



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smartphone

Test Model: NET HIT

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	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	0.939	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.952	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.958	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.314	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.306	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.289	N/A	Pass

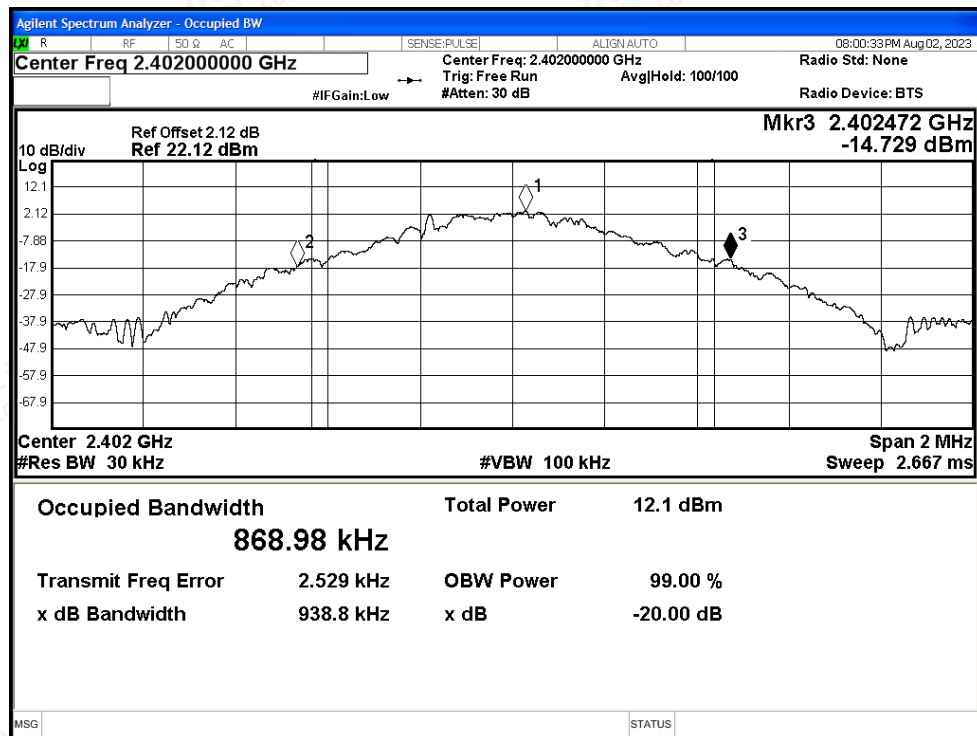


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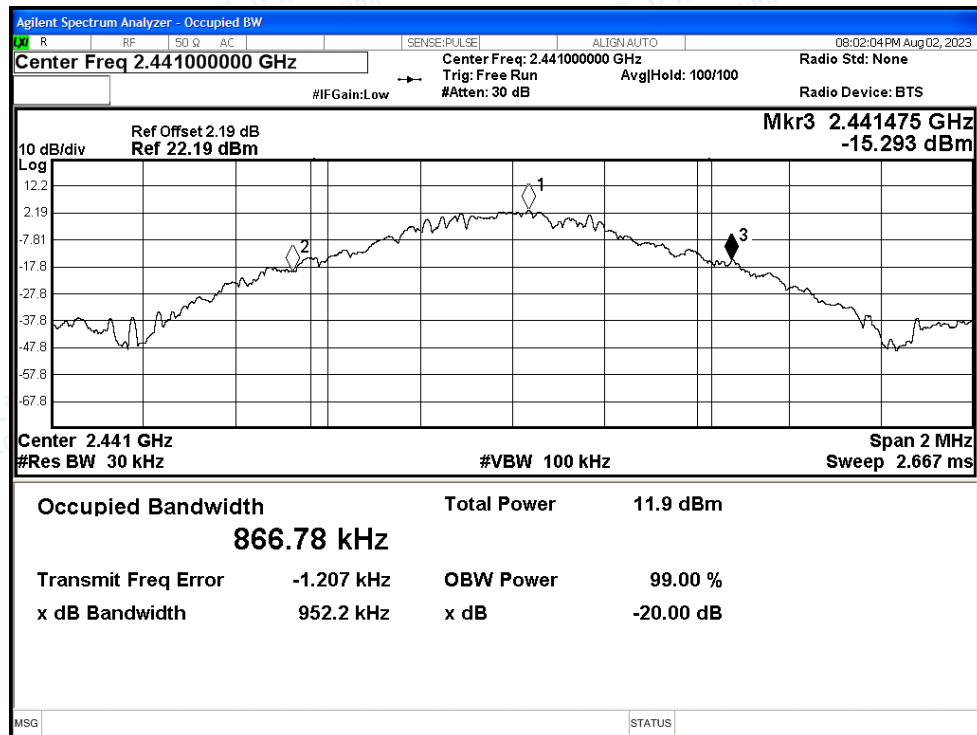


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

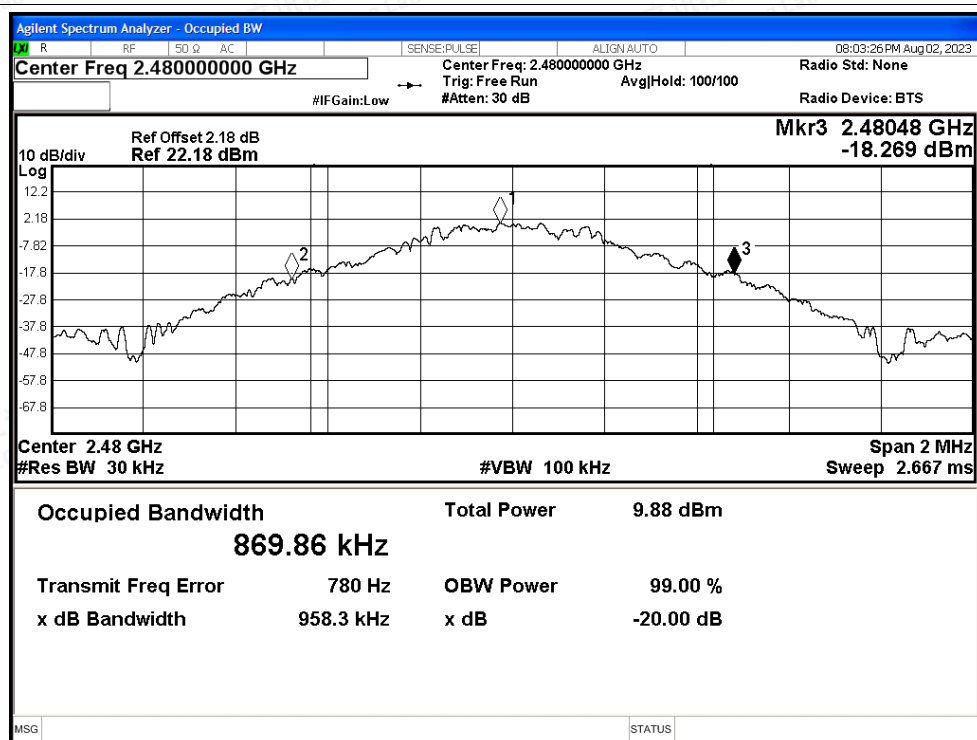


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

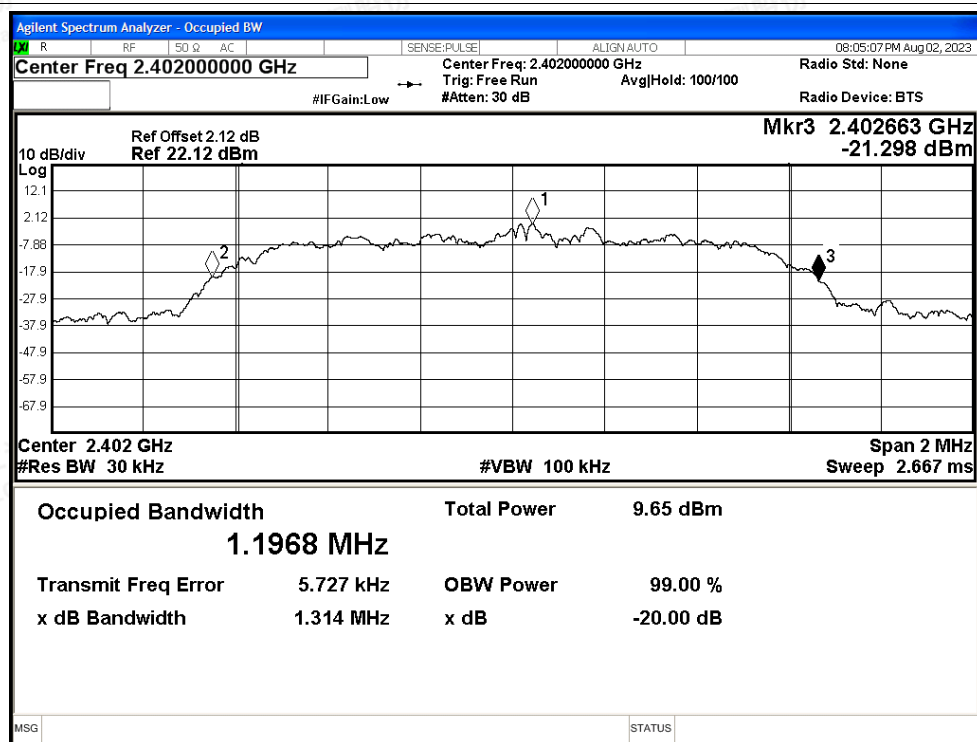




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

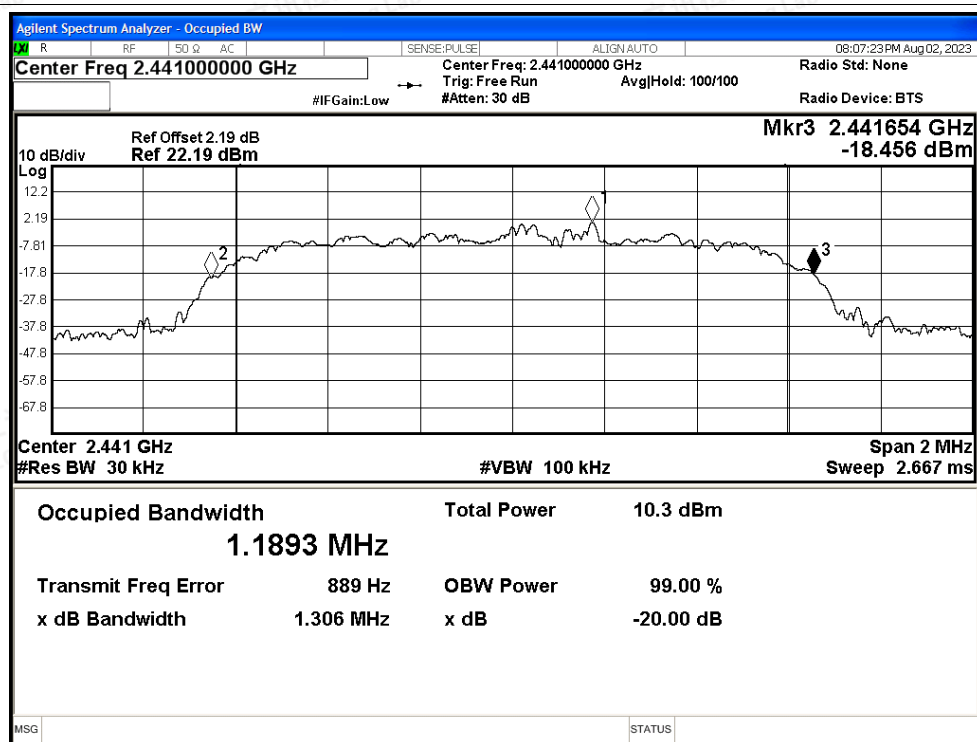


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

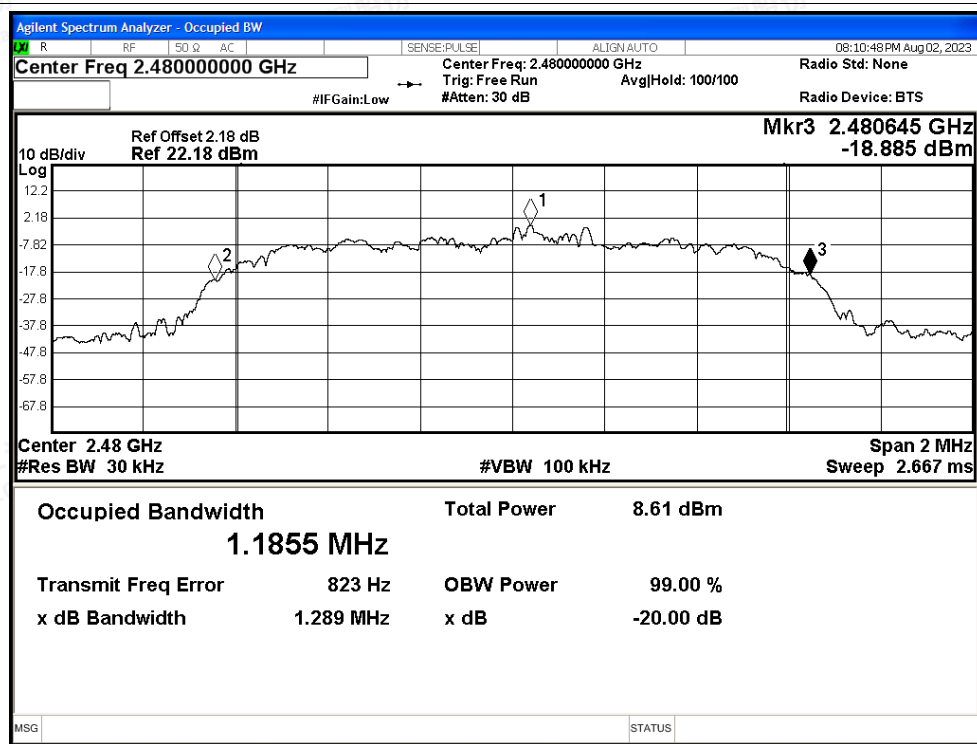




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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A.2 Maximum Conducted Output Power

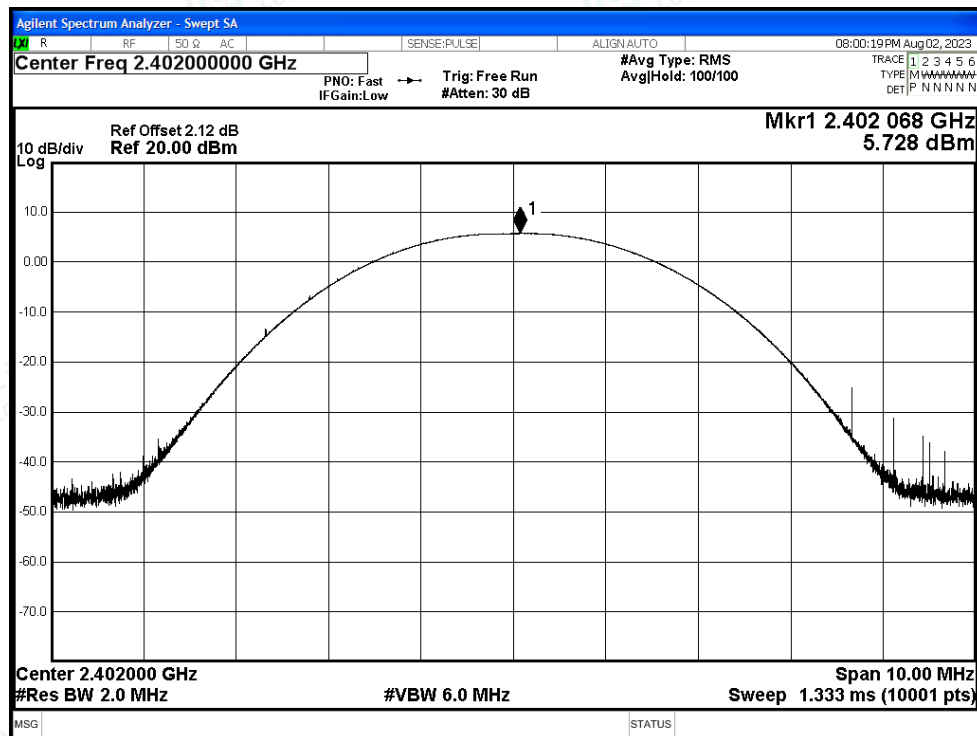
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	5.73	21	Pass
NVNT	1-DH5	2441	Ant1	5.50	21	Pass
NVNT	1-DH5	2480	Ant1	3.53	21	Pass
NVNT	2-DH5	2402	Ant1	5.13	21	Pass
NVNT	2-DH5	2441	Ant1	5.82	21	Pass
NVNT	2-DH5	2480	Ant1	4.00	21	Pass



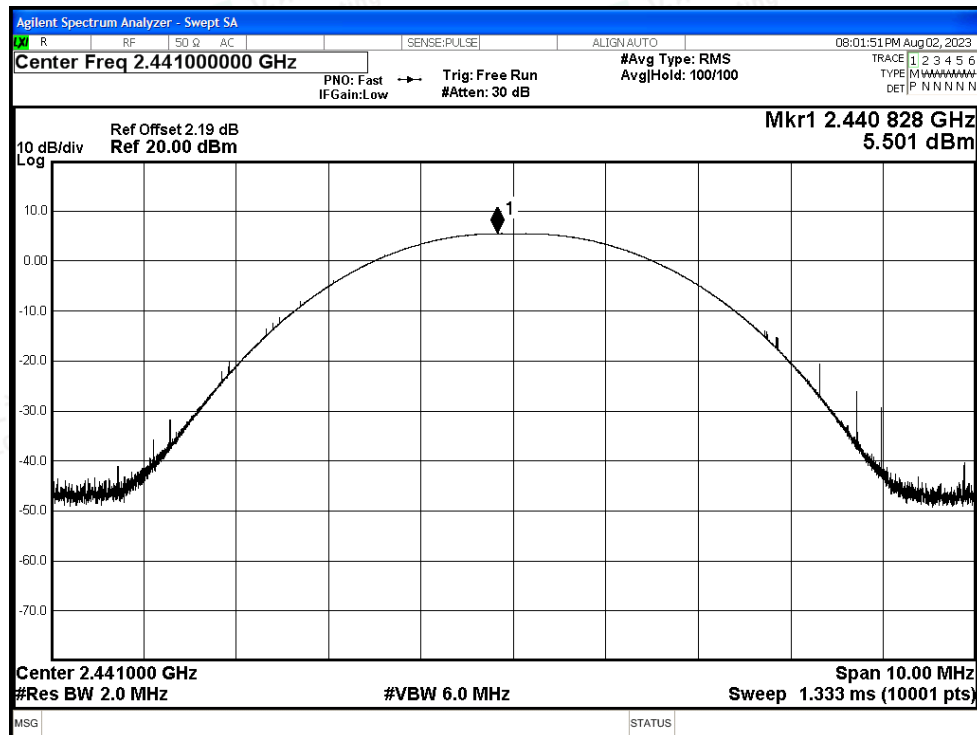


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

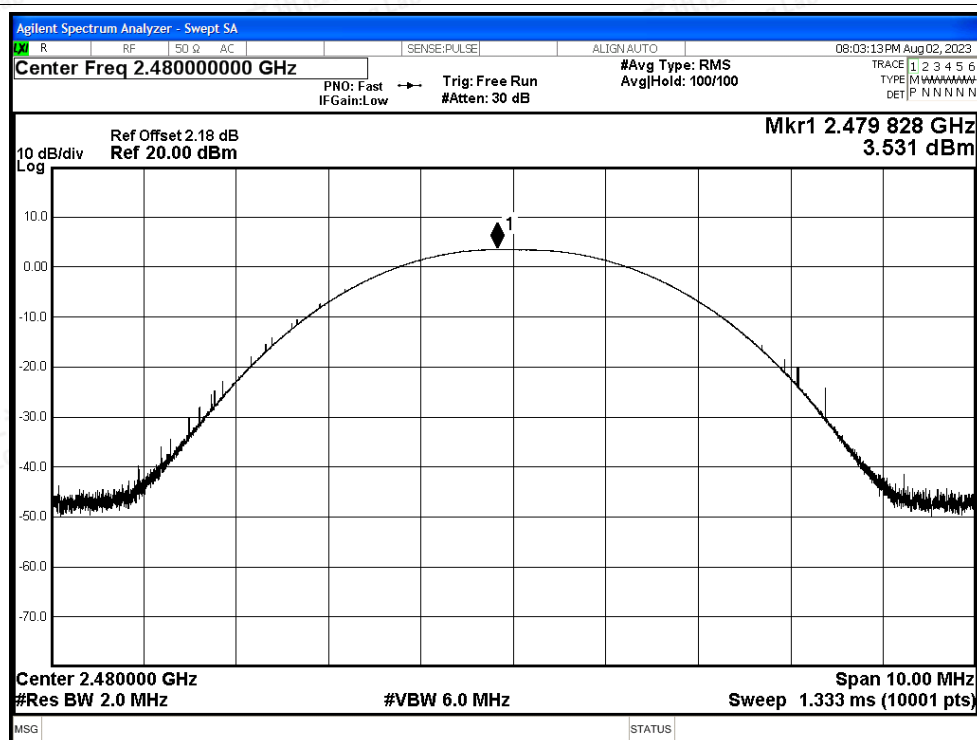


Power NVNT 1-DH5 2441MHz Ant1

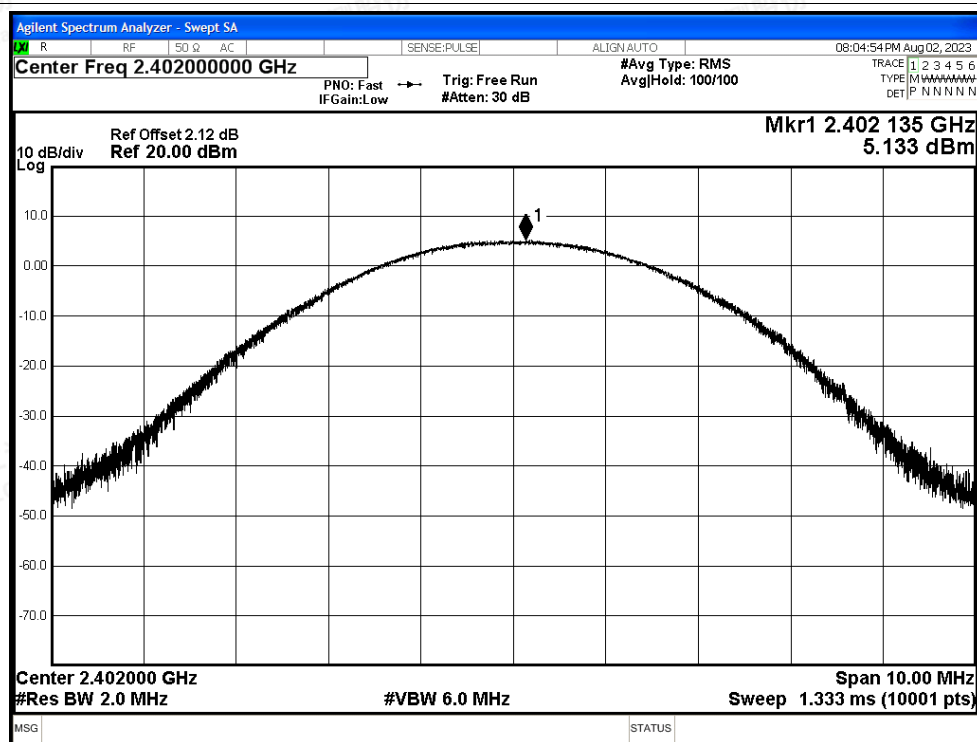




Power NVNT 1-DH5 2480MHz Ant1

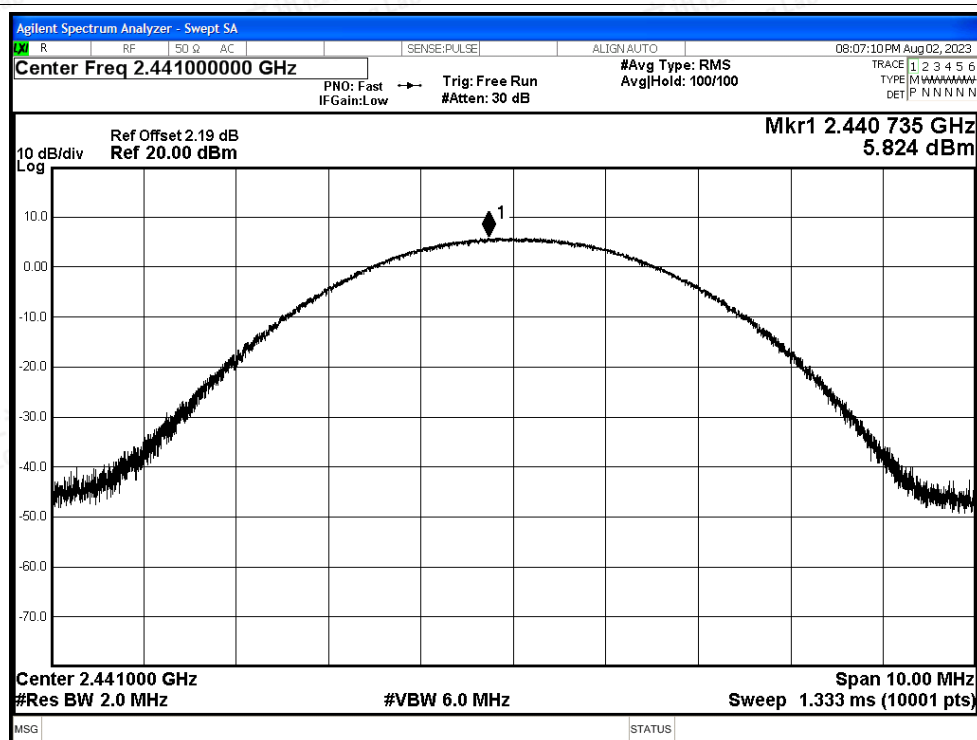


Power NVNT 2-DH5 2402MHz Ant1

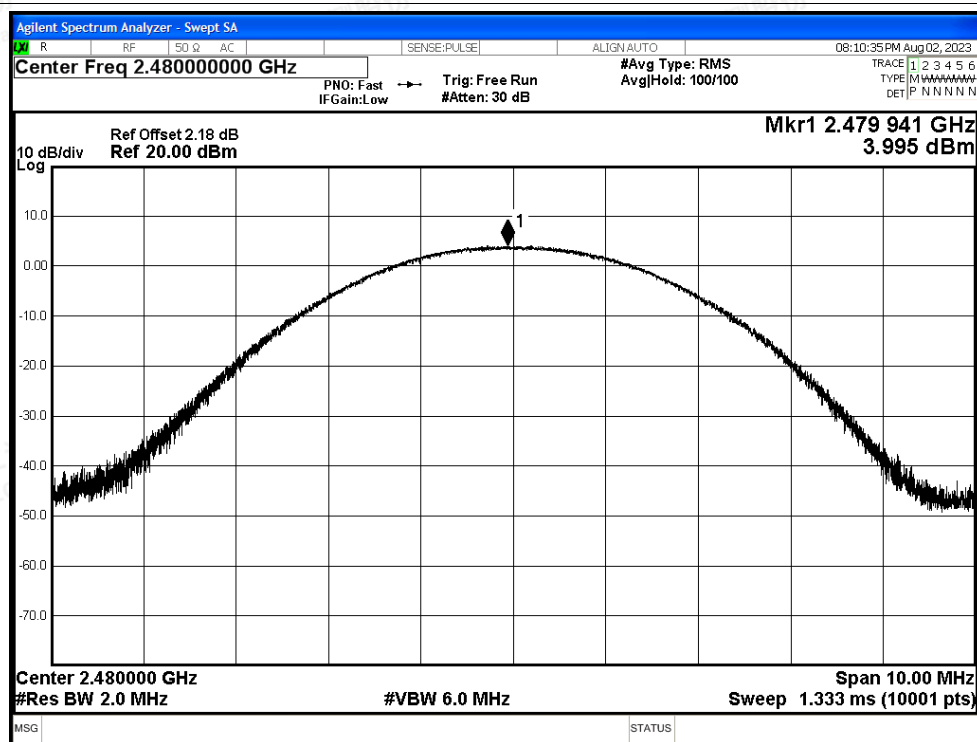




Power NVNT 2-DH5 2441MHz Ant1



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	2401.994	2402.91	0.916	0.639	Pass
NVNT	2-DH5	Ant1	2402.028	2403.158	1.13	0.876	Pass

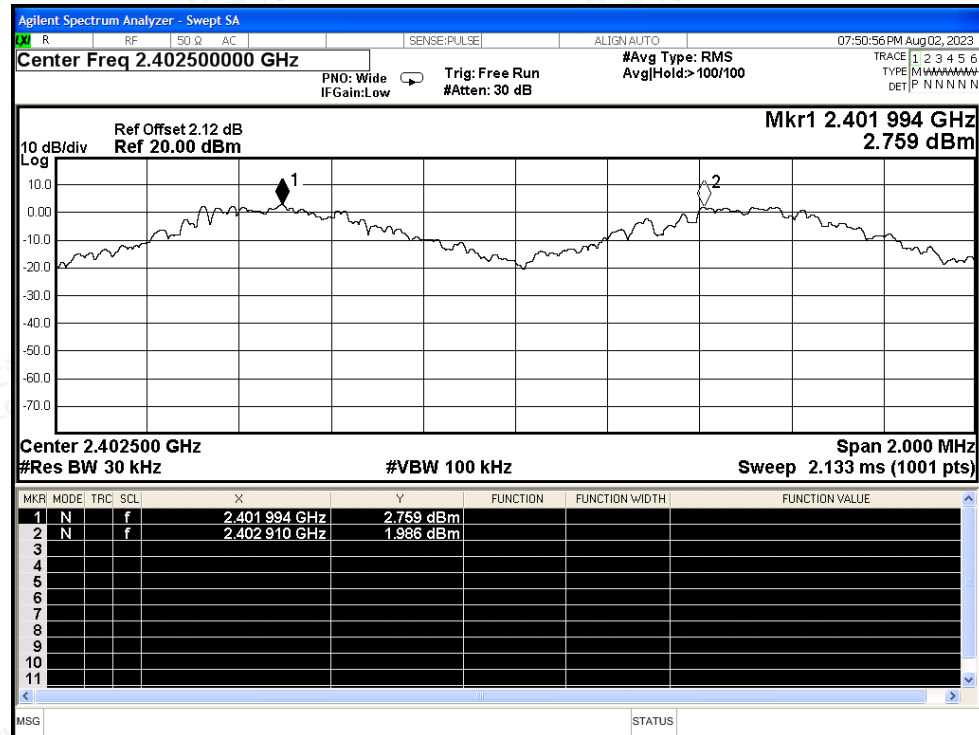


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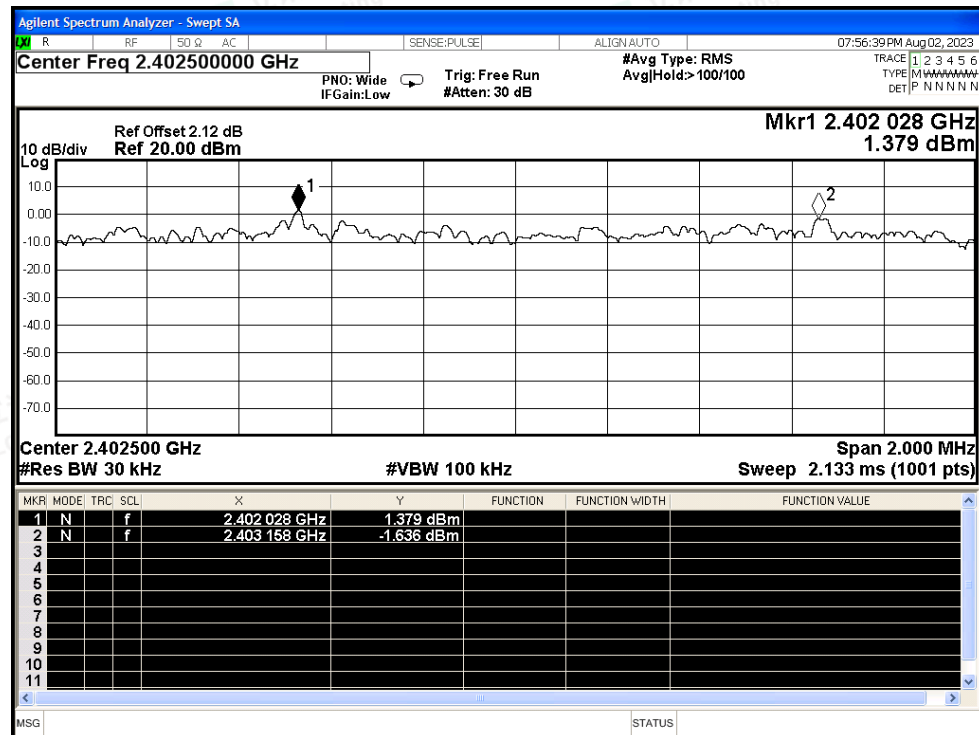


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS 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	0.499	51.896	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.884	302.82	105	31600	400	Pass

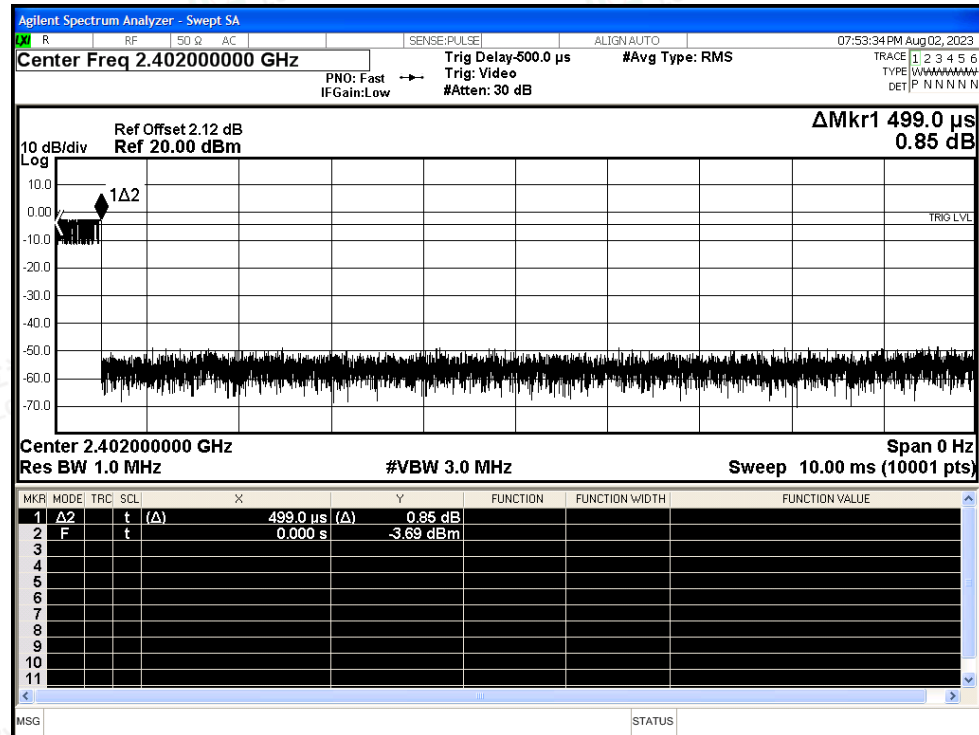


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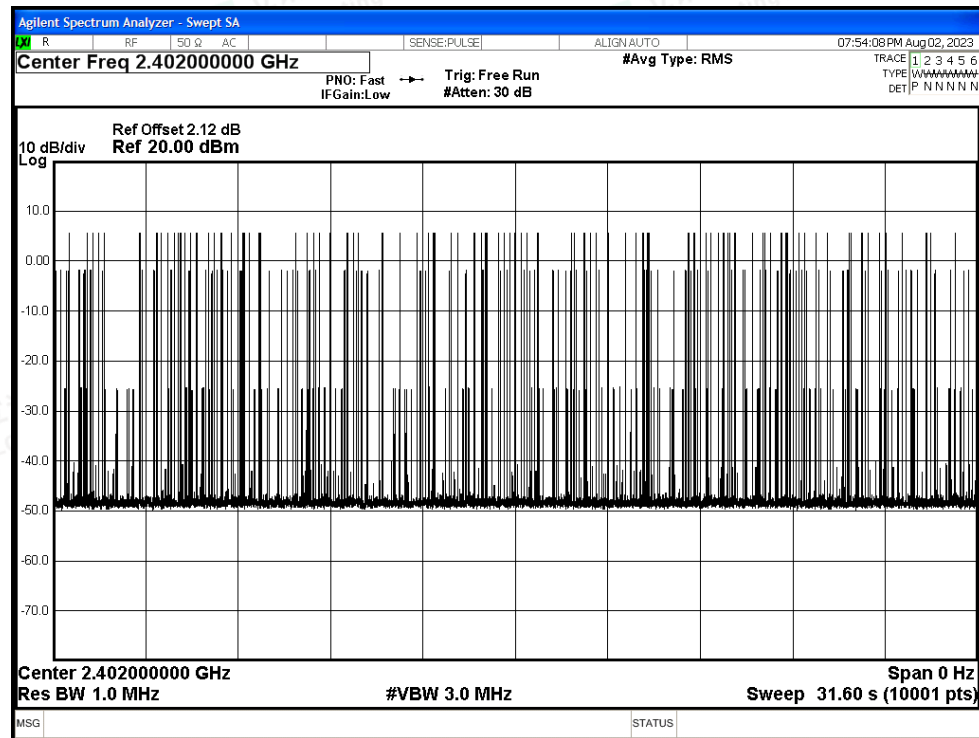


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

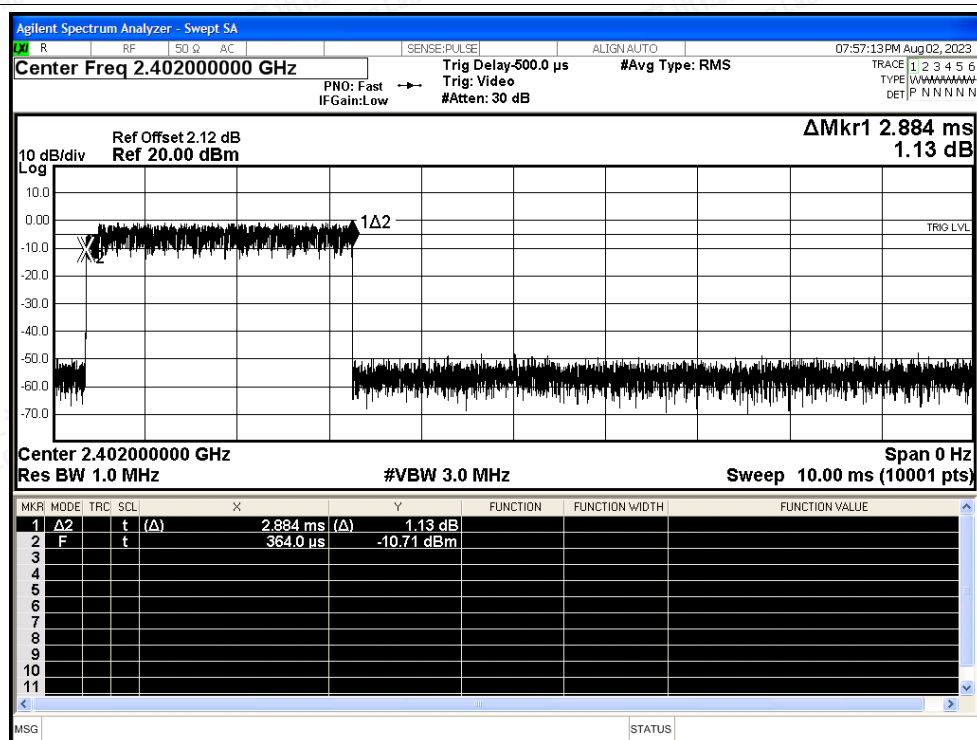


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

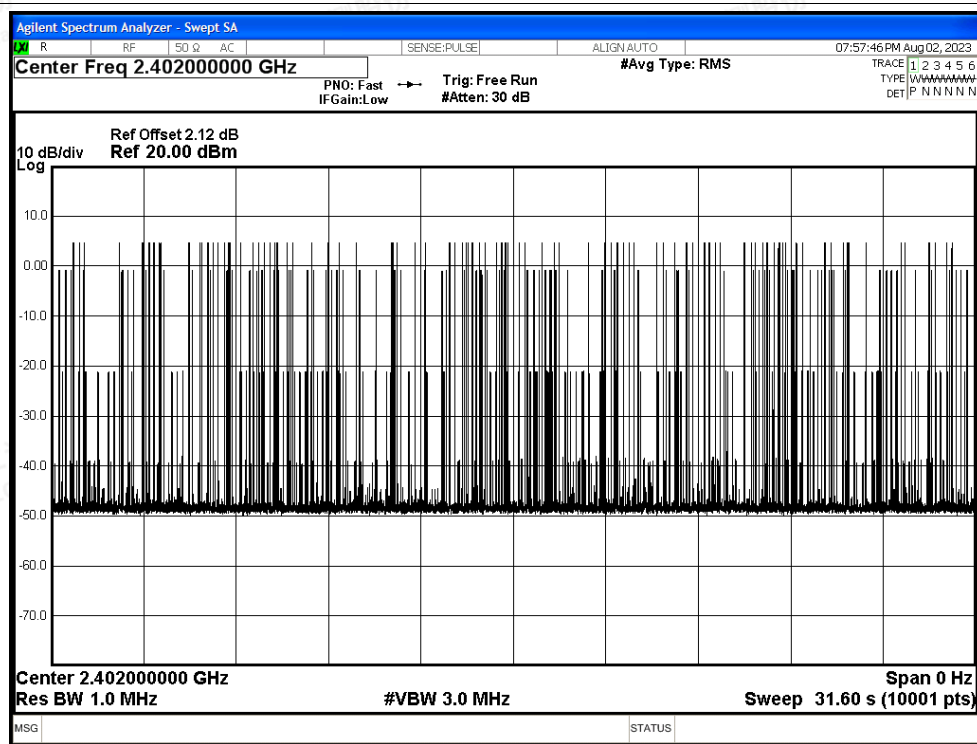




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



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

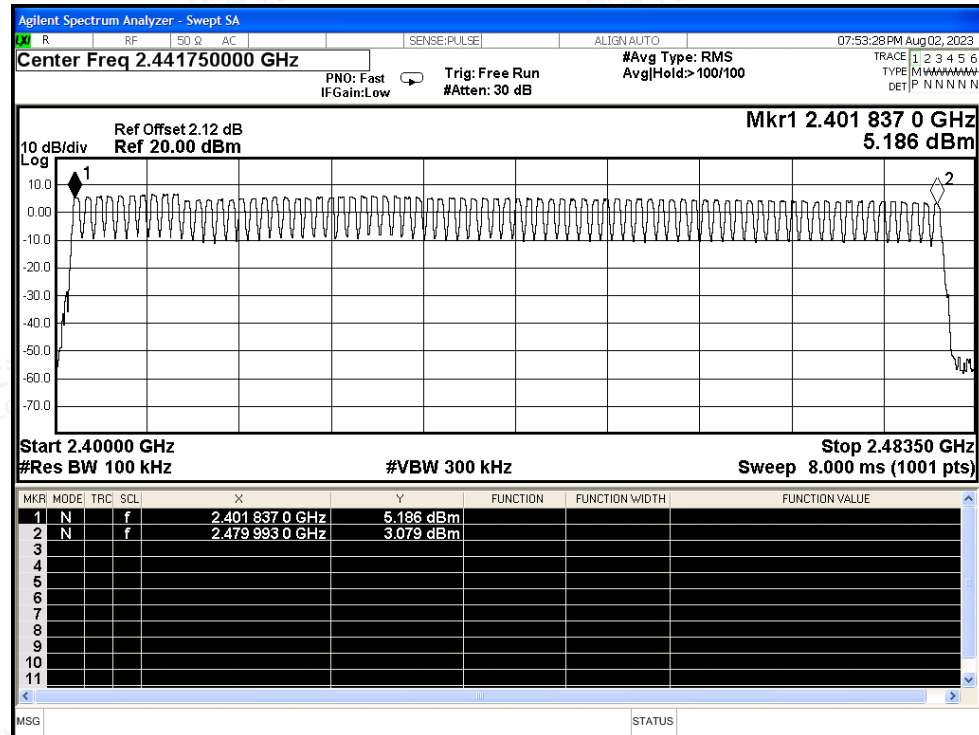


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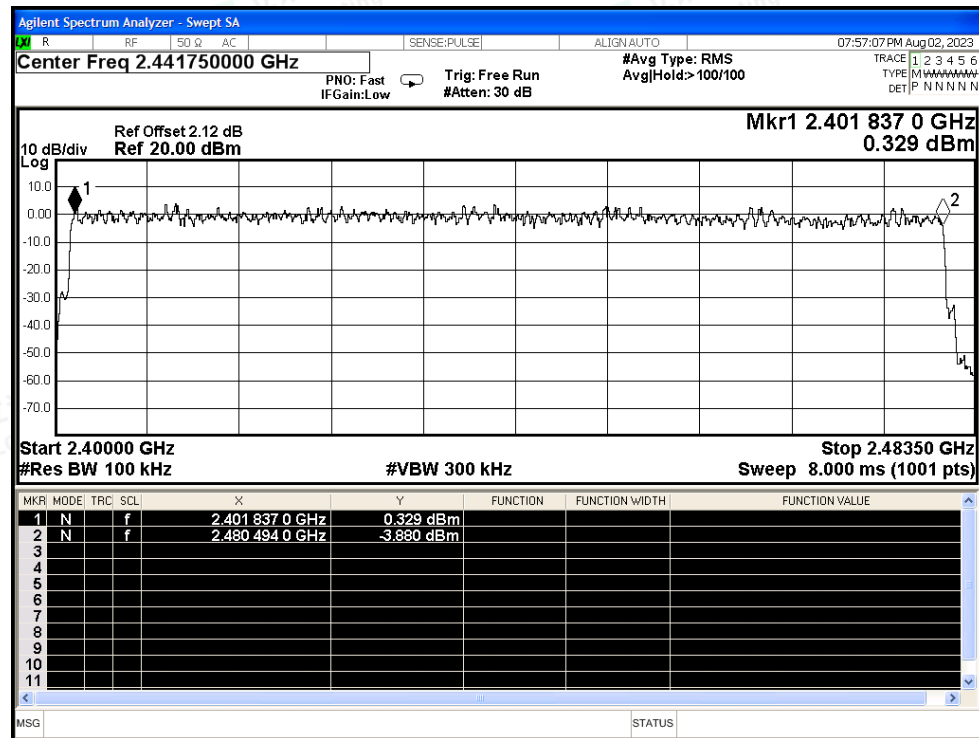


Test Graphs

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	-61.11	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.1	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-43.5	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-57.88	-20	Pass

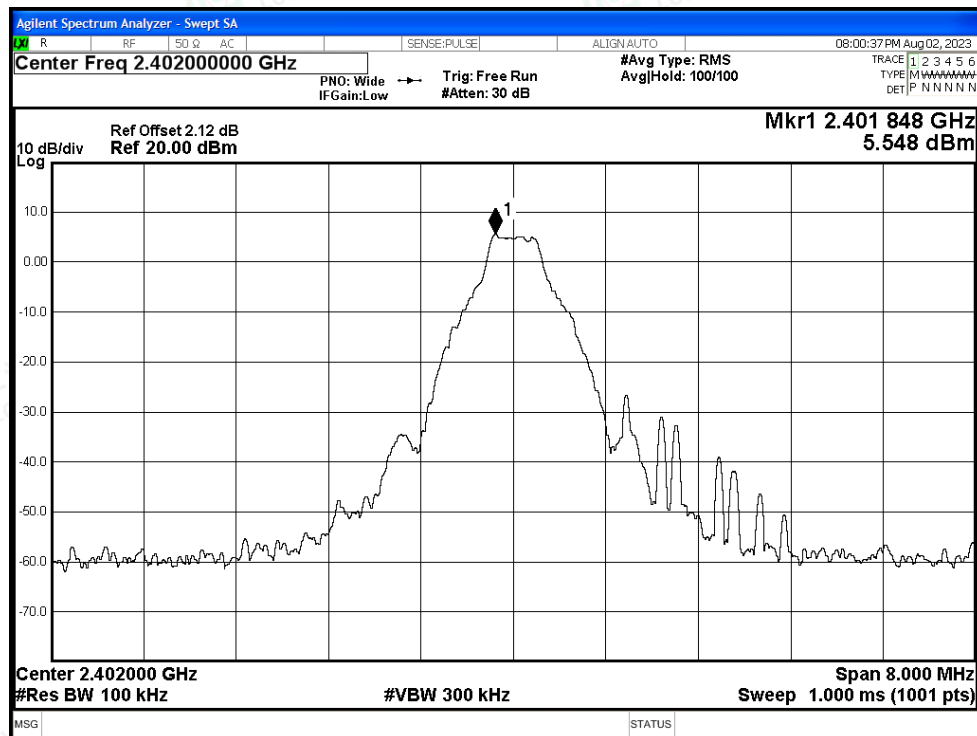


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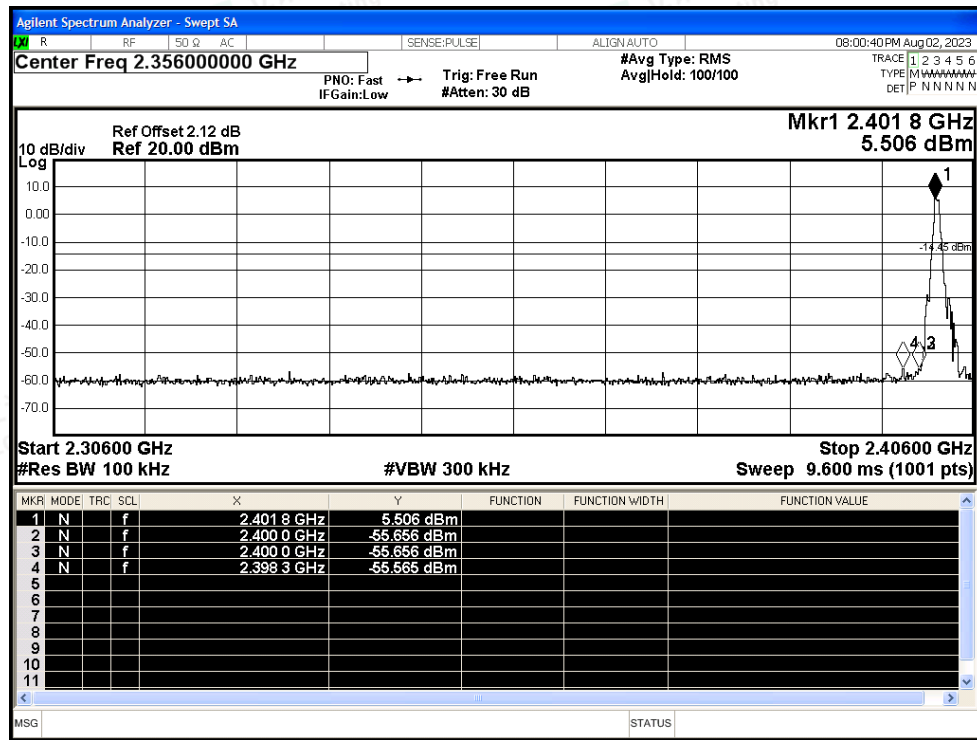


Test Graphs

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

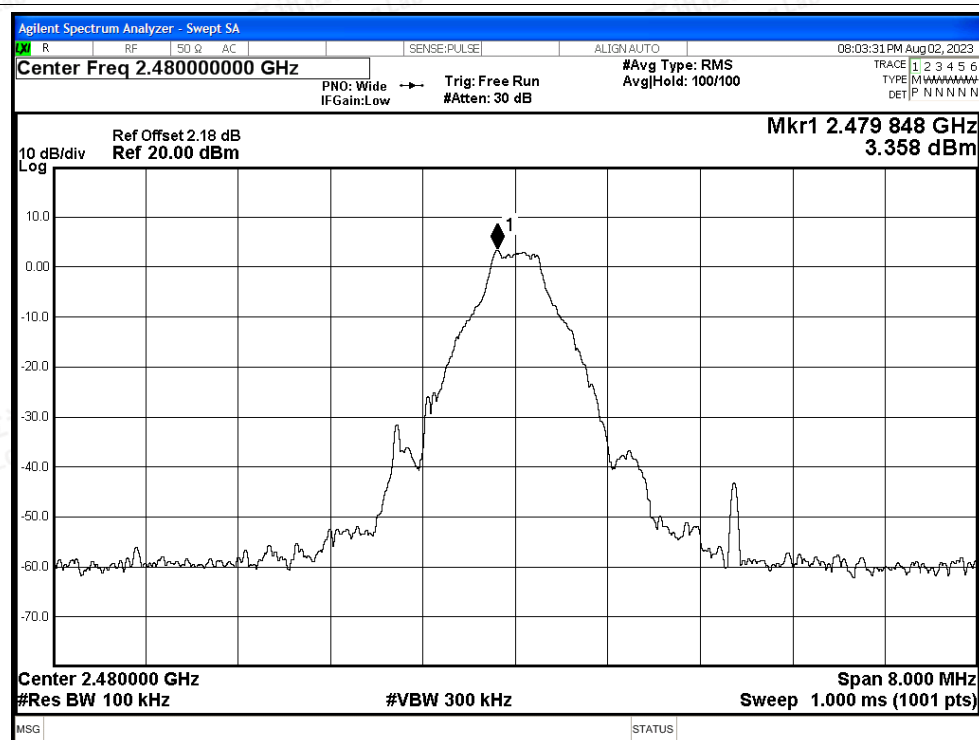


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

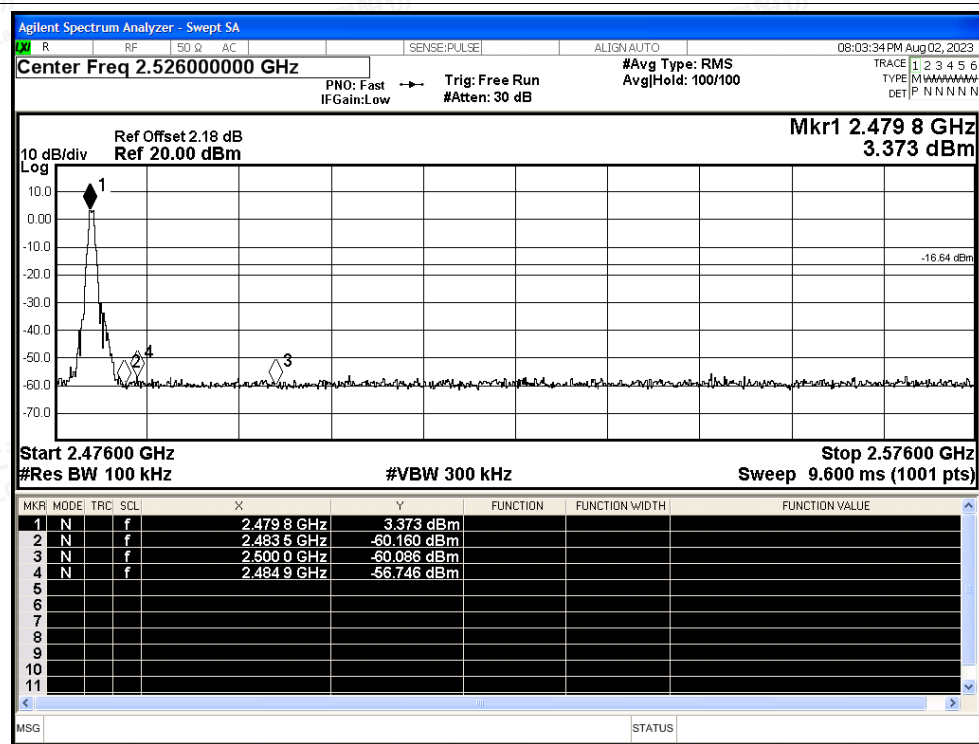




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

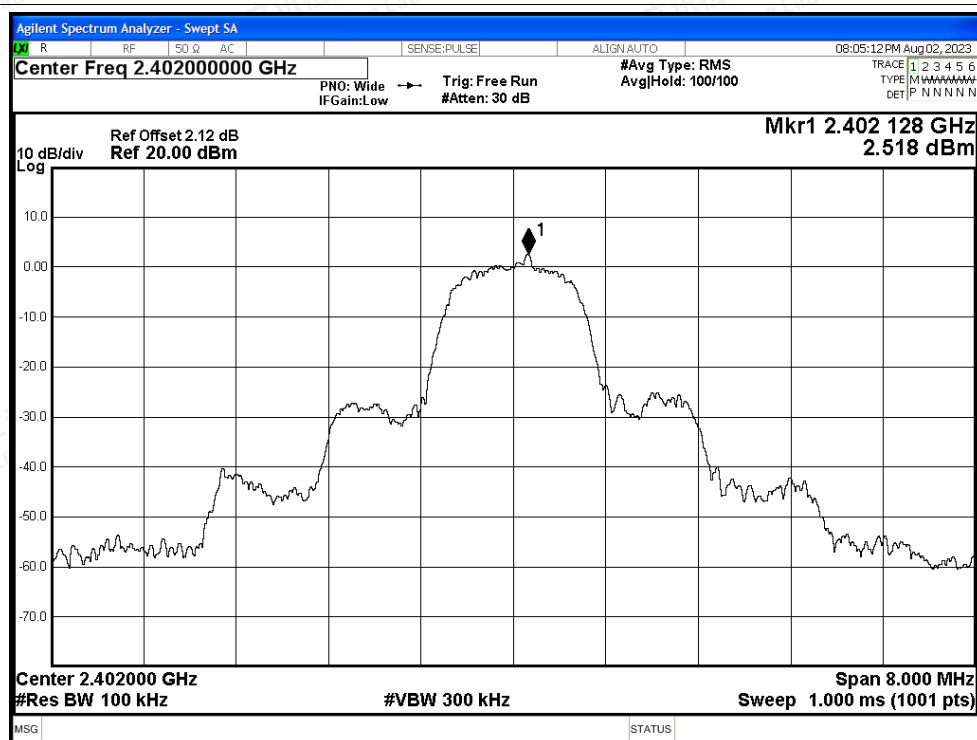
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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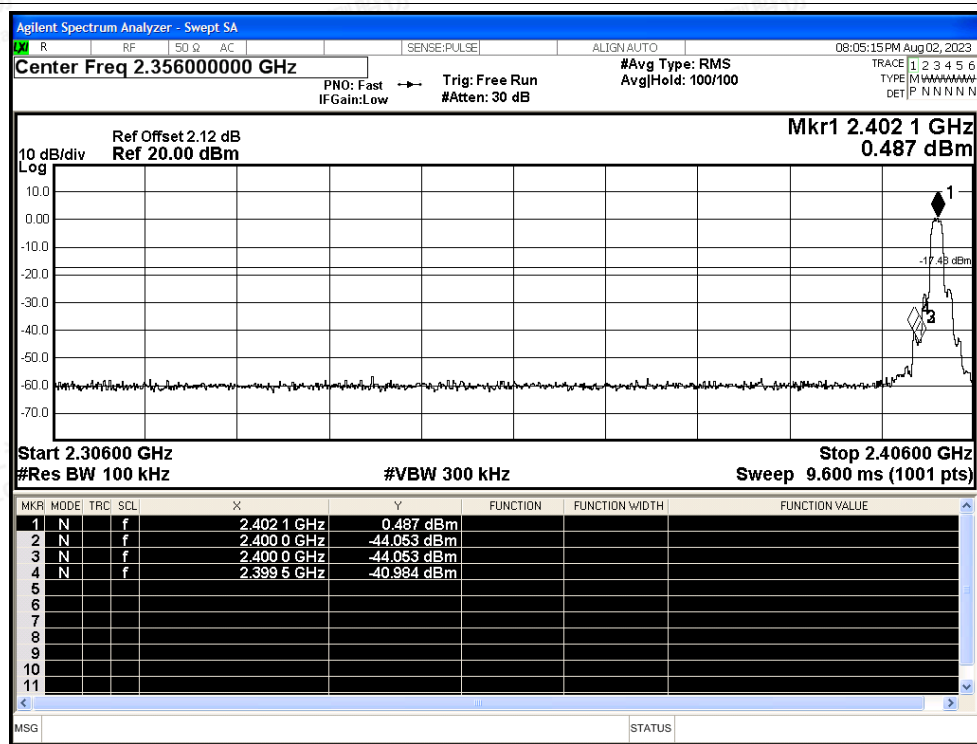
Scan code to check authenticity



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

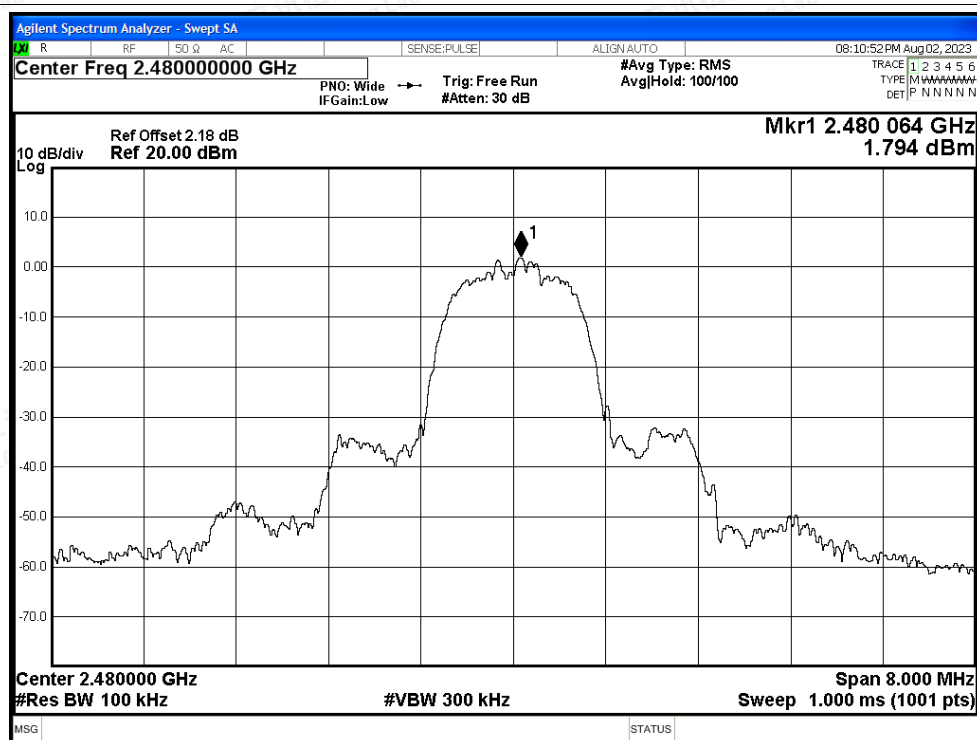


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

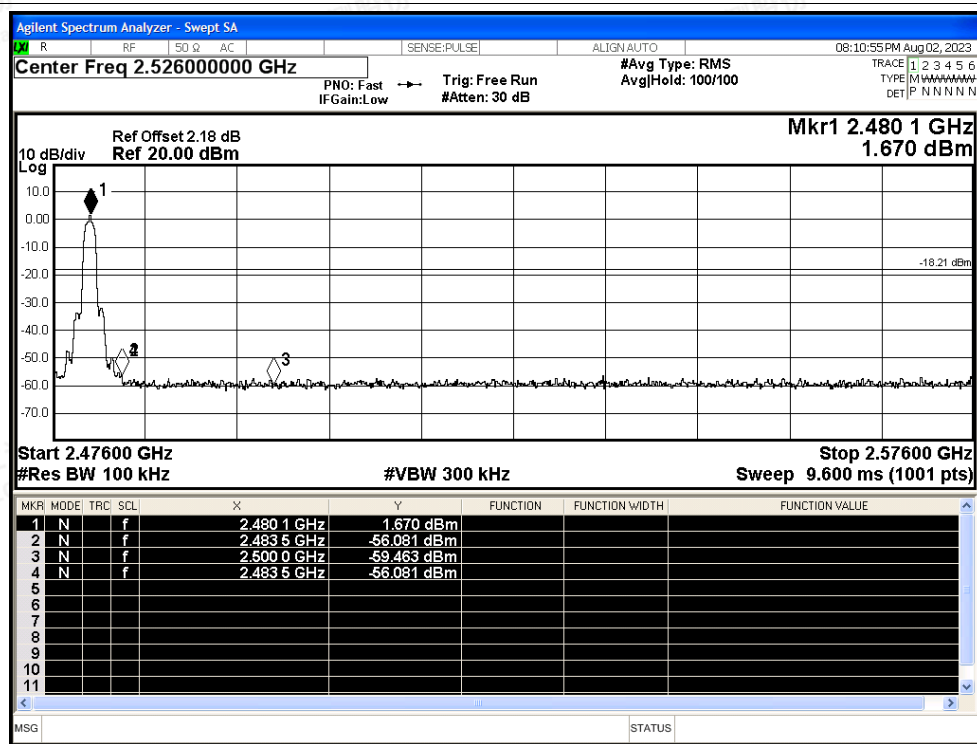




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

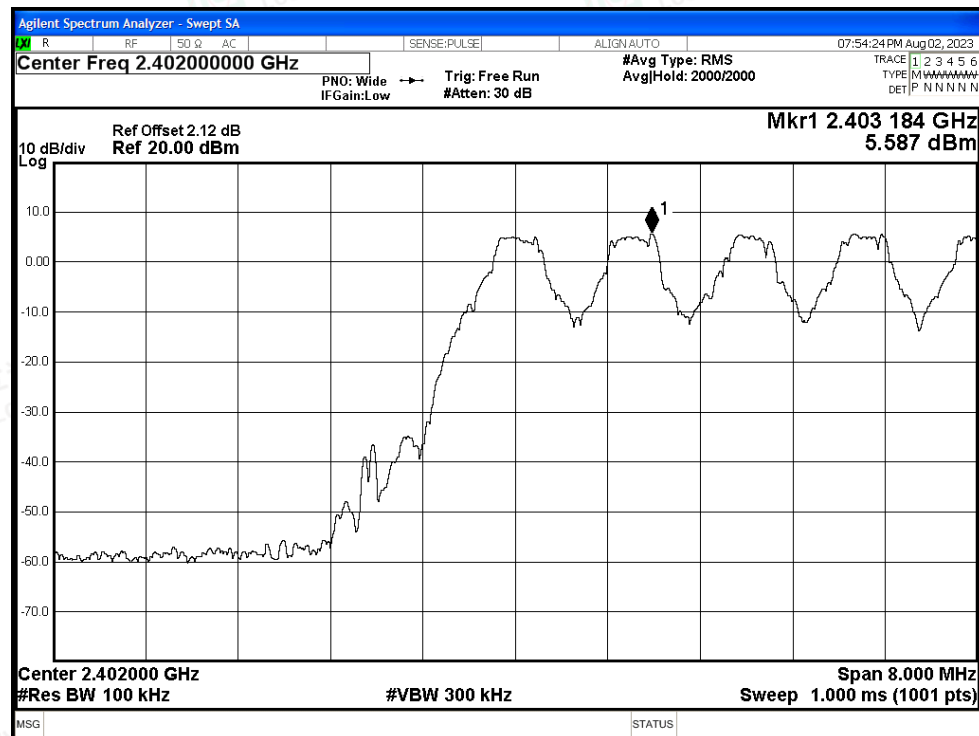
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-61.56	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-60.22	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-59.46	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-58.43	-20	Pass



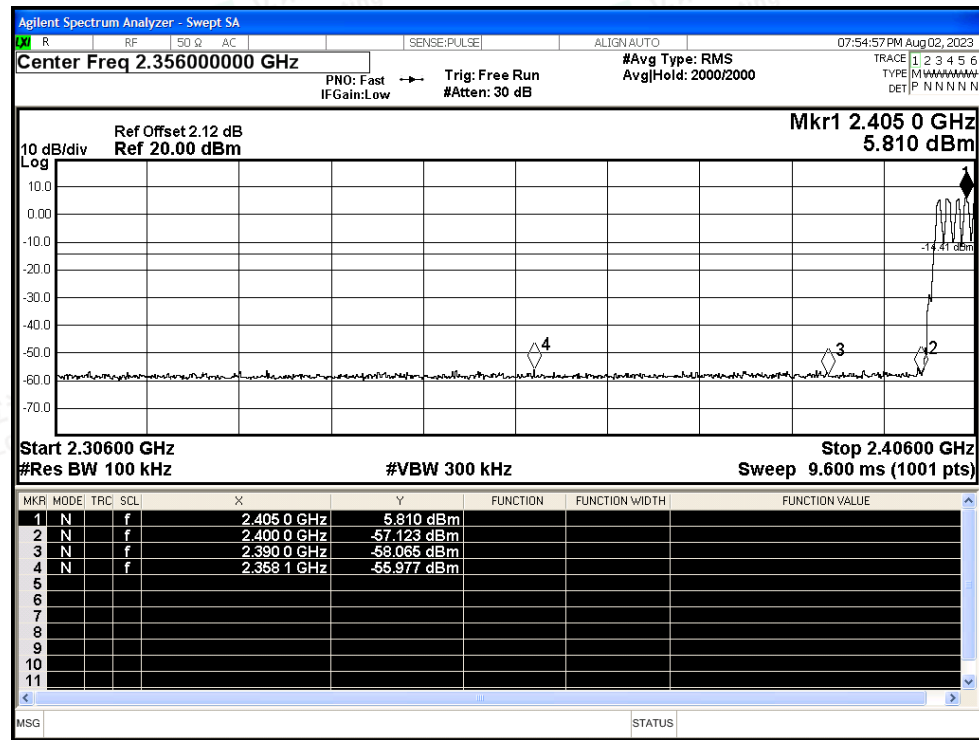


Test Graphs

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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

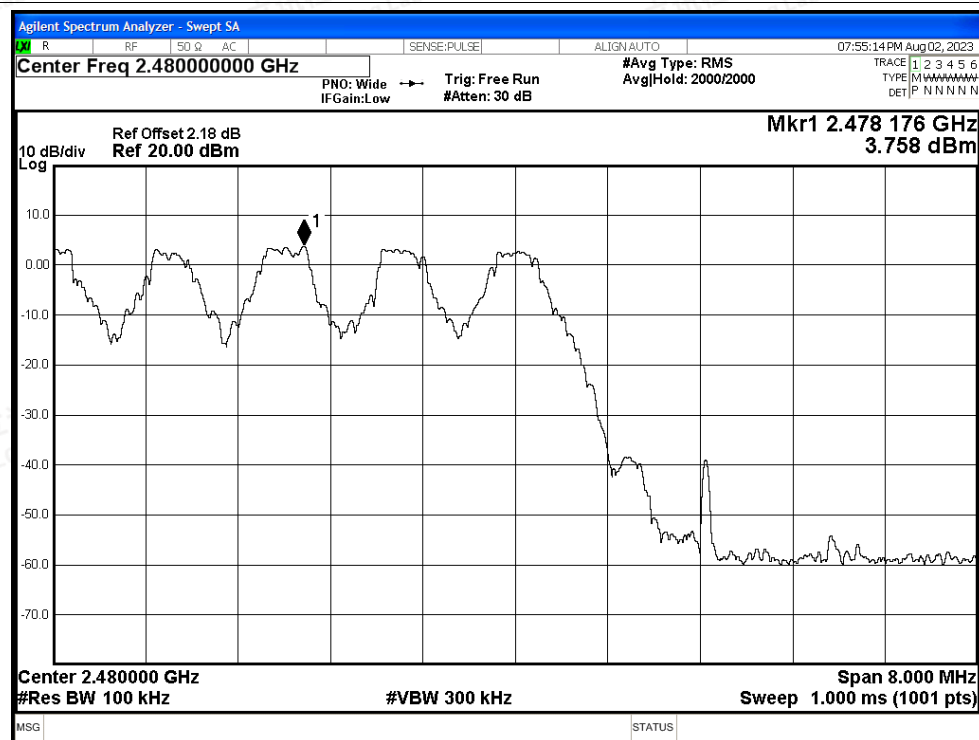
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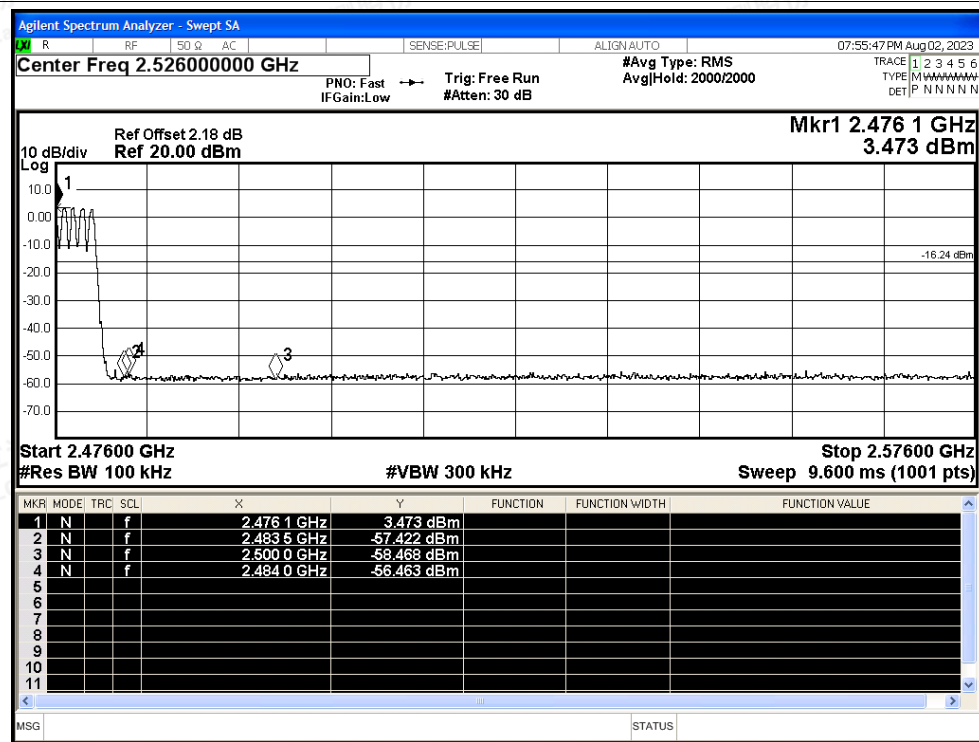
Scan code to check authenticity



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

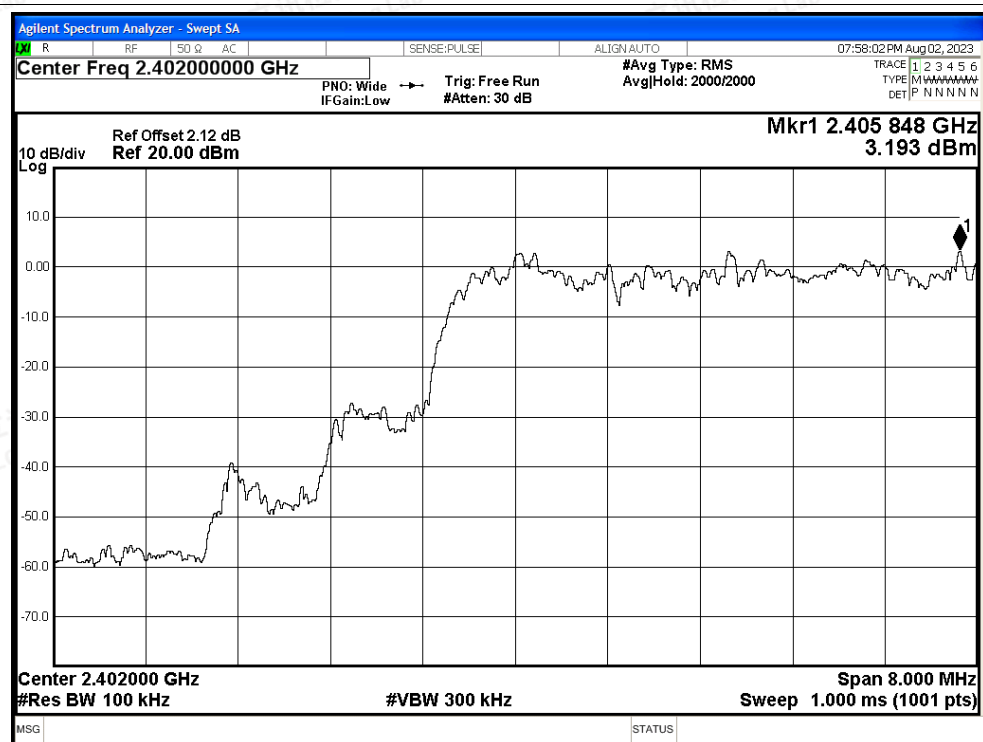


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

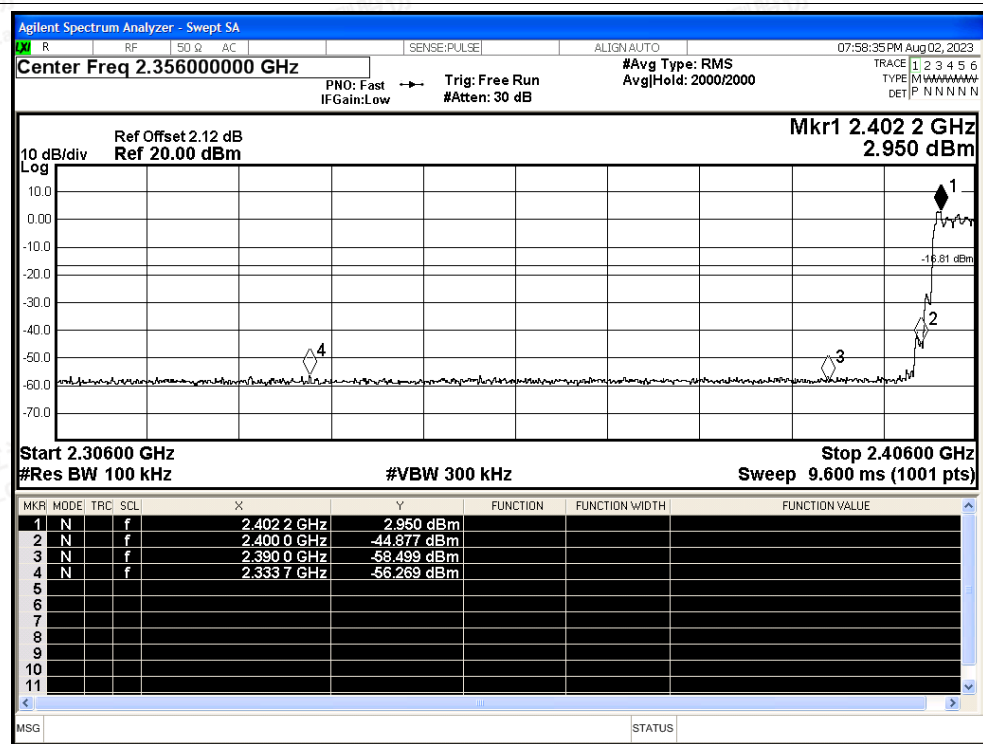




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

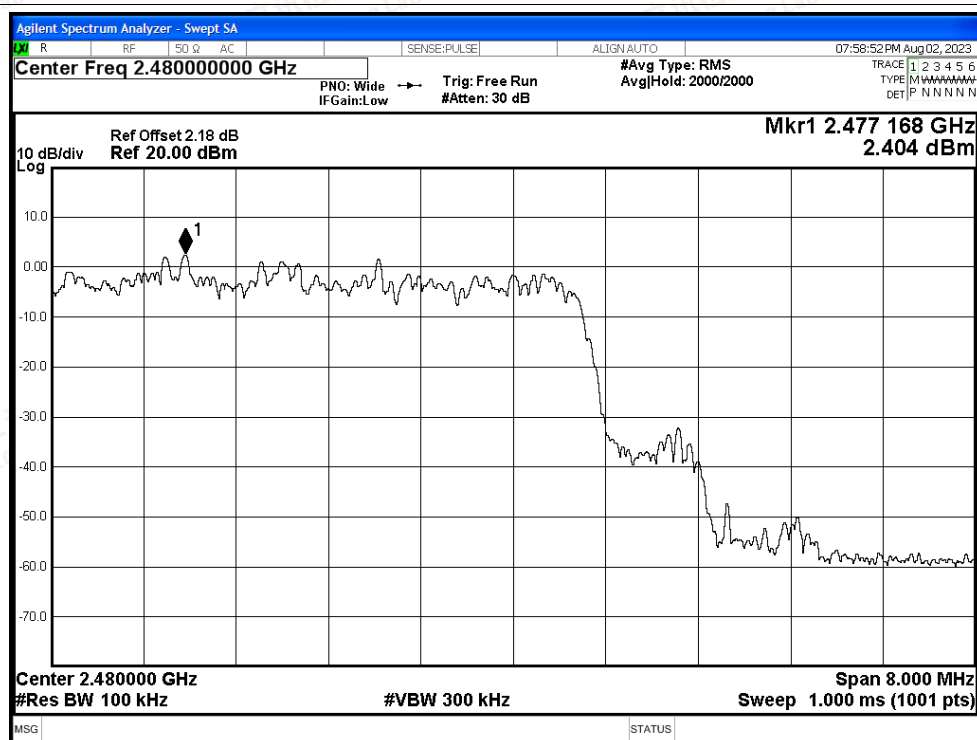
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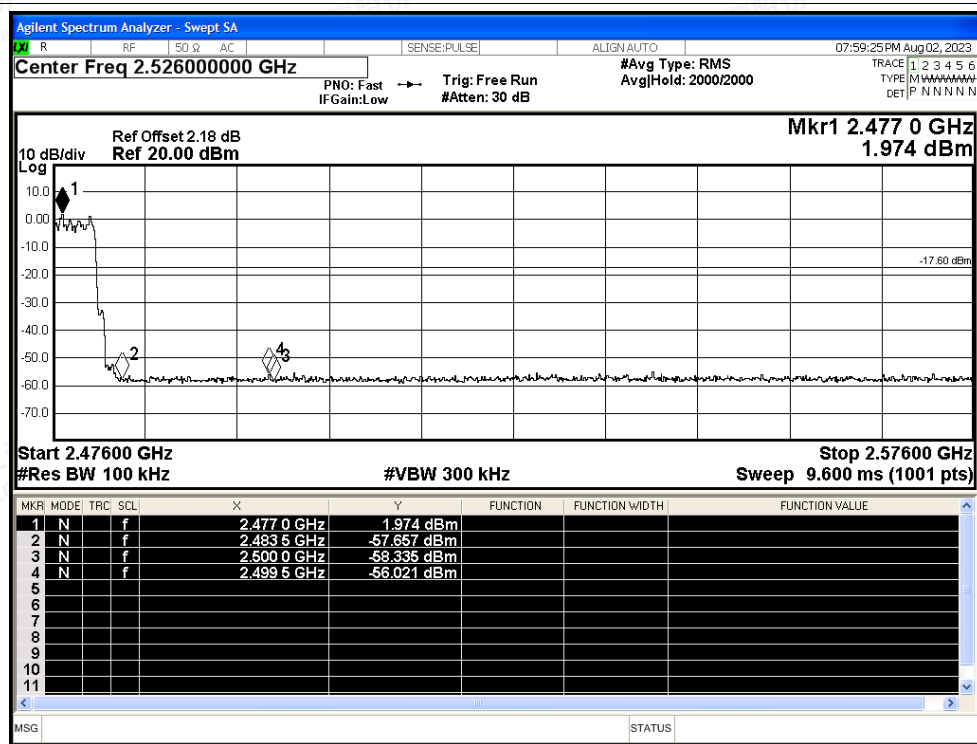
Scan code to check authenticity



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

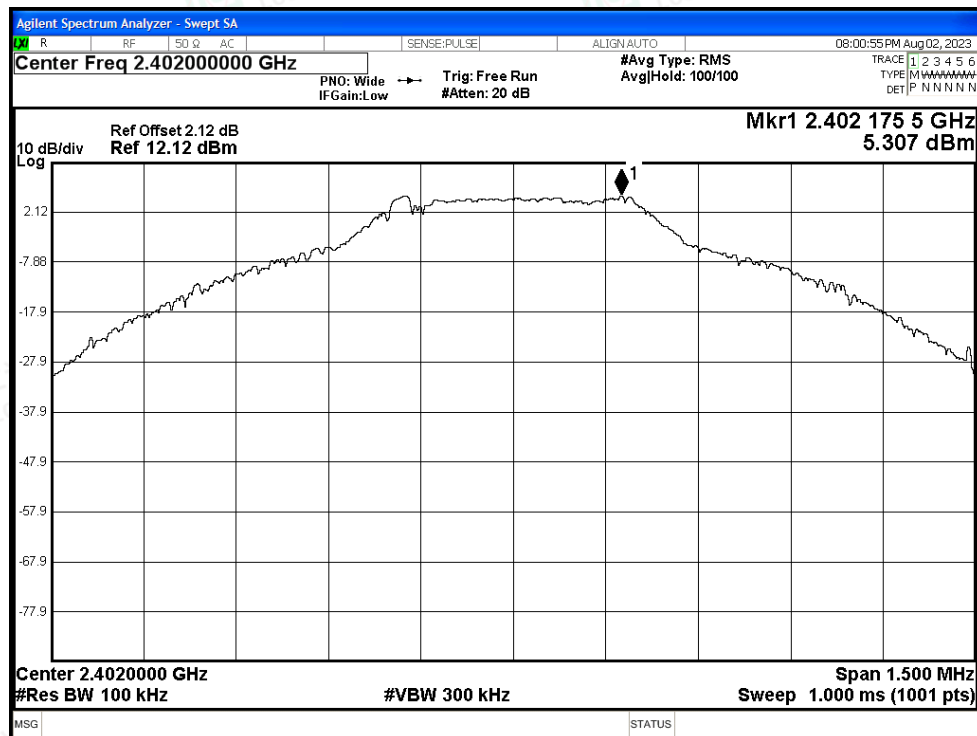
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-49.28	-20	Pass
NVNT	1-DH5	2441	Ant1	-42.22	-20	Pass
NVNT	1-DH5	2480	Ant1	-46.44	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.16	-20	Pass
NVNT	2-DH5	2441	Ant1	-59.25	-20	Pass
NVNT	2-DH5	2480	Ant1	-55.97	-20	Pass



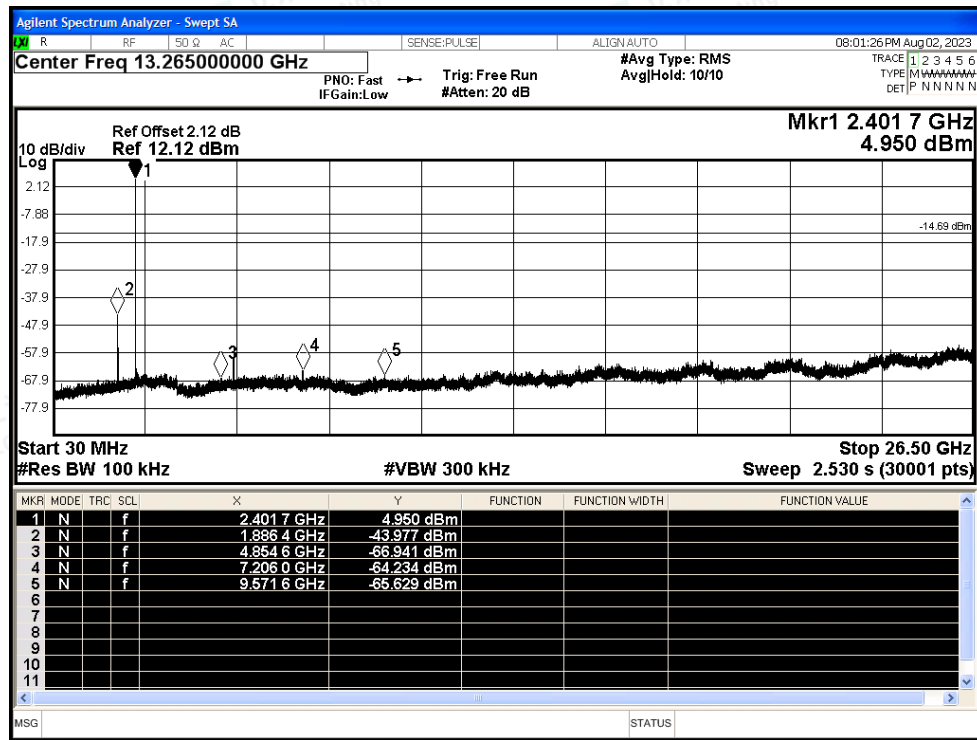


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

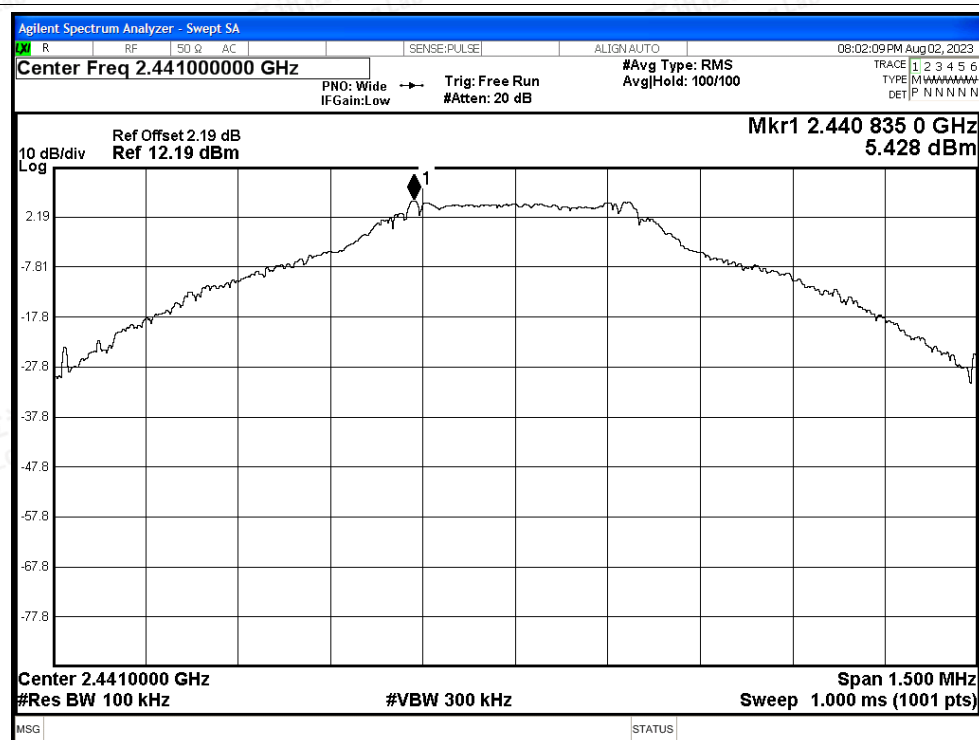


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

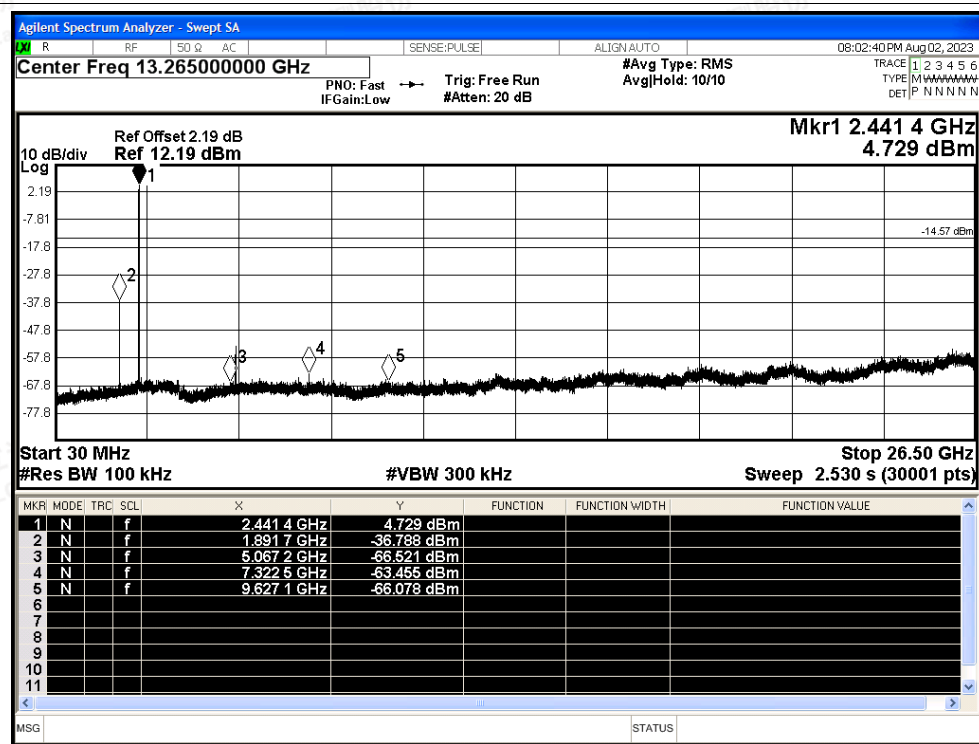




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

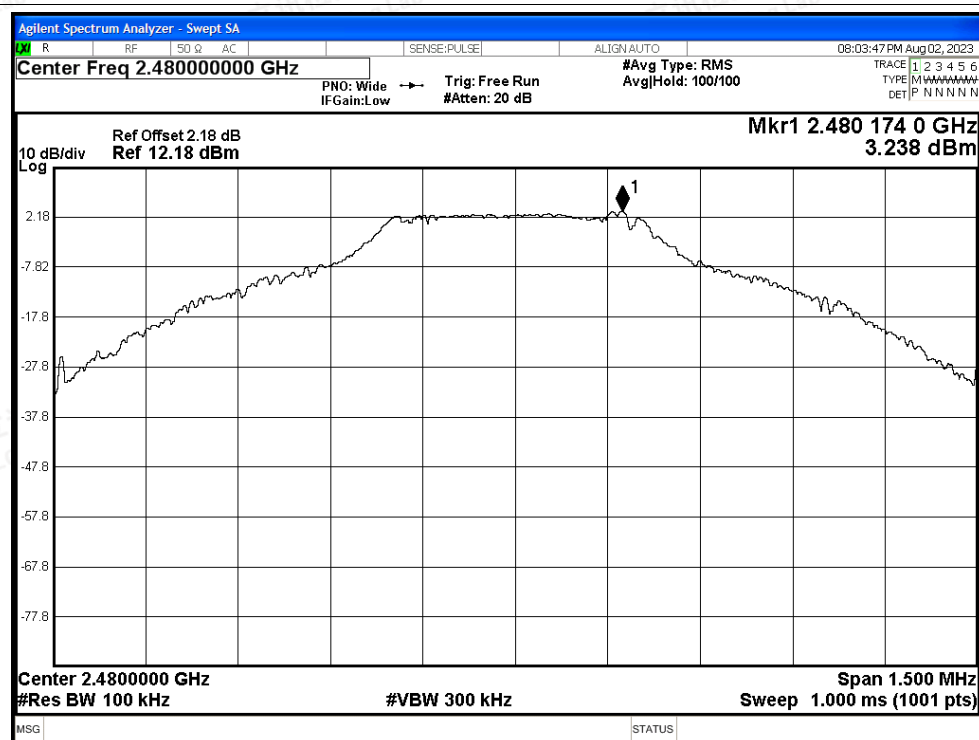


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.441 4 GHz	4.729 dBm			
2	N		f	1.891 7 GHz	-36.788 dBm			
3	N		f	5.067 2 GHz	-66.521 dBm			
4	N		f	7.322 5 GHz	-63.455 dBm			
5	N		f	9.627 1 GHz	-66.078 dBm			
6								
7								
8								
9								
10								
11								

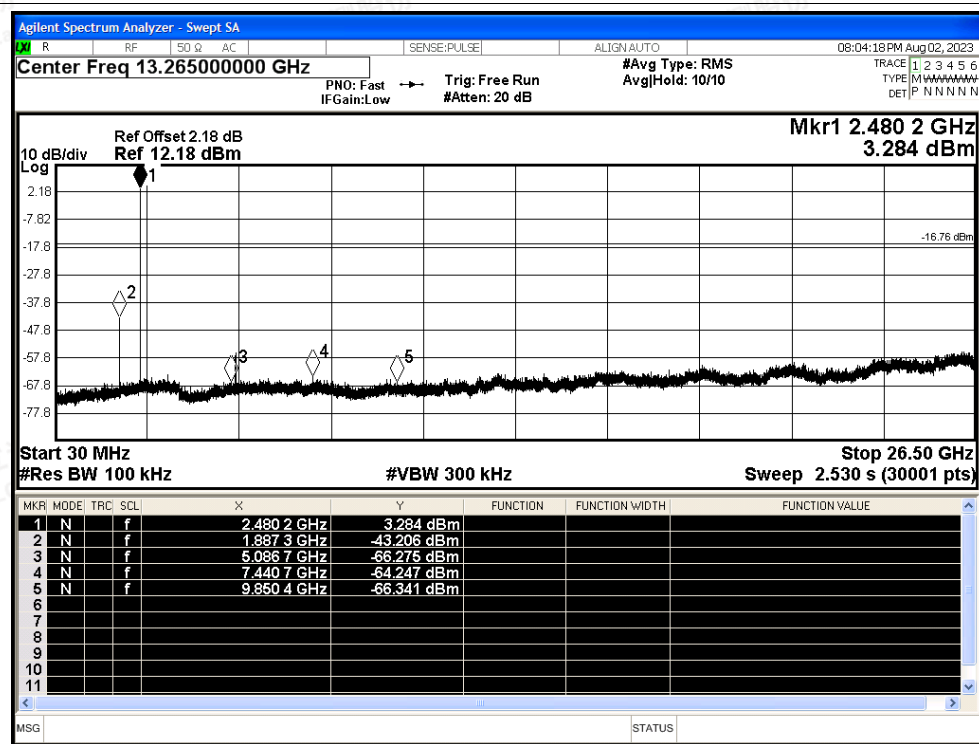




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

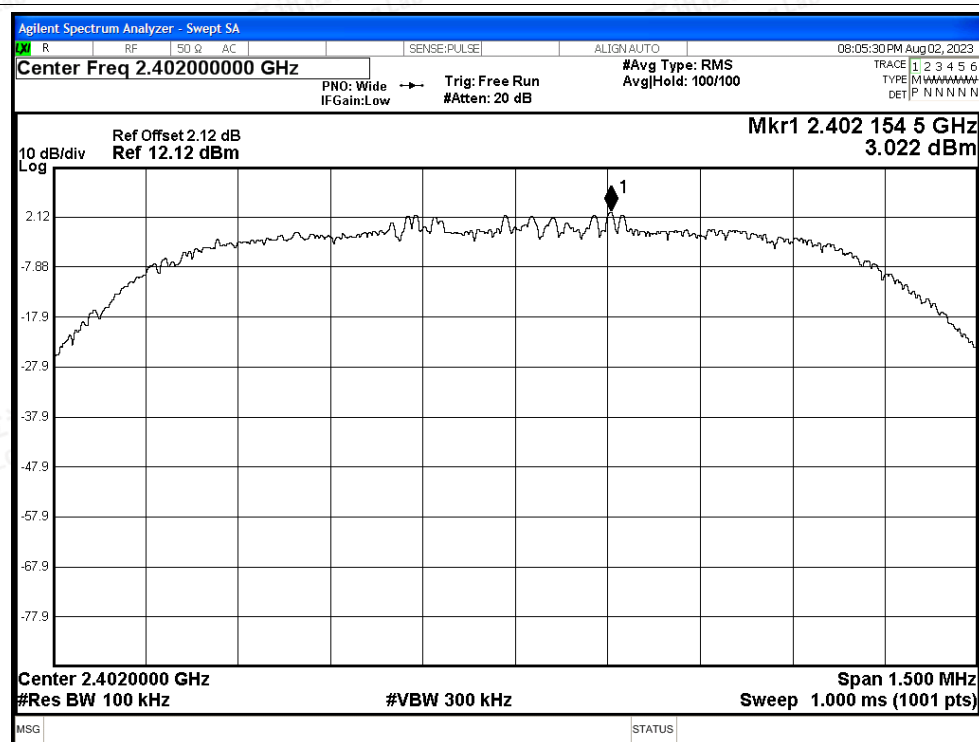


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

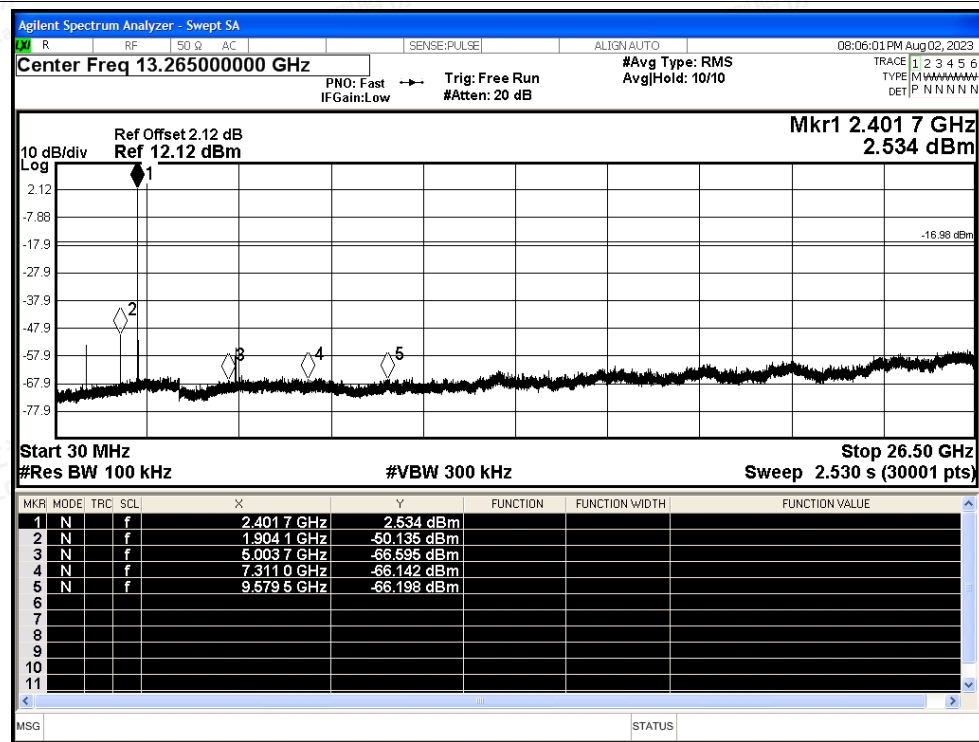




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

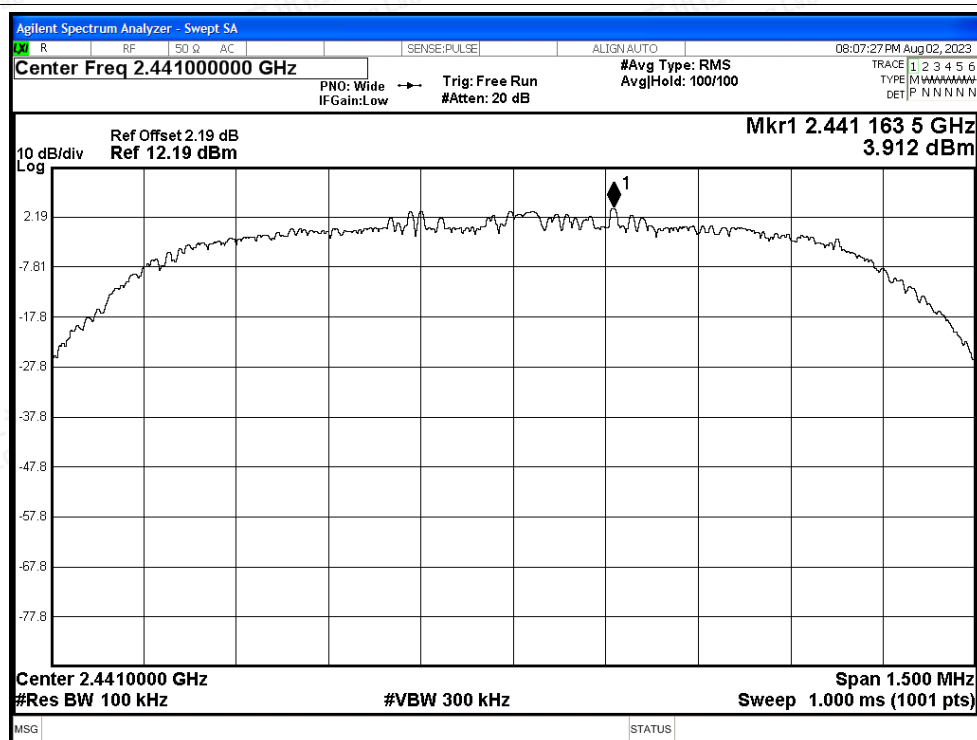


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

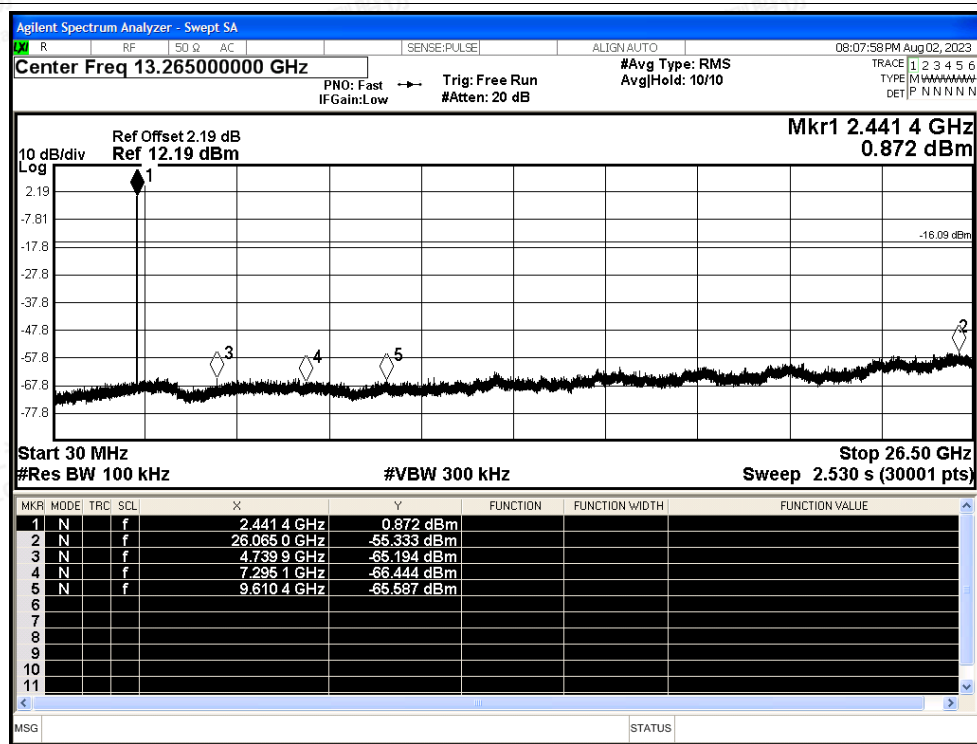




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

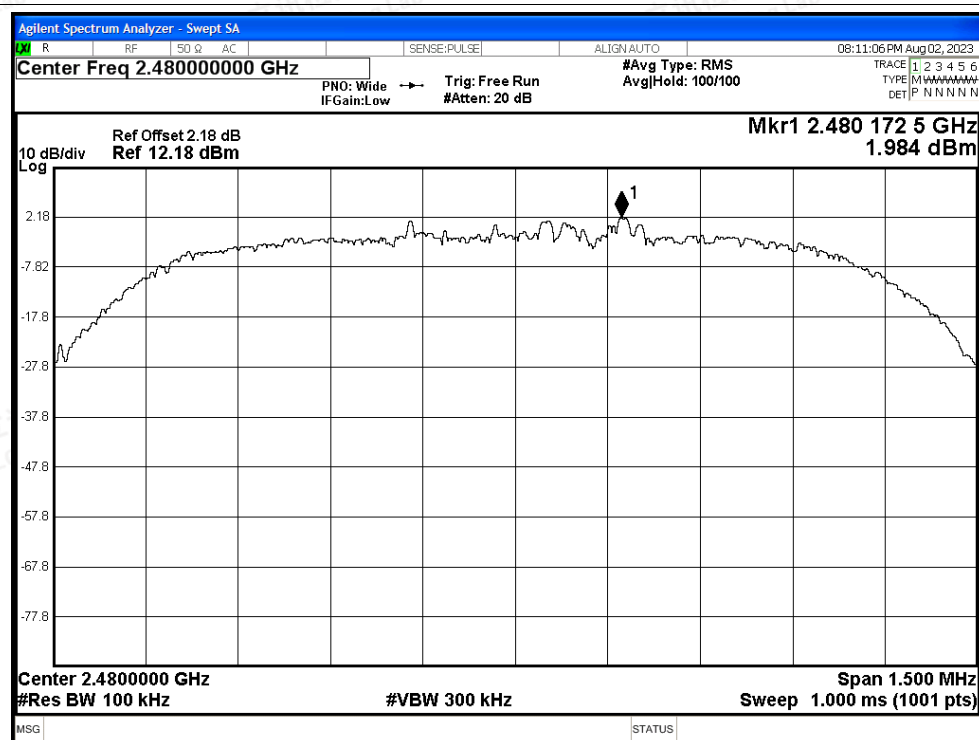


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

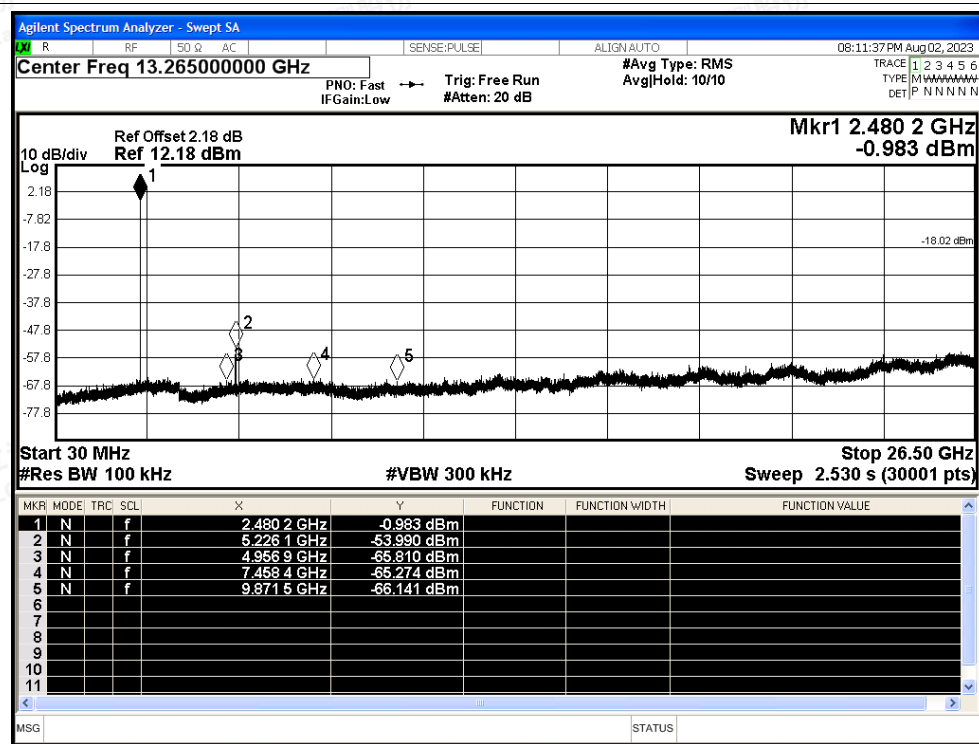




Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



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	-48.92	2	48.34	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.01	2	39.25	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2346.096	-47.49	2	49.77	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.776	-57.58	2	39.68	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.2	2	46.06	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.74	2	39.52	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.49	2	47.77	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-54.05	2	43.21	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.088	-46.58	2	50.68	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-54.05	2	43.21	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.24	2	47.02	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.4	2	39.86	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.66	2	45.6	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.91	2	39.35	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2361.072	-47.95	2	49.31	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2388.528	-57.4	2	39.86	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-48.48	2	48.78	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.73	2	39.53	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.62	2	48.64	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-52.76	2	44.5	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.8	-45.47	2	51.79	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-52.76	2	44.5	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.78	2	48.48	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.46	2	39.8	Average	54	Pass

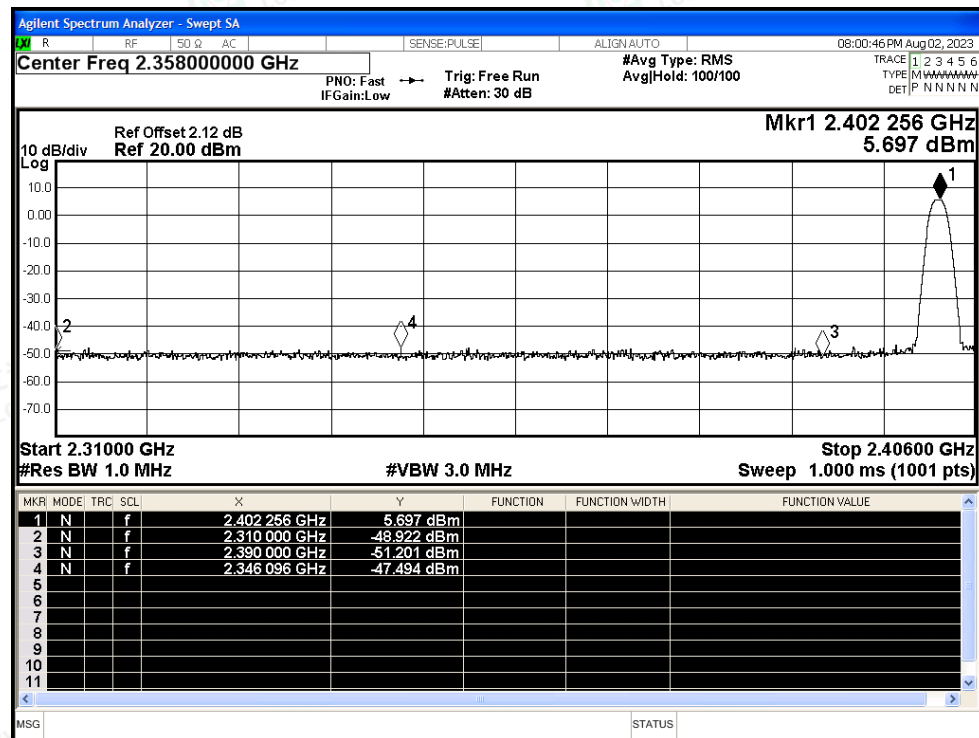


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

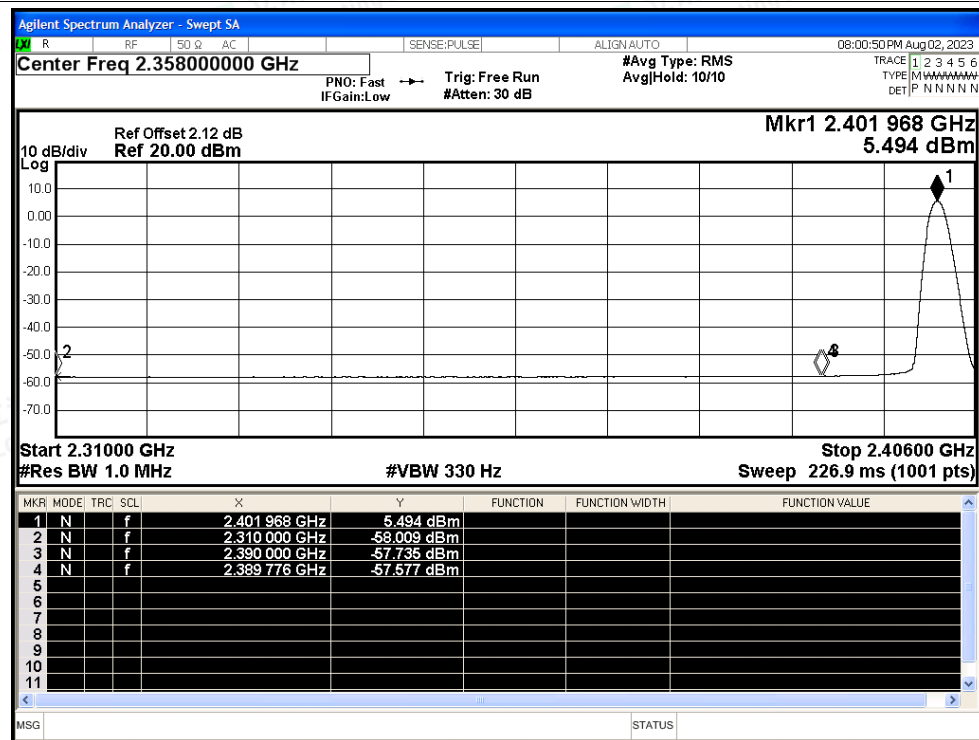


Test Graphs

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

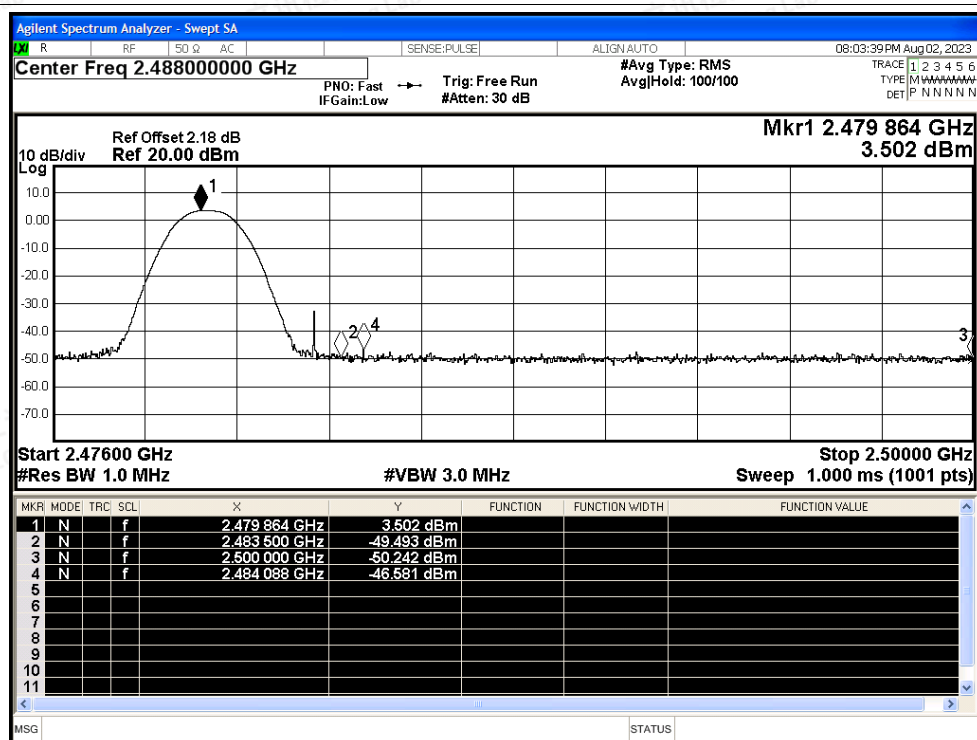


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

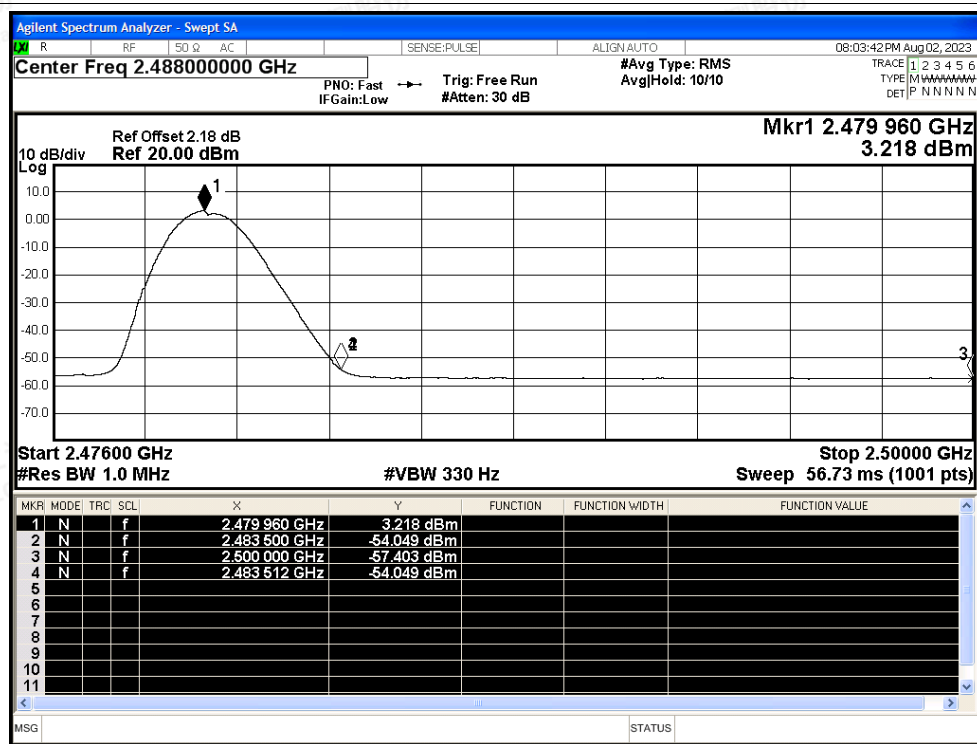




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

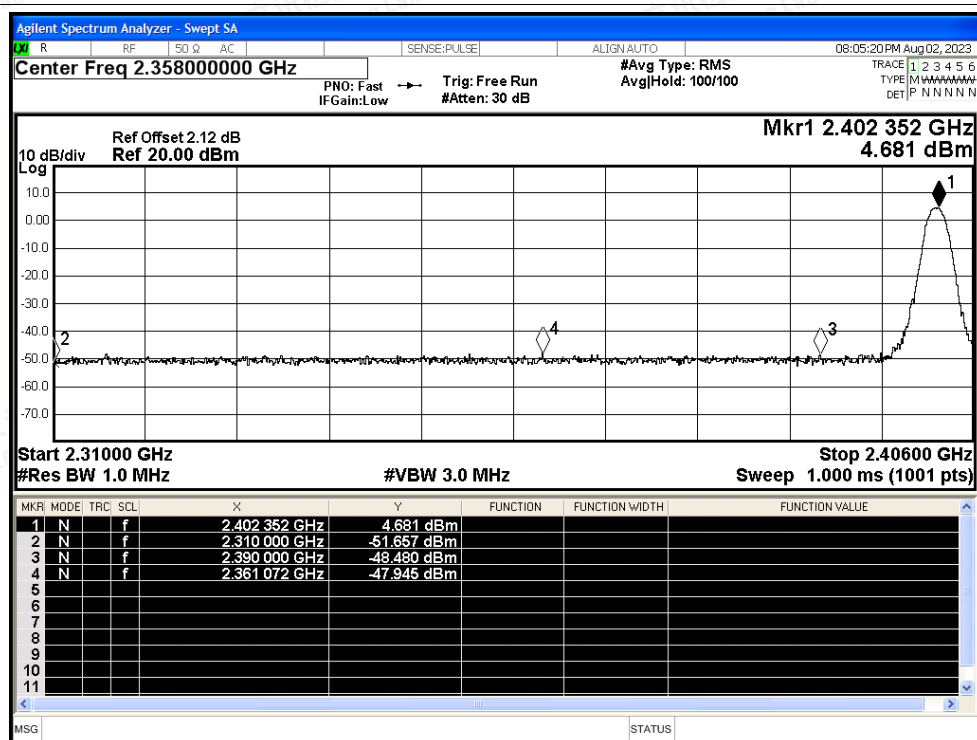


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

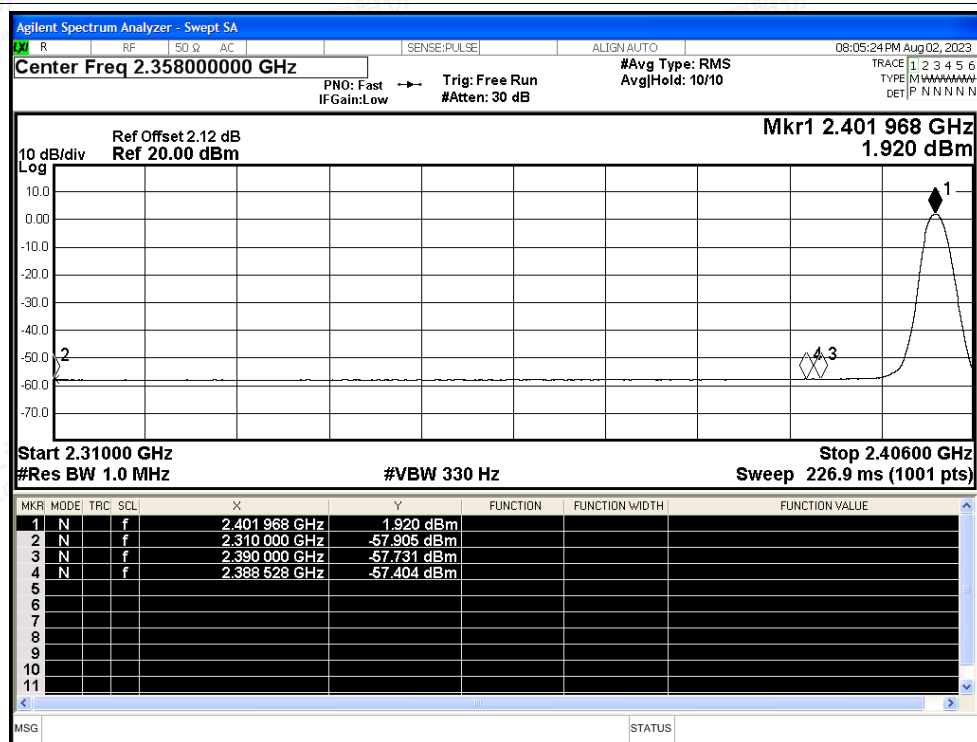




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

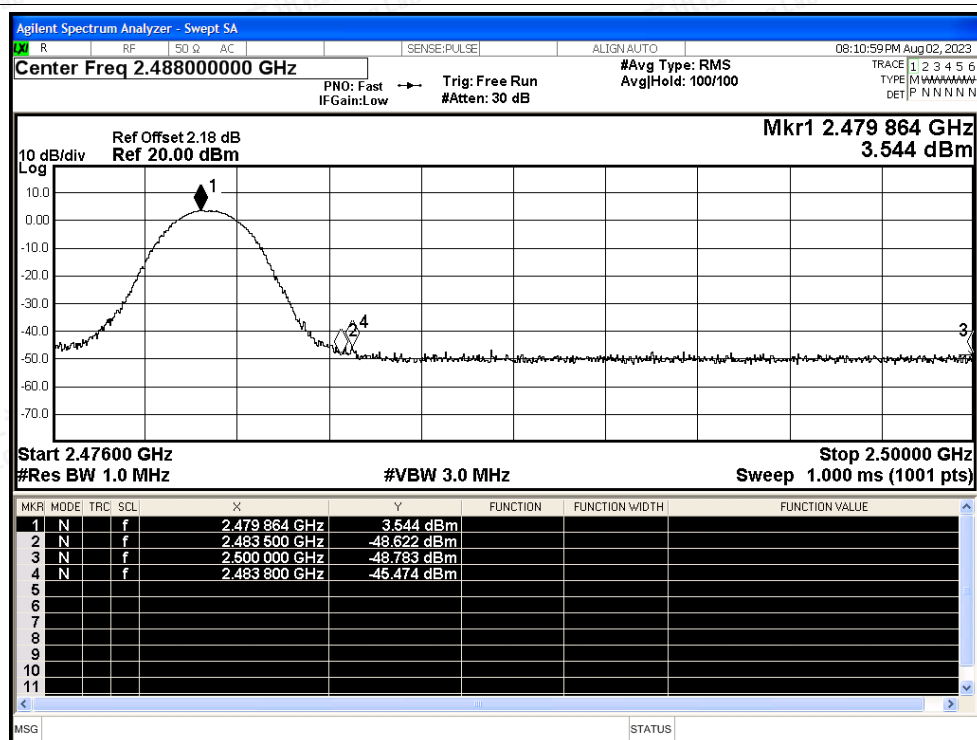


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average





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



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

