



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: MOBILE PHONE

Test Model: CONDOR

Environmental Conditions

Temperature:	25.2°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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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	1.011	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.941	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.002	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.287	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.284	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.288	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.297	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.297	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.299	N/A	Pass



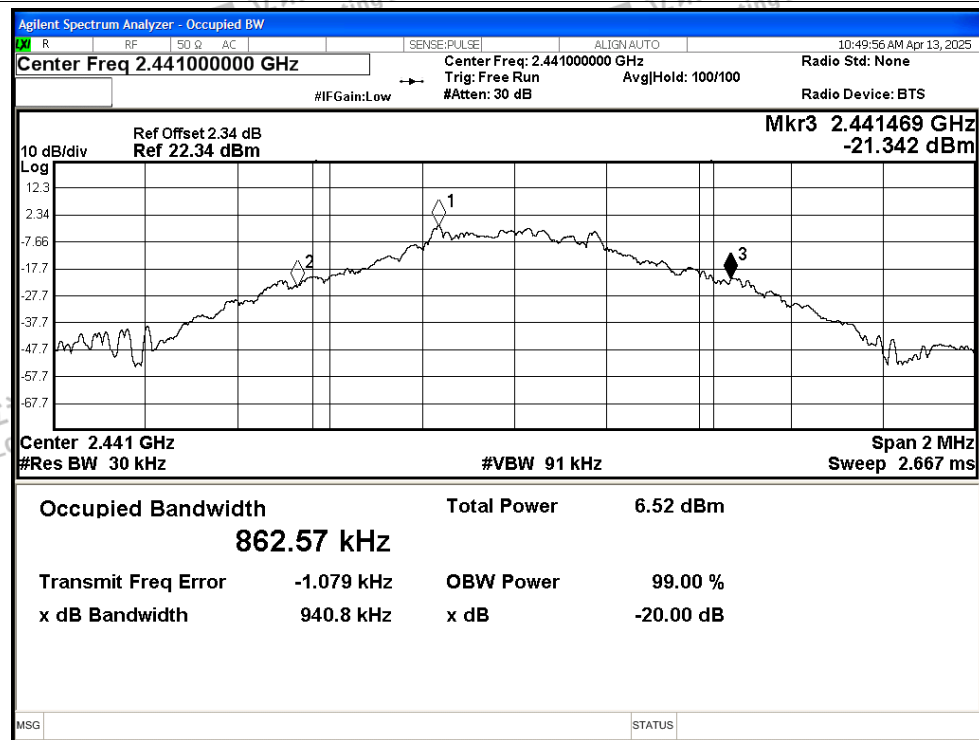


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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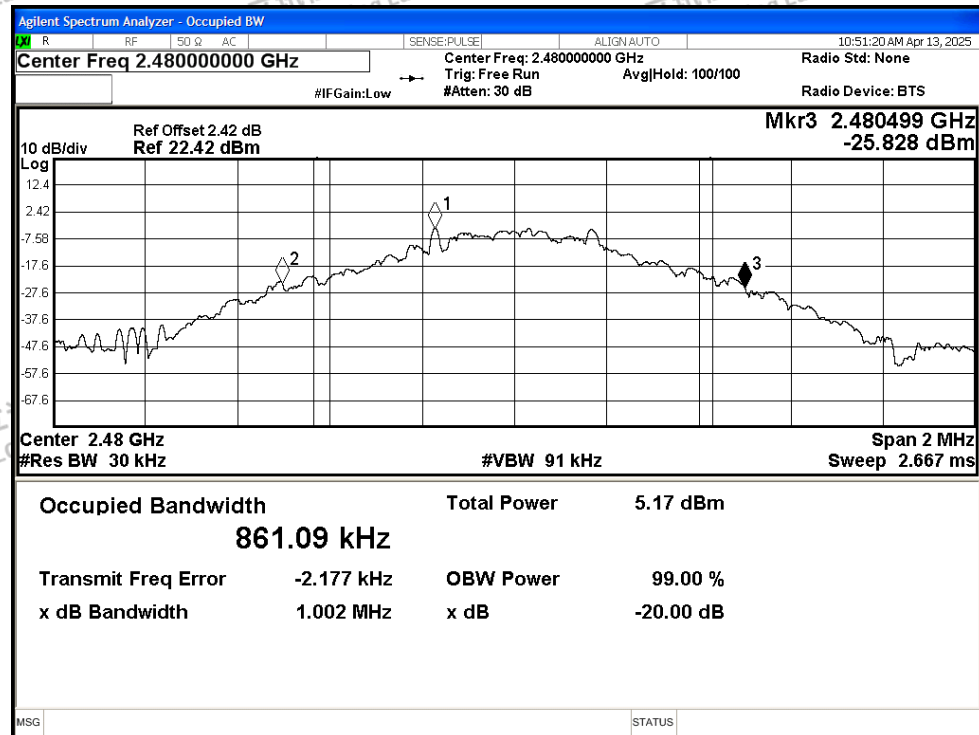
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

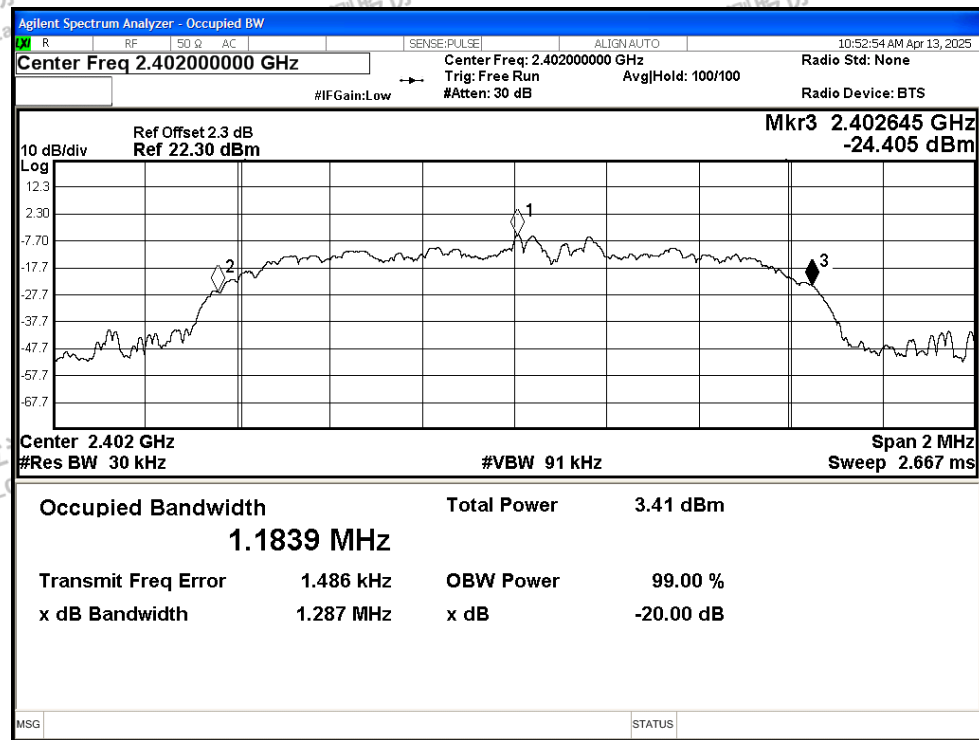
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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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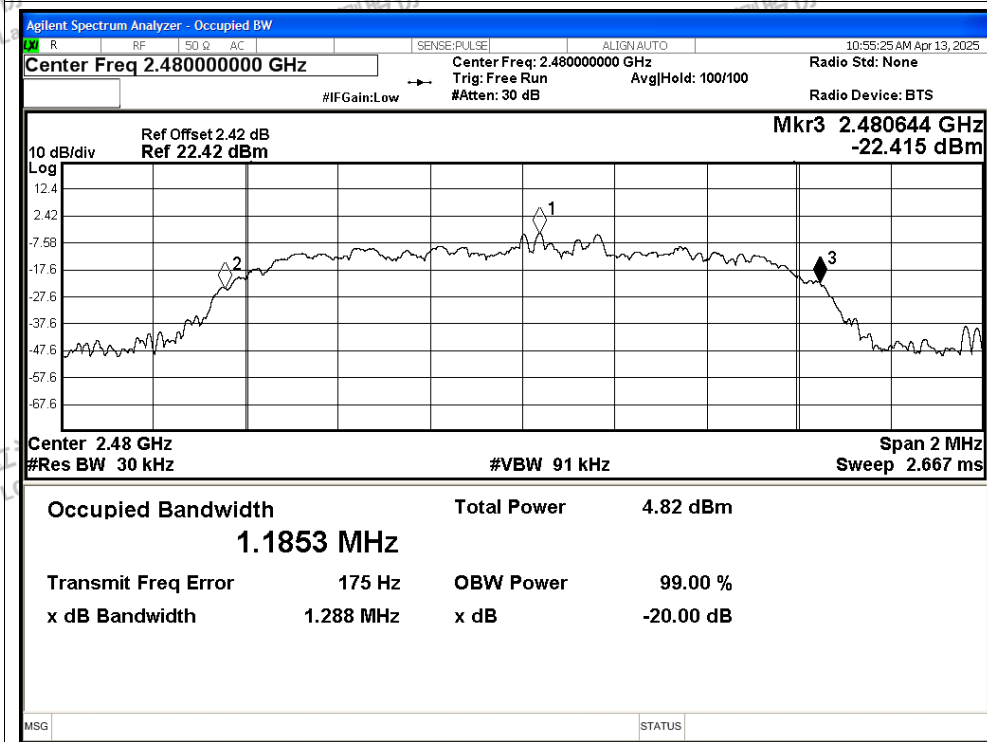
Scan code to check authenticity



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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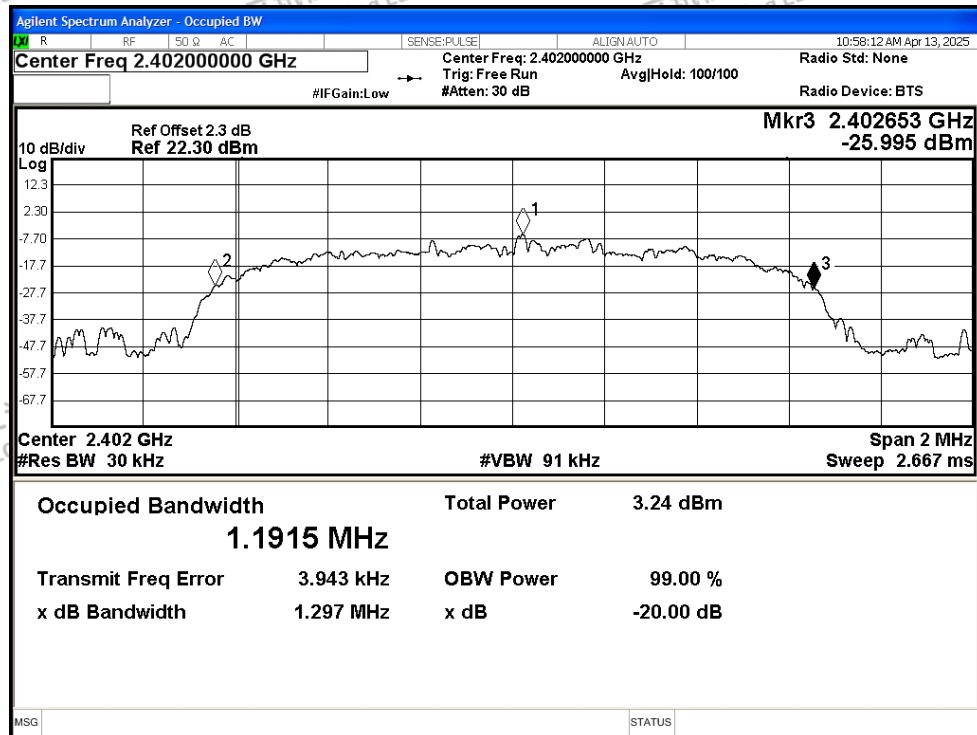
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

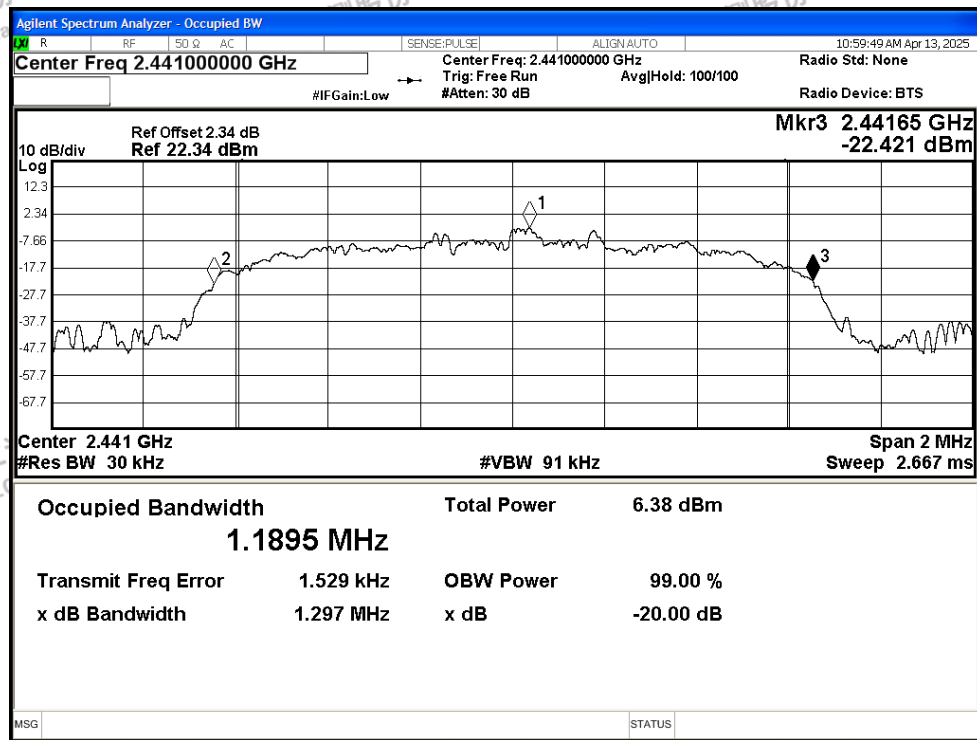
Scan code to check authenticity



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



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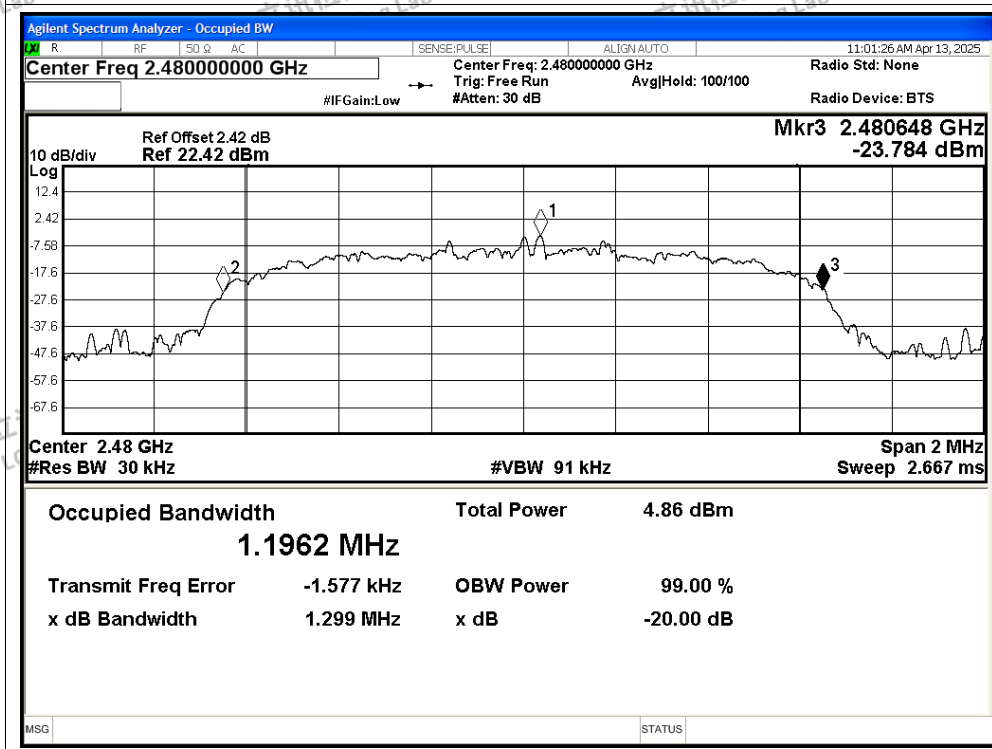
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-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



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A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.3	21	Pass
NVNT	1-DH5	2441	Ant1	-0.09	21	Pass
NVNT	1-DH5	2480	Ant1	-1.5	21	Pass
NVNT	2-DH5	2402	Ant1	-0.97	21	Pass
NVNT	2-DH5	2441	Ant1	1.78	21	Pass
NVNT	2-DH5	2480	Ant1	0.62	21	Pass
NVNT	3-DH5	2402	Ant1	-0.52	21	Pass
NVNT	3-DH5	2441	Ant1	2.16	21	Pass
NVNT	3-DH5	2480	Ant1	0.97	21	Pass

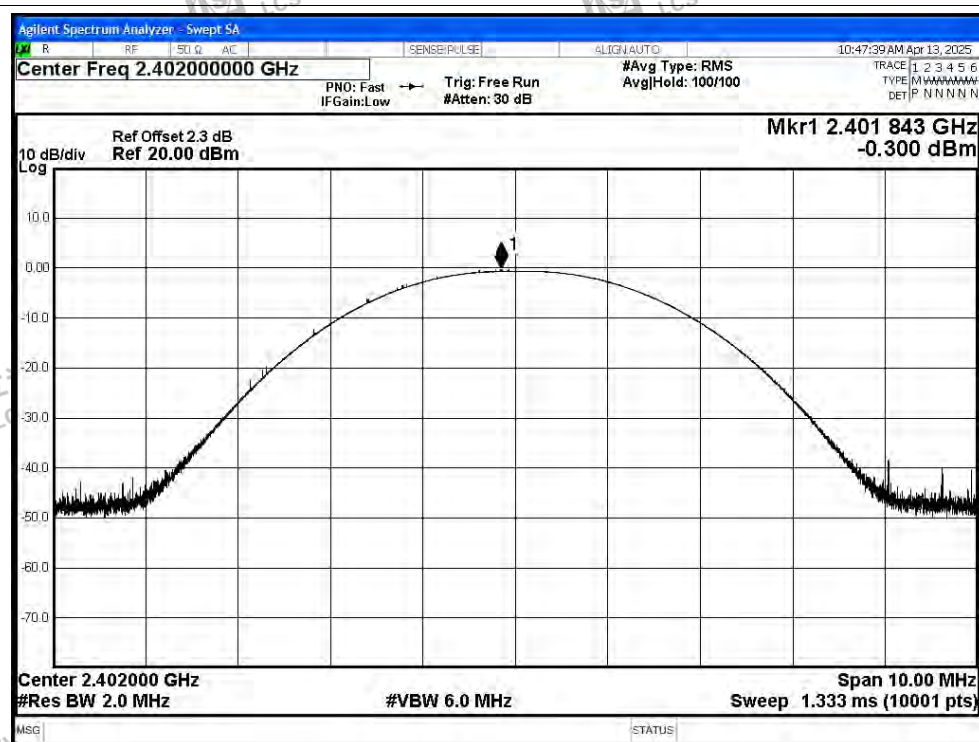


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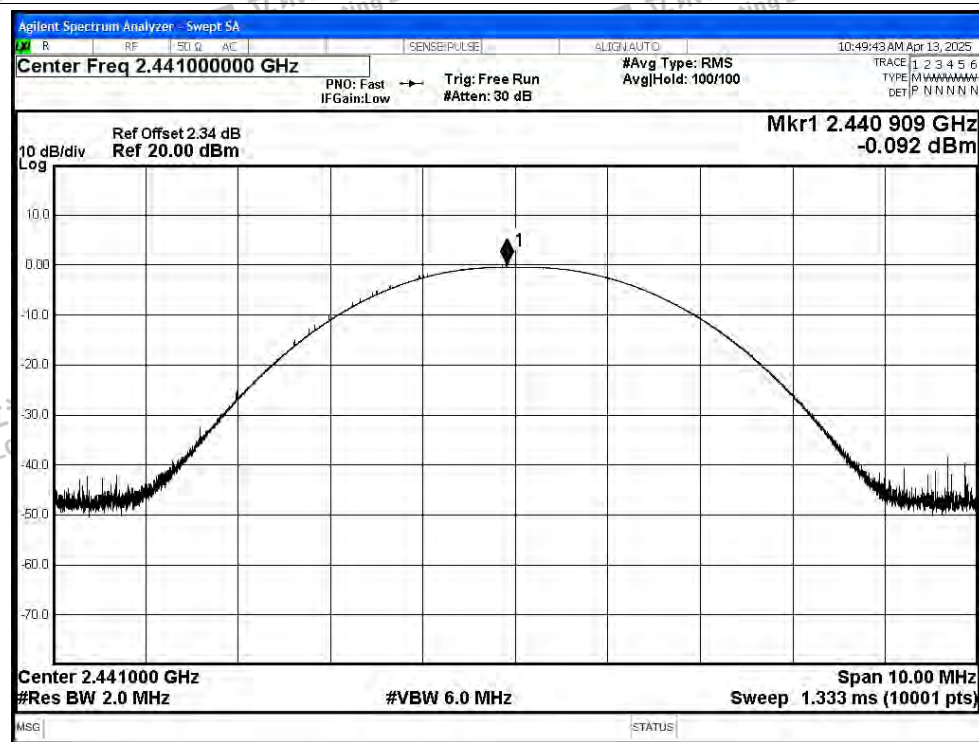


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1



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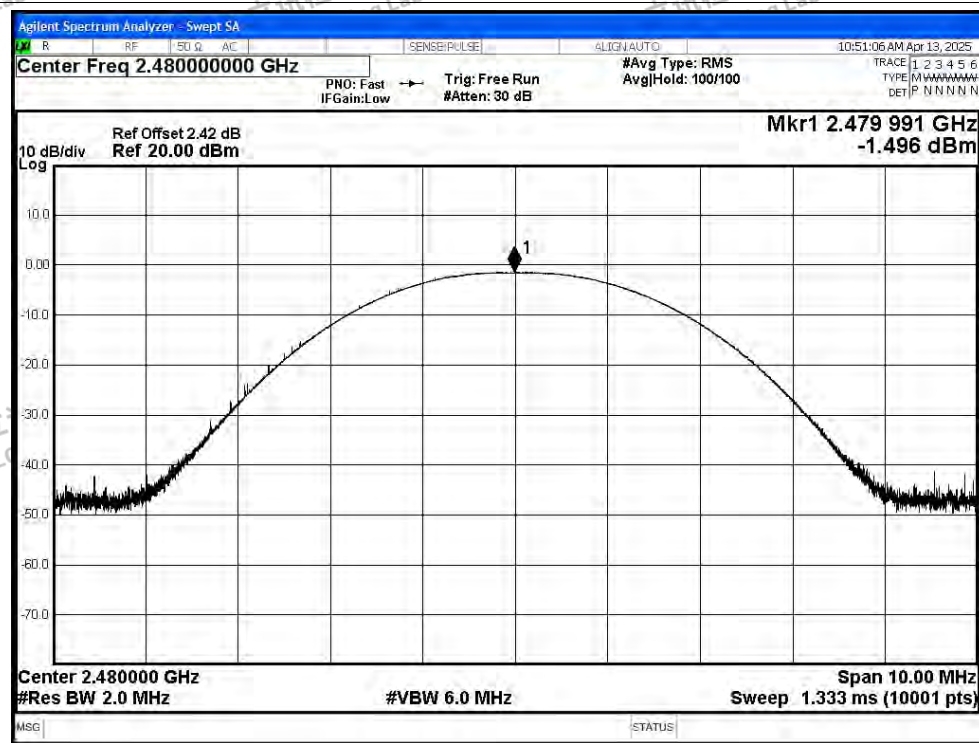
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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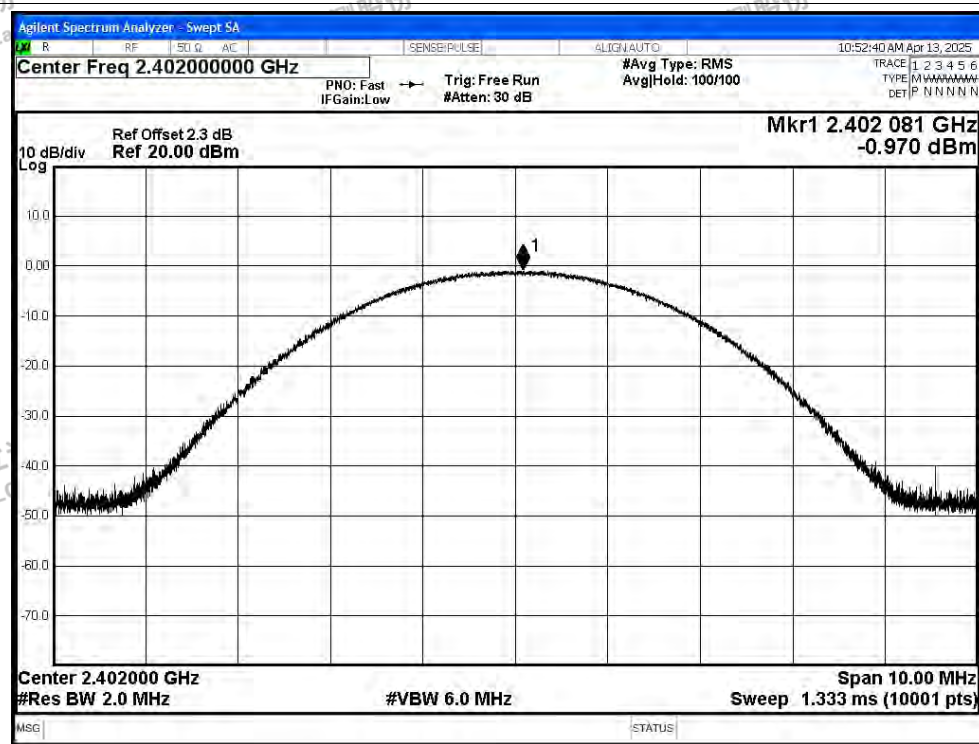
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Power NVNT 1-DH5 2480MHz Ant1

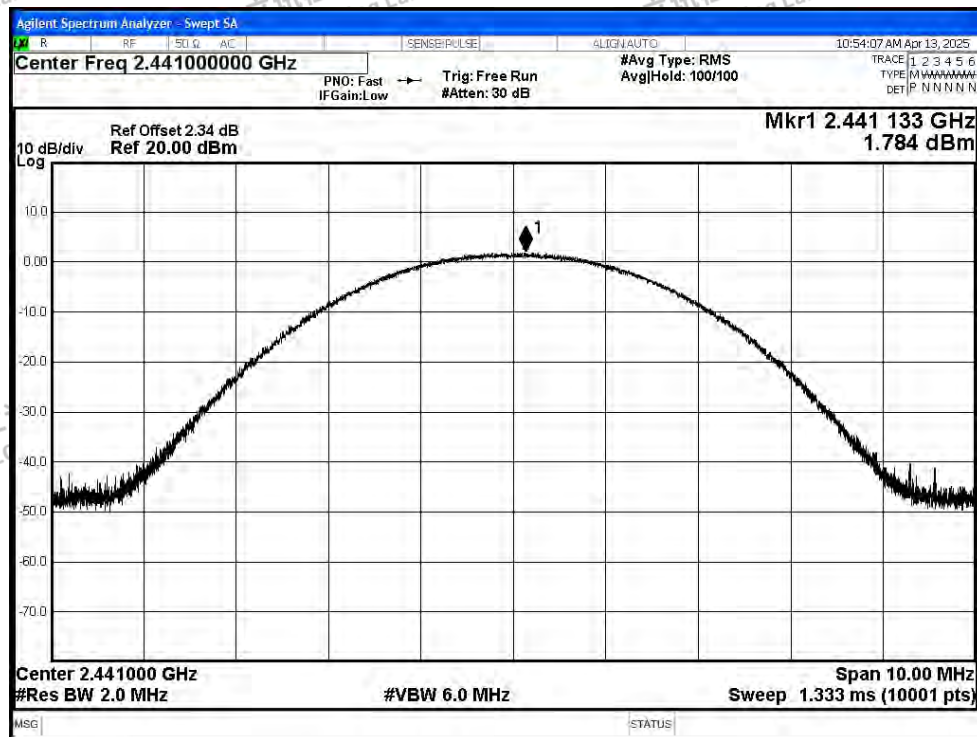


Power NVNT 2-DH5 2402MHz Ant1

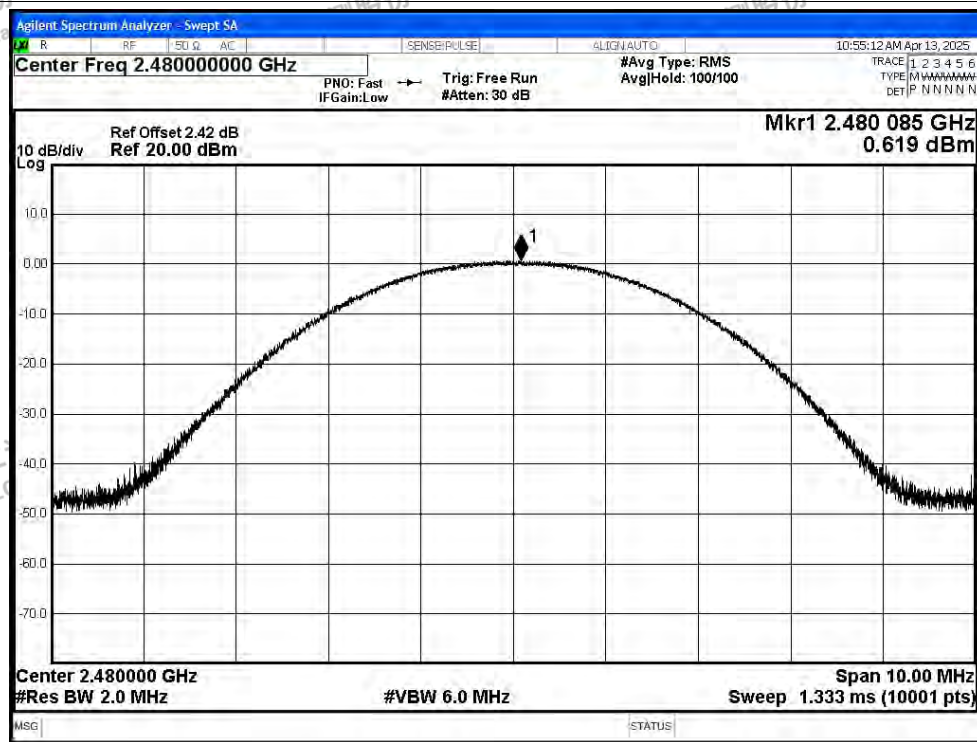




Power NVNT 2-DH5 2441MHz Ant1

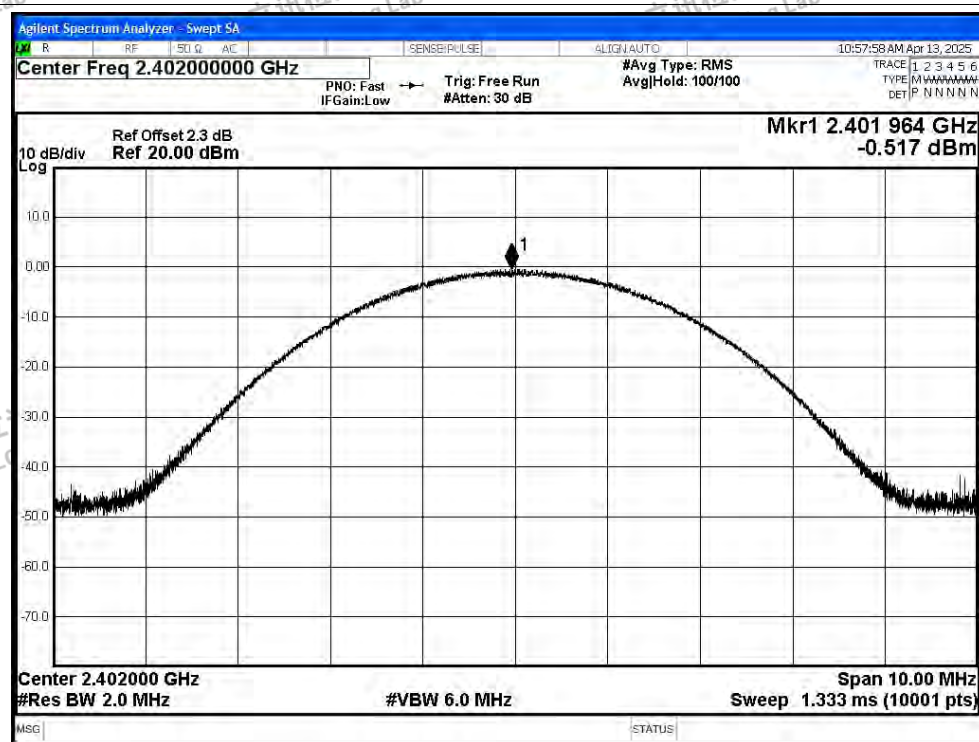


Power NVNT 2-DH5 2480MHz Ant1

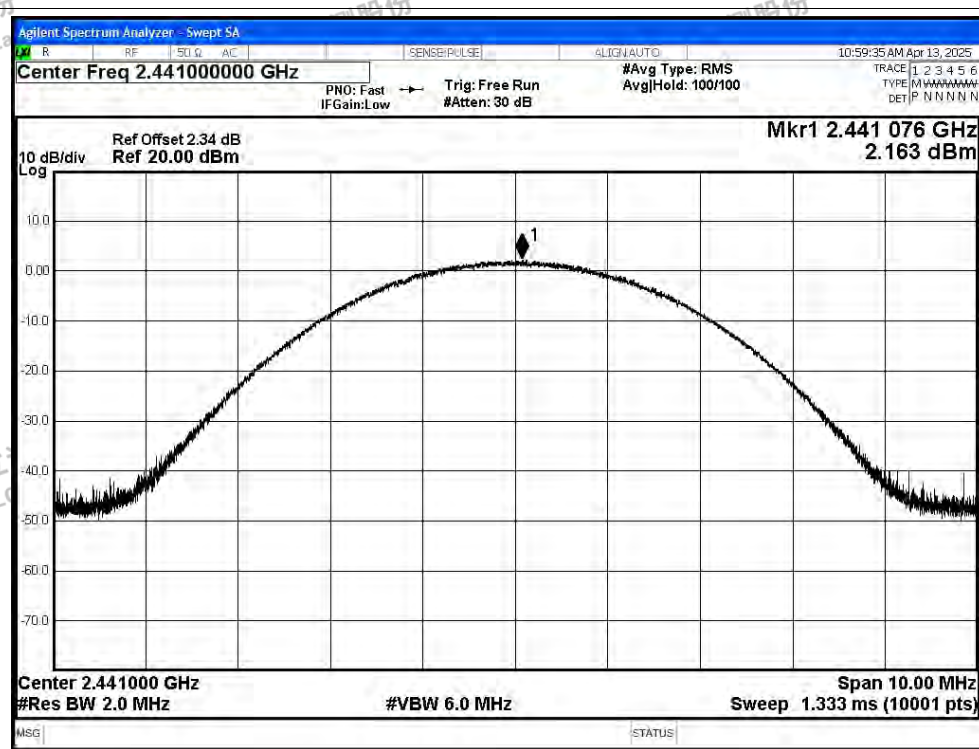




Power NVNT 3-DH5 2402MHz Ant1

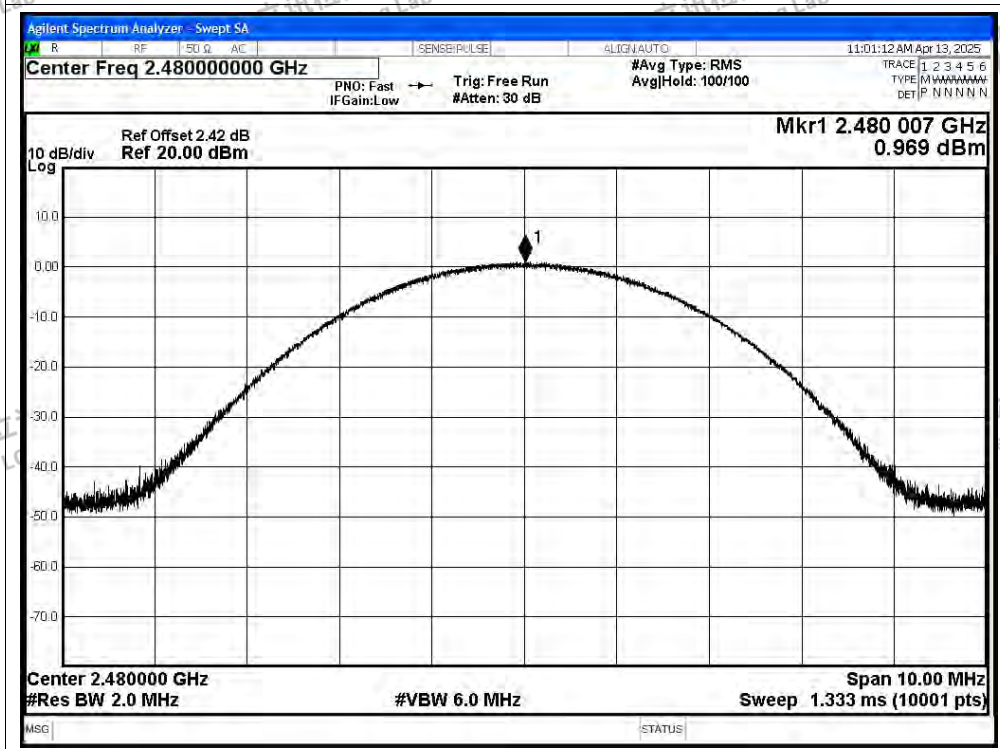


Power NVNT 3-DH5 2441MHz Ant1





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	2401.826	2403.016	1.19	0.674	Pass
NVNT	2-DH5	Ant1	2402.01	2403.022	1.012	0.859	Pass
NVNT	3-DH5	Ant1	2402.018	2403.026	1.008	0.866	Pass

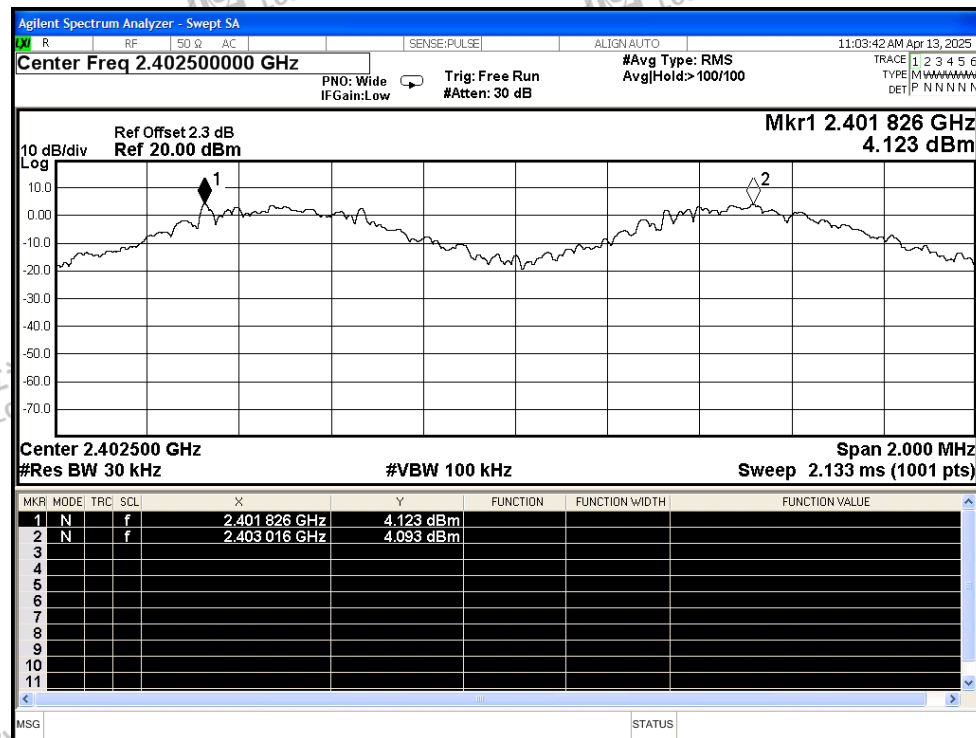


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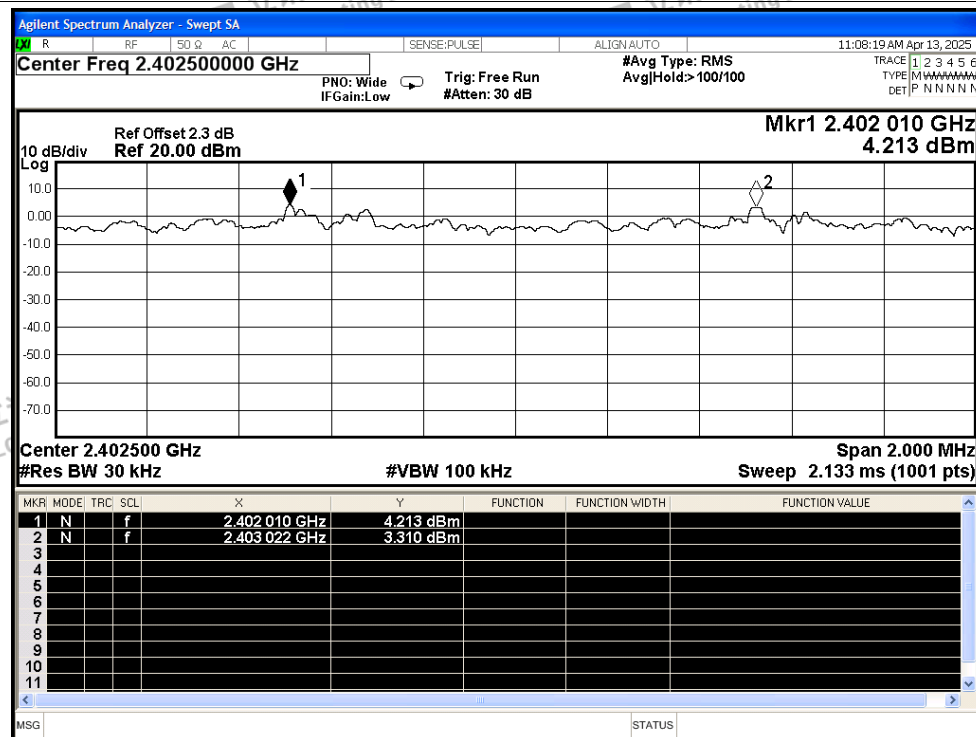


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

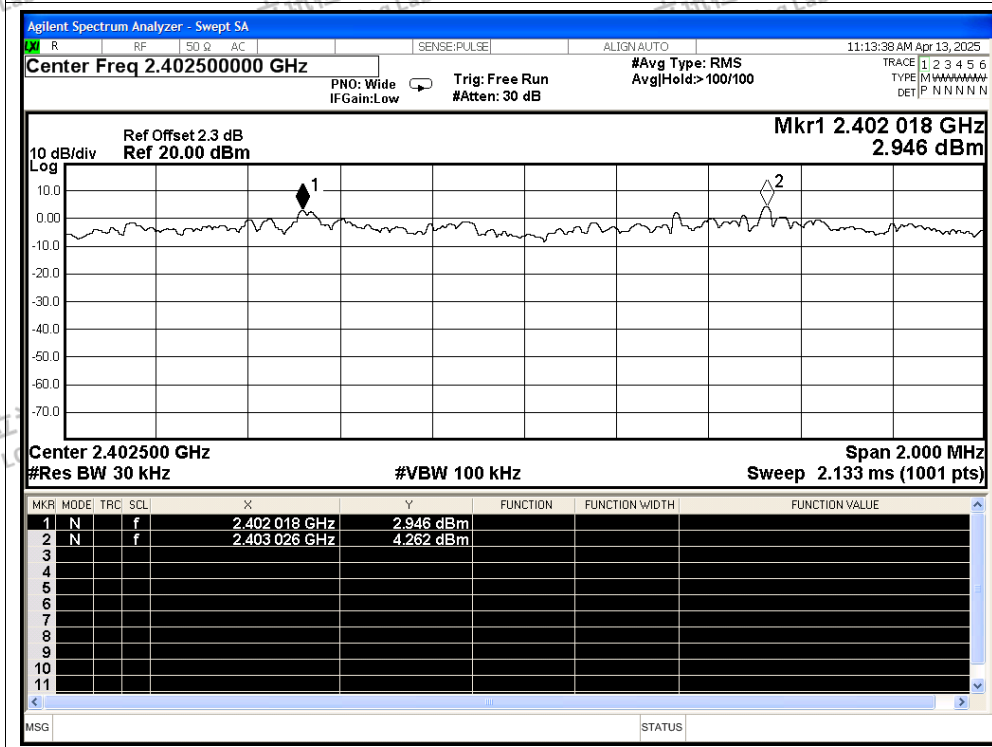
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CFS NVNT 3-DH5 2402MHz Ant1





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	0.499	48.902	98	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.899	313.092	108	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.898	295.596	102	31600	400	Pass



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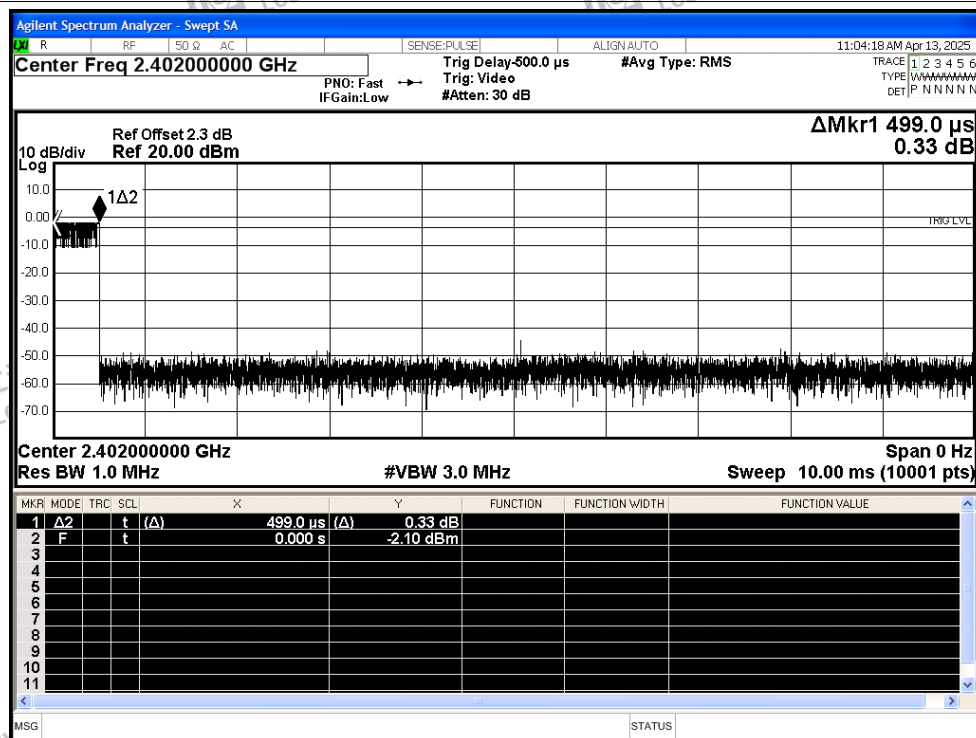
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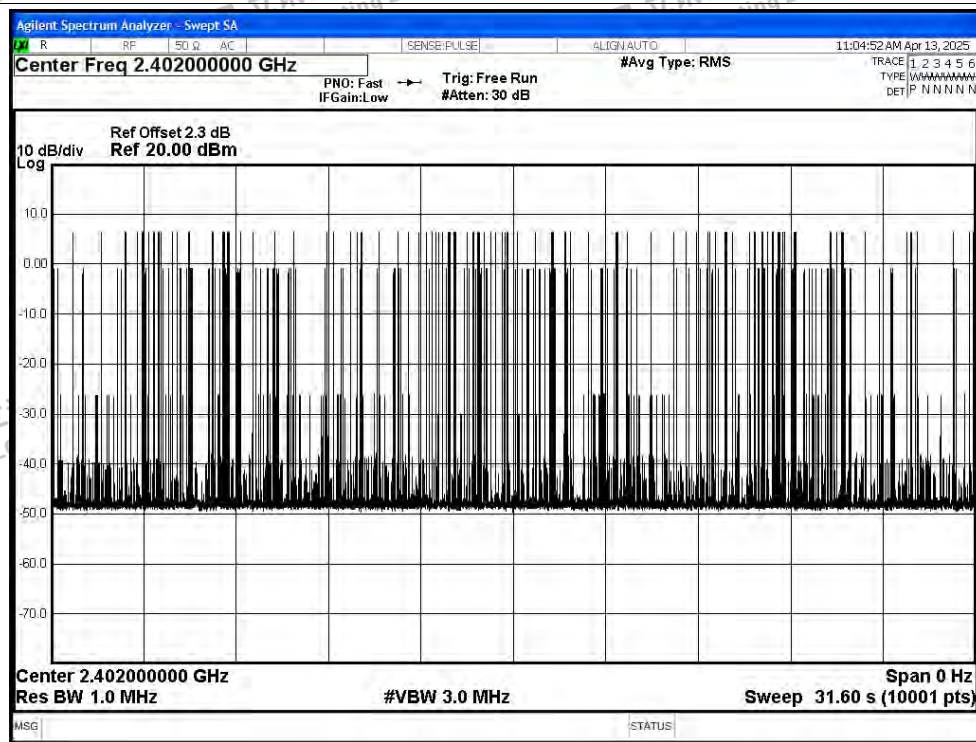


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

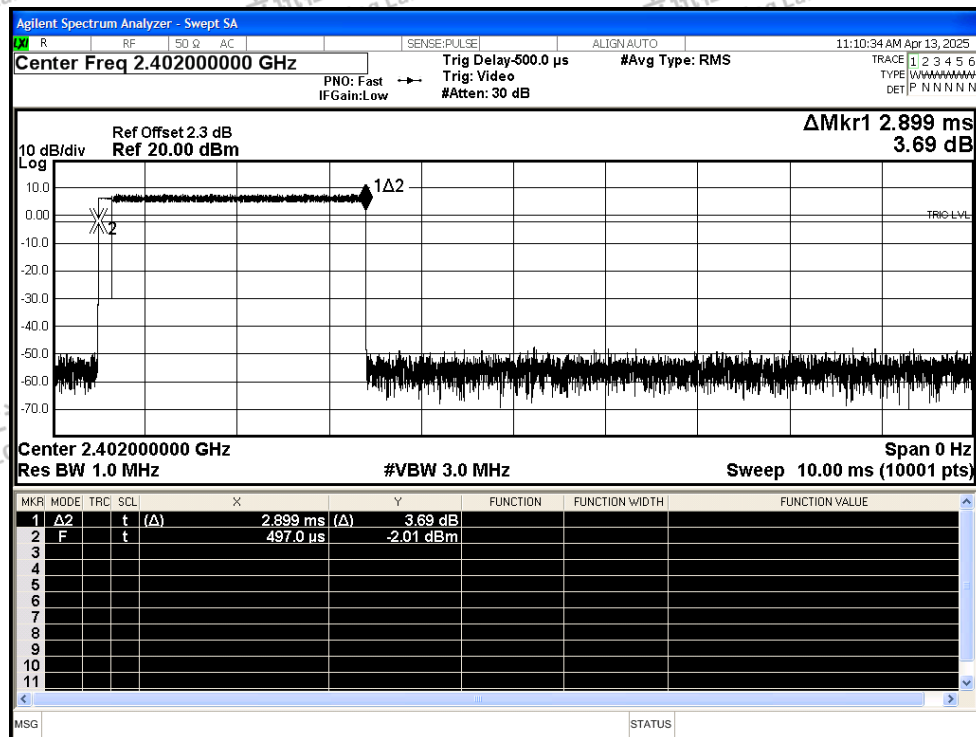
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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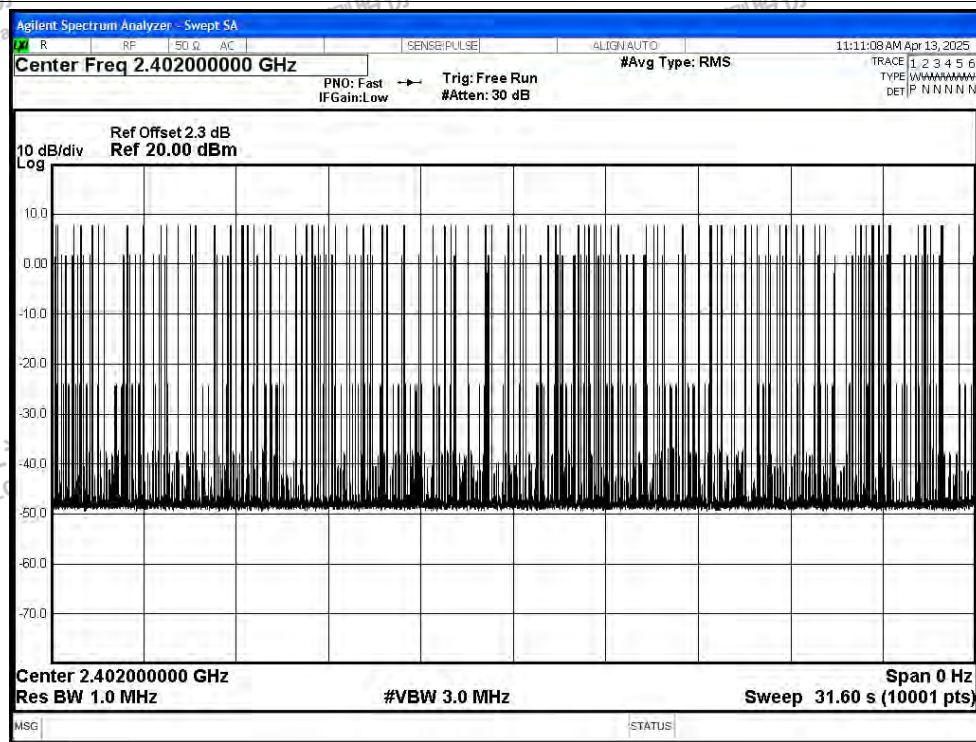
Scan code to check authenticity



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

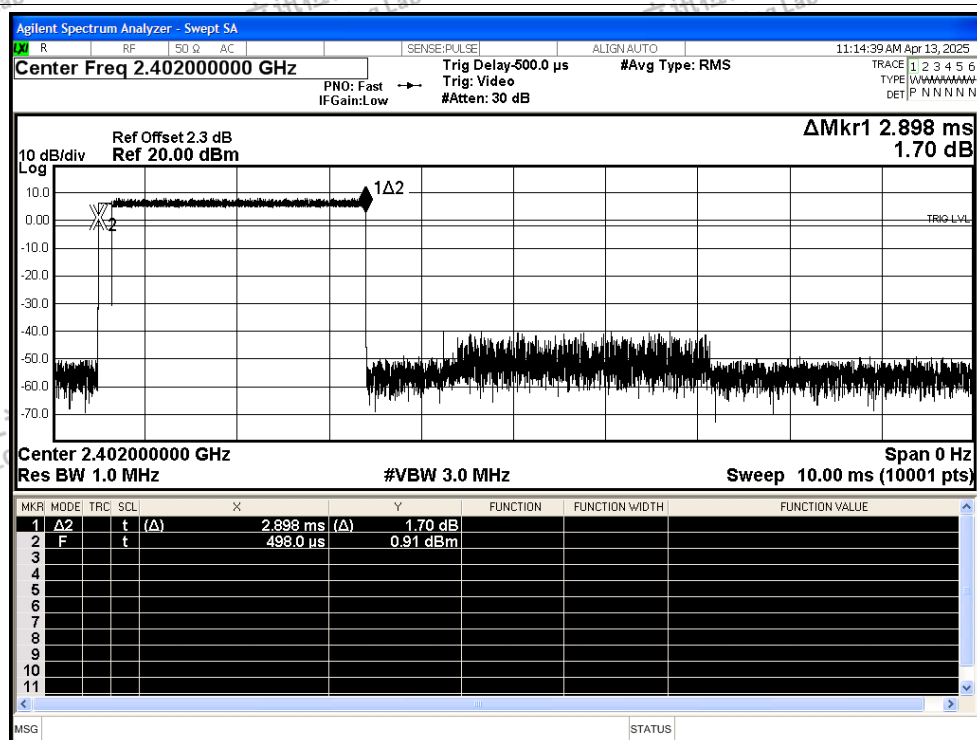
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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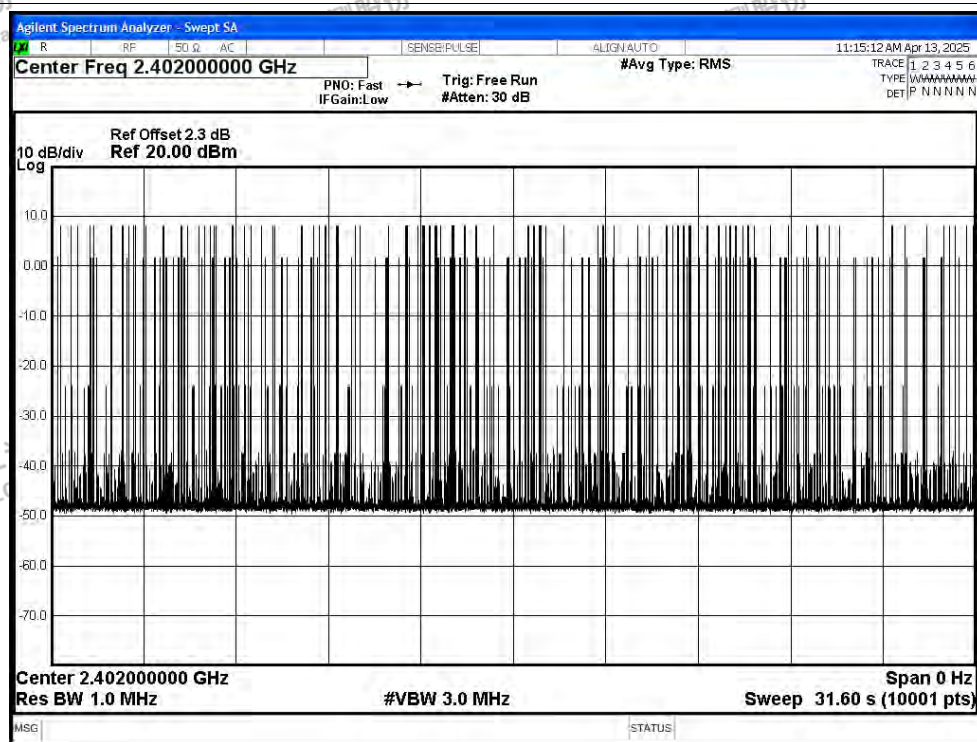
Scan code to check authenticity



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



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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

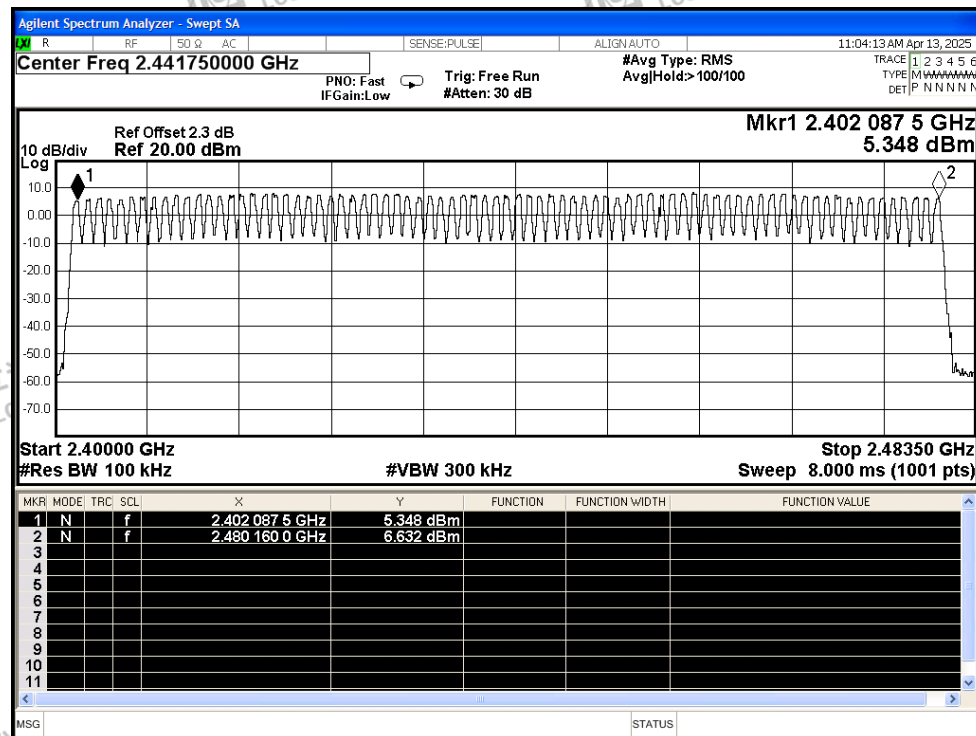


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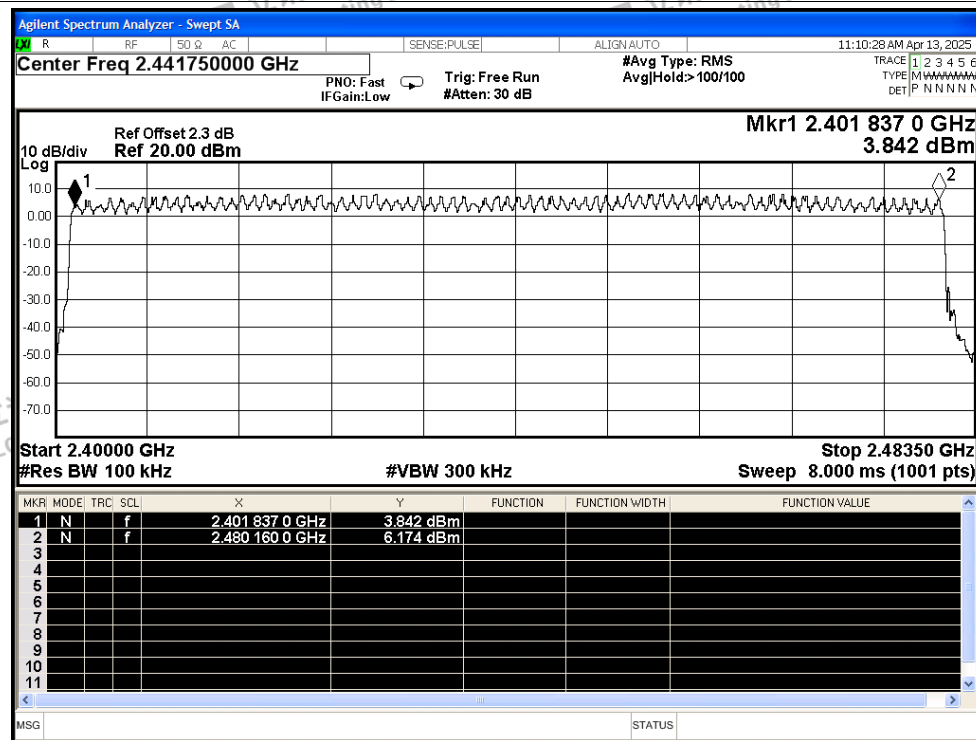


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

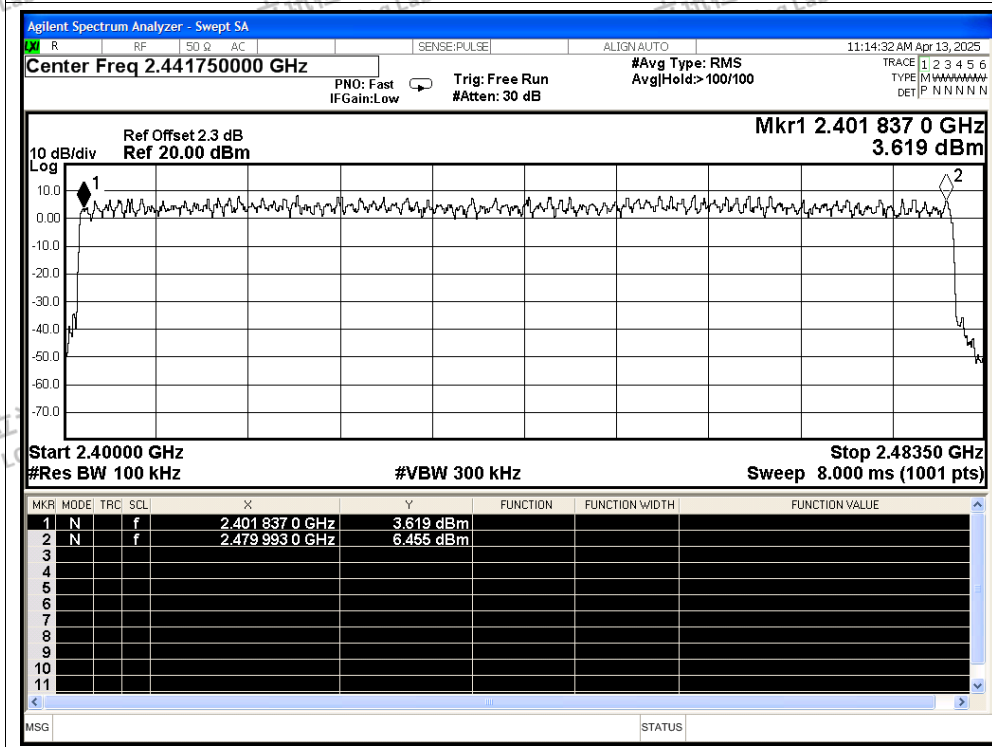
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Hopping No. NVNT 3-DH5 2402MHz Ant1





A.6 Band Edge

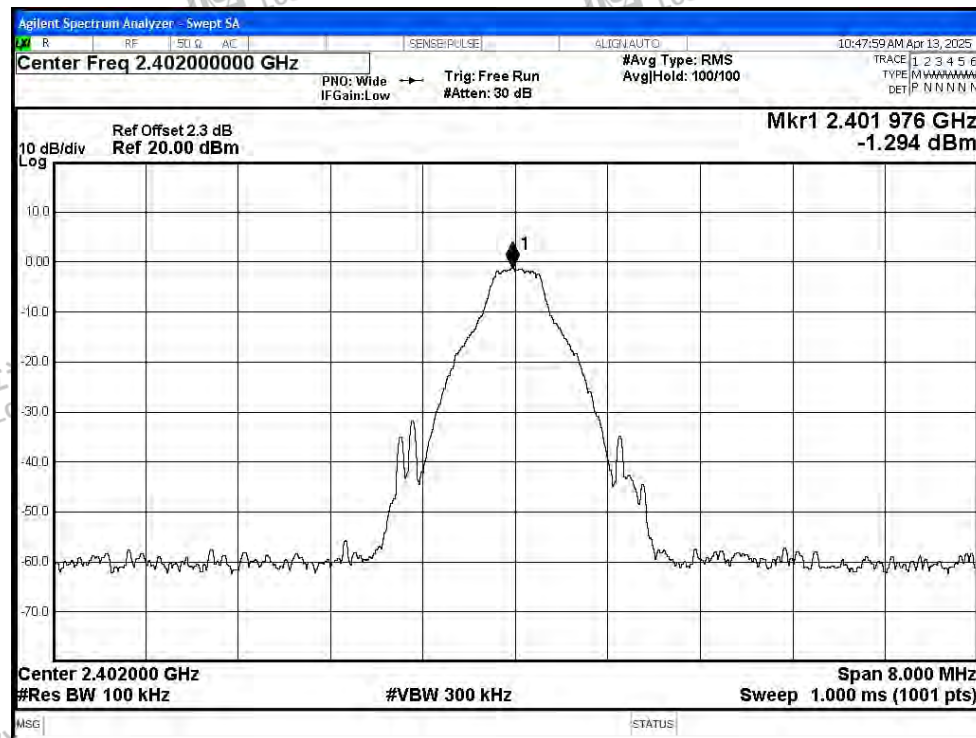
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.3	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-55.34	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.92	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.42	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-50.01	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.86	-20	Pass



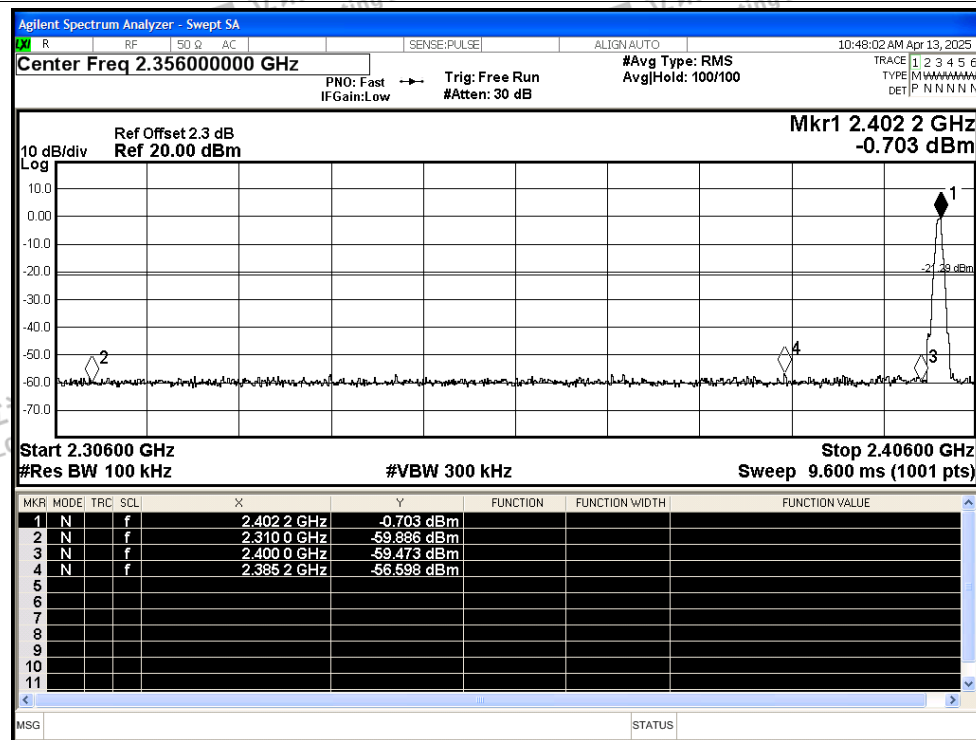


Test Graphs

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



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



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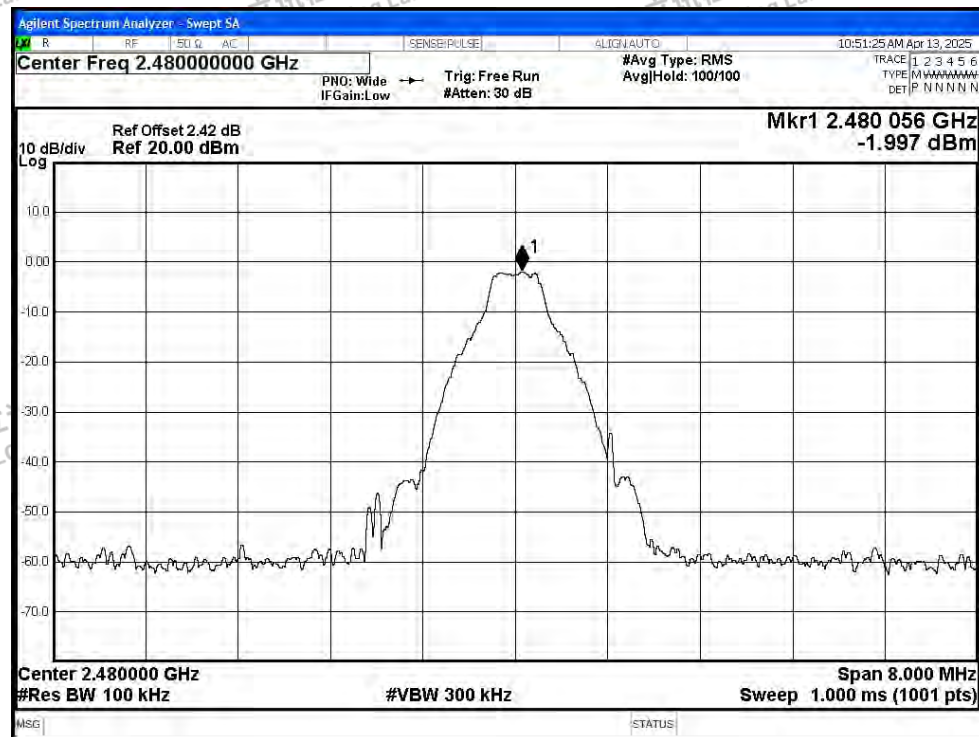
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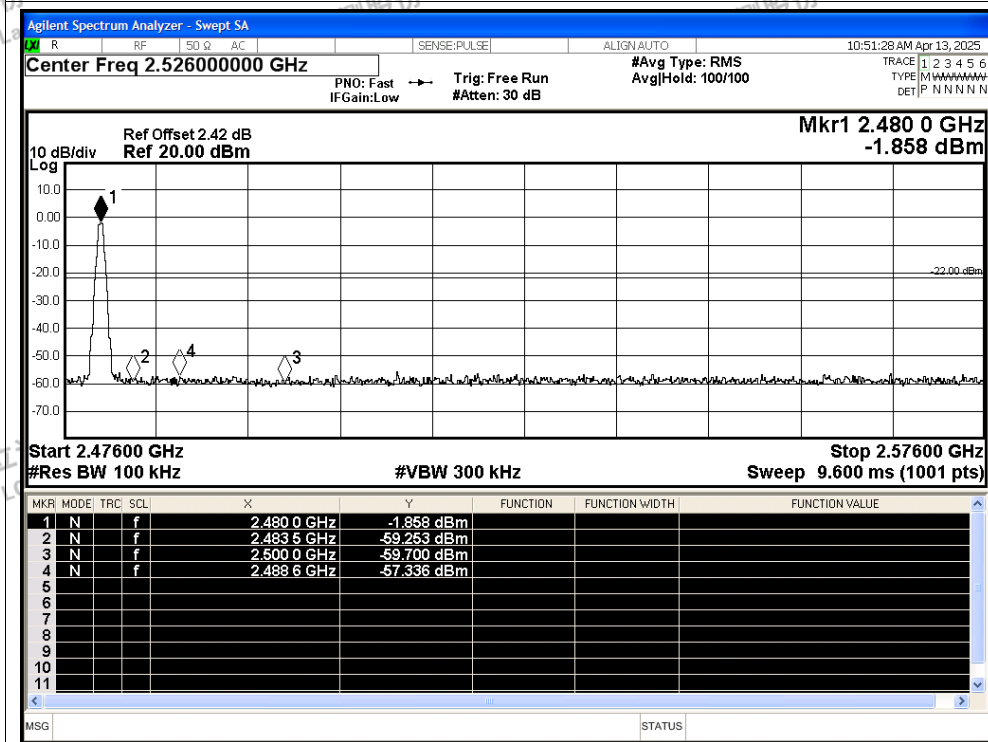
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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

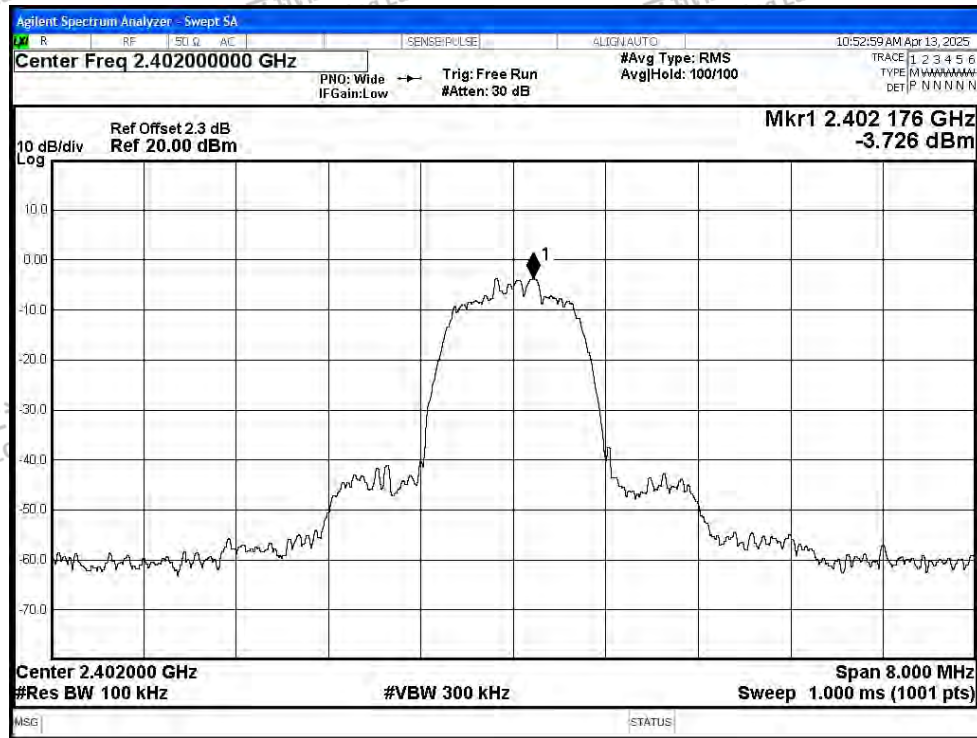


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

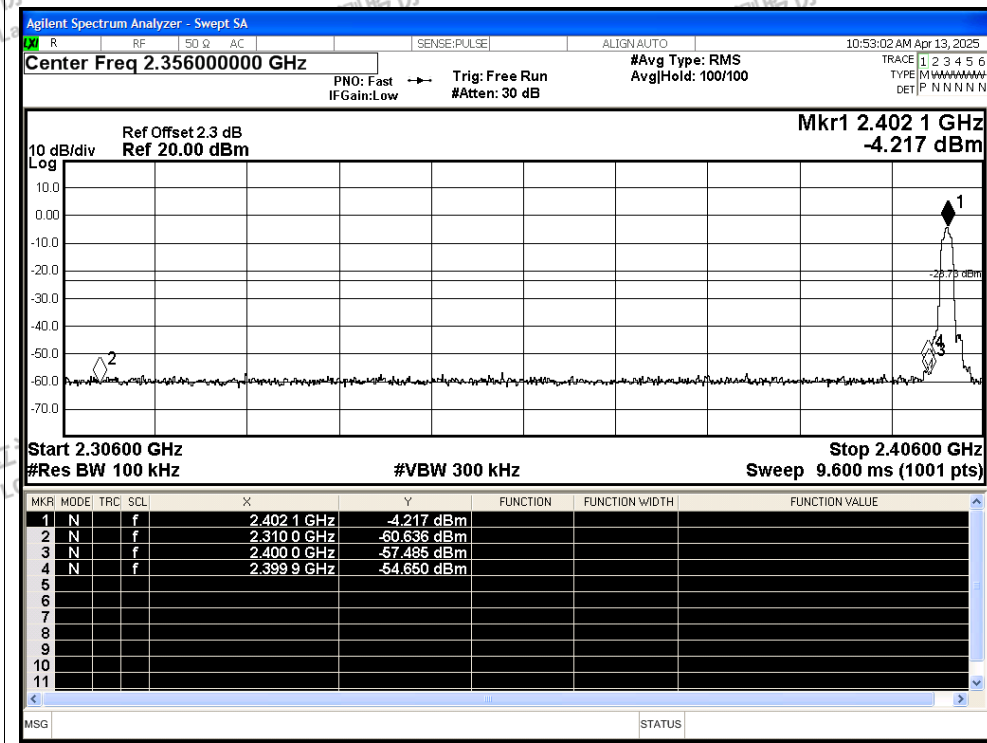




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

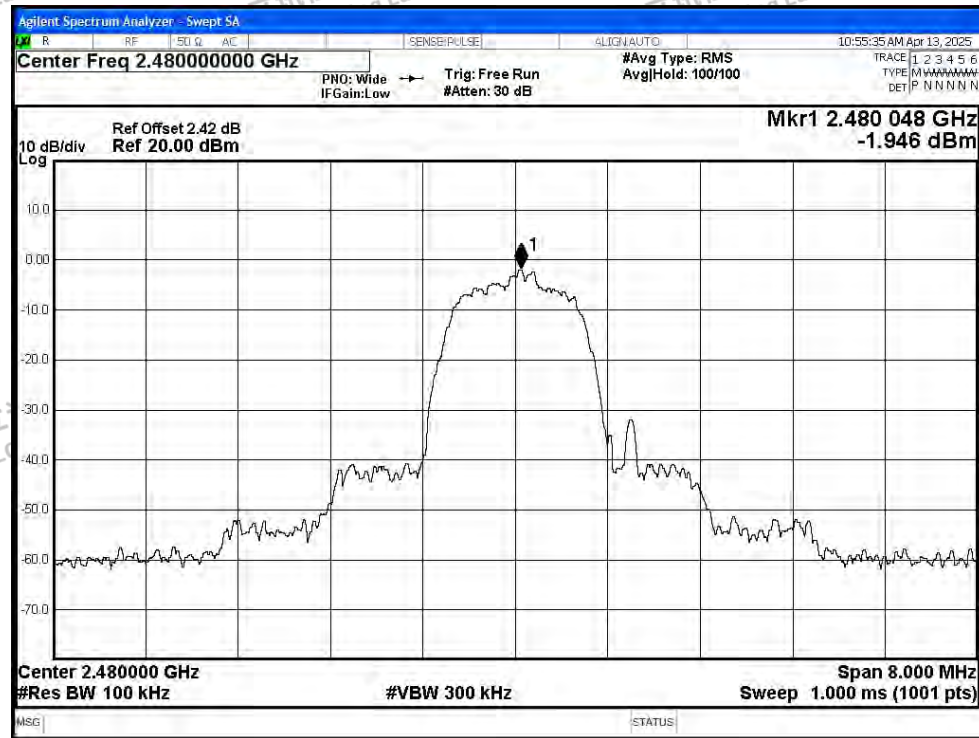


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

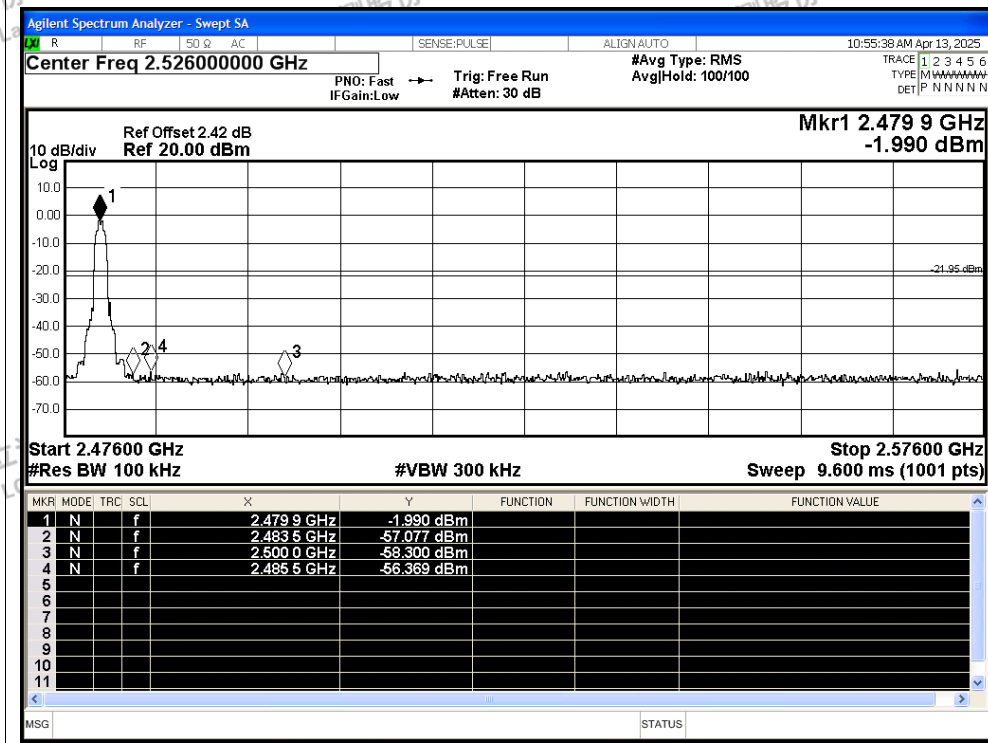




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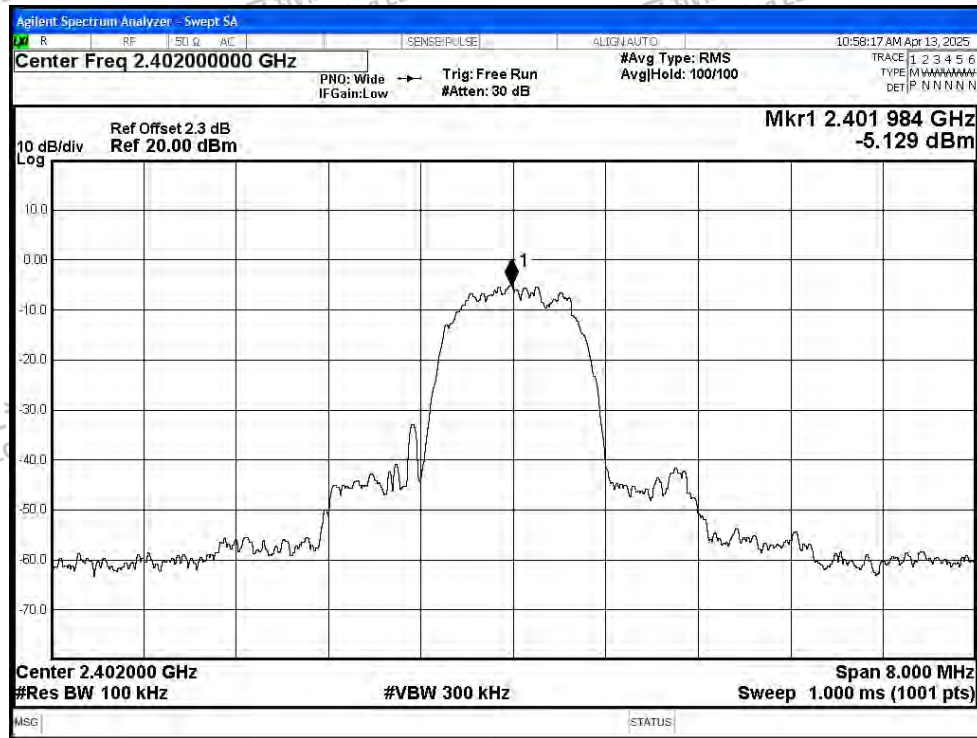


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

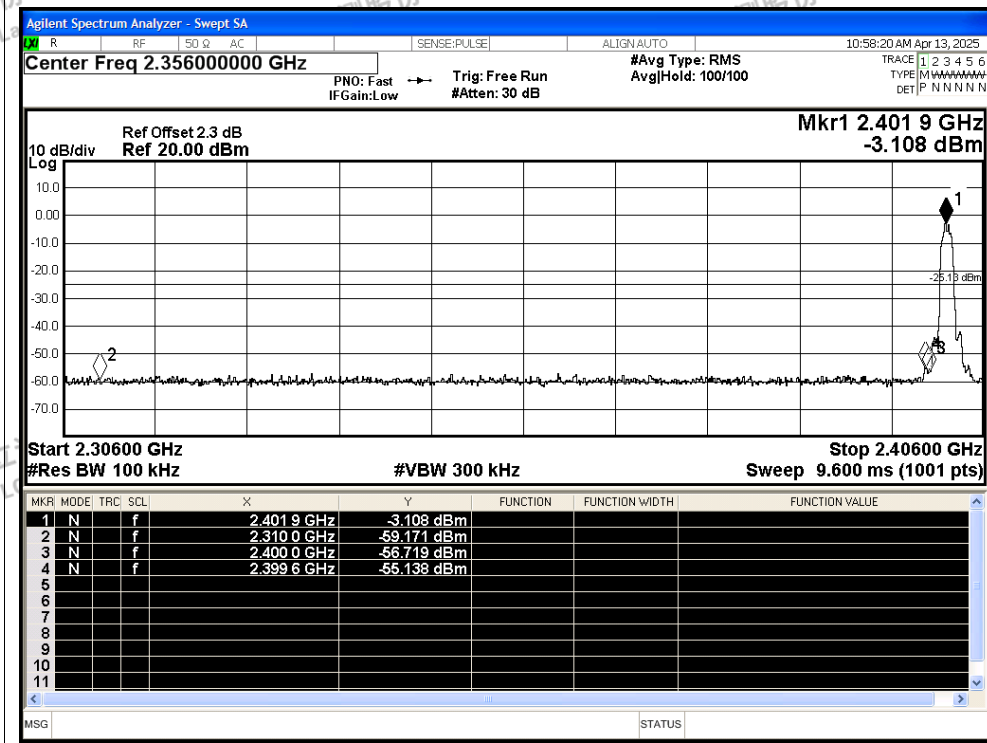




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

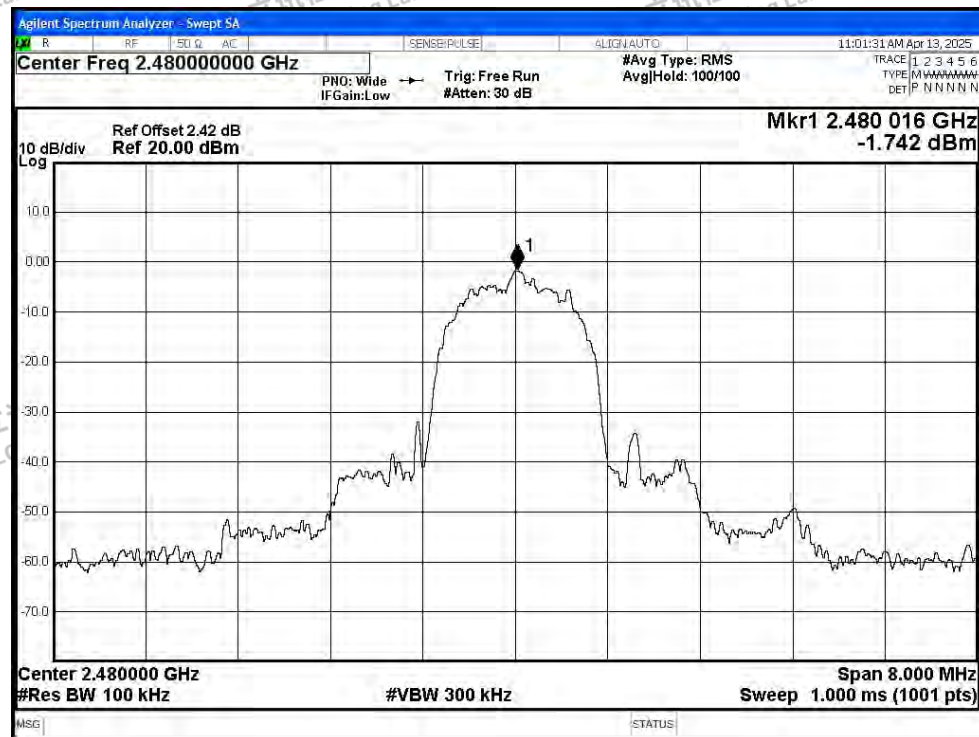


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

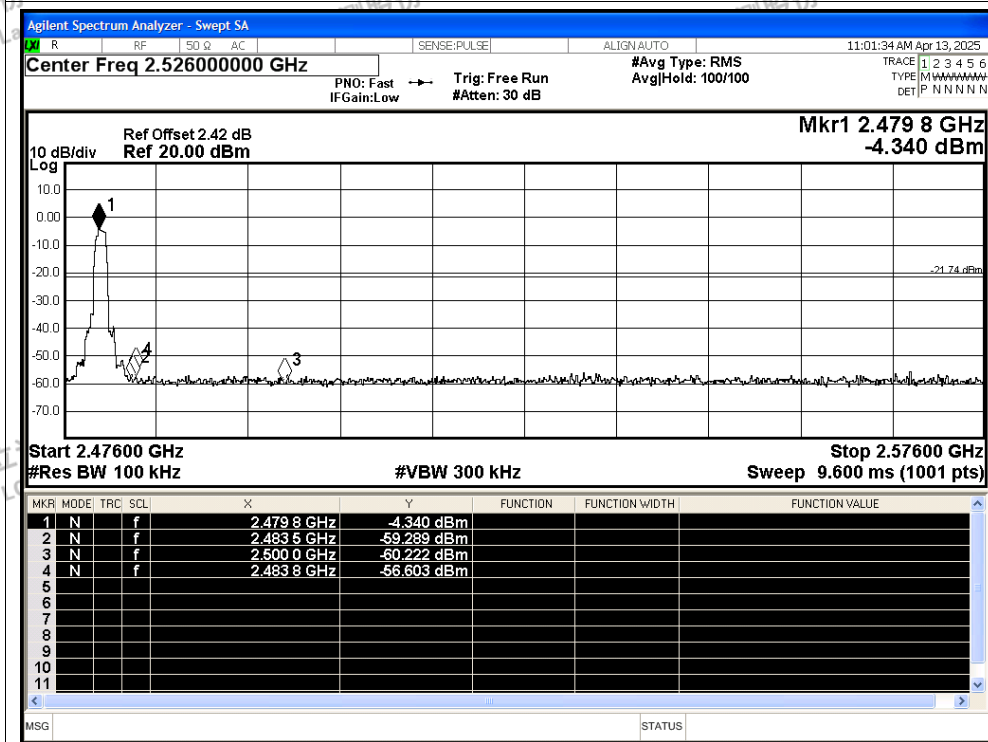




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

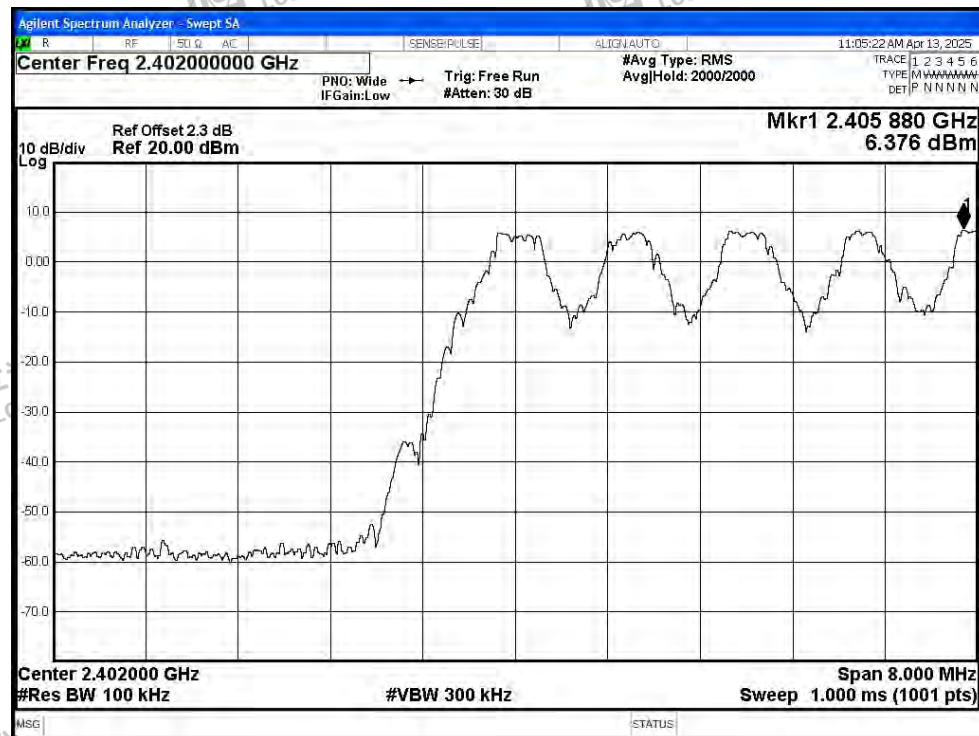
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-61.97	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-61.43	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-61.81	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-58.78	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-62.24	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-58.37	-20	Pass



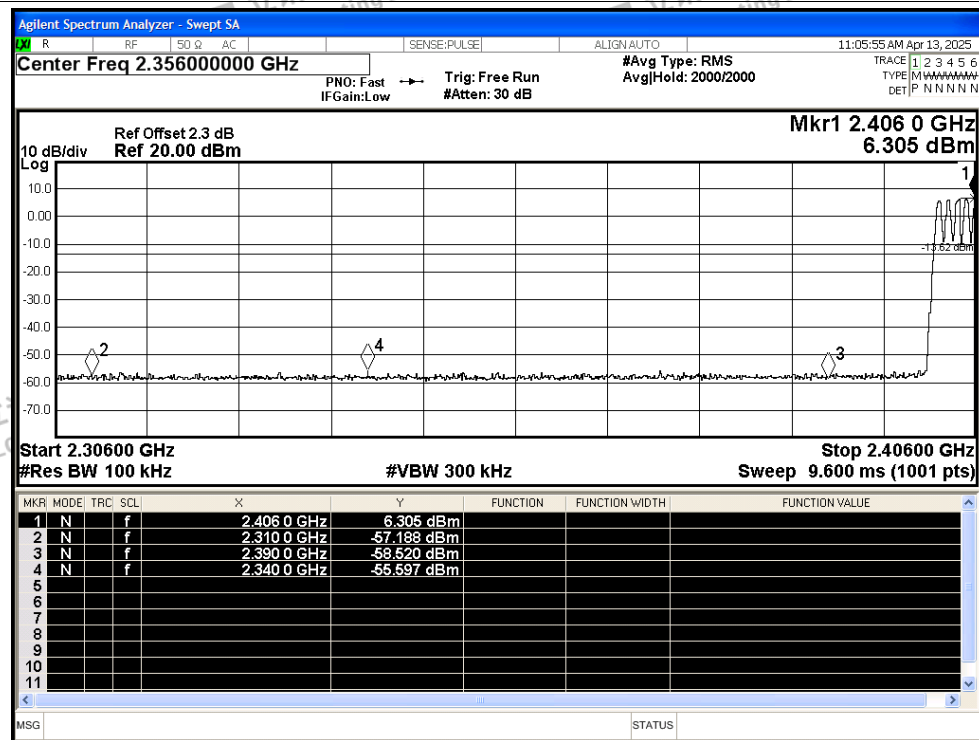


Test Graphs

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



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



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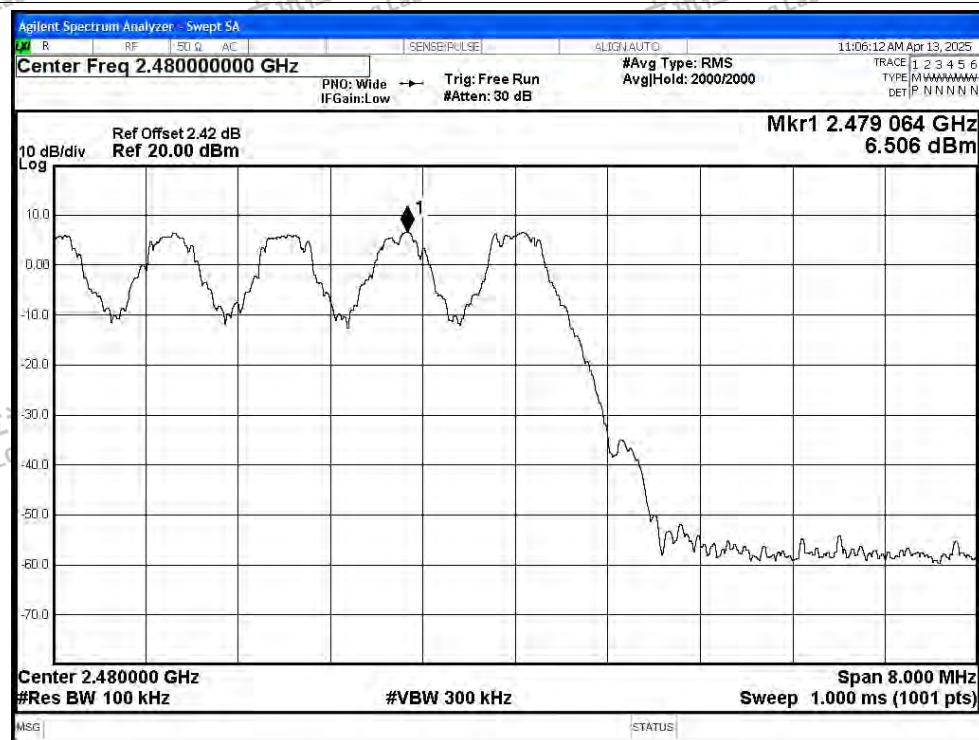
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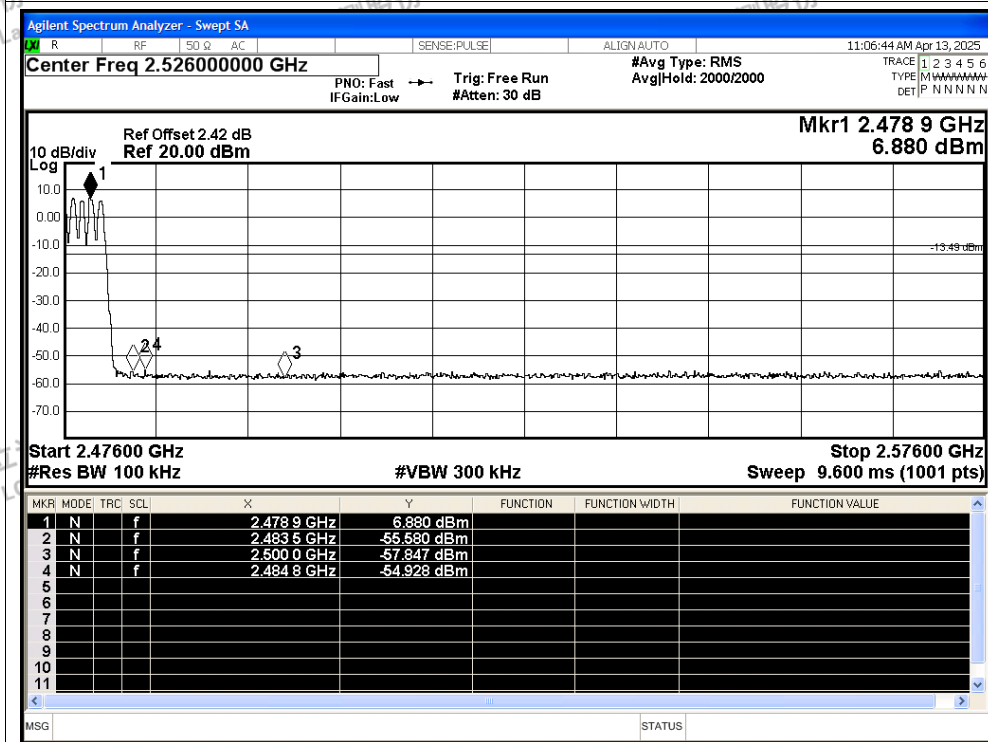
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Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

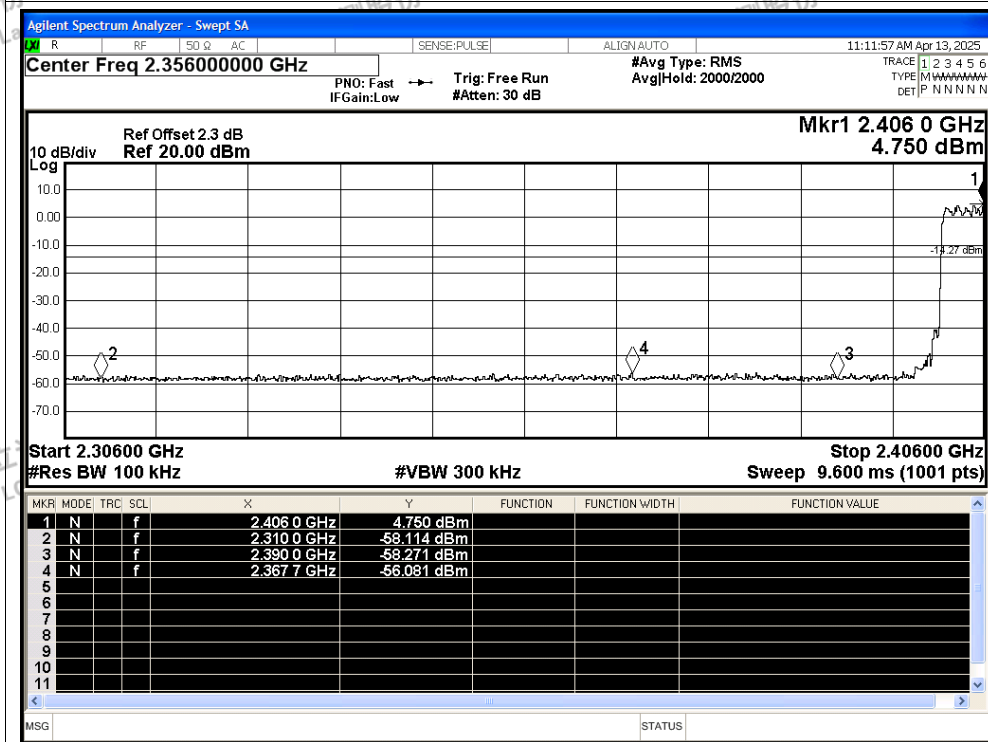




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

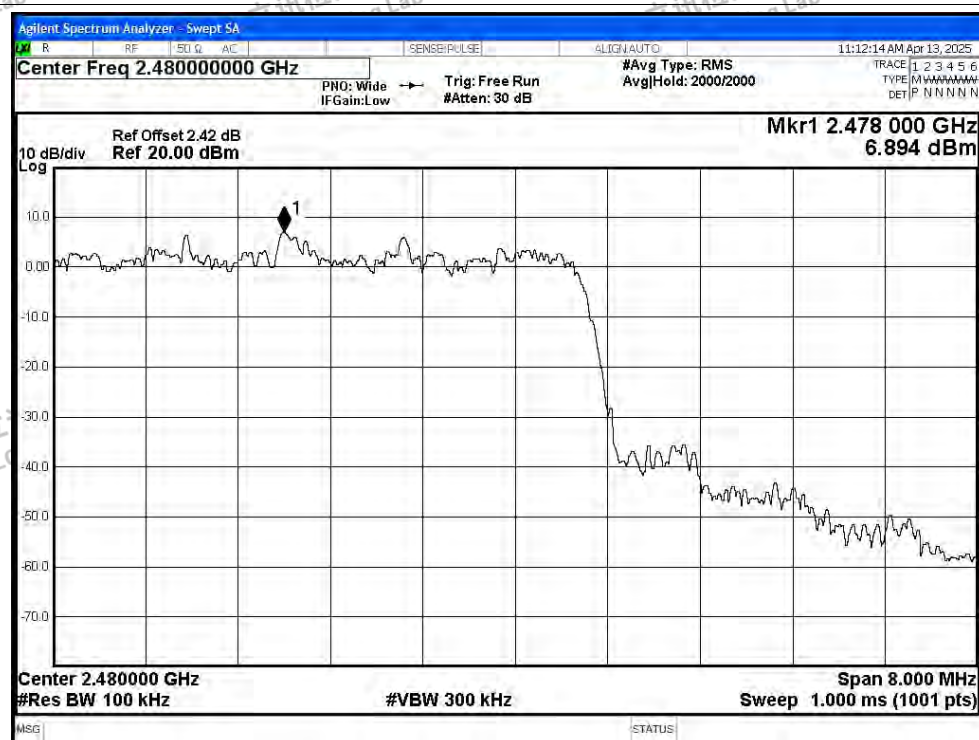


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

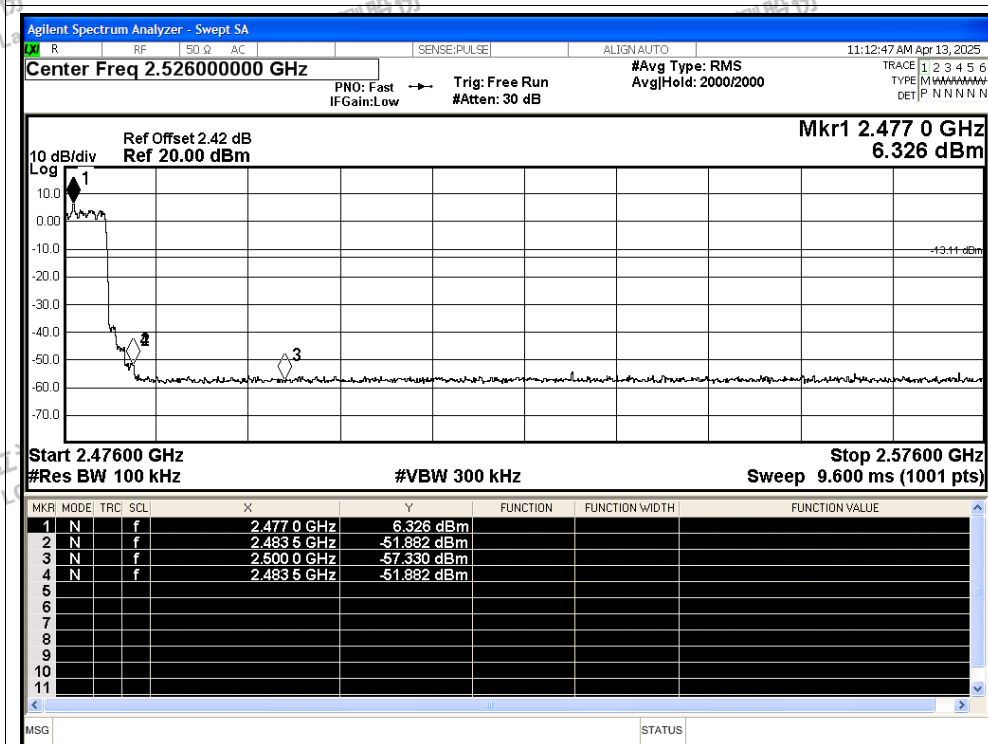




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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



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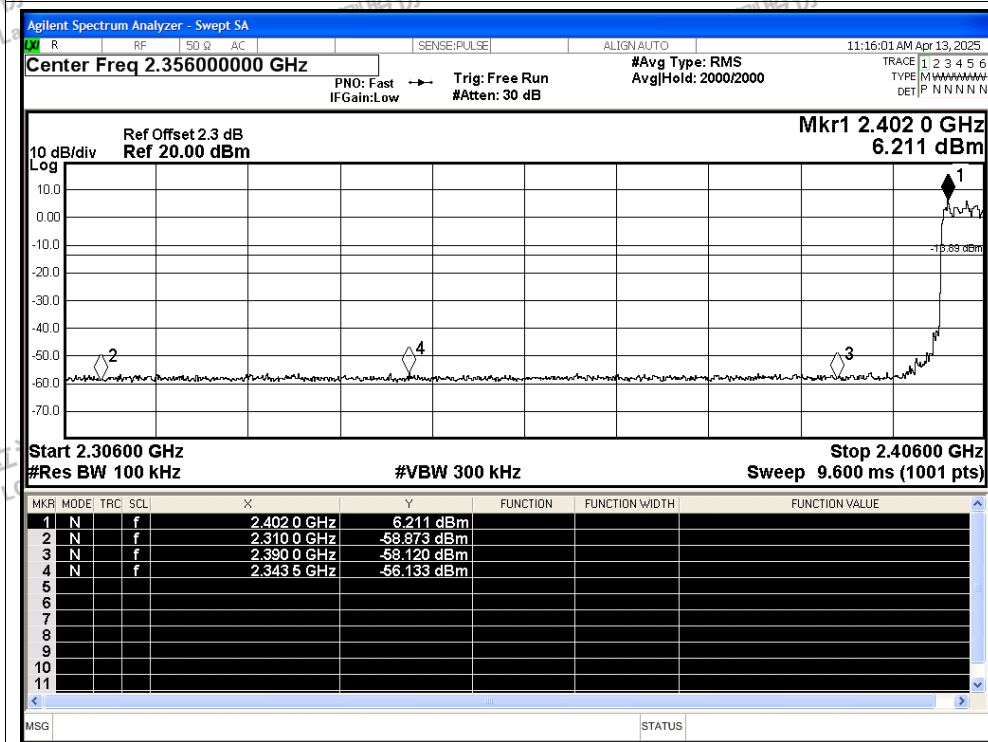
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Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



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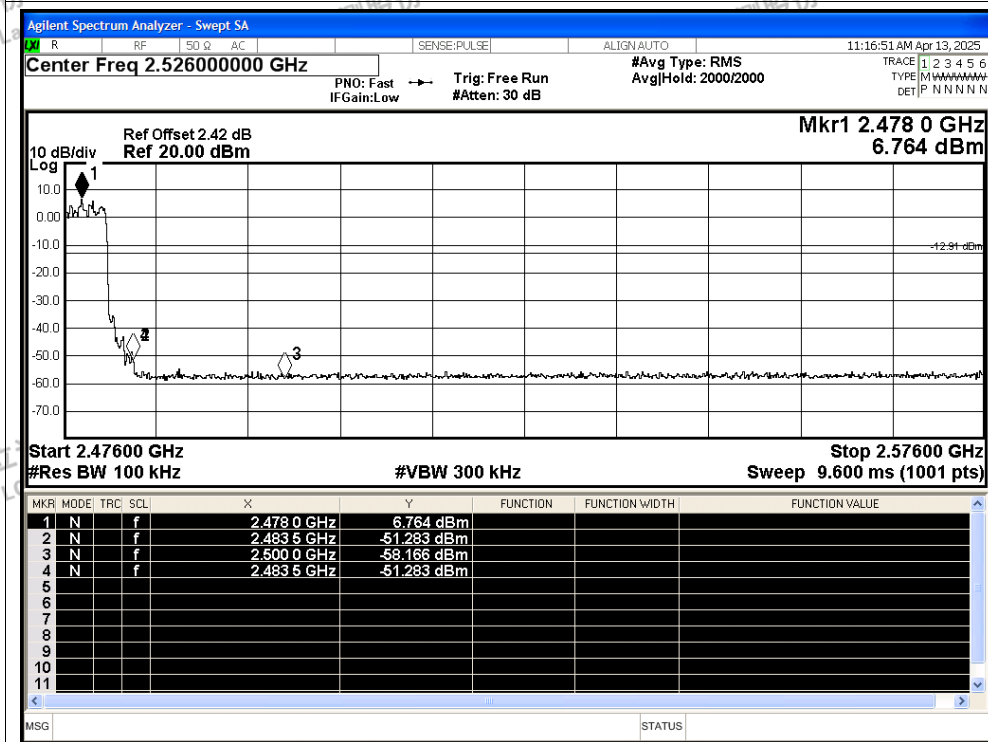
Scan code to check authenticity



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	-54.51	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.93	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.9	-20	Pass
NVNT	2-DH5	2402	Ant1	-51.79	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.38	-20	Pass
NVNT	2-DH5	2480	Ant1	-52.86	-20	Pass
NVNT	3-DH5	2402	Ant1	-52.57	-20	Pass
NVNT	3-DH5	2441	Ant1	-54.3	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.49	-20	Pass

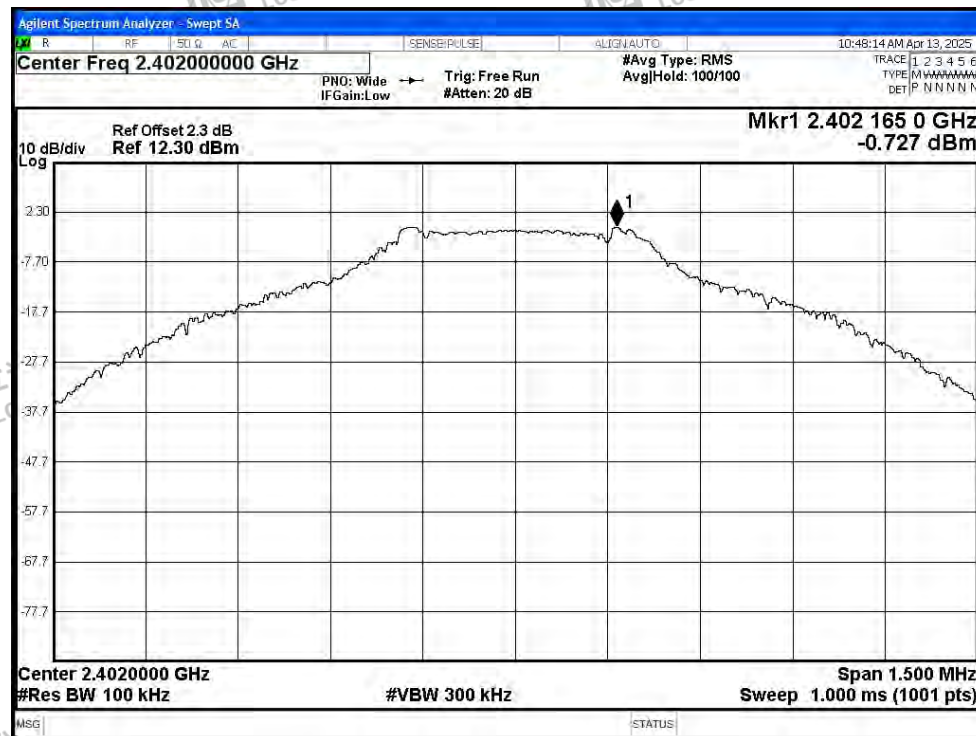


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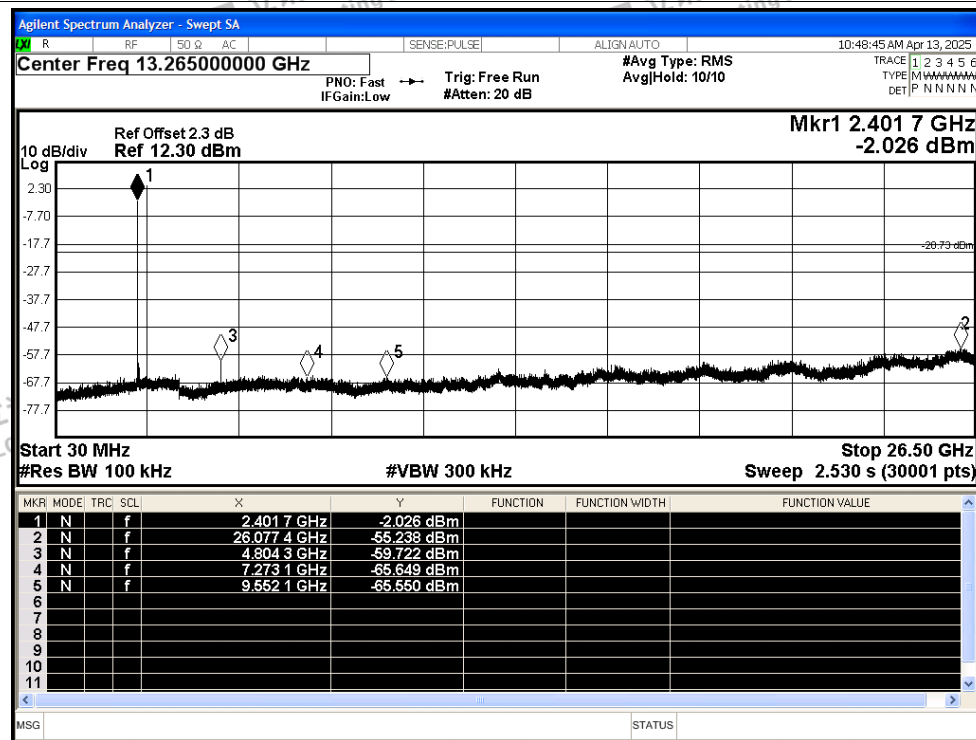


Test Graphs

Tx, Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx, Spurious NVNT 1-DH5 2402MHz Ant1 Emission



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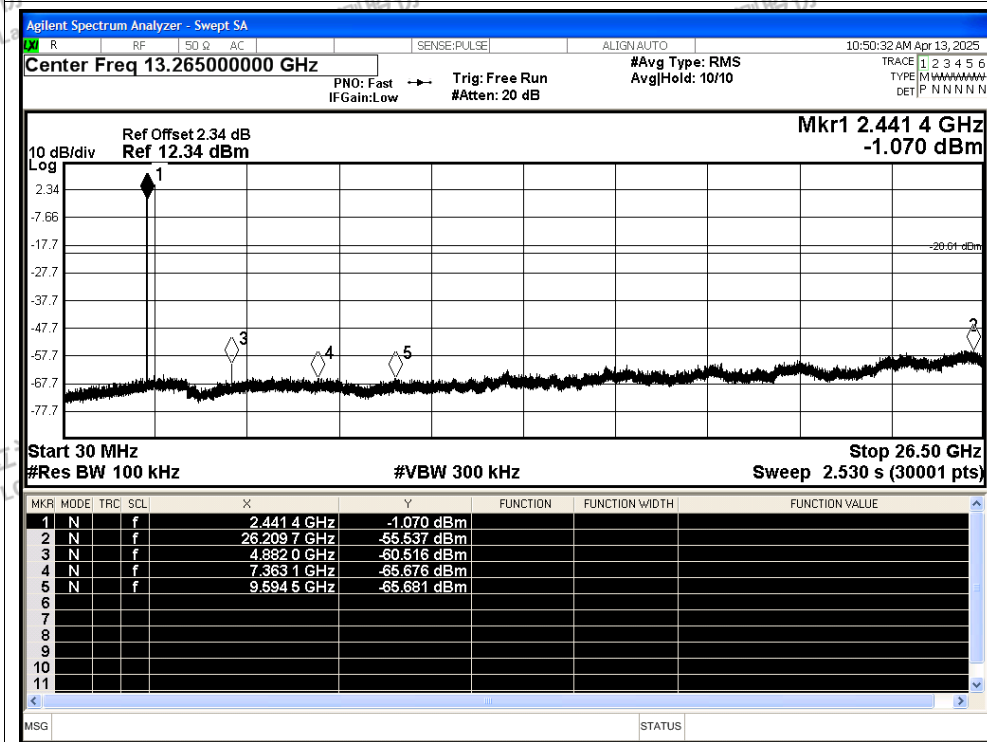
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Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

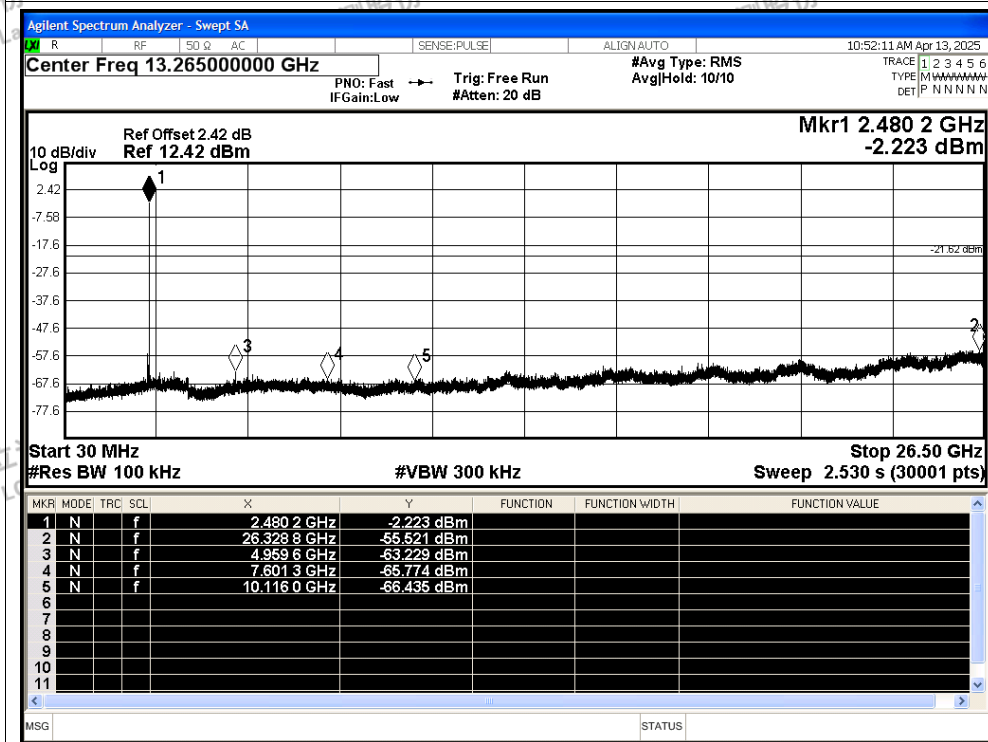




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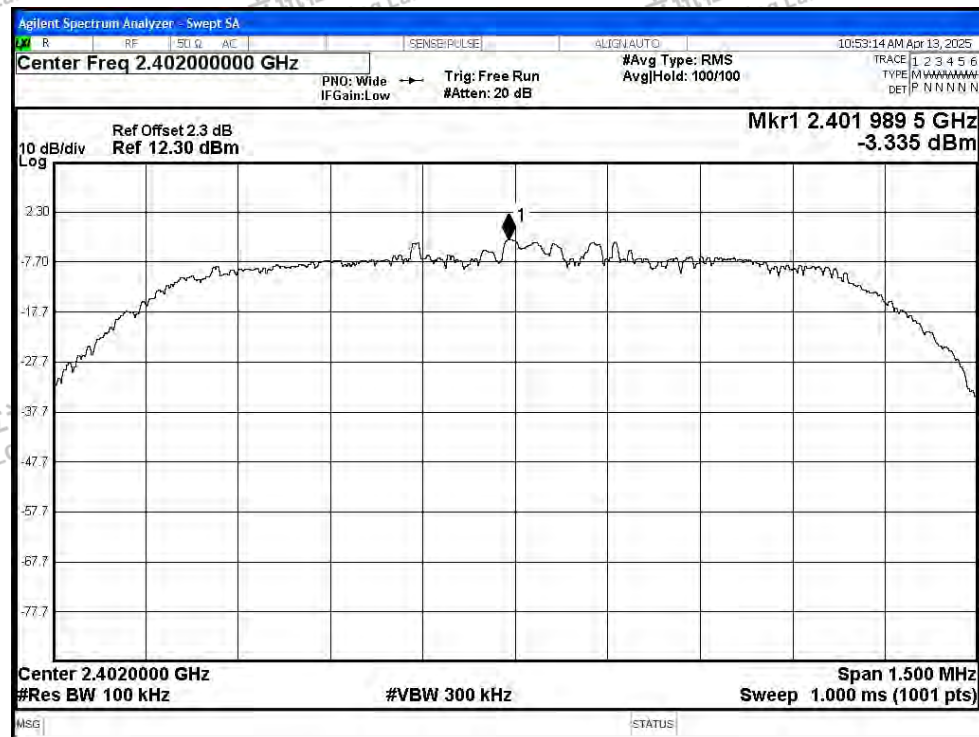


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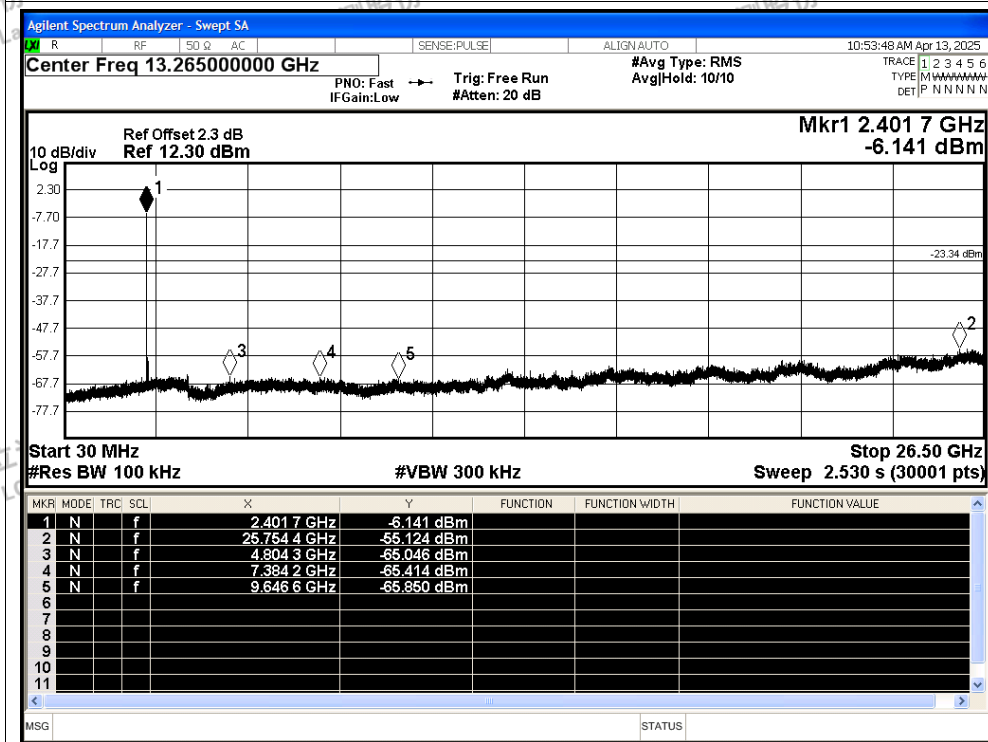




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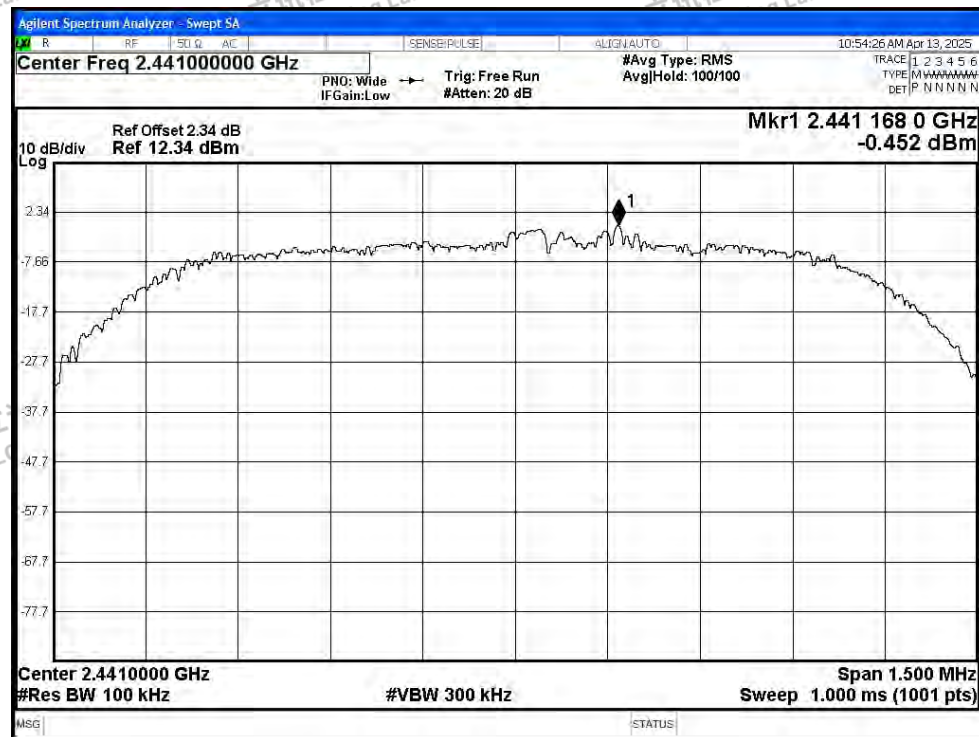


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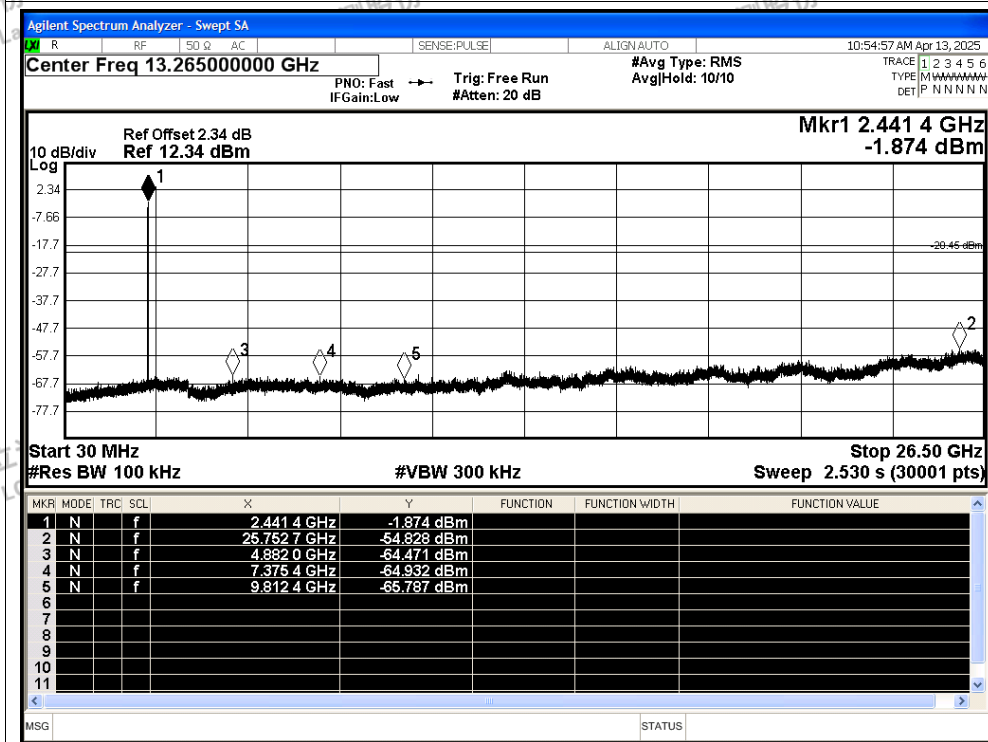




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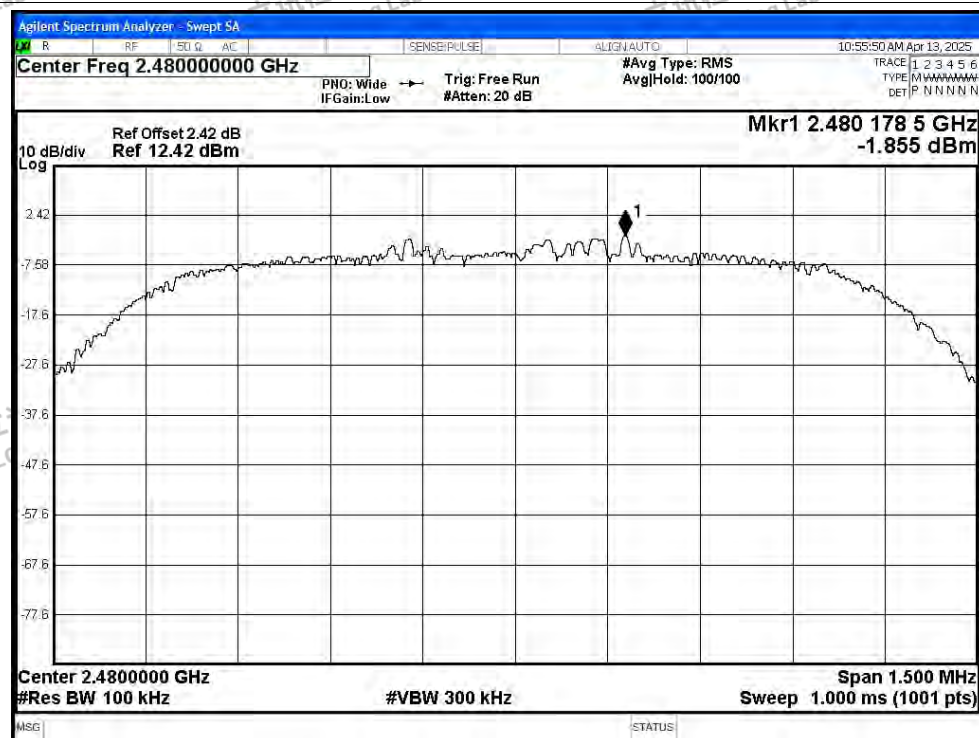


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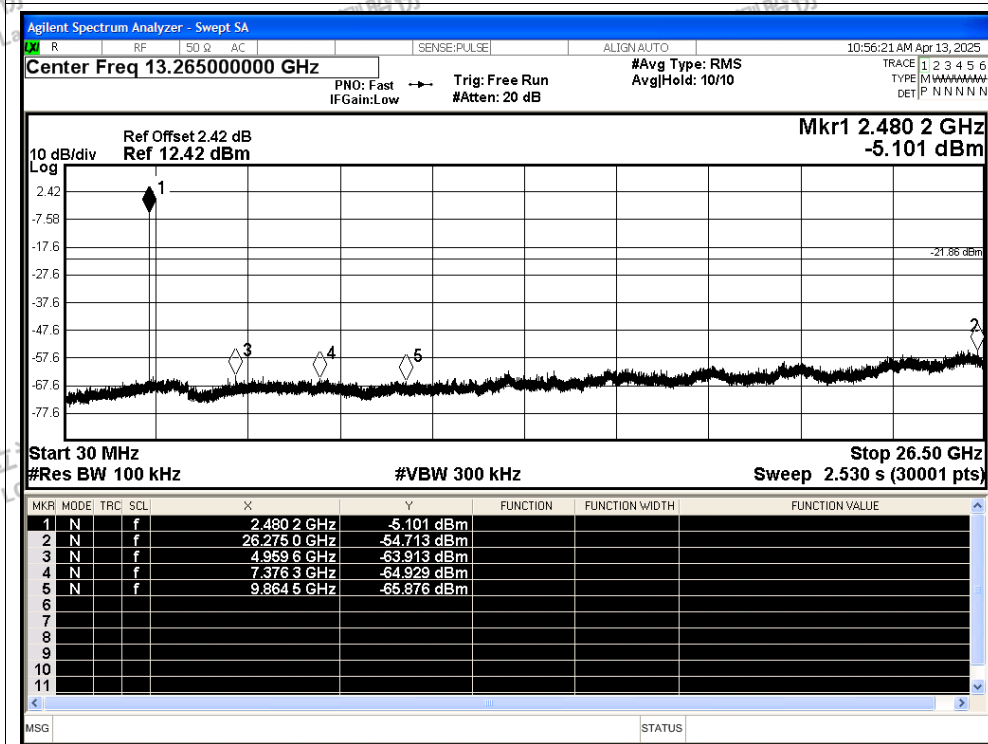




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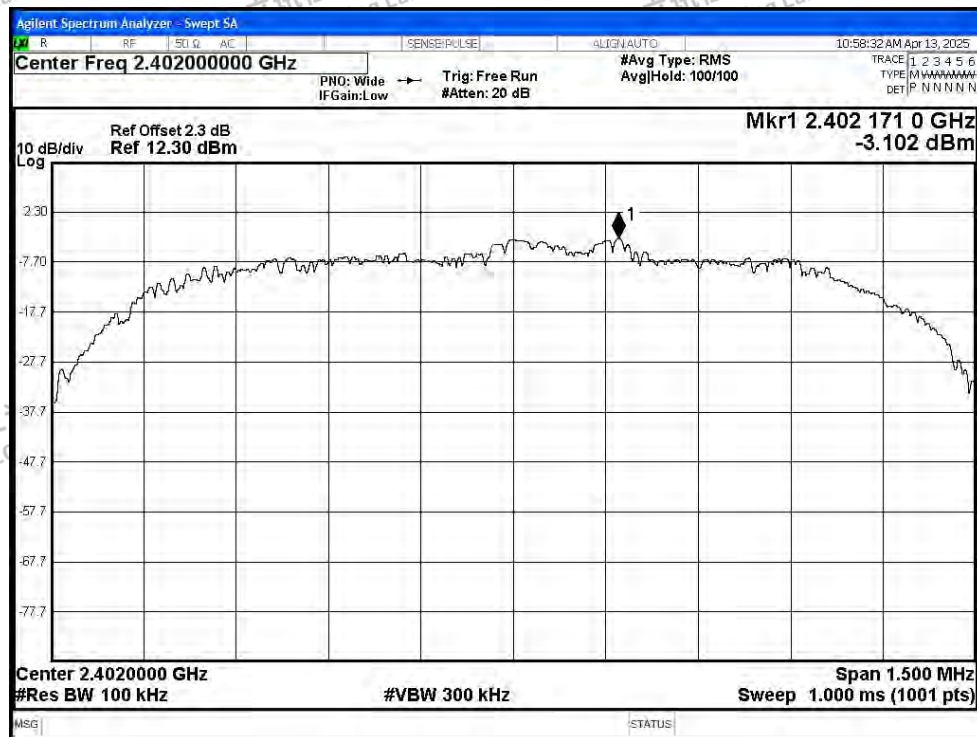


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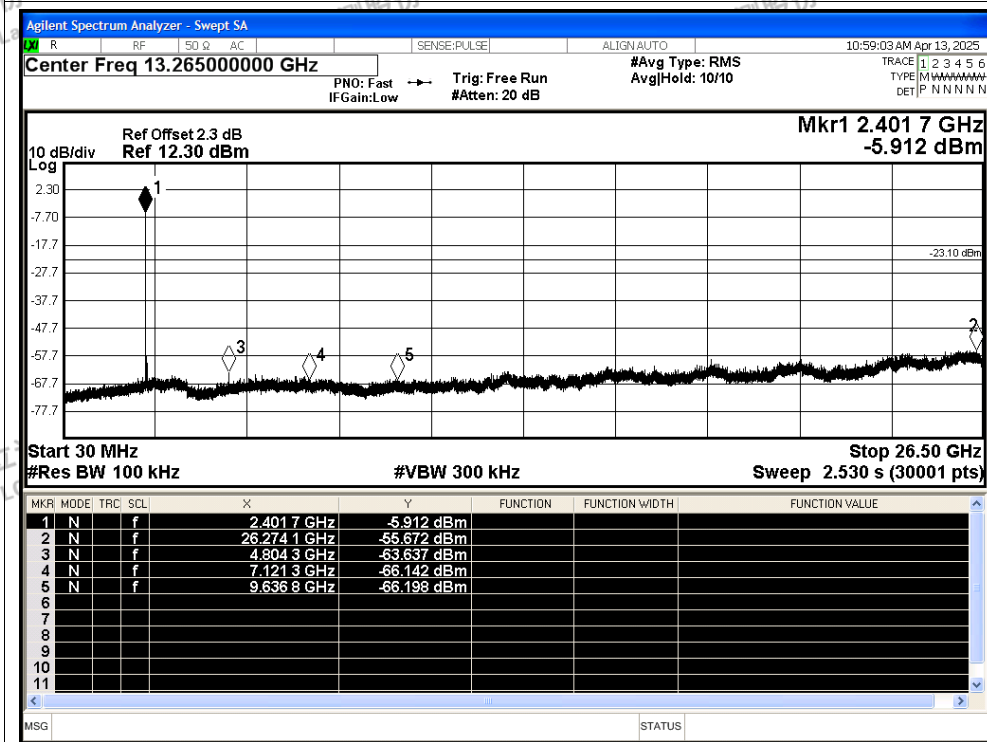




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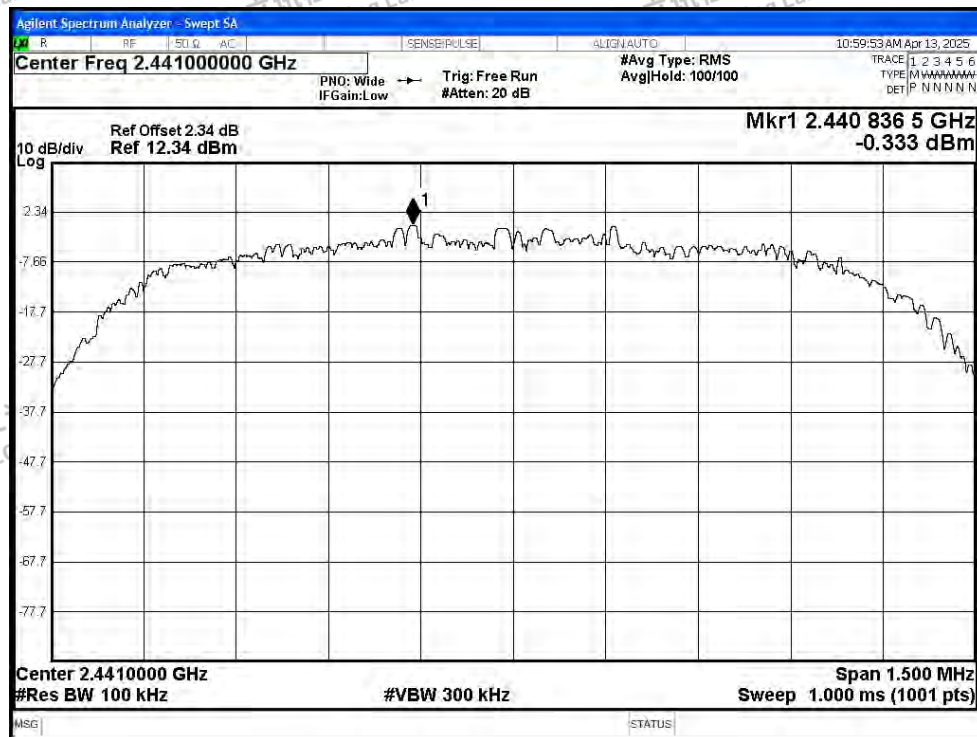


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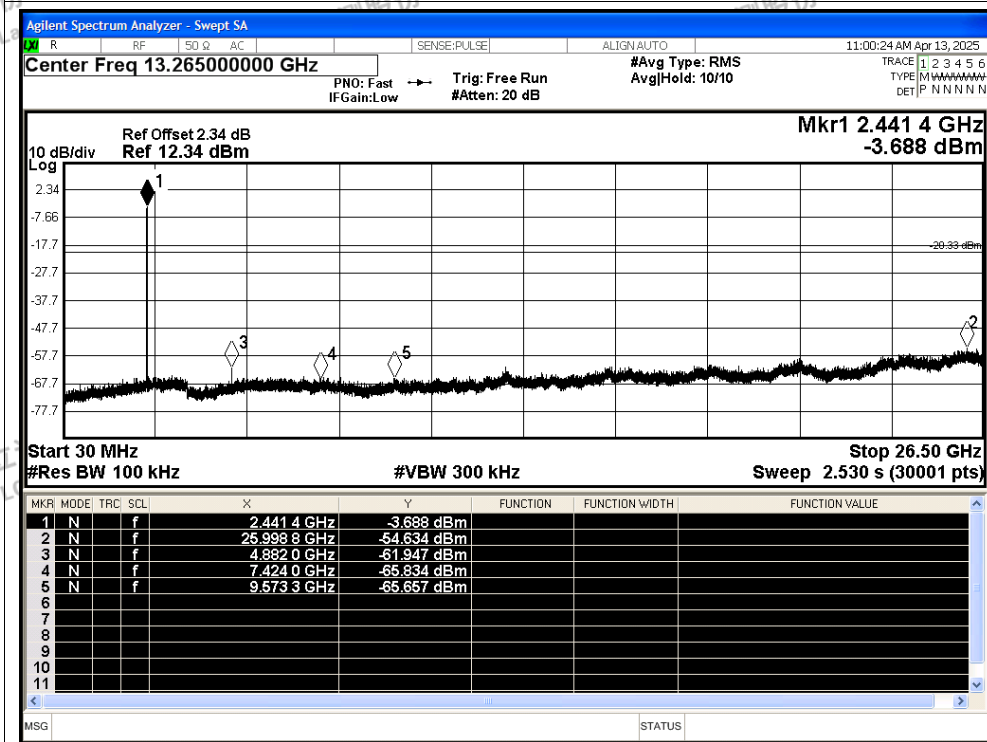




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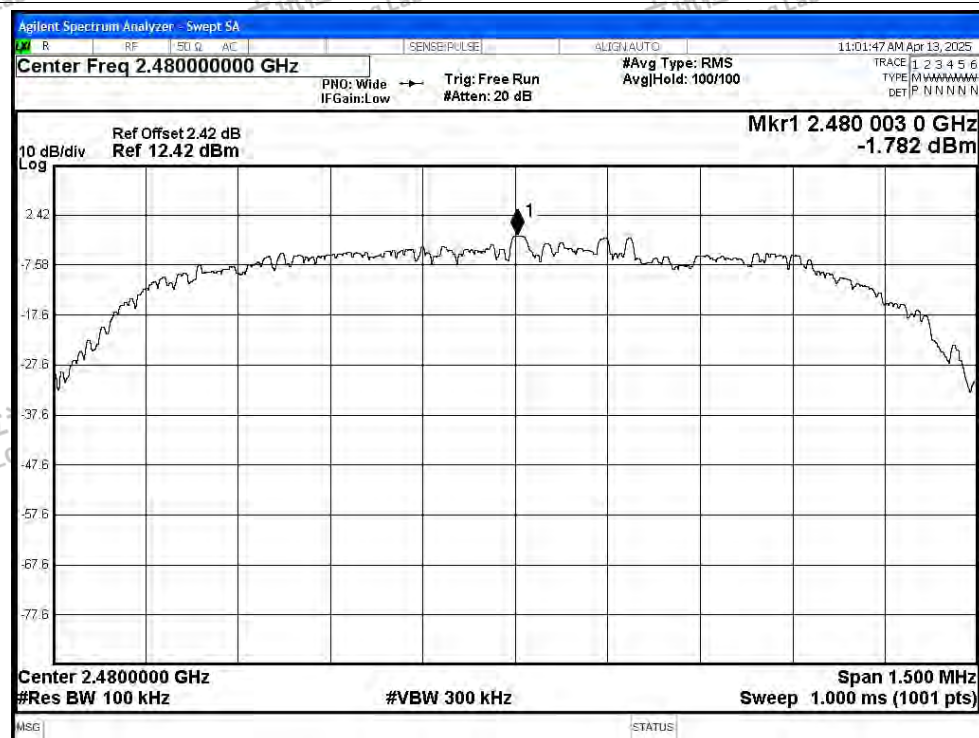


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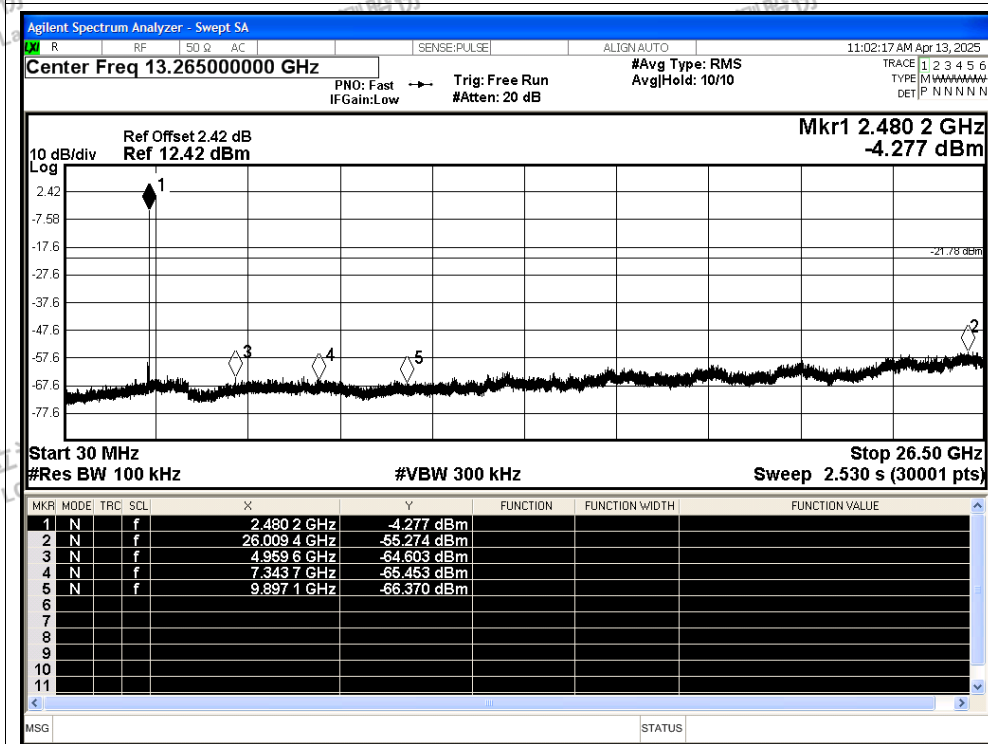




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



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	77.63	1.1	0.34
NVNT	1-DH5	2441	Ant1	77.63	1.1	0.34
NVNT	1-DH5	2480	Ant1	77.6	1.1	0.34
NVNT	2-DH5	2402	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2480	Ant1	77.33	1.12	0.34
NVNT	3-DH5	2402	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2480	Ant1	77.28	1.12	0.35

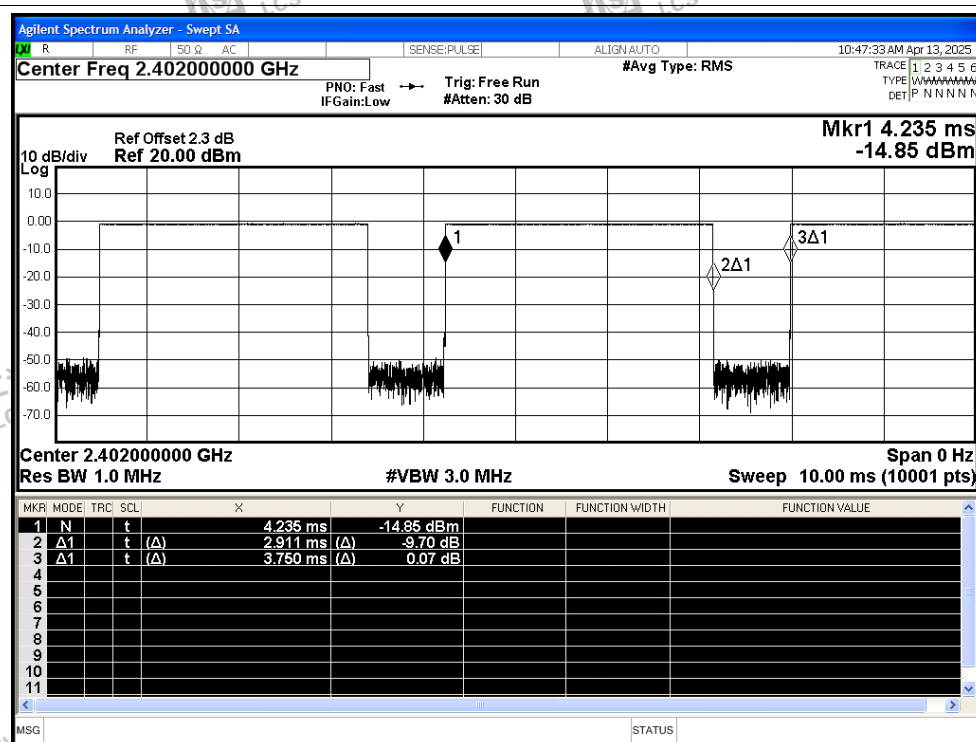


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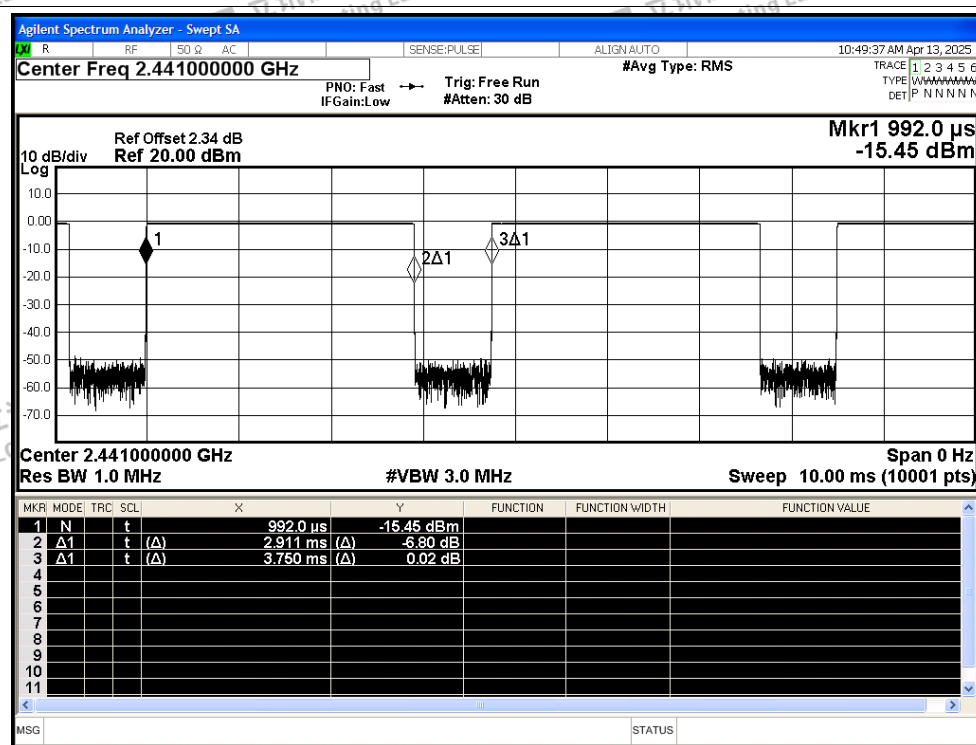


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

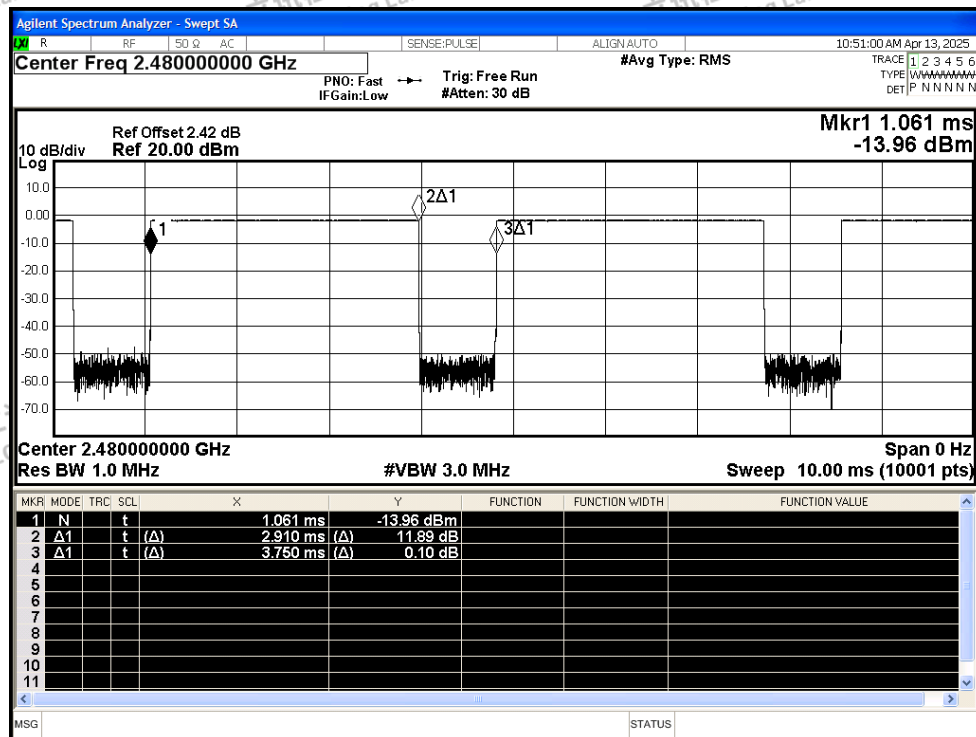


Duty Cycle NVNT 1-DH5 2441MHz Ant1

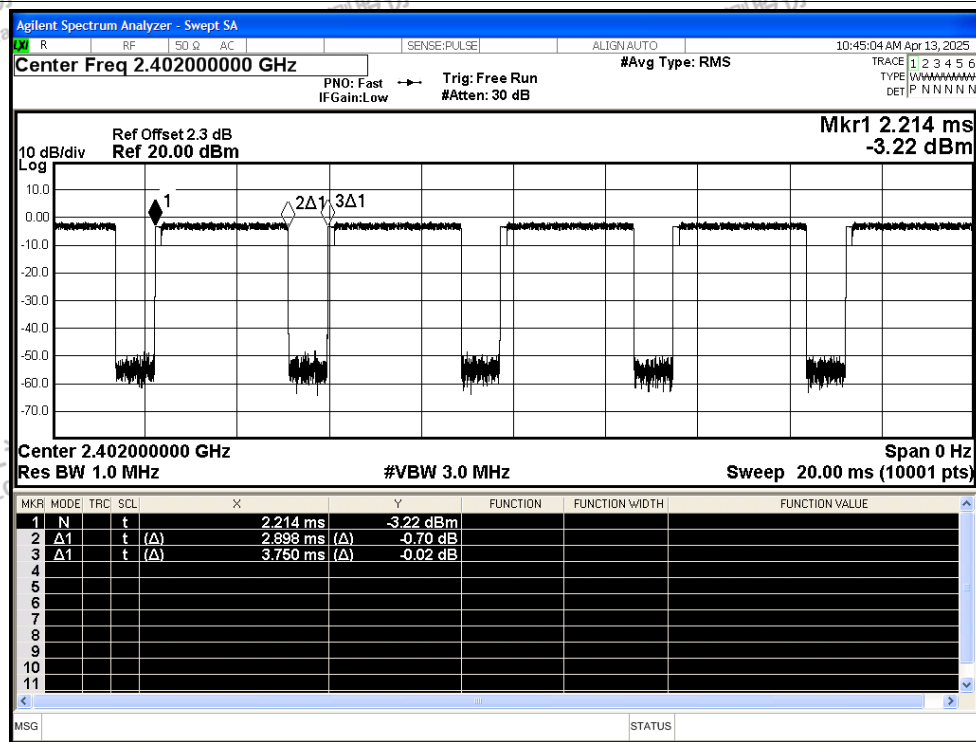




Duty Cycle NVNT 1-DH5 2480MHz Ant1

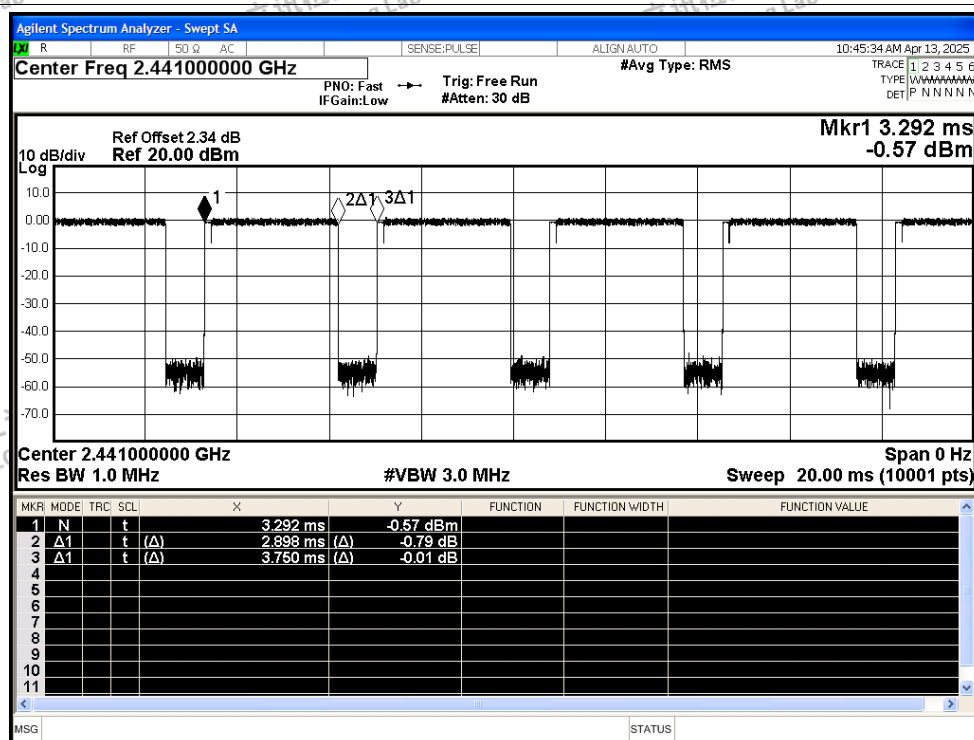


Duty Cycle NVNT 2-DH5 2402MHz Ant1

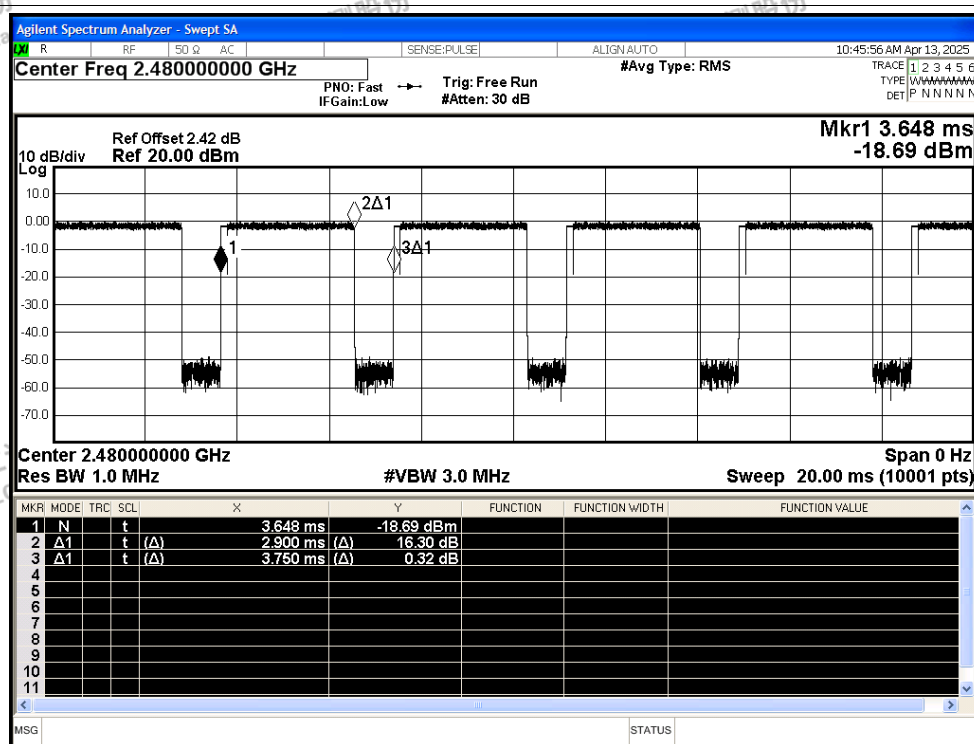




Duty Cycle NVNT 2-DH5 2441MHz Ant1



Duty Cycle NVNT 2-DH5 2480MHz Ant1



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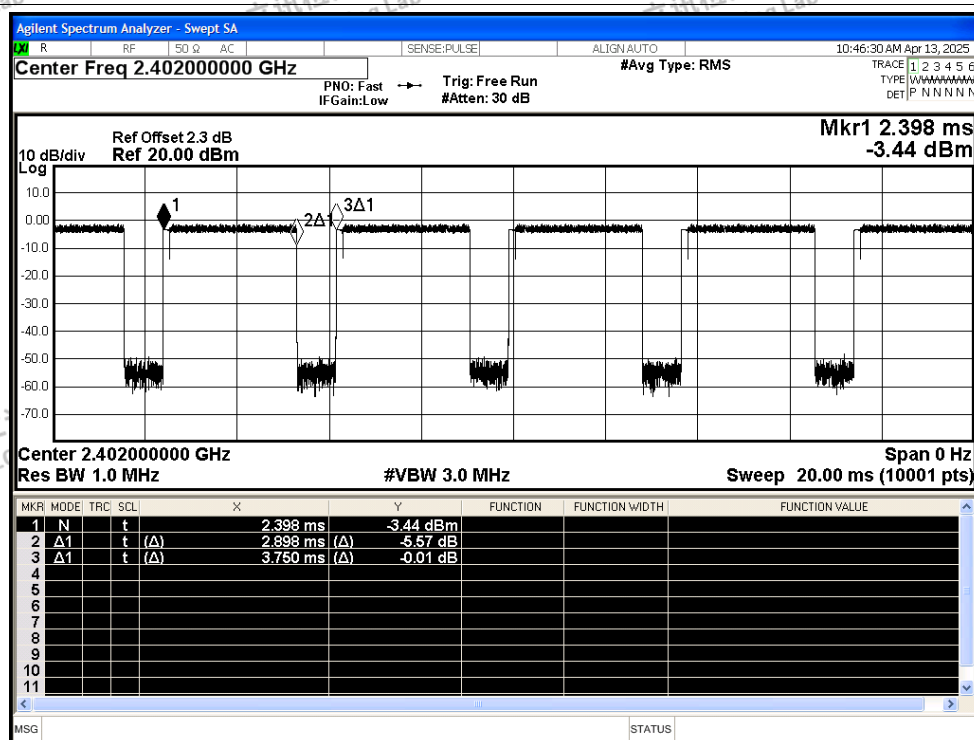
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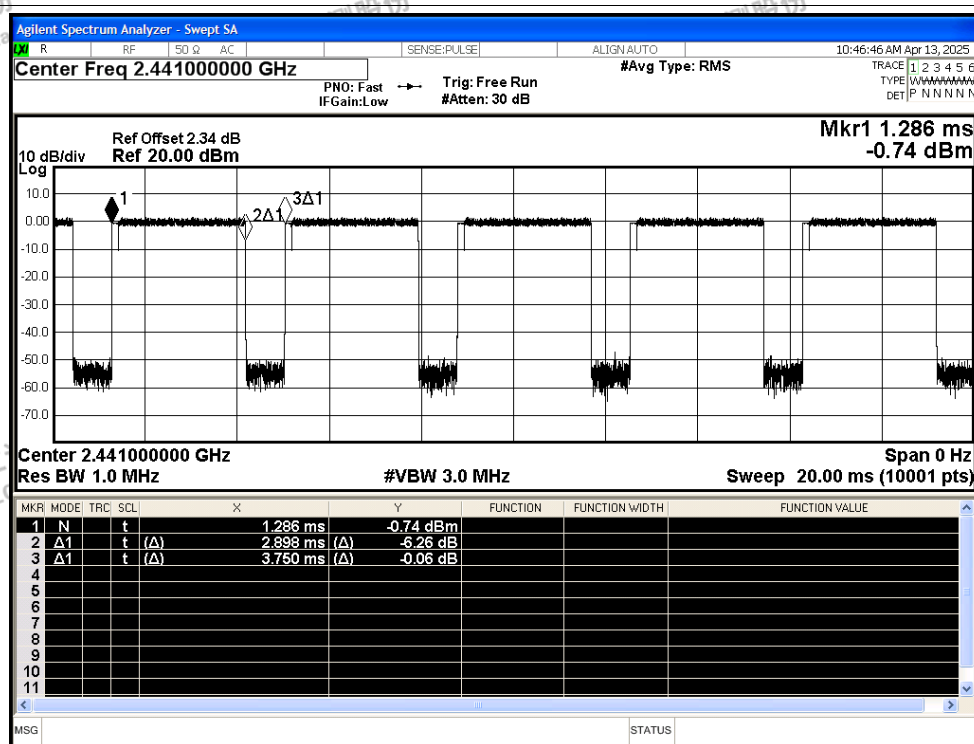
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Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1



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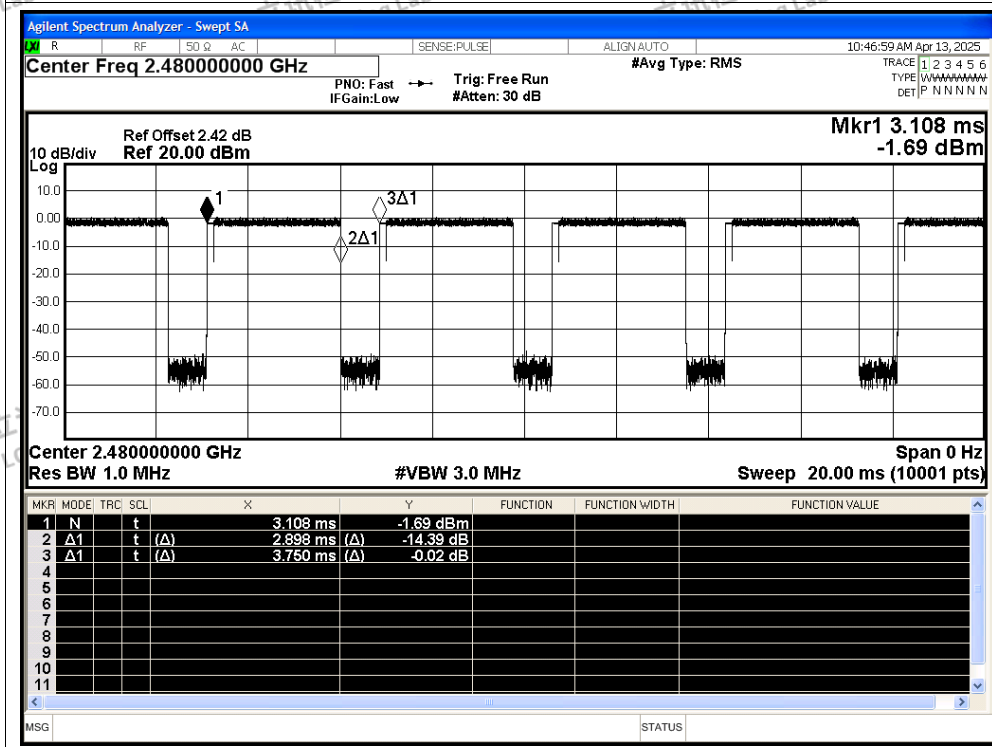
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Duty Cycle NVNT 3-DH5 2480MHz Ant1





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	-50.76	2	-	46.5	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.28	2	1.1	40.08	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2385.36	-47.51	2	-	49.75	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2338.992	-57.57	2	1.1	40.79	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.85	2	-	46.41	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.22	2	1.1	40.14	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-51.14	2	-	46.12	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.33	2	1.1	41.03	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2499.976	-46.73	2	-	50.53	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.856	-56.82	2	1.1	41.54	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-47.12	2	-	50.14	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.8	2	1.1	40.56	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.77	2	-	46.49	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.72	2	1.12	39.66	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2360.496	-46.8	2	-	50.46	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2361.456	-57.42	2	1.12	40.96	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.74	2	-	47.52	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.04	2	1.12	40.34	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.76	2	-	47.5	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.17	2	1.12	41.21	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.752	-45.03	2	-	52.23	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.896	-56.65	2	1.12	41.73	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.26	2	-	47	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.83	2	1.12	40.55	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.49	2	-	45.77	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-59.01	2	1.12	39.37	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2318.64	-46.01	2	-	51.25	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2380.464	-57.47	2	1.12	40.91	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.91	2	-	46.35	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.22	2	1.12	40.16	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-48.81	2	-	48.45	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-56.75	2	1.12	41.63	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2499.016	-45.97	2	-	51.29	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-56.75	2	1.12	41.63	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.61	2	-	46.65	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.54	2	1.12	40.84	Average	54	Pass



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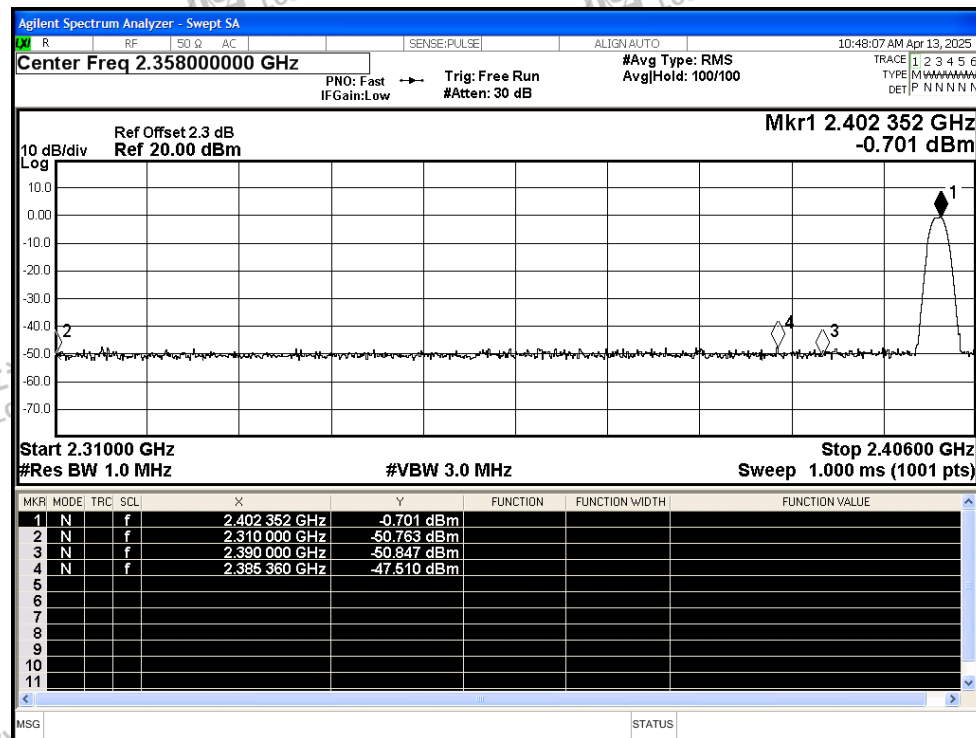
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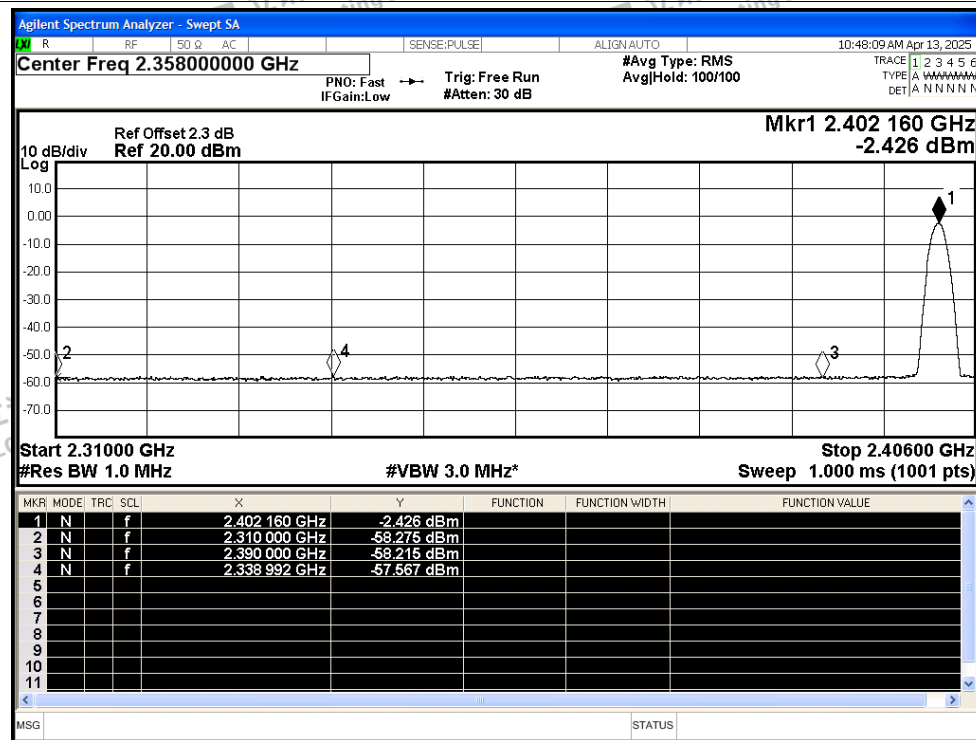


Test Graphs

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

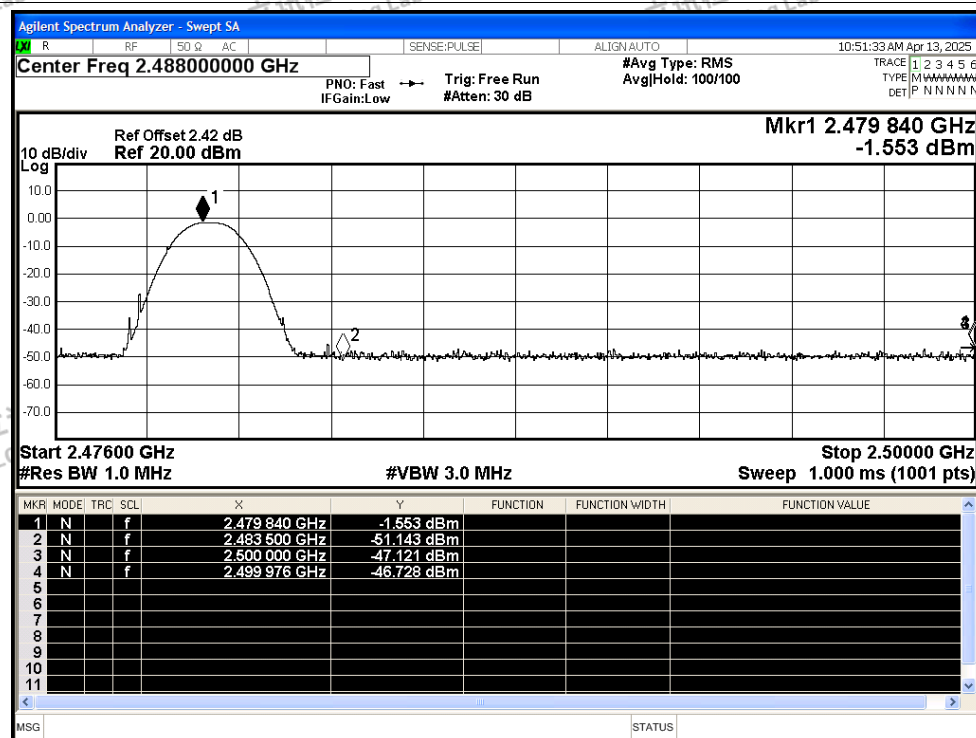


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

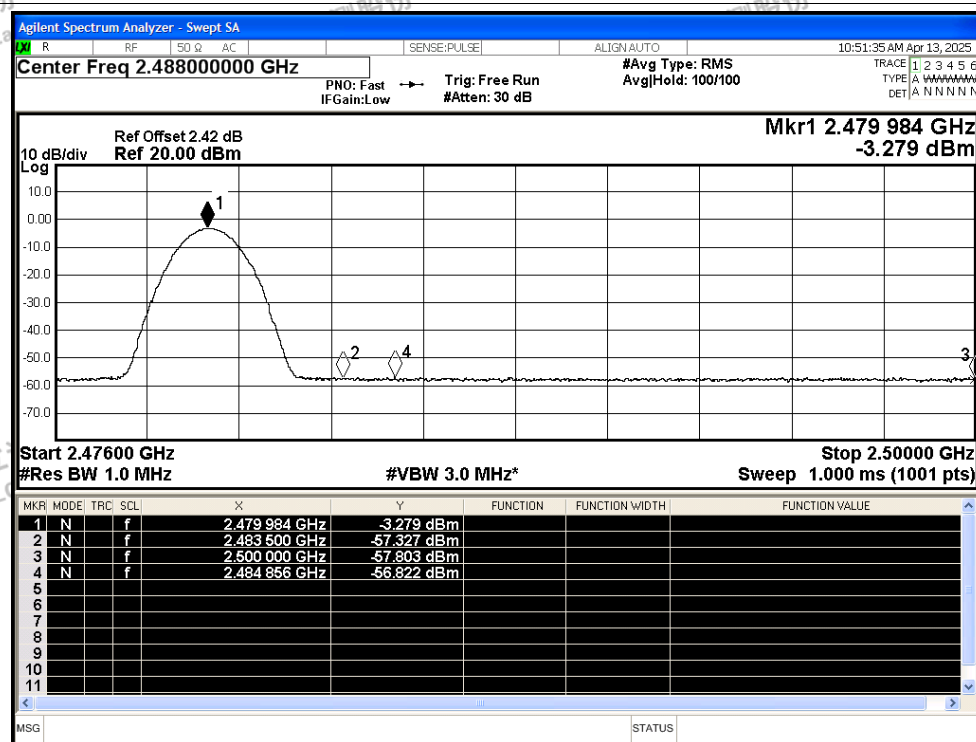




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

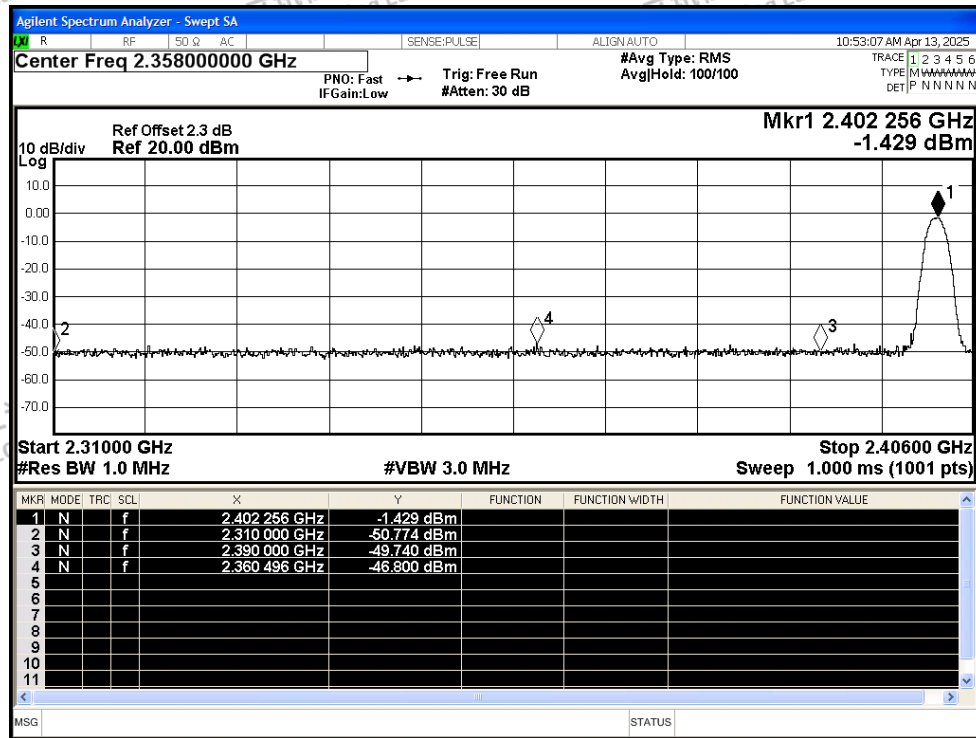


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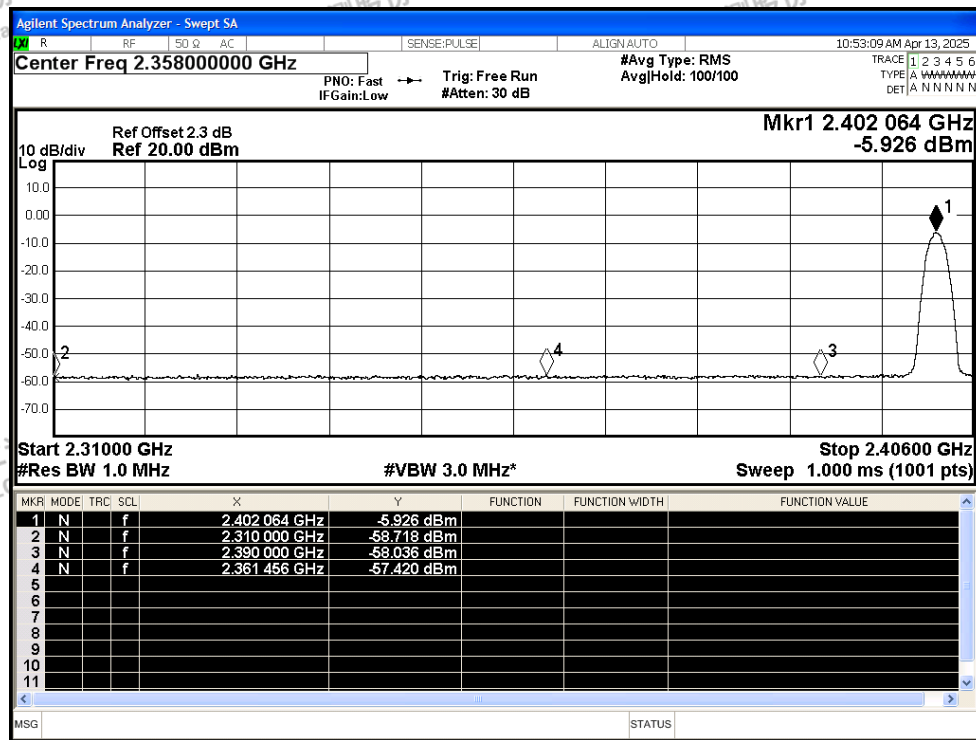




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

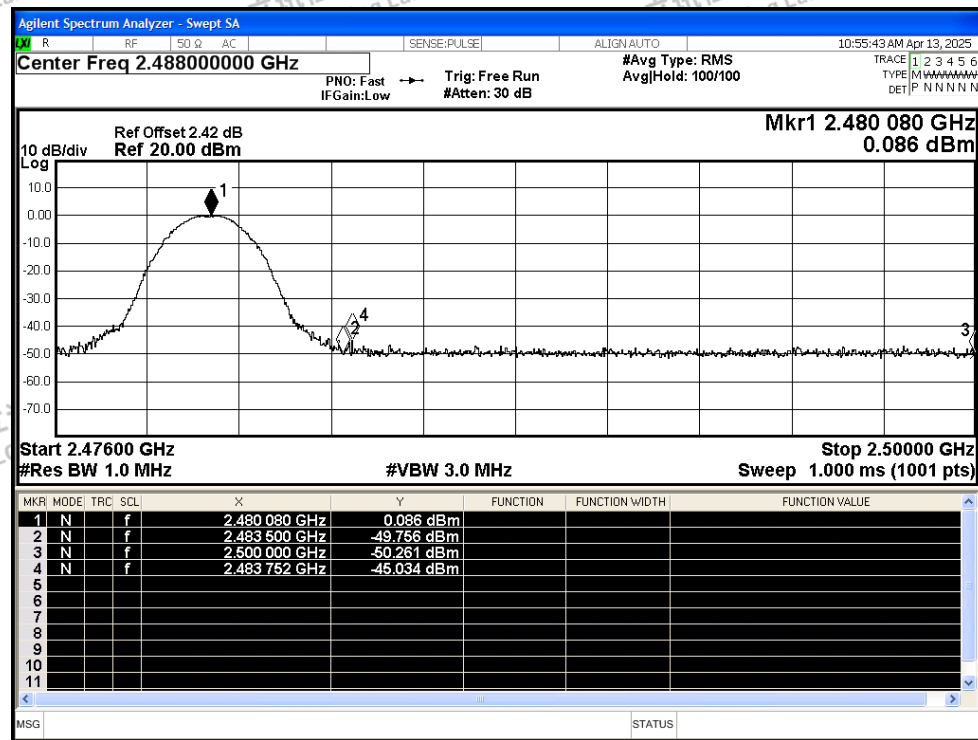


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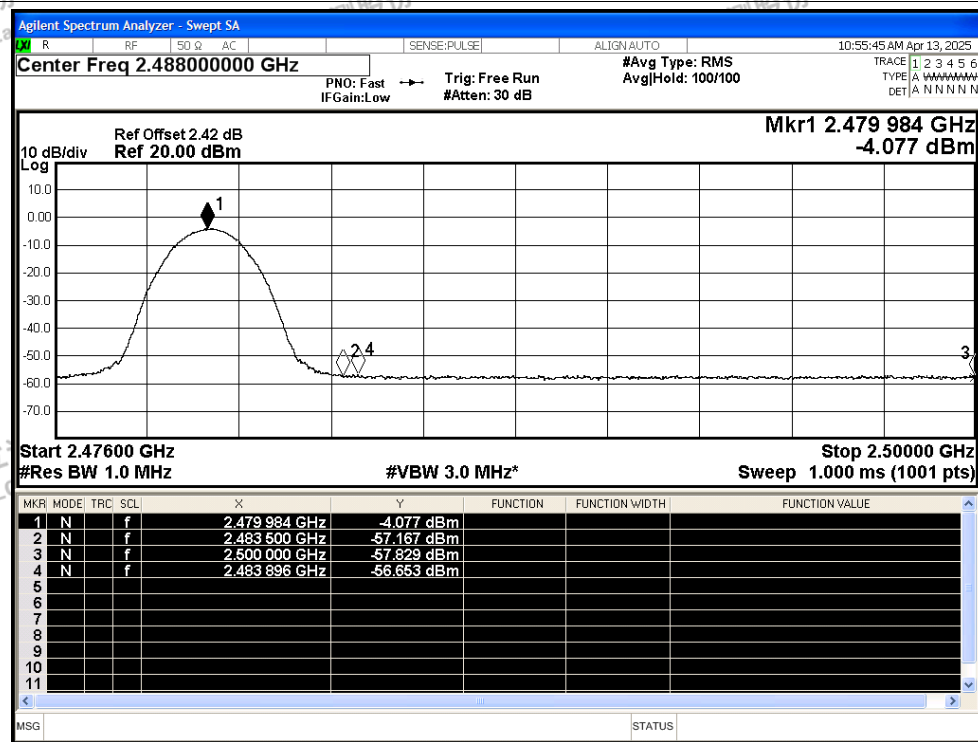




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



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



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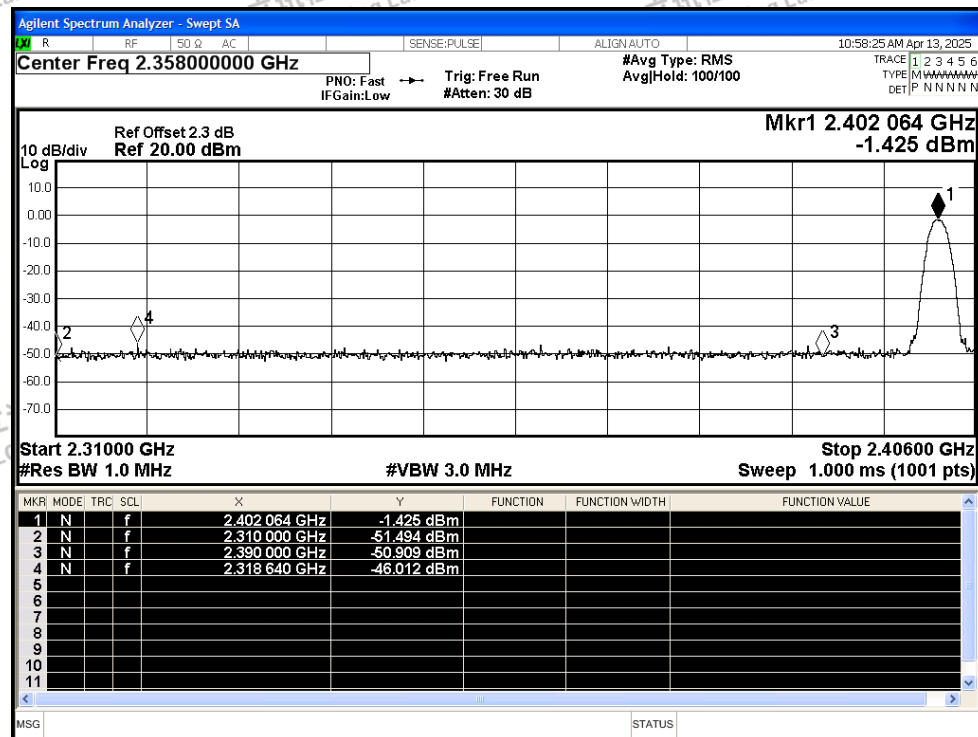
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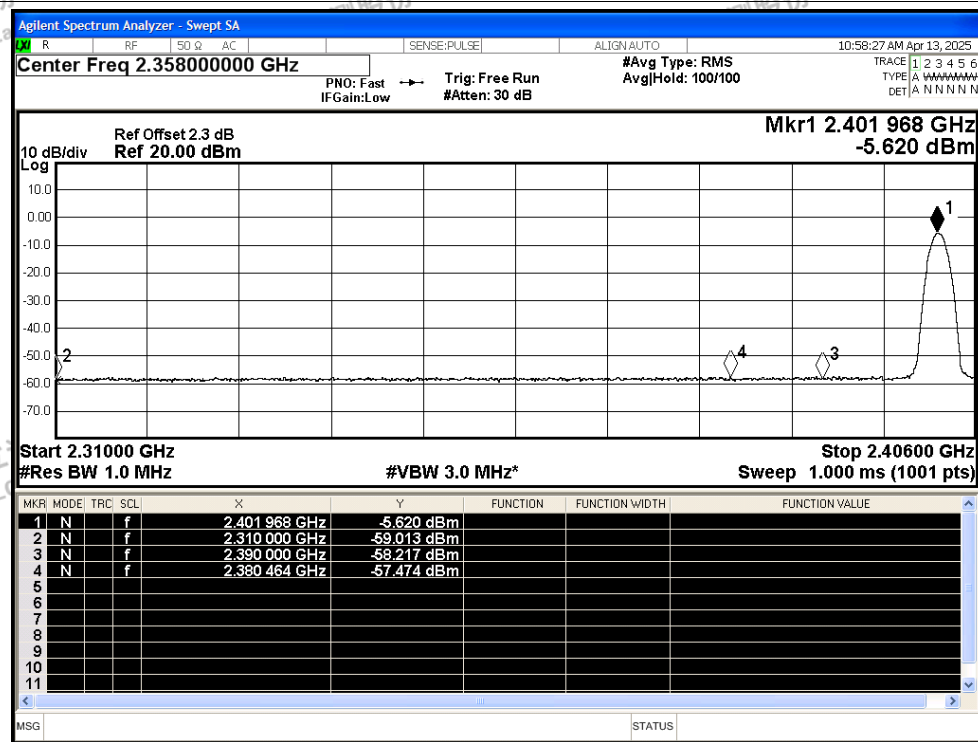
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Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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



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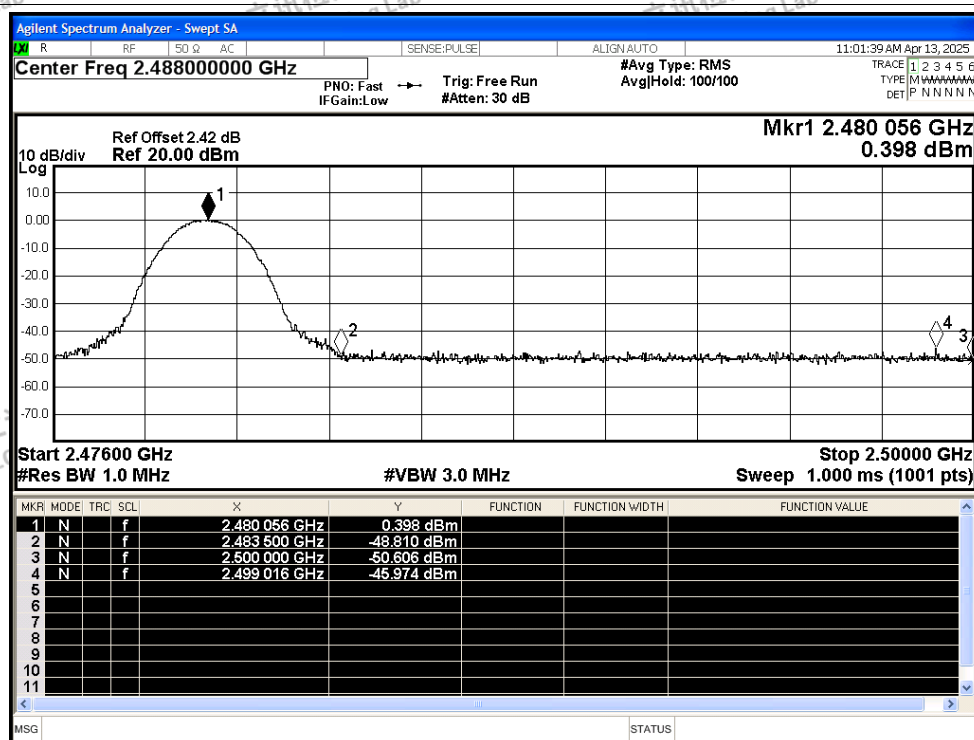
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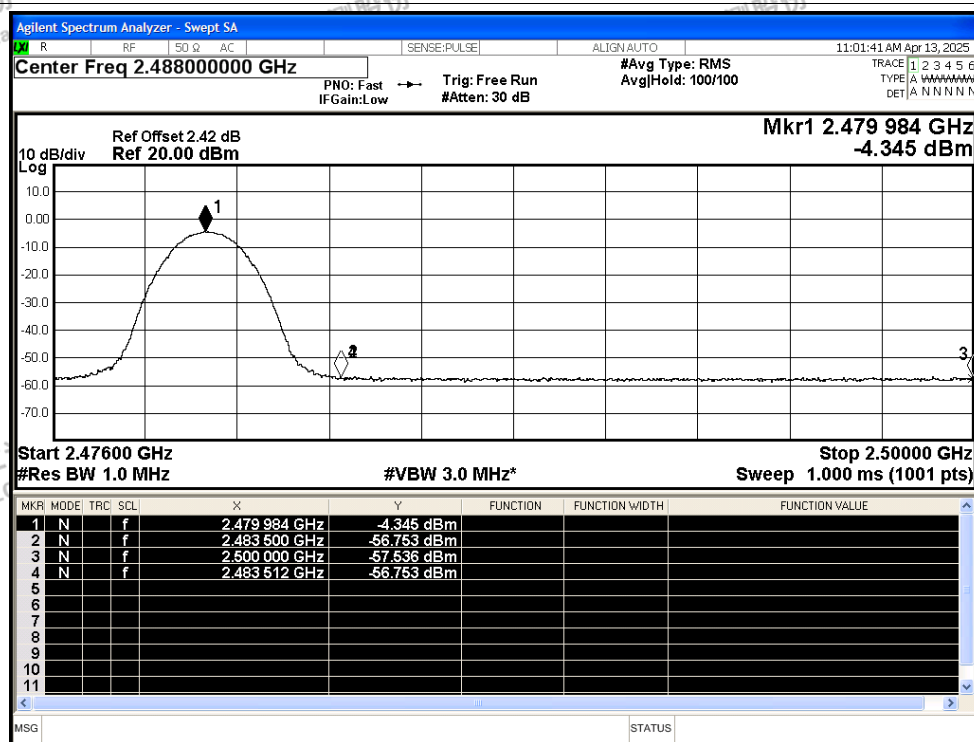
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Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



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



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