



## Appendix A

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

Product Name: Smart watch

Test Model: SR1

#### Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Joker 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	0.96	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.954	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.952	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.366	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.363	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.367	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.35	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.348	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.348	N/A	Pass

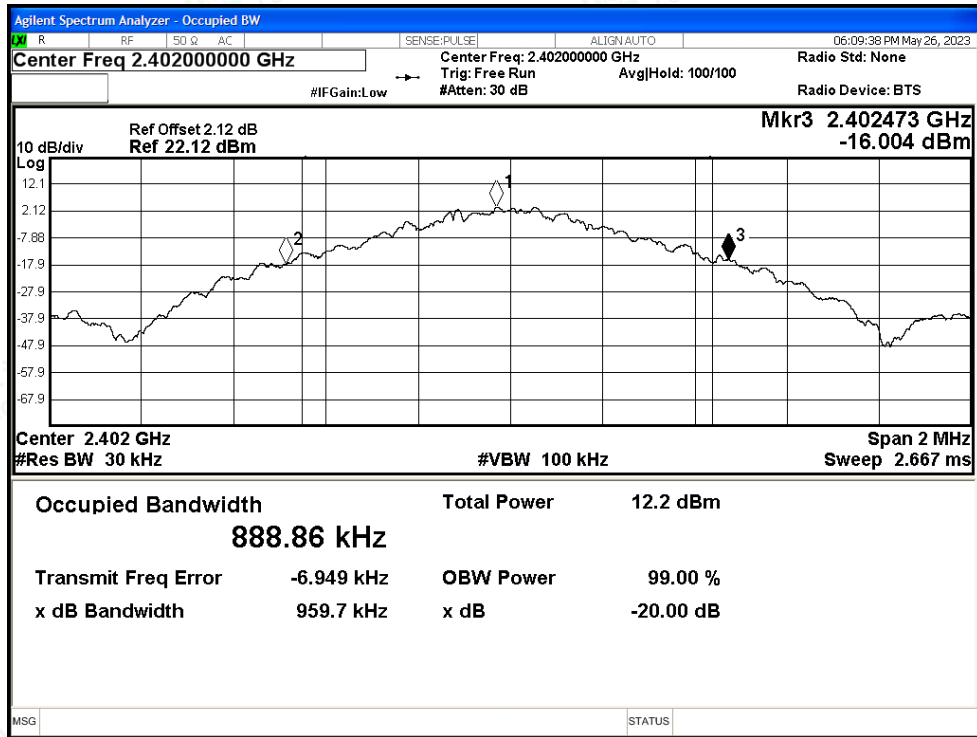


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Scan code to check authenticity

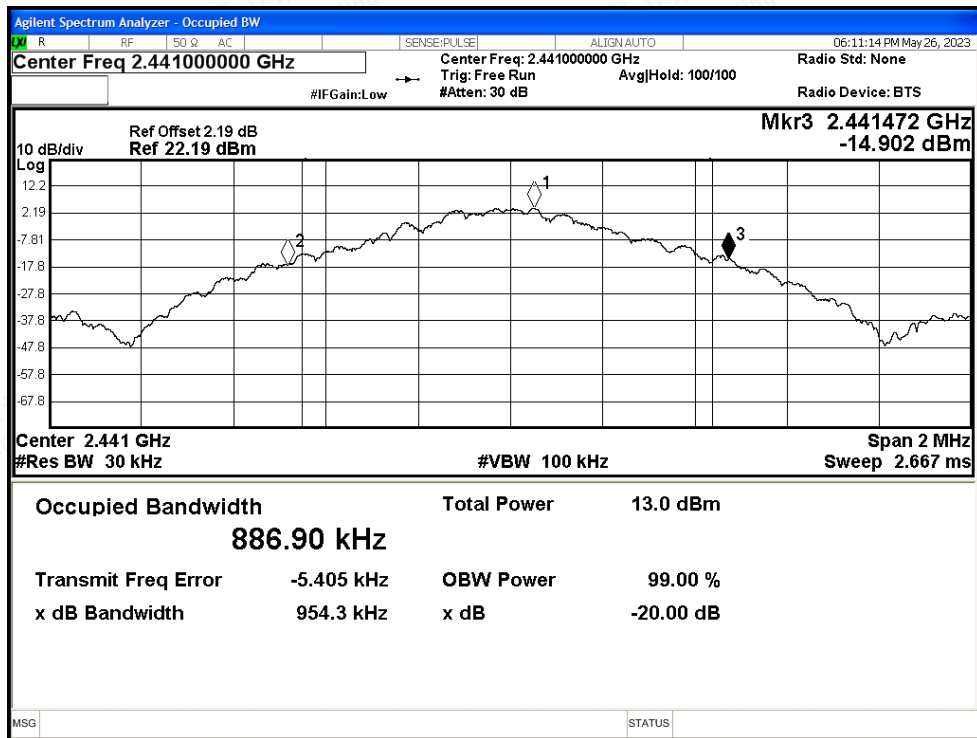


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

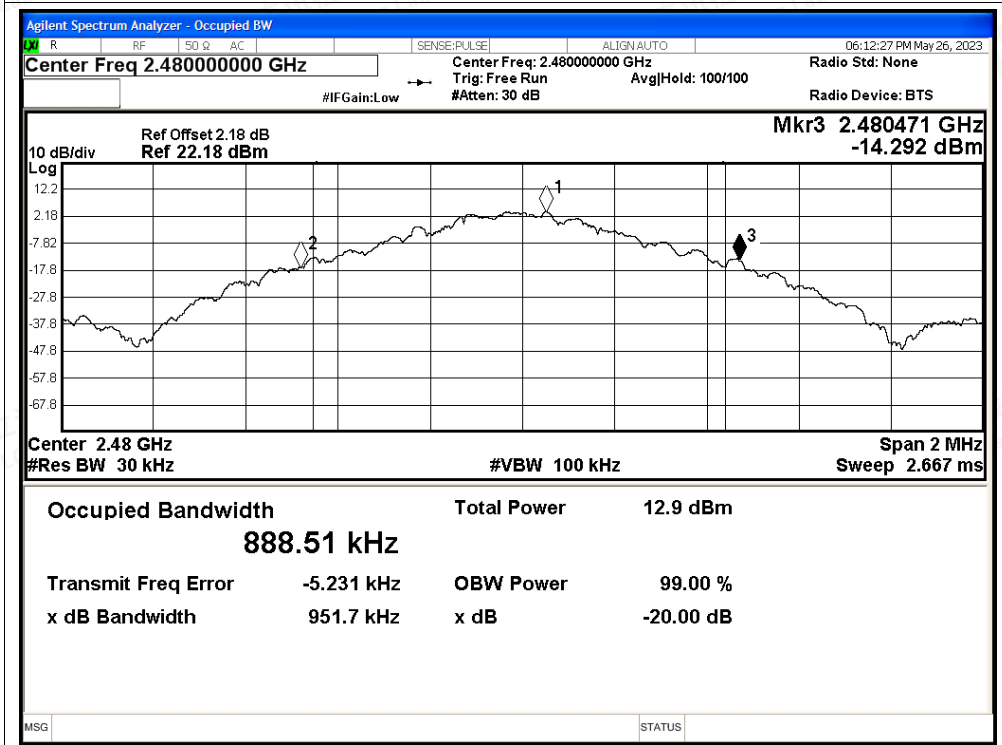


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

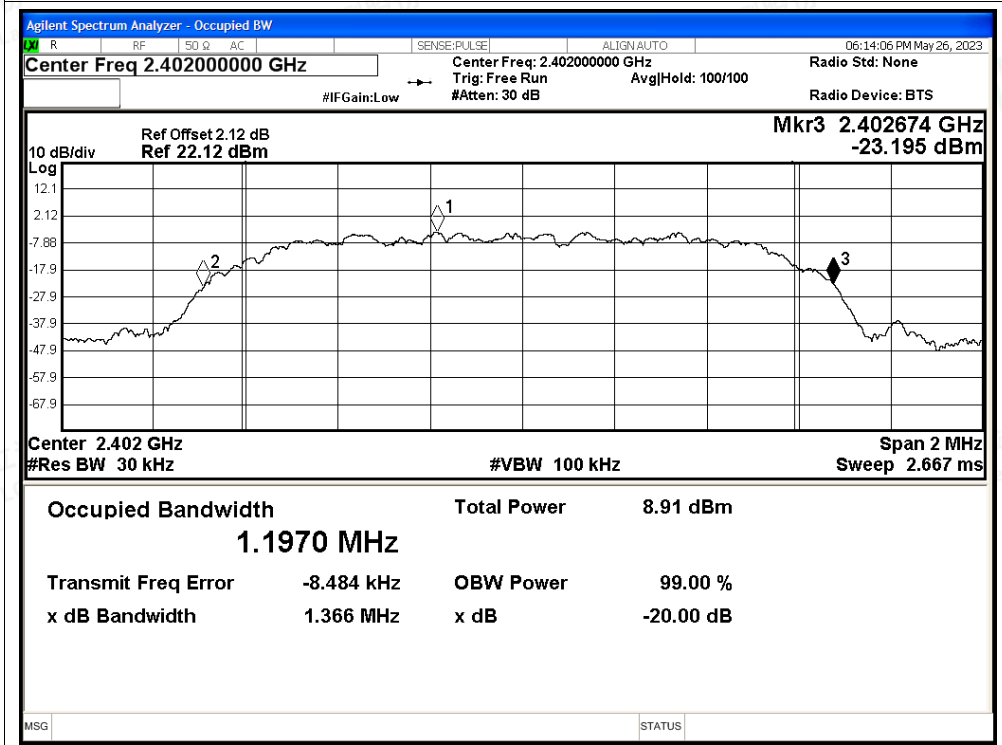




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

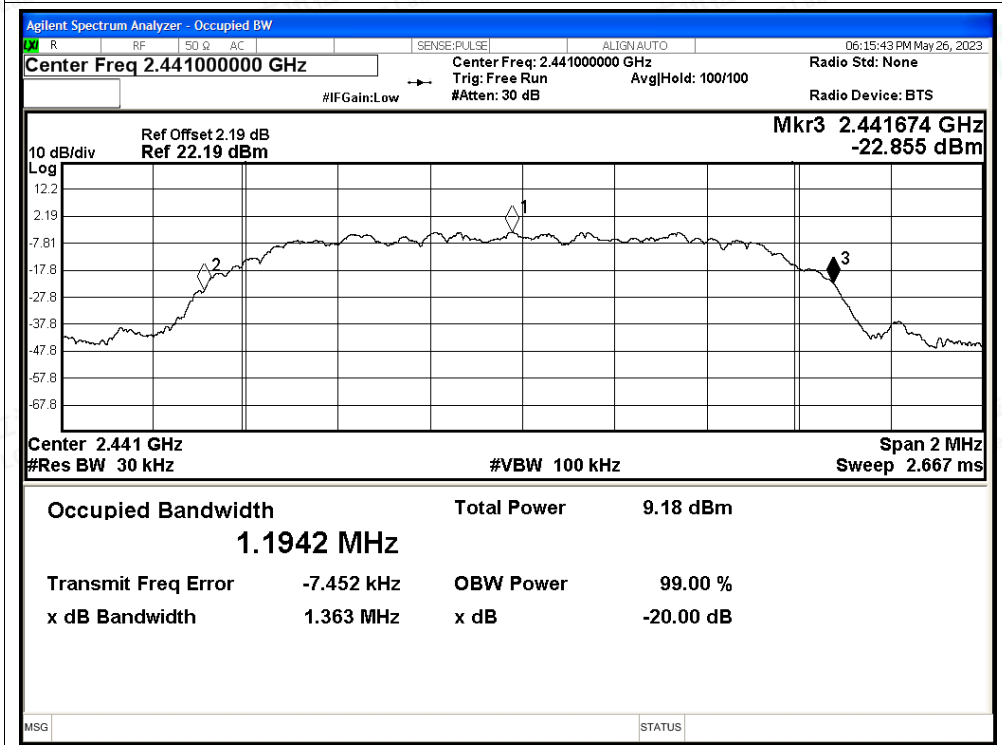


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

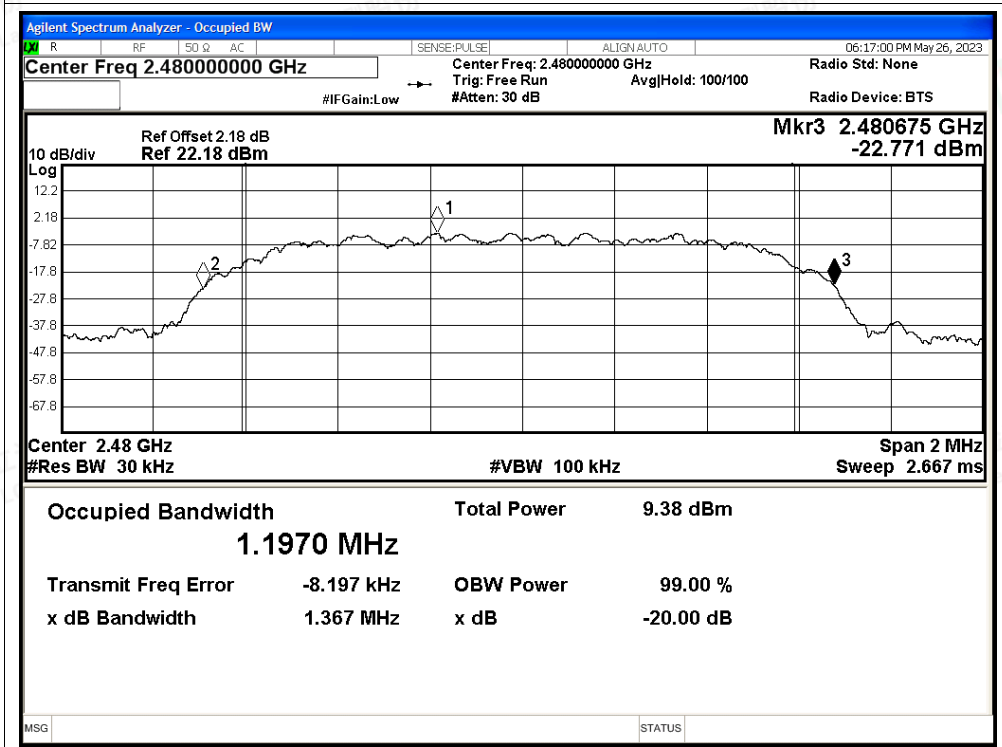




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

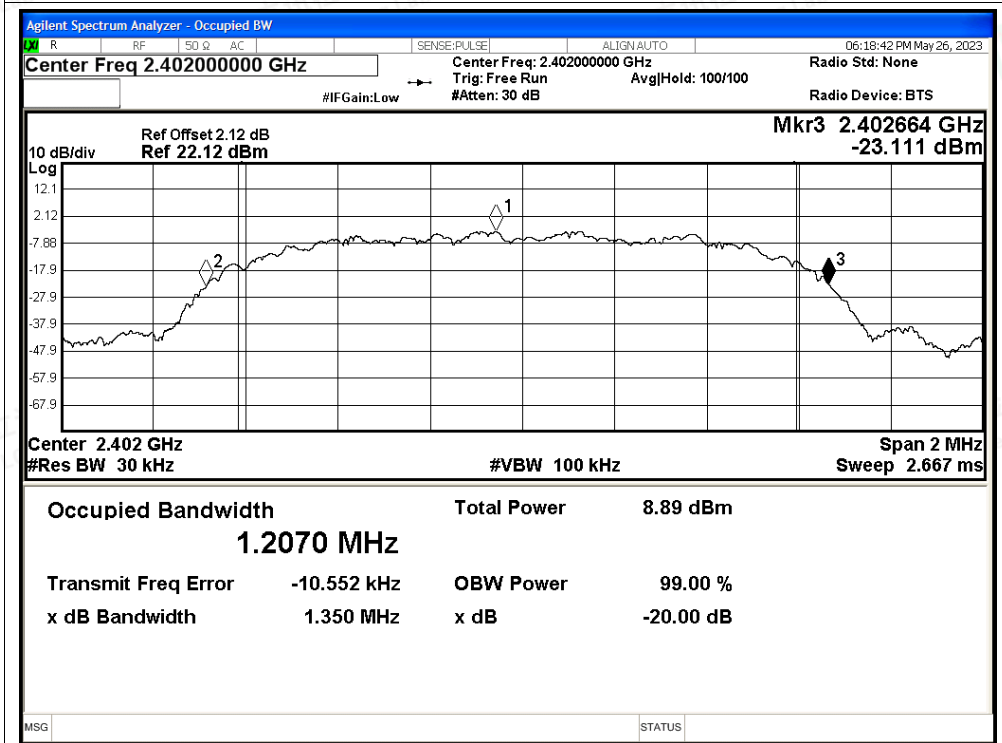


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

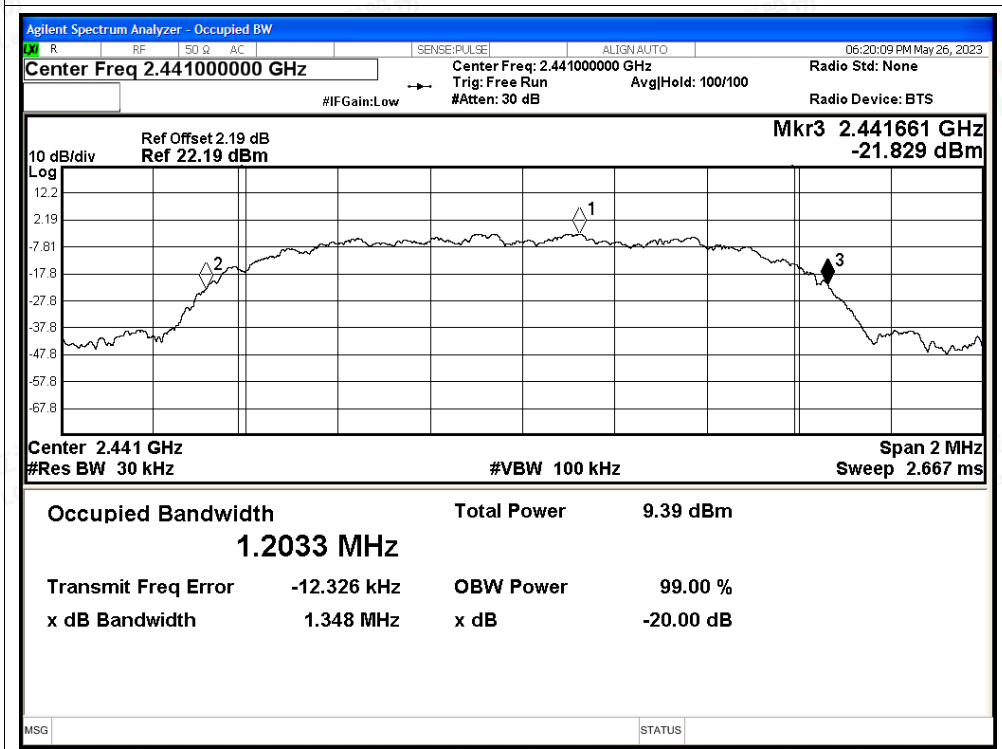


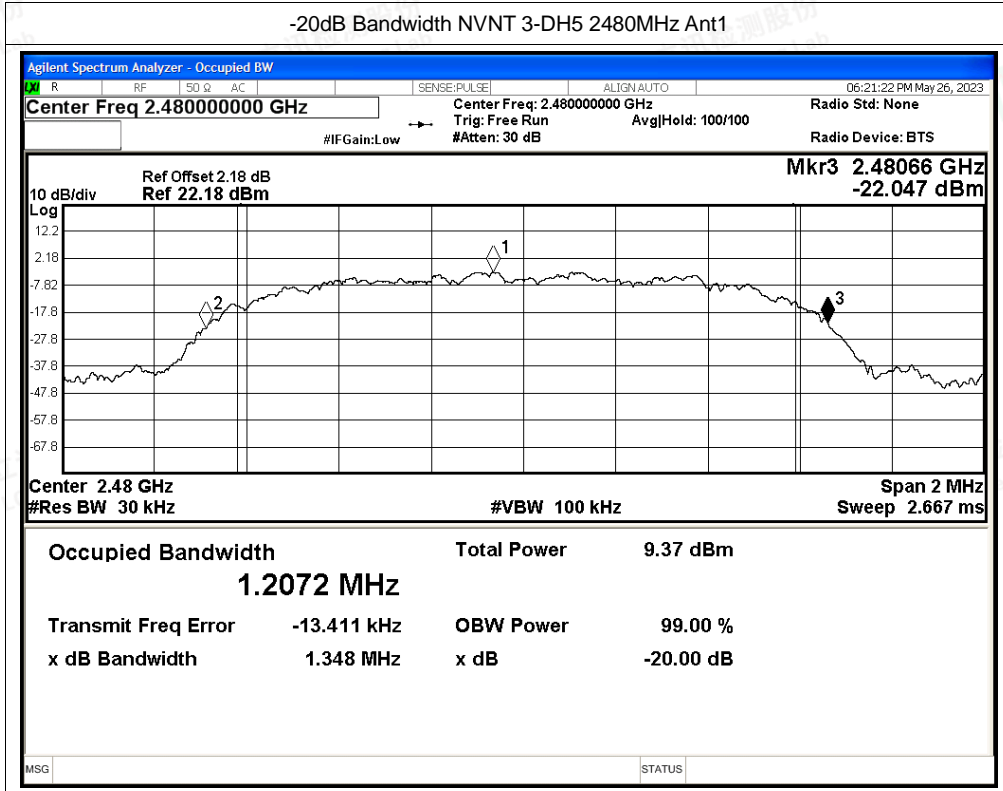


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-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	6.35	21	Pass
NVNT	1-DH5	2441	Ant1	6.76	21	Pass
NVNT	1-DH5	2480	Ant1	6.61	21	Pass
NVNT	2-DH5	2402	Ant1	4.72	21	Pass
NVNT	2-DH5	2441	Ant1	5.19	21	Pass
NVNT	2-DH5	2480	Ant1	5.16	21	Pass
NVNT	3-DH5	2402	Ant1	5.25	21	Pass
NVNT	3-DH5	2441	Ant1	5.68	21	Pass
NVNT	3-DH5	2480	Ant1	5.62	21	Pass



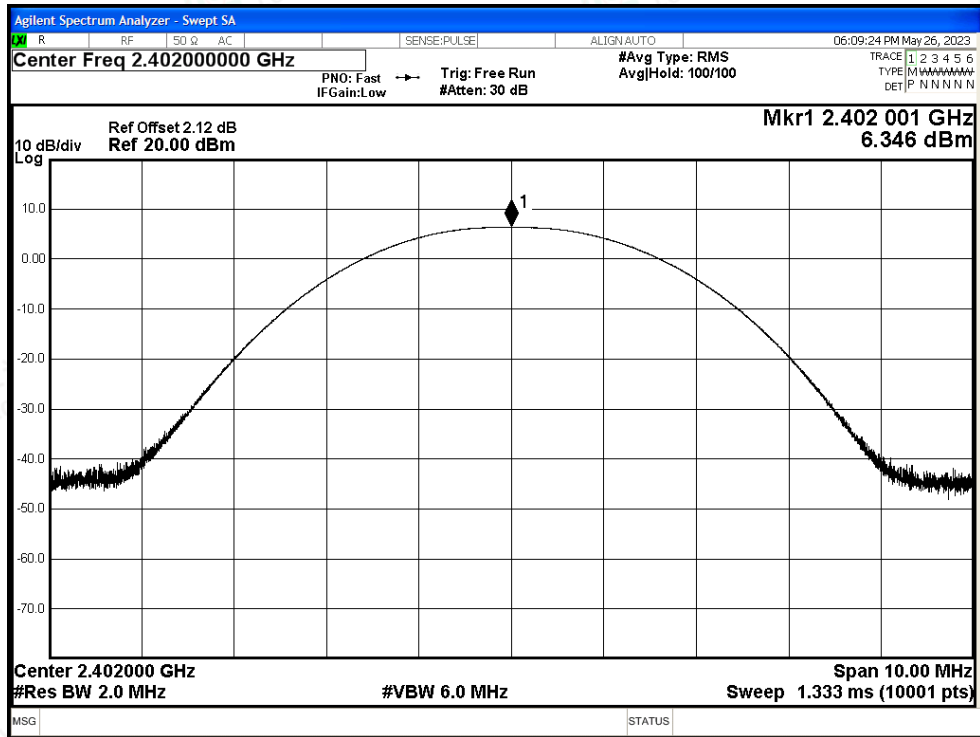
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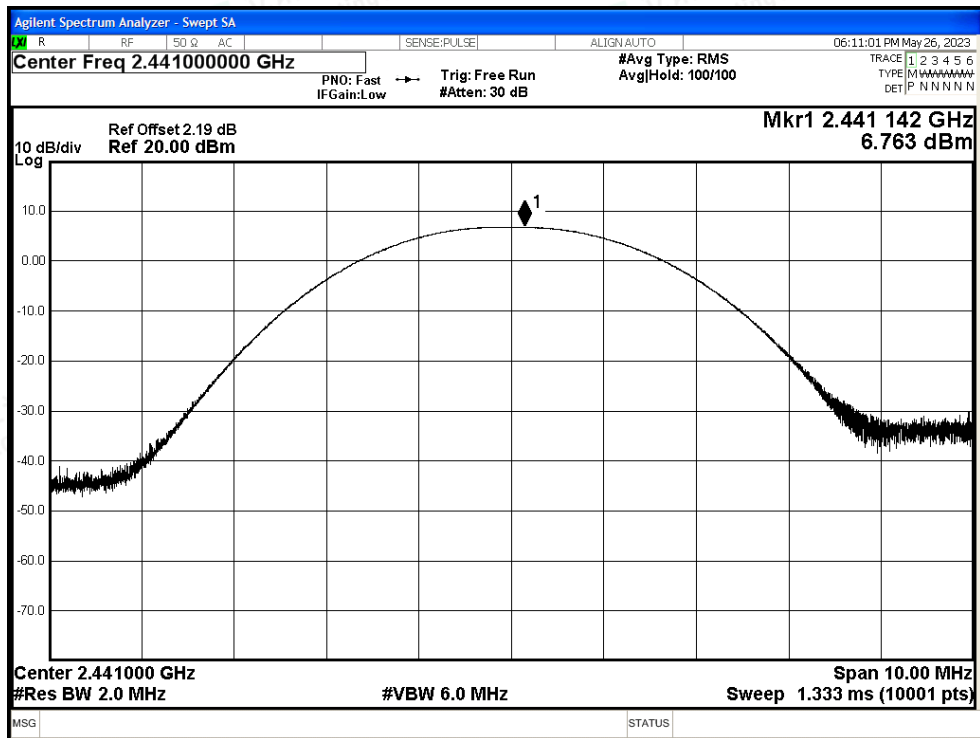


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

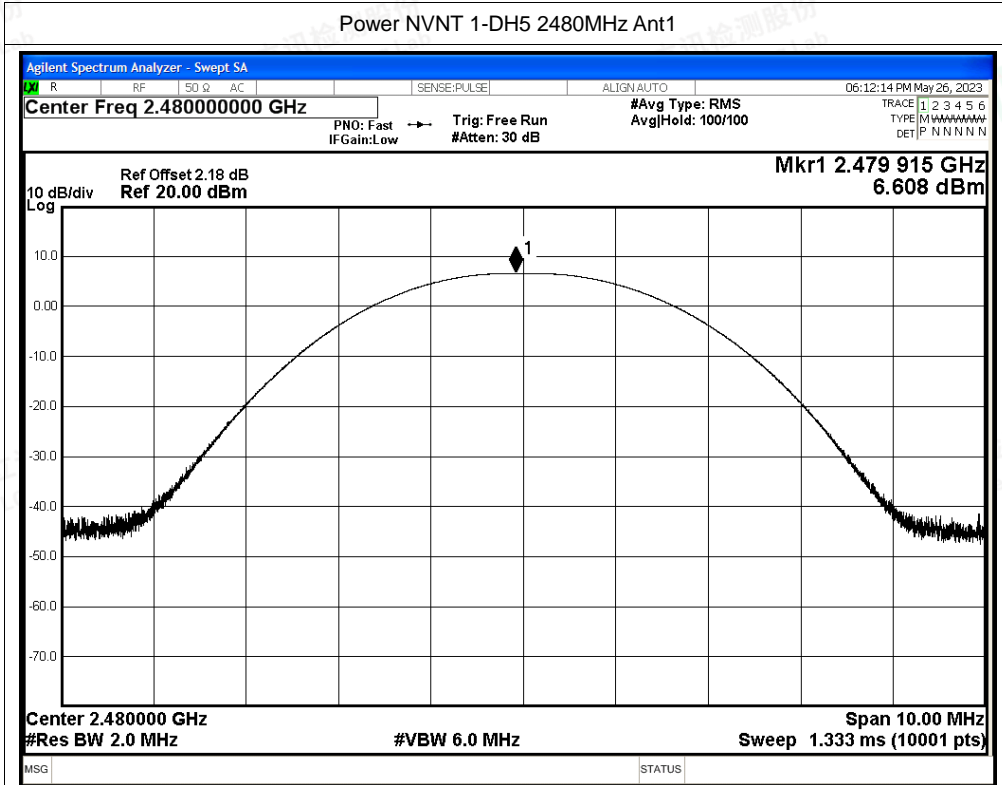


Power NVNT 1-DH5 2441MHz Ant1

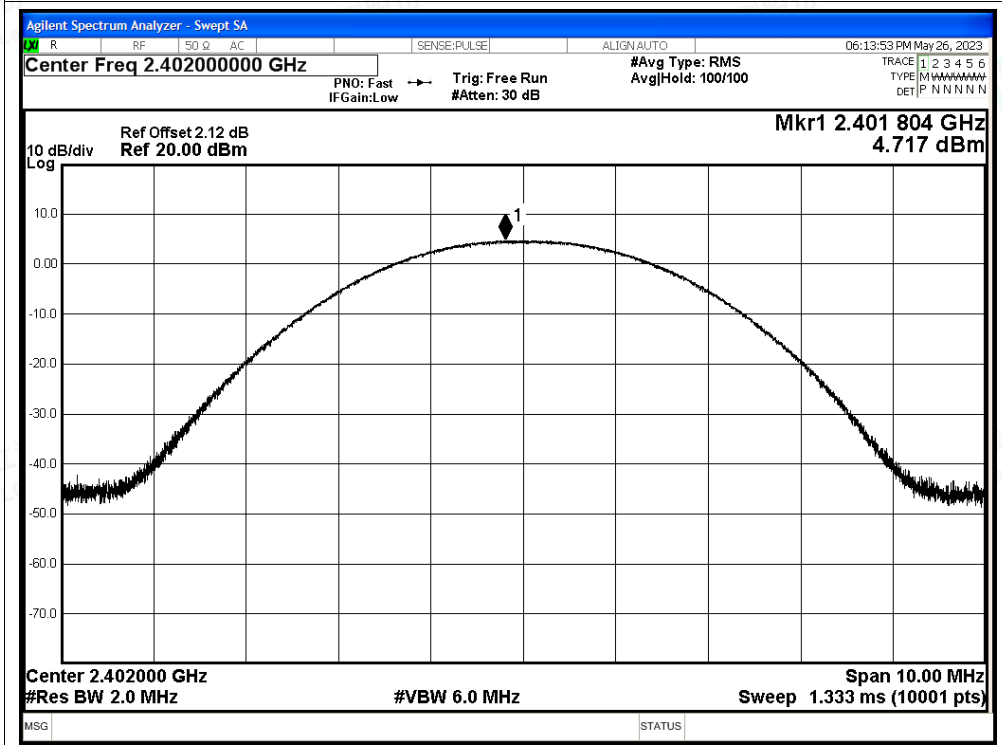




Power NVNT 1-DH5 2480MHz Ant1

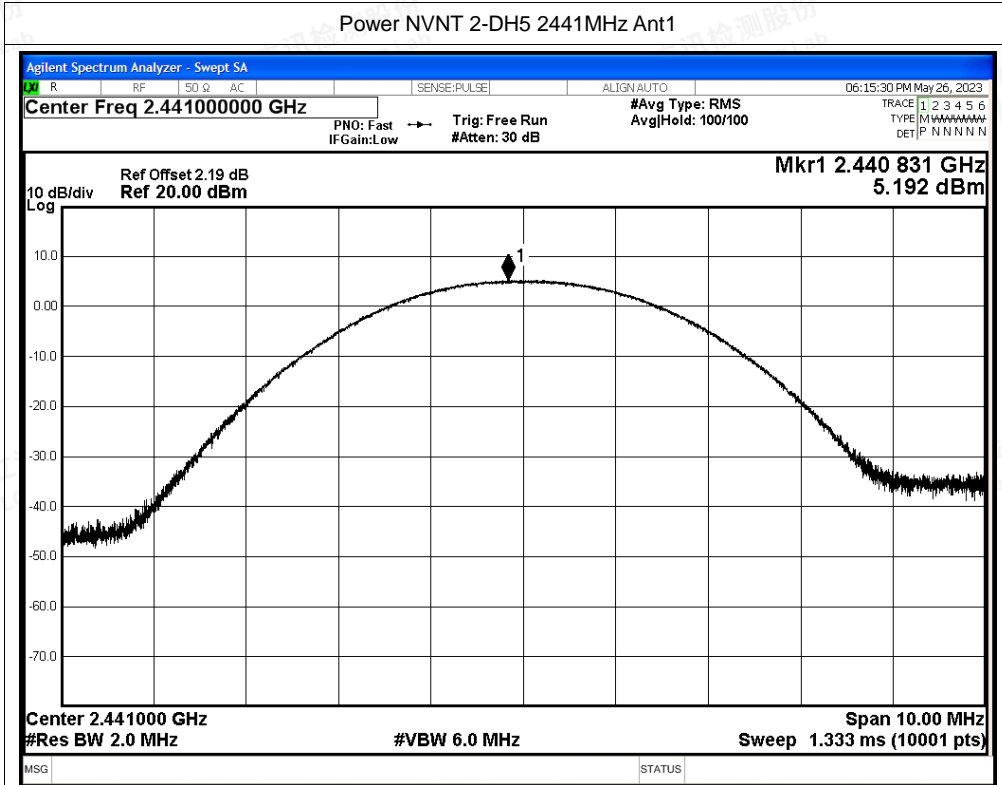


Power NVNT 2-DH5 2402MHz Ant1

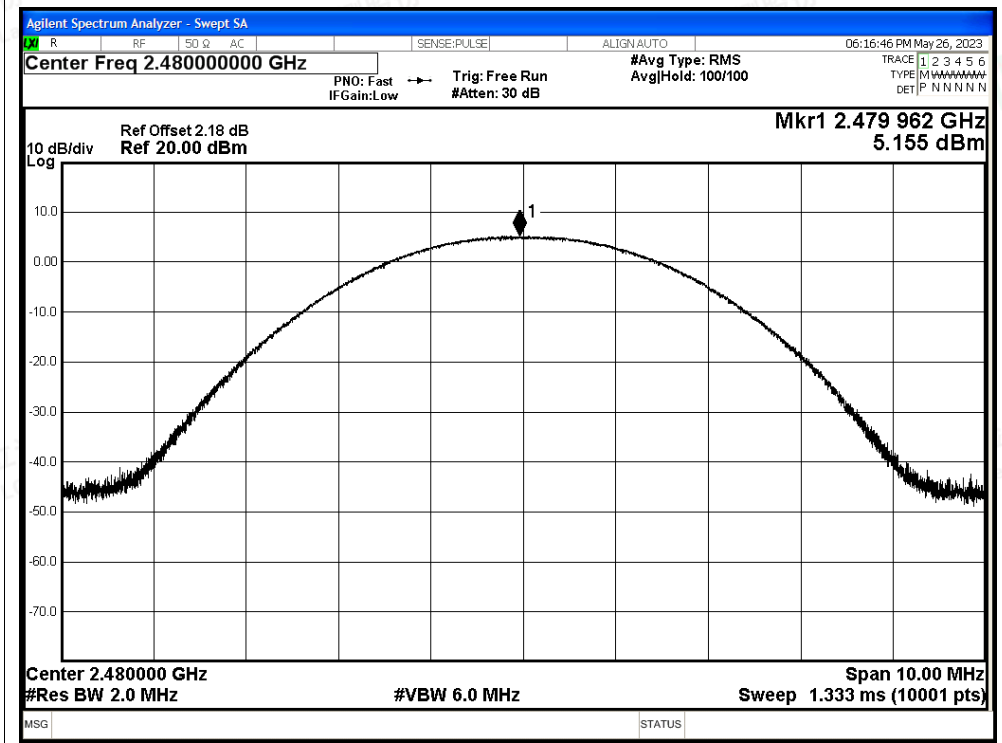




Power NVNT 2-DH5 2441MHz Ant1

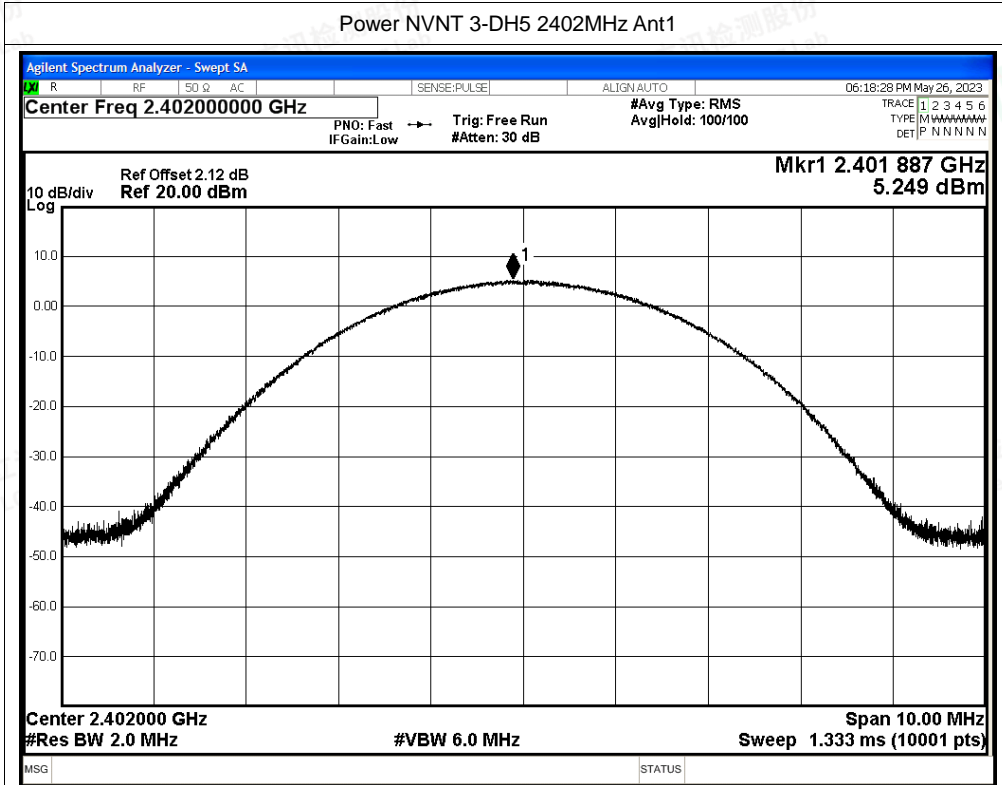


Power NVNT 2-DH5 2480MHz Ant1

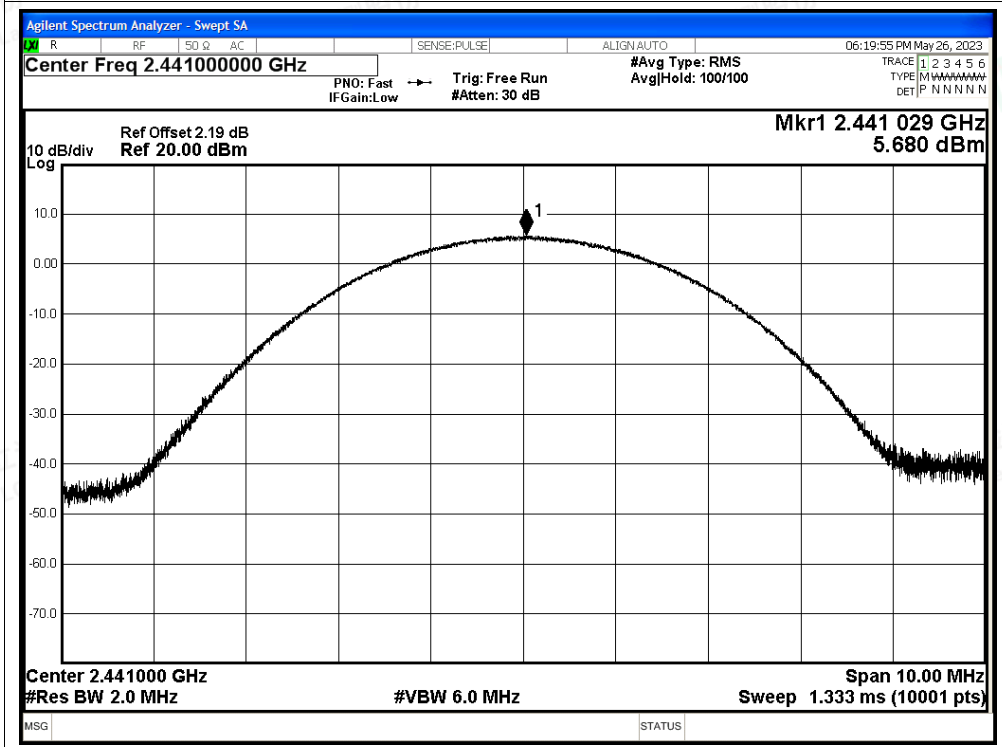


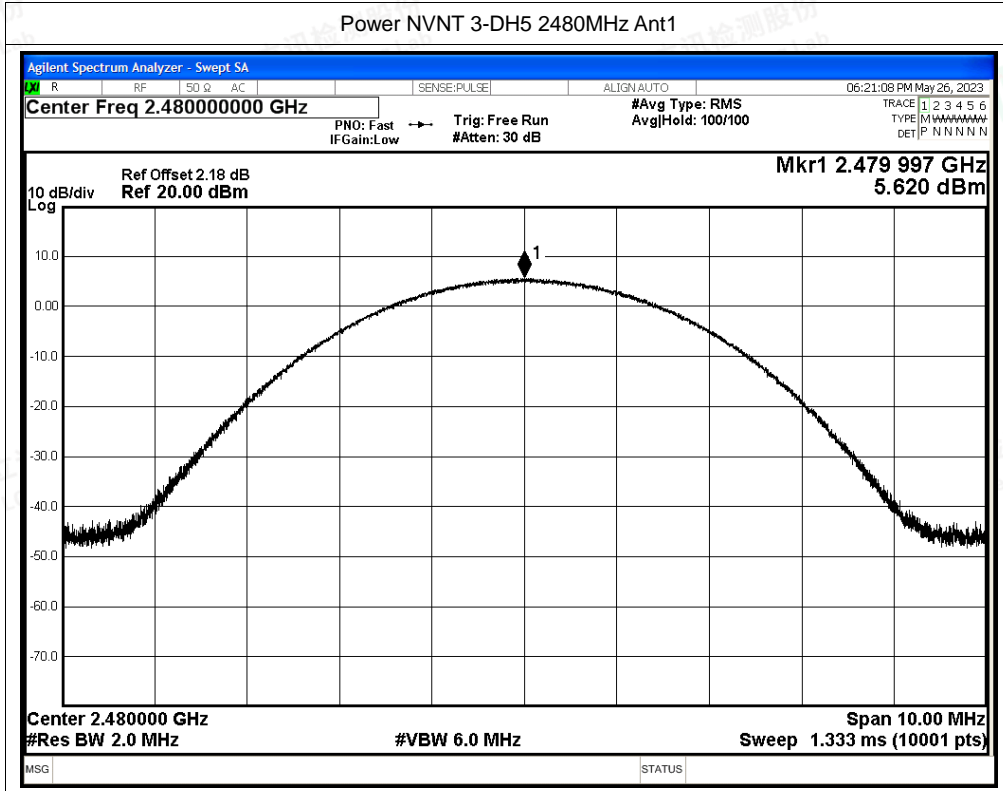


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-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	2401.822	2402.826	1.004	0.640	Pass
NVNT	2-DH5	Ant1	2401.99	2402.988	0.998	0.911	Pass
NVNT	3-DH5	Ant1	2401.932	2402.942	1.01	0.900	Pass

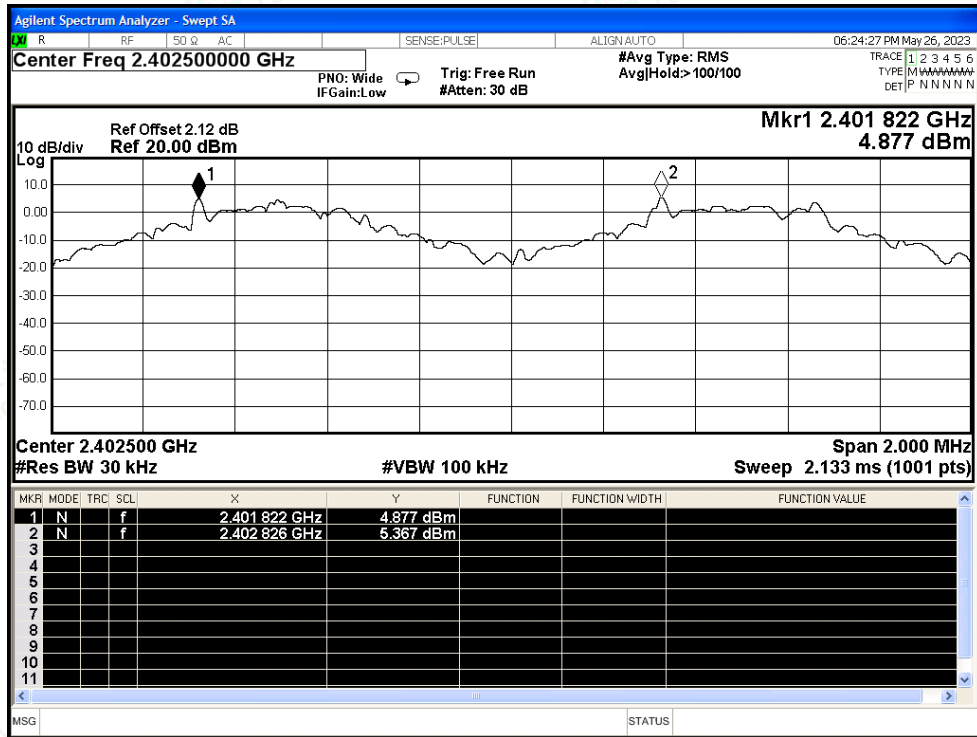


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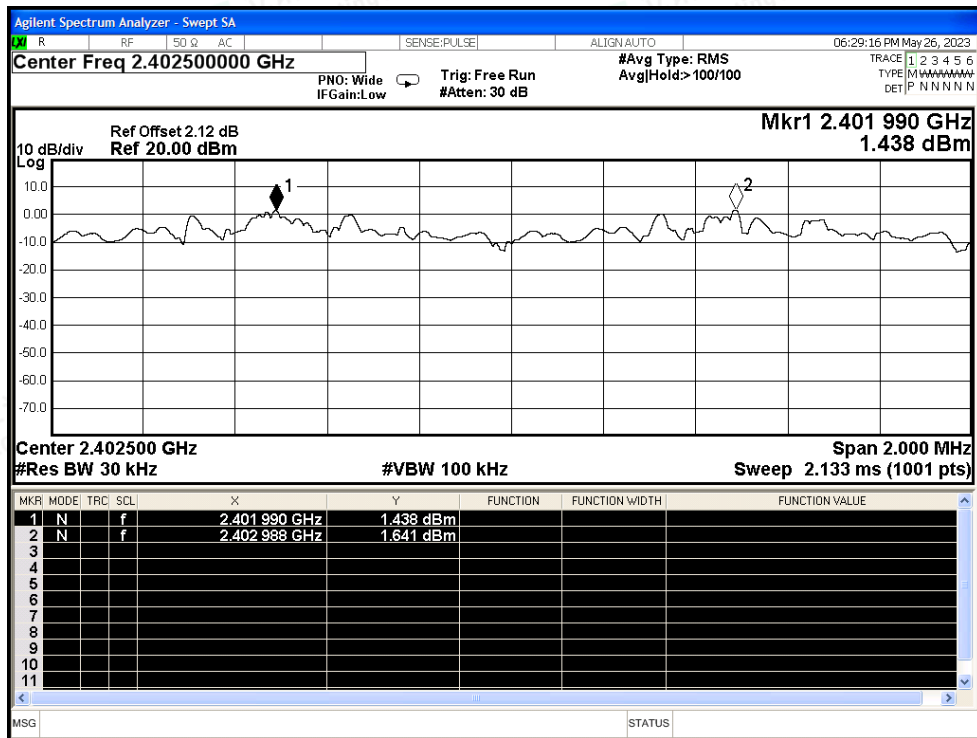


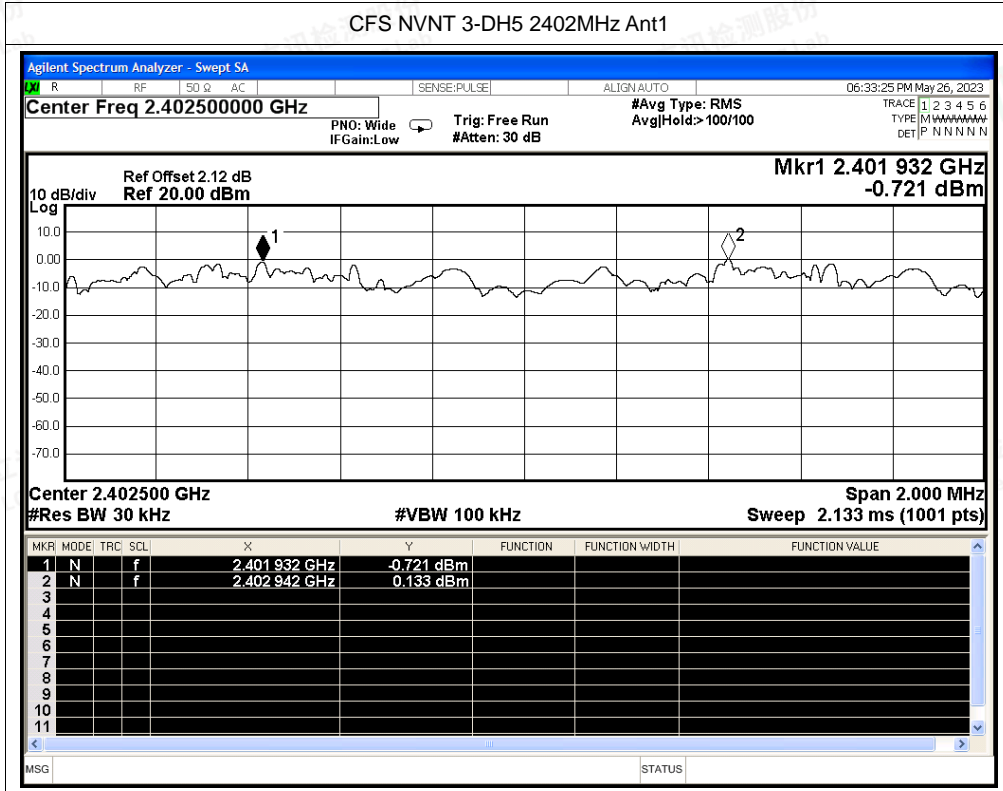
Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1









### A.4 Dwell Time

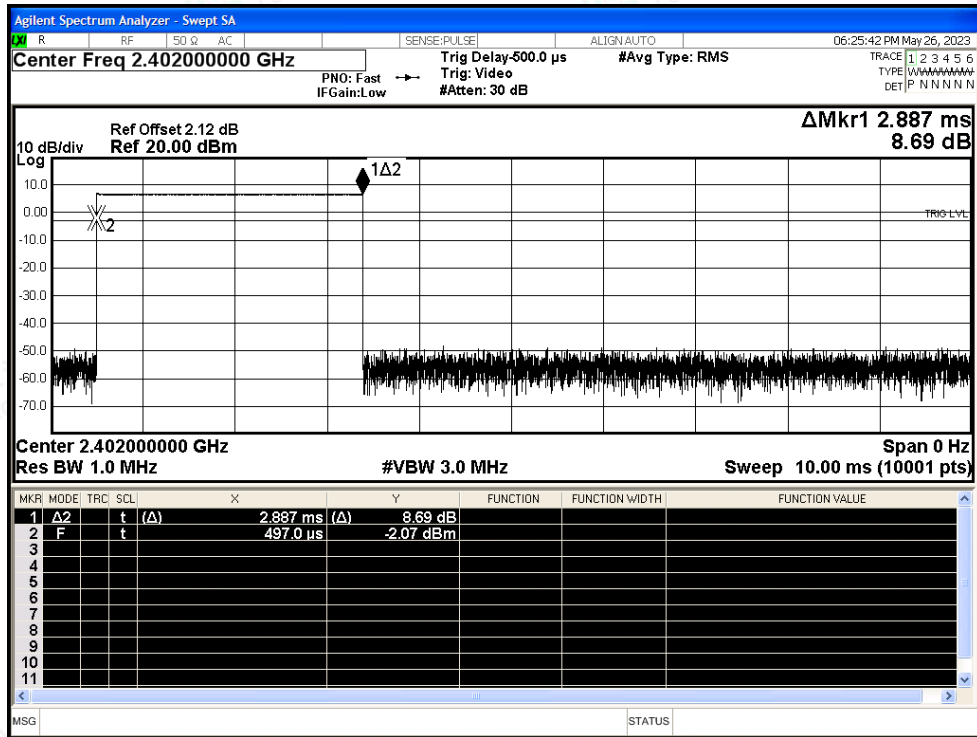
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.887	320.457	111	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.892	312.336	108	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.893	295.086	102	31600	400	Pass



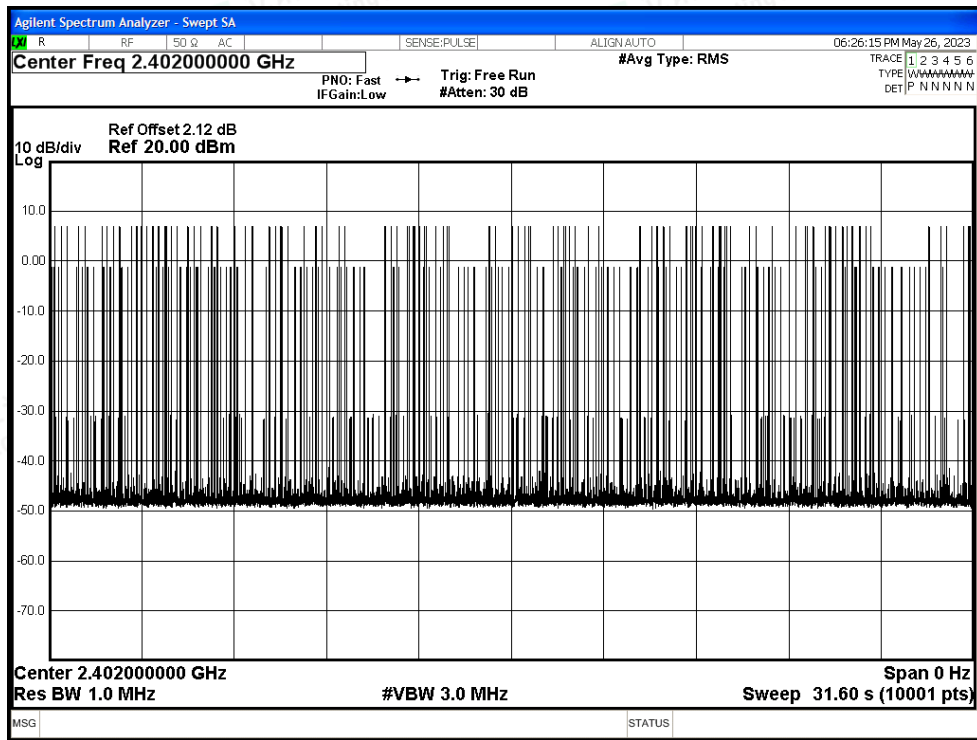


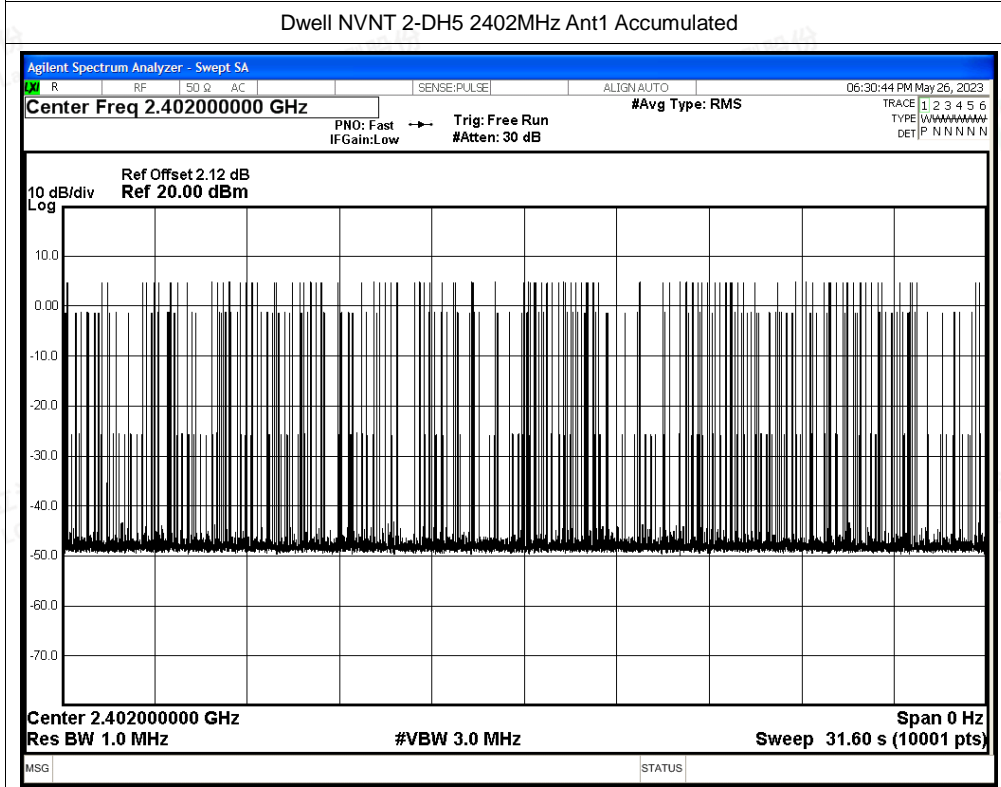
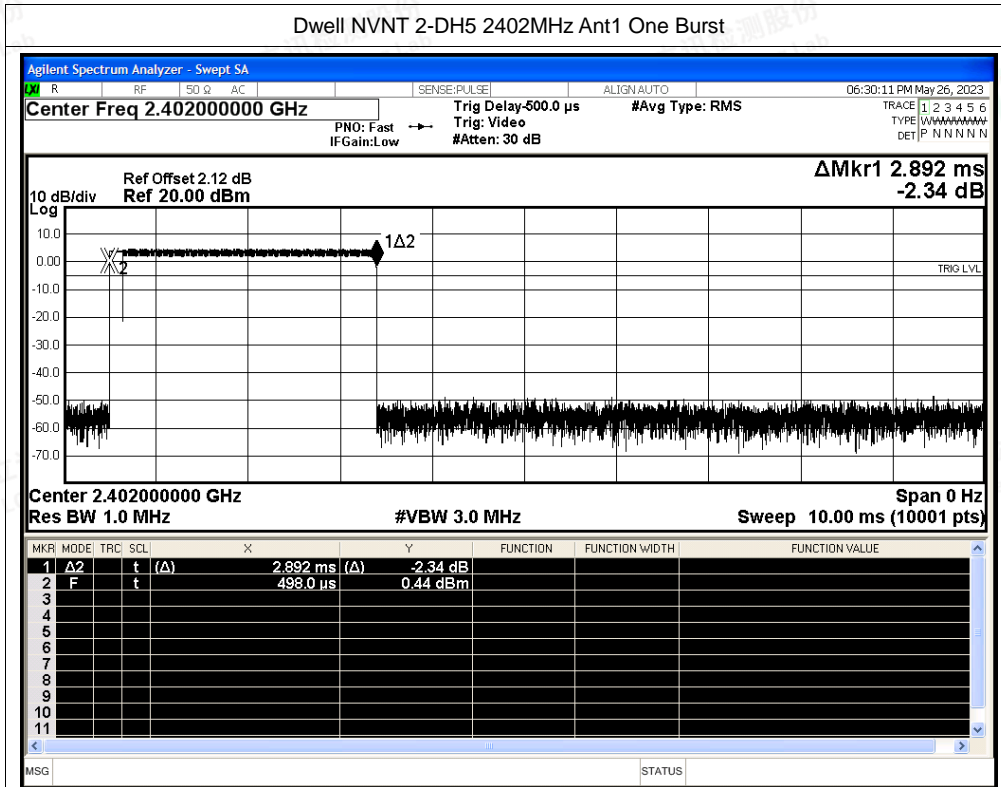
Test Graphs

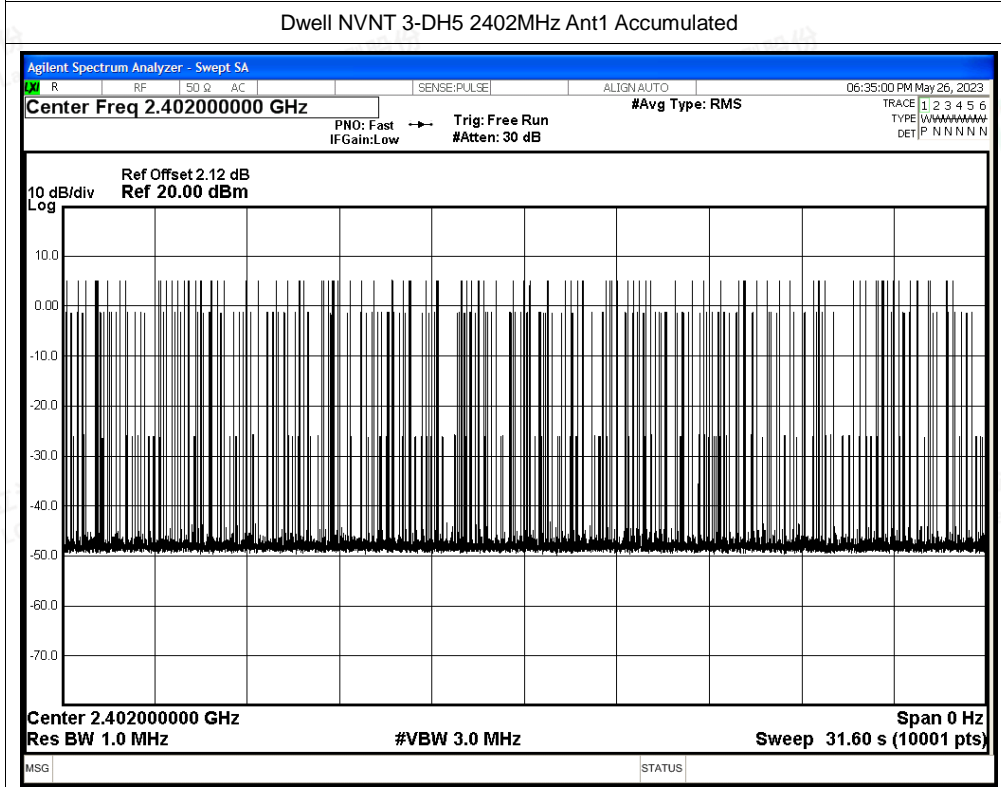
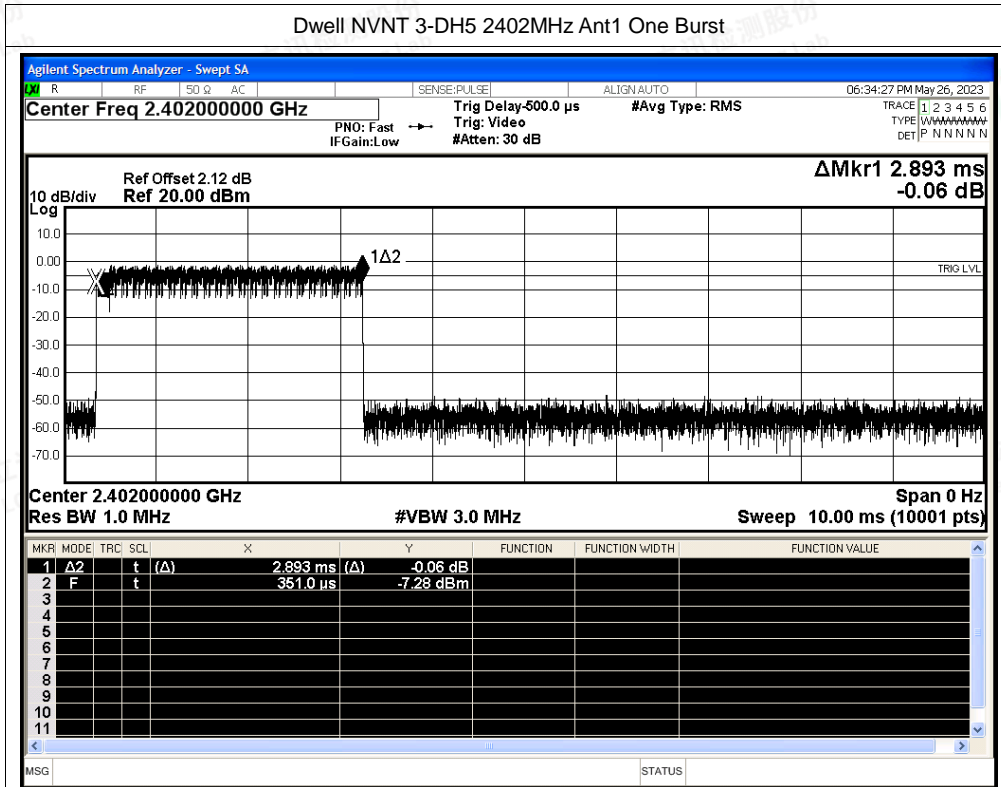
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated









## A.5 Number of Hopping Channel

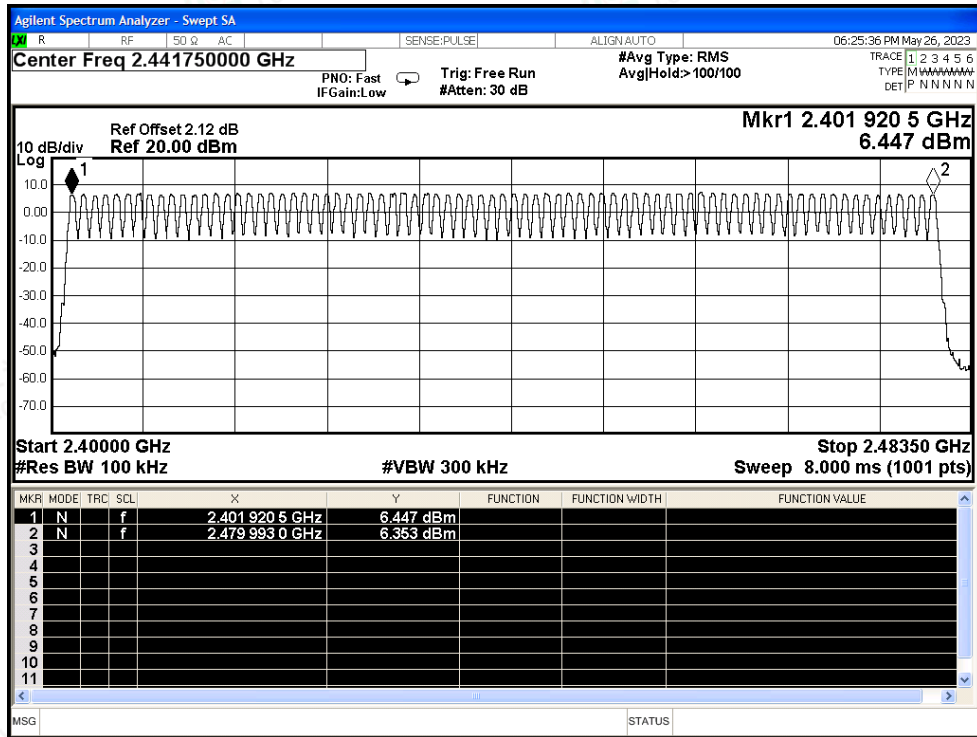
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



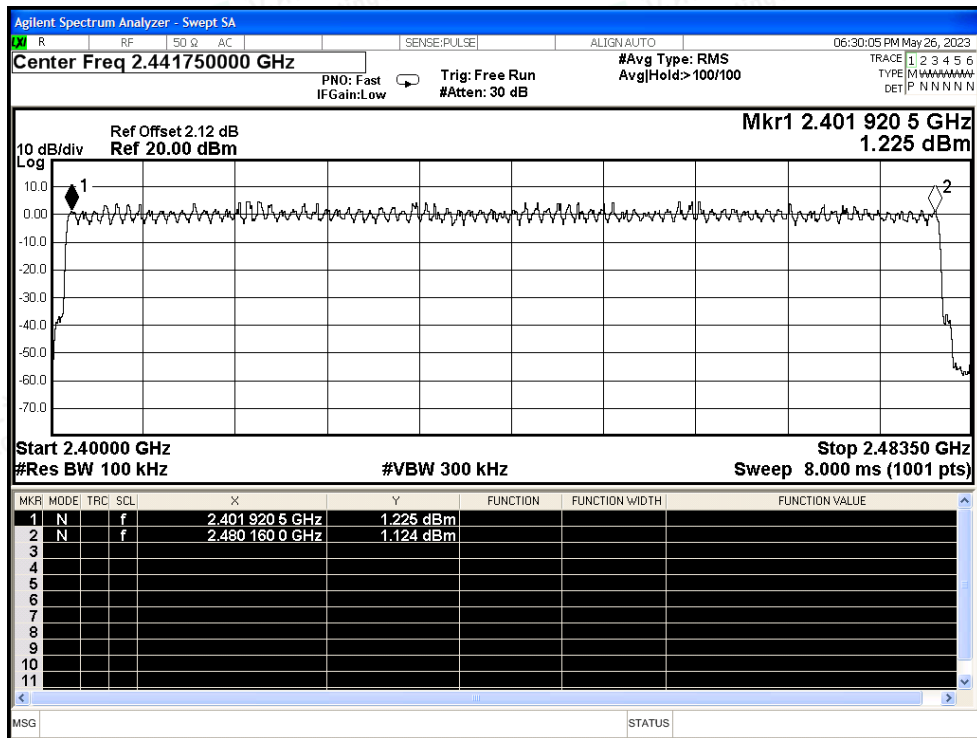


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

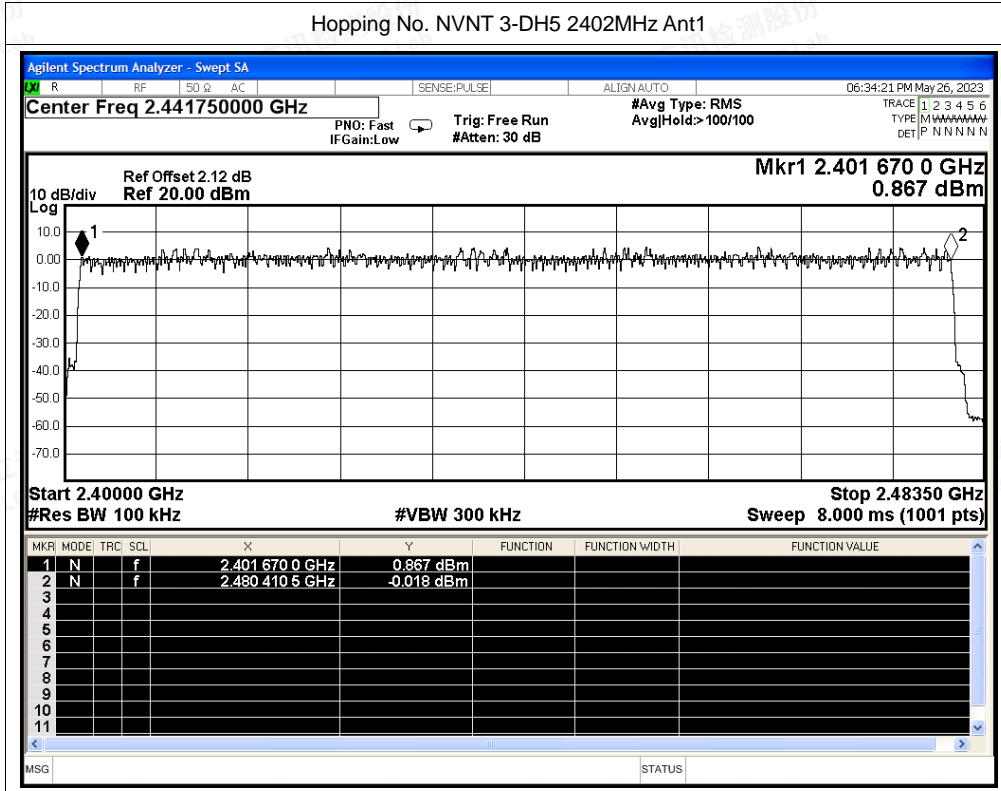


Hopping No. NVNT 2-DH5 2402MHz Ant1





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	-58.74	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.5	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.73	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-57.18	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.98	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.52	-20	Pass



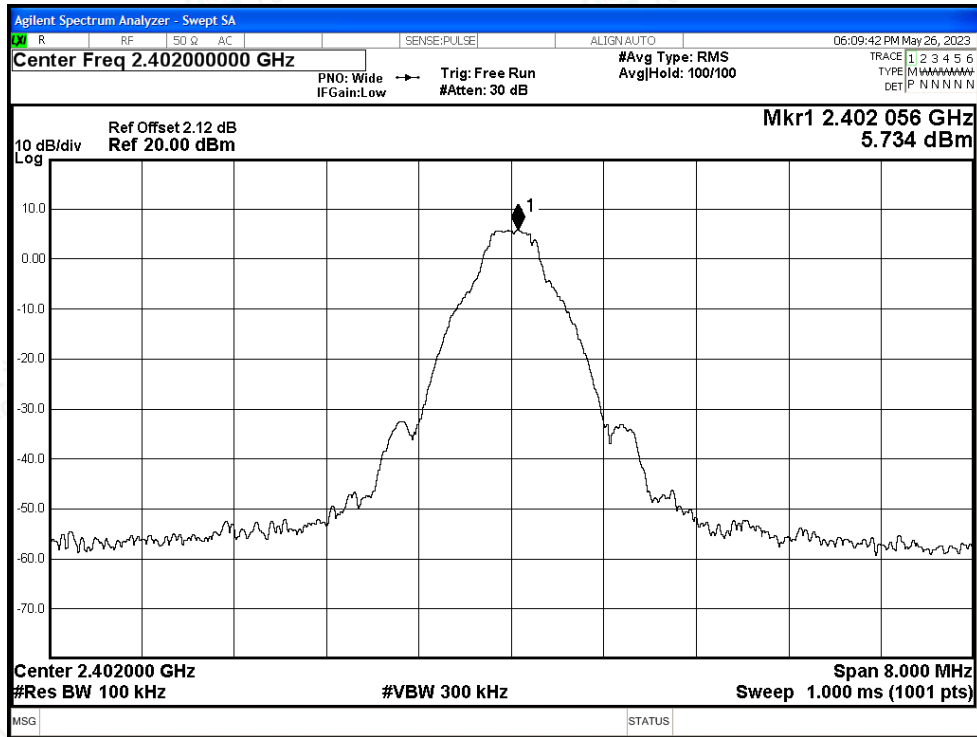
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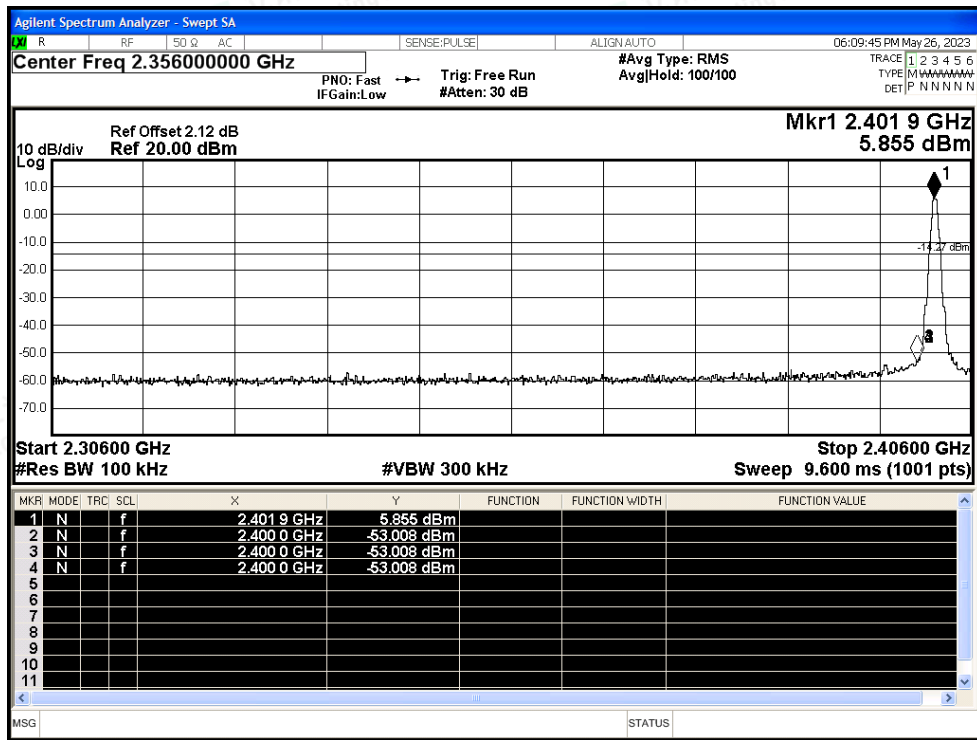


Test Graphs

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

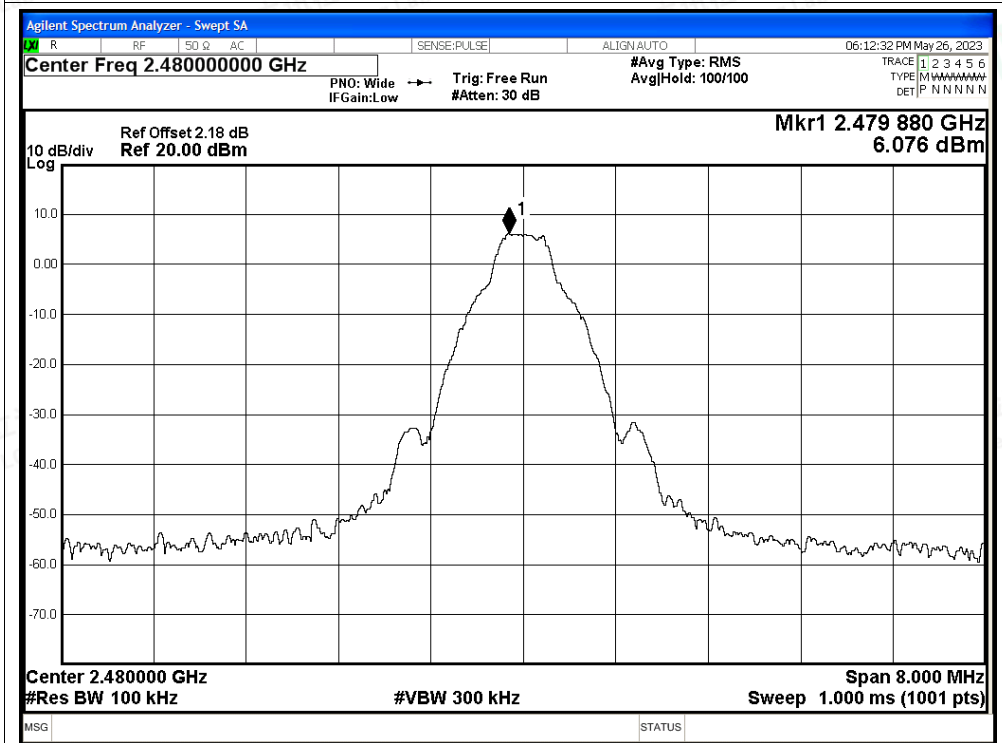


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

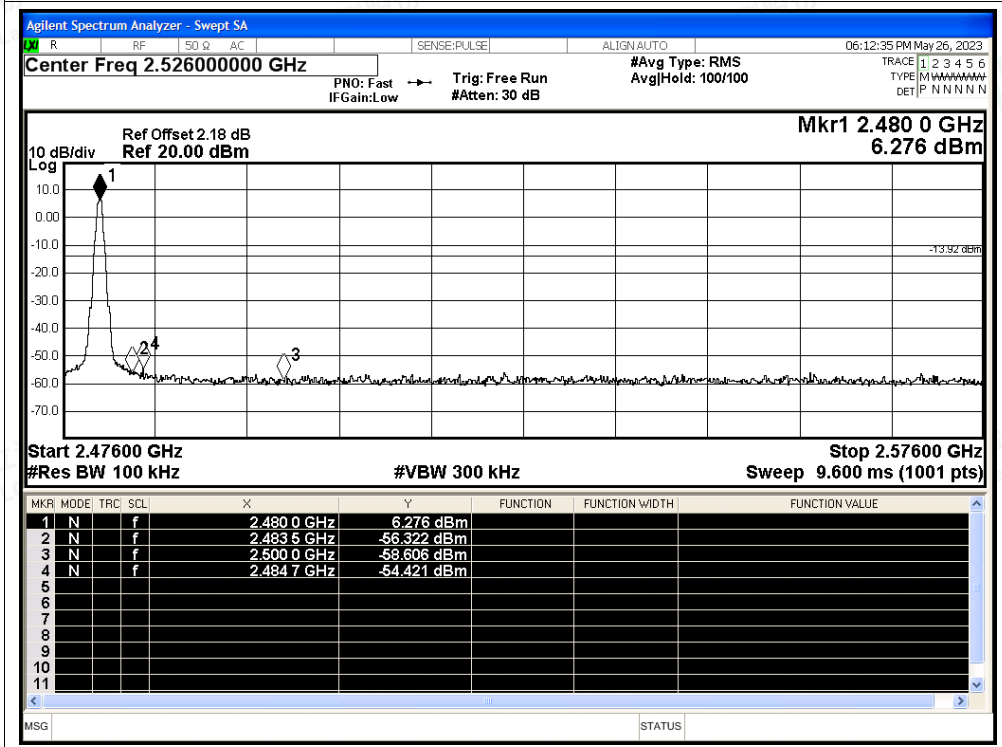




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

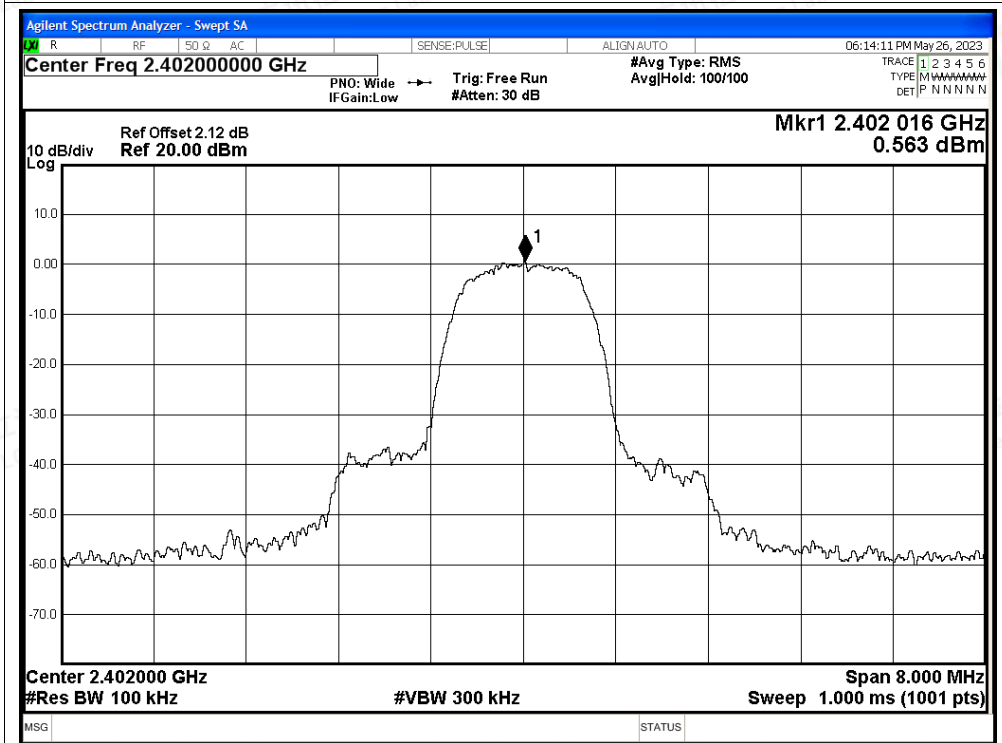


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

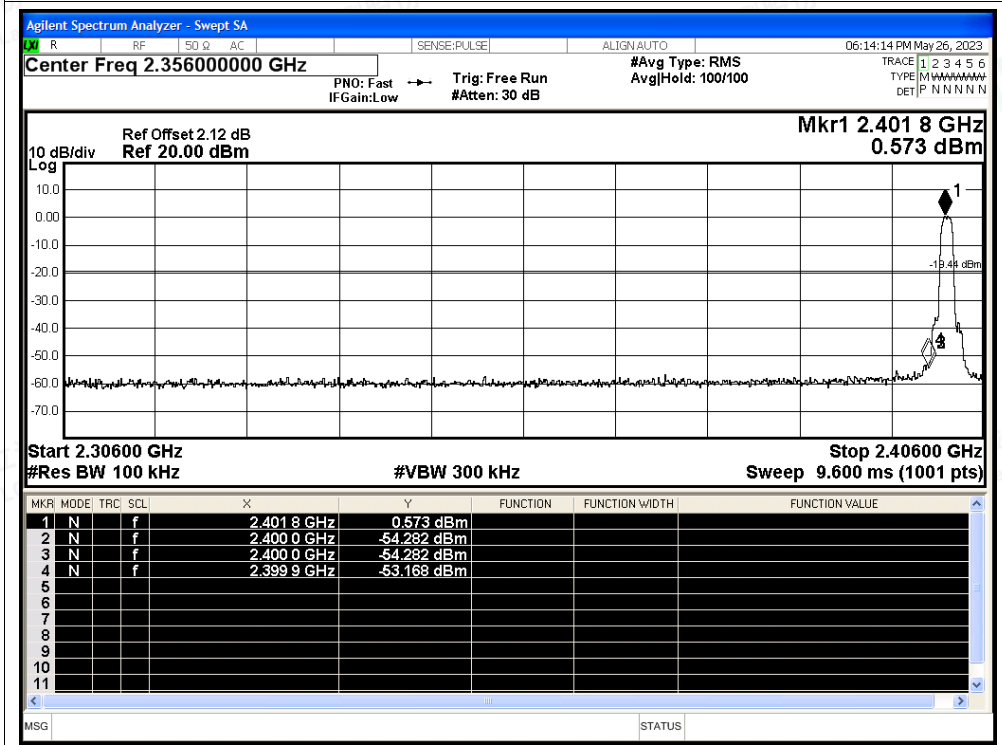




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

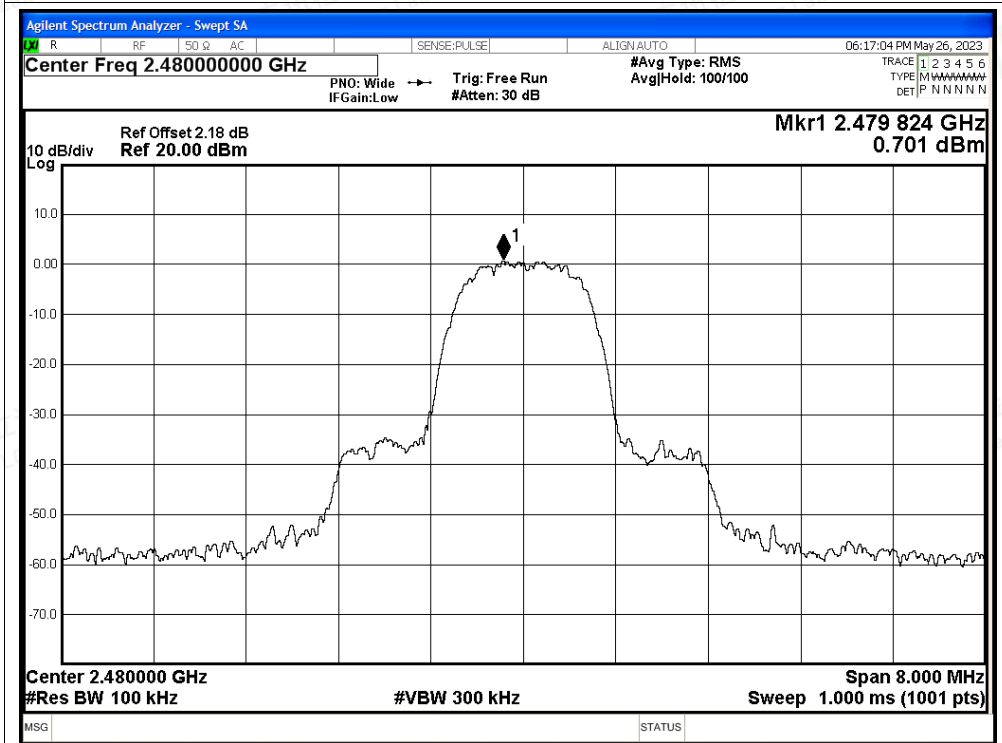


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

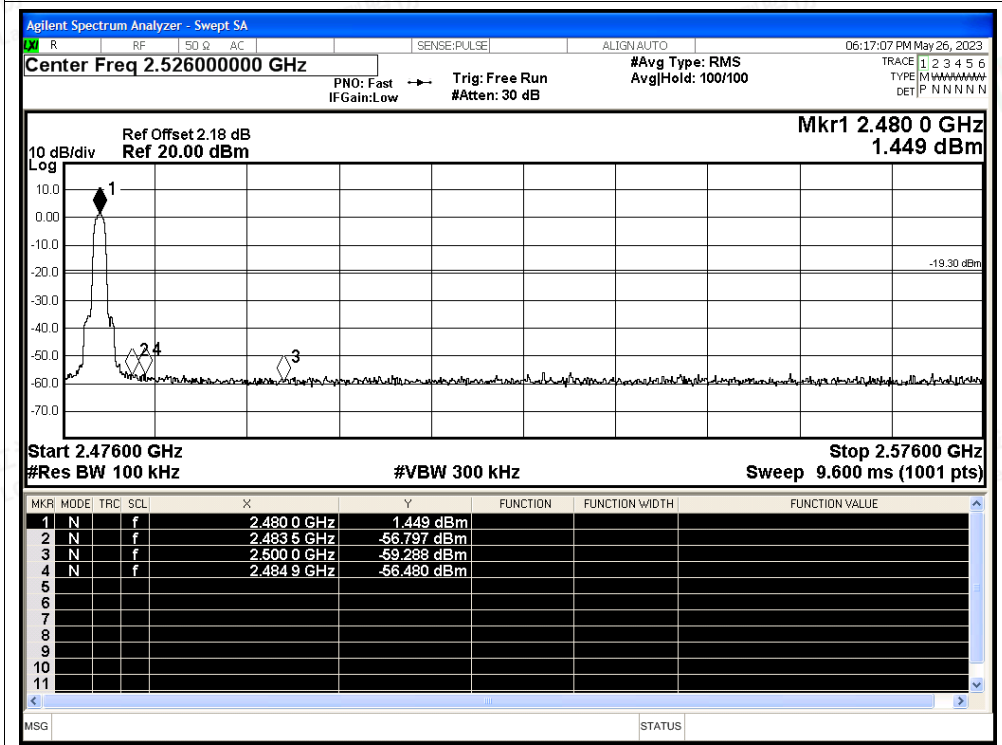




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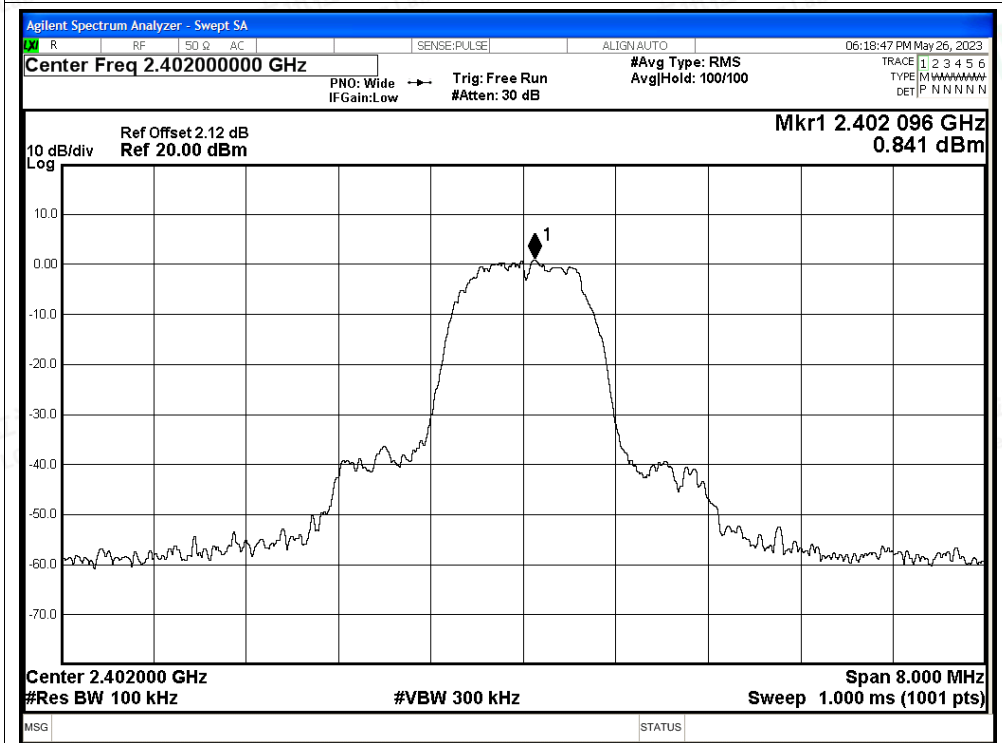


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

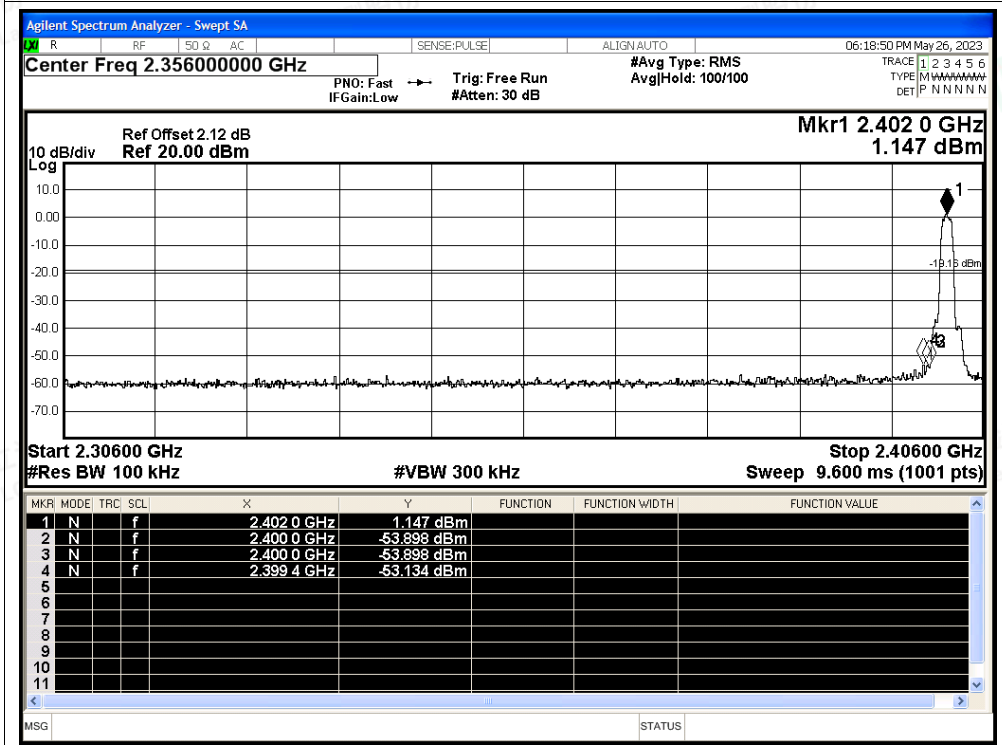




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

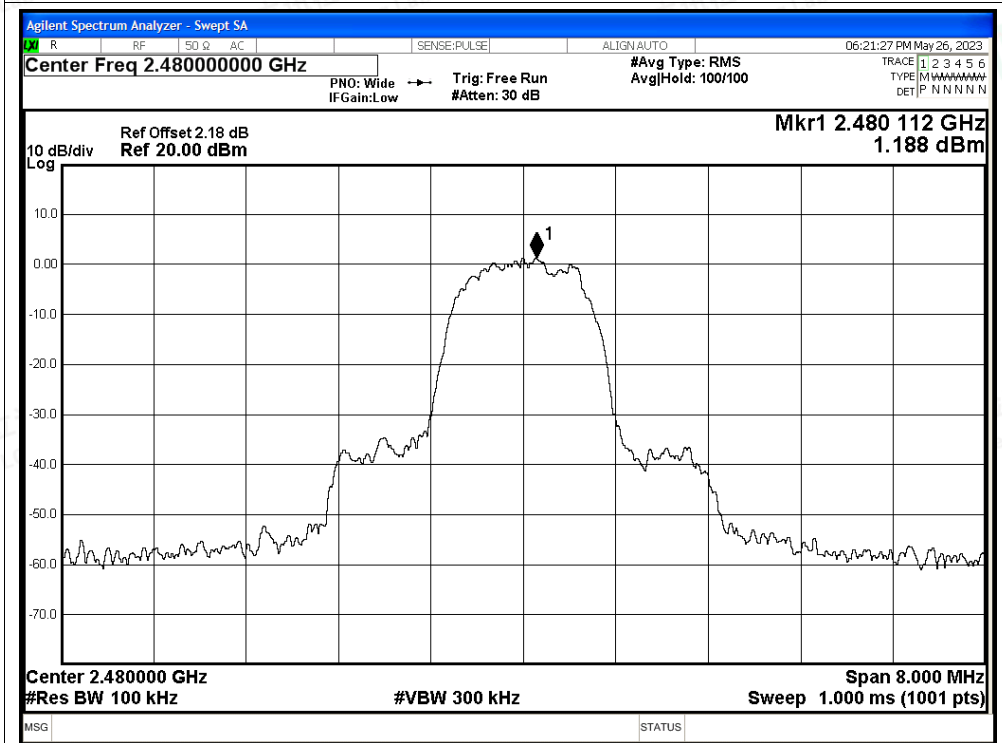


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

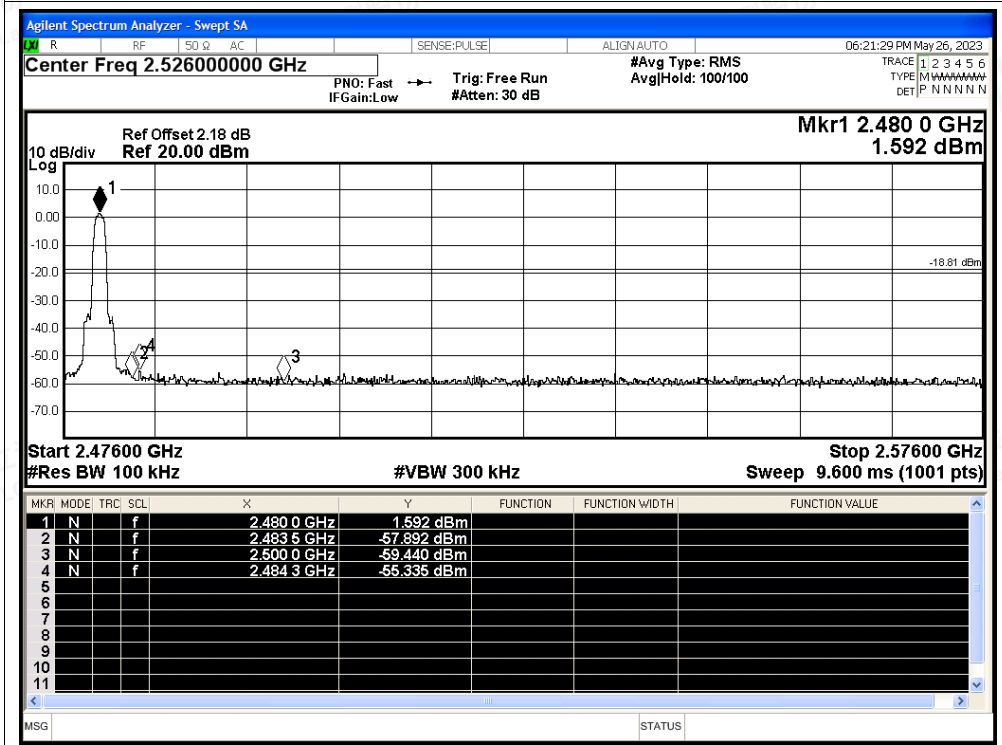




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-63.05	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-62	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-59.7	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.19	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-59.92	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.38	-20	Pass



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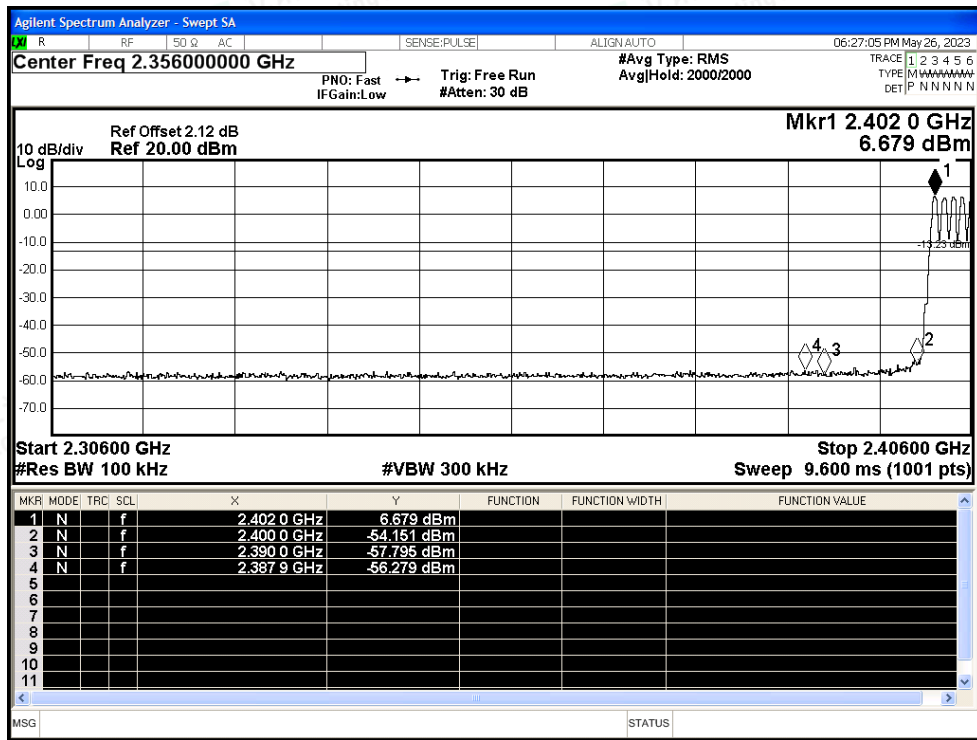


Test Graphs

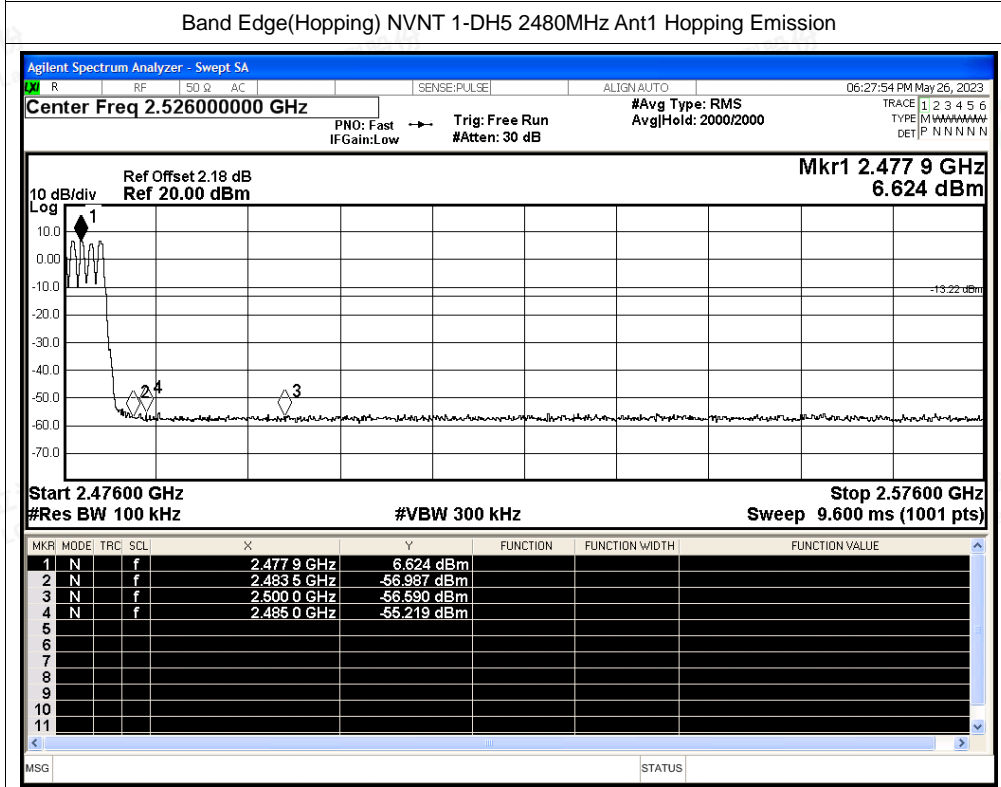
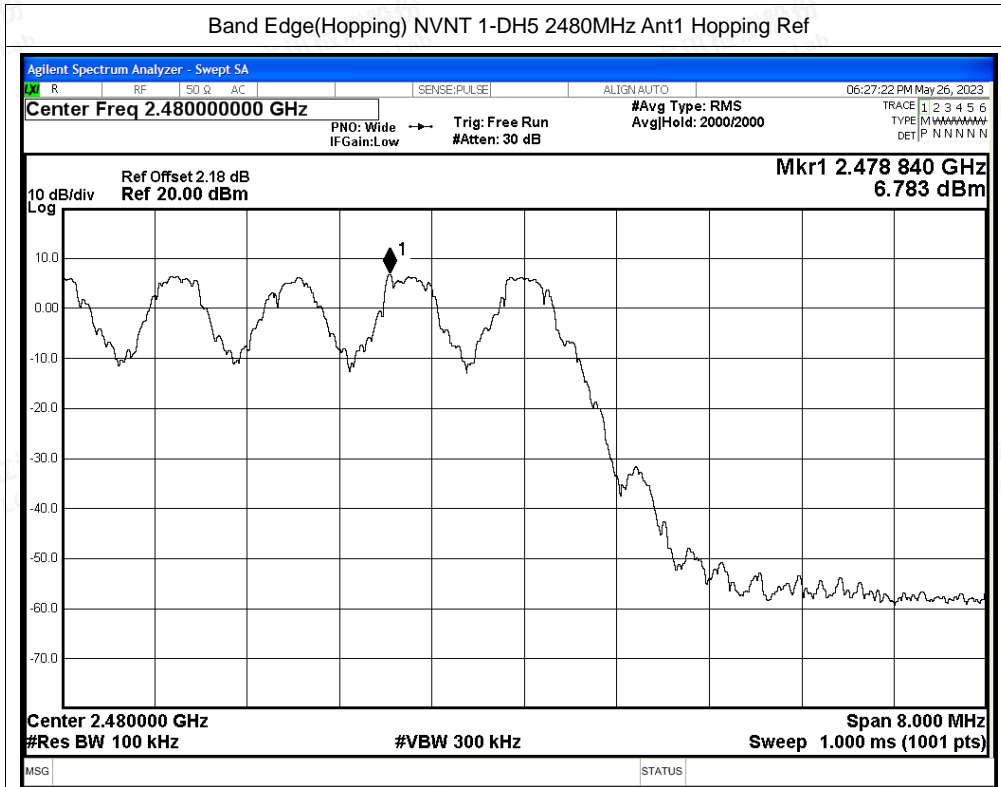
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

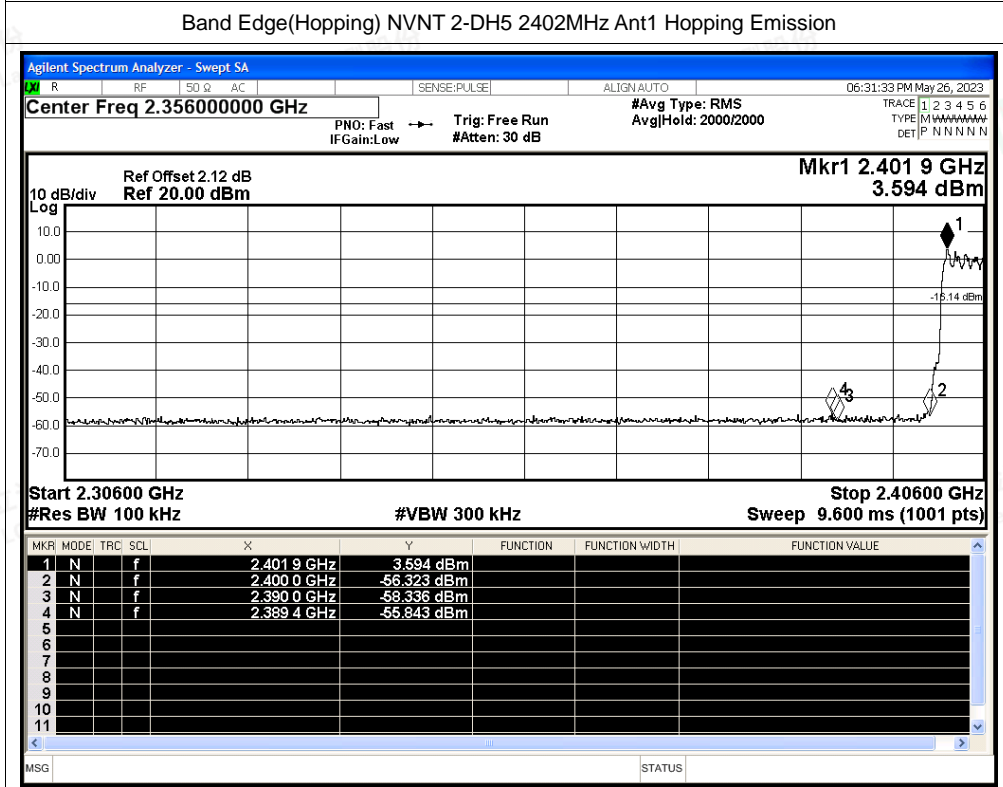
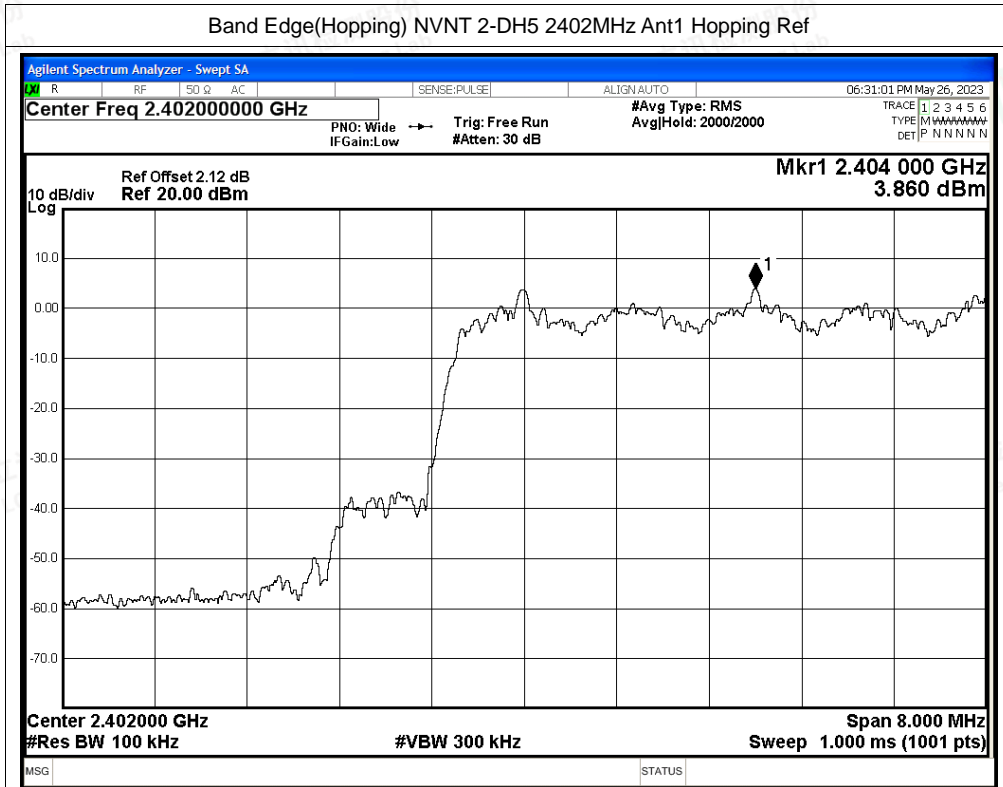


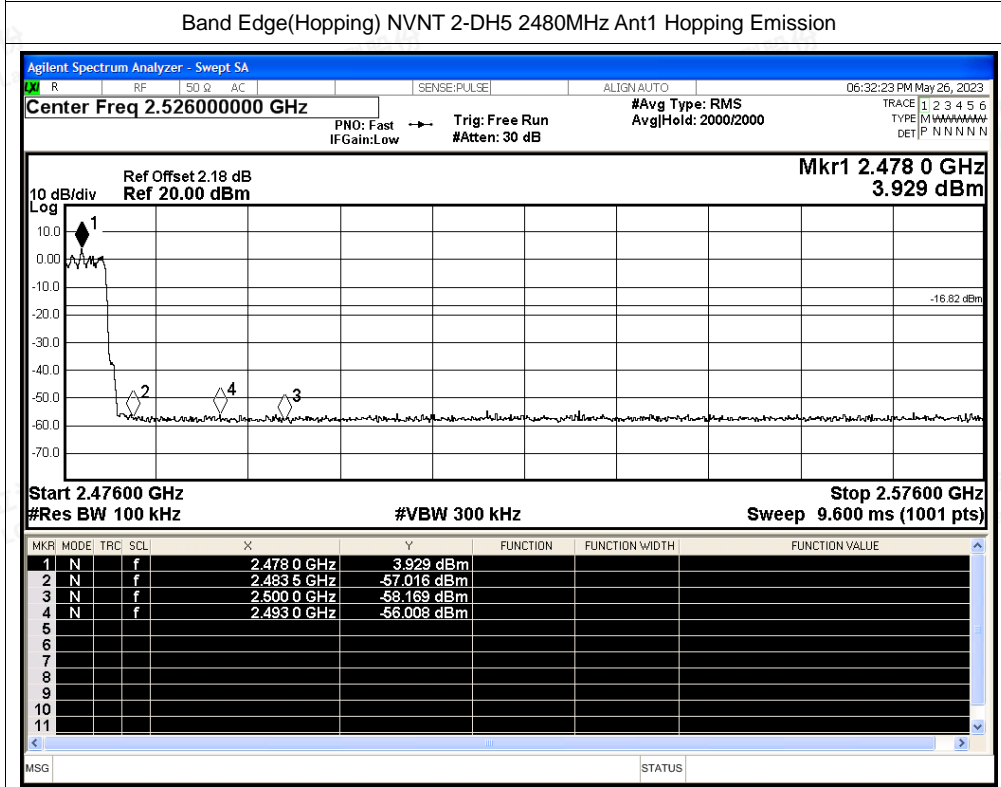
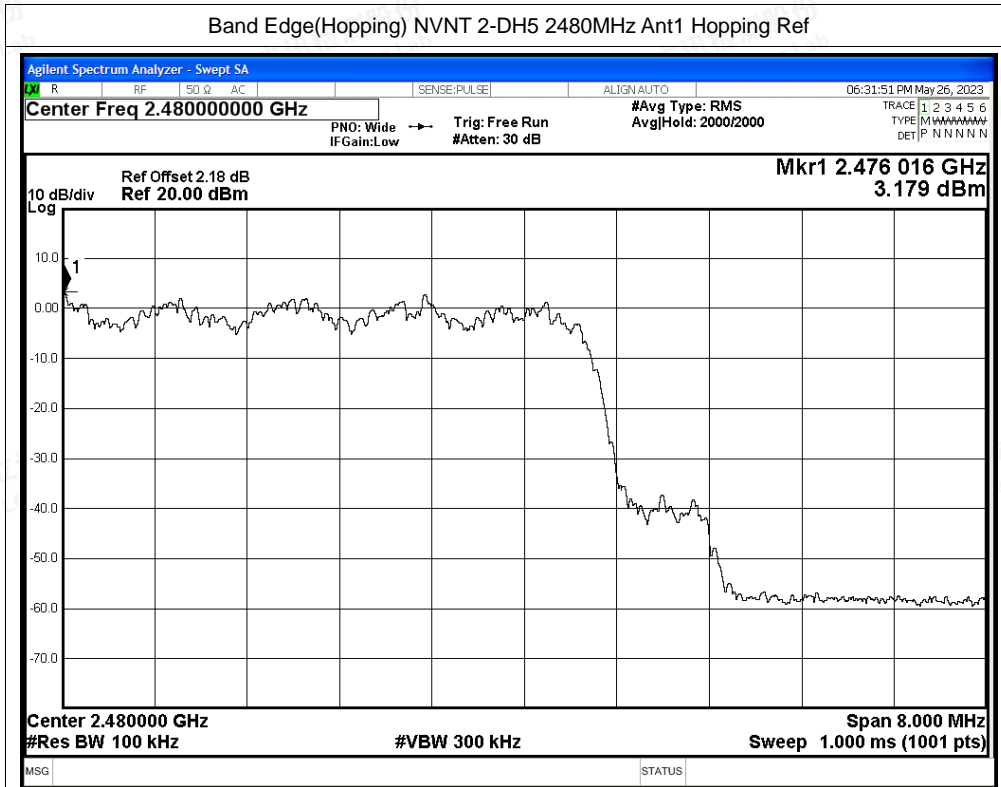
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

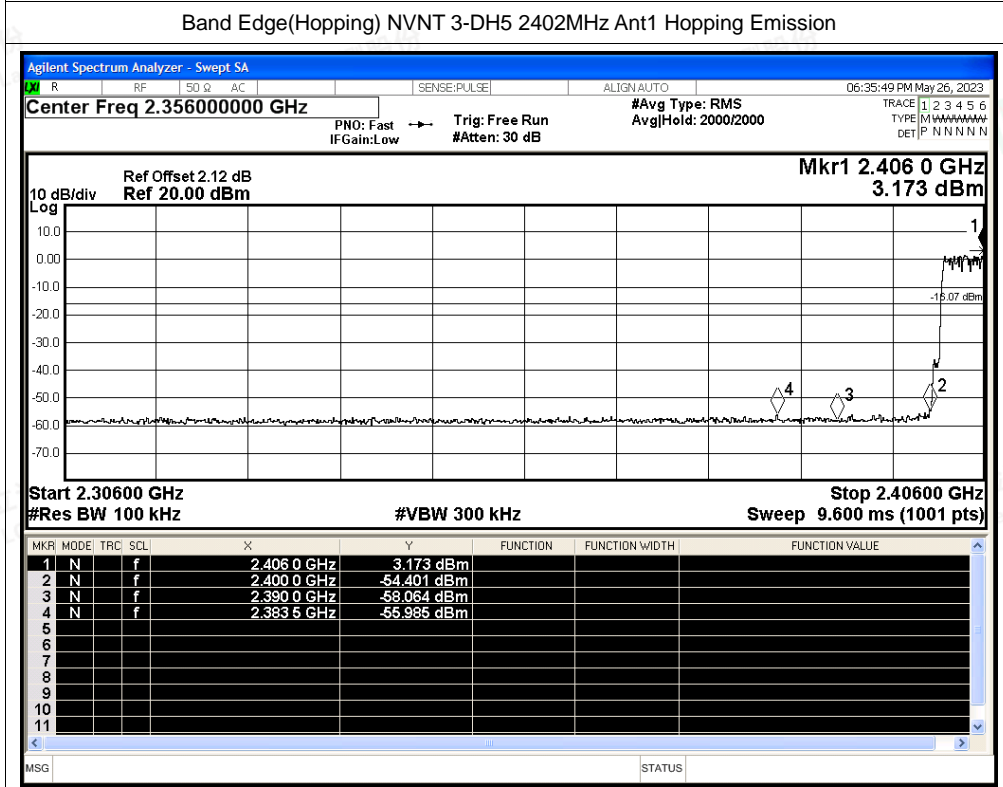
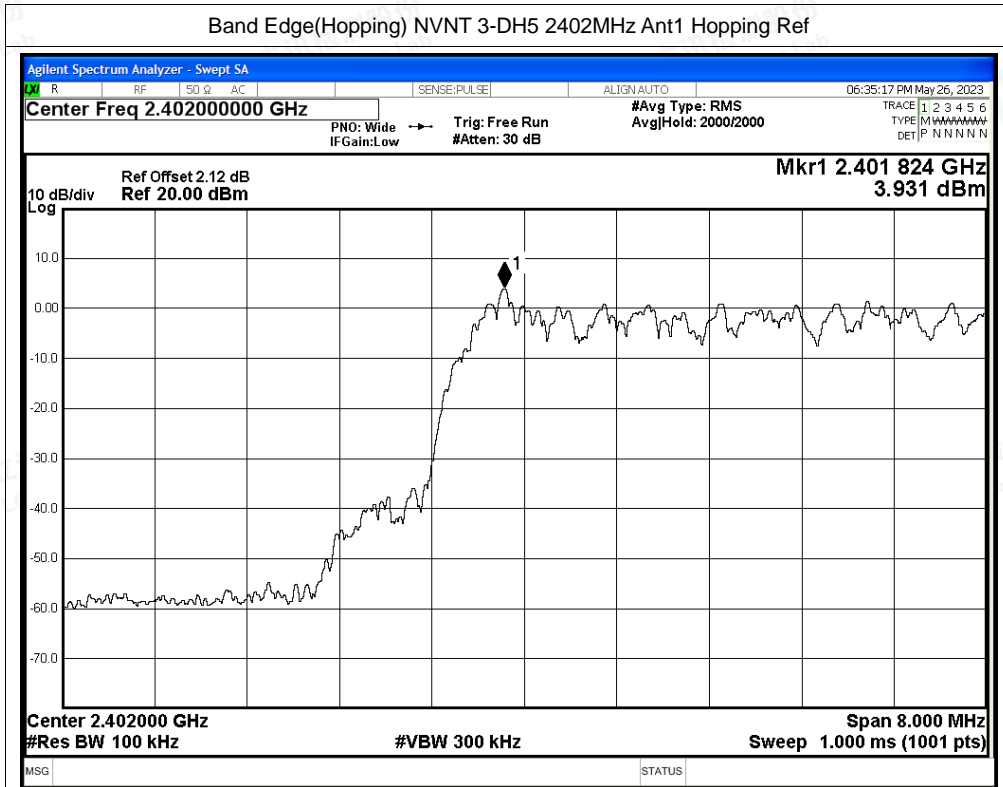


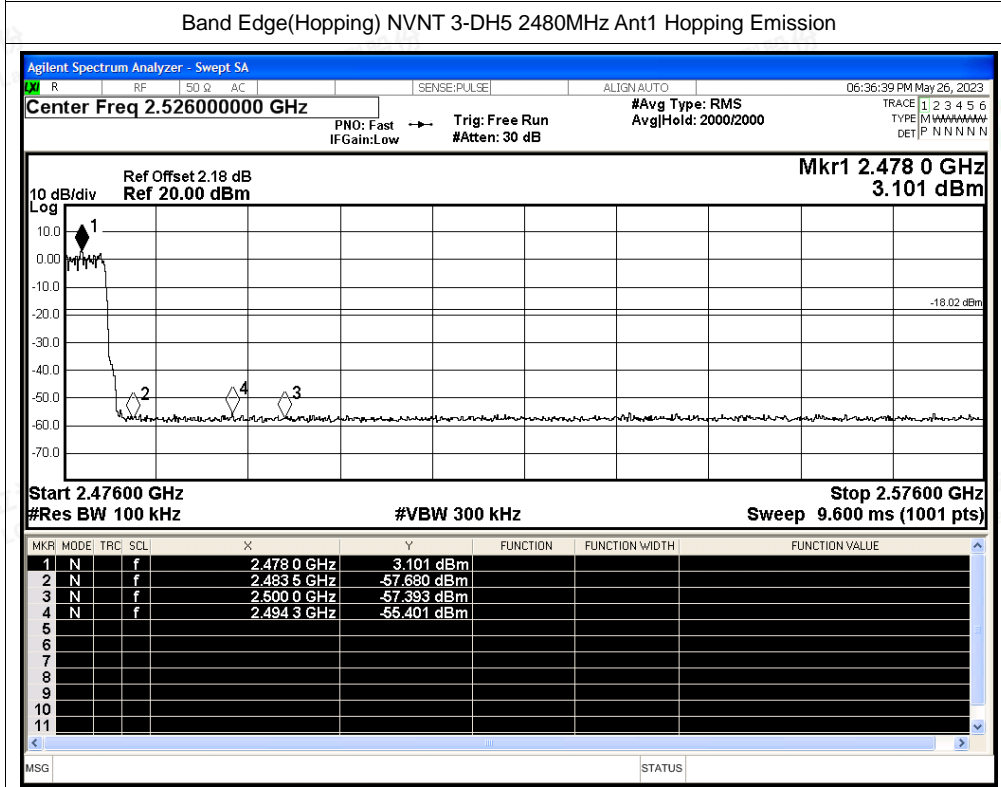
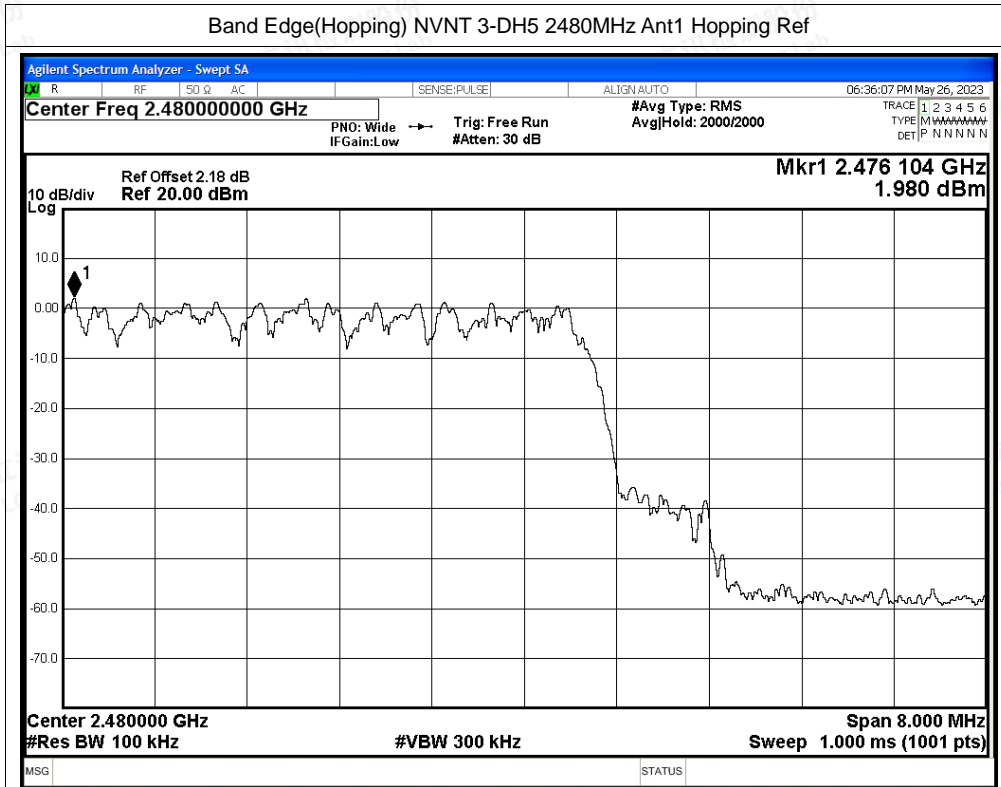














## A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-43.93	-20	Pass
NVNT	1-DH5	2441	Ant1	-48.04	-20	Pass
NVNT	1-DH5	2480	Ant1	-52.24	-20	Pass
NVNT	2-DH5	2402	Ant1	-44.44	-20	Pass
NVNT	2-DH5	2441	Ant1	-43.79	-20	Pass
NVNT	2-DH5	2480	Ant1	-50.04	-20	Pass
NVNT	3-DH5	2402	Ant1	-44.56	-20	Pass
NVNT	3-DH5	2441	Ant1	-48.18	-20	Pass
NVNT	3-DH5	2480	Ant1	-47.3	-20	Pass

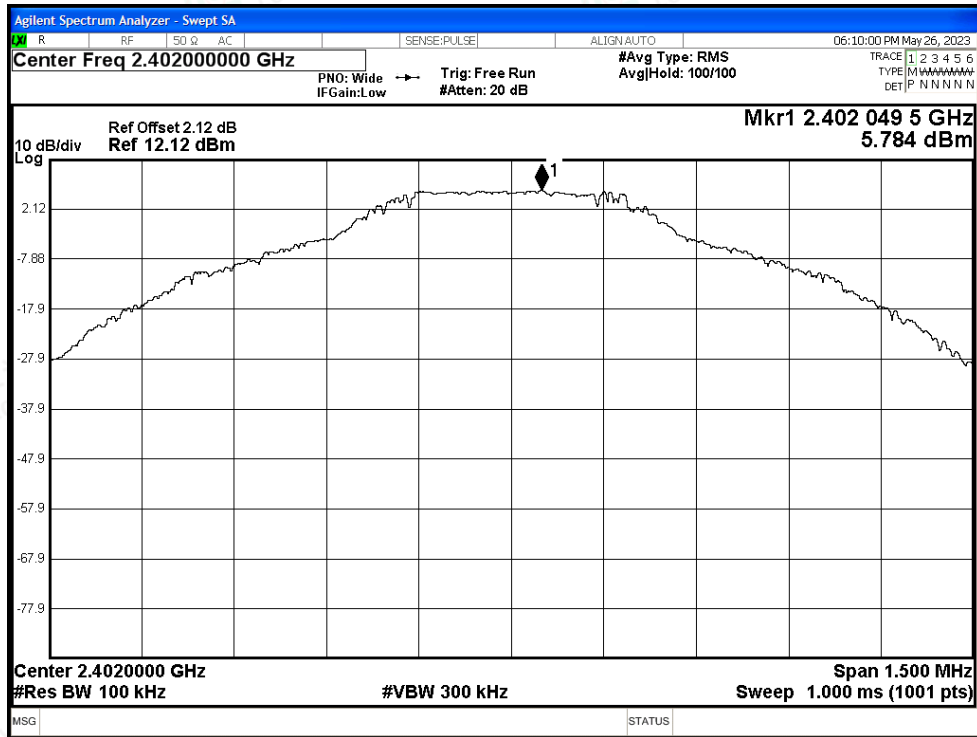


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Scan code to check authenticity

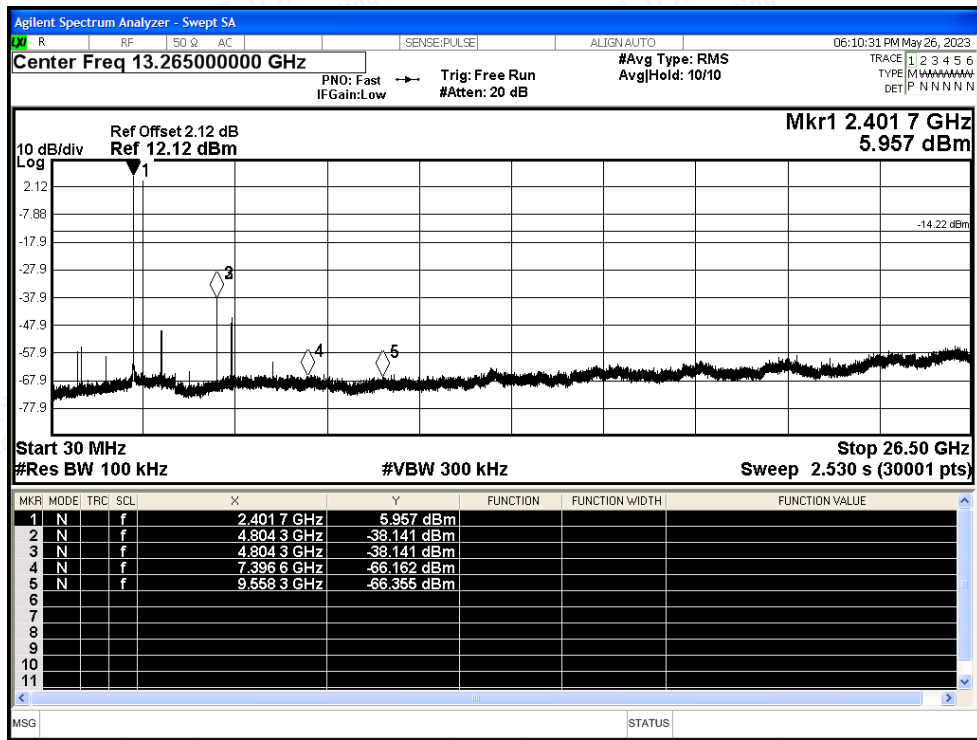


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

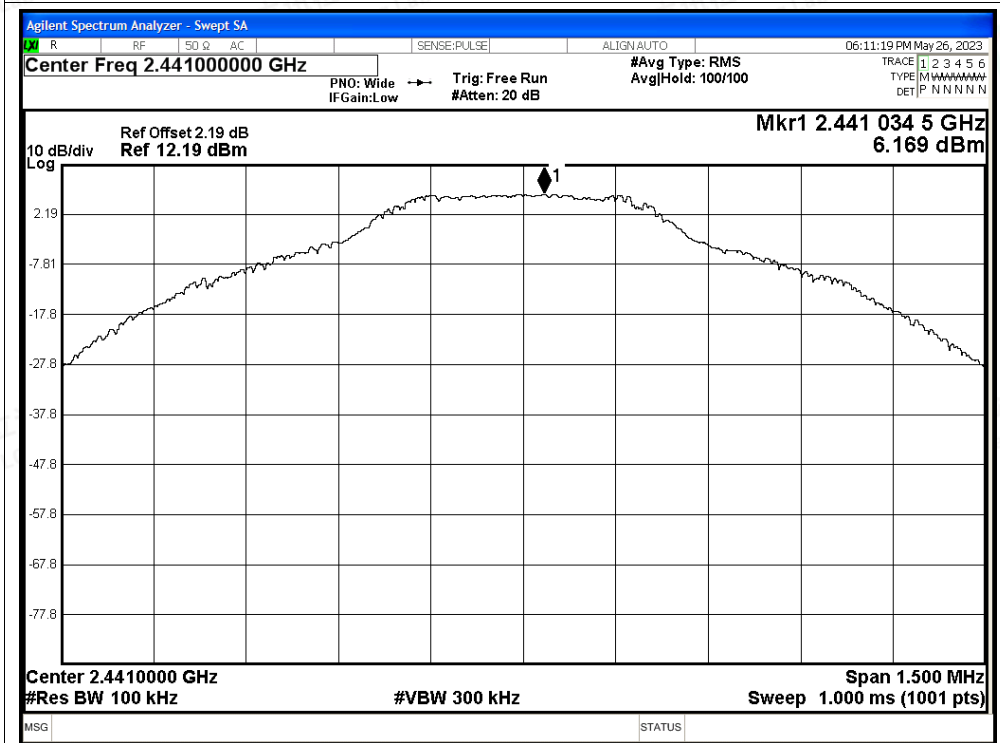


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

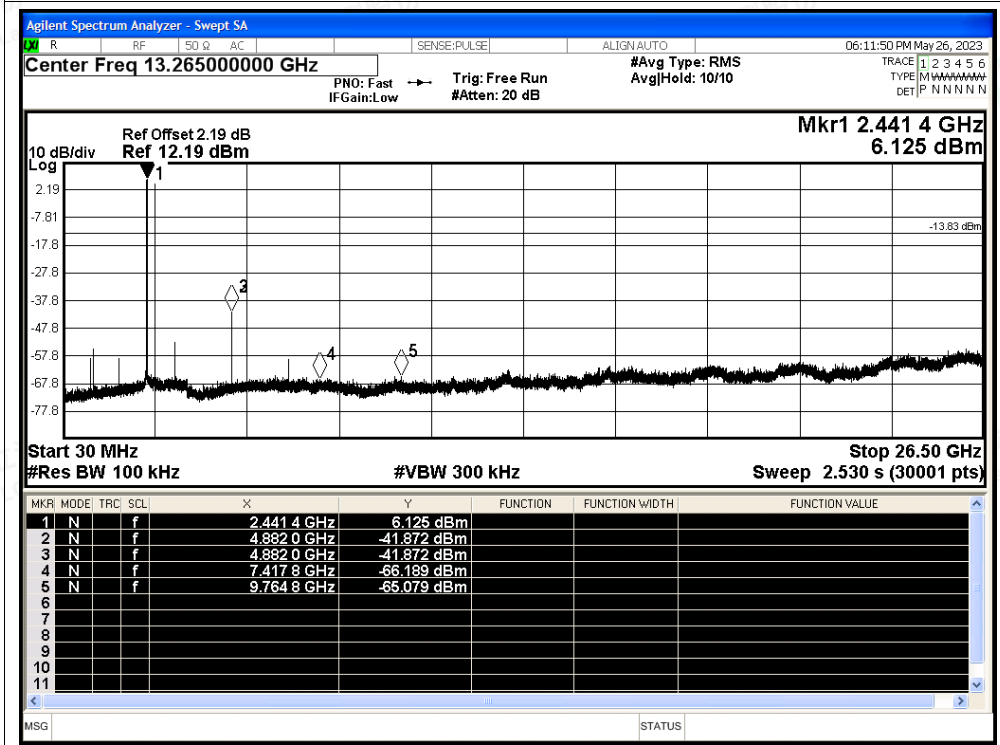




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



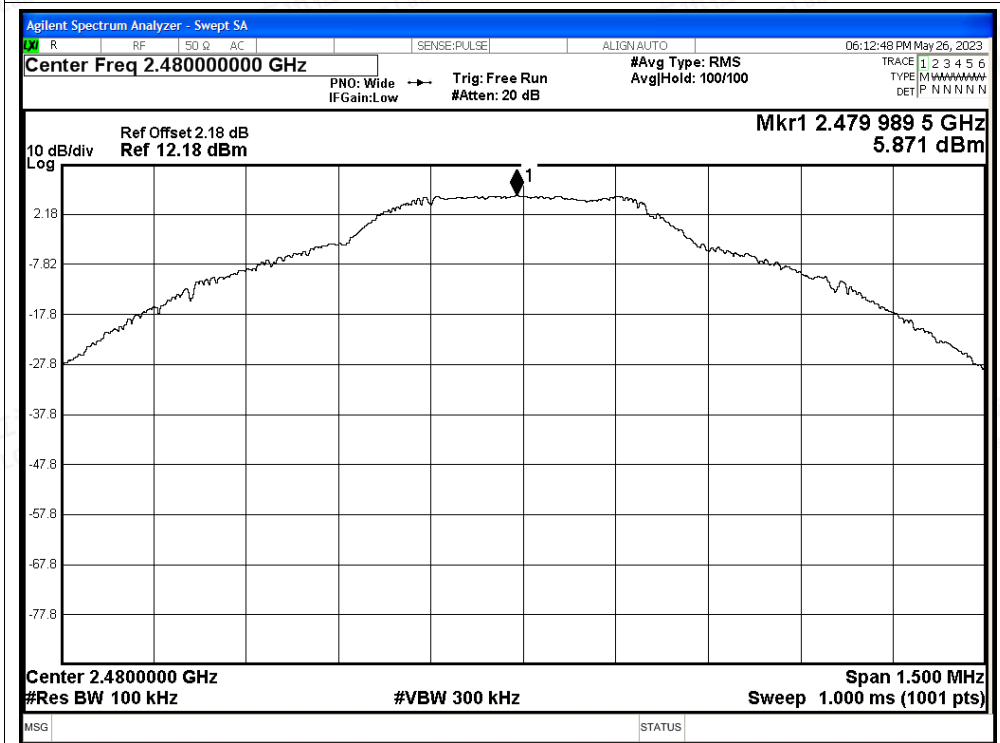
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



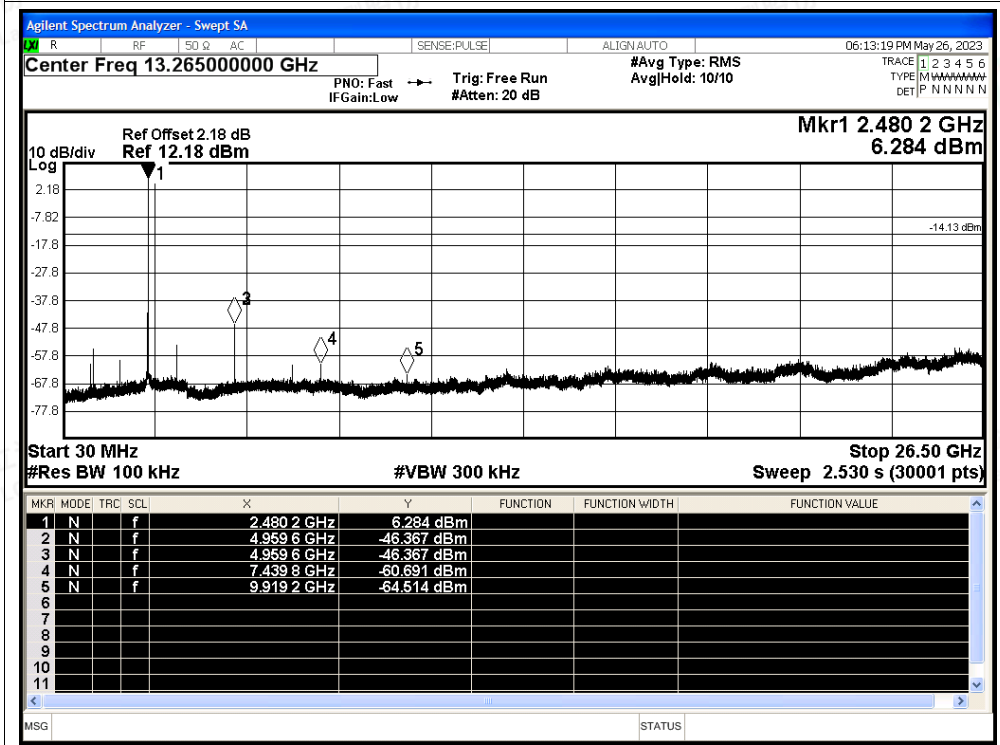




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

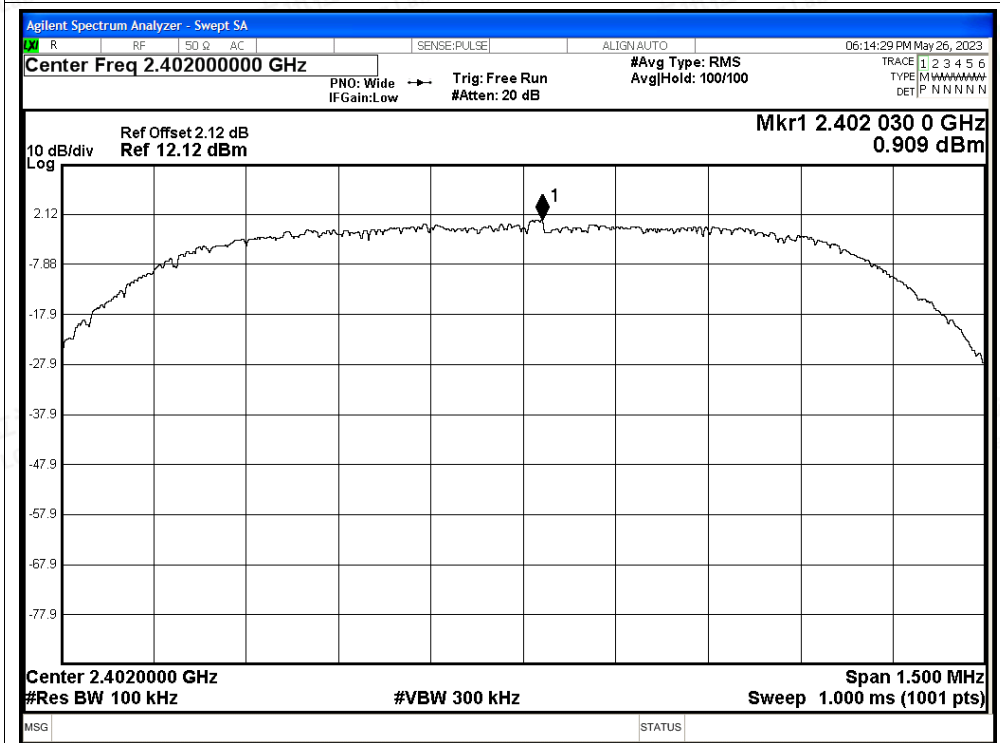


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

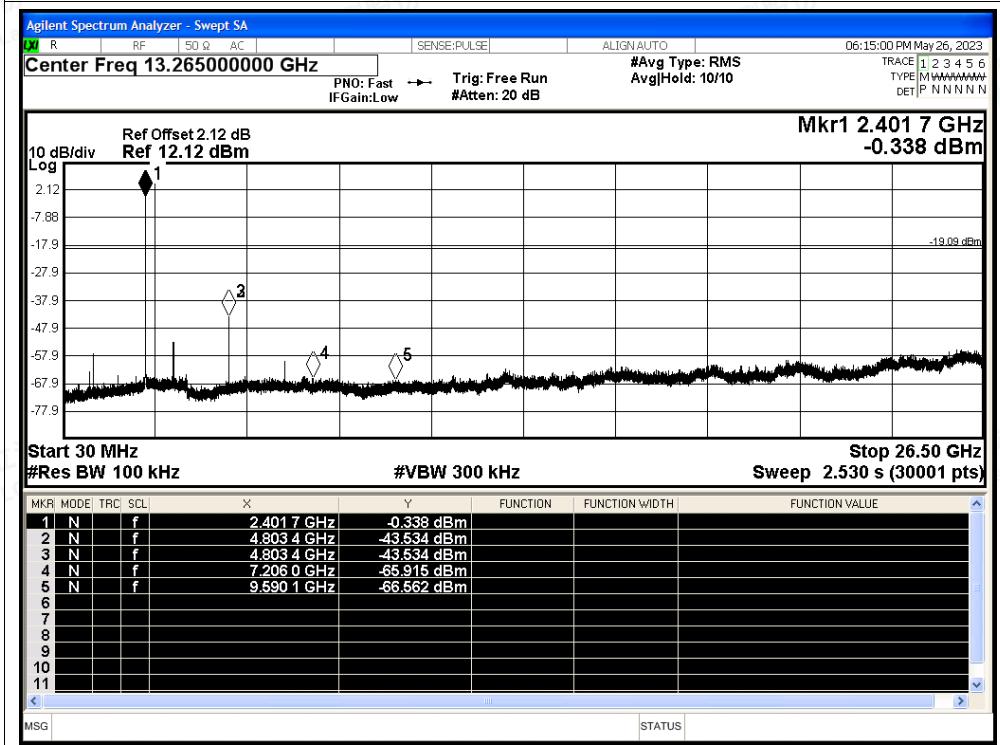




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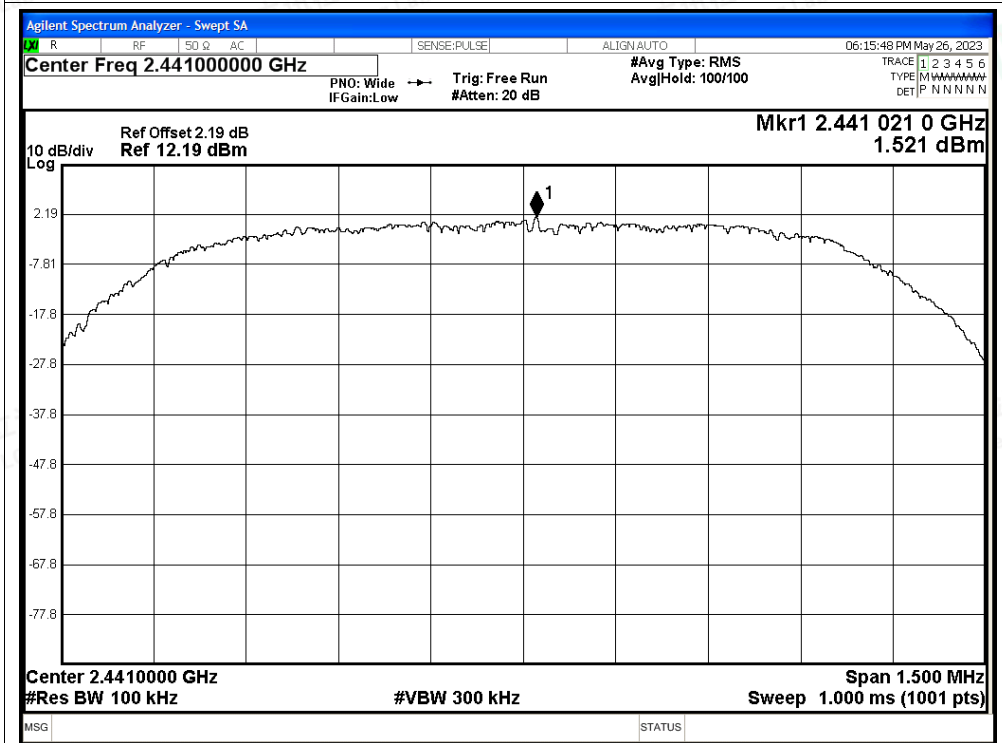


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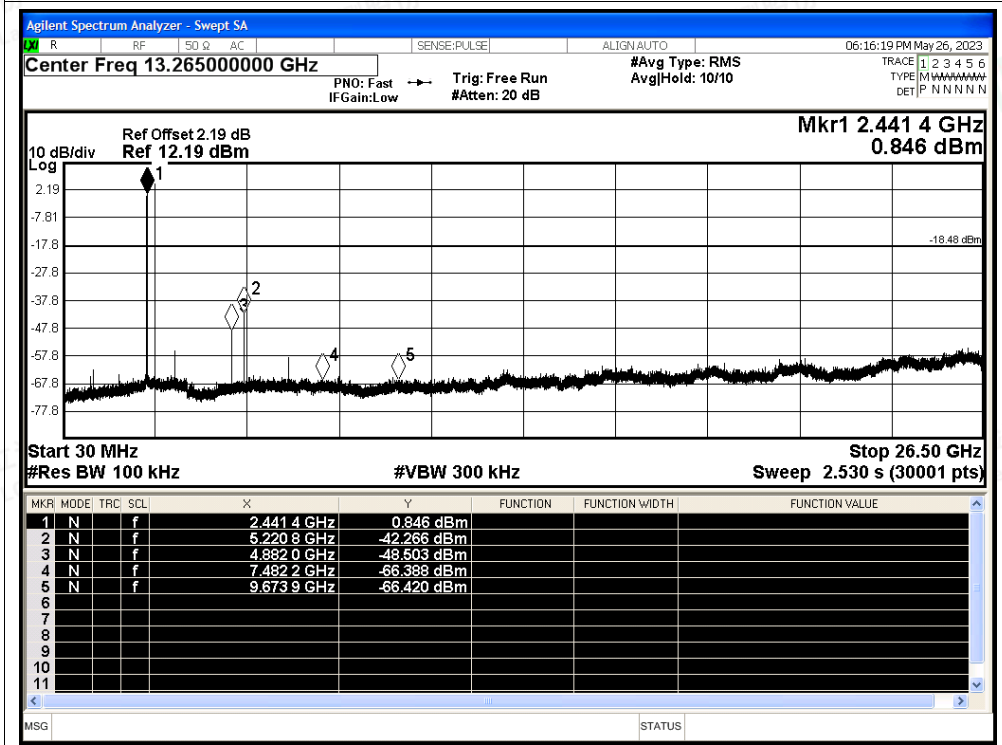




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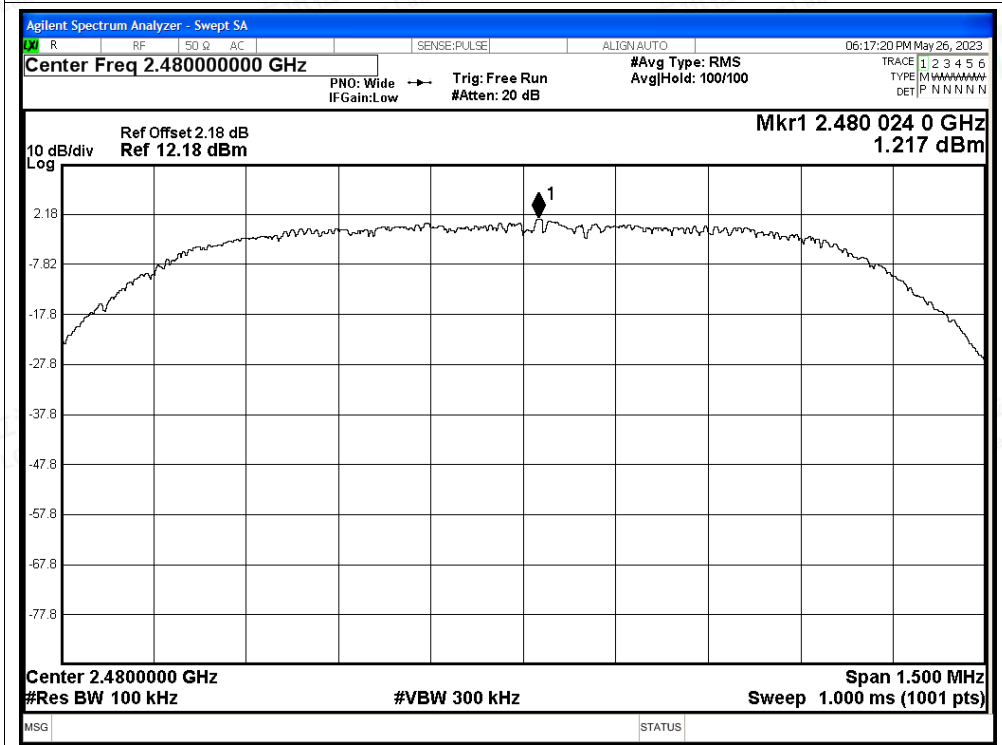


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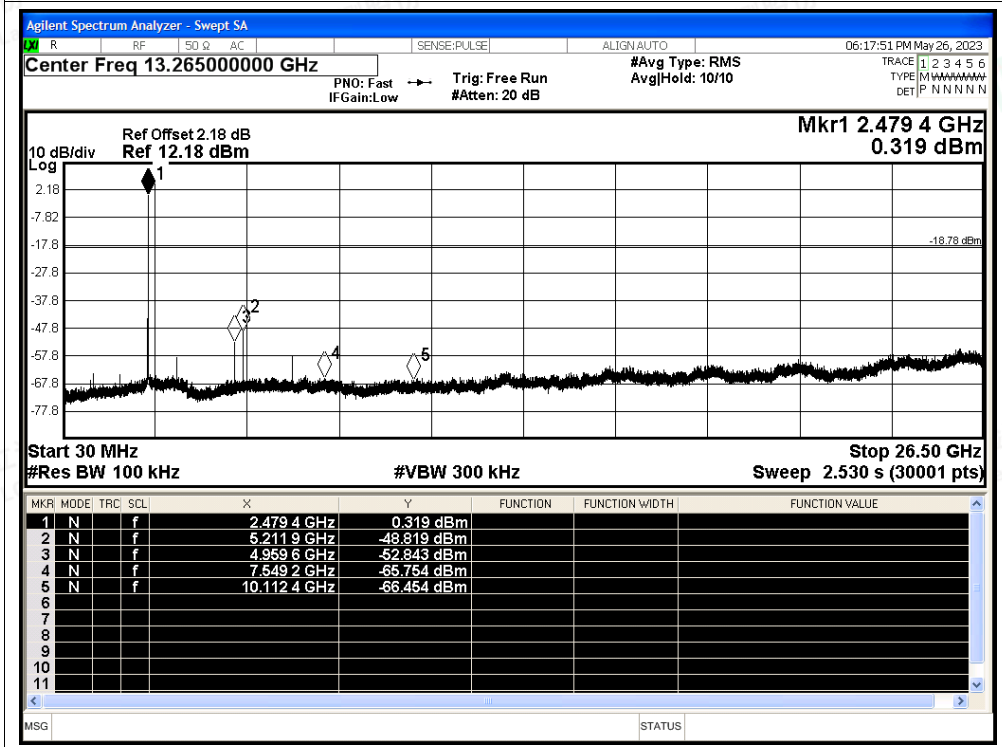




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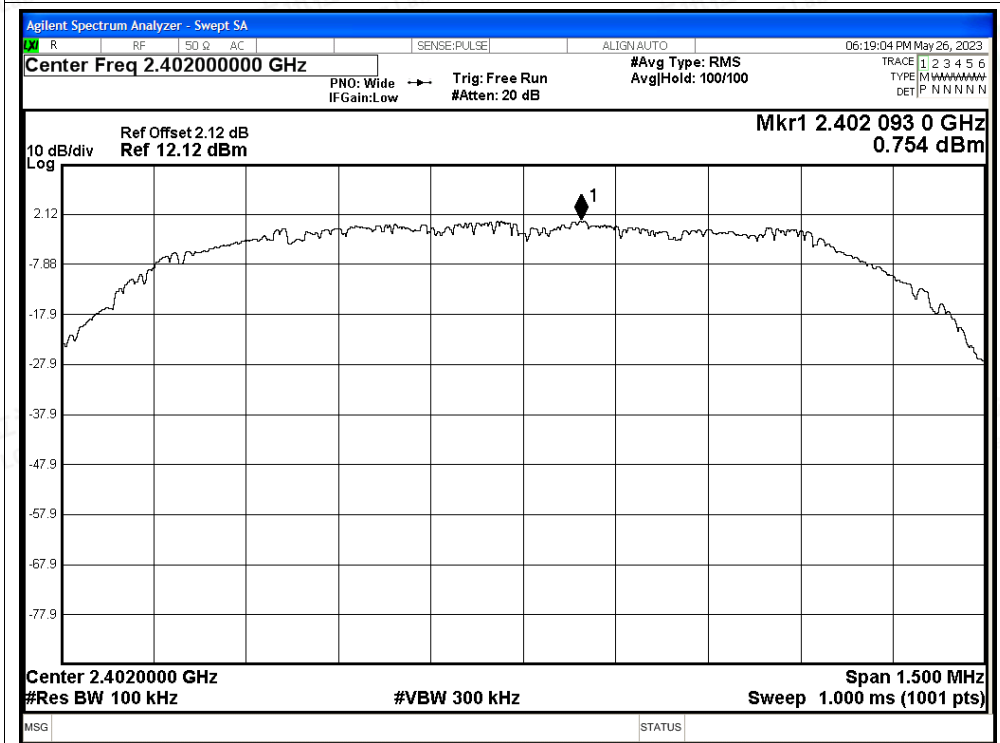


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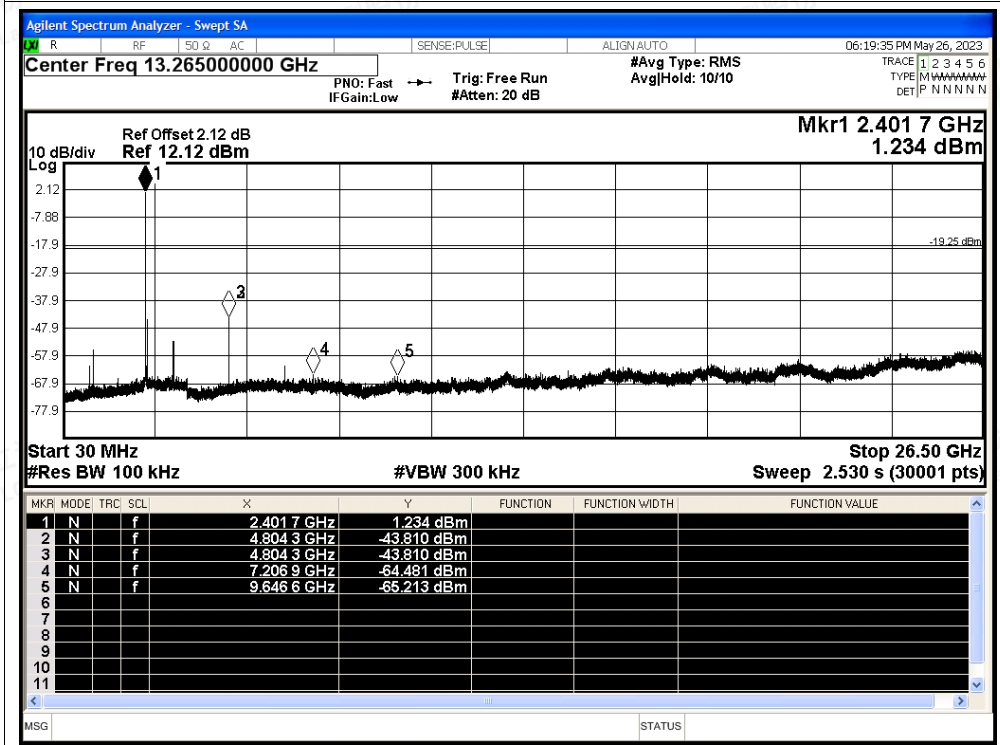




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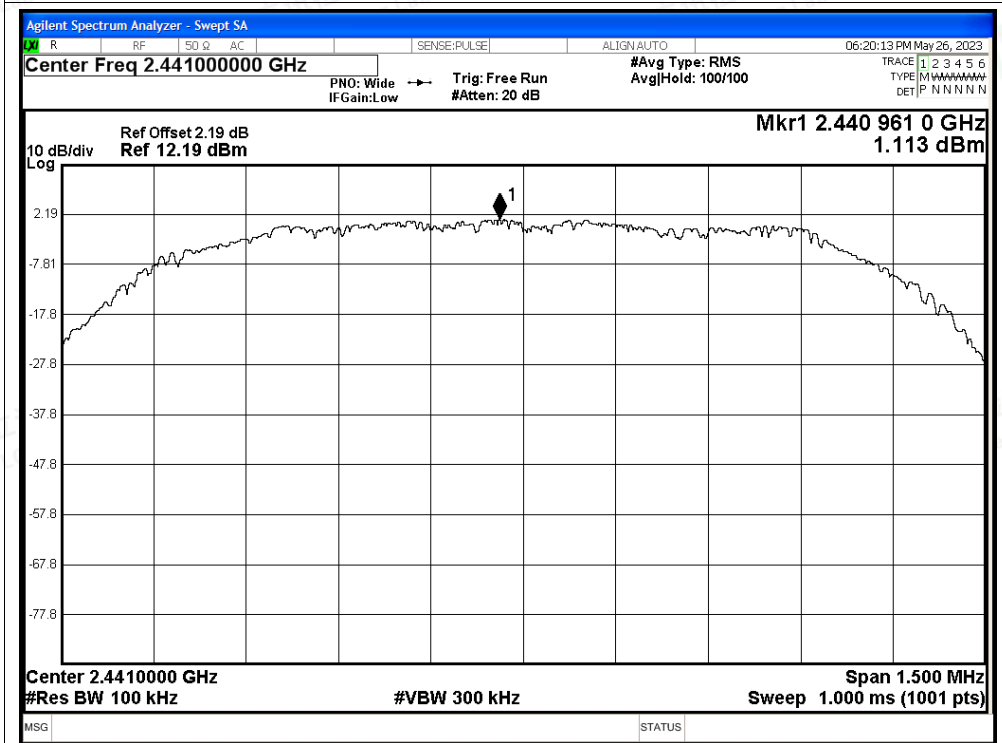


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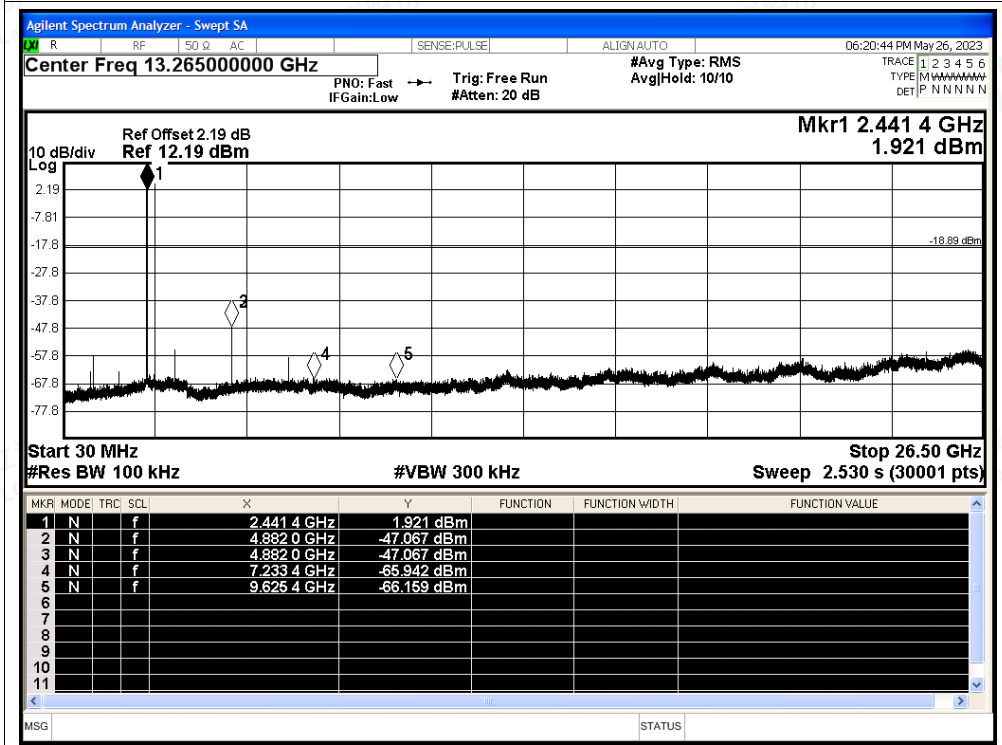




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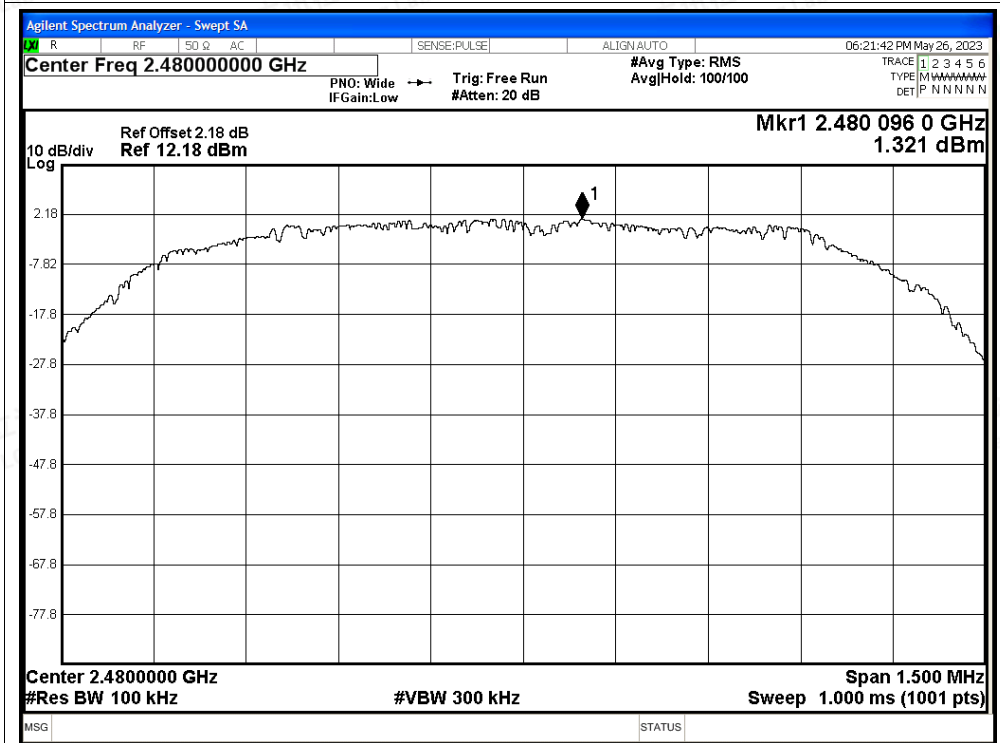


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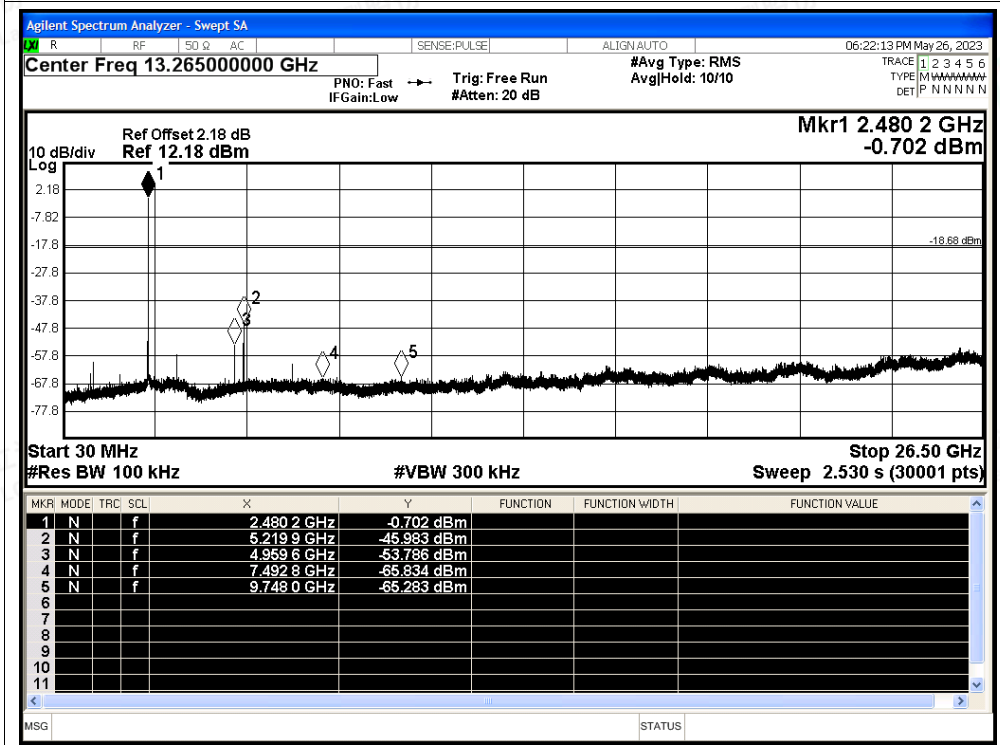




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



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	-50.16	2	47.1	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.88	2	39.38	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2379.696	-47.14	2	50.12	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.968	-56.06	2	41.2	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-48.47	2	48.79	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-56.06	2	41.2	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-46.23	2	51.03	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.71	2	46.55	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.04	-43.48	2	53.78	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-50.71	2	46.55	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.73	2	48.53	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-56.68	2	40.58	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.47	2	46.79	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.88	2	39.38	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2369.52	-47.53	2	49.73	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.968	-56.62	2	40.64	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-47.96	2	49.3	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-56.62	2	40.64	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.8	2	48.46	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-51.65	2	45.61	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2497.768	-45.79	2	51.47	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-51.65	2	45.61	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.6	2	46.66	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-56.97	2	40.29	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.45	2	45.81	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-57.95	2	39.31	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2362.608	-47.57	2	49.69	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.392	-56.69	2	40.57	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.3	2	47.96	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-56.91	2	40.35	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-48.05	2	49.21	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-51.68	2	45.58	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2484.448	-46.14	2	51.12	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-51.68	2	45.58	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.57	2	47.69	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.05	2	40.21	Average	54	Pass



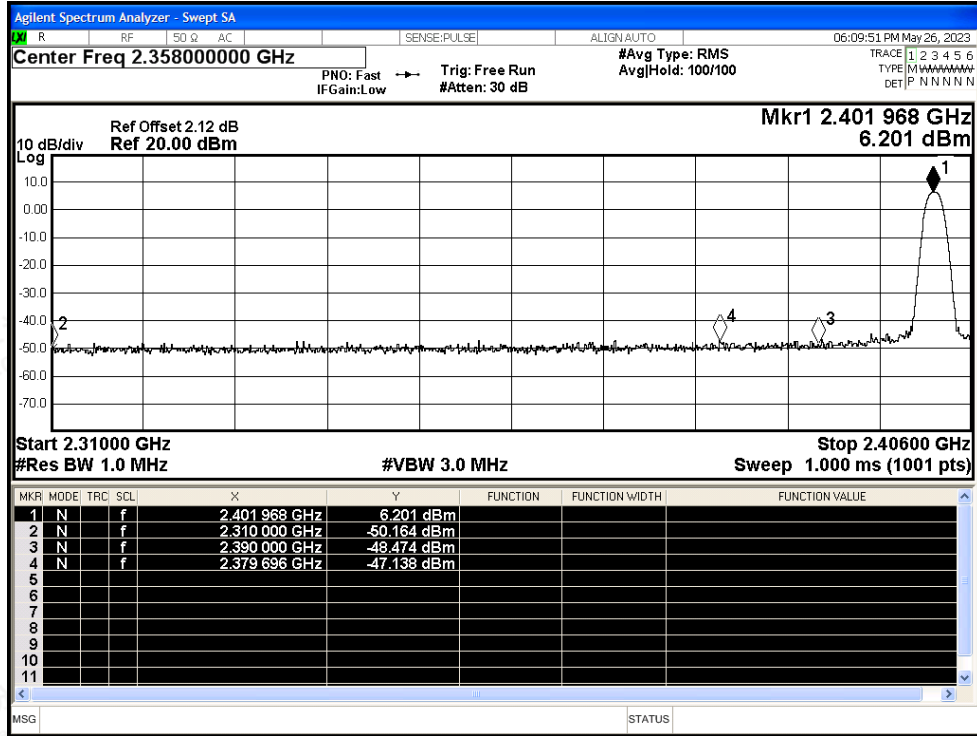
Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity



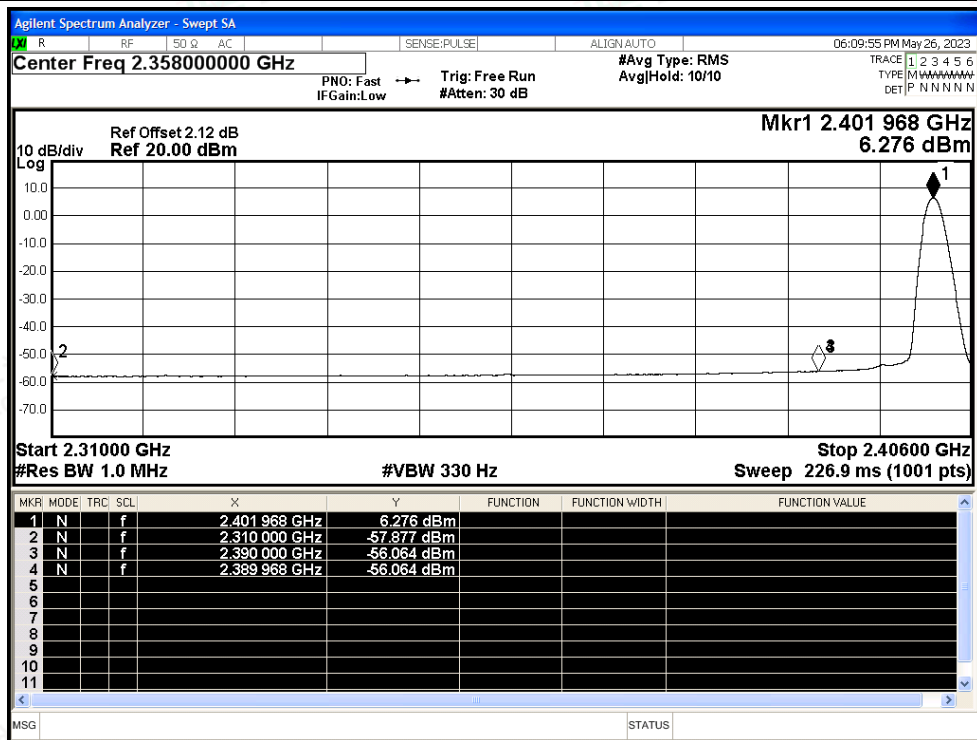


Test Graphs

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

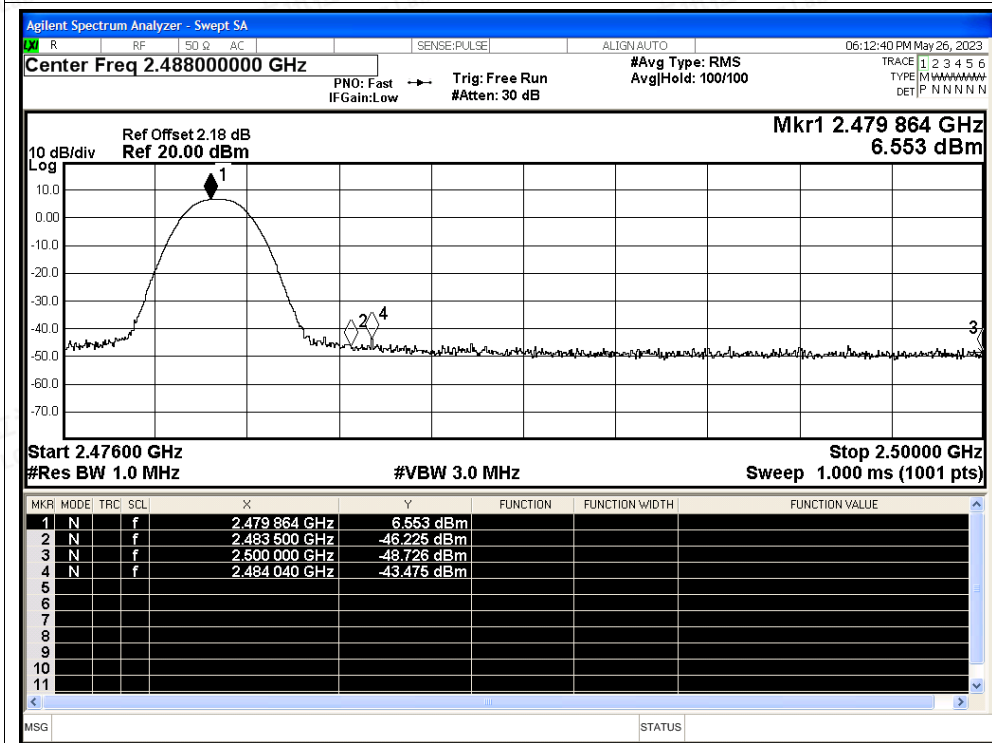


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

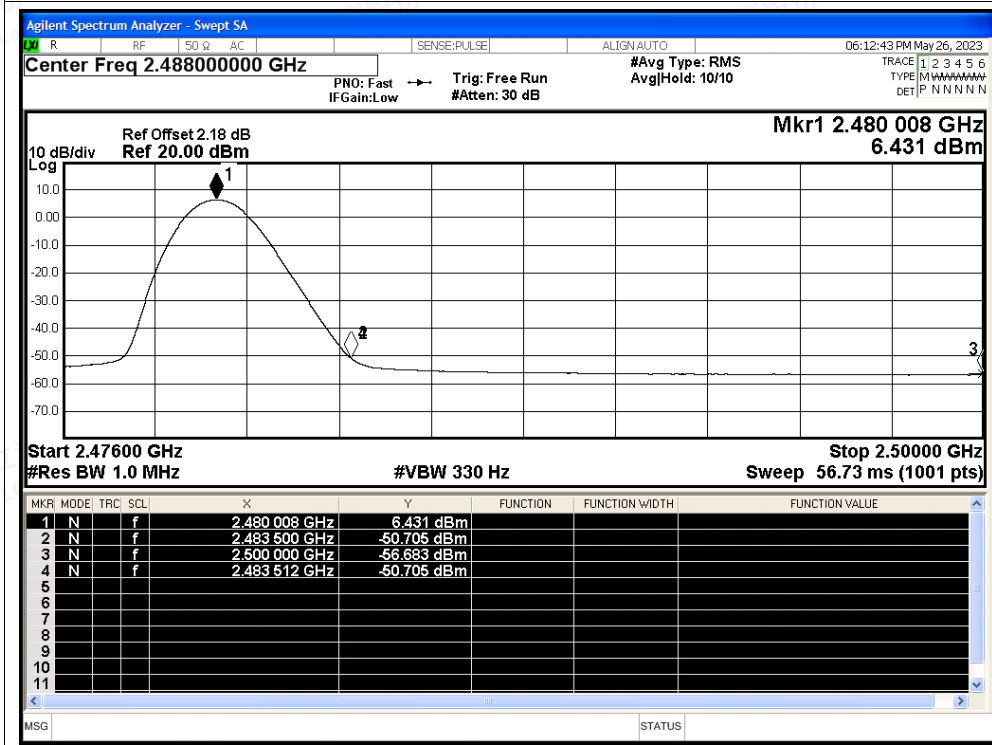




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

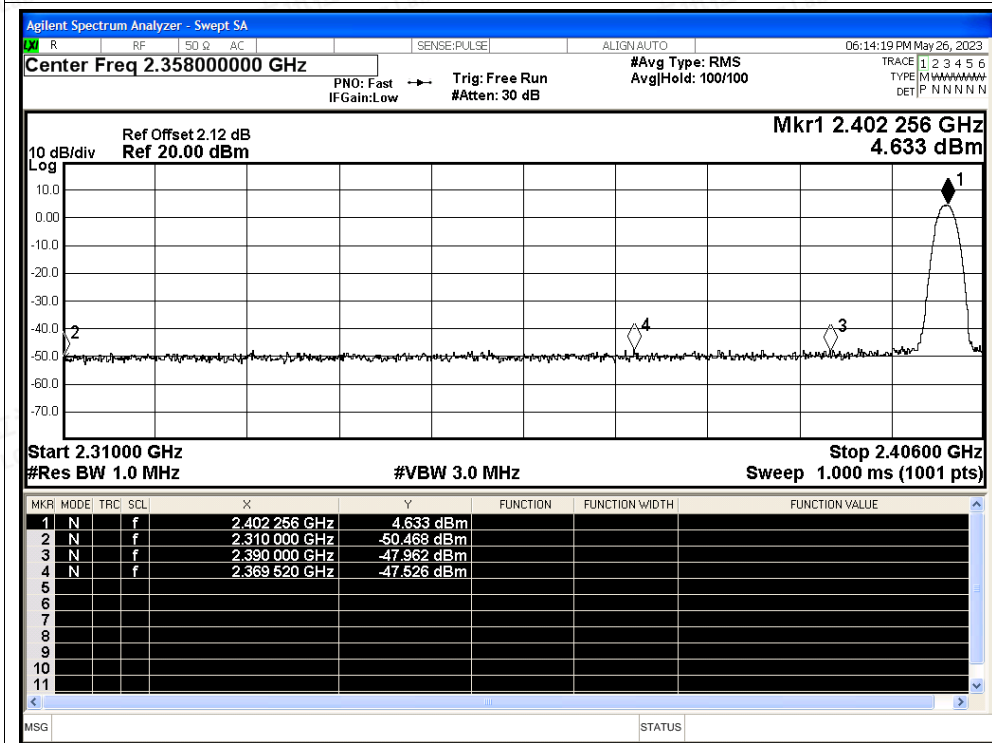


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

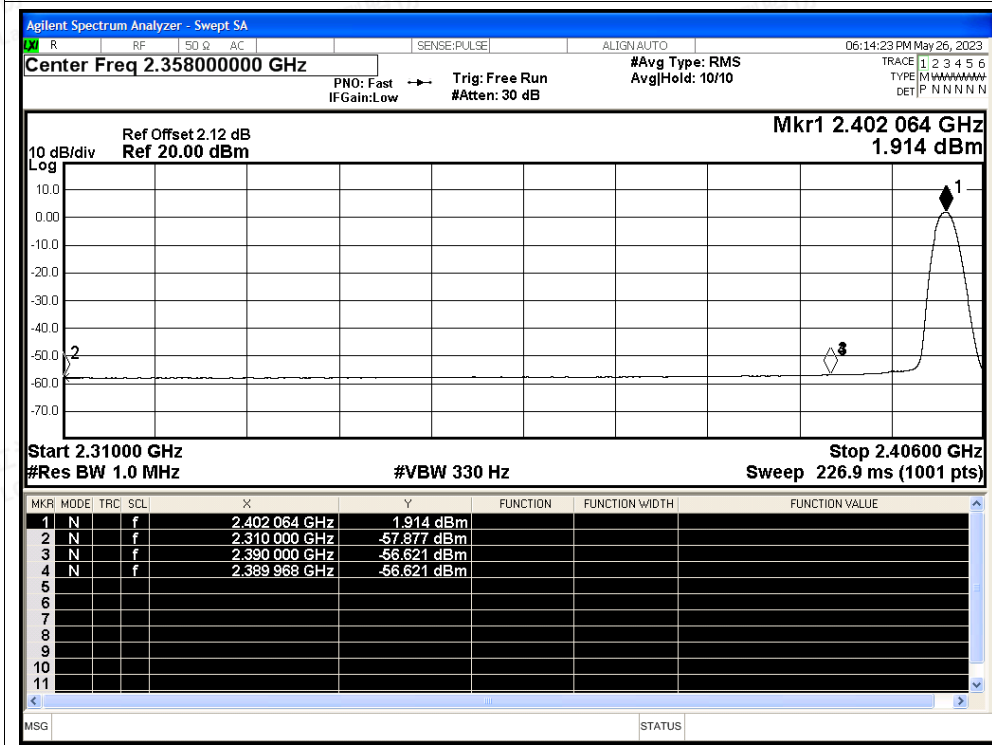




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

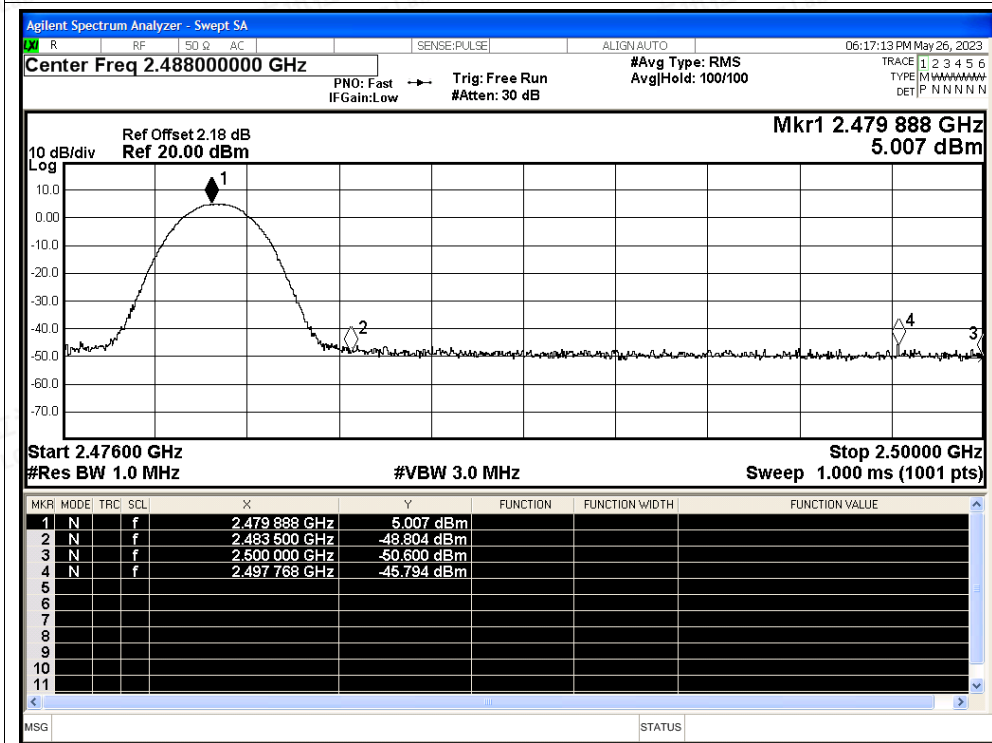


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

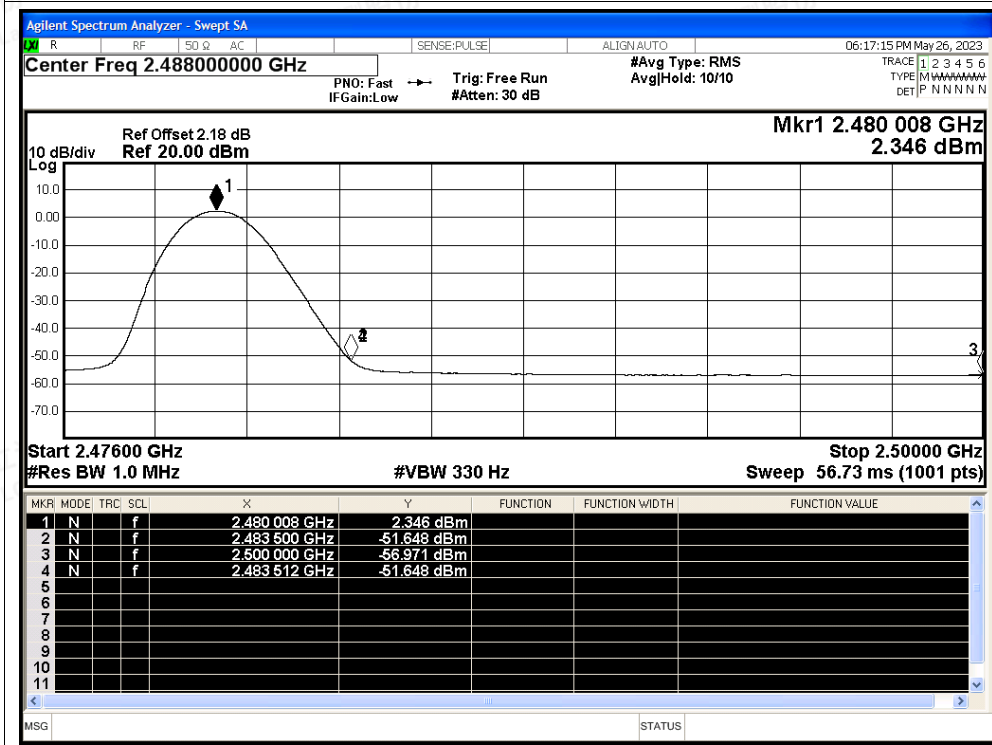


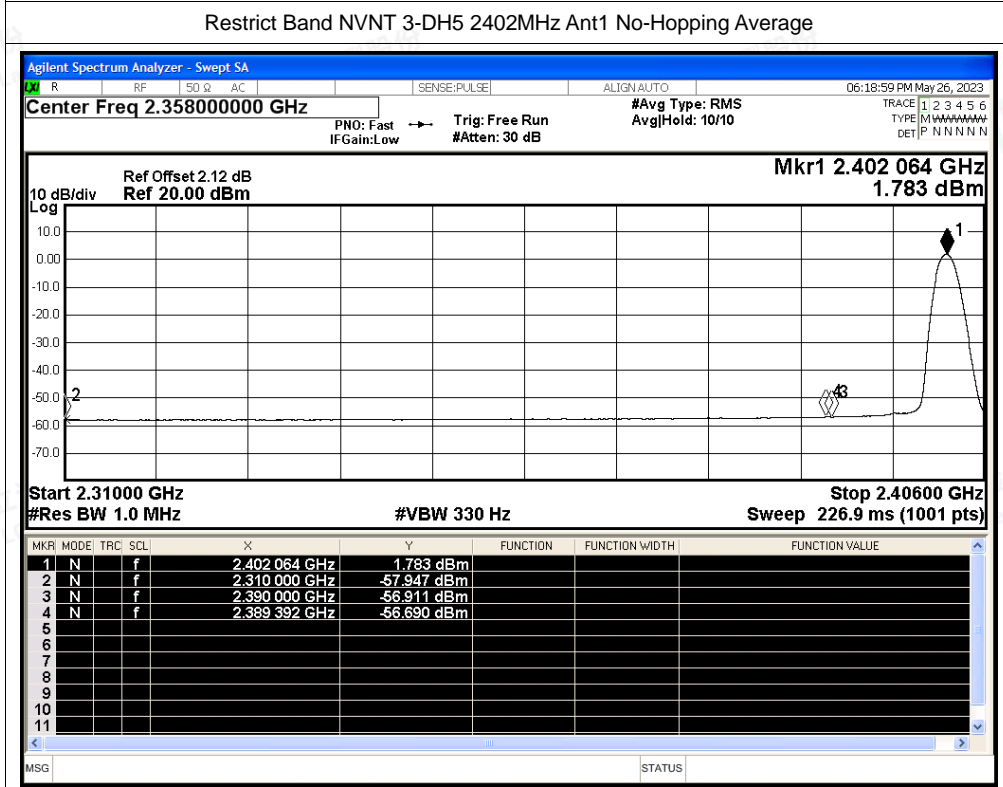
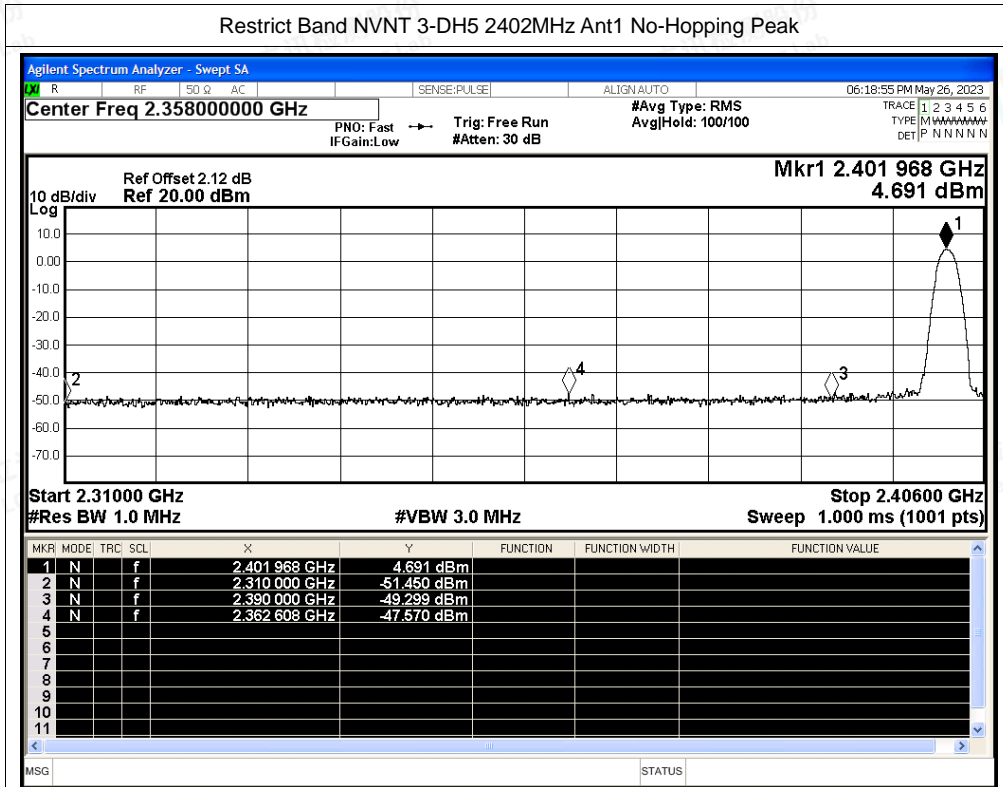


Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



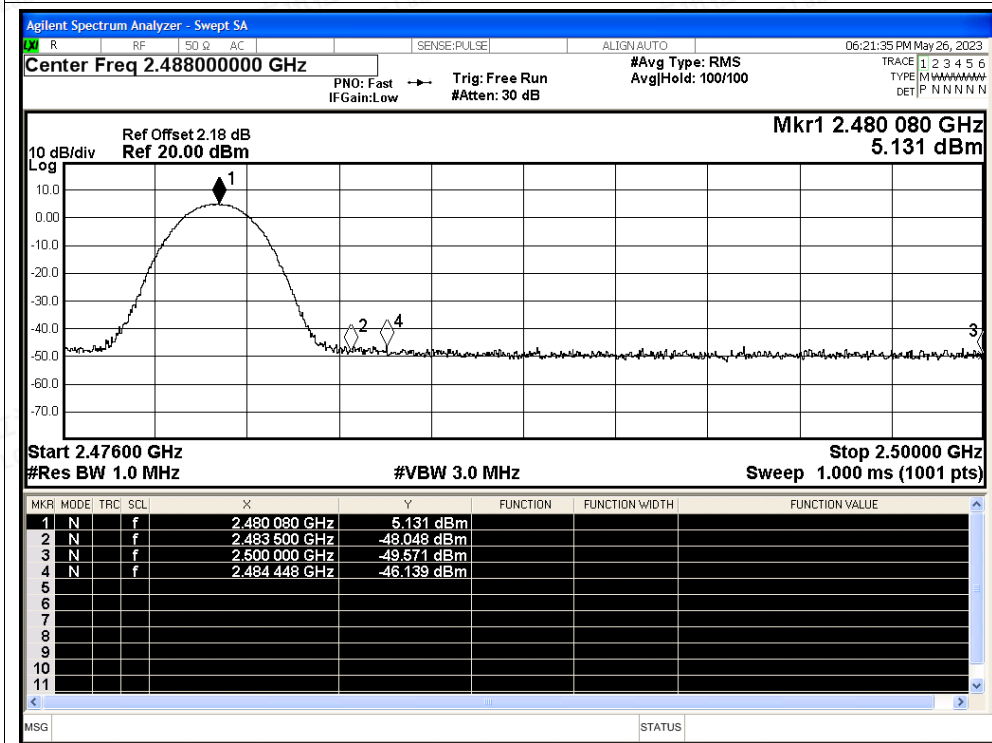
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average







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



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

