



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: BLUETOOTH PARTY SYSTEM

Test Model: GPLT-360

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Bill Zhu
Supervised by:	 Li Huan



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A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.935	0	Pass
NVNT	1-DH5	2441	Ant1	0.944	0	Pass
NVNT	1-DH5	2480	Ant1	0.937	0	Pass
NVNT	2-DH5	2402	Ant1	1.297	0	Pass
NVNT	2-DH5	2441	Ant1	1.32	0	Pass
NVNT	2-DH5	2480	Ant1	1.316	0	Pass



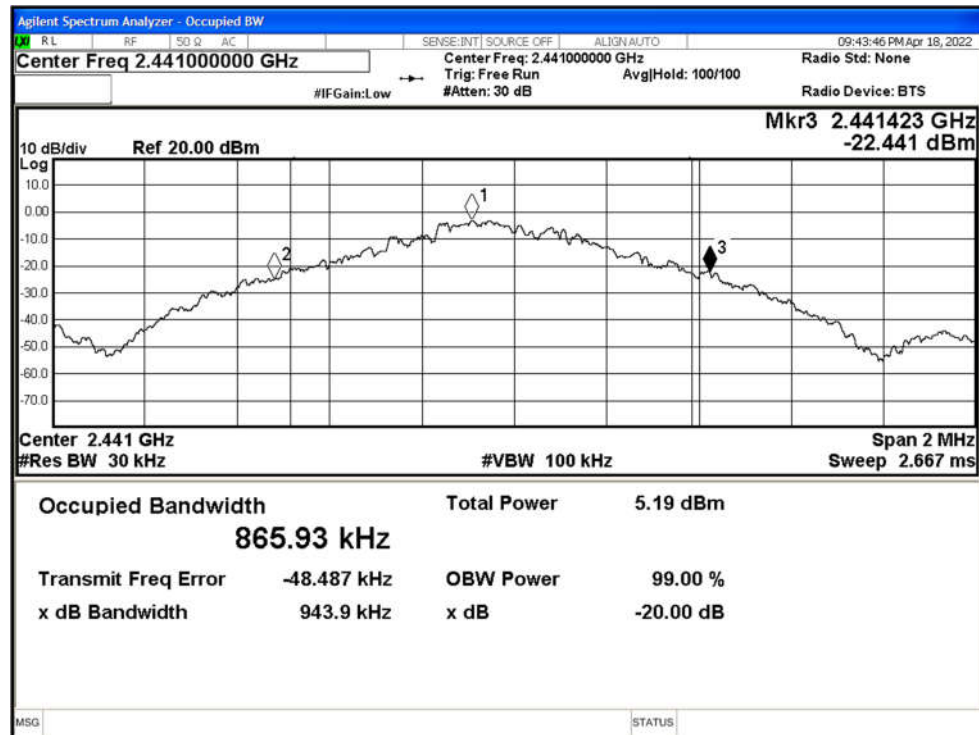


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

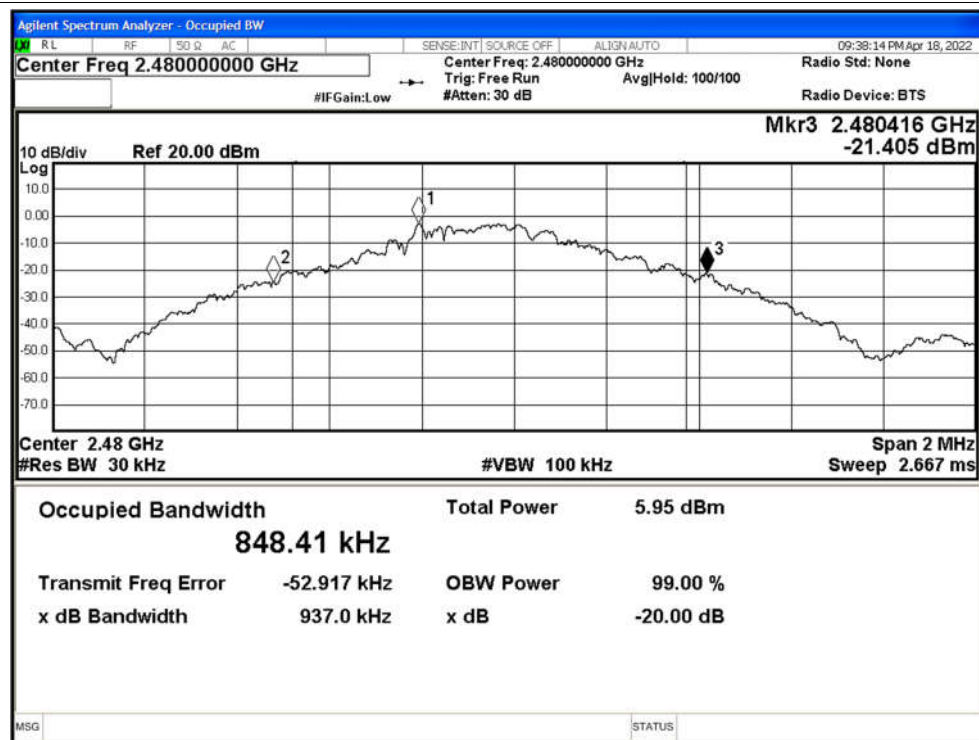


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

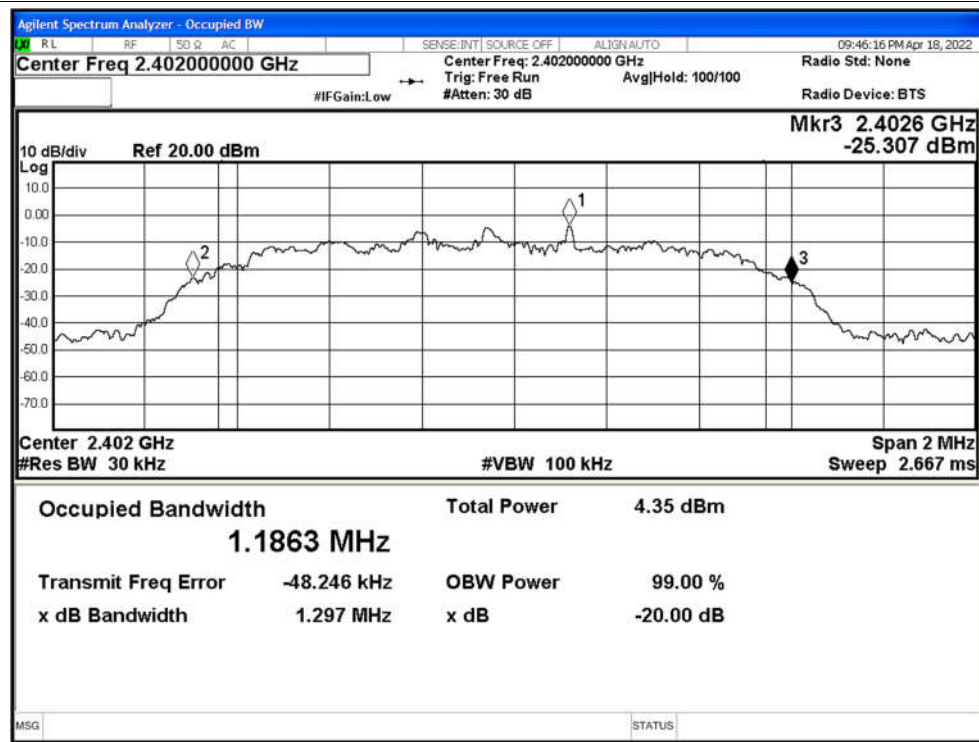




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

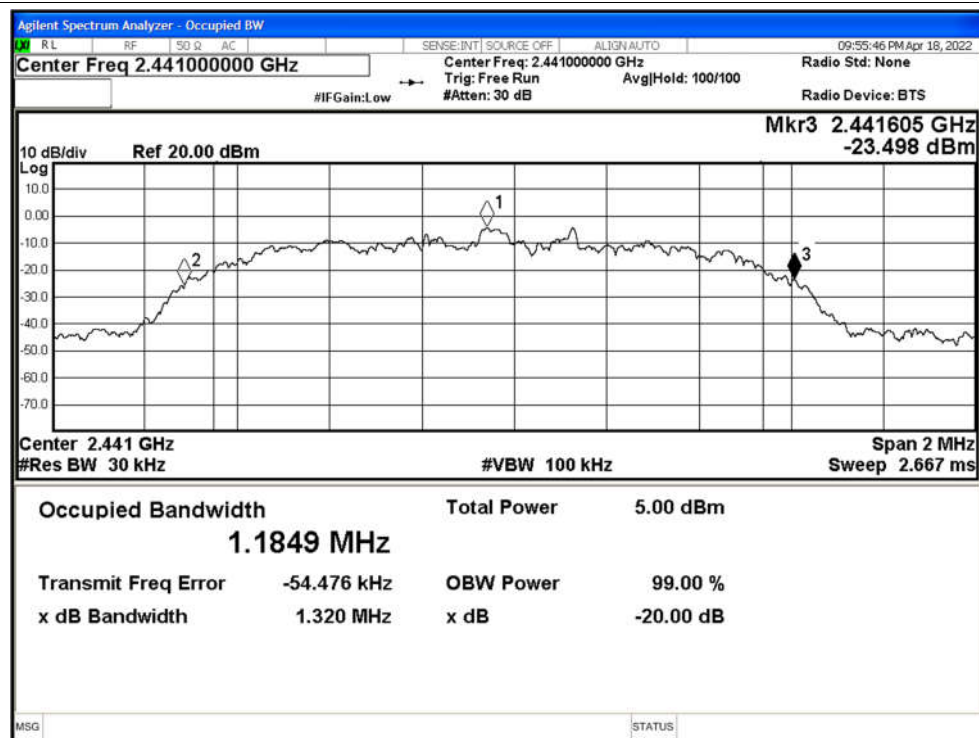


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

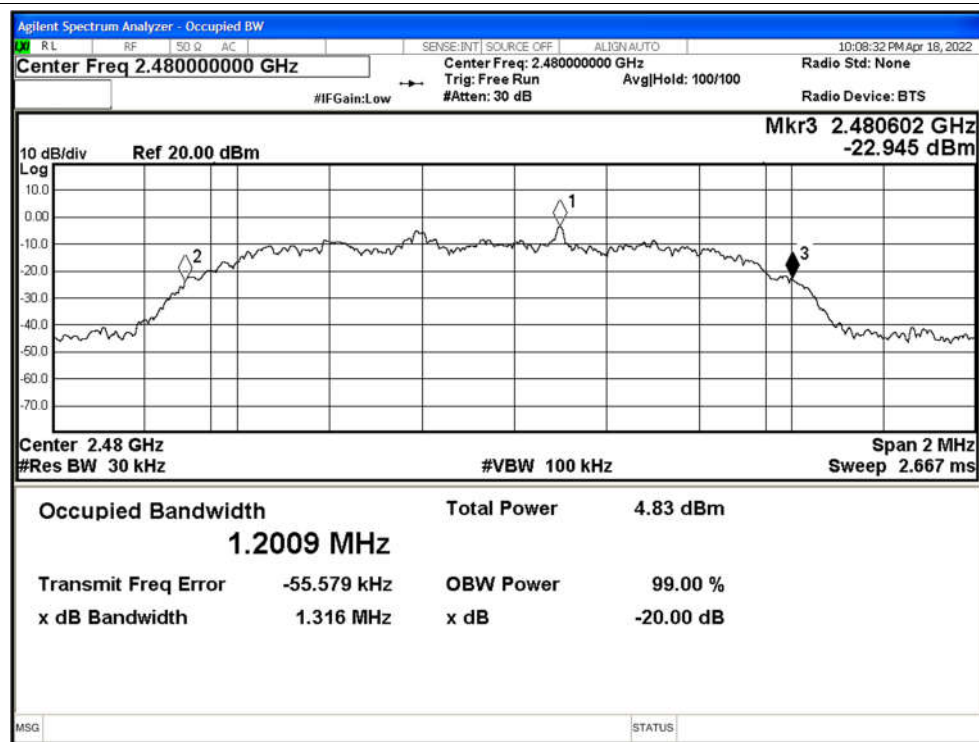




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





A.2 Maximum Peak Conducted Output Power

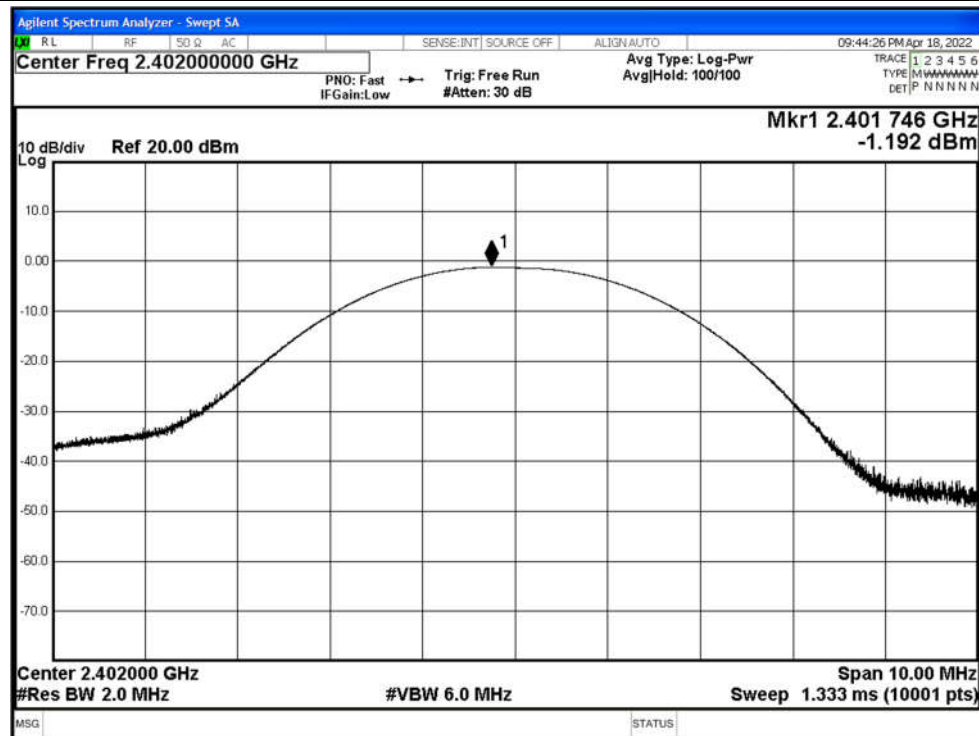
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.19	0	-1.19	21	Pass
NVNT	1-DH5	2441	Ant1	-0.54	0	-0.54	21	Pass
NVNT	1-DH5	2480	Ant1	-0.2	0	-0.2	21	Pass
NVNT	2-DH5	2402	Ant1	-0.45	0	-0.45	21	Pass
NVNT	2-DH5	2441	Ant1	0.16	0	0.16	21	Pass
NVNT	2-DH5	2480	Ant1	0.55	0	0.55	21	Pass



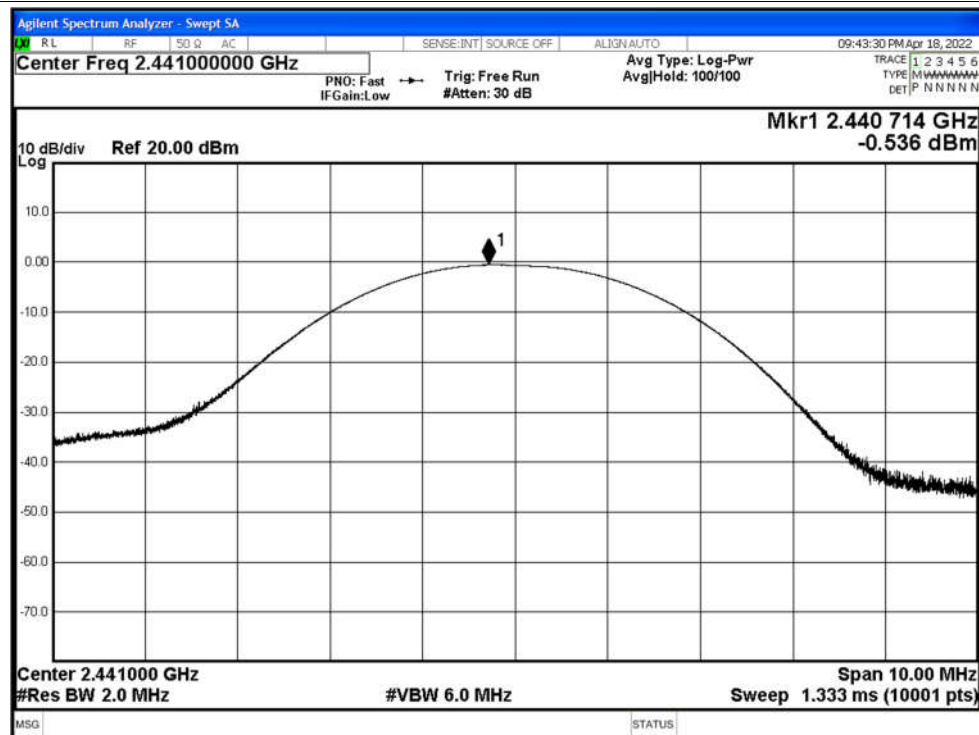


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

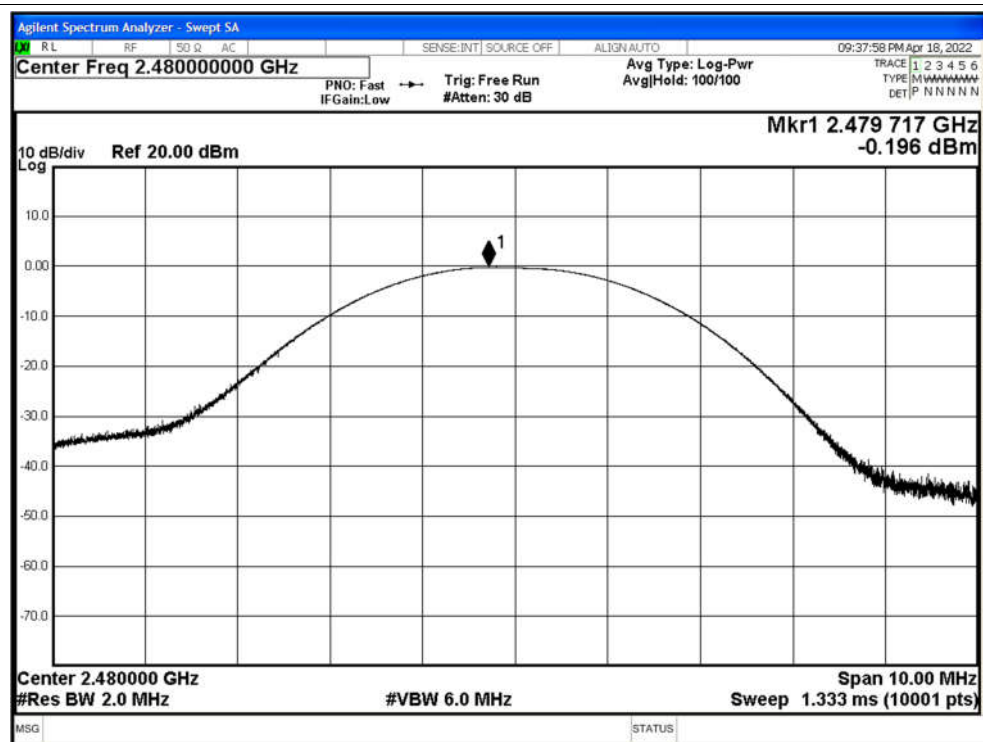


Power NVNT 1-DH5 2441MHz Ant1

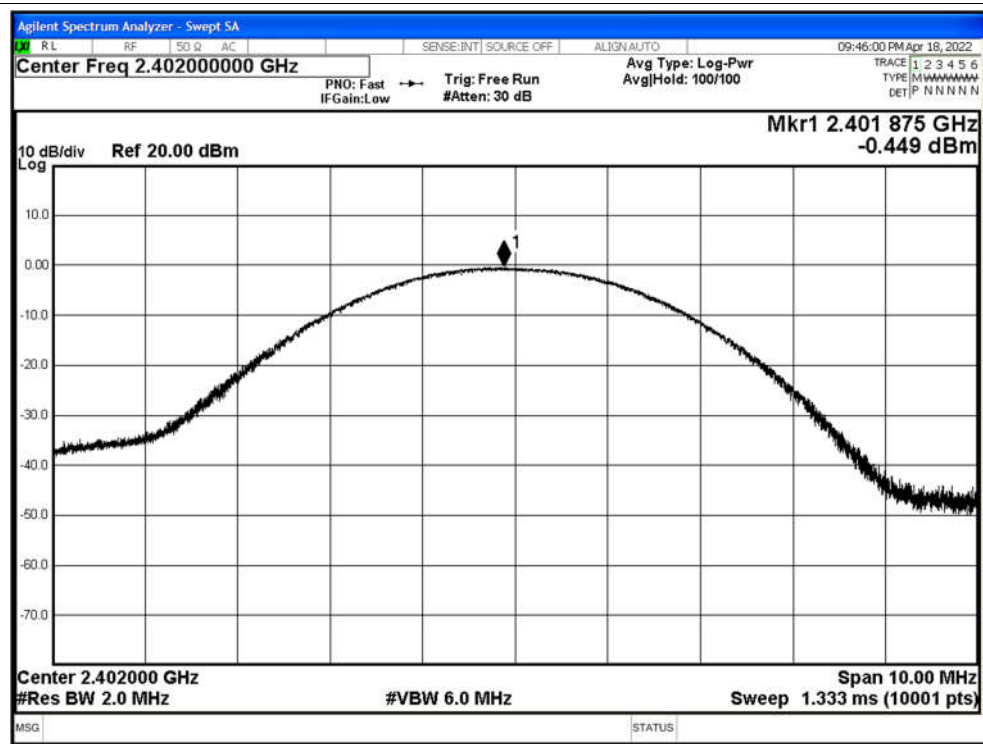




Power NVNT 1-DH5 2480MHz Ant1

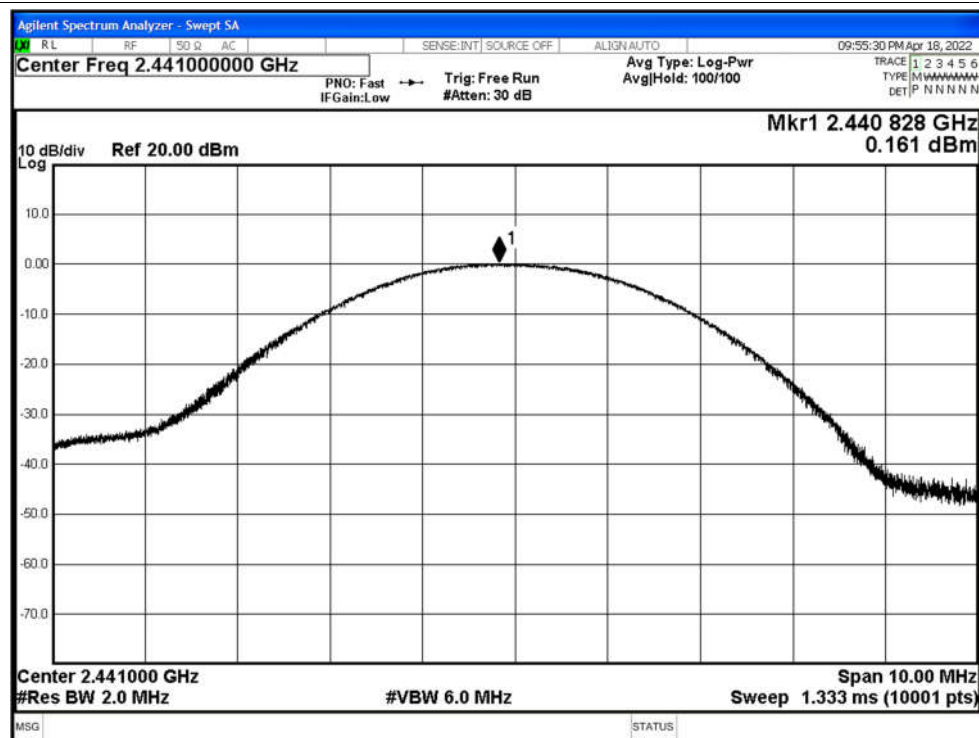


Power NVNT 2-DH5 2402MHz Ant1

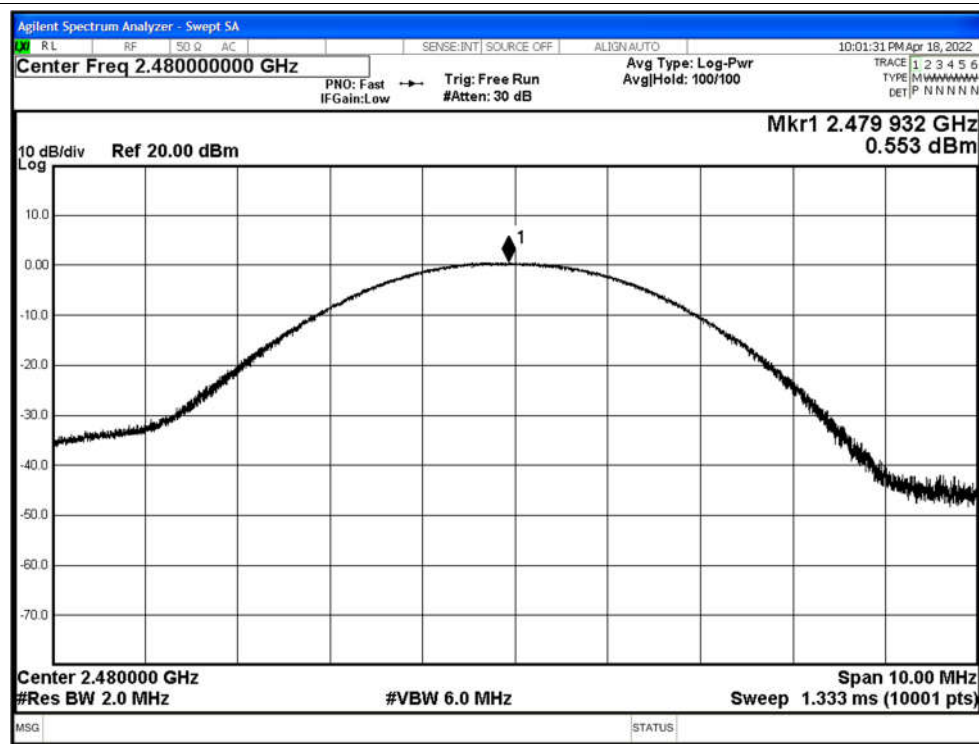




Power NVNT 2-DH5 2441MHz Ant1



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	2401.948	2402.932	0.984	0.631	Pass
NVNT	2-DH5	Ant1	2402.114	2403.11	0.996	0.865	Pass



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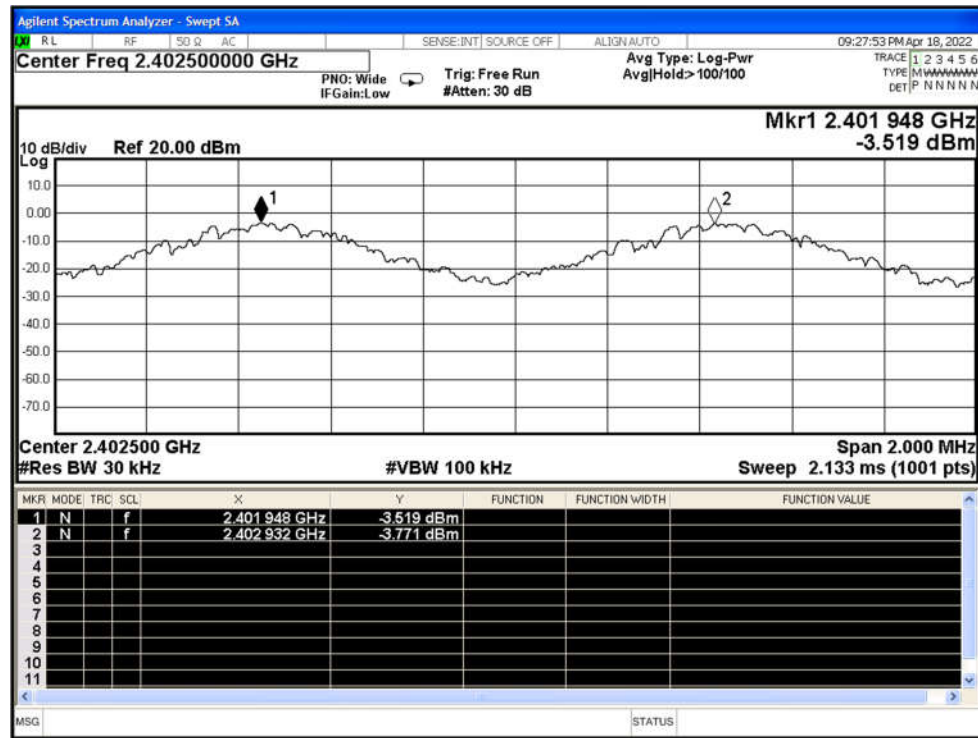
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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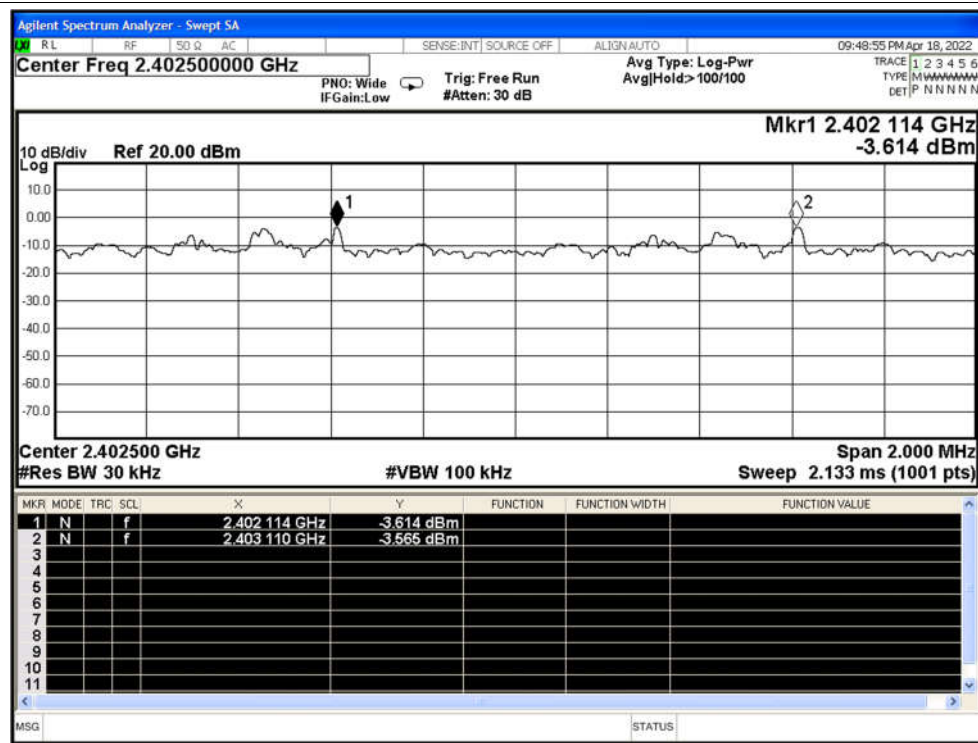
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Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



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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	2.88	181.44	63	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.881	195.908	68	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.879	175.619	61	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.887	337.779	117	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.881	351.482	122	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.885	121.17	42	31600	400	Pass



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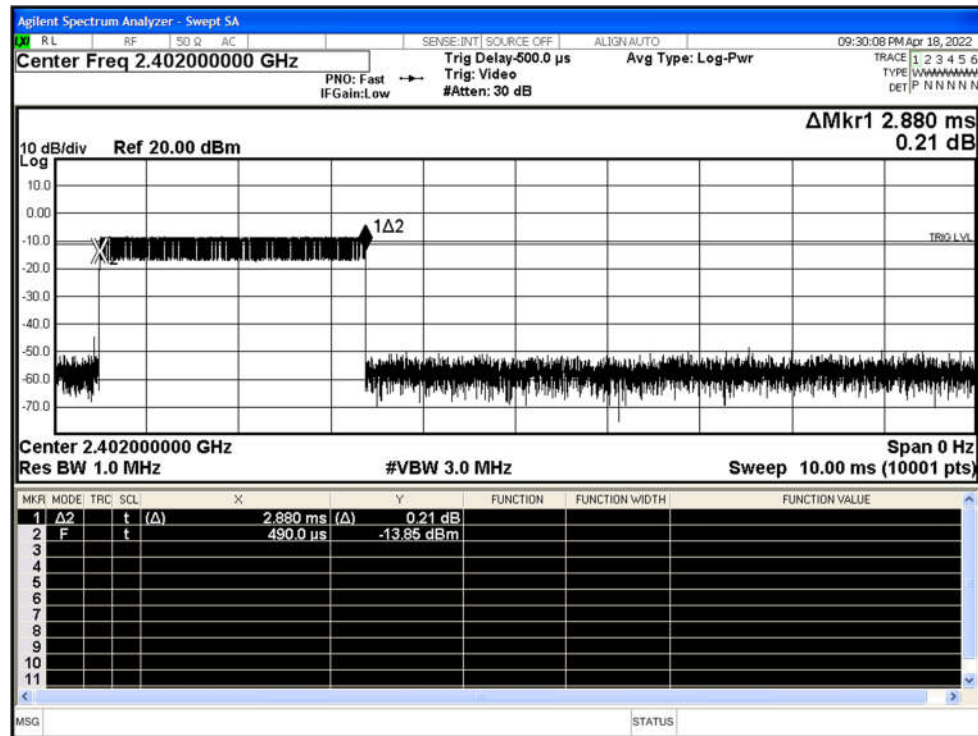
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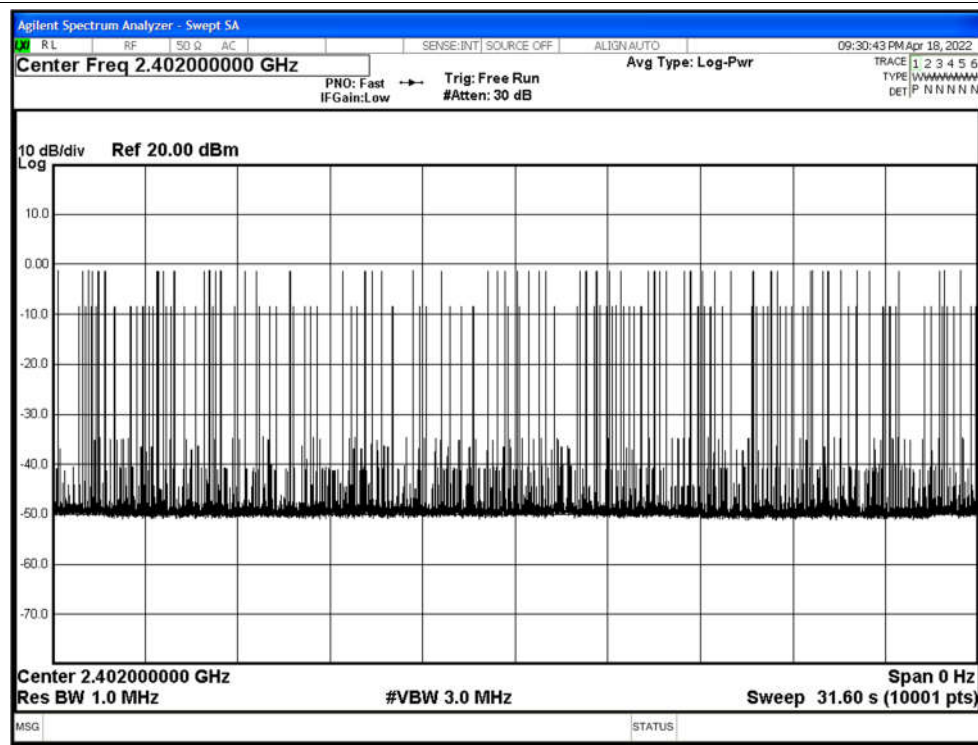
Scan code to check authenticity

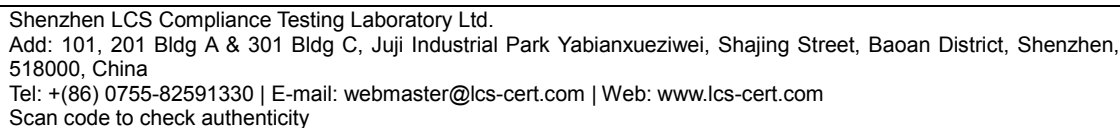
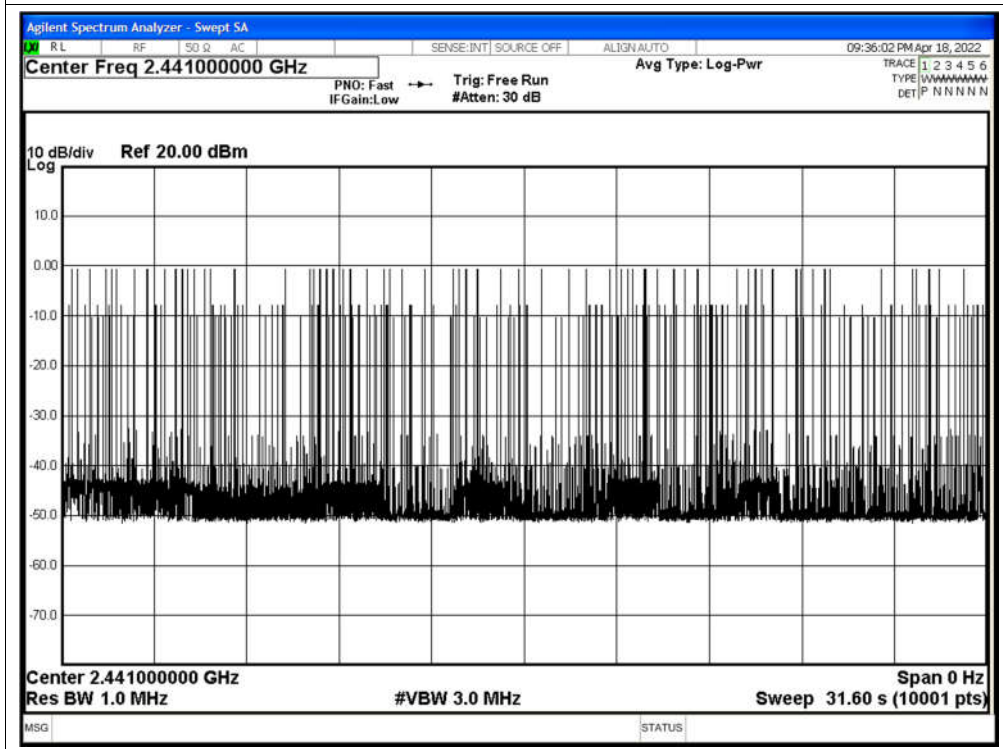
Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

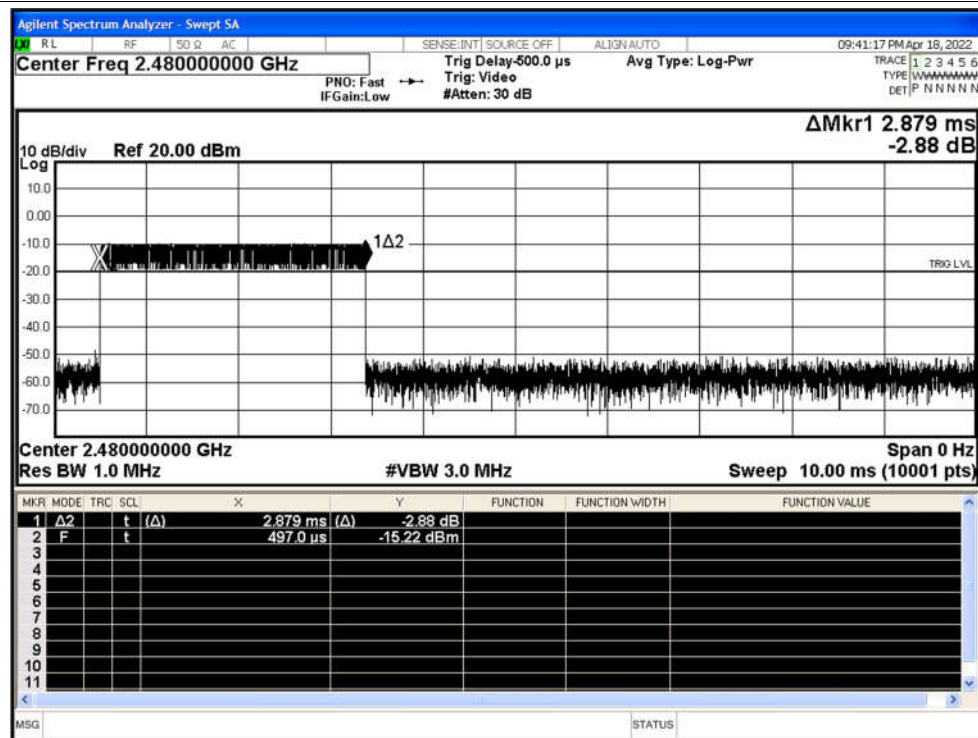


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

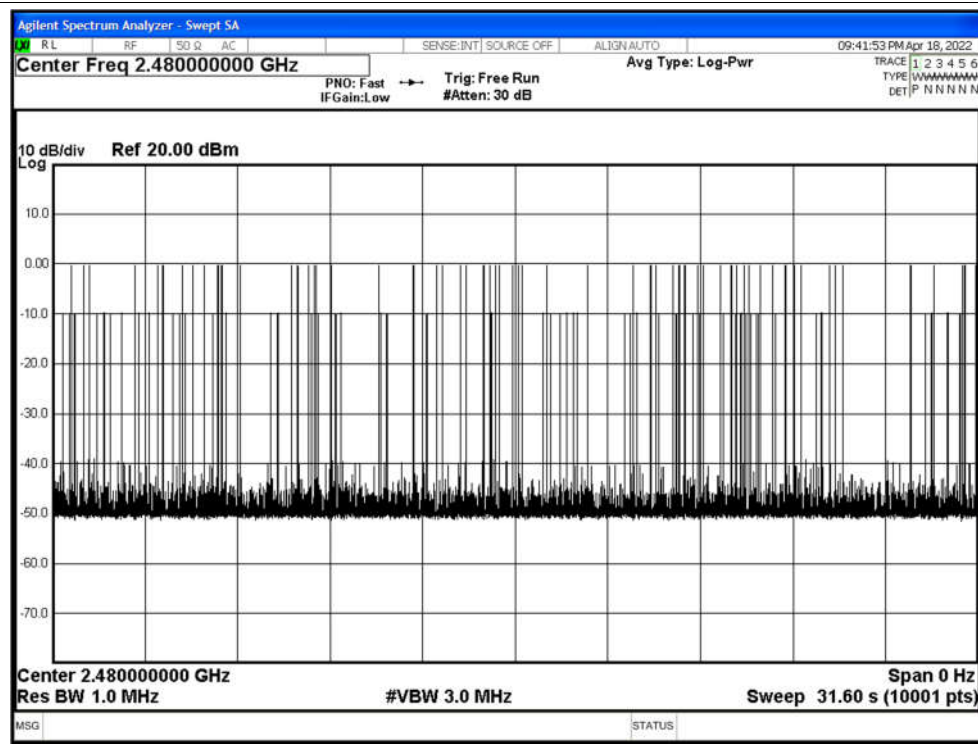




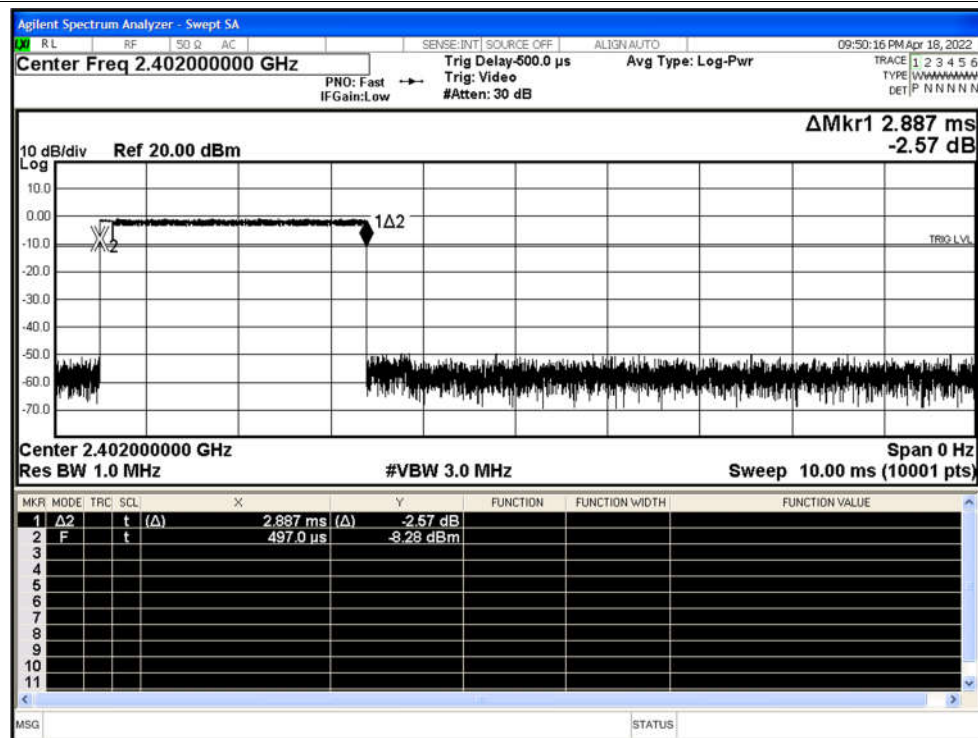
Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



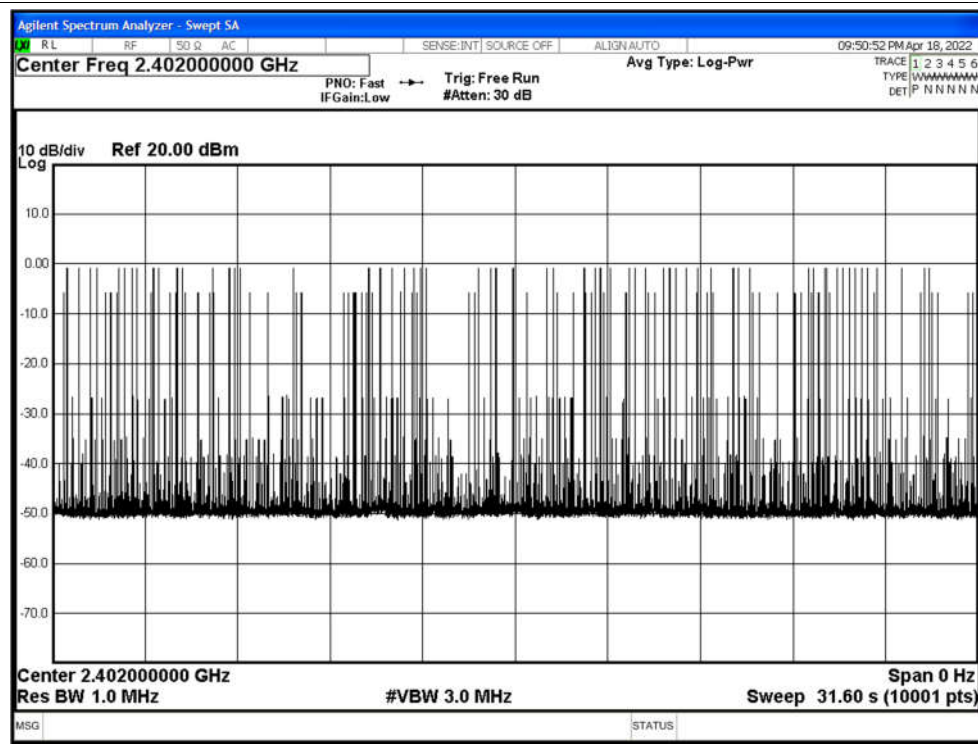
Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



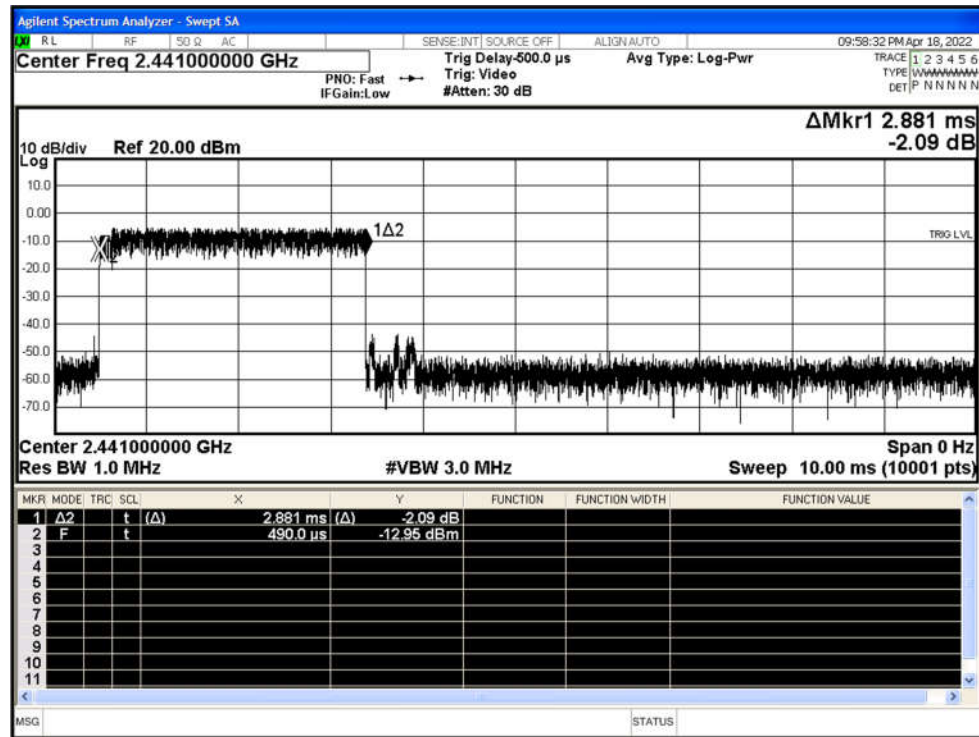
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



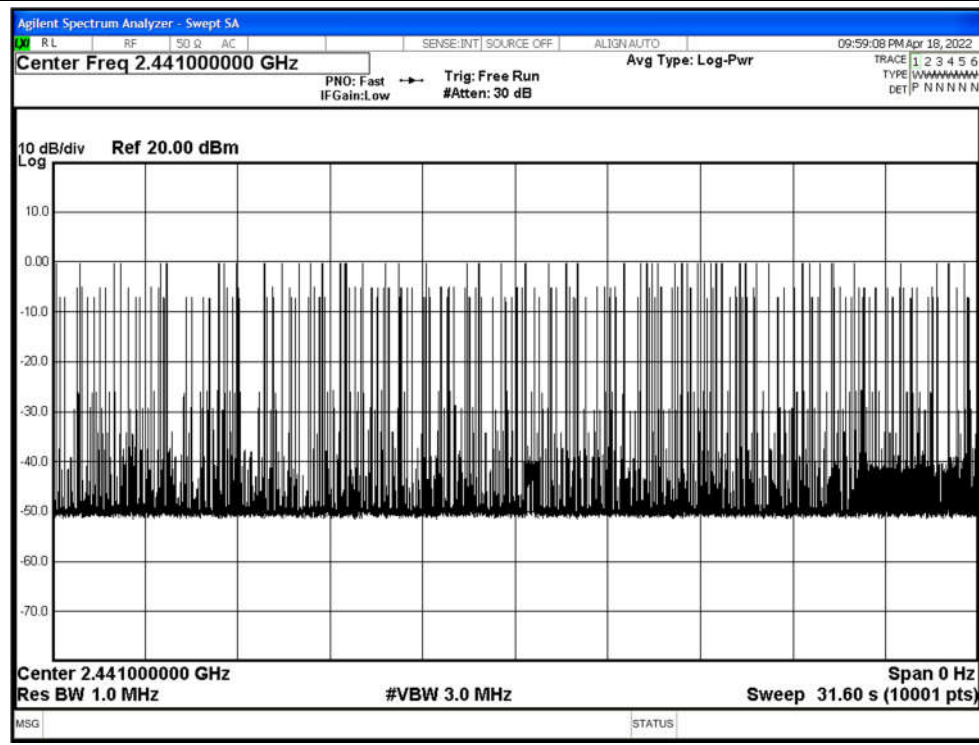
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



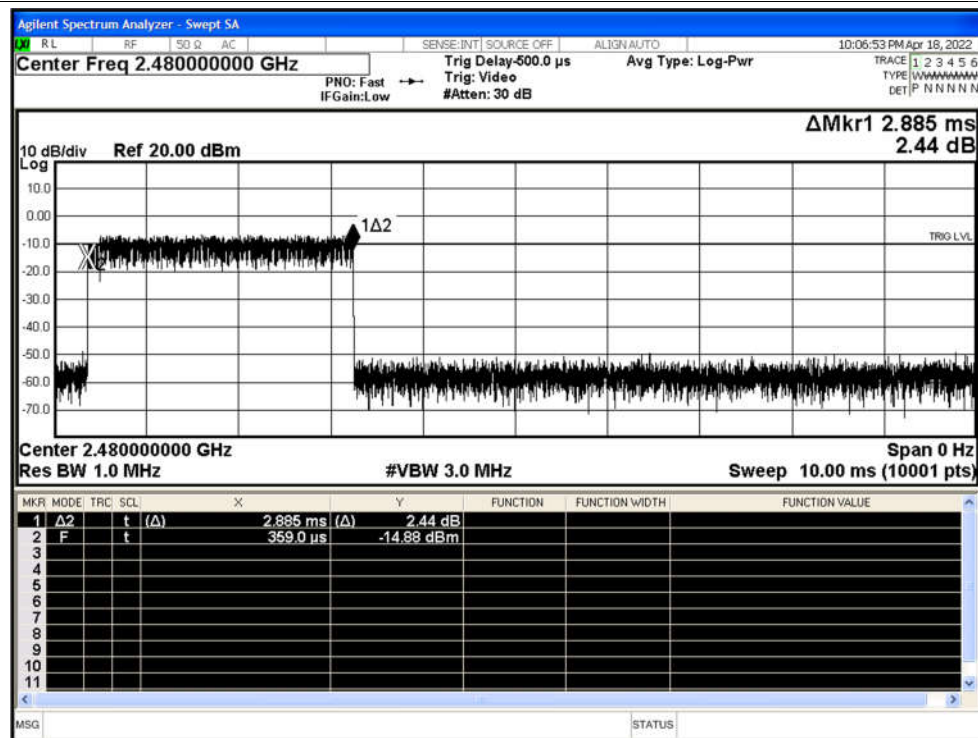
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



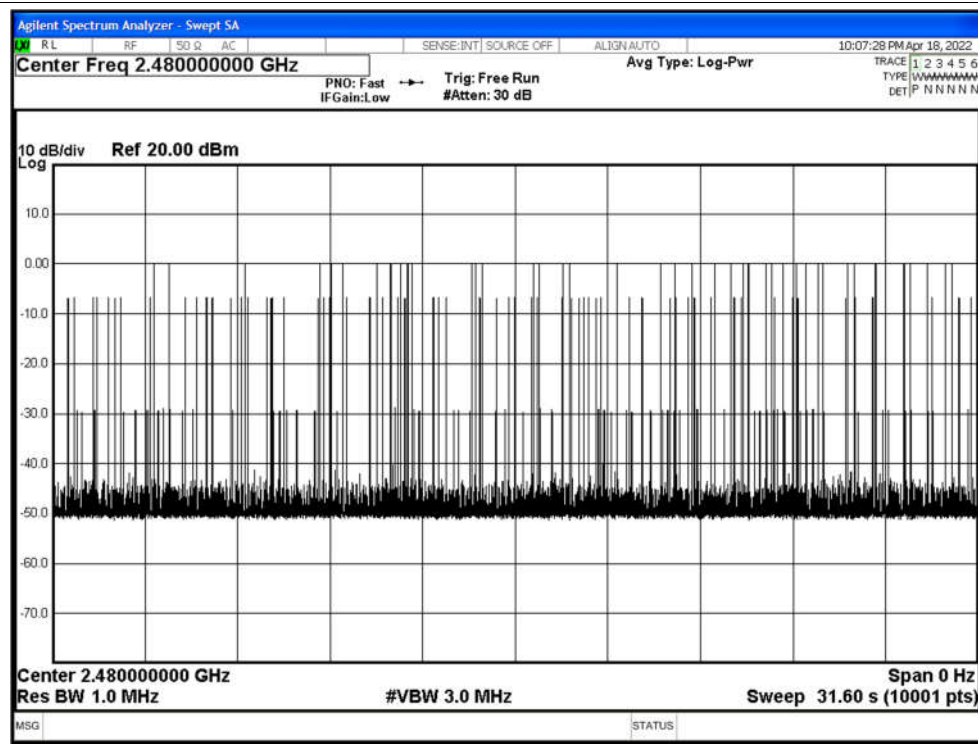
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated





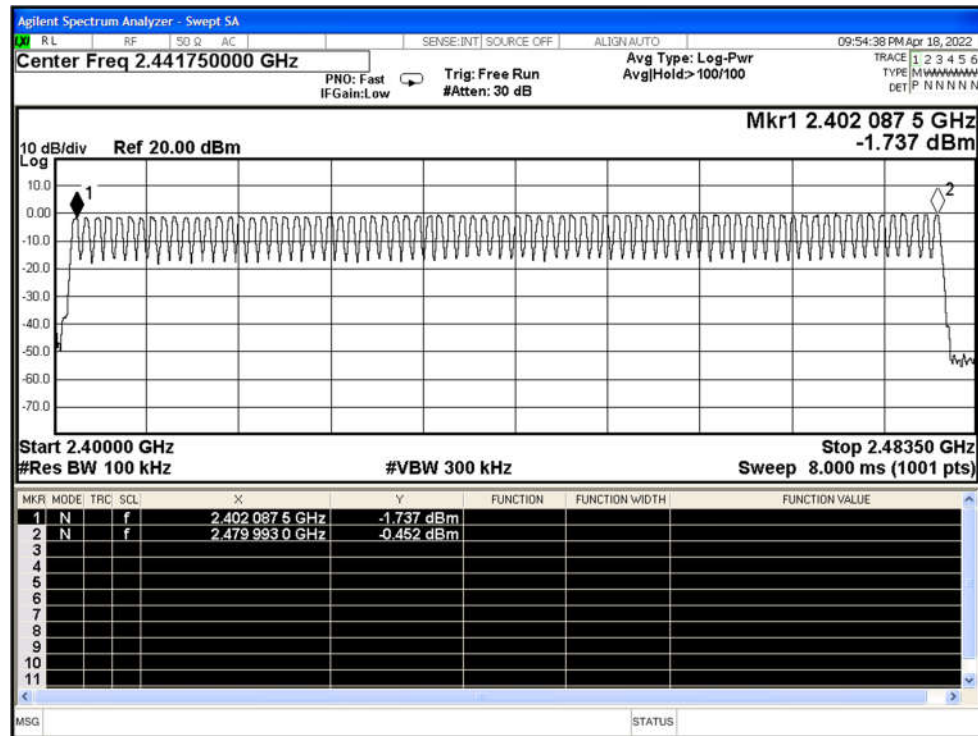
A.5 Number of Hopping Channel

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

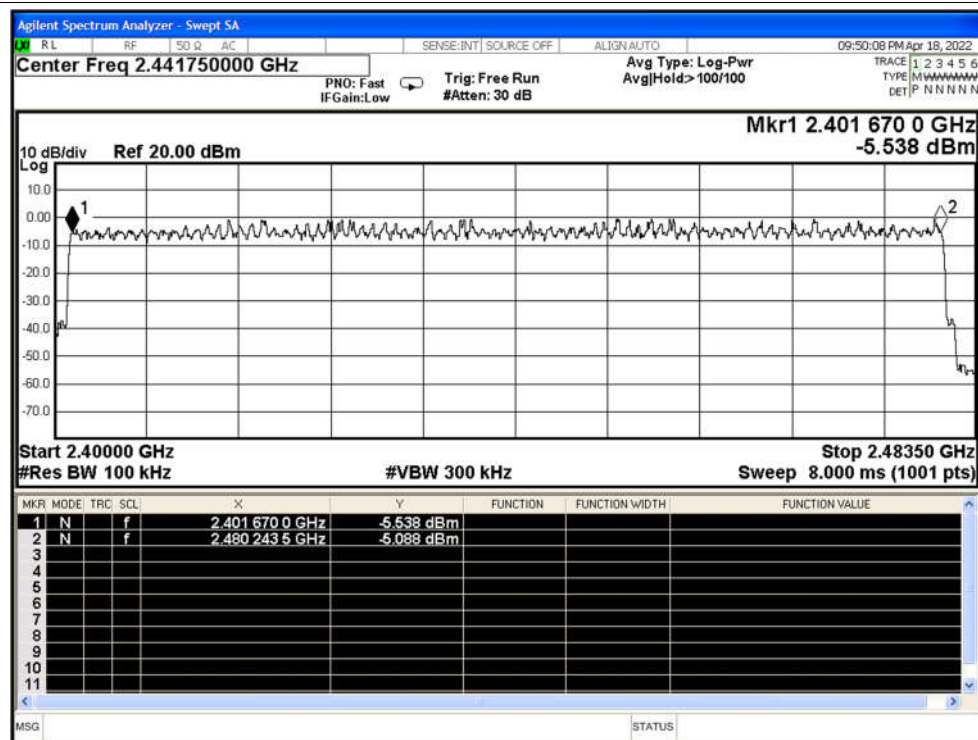


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-35.84	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-49.76	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-36.44	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-48.73	-20	Pass



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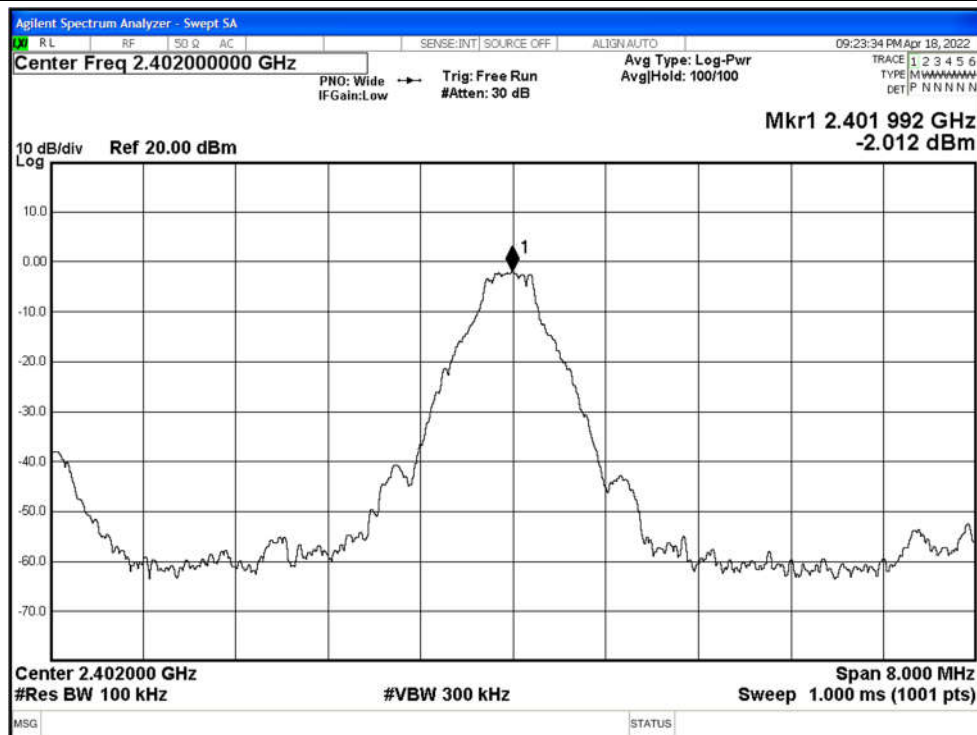
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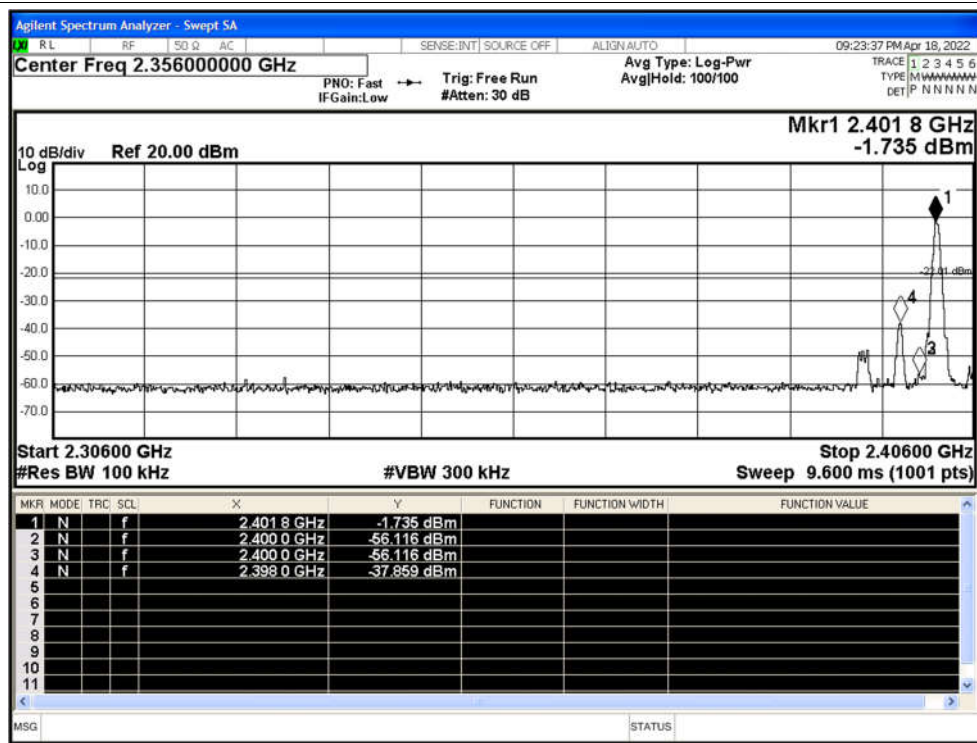
Scan code to check authenticity

Test Graphs

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



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

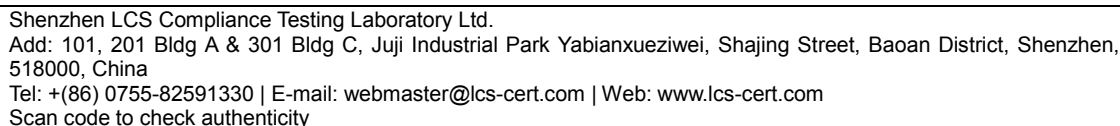
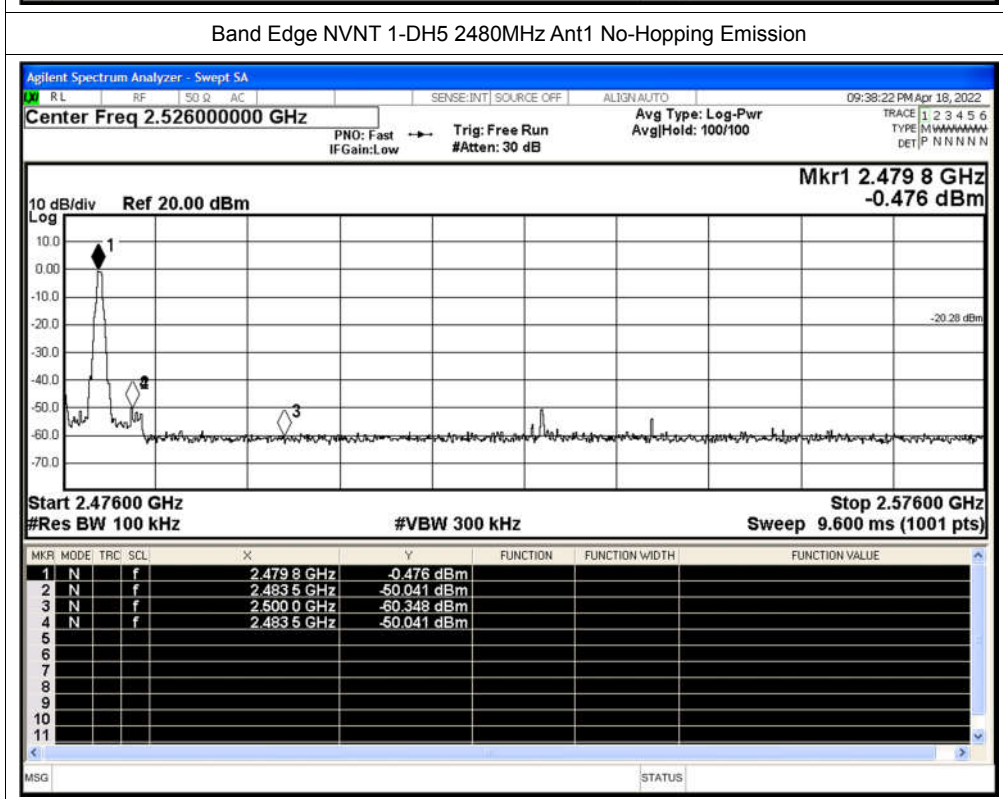


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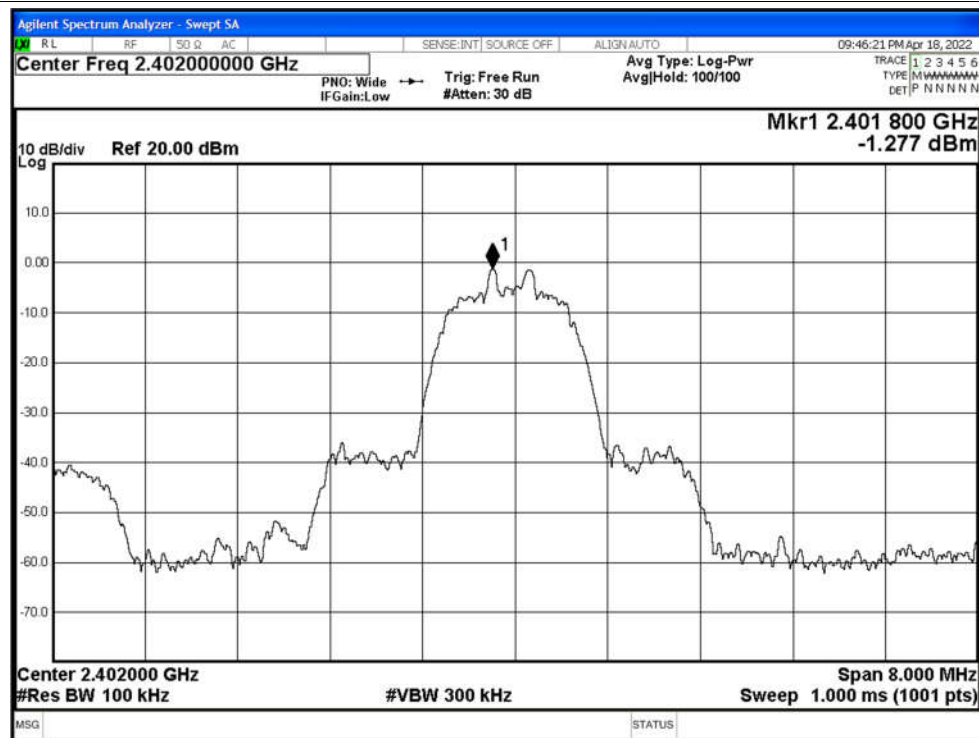
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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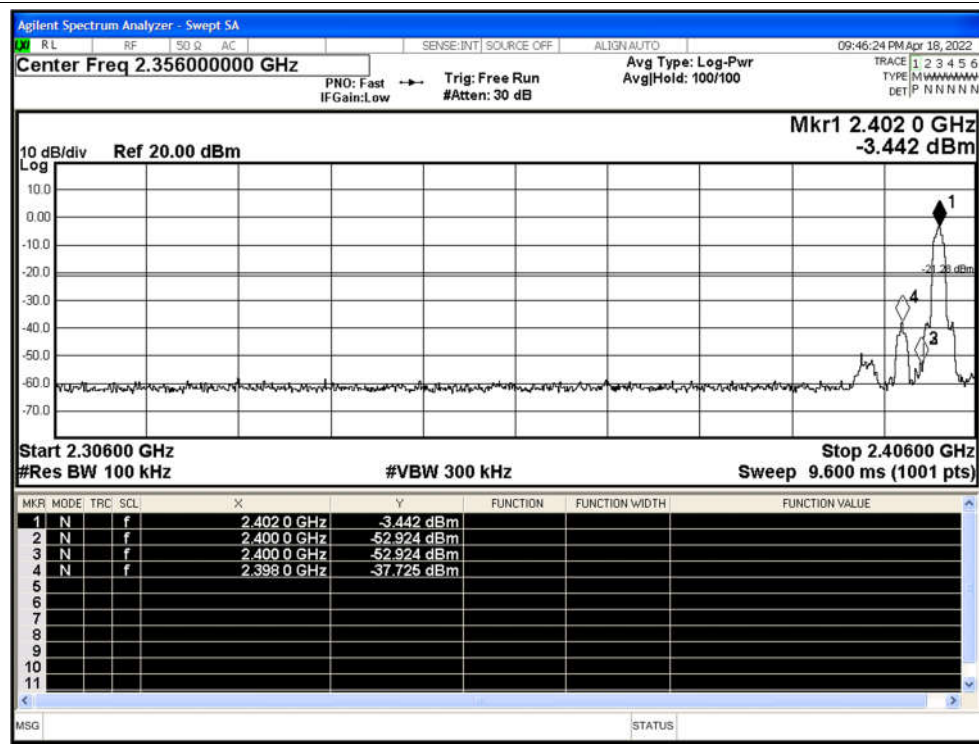
Scan code to check authenticity



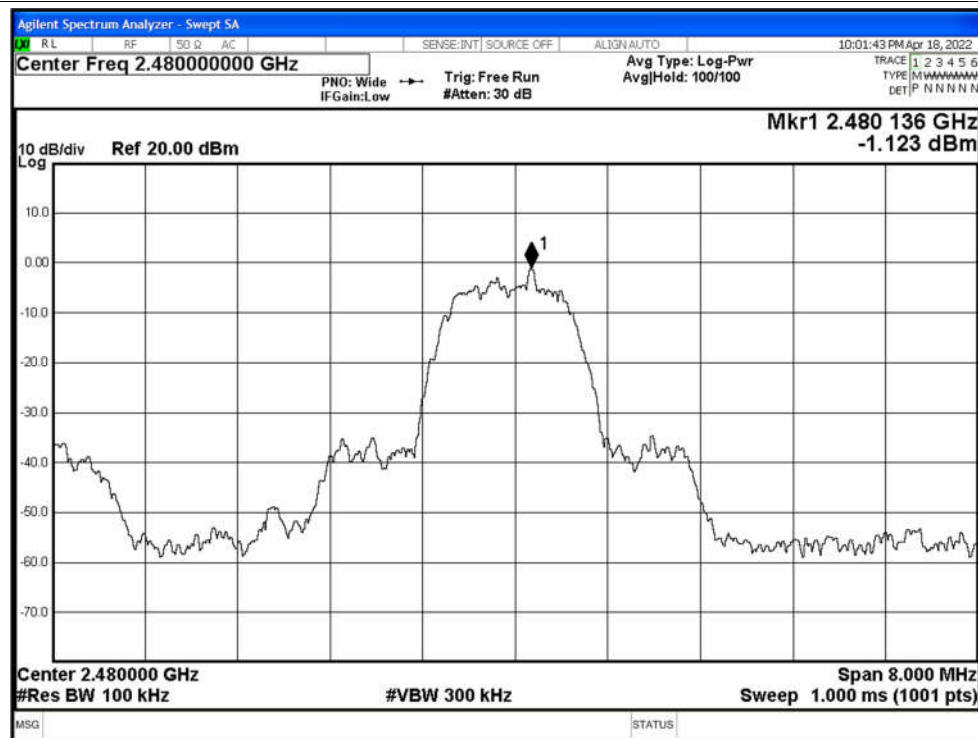
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



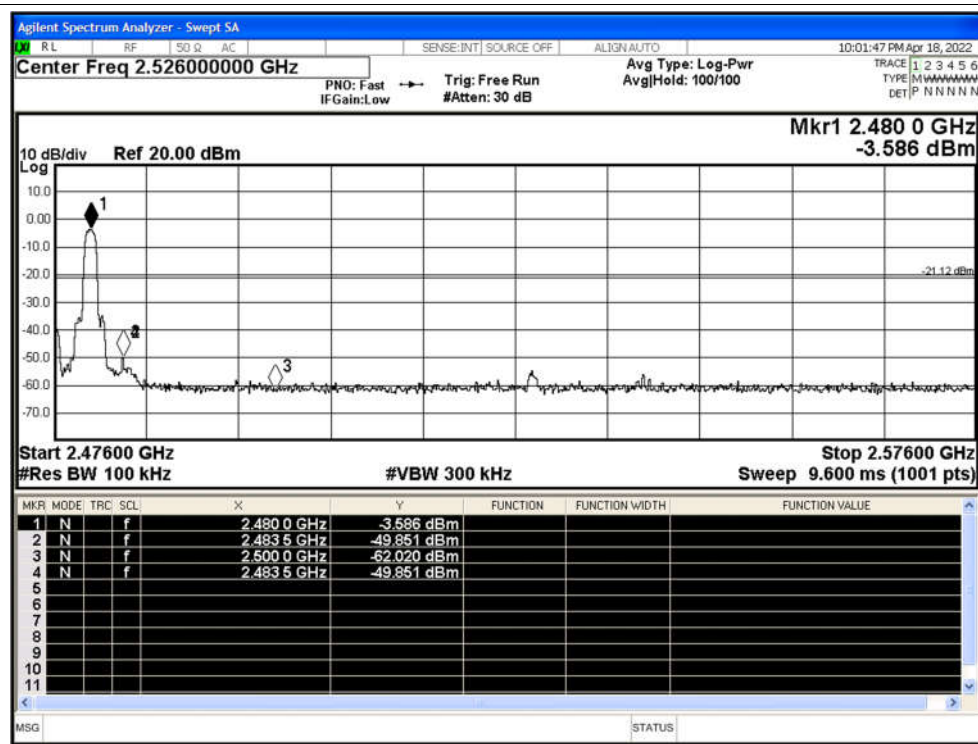
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



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	-54.88	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-49.45	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.97	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-47.39	-20	Pass



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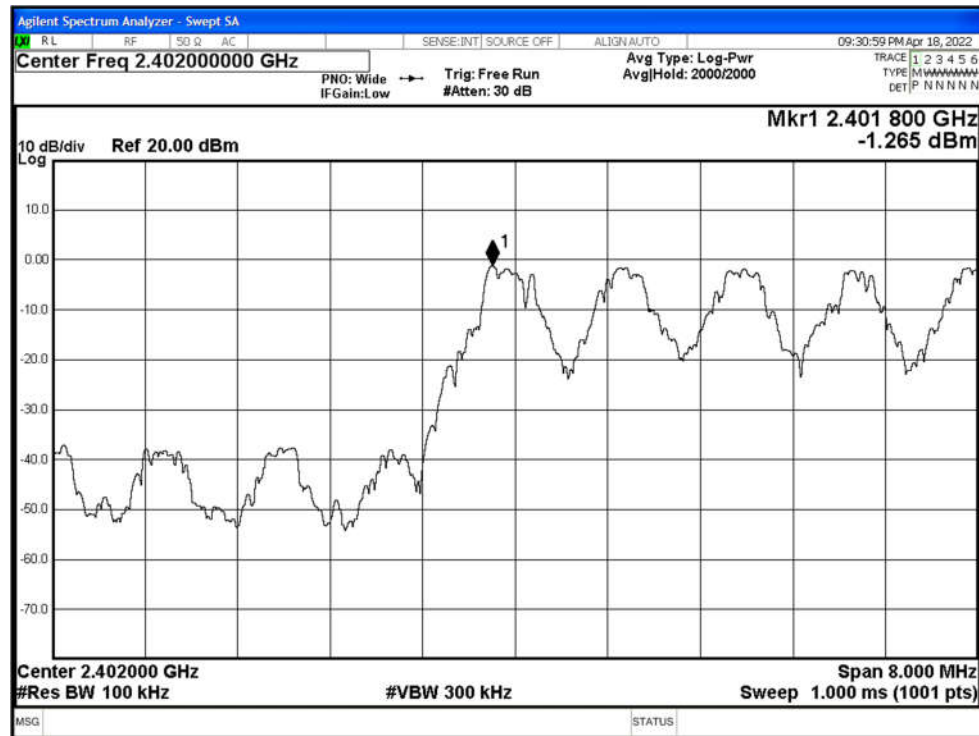
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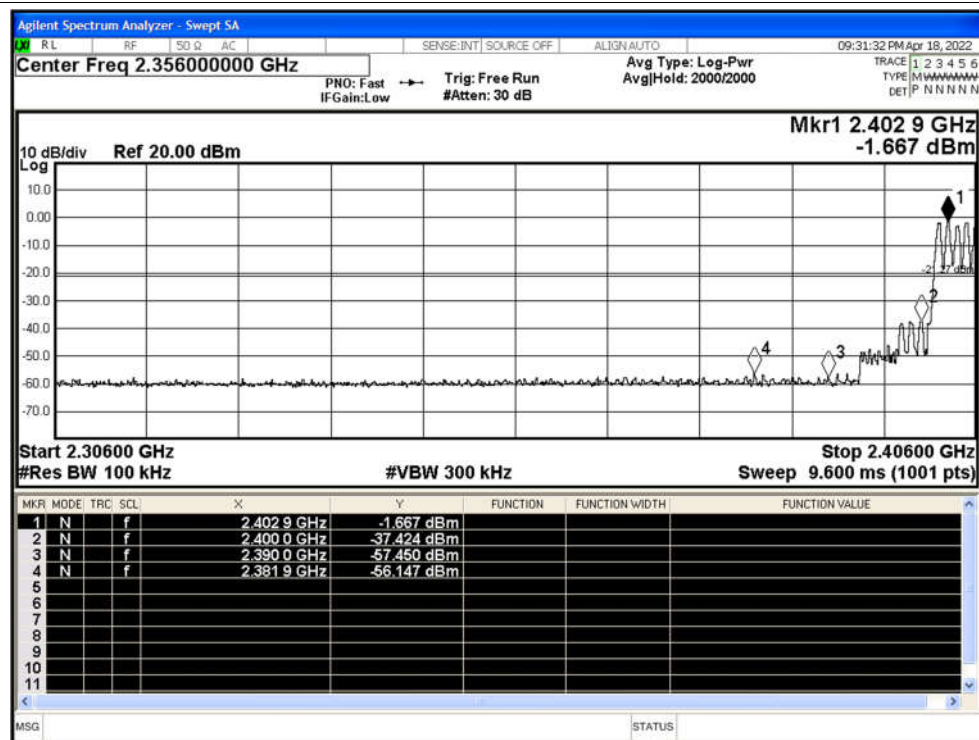
LCS202204022AEA

Test Graphs

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



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



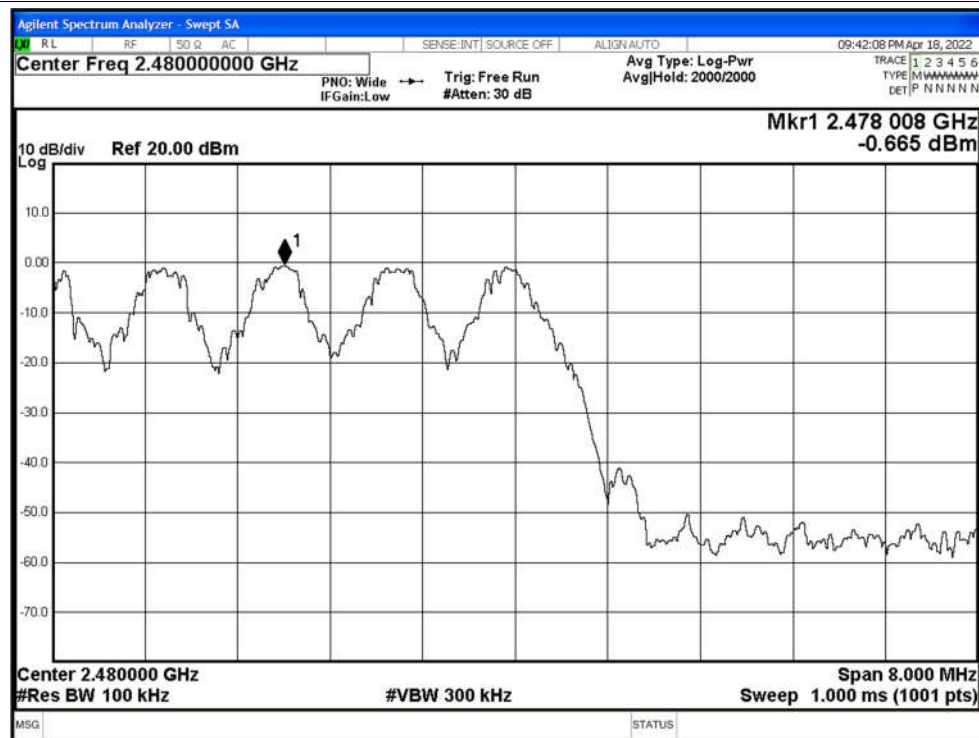
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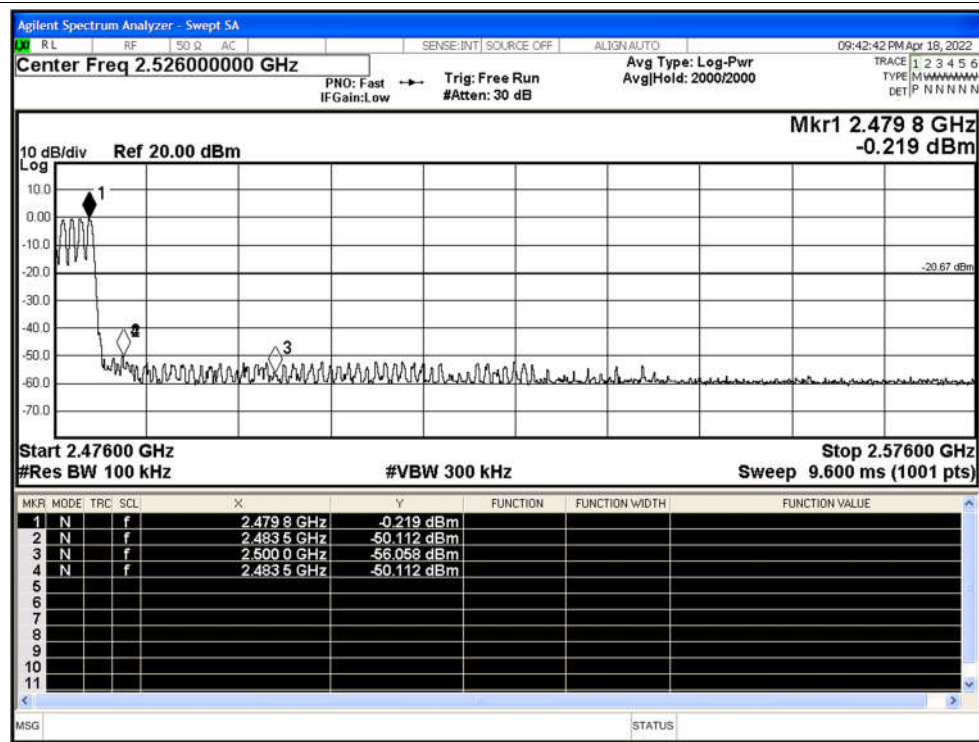
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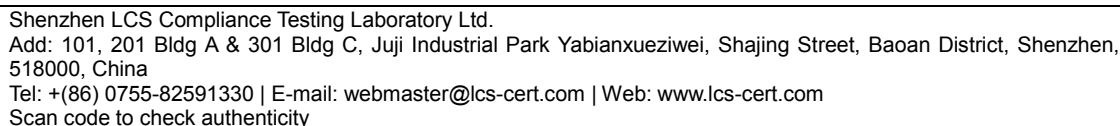
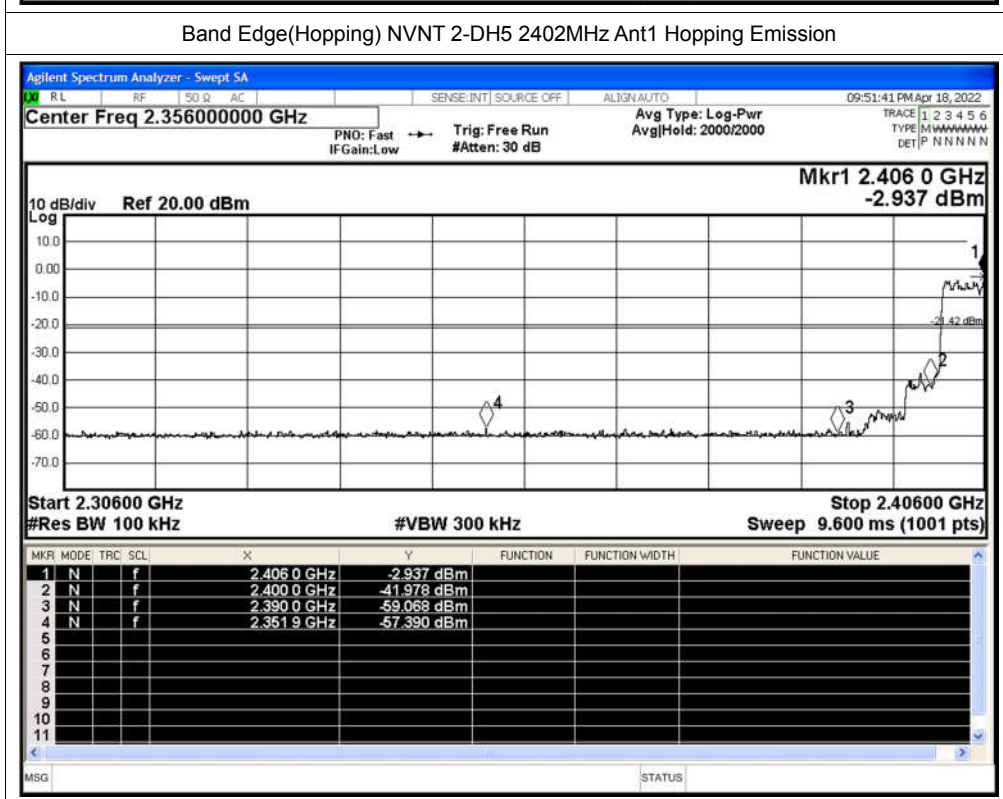
Scan code to check authenticity

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

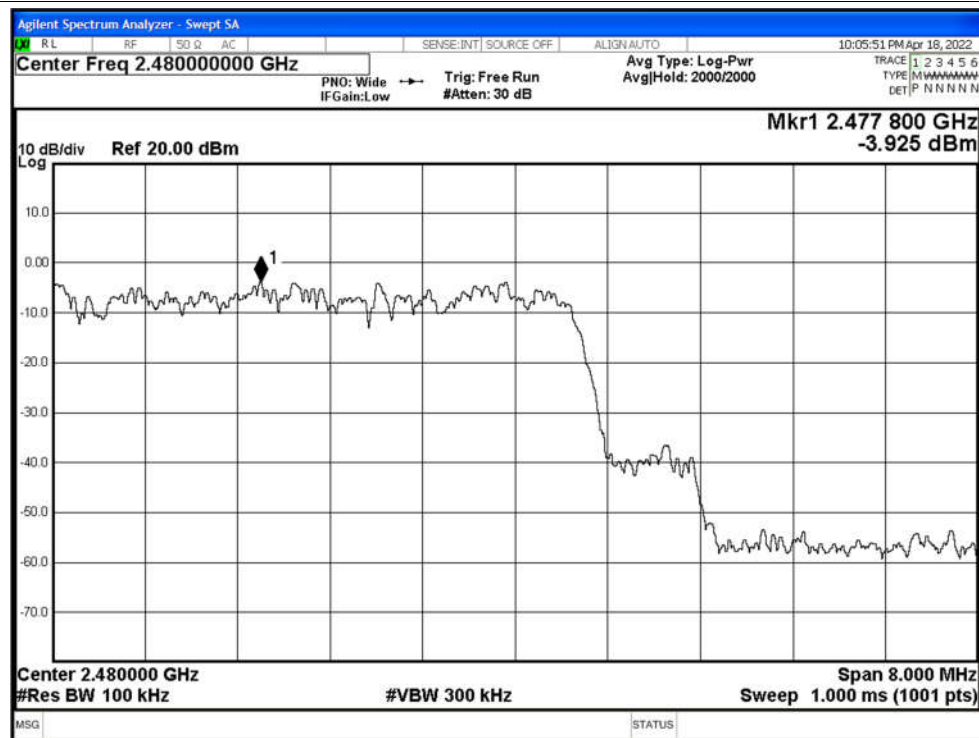


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

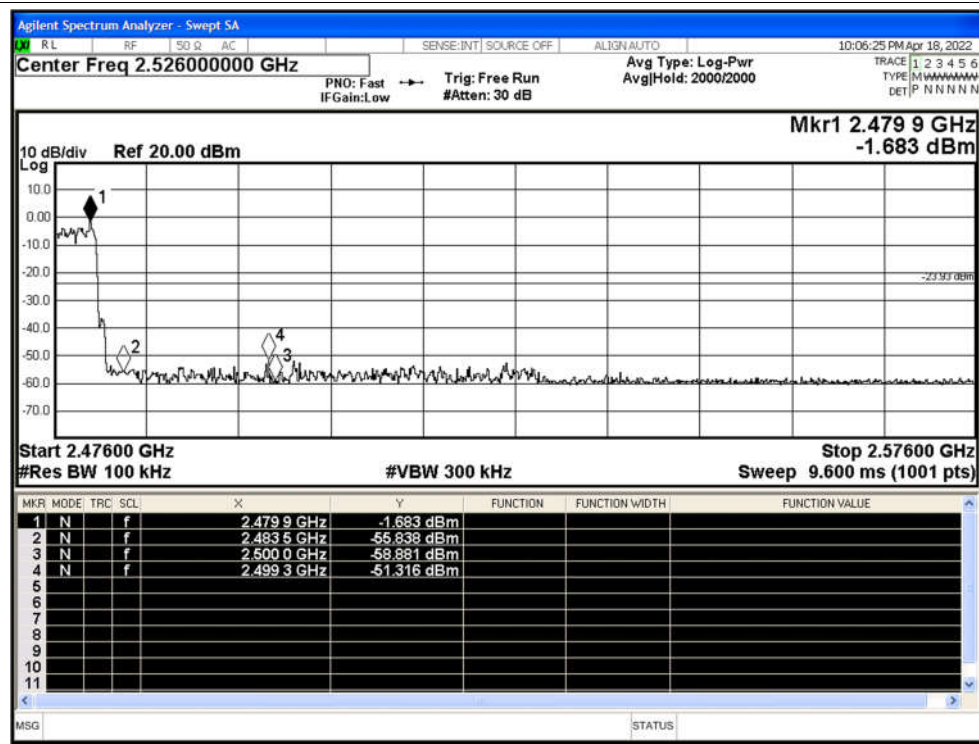




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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	-43.66	-20	Pass
NVNT	1-DH5	2441	Ant1	-36.9	-20	Pass
NVNT	1-DH5	2480	Ant1	-46.53	-20	Pass
NVNT	2-DH5	2402	Ant1	-45.94	-20	Pass
NVNT	2-DH5	2441	Ant1	-43.13	-20	Pass
NVNT	2-DH5	2480	Ant1	-46.18	-20	Pass



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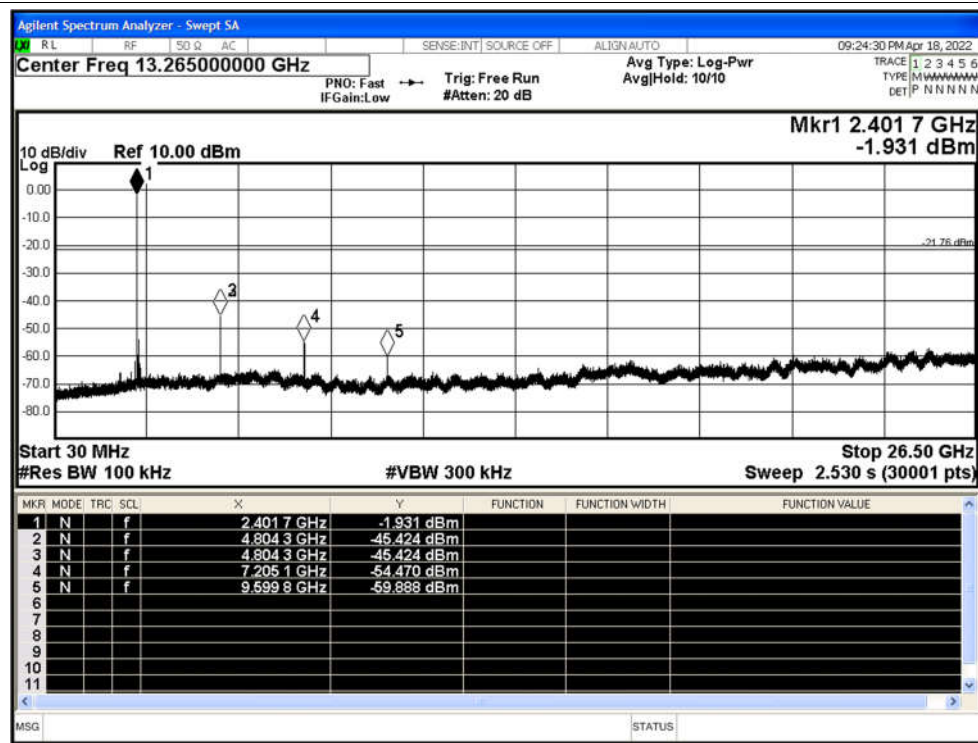
Scan code to check authenticity

Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



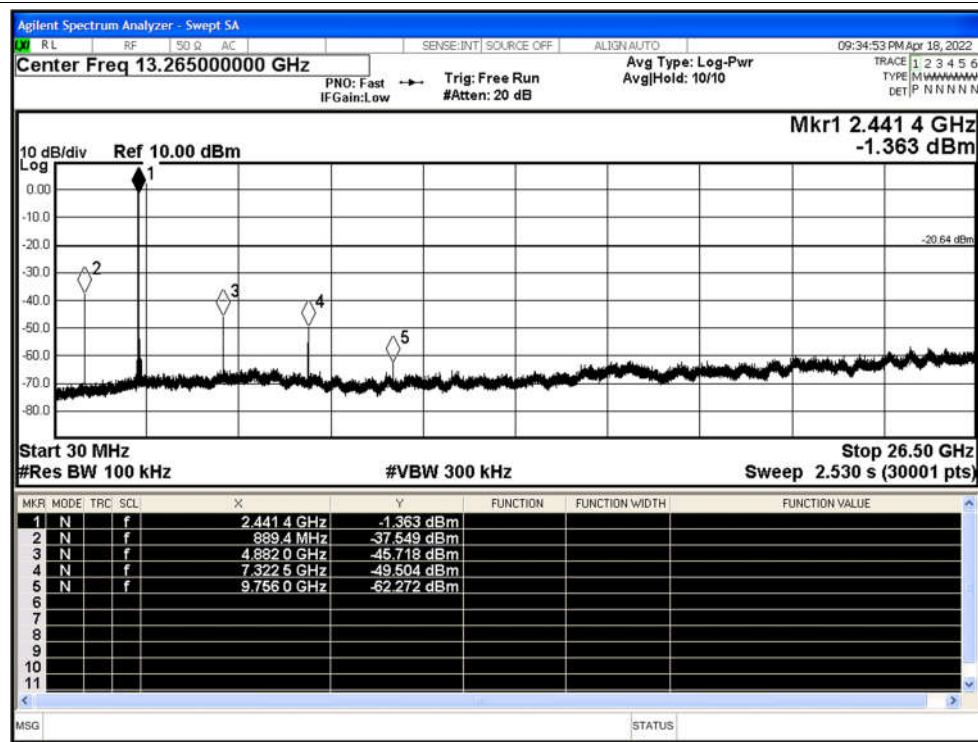
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



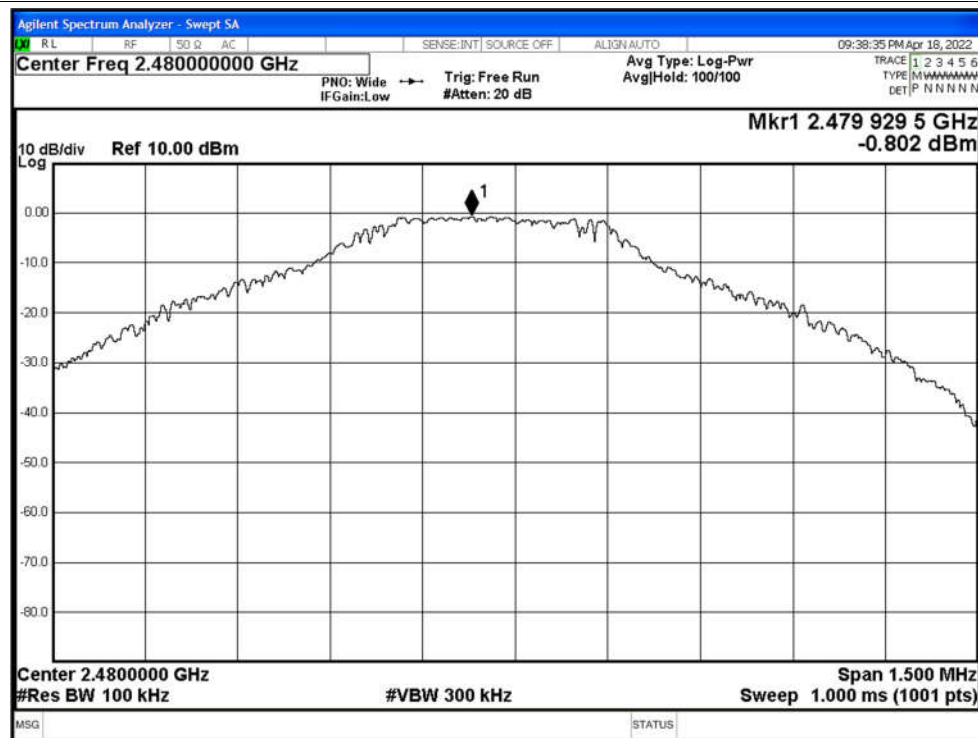
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



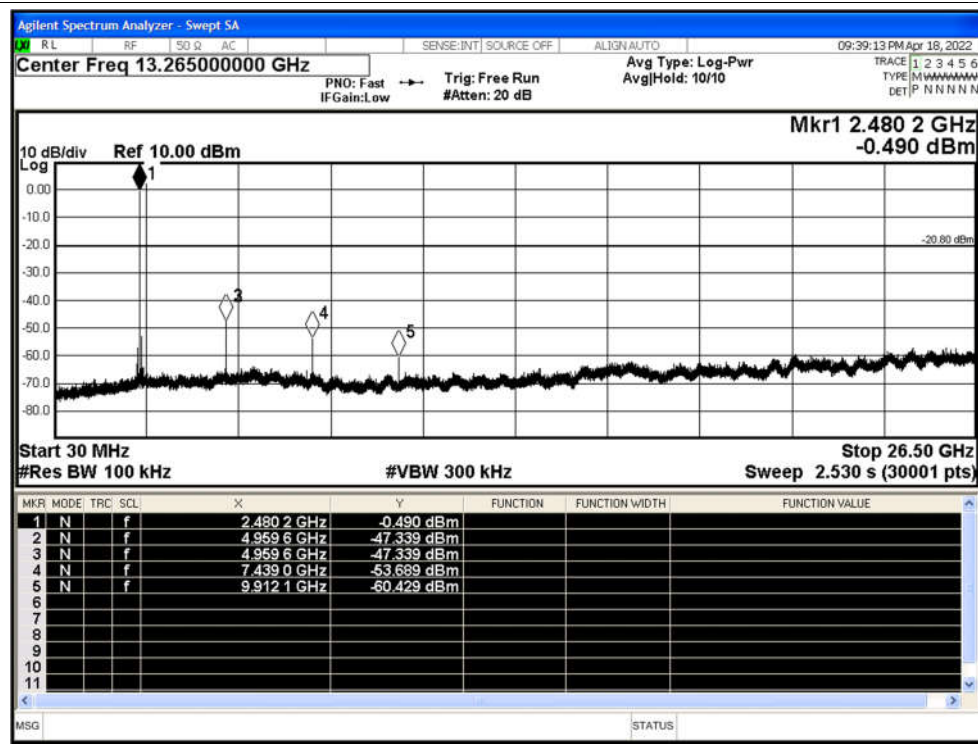
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



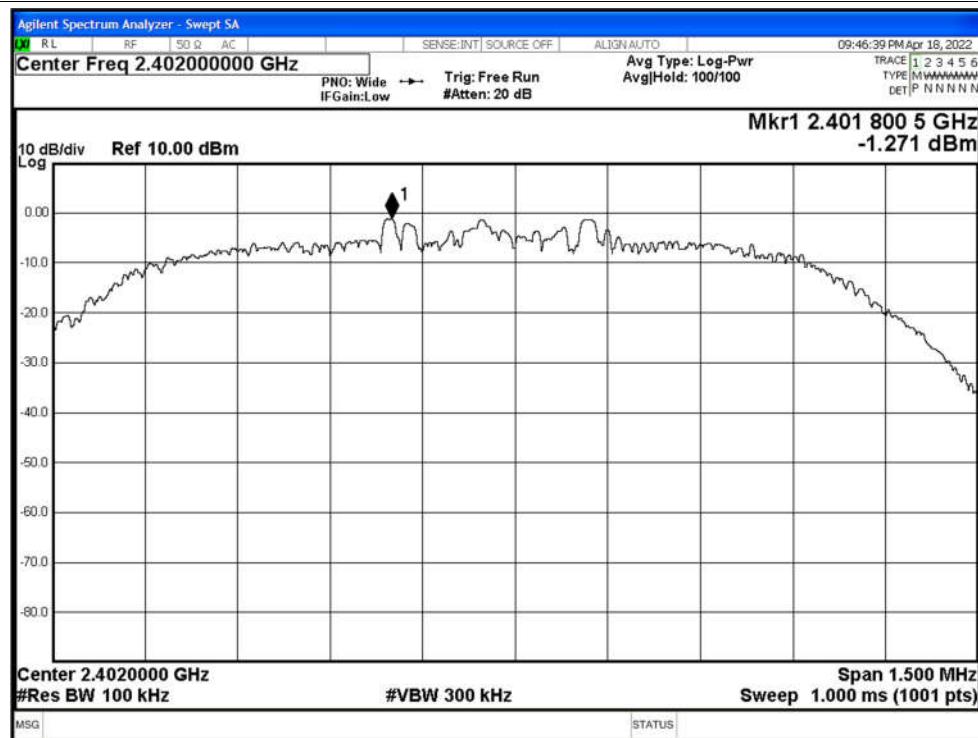
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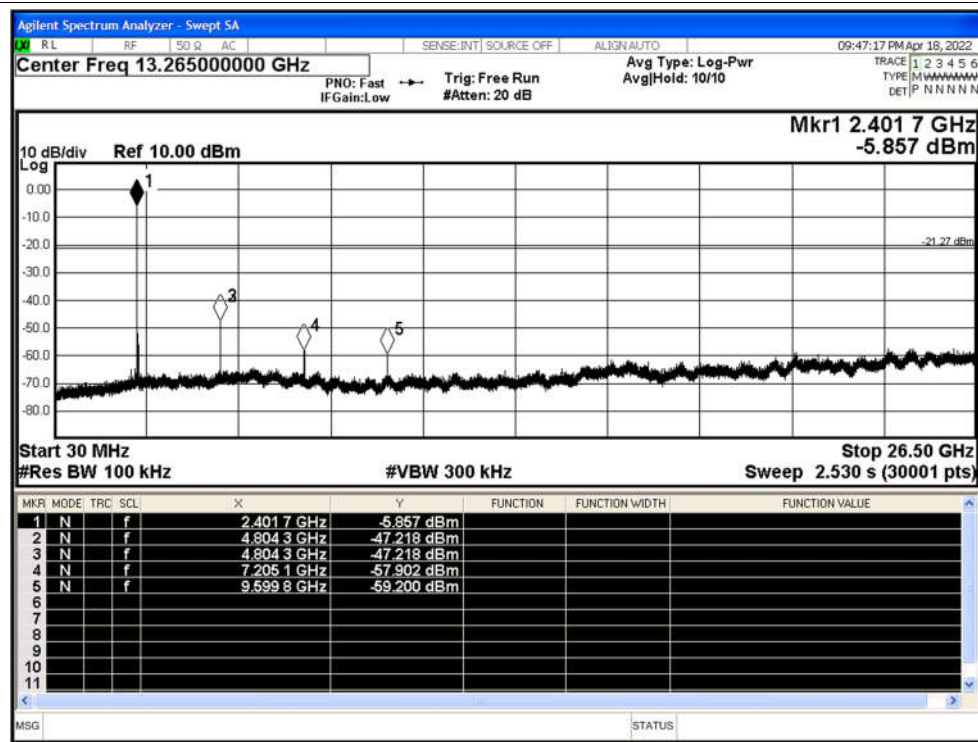
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



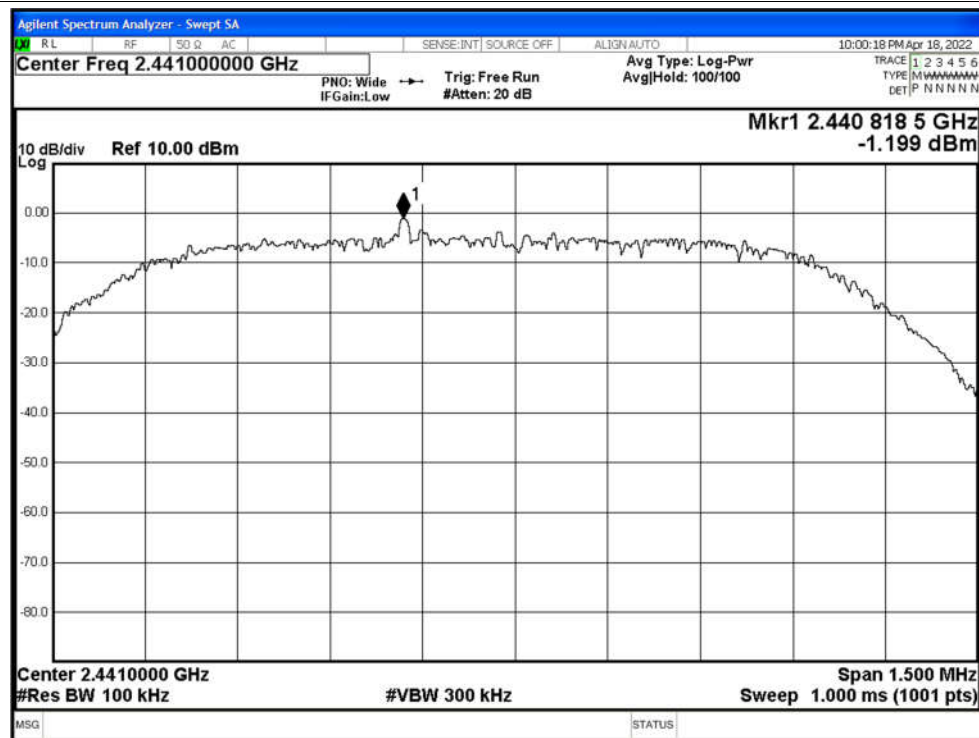
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



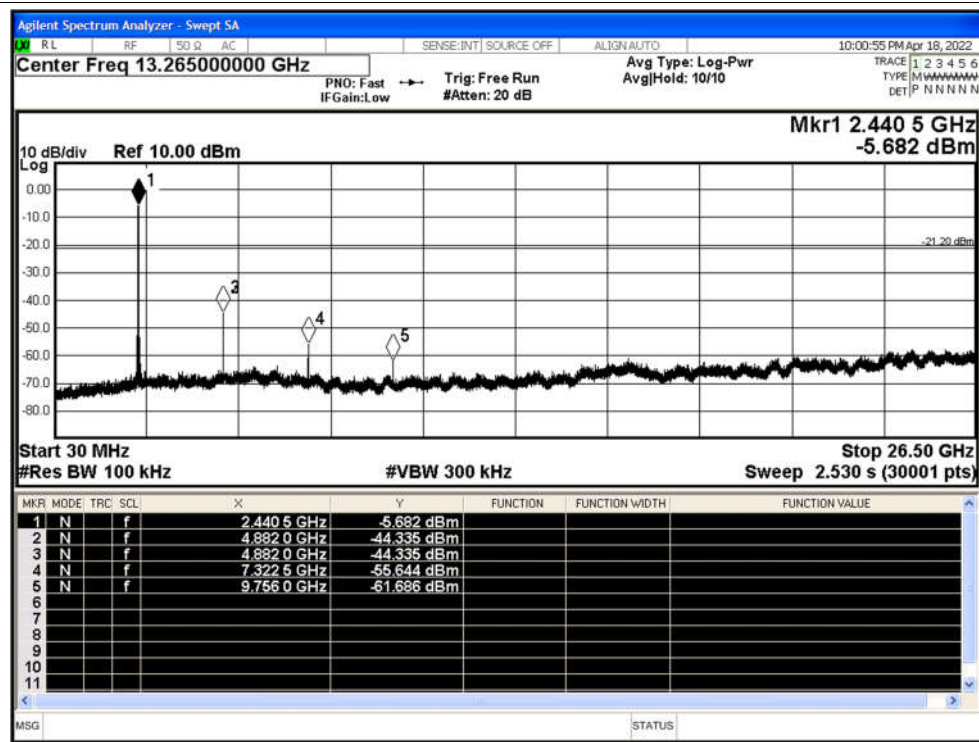
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



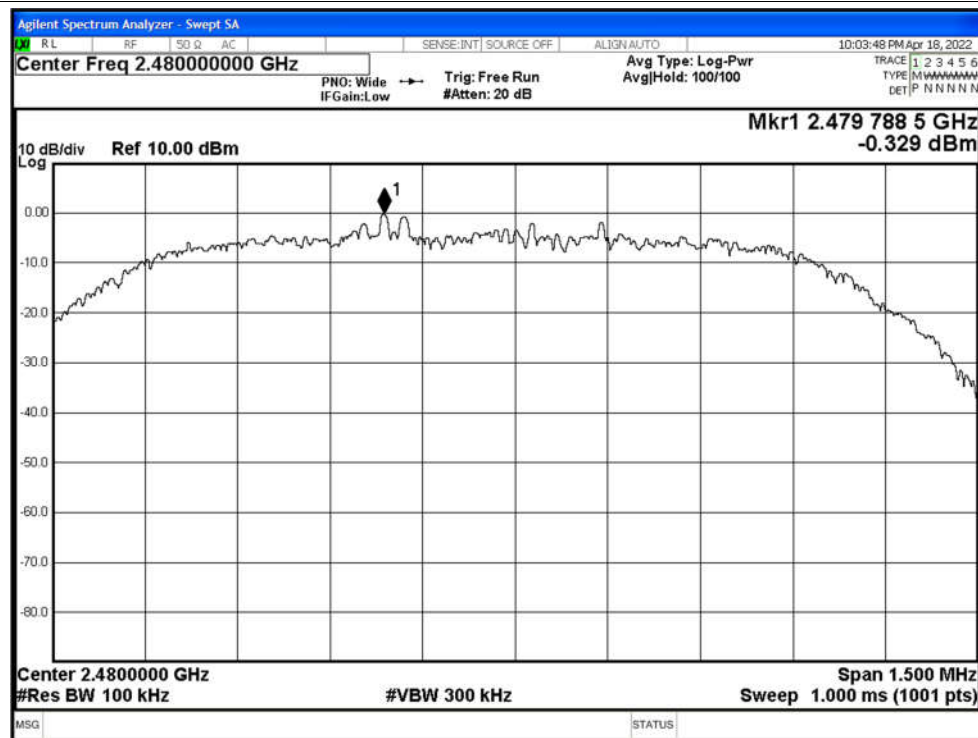
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



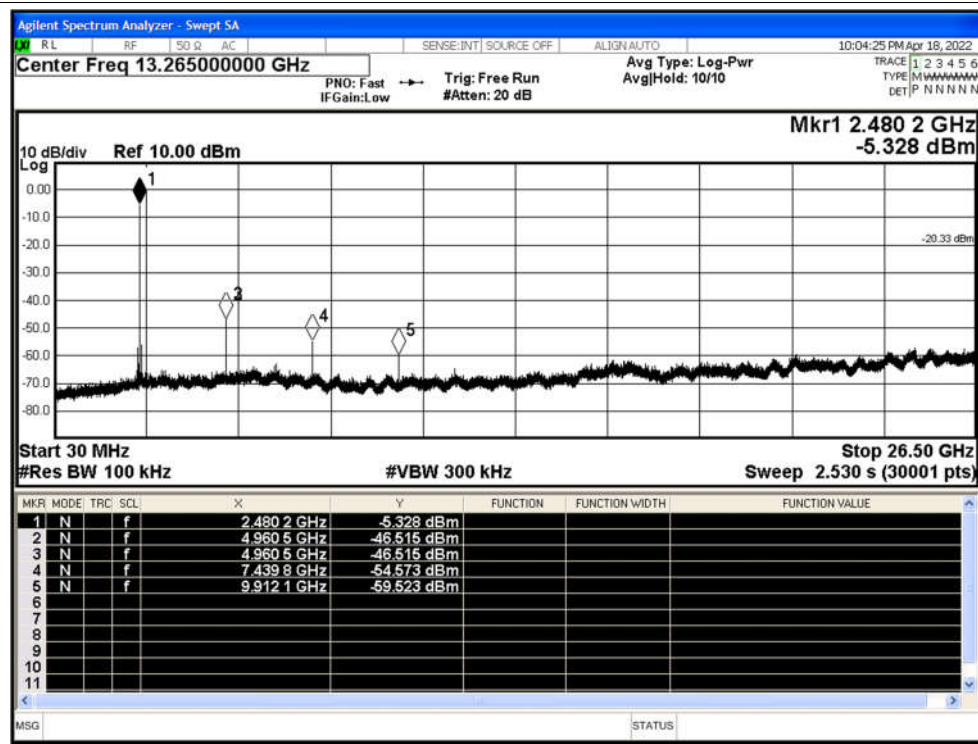
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



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	-53.36	2	43.9	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-62.06	2	35.2	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310.768	-49	2	48.26	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2353.968	-59.53	2	37.73	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-52.75	2	44.51	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.67	2	35.59	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-44.63	2	52.63	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-52.91	2	44.35	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.944	-43.65	2	53.61	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.992	-52.04	2	45.22	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.8	2	45.46	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.38	2	35.88	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.5	2	44.76	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-61.93	2	35.33	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2386.224	-48.92	2	48.34	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2354.16	-60.27	2	36.99	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.6	2	45.66	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.58	2	35.68	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-46.12	2	51.14	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-54.89	2	42.37	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.776	-43.9	2	53.36	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.68	-54.61	2	42.65	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.21	2	47.05	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.48	2	35.78	Average	54	Pass



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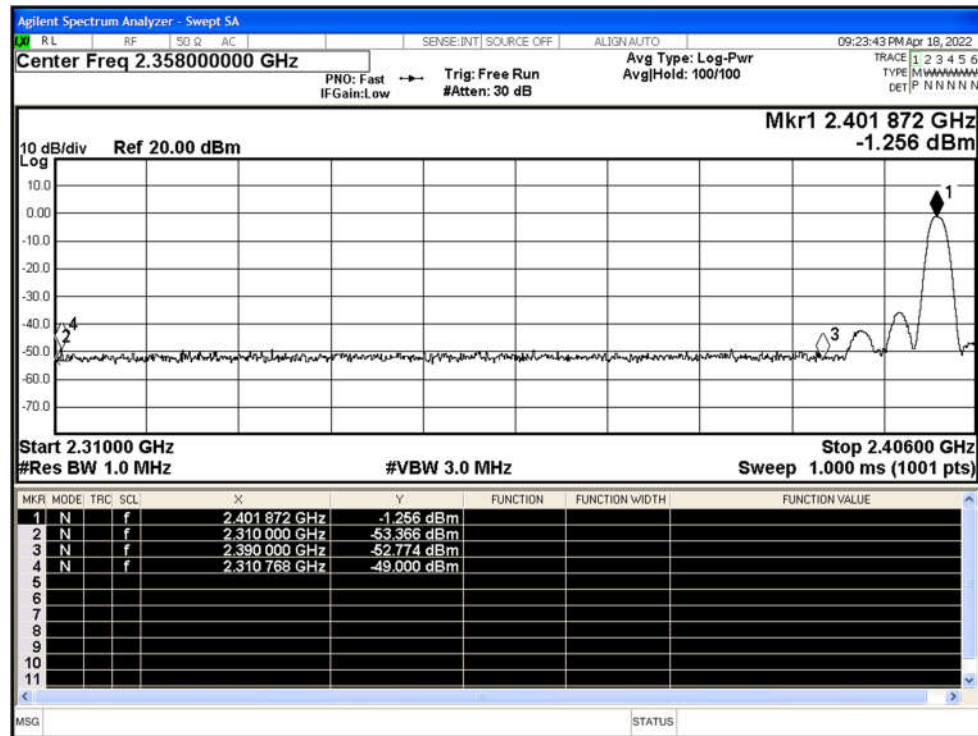
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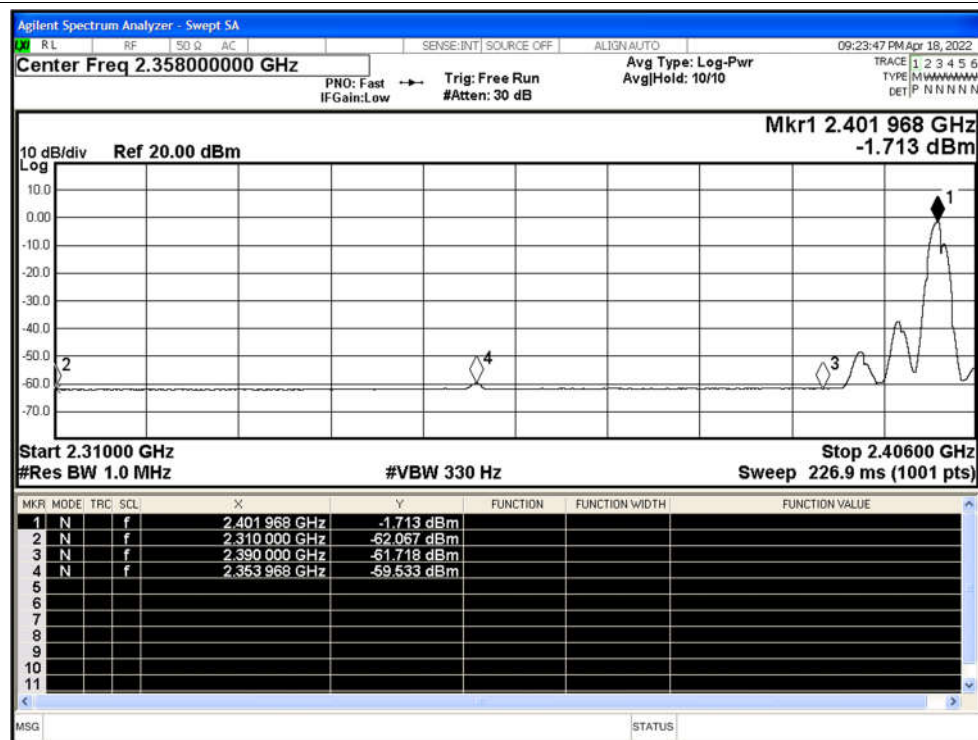


Test Graphs

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



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

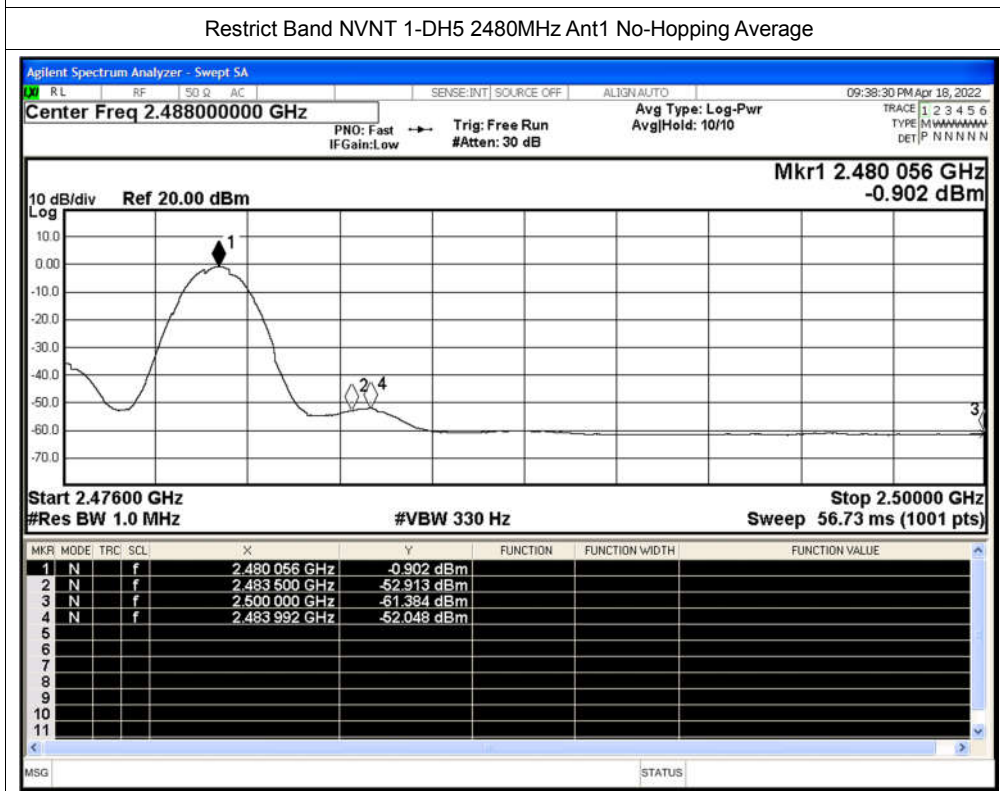


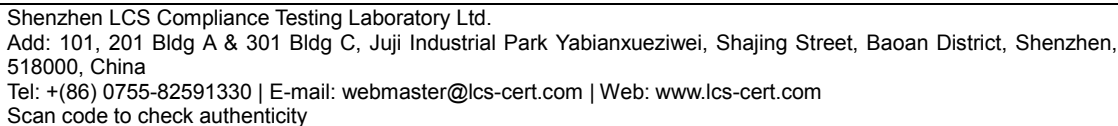
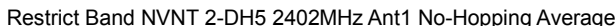
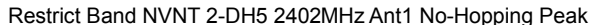
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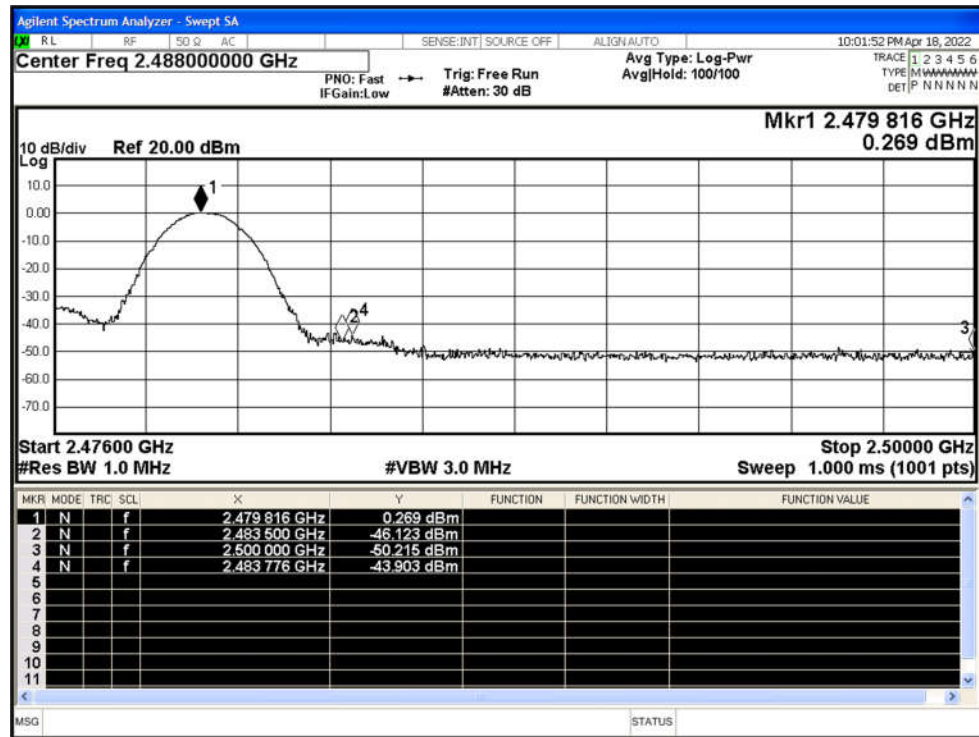
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Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



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

