



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Color Paper S-Book

Test Model: 7C43-01

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jack Cheng
Supervised by:	Ling Zhu



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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	0.857	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.839	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.856	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.261	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.277	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.269	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.261	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.257	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.275	N/A	Pass

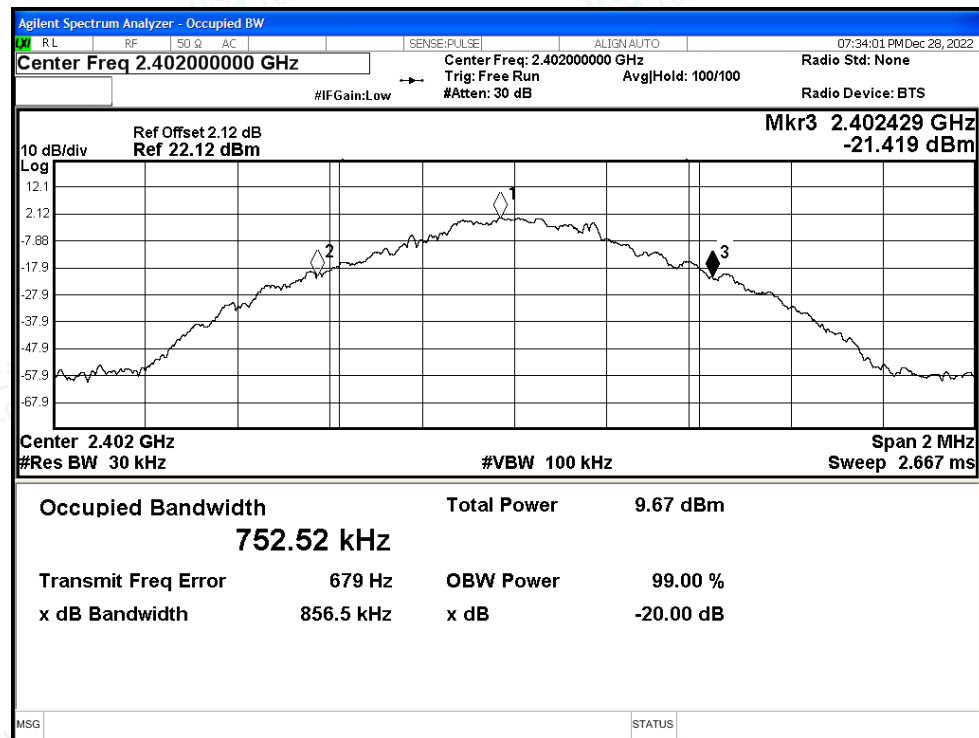


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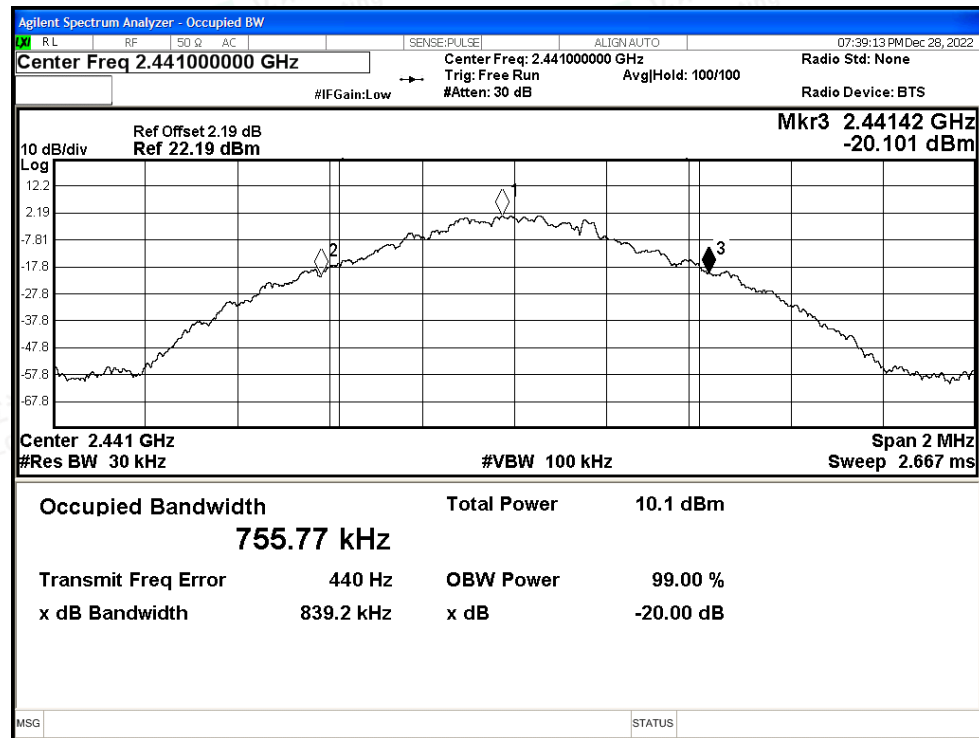


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

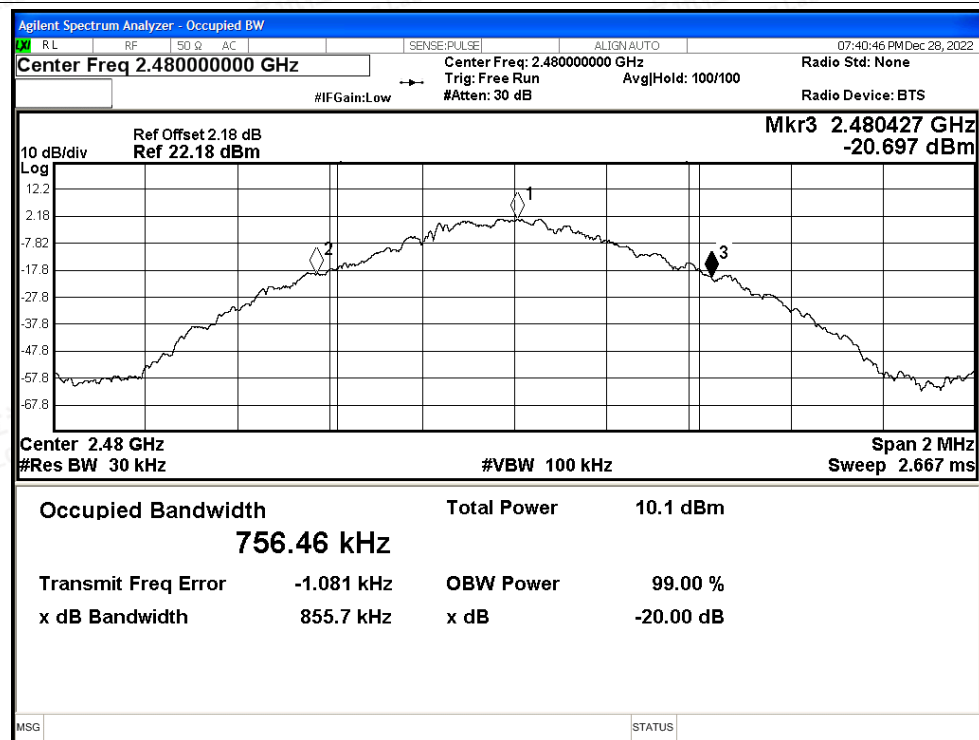


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

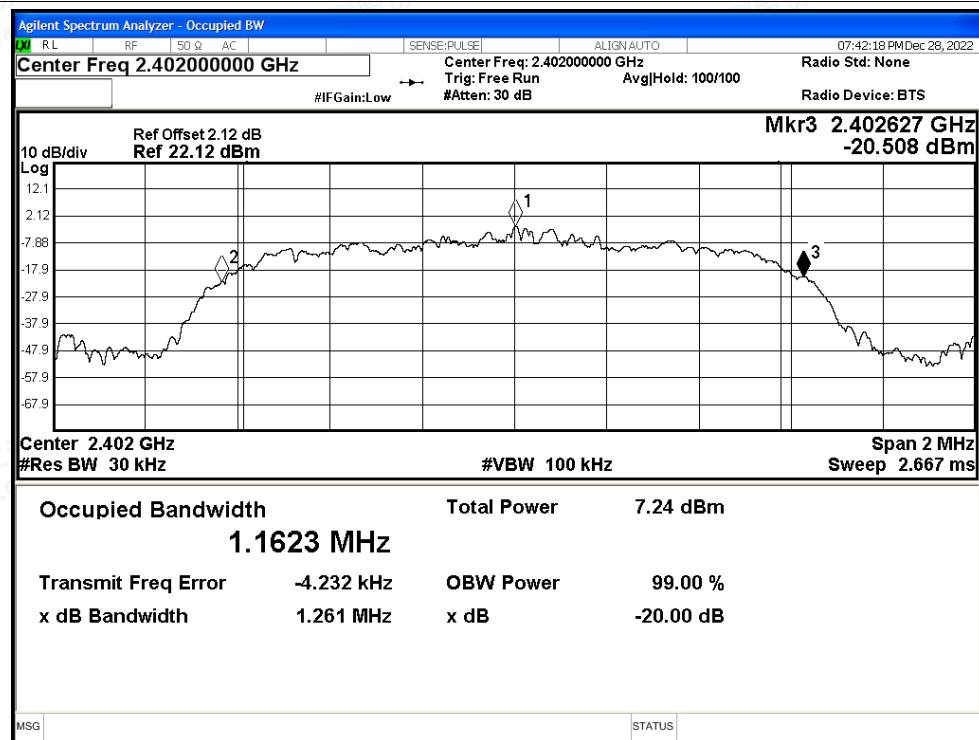




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

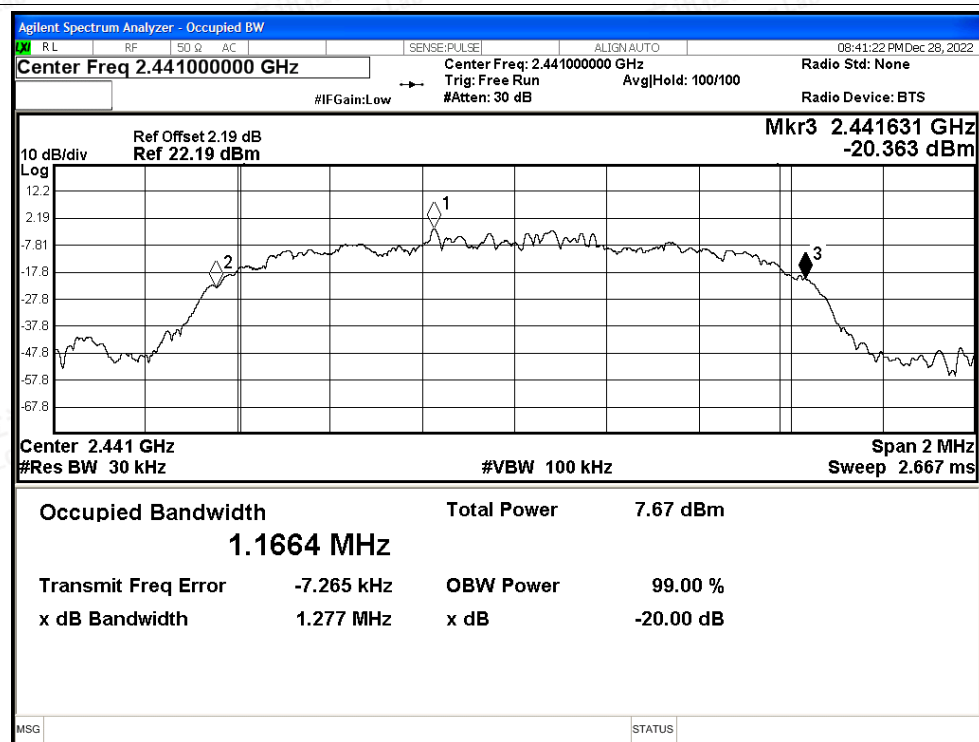


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

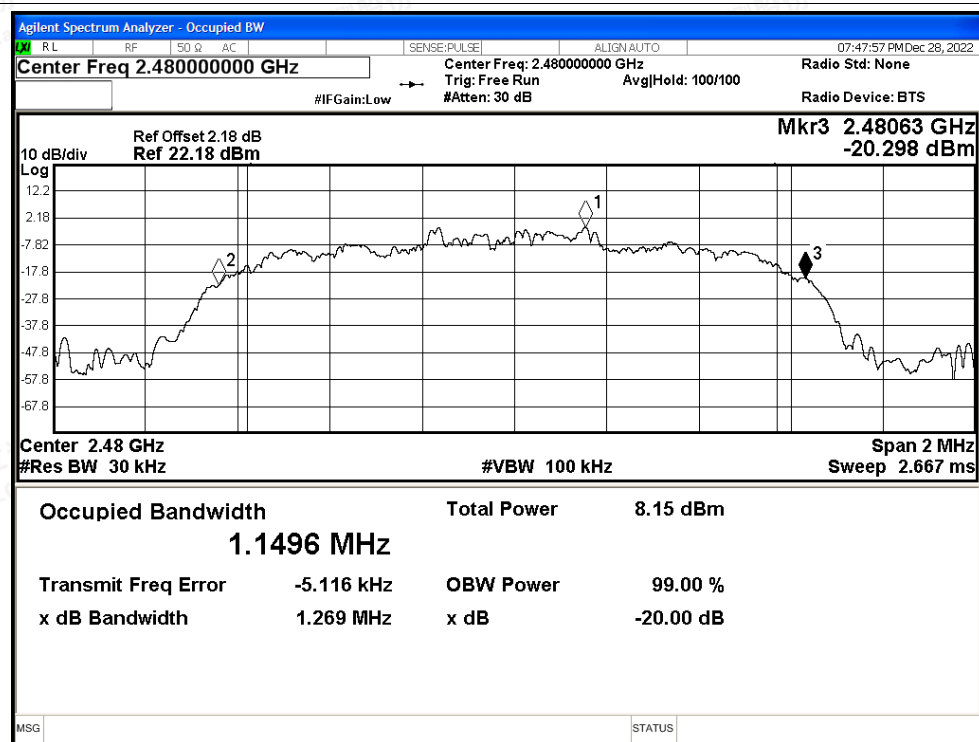




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

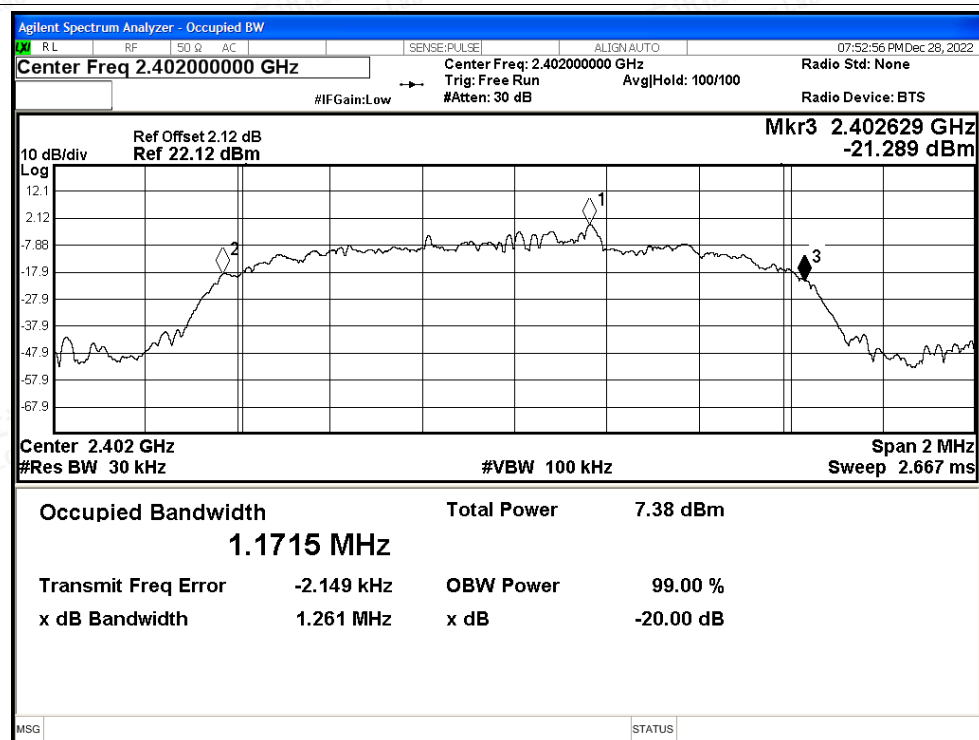


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

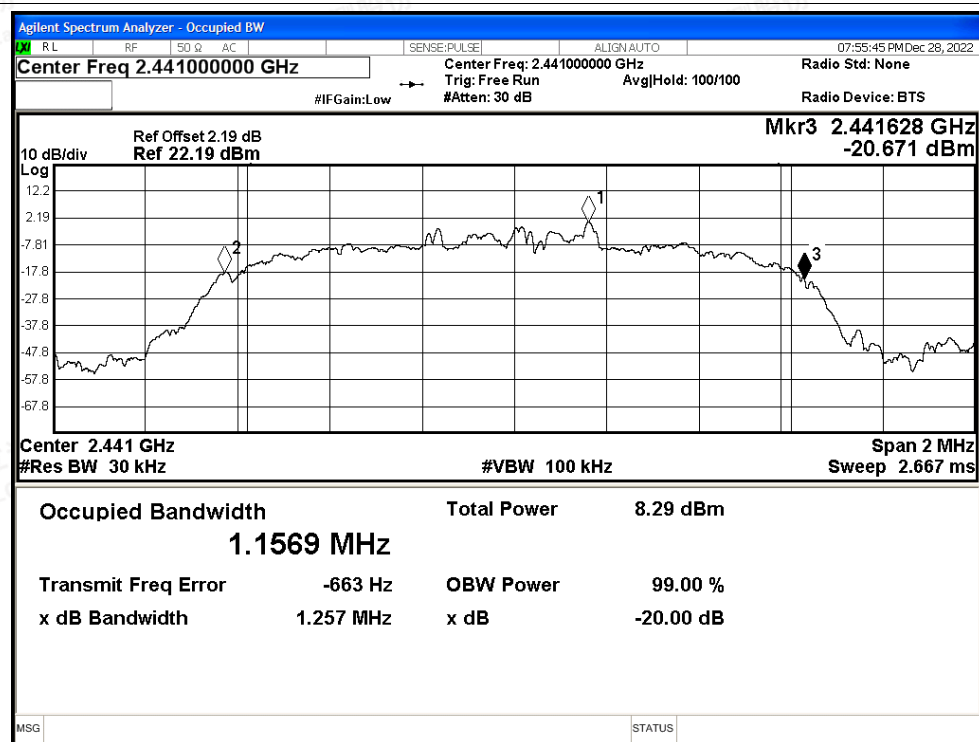


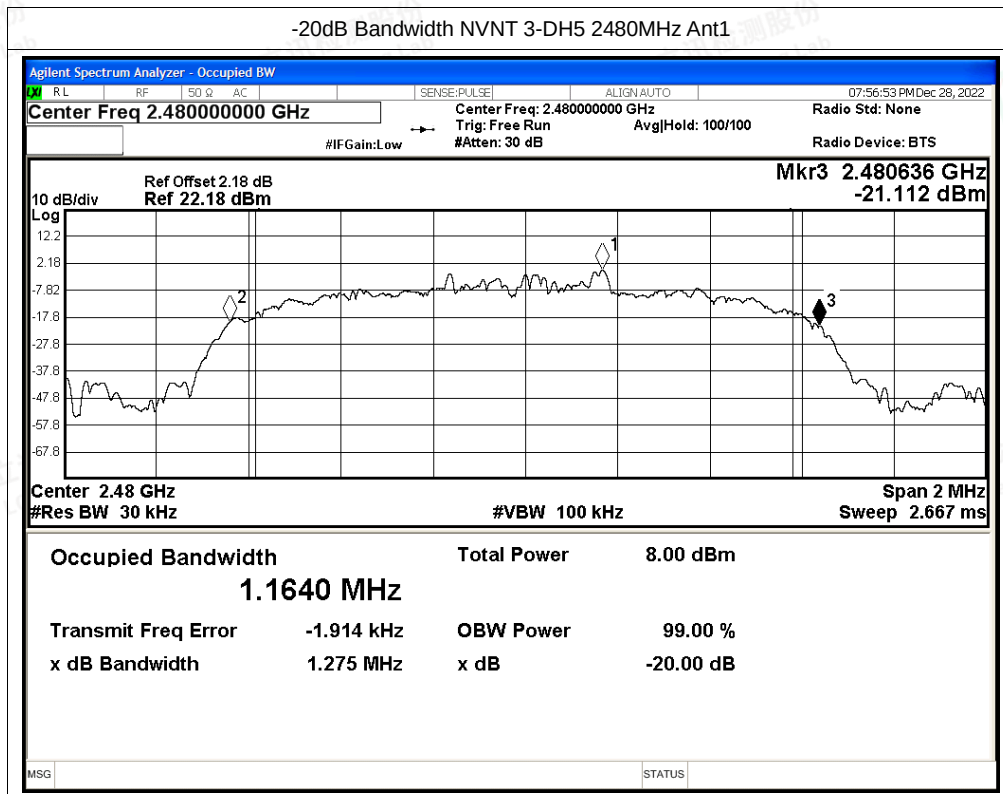


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	3.34	21	Pass
NVNT	1-DH5	2441	Ant1	3.88	21	Pass
NVNT	1-DH5	2480	Ant1	3.89	21	Pass
NVNT	2-DH5	2402	Ant1	2.55	21	Pass
NVNT	2-DH5	2441	Ant1	2.99	21	Pass
NVNT	2-DH5	2480	Ant1	2.97	21	Pass
NVNT	3-DH5	2402	Ant1	2.56	21	Pass
NVNT	3-DH5	2441	Ant1	3.01	21	Pass
NVNT	3-DH5	2480	Ant1	2.98	21	Pass

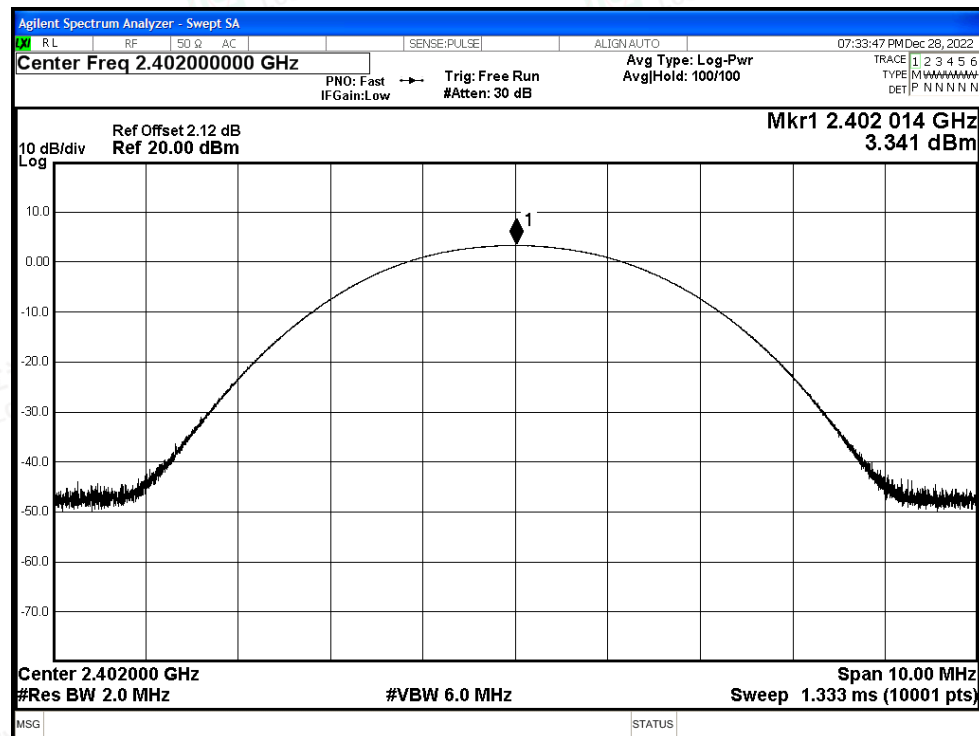


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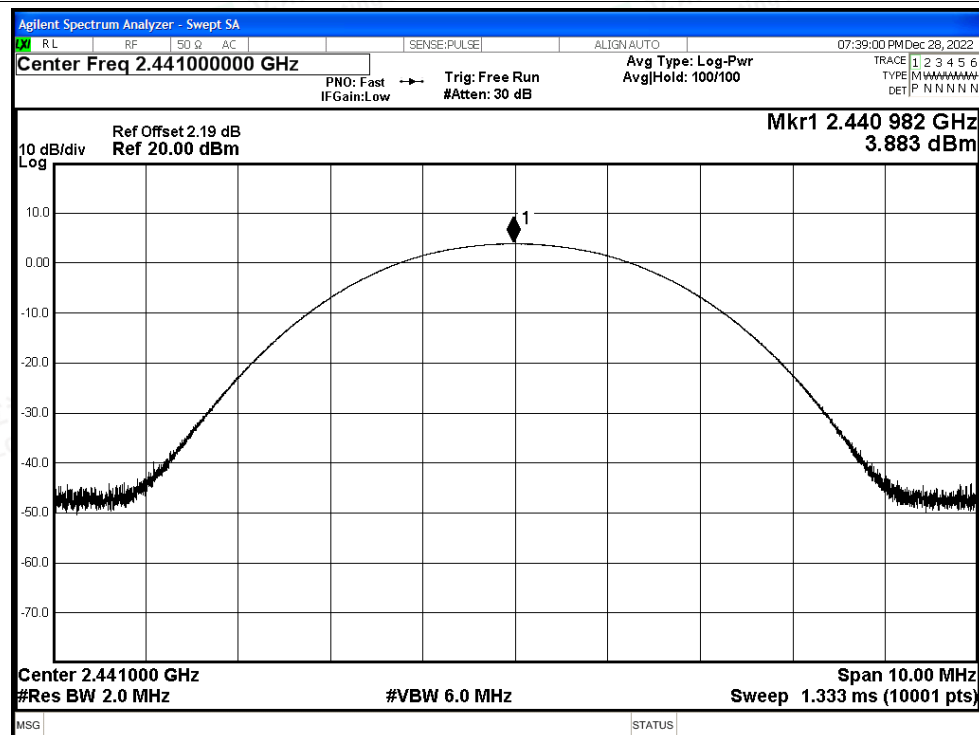


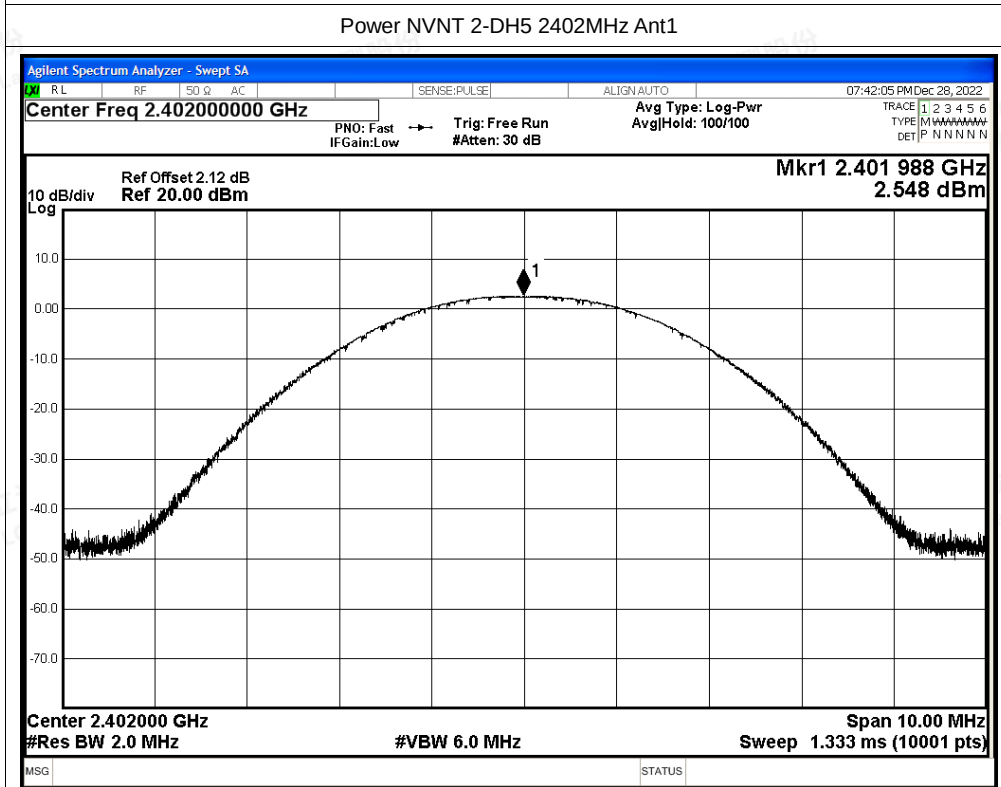
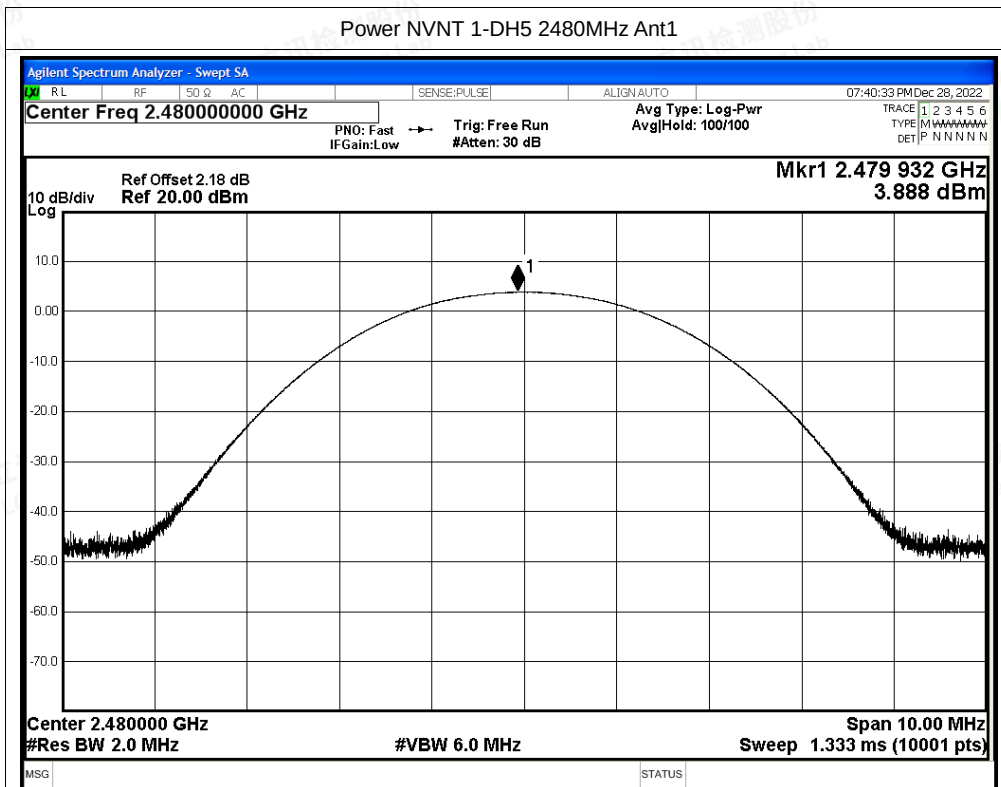
Test Graphs

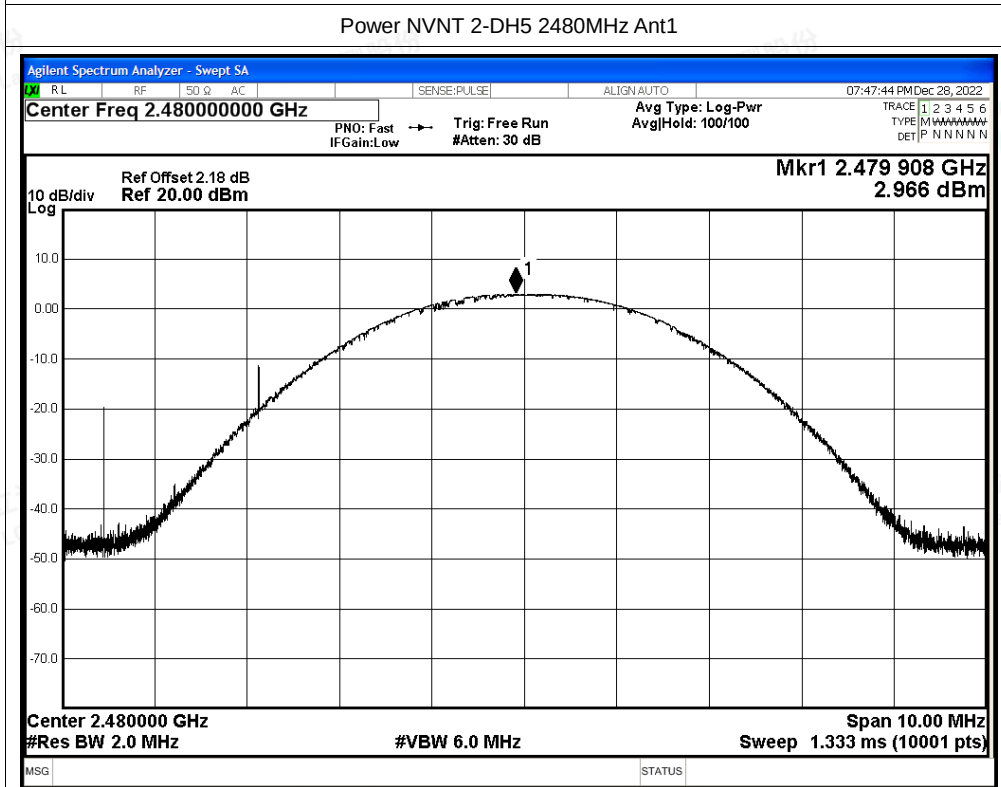
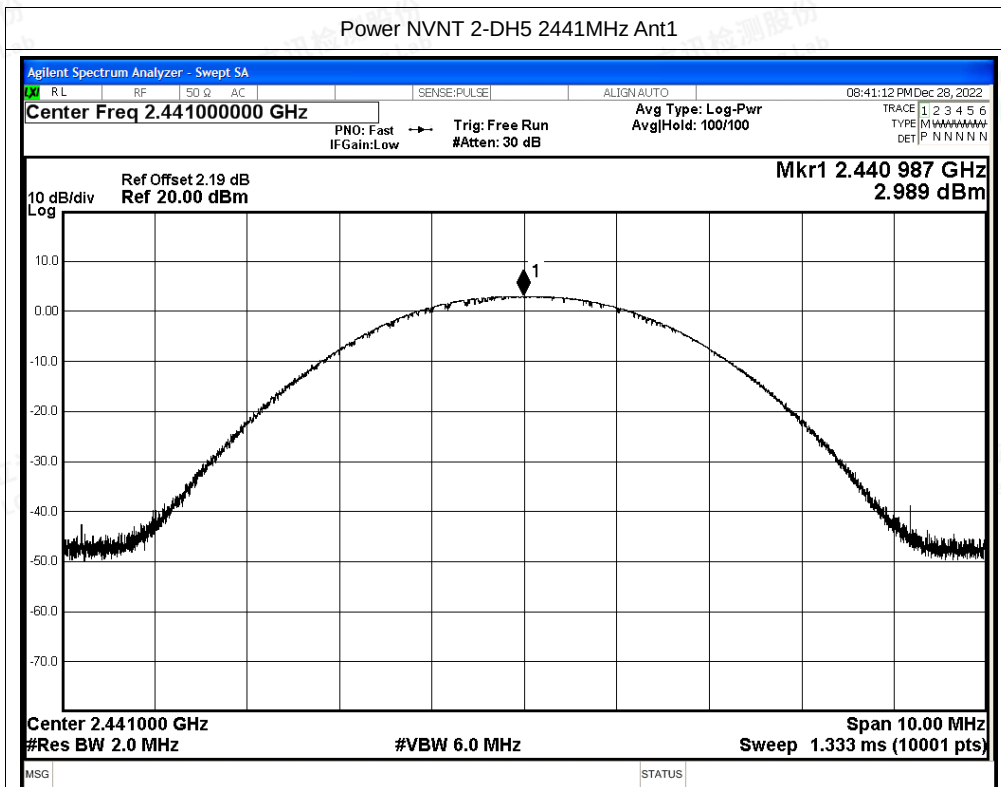
Power NVNT 1-DH5 2402MHz Ant1

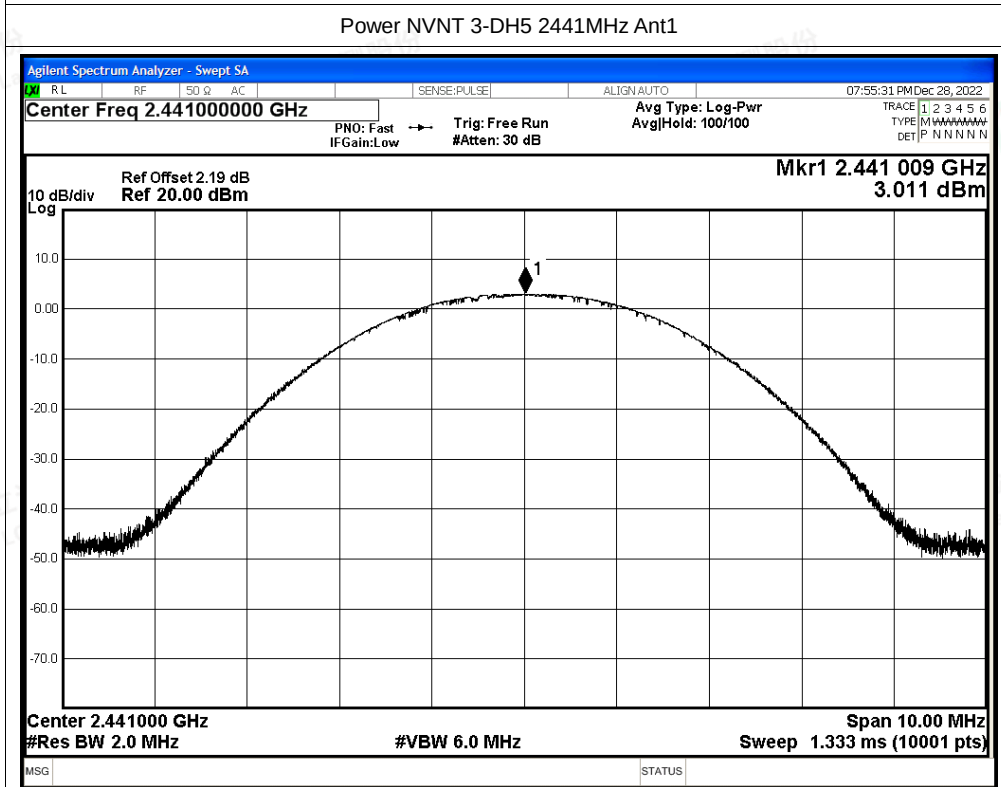
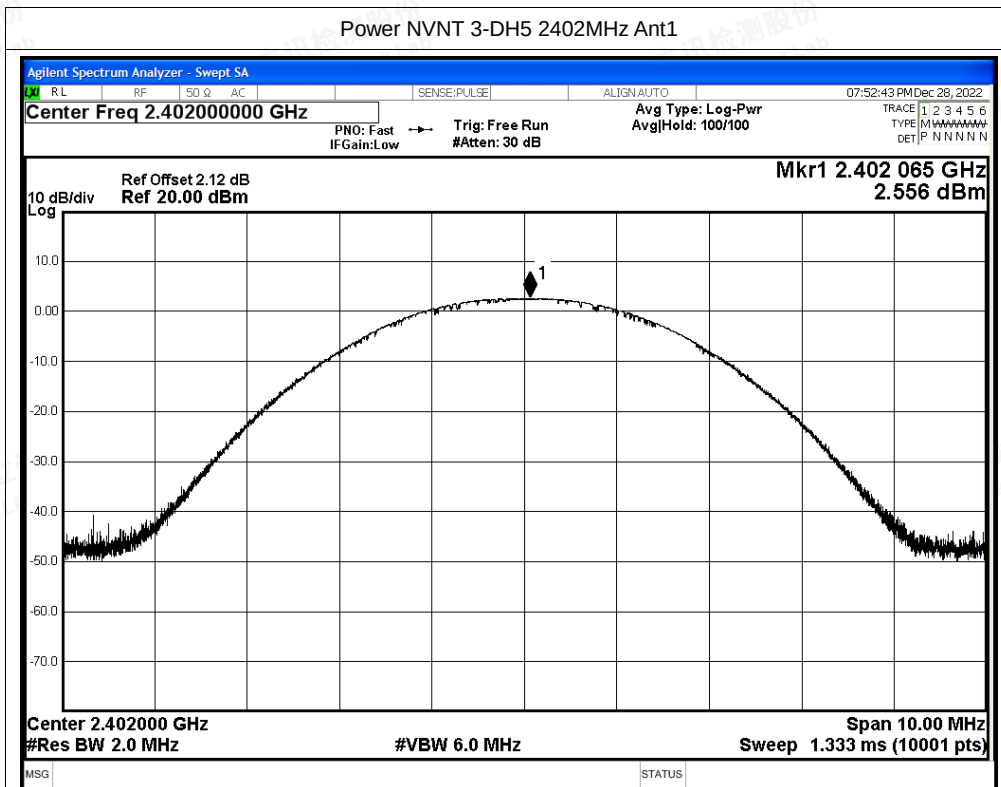


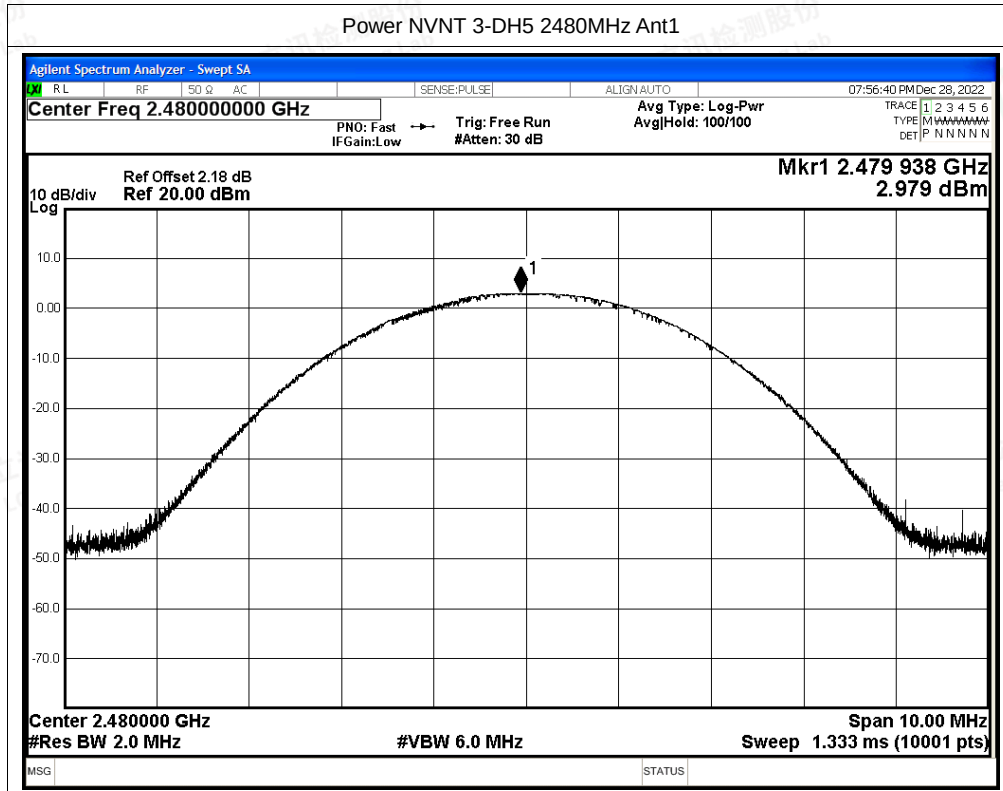
Power NVNT 1-DH5 2441MHz Ant1













A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.986	2403.014	1.028	0.571	Pass
NVNT	2-DH5	Ant1	2402.006	2403.004	0.998	0.841	Pass
NVNT	3-DH5	Ant1	2402.158	2403.166	1.008	0.841	Pass

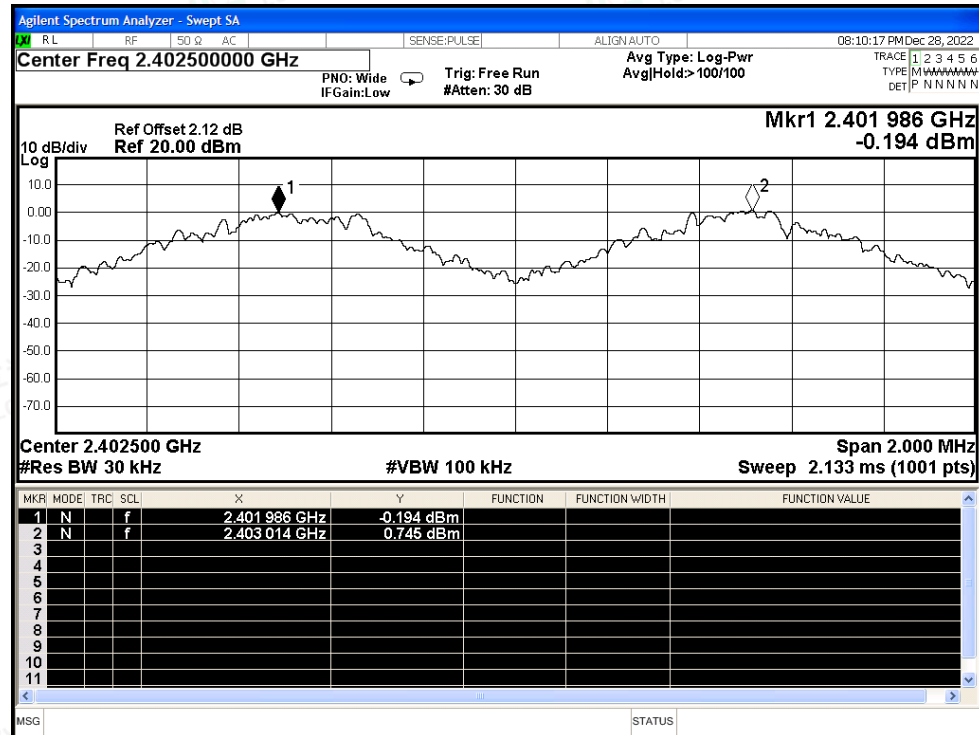


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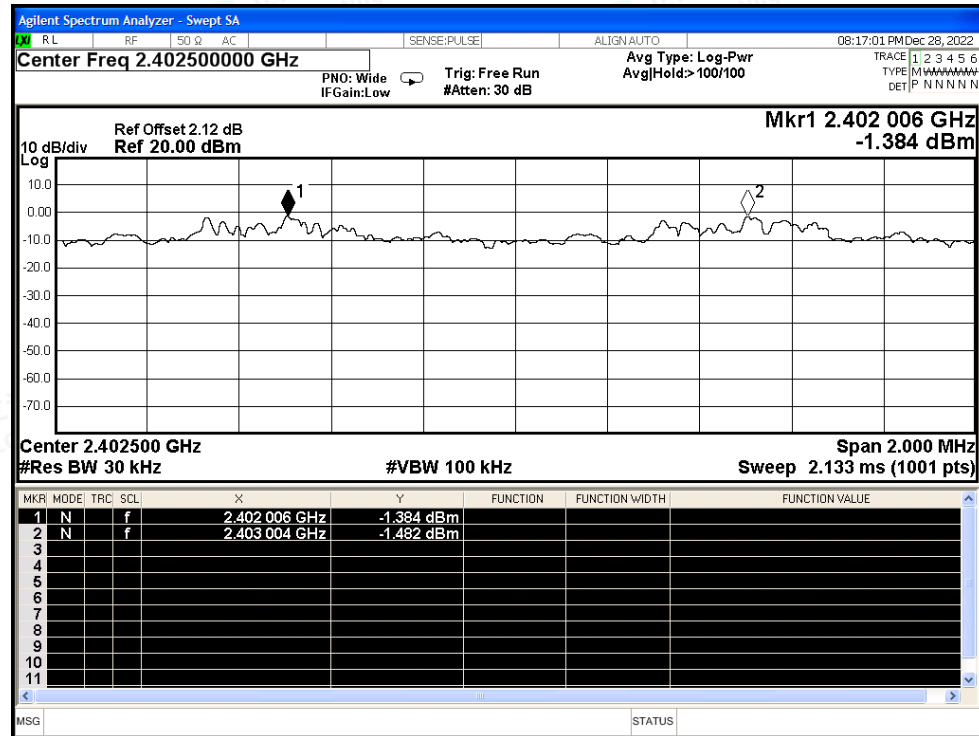


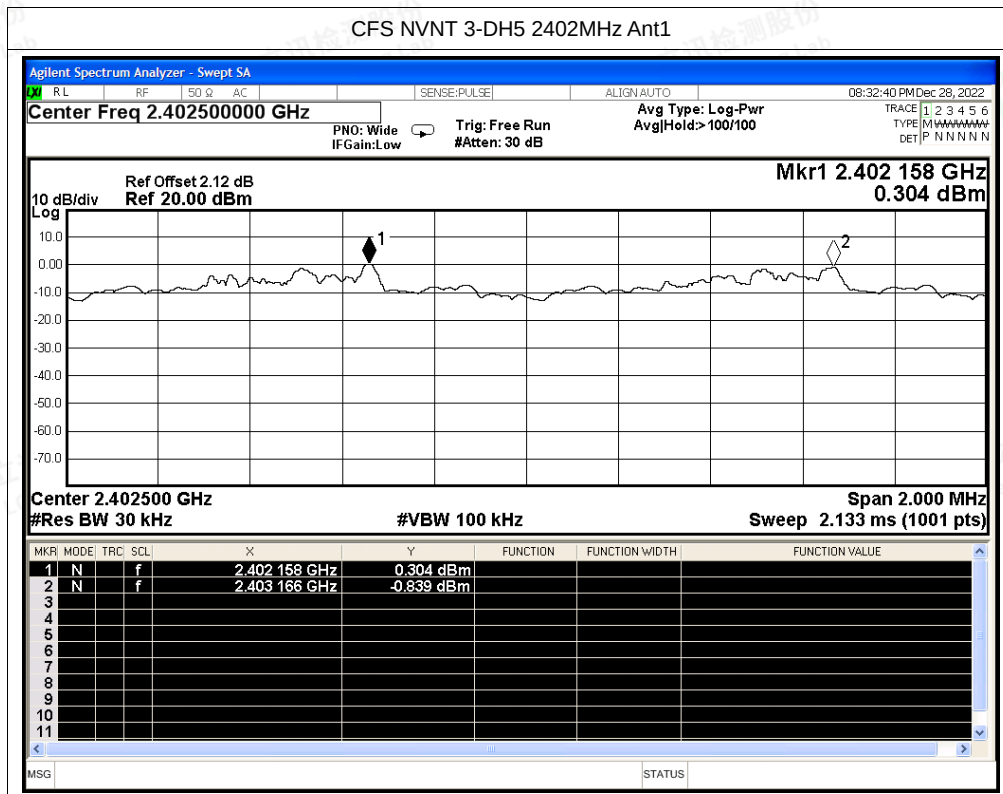
Test Graphs

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	2.881	293.862	102	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	279.845	97	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	334.776	116	31600	400	Pass

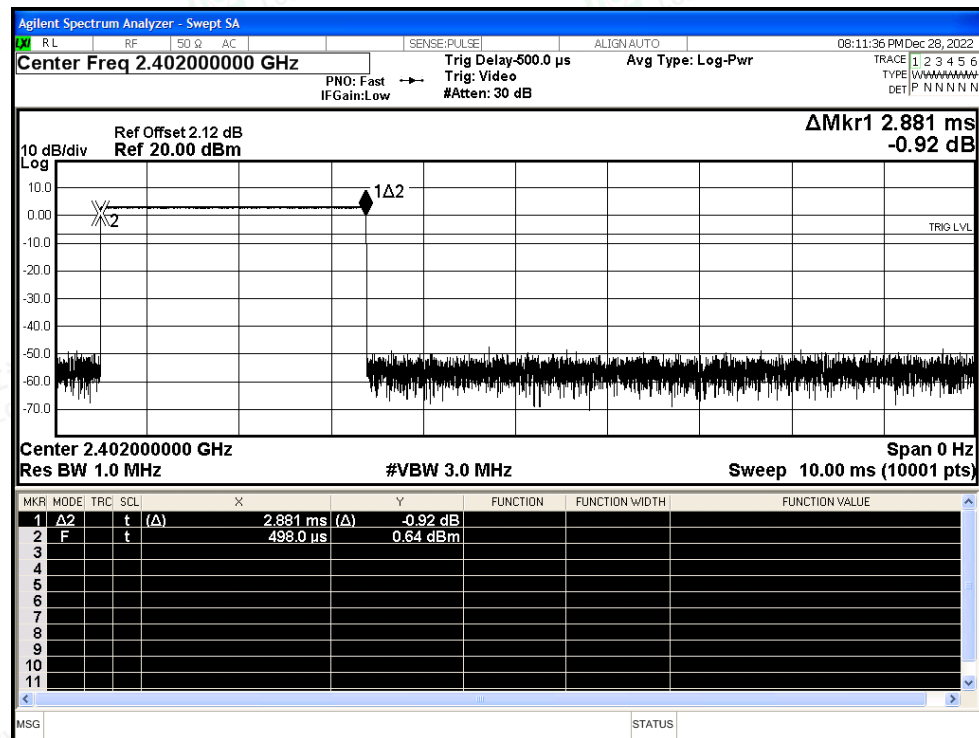


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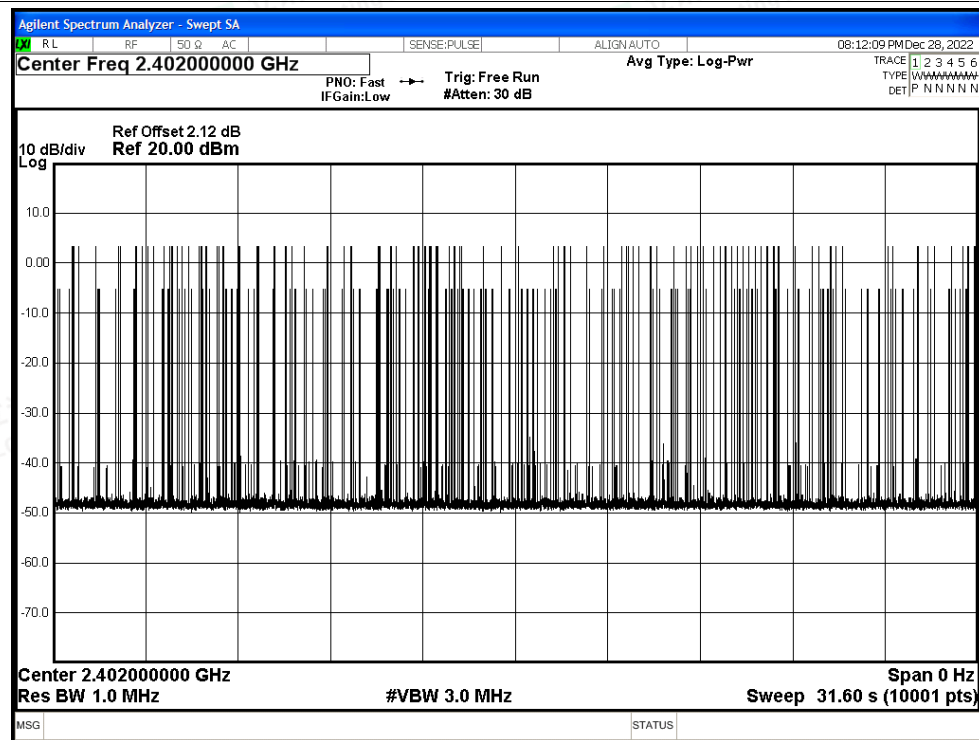


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

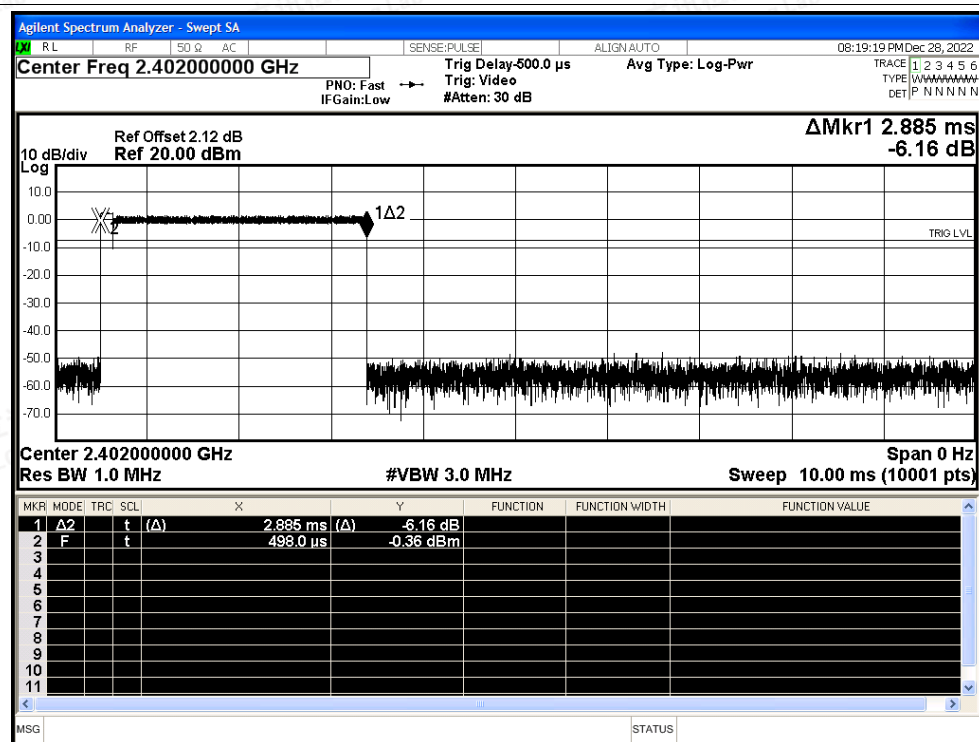


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

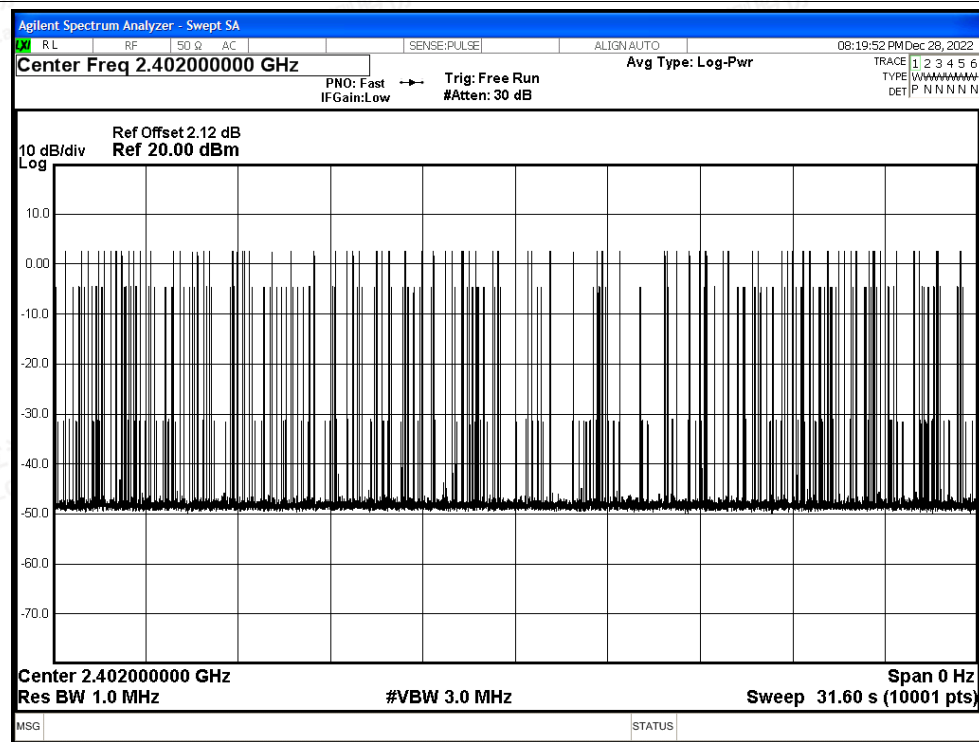




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

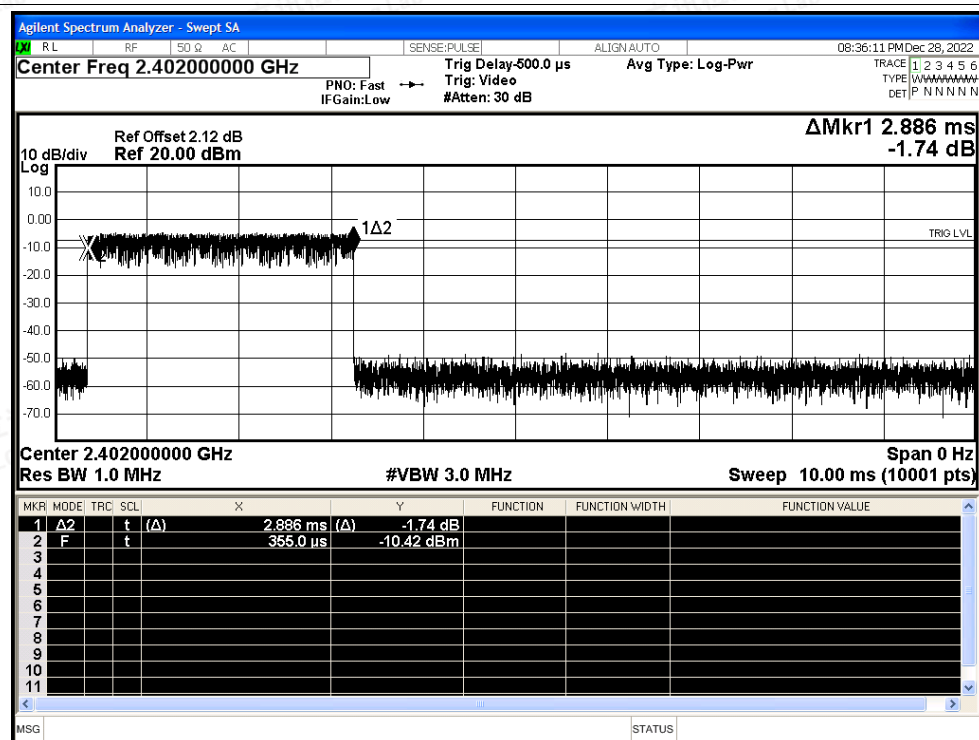


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

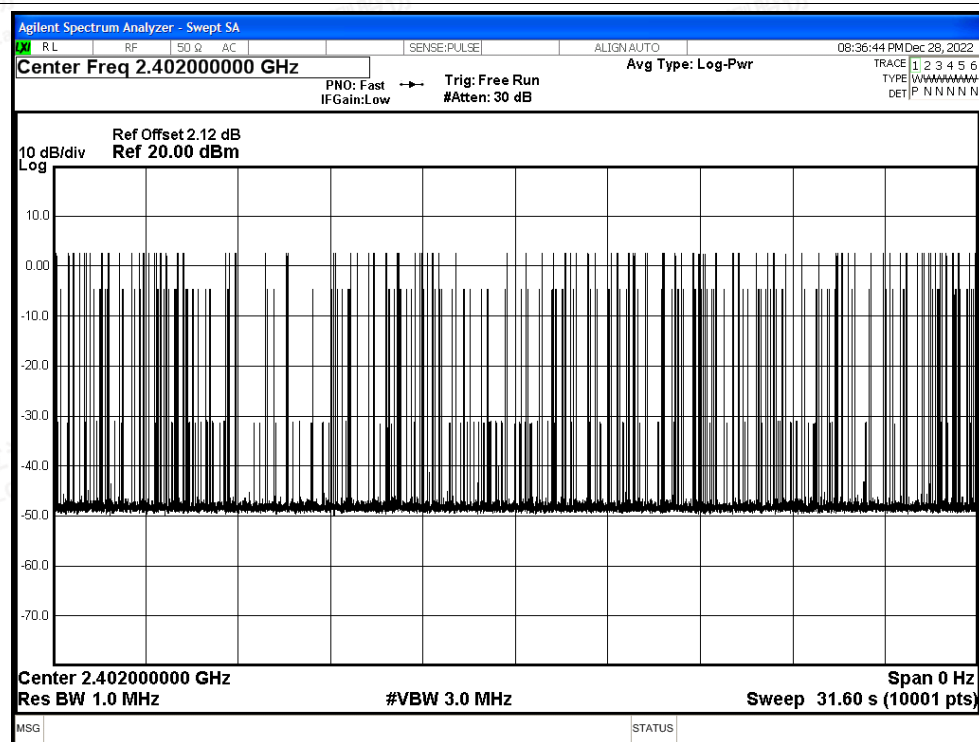




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-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

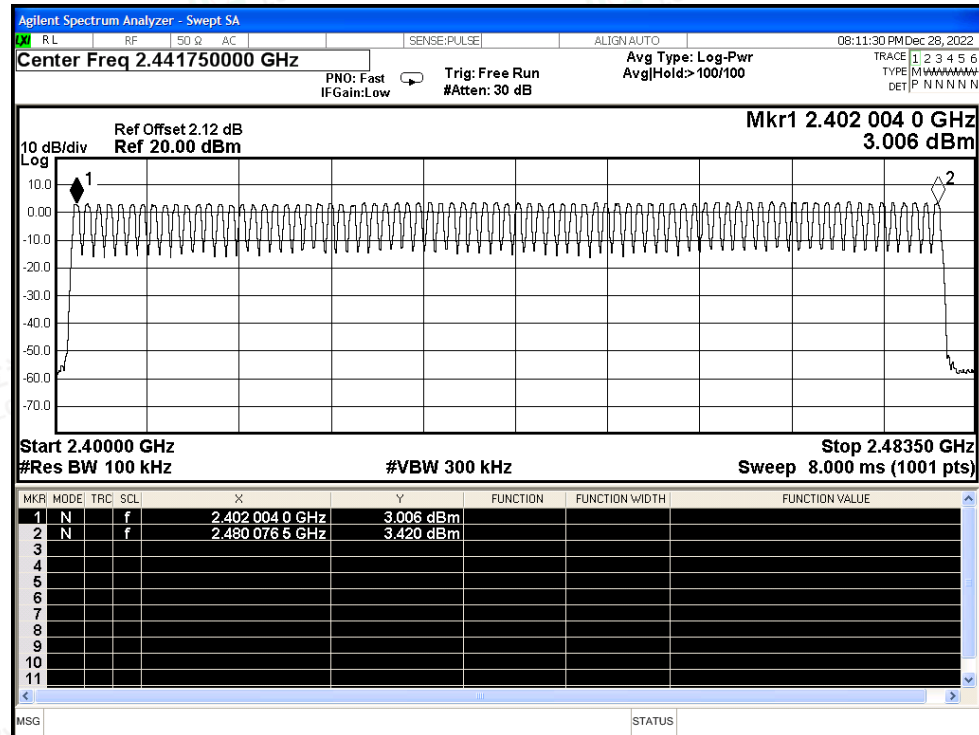


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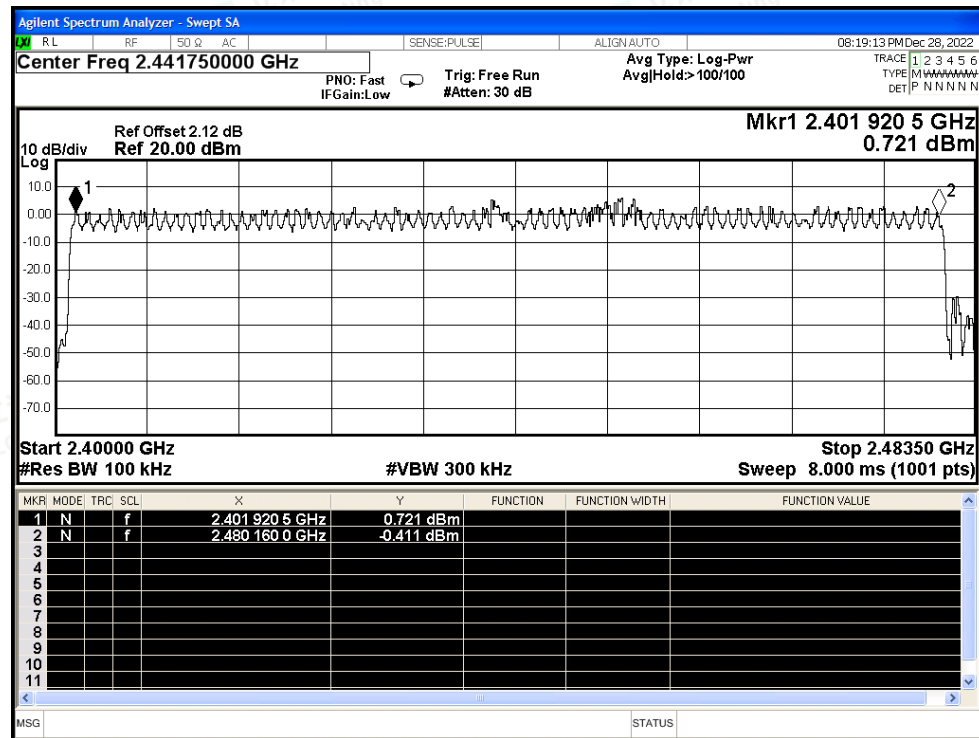


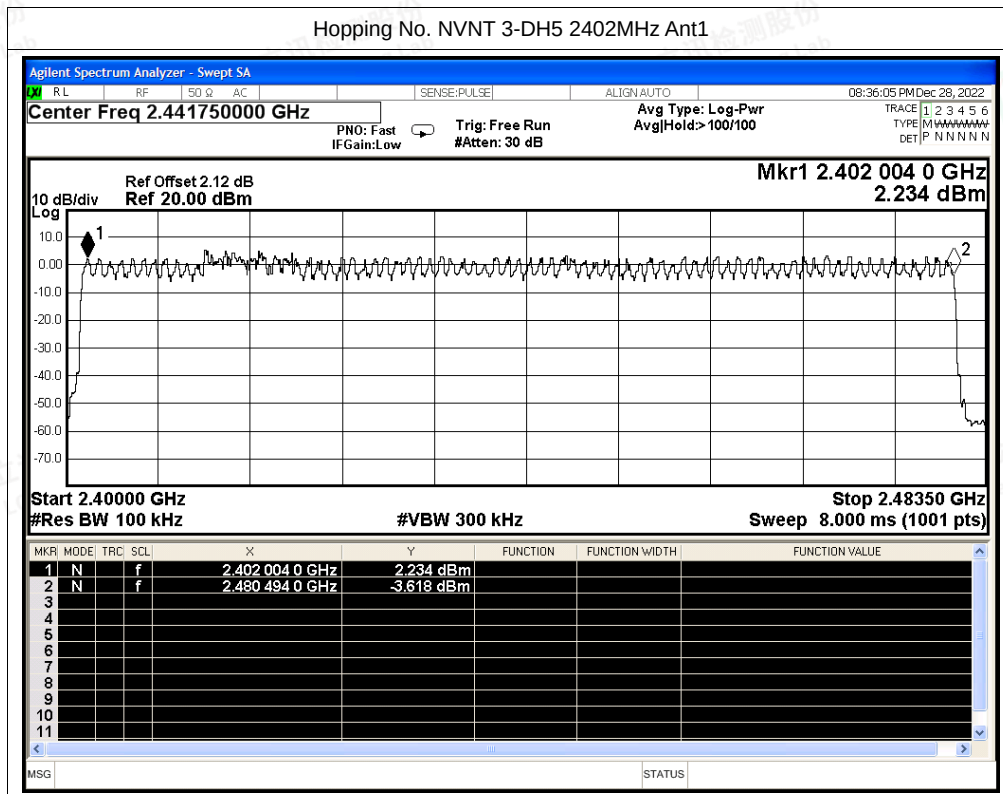
Test Graphs

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	-59.68	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.14	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-58.22	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.2	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-56.14	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.96	-20	Pass

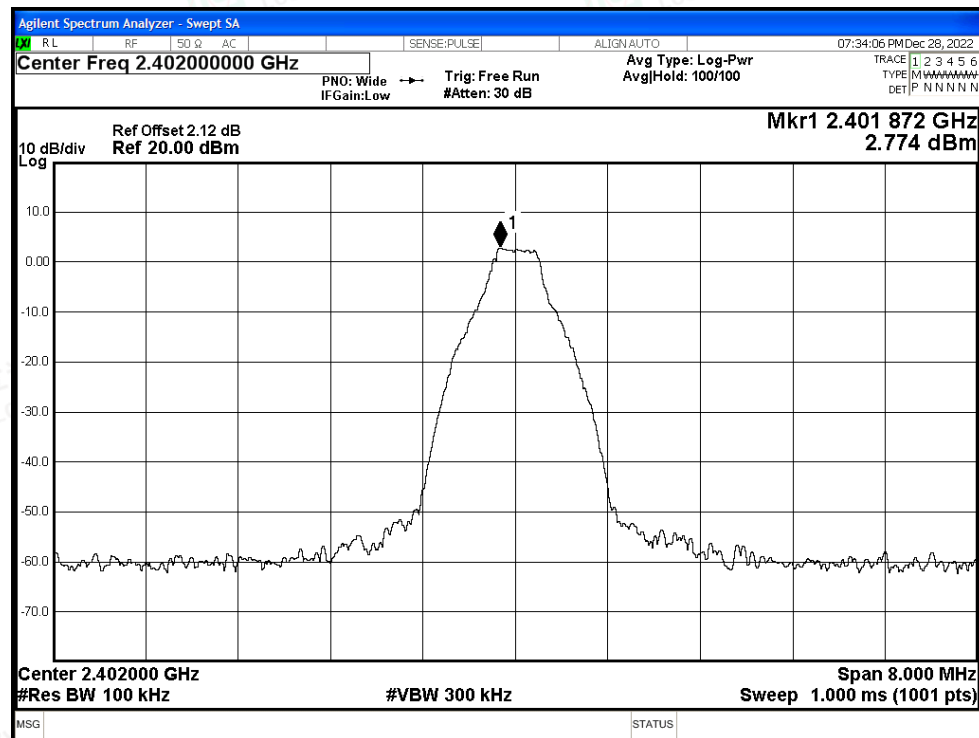


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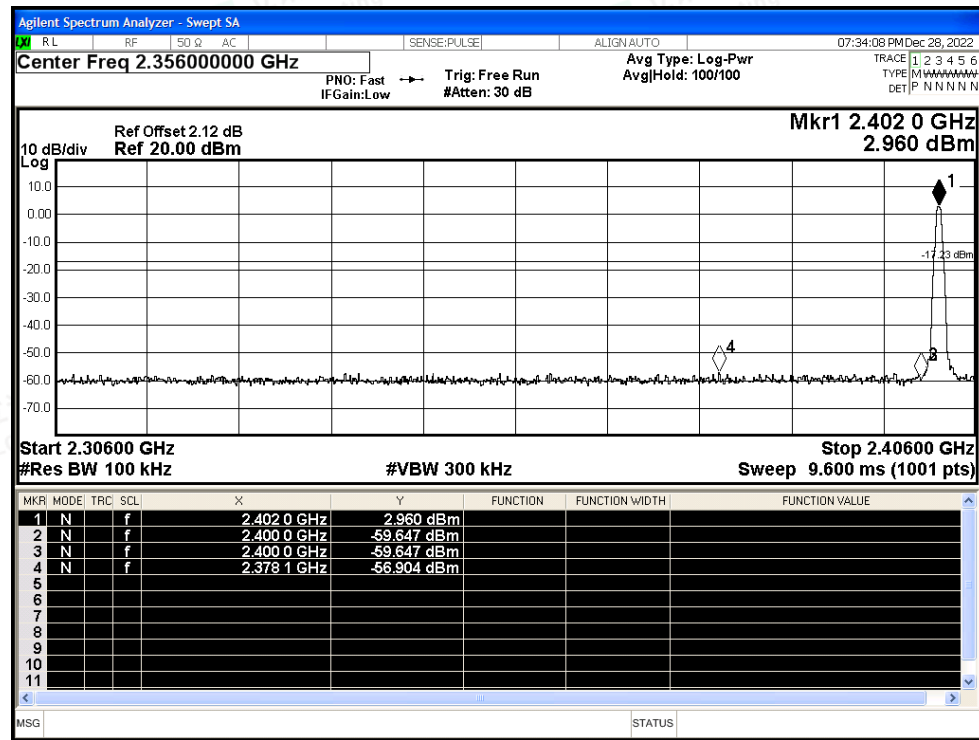


Test Graphs

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

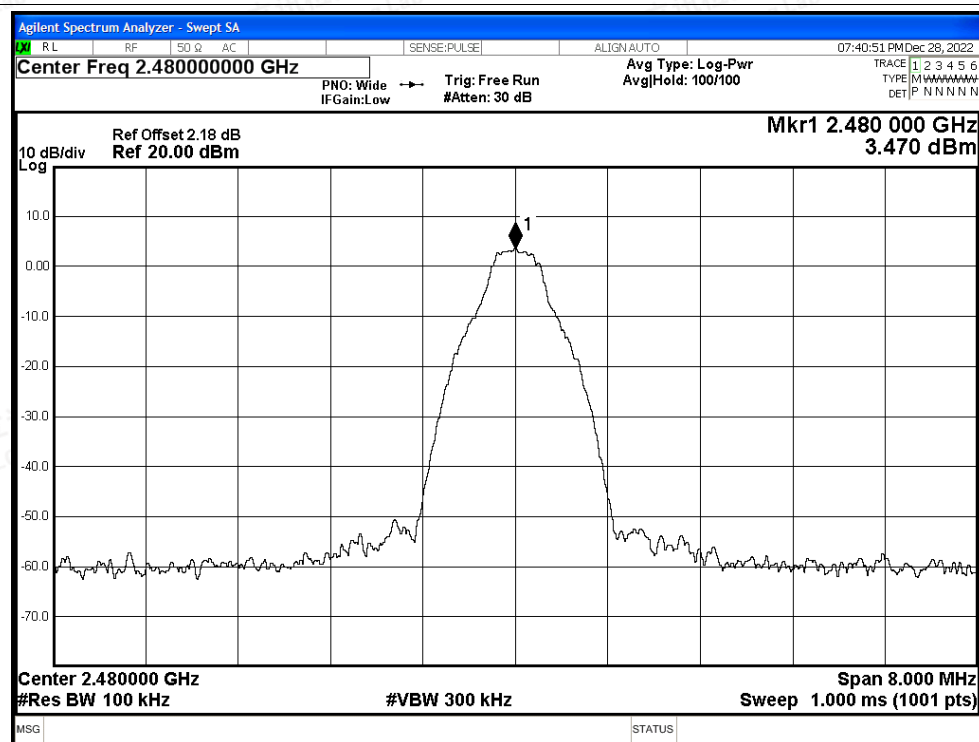


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

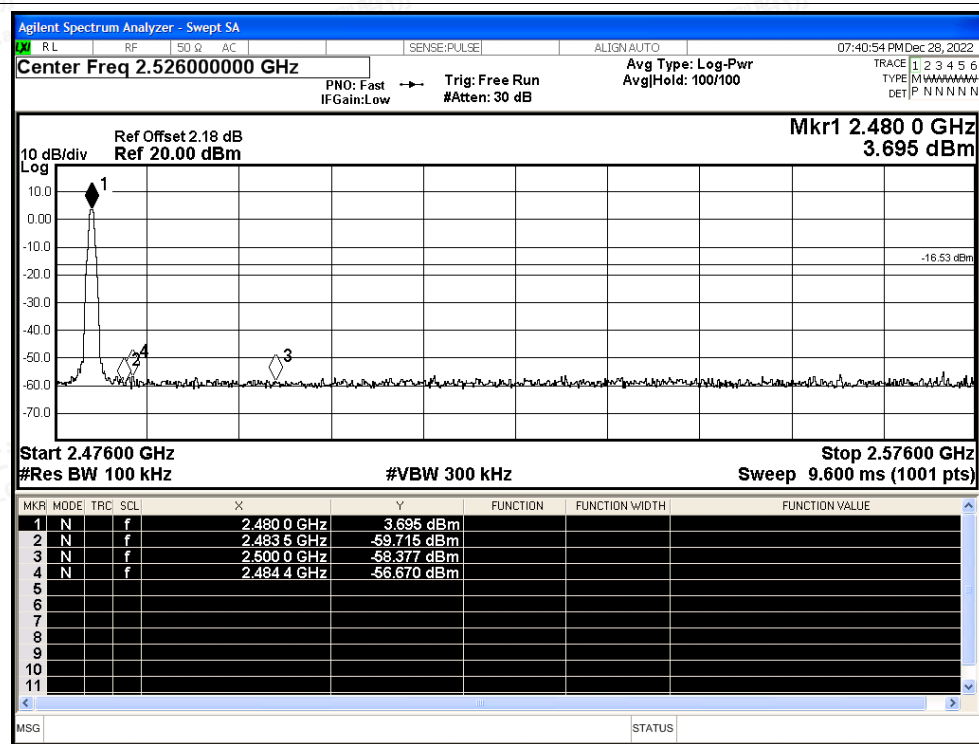




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

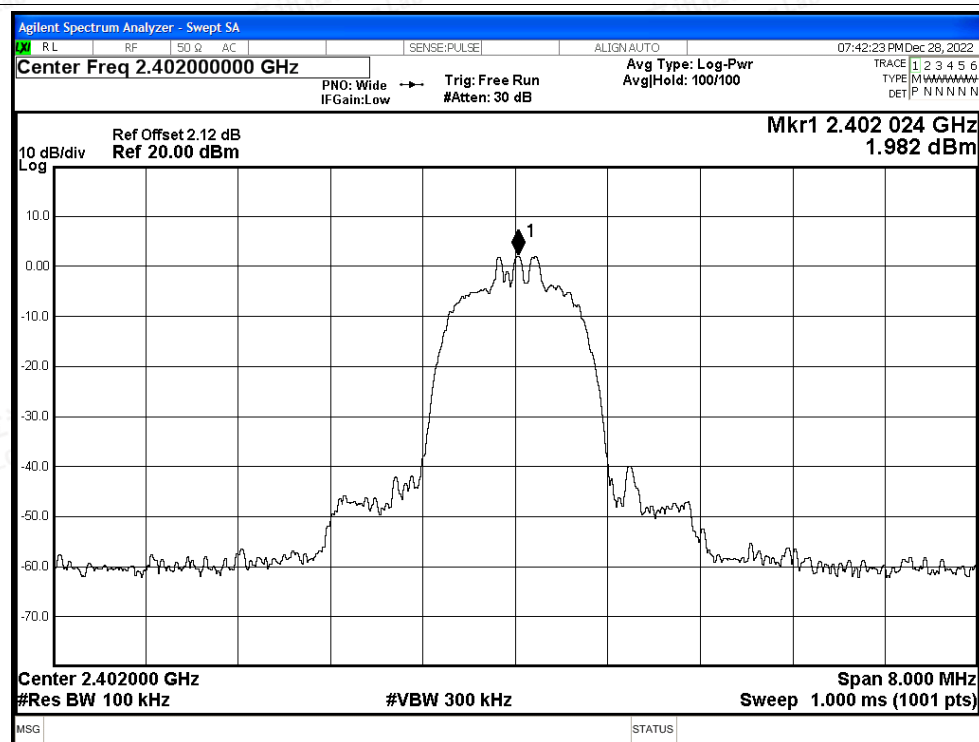


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

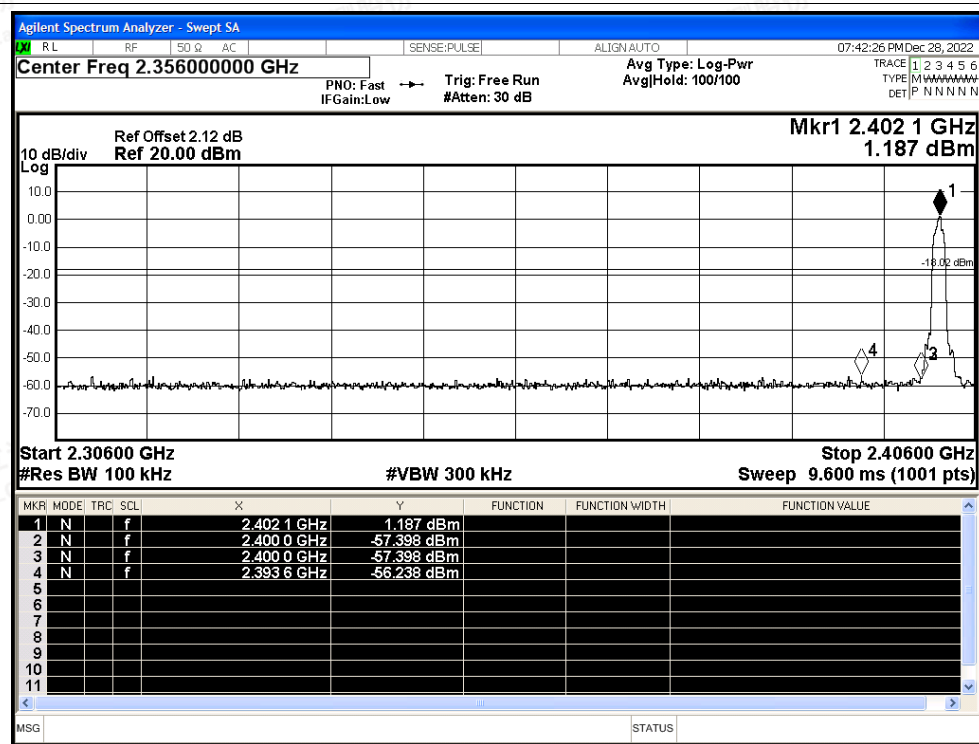




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

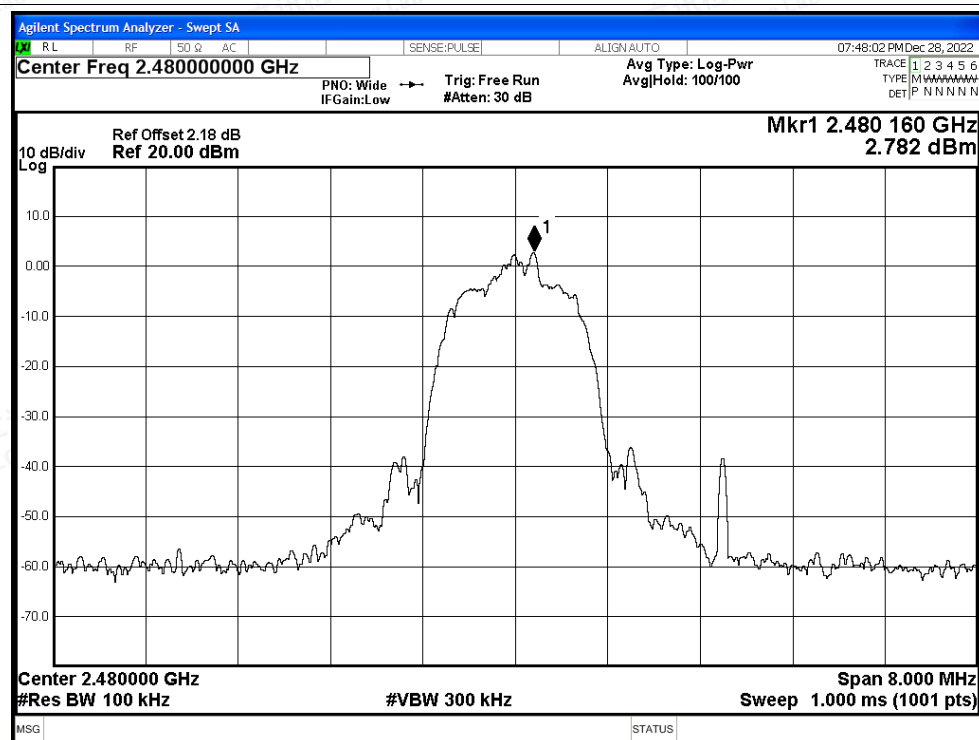


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

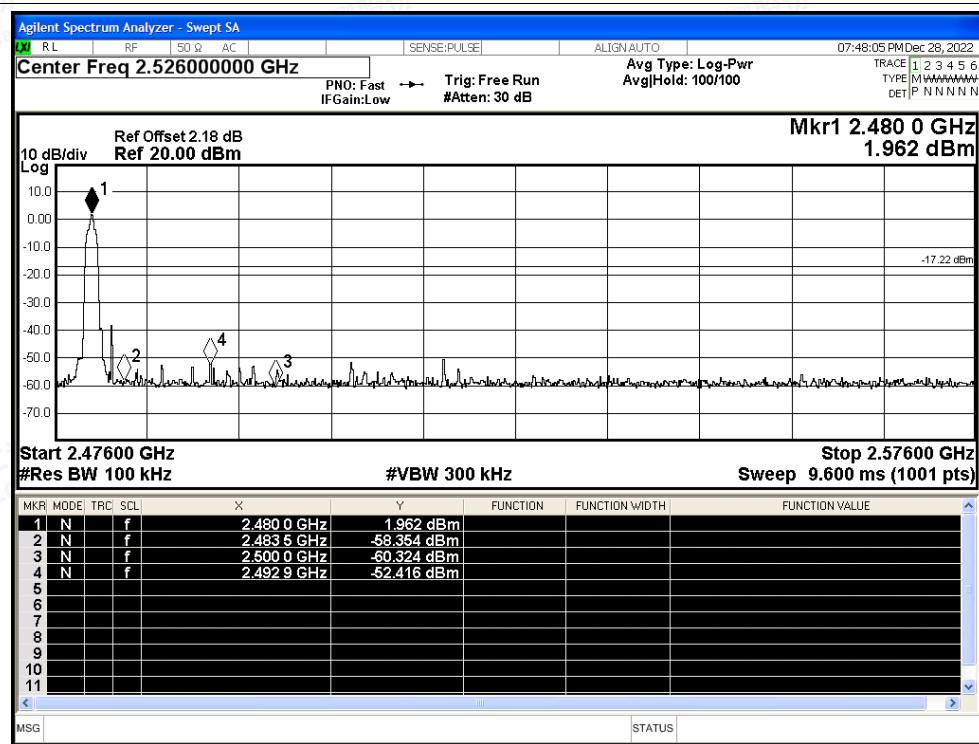




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

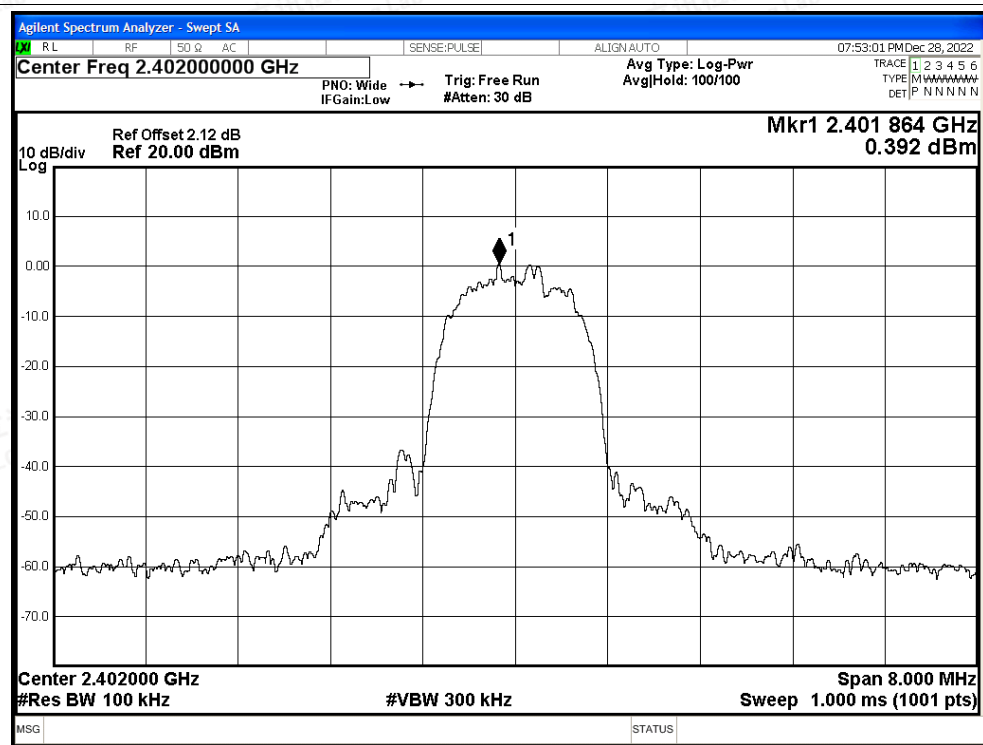


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

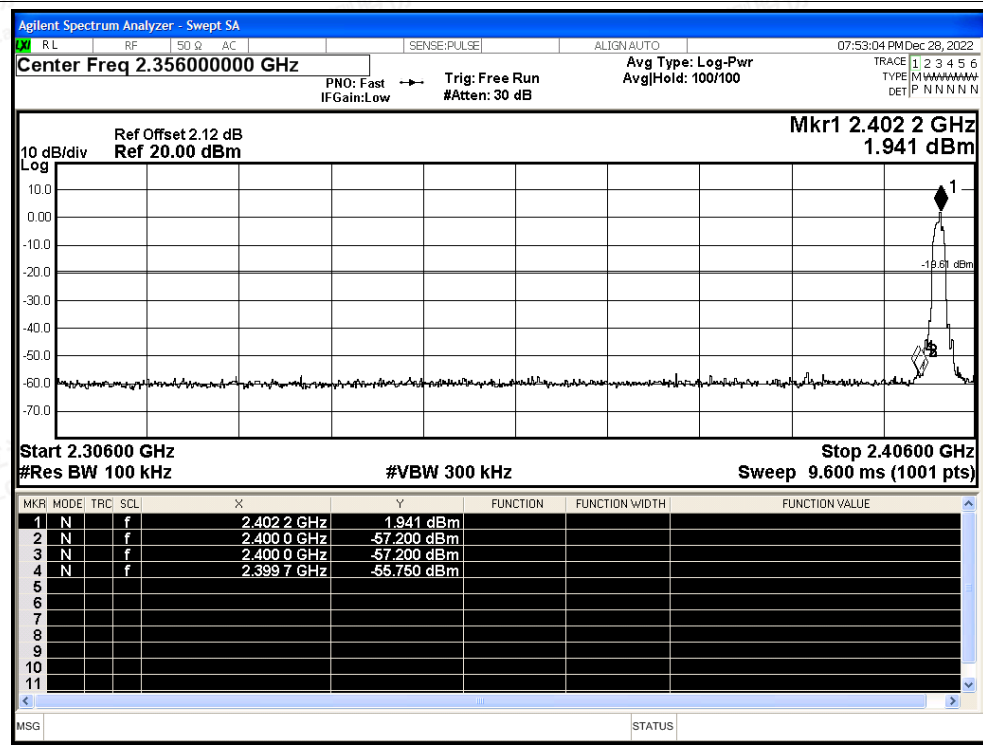




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

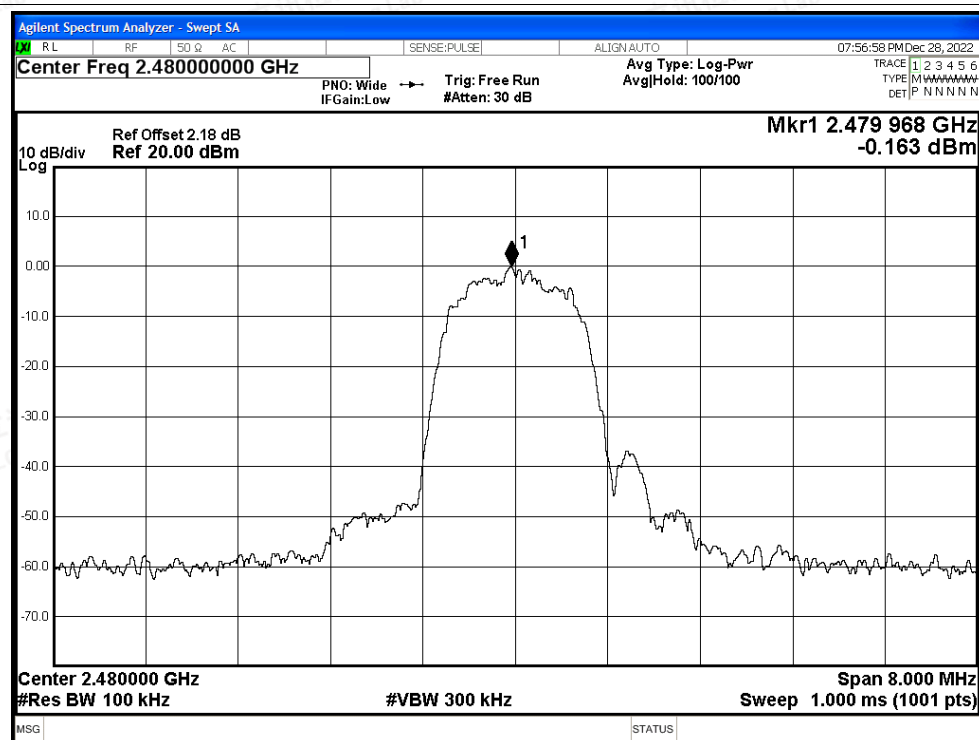


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

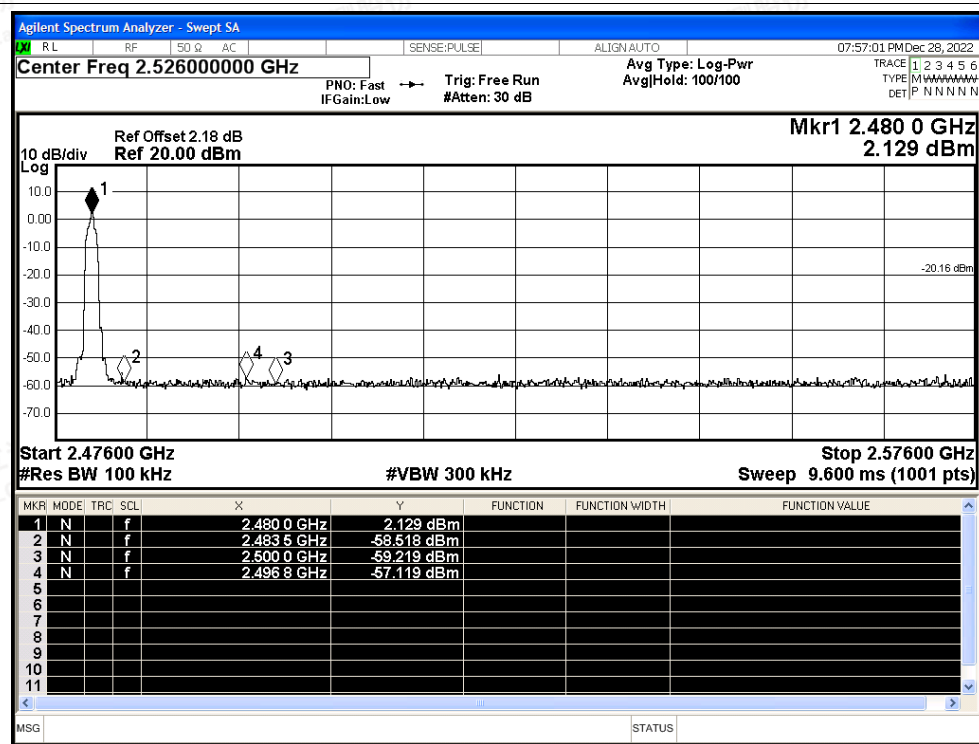




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

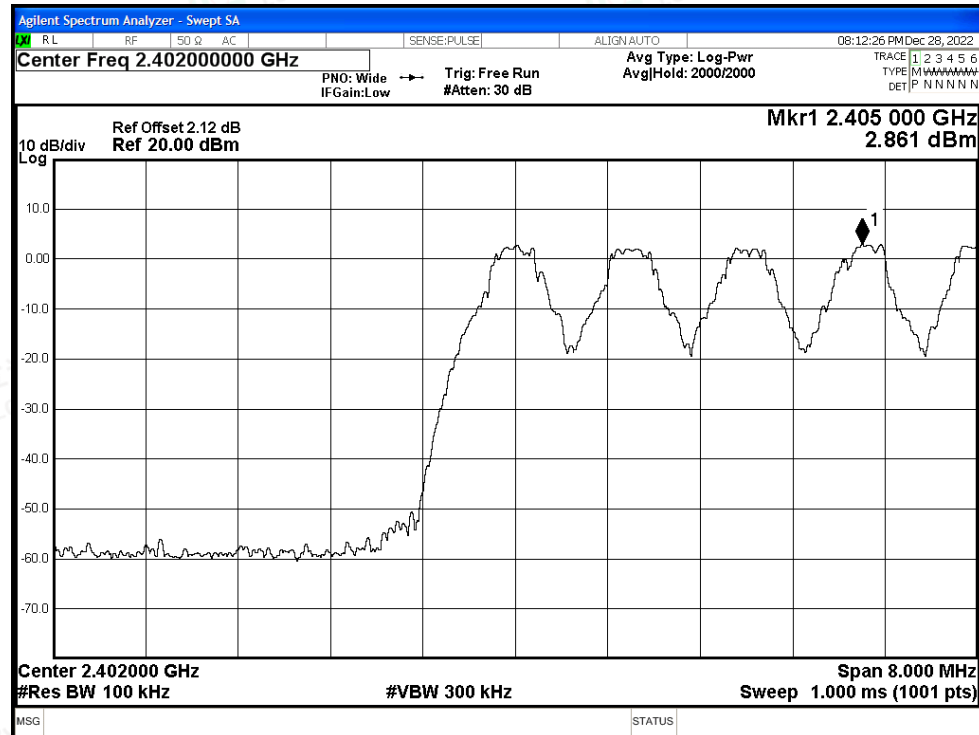
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.91	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.93	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-56.38	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-56.64	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.58	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-36.66	-20	Pass



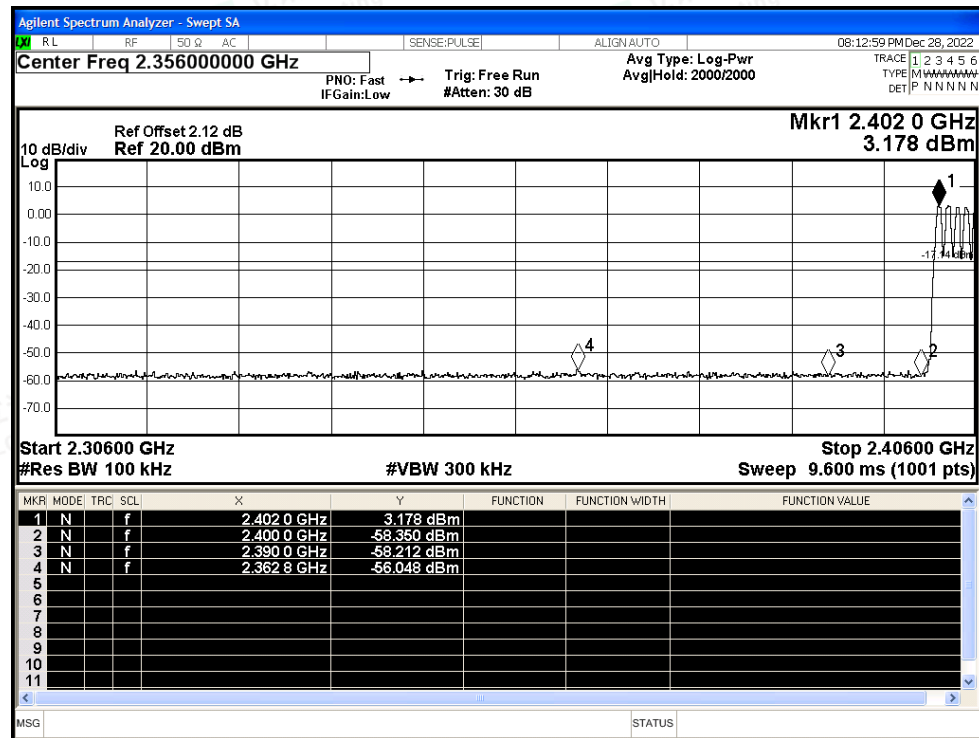


Test Graphs

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

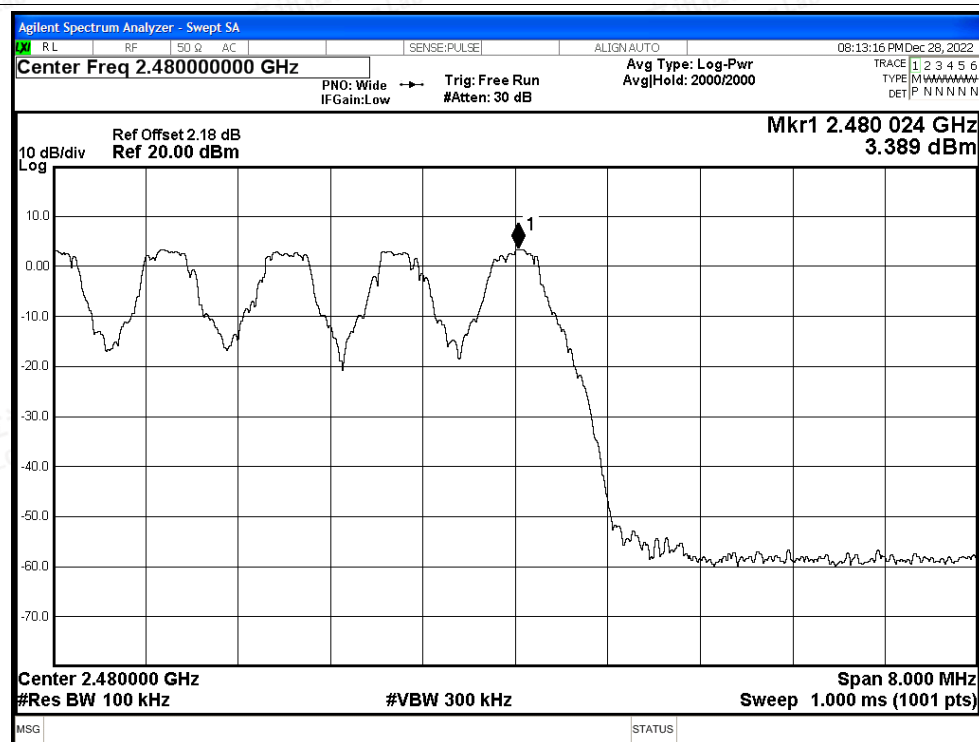


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

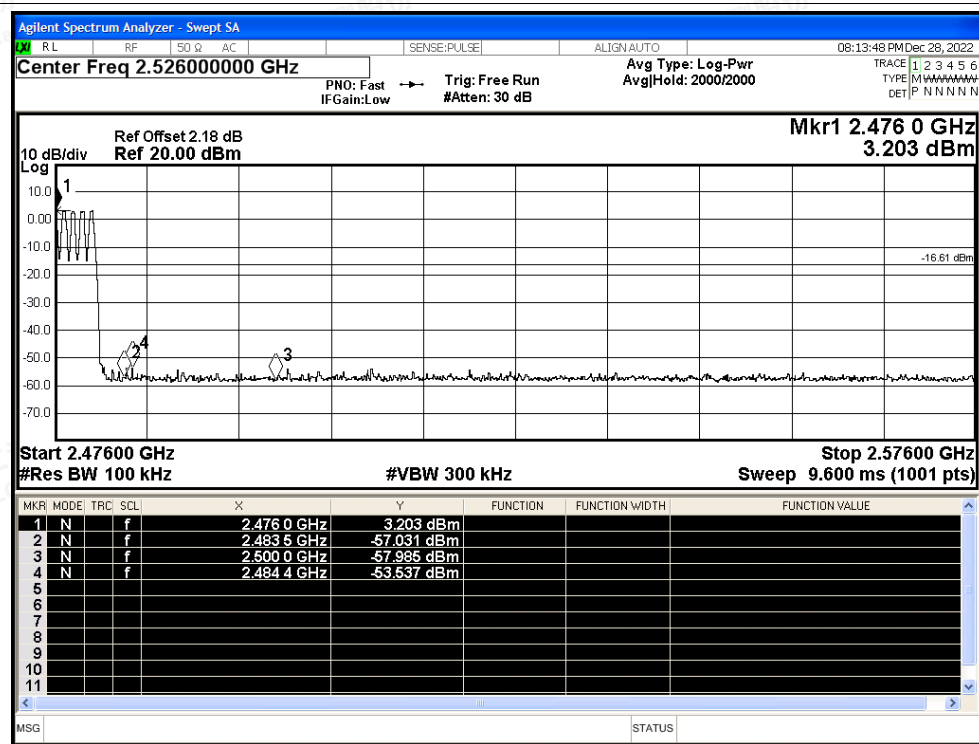




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

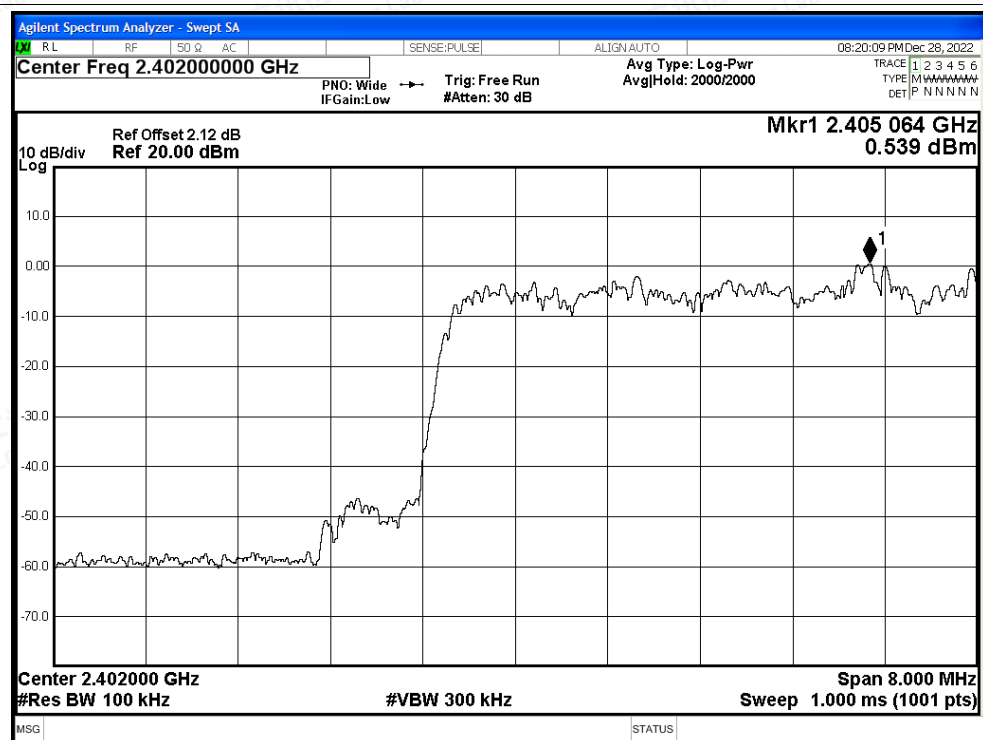


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

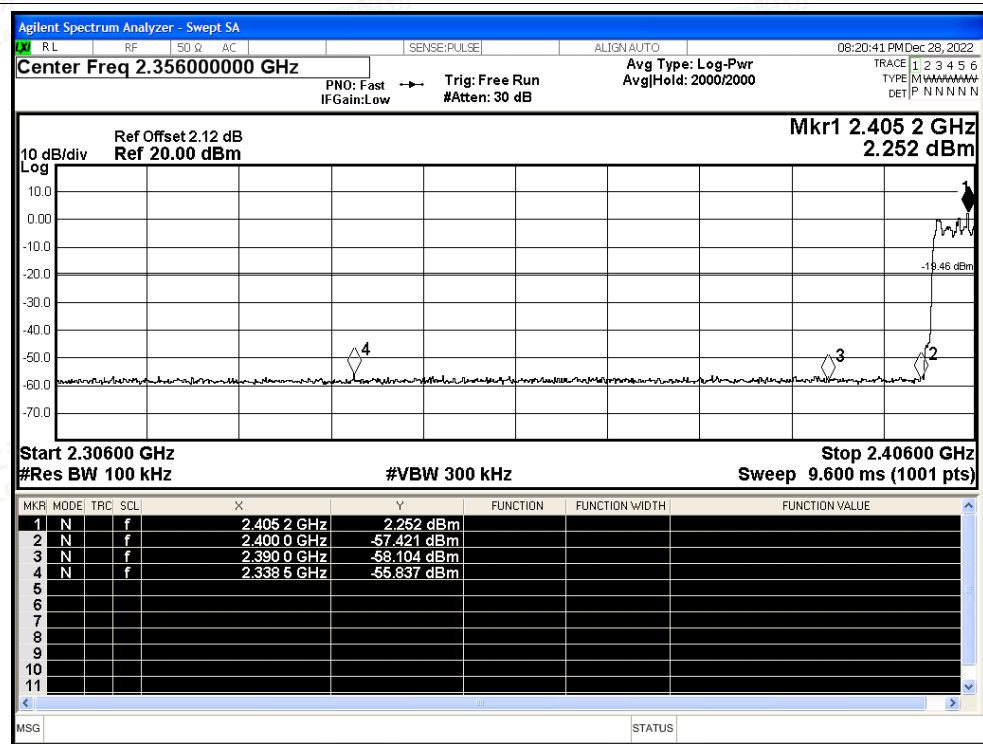




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

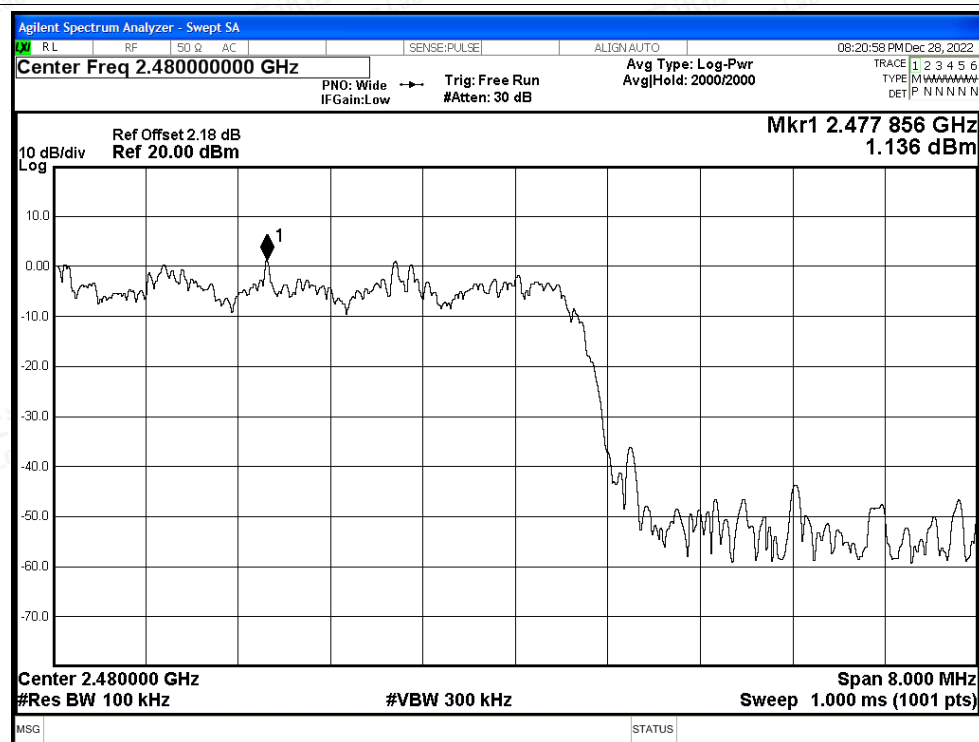


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

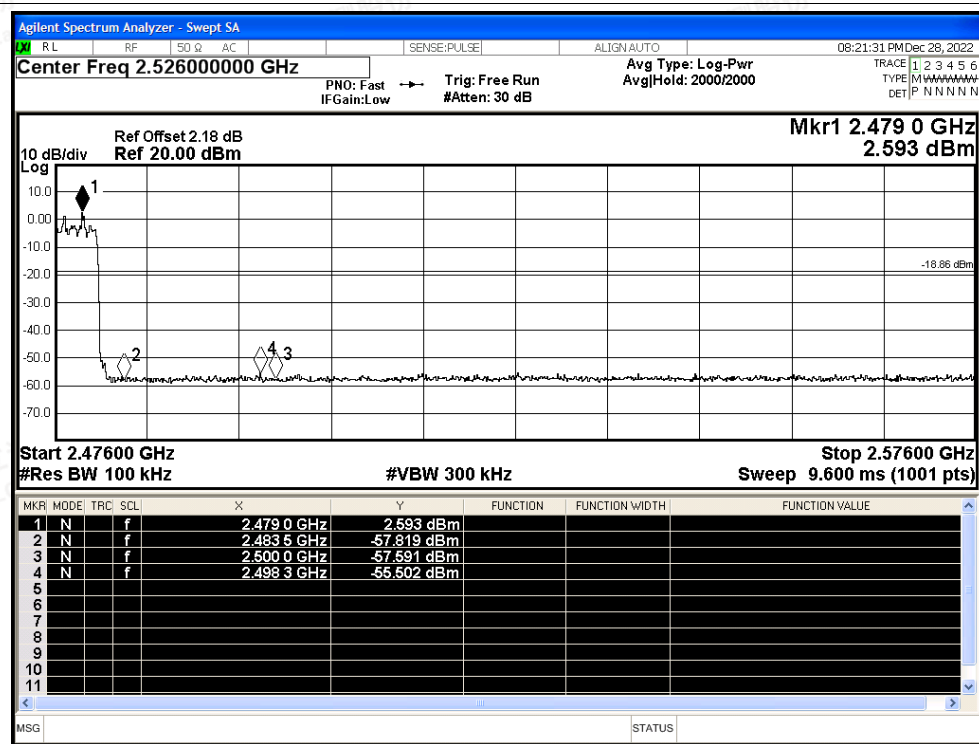




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

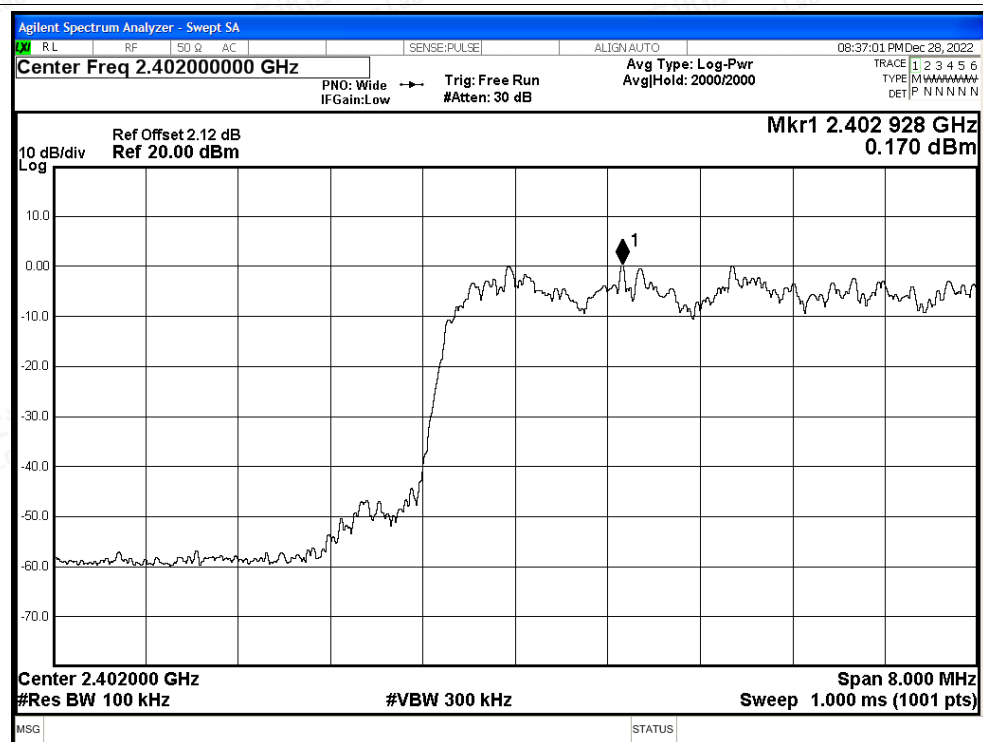


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

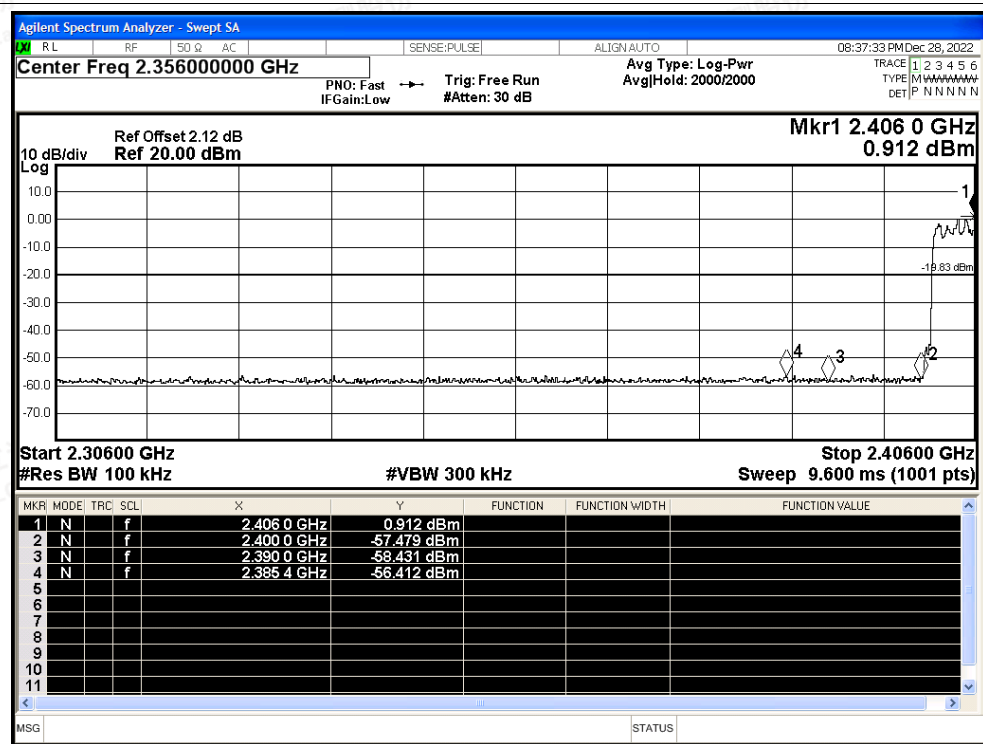




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

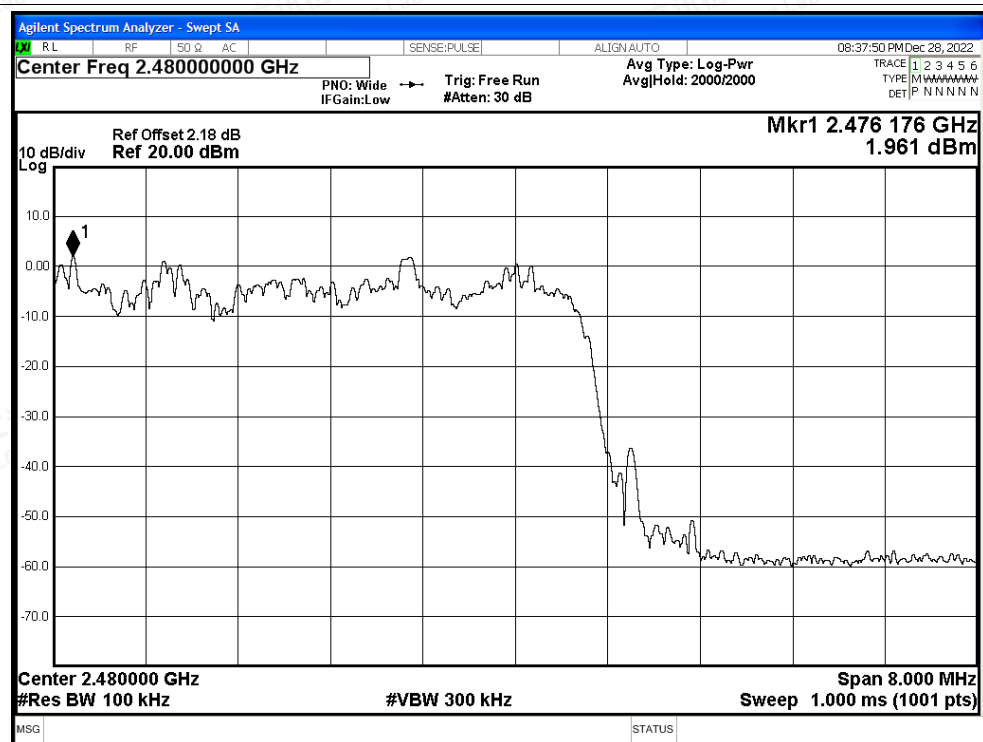


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

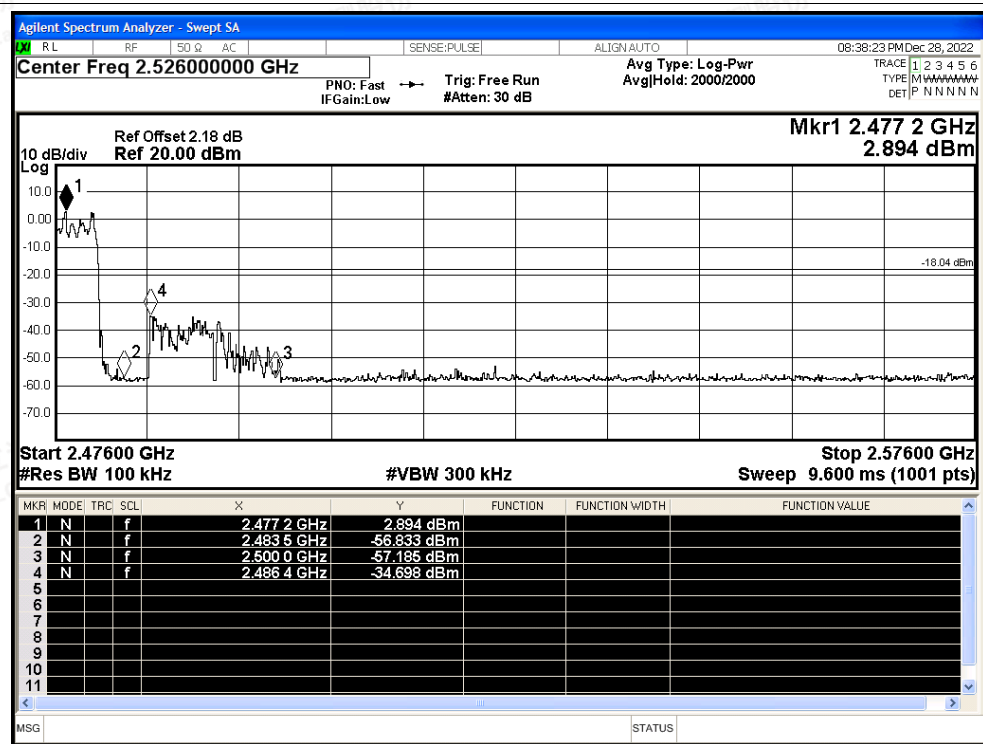




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-55.87	-20	Pass
NVNT	1-DH5	2441	Ant1	-58.64	-20	Pass
NVNT	1-DH5	2480	Ant1	-60	-20	Pass
NVNT	2-DH5	2402	Ant1	-59.14	-20	Pass
NVNT	2-DH5	2441	Ant1	-58.99	-20	Pass
NVNT	2-DH5	2480	Ant1	-58.8	-20	Pass
NVNT	3-DH5	2402	Ant1	-58.73	-20	Pass
NVNT	3-DH5	2441	Ant1	-57.35	-20	Pass
NVNT	3-DH5	2480	Ant1	-58.59	-20	Pass

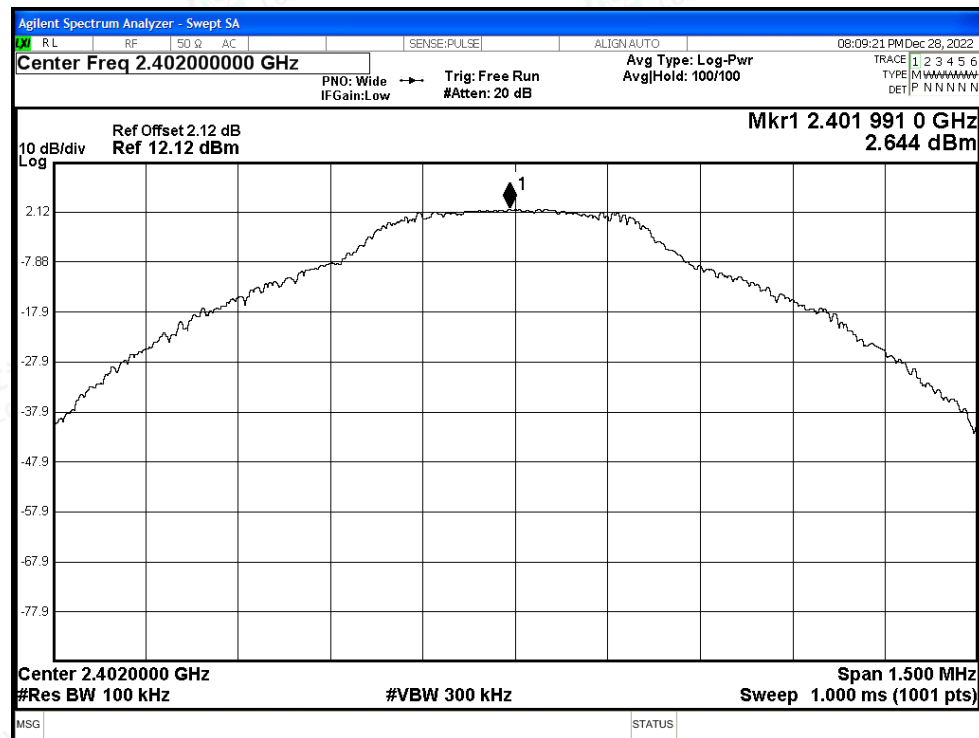


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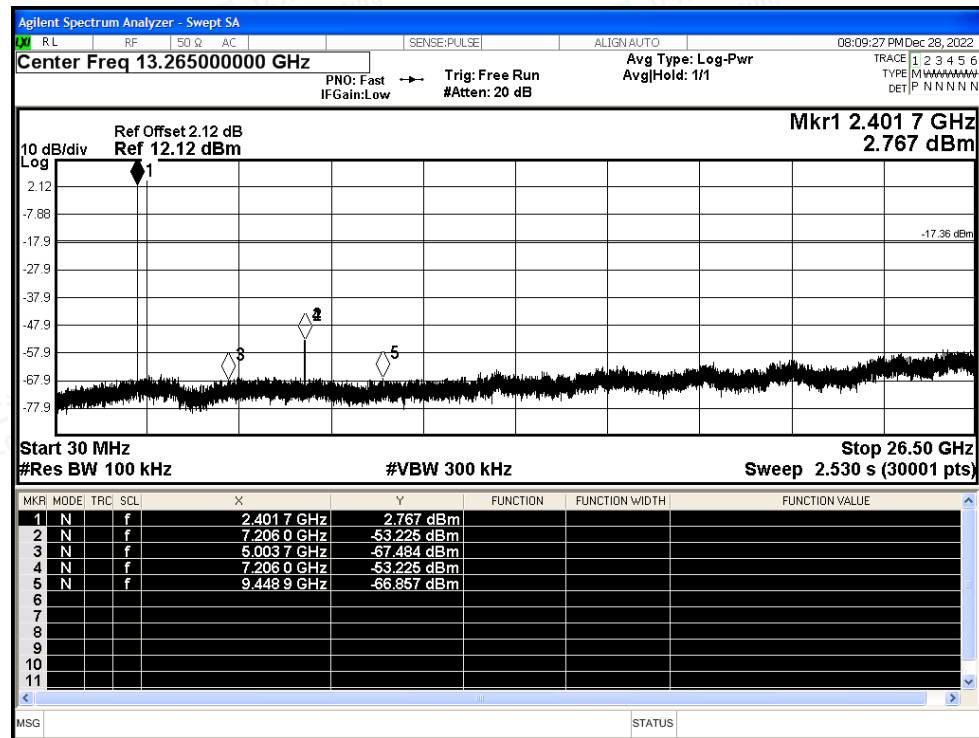


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

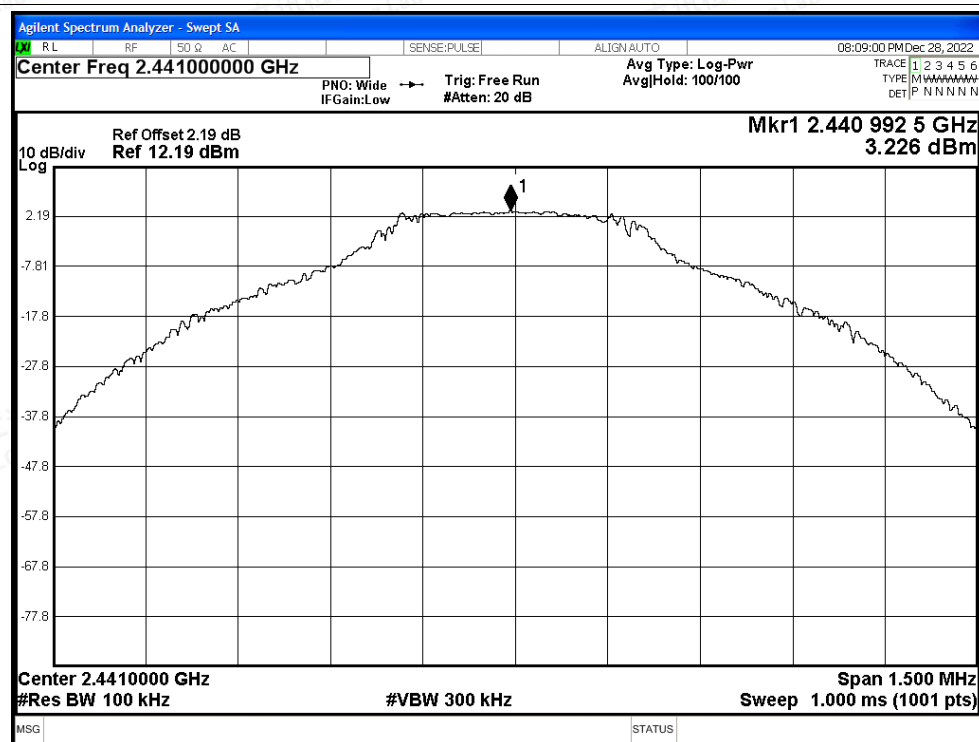


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

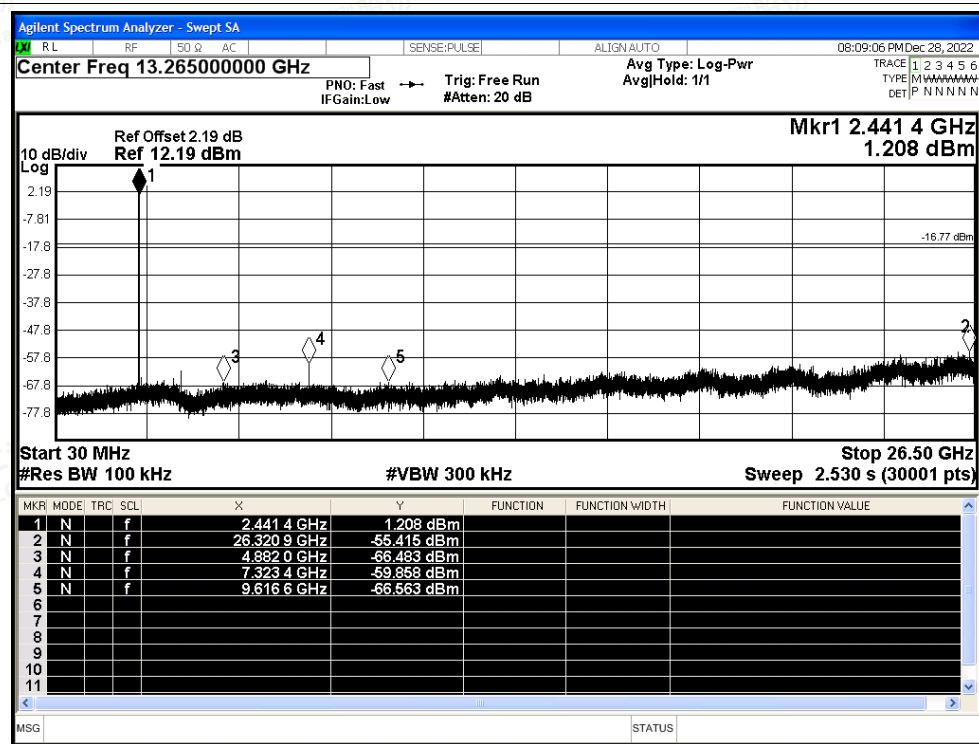




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

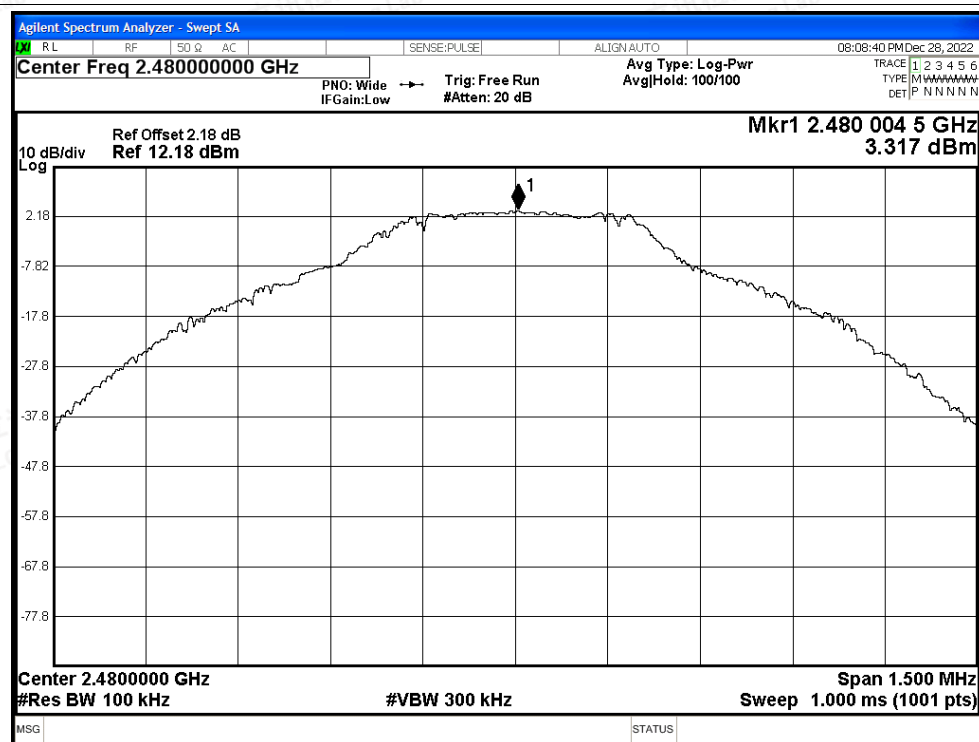


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

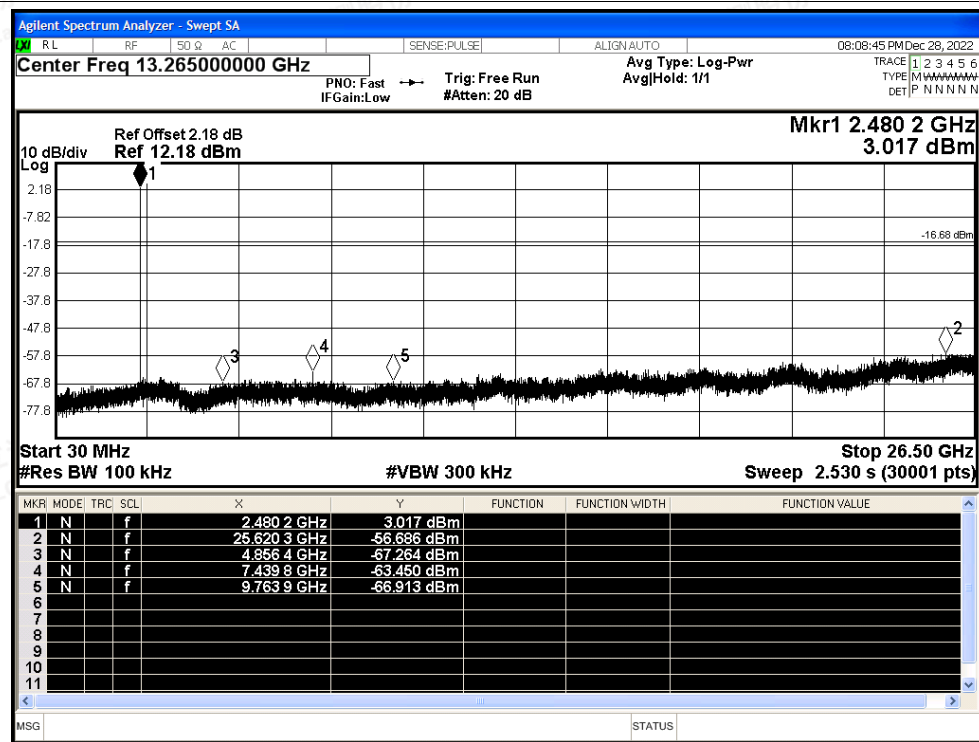




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

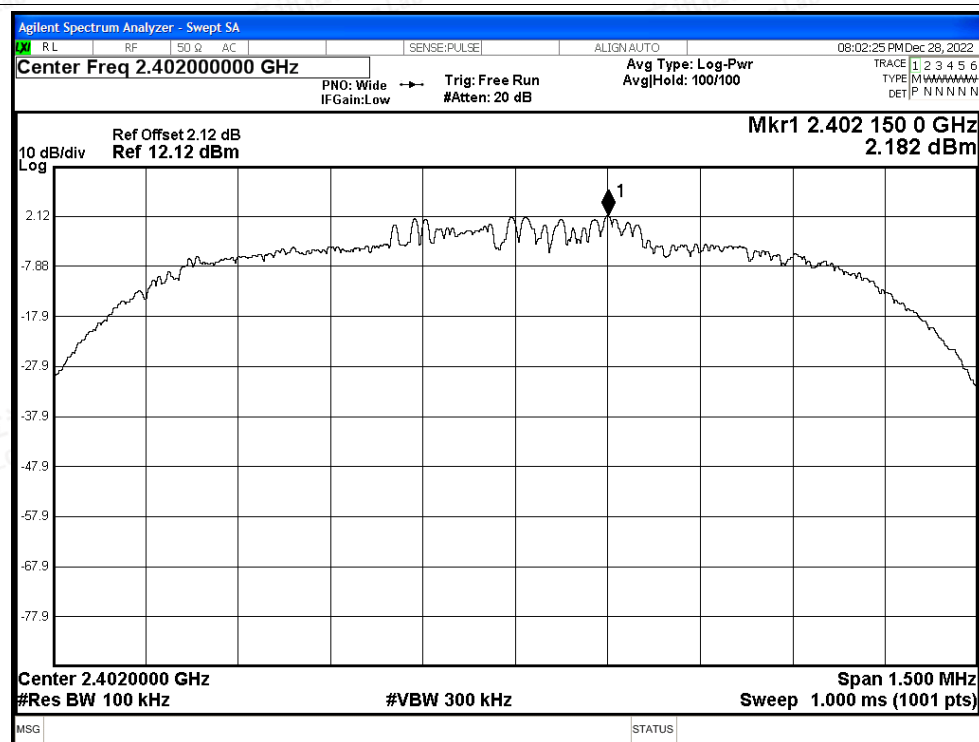


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

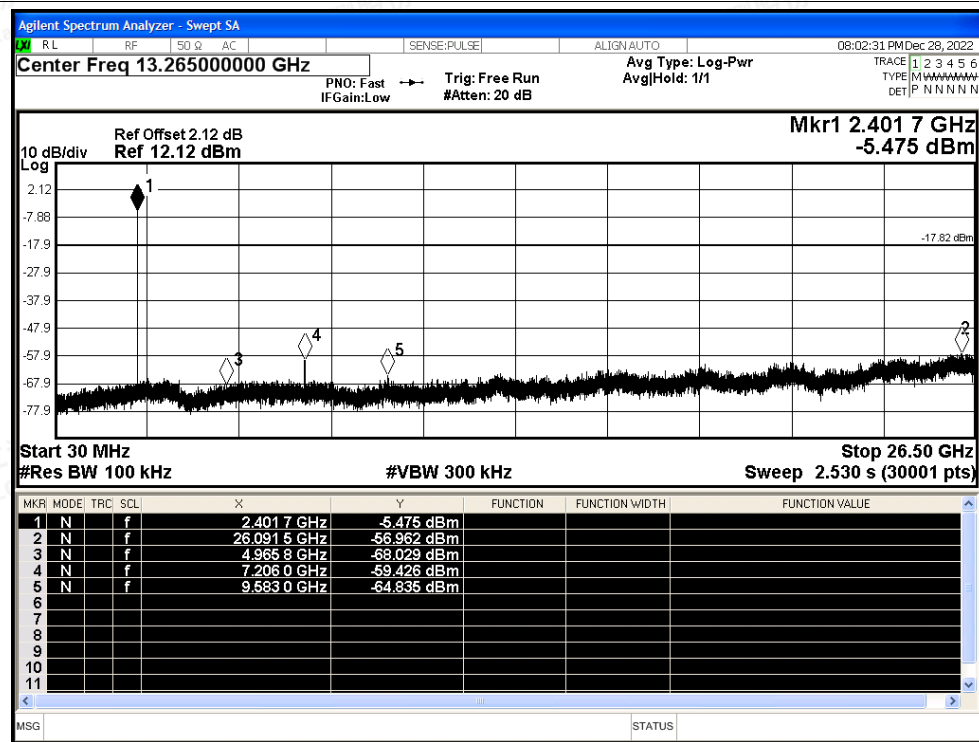




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

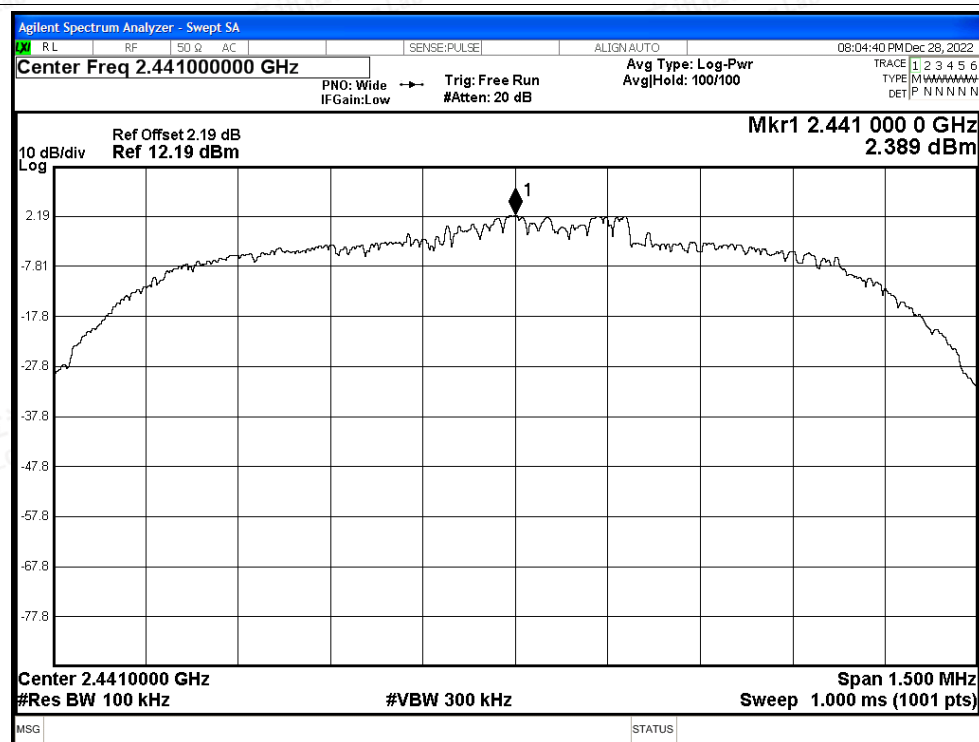


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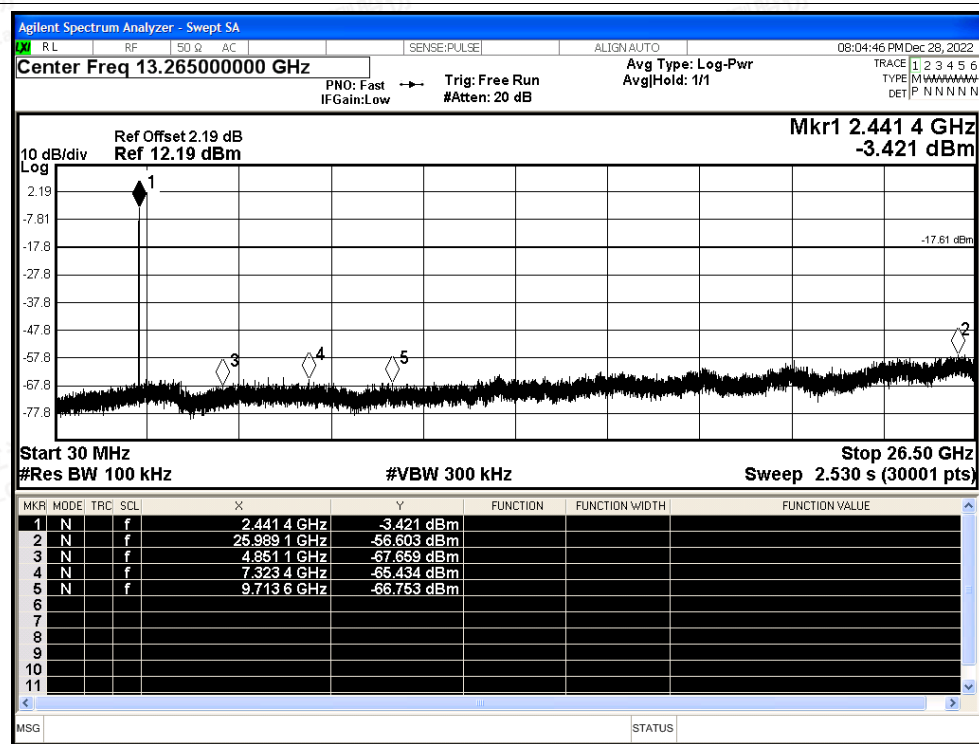




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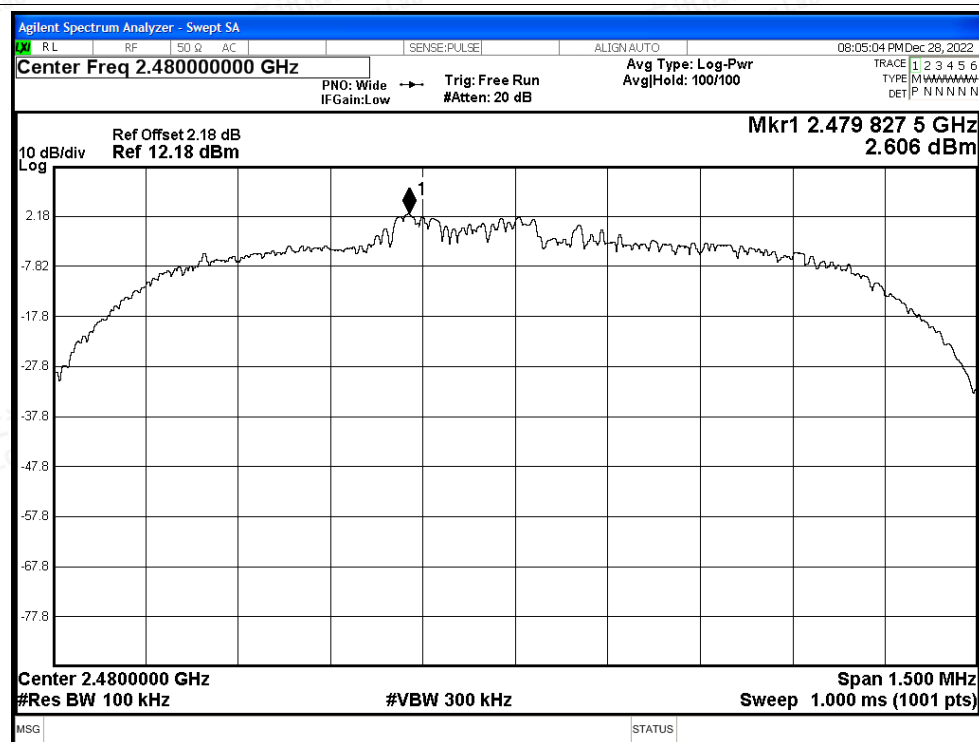


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

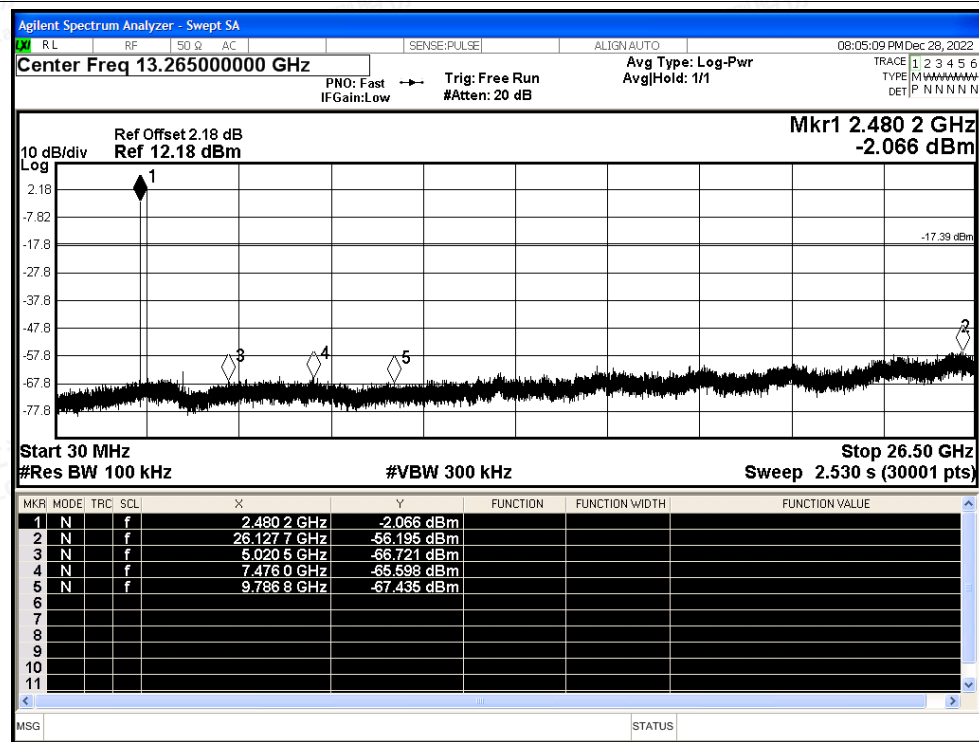




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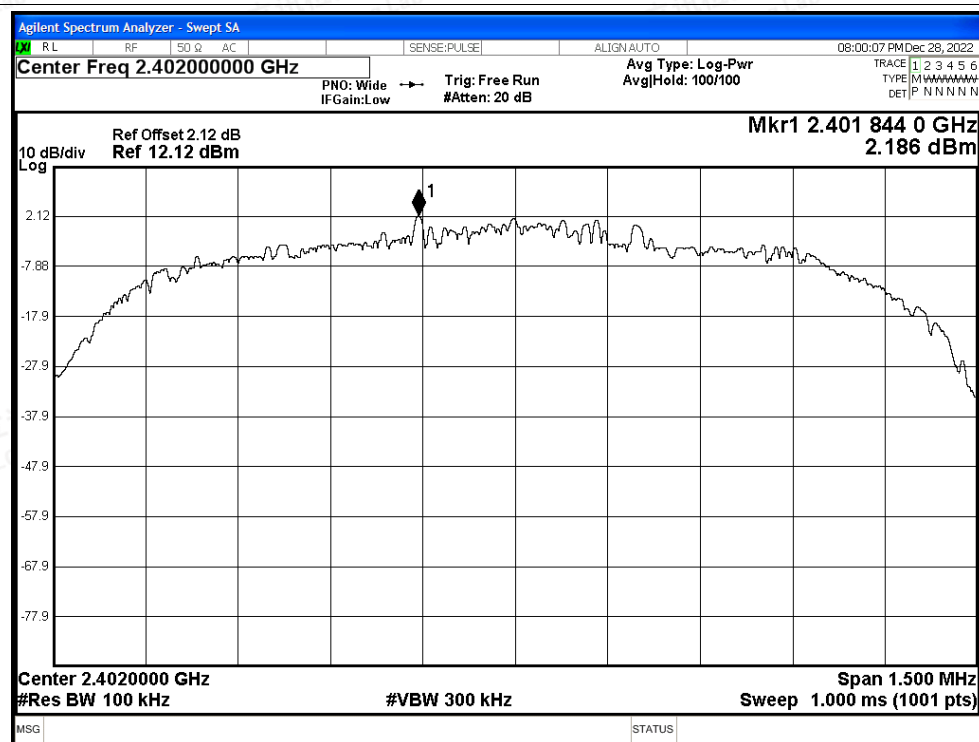


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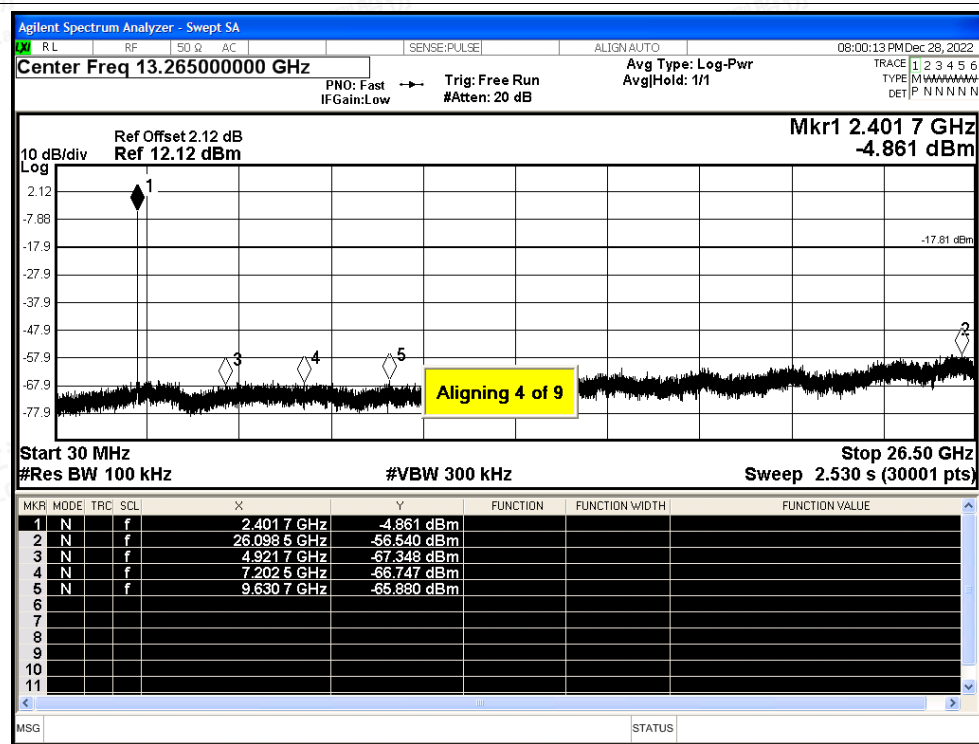




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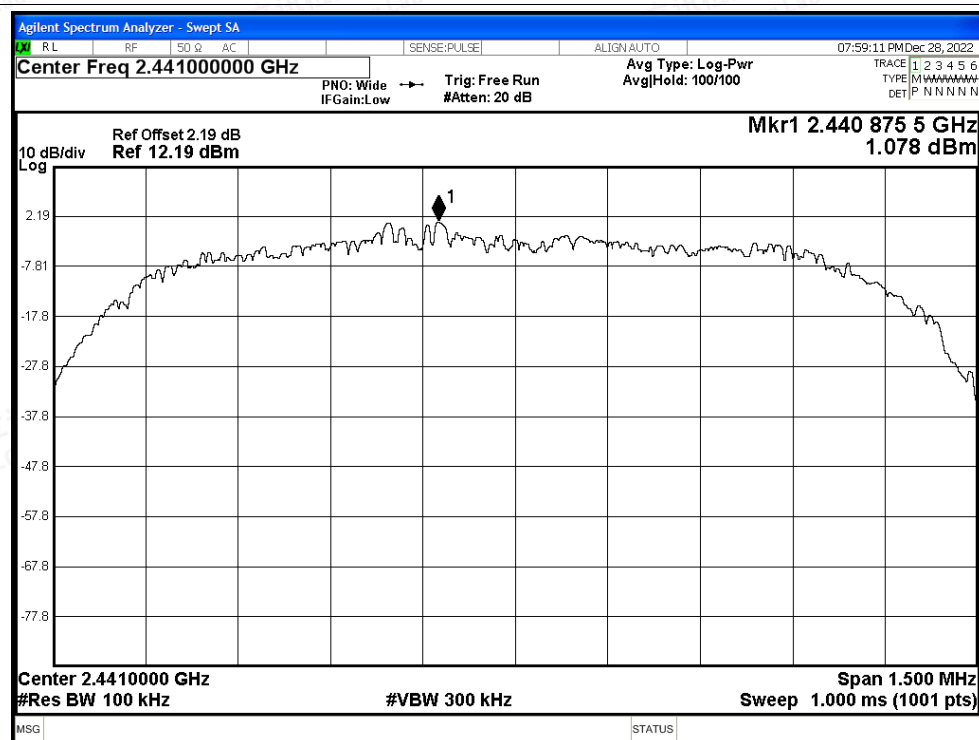


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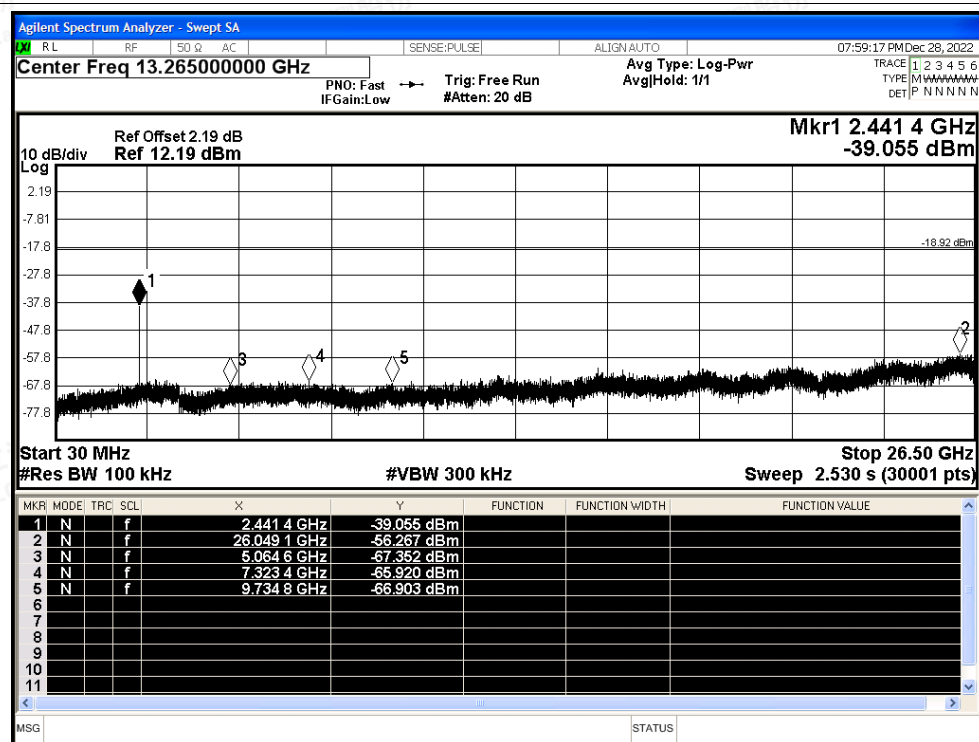




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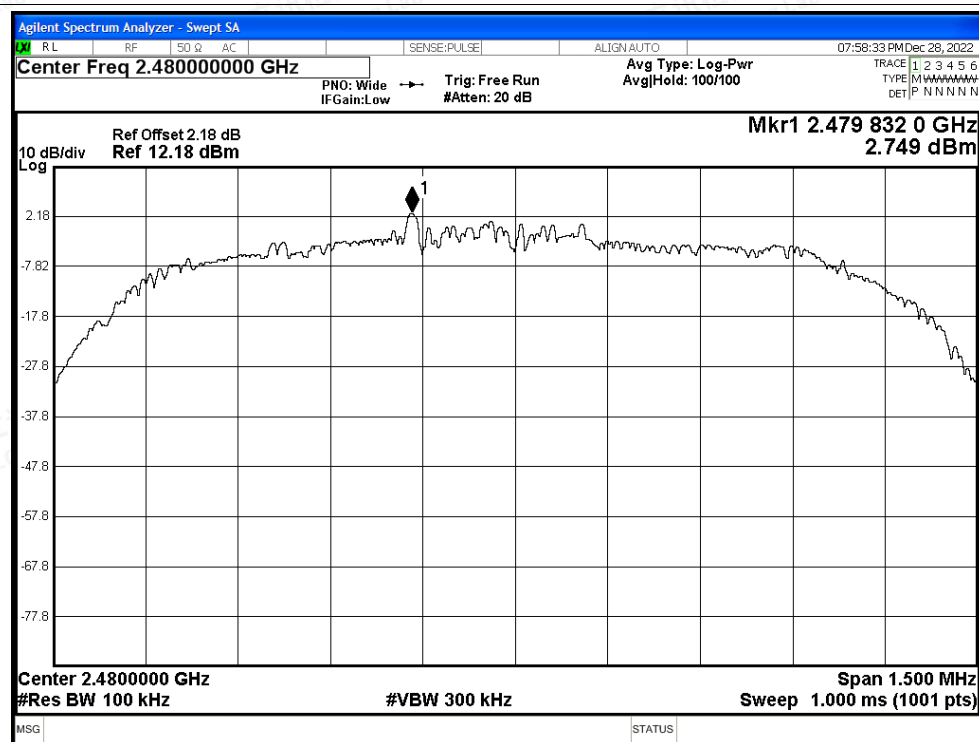


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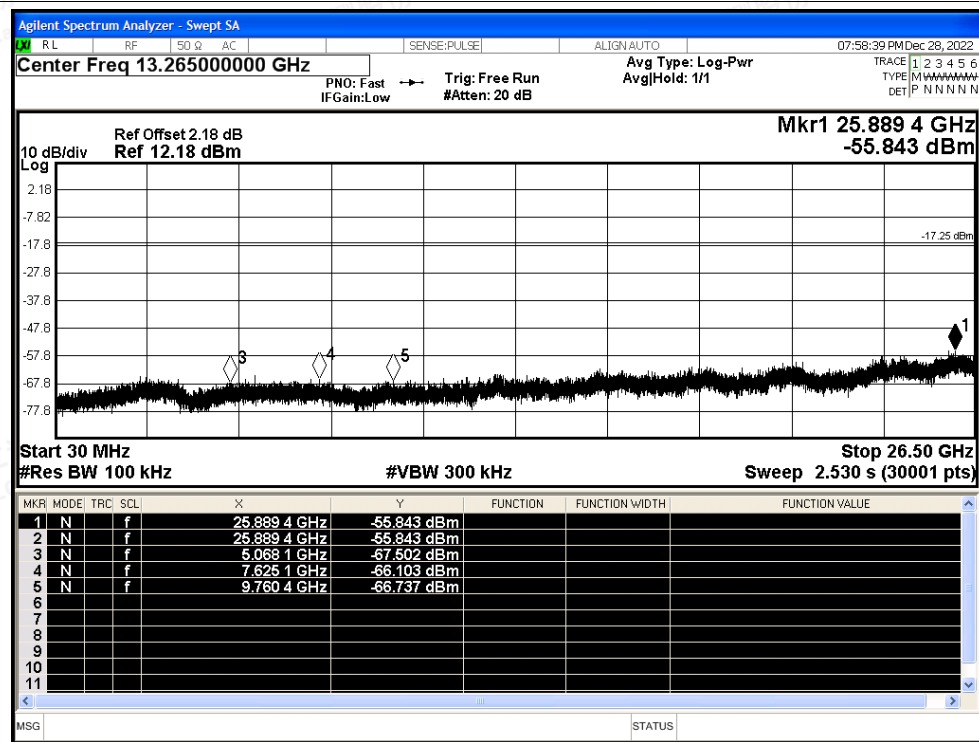




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.8 Restrict Band

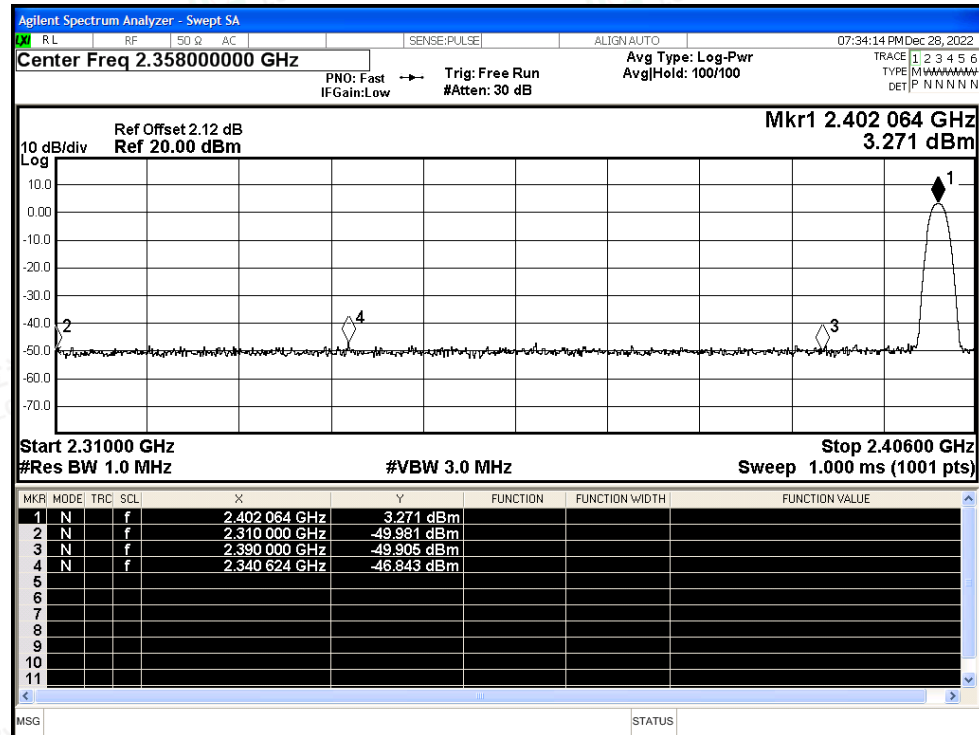
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.98	2	47.28	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.33	2	36.93	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2340.624	-46.84	2	50.42	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2383.824	-59.77	2	37.49	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-49.91	2	47.35	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.95	2	37.31	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-48.93	2	48.33	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-58.95	2	38.31	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2490.928	-46.27	2	50.99	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.56	-58.85	2	38.41	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.53	2	45.73	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-59.71	2	37.55	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.12	2	45.14	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.31	2	36.95	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2382.384	-47.83	2	49.43	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2386.992	-59.75	2	37.51	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.64	2	47.62	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.79	2	37.47	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.44	2	47.82	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-54.58	2	42.68	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2485.504	-25.85	2	71.41	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.016	-54.31	2	42.95	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.57	2	47.69	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.64	2	37.62	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.44	2	45.82	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.47	2	36.79	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2345.712	-47.61	2	49.65	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2388.24	-59.75	2	37.51	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.28	2	45.98	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.86	2	37.4	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.03	2	47.23	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-59.12	2	38.14	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2489.008	-46.25	2	51.01	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.536	-59	2	38.26	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.6	2	47.66	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-59.73	2	37.53	Average	54	Pass



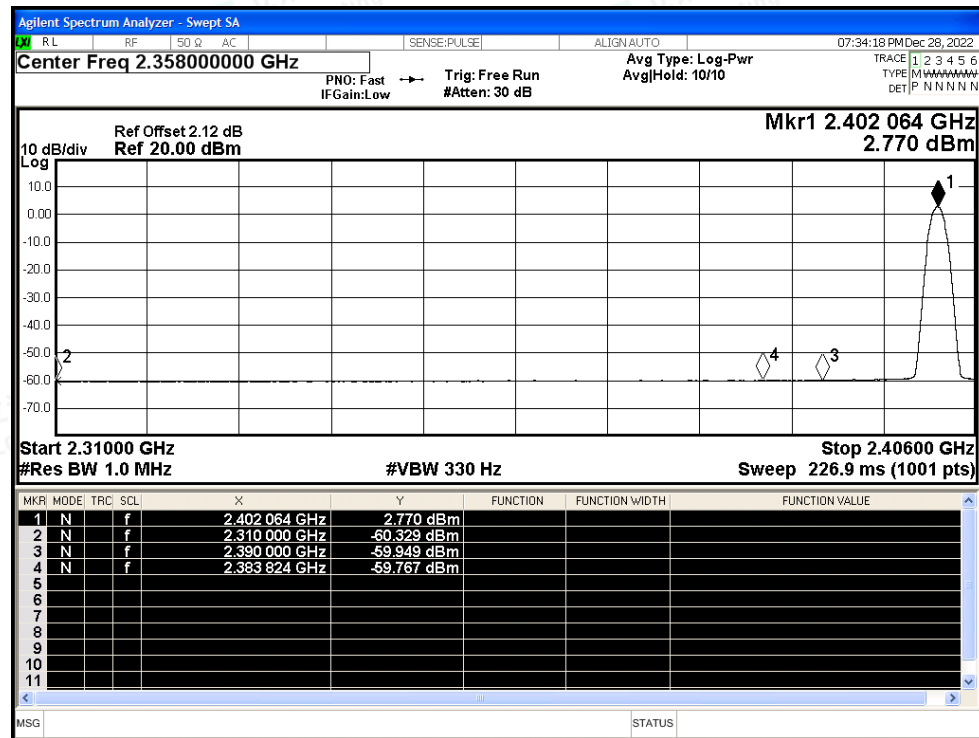


Test Graphs

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

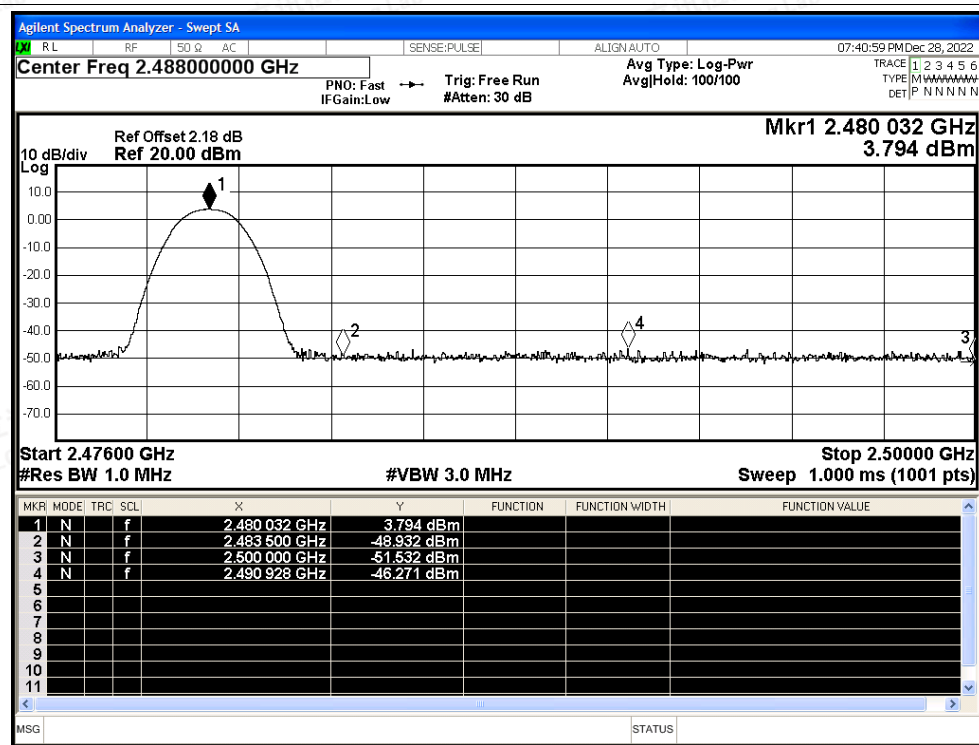


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

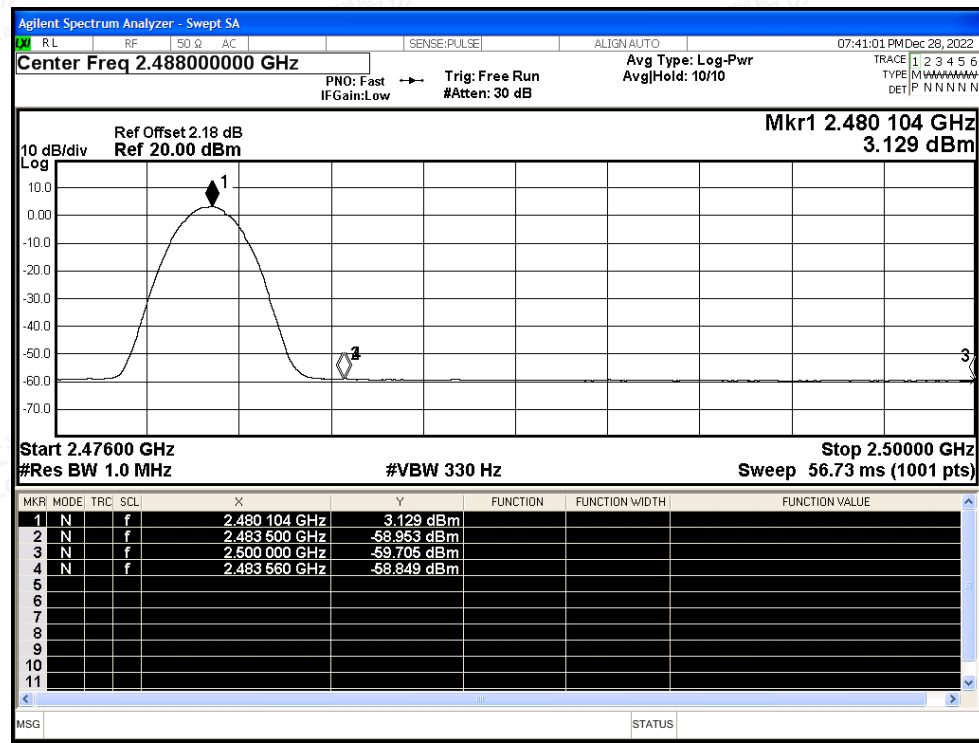




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

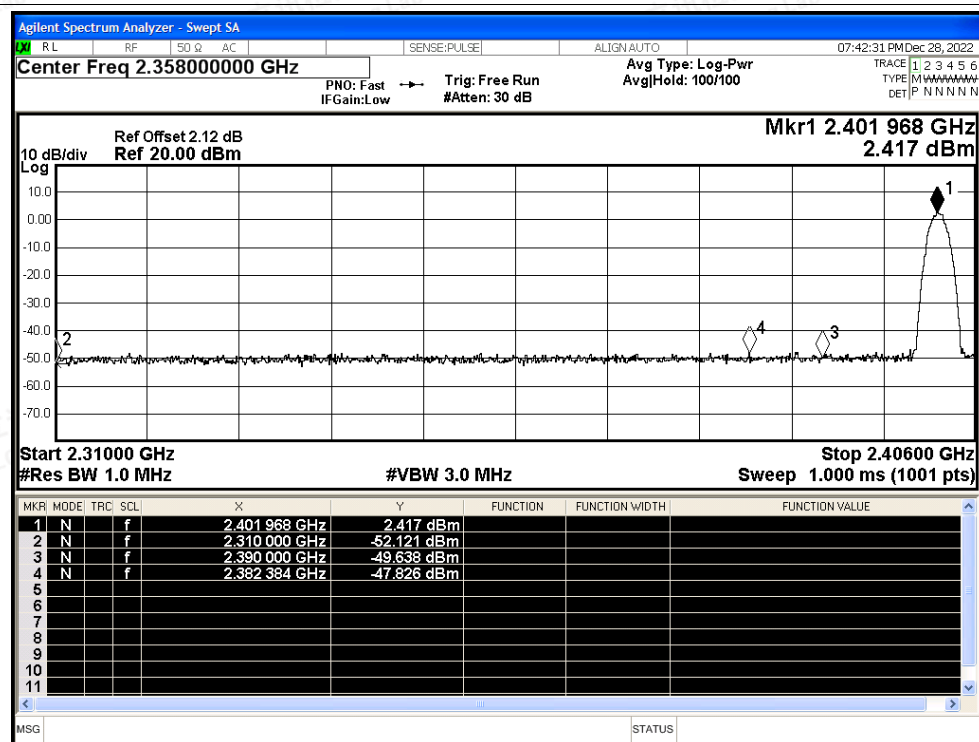


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

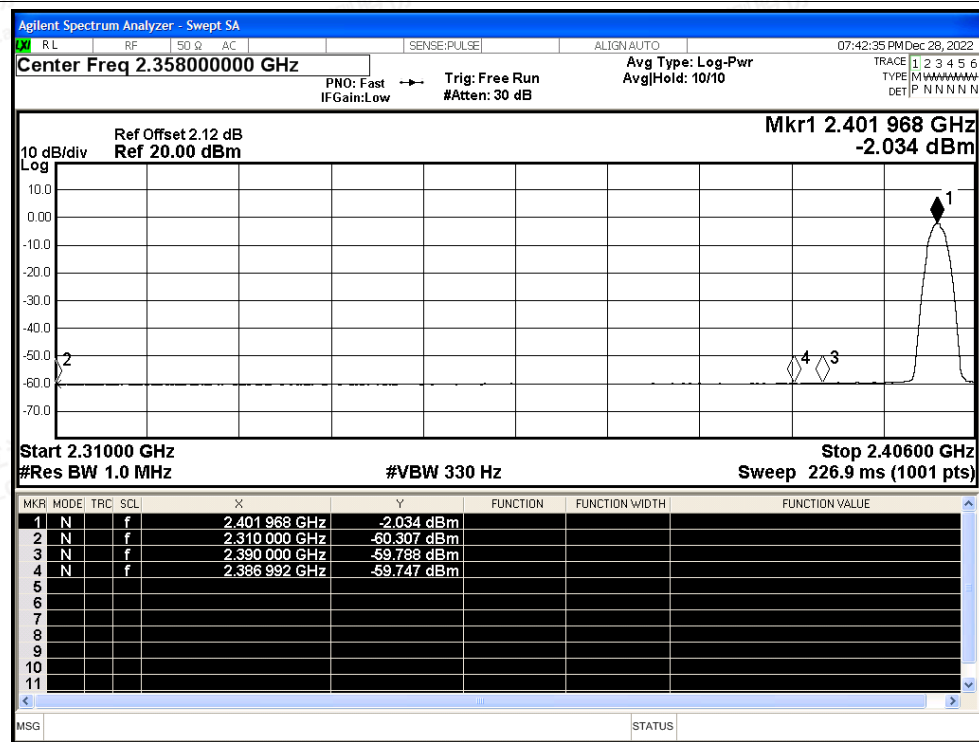




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

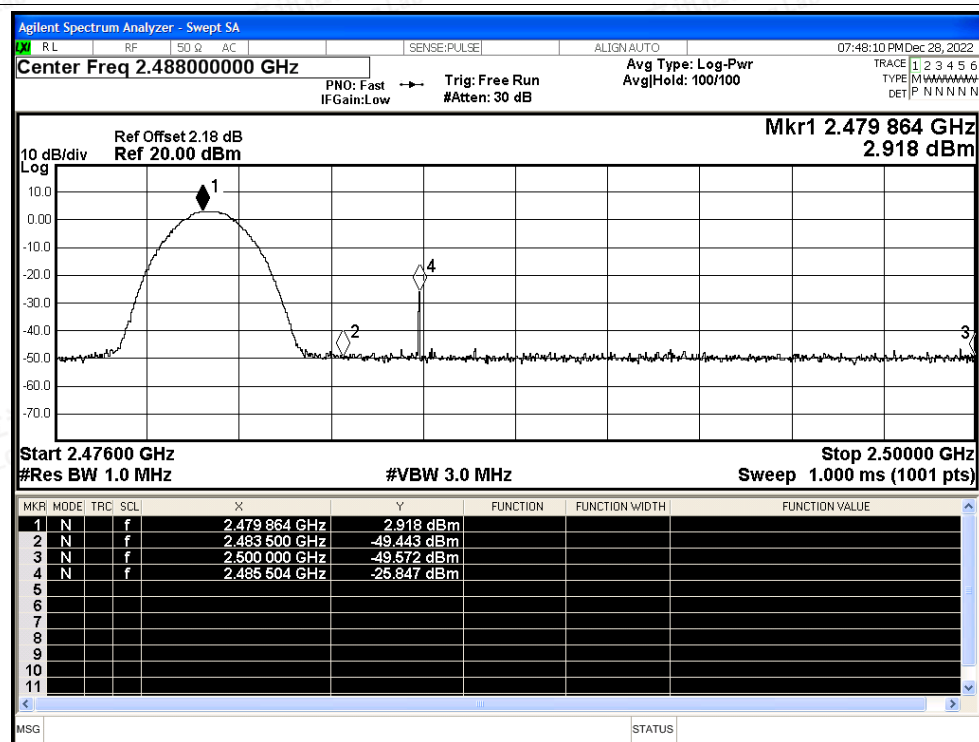


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

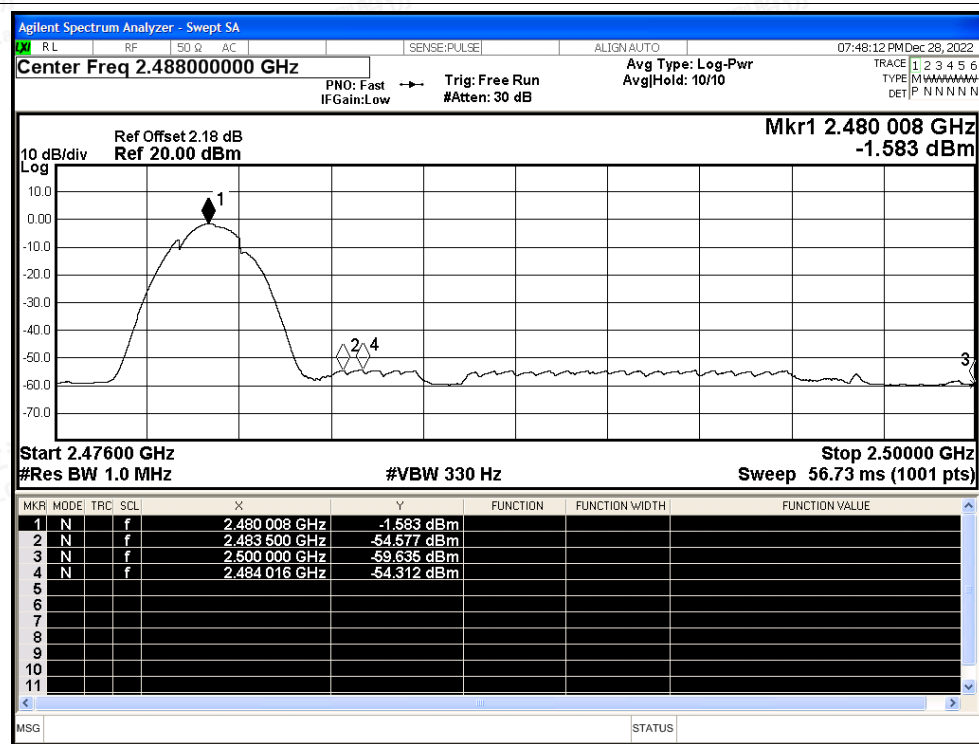




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

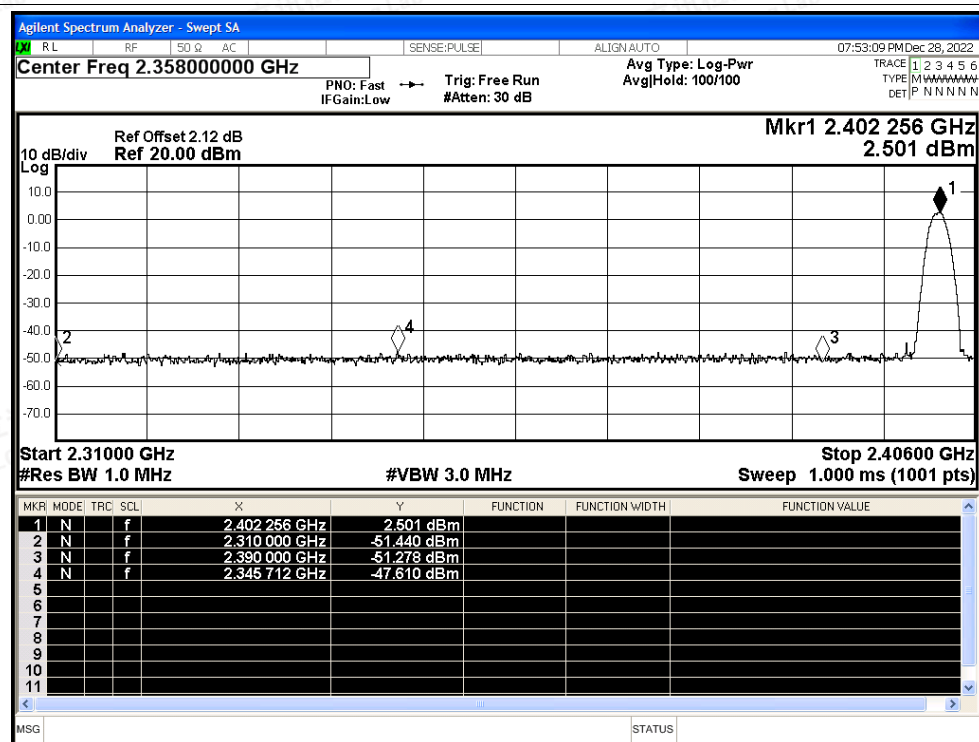


Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average

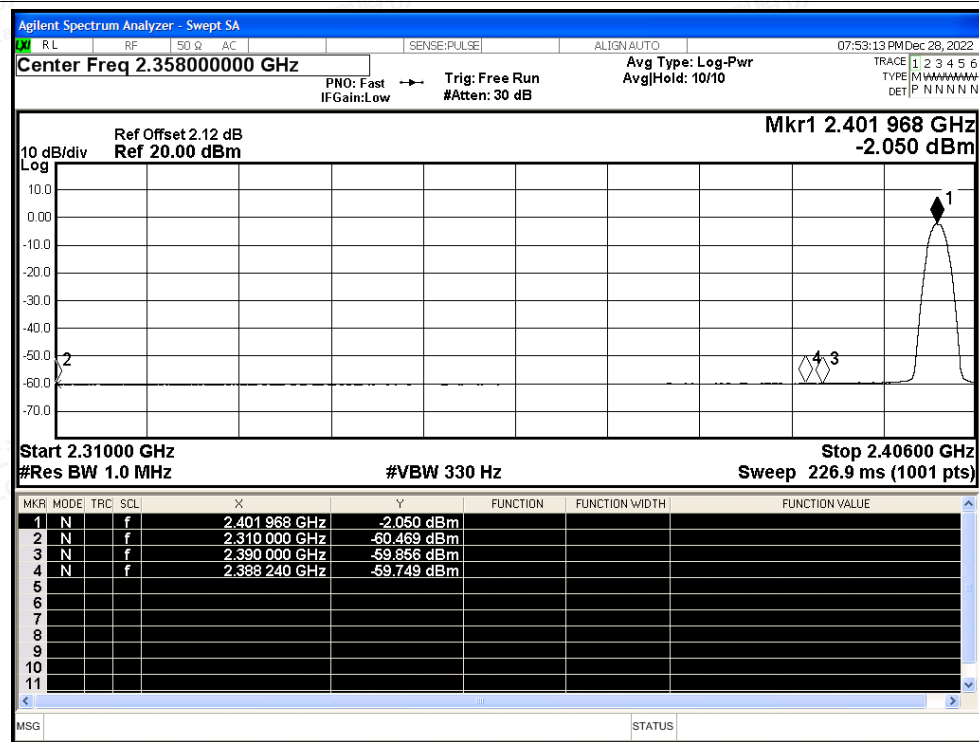




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

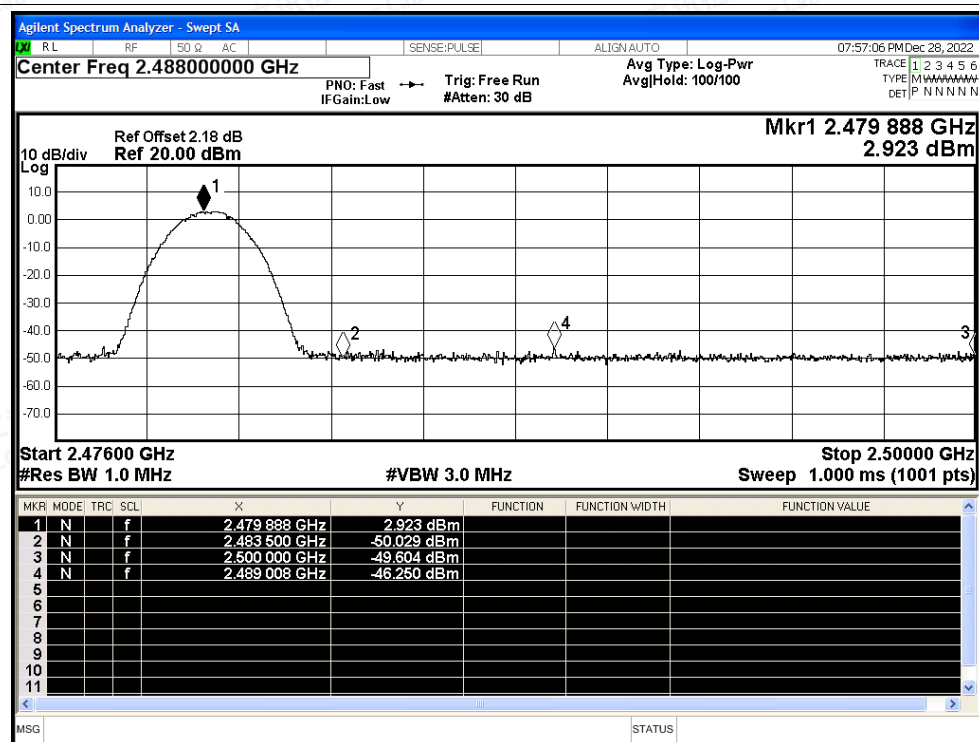


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

