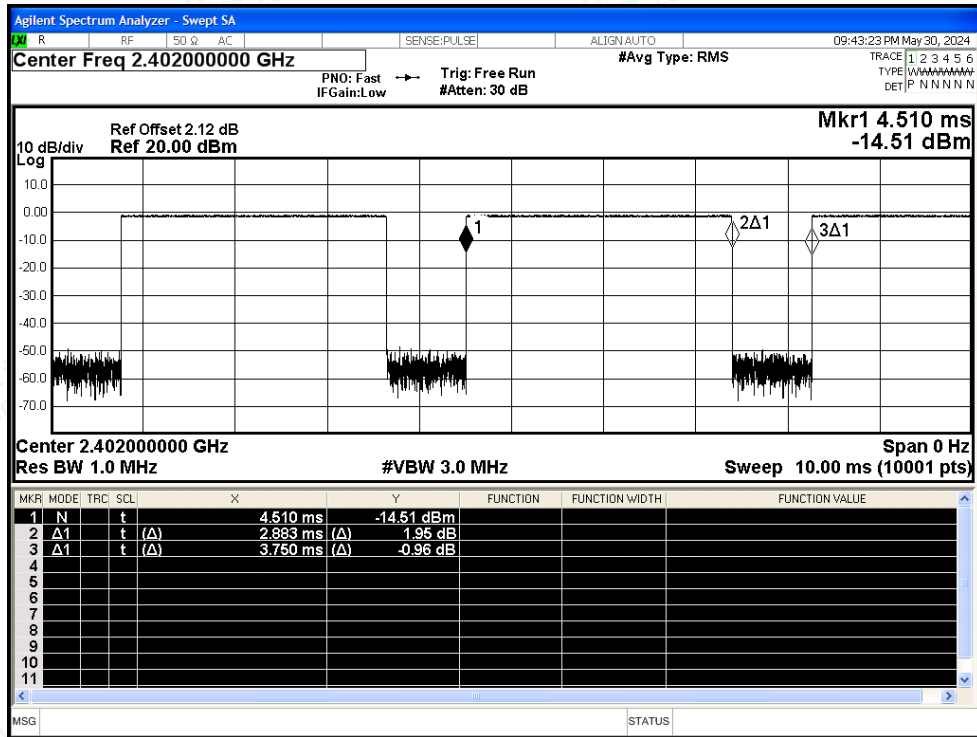
Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity



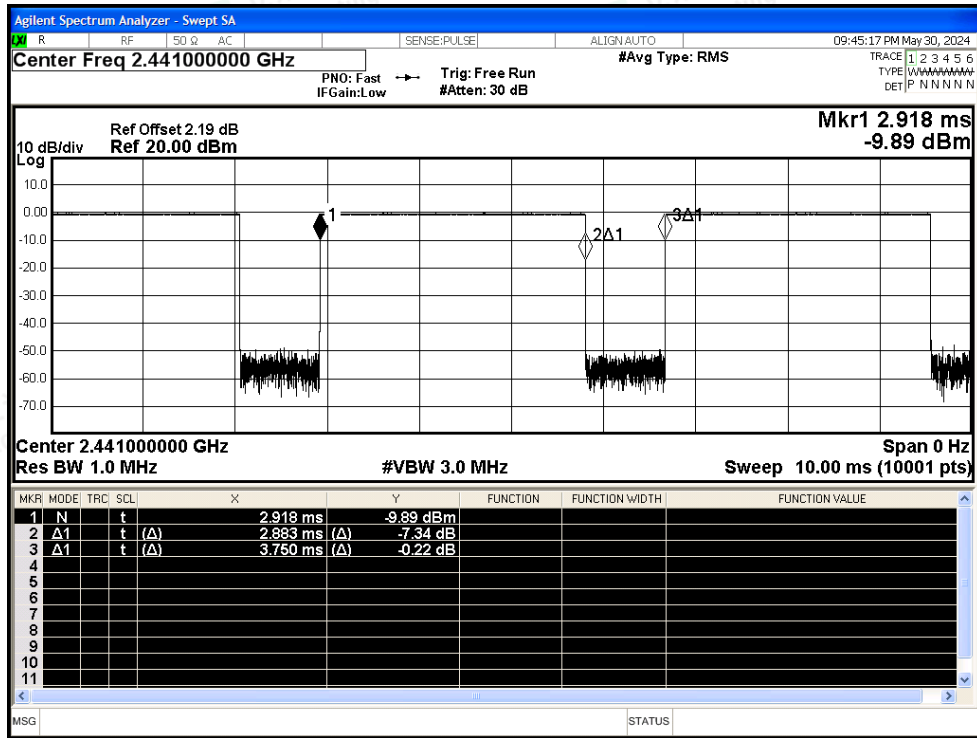


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz BT ANT

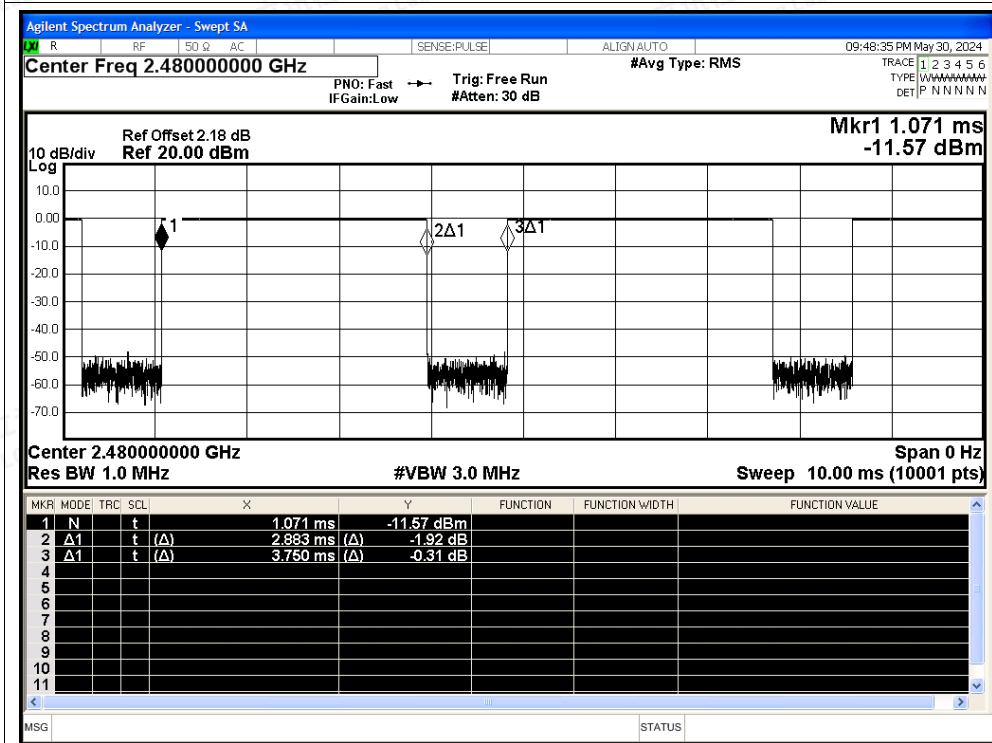


Duty Cycle NVNT 1-DH5 2441MHz BT ANT

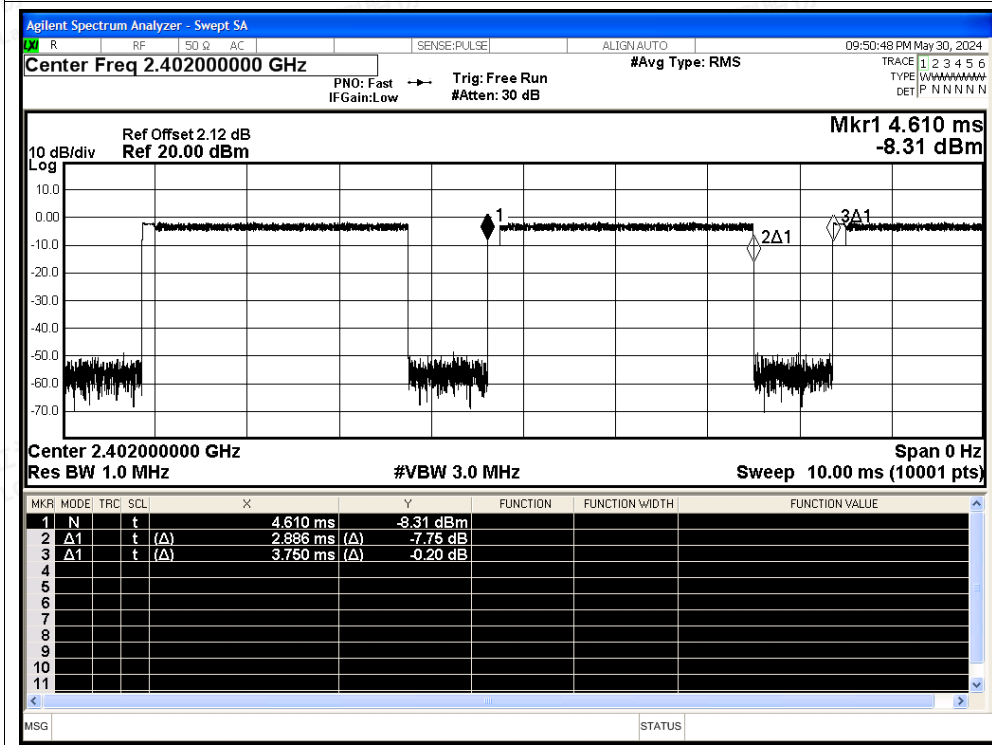




Duty Cycle NVNT 1-DH5 2480MHz BT ANT

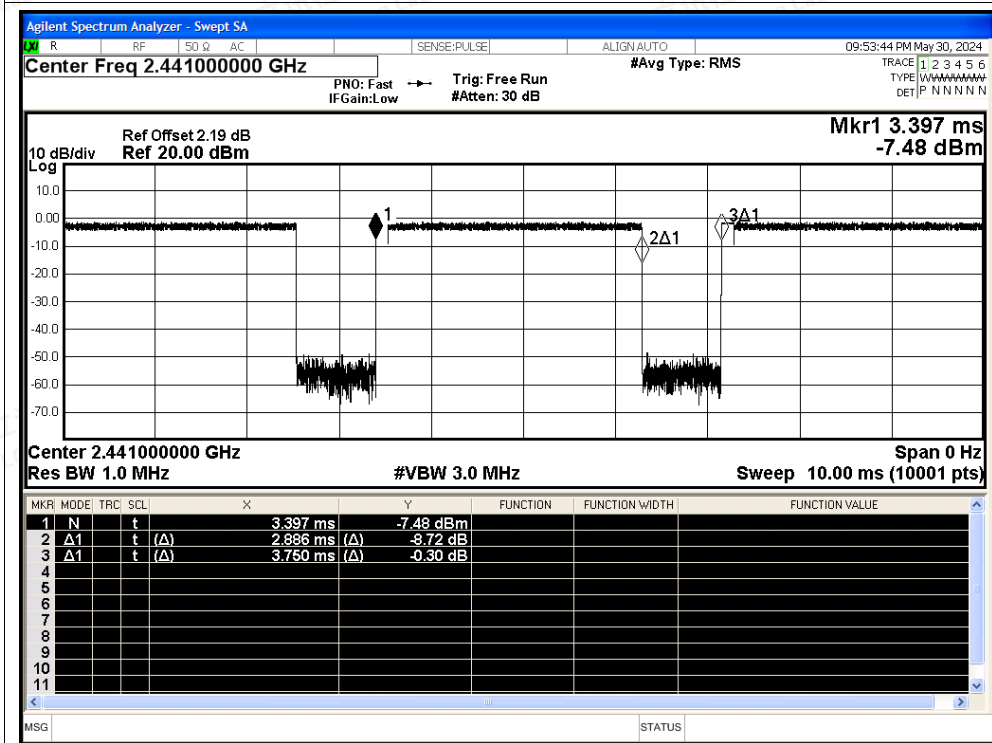


Duty Cycle NVNT 2-DH5 2402MHz BT ANT

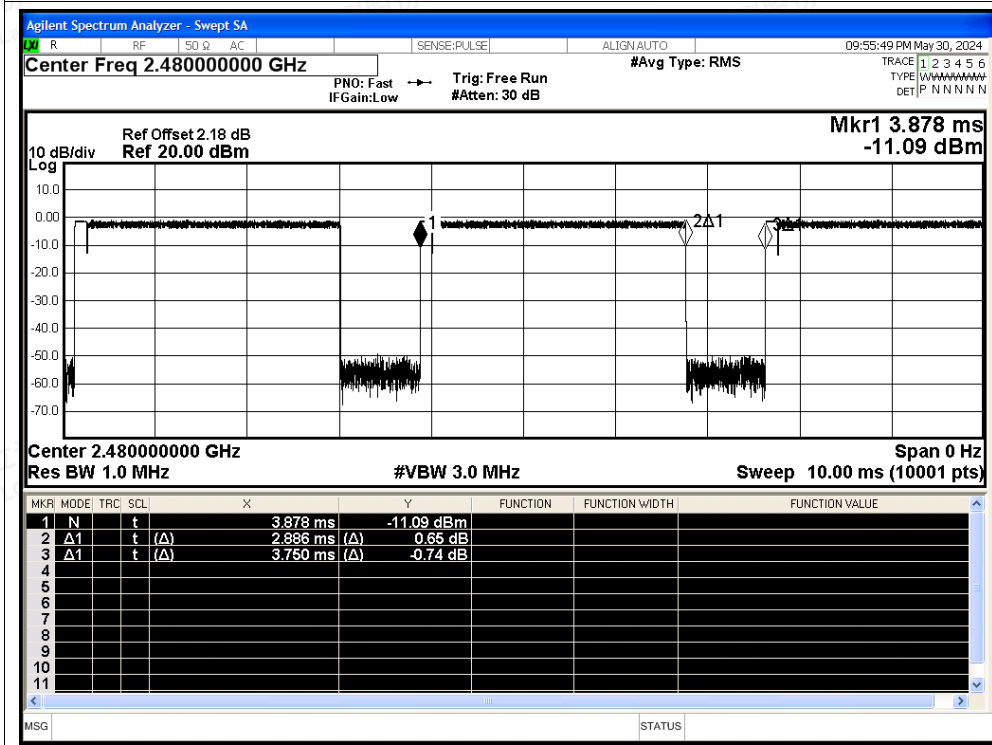




Duty Cycle NVNT 2-DH5 2441MHz BT ANT

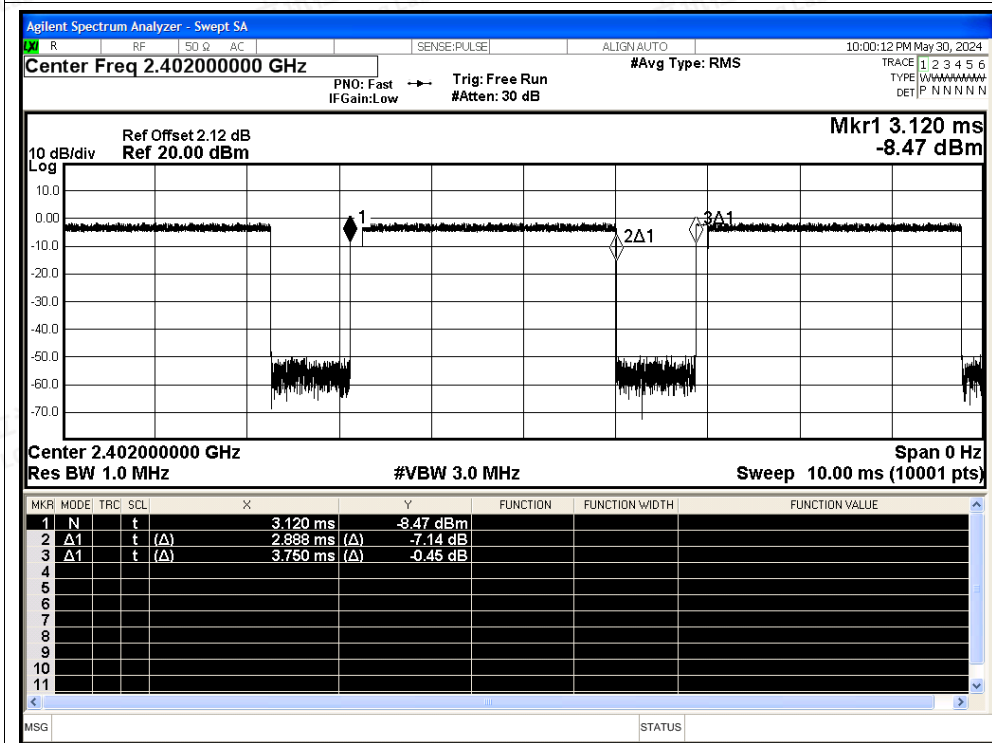


Duty Cycle NVNT 2-DH5 2480MHz BT ANT

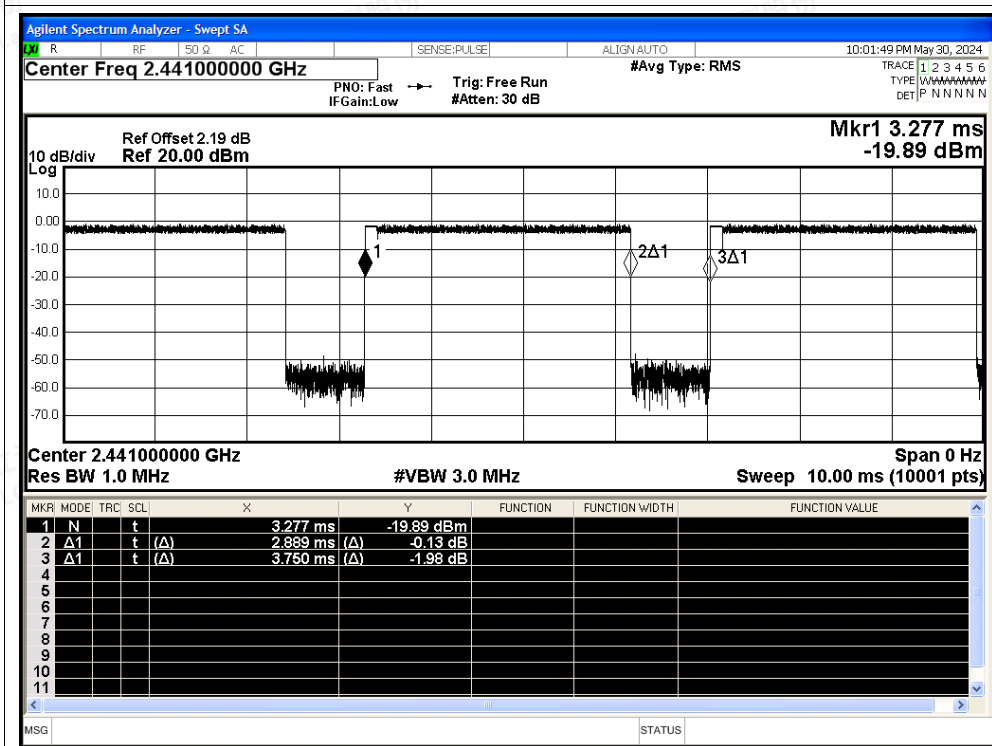


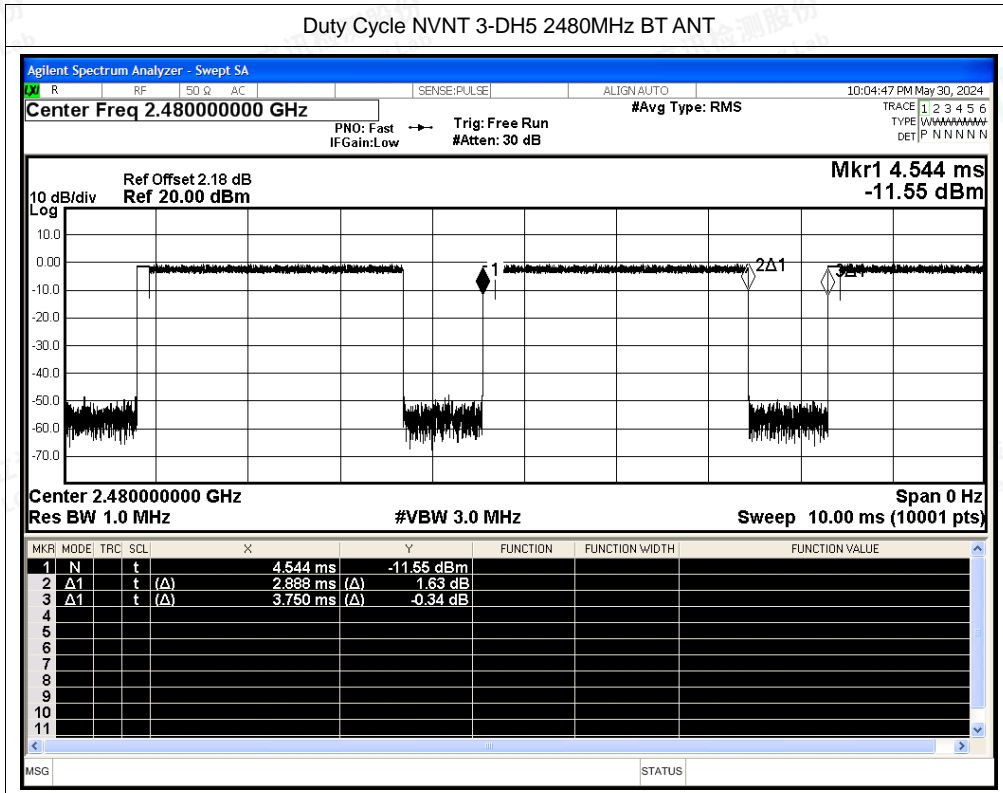


Duty Cycle NVNT 3-DH5 2402MHz BT ANT



Duty Cycle NVNT 3-DH5 2441MHz BT ANT







## A.9 Restrict Band

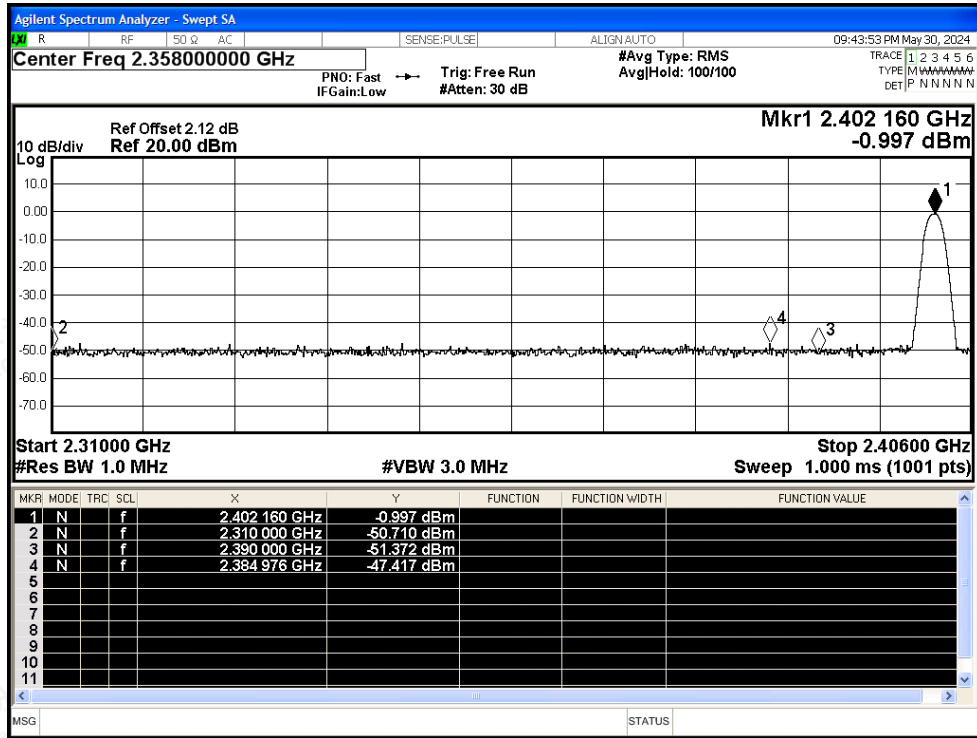
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	BT ANT	No-Hopping	2310	-50.71	2	-	46.55	Peak	74	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2310	-58.86	2	1.14	39.54	Average	54	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2384.976	-47.42	2	-	49.84	Peak	74	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2382.768	-57.83	2	1.14	40.57	Average	54	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2390	-51.37	2	-	45.89	Peak	74	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2390	-58.49	2	1.14	39.91	Average	54	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2483.5	-50.6	2	-	46.66	Peak	74	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2483.5	-57.61	2	1.14	40.79	Average	54	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2496.088	-46.93	2	-	50.33	Peak	74	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2492.608	-57.23	2	1.14	41.17	Average	54	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2500	-50.47	2	-	46.79	Peak	74	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2500	-58.28	2	1.14	40.12	Average	54	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2310	-50.75	2	-	46.51	Peak	74	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2310	-59	2	1.14	39.4	Average	54	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2375.184	-47.19	2	-	50.07	Peak	74	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2371.824	-57.84	2	1.14	40.56	Average	54	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2390	-51.13	2	-	46.13	Peak	74	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2390	-58.48	2	1.14	39.92	Average	54	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2483.5	-50.98	2	-	46.28	Peak	74	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2483.5	-57.88	2	1.14	40.52	Average	54	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2487.904	-47.28	2	-	49.98	Peak	74	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2496.016	-57.28	2	1.14	41.12	Average	54	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2500	-49.75	2	-	47.51	Peak	74	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2500	-57.91	2	1.14	40.49	Average	54	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2310	-51.44	2	-	45.82	Peak	74	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2310	-58.73	2	1.13	39.66	Average	54	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2317.296	-47.47	2	-	49.79	Peak	74	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2380.176	-57.59	2	1.13	40.8	Average	54	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2390	-49.67	2	-	47.59	Peak	74	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2390	-58.88	2	1.13	39.51	Average	54	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2483.5	-50.52	2	-	46.74	Peak	74	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2483.5	-57.72	2	1.13	40.67	Average	54	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2496.352	-47.36	2	-	49.9	Peak	74	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2498.92	-57.22	2	1.13	41.17	Average	54	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2500	-49.63	2	-	47.63	Peak	74	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2500	-58.22	2	1.13	40.17	Average	54	Pass



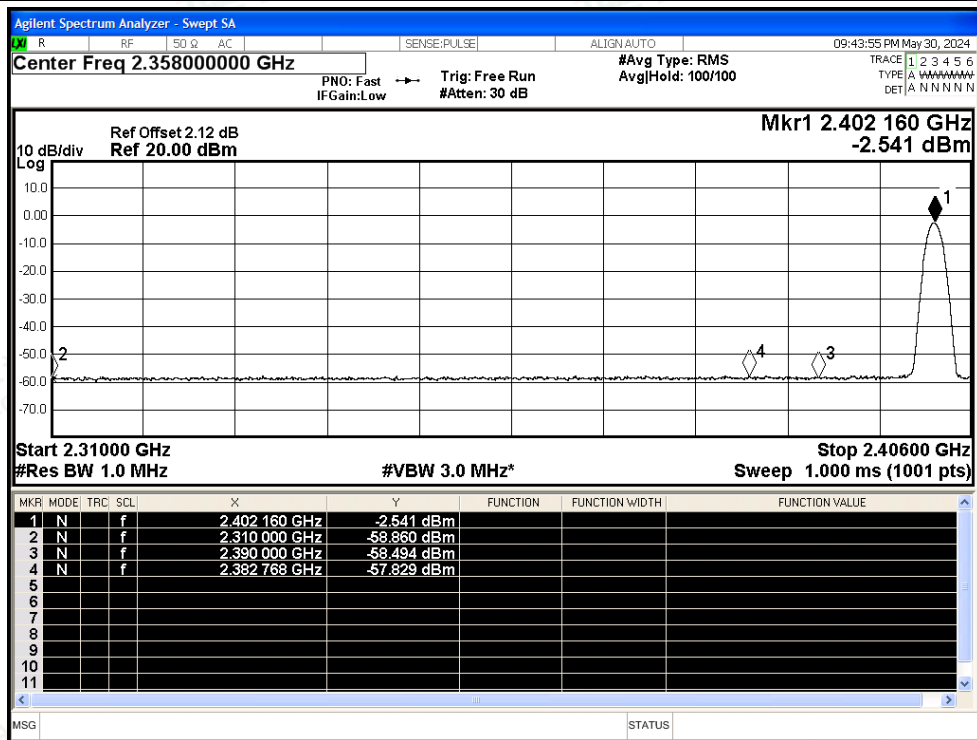


Test Graphs

Restrict Band NVNT 1-DH5 2402MHz BT ANT No-Hopping Peak

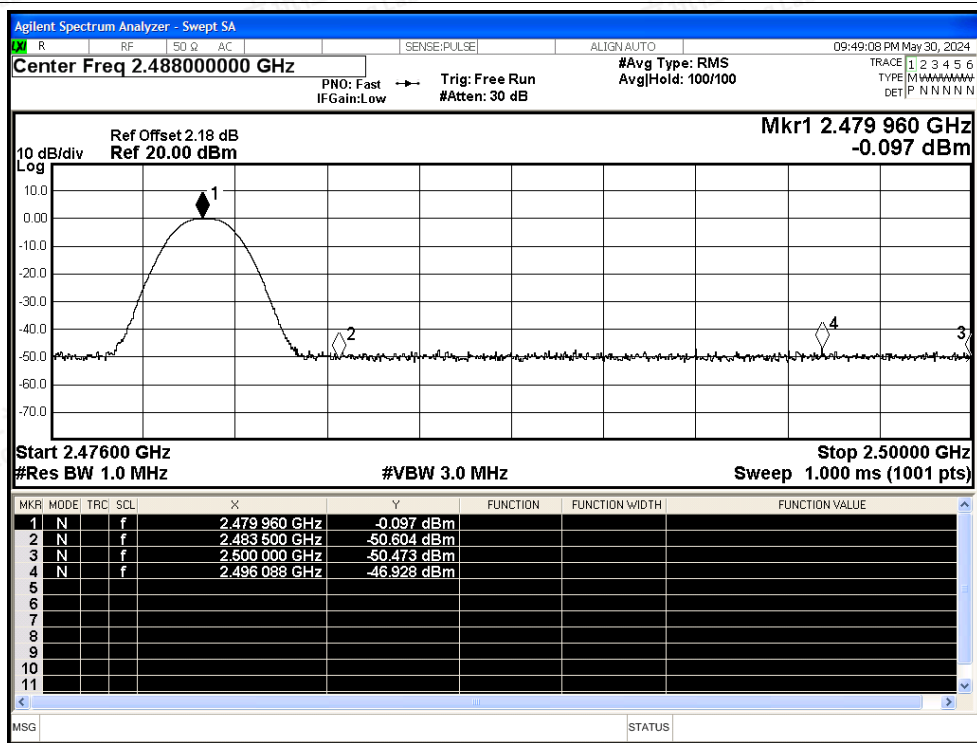


Restrict Band NVNT 1-DH5 2402MHz BT ANT No-Hopping Average

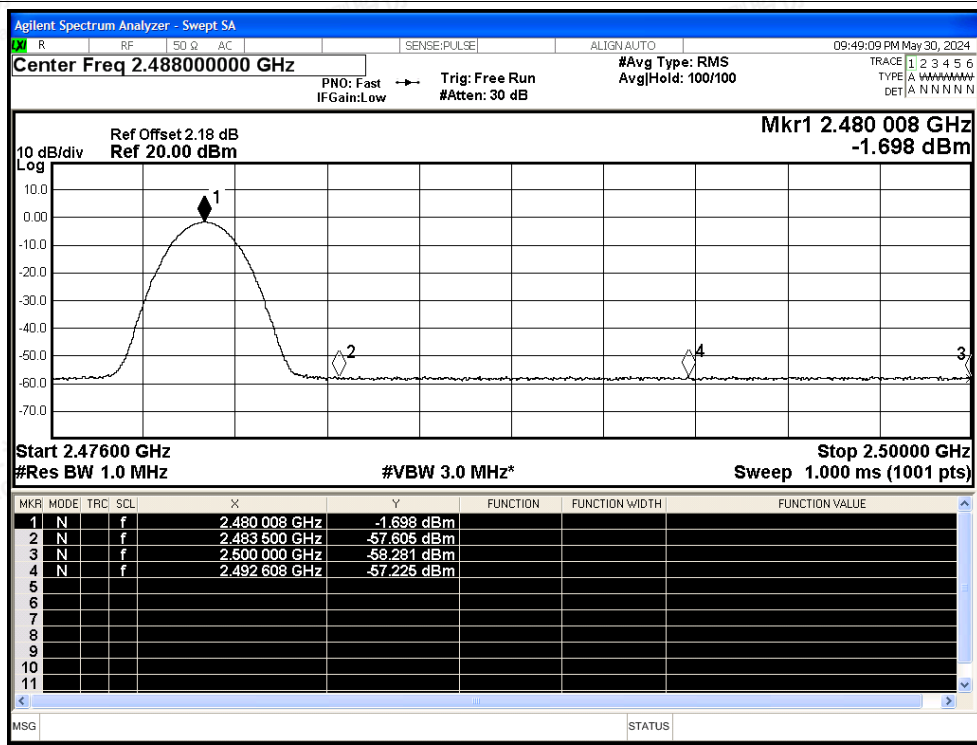




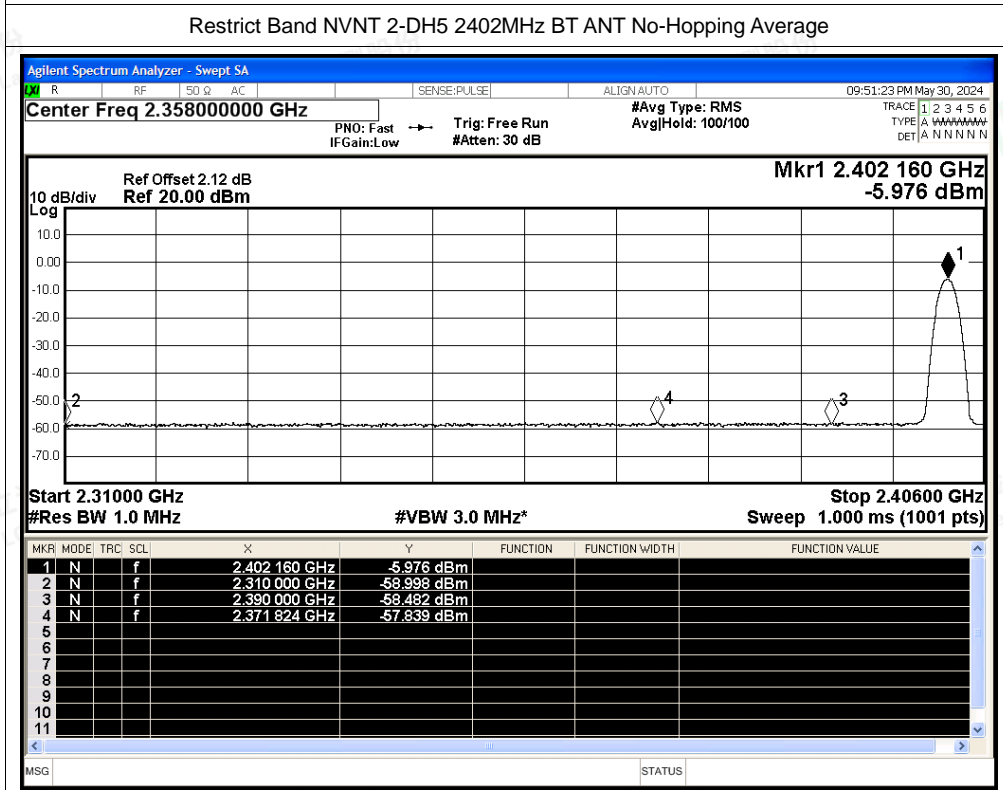
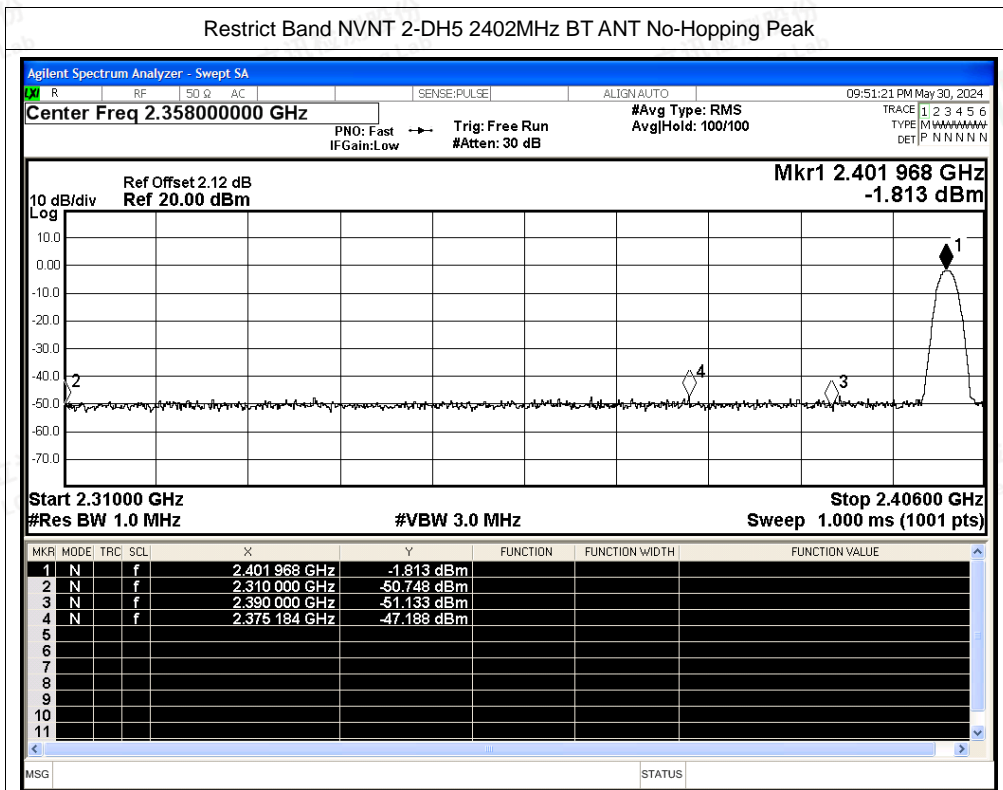
Restrict Band NVNT 1-DH5 2480MHz BT ANT No-Hopping Peak



Restrict Band NVNT 1-DH5 2480MHz BT ANT No-Hopping Average

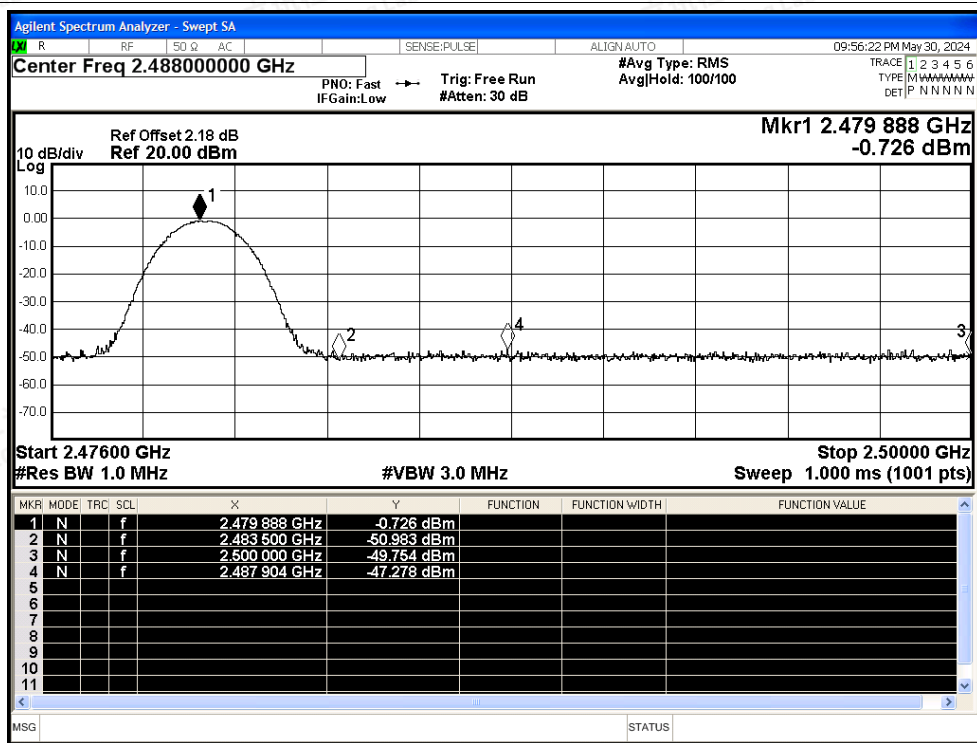




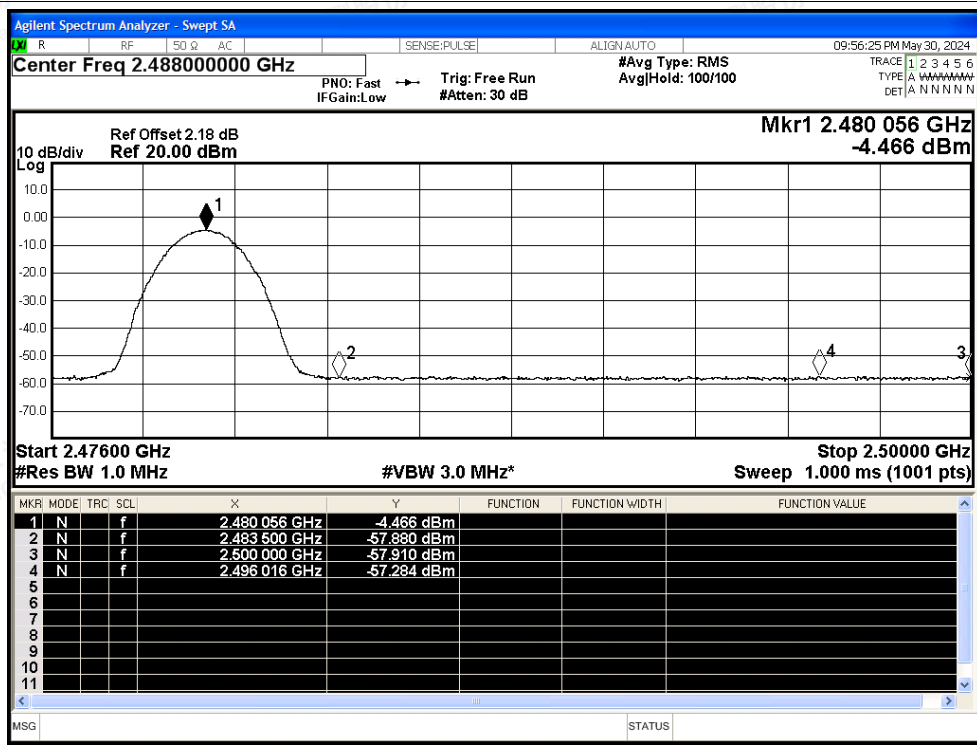


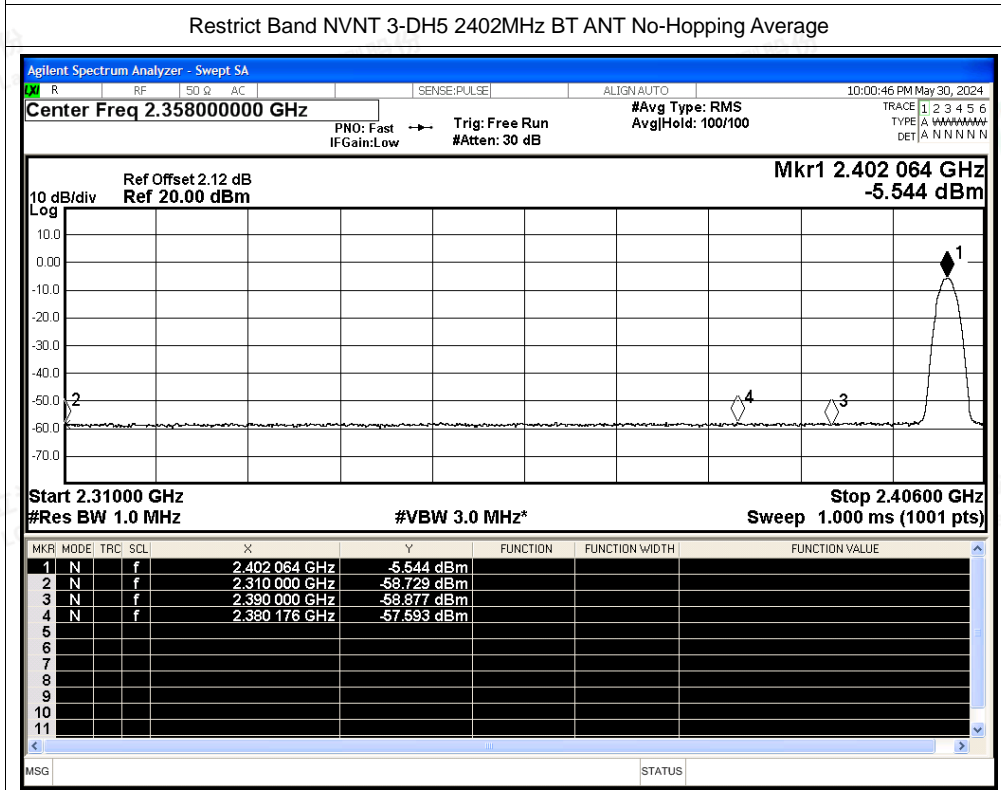
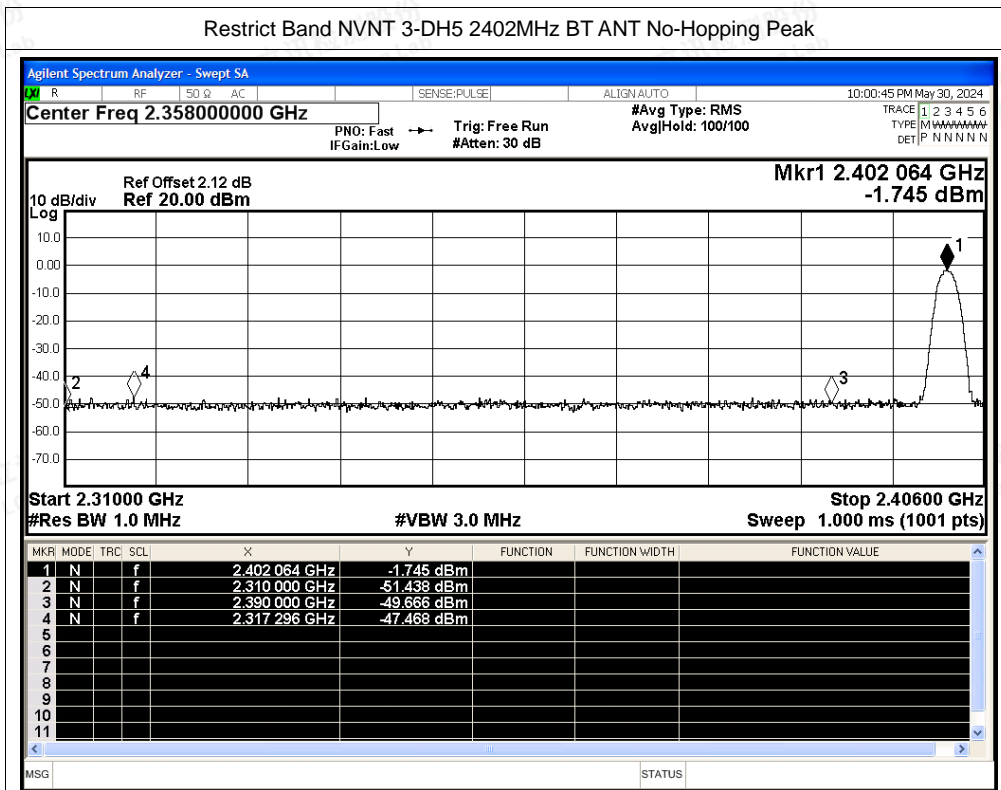


Restrict Band NVNT 2-DH5 2480MHz BT ANT No-Hopping Peak



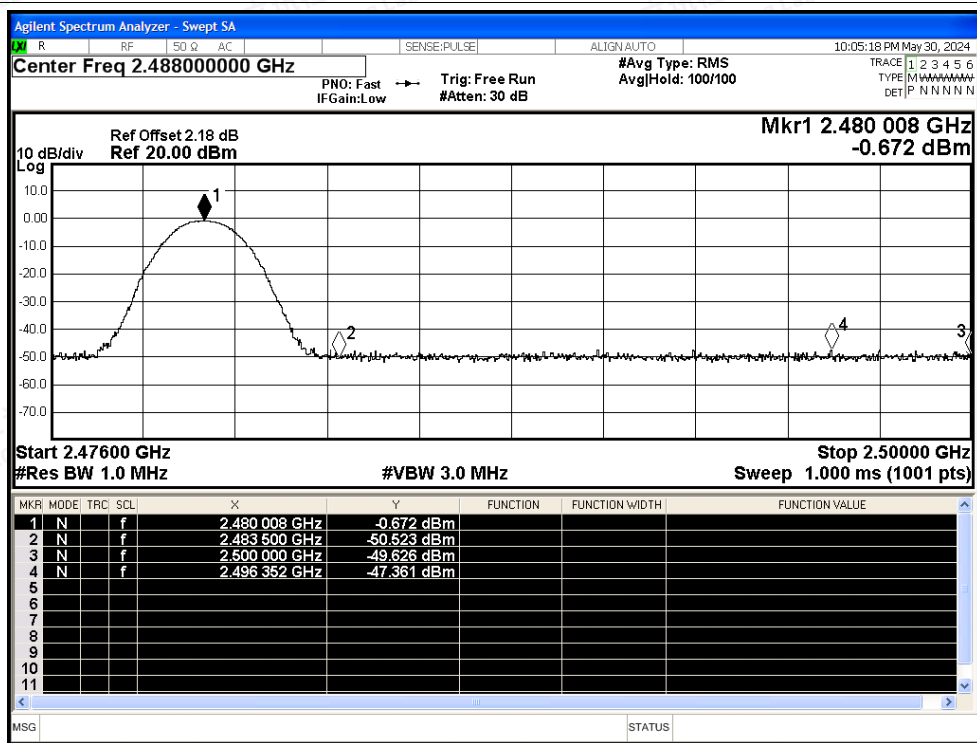
Restrict Band NVNT 2-DH5 2480MHz BT ANT No-Hopping Average







Restrict Band NVNT 3-DH5 2480MHz BT ANT No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz BT ANT No-Hopping Average

