

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TABLET PC

Test Model: RubensTab T14

Environmental Conditions

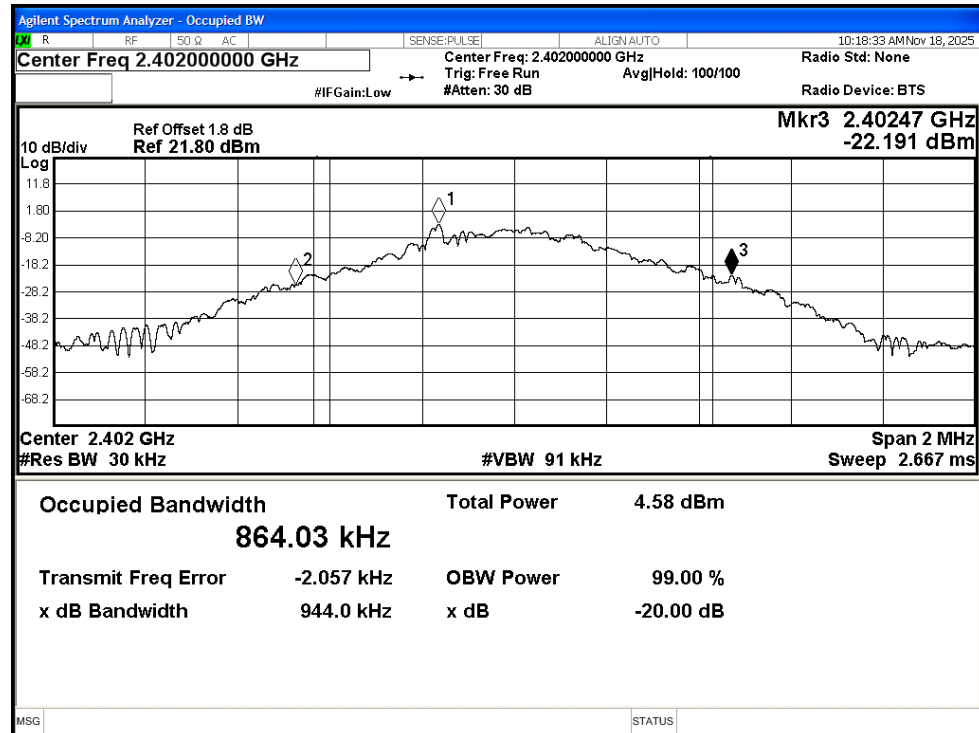
Temperature:	23.2°C
Relative Humidity:	54.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Suichao Lai
Supervised by:	Yan Chen

A.1 -20dB Bandwidth

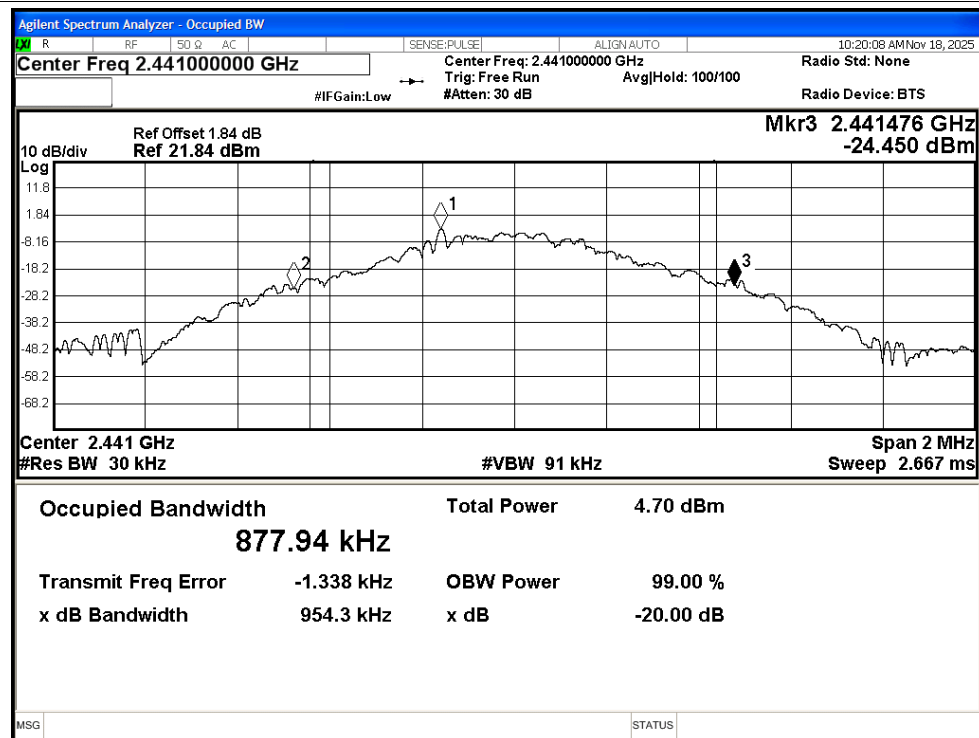
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.944	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.954	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.97	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.346	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.287	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.31	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.3	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.297	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.3	N/A	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



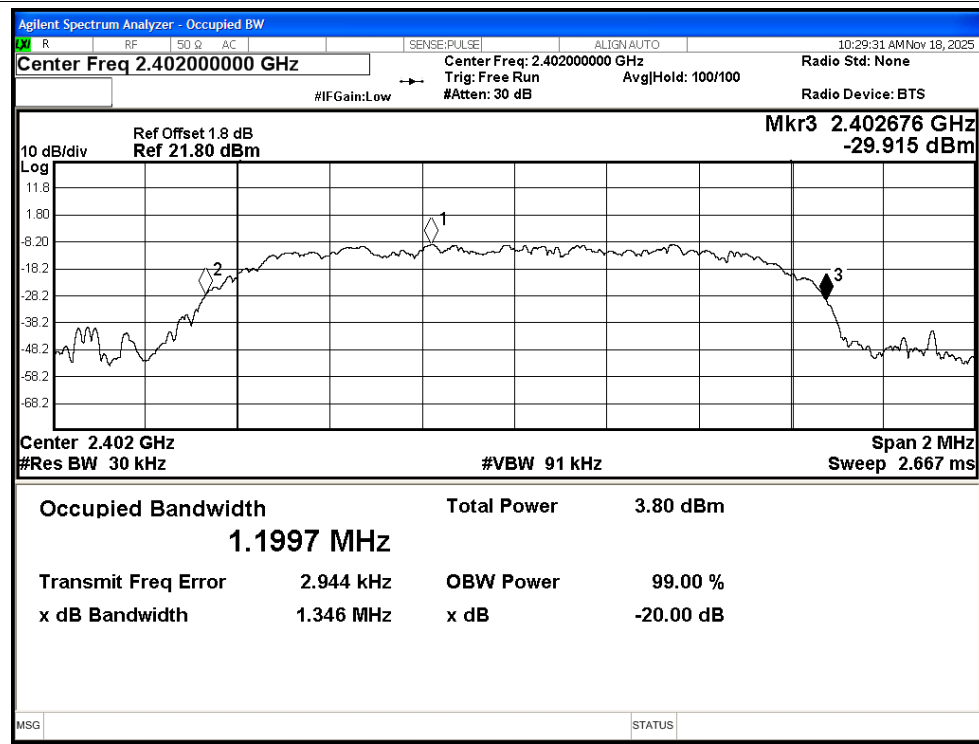
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



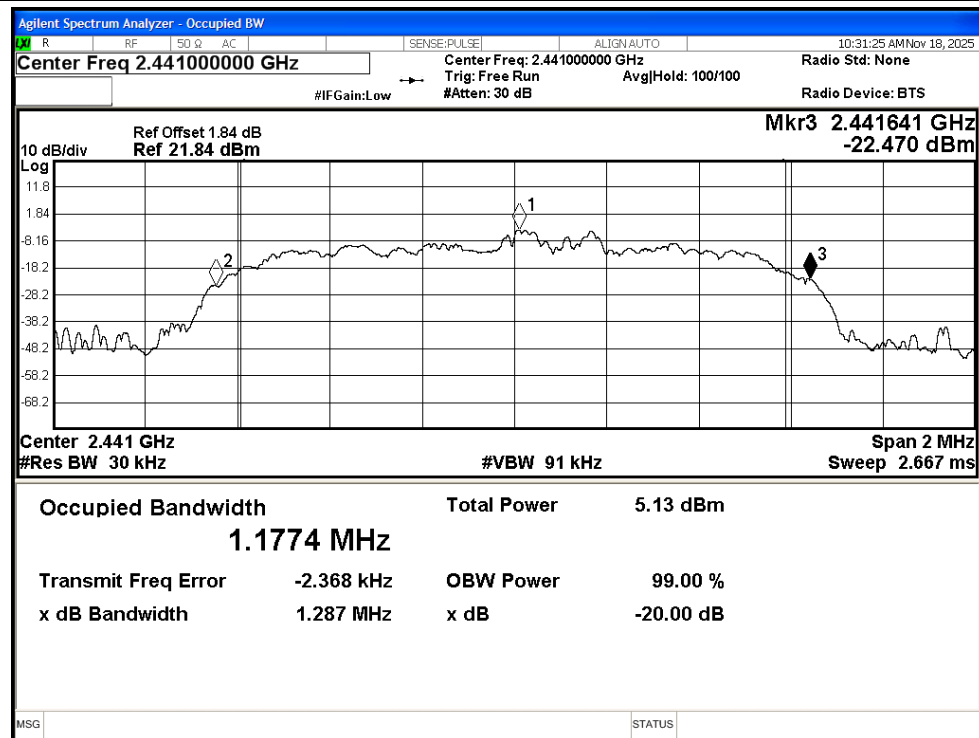
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



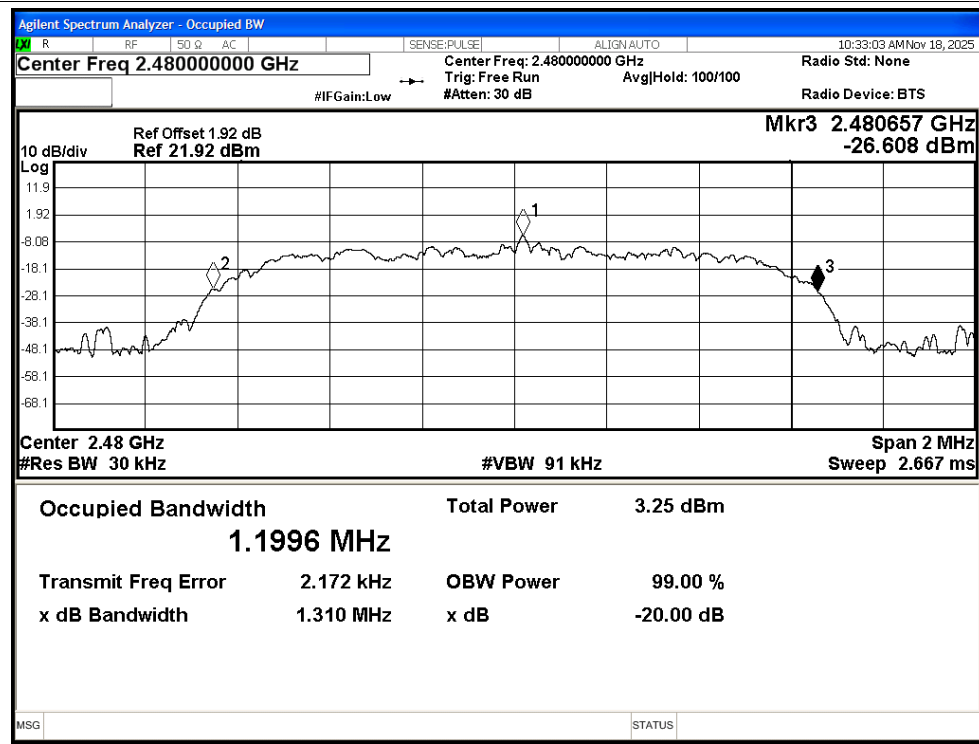
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



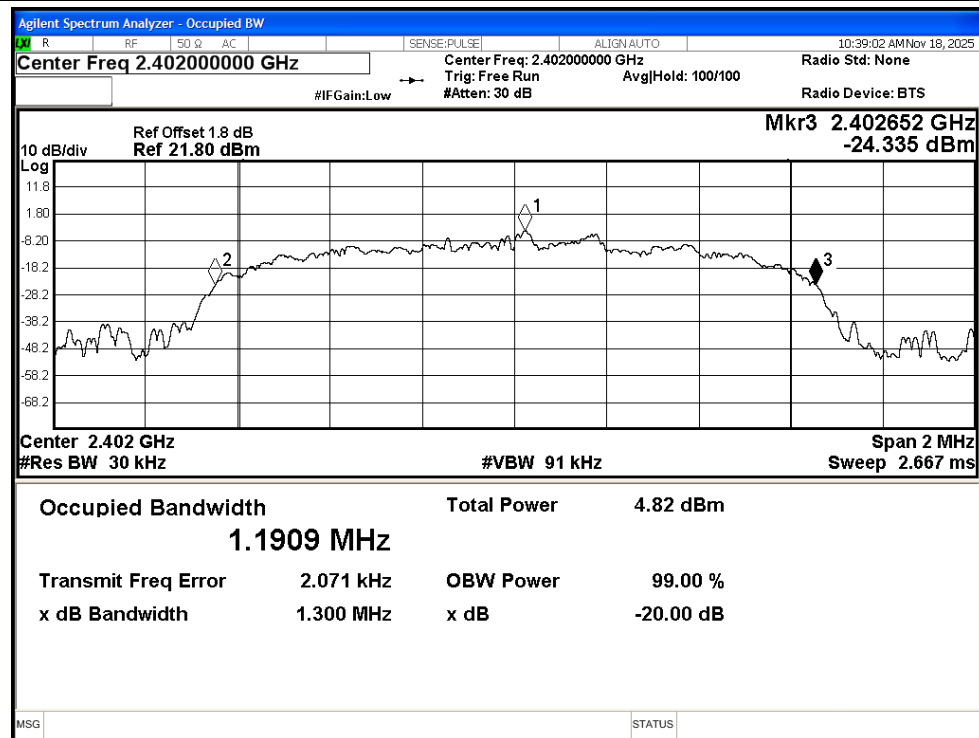
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



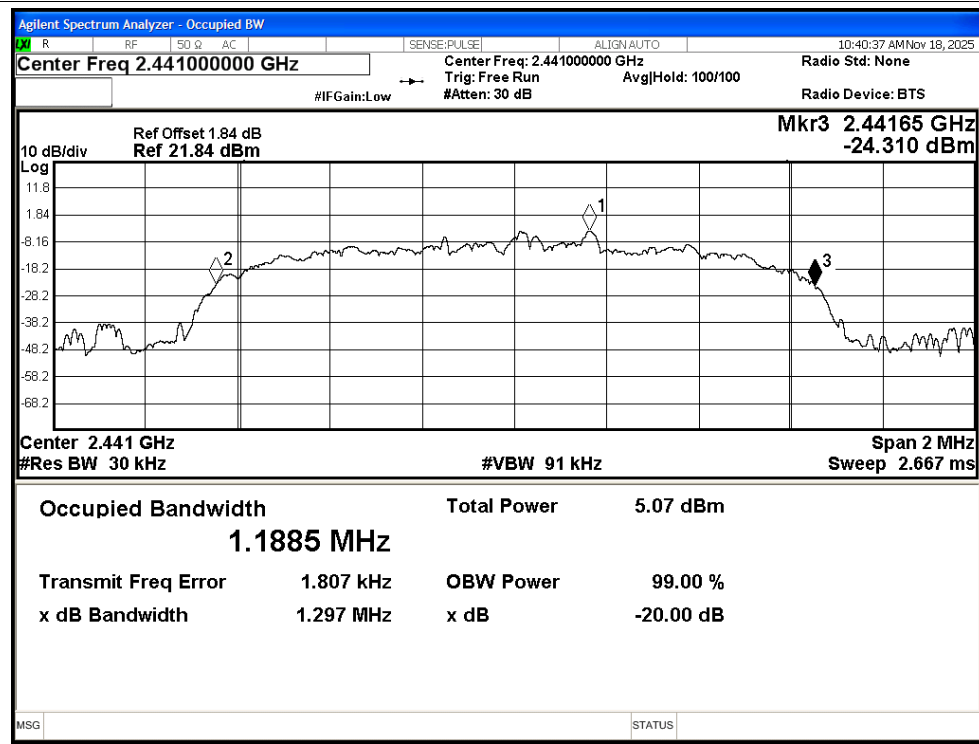
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

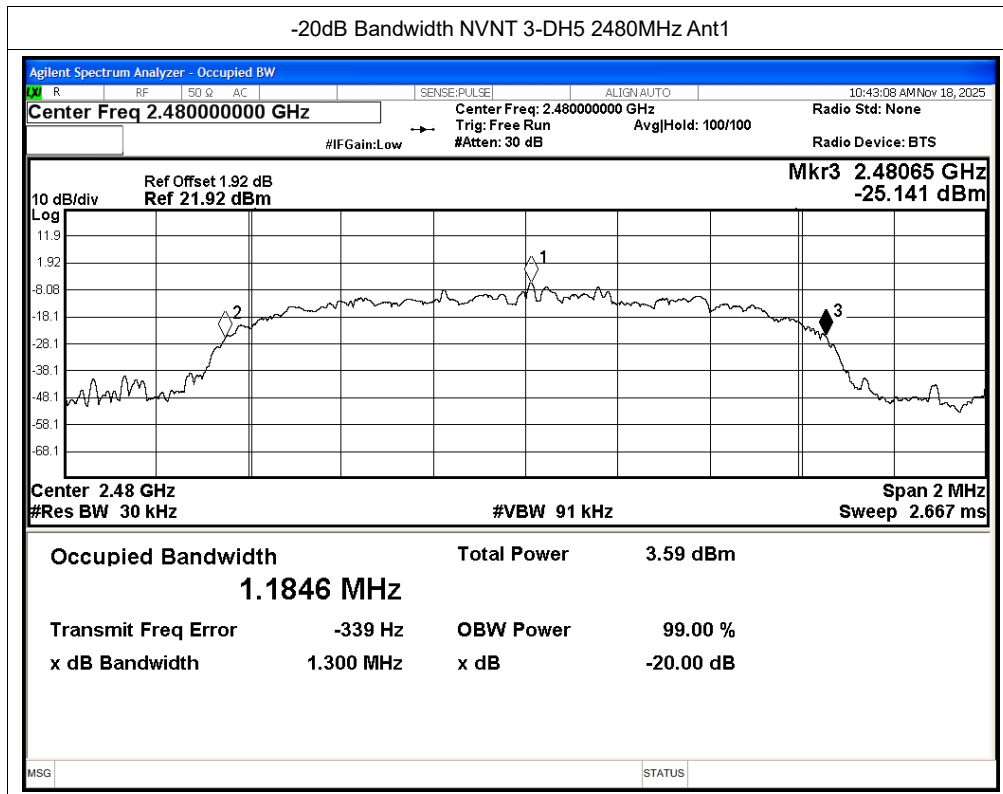


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



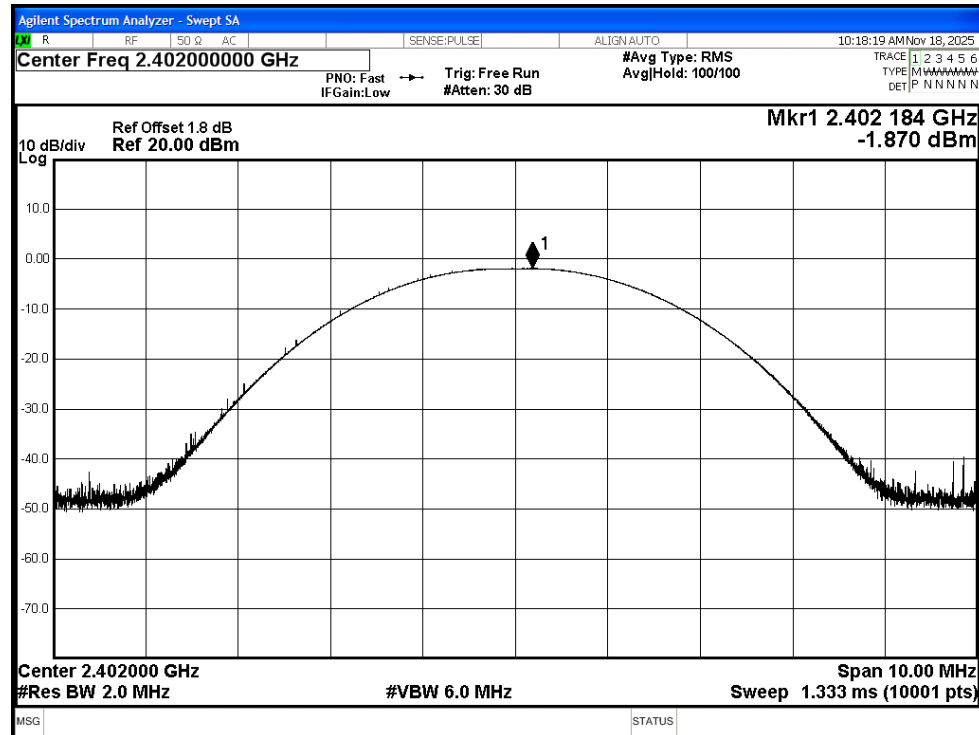


A.2 Maximum Peak Conducted Output Power

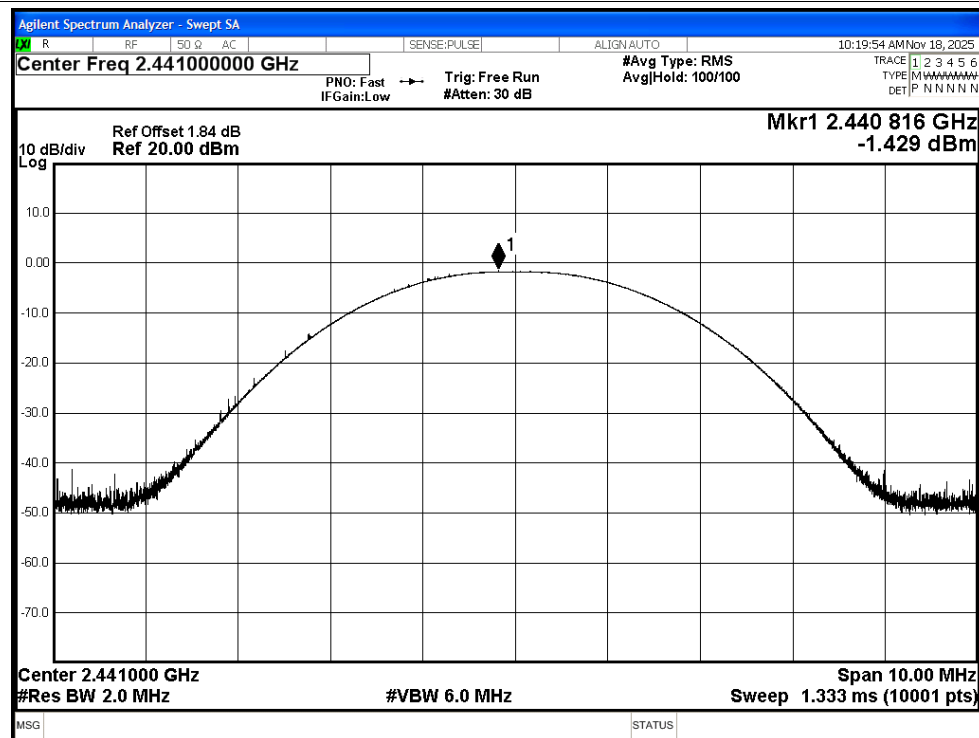
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.87	21	Pass
NVNT	1-DH5	2441	Ant1	-1.43	21	Pass
NVNT	1-DH5	2480	Ant1	-2.74	21	Pass
NVNT	2-DH5	2402	Ant1	0.26	21	Pass
NVNT	2-DH5	2441	Ant1	0.47	21	Pass
NVNT	2-DH5	2480	Ant1	-0.52	21	Pass
NVNT	3-DH5	2402	Ant1	0.64	21	Pass
NVNT	3-DH5	2441	Ant1	0.91	21	Pass
NVNT	3-DH5	2480	Ant1	-0.27	21	Pass

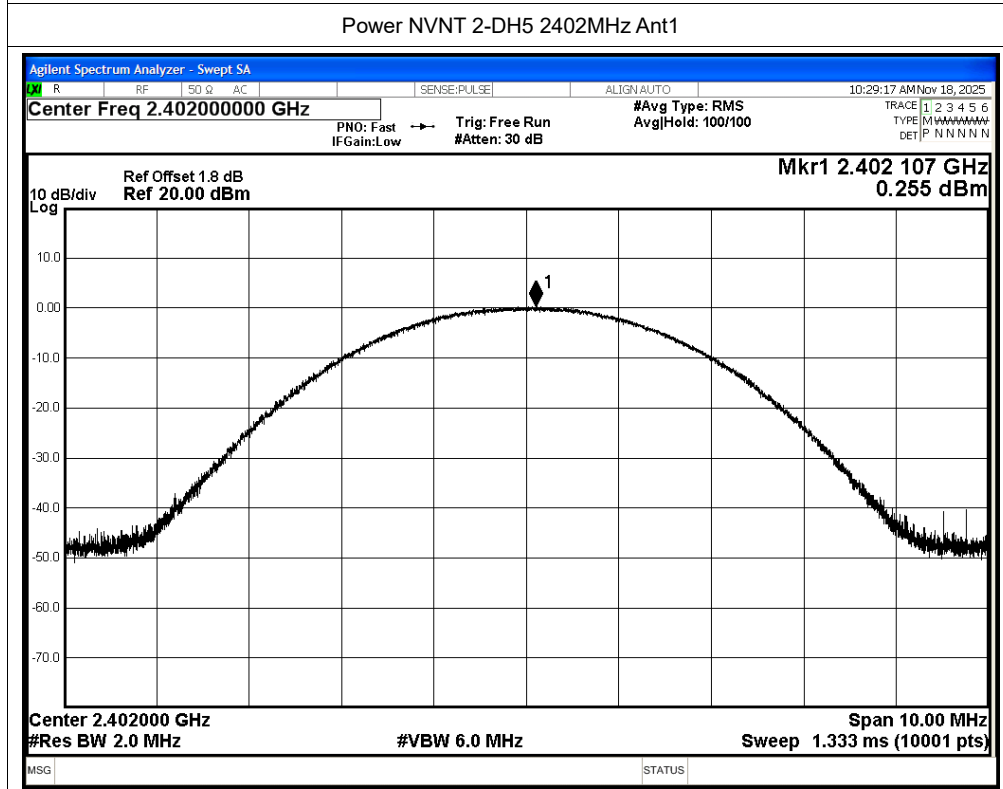
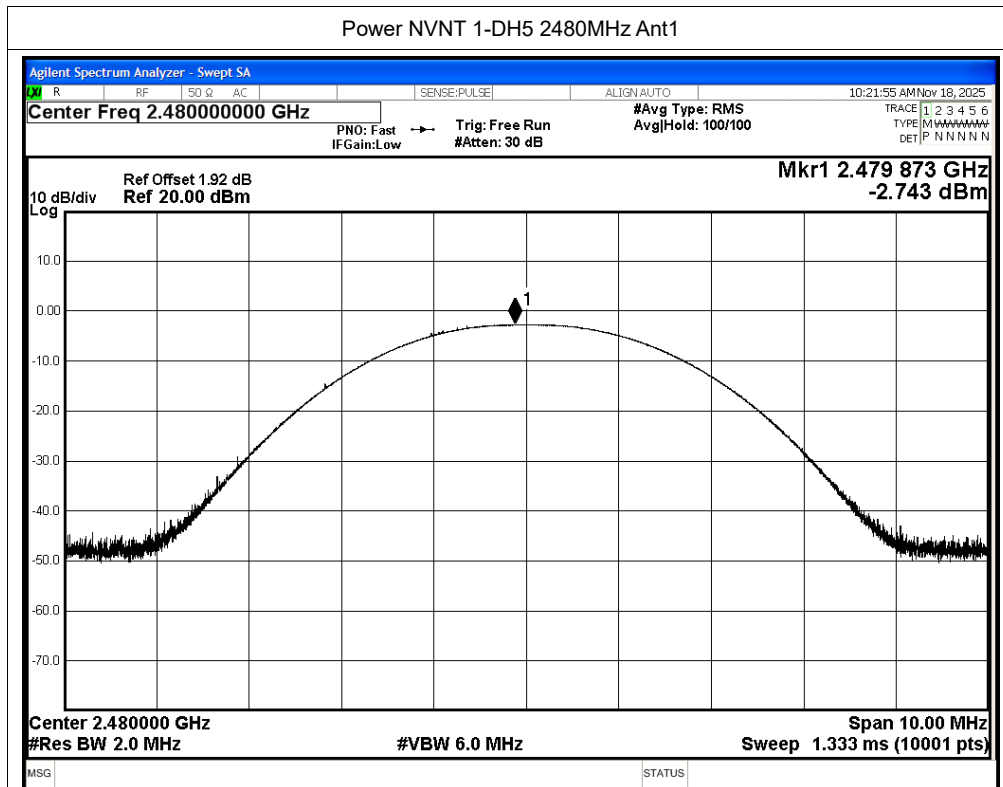
Test Graphs

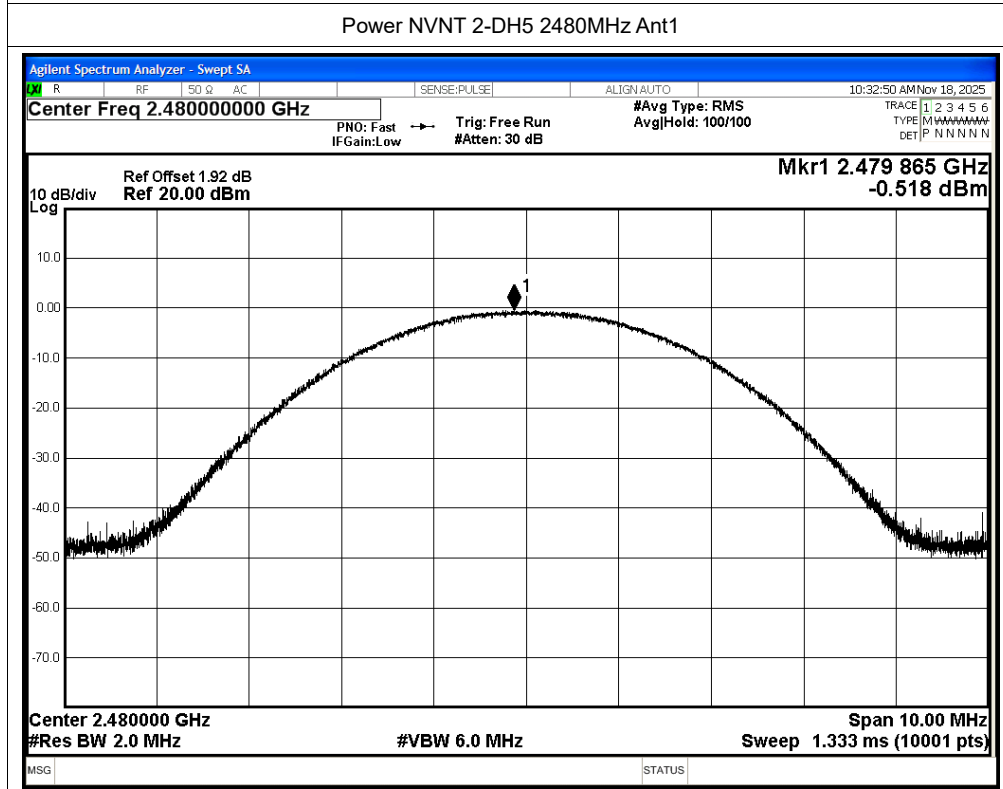
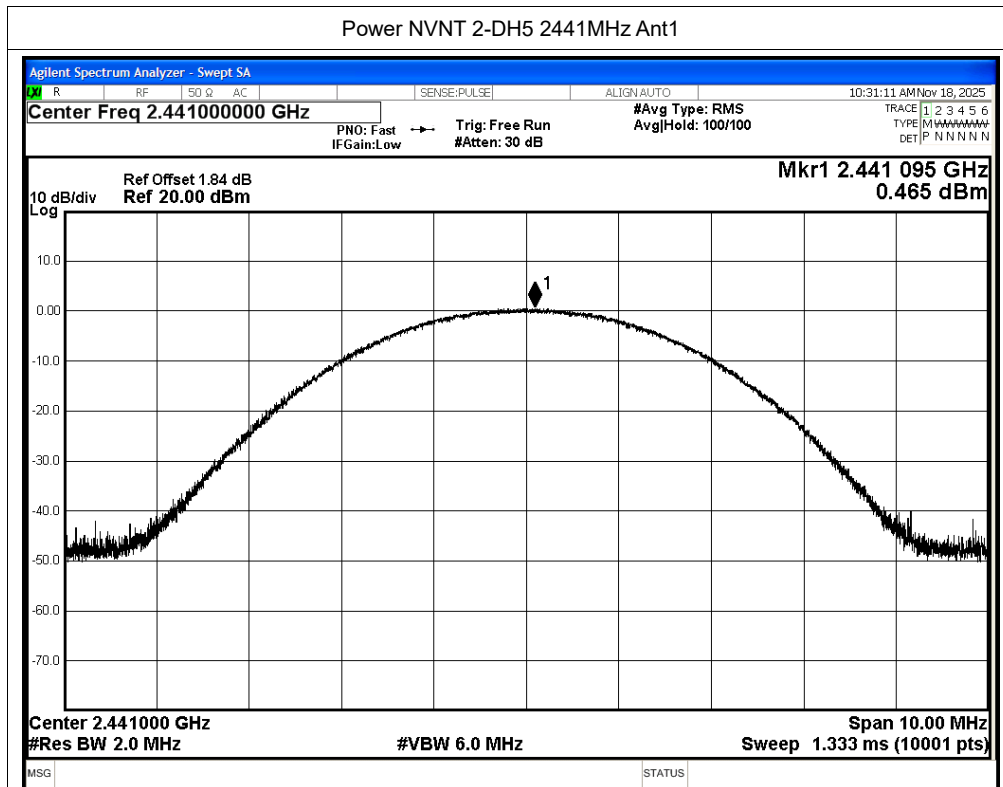
Power NVNT 1-DH5 2402MHz Ant1

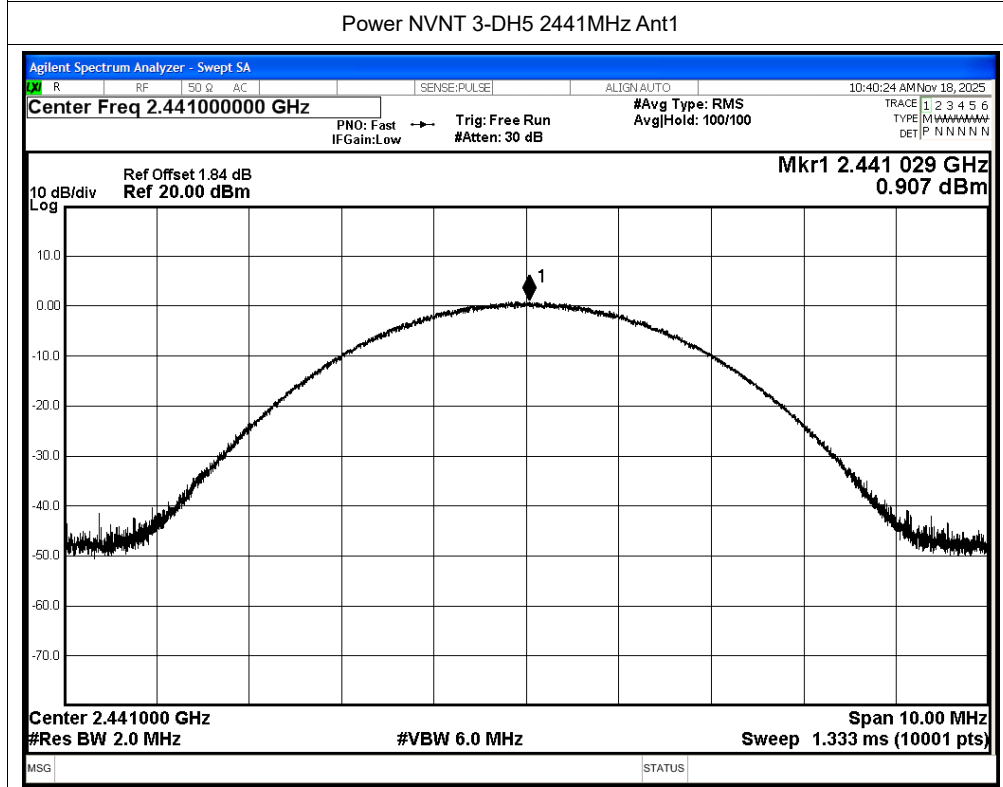
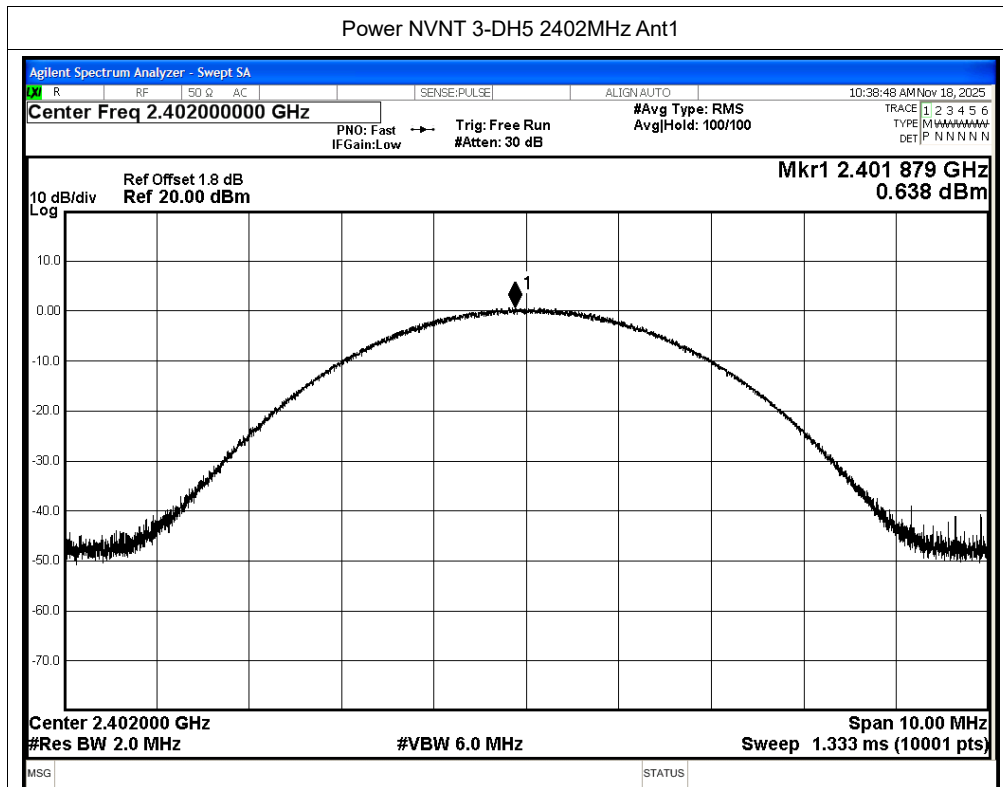


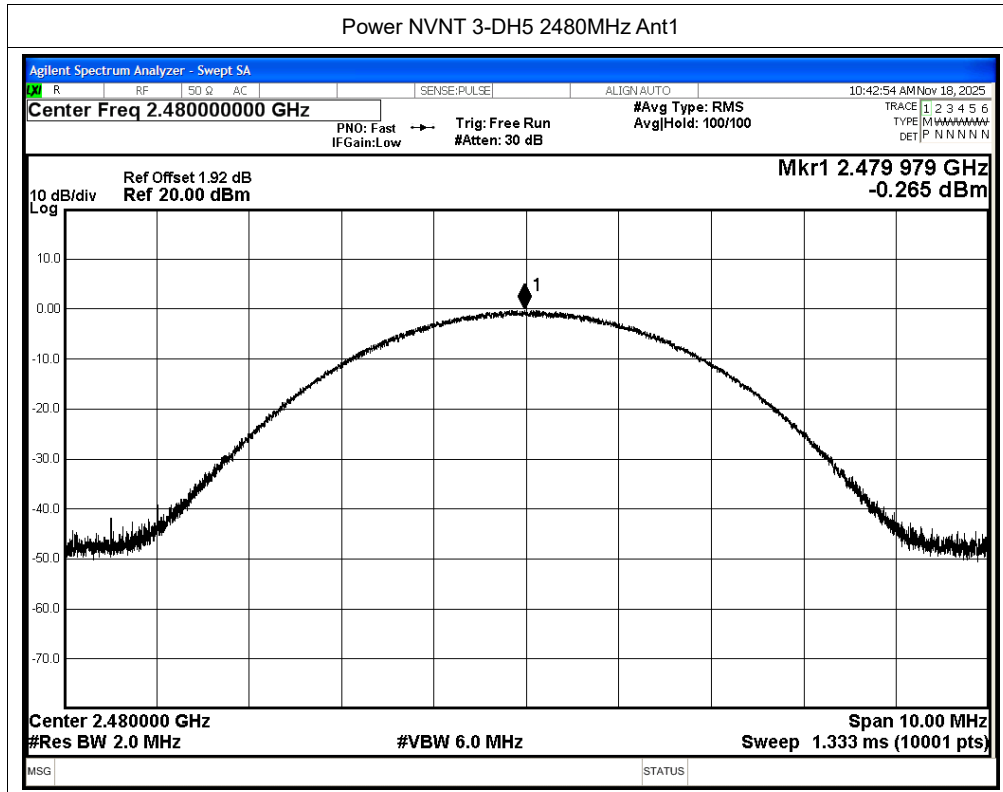
Power NVNT 1-DH5 2441MHz Ant1









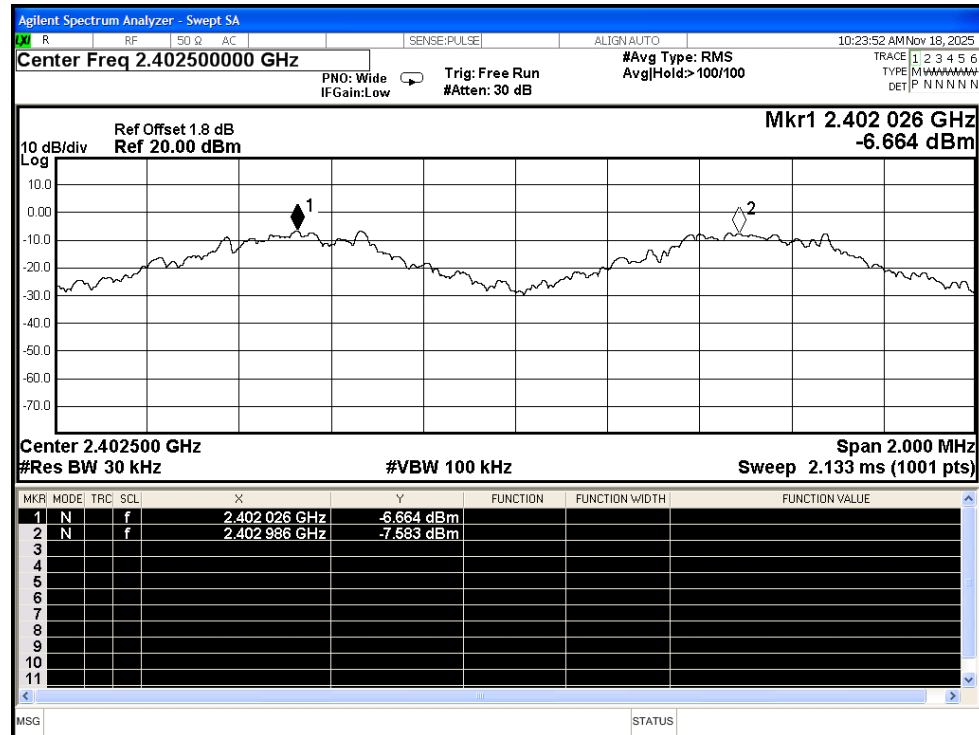


A.3 Carrier Frequencies Separation

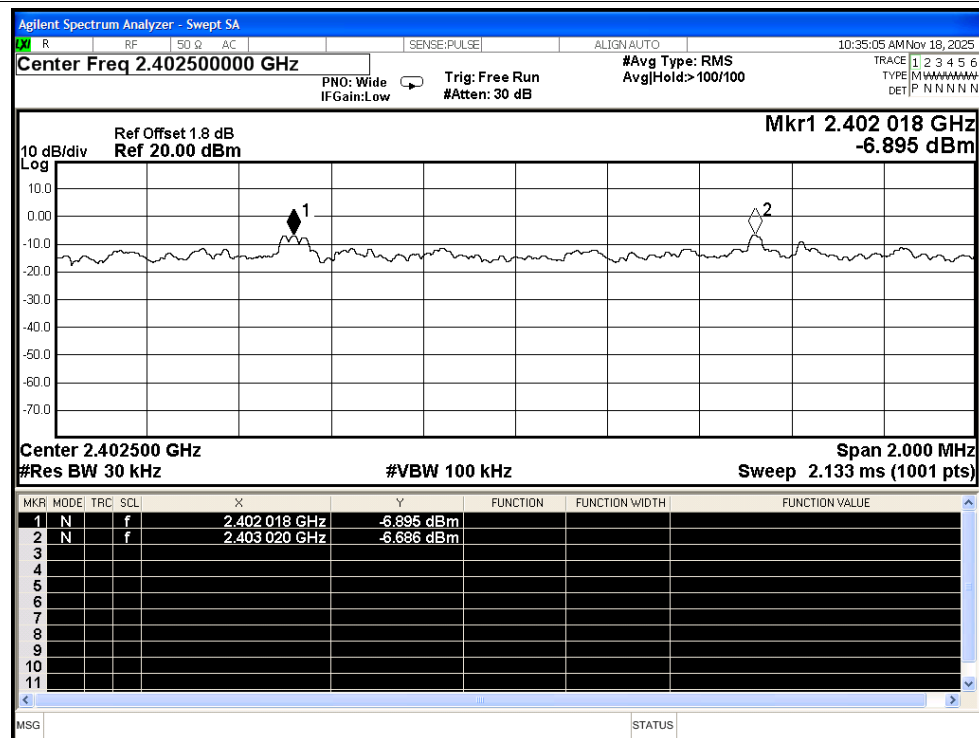
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.026	2402.986	0.96	0.647	Pass
NVNT	2-DH5	Ant1	2402.018	2403.02	1.002	0.897	Pass
NVNT	3-DH5	Ant1	2402.008	2403.166	1.158	0.867	Pass

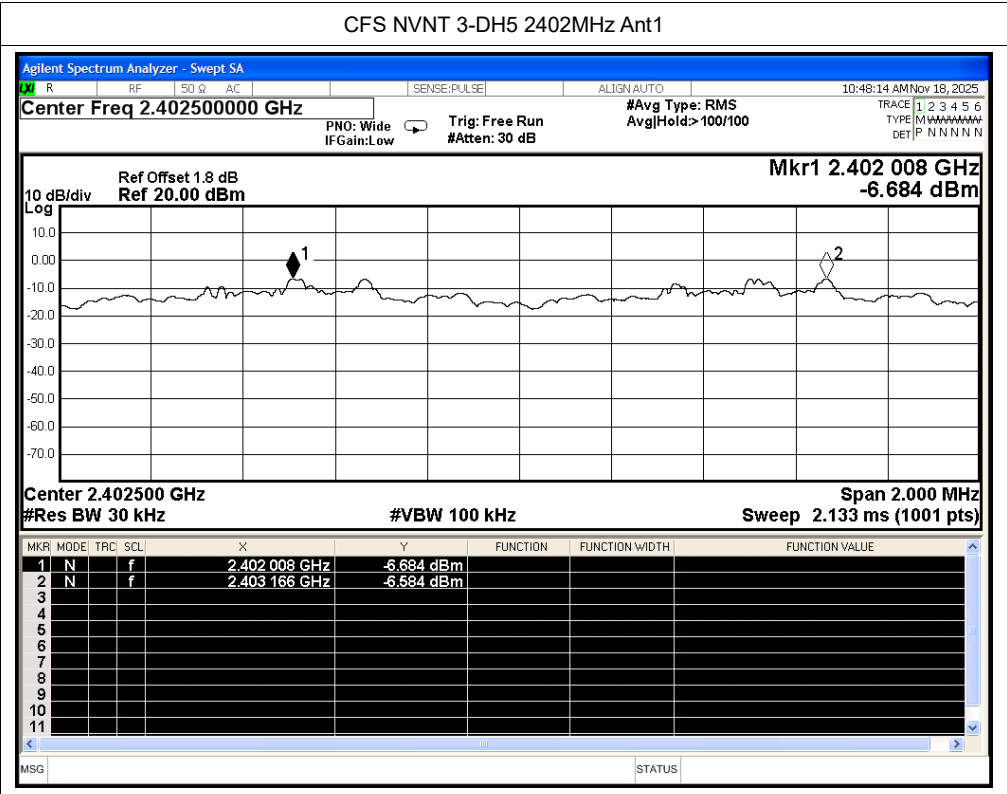
Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



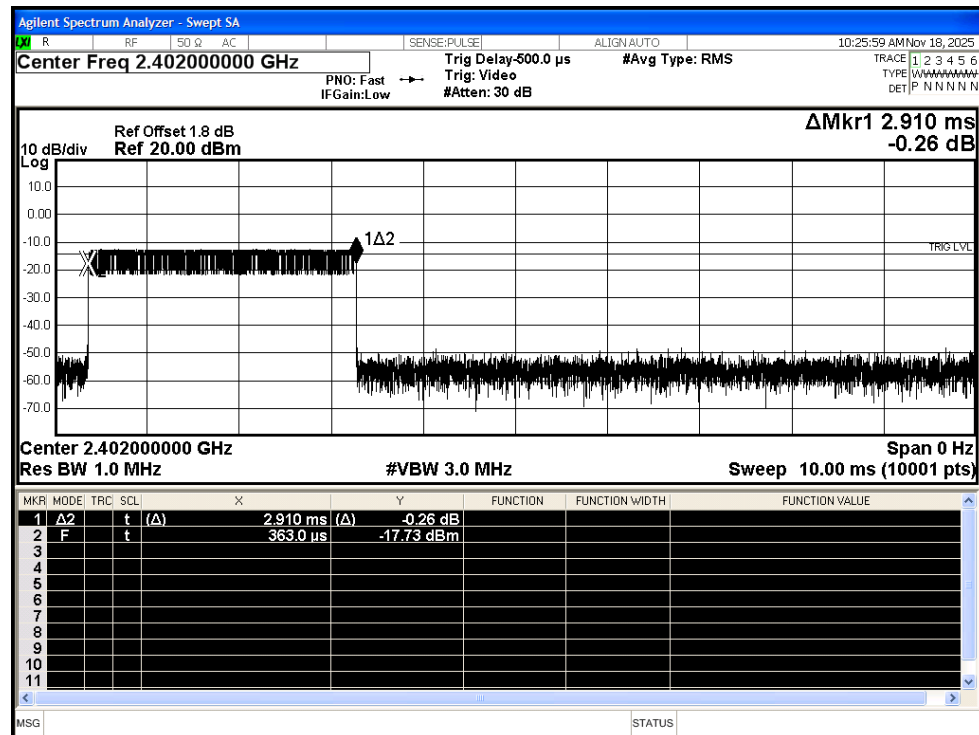


A.4 Dwell Time

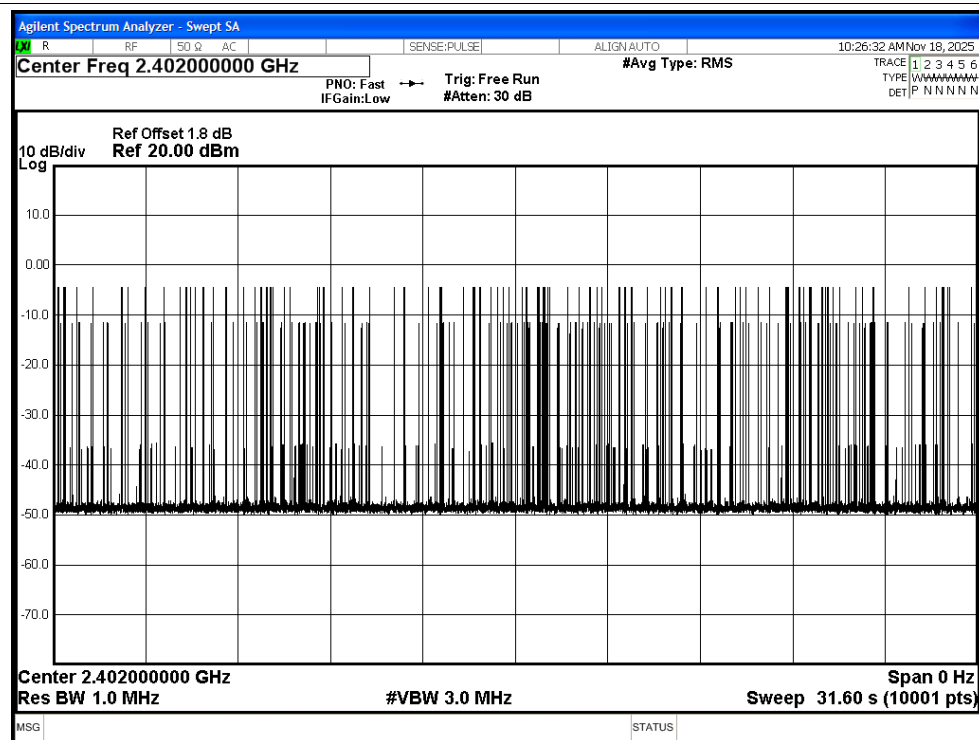
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.91	299.73	103	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.899	339.183	117	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	283.906	98	31600	400	Pass

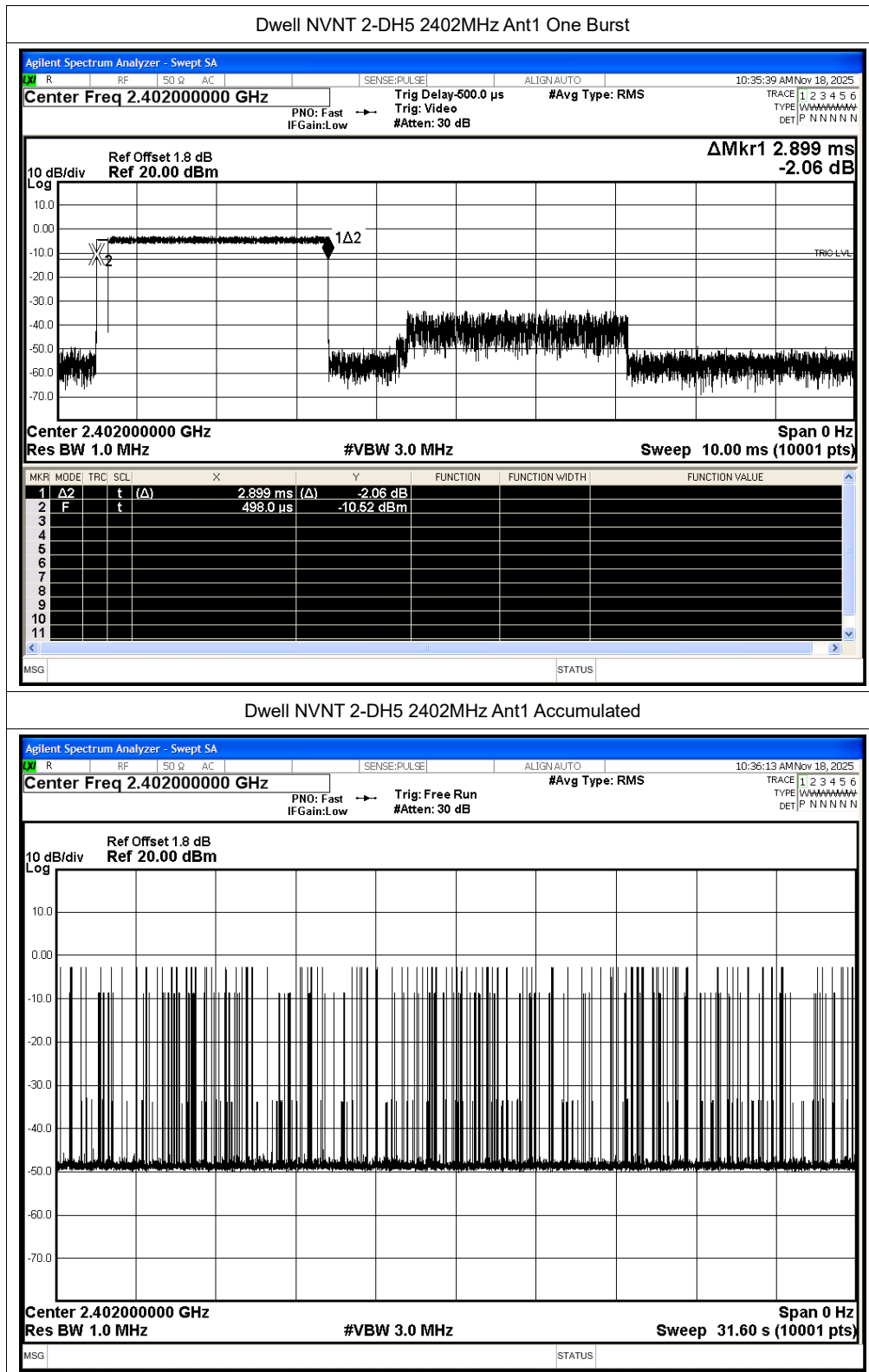
Test Graphs

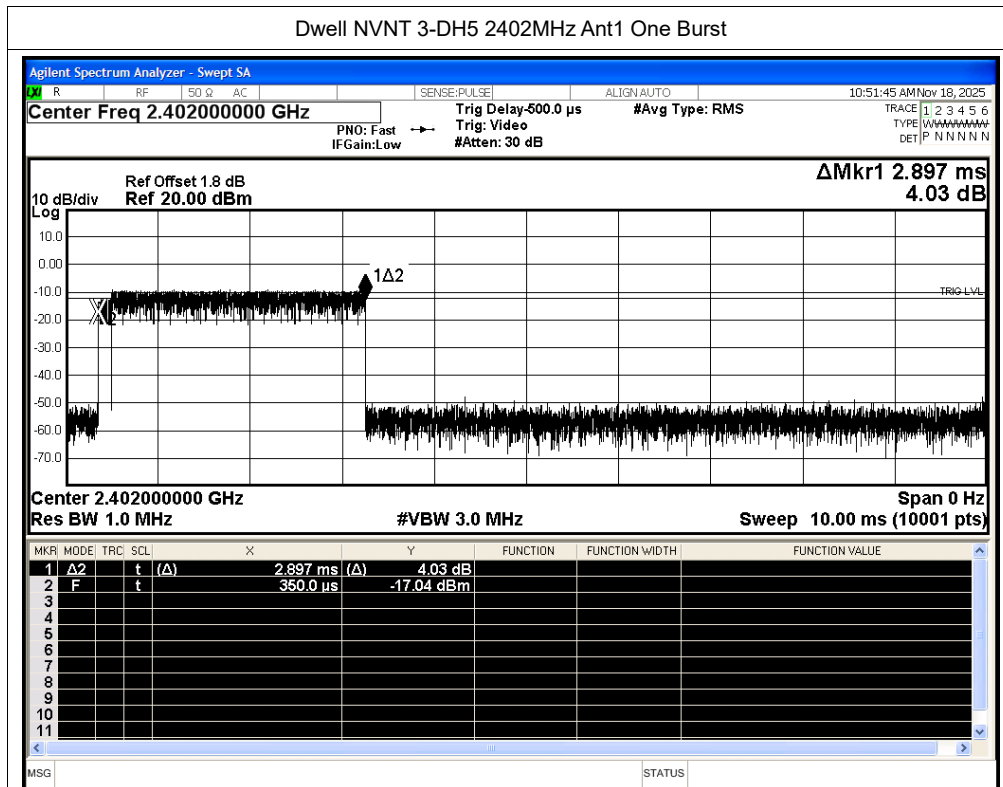
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



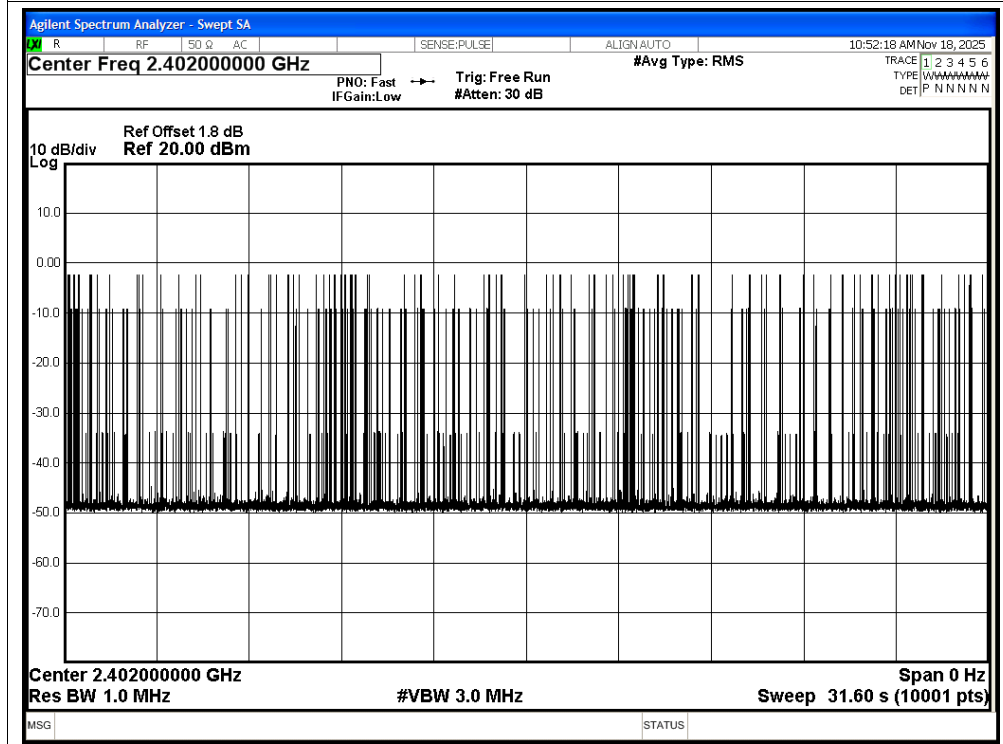
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated







Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

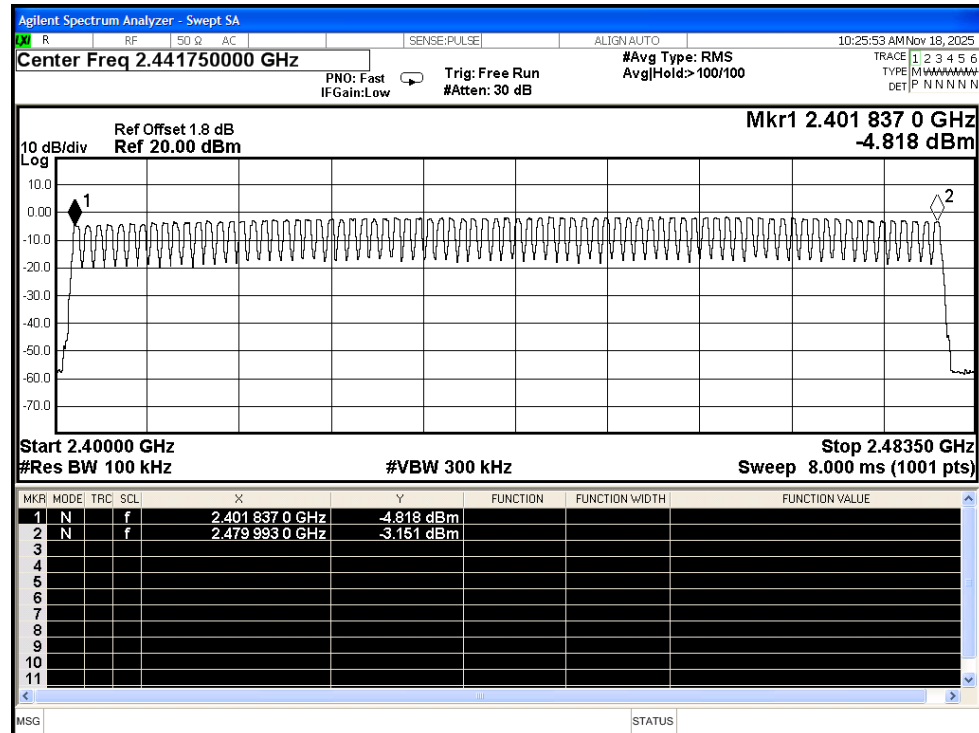


A.5 Number of Hopping Channel

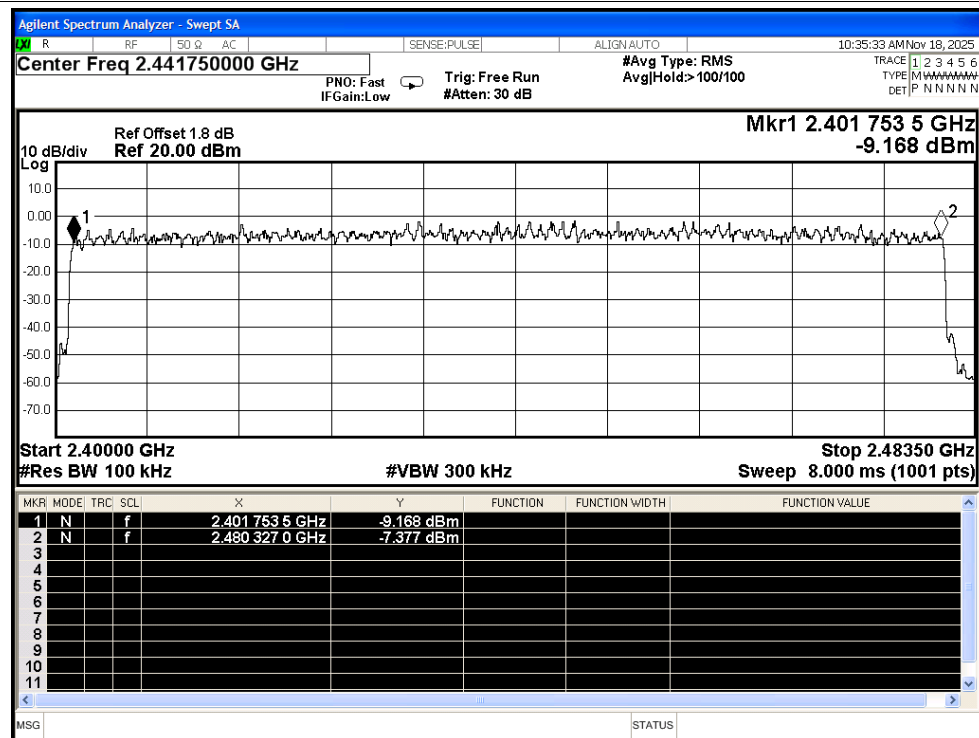
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

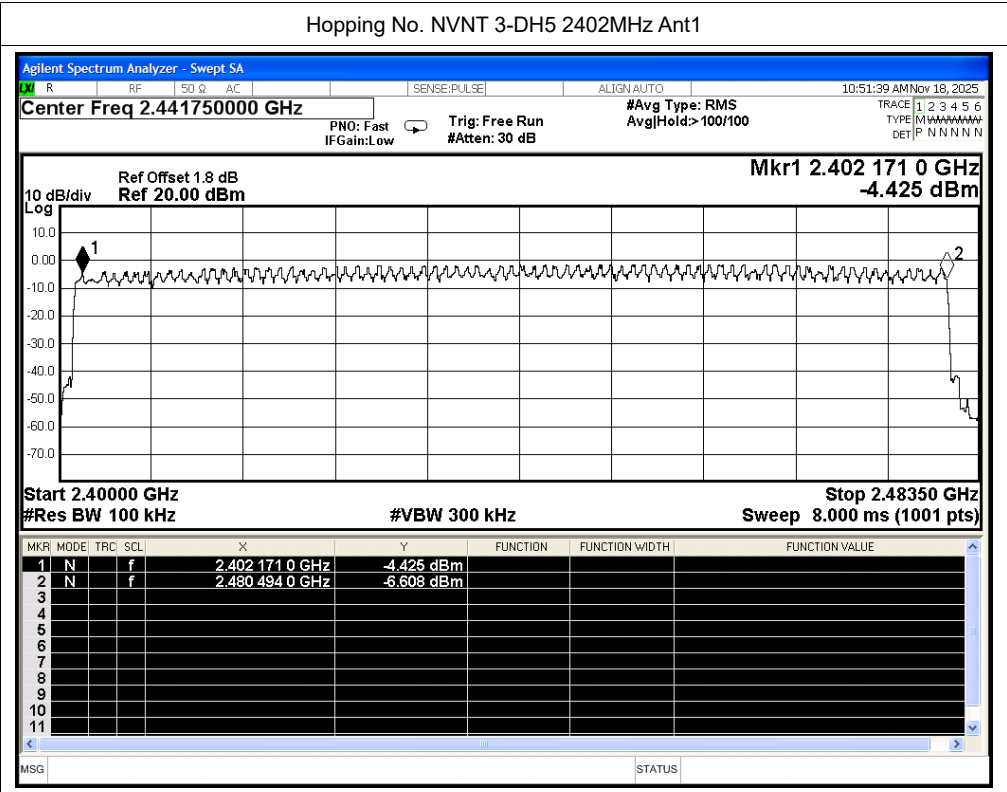
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



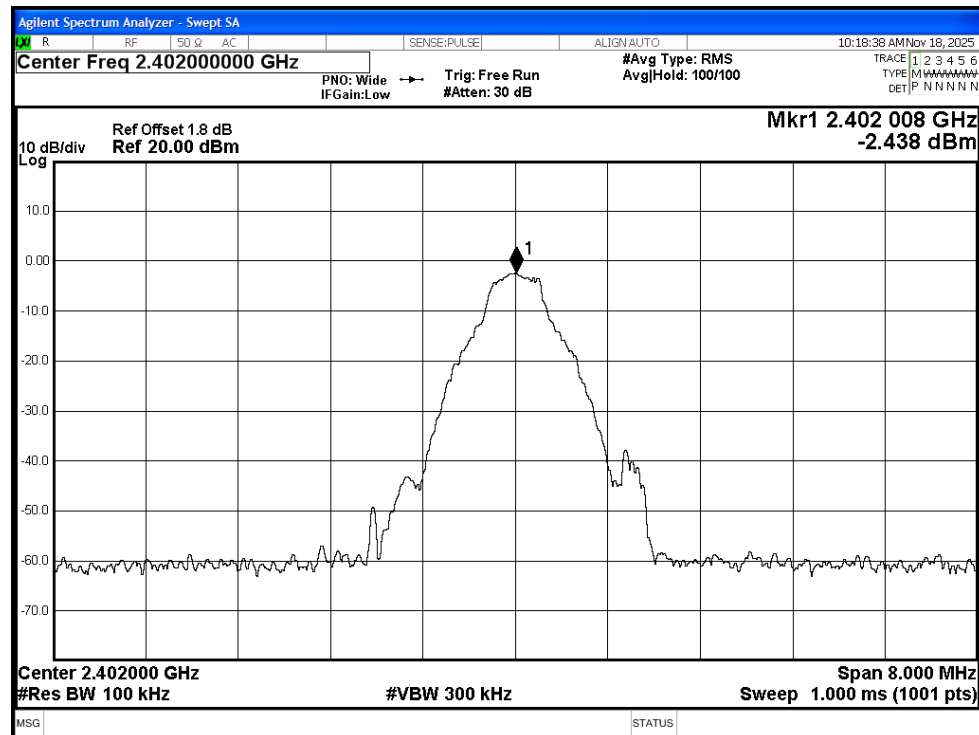


A.6 Band Edge

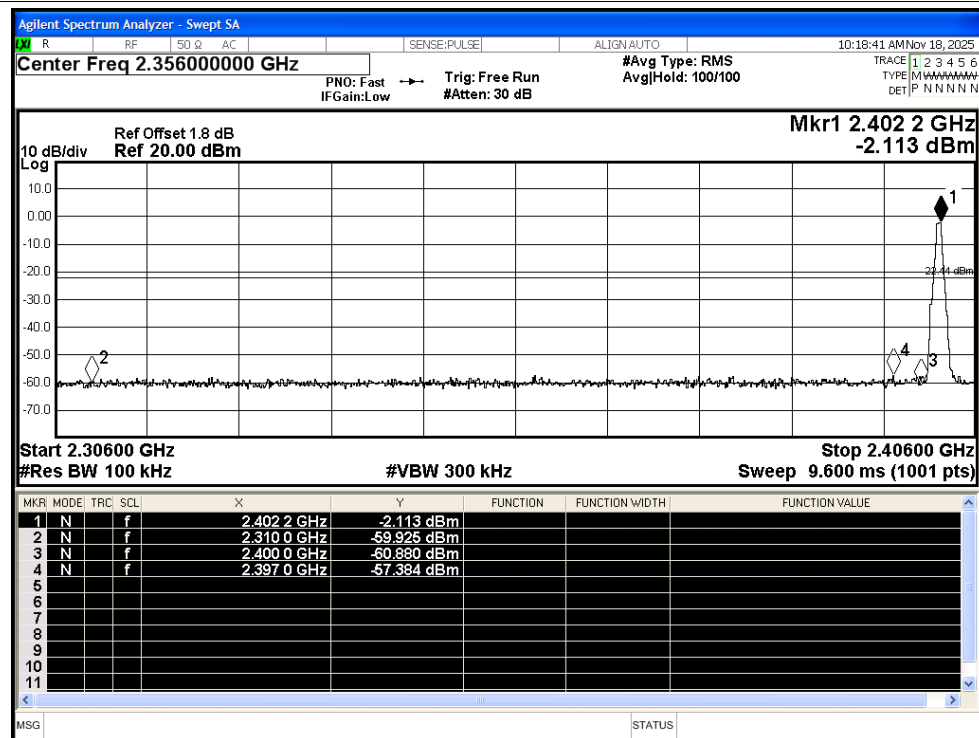
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.95	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.74	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.53	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.38	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-47.2	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.65	-20	Pass

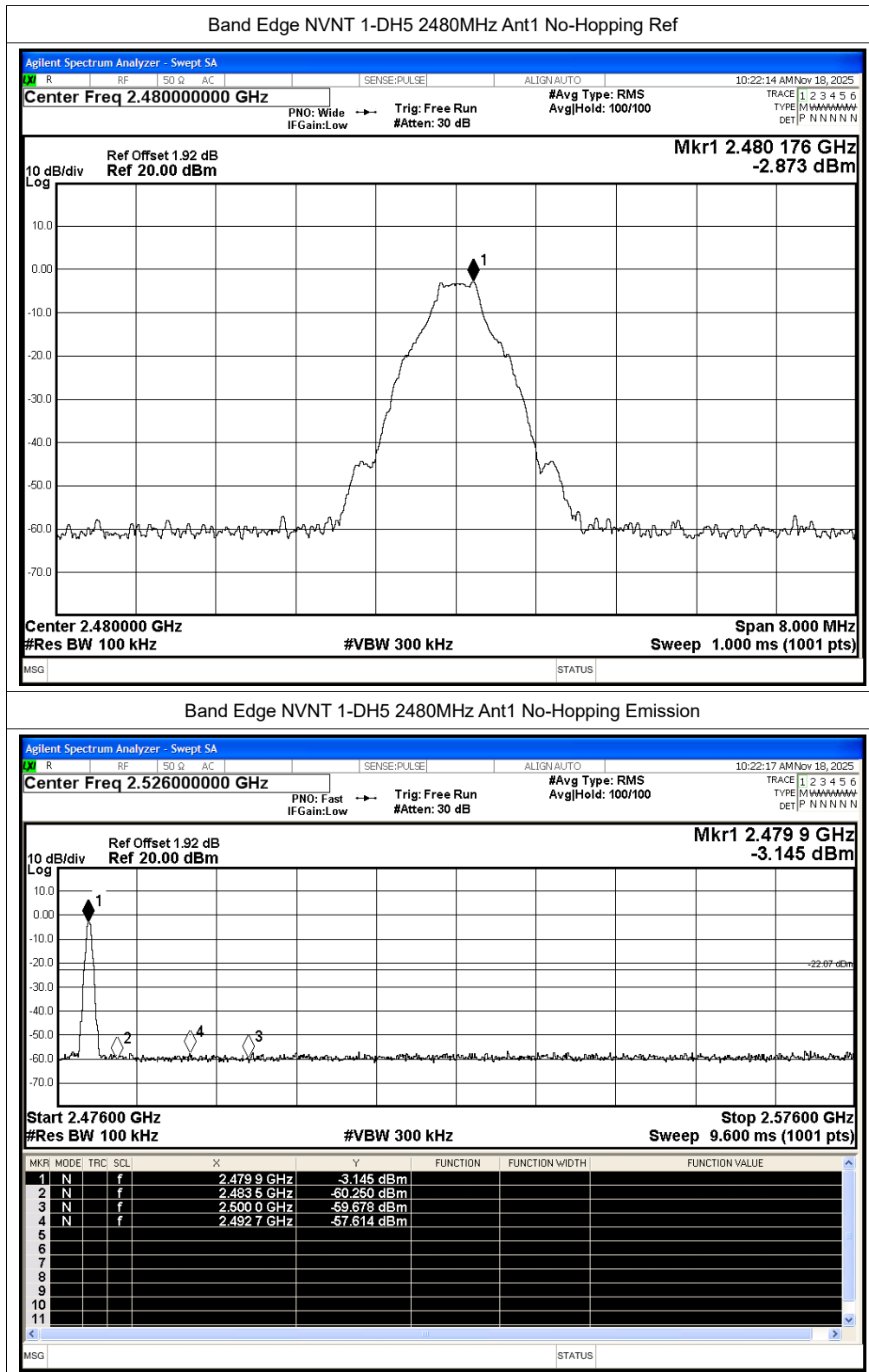
Test Graphs

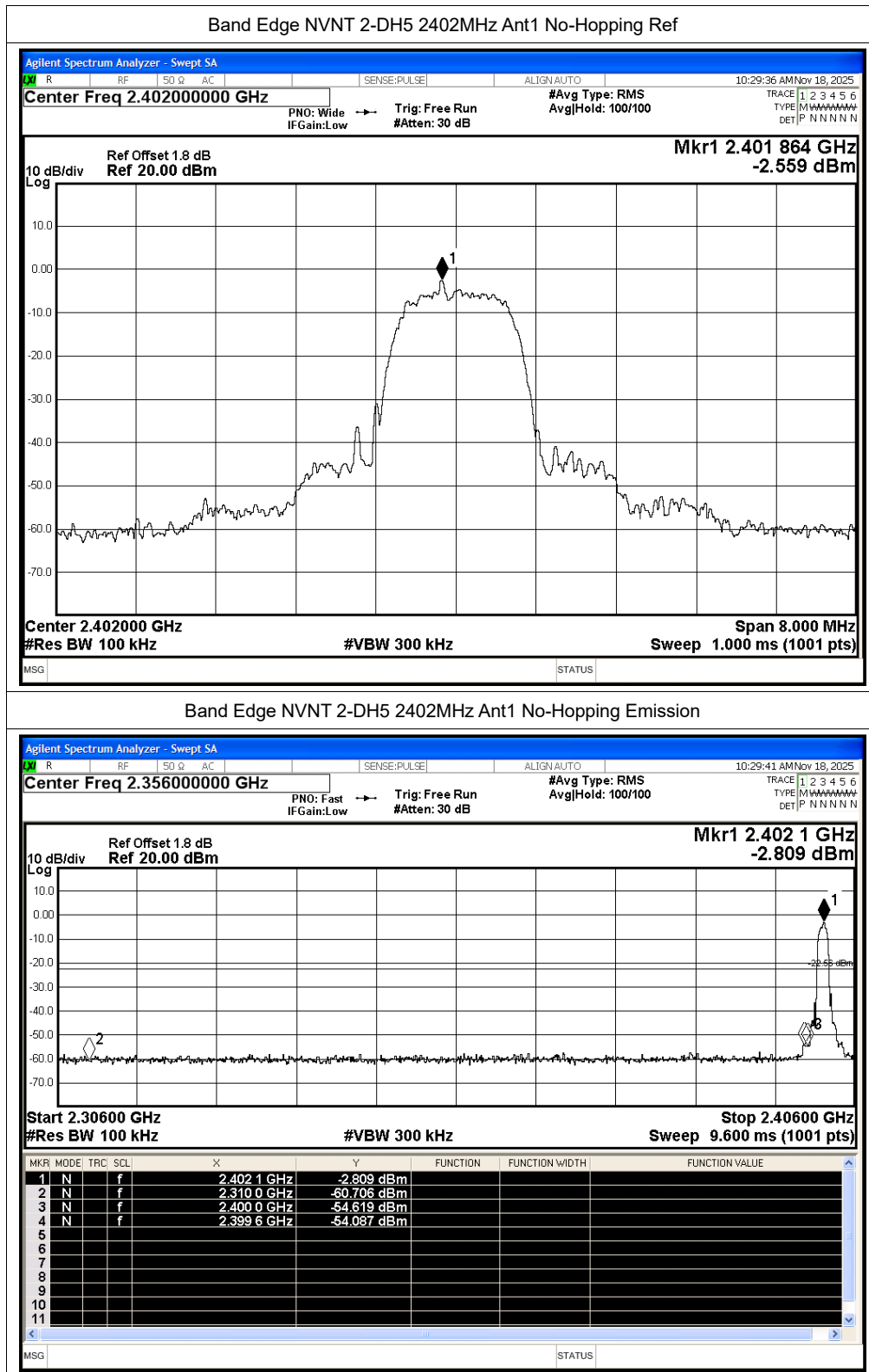
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

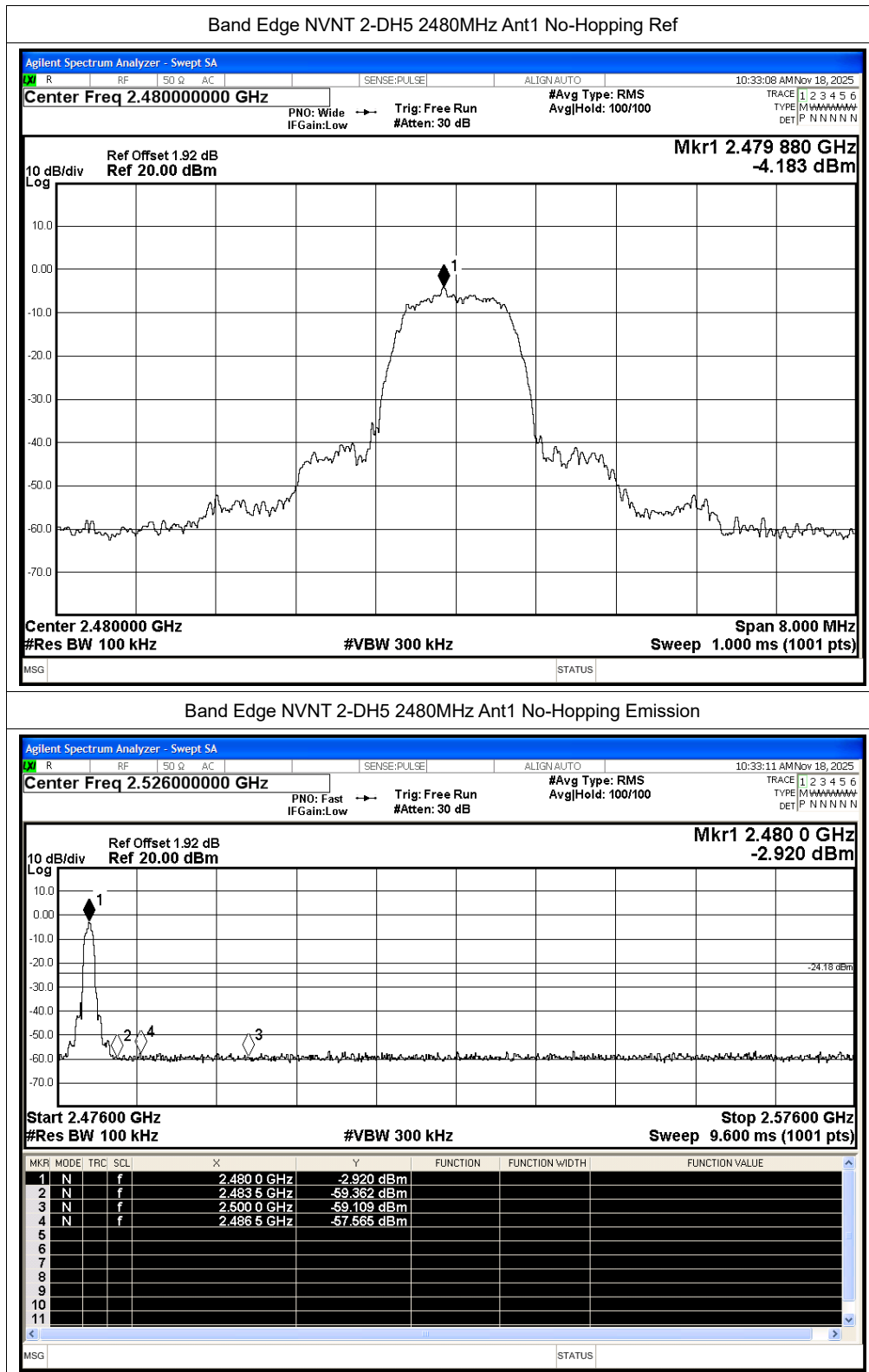


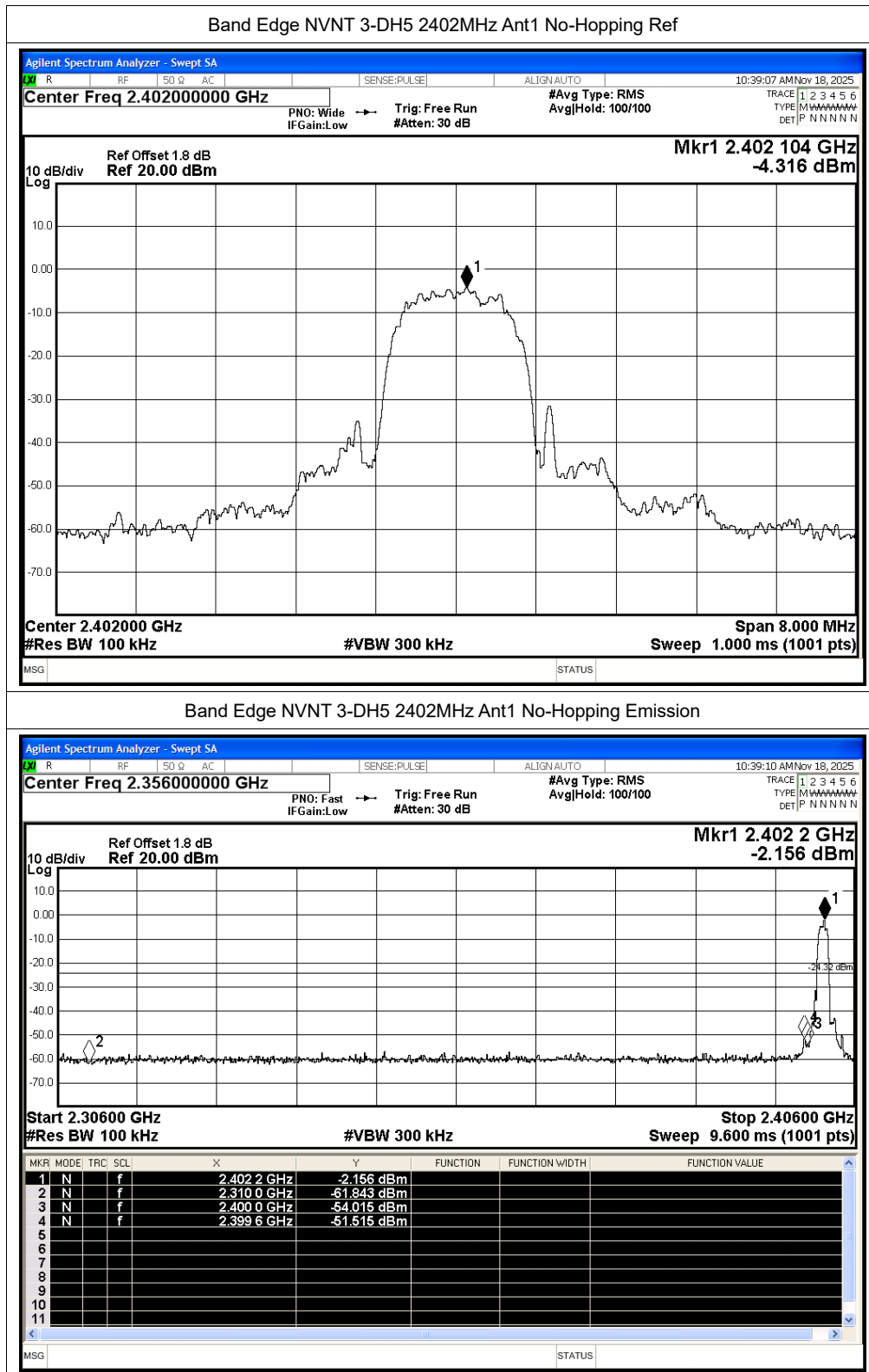
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

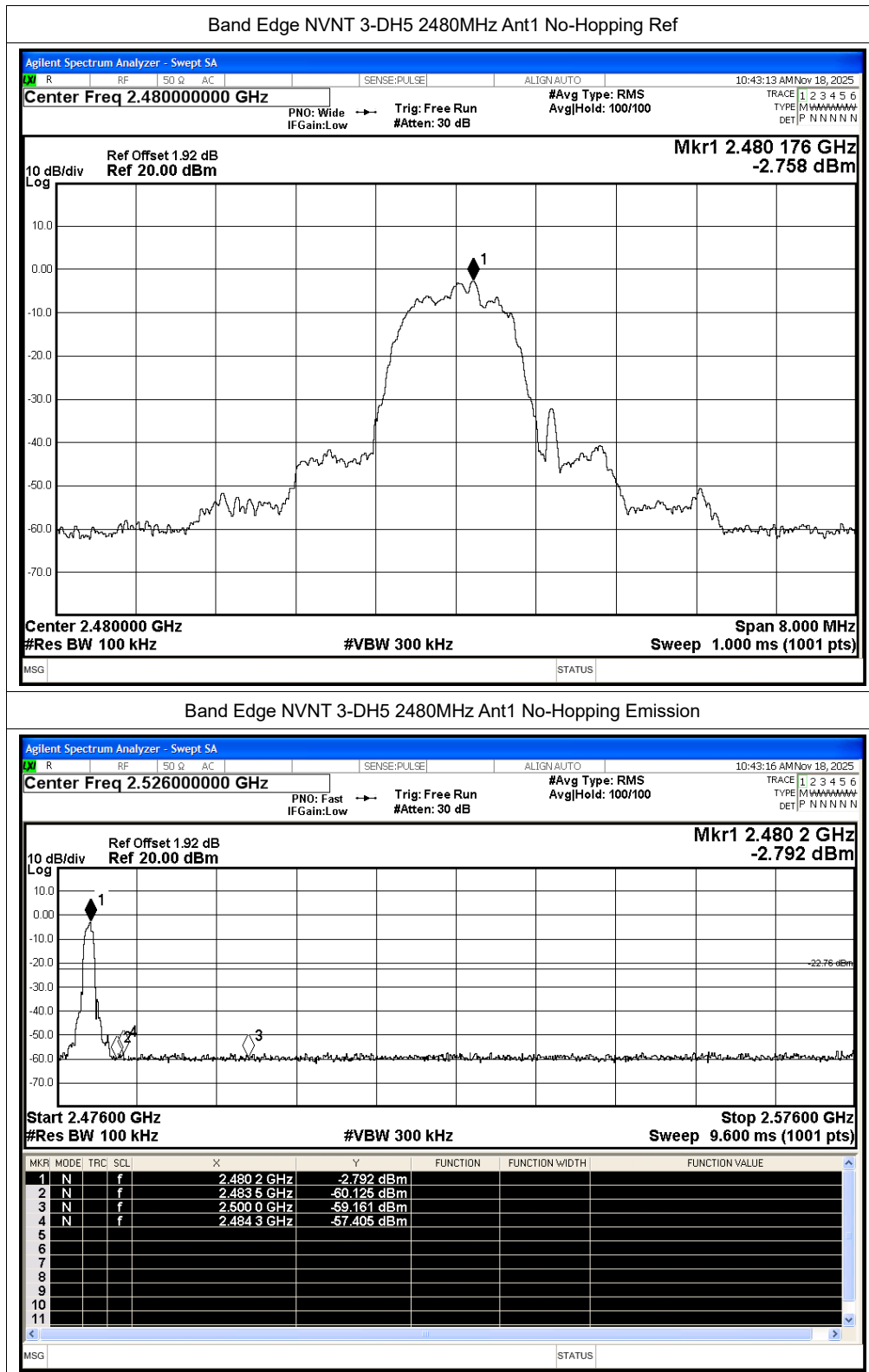










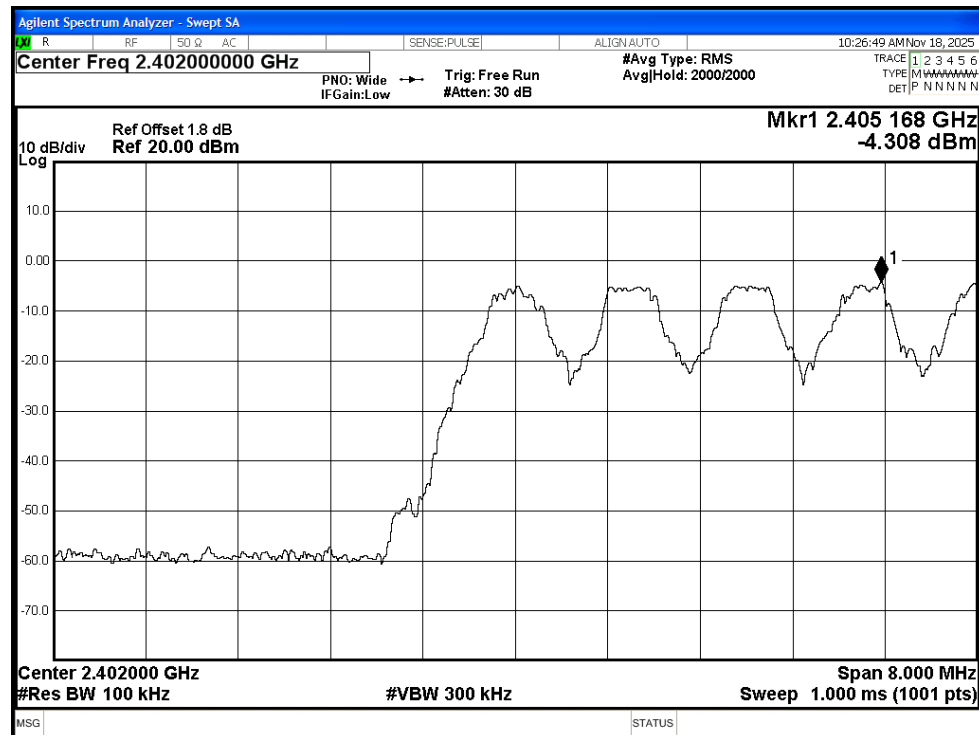


(Hopping)

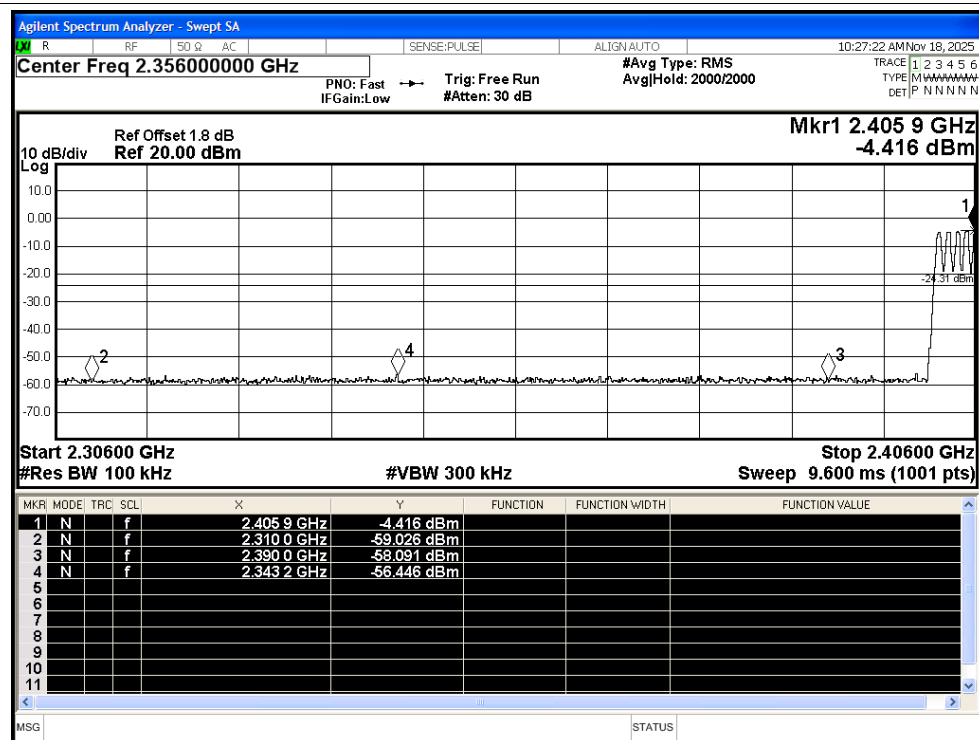
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-52.14	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-53.3	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.5	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.02	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-51.41	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-53.41	-20	Pass

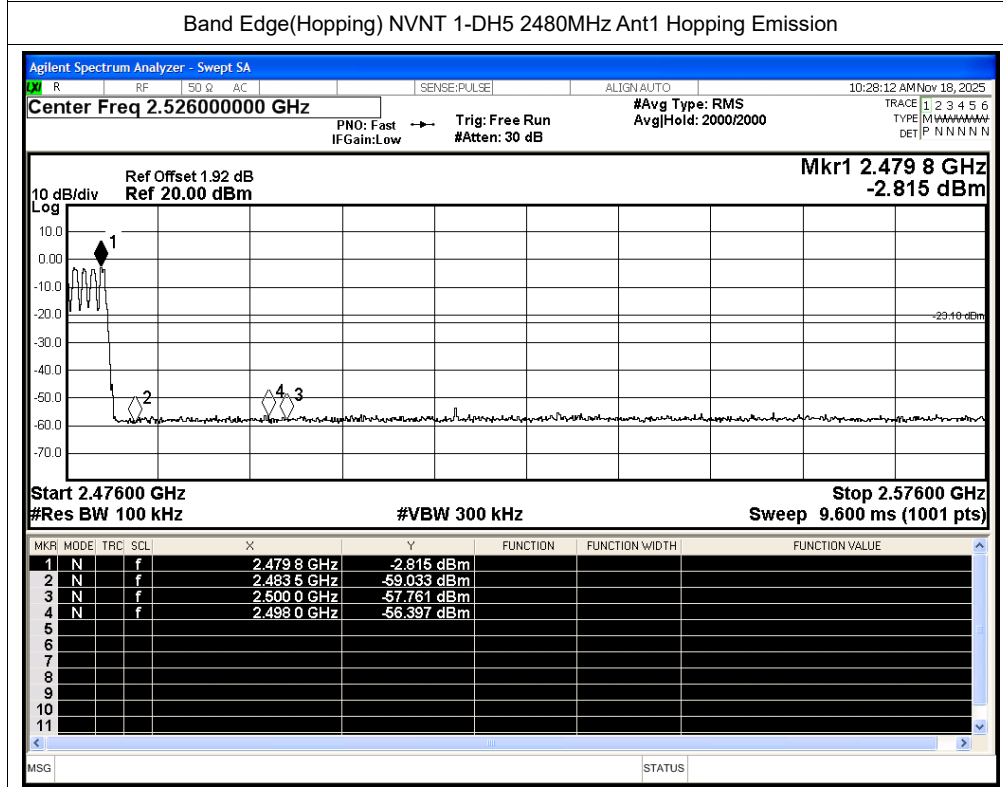
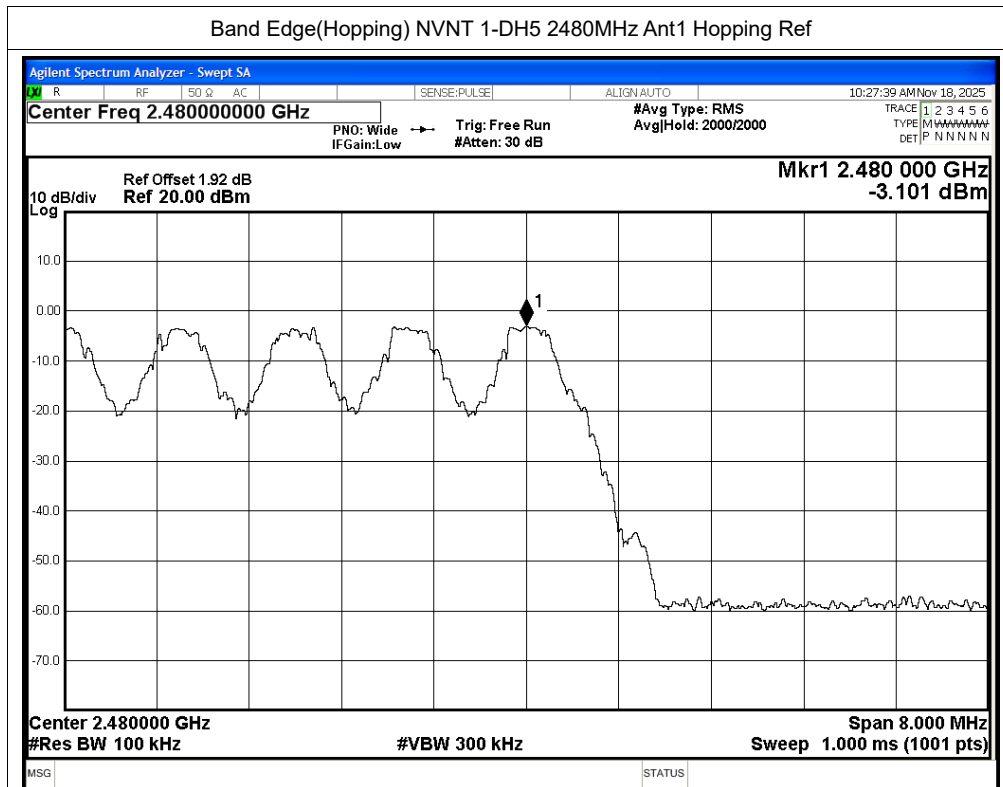
Test Graphs

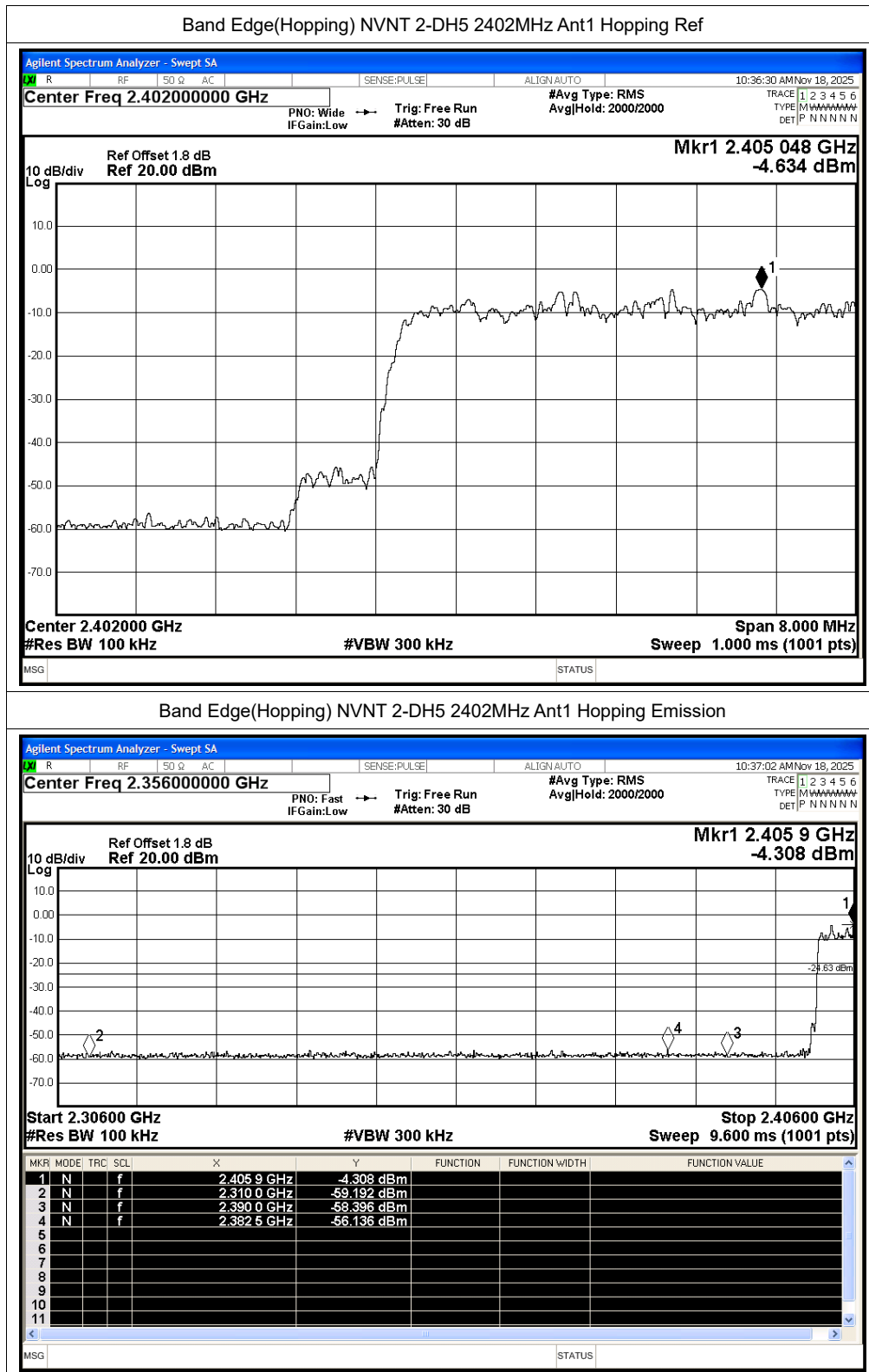
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

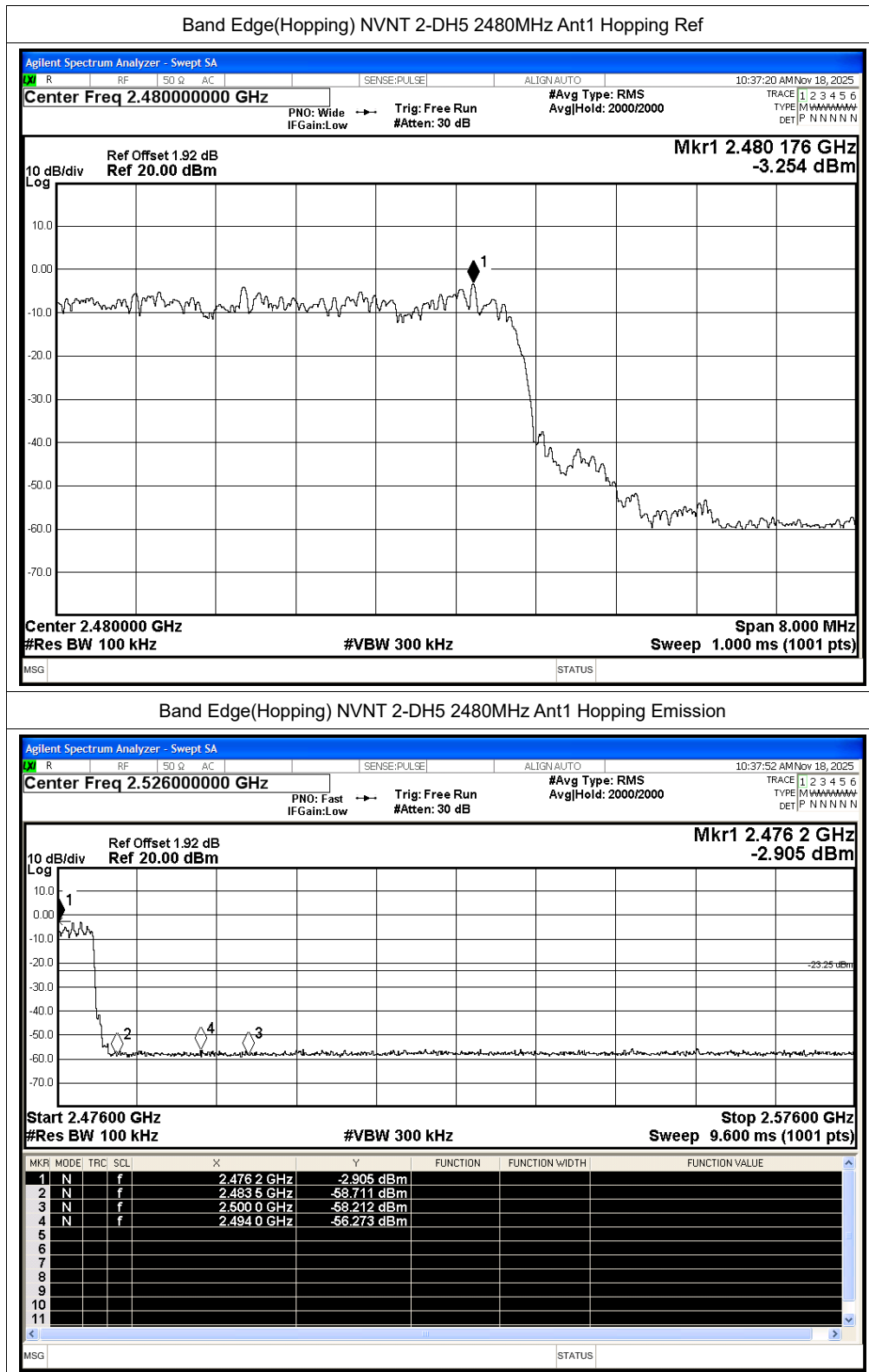


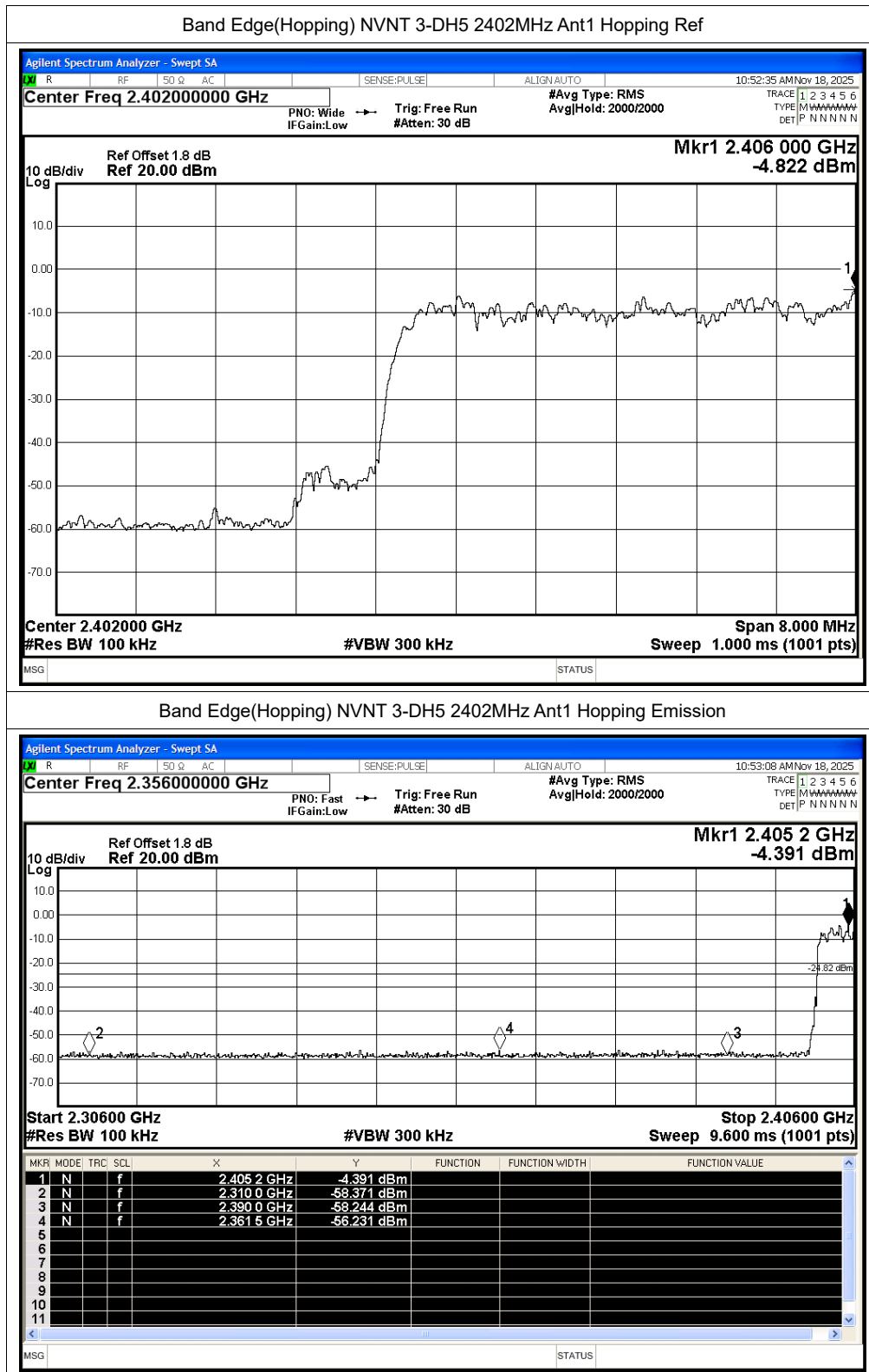
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

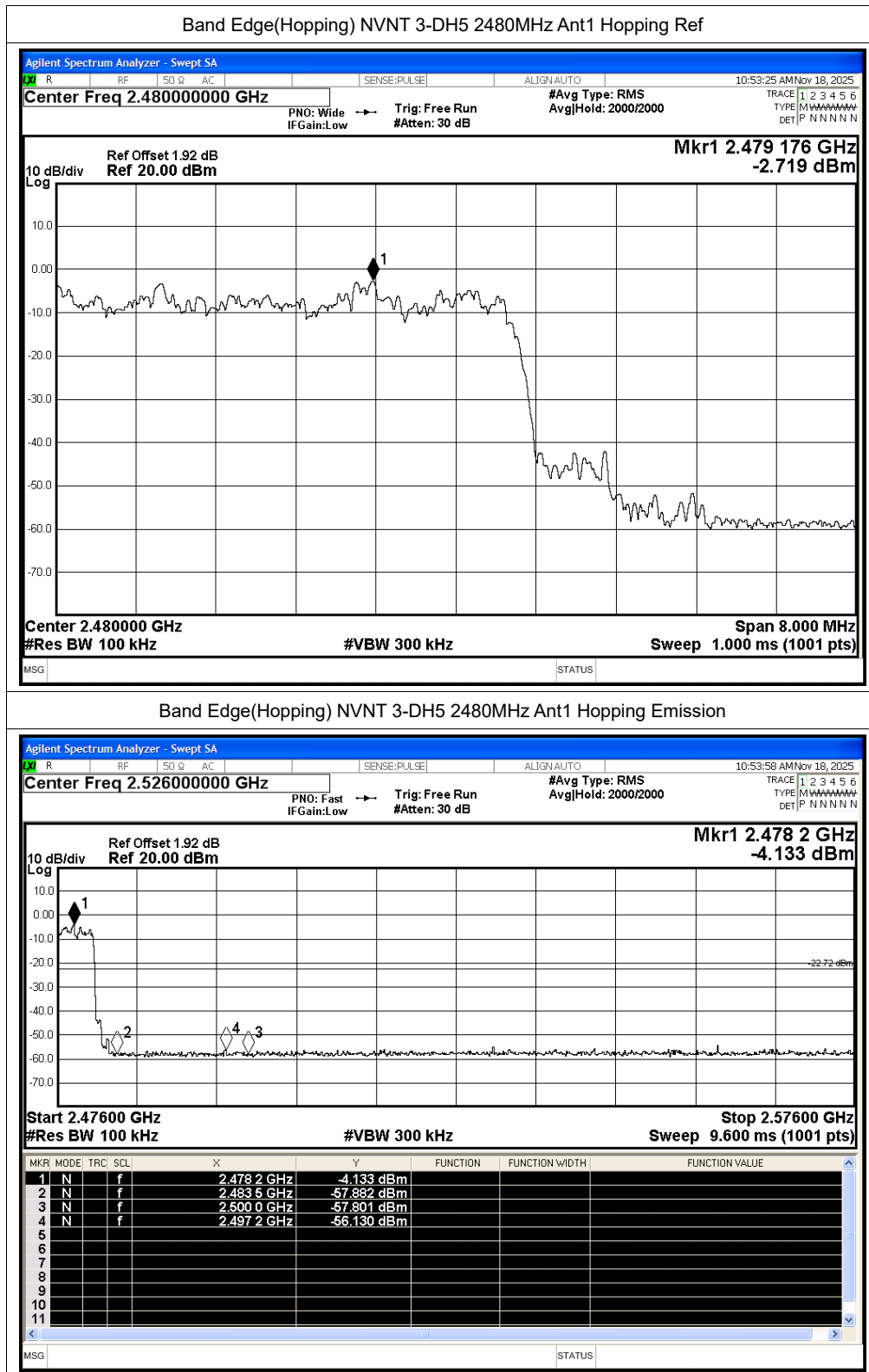










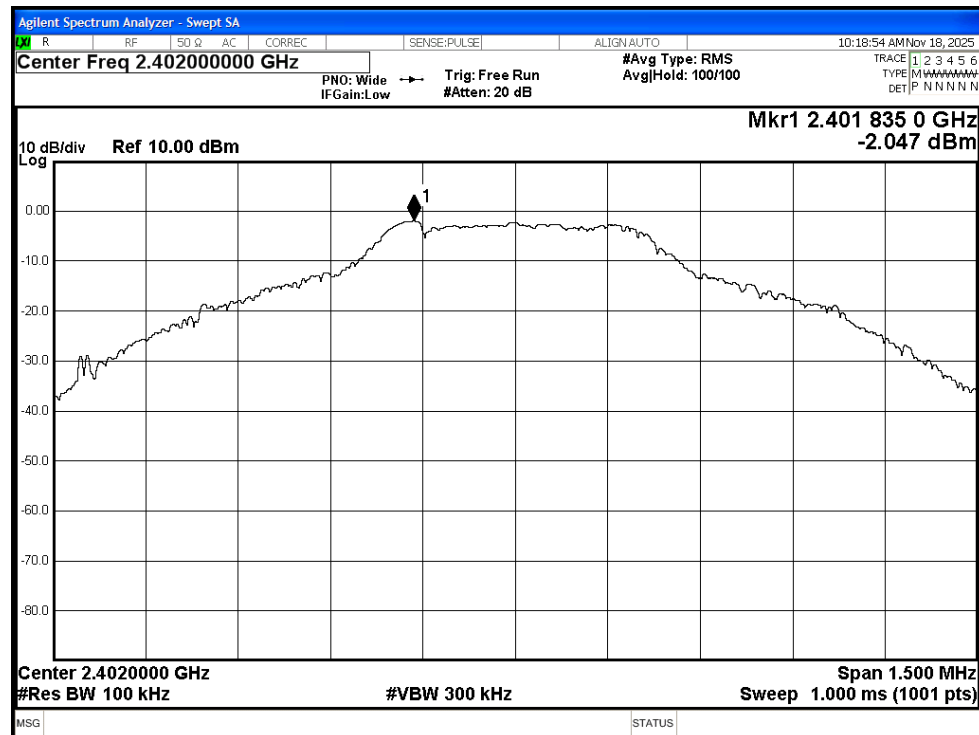


A.7 Conducted RF Spurious Emission

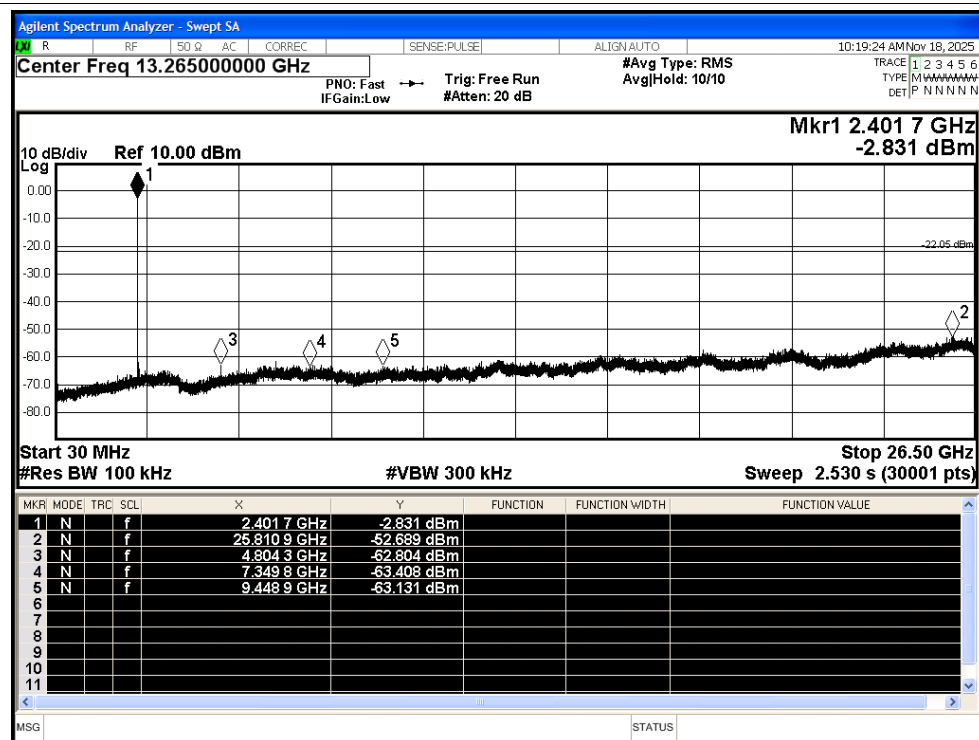
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-50.64	-20	Pass
NVNT	1-DH5	2441	Ant1	-51.05	-20	Pass
NVNT	1-DH5	2480	Ant1	-49.9	-20	Pass
NVNT	2-DH5	2402	Ant1	-49.81	-20	Pass
NVNT	2-DH5	2441	Ant1	-50.96	-20	Pass
NVNT	2-DH5	2480	Ant1	-49.63	-20	Pass
NVNT	3-DH5	2402	Ant1	-50.8	-20	Pass
NVNT	3-DH5	2441	Ant1	-49.83	-20	Pass
NVNT	3-DH5	2480	Ant1	-49.88	-20	Pass

Test Graphs

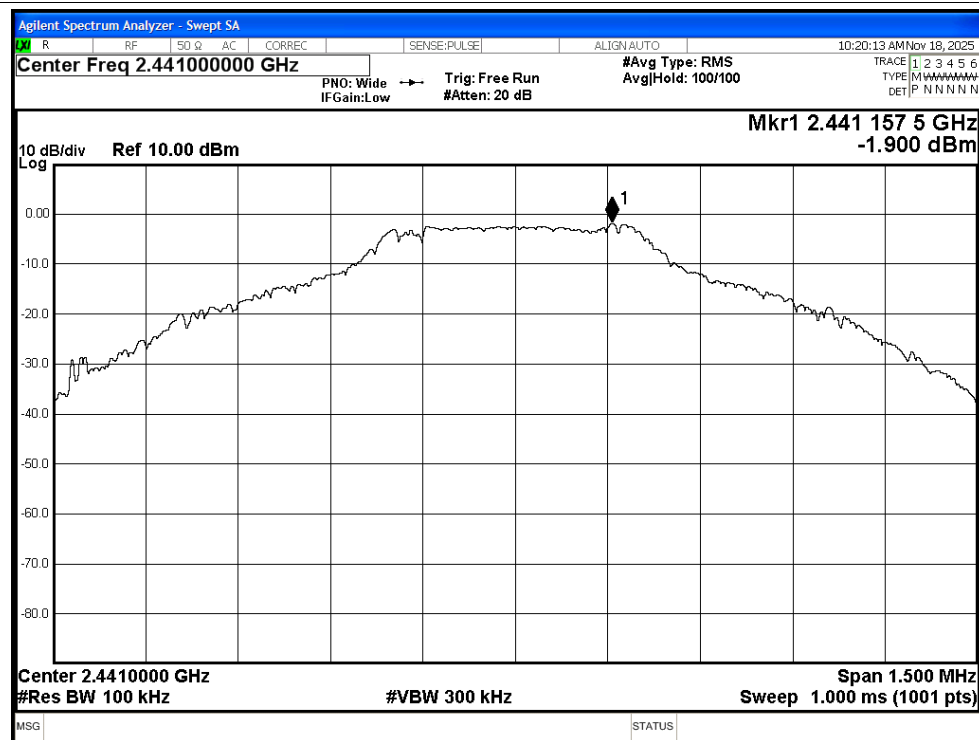
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



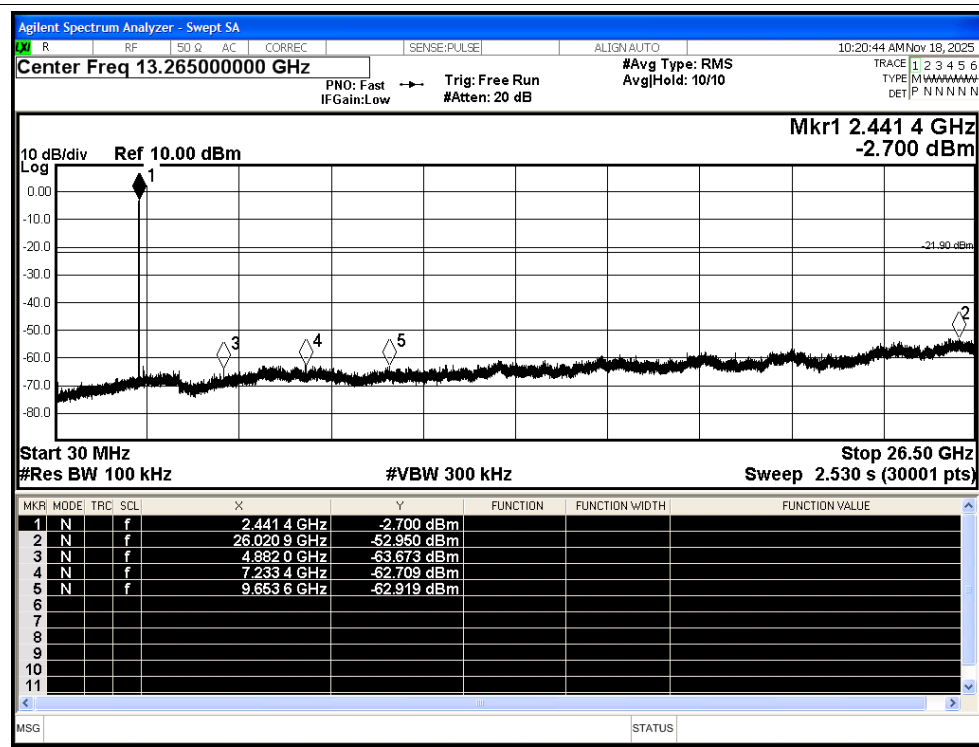
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



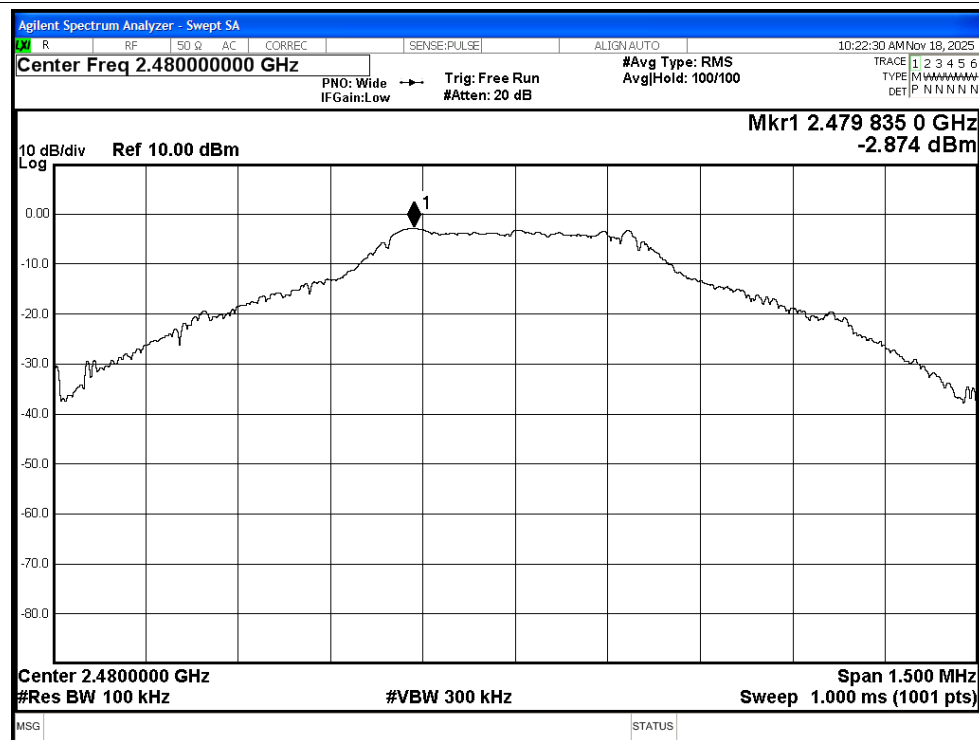
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



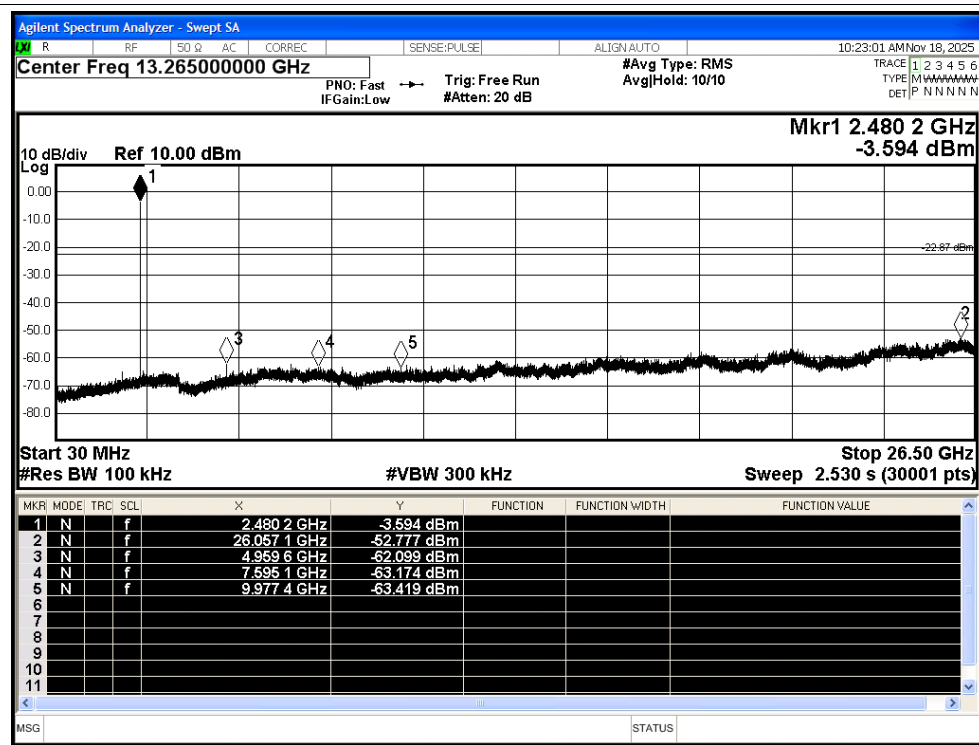
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



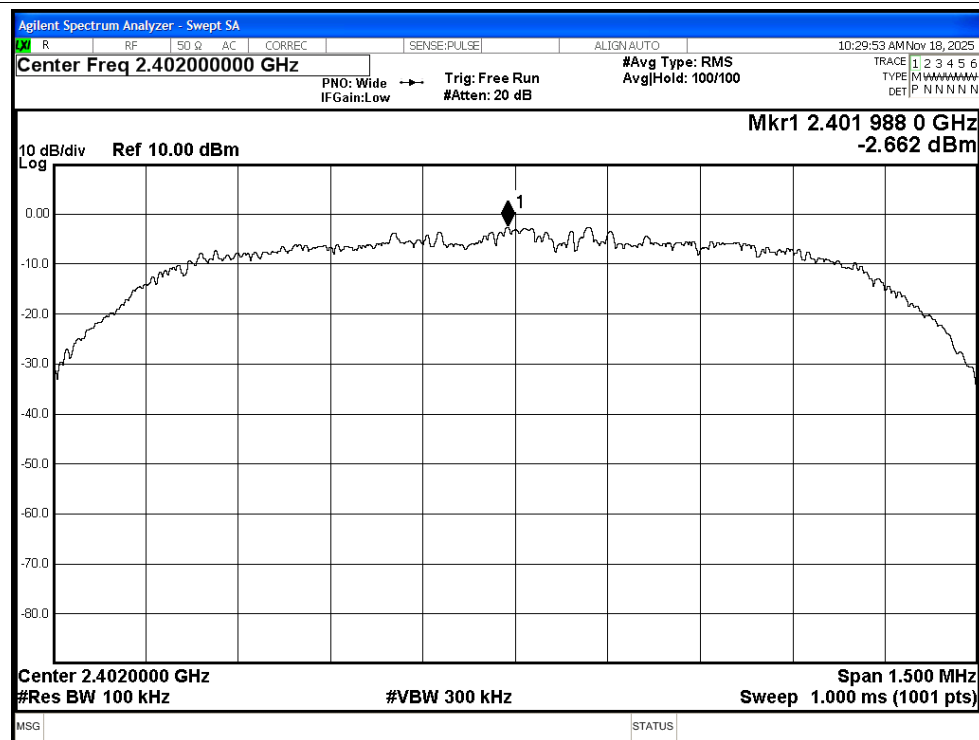
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



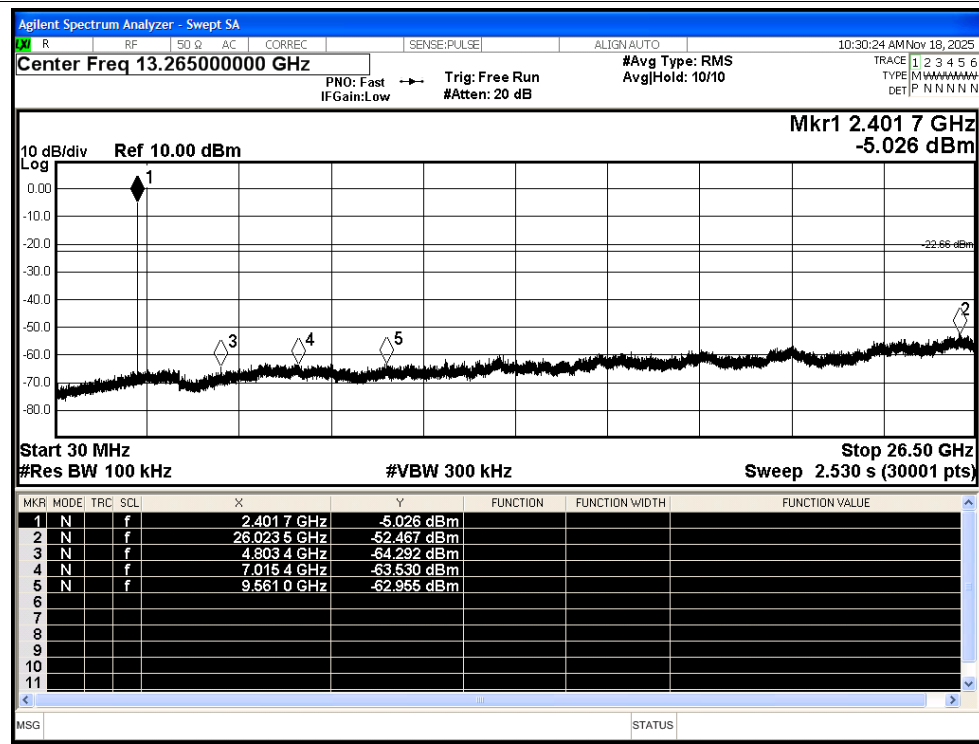
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



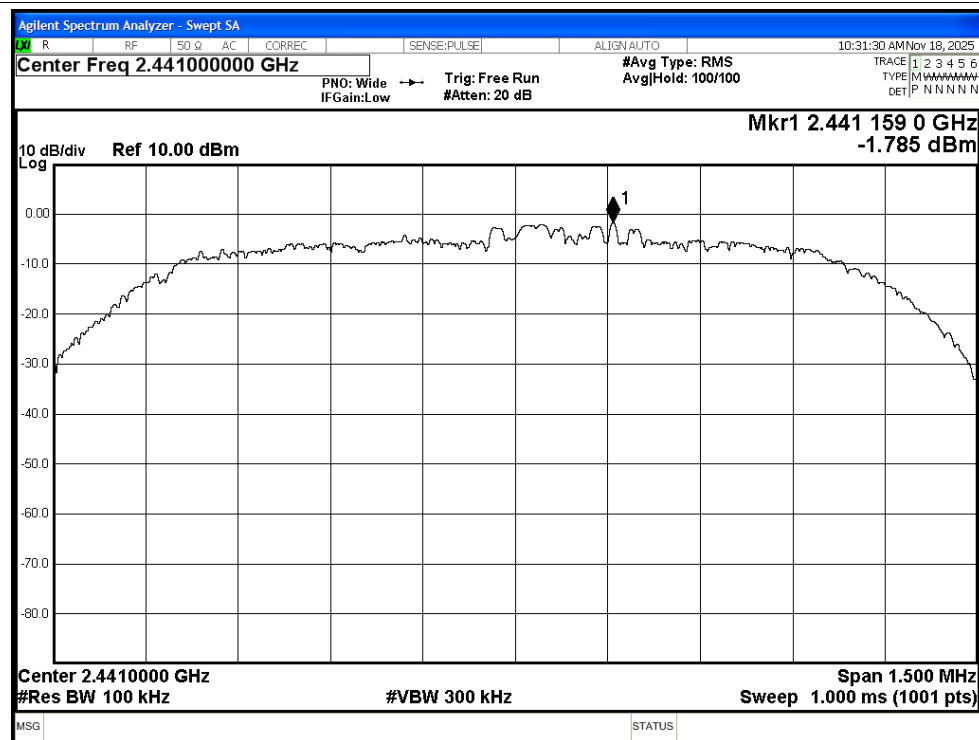
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



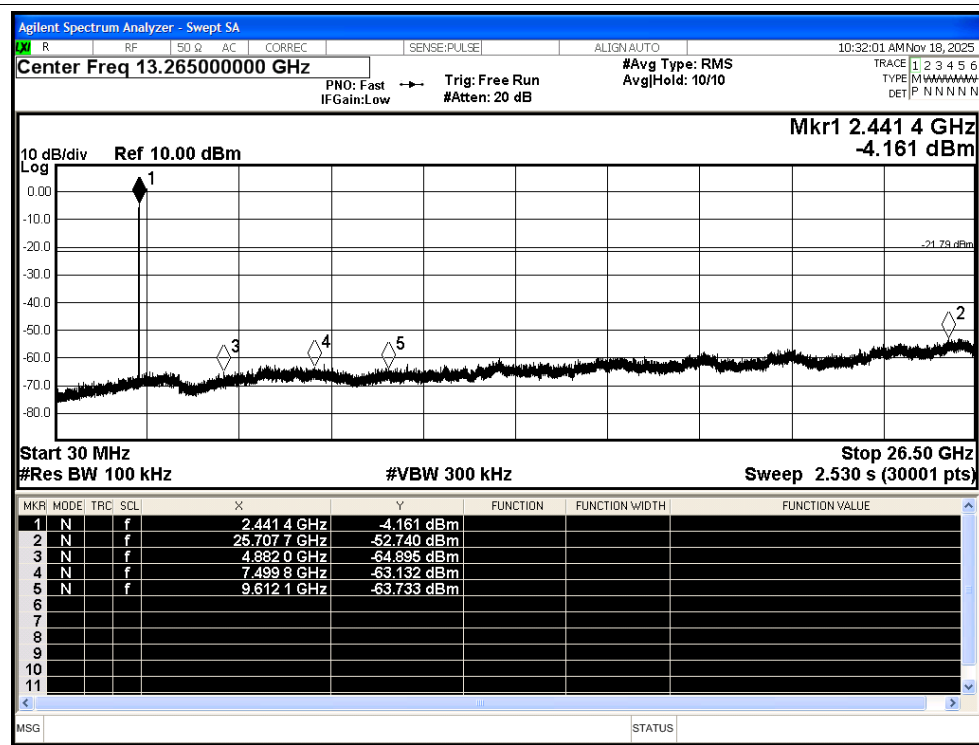
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



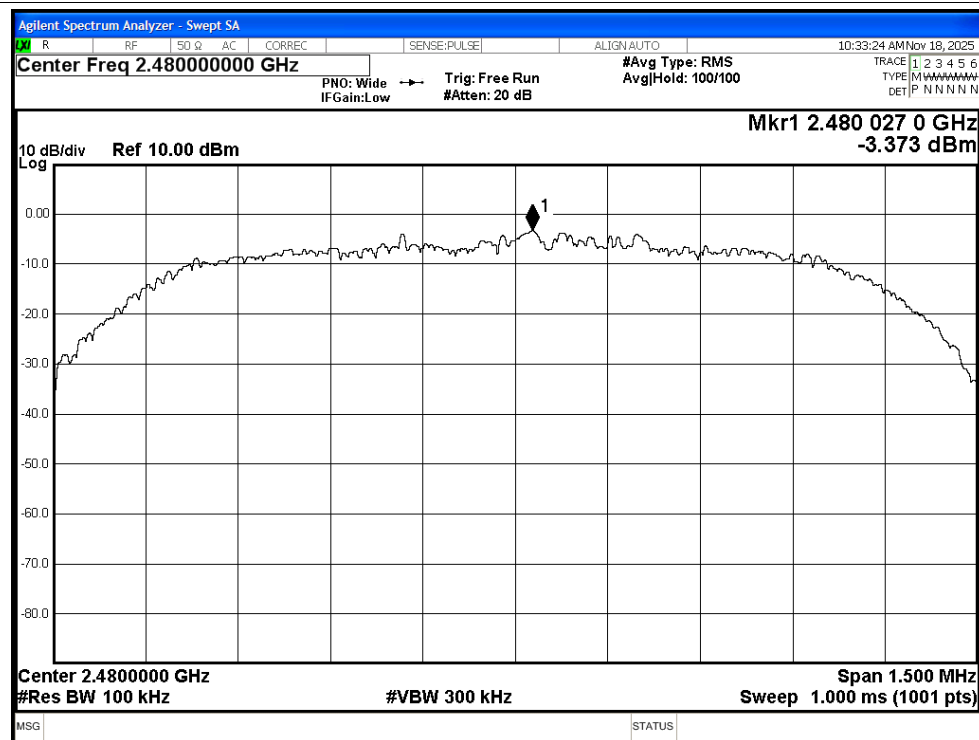
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



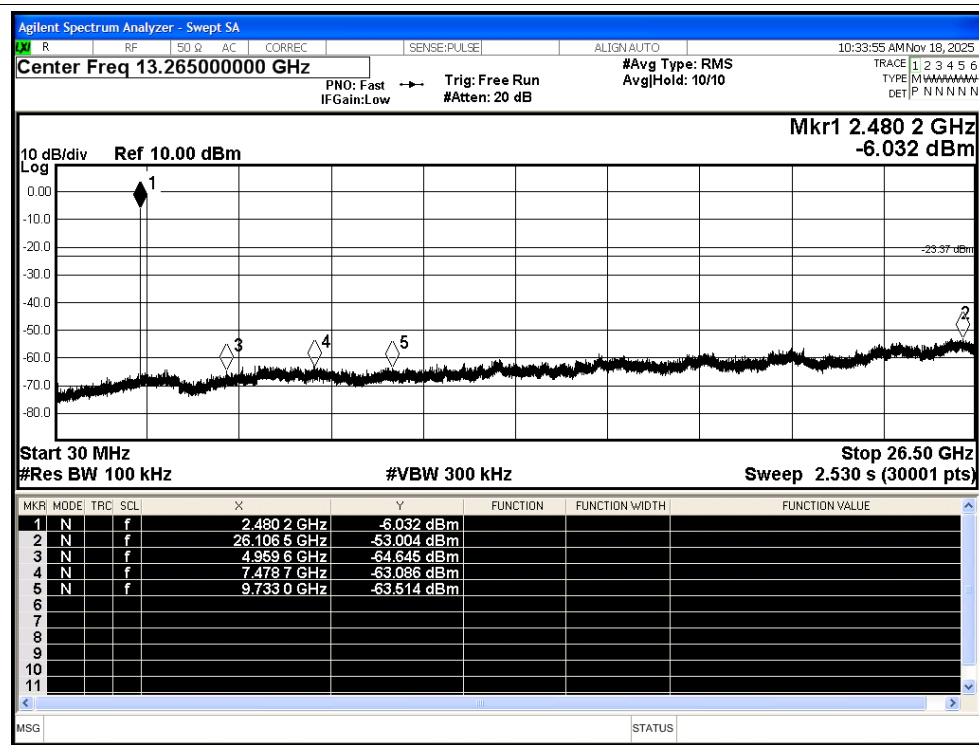
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



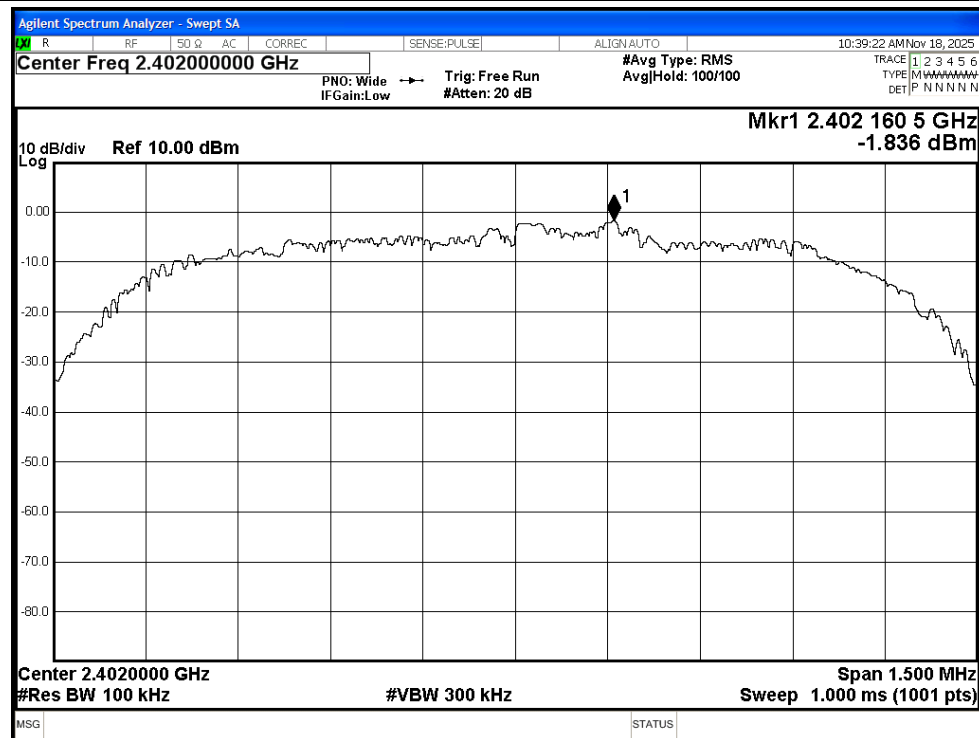
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



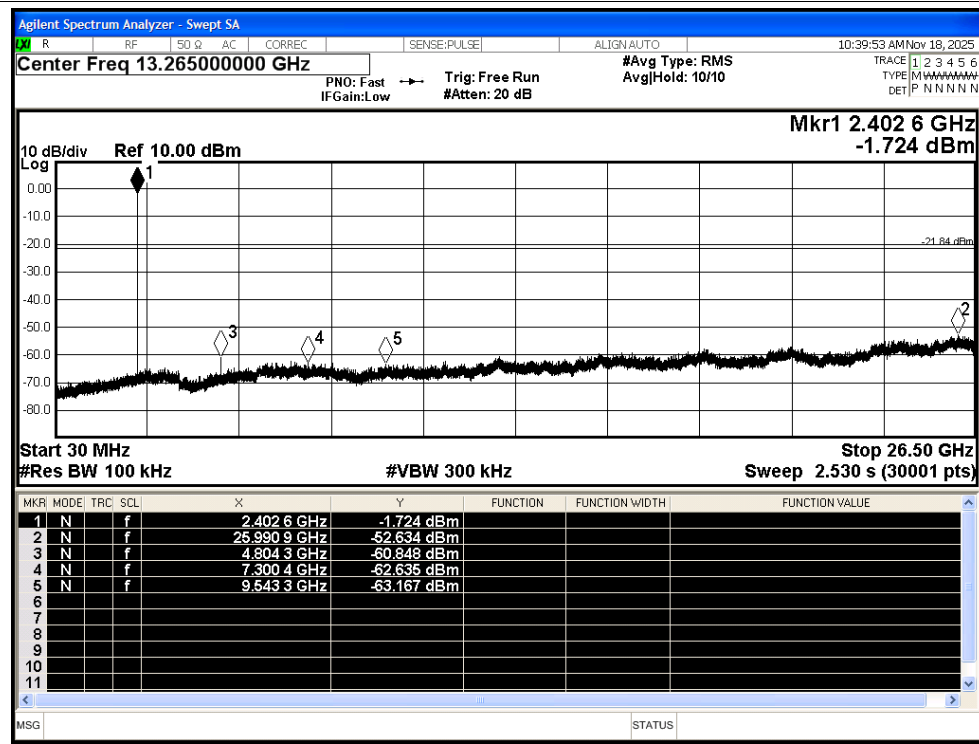
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



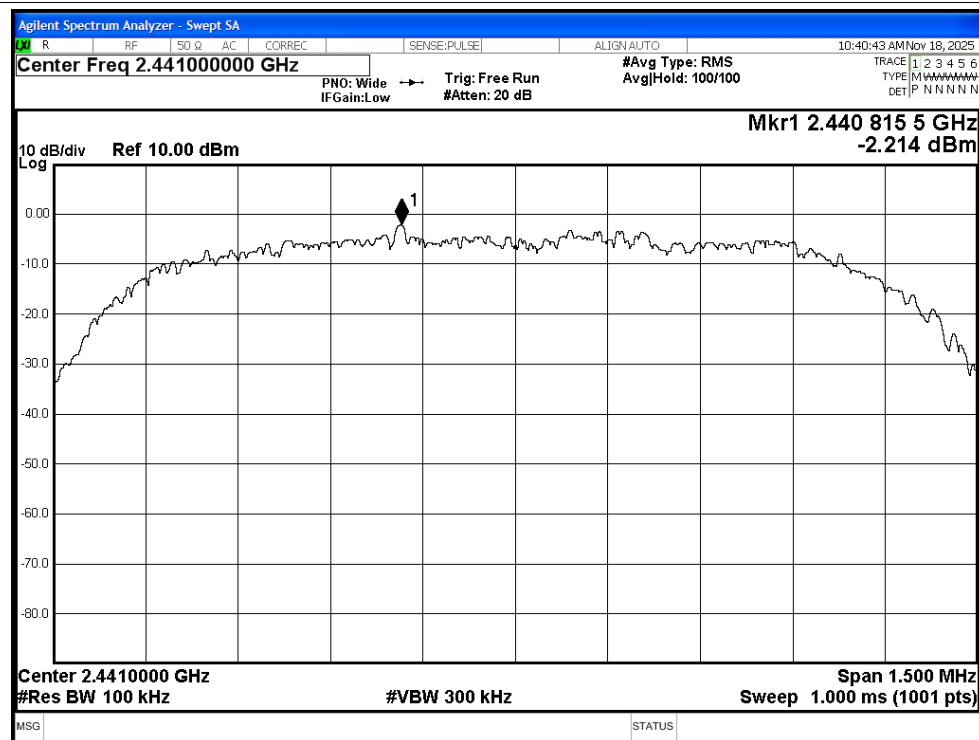
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



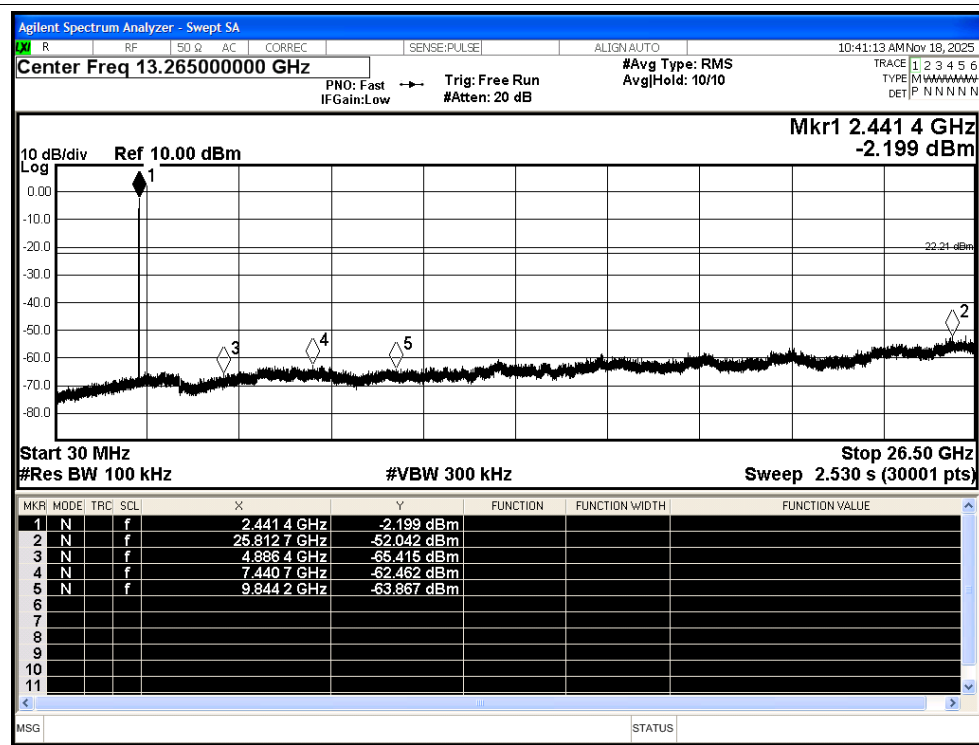
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



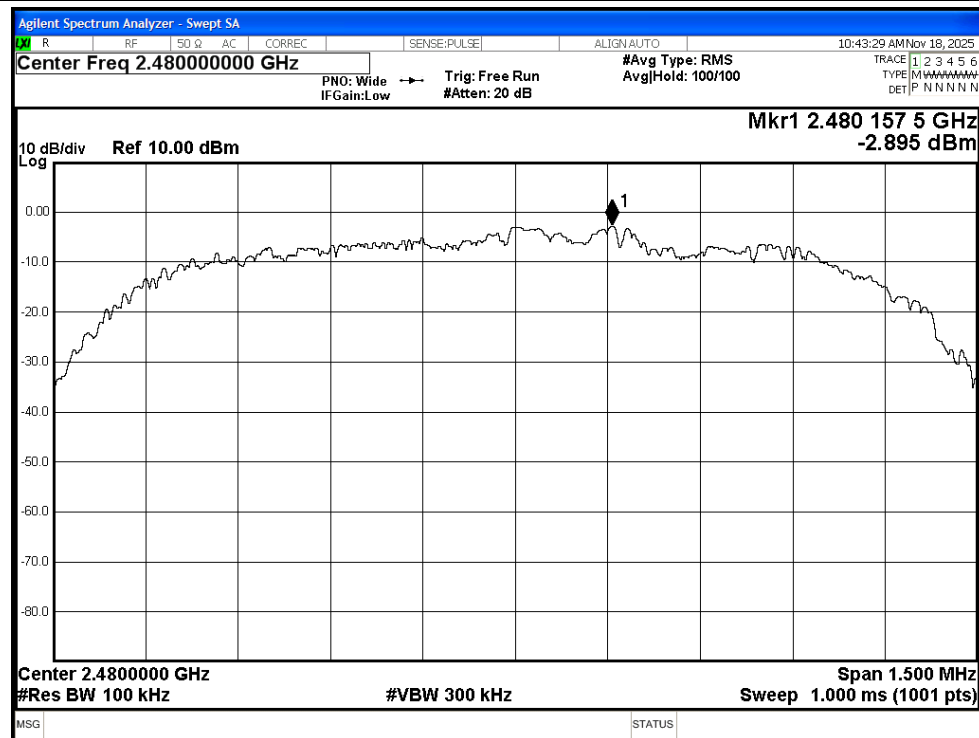
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



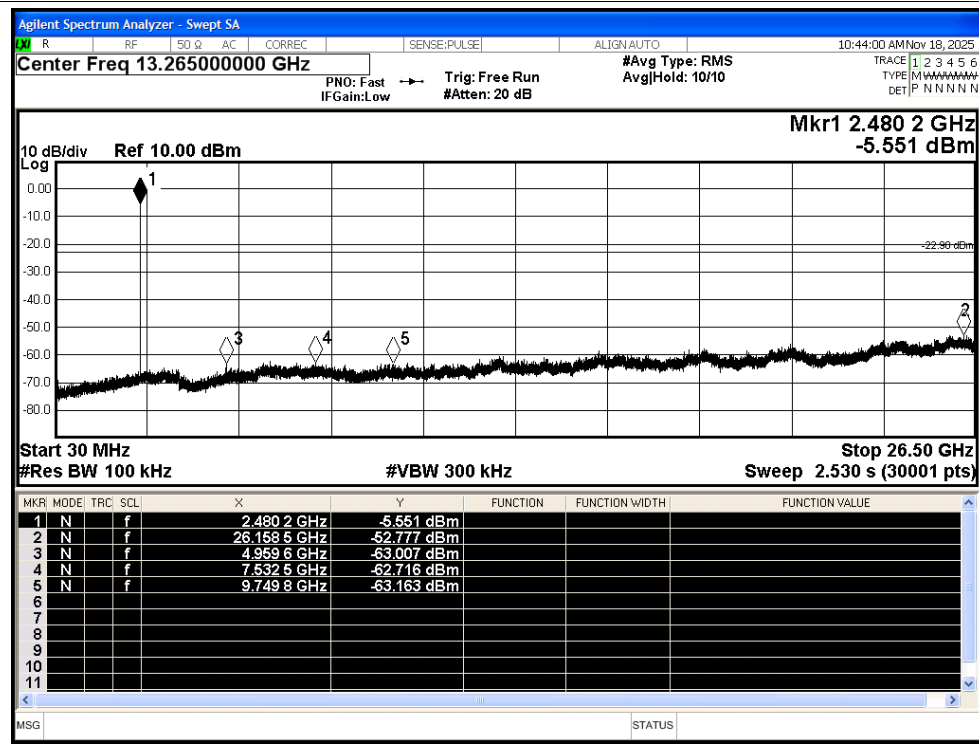
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

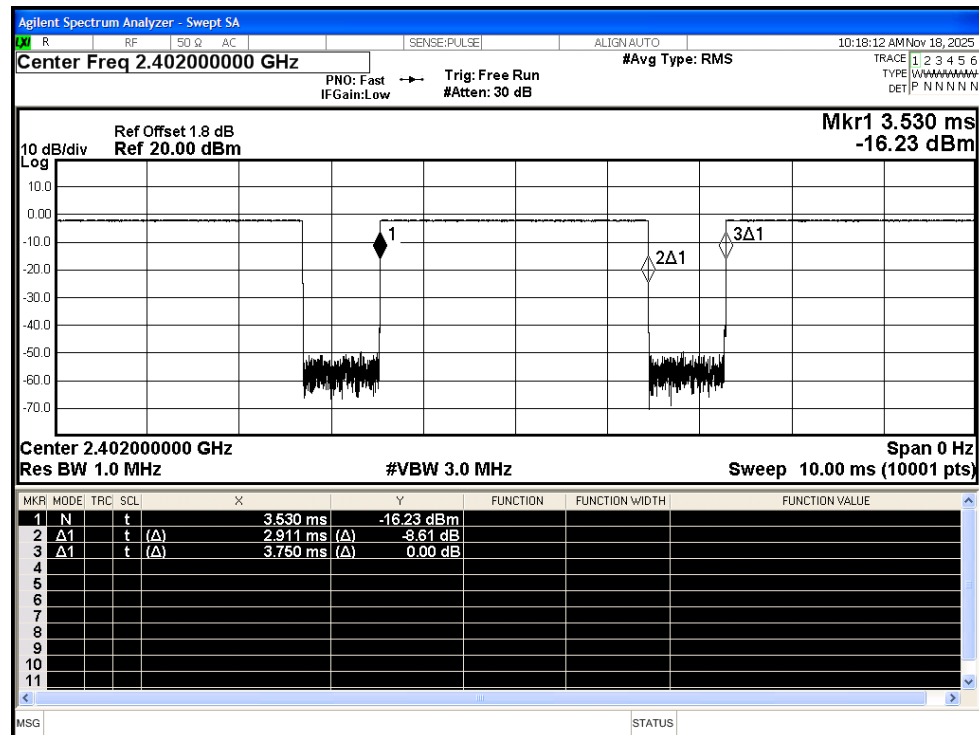


A.8 Duty Cycle

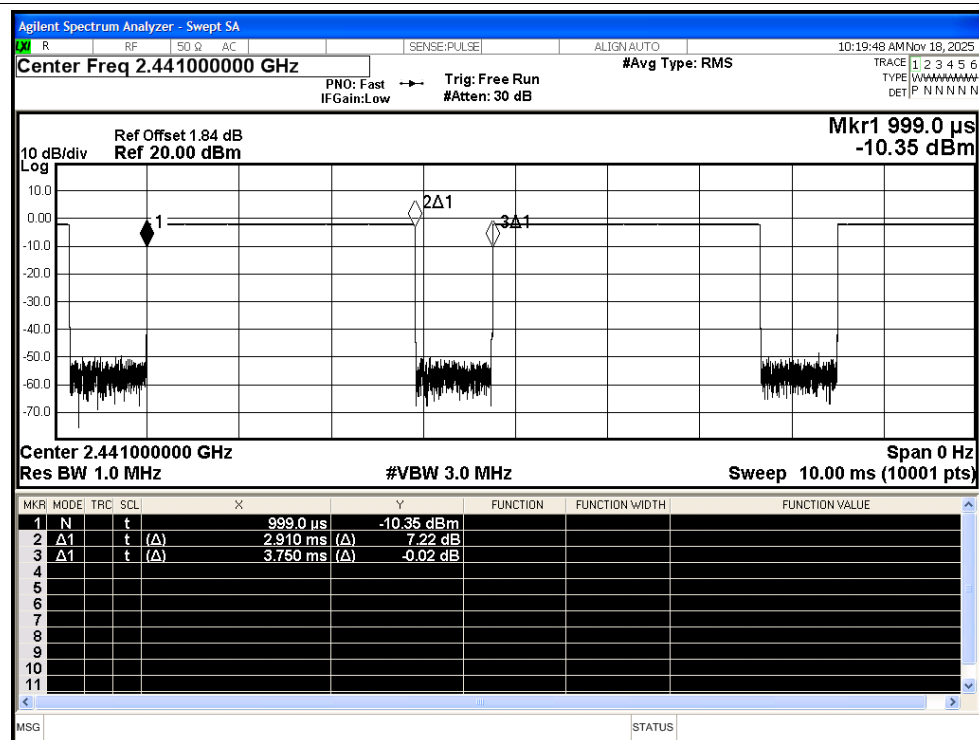
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.63	1.1	0.34
NVNT	1-DH5	2441	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2480	Ant1	77.6	1.1	0.34
NVNT	2-DH5	2402	Ant1	77.33	1.12	0.34
NVNT	2-DH5	2441	Ant1	77.33	1.12	0.34
NVNT	2-DH5	2480	Ant1	77.28	1.12	0.35
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

Test Graphs

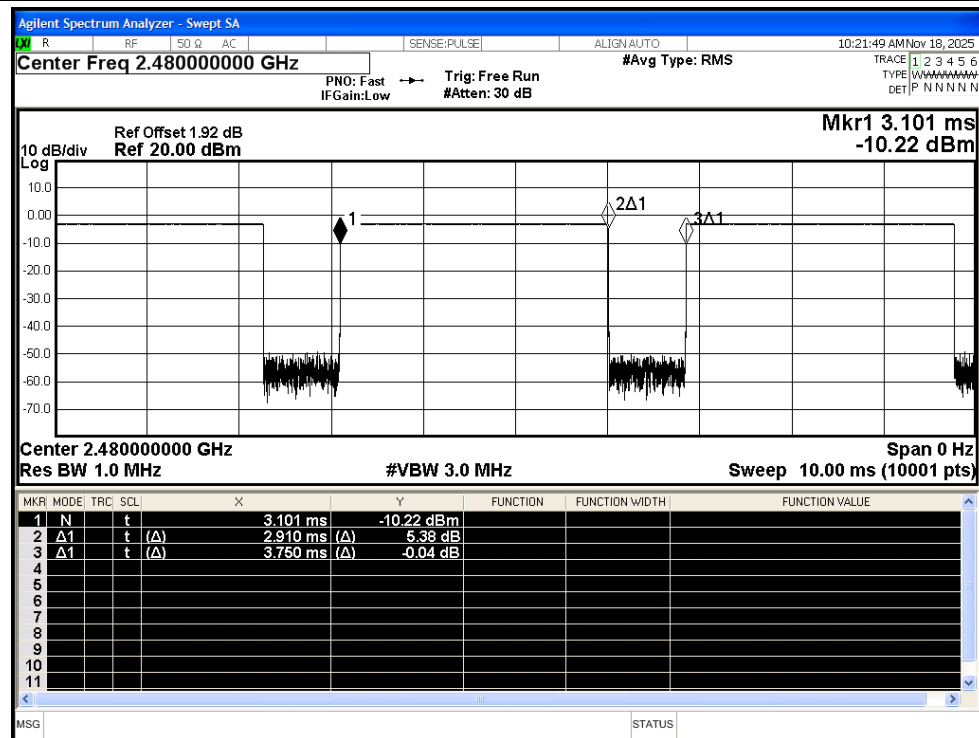
Duty Cycle NVNT 1-DH5 2402MHz Ant1



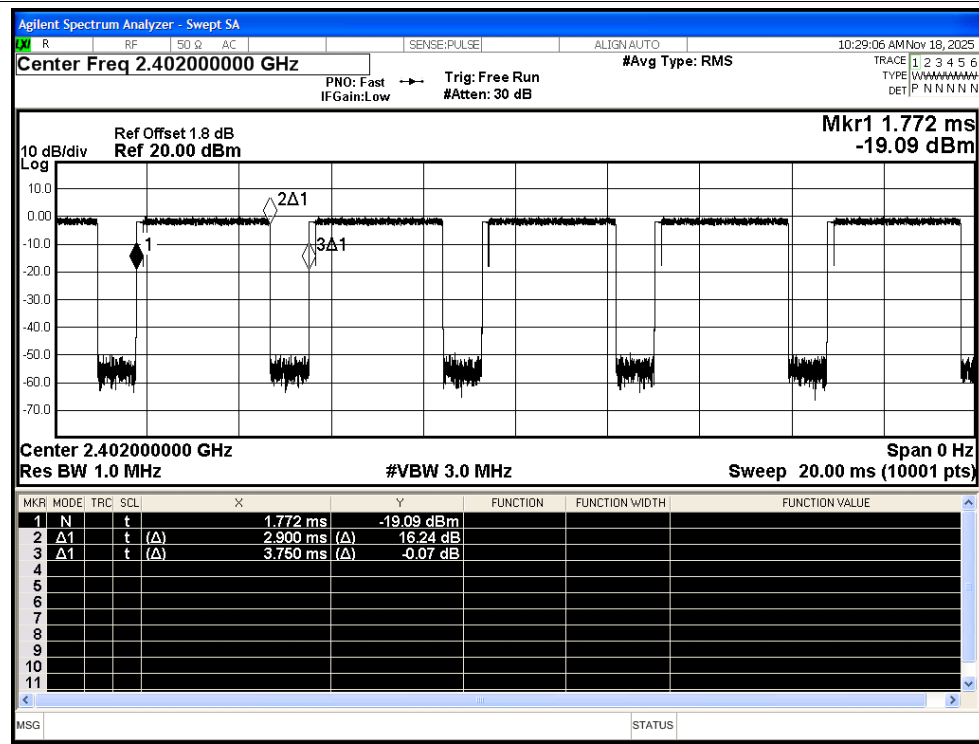
Duty Cycle NVNT 1-DH5 2441MHz Ant1



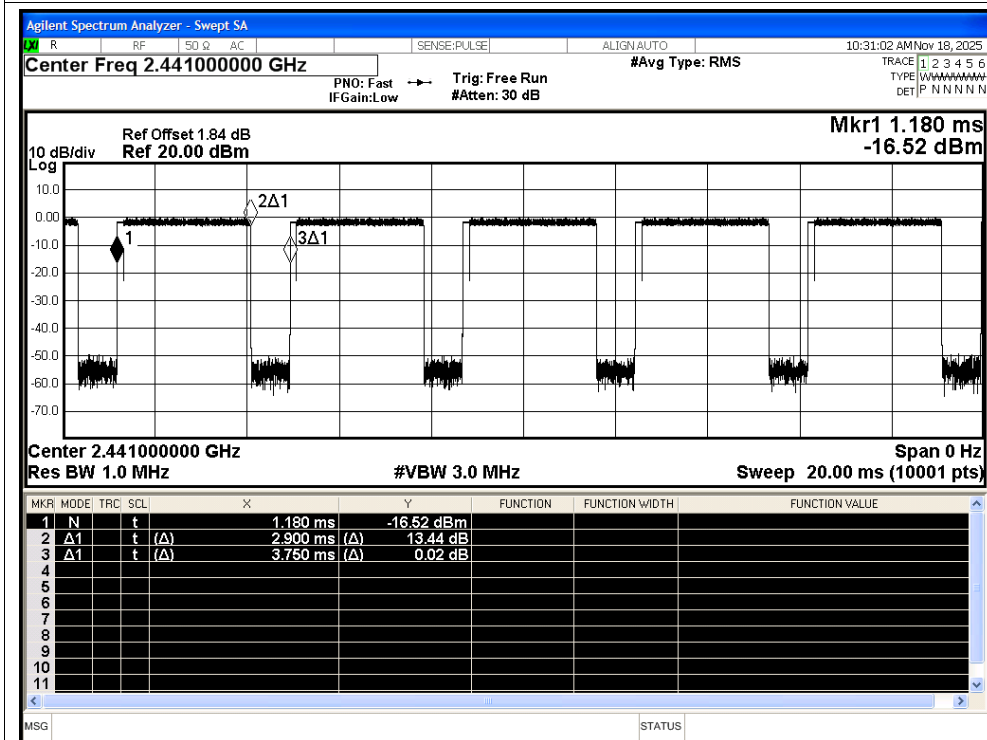
Duty Cycle NVNT 1-DH5 2480MHz Ant1



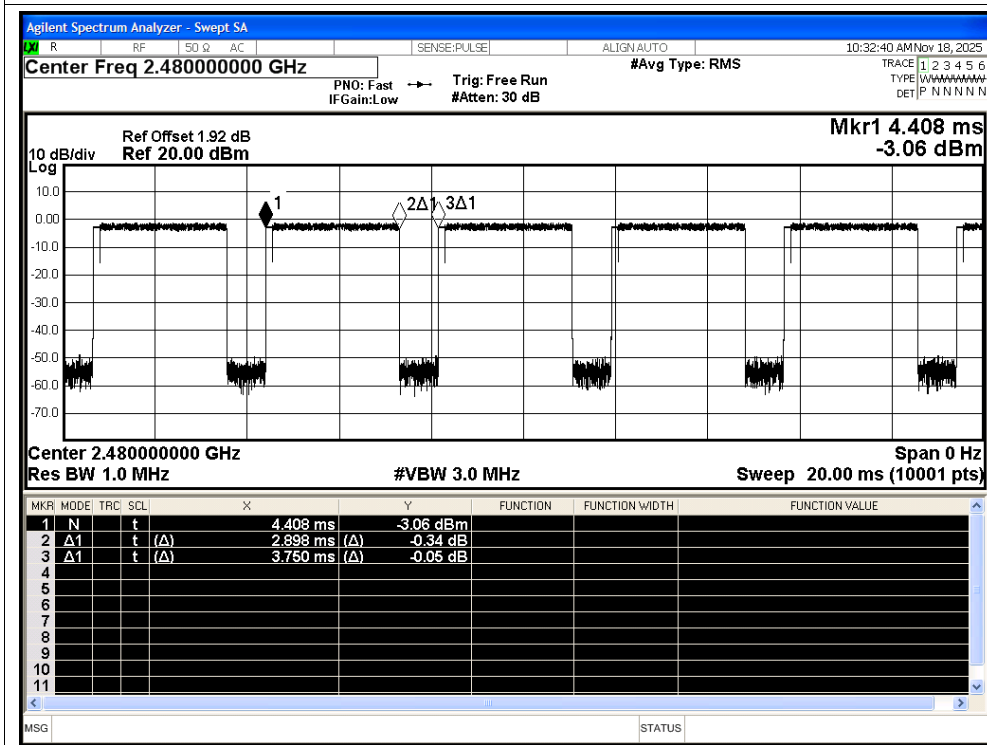
Duty Cycle NVNT 2-DH5 2402MHz Ant1



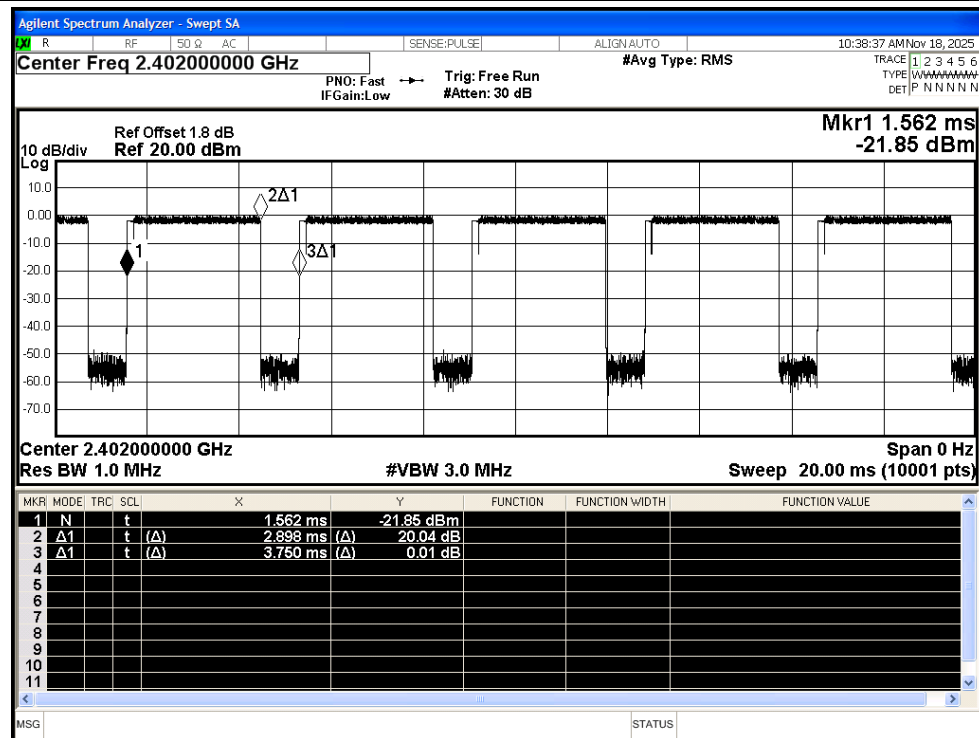
Duty Cycle NVNT 2-DH5 2441MHz Ant1



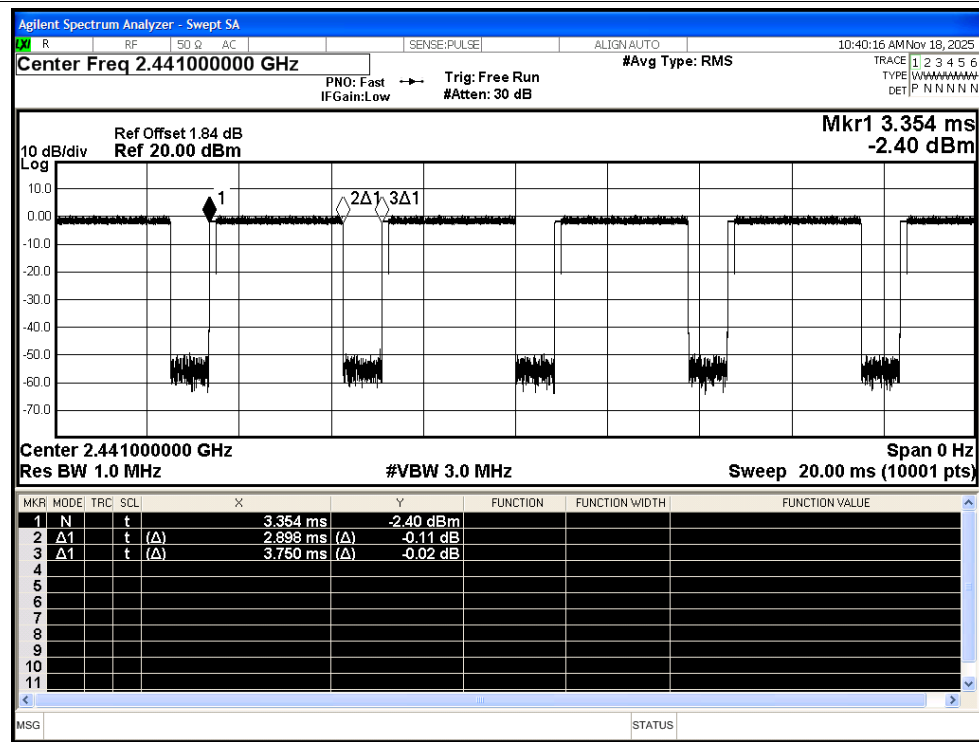
Duty Cycle NVNT 2-DH5 2480MHz Ant1

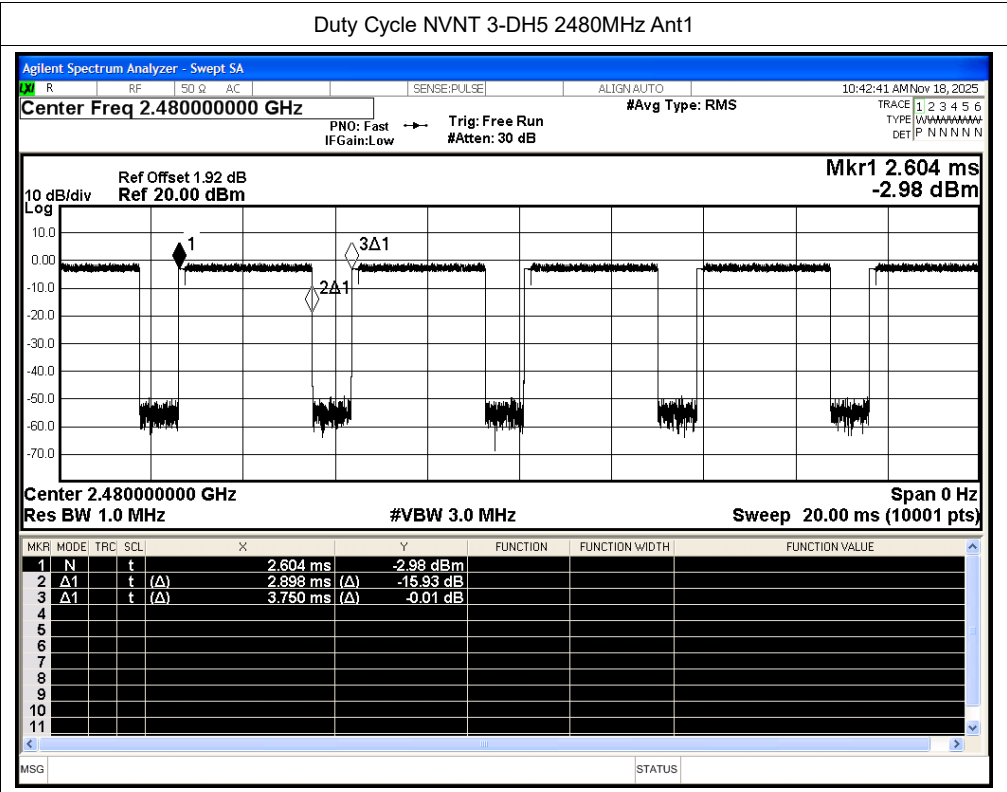


Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1



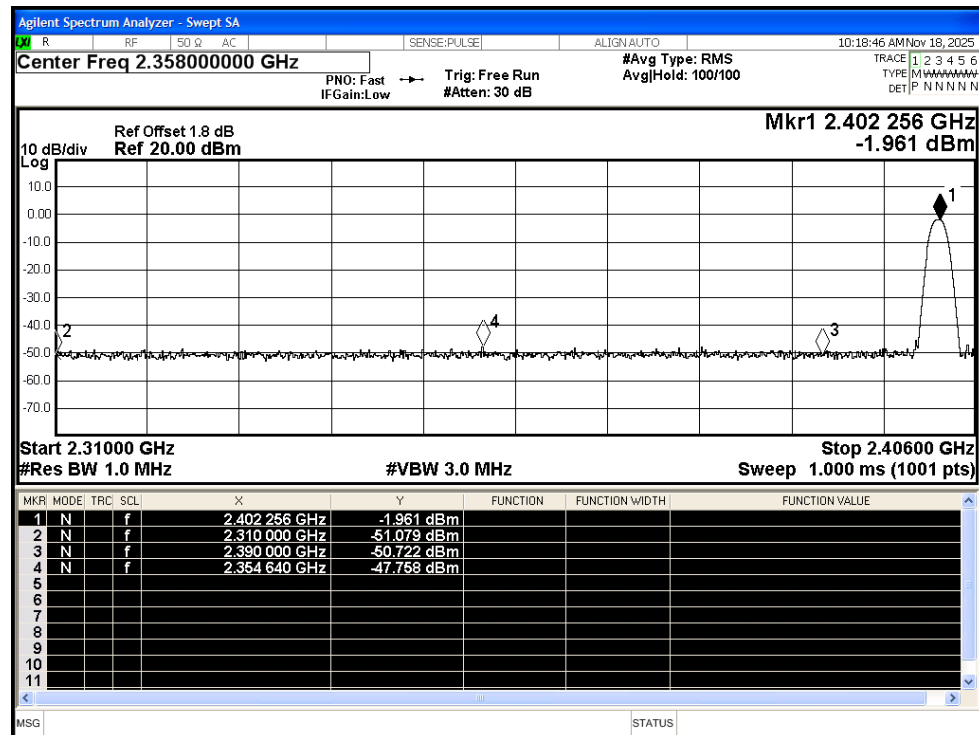


A.9 Restrict Band

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	-51.08	3.65	-	47.83	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.55	3.65	1.1	41.46	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2354.64	-47.76	3.65	-	51.15	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2386.032	-57.86	3.65	1.1	42.15	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.72	3.65	-	48.19	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.65	3.65	1.1	41.36	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.7	3.65	-	48.21	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-58.14	3.65	1.1	41.87	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2490.688	-47.27	3.65	-	51.64	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2489.944	-57.34	3.65	1.1	42.67	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.51	3.65	-	49.4	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.96	3.65	1.1	42.05	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.75	3.65	-	47.16	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-59.25	3.65	1.12	40.78	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2378.736	-47.95	3.65	-	50.96	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2383.344	-57.94	3.65	1.12	42.09	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.87	3.65	-	48.04	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.56	3.65	1.12	41.47	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.62	3.65	-	49.29	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.95	3.65	1.12	42.08	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2490.496	-46.92	3.65	-	51.99	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2487.568	-57.3	3.65	1.12	42.73	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.26	3.65	-	47.65	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.39	3.65	1.12	41.64	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.52	3.65	-	48.39	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.74	3.65	1.12	41.29	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2352.24	-47.85	3.65	-	51.06	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2388.72	-57.76	3.65	1.12	42.27	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.65	3.65	-	48.26	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.06	3.65	1.12	41.97	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.63	3.65	-	49.28	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-57.34	3.65	1.12	42.69	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2484.04	-46.96	3.65	-	51.95	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2486.272	-57.31	3.65	1.12	42.72	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.67	3.65	-	49.24	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.36	3.65	1.12	41.67	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

