



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Notebook

Test Model: KS-95

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Li Huan



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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.1 -20dB Bandwidth

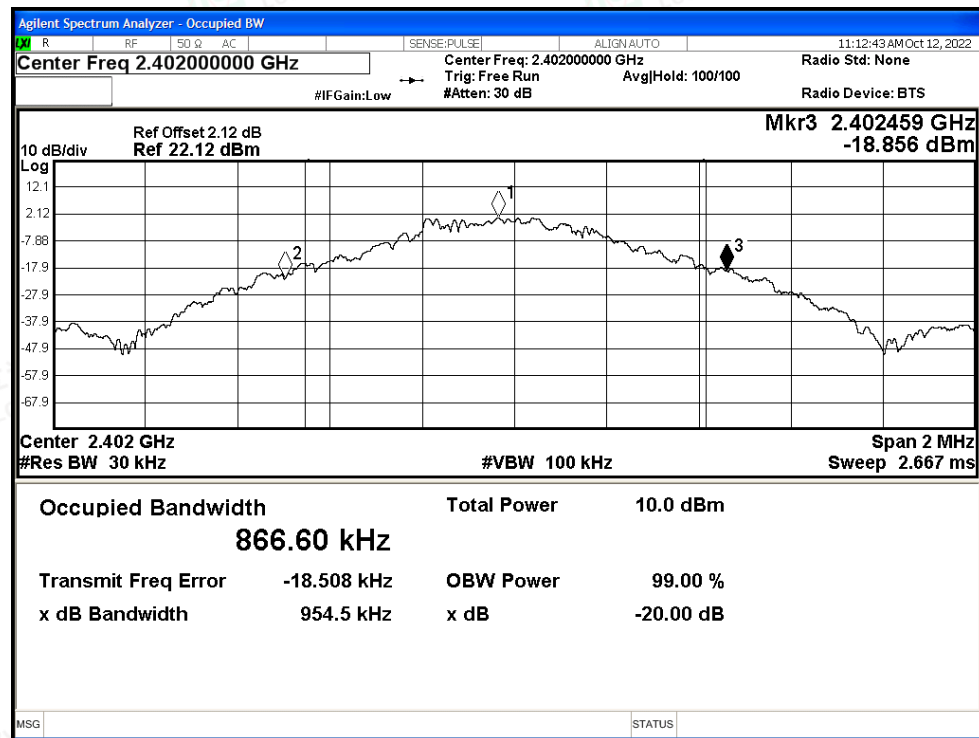
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.955	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.012	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.955	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.271	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.271	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.339	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.27	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.256	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.341	N/A	Pass



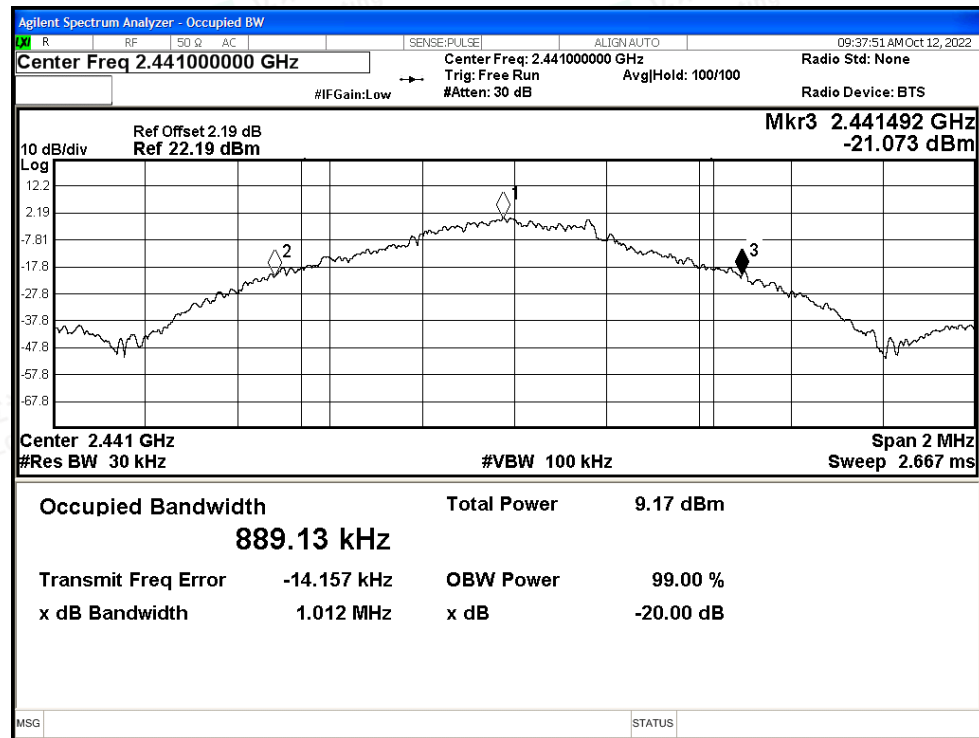


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

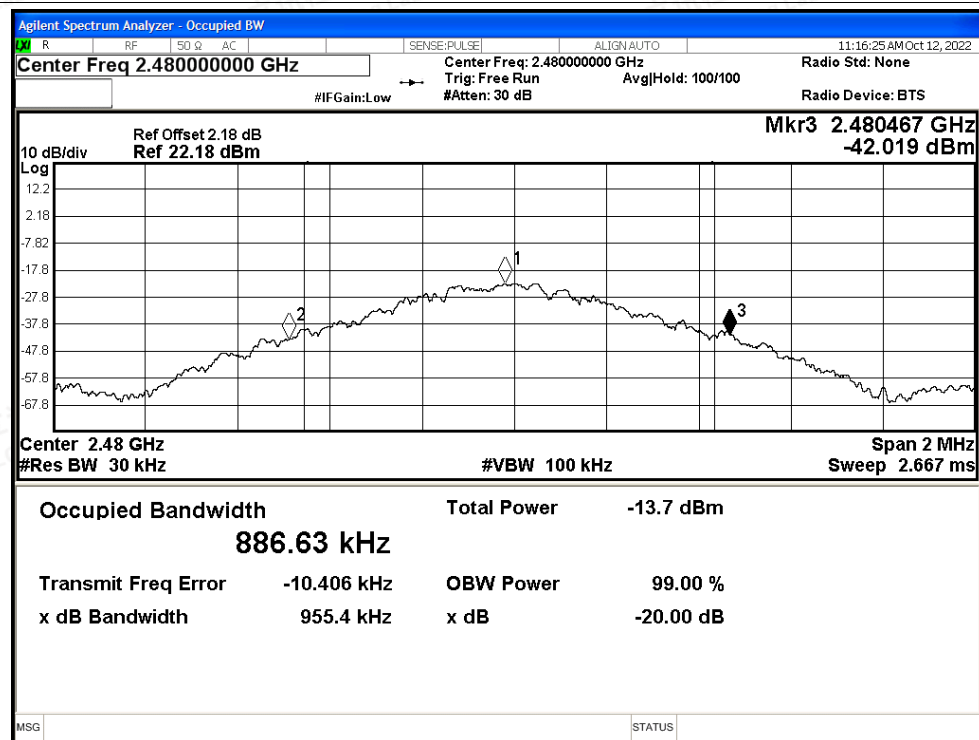


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

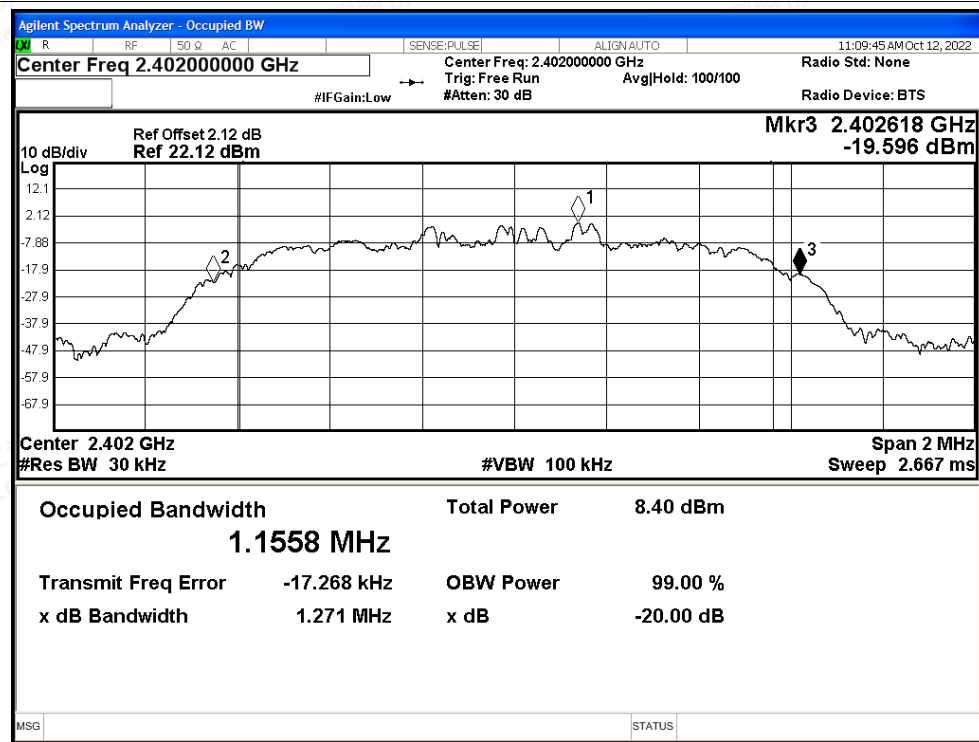




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

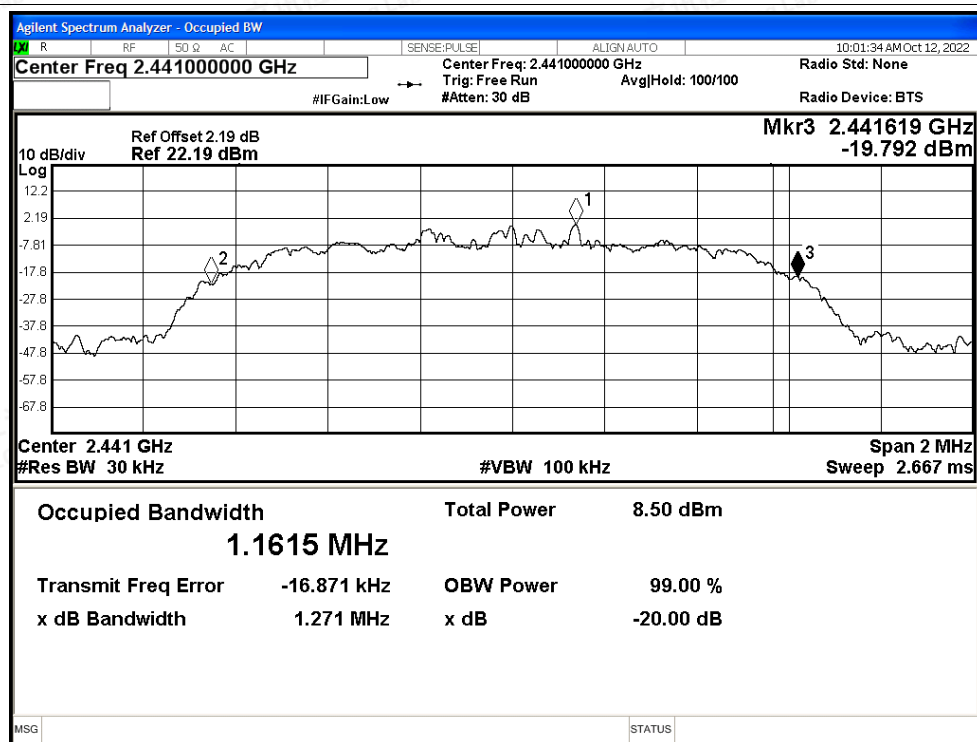


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

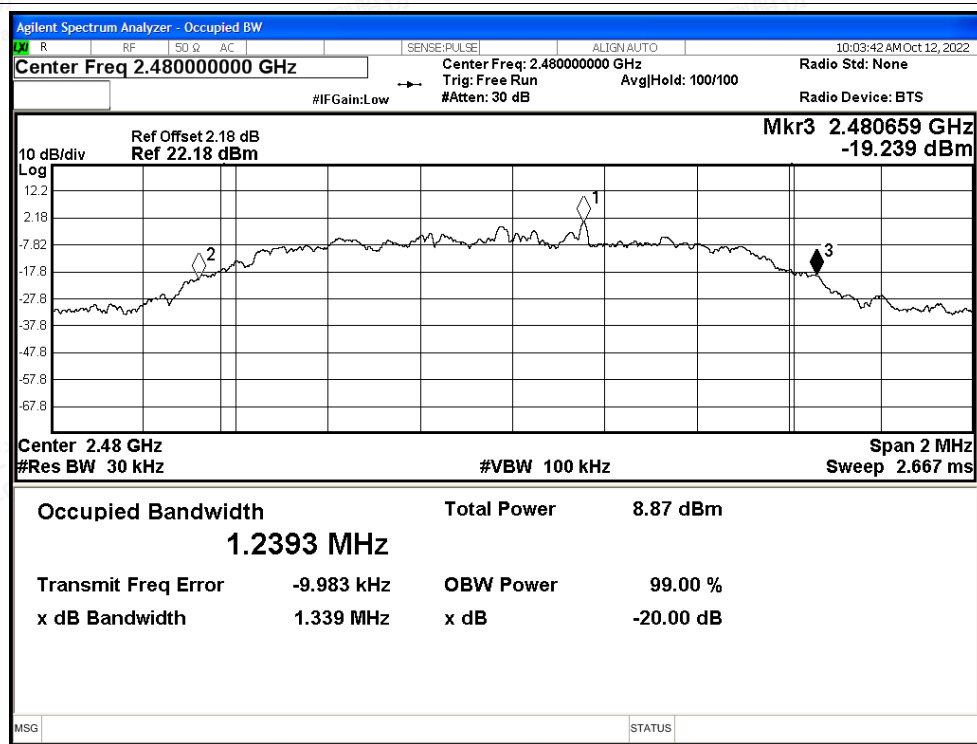




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

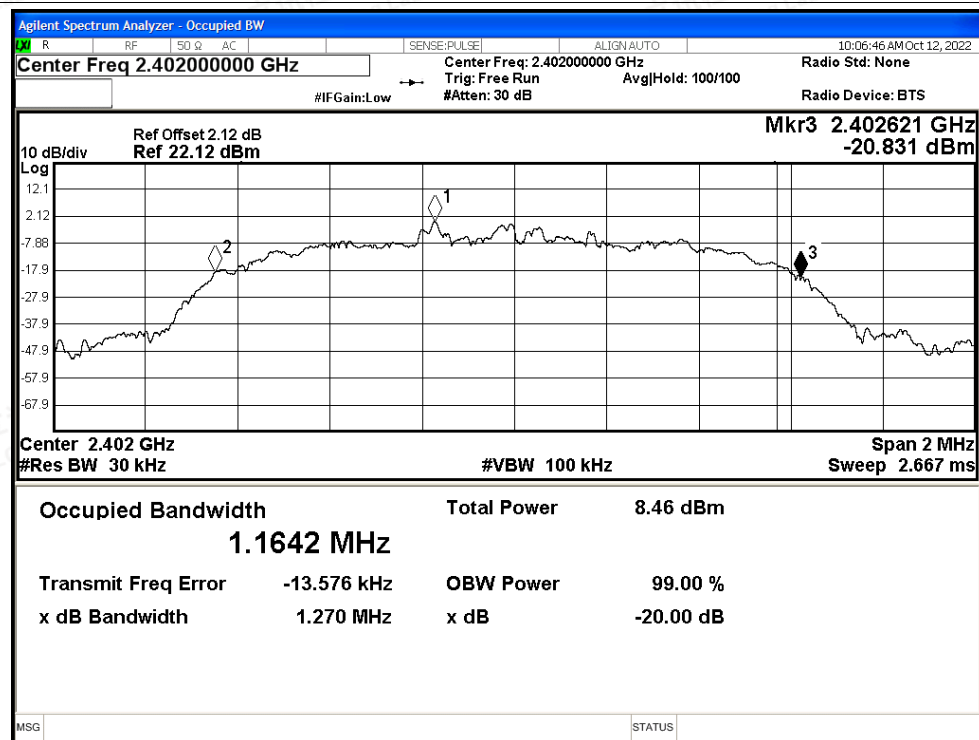


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

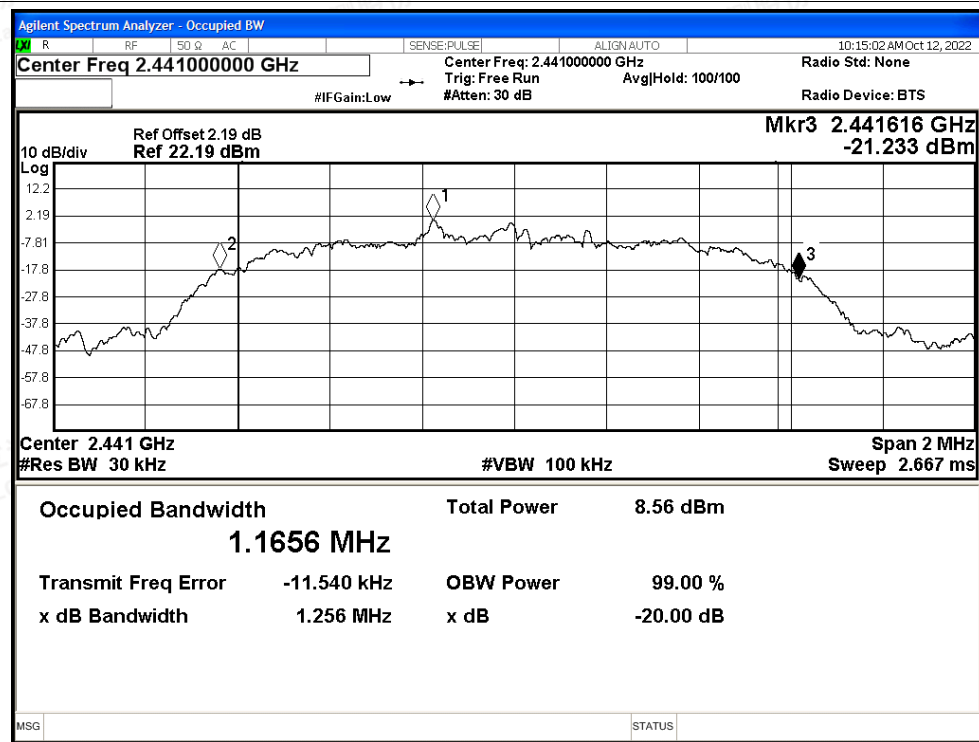


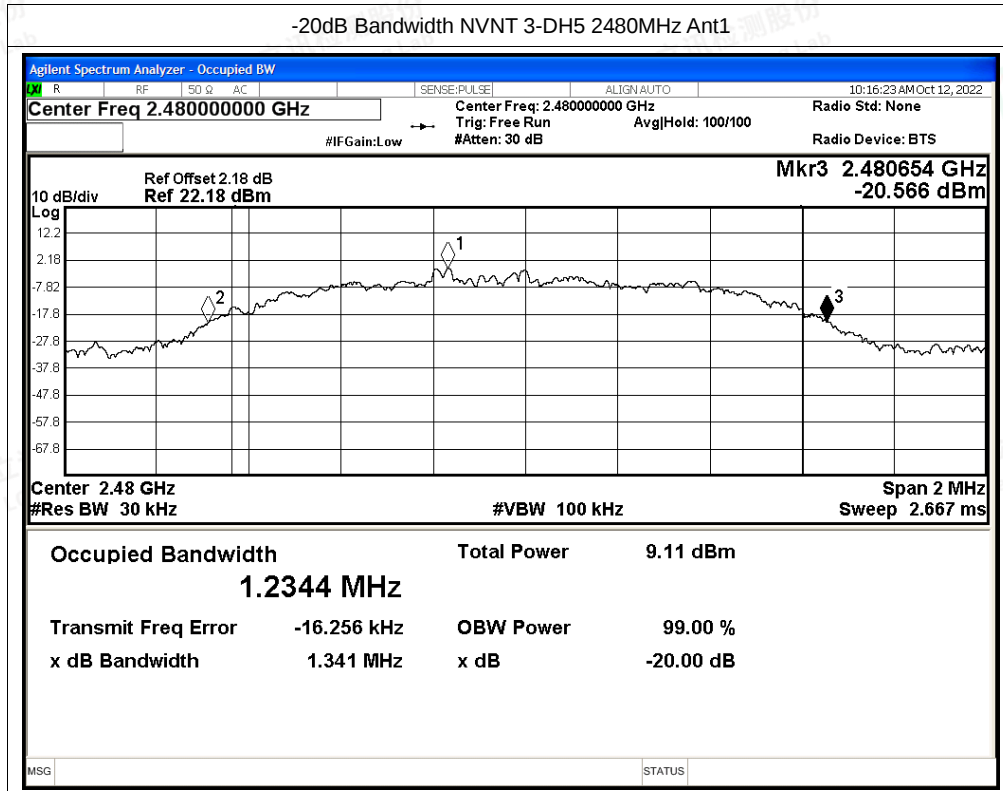


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum Conducted Output Power

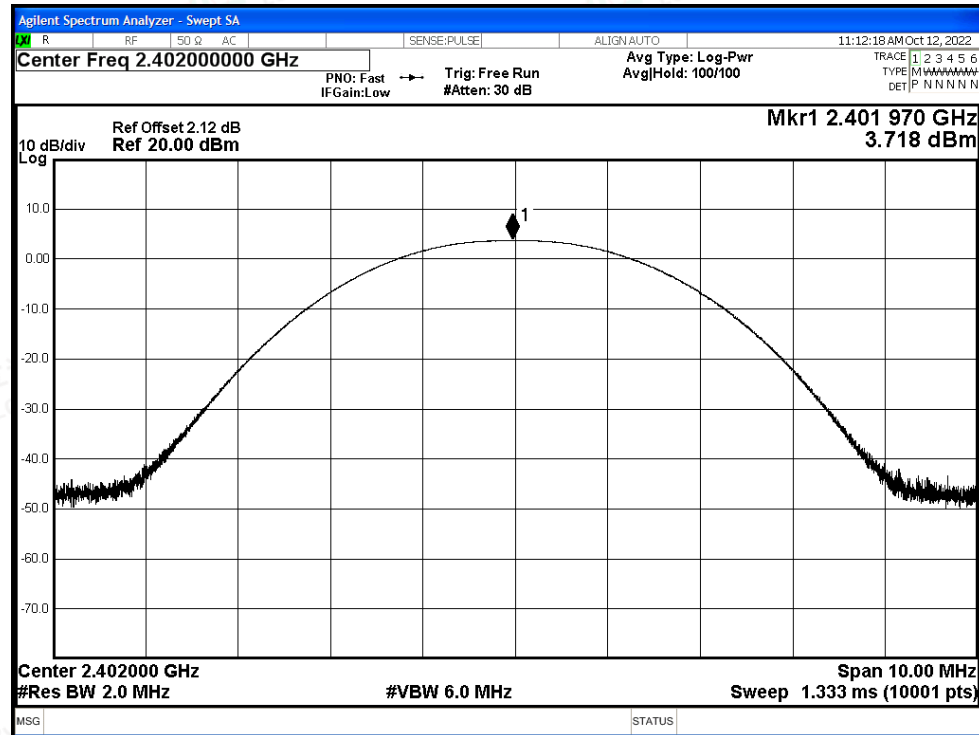
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	3.72	21	Pass
NVNT	1-DH5	2441	Ant1	2.54	21	Pass
NVNT	1-DH5	2480	Ant1	3.15	21	Pass
NVNT	2-DH5	2402	Ant1	3.07	21	Pass
NVNT	2-DH5	2441	Ant1	3.25	21	Pass
NVNT	2-DH5	2480	Ant1	2.79	21	Pass
NVNT	3-DH5	2402	Ant1	3.34	21	Pass
NVNT	3-DH5	2441	Ant1	3.54	21	Pass
NVNT	3-DH5	2480	Ant1	2.89	21	Pass



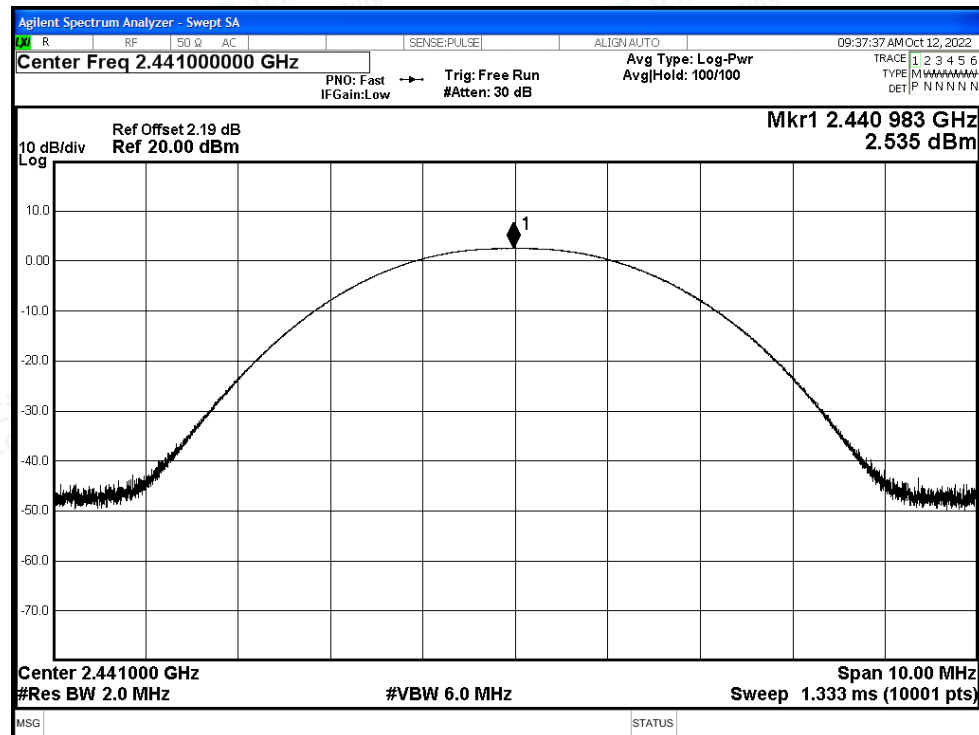


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

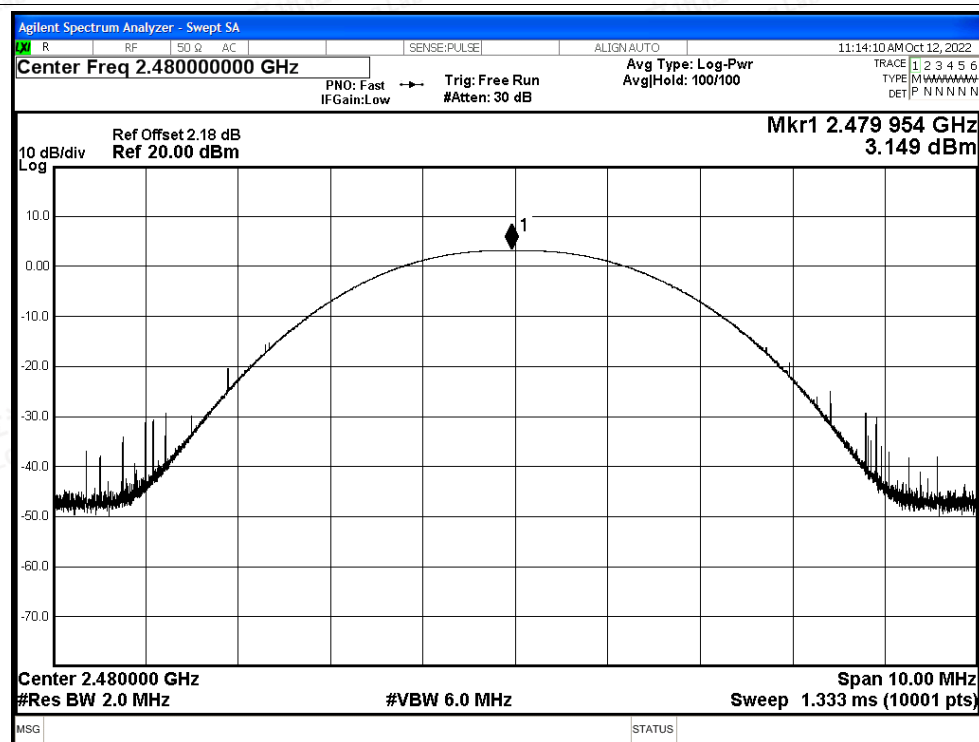


Power NVNT 1-DH5 2441MHz Ant1

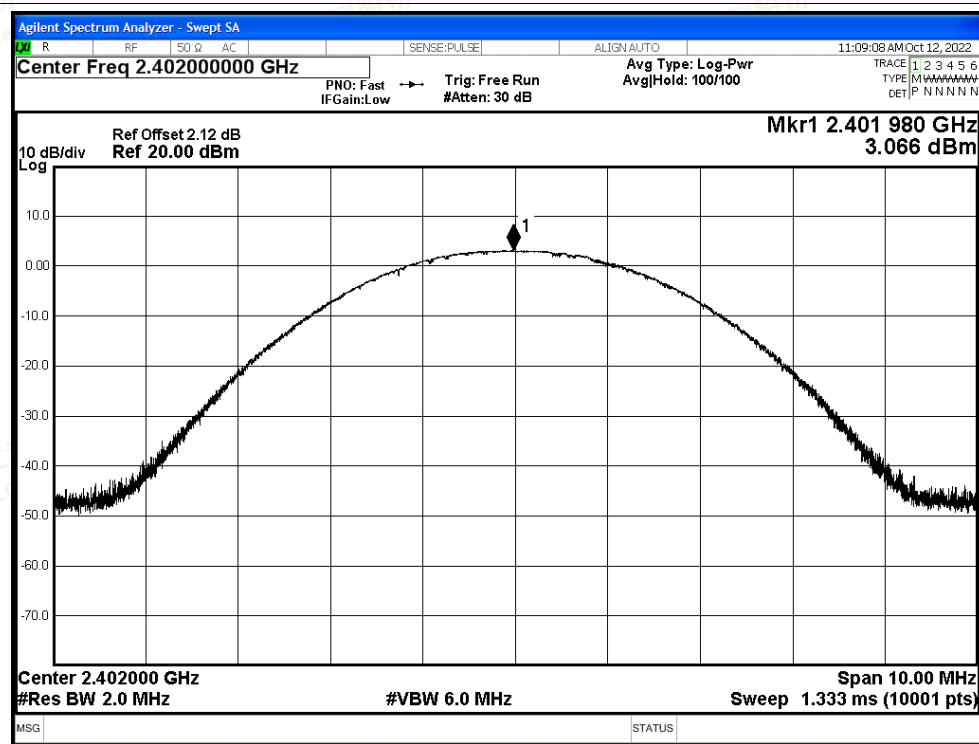


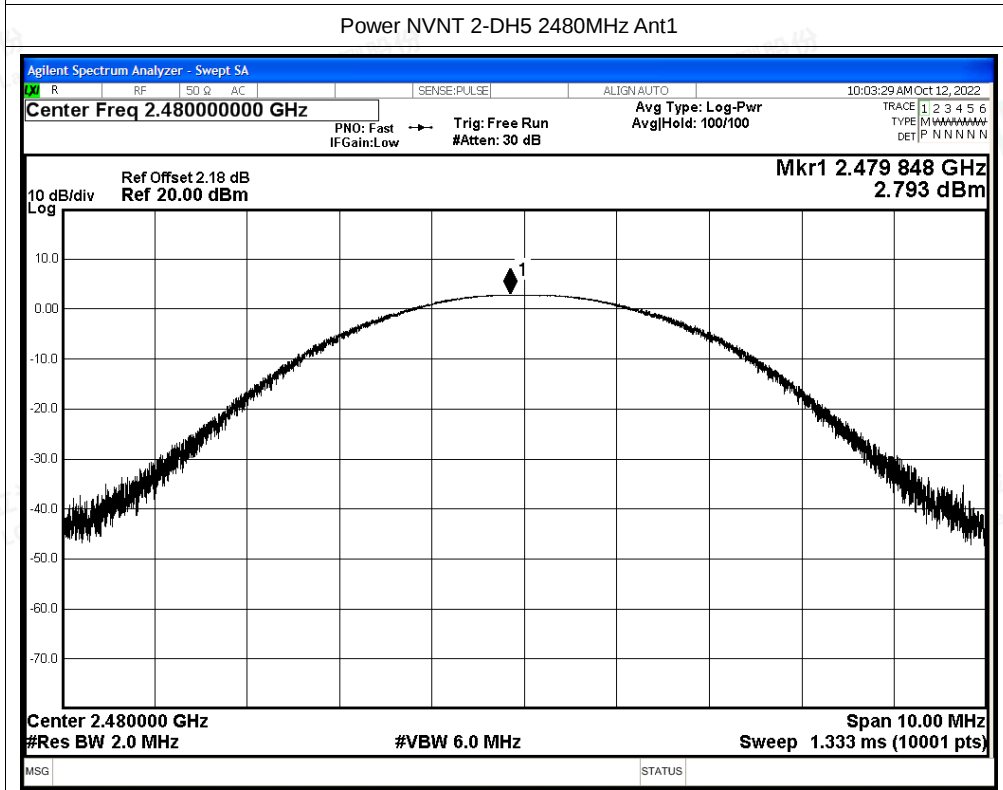
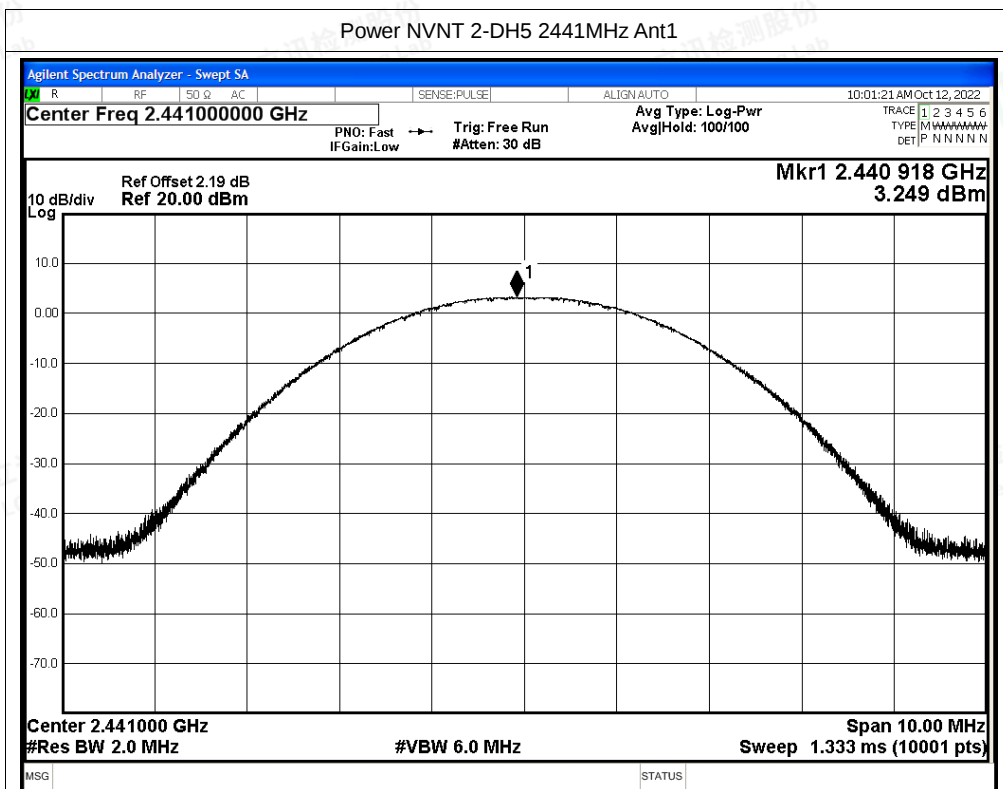


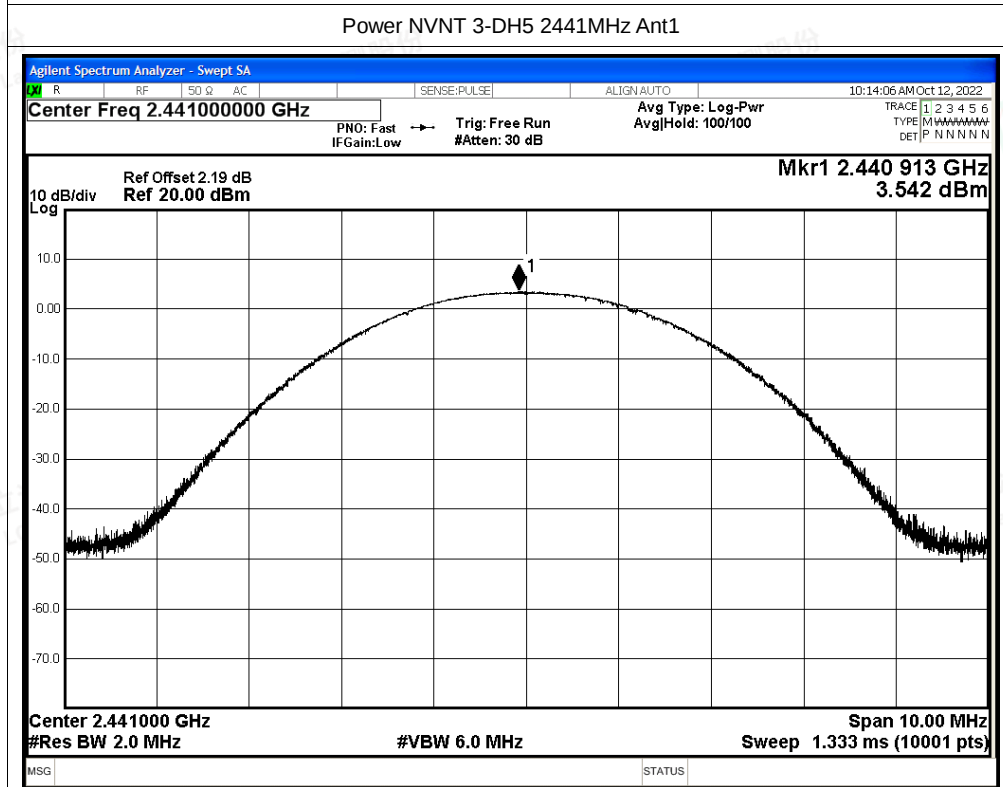
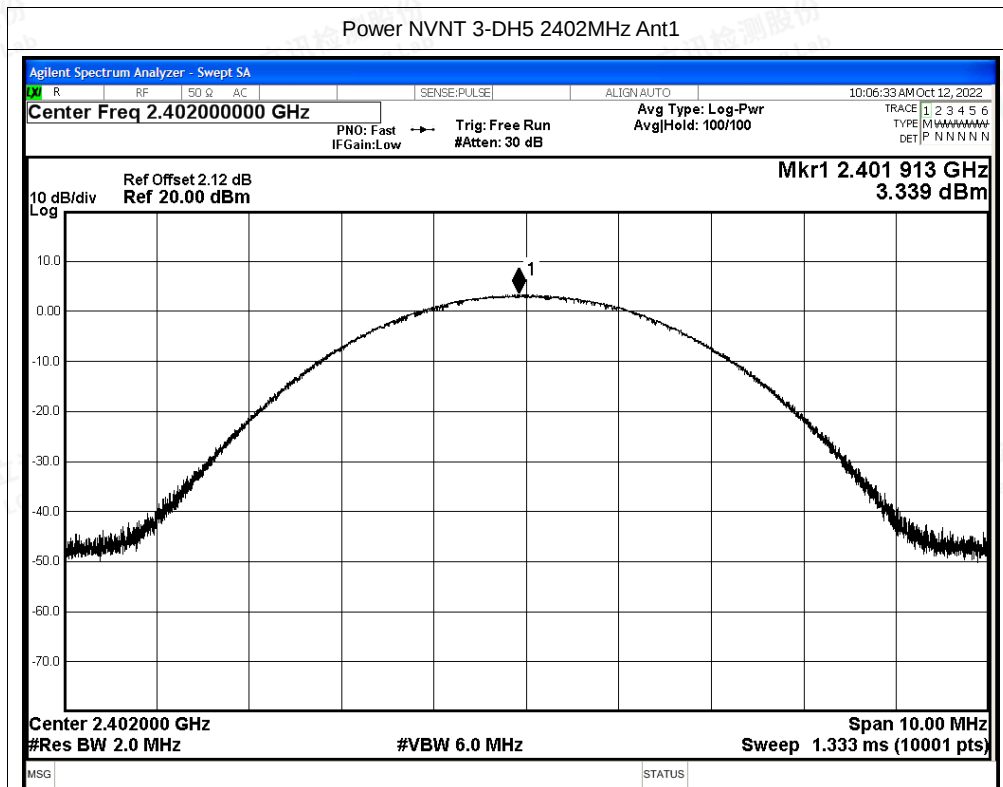
Power NVNT 1-DH5 2480MHz Ant1

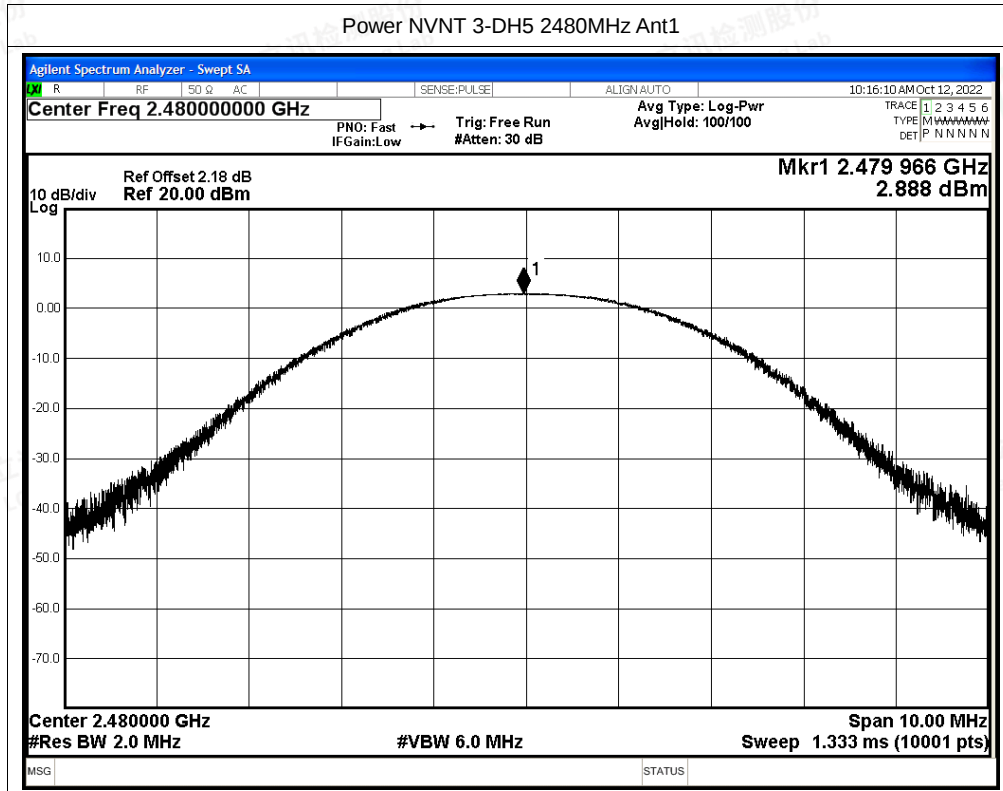


Power NVNT 2-DH5 2402MHz Ant1











A.3 Carrier Frequencies Separation

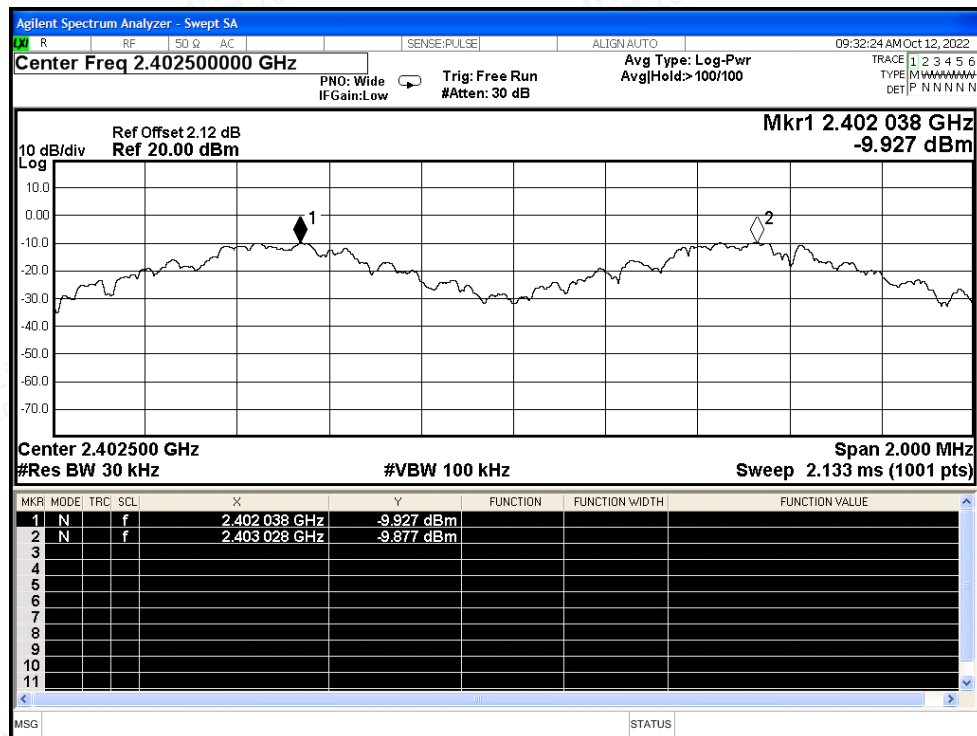
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.038	2403.028	0.99	0.633	Pass
NVNT	2-DH5	Ant1	2401.826	2402.948	1.122	0.851	Pass
NVNT	3-DH5	Ant1	2401.942	2402.82	0.878	0.847	Pass



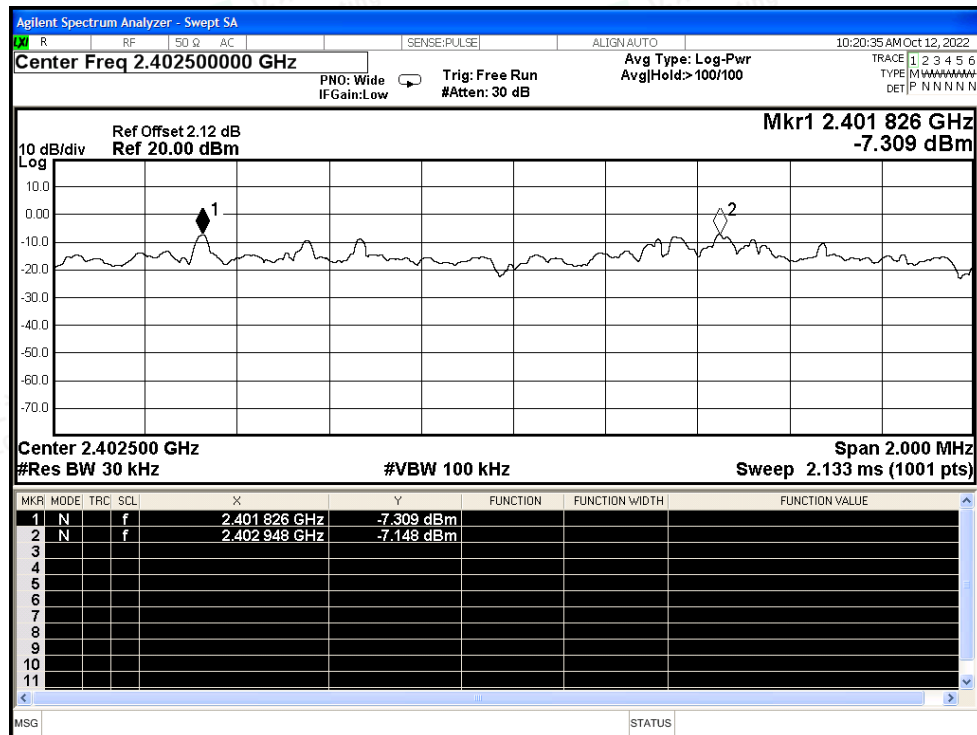


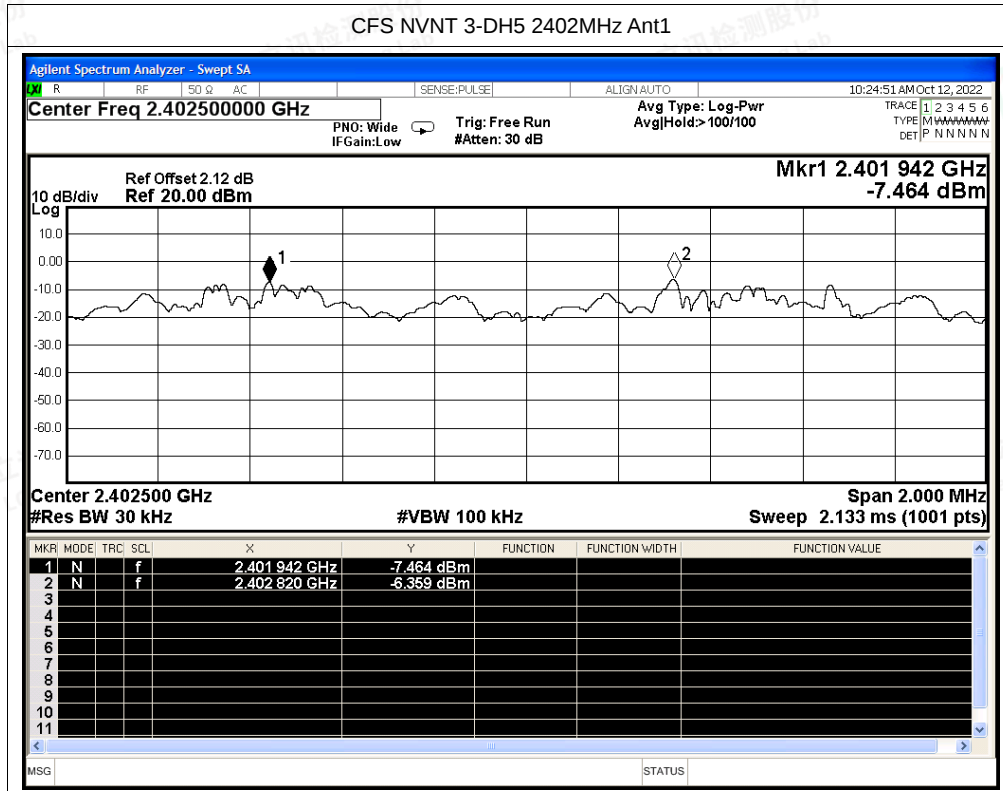
Test Graphs

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	2.887	303.135	105	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.891	283.318	98	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.893	251.691	87	31600	400	Pass

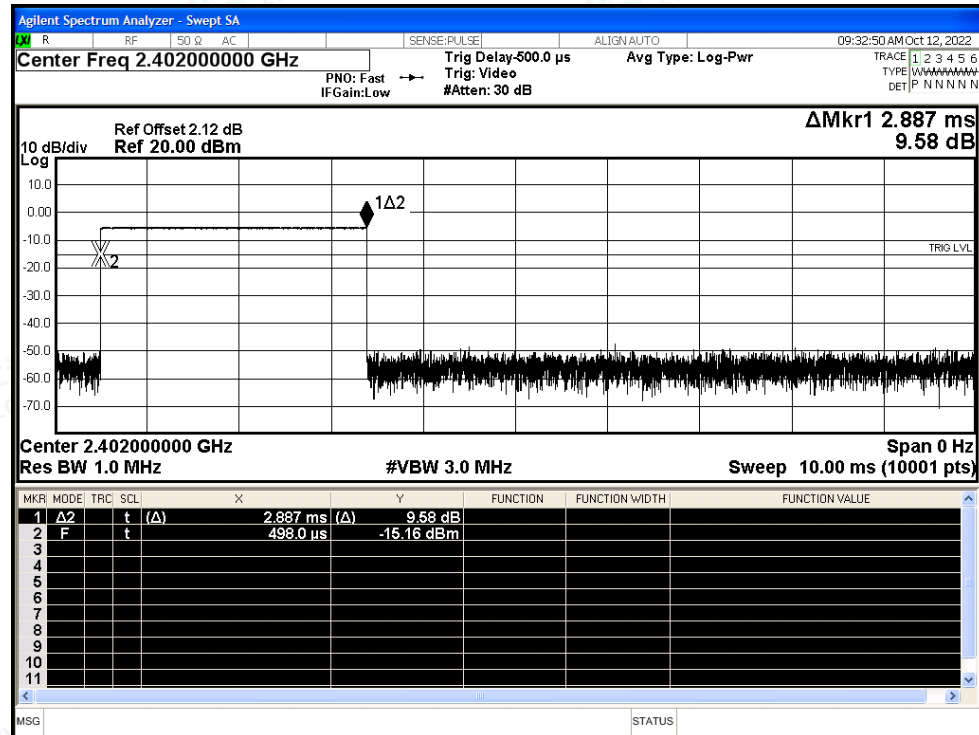


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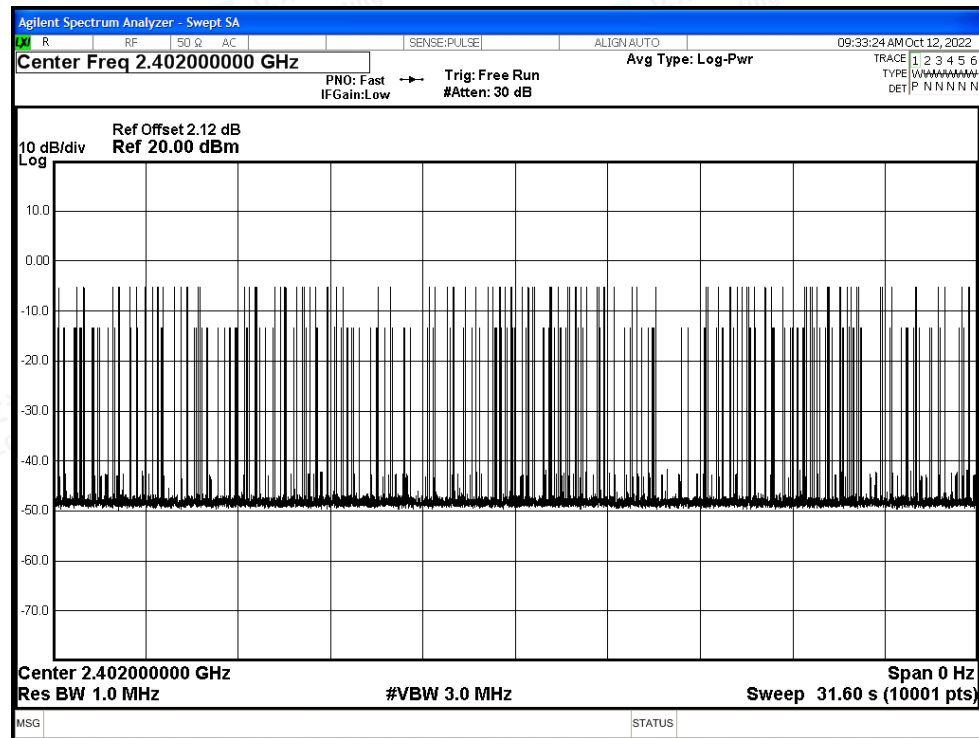


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

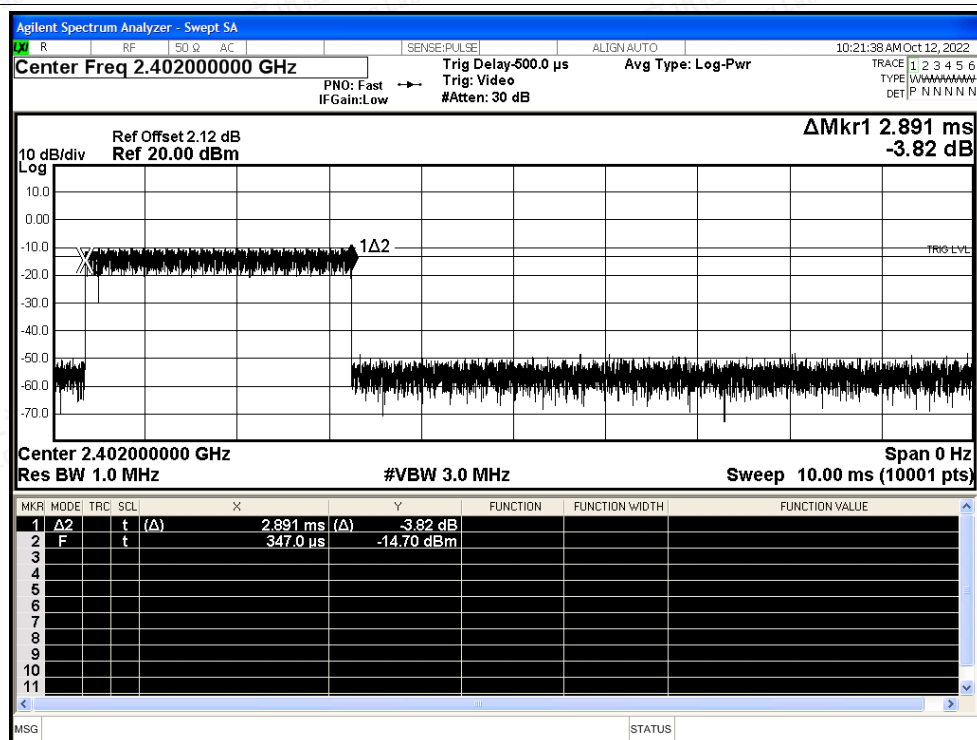


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

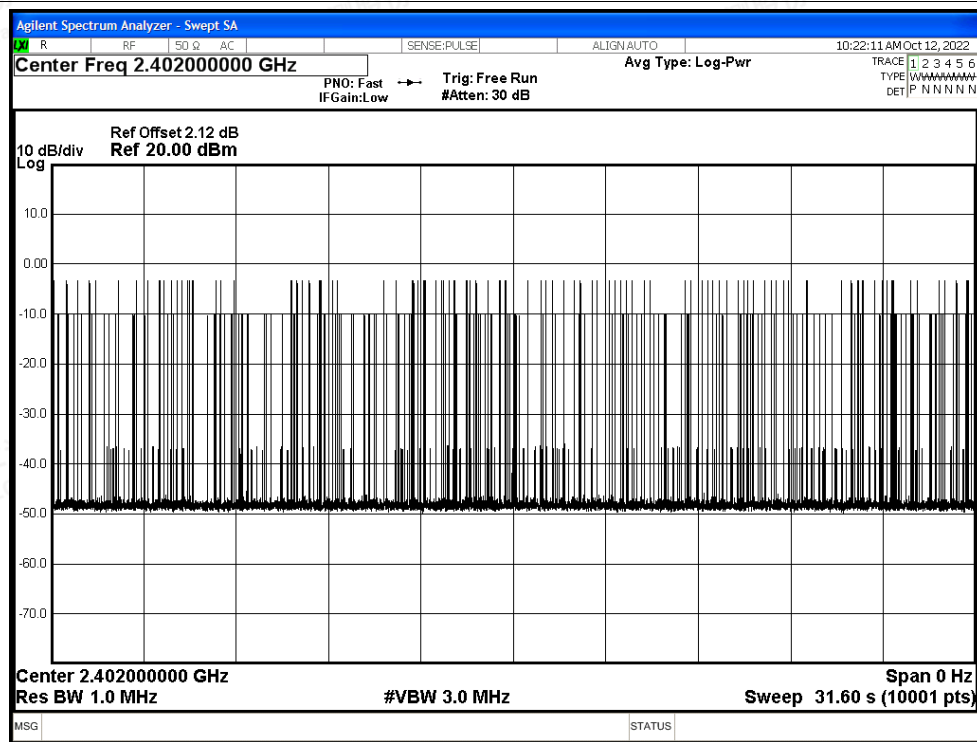




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



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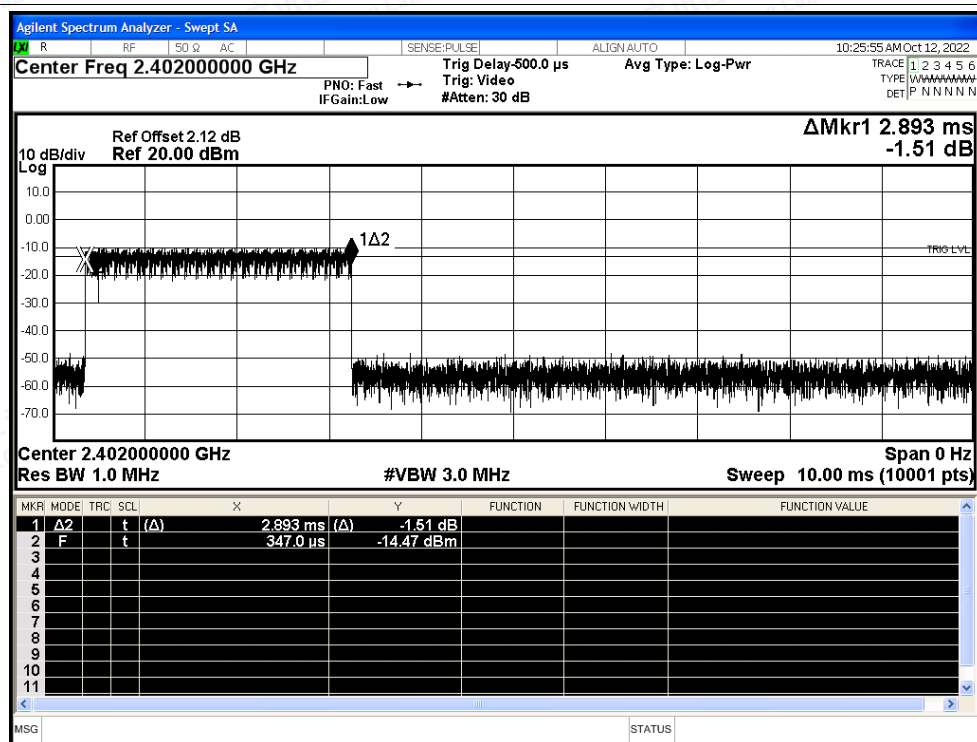
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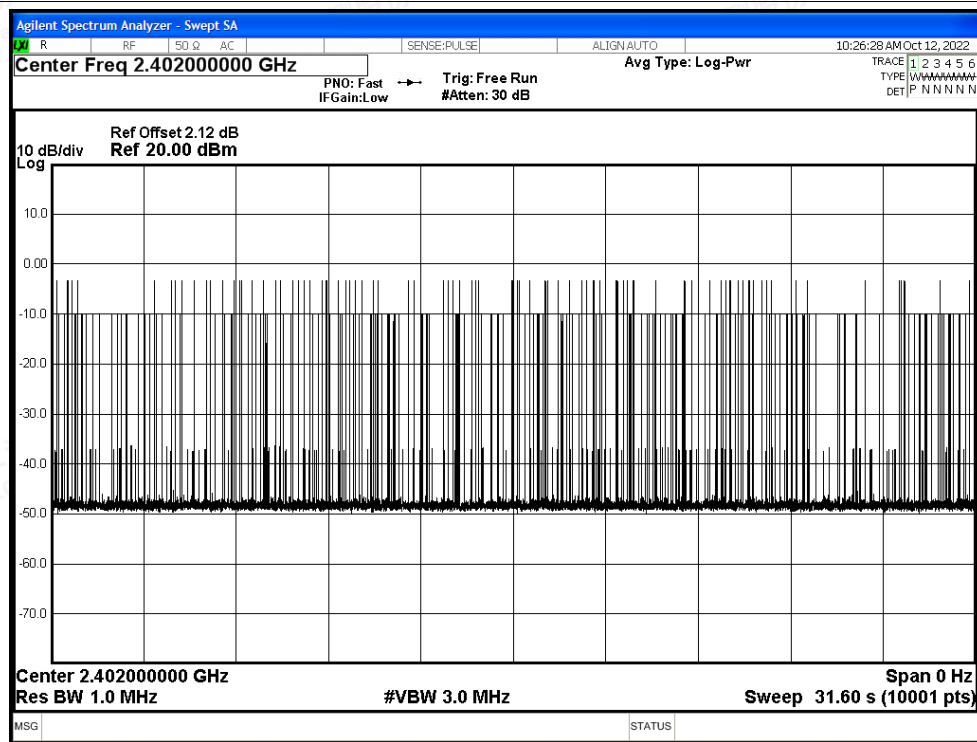
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Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



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

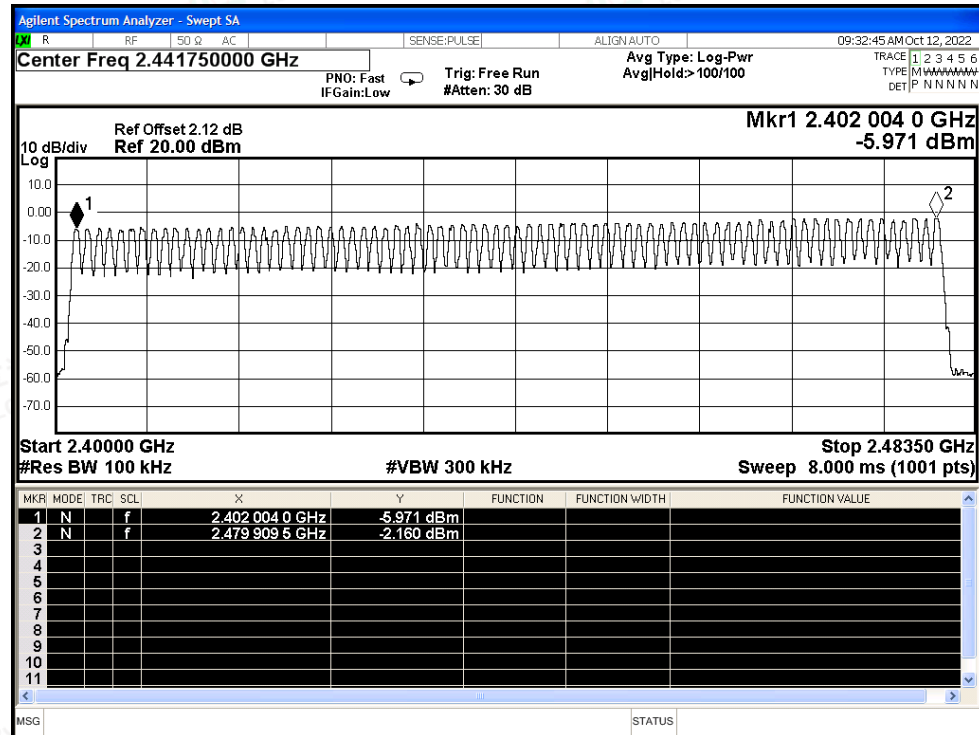


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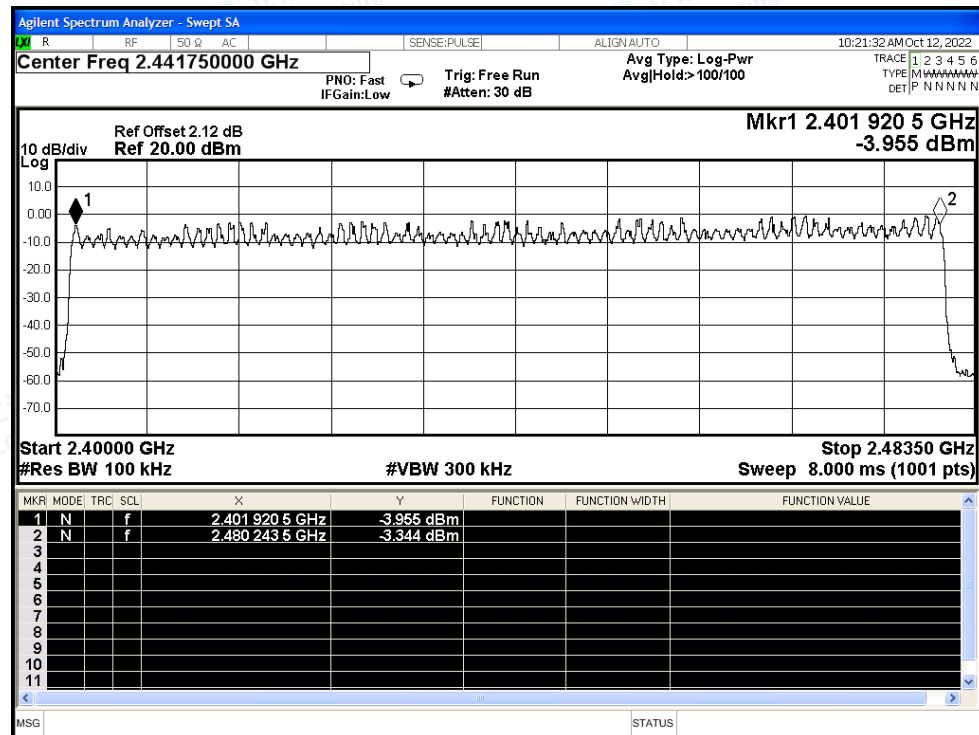


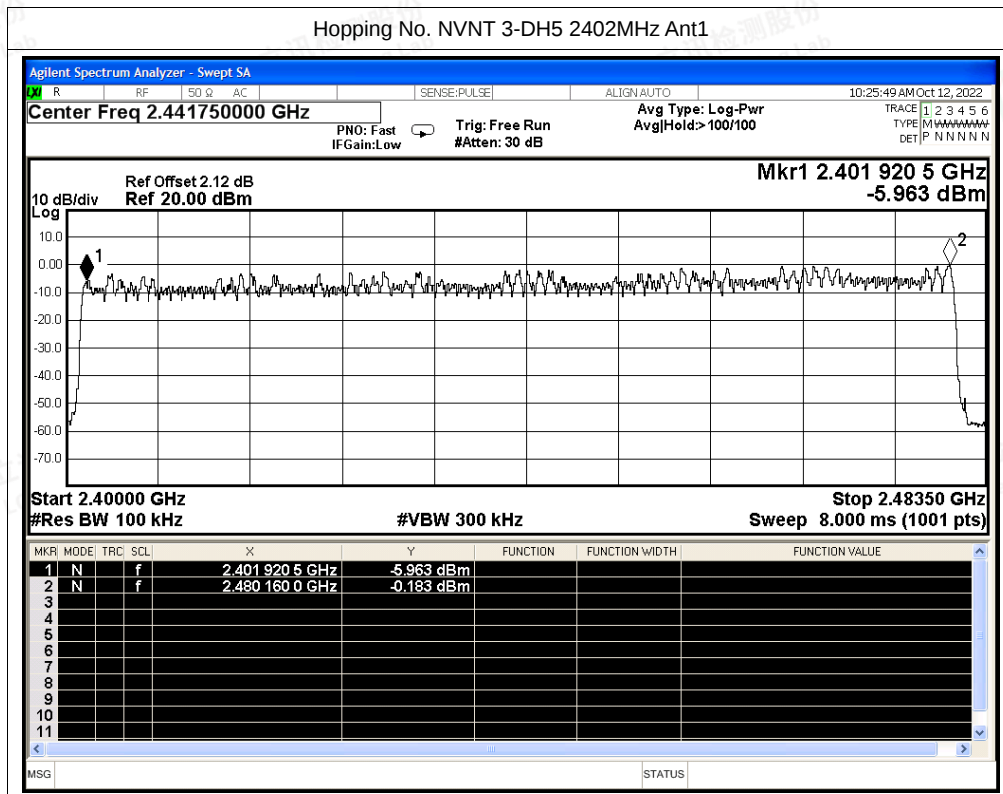
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1







A.6 Band Edge

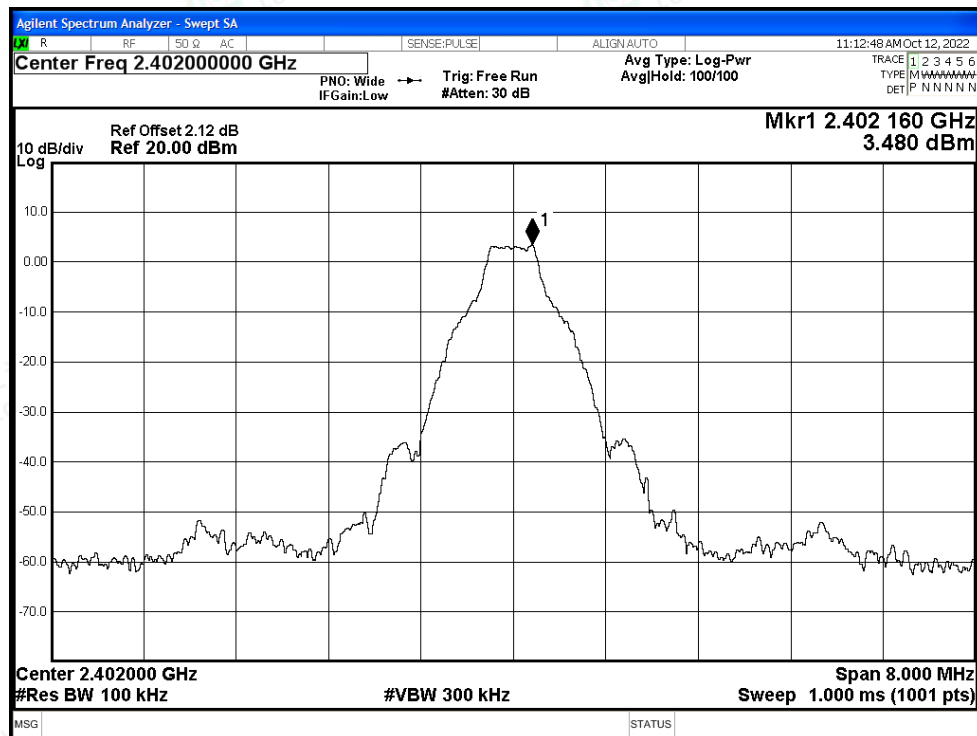
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.61	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-36.43	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.14	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.14	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.96	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-49.51	-20	Pass



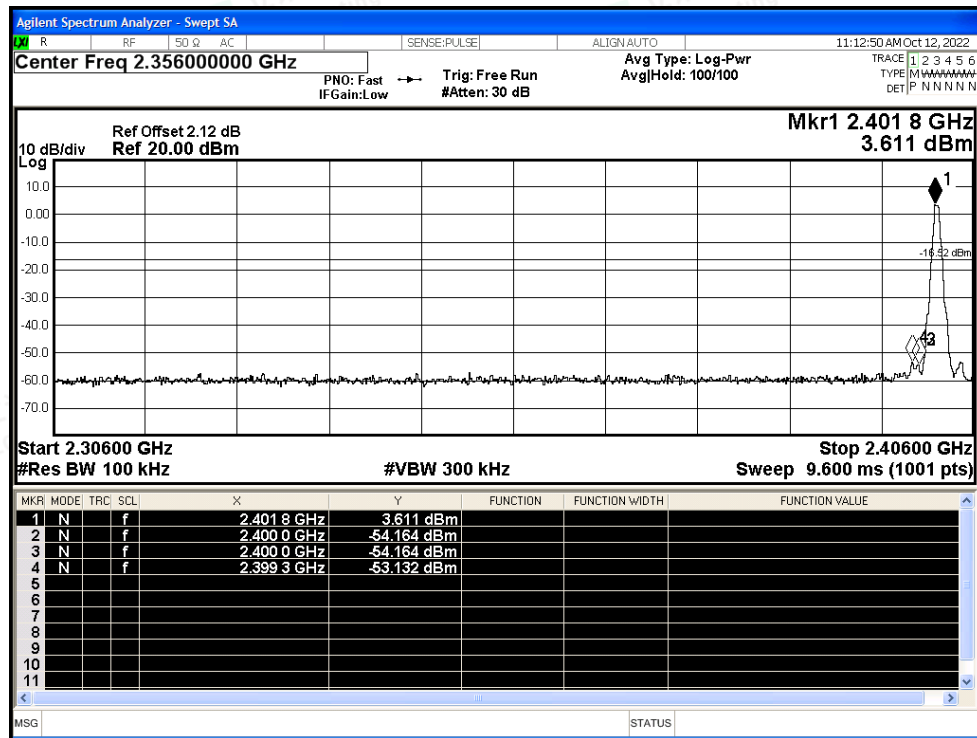


Test Graphs

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



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



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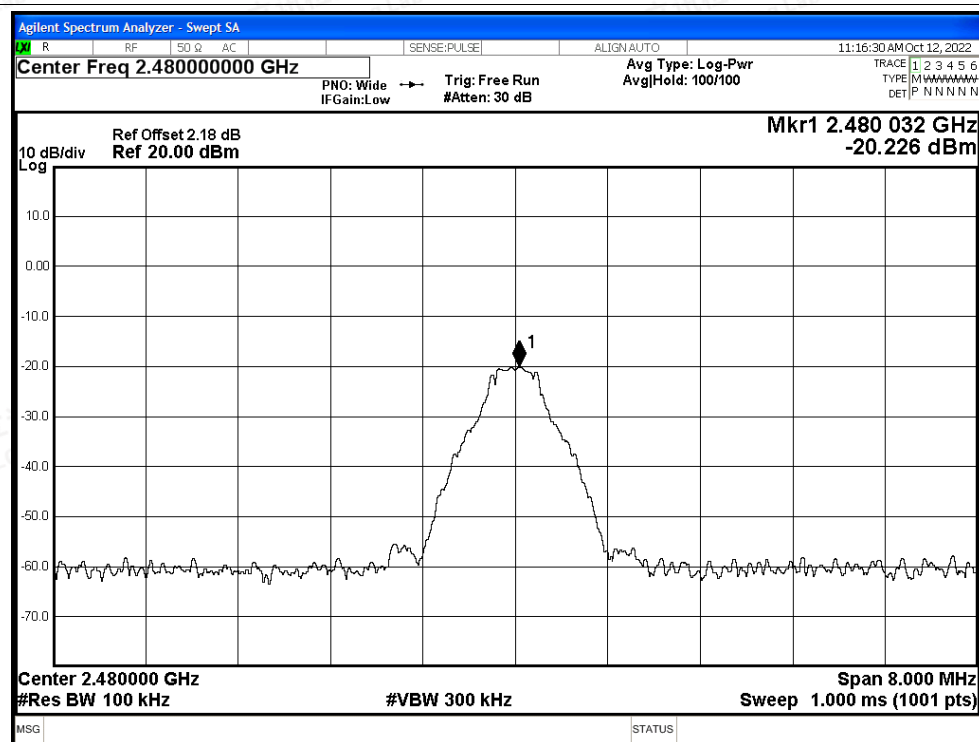
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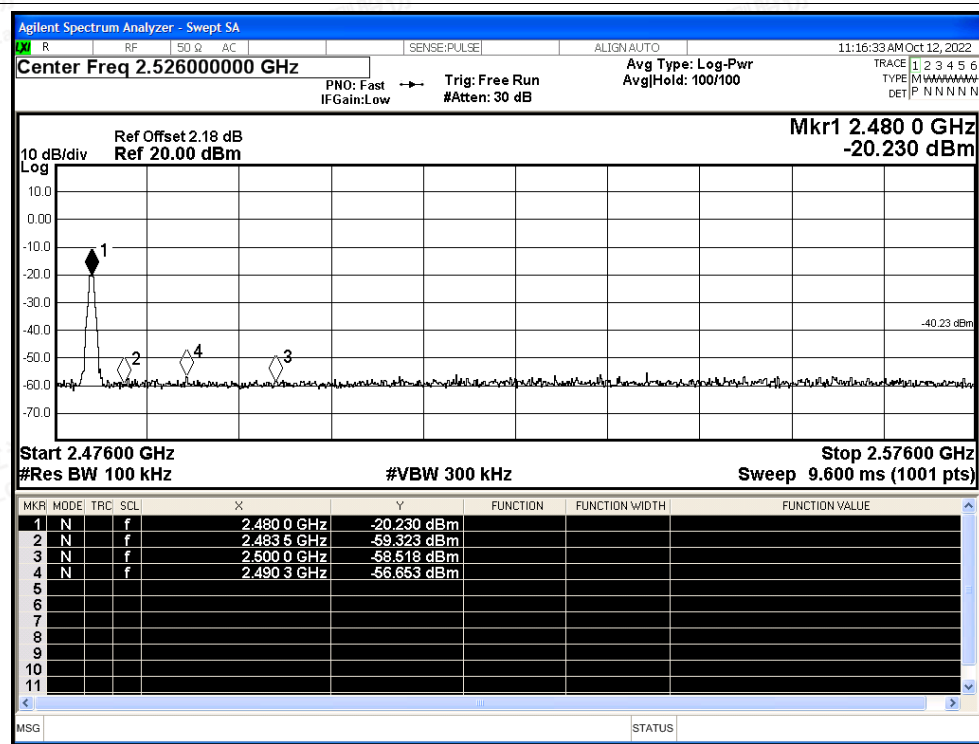
Scan code to check authenticity



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

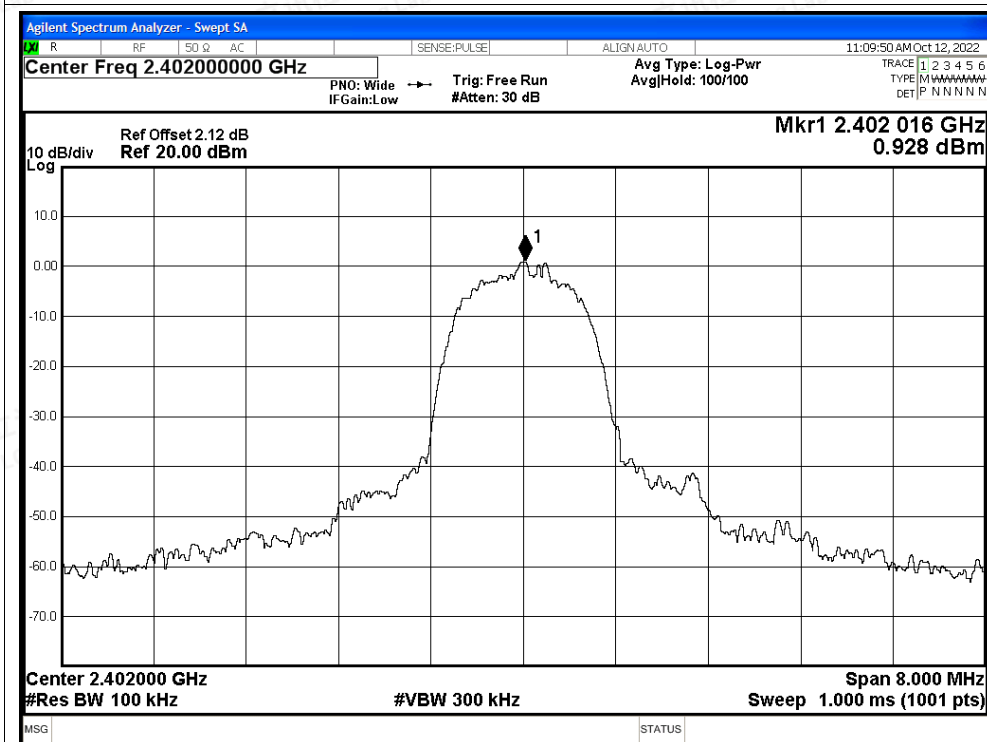


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

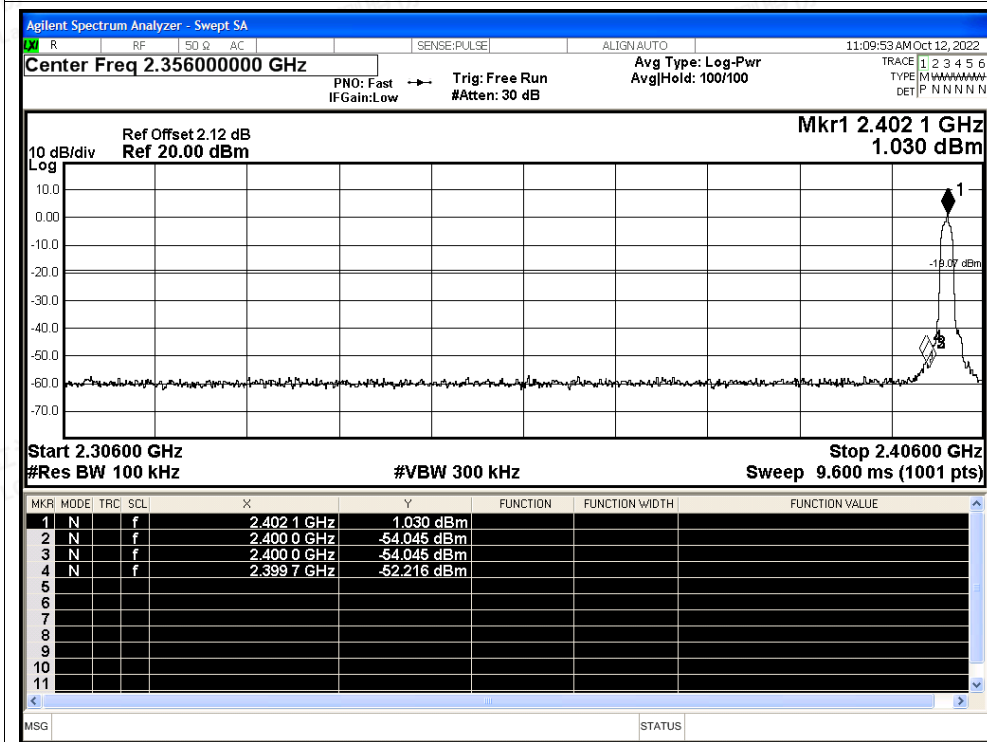




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

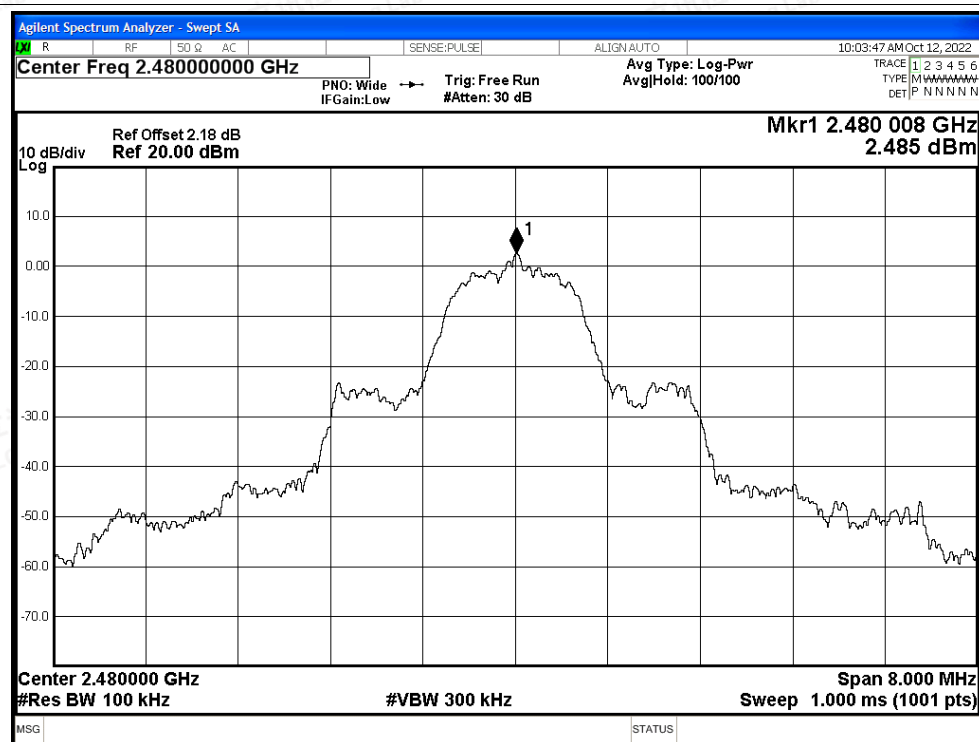


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

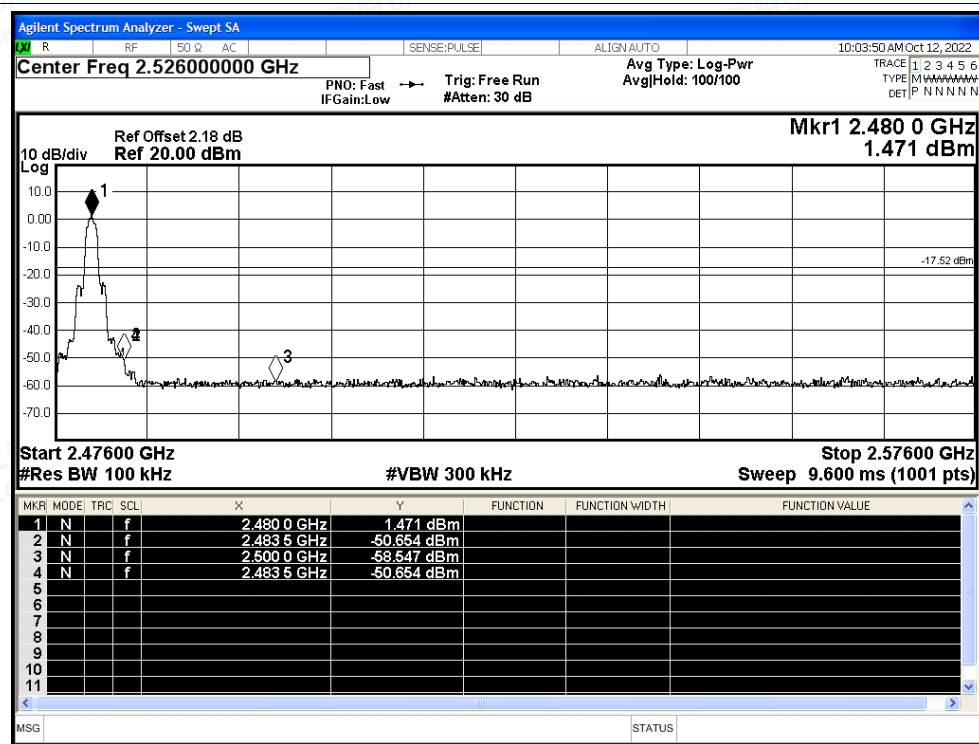




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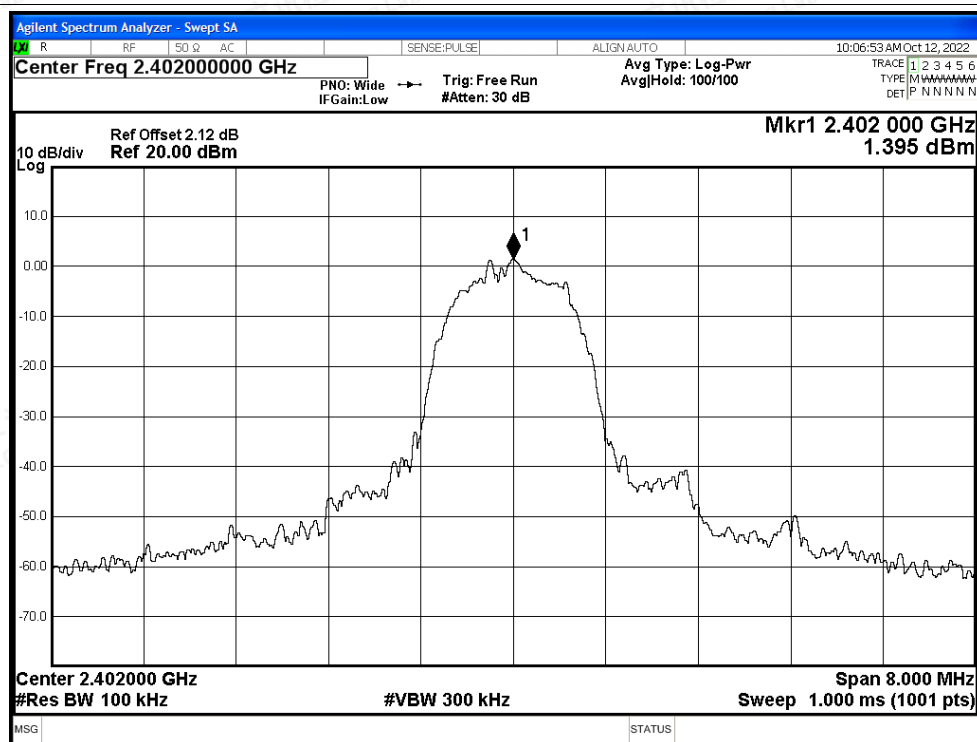


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

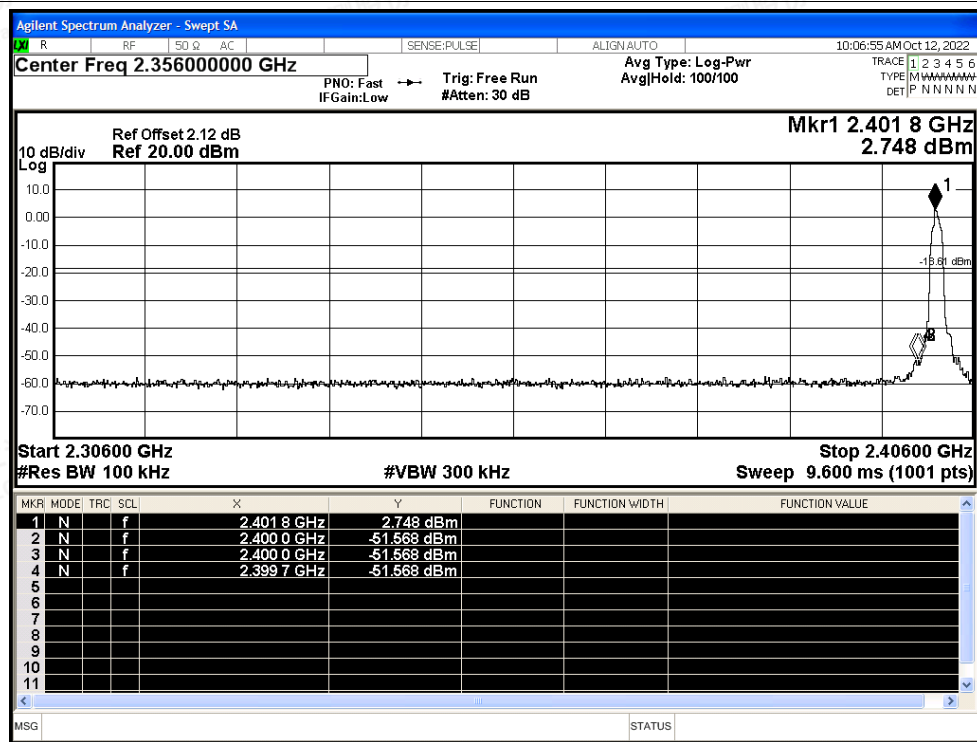




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

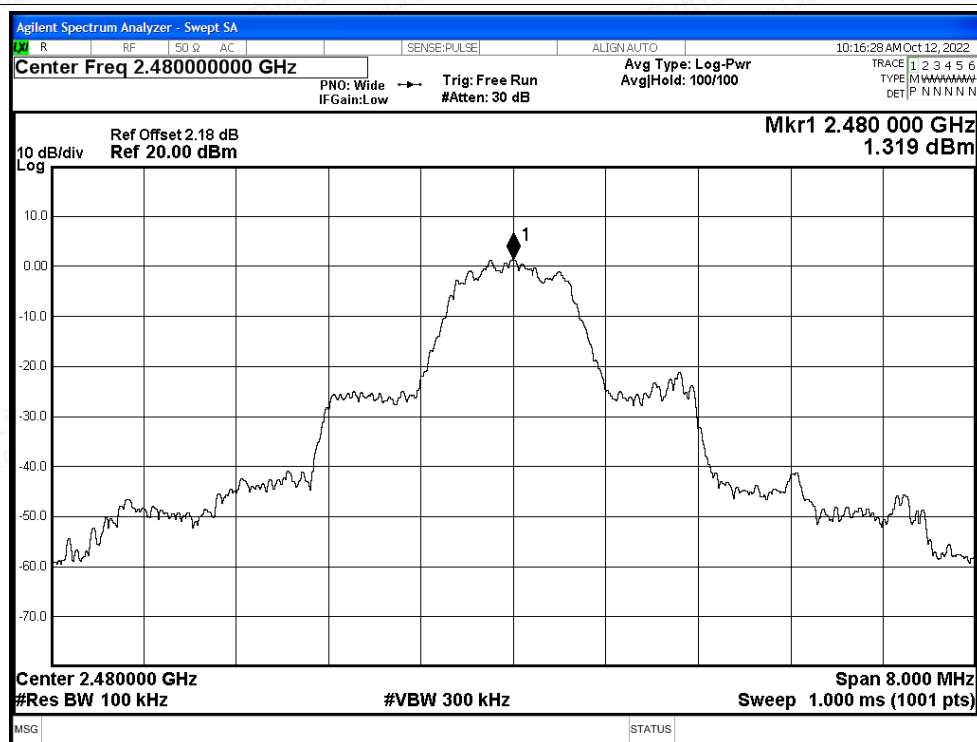


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

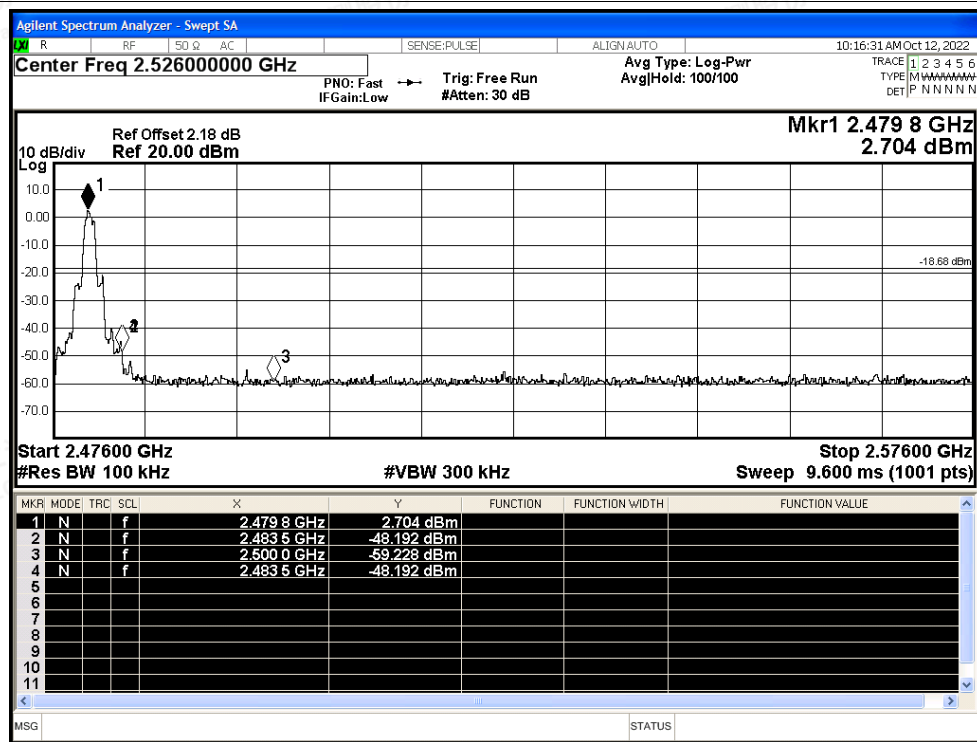




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-50.11	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-53.54	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.32	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-56.13	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-52.22	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-55.89	-20	Pass

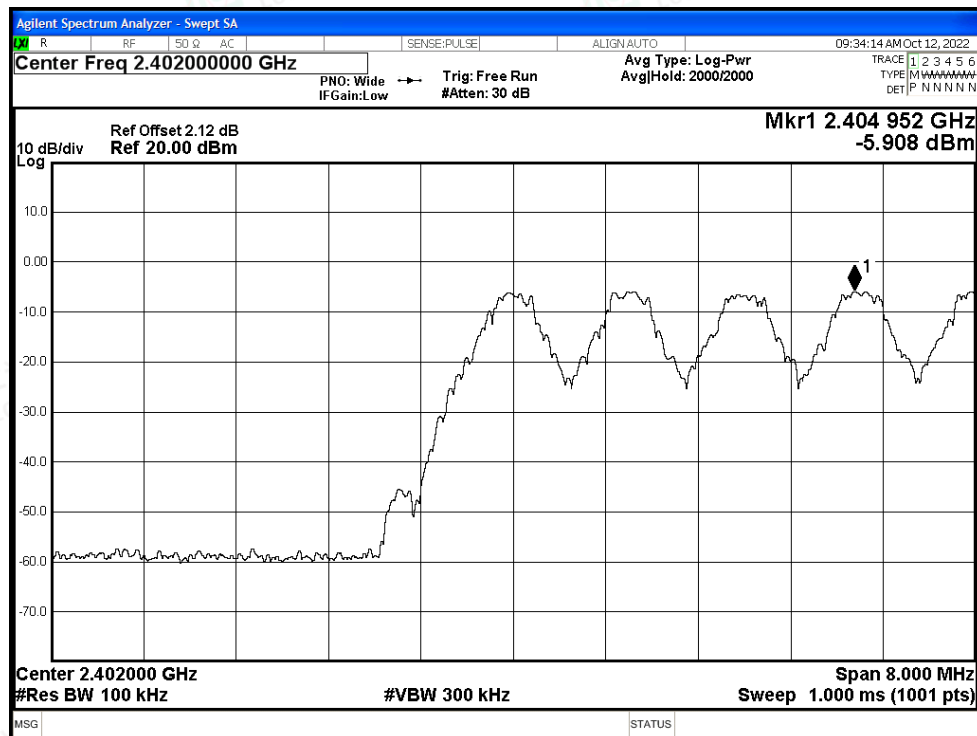


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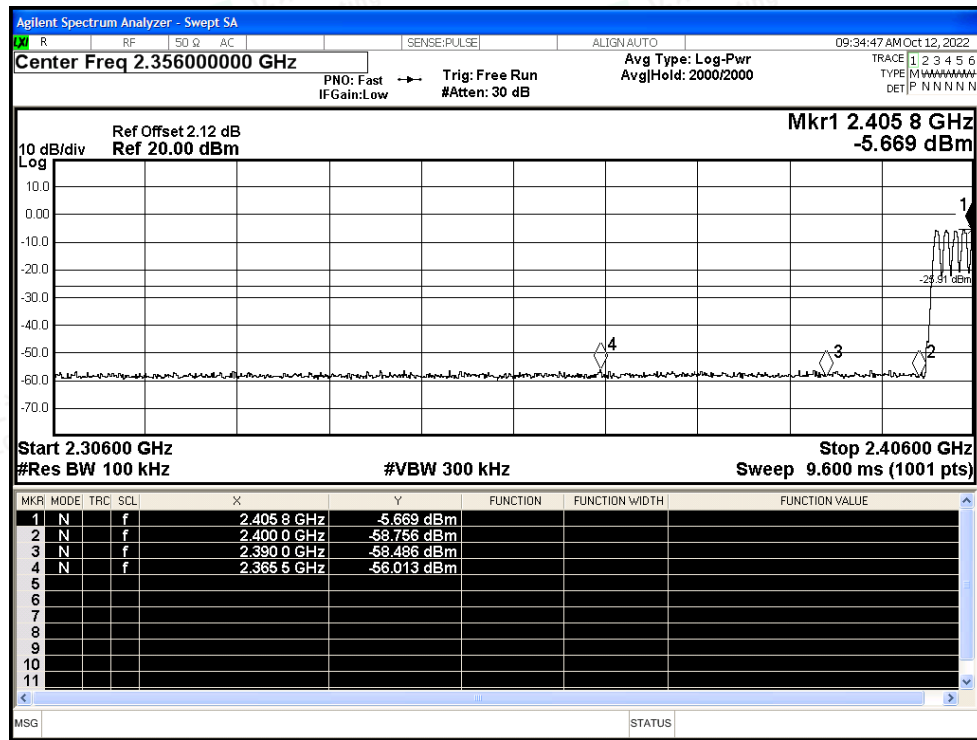


Test Graphs

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



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



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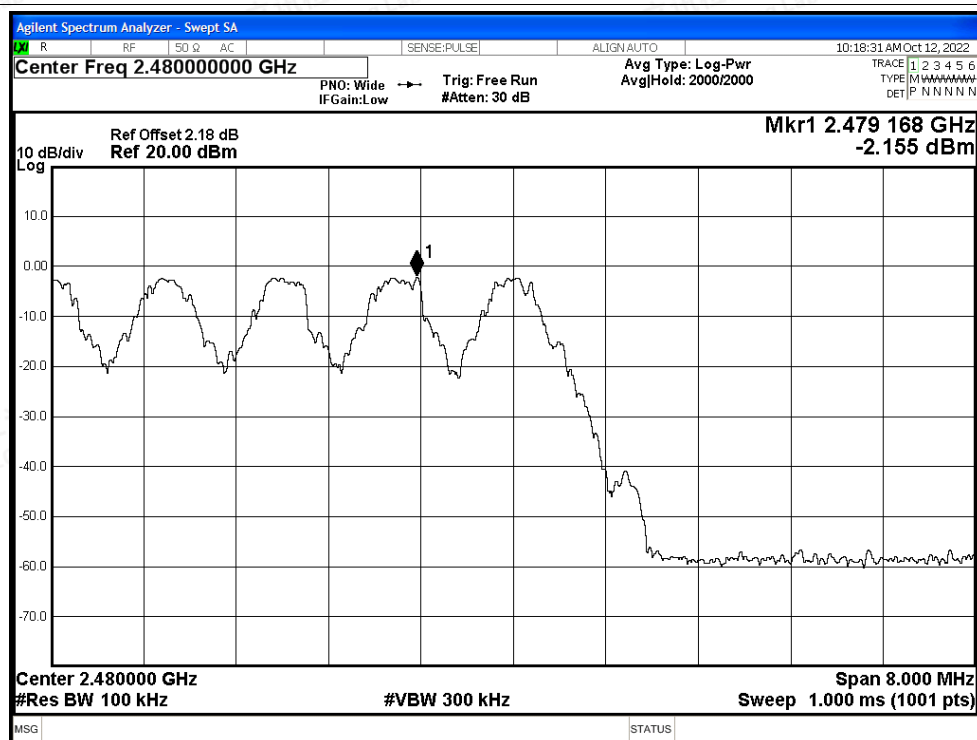
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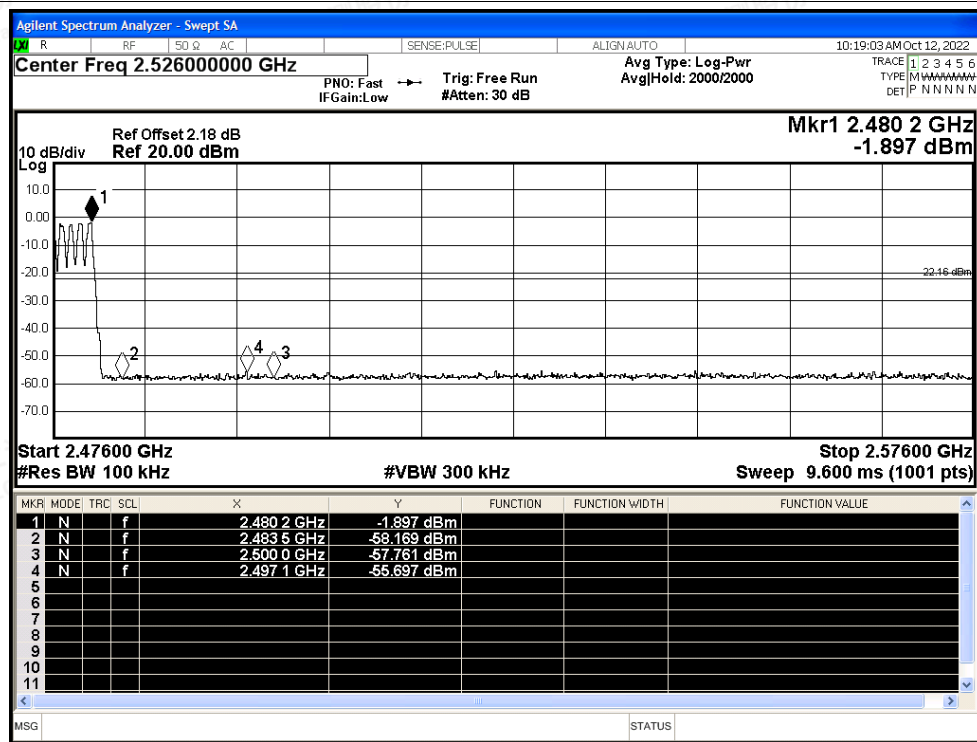
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Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

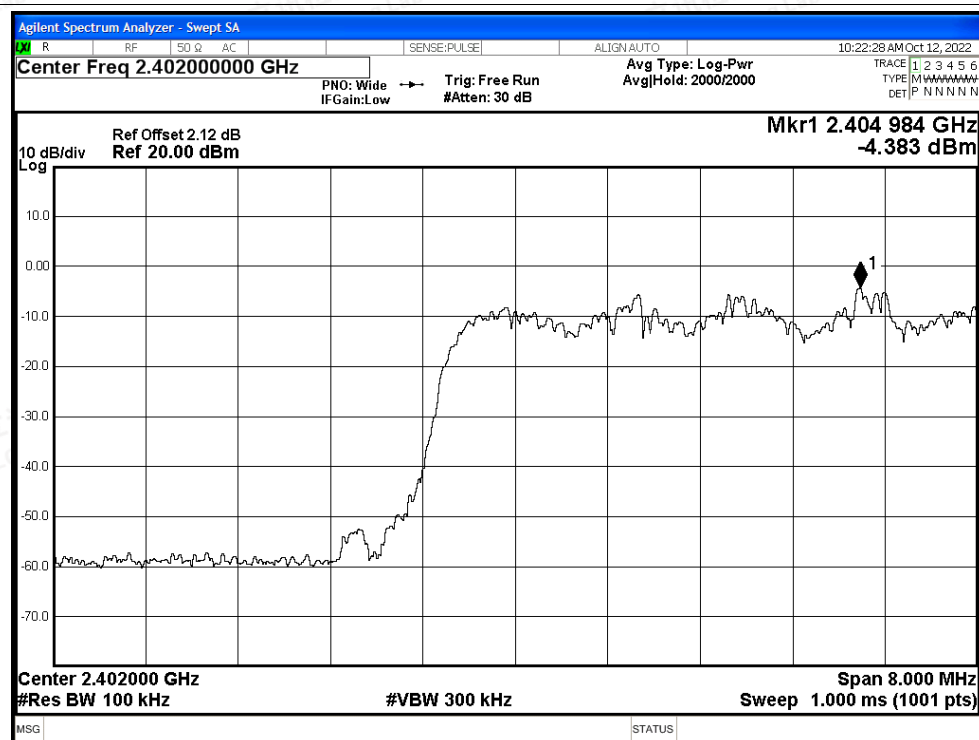


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

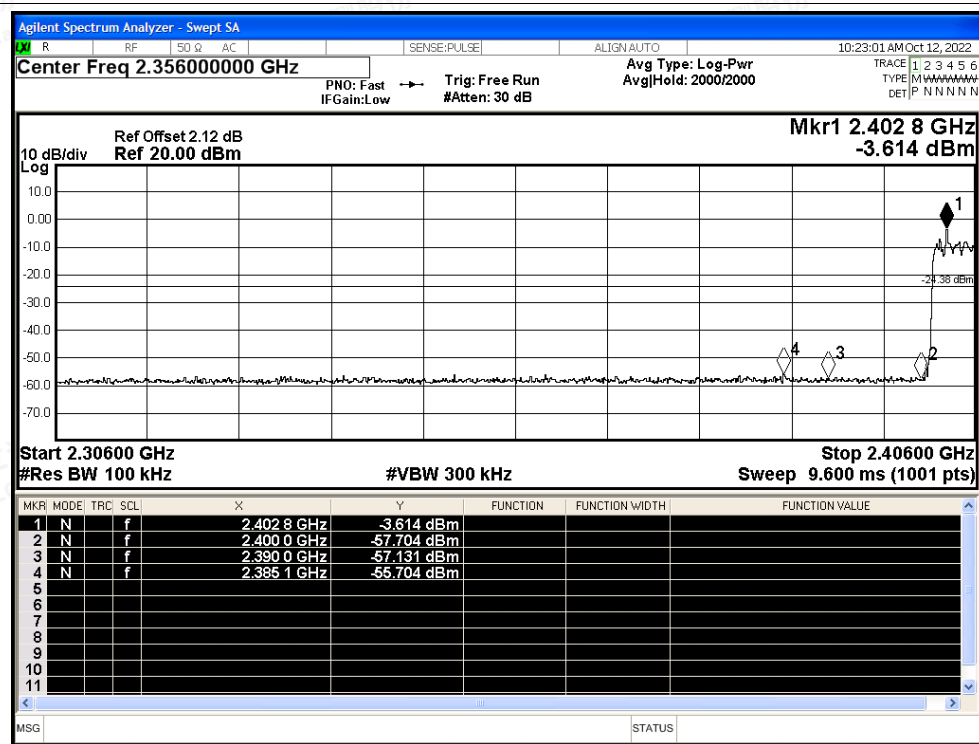




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

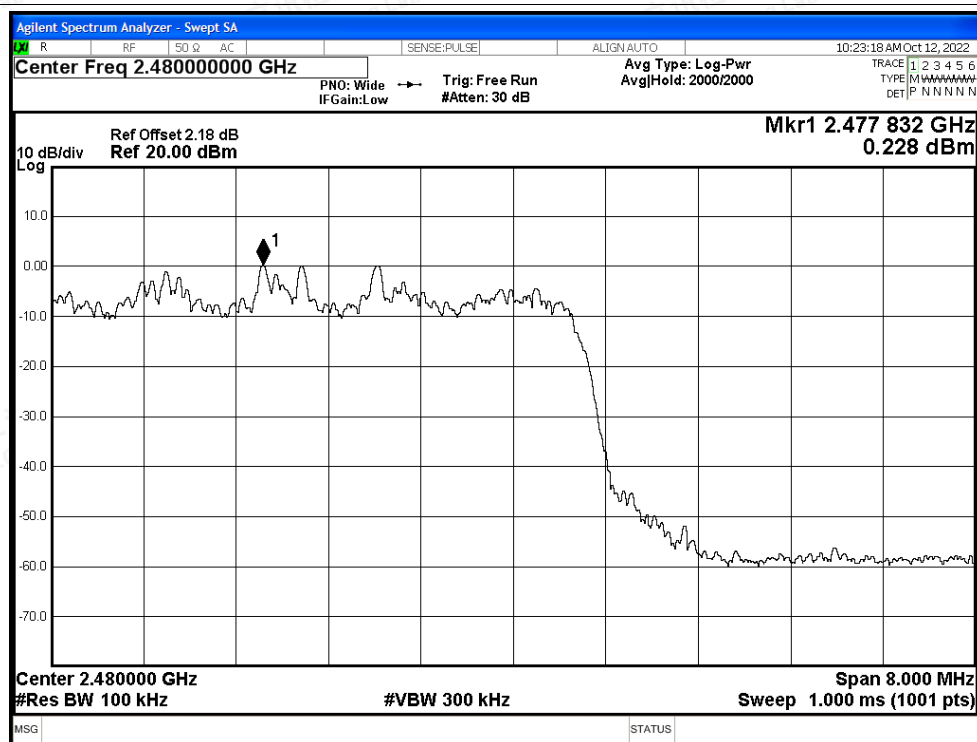


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

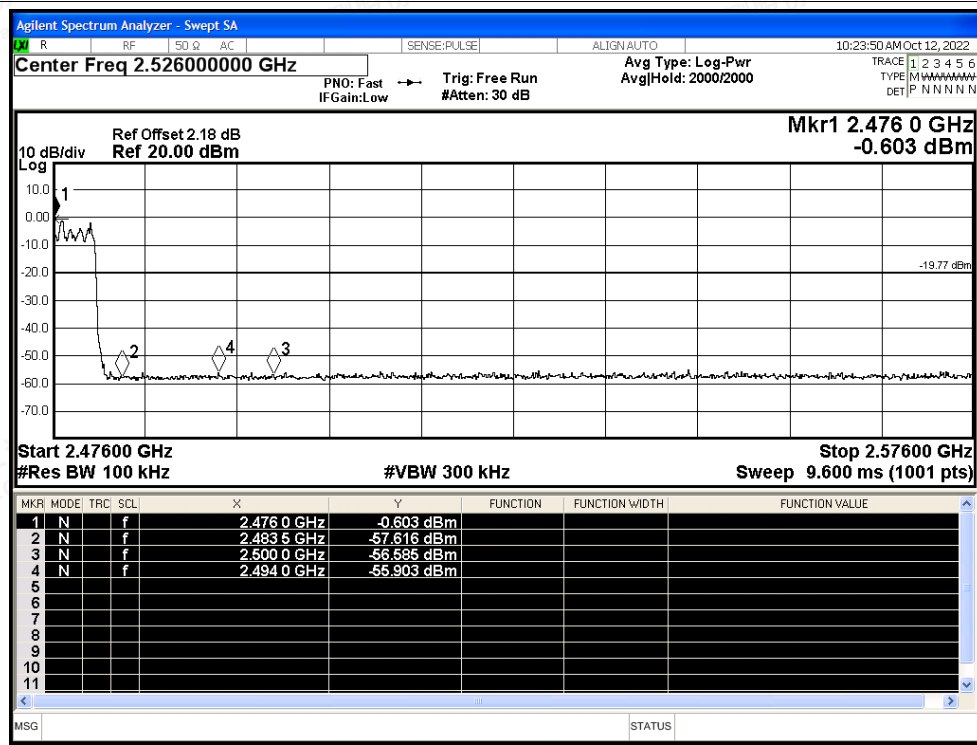




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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



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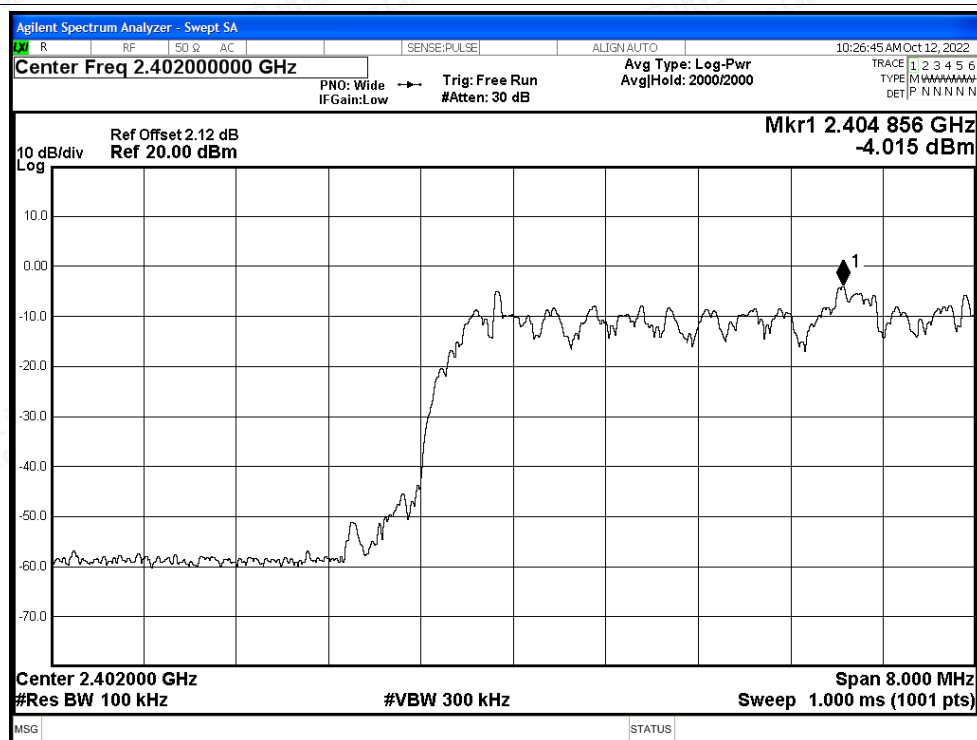
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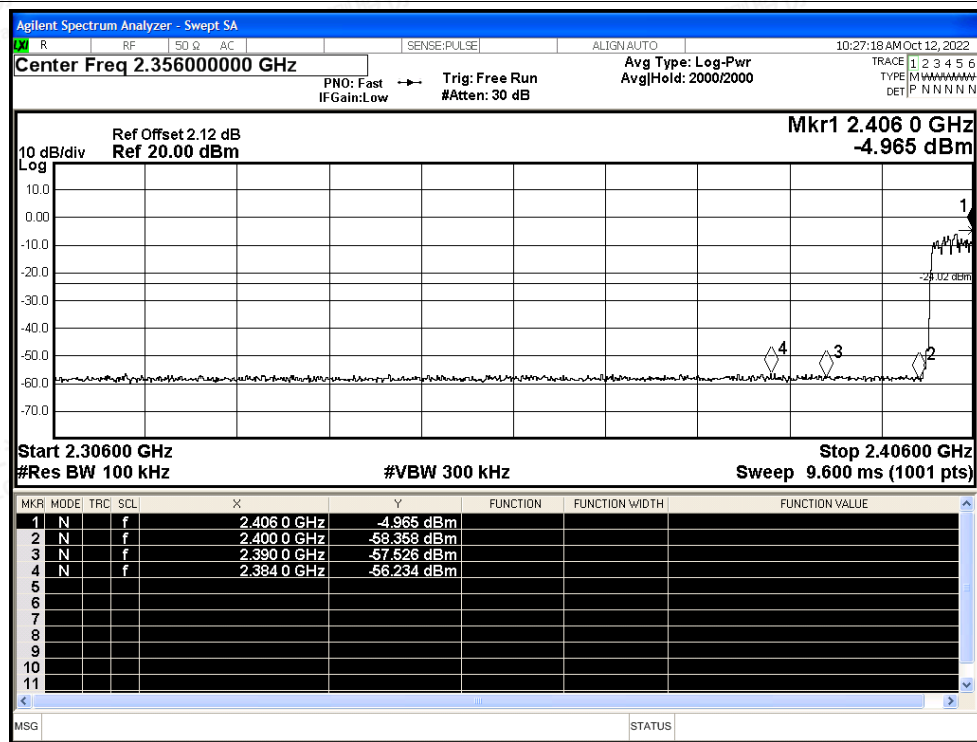
Scan code to check authenticity

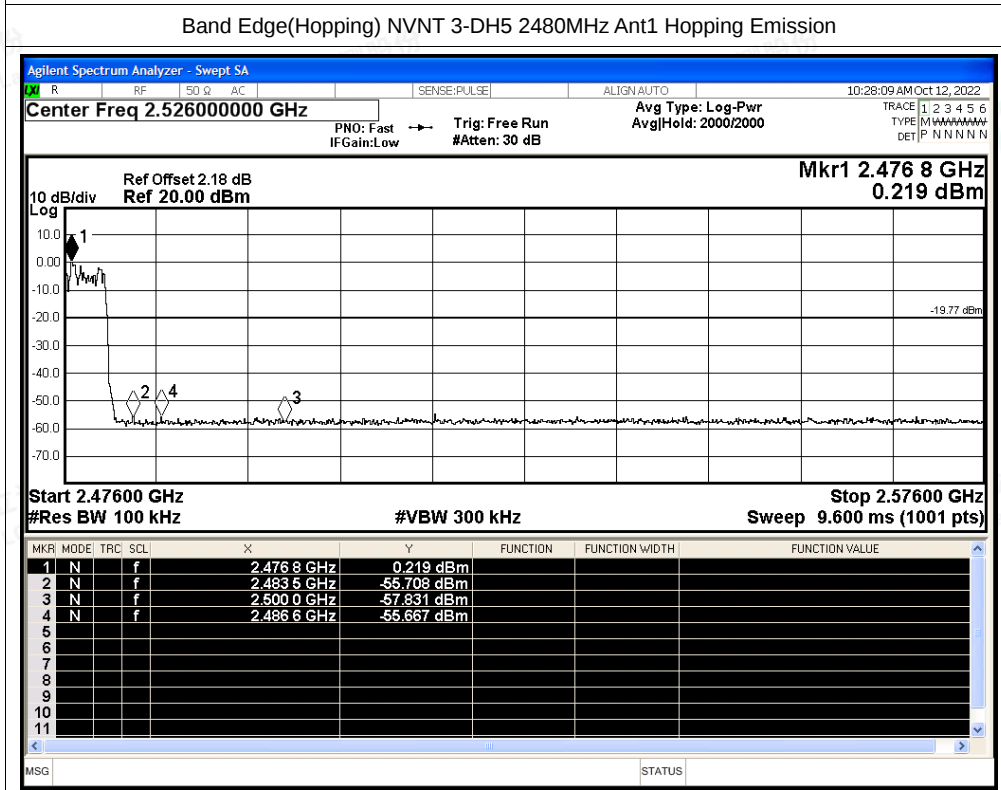
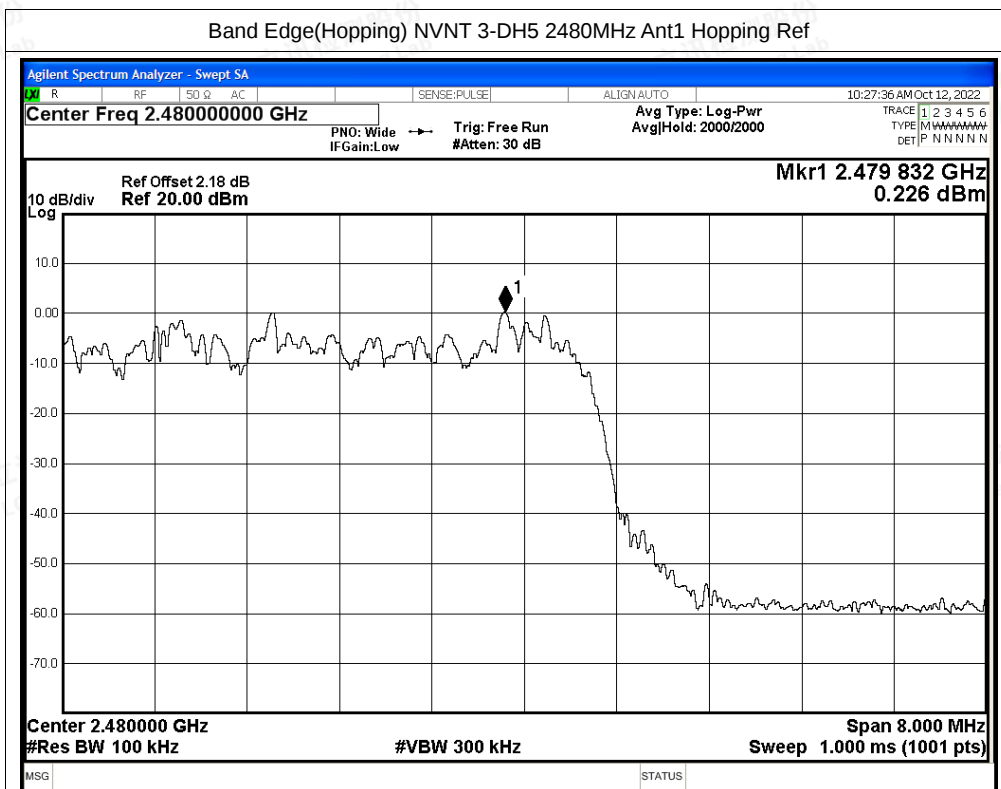


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz 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	-58.24	-20	Pass
NVNT	1-DH5	2441	Ant1	-57.43	-20	Pass
NVNT	1-DH5	2480	Ant1	-33.76	-20	Pass
NVNT	2-DH5	2402	Ant1	-57.39	-20	Pass
NVNT	2-DH5	2441	Ant1	-58.4	-20	Pass
NVNT	2-DH5	2480	Ant1	-58.21	-20	Pass
NVNT	3-DH5	2402	Ant1	-58.04	-20	Pass
NVNT	3-DH5	2441	Ant1	-58.18	-20	Pass
NVNT	3-DH5	2480	Ant1	-57.65	-20	Pass

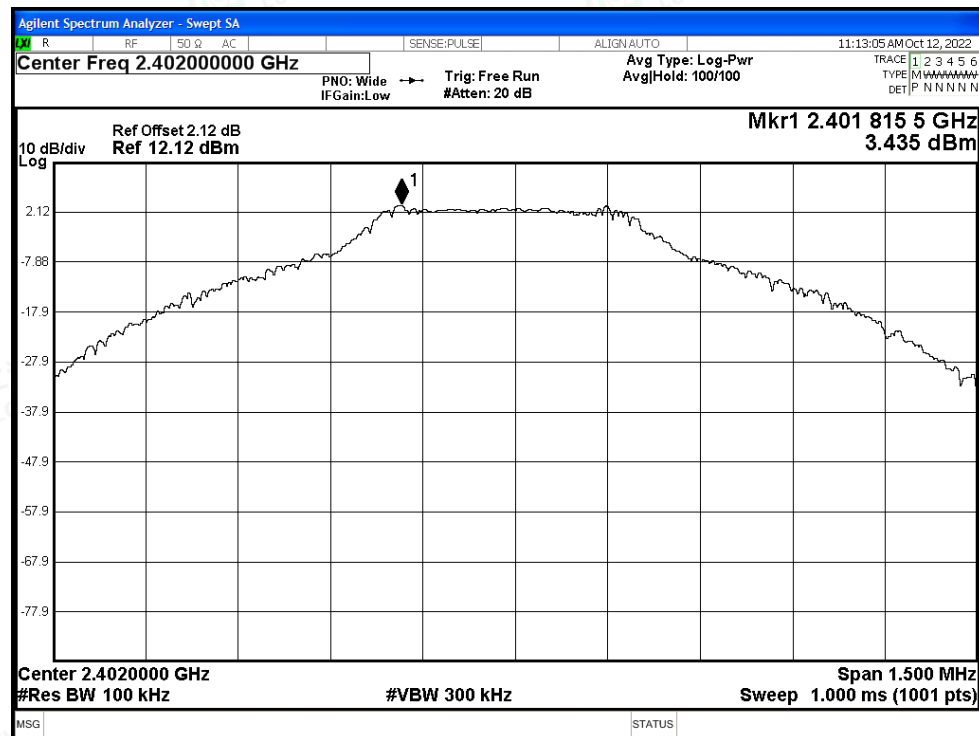


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

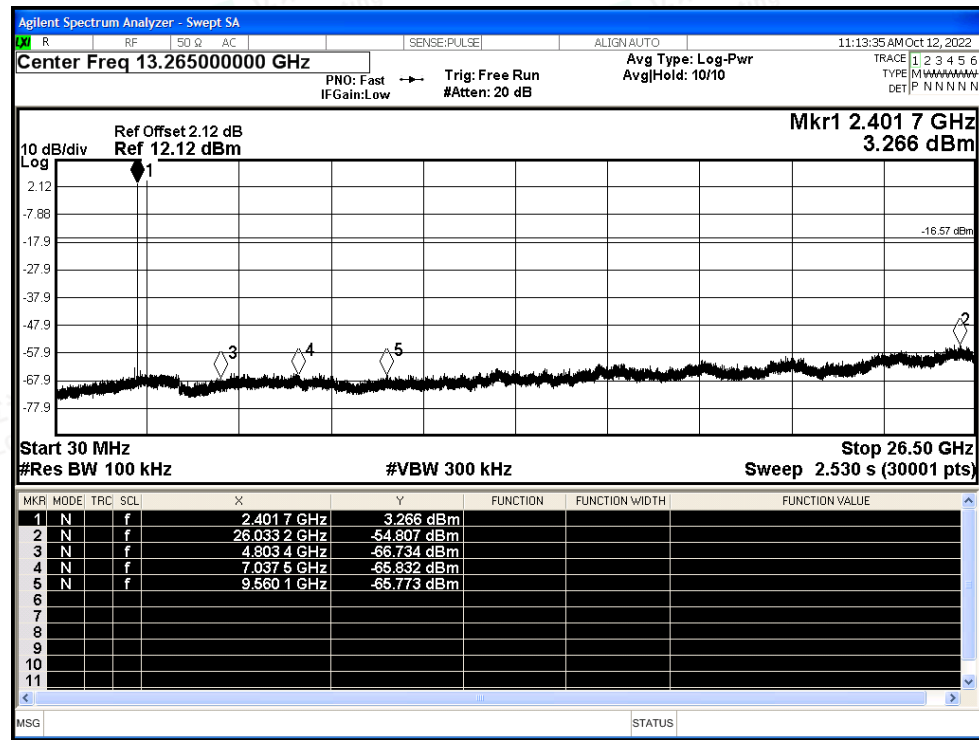


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

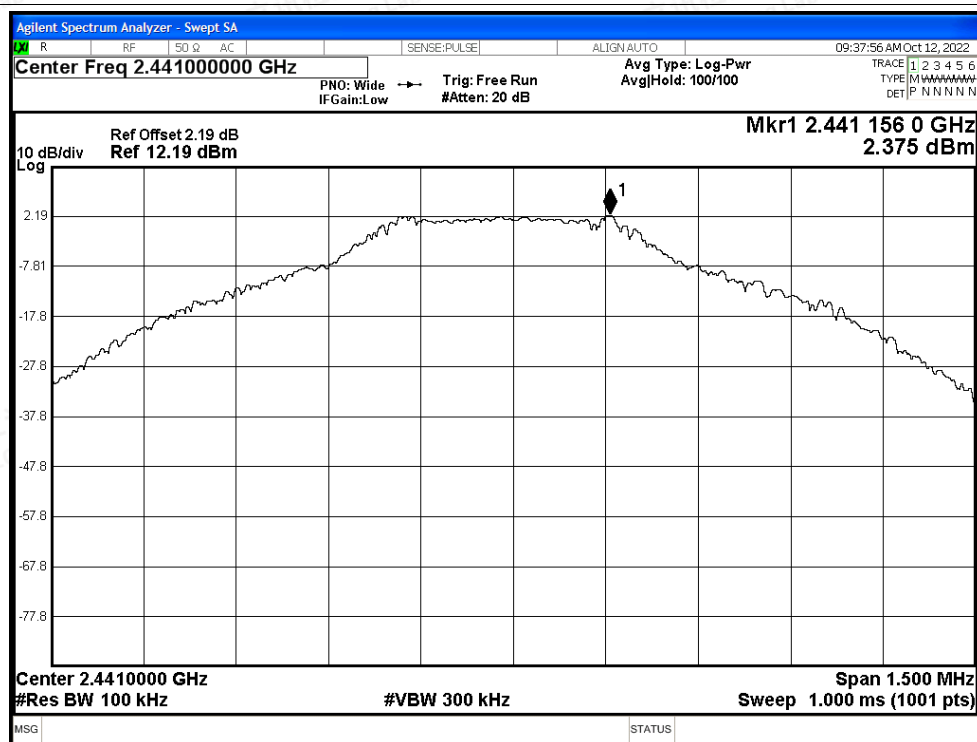


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

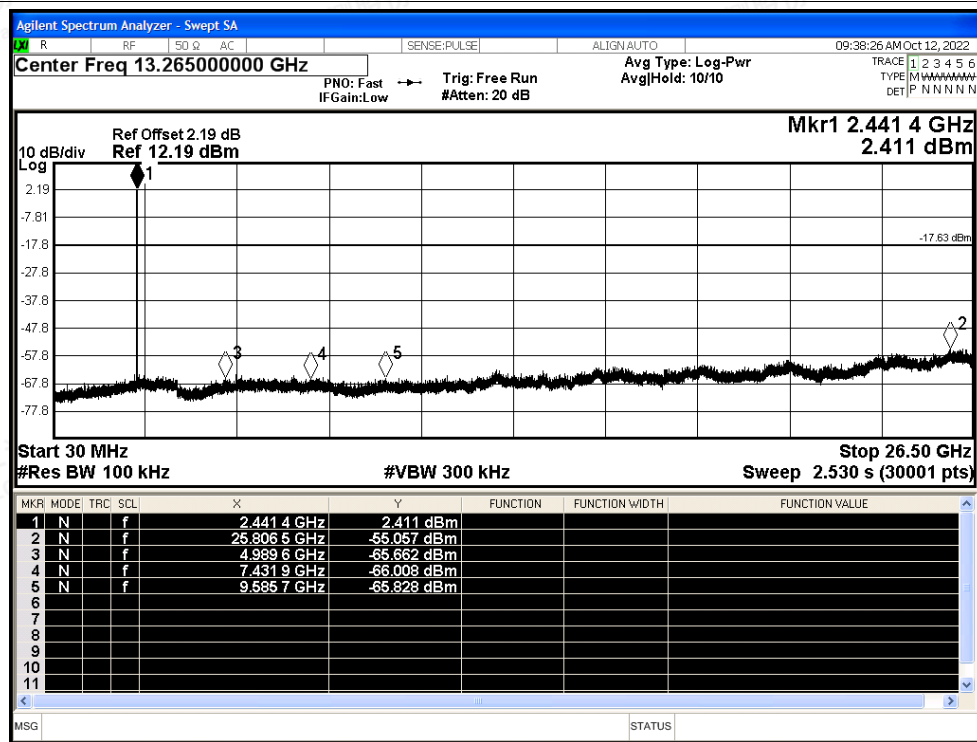




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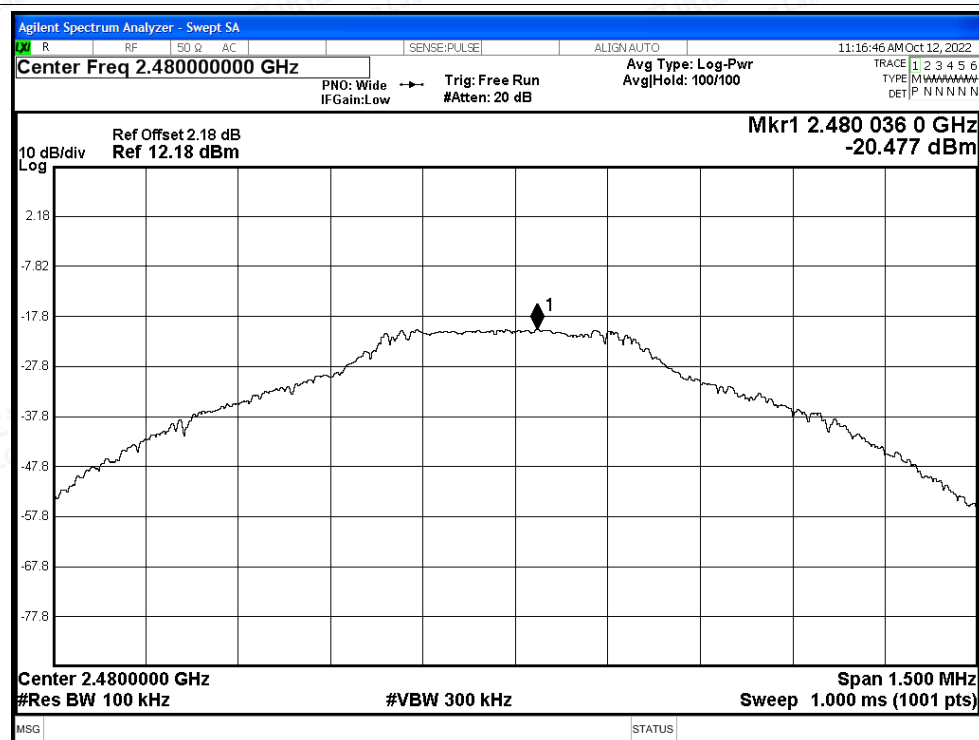


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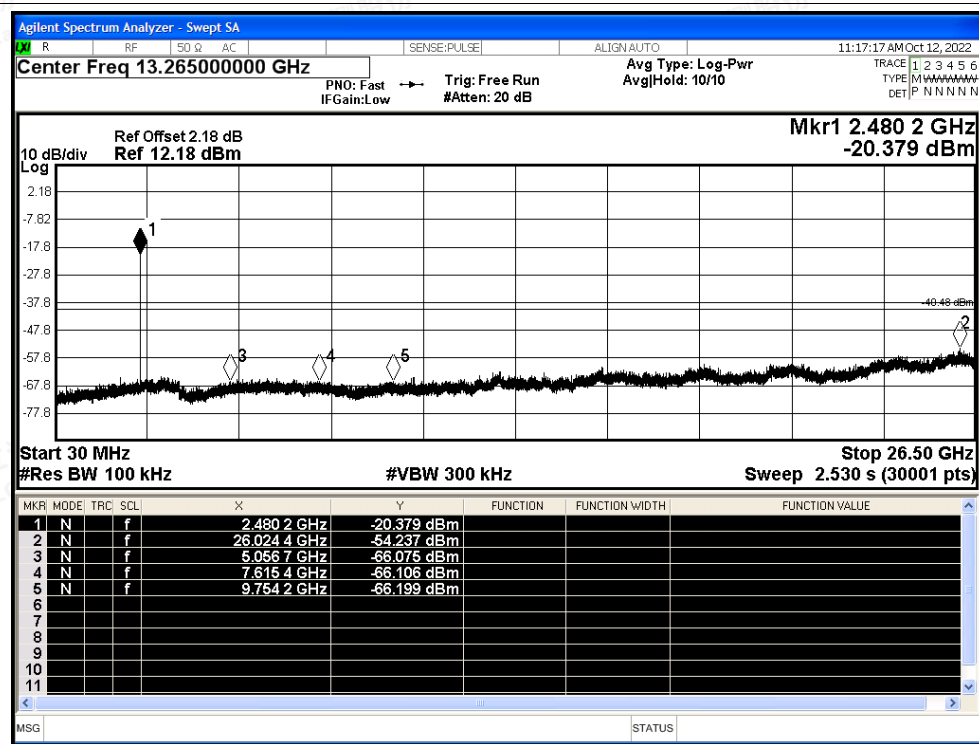




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

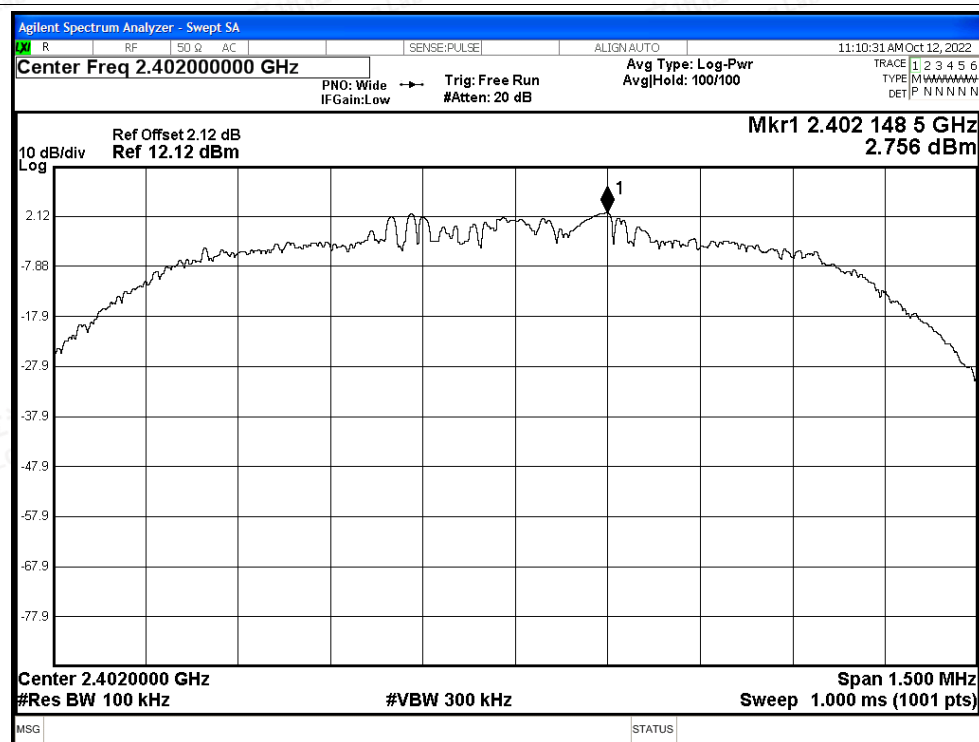


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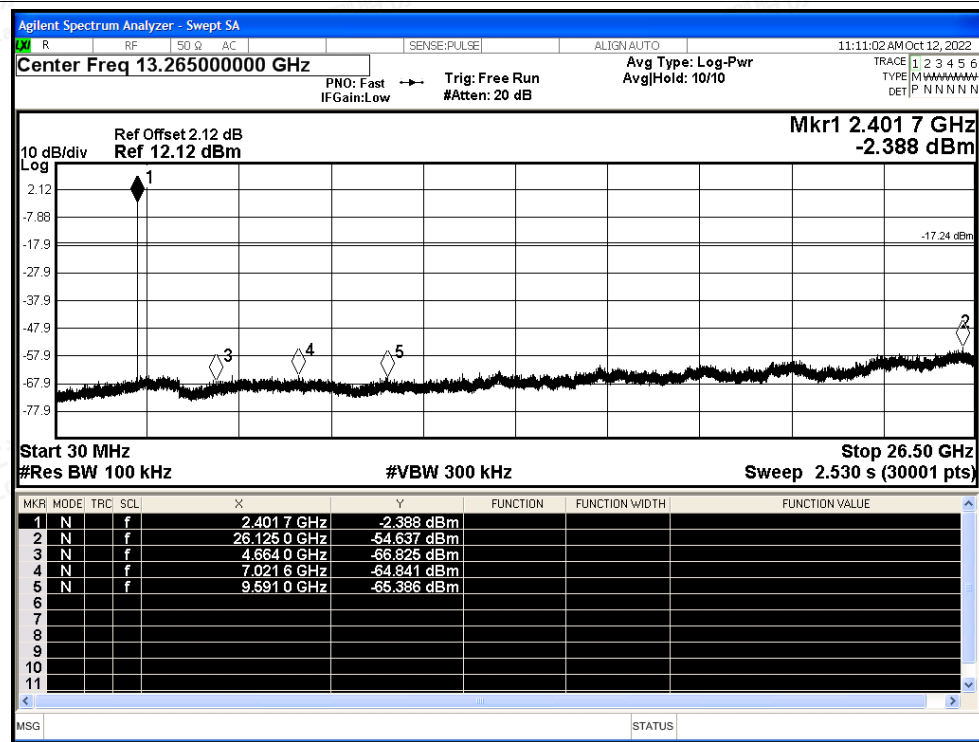




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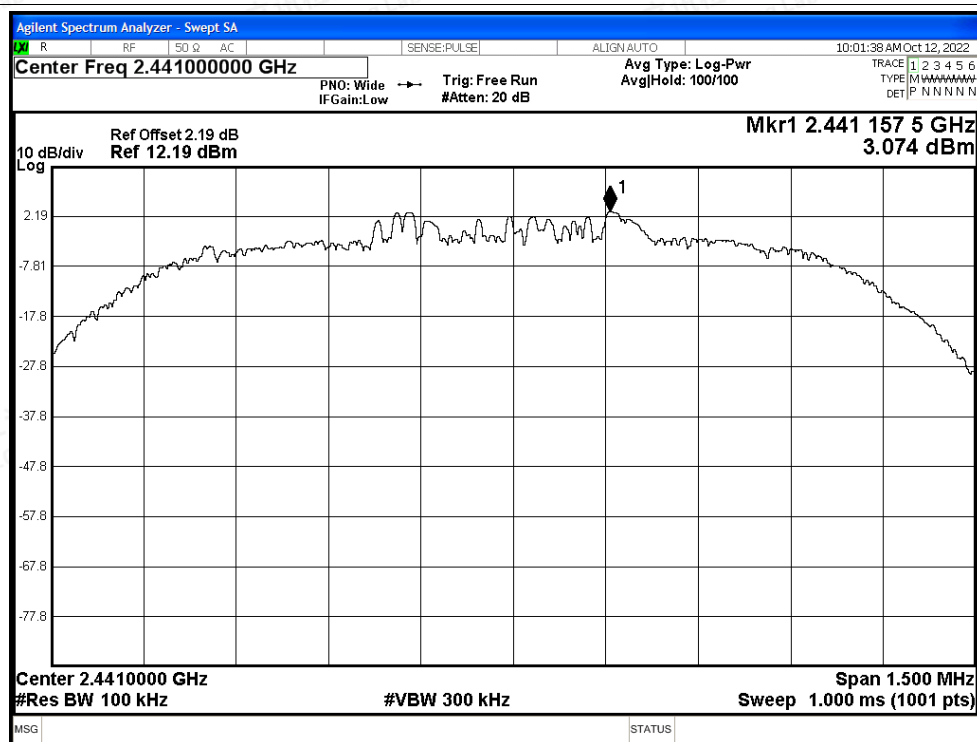


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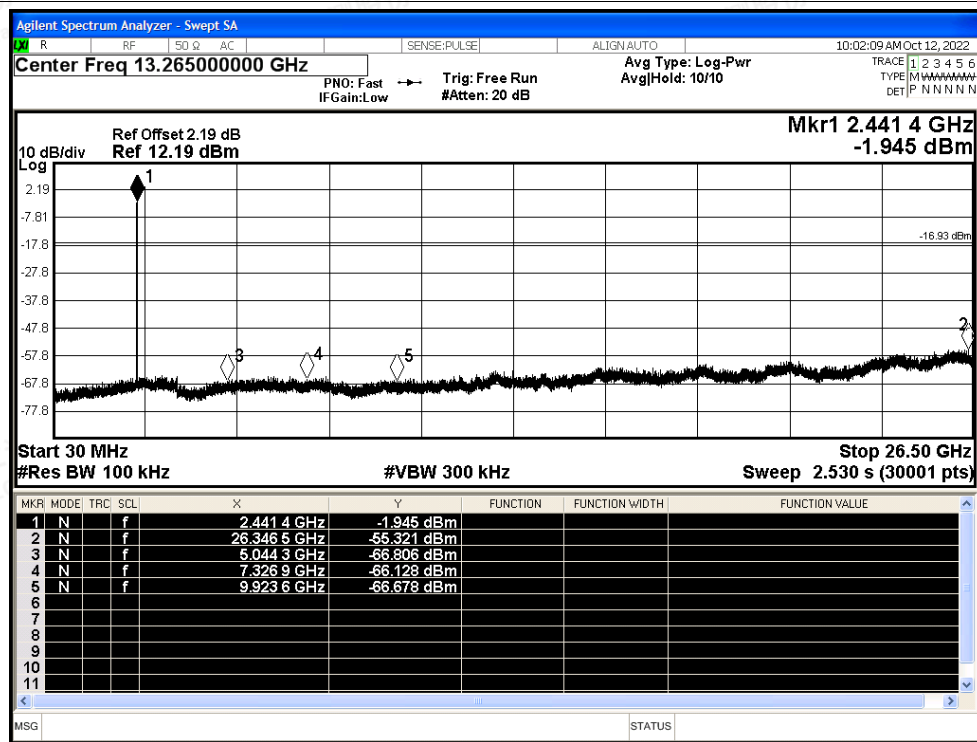




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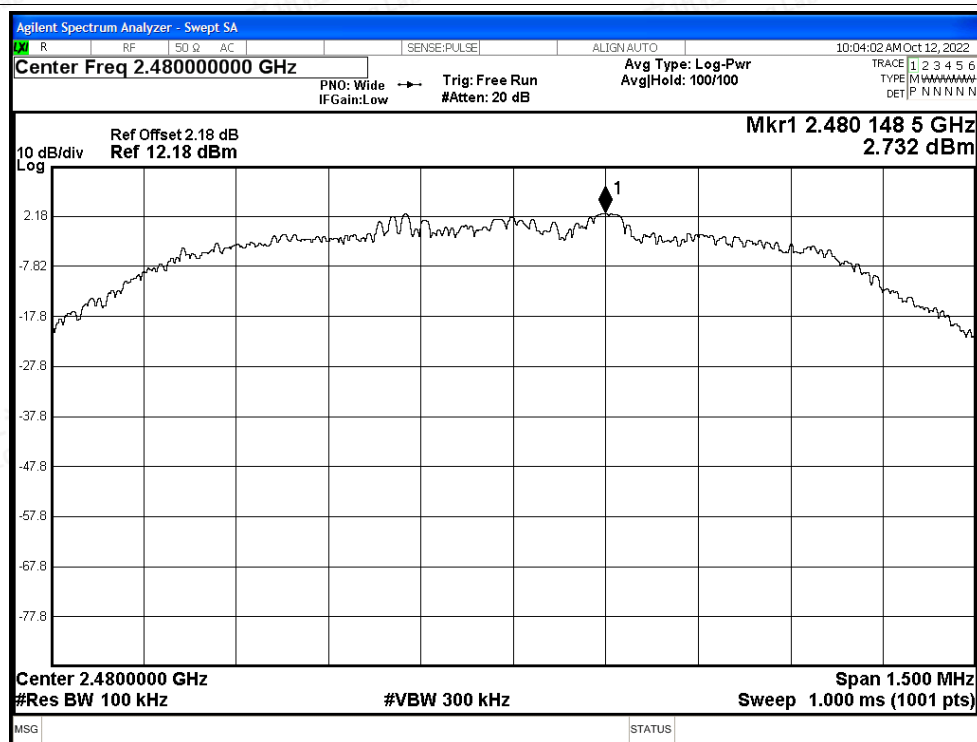


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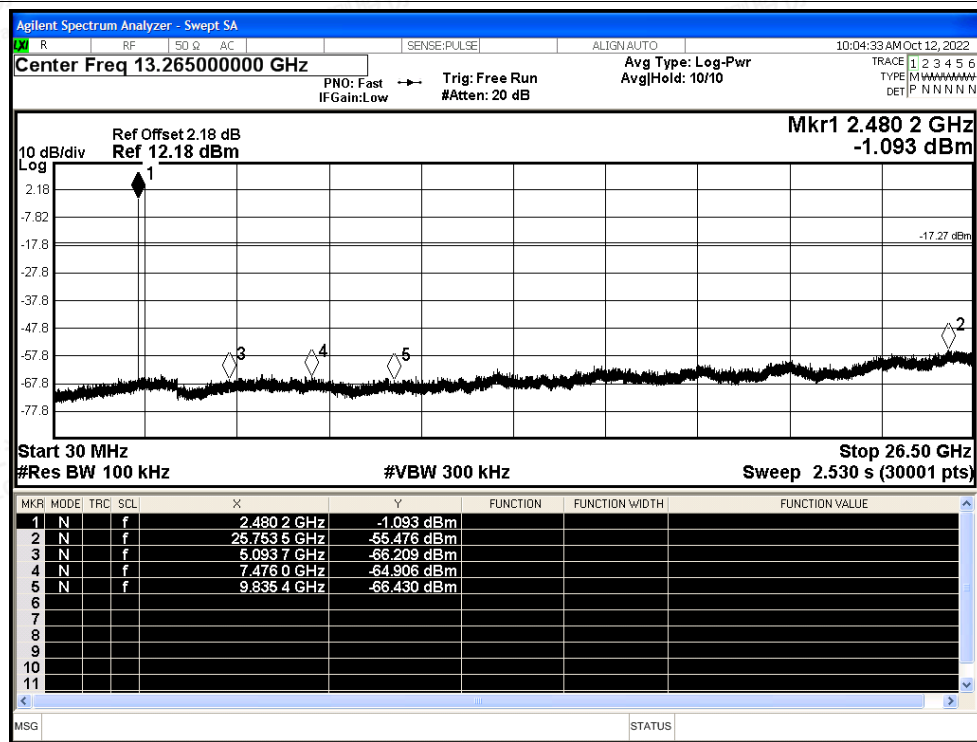




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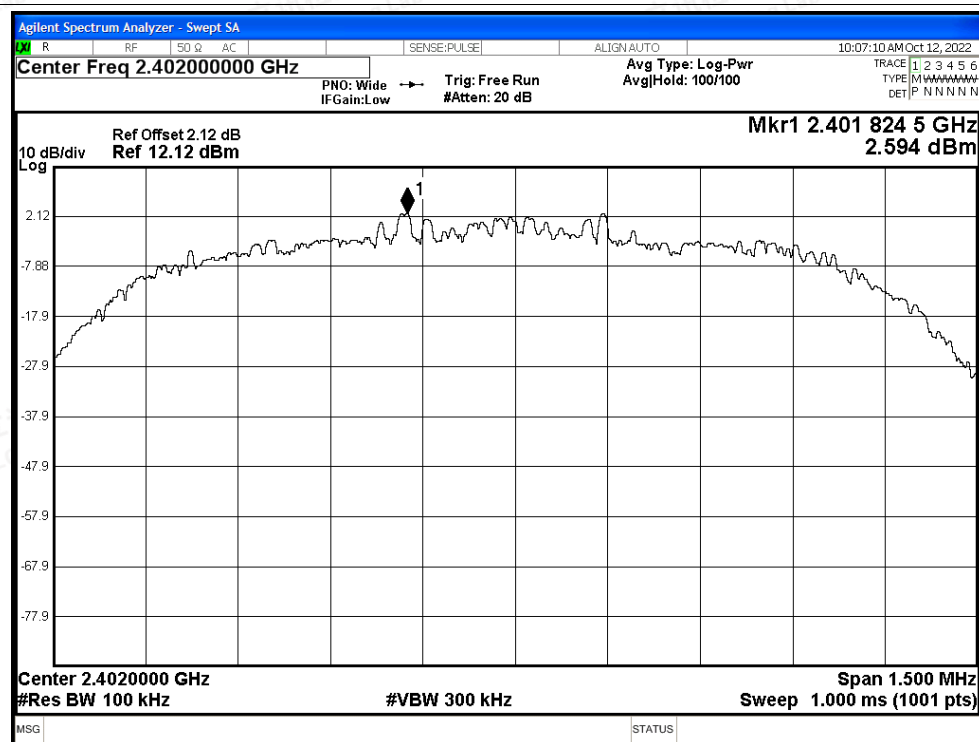


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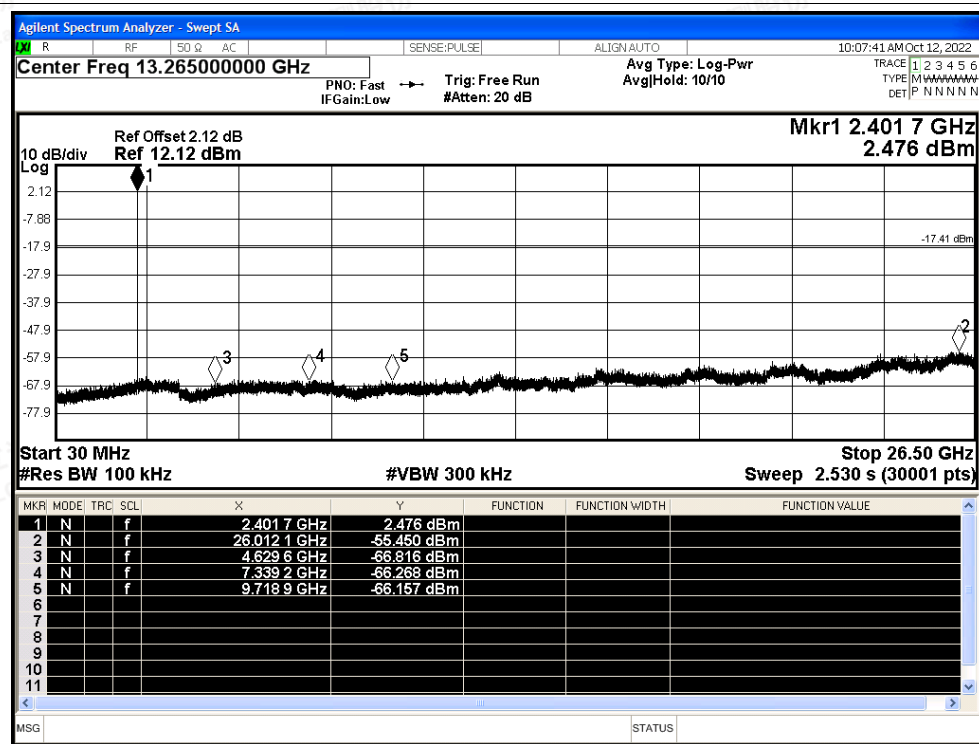




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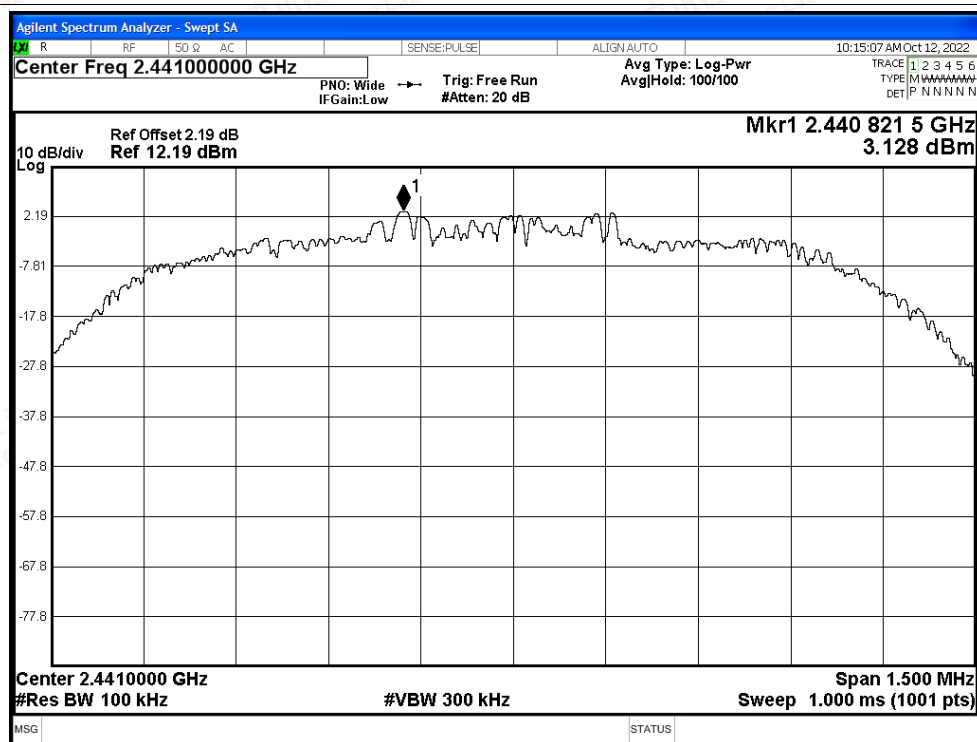


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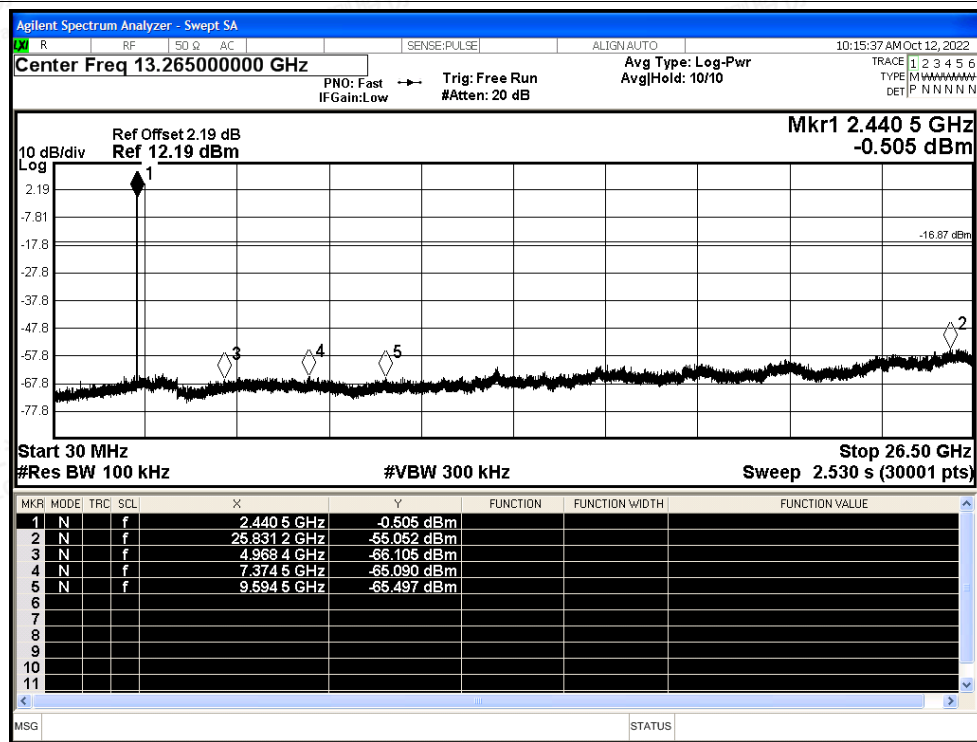




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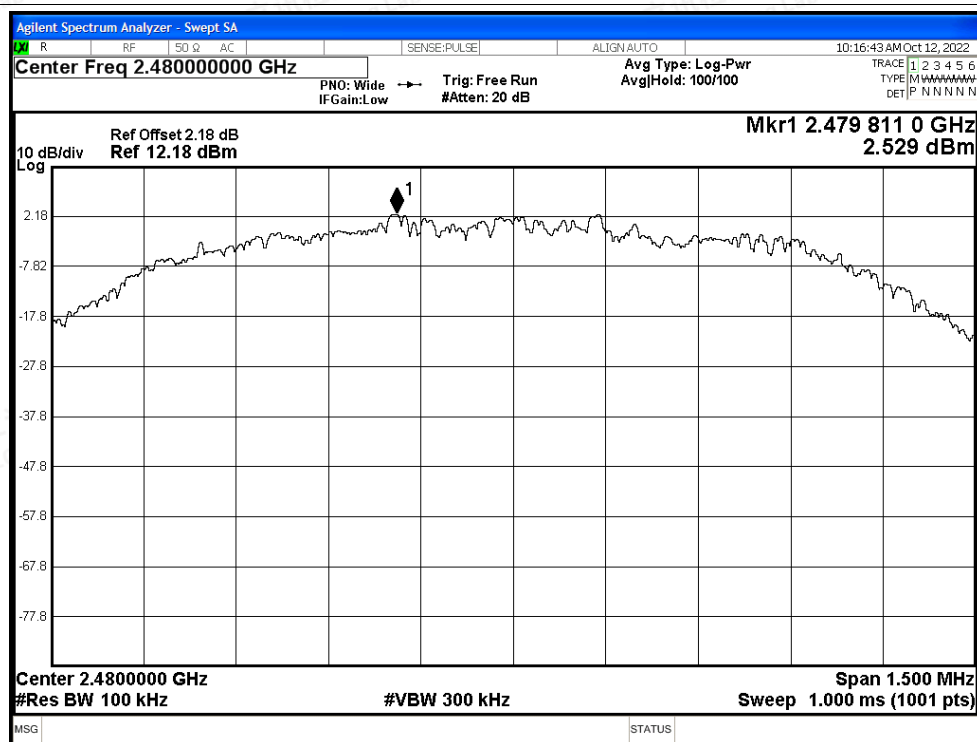


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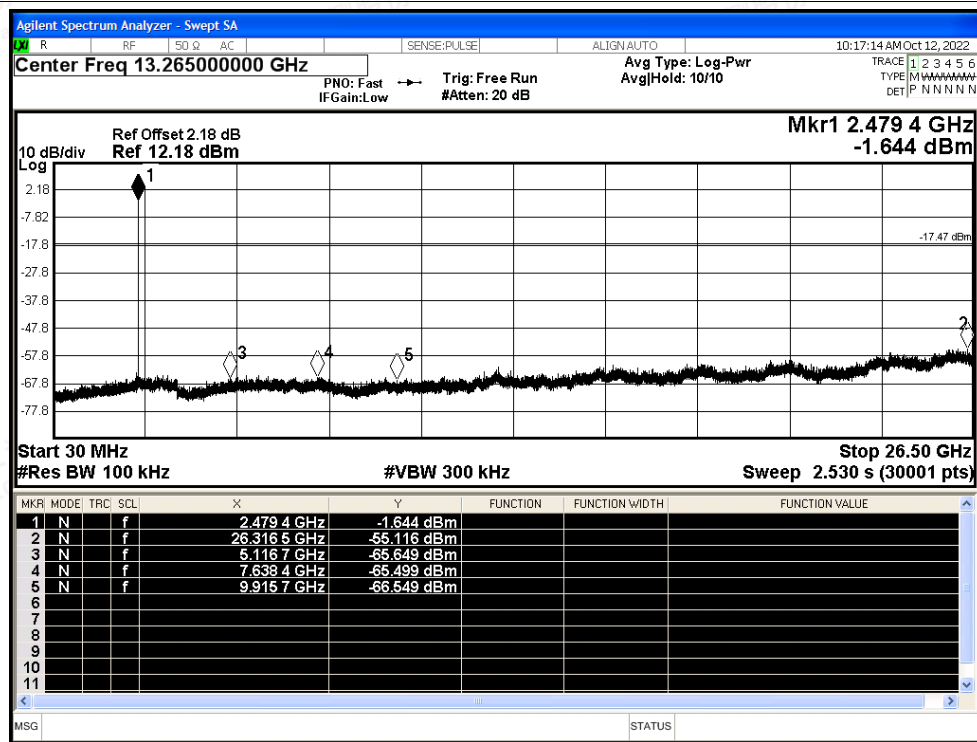




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.8 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	-50.49	2.05	46.79	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.25	2.05	37.03	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2383.344	-46.23	2.05	51.05	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2321.808	-59.46	2.05	37.82	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.15	2.05	47.13	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.94	2.05	37.34	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.08	2.05	47.20	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-59.84	2.05	37.44	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2494.552	-47.26	2.05	50.02	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2498.32	-59.41	2.05	37.87	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.58	2.05	47.70	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-59.66	2.05	37.62	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.45	2.05	45.83	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.23	2.05	37.05	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2376.336	-47.6	2.05	49.68	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2388.336	-59.82	2.05	37.46	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.14	2.05	47.14	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.85	2.05	37.43	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-39.12	2.05	58.16	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-53.85	2.05	43.43	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.728	-37.88	2.05	59.40	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-53.85	2.05	43.43	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.89	2.05	47.39	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.56	2.05	37.72	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.09	2.05	46.19	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.25	2.05	37.03	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2362.128	-47.31	2.05	49.97	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2386.32	-59.72	2.05	37.56	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.61	2.05	45.67	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.93	2.05	37.35	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-38.41	2.05	58.87	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-54.14	2.05	43.14	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.704	-37.49	2.05	59.79	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-54.14	2.05	43.14	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.58	2.05	47.70	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-59.48	2.05	37.80	Average	54	Pass

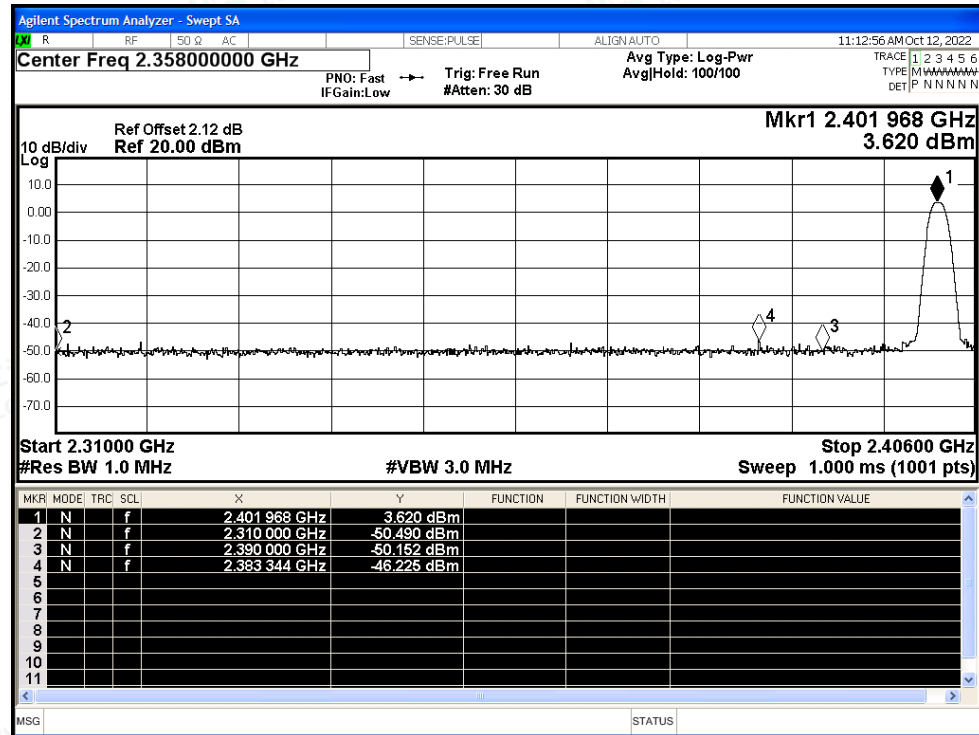


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

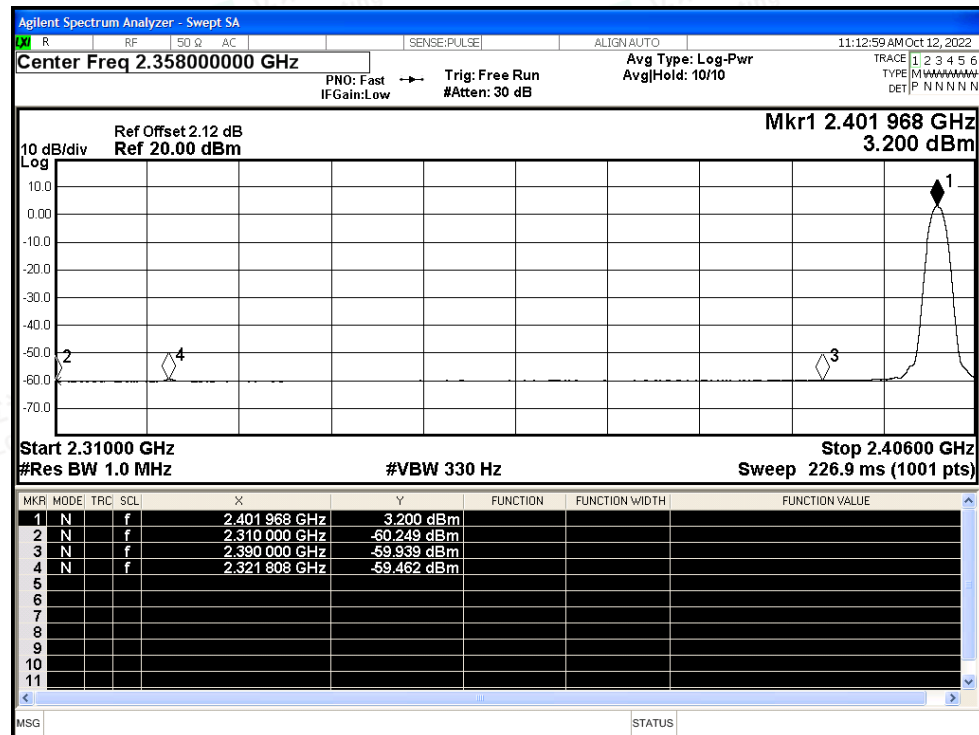


Test Graphs

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

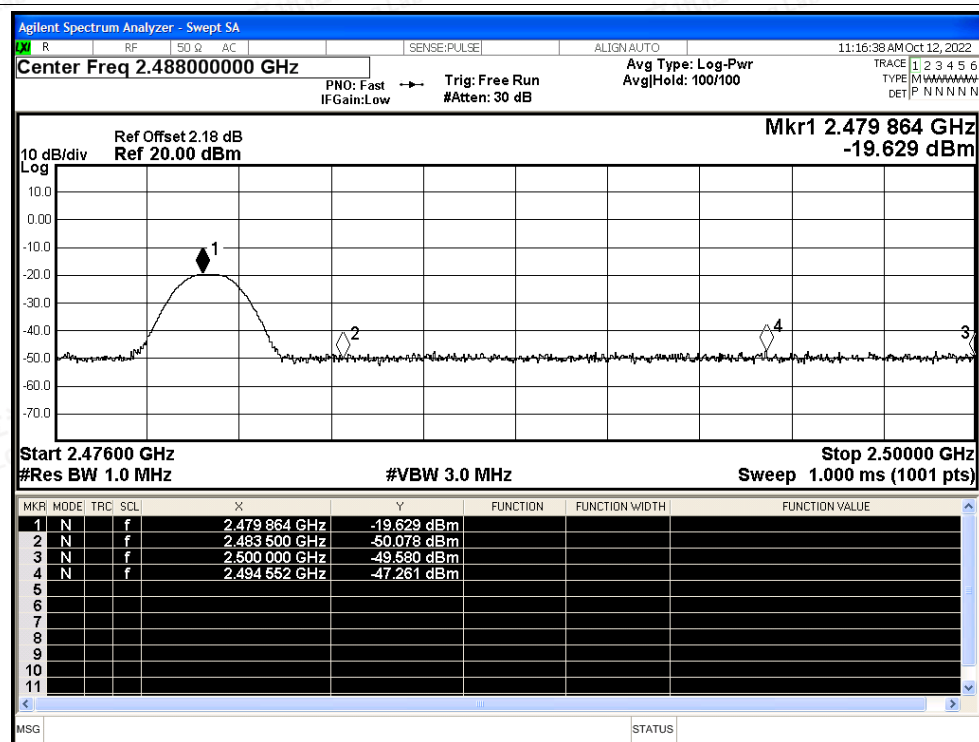


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

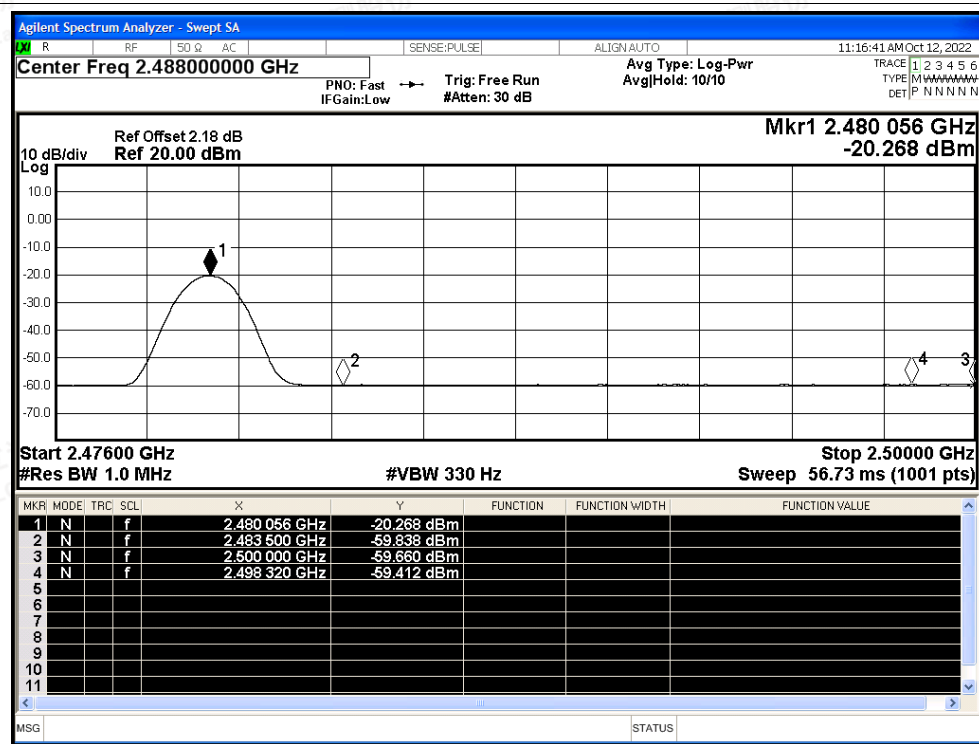




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

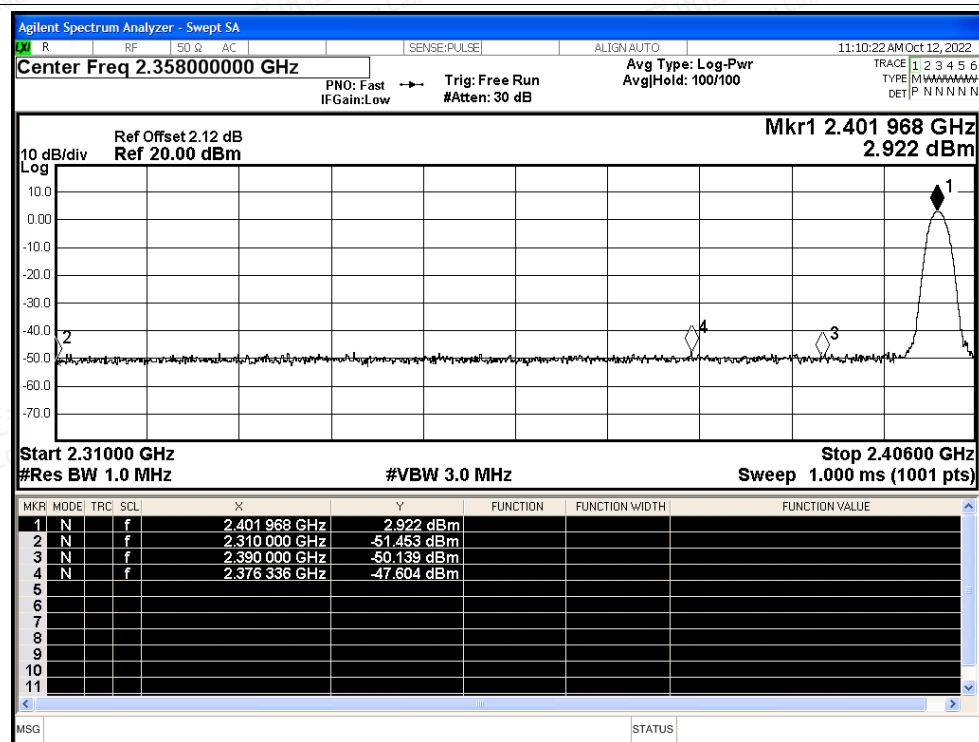


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

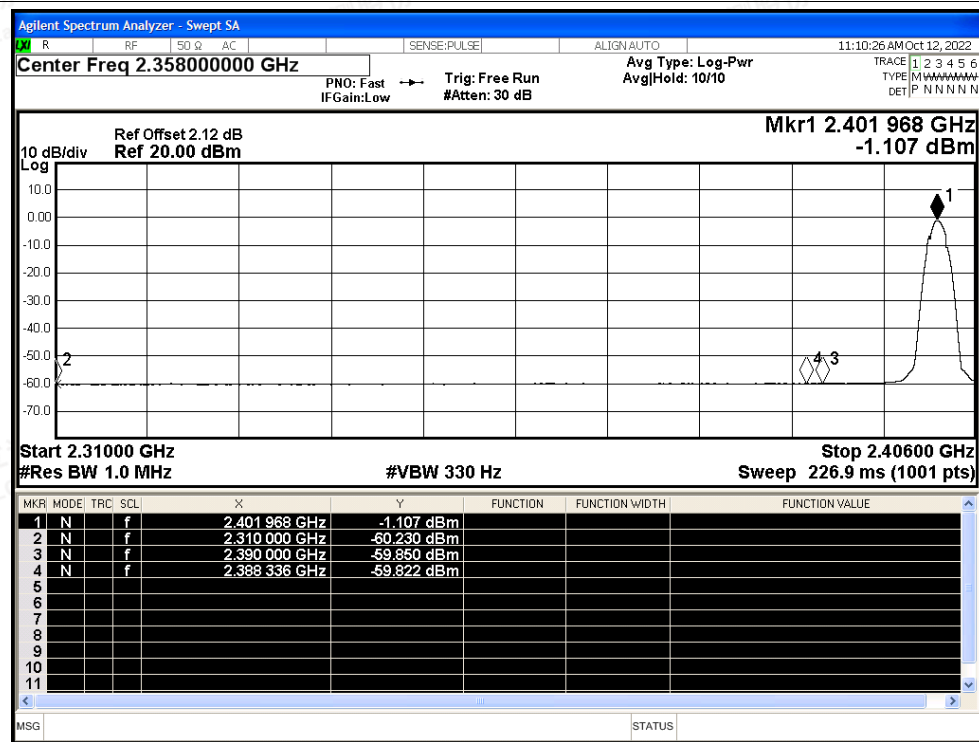




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

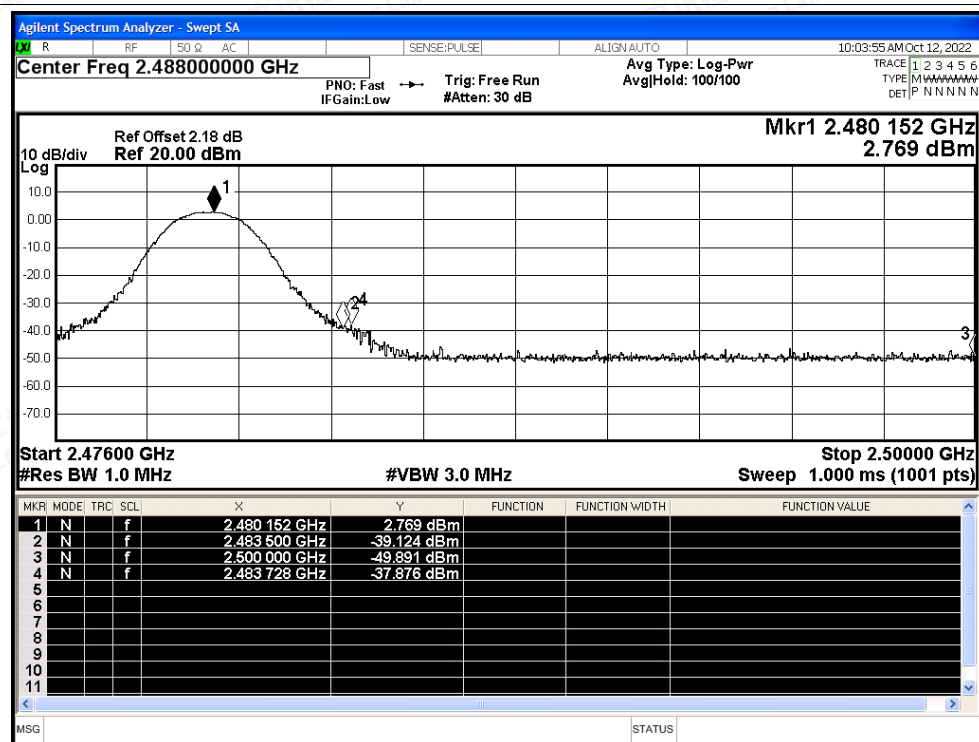


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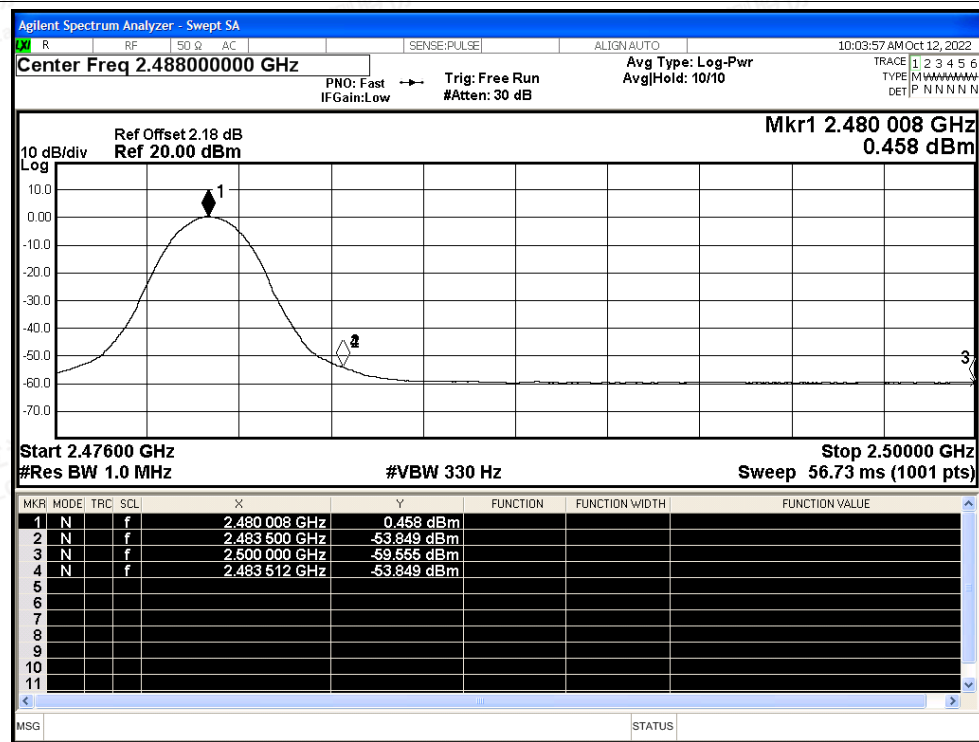




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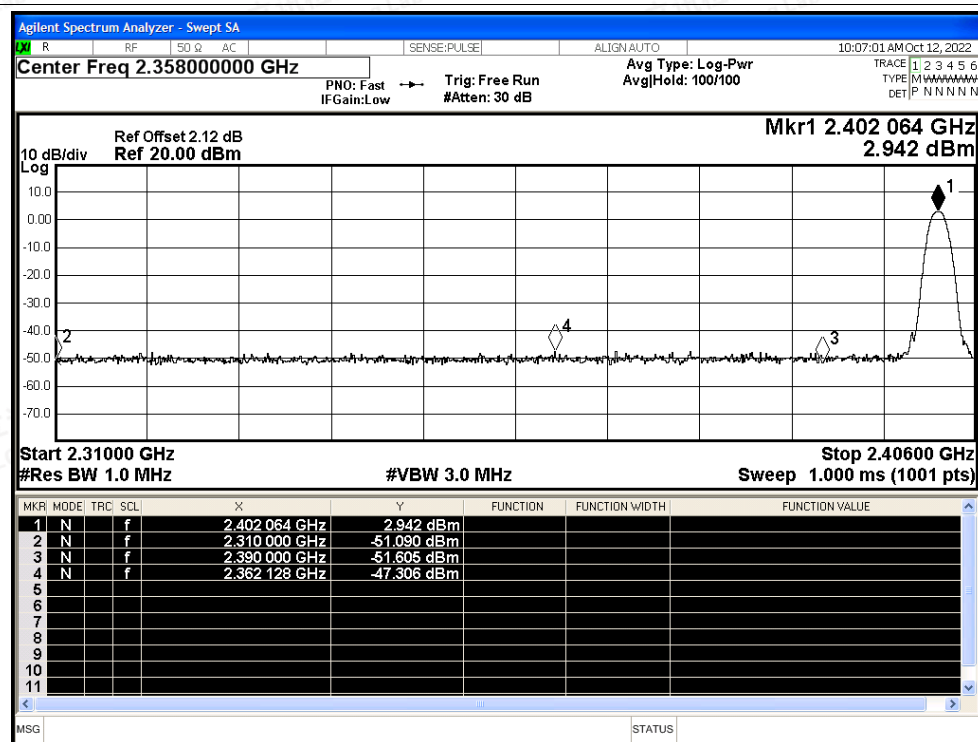


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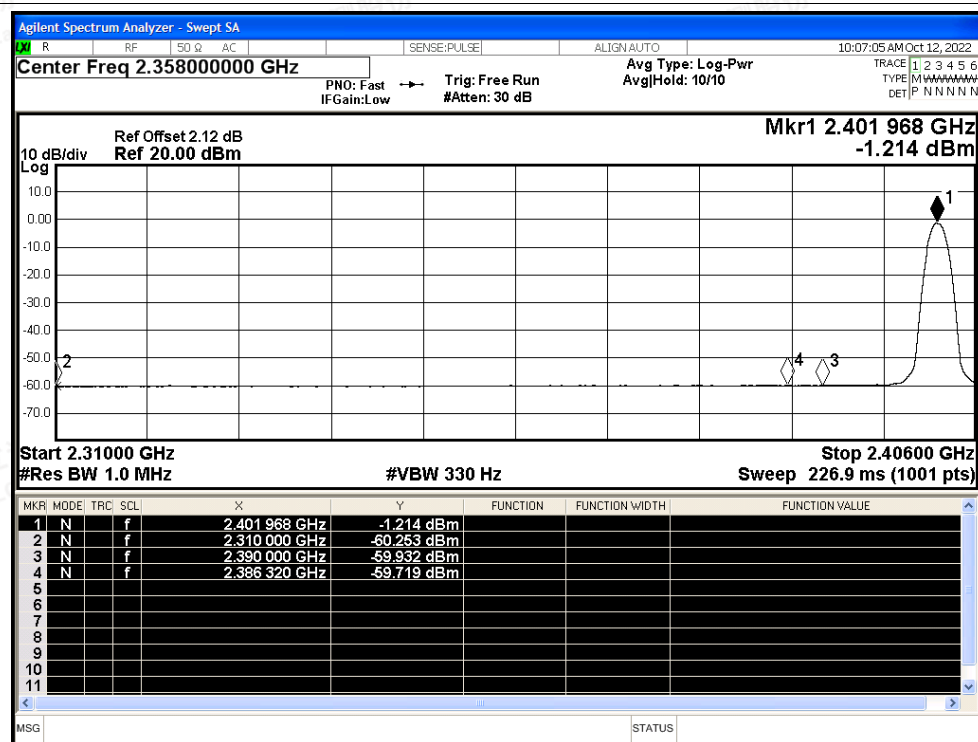




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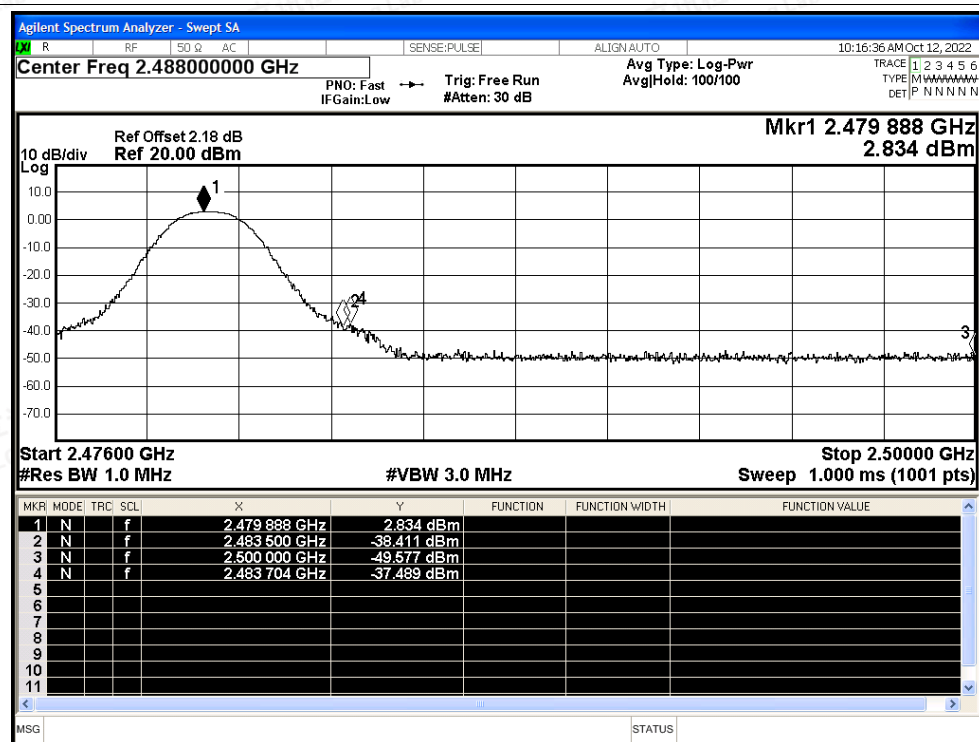


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

