



## Appendix A

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

Product Name: BLUETOOTH PARTY SYSTEM

Test Model: GSYS-6800

#### Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Ling Zhu





## A.1 -20dB Bandwidth

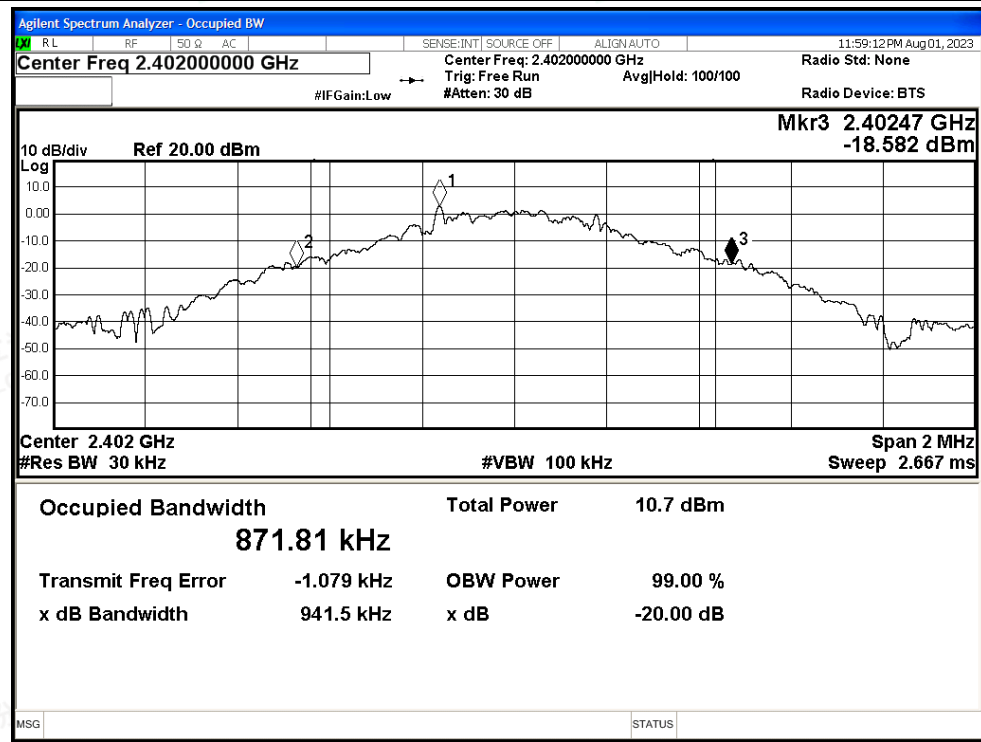
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.942	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.941	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.941	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.289	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.314	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.283	N/A	Pass



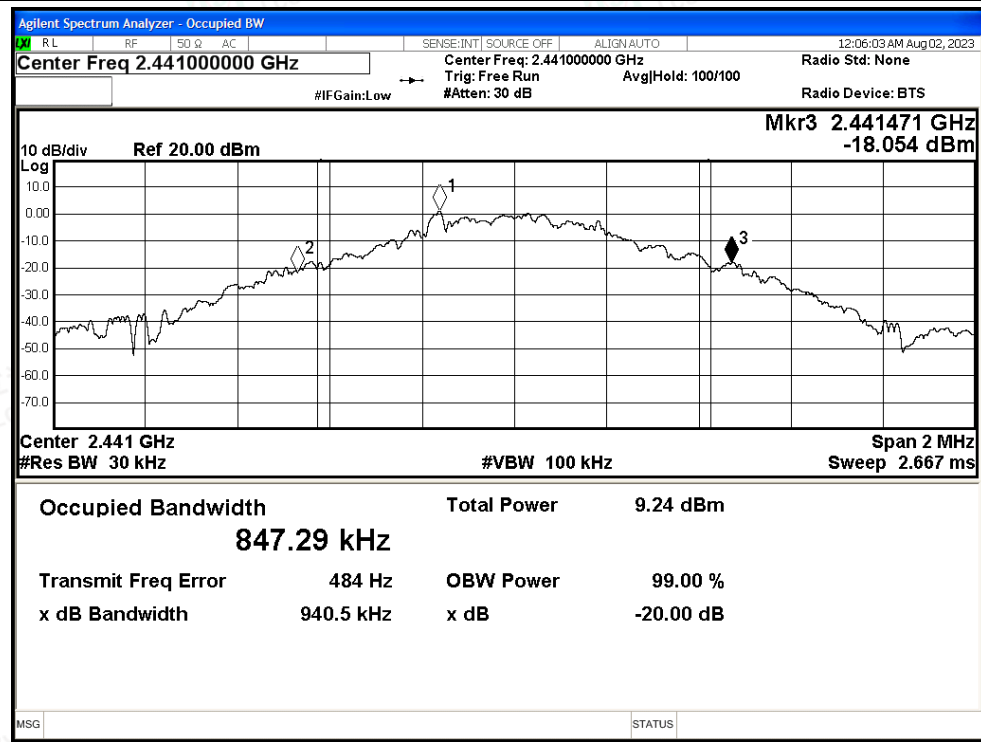


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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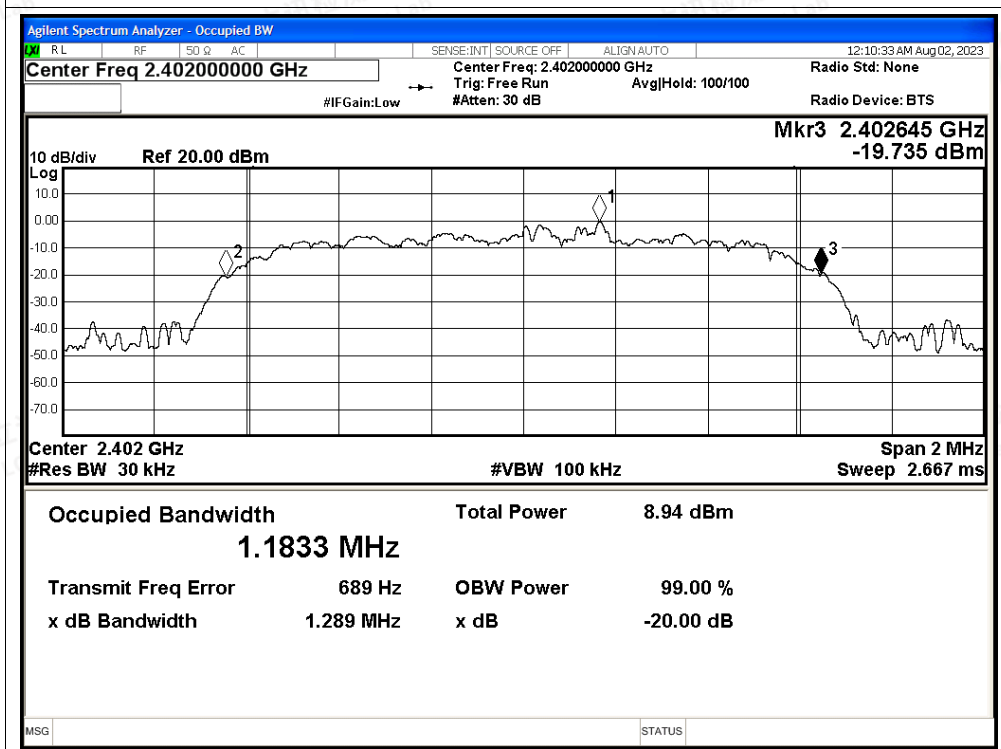
Scan code to check authenticity



-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

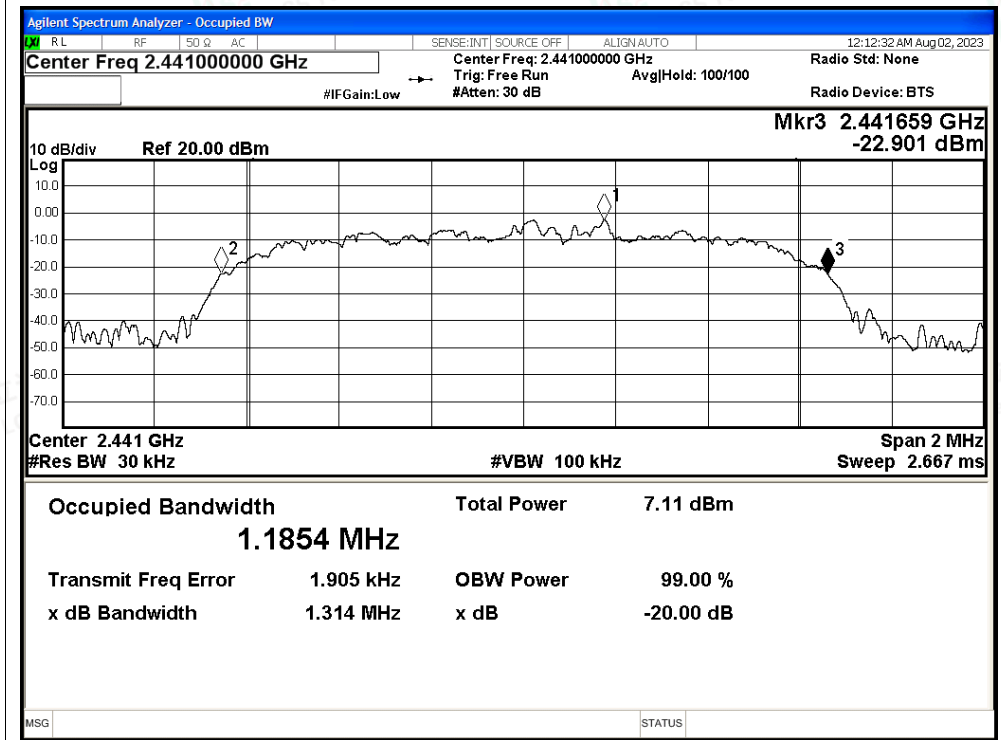


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

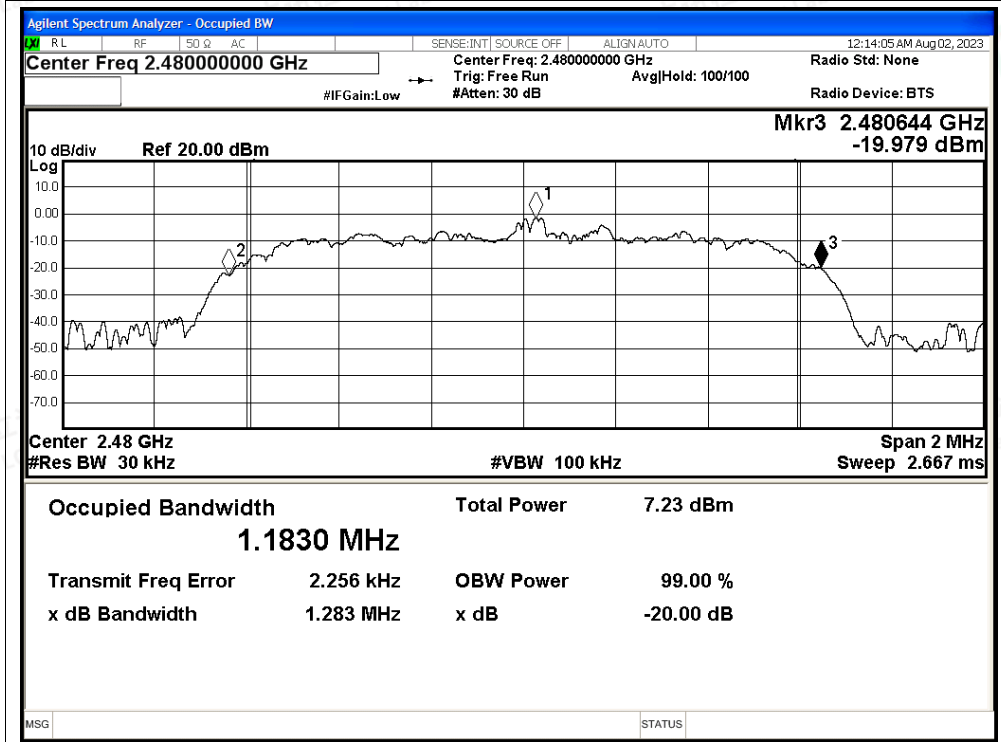




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





## A.2 Maximum Conducted Output Power

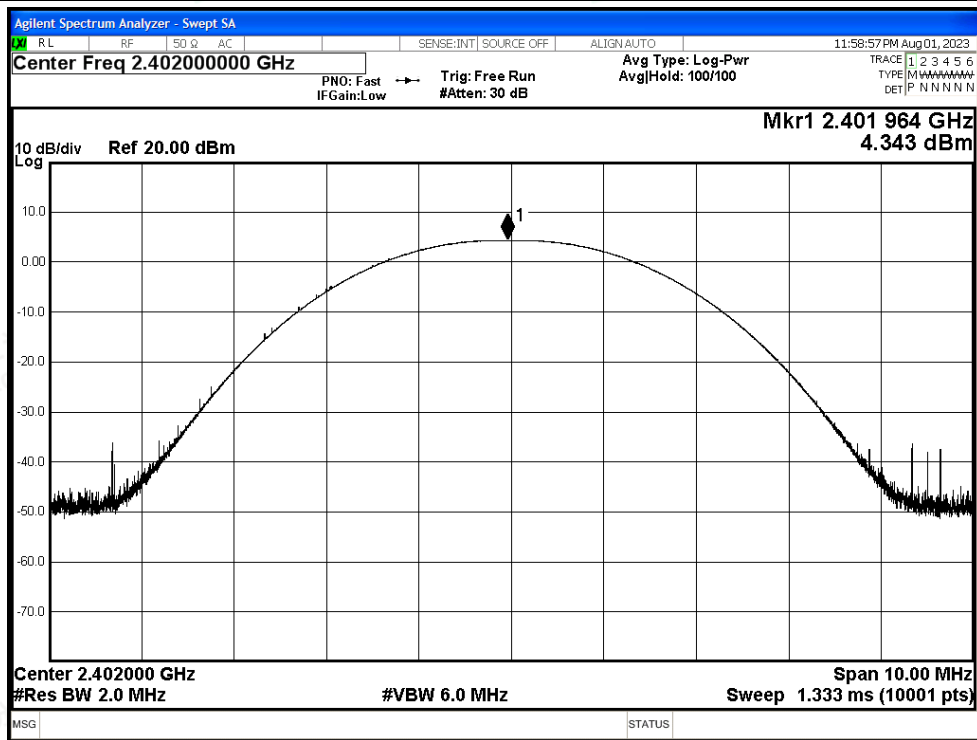
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	4.34	21	Pass
NVNT	1-DH5	2441	Ant1	2.58	21	Pass
NVNT	1-DH5	2480	Ant1	2.50	21	Pass
NVNT	2-DH5	2402	Ant1	4.45	21	Pass
NVNT	2-DH5	2441	Ant1	2.86	21	Pass
NVNT	2-DH5	2480	Ant1	2.87	21	Pass



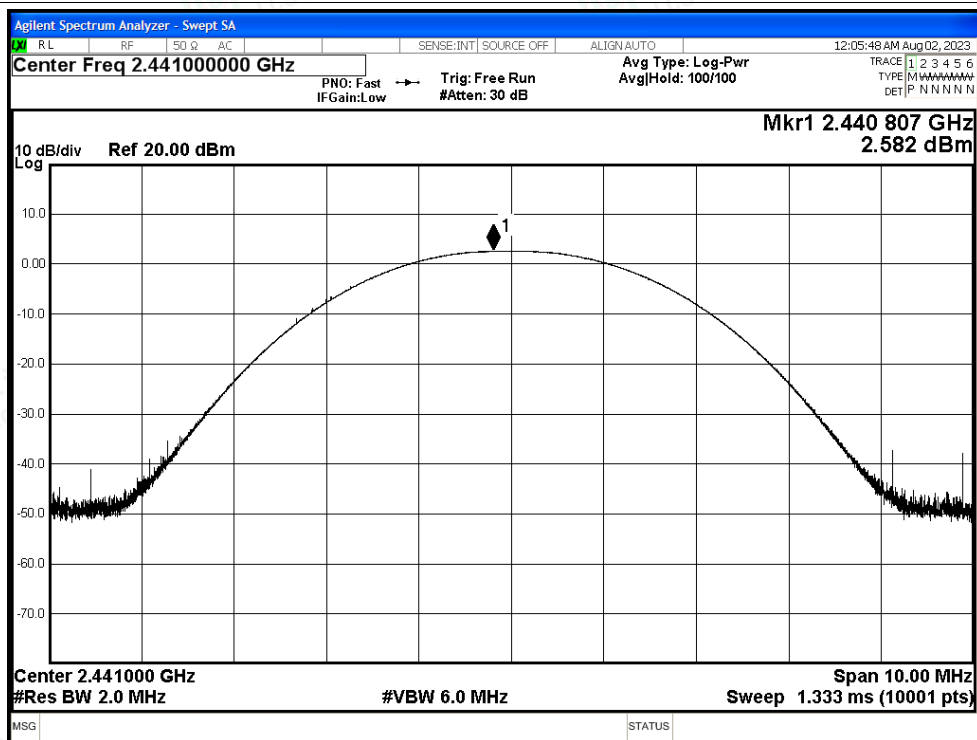


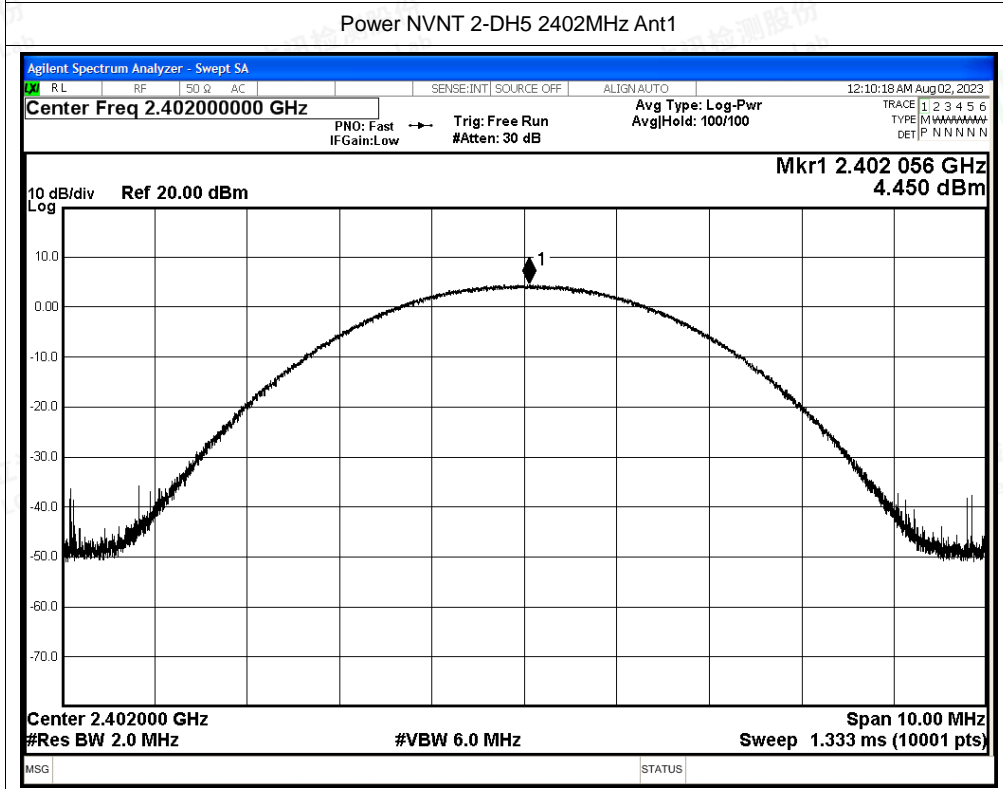
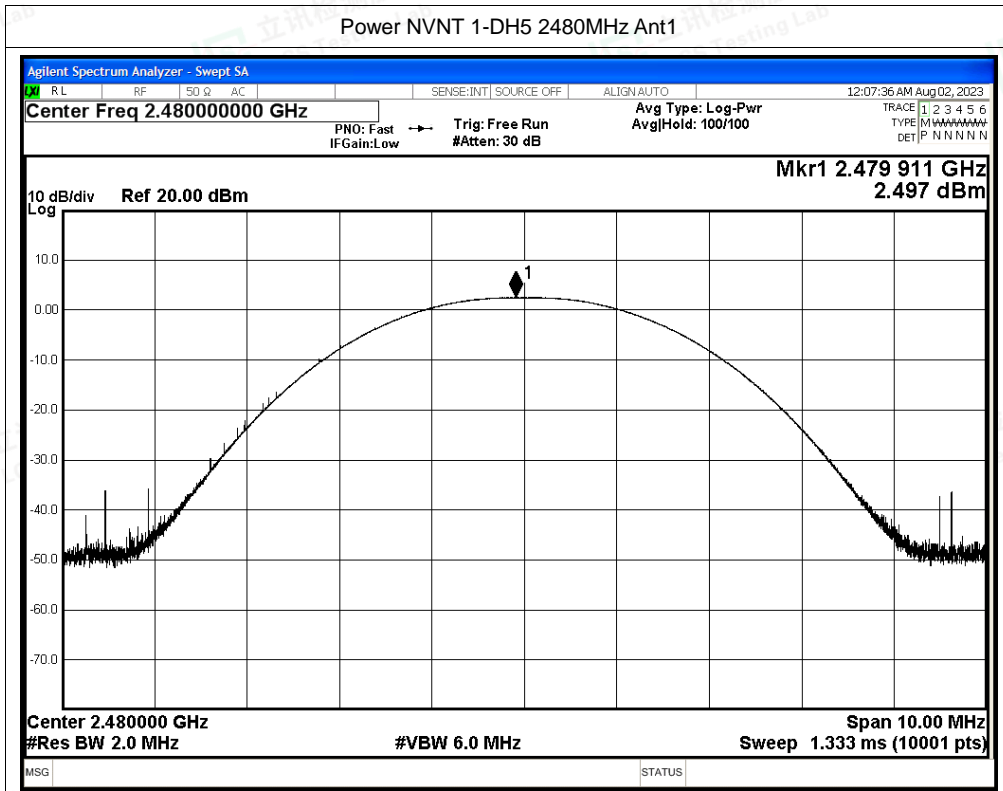
Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

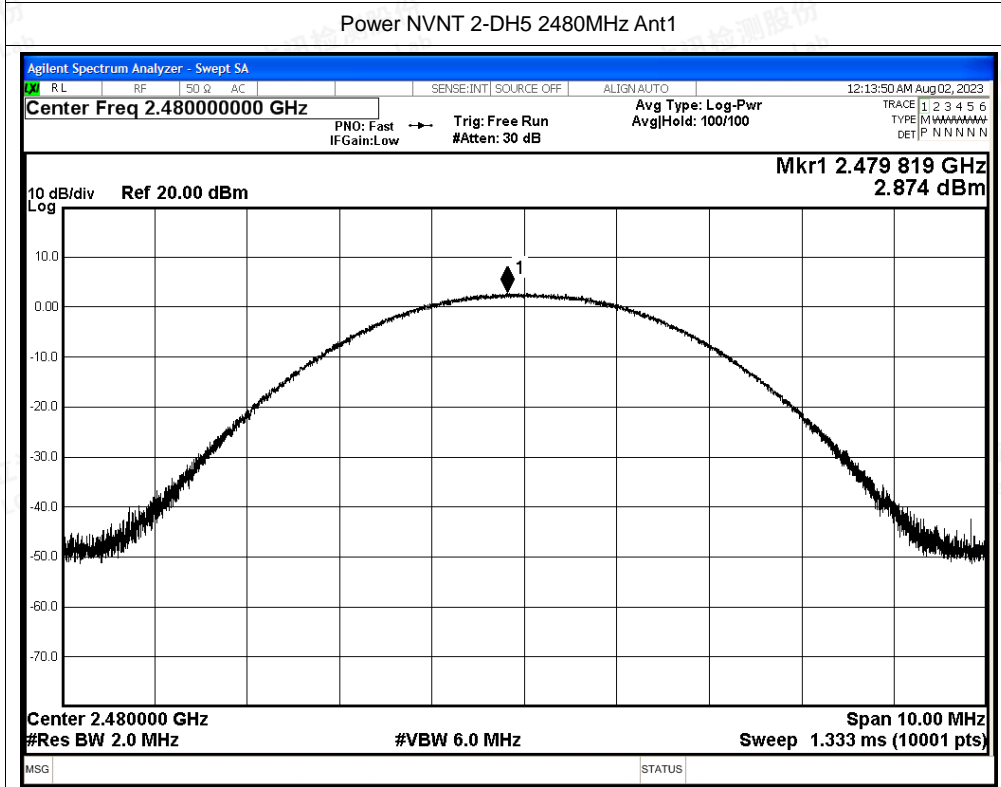
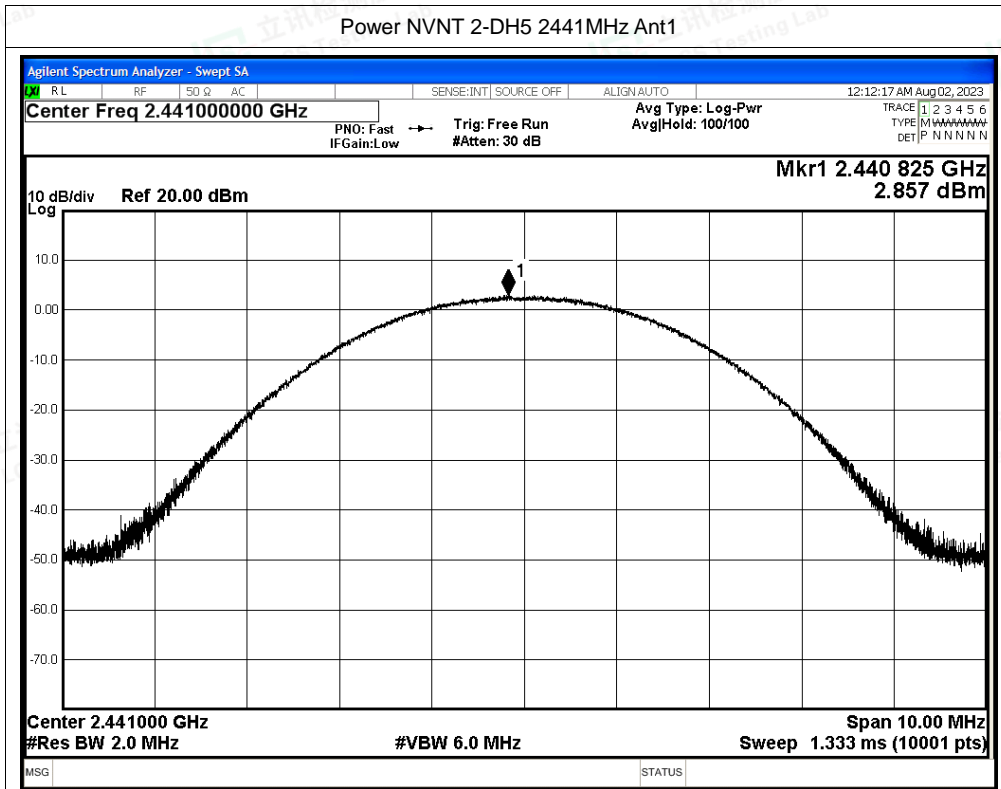


Power NVNT 1-DH5 2441MHz Ant1







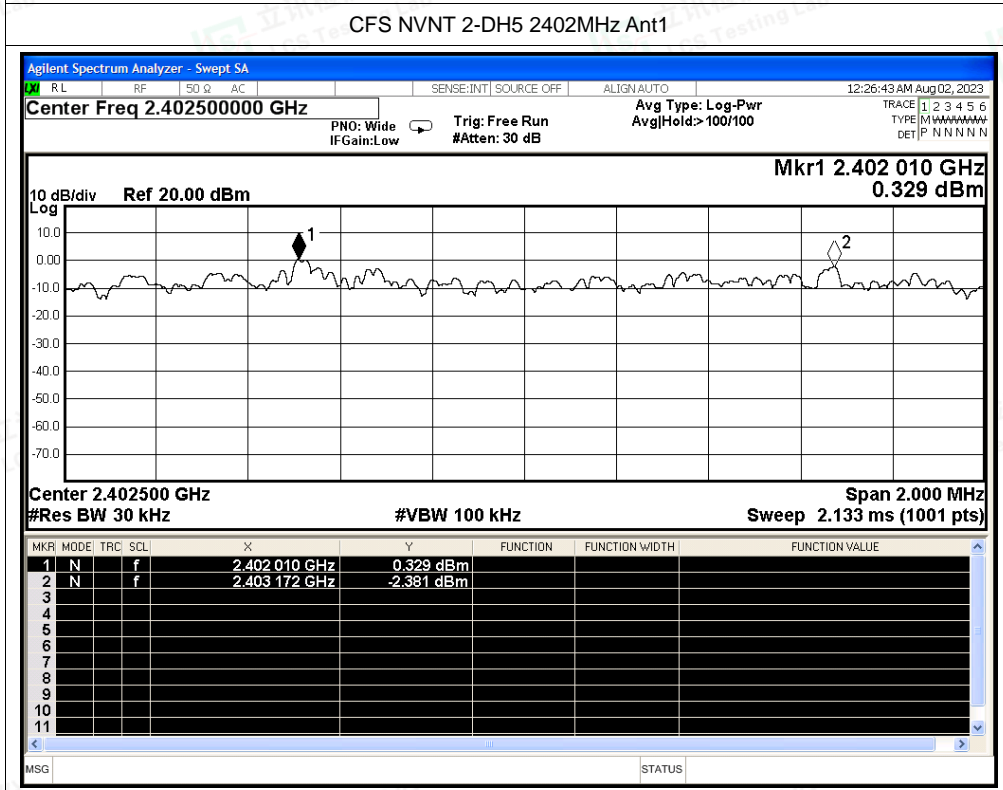
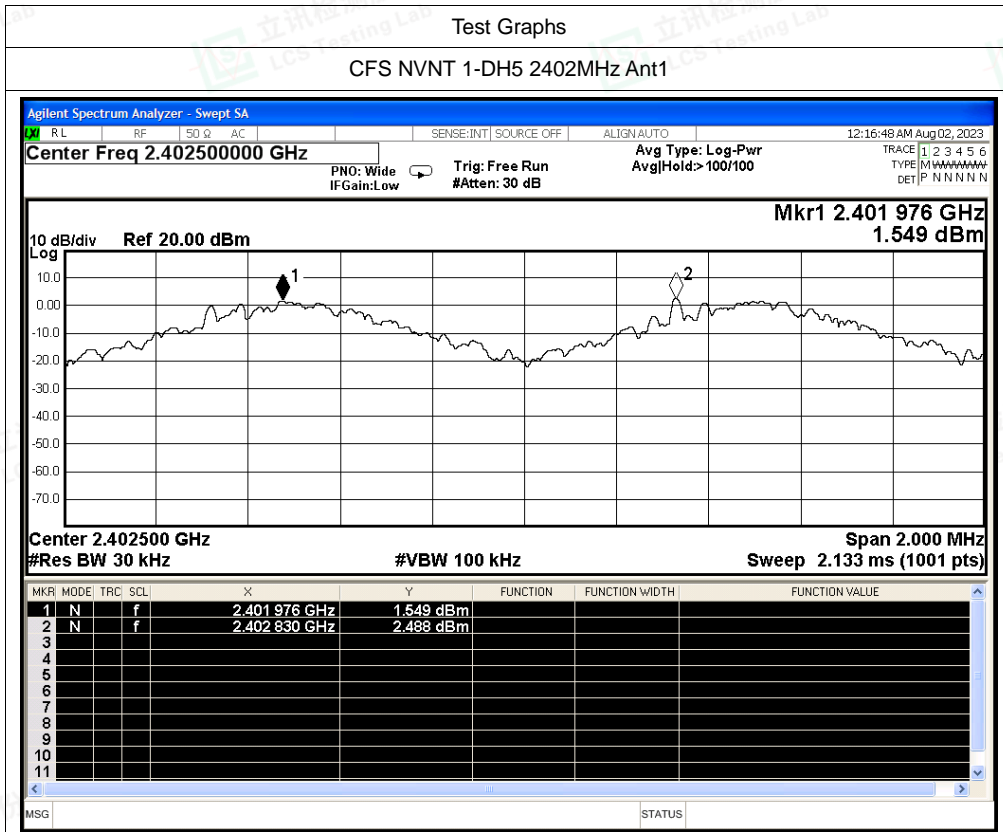




### A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.976	2402.83	0.854	0.628	Pass
NVNT	2-DH5	Ant1	2402.01	2403.172	1.162	0.876	Pass







### A.4 Dwell Time

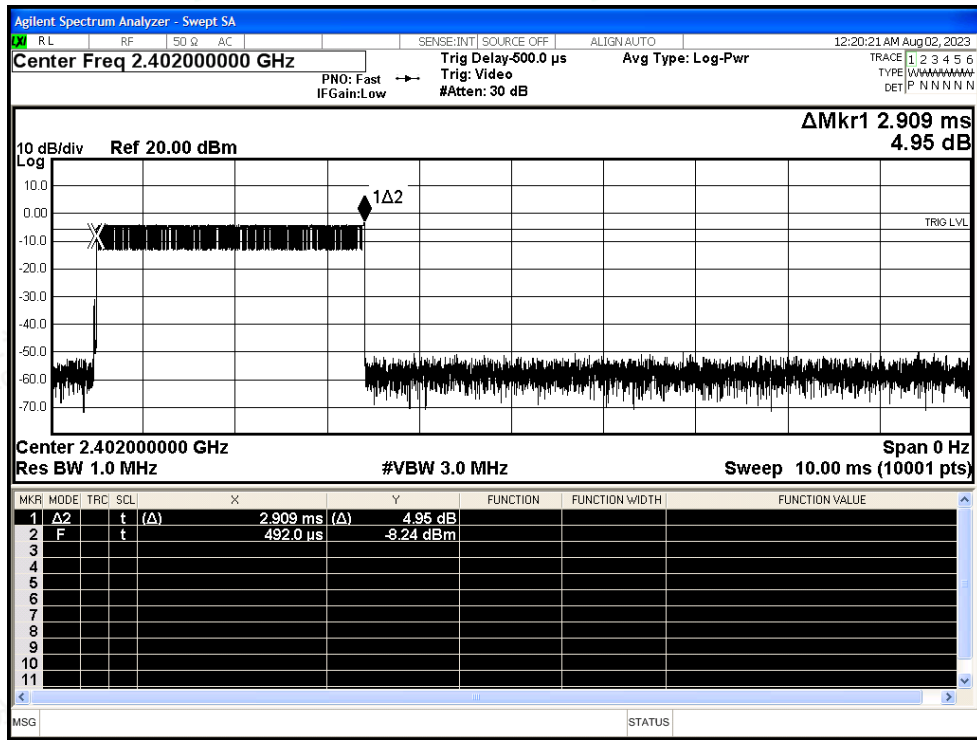
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.909	322.899	111	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	327.474	113	31600	400	Pass



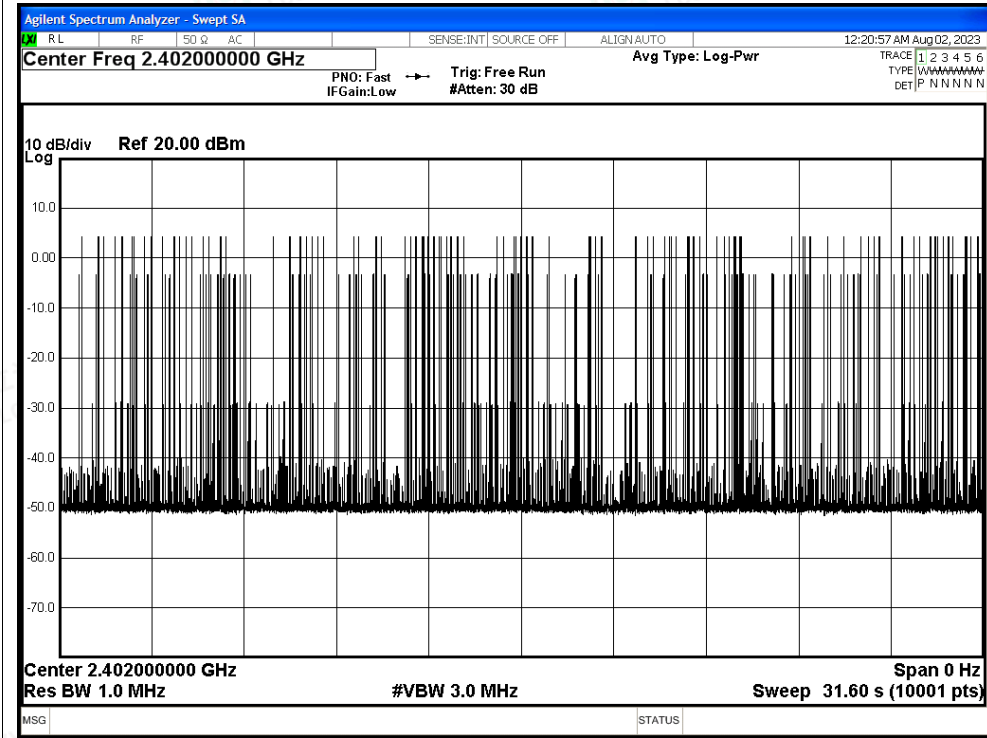


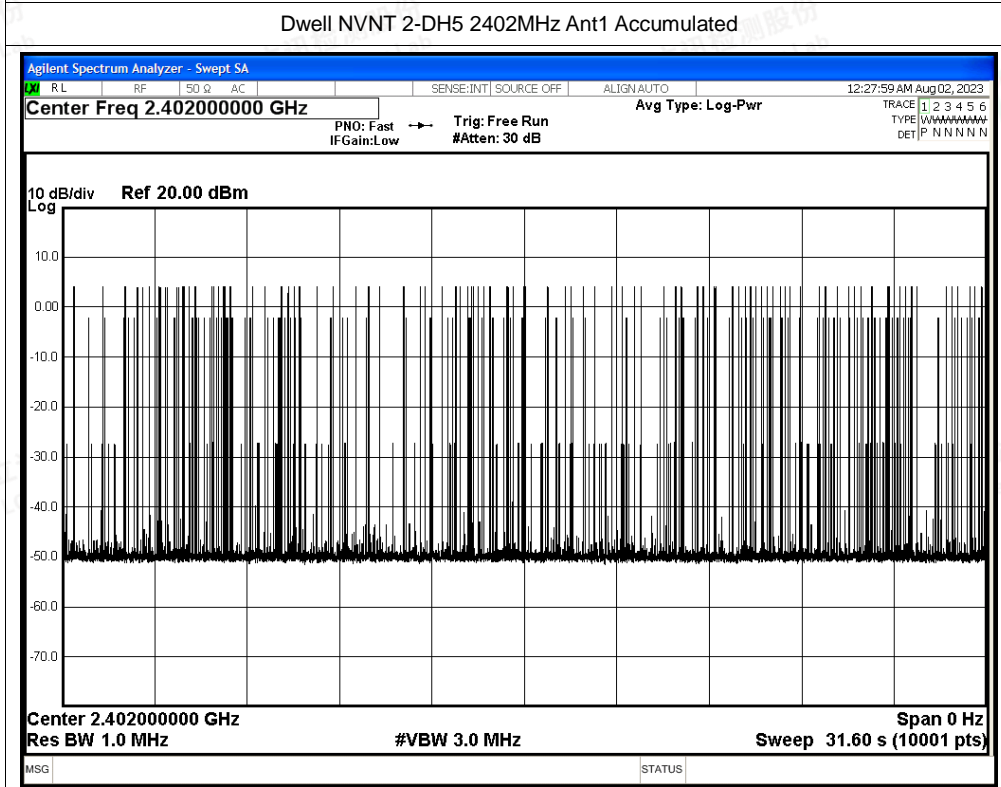
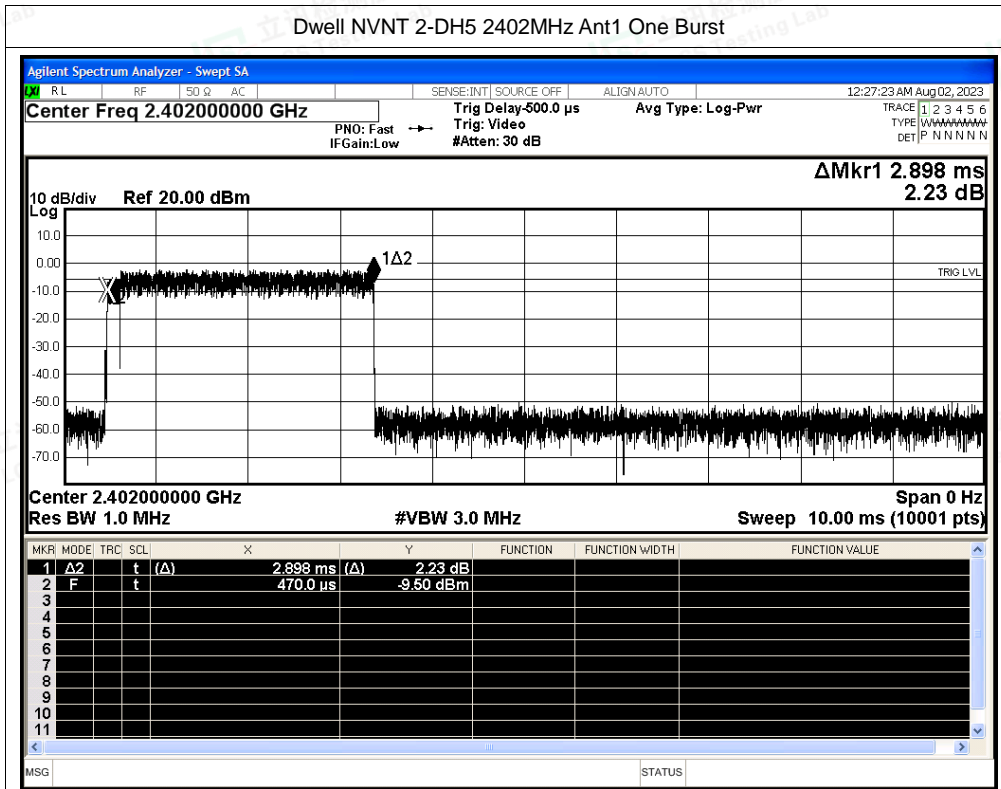
Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated







## A.5 Number of Hopping Channel

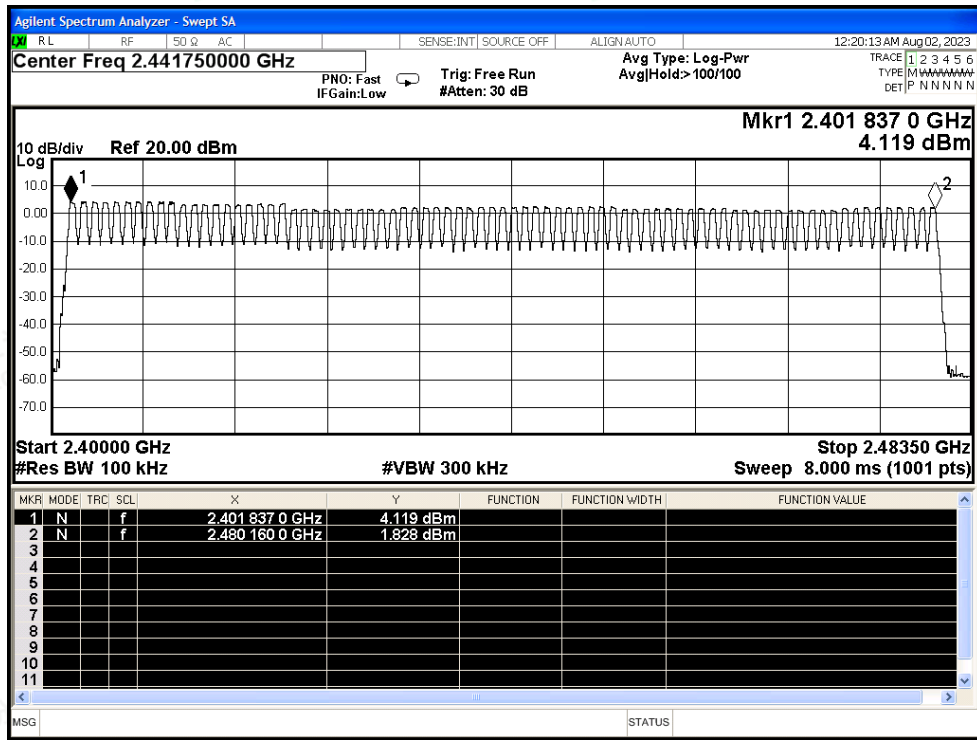
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass



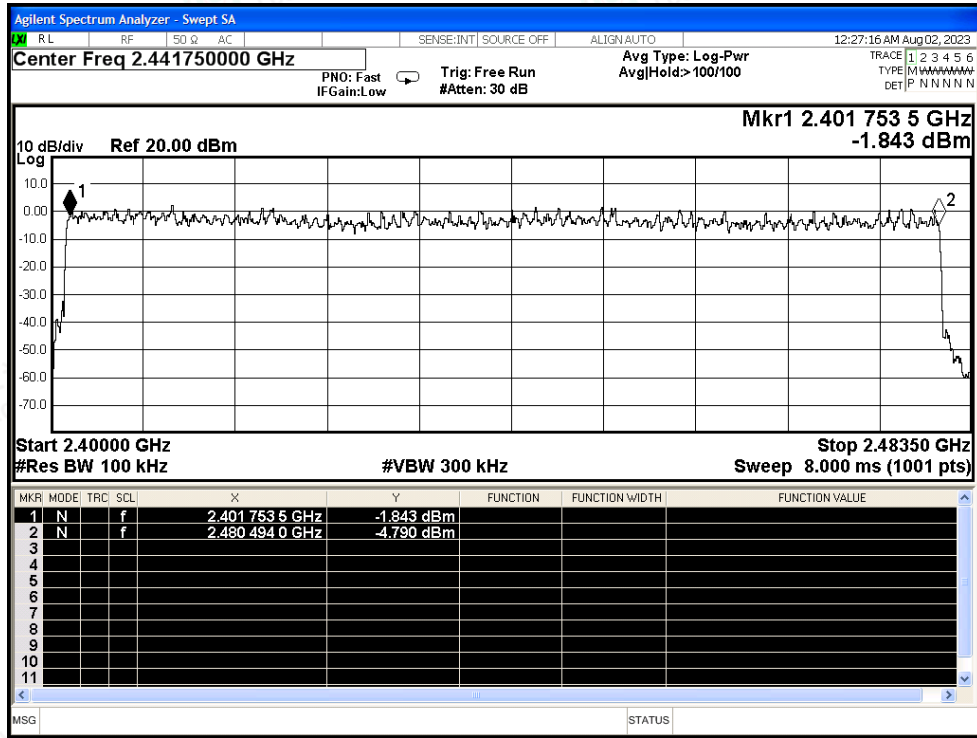


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



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## A.6 Band Edge

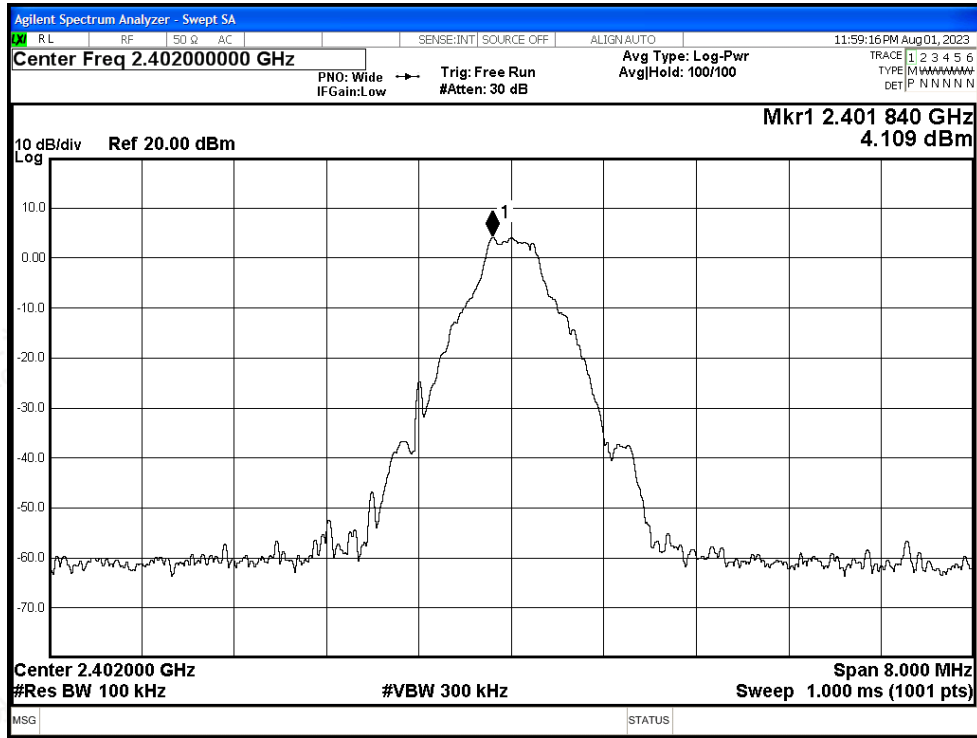
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-60.99	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.7	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.24	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-59.18	-20	Pass



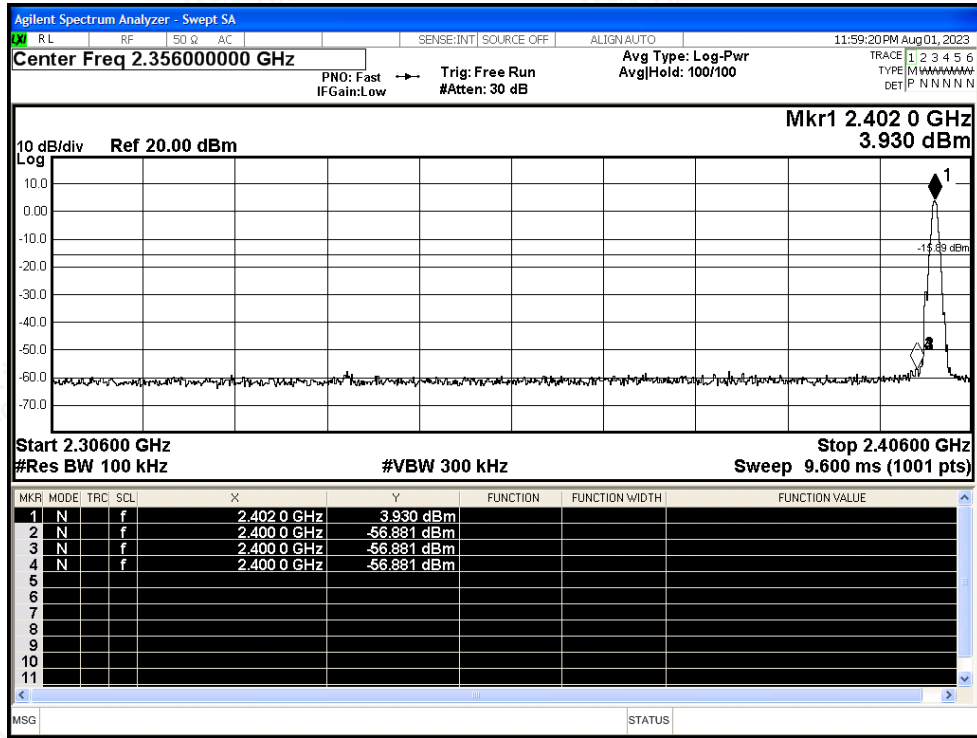


Test Graphs

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



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



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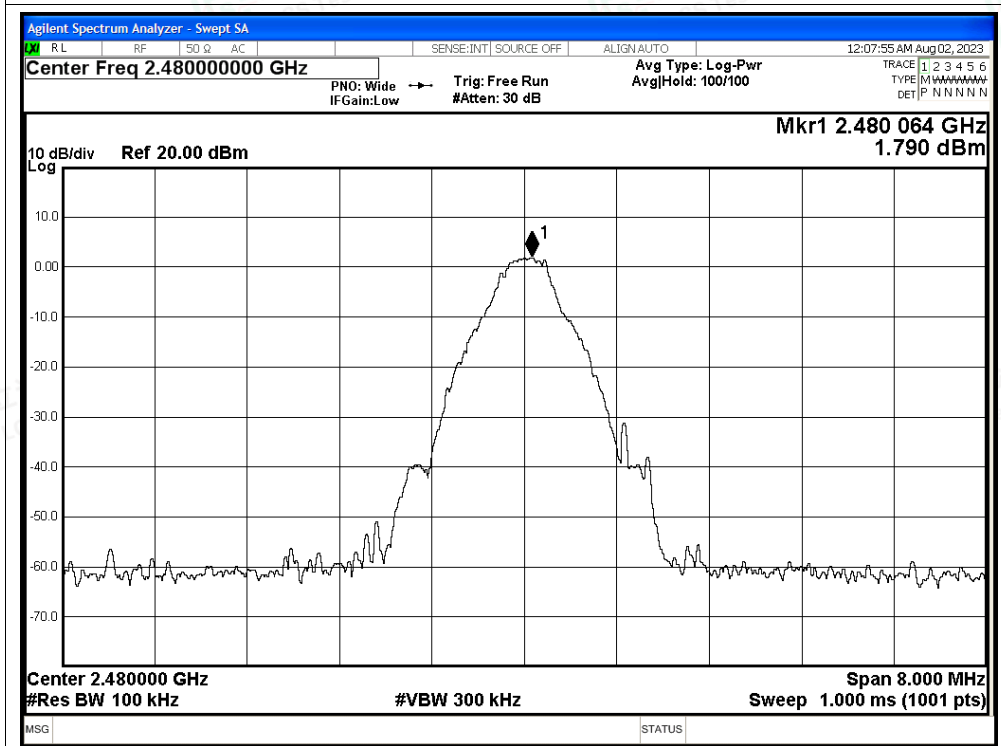
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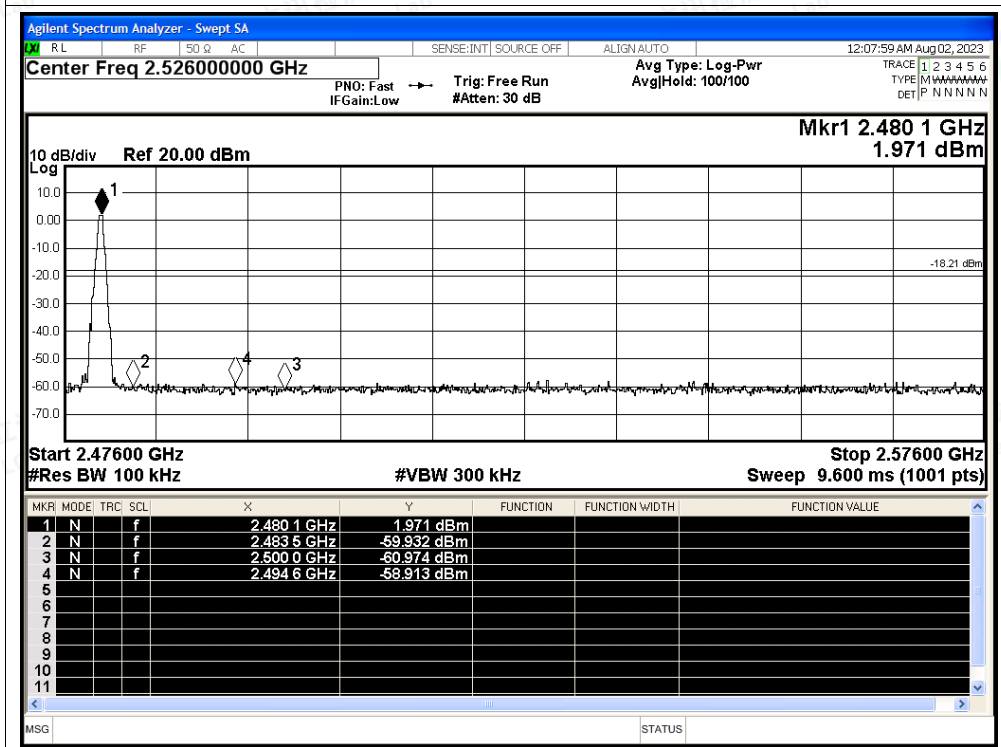
Scan code to check authenticity



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



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



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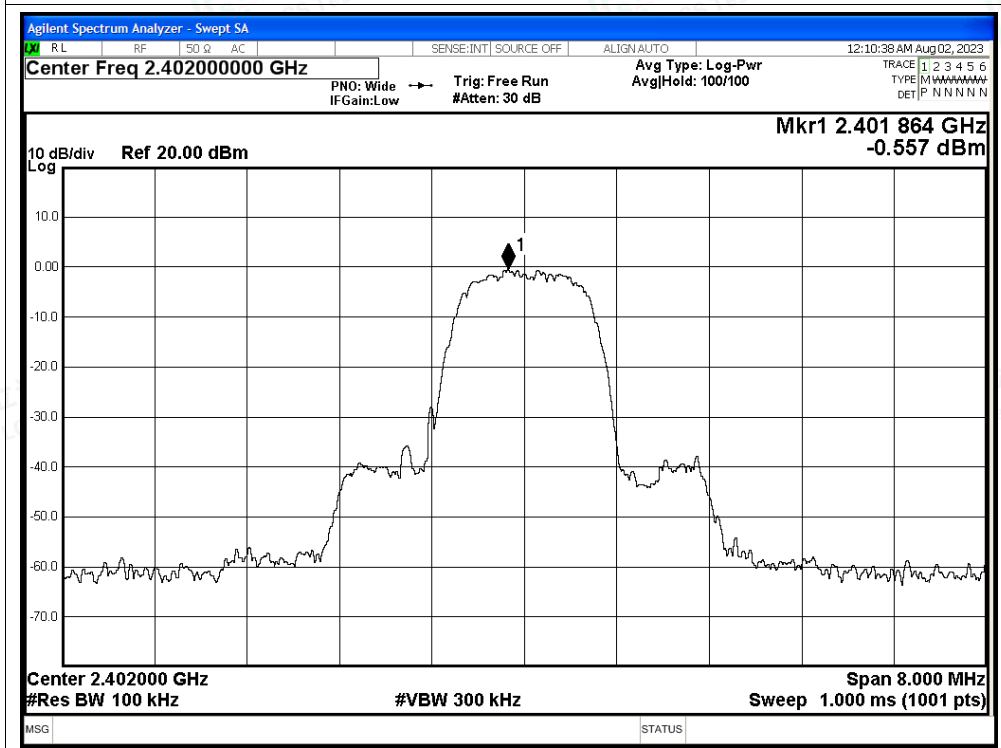
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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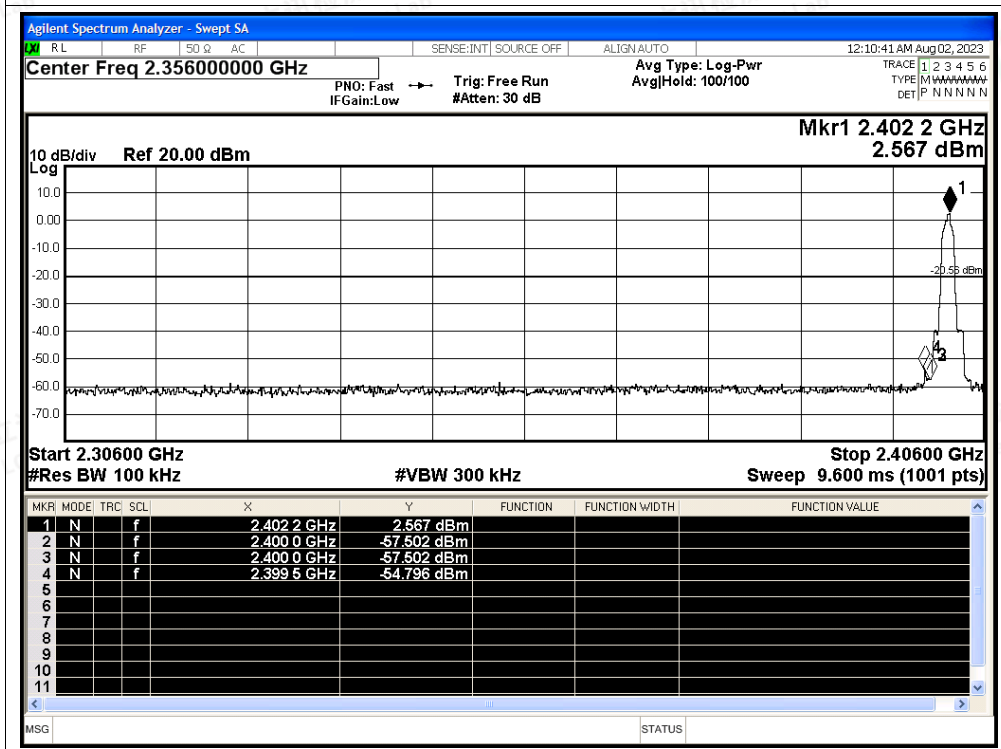
Scan code to check authenticity



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



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



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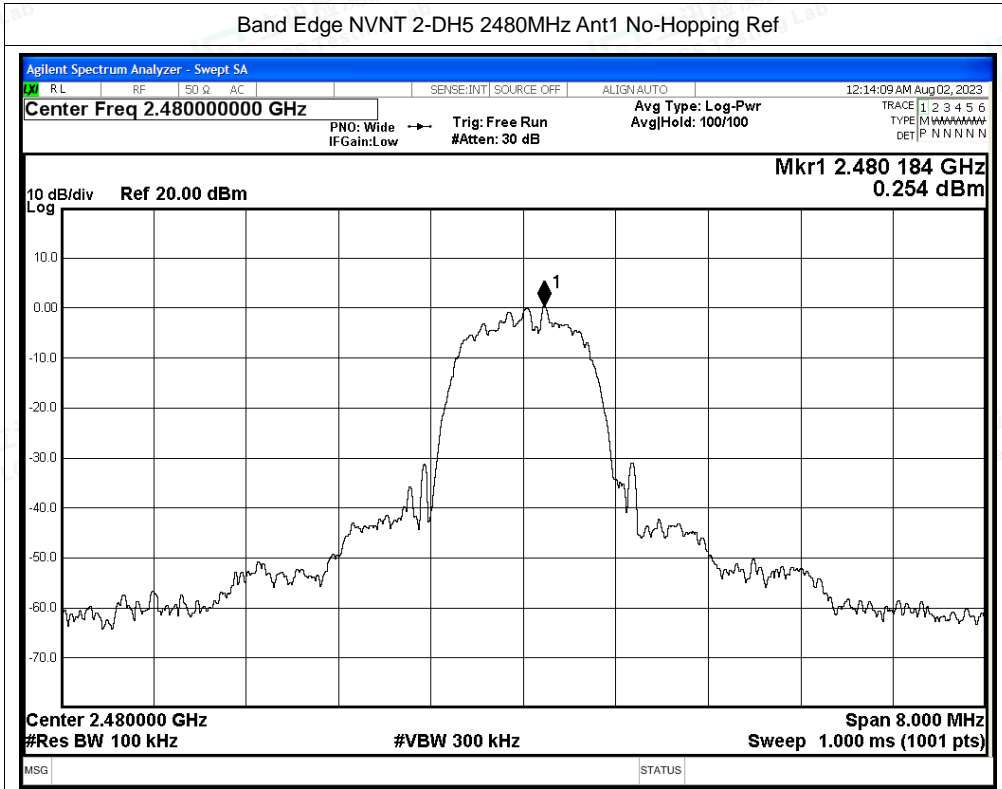
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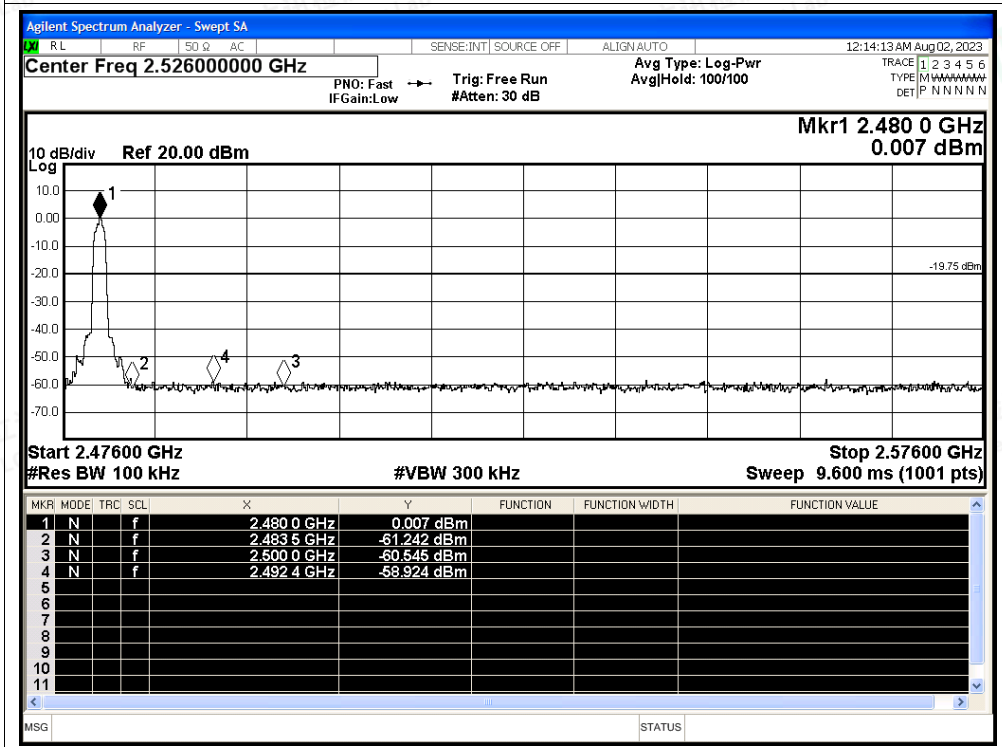
Scan code to check authenticity



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



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



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### (Hopping)

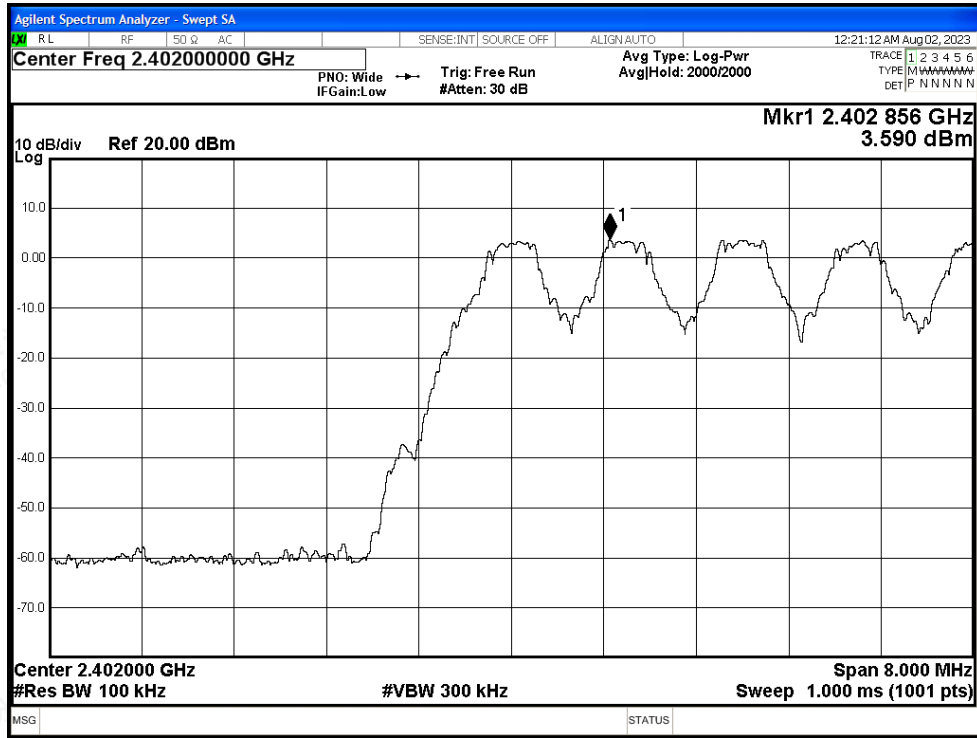
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.87	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-59.2	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-59.26	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.59	-20	Pass



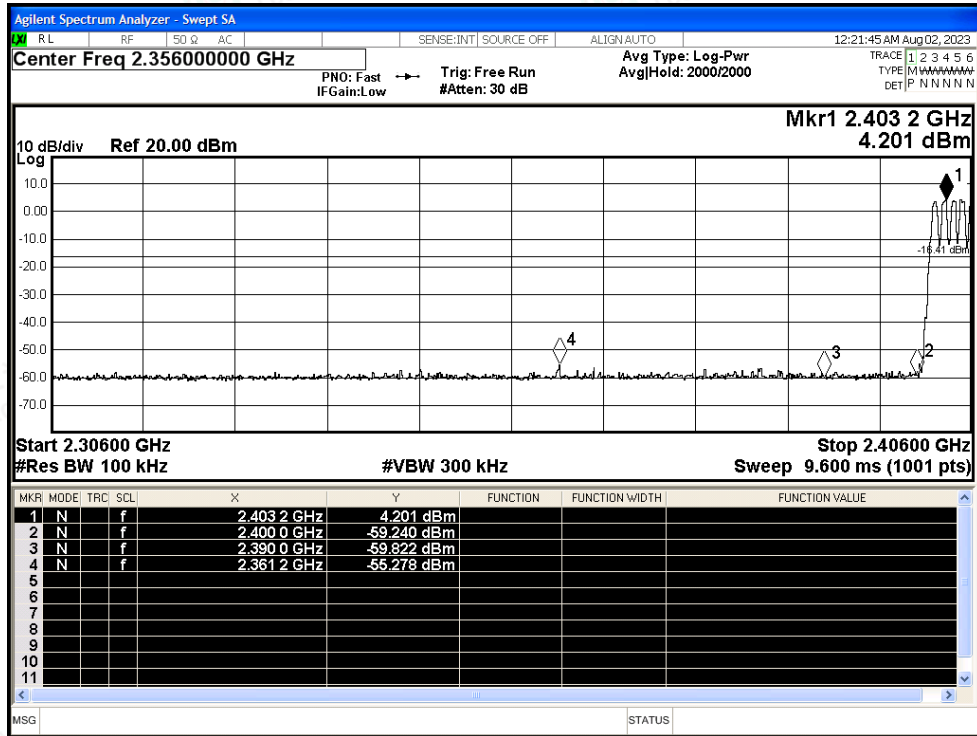


Test Graphs

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



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

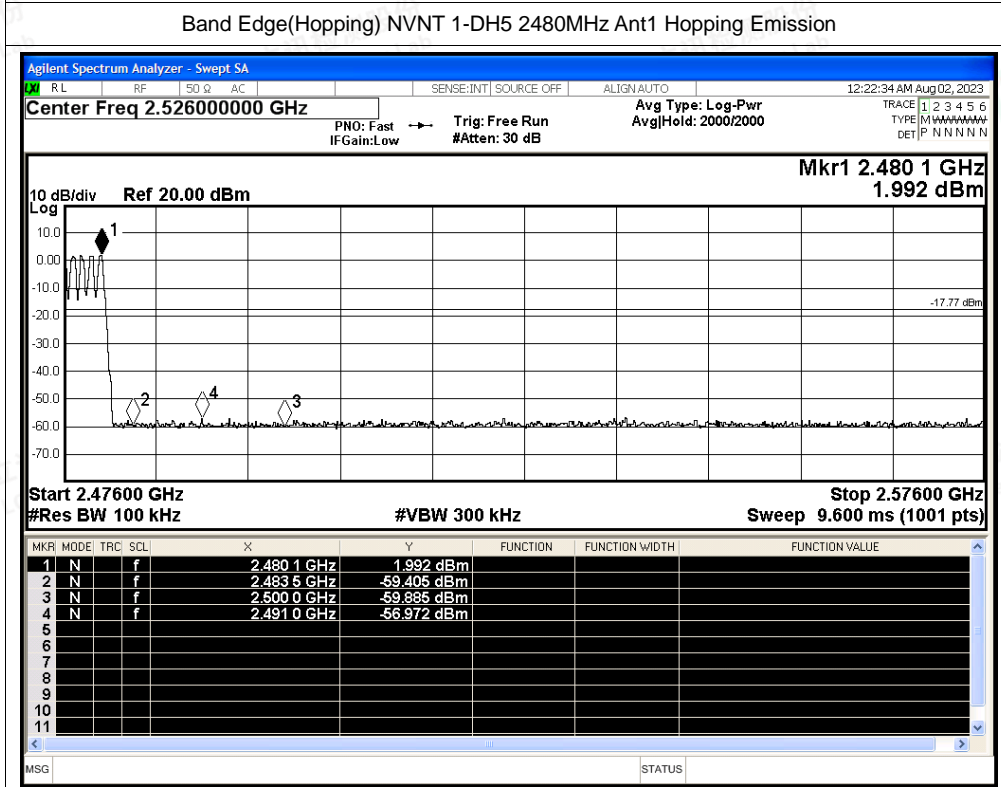
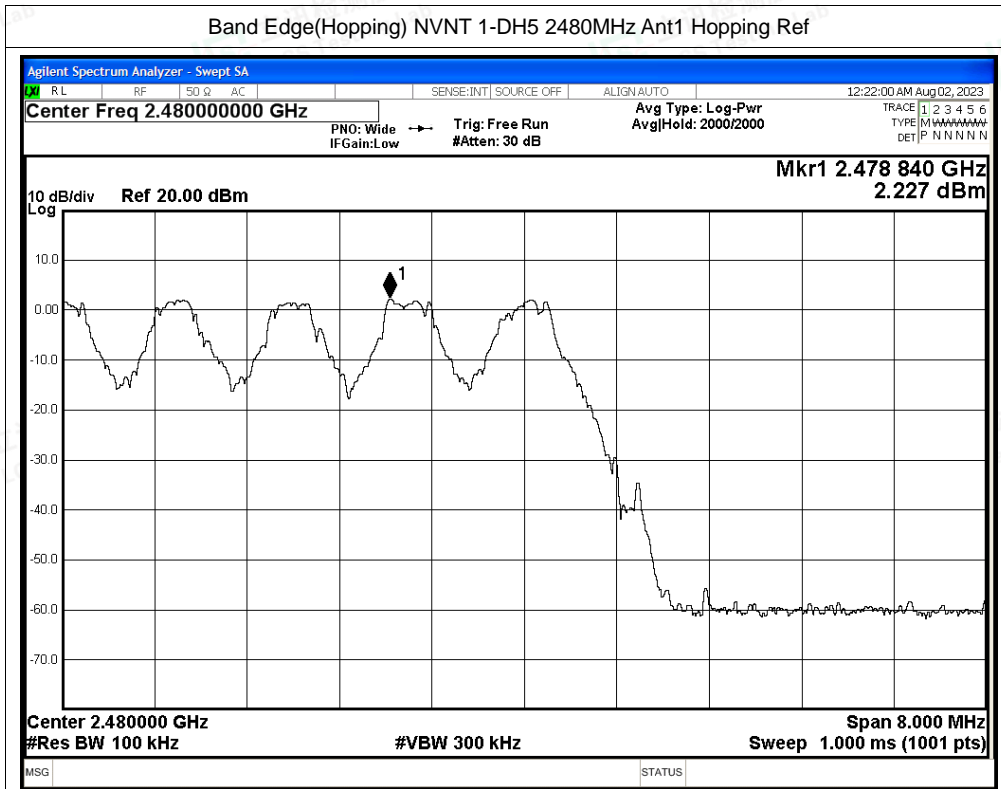


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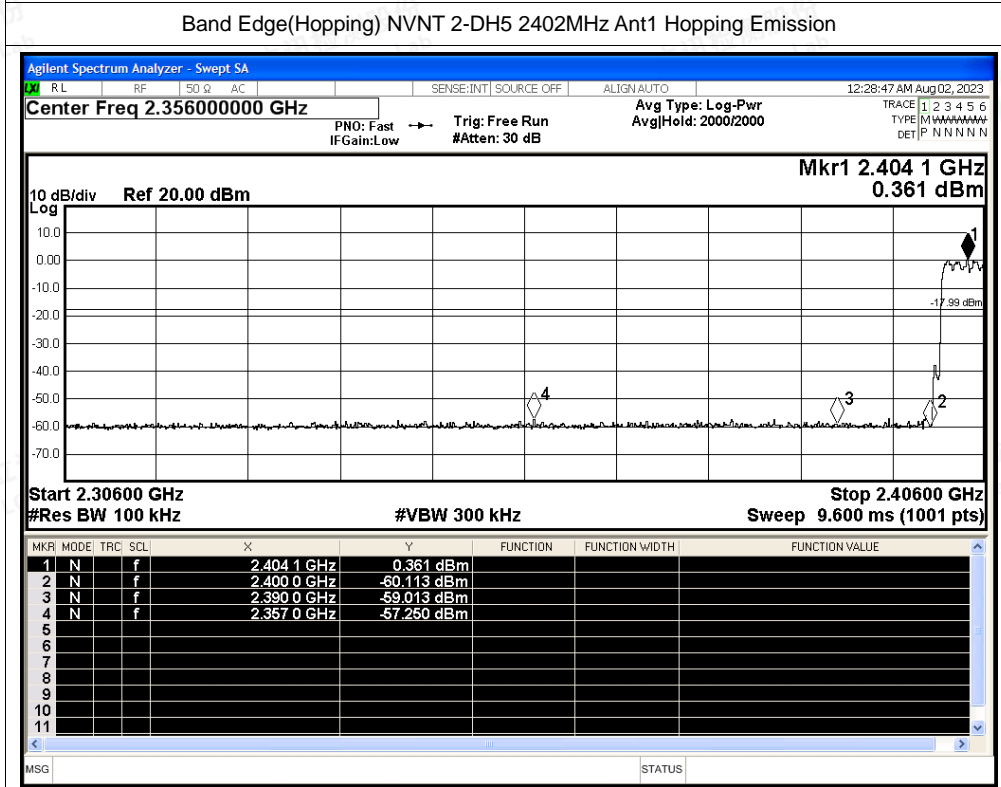
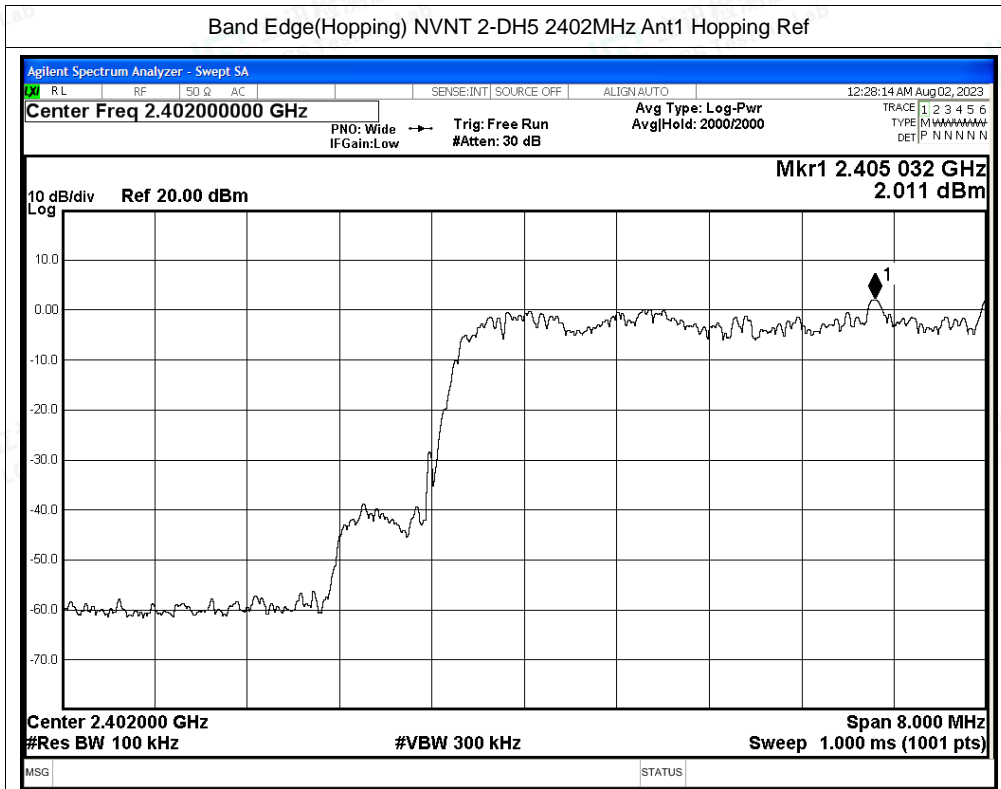
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

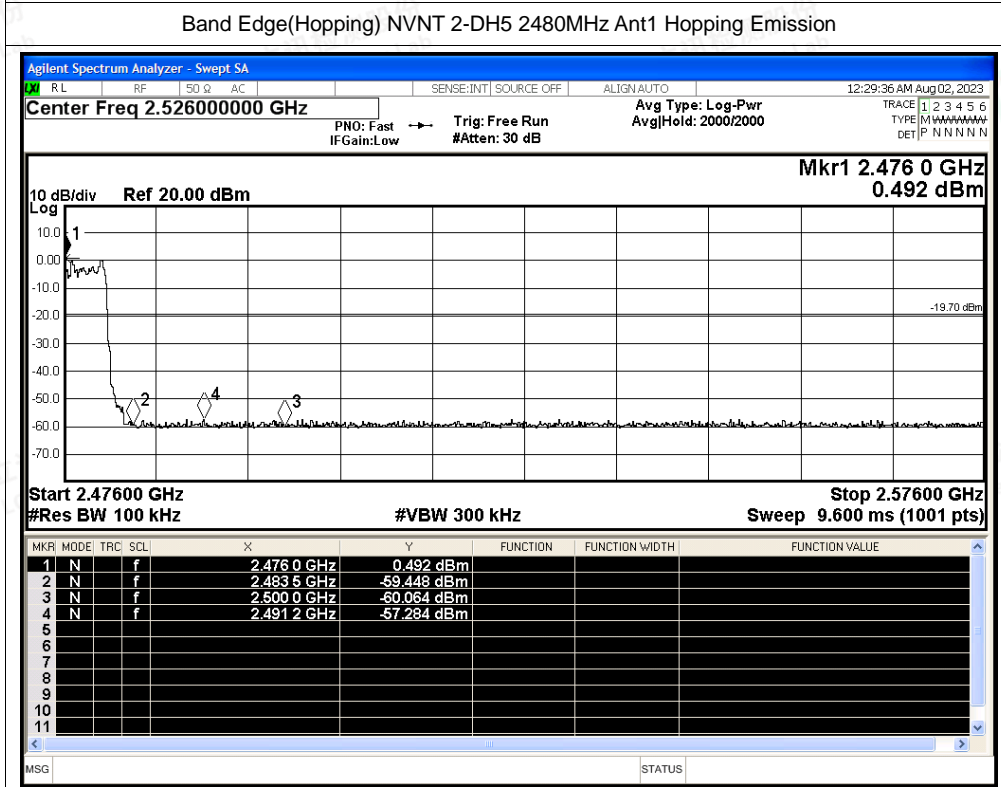
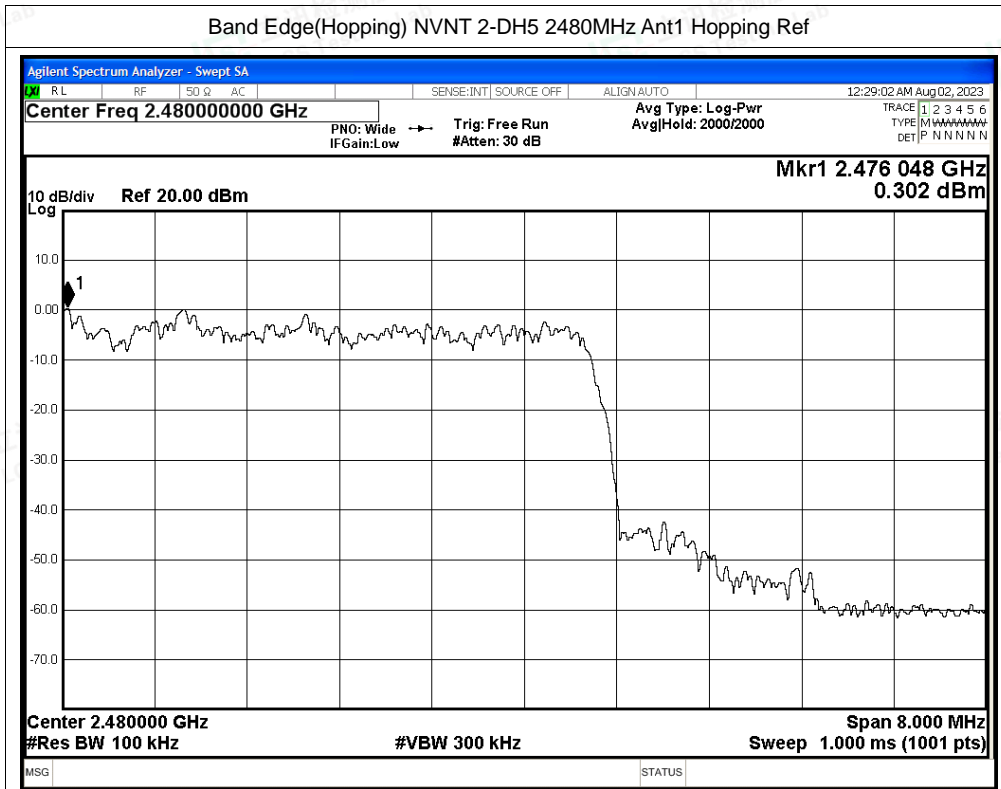
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## A.7 Conducted RF Spurious Emission

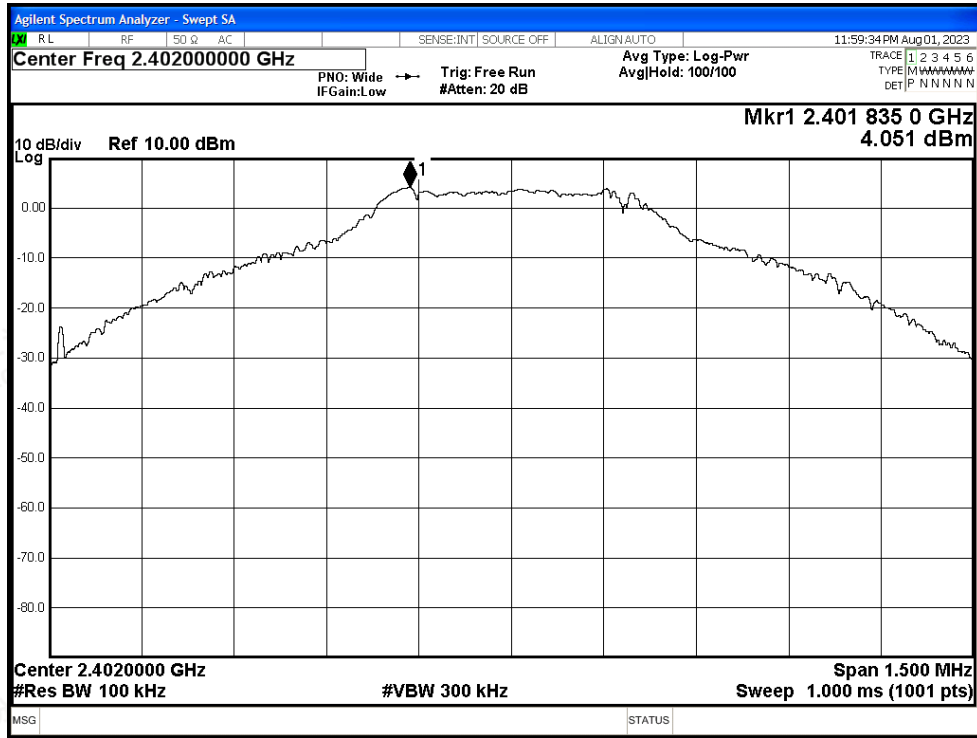
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-58.67	-20	Pass
NVNT	1-DH5	2441	Ant1	-47.02	-20	Pass
NVNT	1-DH5	2480	Ant1	-56.79	-20	Pass
NVNT	2-DH5	2402	Ant1	-57.34	-20	Pass
NVNT	2-DH5	2441	Ant1	-56.19	-20	Pass
NVNT	2-DH5	2480	Ant1	-41.63	-20	Pass



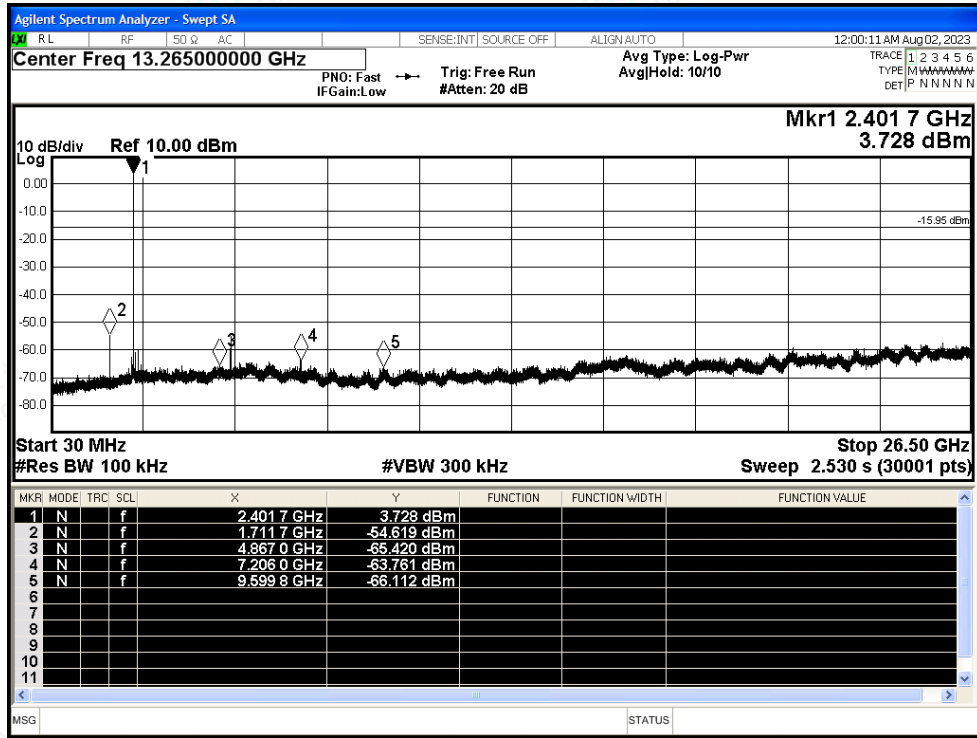


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



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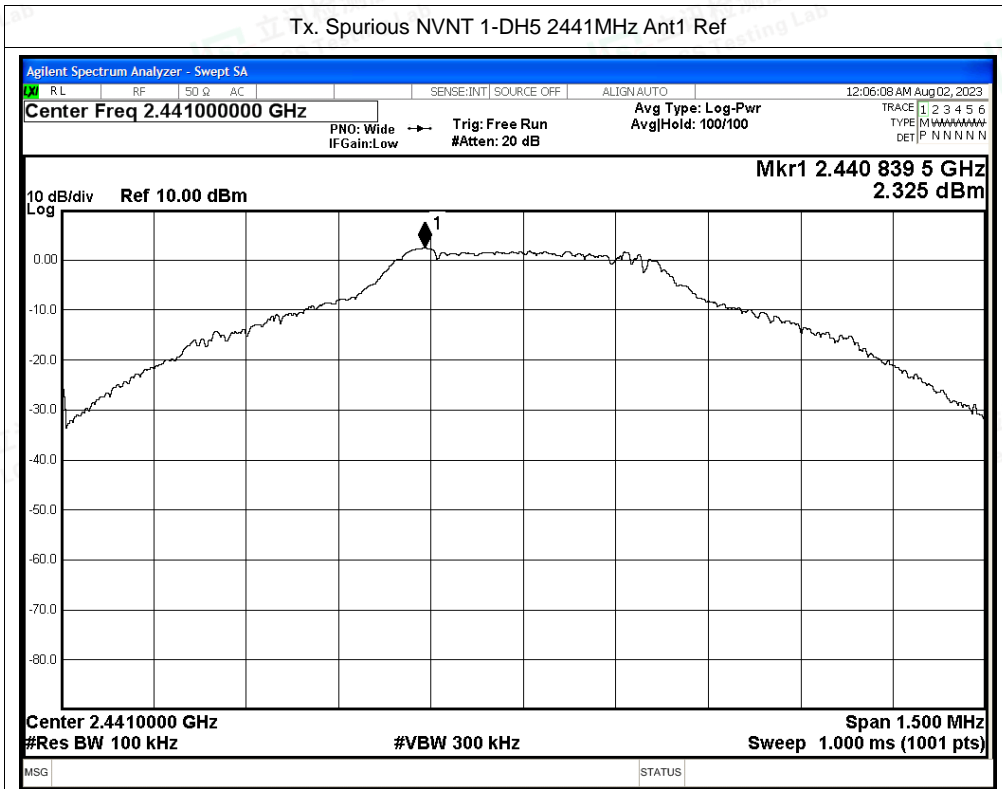
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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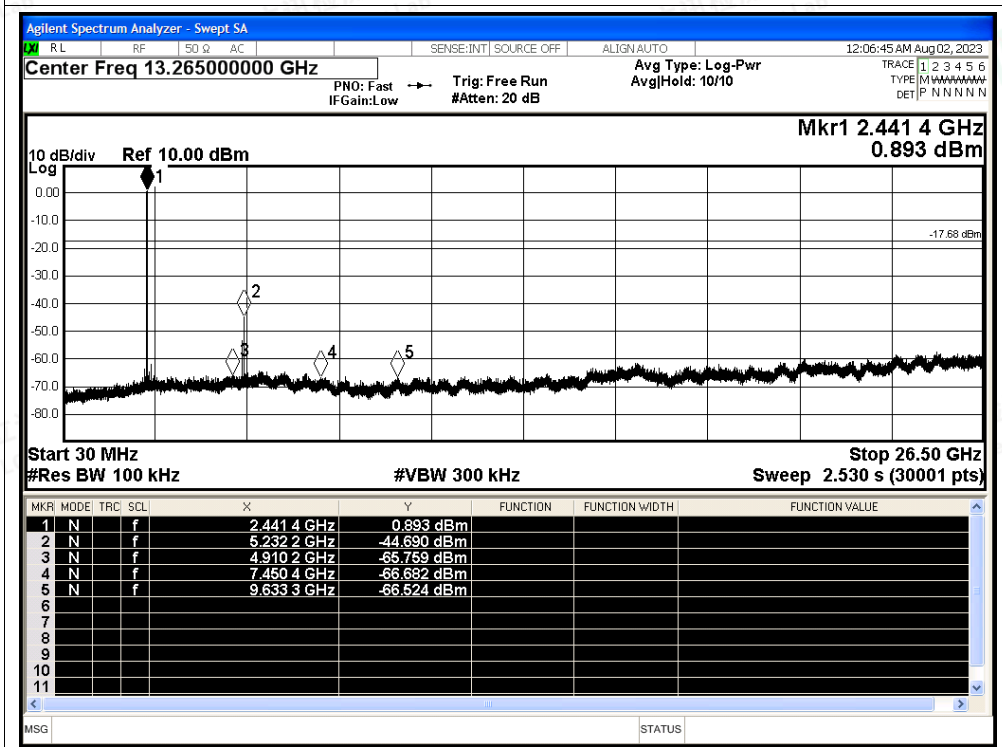
Scan code to check authenticity



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



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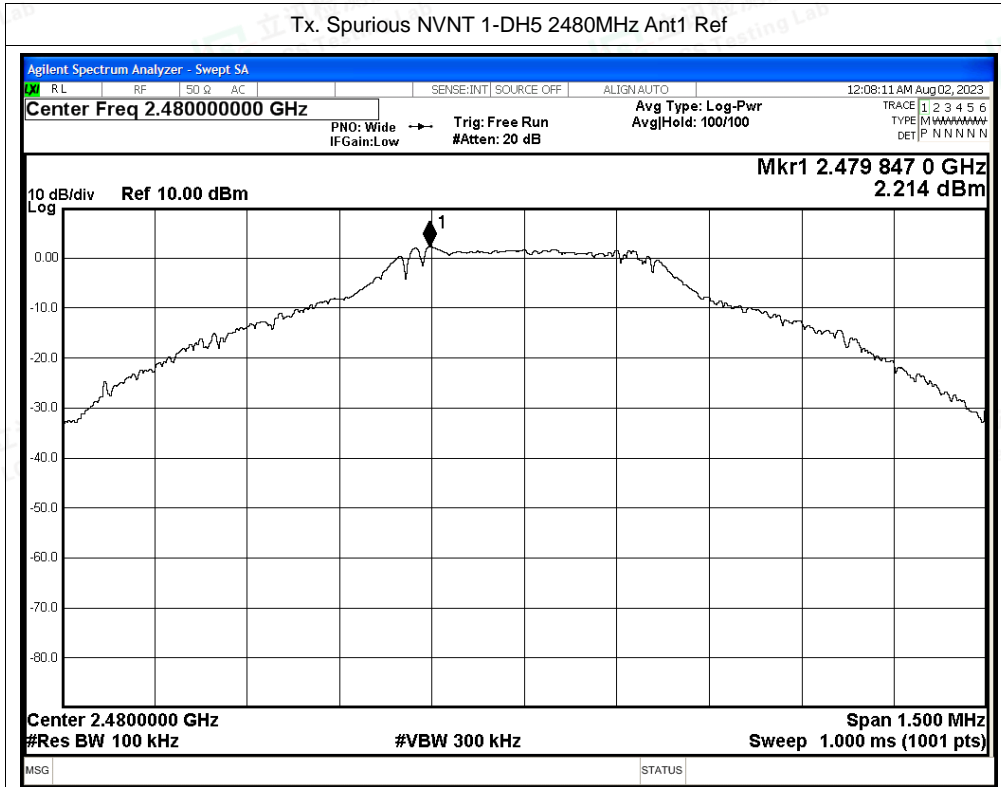
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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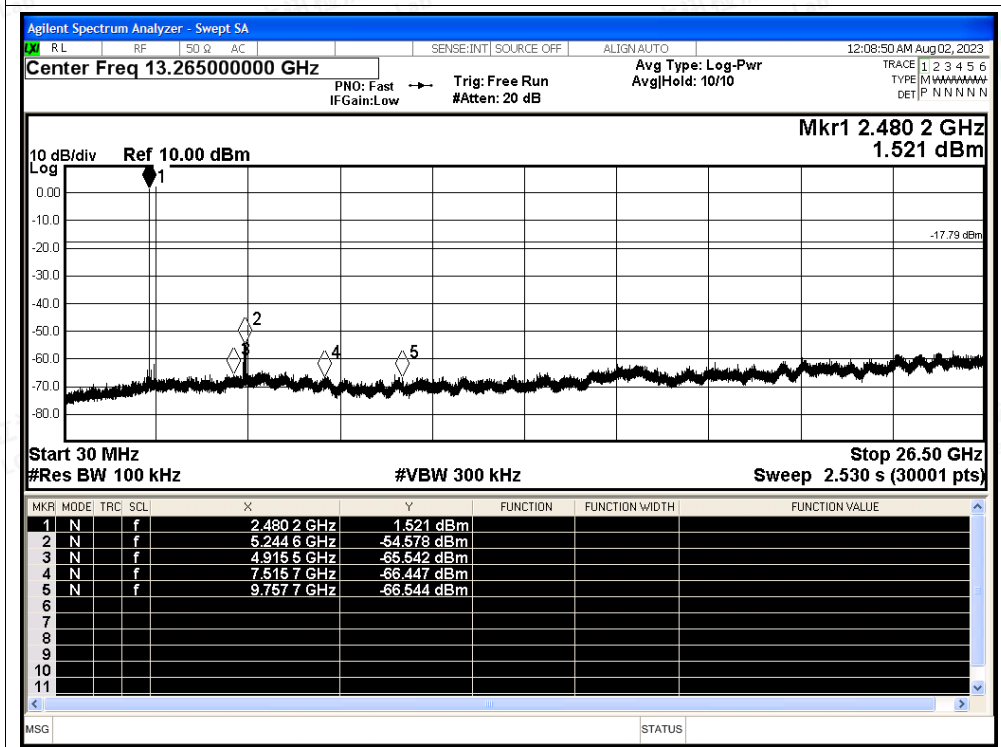
Scan code to check authenticity



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



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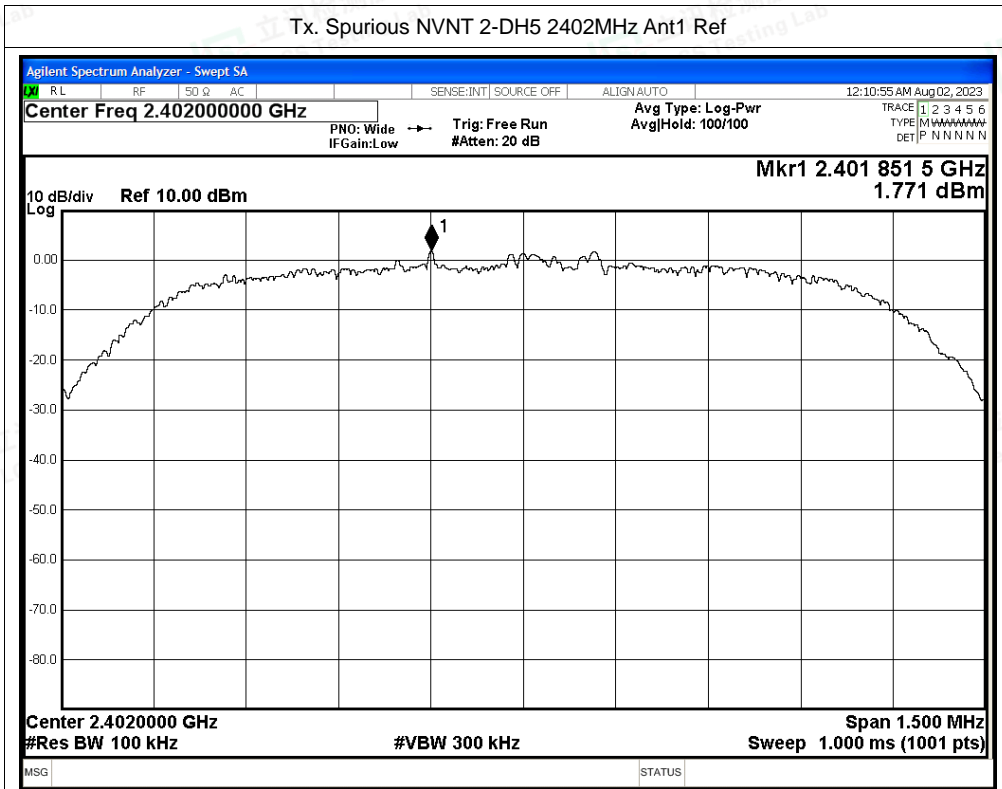
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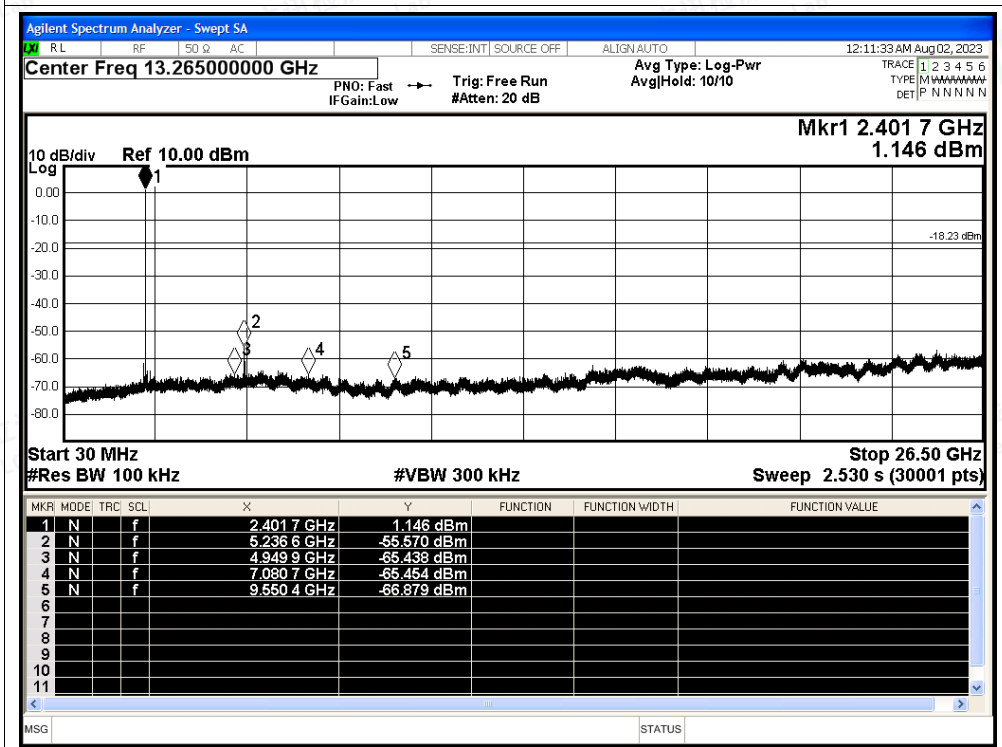
Scan code to check authenticity



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



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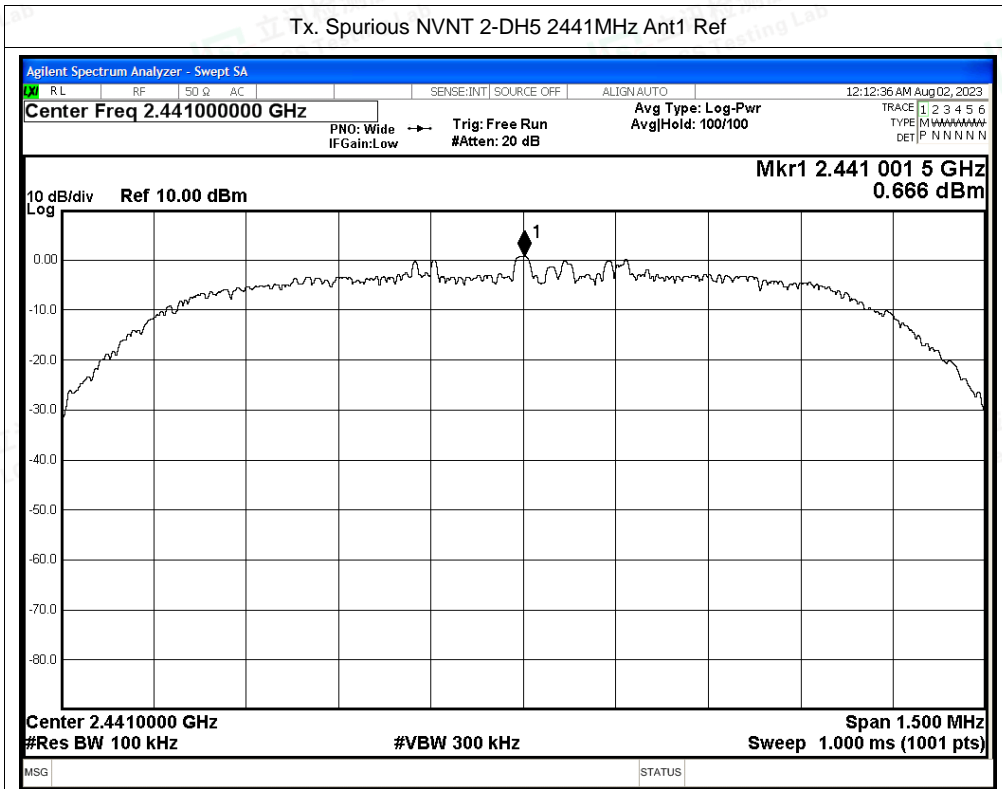
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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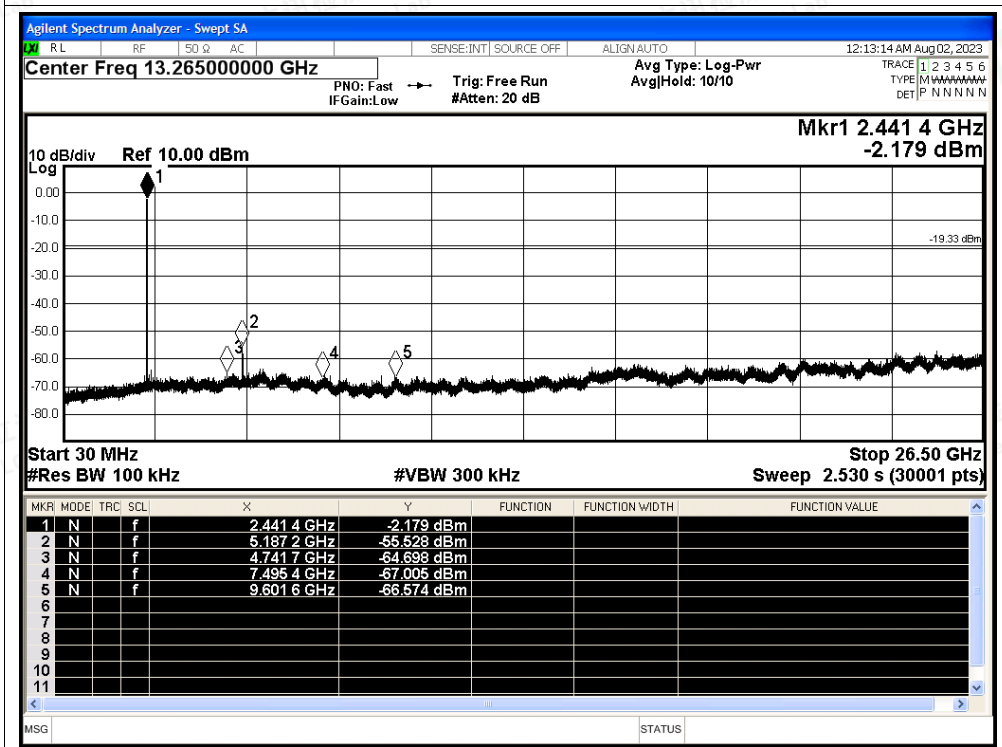
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Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



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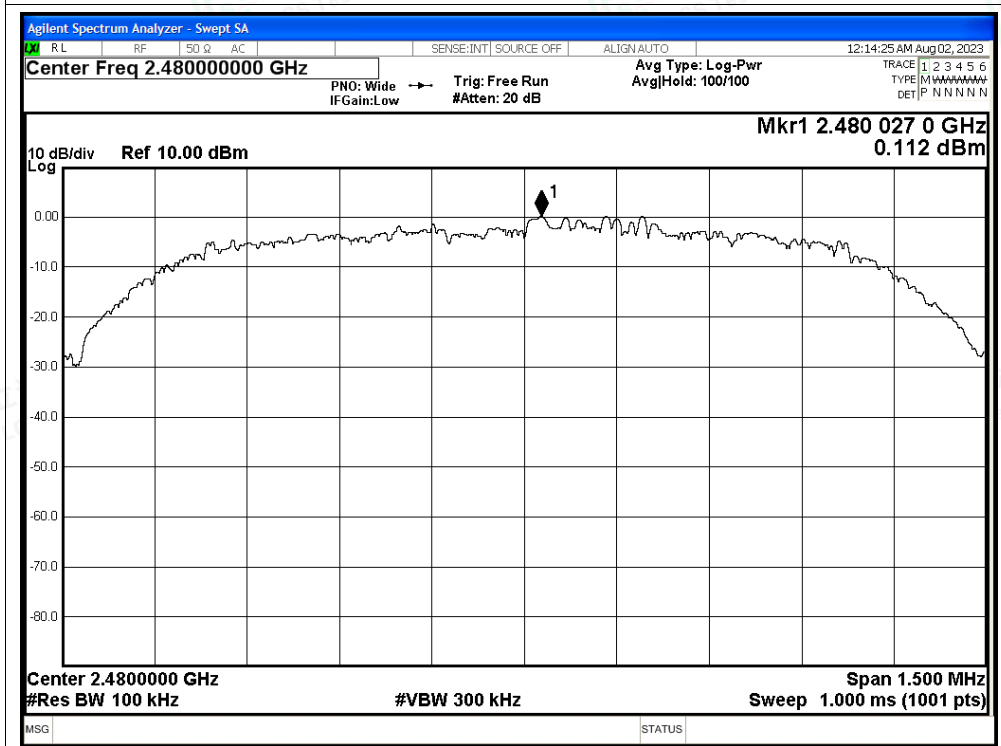
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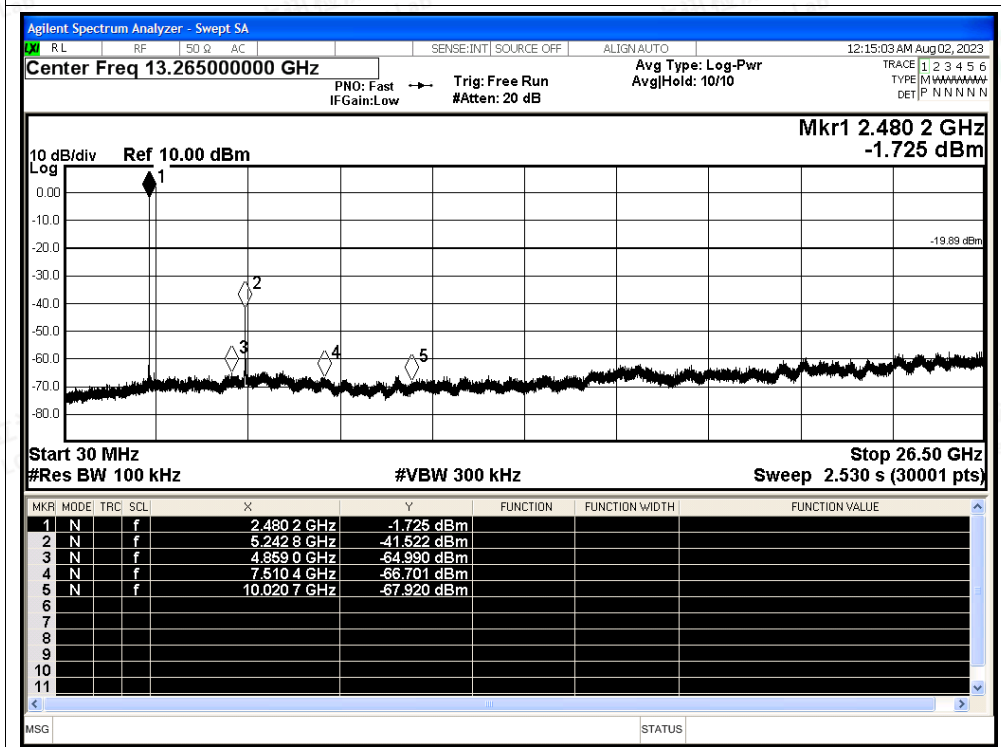




Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



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### 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	-51.47	2.0	48.76	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-61.88	2.0	38.35	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.776	-47.19	2.0	53.04	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2337.936	-59.97	2.0	40.26	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.55	2.0	49.68	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.47	2.0	38.76	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.78	2.0	49.45	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-60.51	2.0	39.72	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.264	-42.66	2.0	57.57	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-60.51	2.0	39.72	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.54	2.0	48.69	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.57	2.0	38.66	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.65	2.0	47.58	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-61.87	2.0	38.36	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2373.552	-48.95	2.0	51.28	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2338.224	-60.77	2.0	39.46	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.34	2.0	48.89	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.47	2.0	38.76	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49	2.0	51.23	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-60.04	2.0	40.19	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.928	-42.63	2.0	57.60	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-60.04	2.0	40.19	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-52.14	2.0	48.09	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.42	2.0	38.81	Average	54	Pass

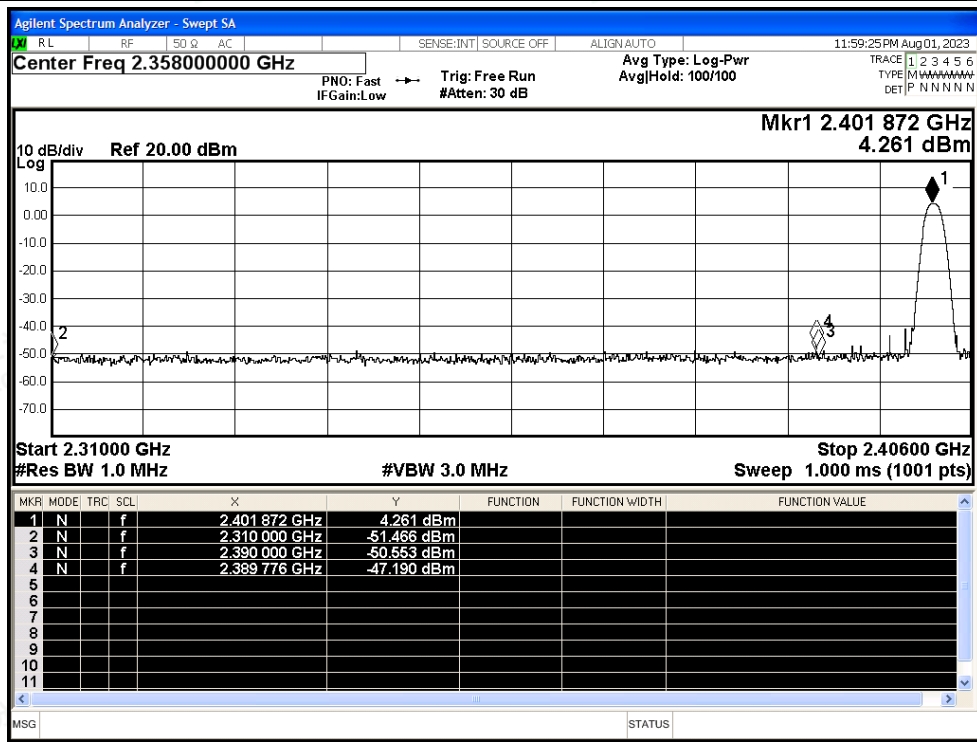


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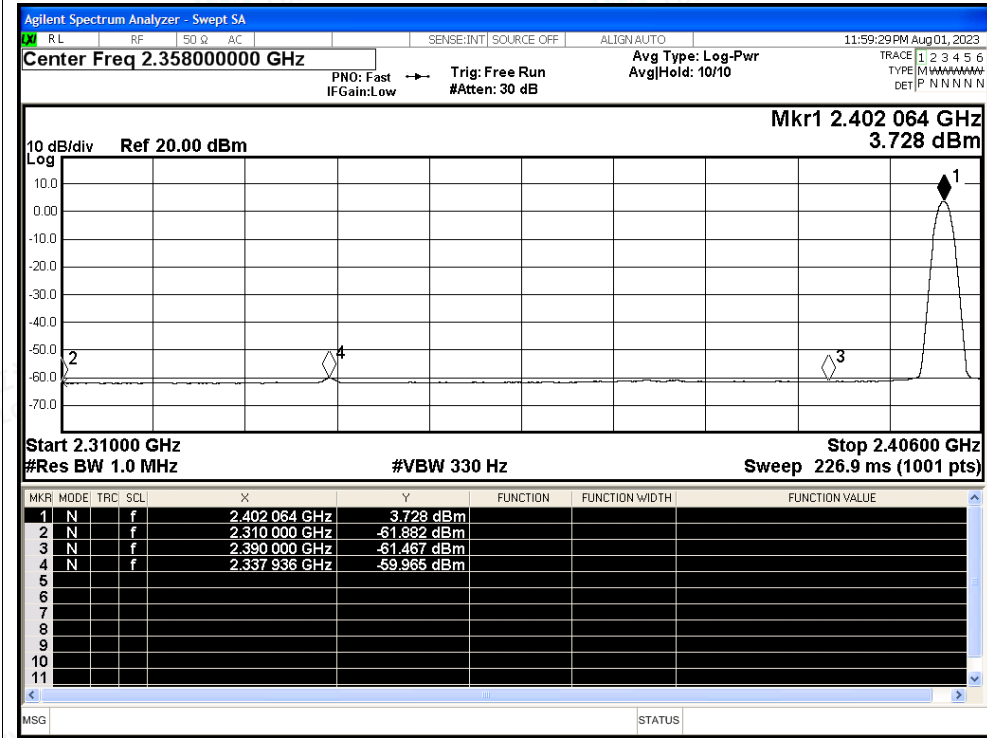


Test Graphs

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



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



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