



Appendix A

RF Test Data for BT(Conducted Measurement)

Product Name: Tablet PC

Test Model: S38

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
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	0.956	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.948	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.034	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	1.278	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.292	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.302	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.299	N/A	Pass



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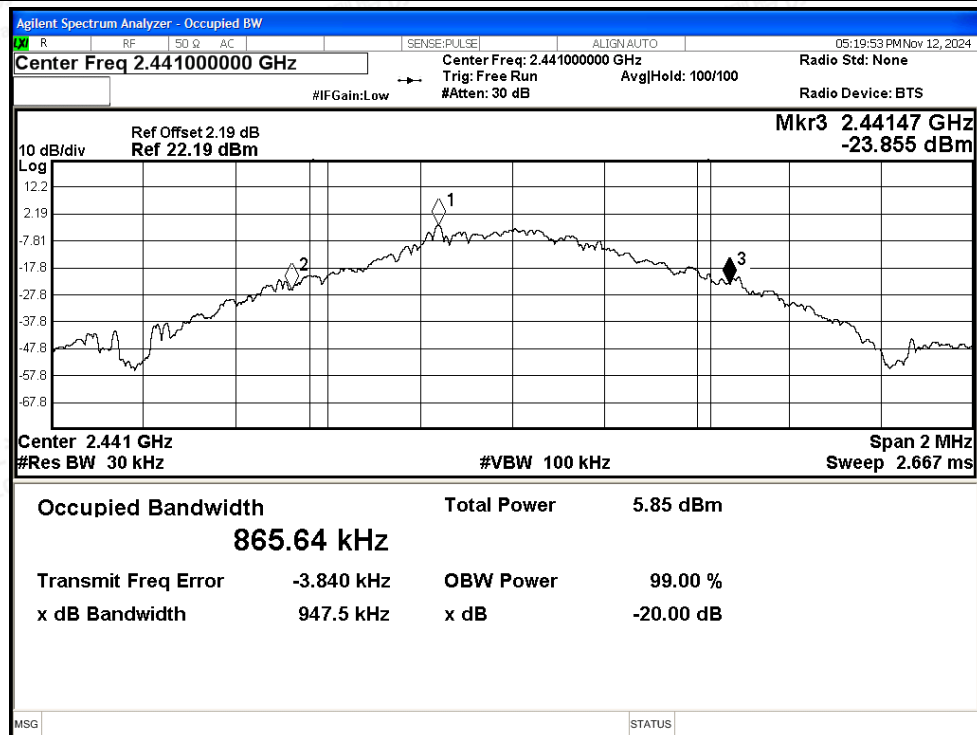


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

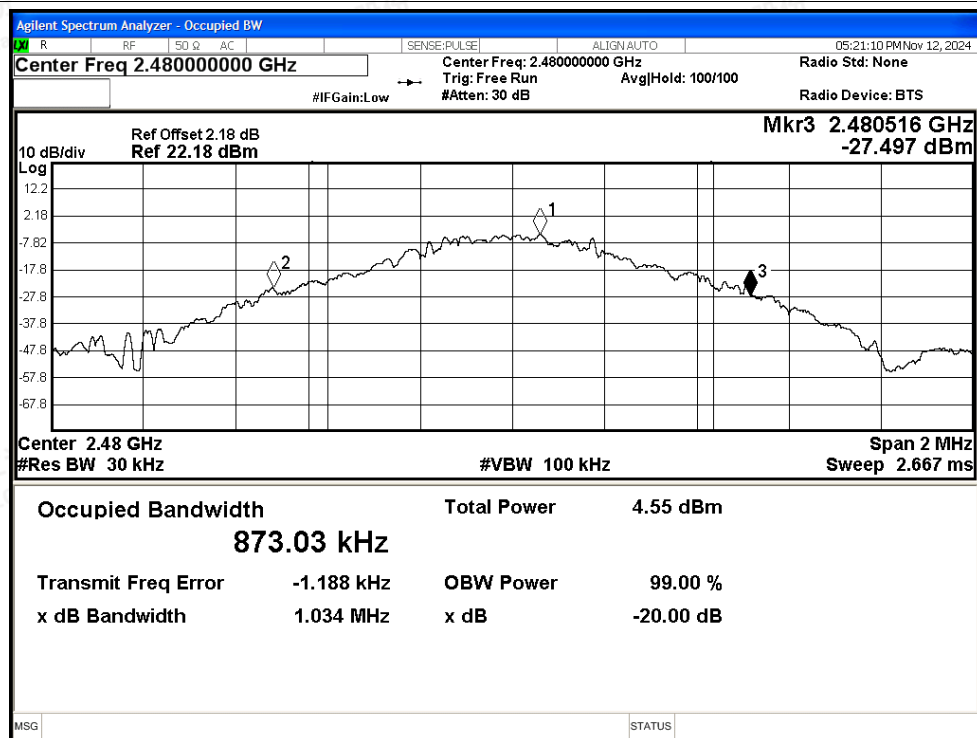


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

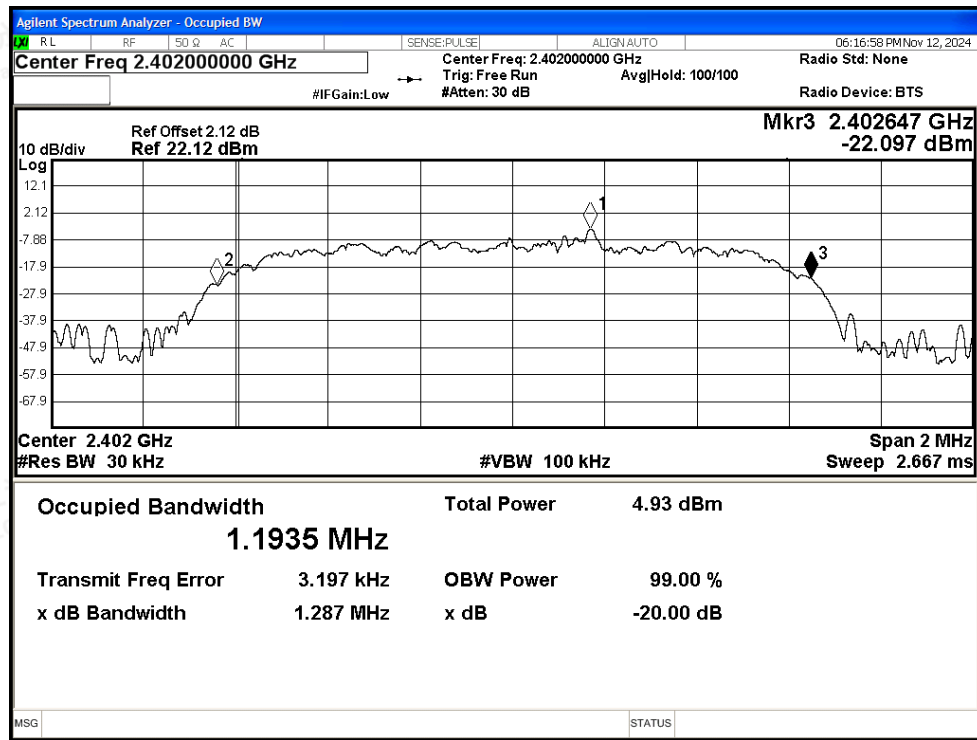




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

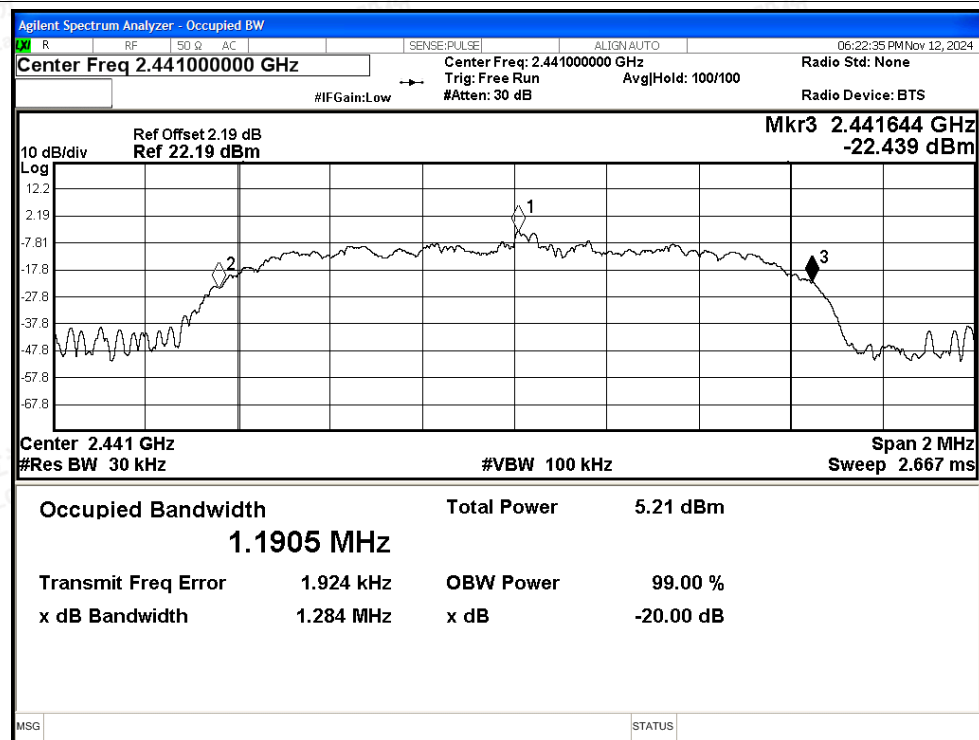


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

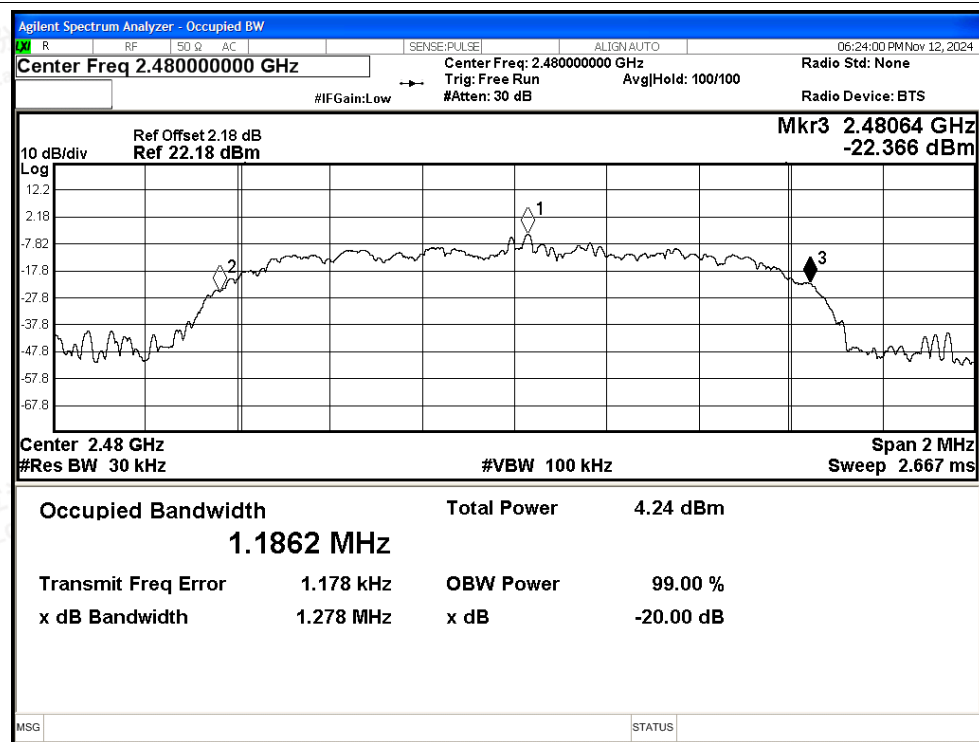




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

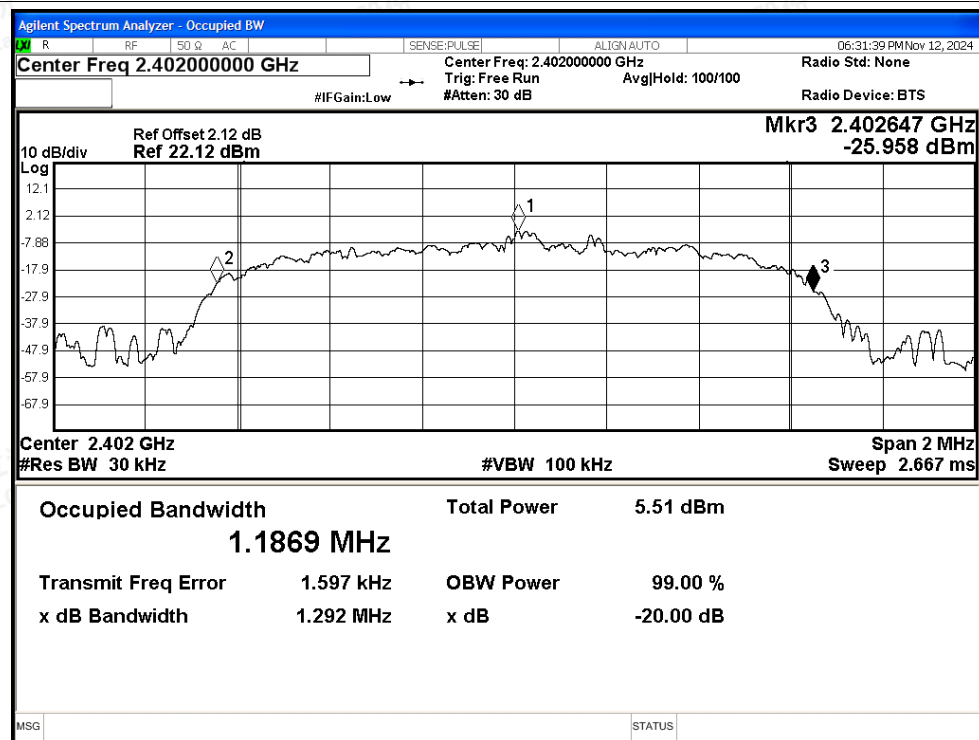


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

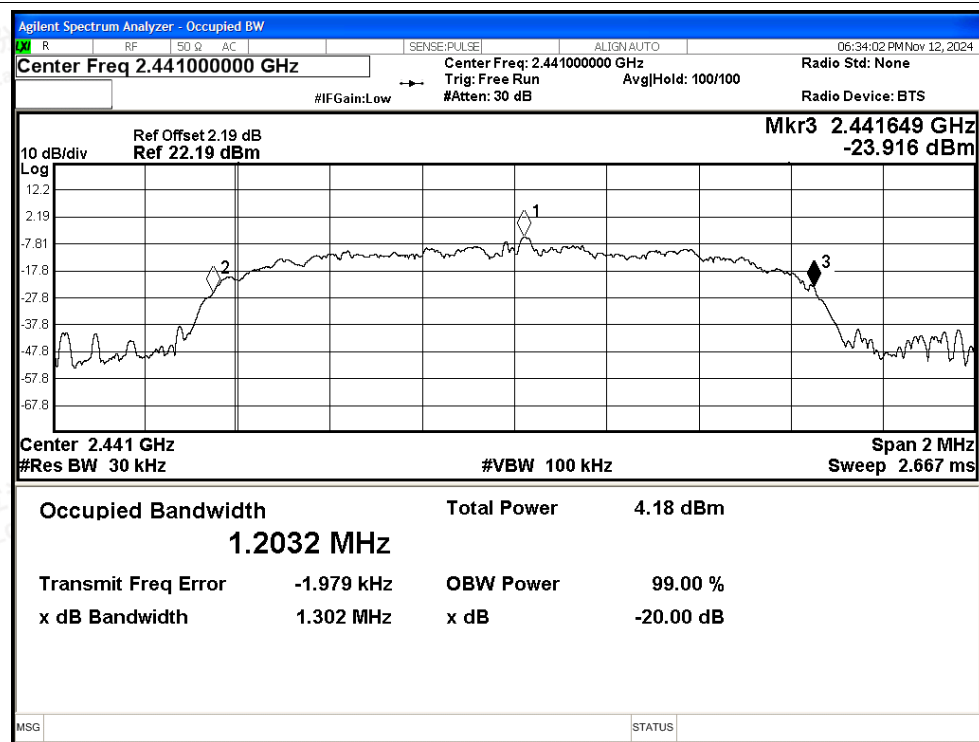


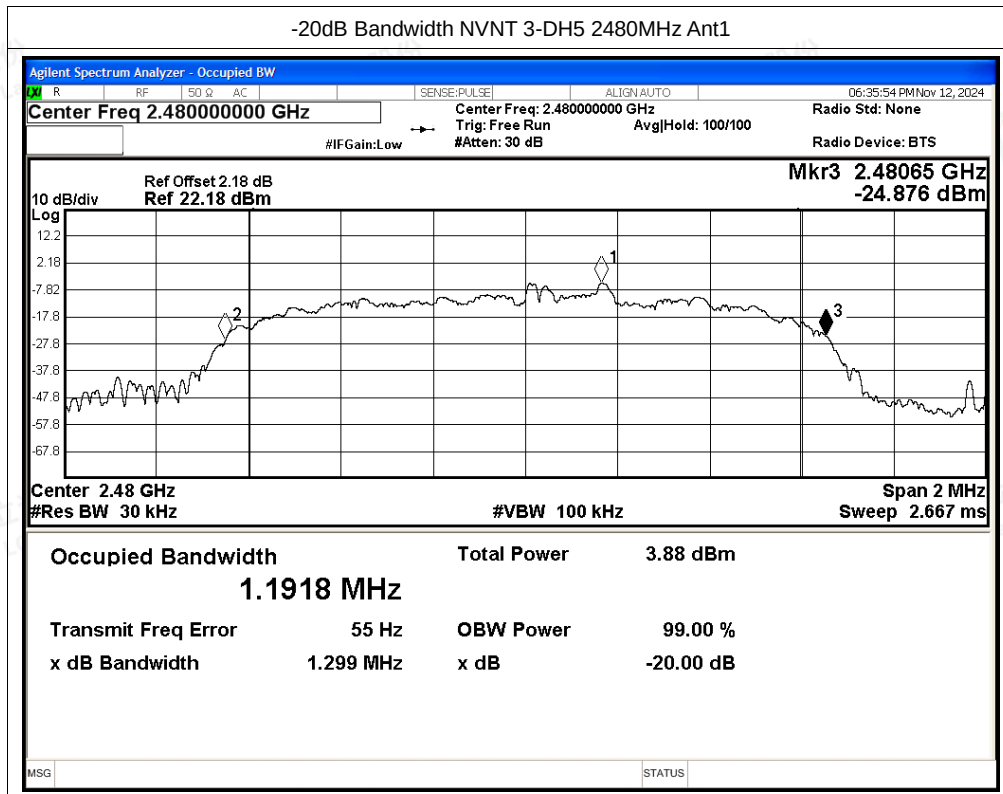


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.83	21	Pass
NVNT	1-DH5	2441	Ant1	-0.33	21	Pass
NVNT	1-DH5	2480	Ant1	-1.45	21	Pass
NVNT	2-DH5	2402	Ant1	0.97	21	Pass
NVNT	2-DH5	2441	Ant1	0.94	21	Pass
NVNT	2-DH5	2480	Ant1	0.03	21	Pass
NVNT	3-DH5	2402	Ant1	1.35	21	Pass
NVNT	3-DH5	2441	Ant1	0.59	21	Pass
NVNT	3-DH5	2480	Ant1	-0.46	21	Pass

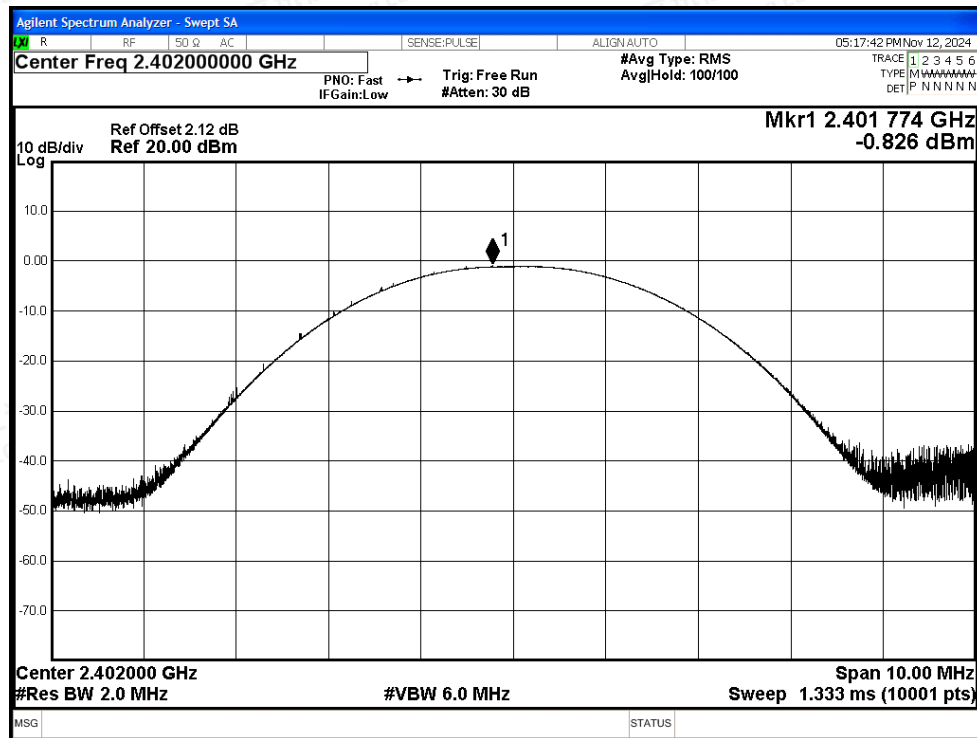


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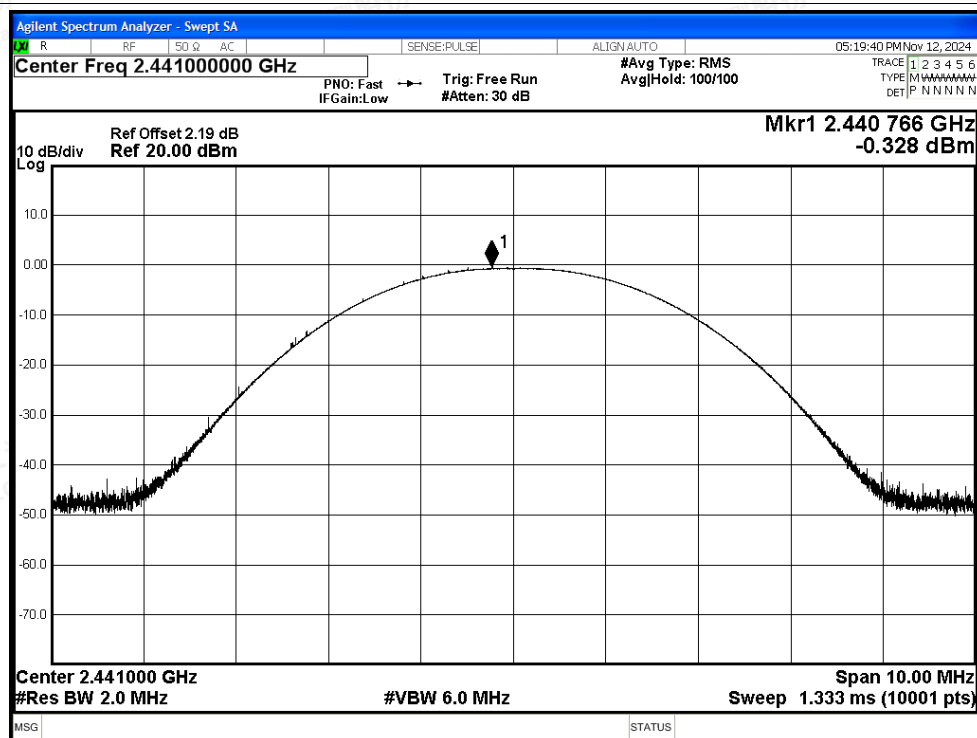


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

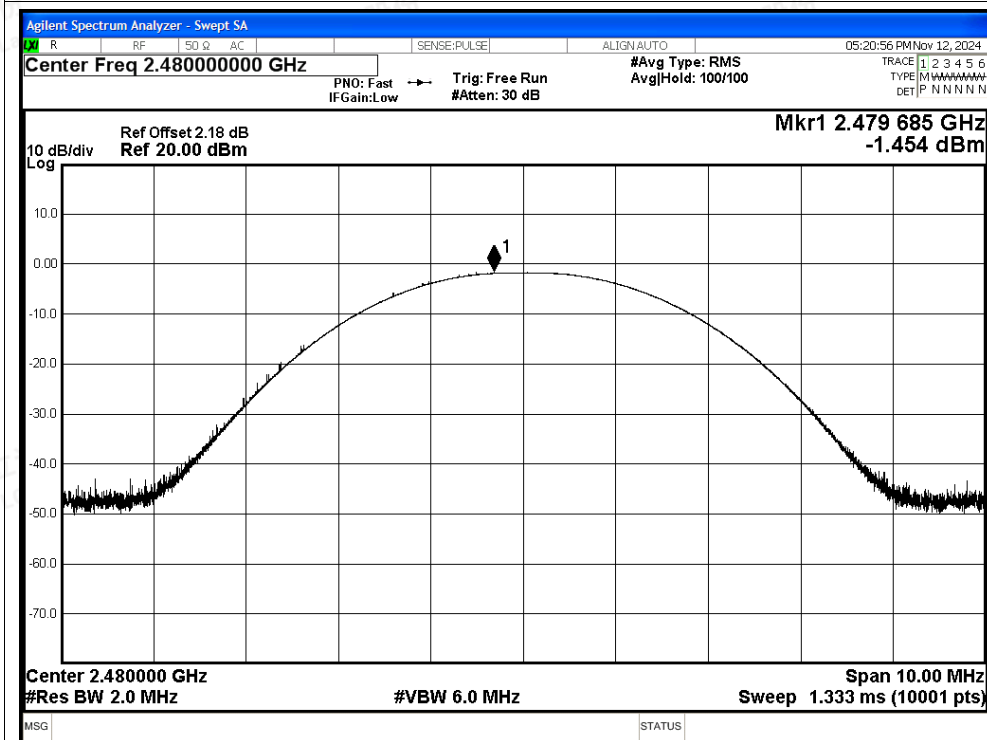


Power NVNT 1-DH5 2441MHz Ant1

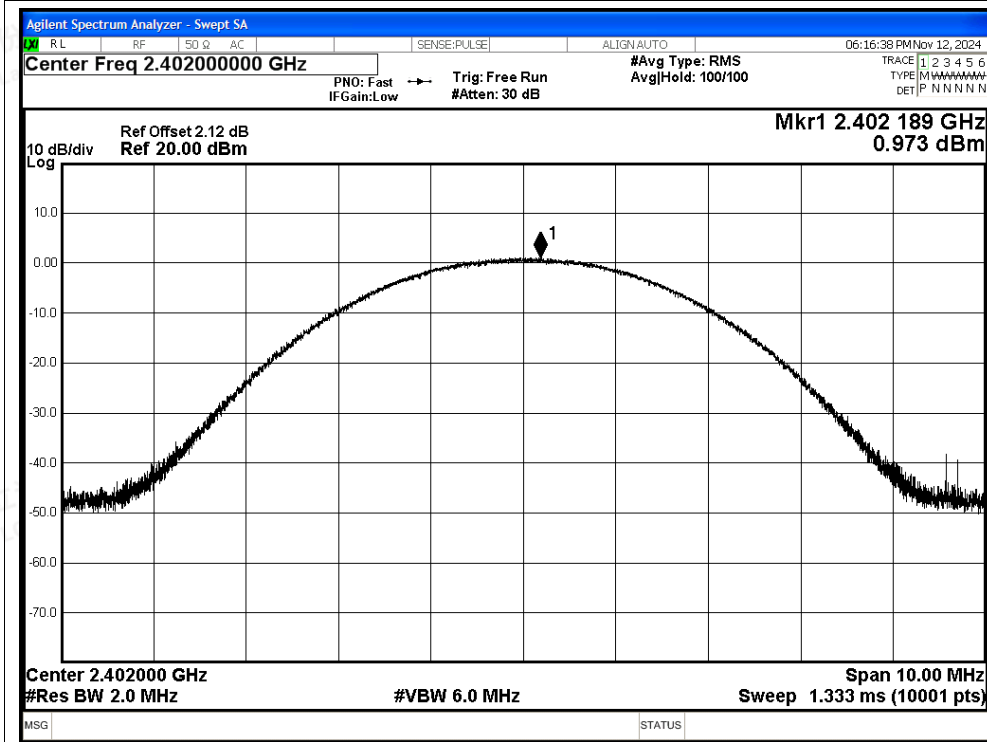




Power NVNT 1-DH5 2480MHz Ant1

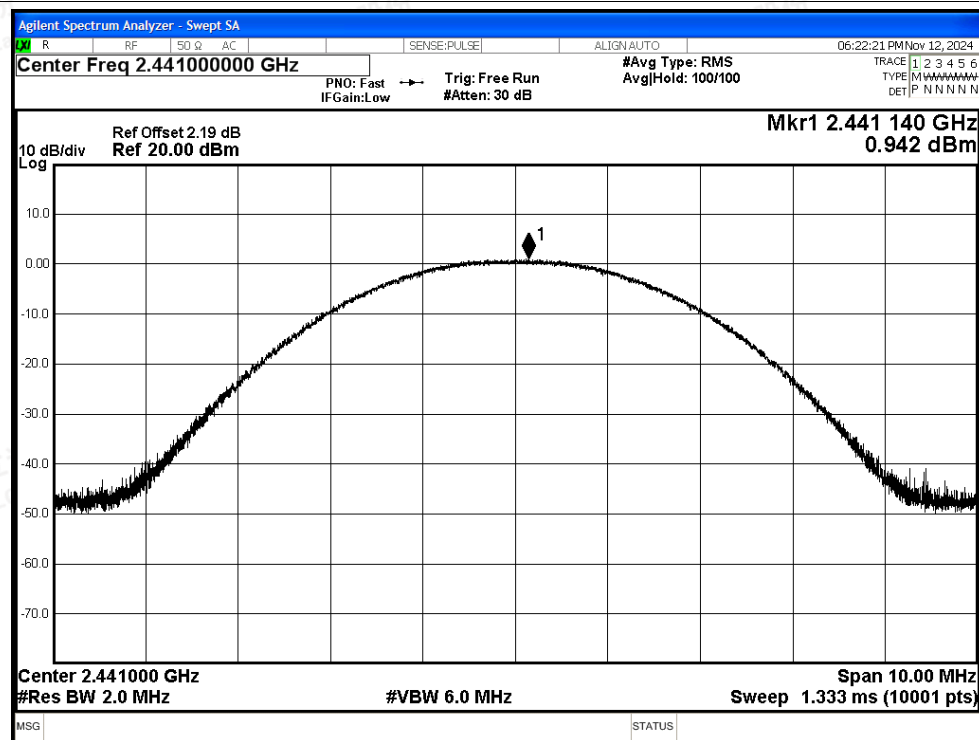


Power NVNT 2-DH5 2402MHz Ant1

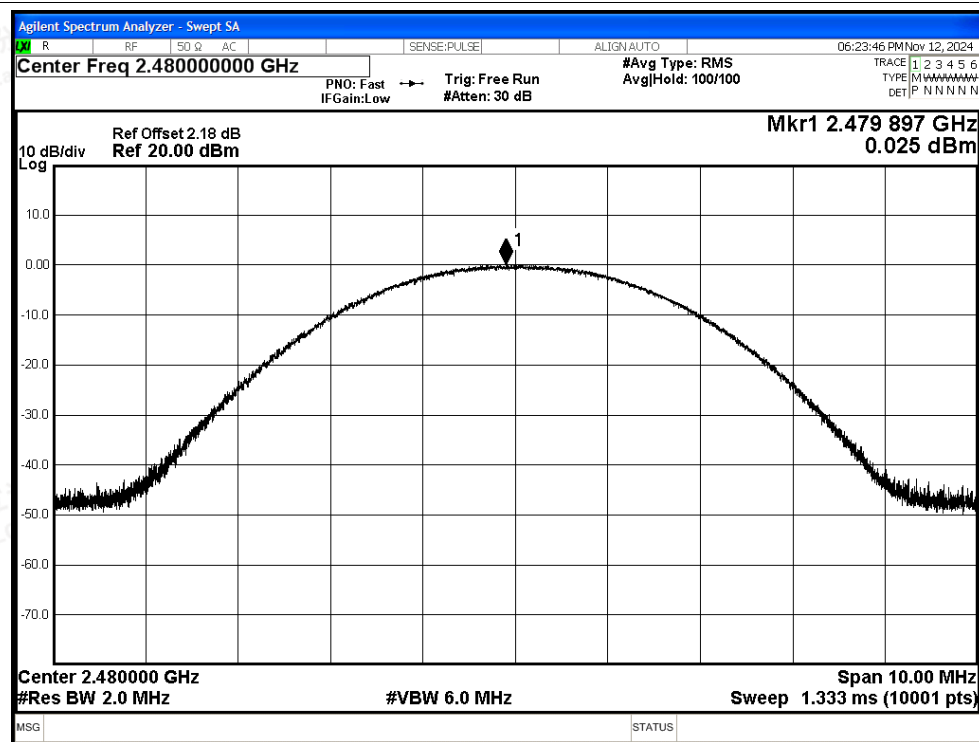




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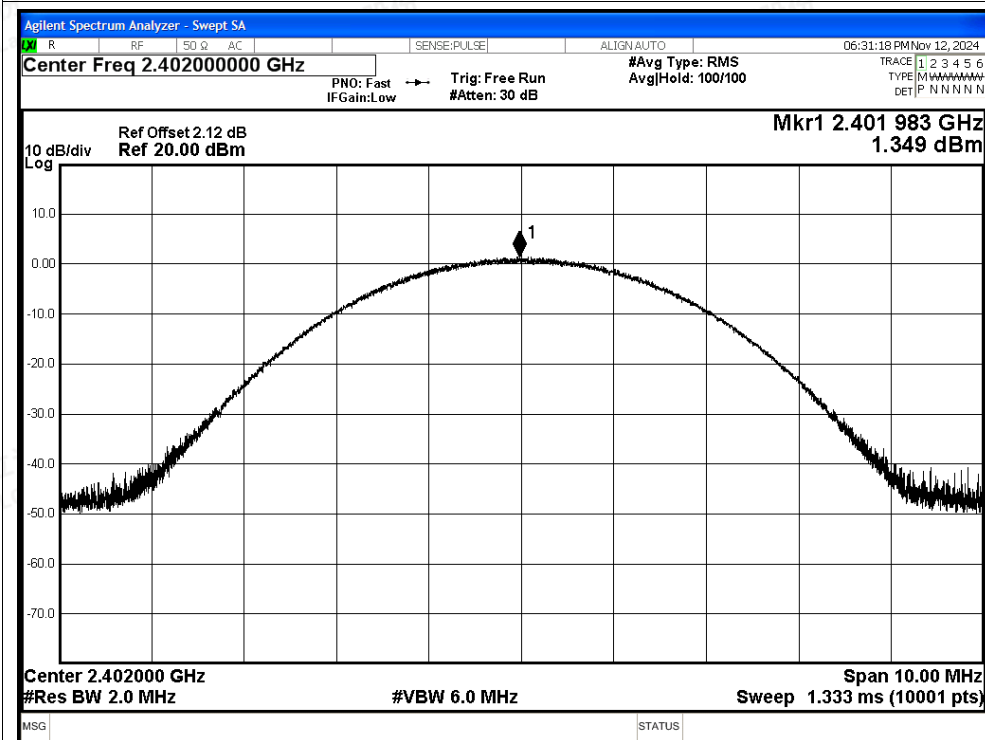


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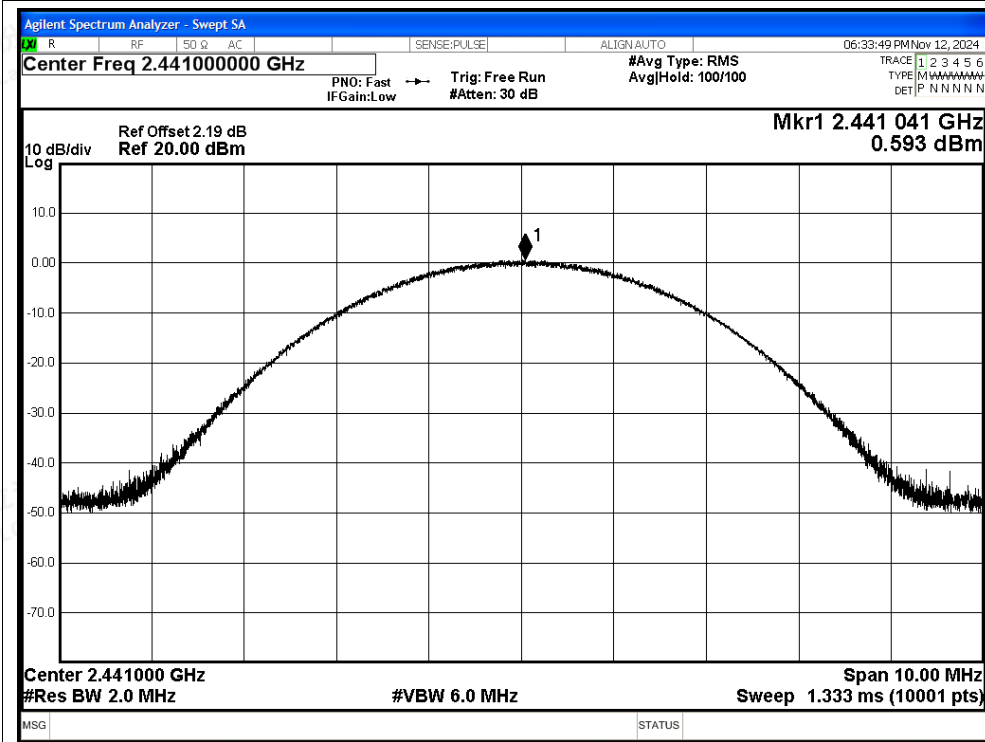


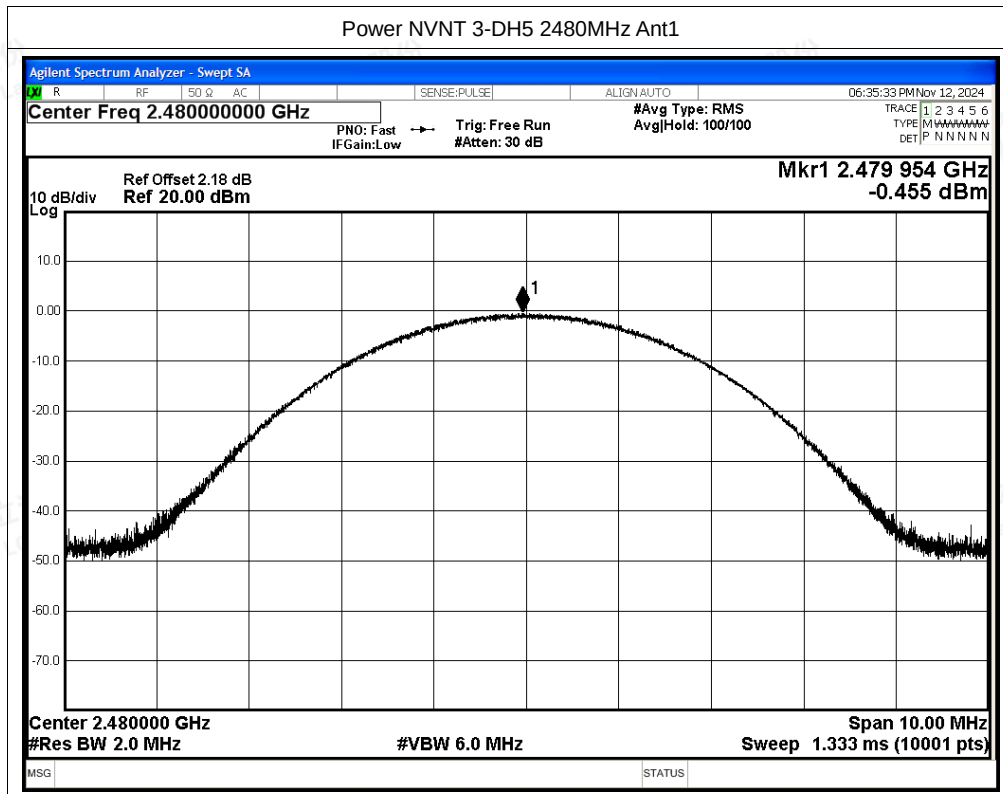


Power NVNT 3-DH5 2402MHz Ant1



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	2402.034	2403	0.966	0.689	Pass
NVNT	2-DH5	Ant1	2402.014	2403.014	1	0.858	Pass
NVNT	3-DH5	Ant1	2402.024	2403.01	0.986	0.868	Pass

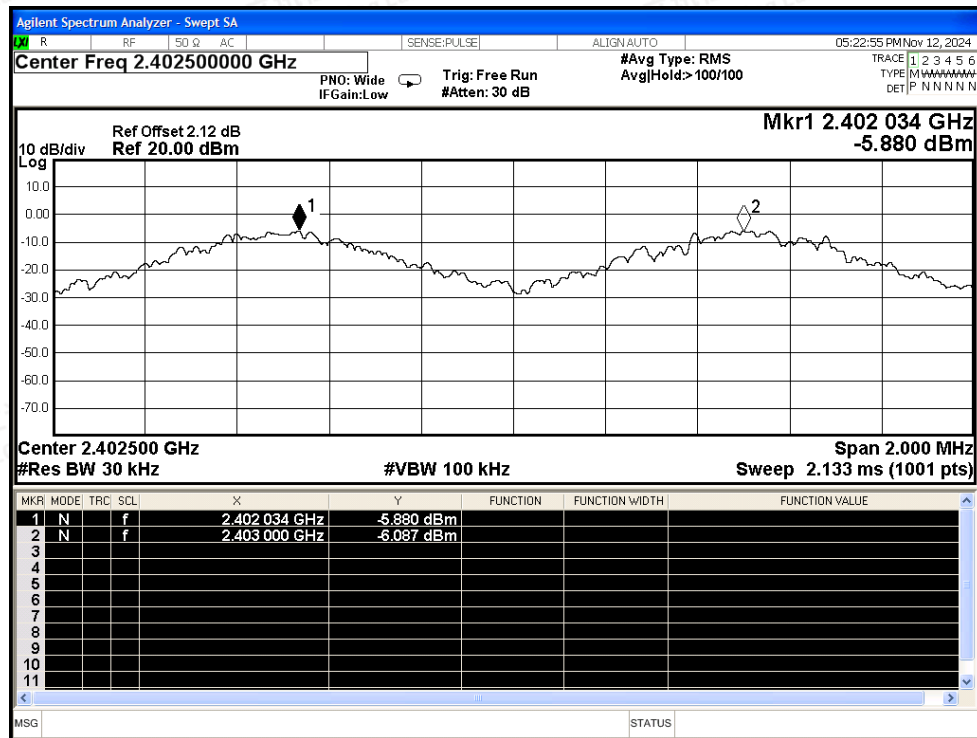


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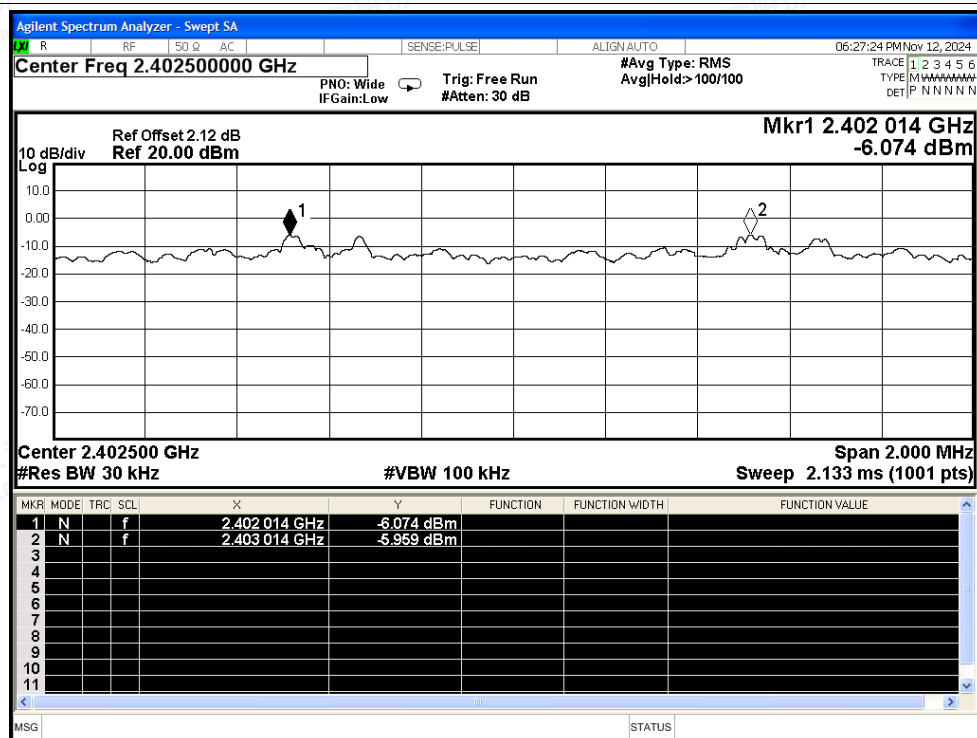


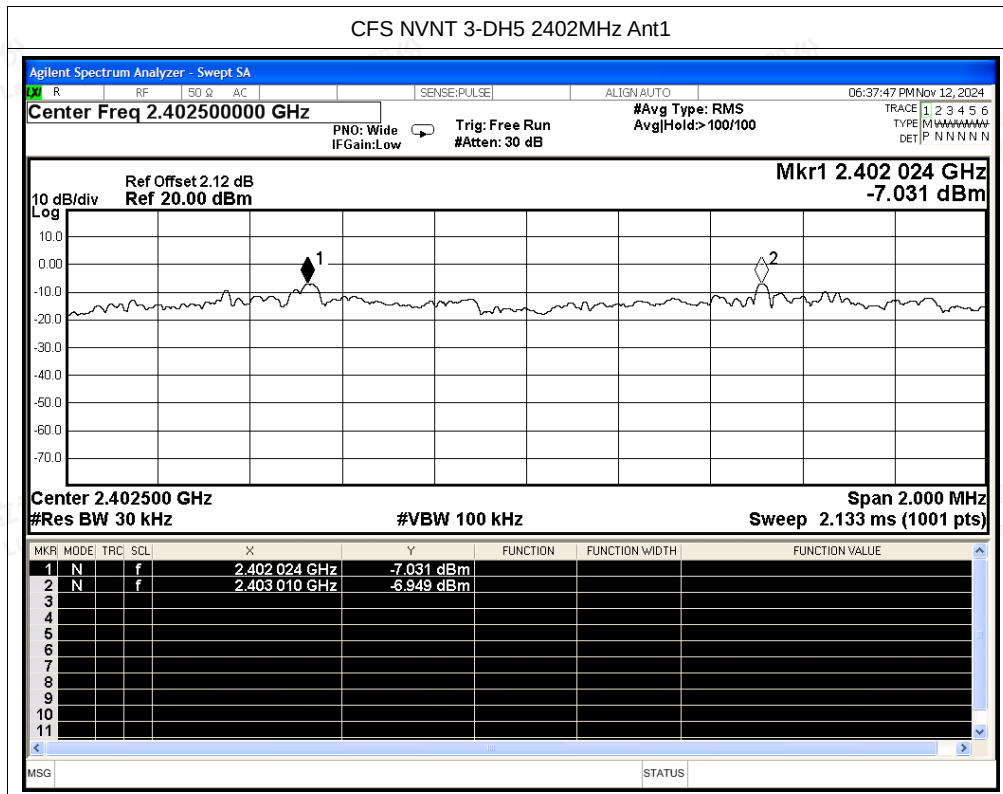
Test Graphs

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	2.909	317.081	109	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	307.188	106	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	278.112	96	31600	400	Pass

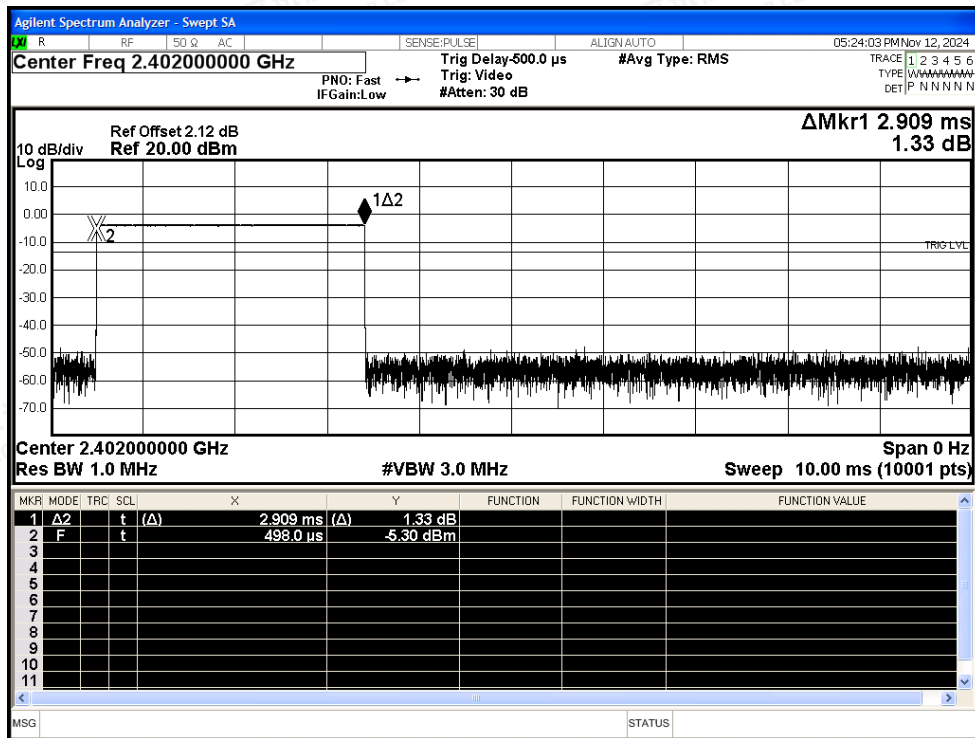


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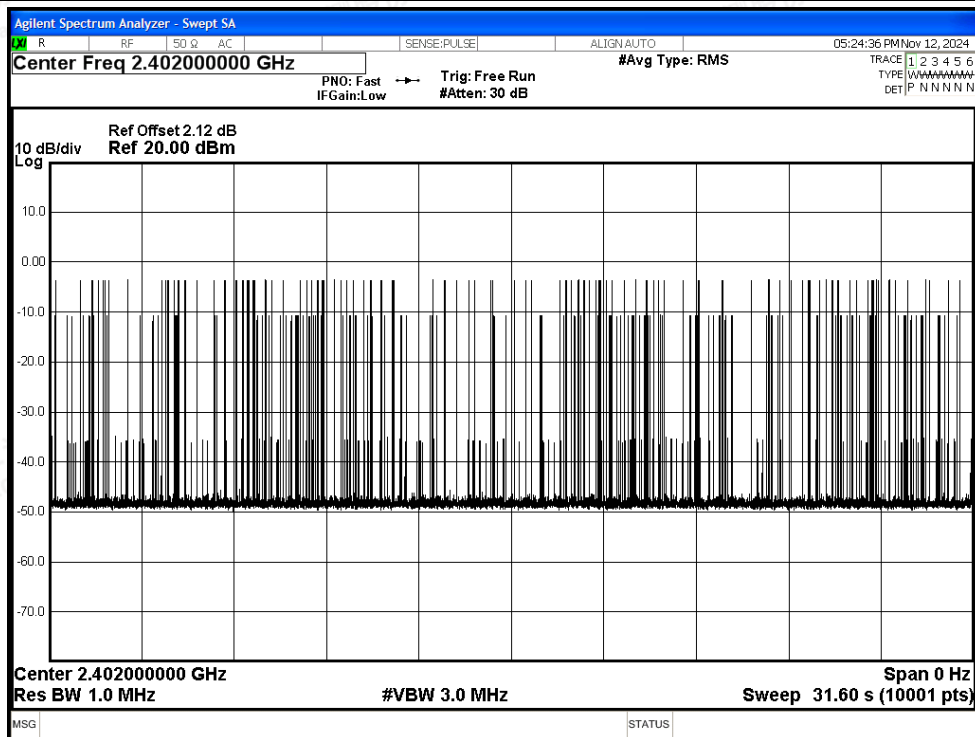


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

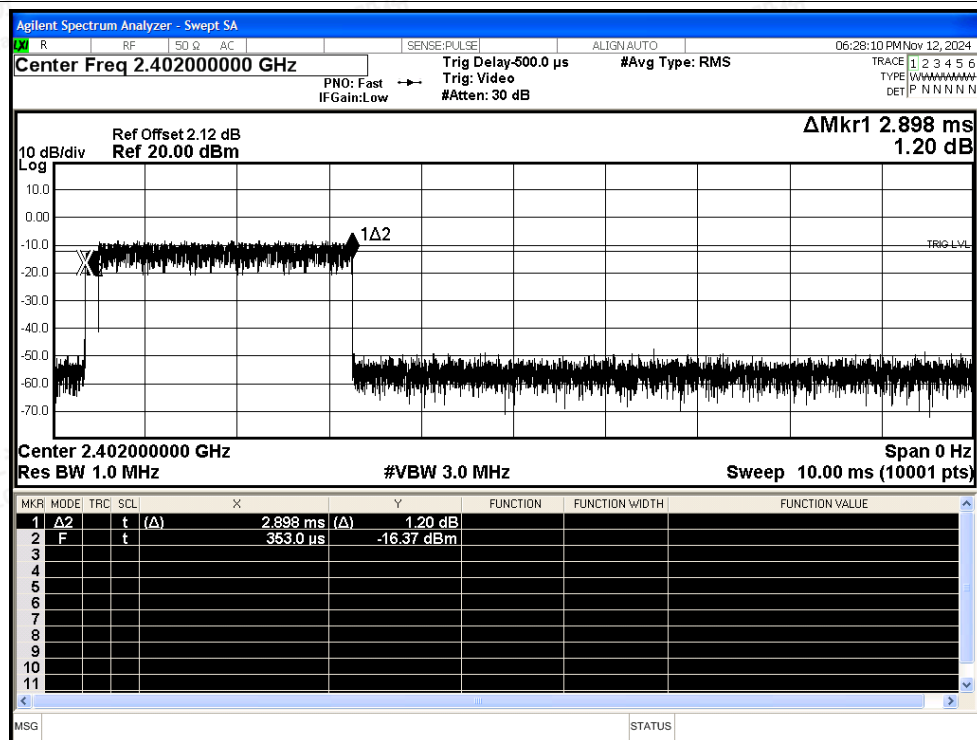


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

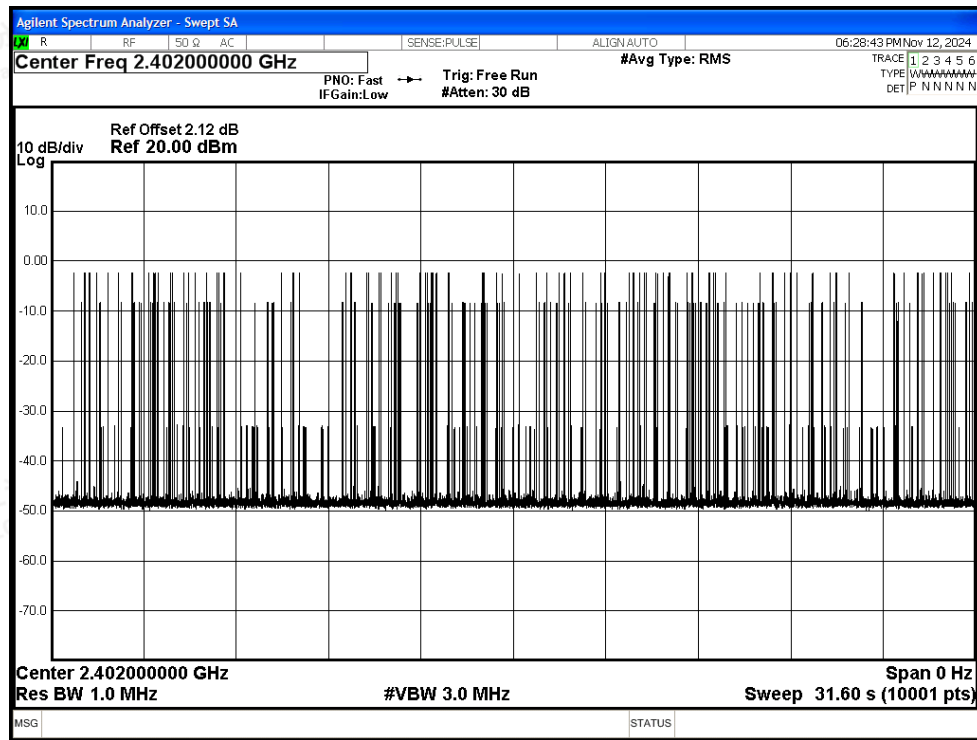


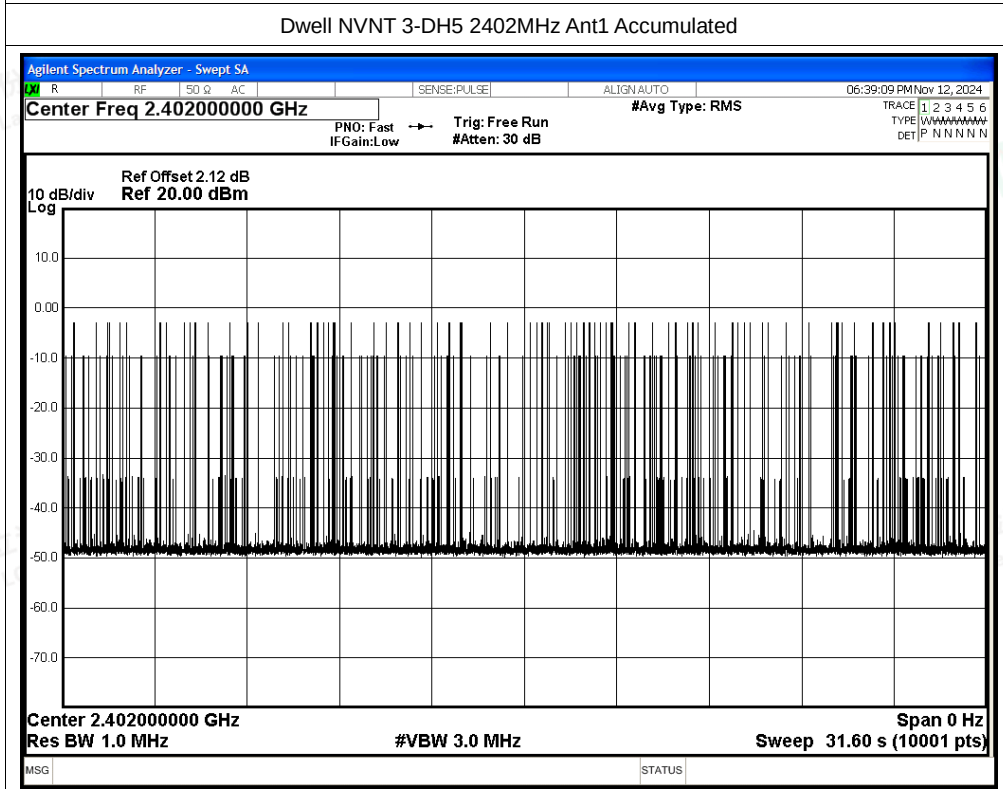
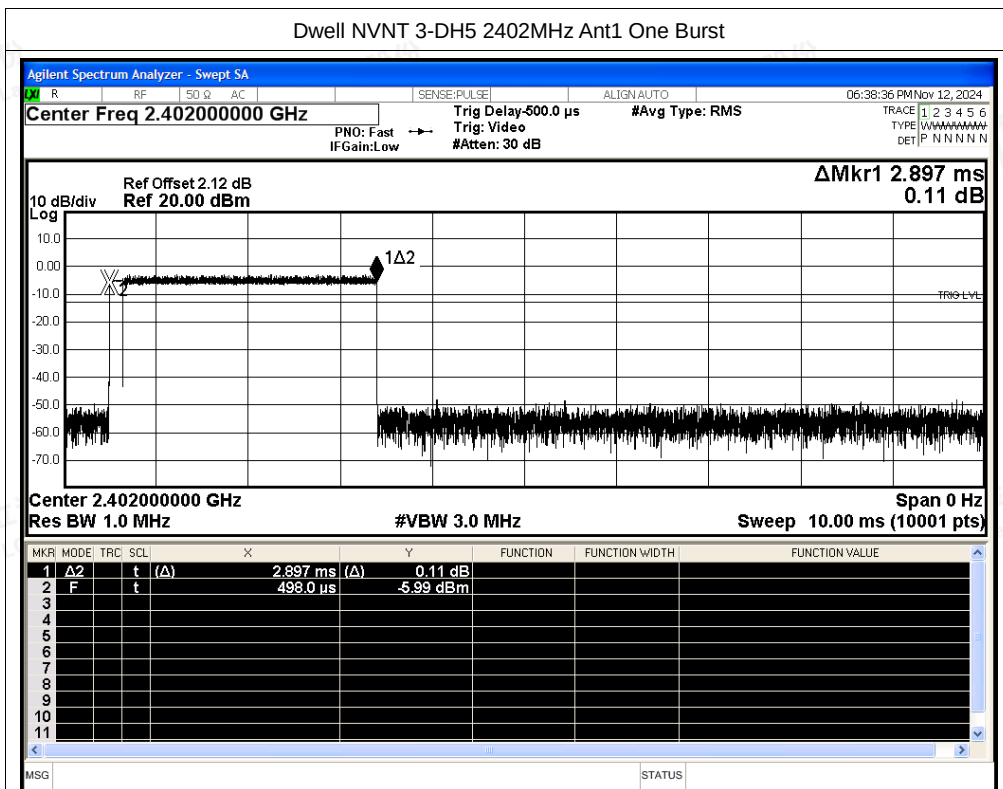


Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated







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

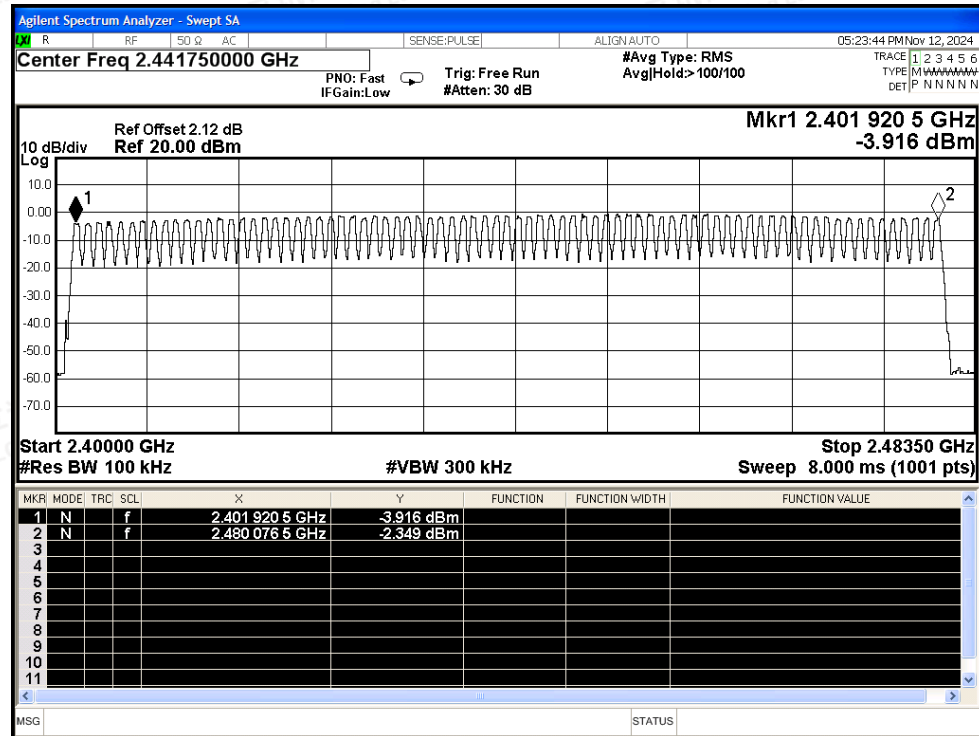


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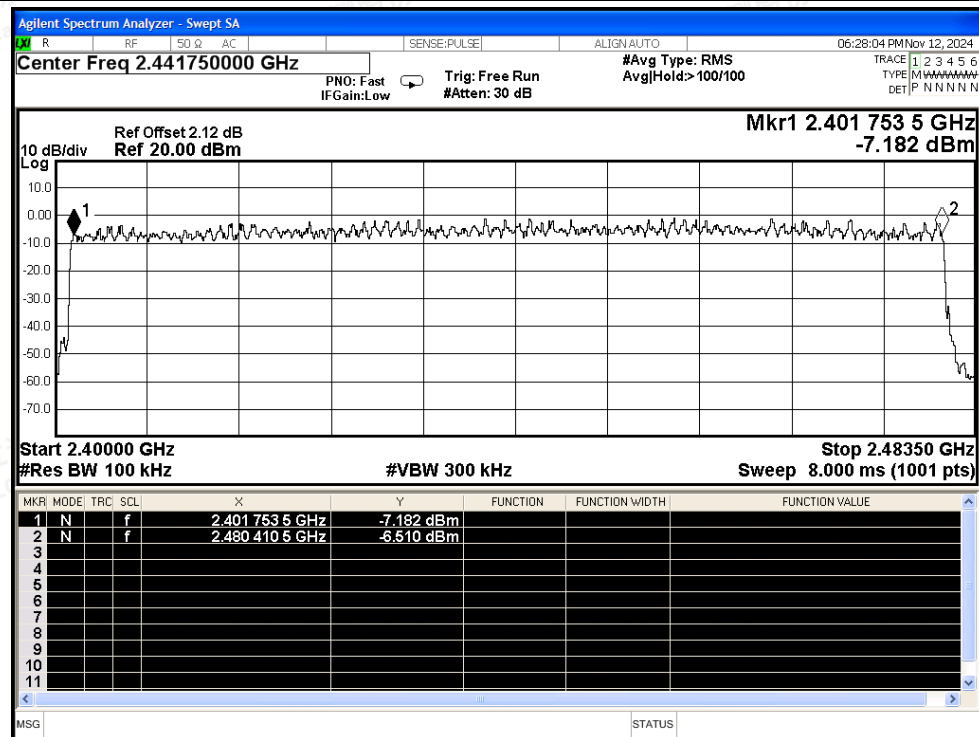


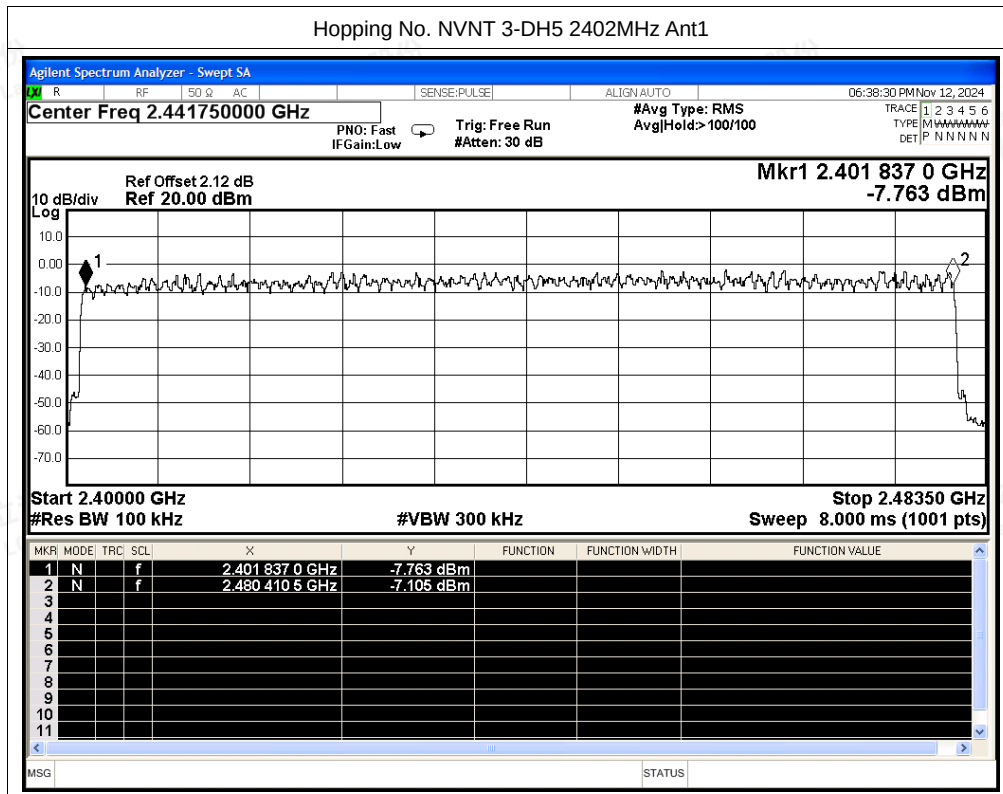
Test Graphs

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	-54.53	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-53.6	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-52.11	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.94	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-47.77	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-53.44	-20	Pass

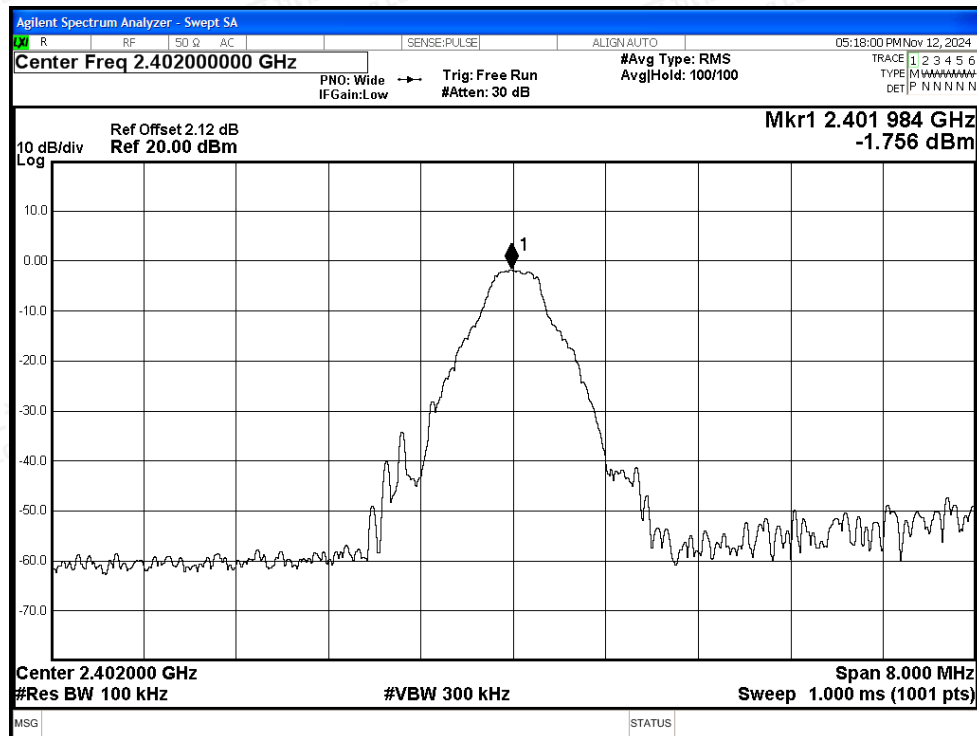


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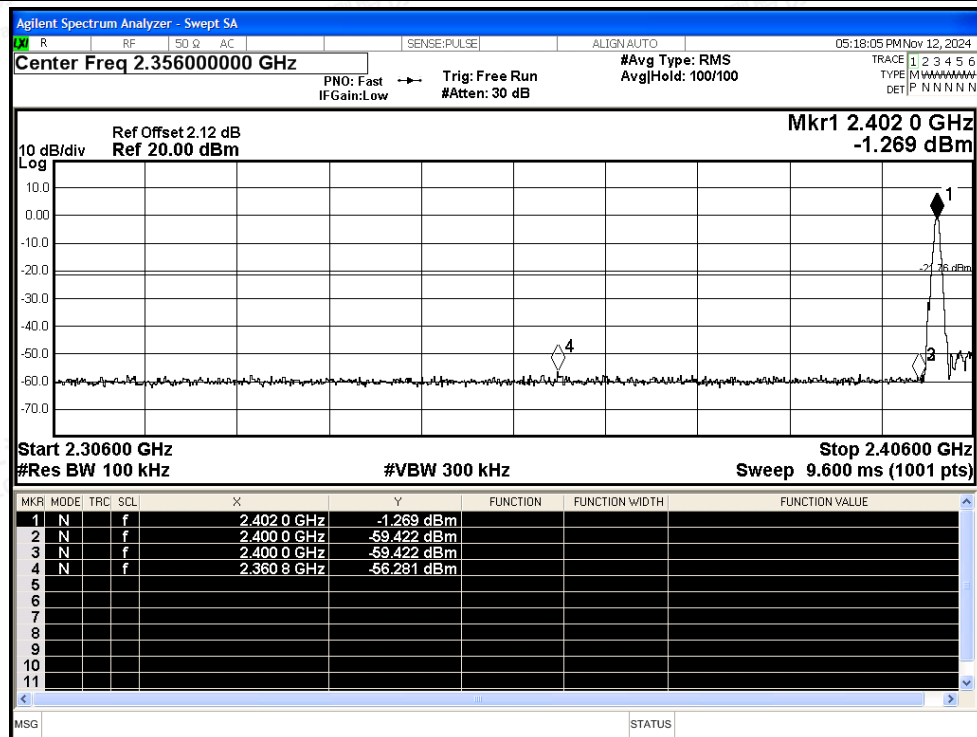


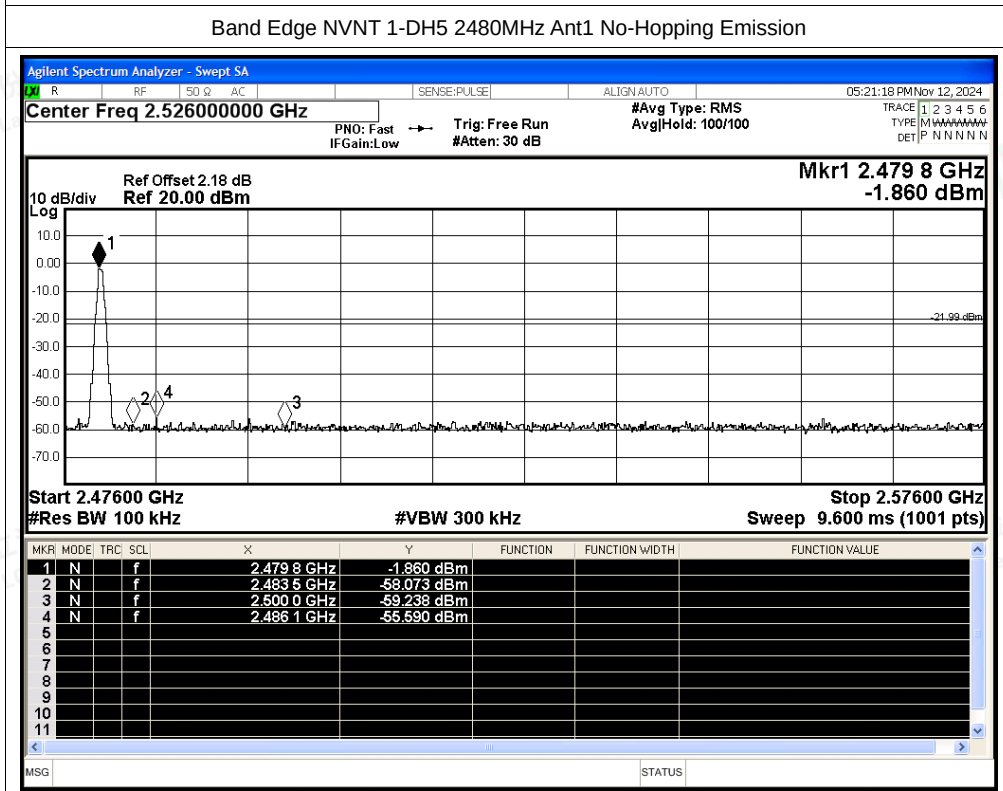
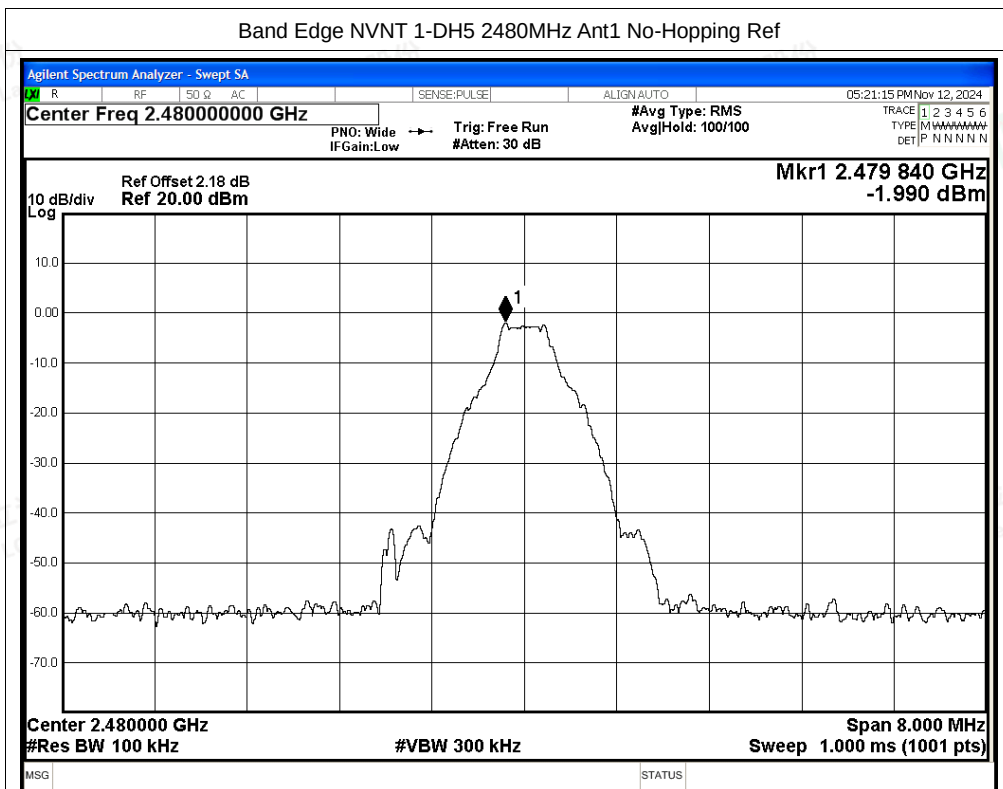
Test Graphs

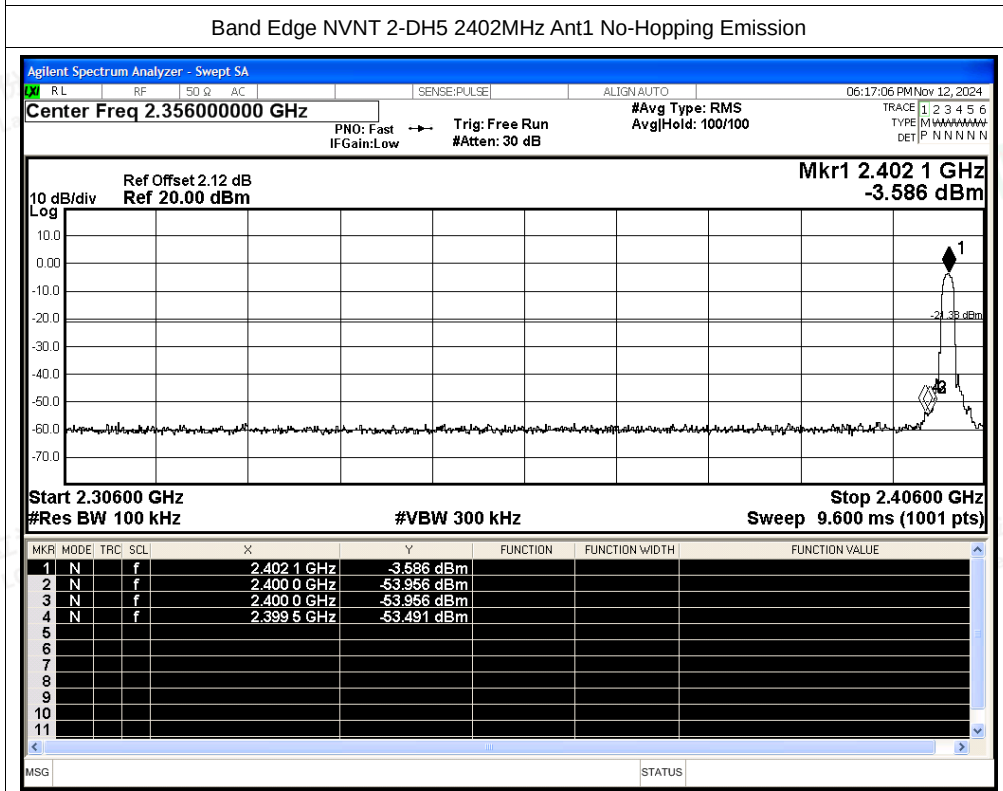
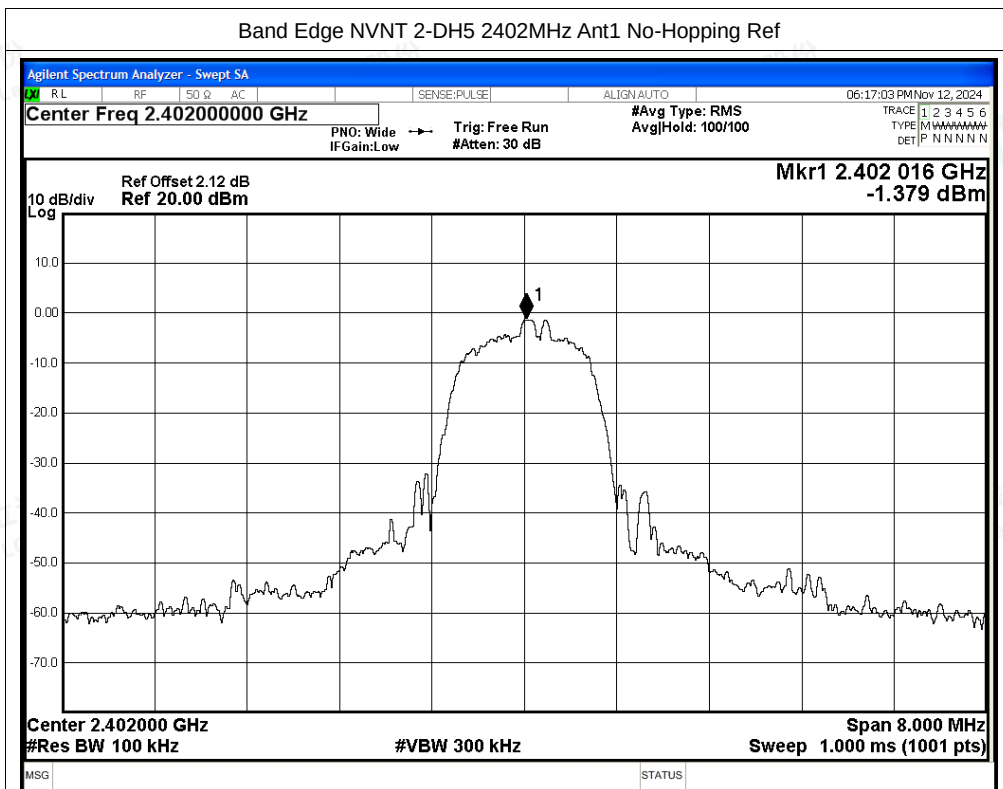
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

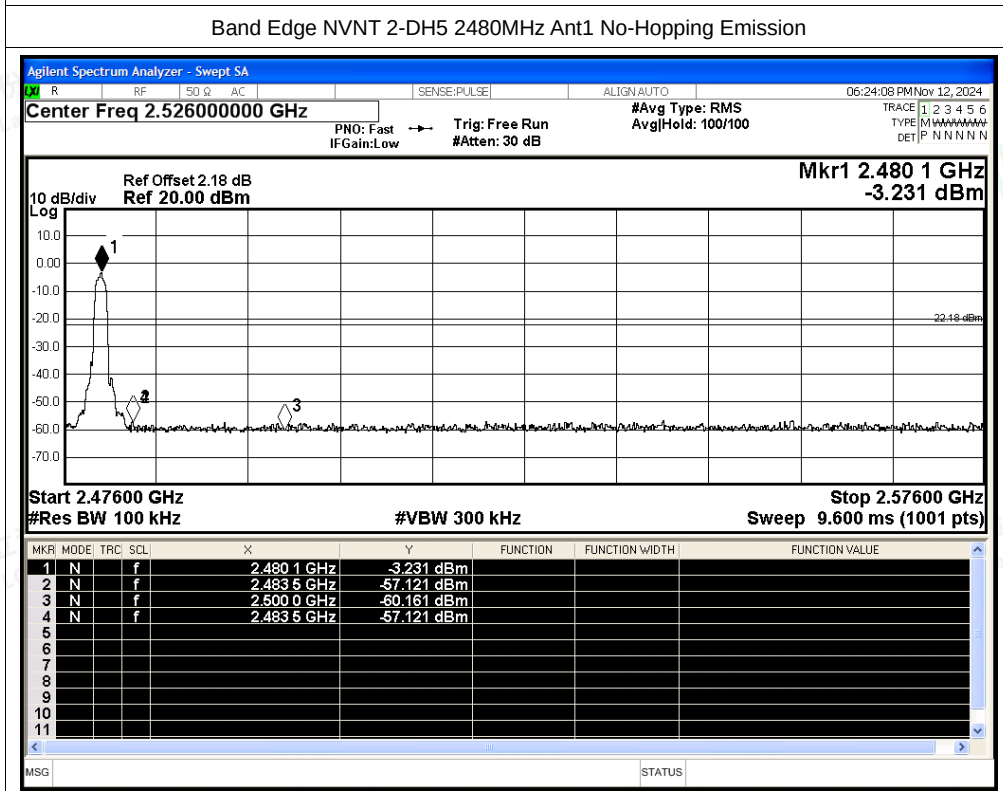
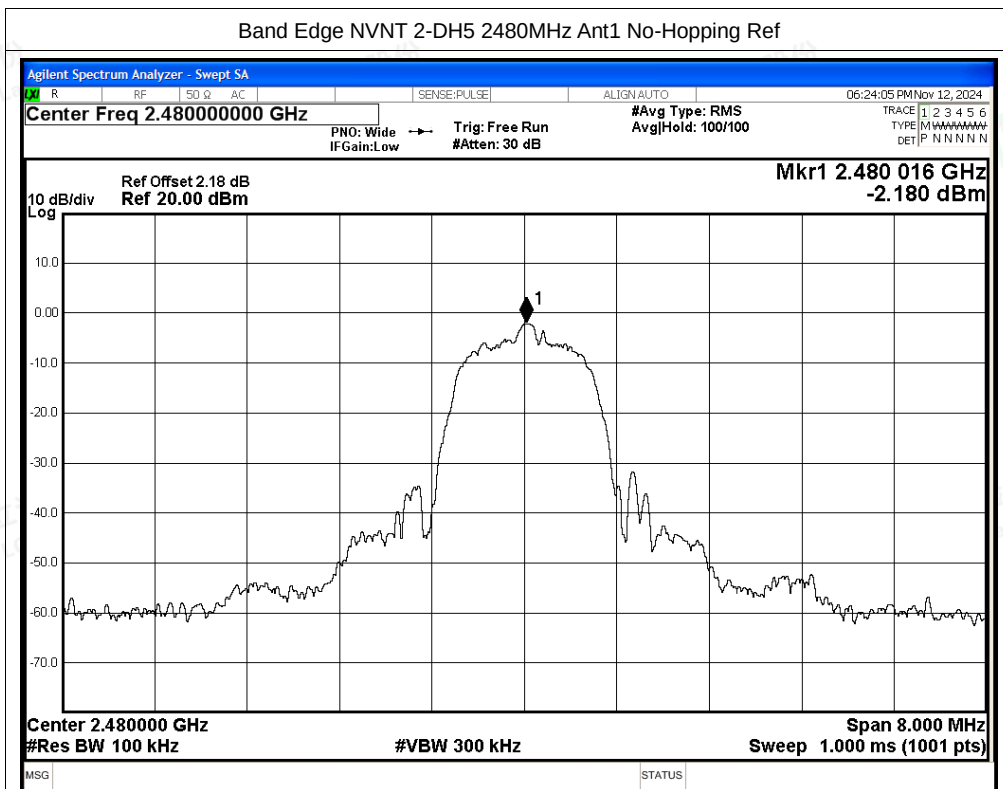


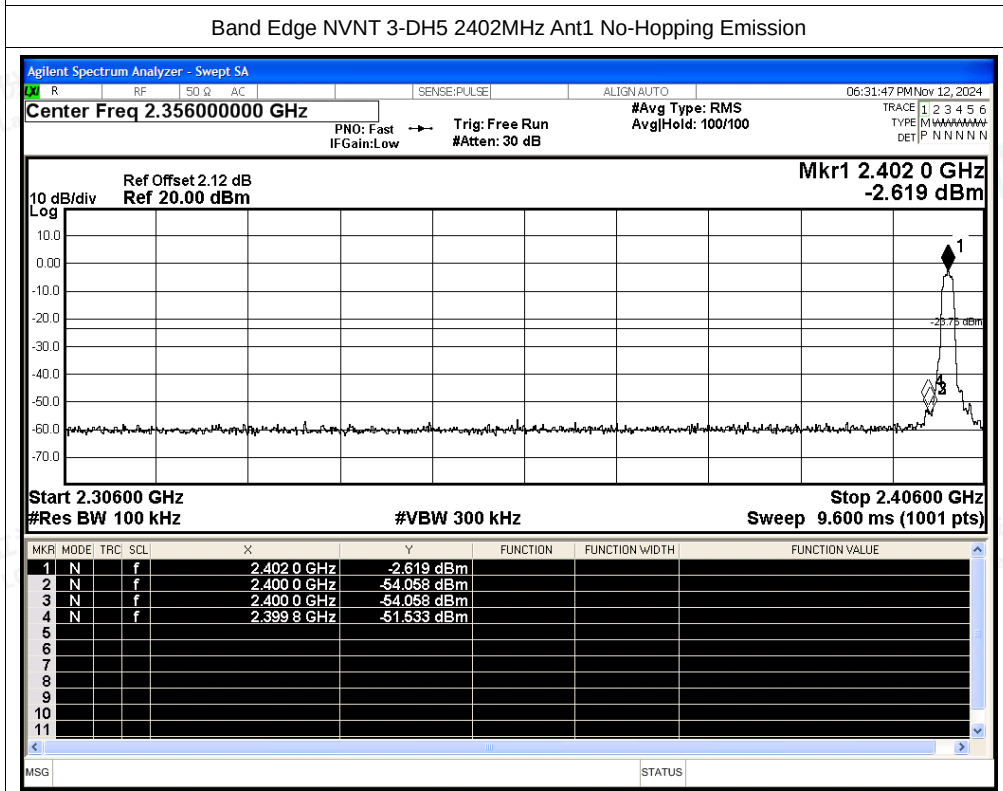
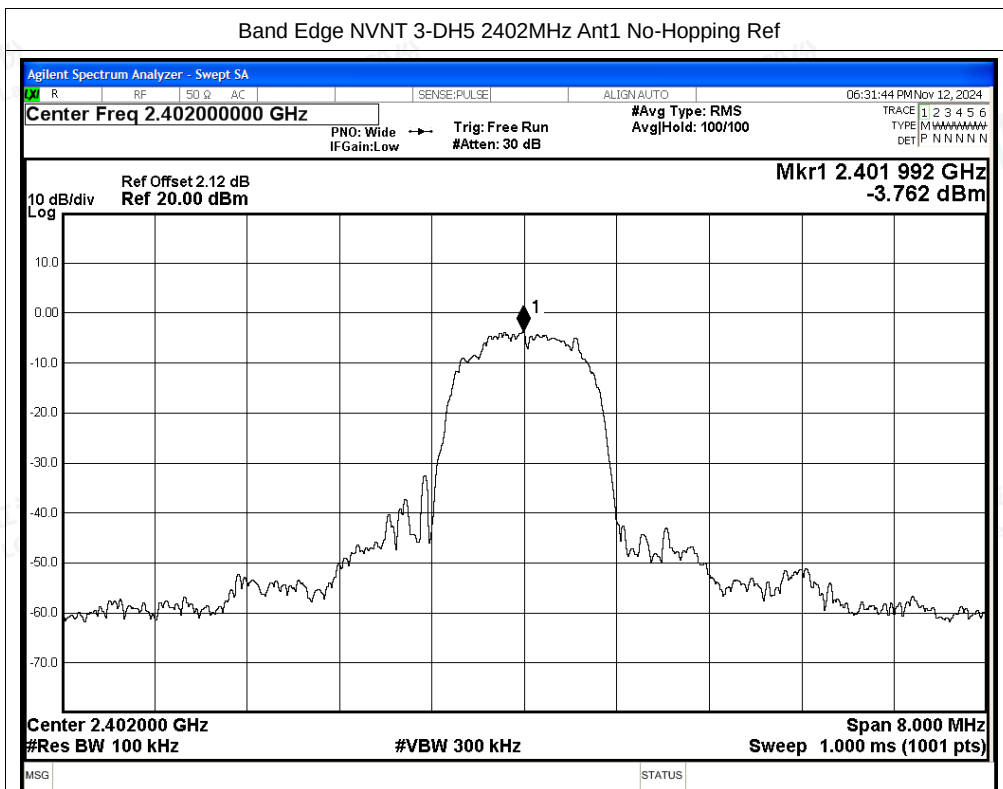
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

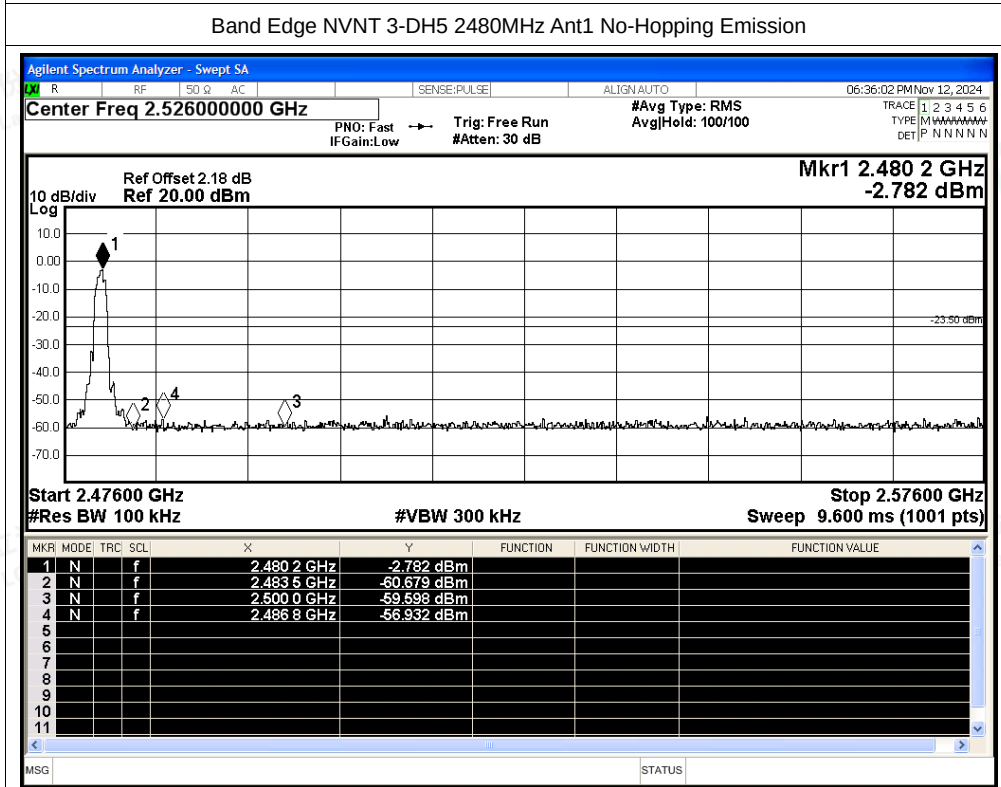
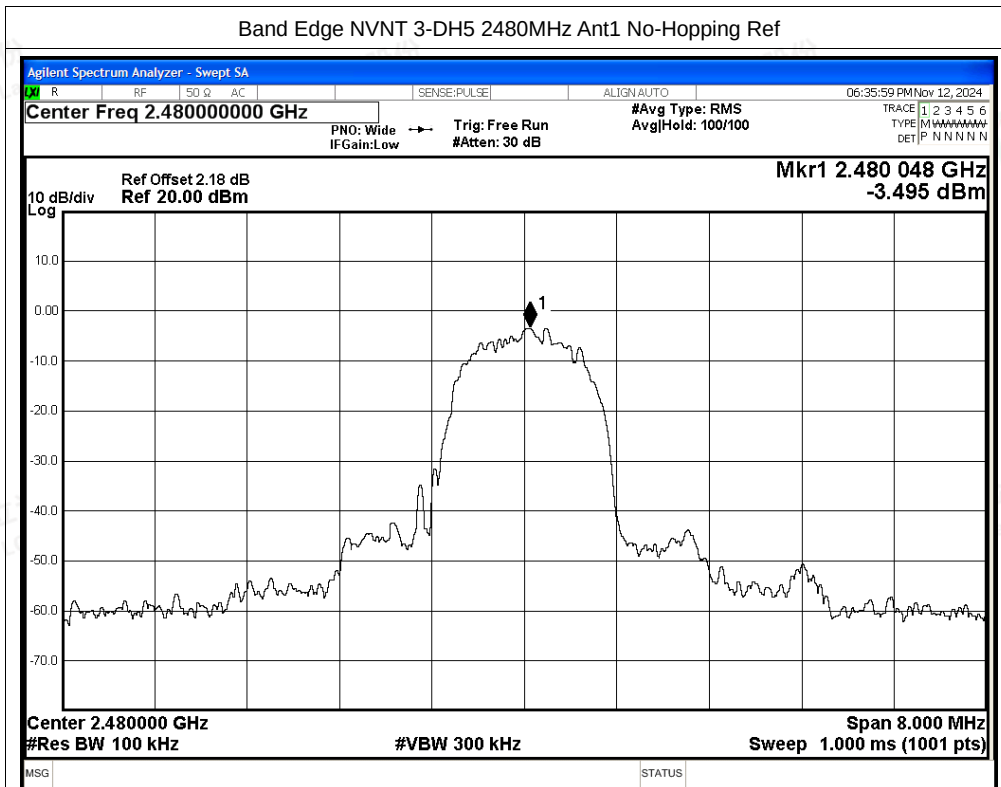














(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-51.96	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-53.65	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.48	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.49	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-51.21	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-50.6	-20	Pass

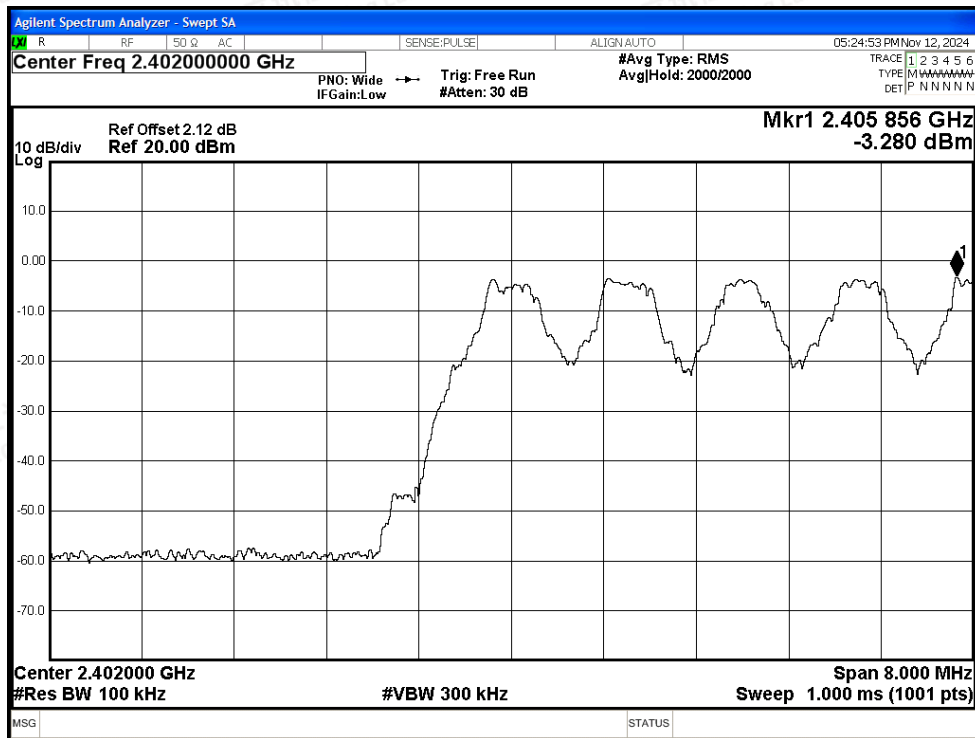


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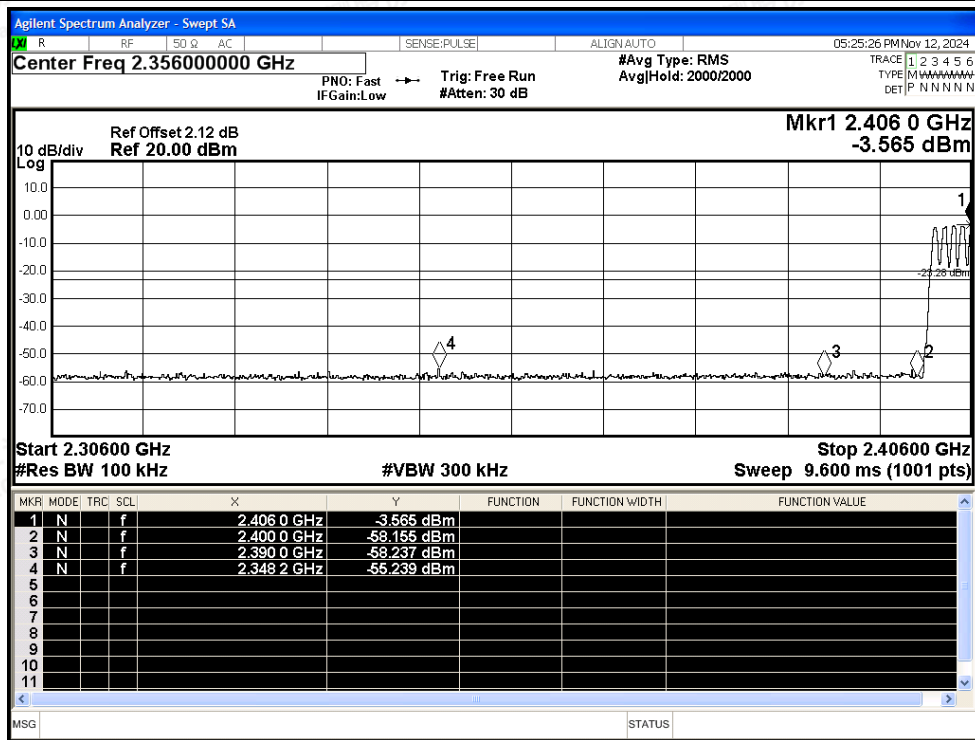


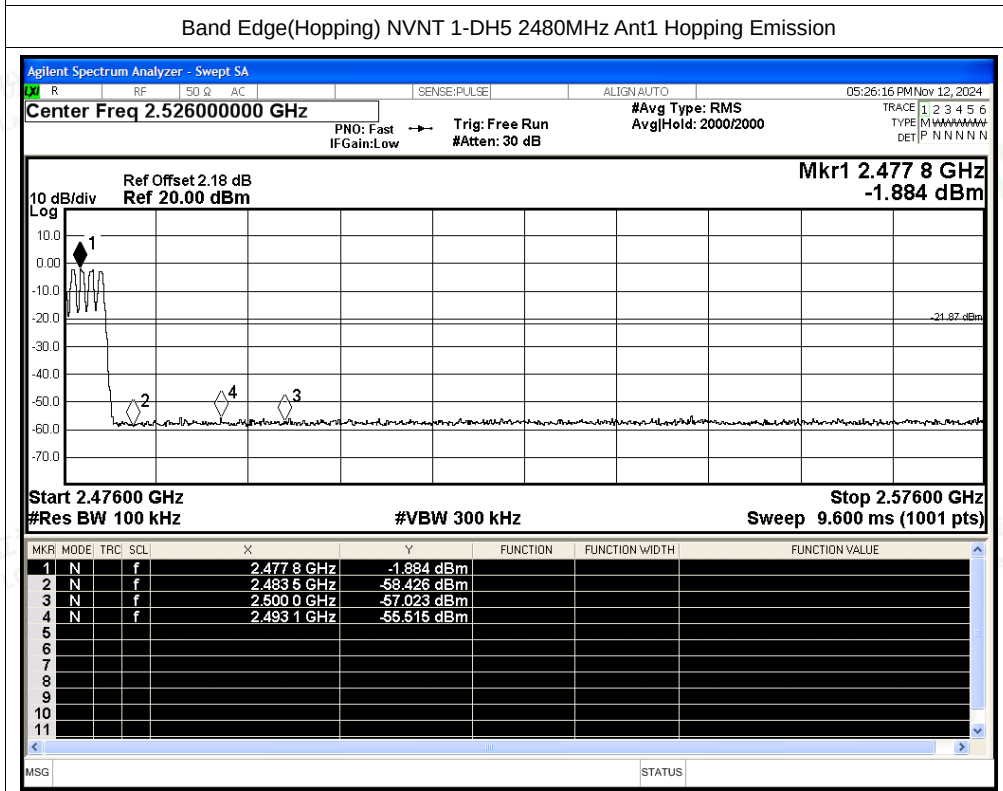
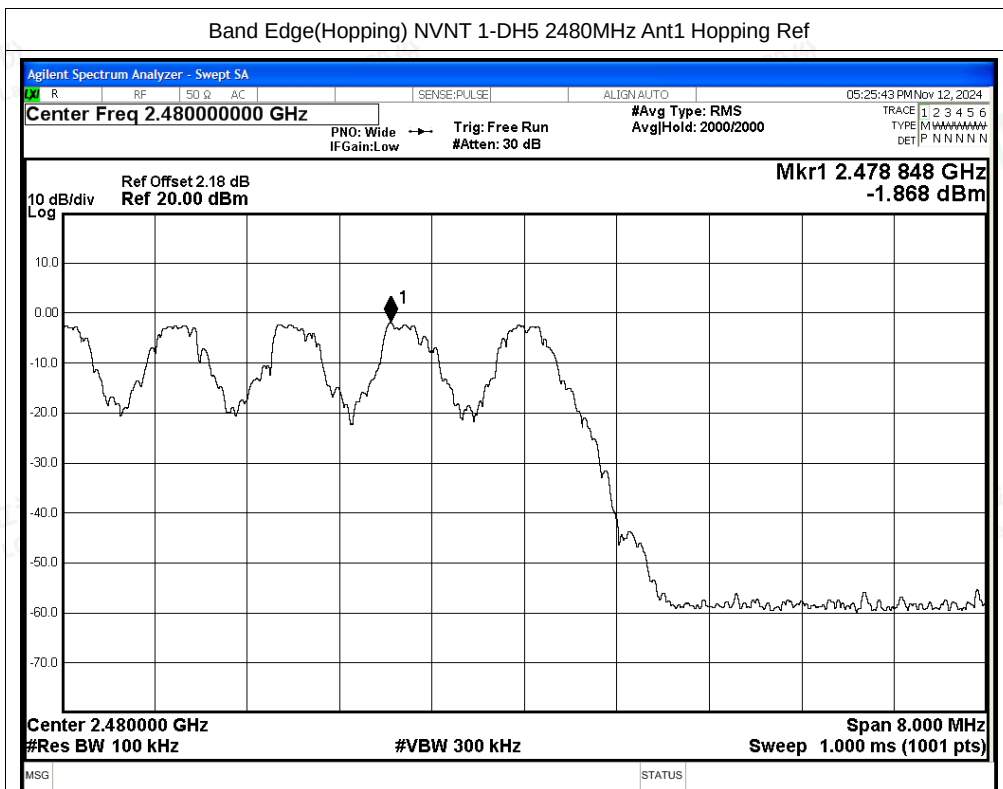
Test Graphs

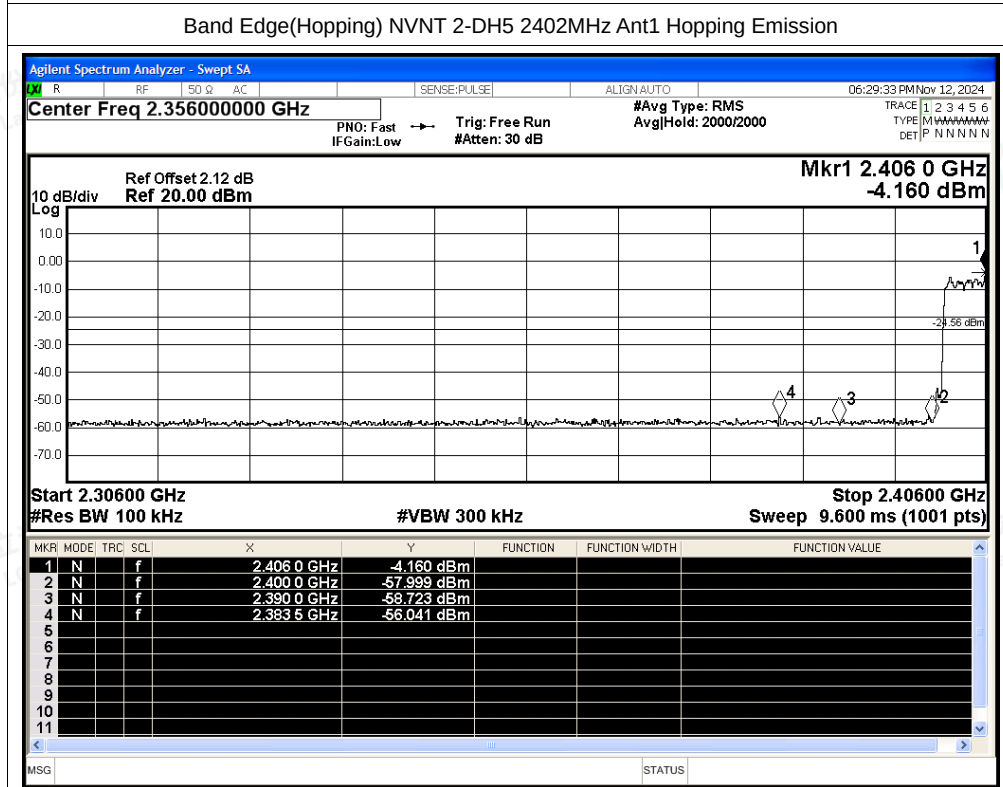
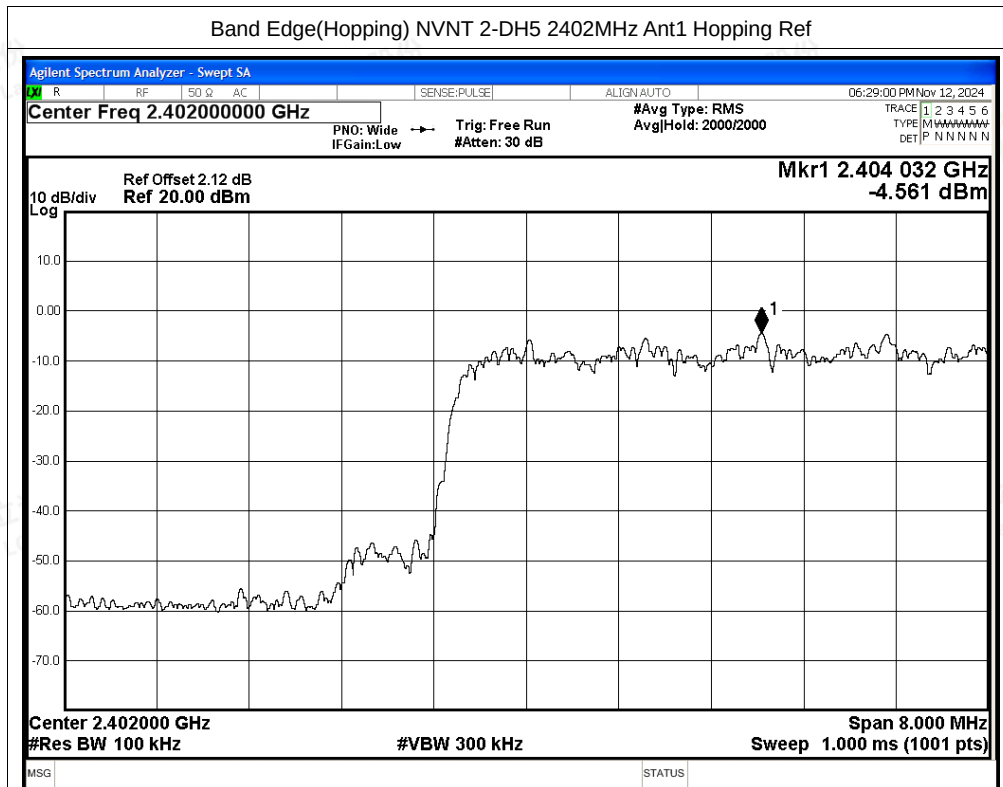
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



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

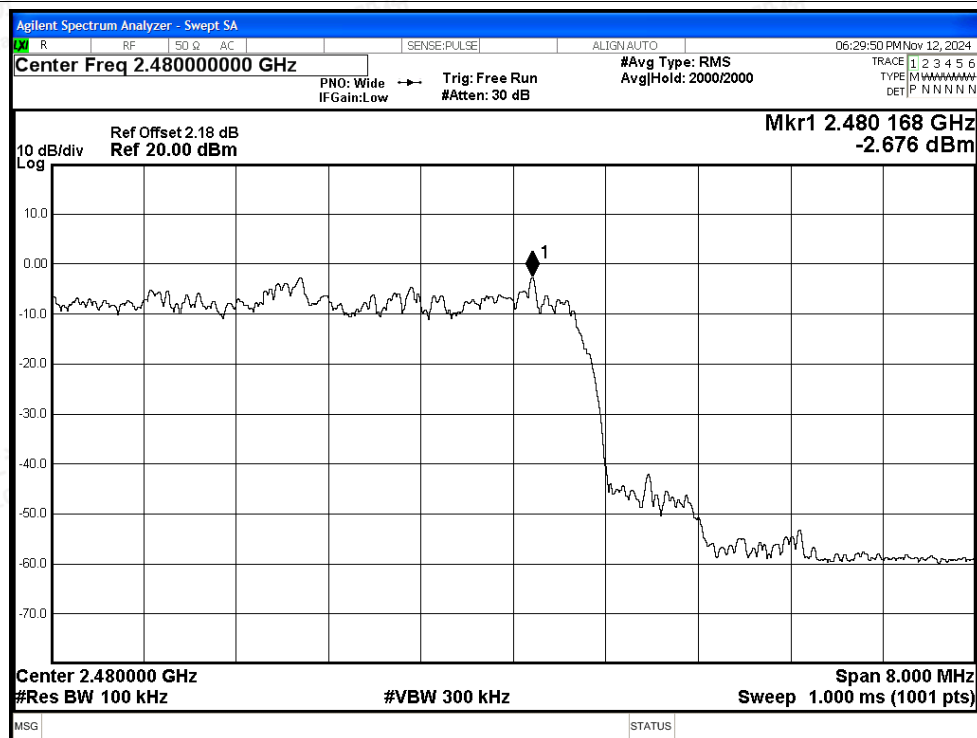




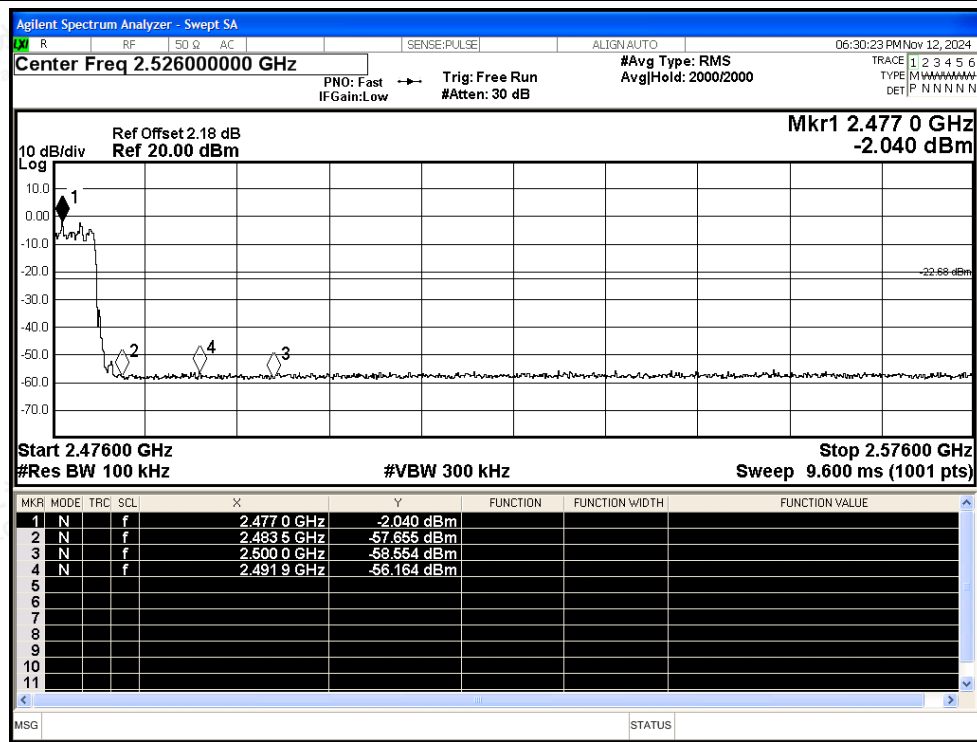




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

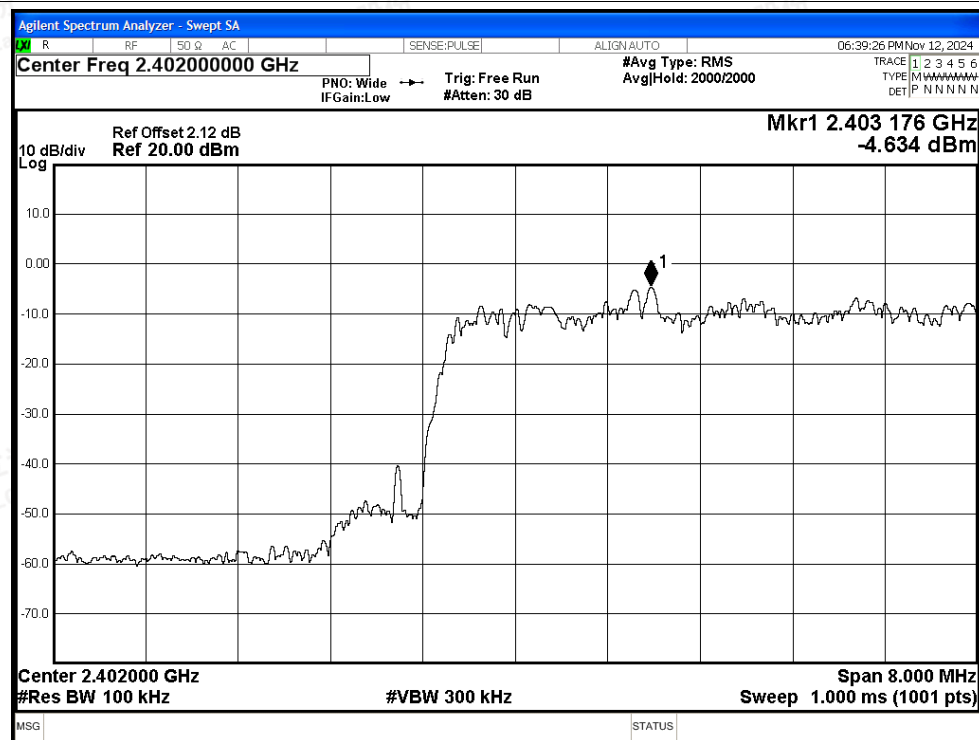


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

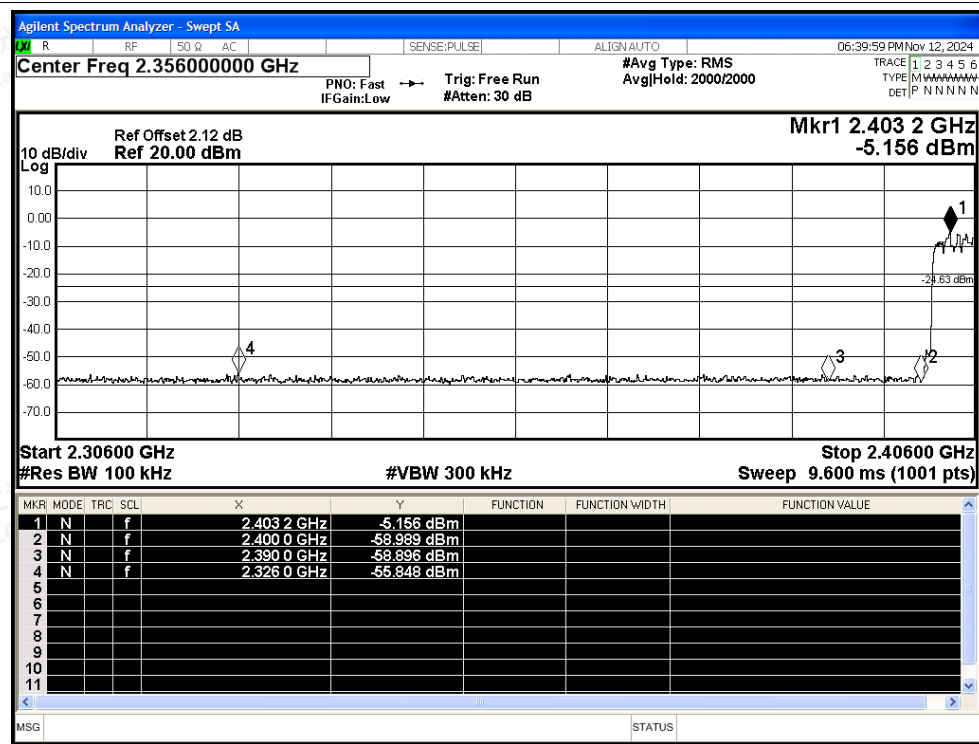




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

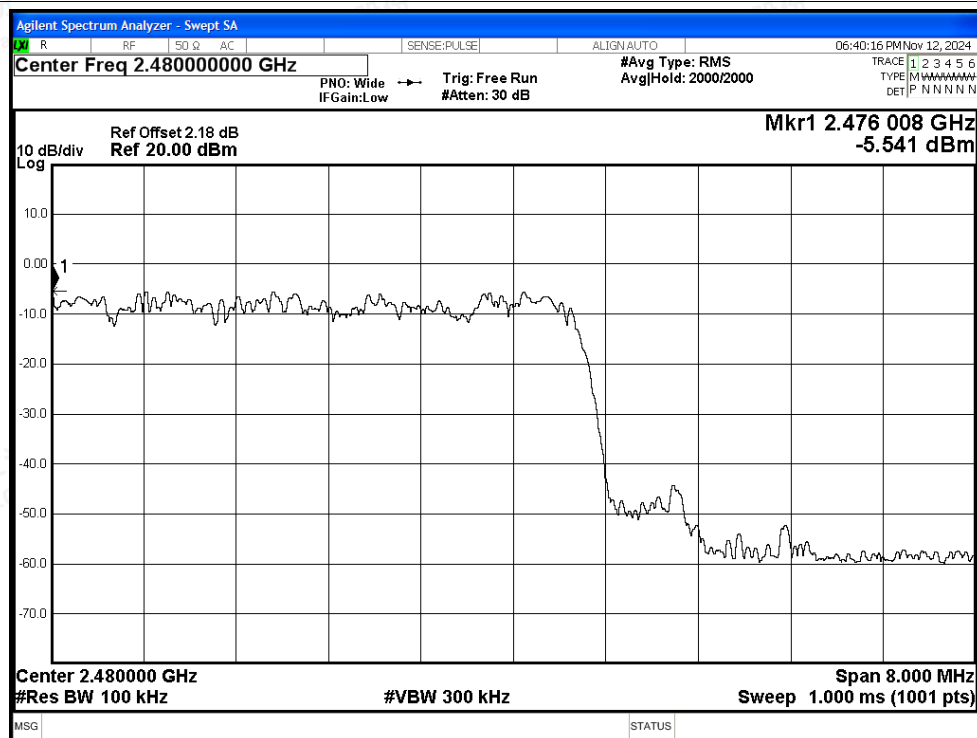


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

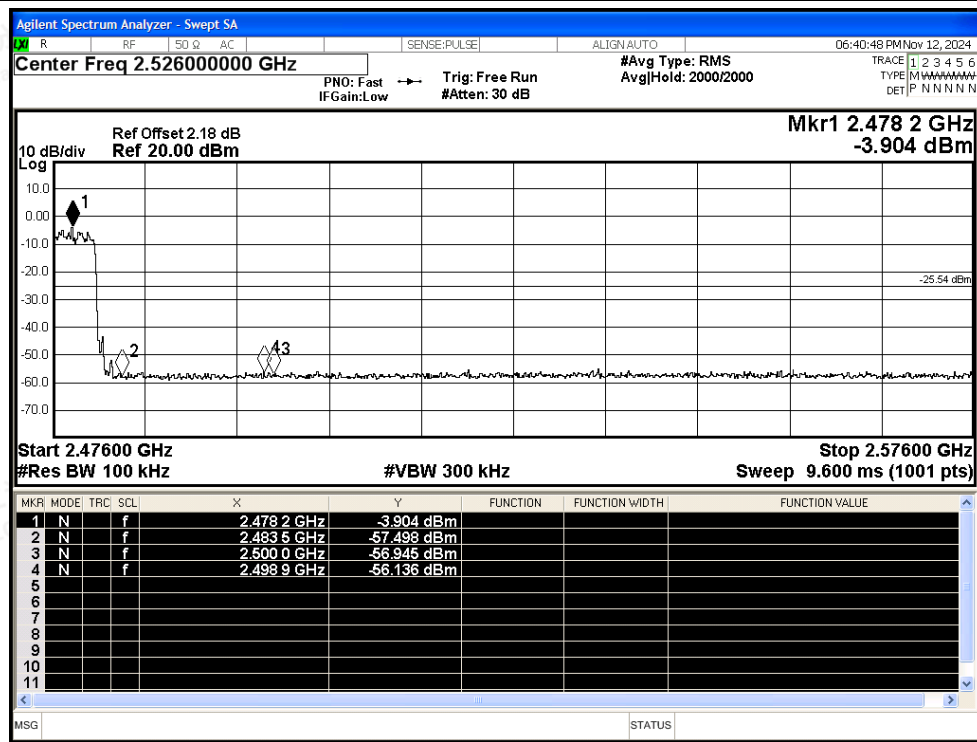




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-53.03	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.2	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.71	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.45	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.7	-20	Pass
NVNT	2-DH5	2480	Ant1	-53.03	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.08	-20	Pass
NVNT	3-DH5	2441	Ant1	-50.04	-20	Pass
NVNT	3-DH5	2480	Ant1	-52.05	-20	Pass

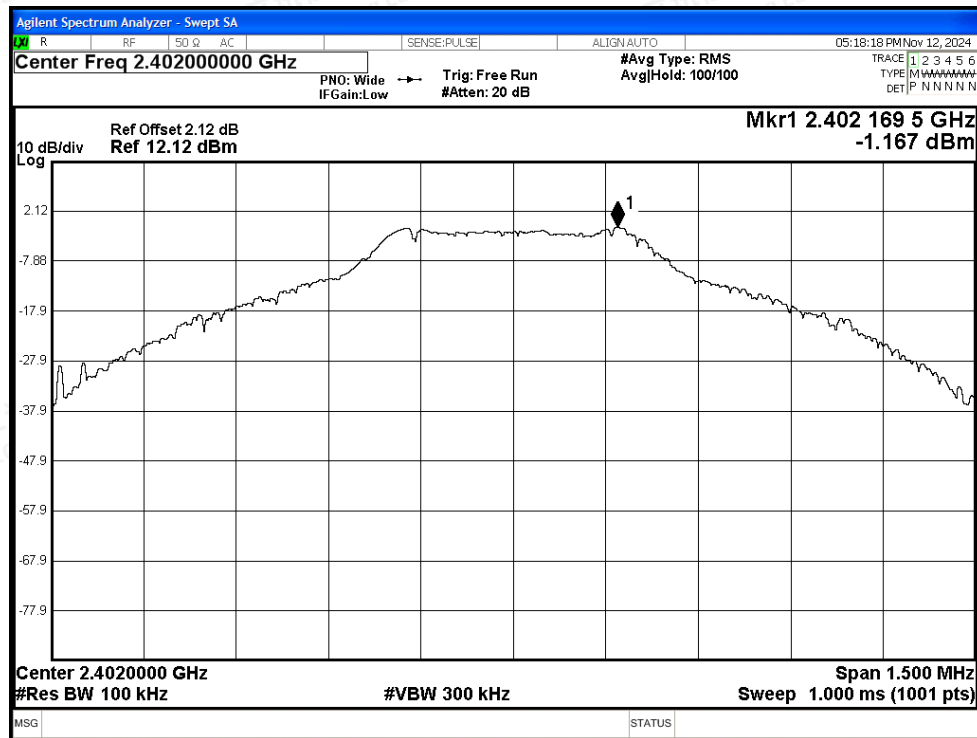


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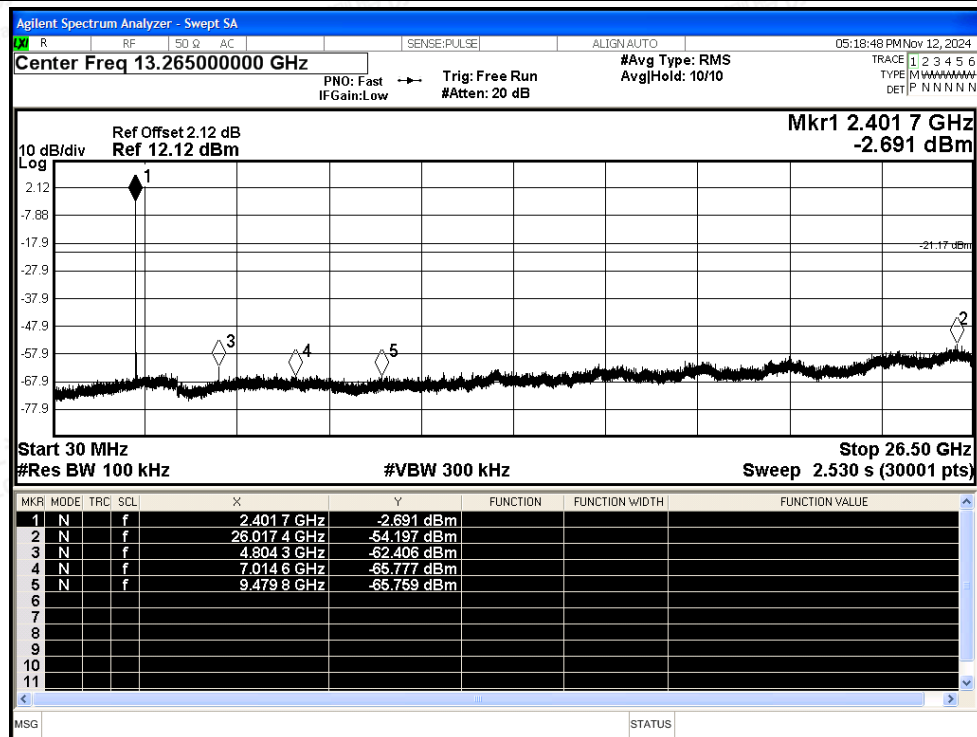


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

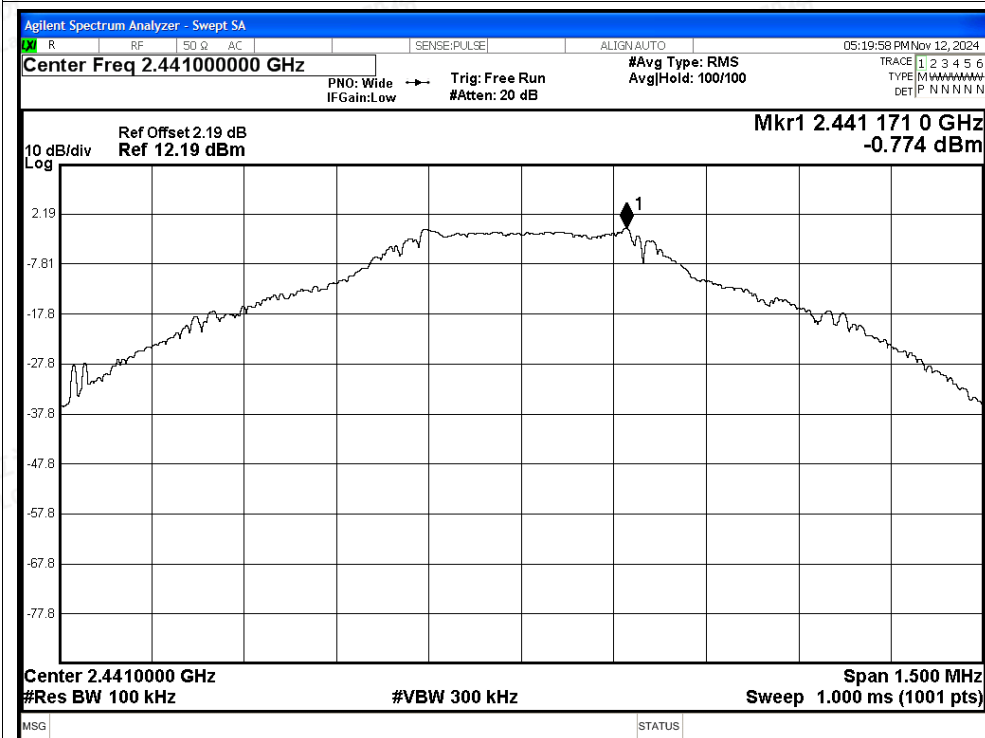


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

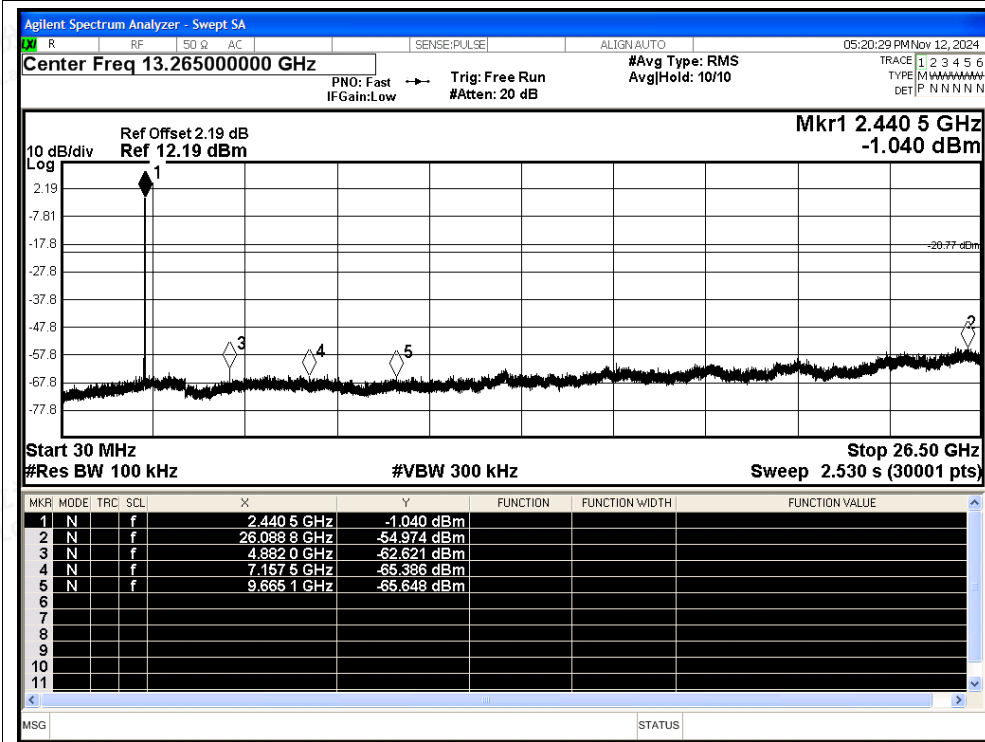




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

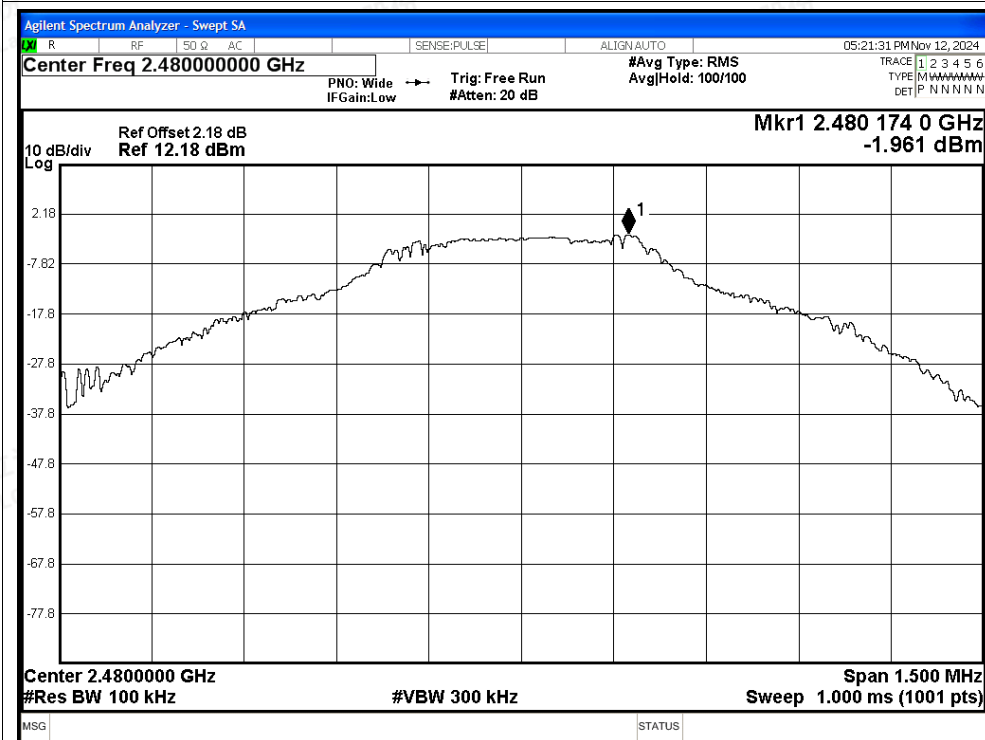


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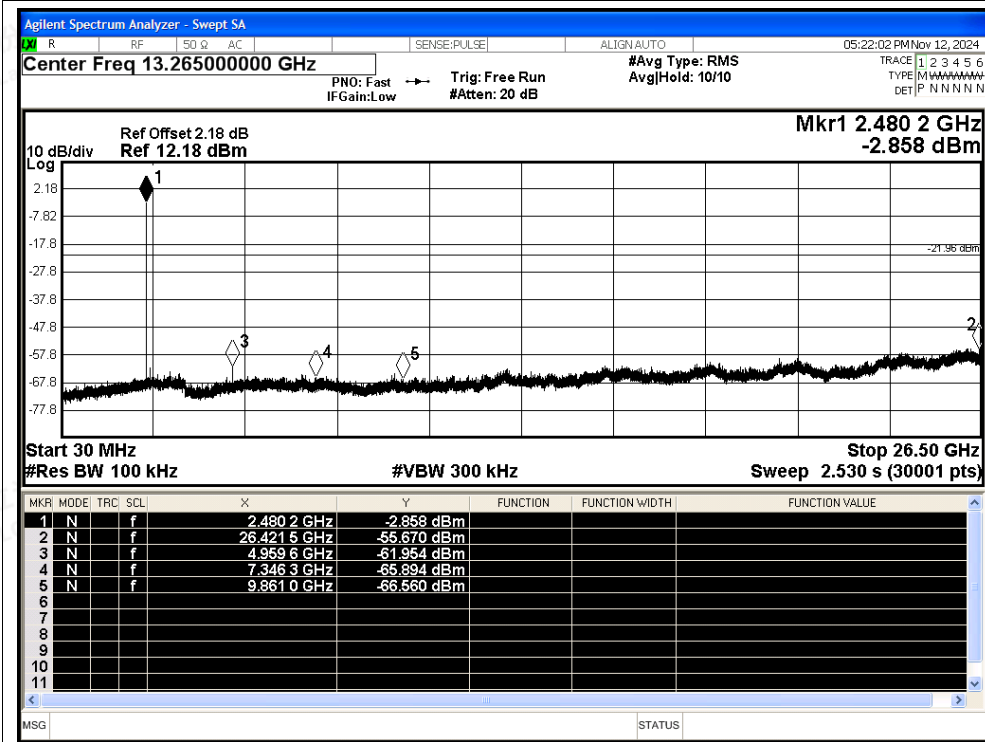




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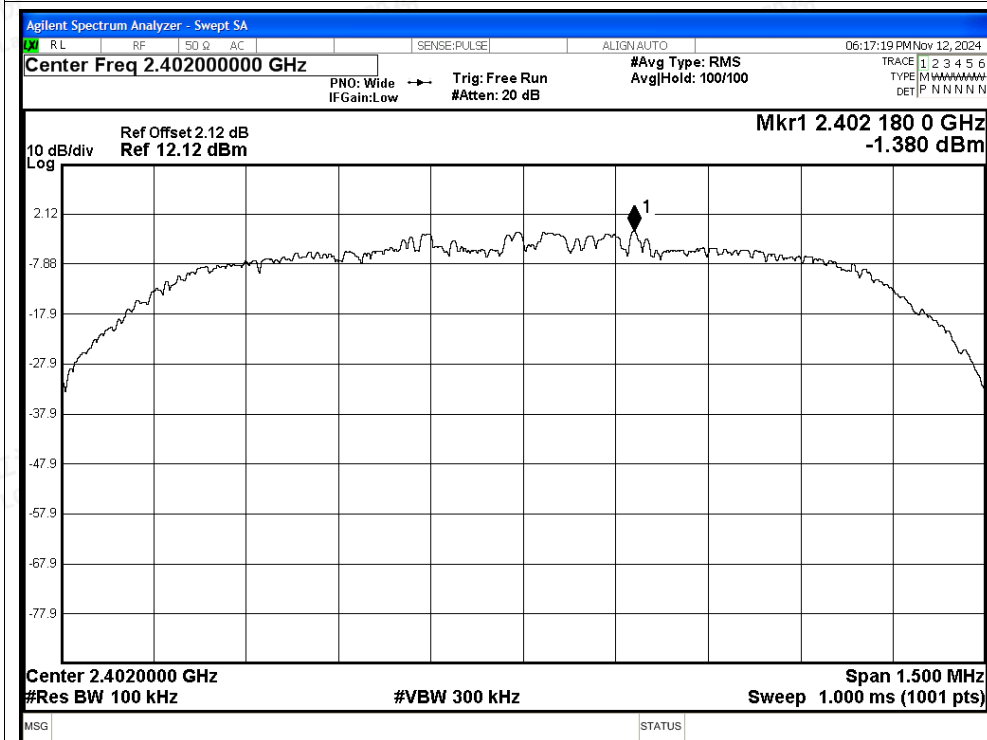


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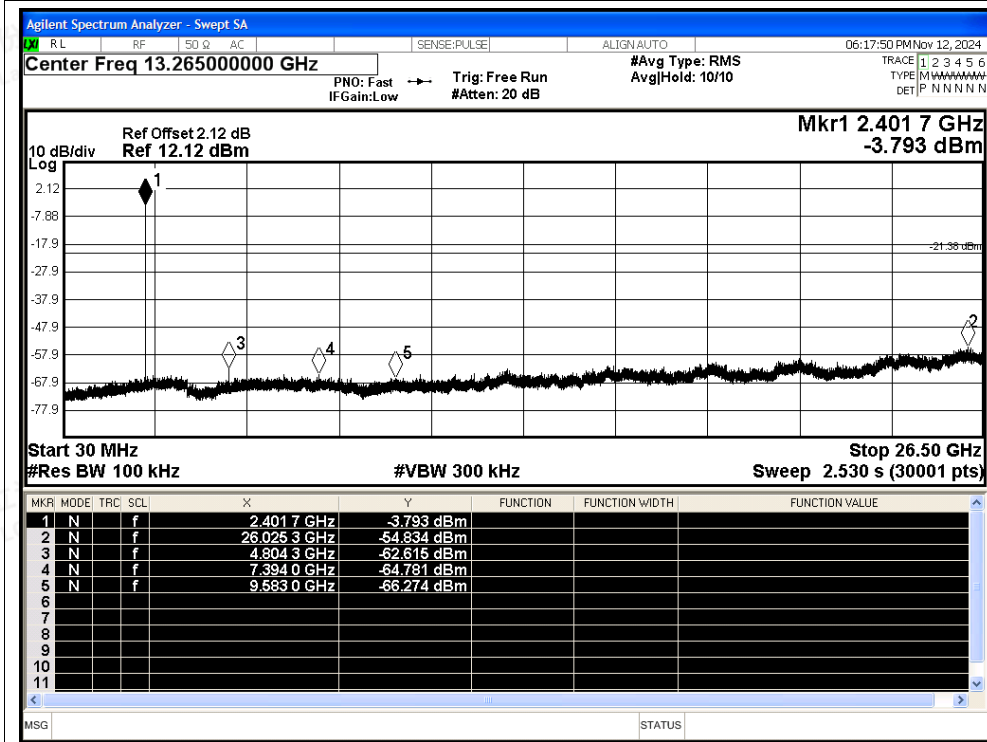




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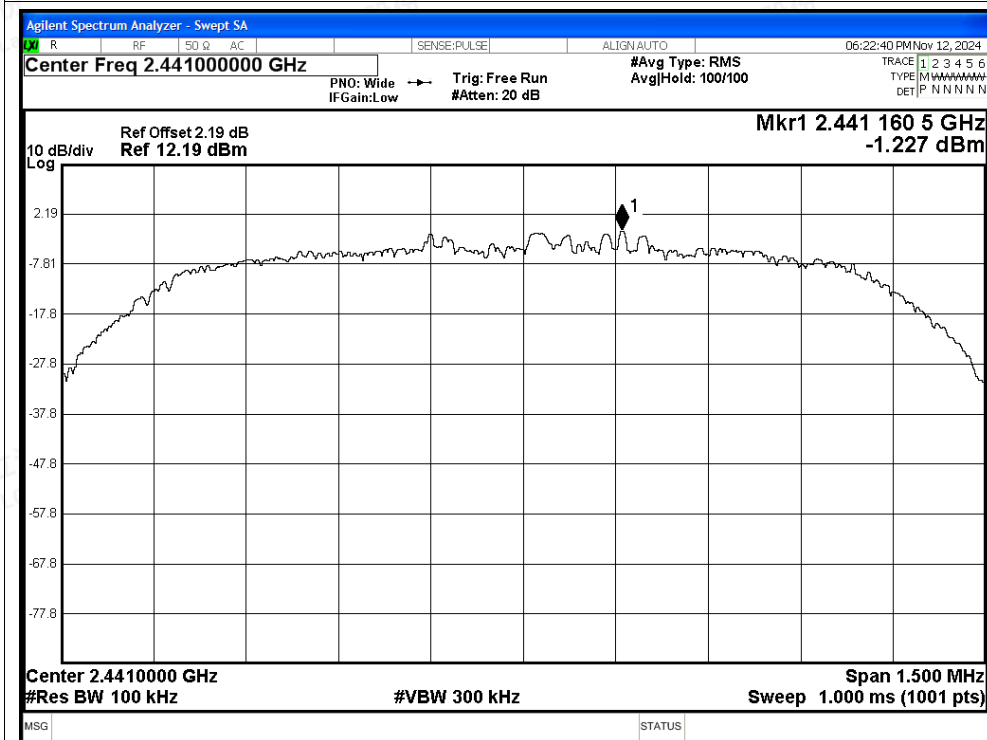


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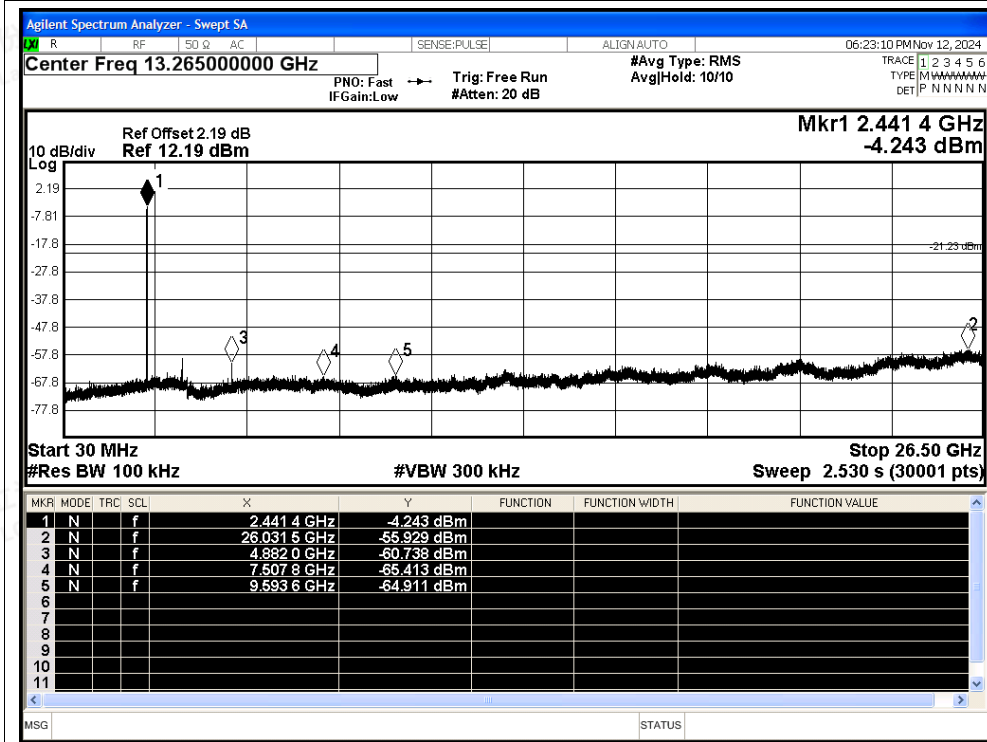




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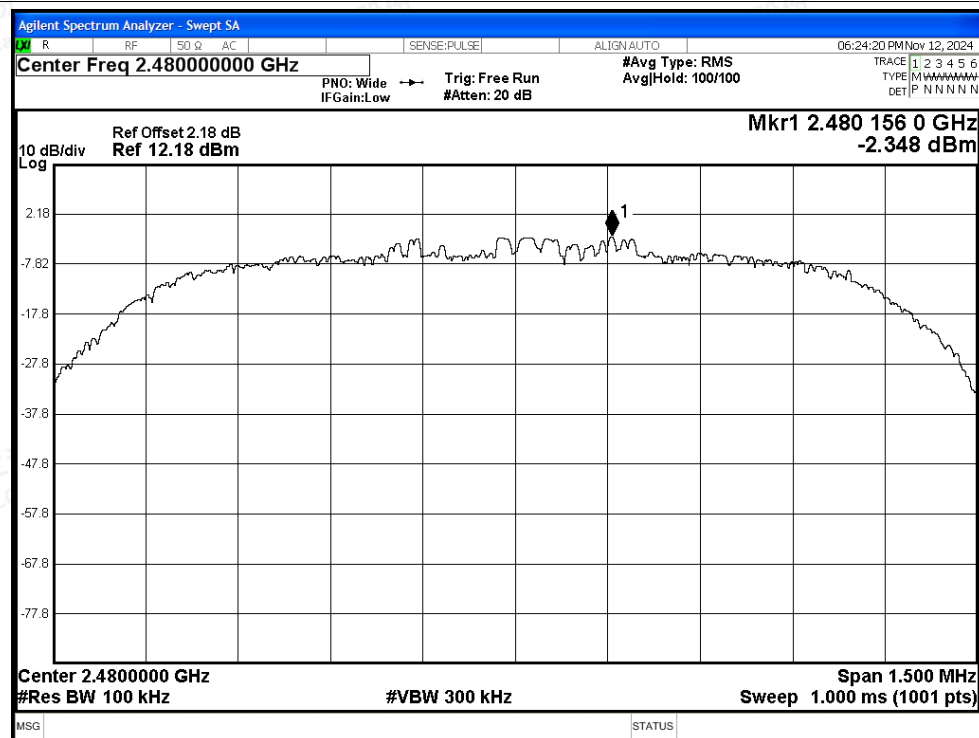


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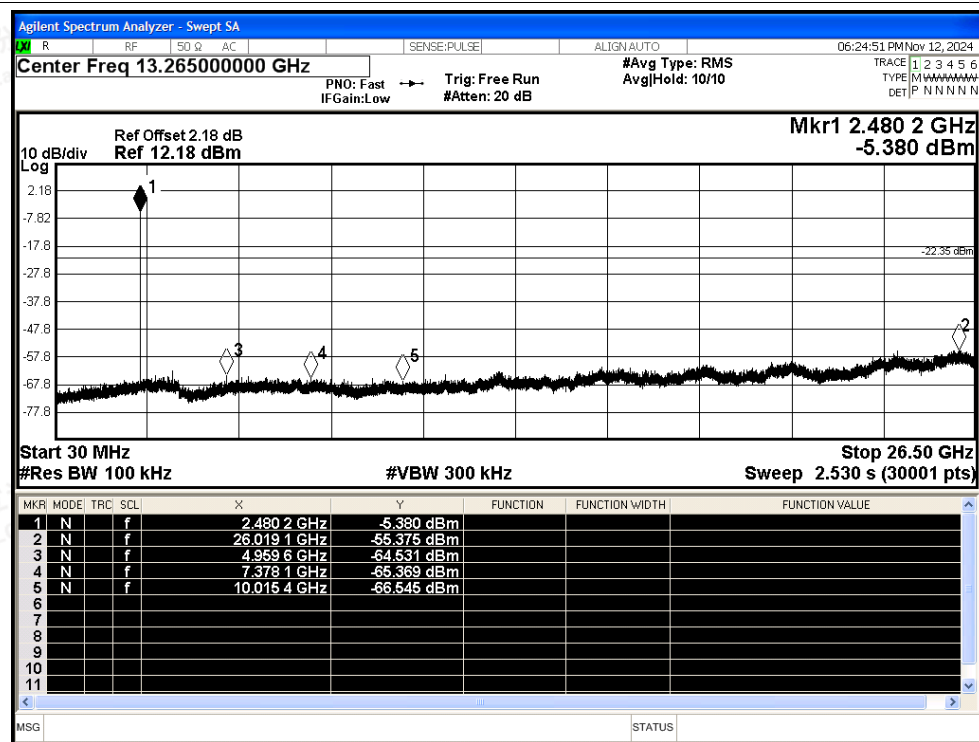




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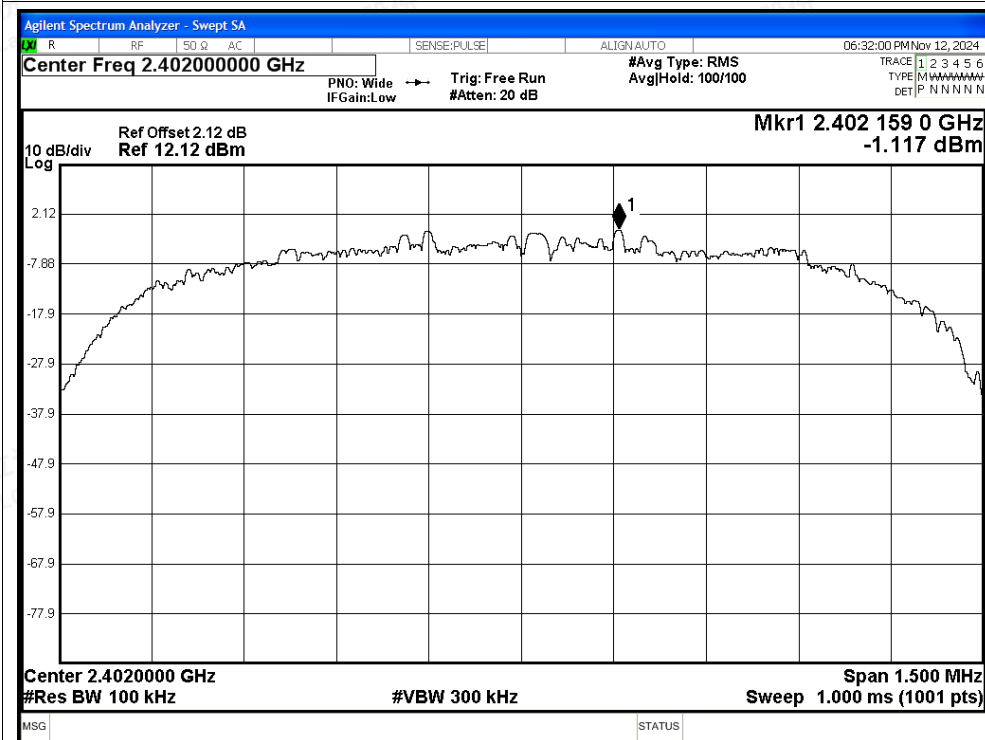


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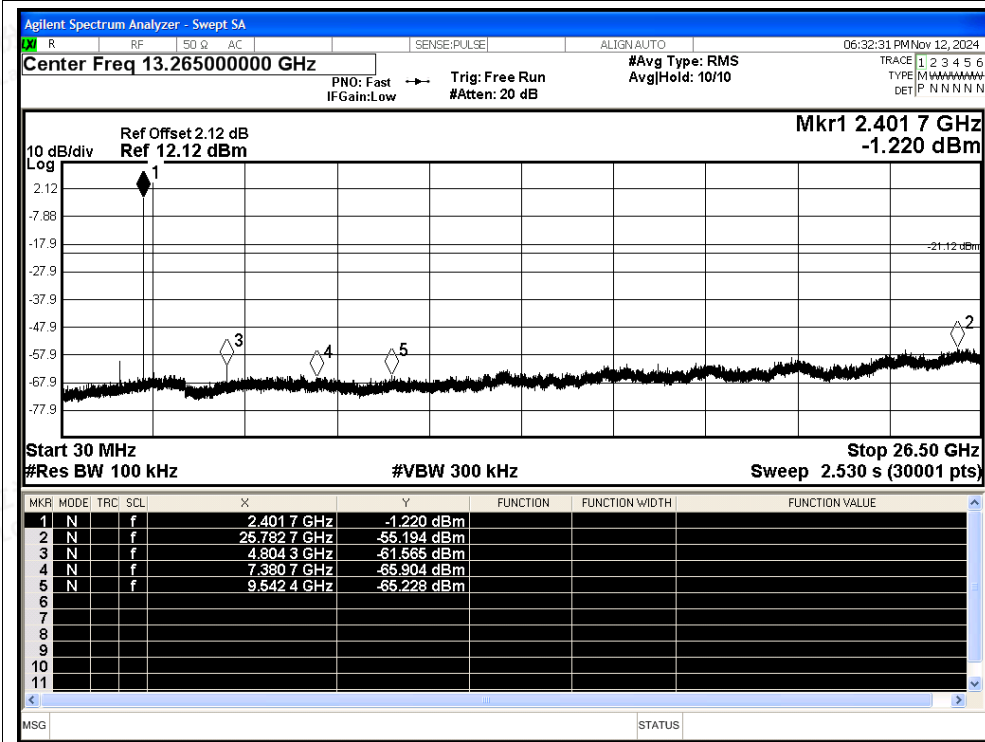




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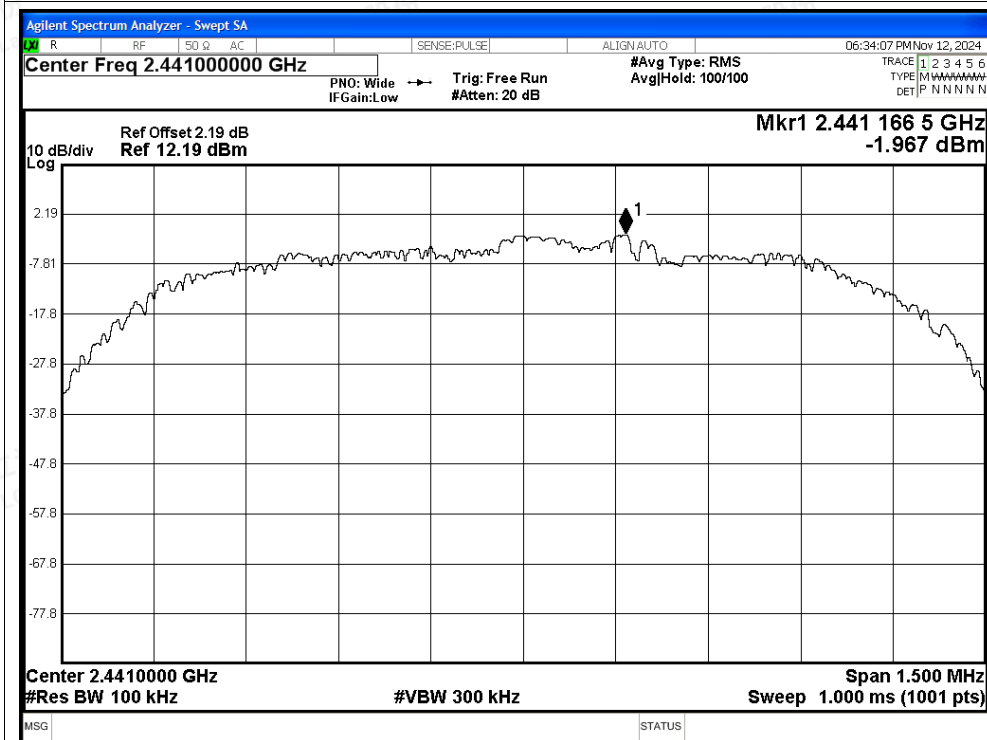


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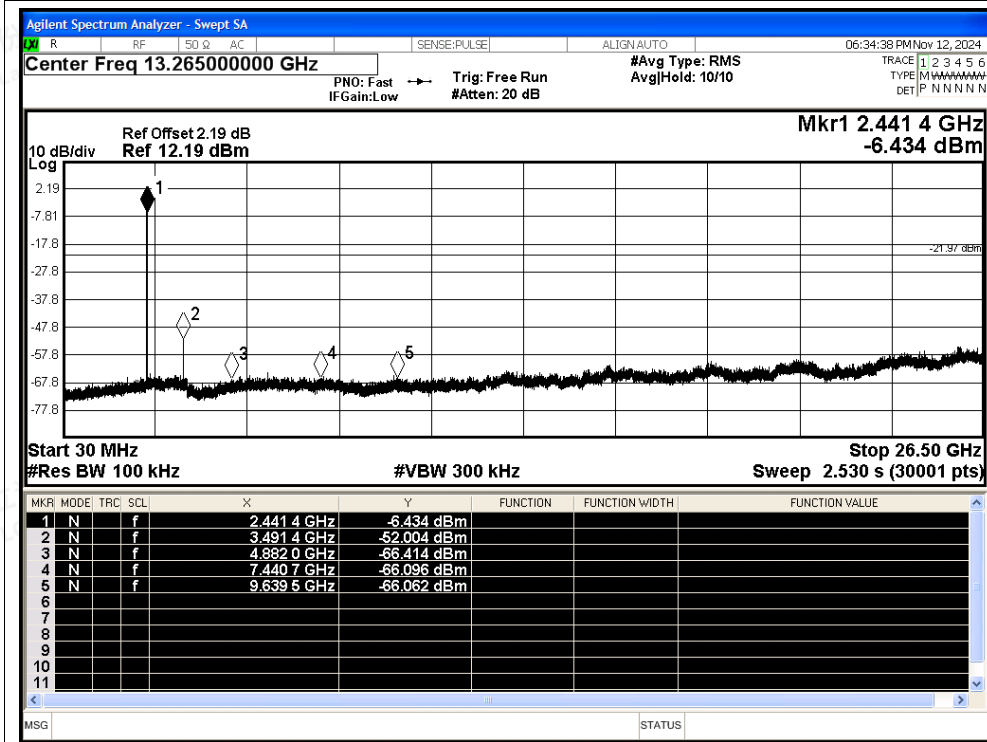




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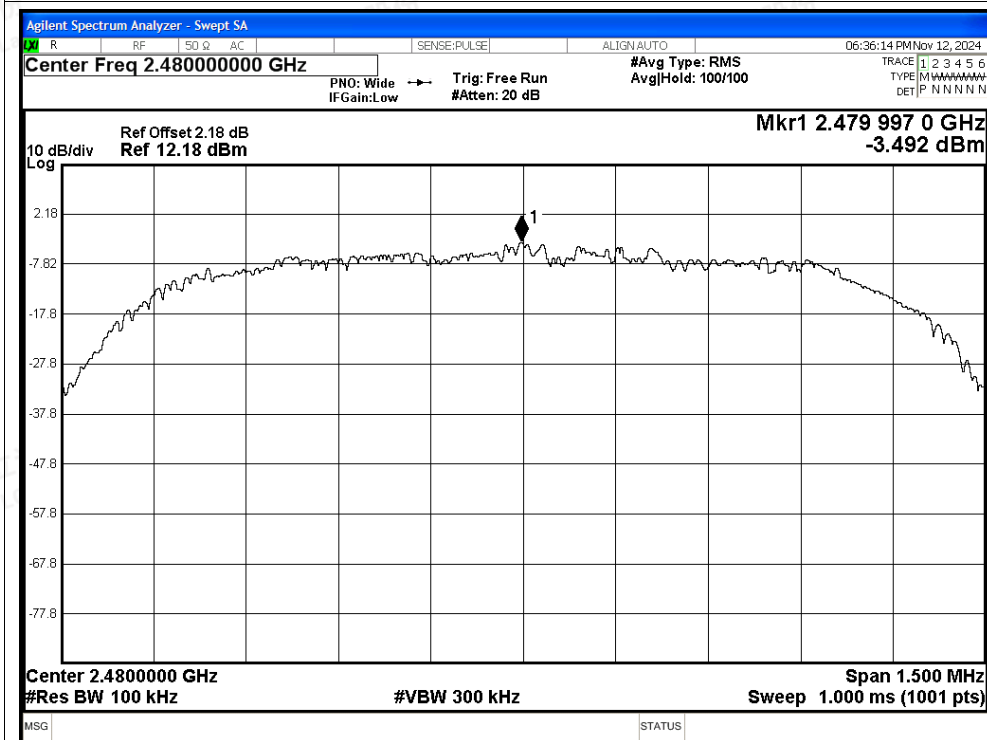


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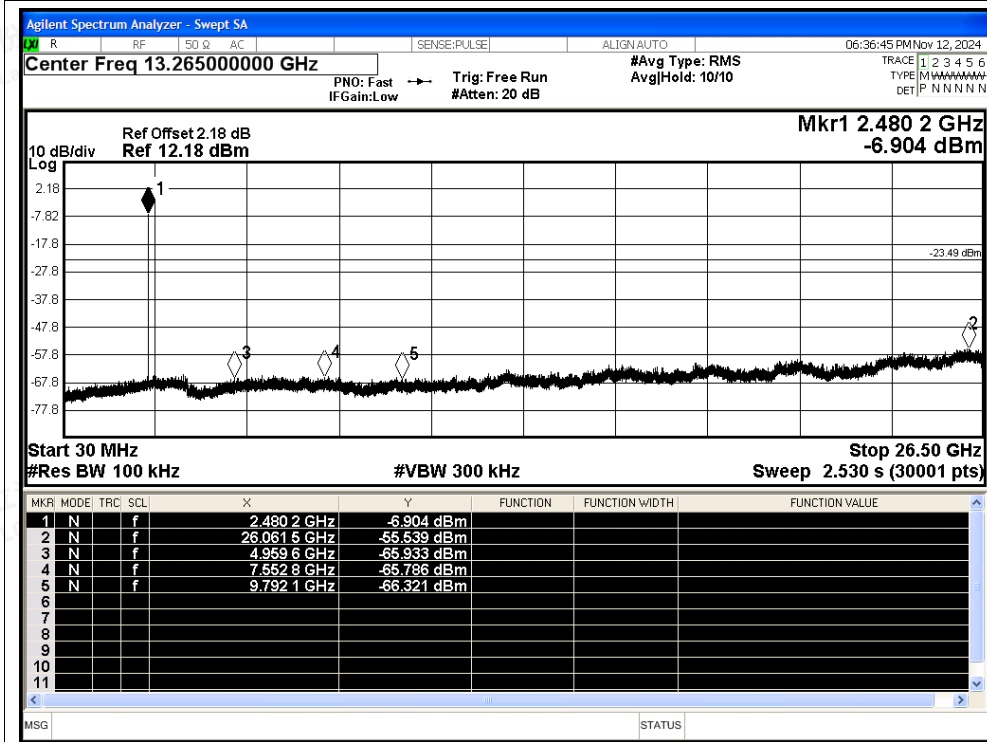




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



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	77.33	1.12	0.34
NVNT	2-DH5	2441	Ant1	77.33	1.12	0.34
NVNT	2-DH5	2480	Ant1	77.28	1.12	0.35
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

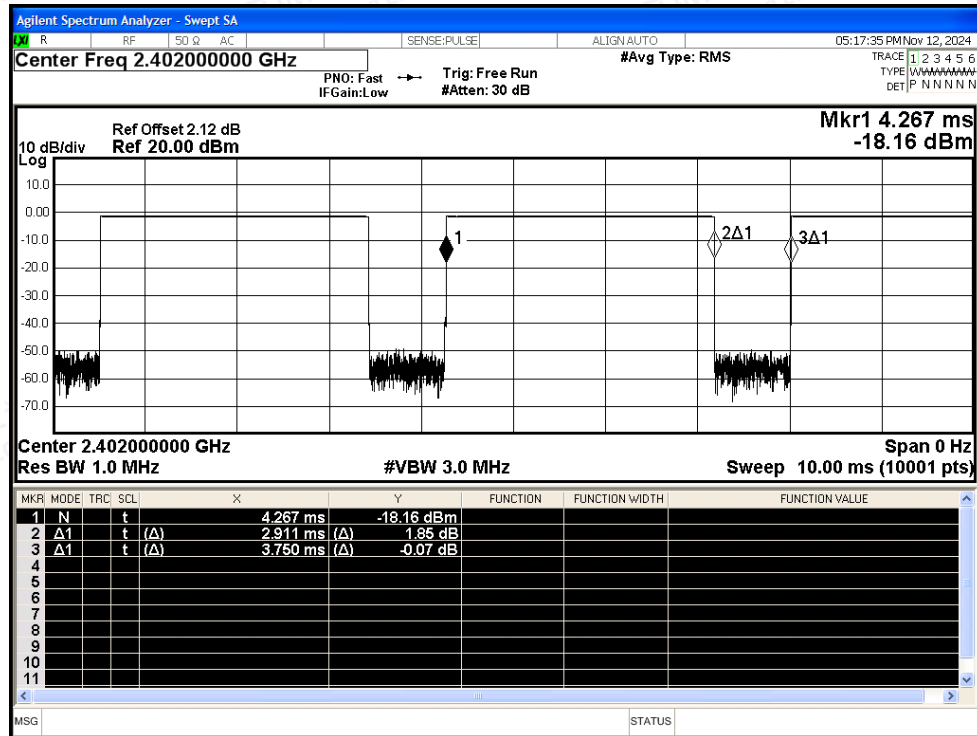


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Scan code to check authenticity

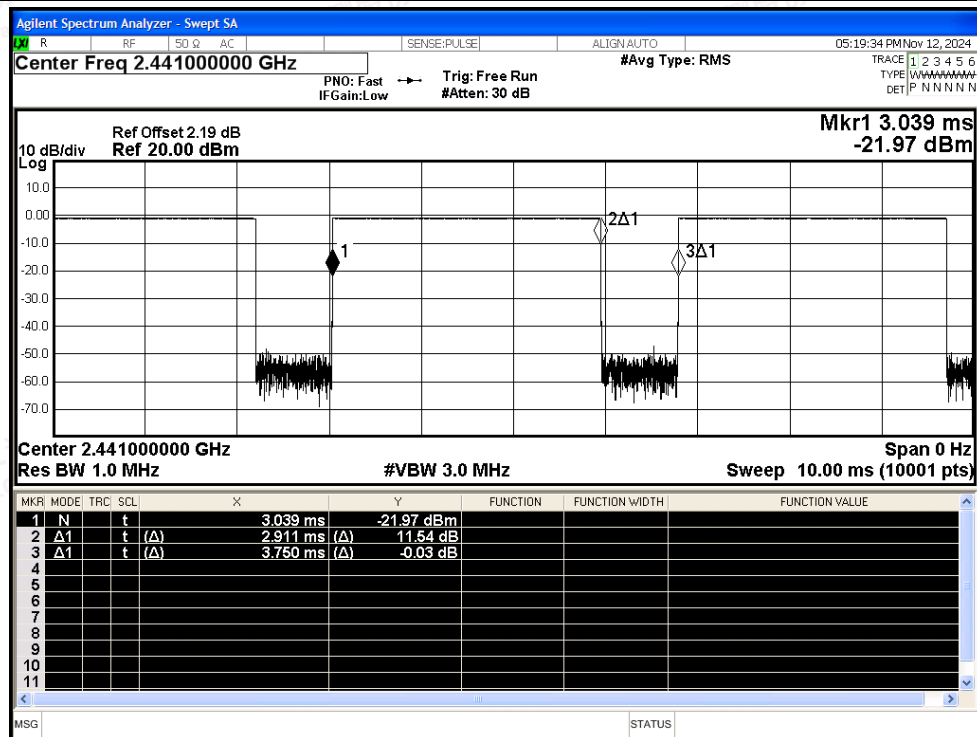


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

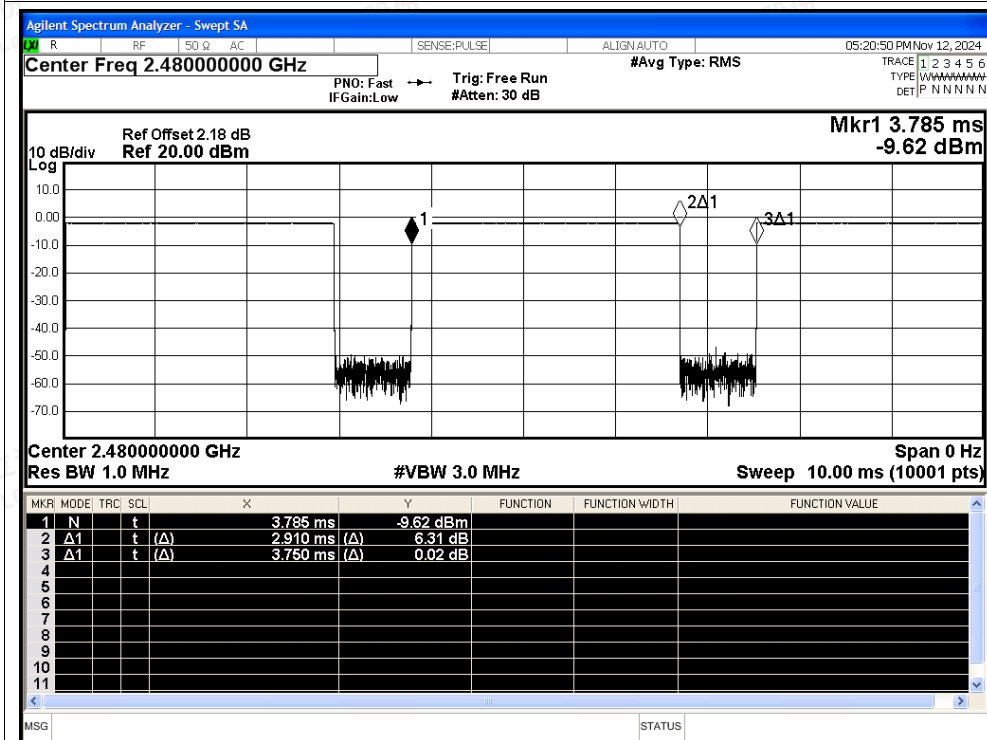


Duty Cycle NVNT 1-DH5 2441MHz Ant1

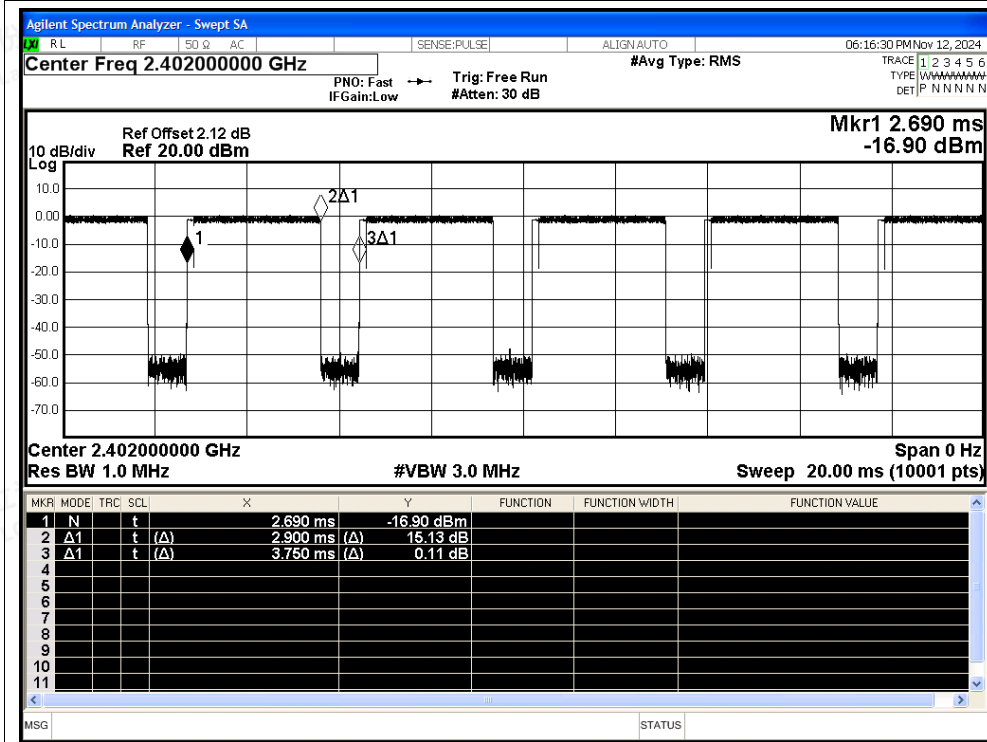




Duty Cycle NVNT 1-DH5 2480MHz Ant1

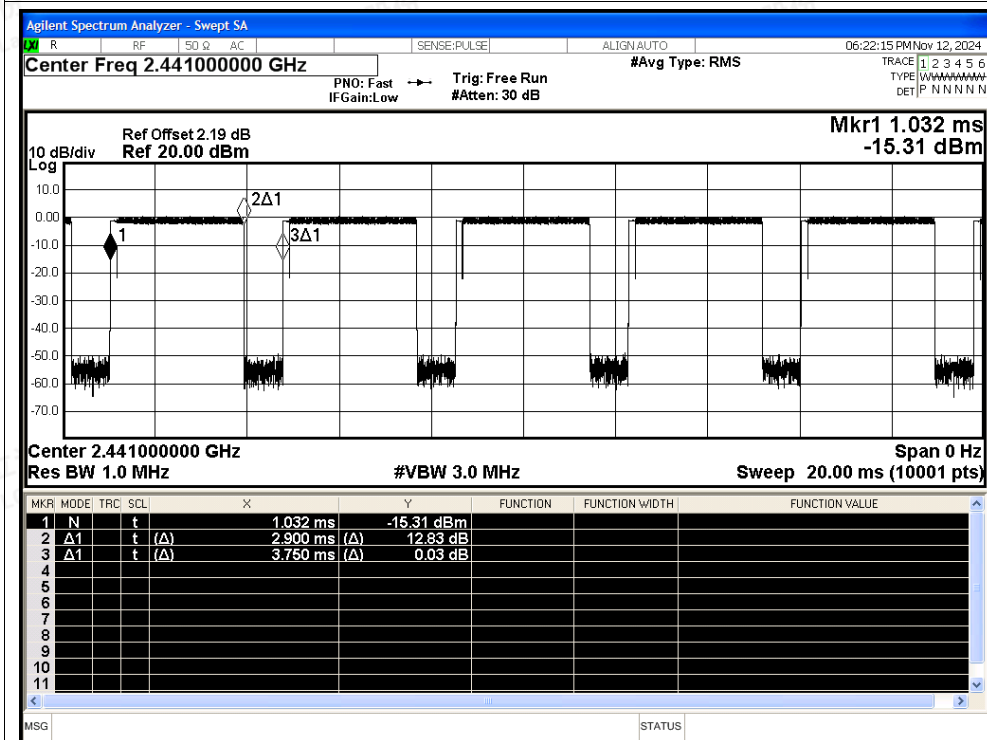


Duty Cycle NVNT 2-DH5 2402MHz Ant1

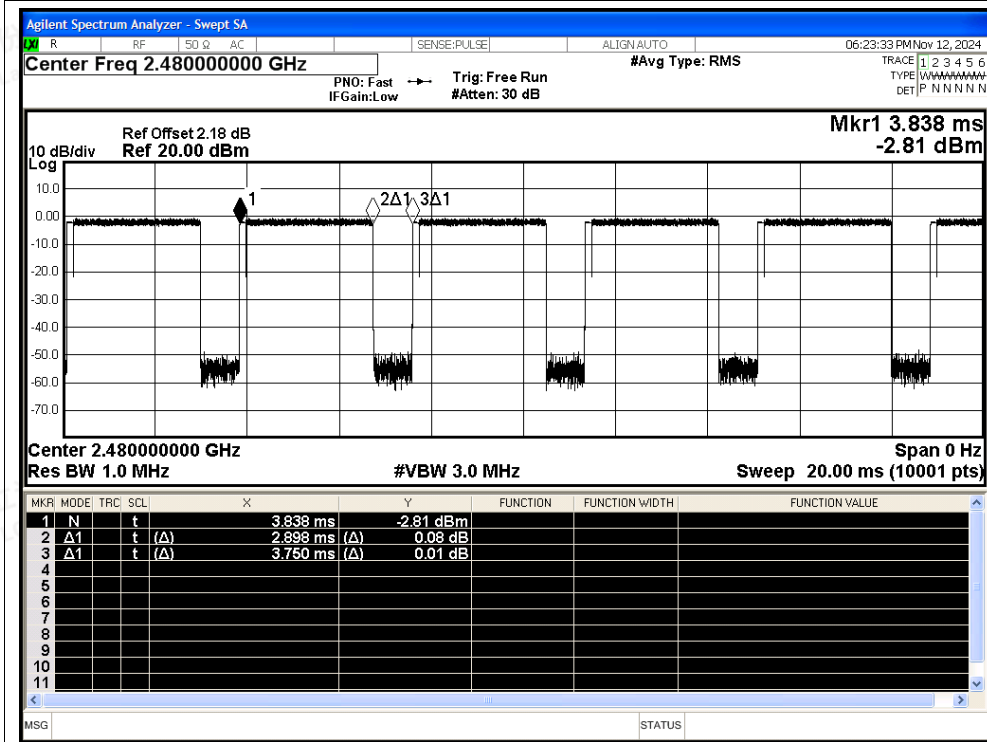




Duty Cycle NVNT 2-DH5 2441MHz Ant1

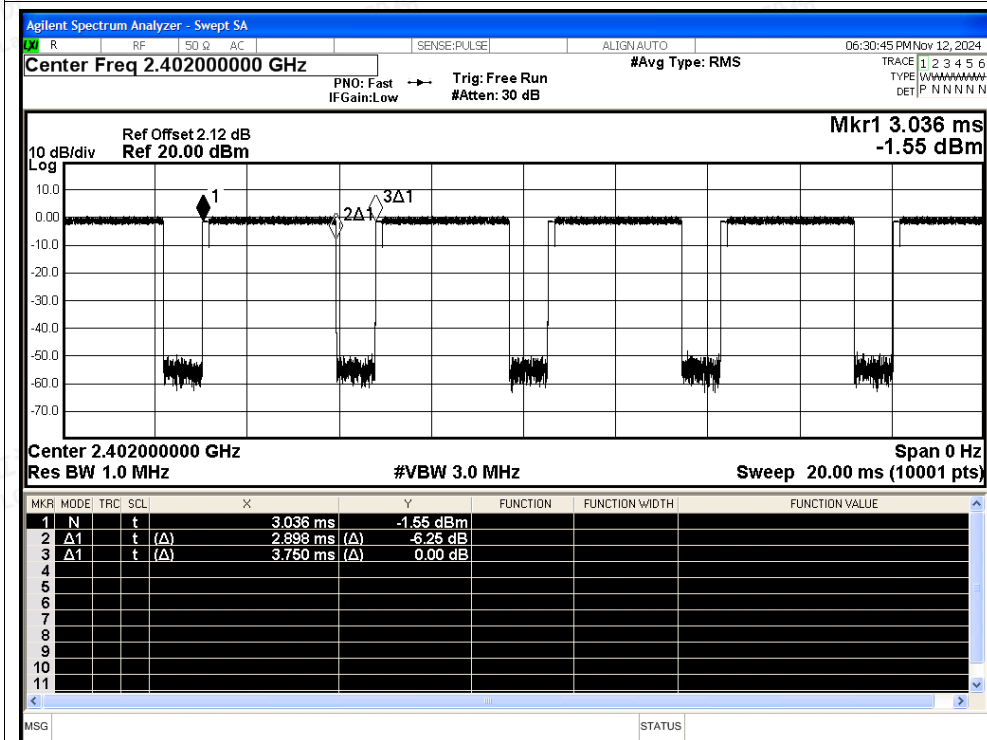


Duty Cycle NVNT 2-DH5 2480MHz Ant1

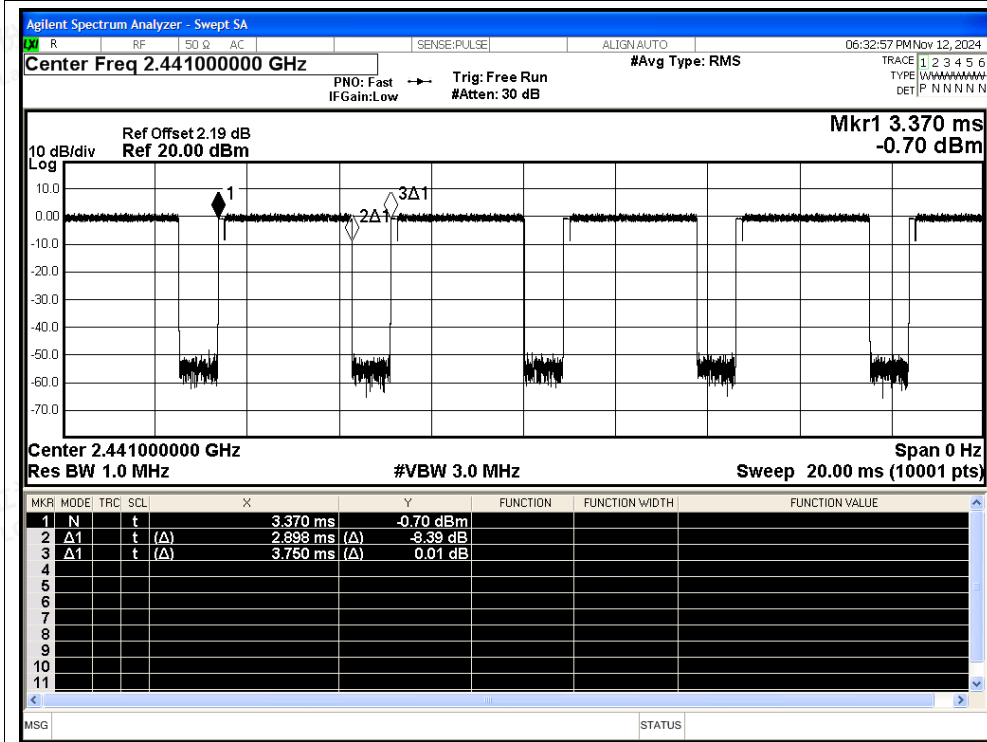


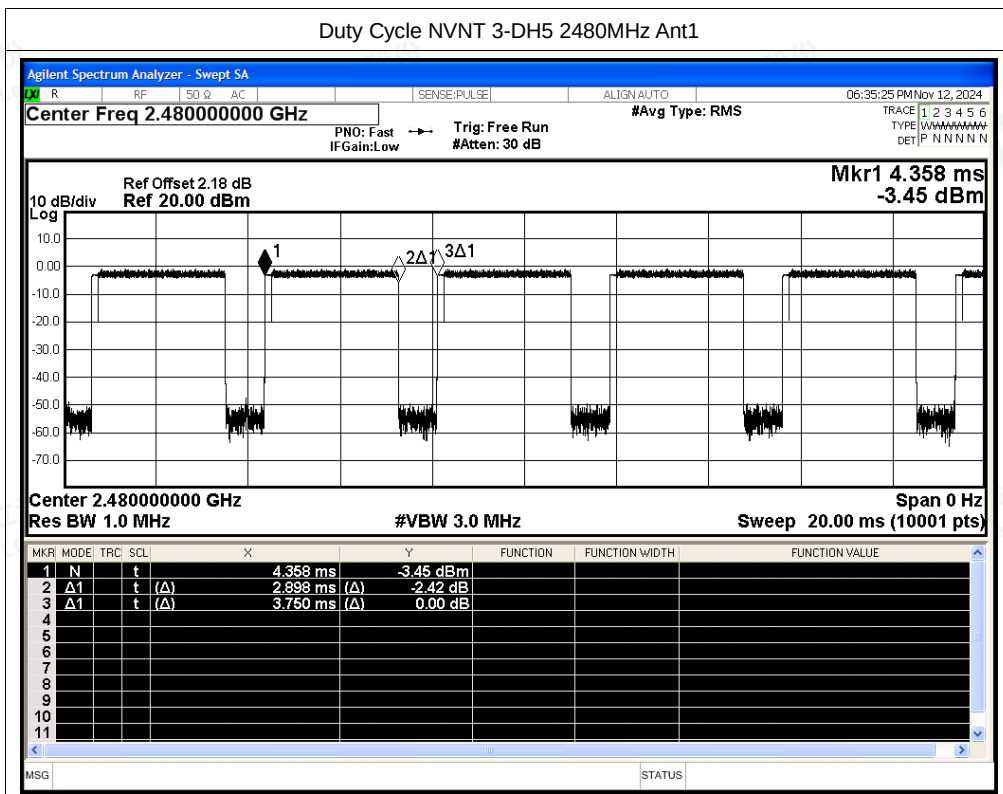


Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz 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	-49.78	2.07	-	47.55	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.28	2.07	1.1	40.15	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2382.192	-47.33	2.07	-	50.00	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2385.84	-57.4	2.07	1.1	41.03	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-48.61	2.07	-	48.72	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.73	2.07	1.1	39.70	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.87	2.07	-	47.46	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.34	2.07	1.1	41.09	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2487.232	-46.04	2.07	-	51.29	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.192	-57.02	2.07	1.1	41.41	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.88	2.07	-	48.45	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.49	2.07	1.1	40.94	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.18	2.07	-	45.15	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-59.09	2.07	1.12	39.36	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2383.344	-46.49	2.07	-	50.84	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2348.304	-57.71	2.07	1.12	40.74	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.36	2.07	-	46.97	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.79	2.07	1.12	40.66	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.67	2.07	-	46.66	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.37	2.07	1.12	41.08	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2488.096	-46.09	2.07	-	51.24	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2490.592	-56.98	2.07	1.12	41.47	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.68	2.07	-	48.65	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.28	2.07	1.12	40.17	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51	2.07	-	46.33	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.7	2.07	1.12	39.75	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2371.44	-47.02	2.07	-	50.31	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.488	-57.66	2.07	1.12	40.79	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.98	2.07	-	47.35	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.07	2.07	1.12	40.38	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.29	2.07	-	47.04	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-57.74	2.07	1.12	40.71	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2498.728	-46.47	2.07	-	50.86	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2499.448	-57.08	2.07	1.12	41.37	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.13	2.07	-	48.20	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.62	2.07	1.12	39.83	Average	54	Pass

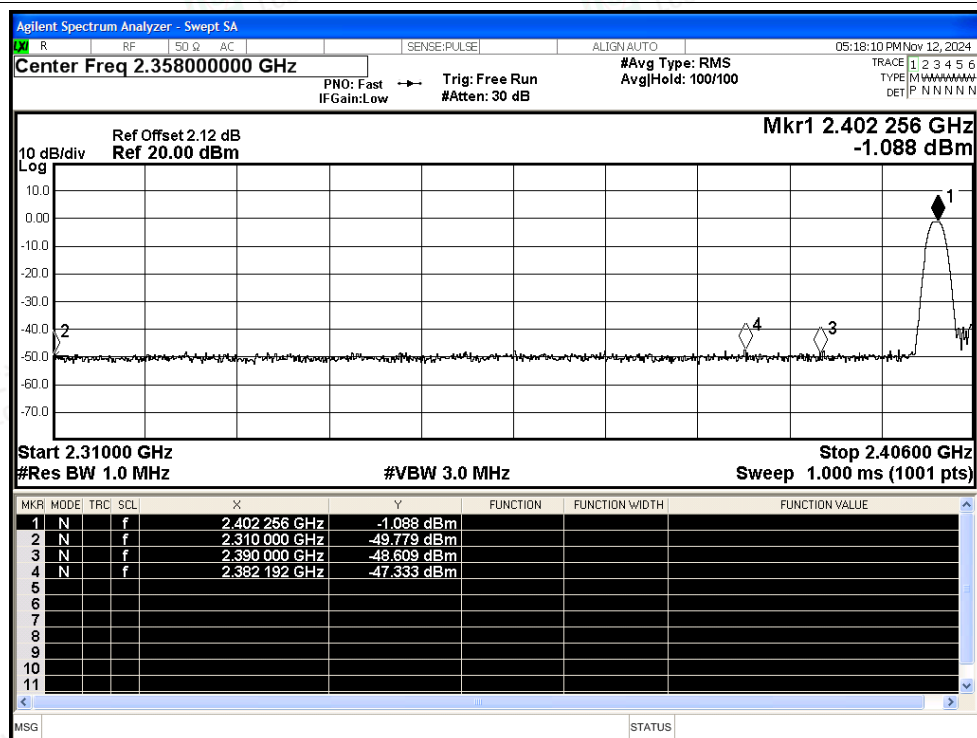


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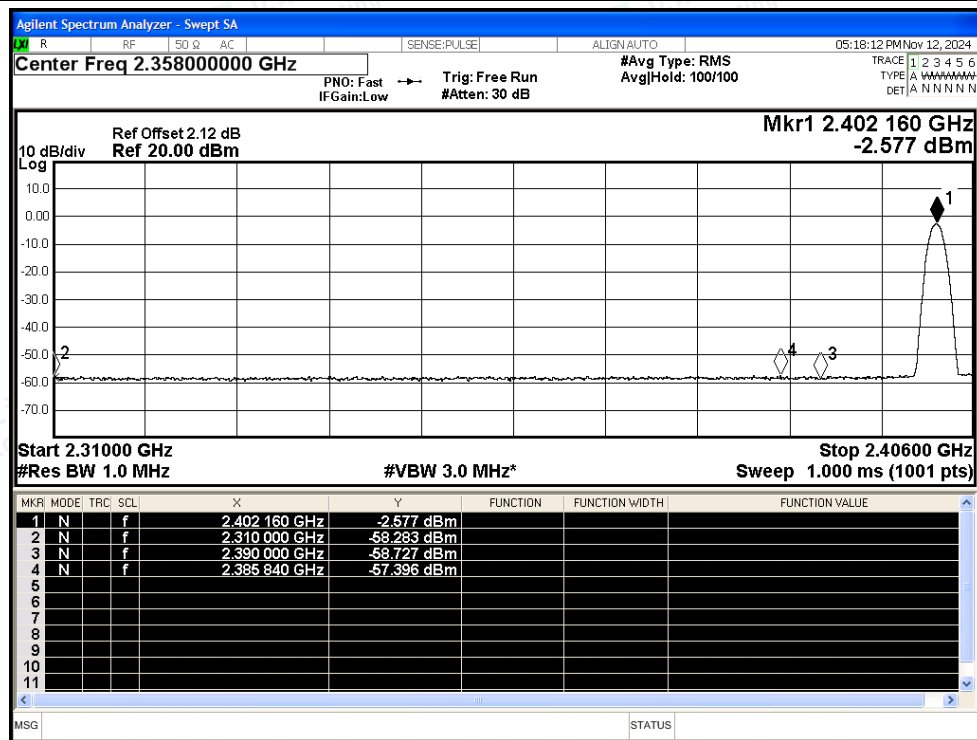


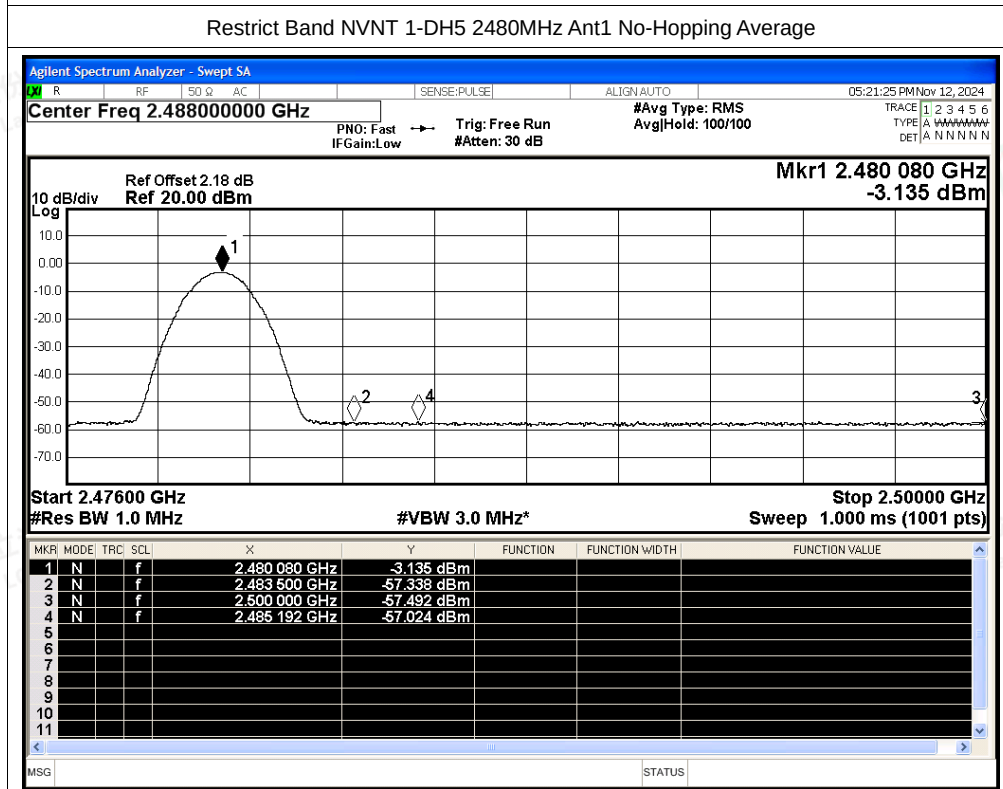
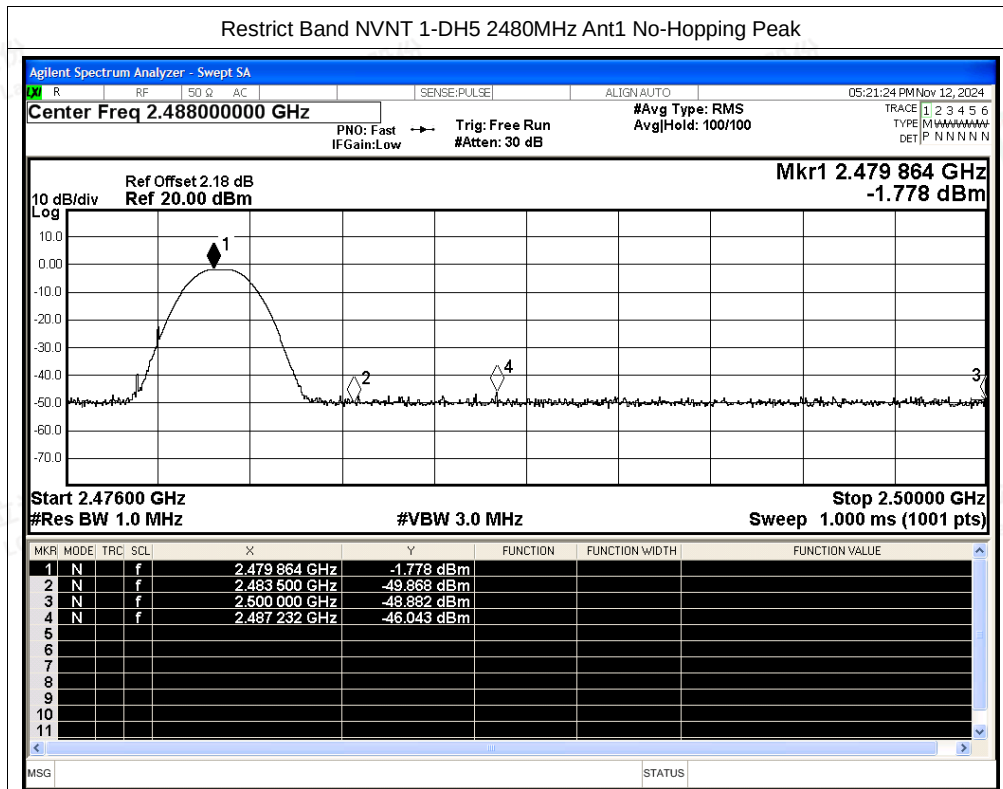
Test Graphs

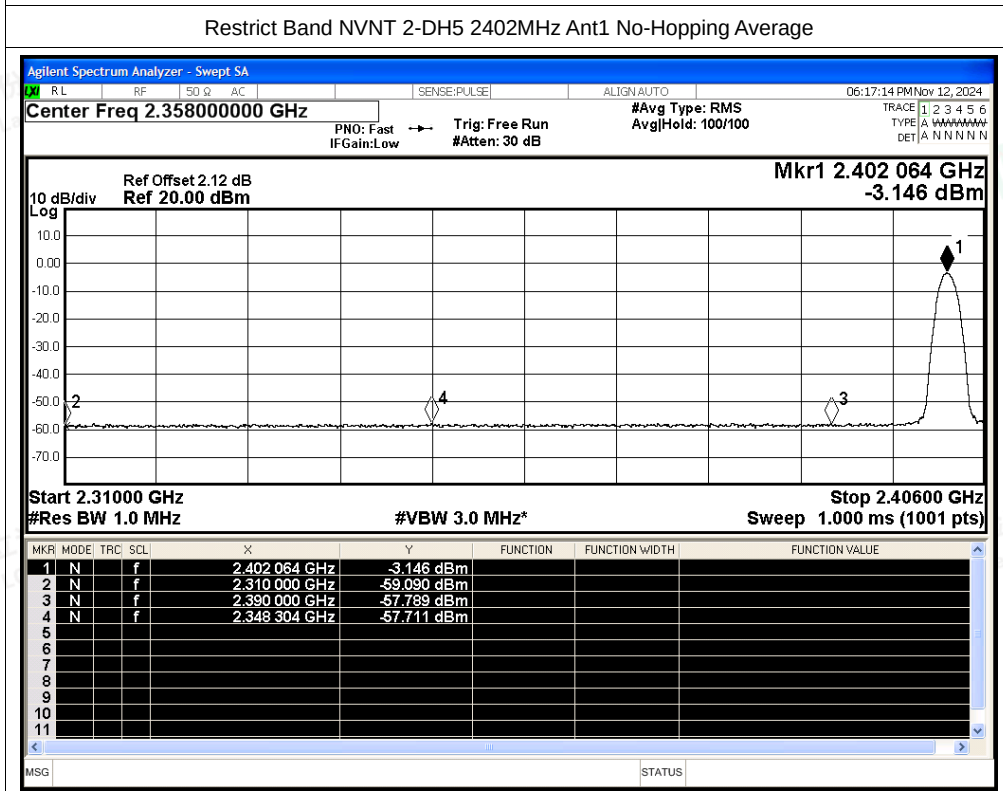
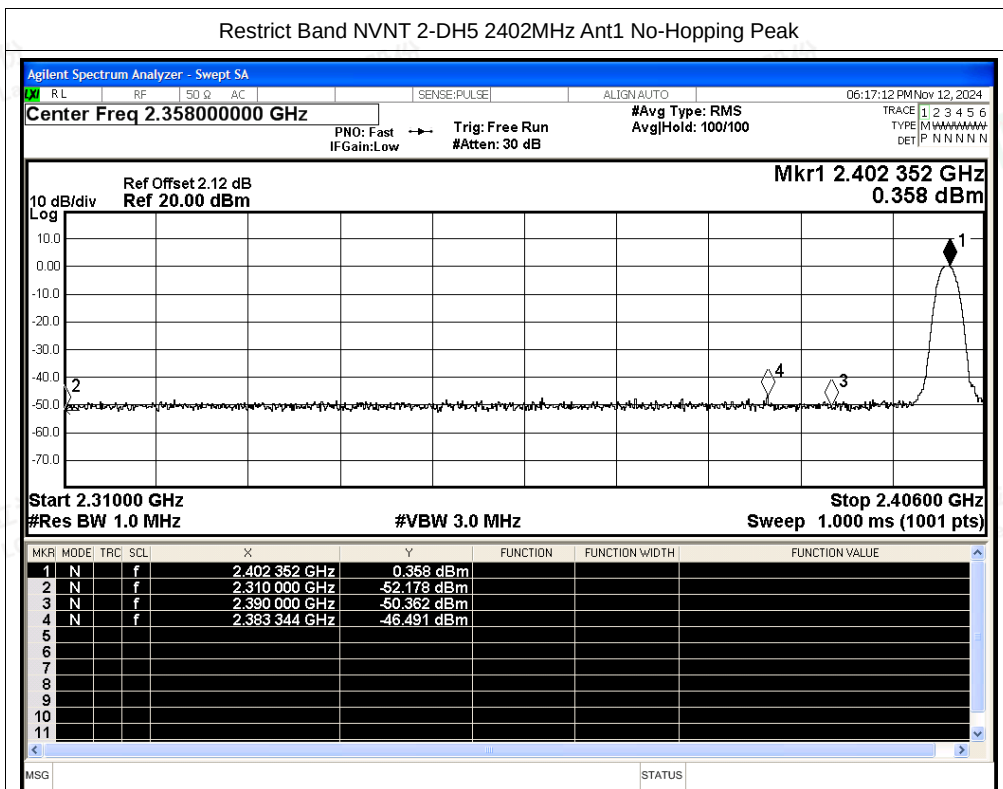
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



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

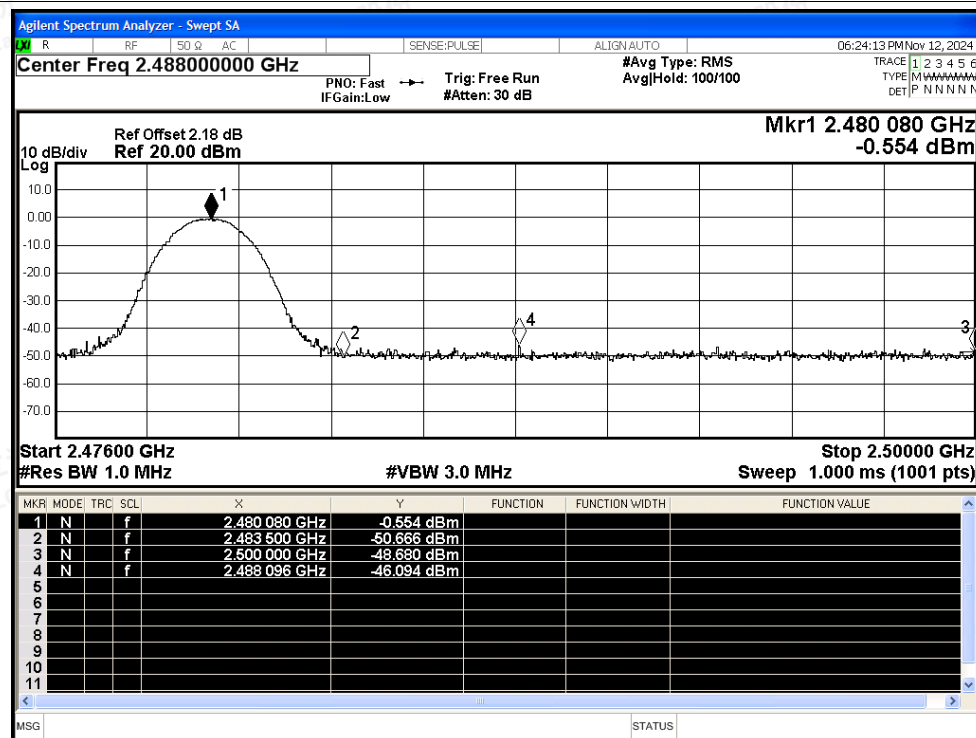




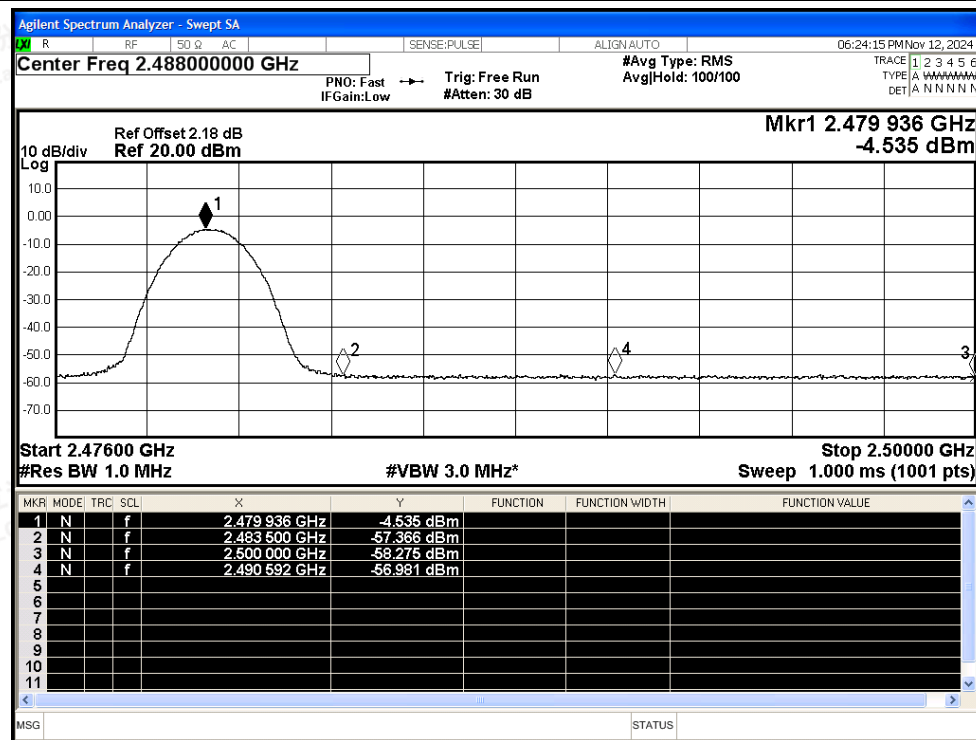


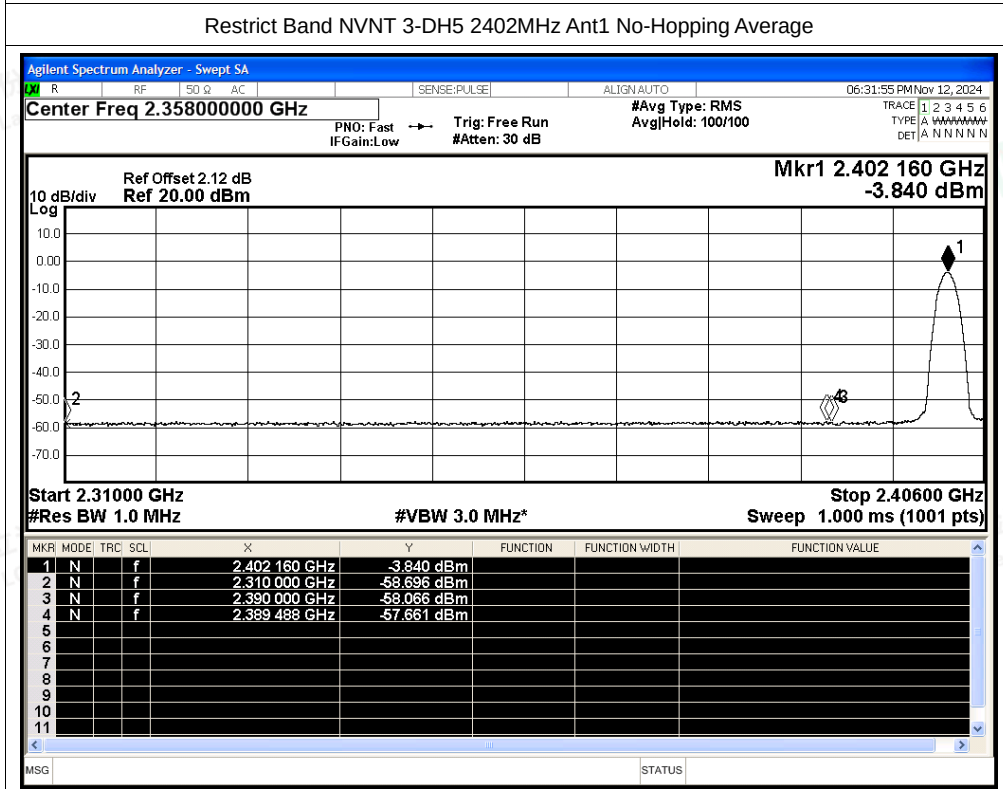
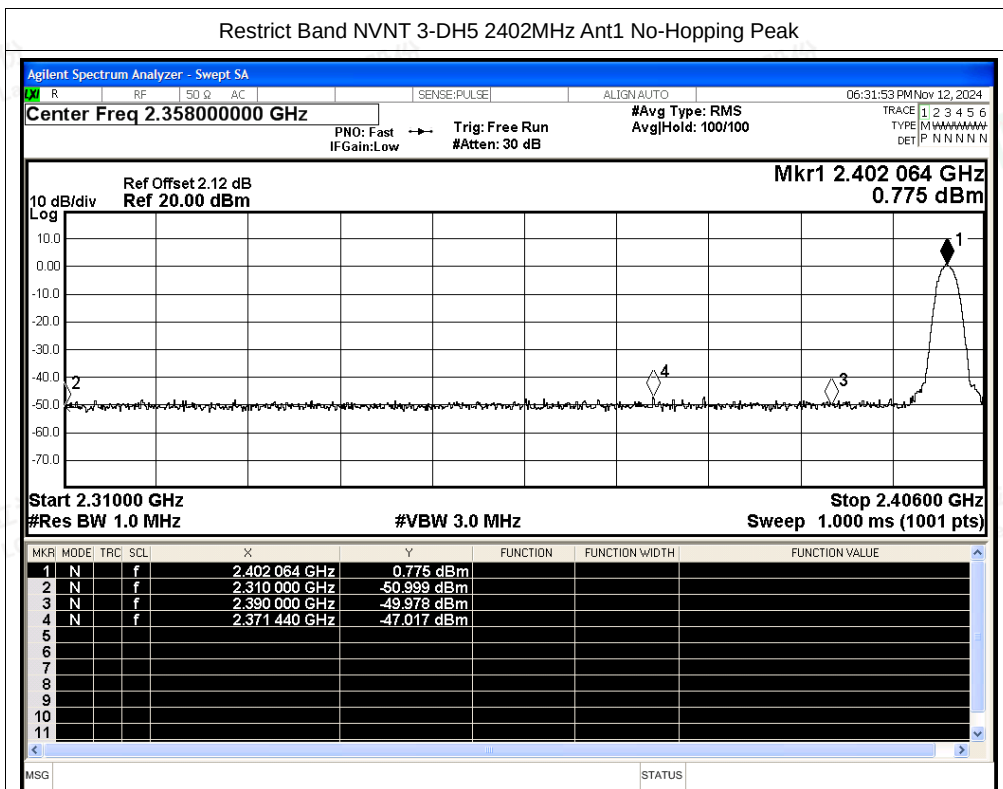


Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



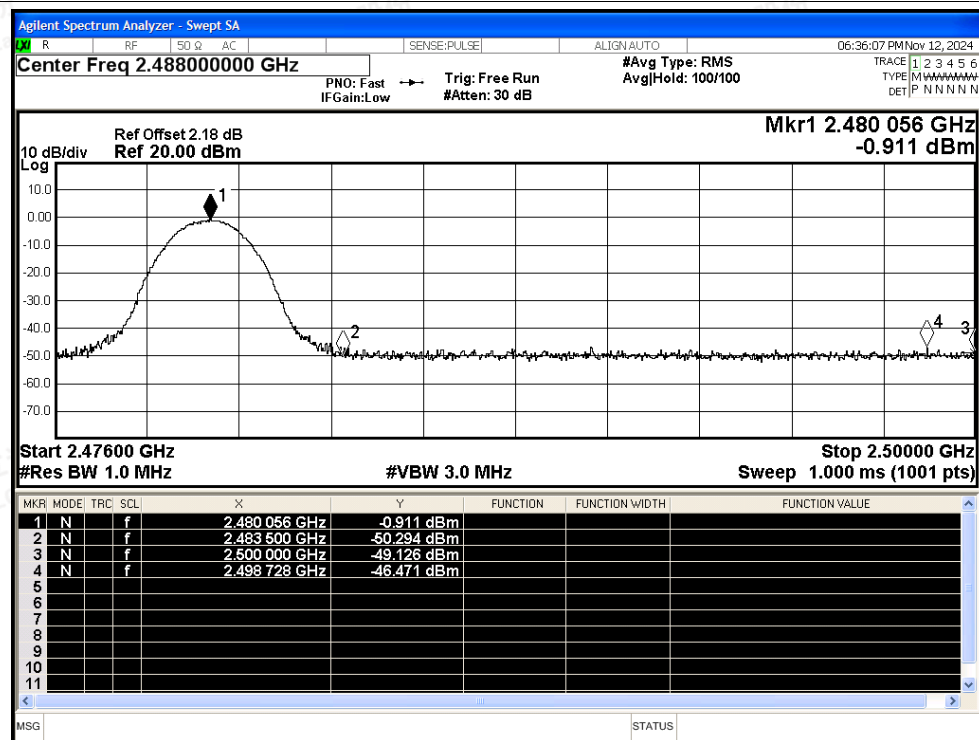
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average







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



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

