



Appendix A

RF Test Data for BT(Conducted Measurement)

Product Name: All-In-One Desktop
Test Model: SC-5527AIO

Environmental Conditions

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





A.1 -20dB Bandwidth

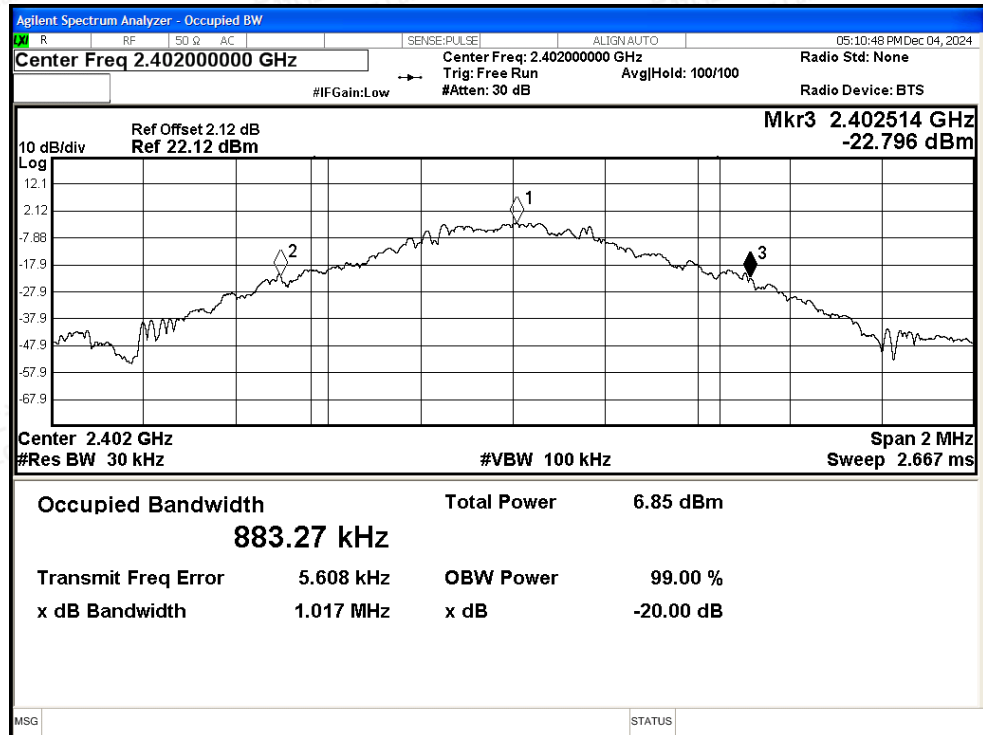
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	BT ANT	1.017	N/A	Pass
NVNT	1-DH5	2441	BT ANT	0.942	N/A	Pass
NVNT	1-DH5	2480	BT ANT	0.967	N/A	Pass
NVNT	2-DH5	2402	BT ANT	1.279	N/A	Pass
NVNT	2-DH5	2441	BT ANT	1.284	N/A	Pass
NVNT	2-DH5	2480	BT ANT	1.306	N/A	Pass
NVNT	3-DH5	2402	BT ANT	1.304	N/A	Pass
NVNT	3-DH5	2441	BT ANT	1.3	N/A	Pass
NVNT	3-DH5	2480	BT ANT	1.297	N/A	Pass





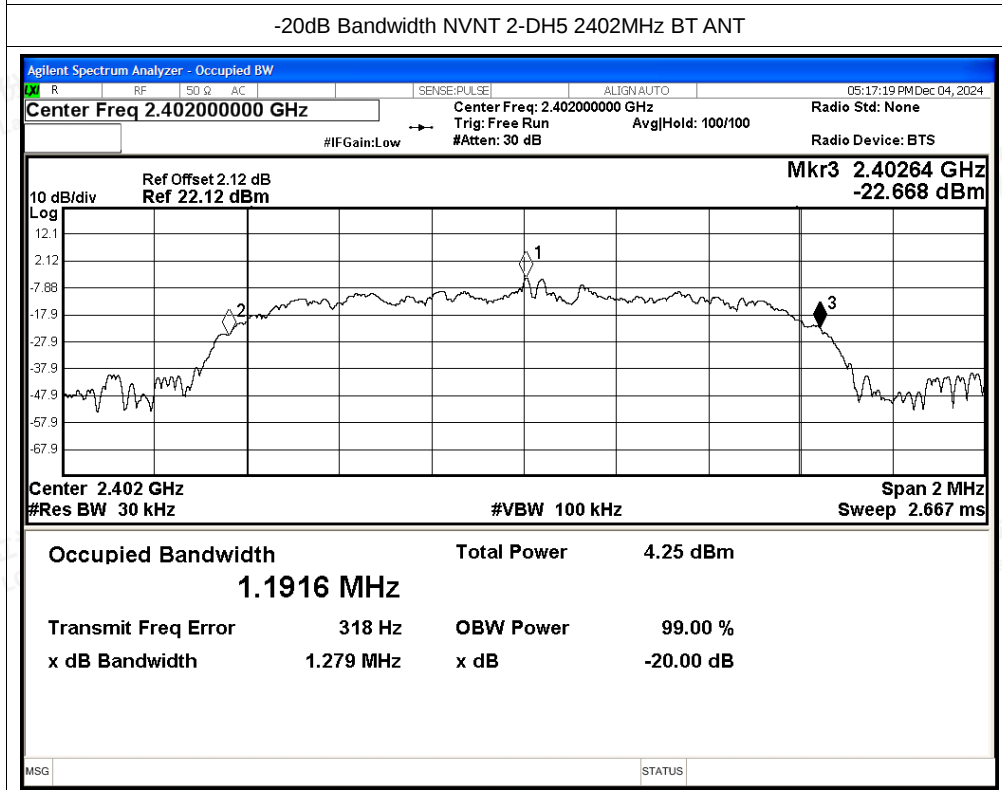
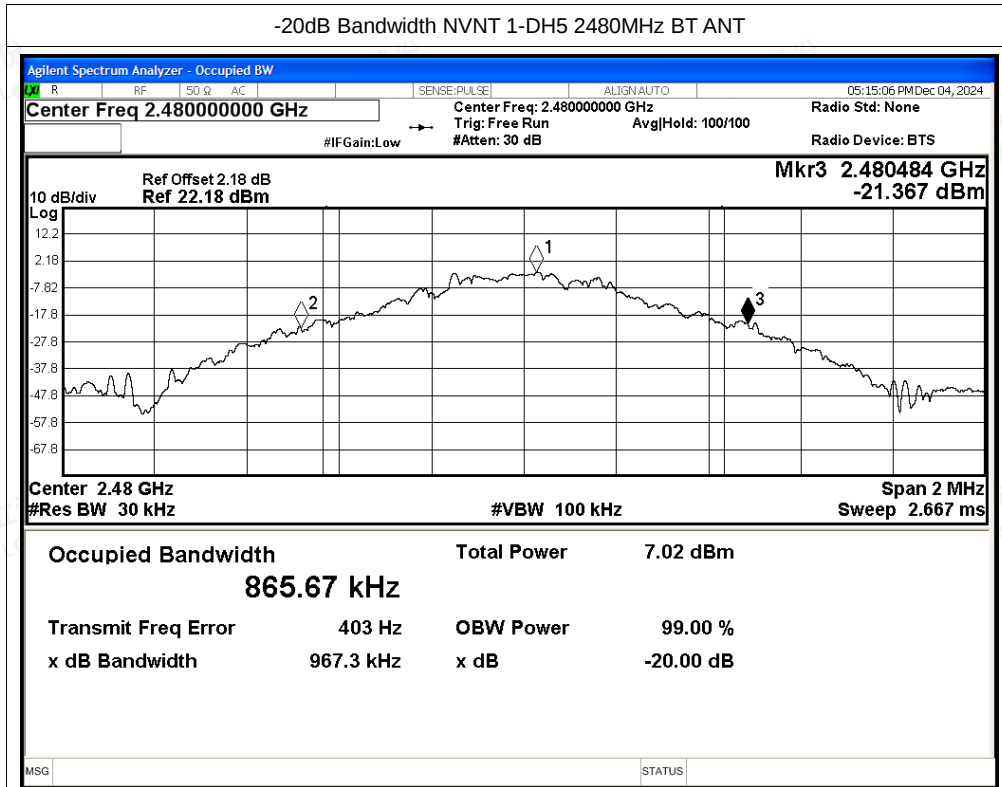
Test Graphs

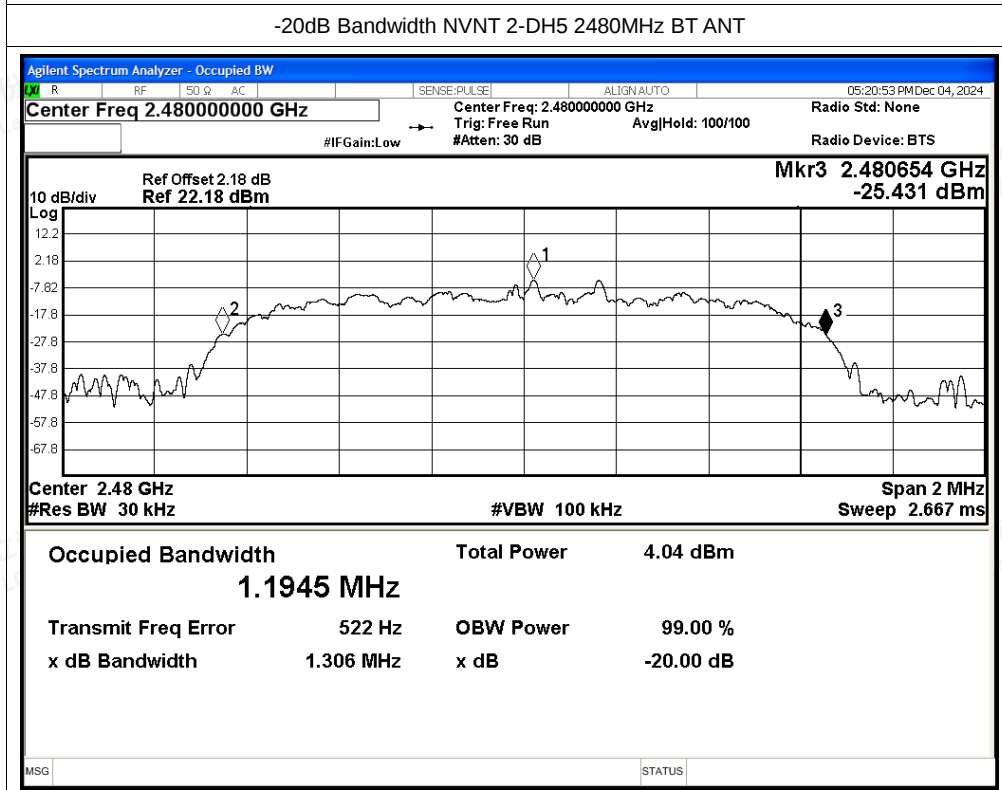
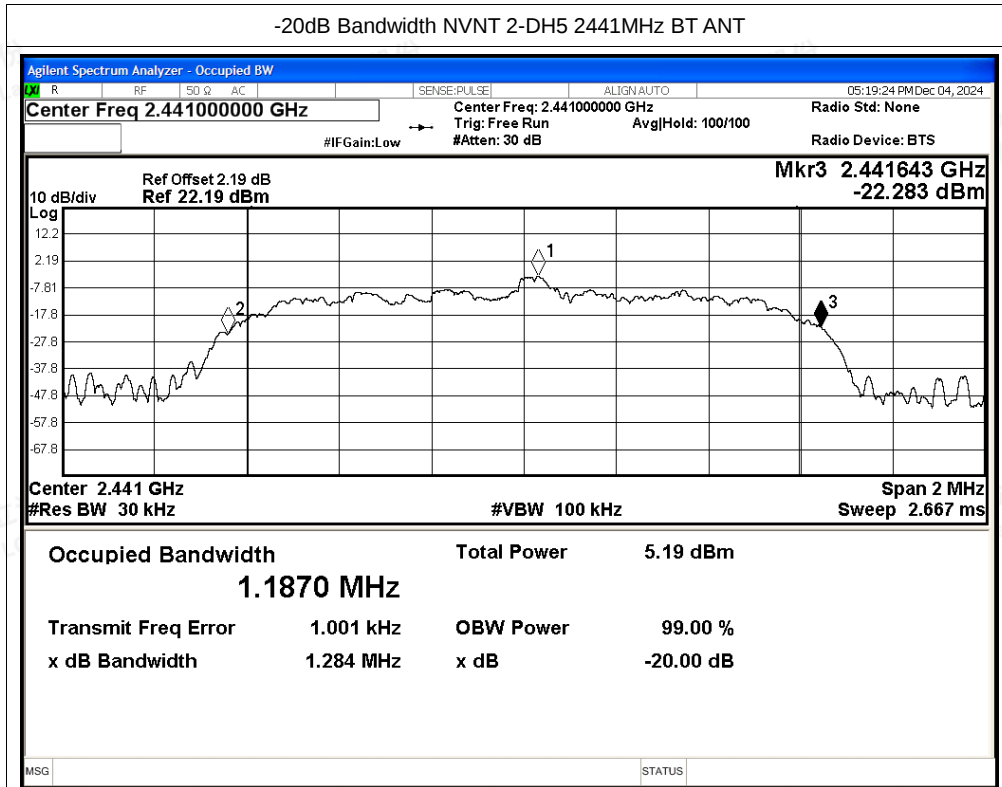
-20dB Bandwidth NVNT 1-DH5 2402MHz BT ANT

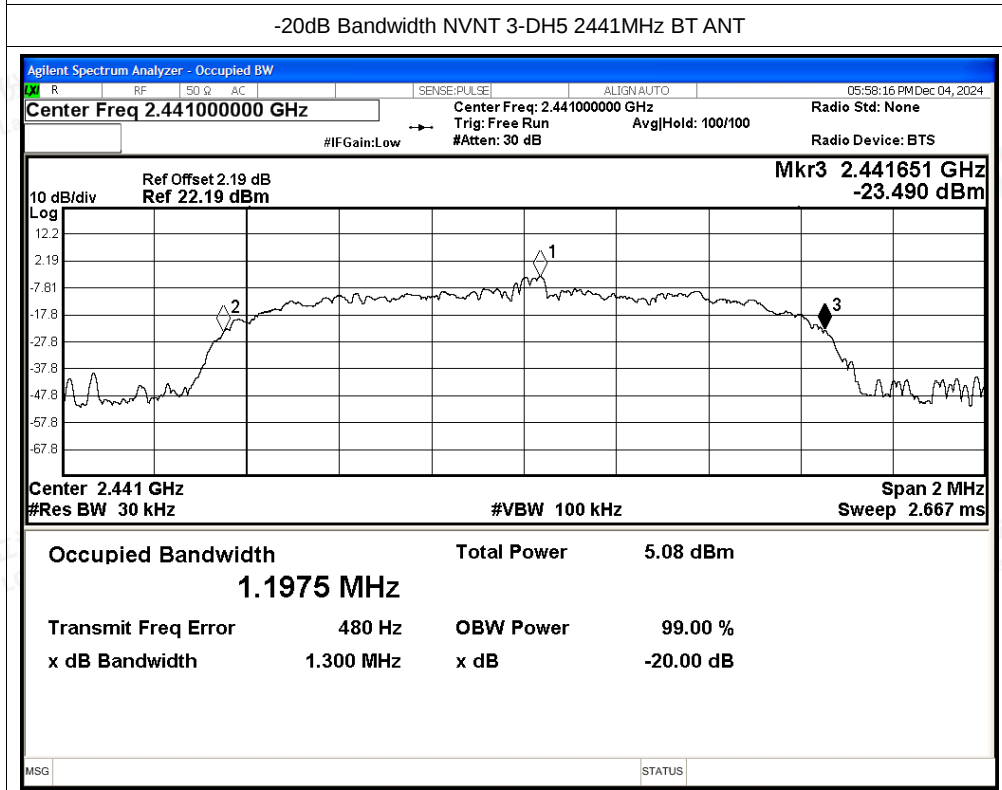
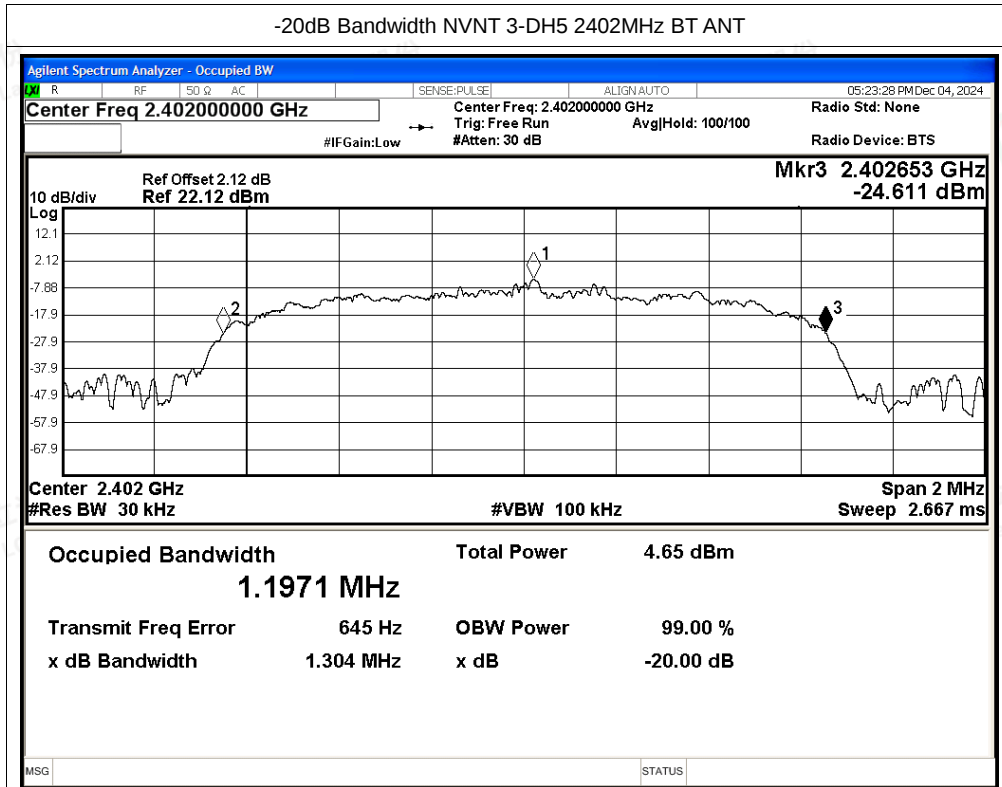


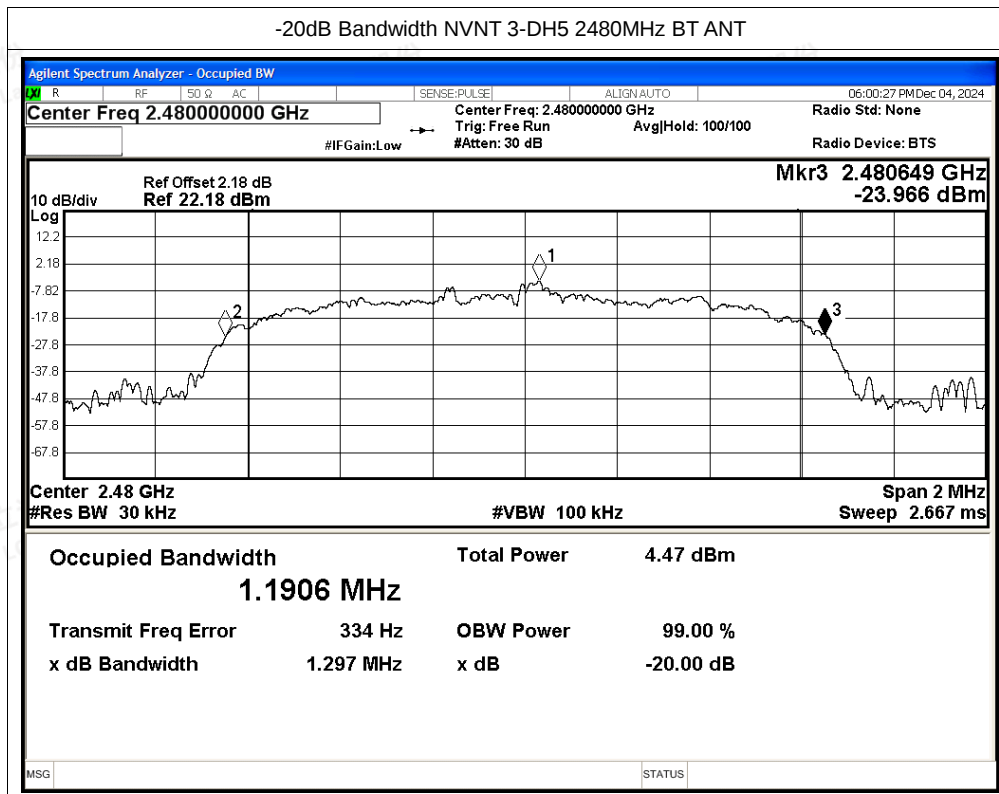
-20dB Bandwidth NVNT 1-DH5 2441MHz BT ANT













A.2 Maximum Peak Conducted Output Power

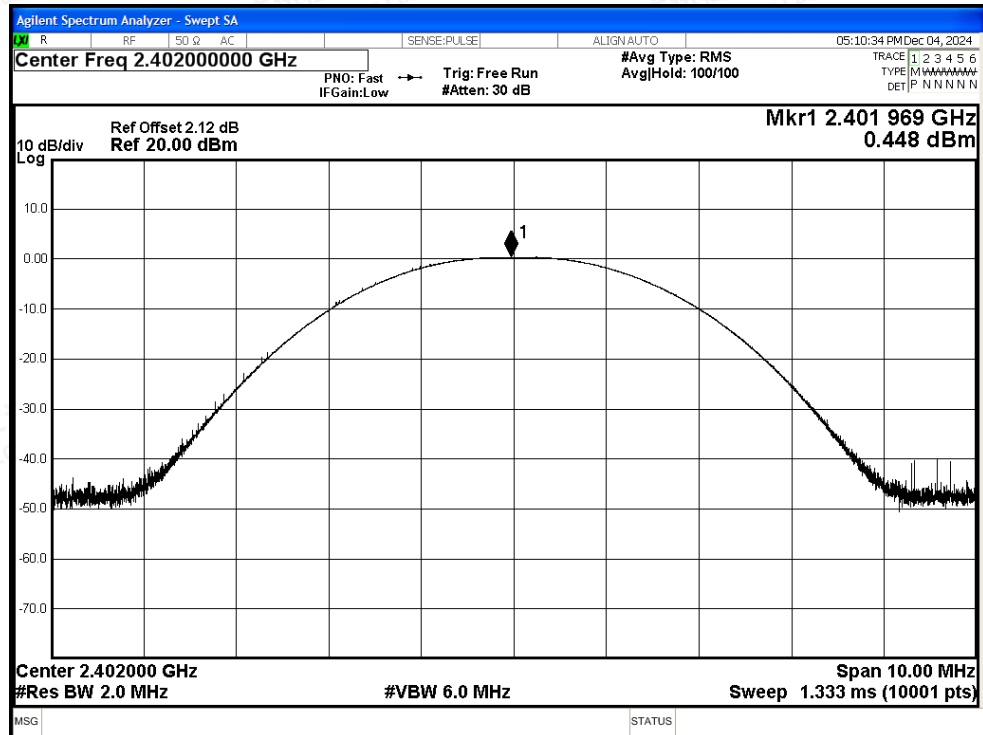
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	BT ANT	0.45	21	Pass
NVNT	1-DH5	2441	BT ANT	0.04	21	Pass
NVNT	1-DH5	2480	BT ANT	0.56	21	Pass
NVNT	2-DH5	2402	BT ANT	0.27	21	Pass
NVNT	2-DH5	2441	BT ANT	0.7	21	Pass
NVNT	2-DH5	2480	BT ANT	-0.14	21	Pass
NVNT	3-DH5	2402	BT ANT	0.66	21	Pass
NVNT	3-DH5	2441	BT ANT	1.05	21	Pass
NVNT	3-DH5	2480	BT ANT	0.22	21	Pass



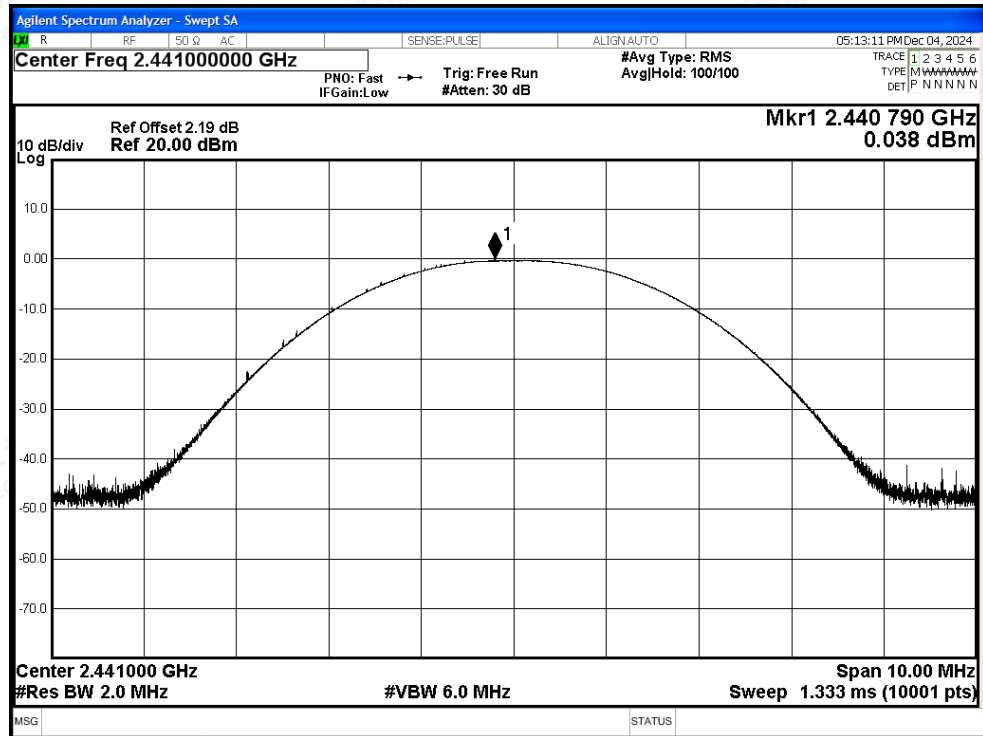


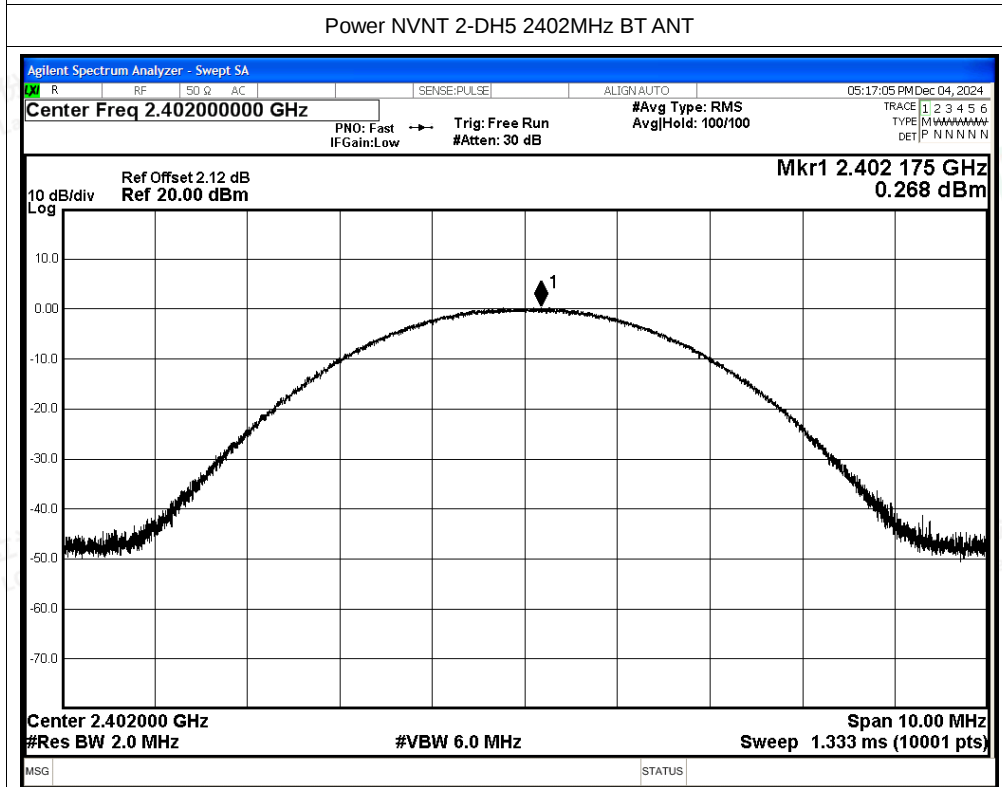
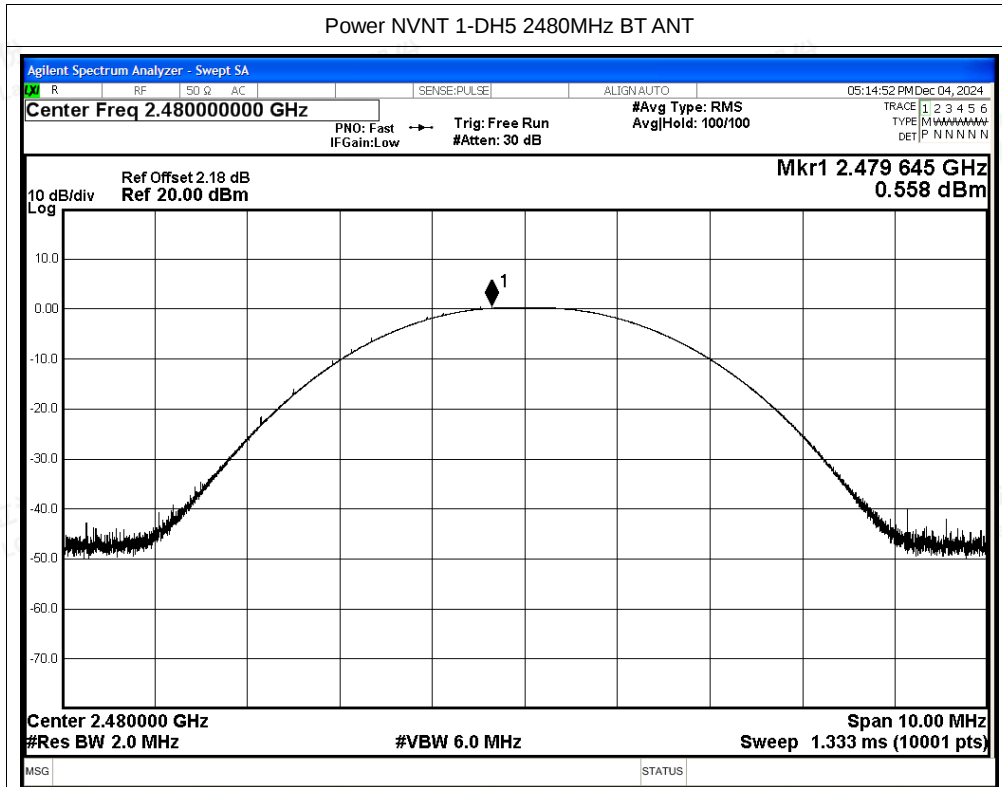
Test Graphs

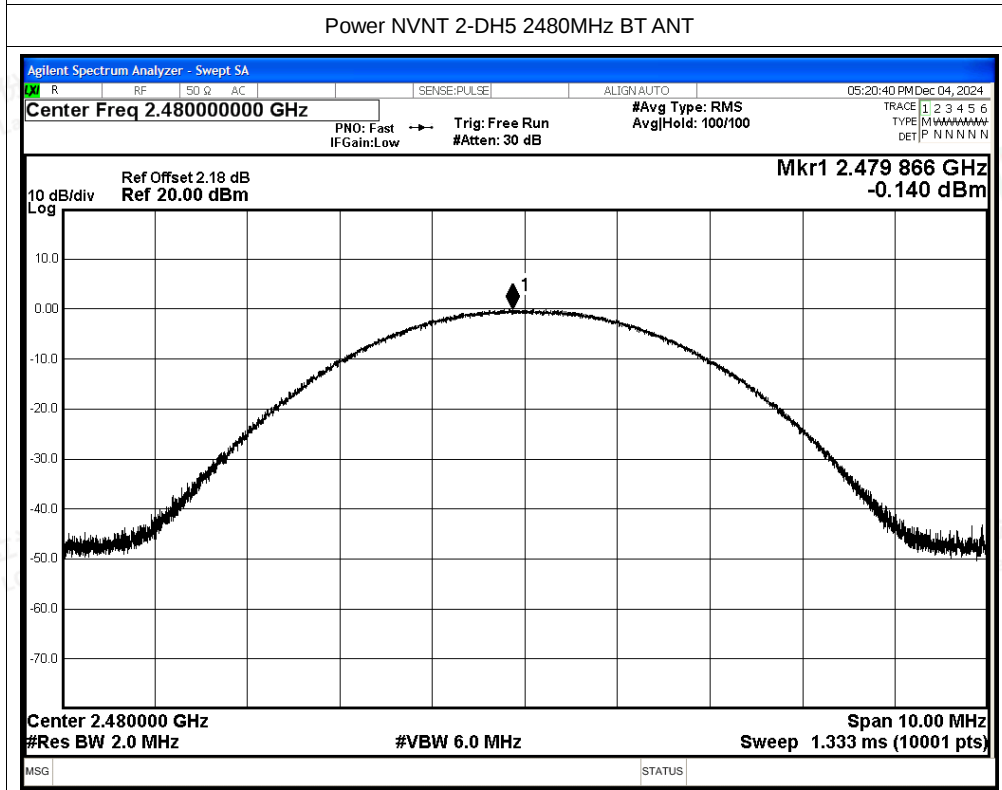
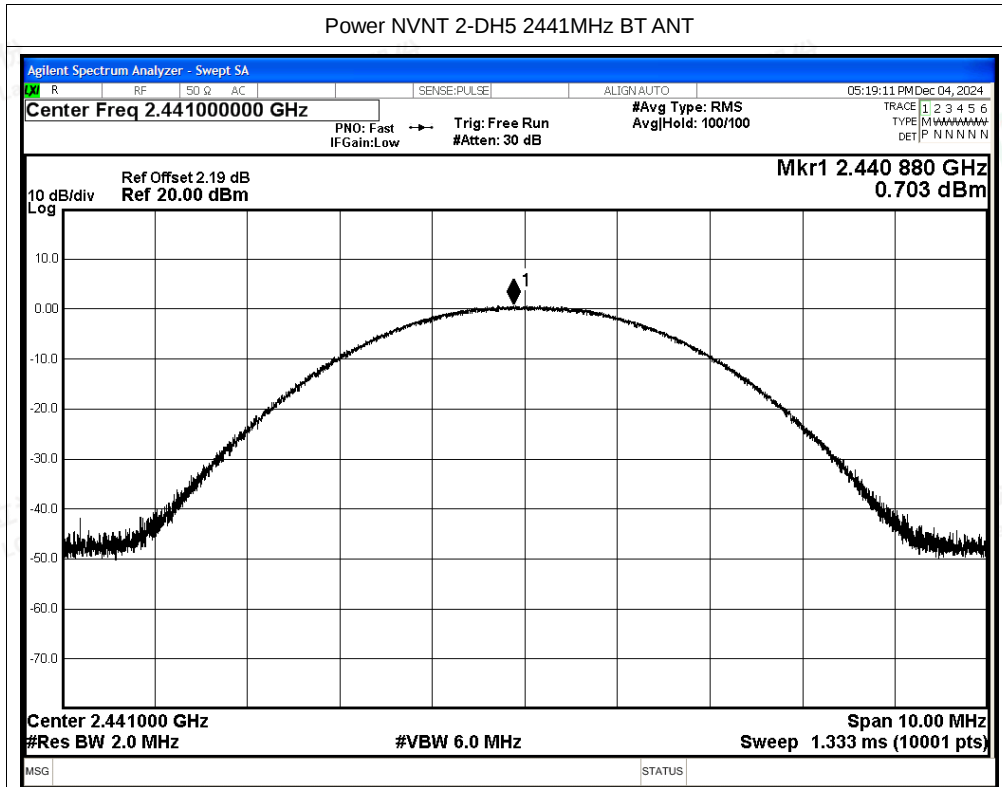
Power NVNT 1-DH5 2402MHz BT ANT

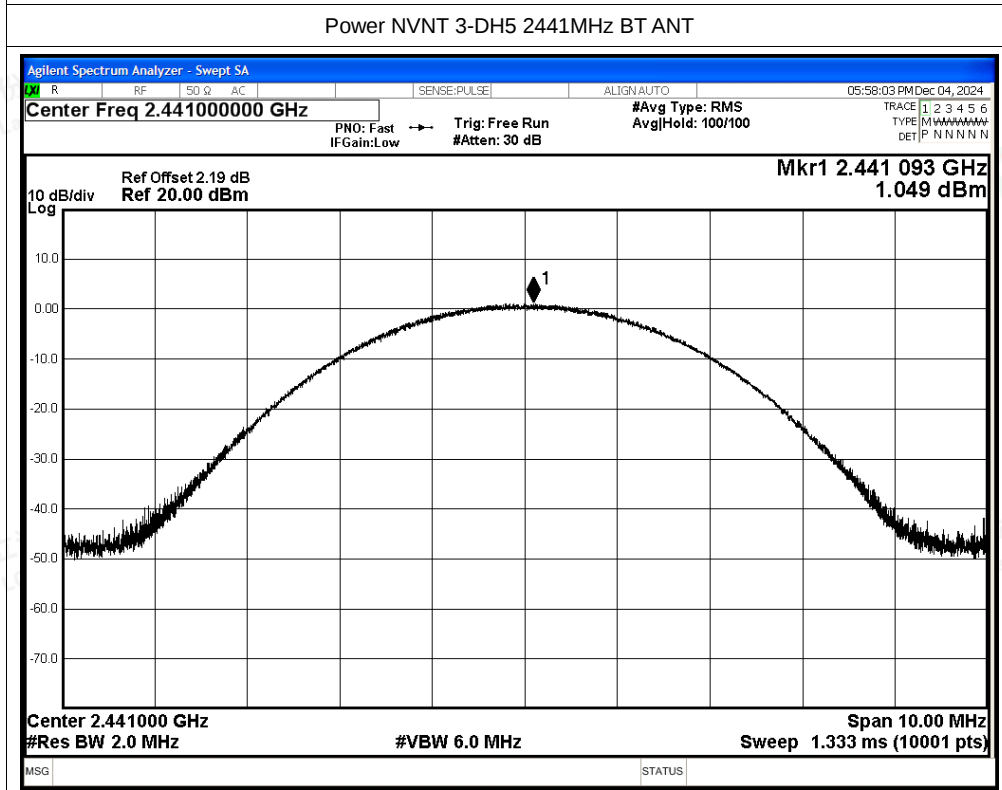
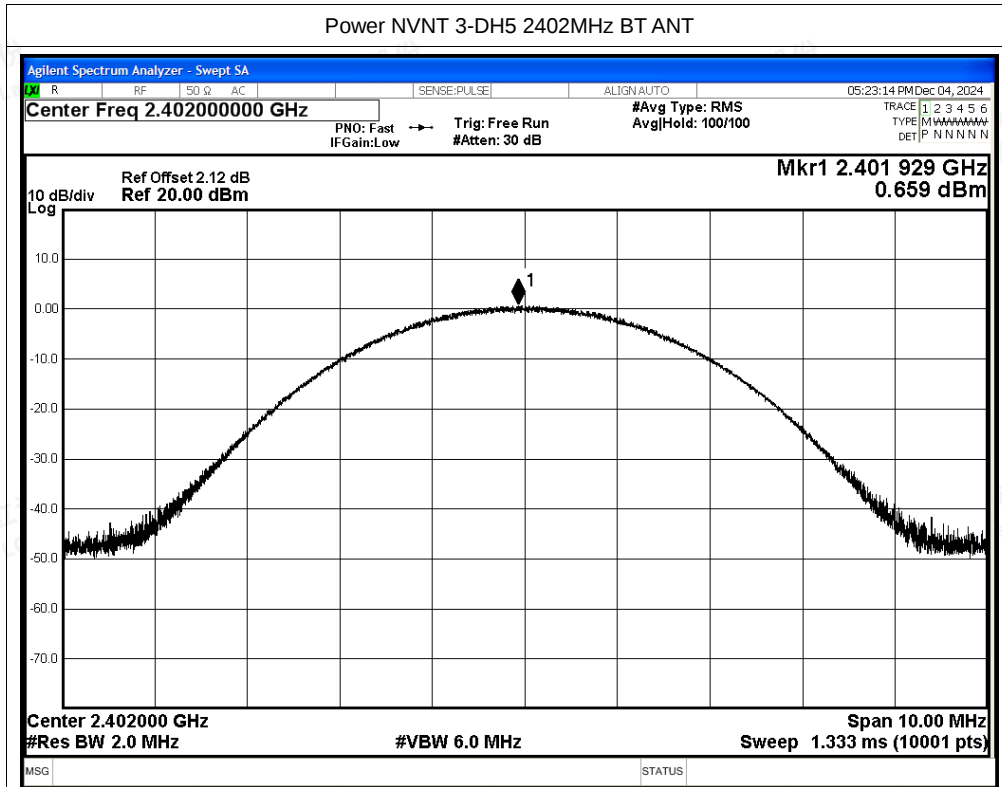


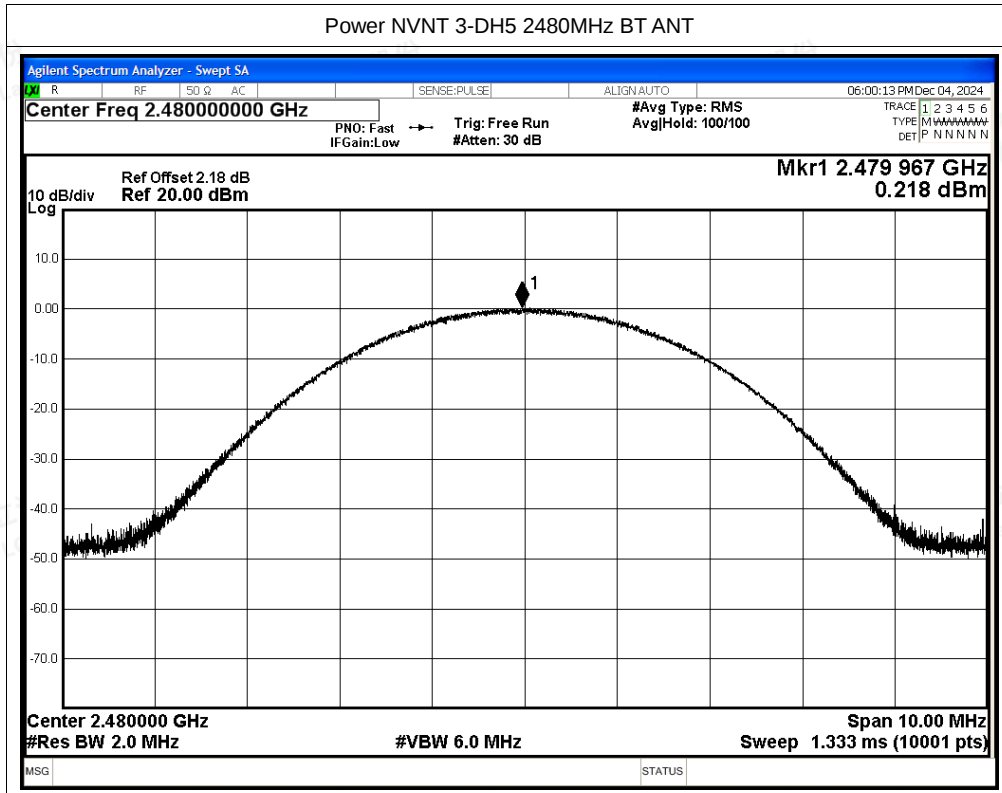
Power NVNT 1-DH5 2441MHz BT ANT













A.3 Carrier Frequencies Separation

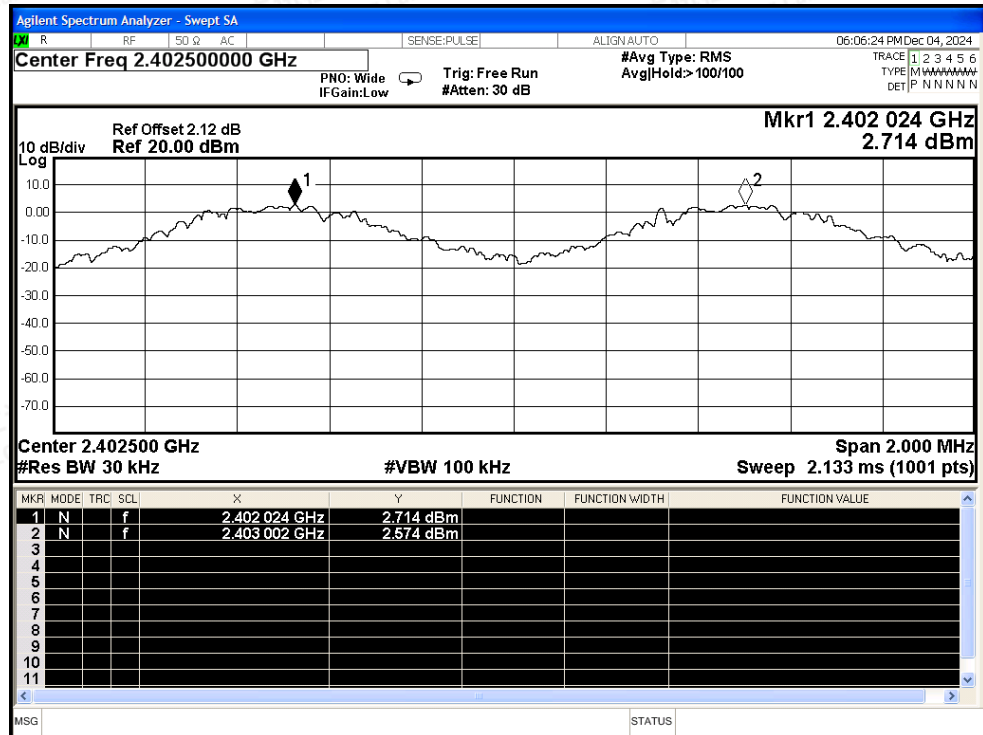
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	BT ANT	2402.024	2403.002	0.978	0.678	Pass
NVNT	2-DH5	BT ANT	2402.008	2403.028	1.02	0.871	Pass
NVNT	3-DH5	BT ANT	2402.03	2403.036	1.006	0.869	Pass



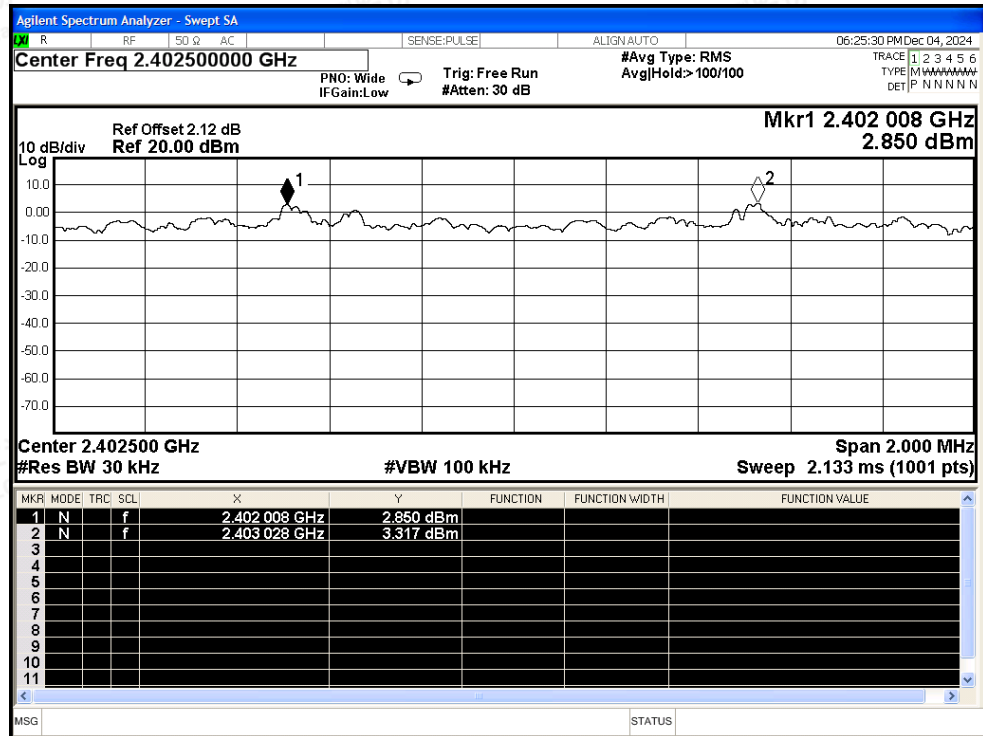


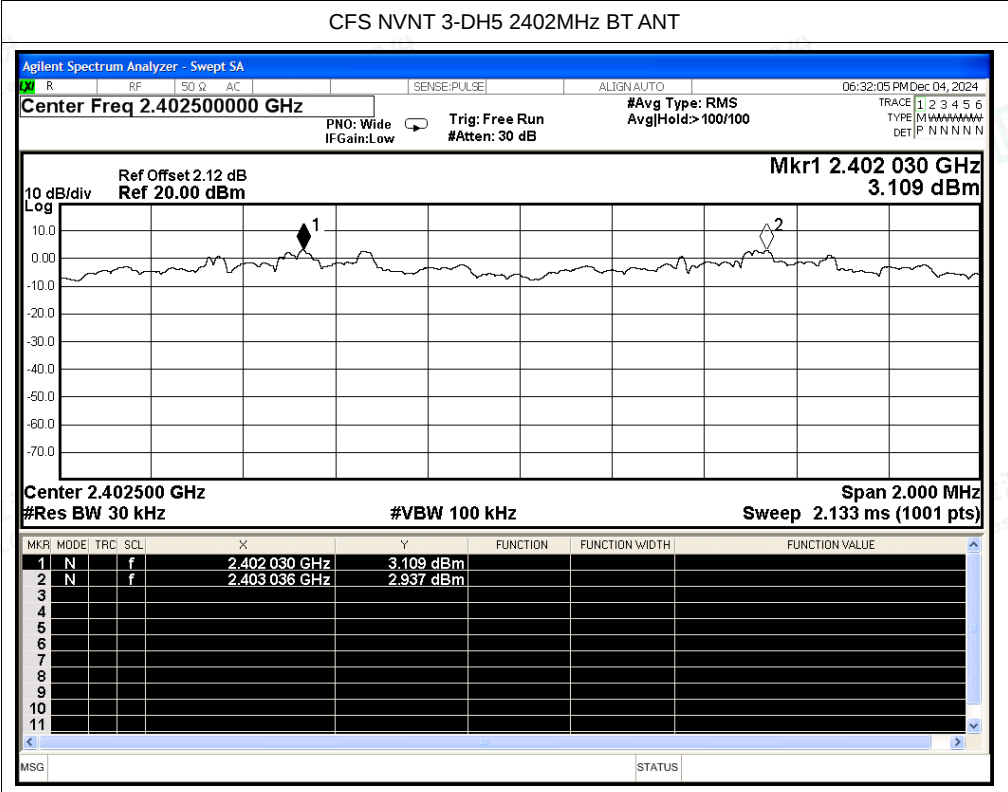
Test Graphs

CFS NVNT 1-DH5 2402MHz BT ANT



CFS NVNT 2-DH5 2402MHz BT ANT







A.4 Dwell Time

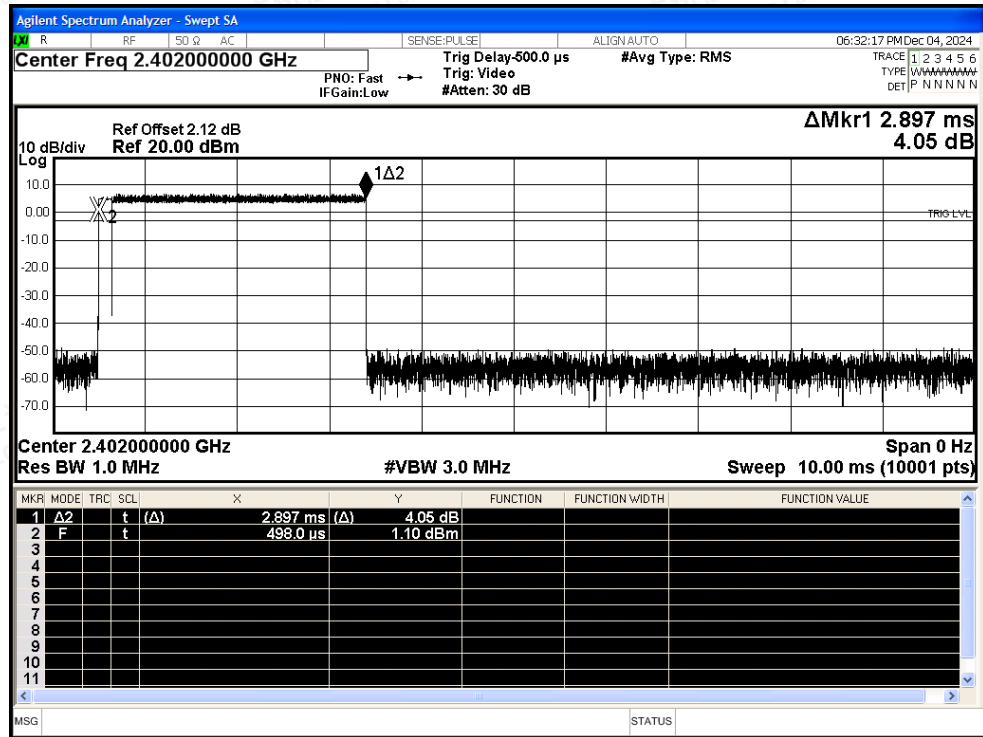
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	BT ANT	2.897	338.949	117	31600	400	Pass
NVNT	2-DH5	2402	BT ANT	2.898	310.086	107	31600	400	Pass
NVNT	3-DH5	2402	BT ANT	2.897	286.803	99	31600	400	Pass



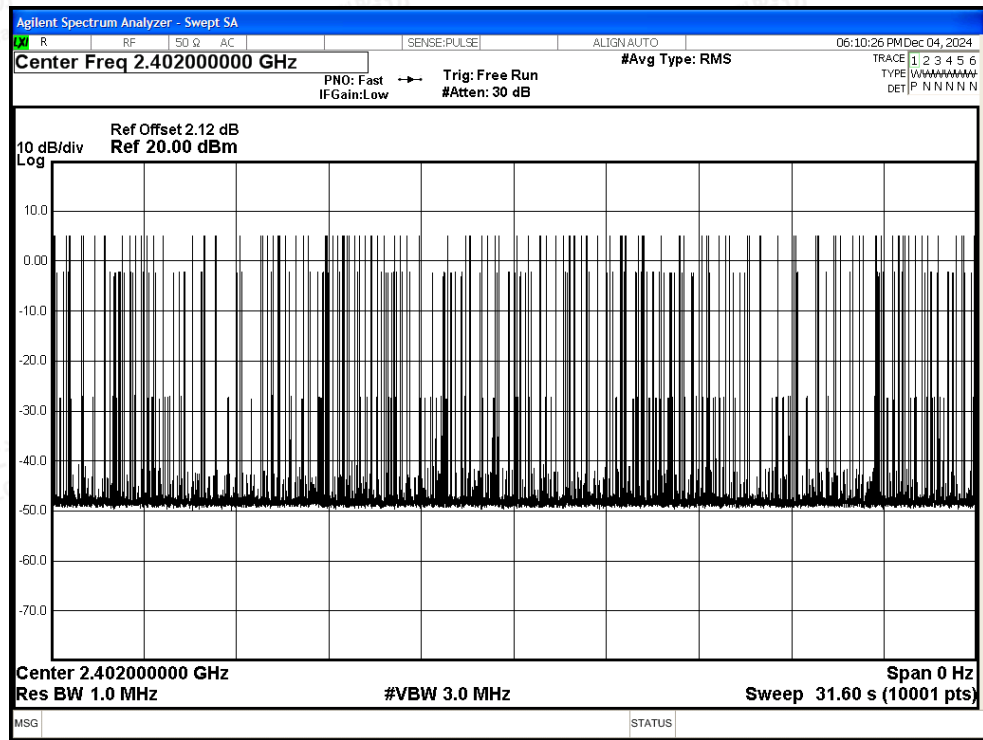


Test Graphs

Dwell NVNT 1-DH5 2402MHz BT ANT One Burst

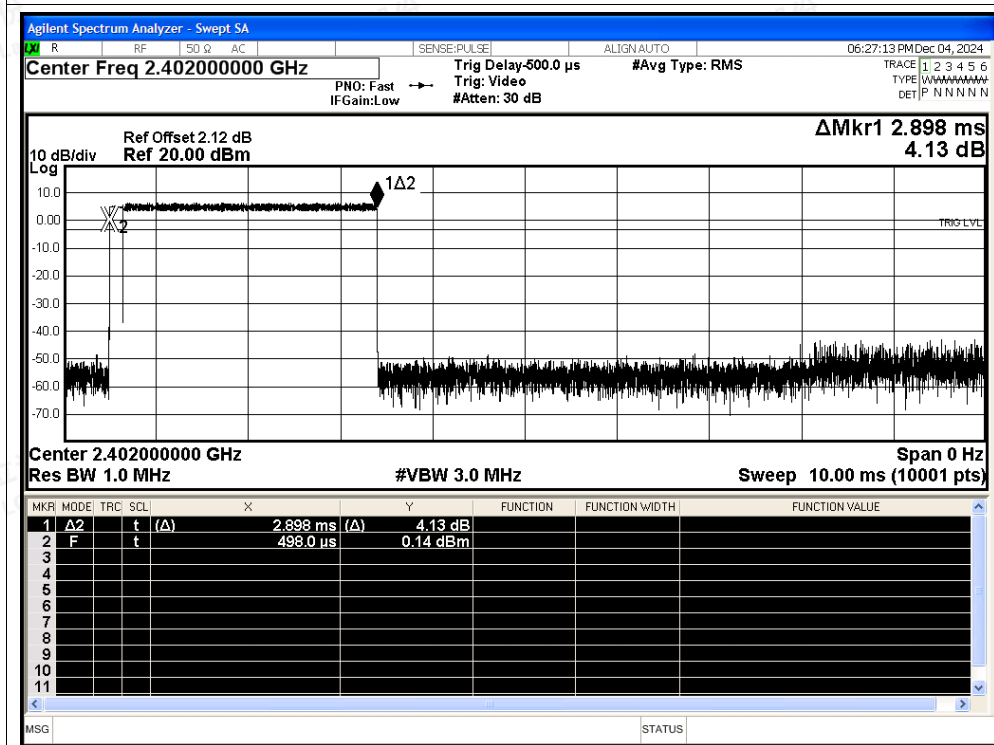


Dwell NVNT 1-DH5 2402MHz BT ANT Accumulated

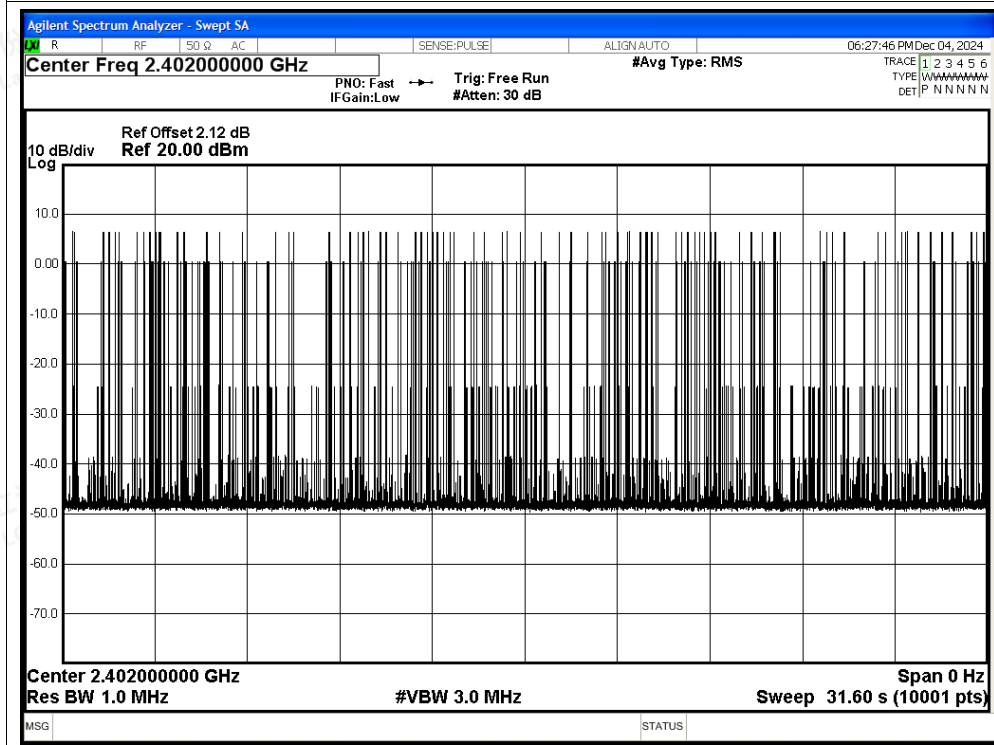




Dwell NVNT 2-DH5 2402MHz BT ANT One Burst

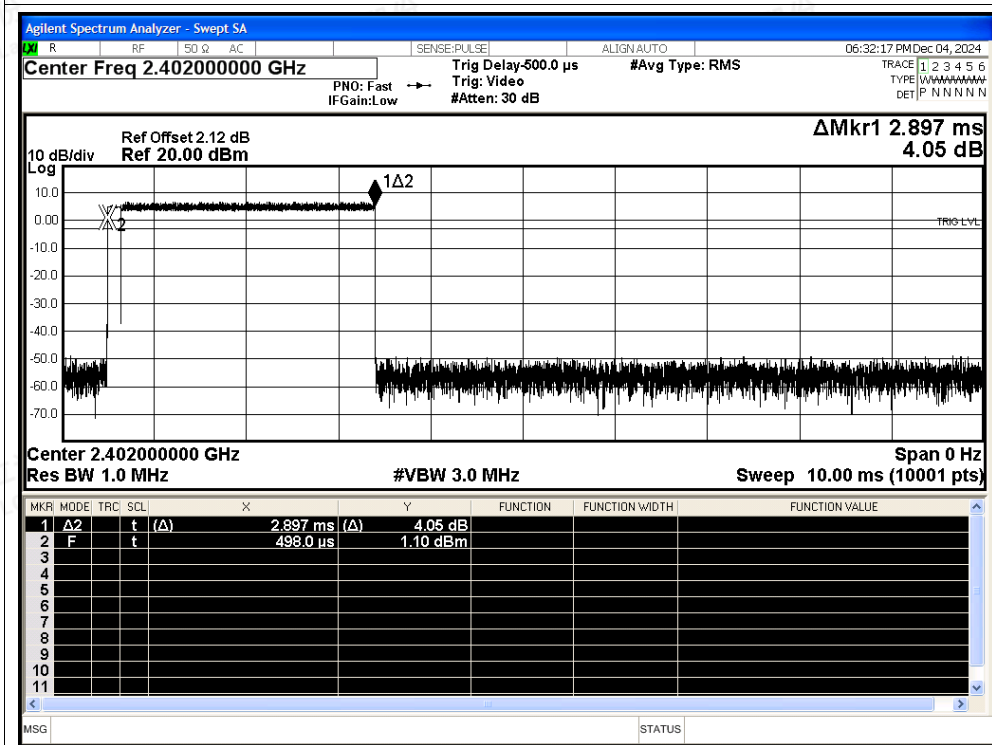


Dwell NVNT 2-DH5 2402MHz BT ANT Accumulated

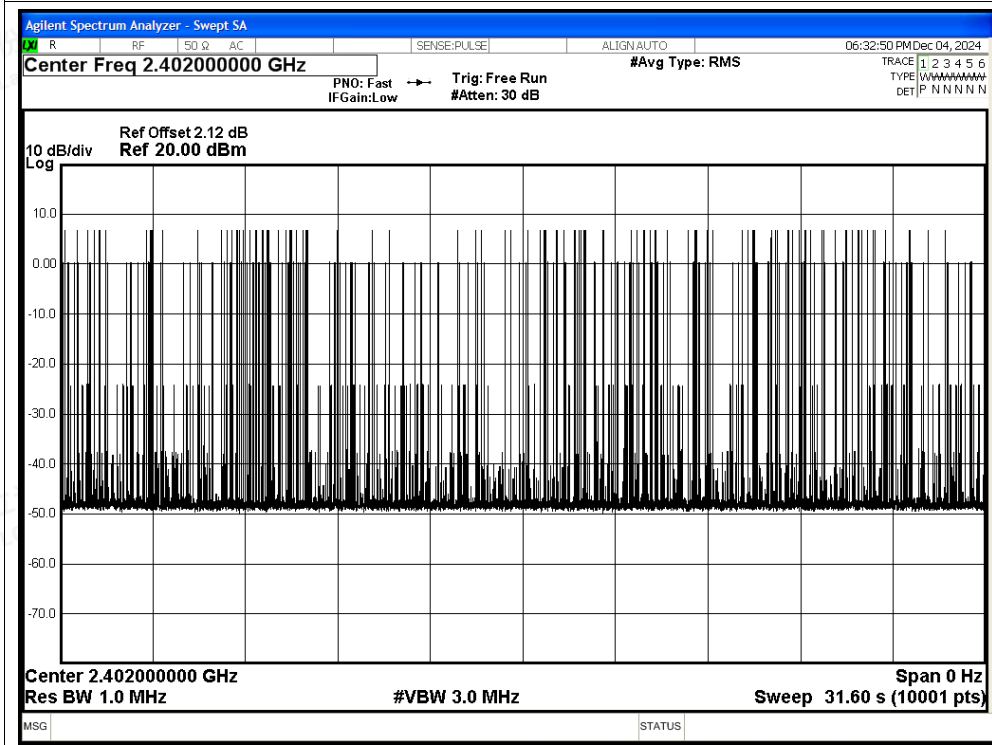




Dwell NVNT 3-DH5 2402MHz BT ANT One Burst



Dwell NVNT 3-DH5 2402MHz BT ANT Accumulated





A.5 Number of Hopping Channel

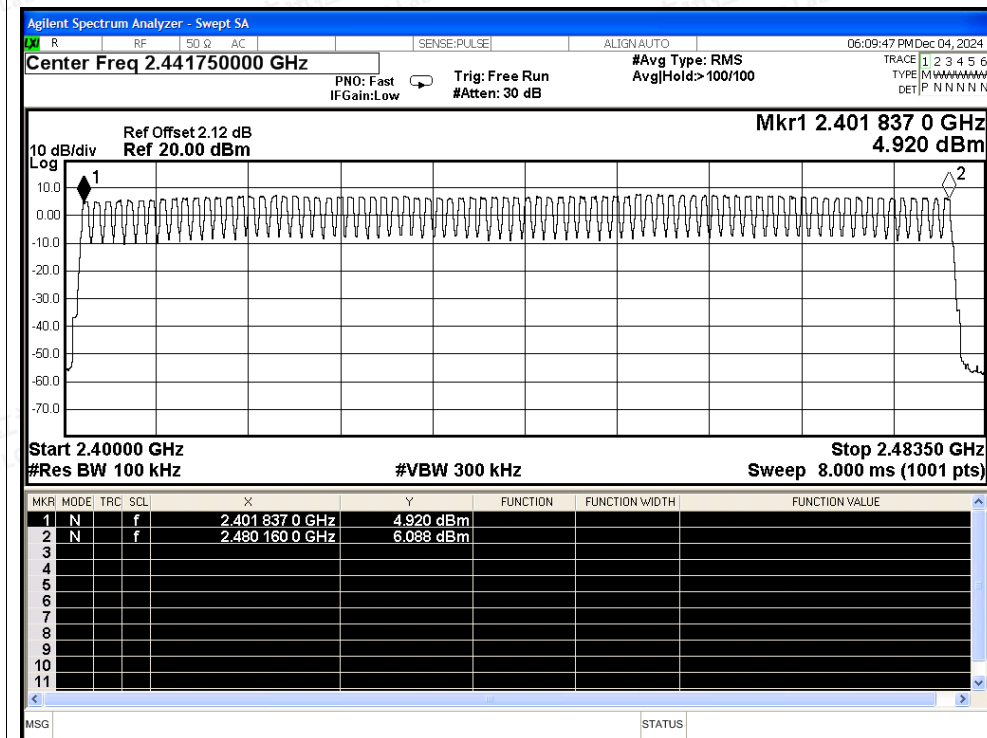
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	BT ANT	79	15	Pass
NVNT	2-DH5	BT ANT	79	15	Pass
NVNT	3-DH5	BT ANT	79	15	Pass



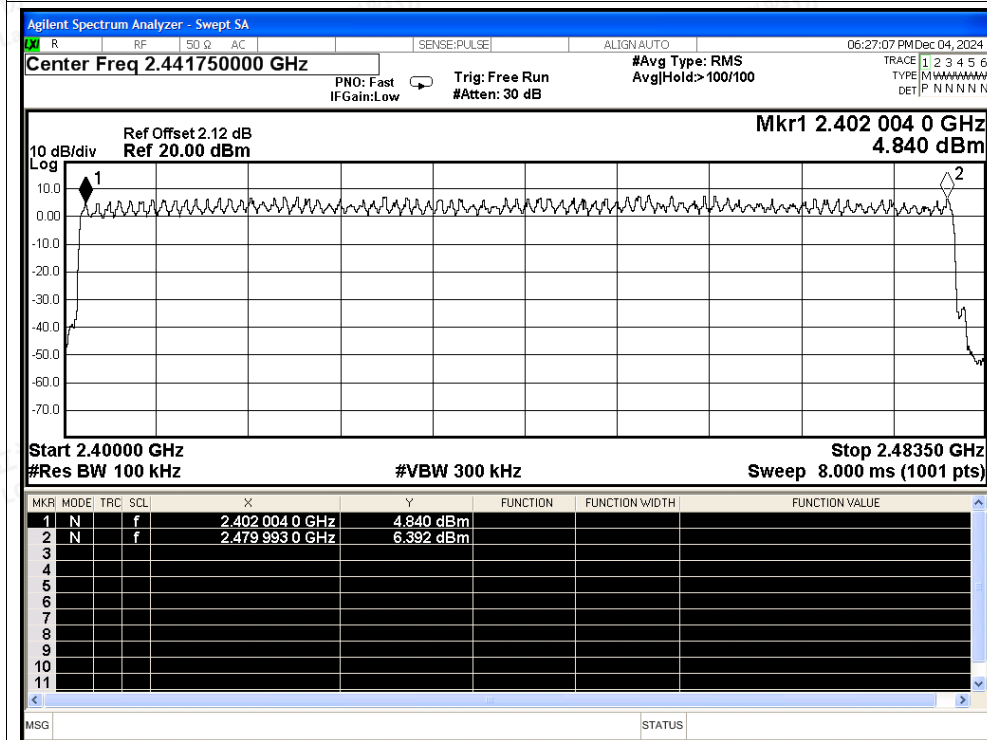


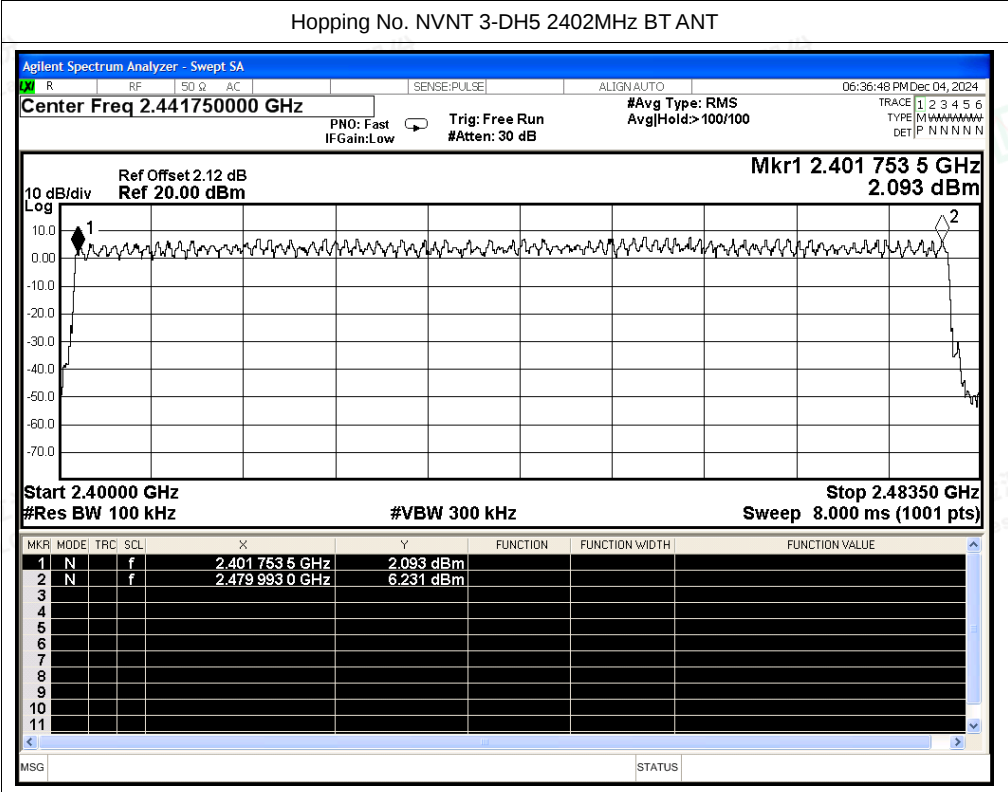
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz BT ANT



Hopping No. NVNT 2-DH5 2402MHz BT ANT







A.6 Band Edge

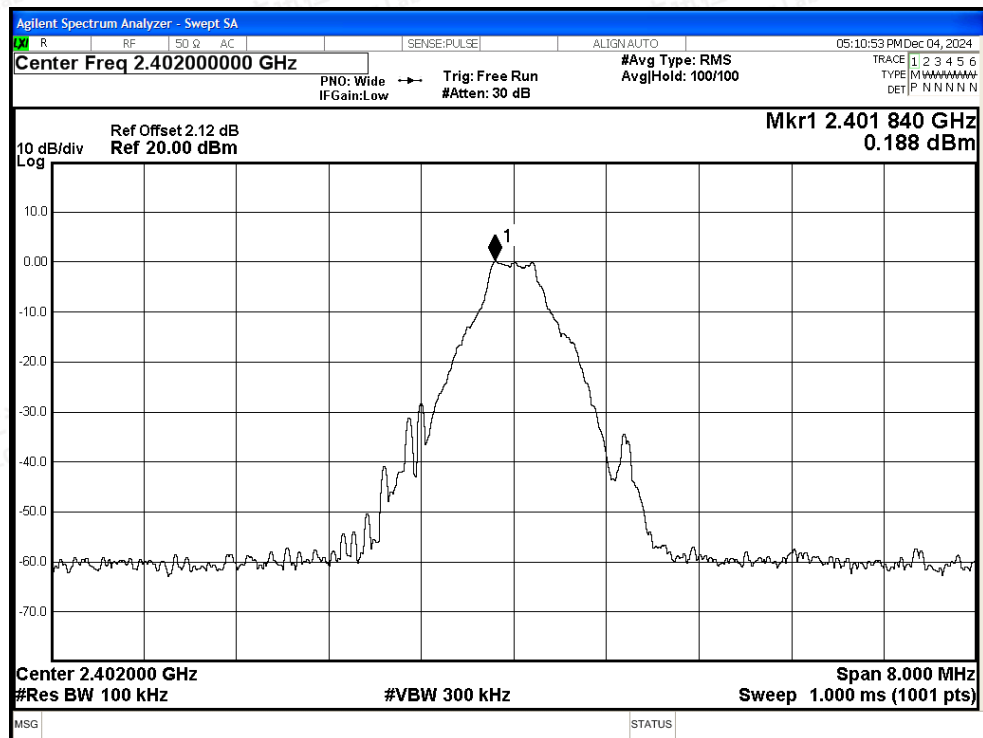
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	BT ANT	No-Hopping	-57.25	-20	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	-57.56	-20	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	-51.59	-20	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	-54.11	-20	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	-52.16	-20	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	-53.38	-20	Pass



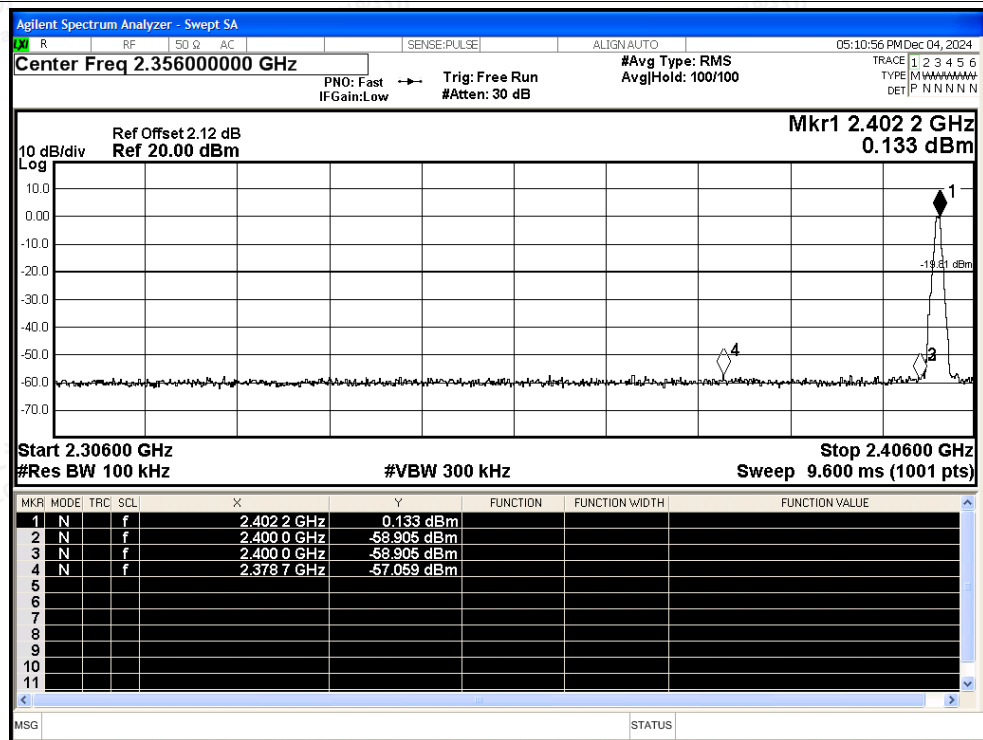


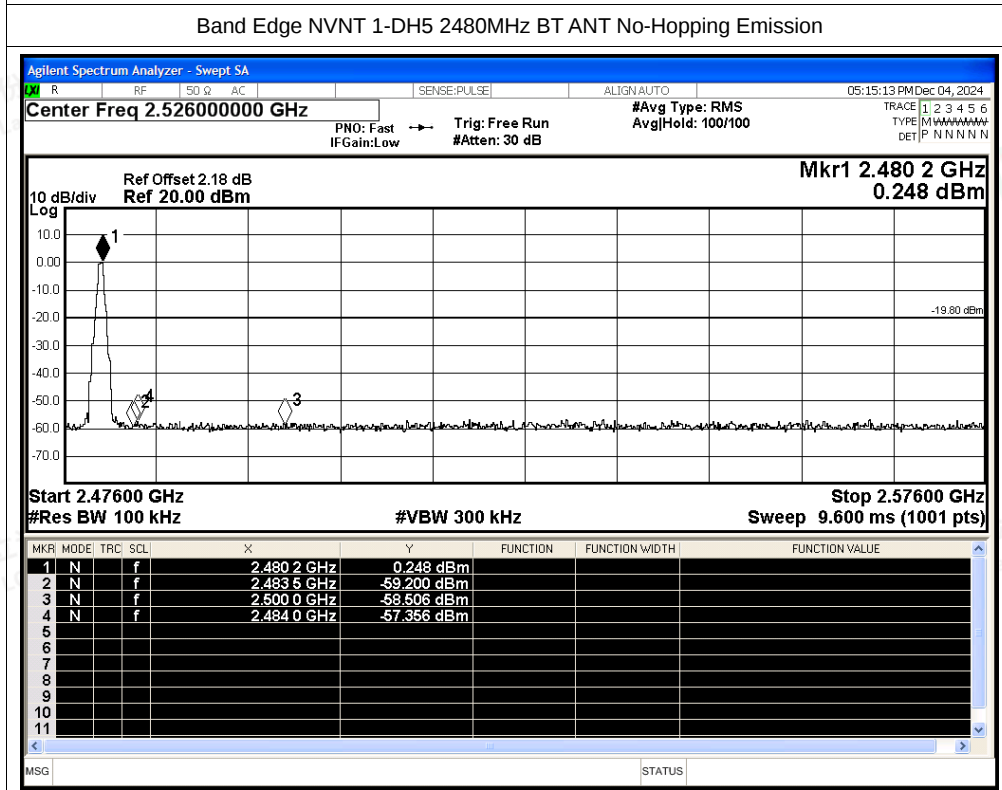
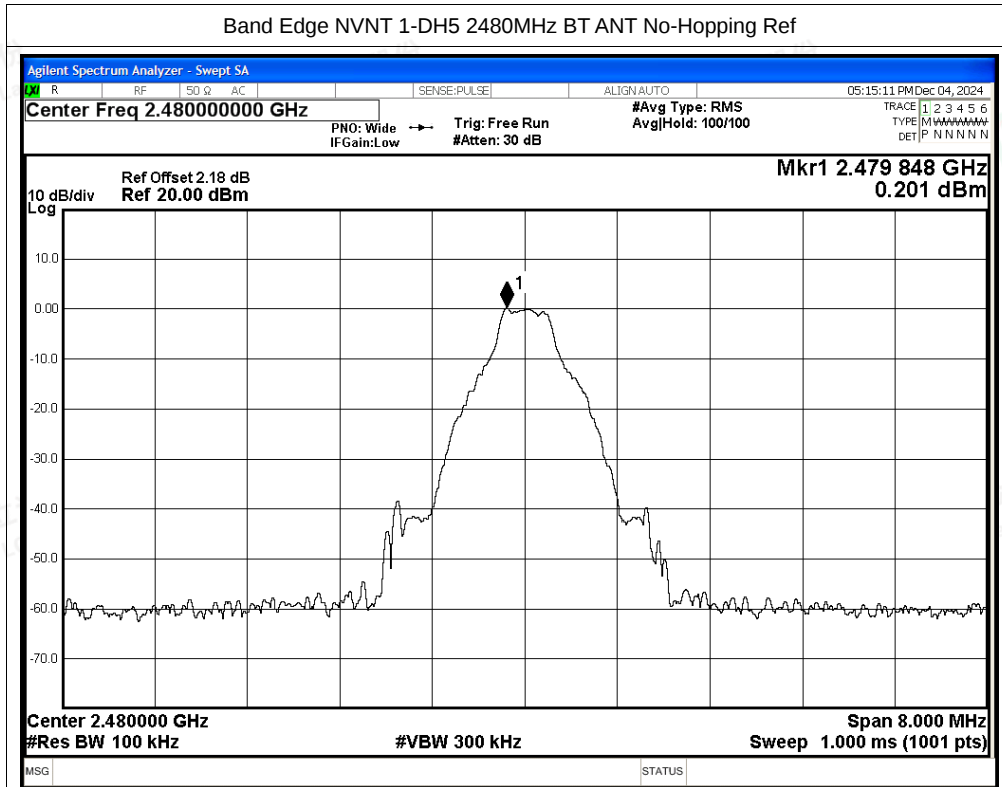
Test Graphs

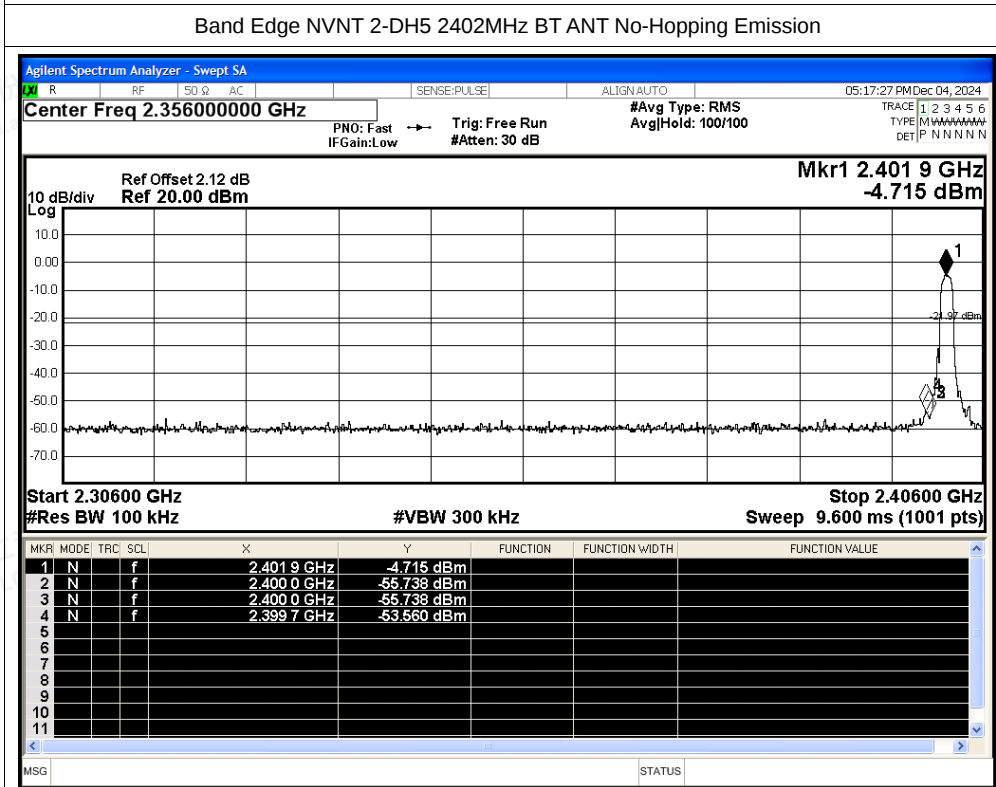
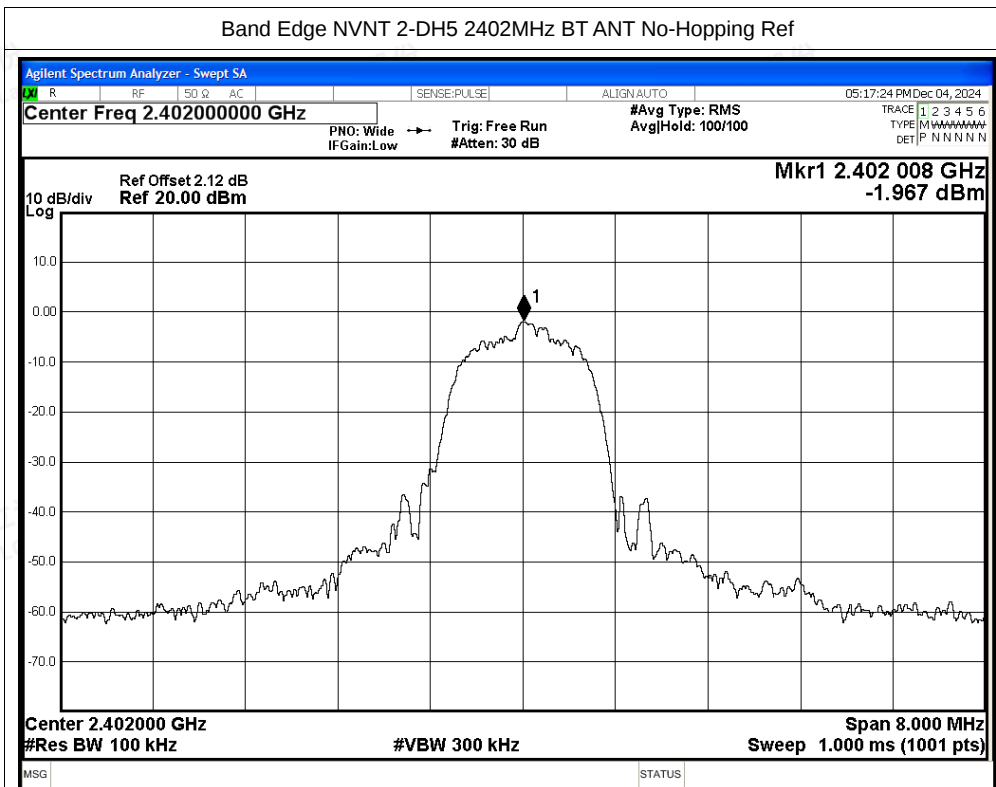
Band Edge NVNT 1-DH5 2402MHz BT ANT No-Hopping Ref

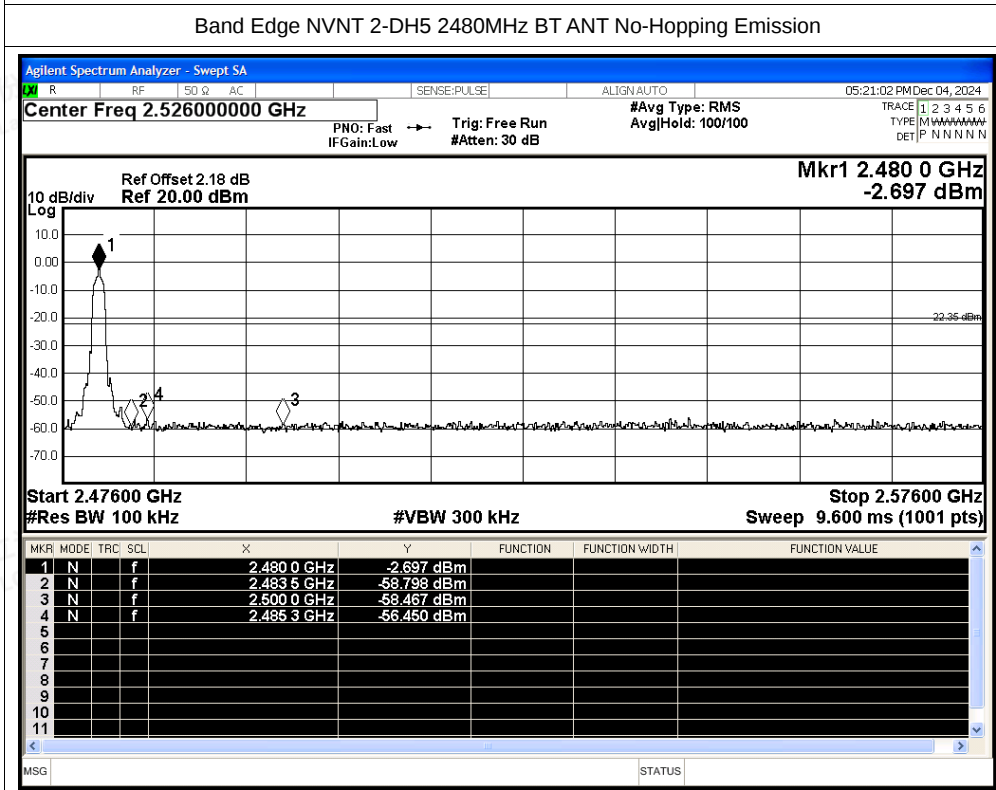
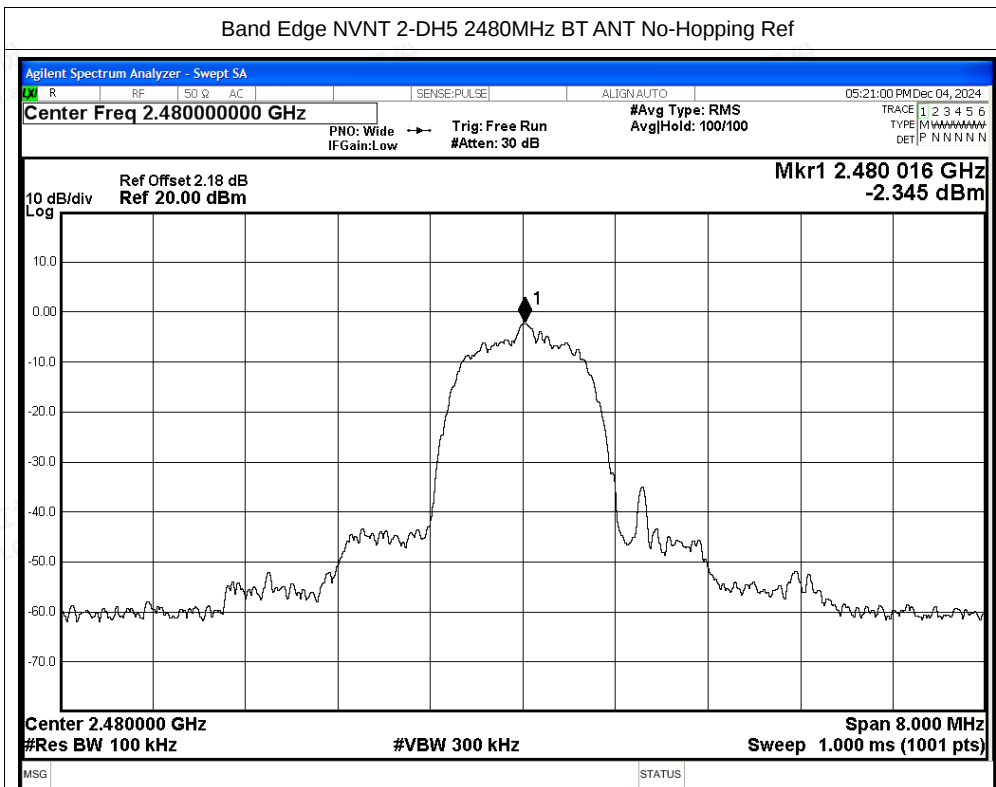


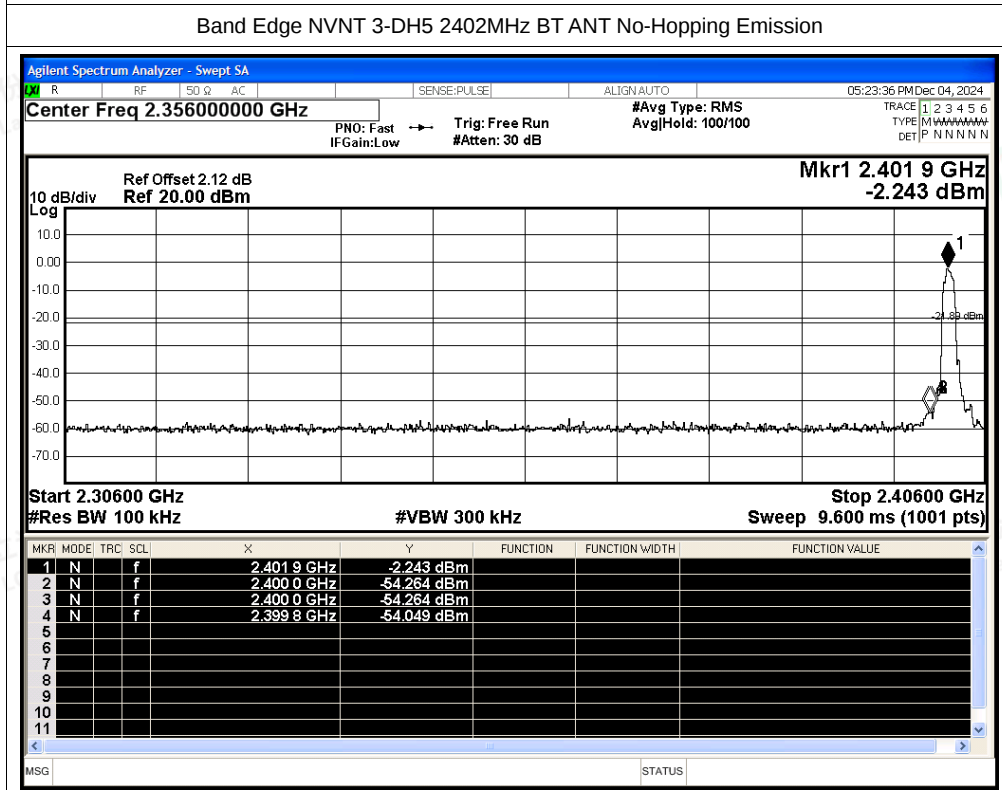
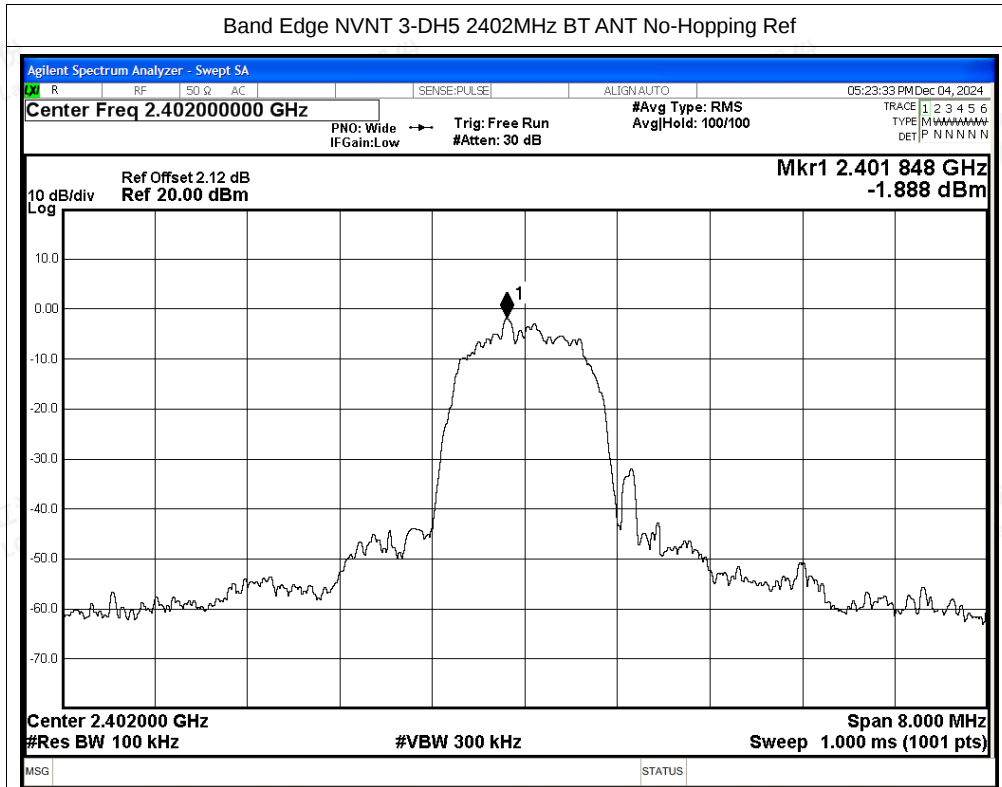
Band Edge NVNT 1-DH5 2402MHz BT ANT No-Hopping Emission

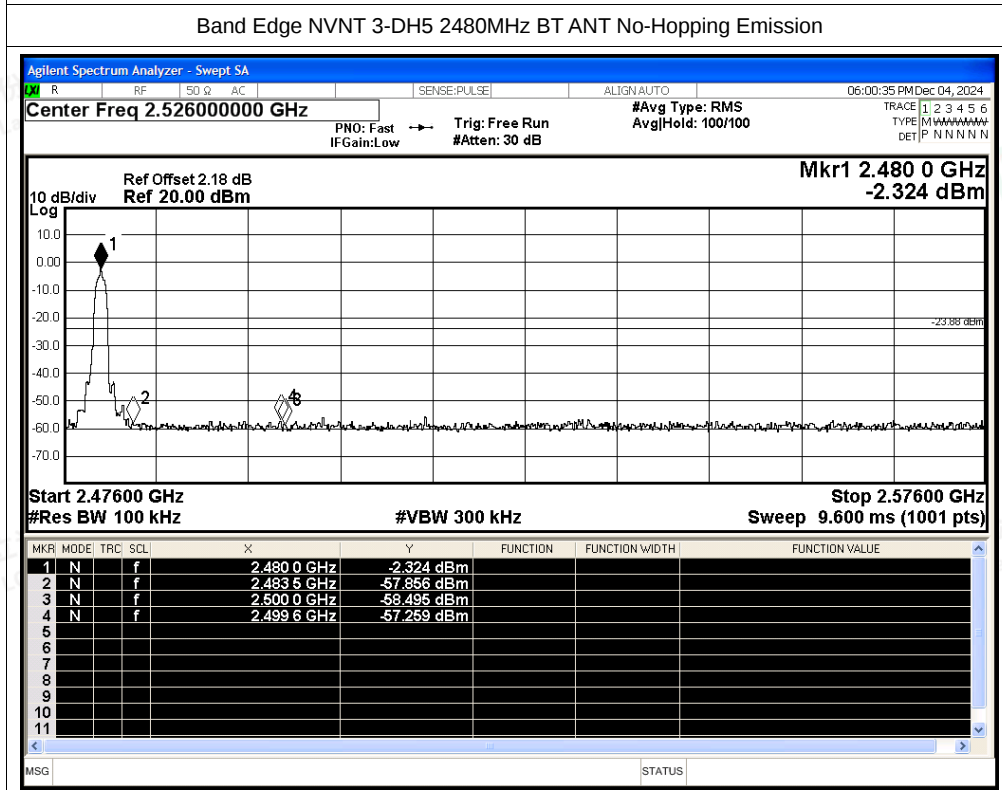
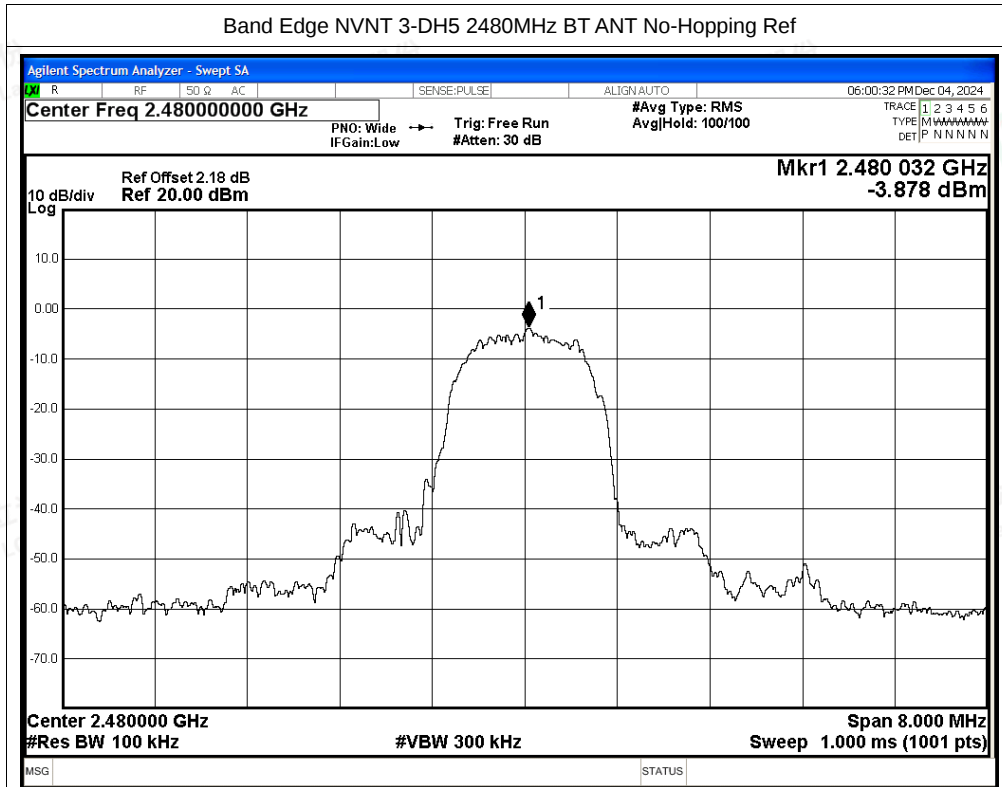














(Hopping)

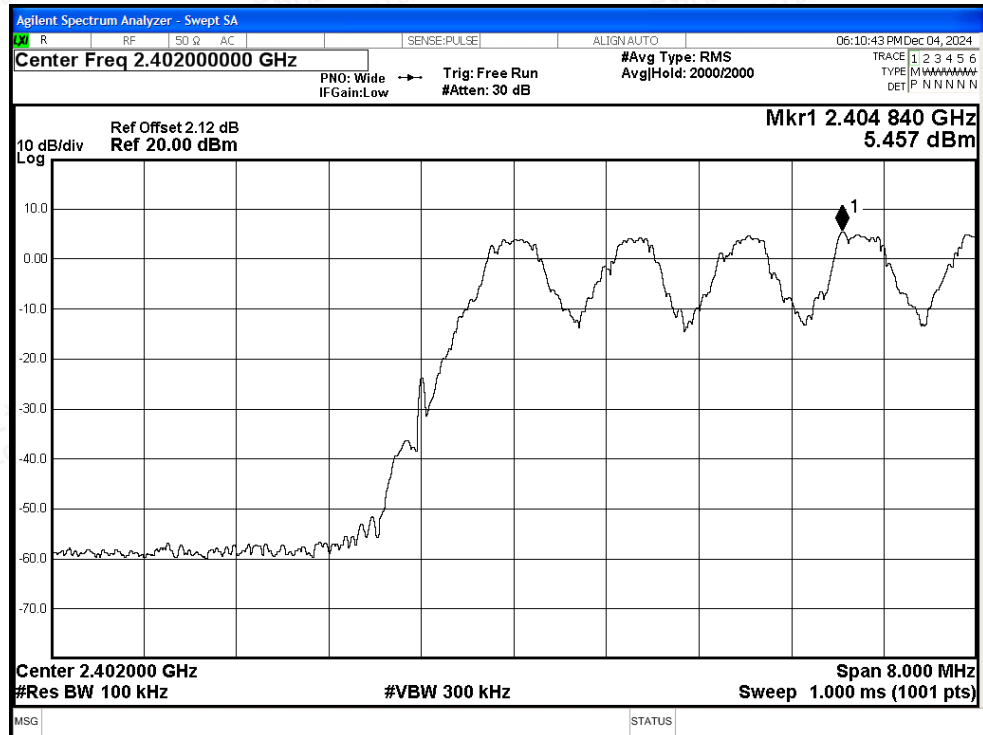
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	BT ANT	Hopping	-61.27	-20	Pass
NVNT	1-DH5	2480	BT ANT	Hopping	-61.88	-20	Pass
NVNT	2-DH5	2402	BT ANT	Hopping	-61.01	-20	Pass
NVNT	2-DH5	2480	BT ANT	Hopping	-61.83	-20	Pass
NVNT	3-DH5	2402	BT ANT	Hopping	-59.16	-20	Pass
NVNT	3-DH5	2480	BT ANT	Hopping	-56.73	-20	Pass



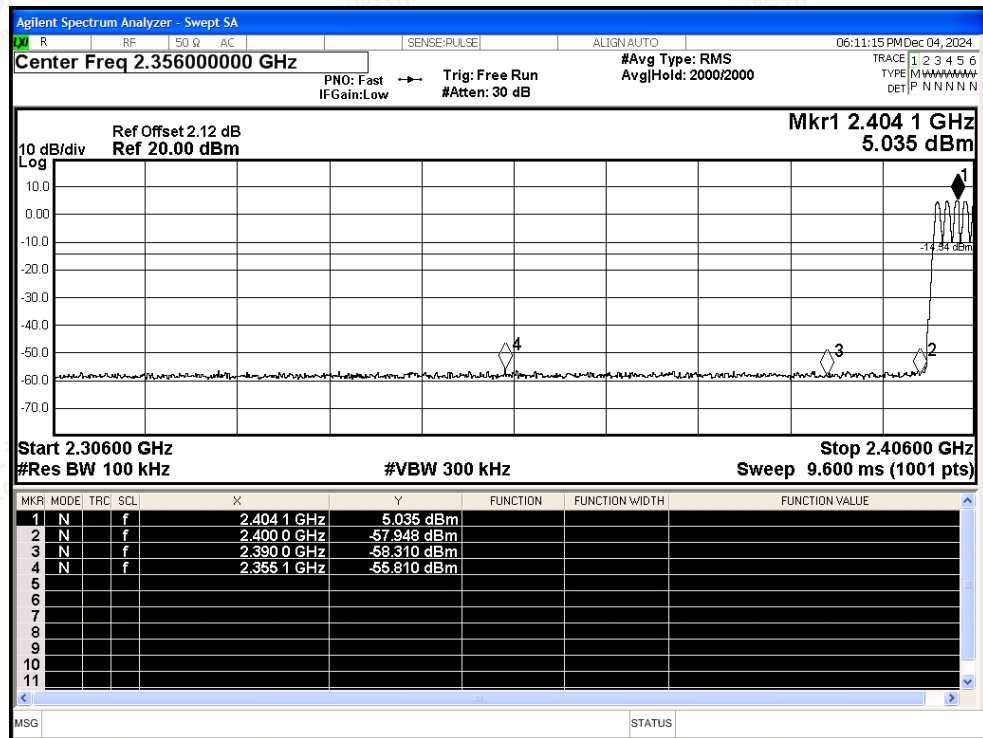


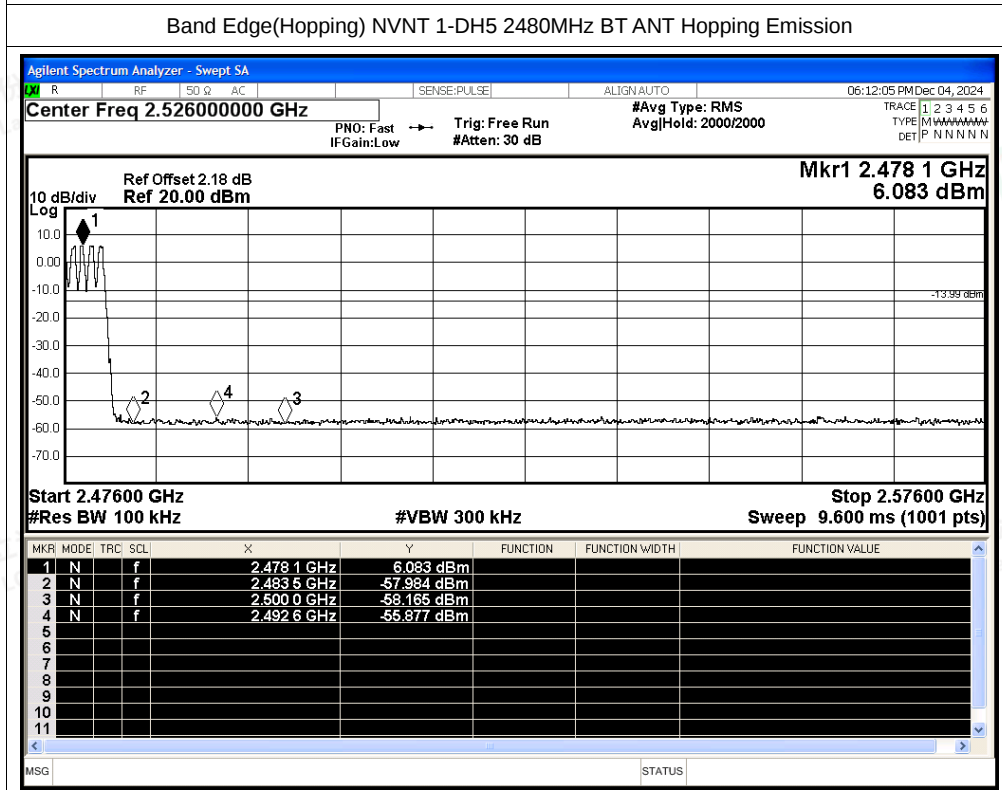
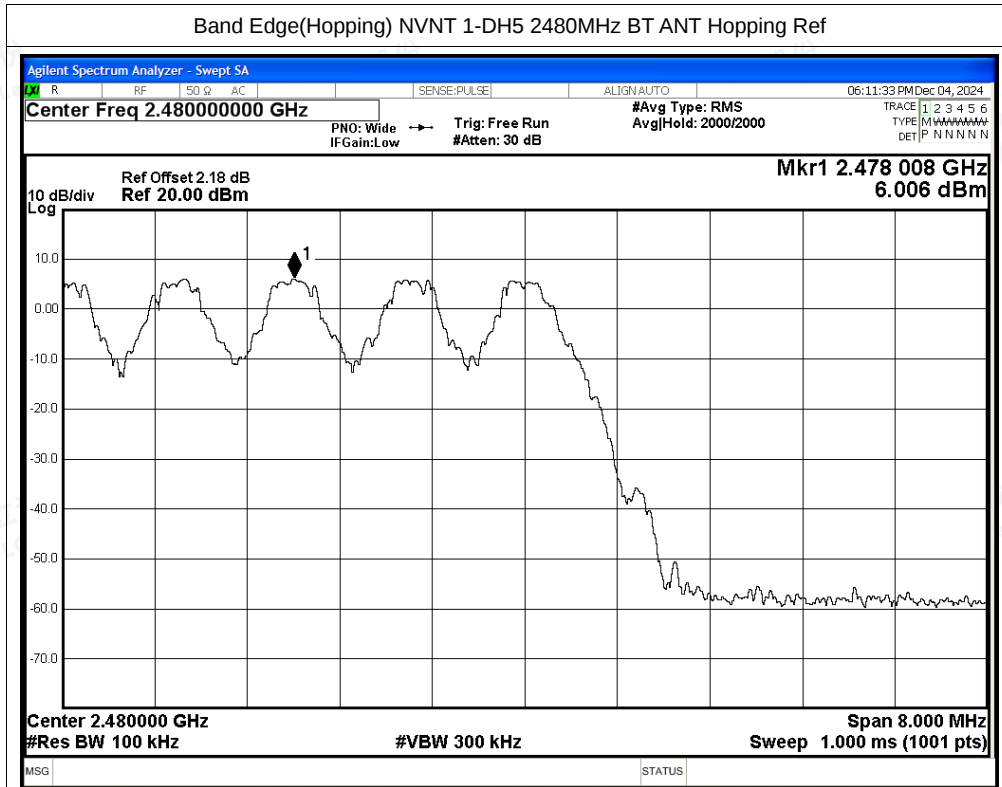
Test Graphs

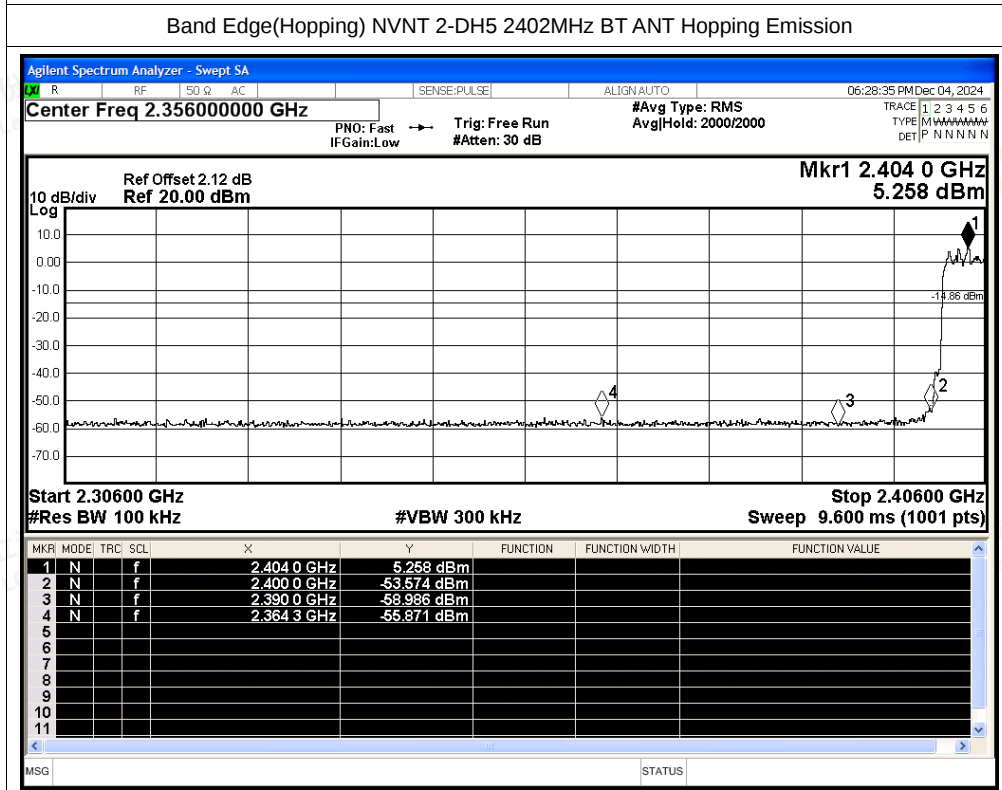
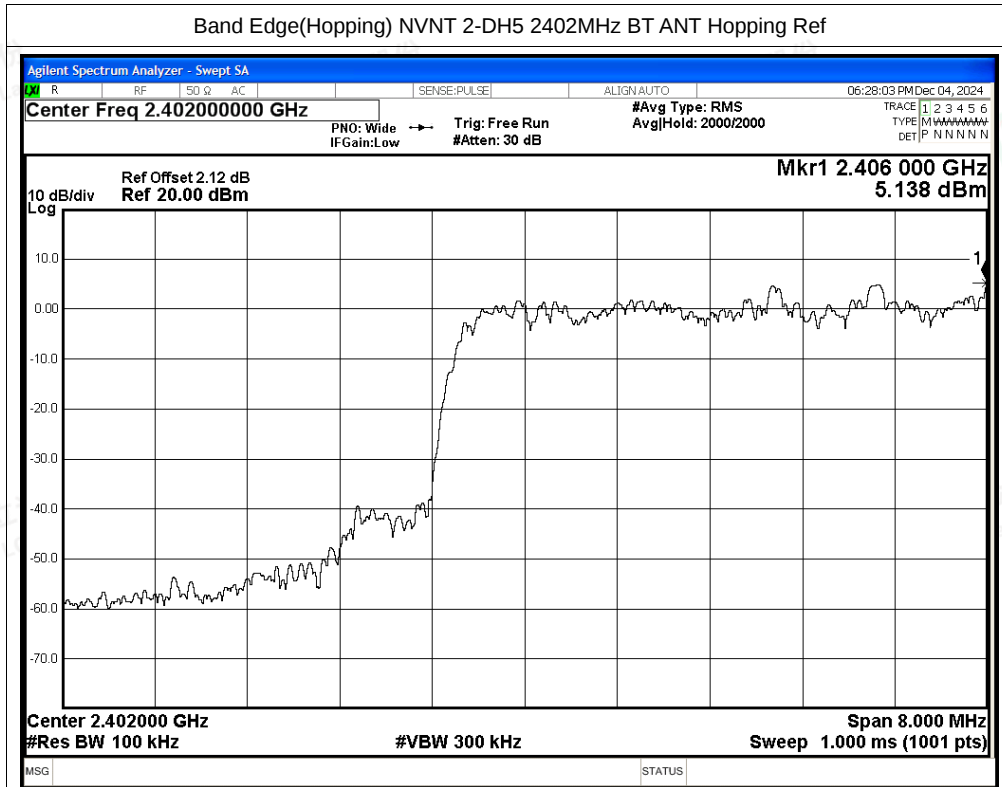
Band Edge(Hopping) NVNT 1-DH5 2402MHz BT ANT Hopping Ref

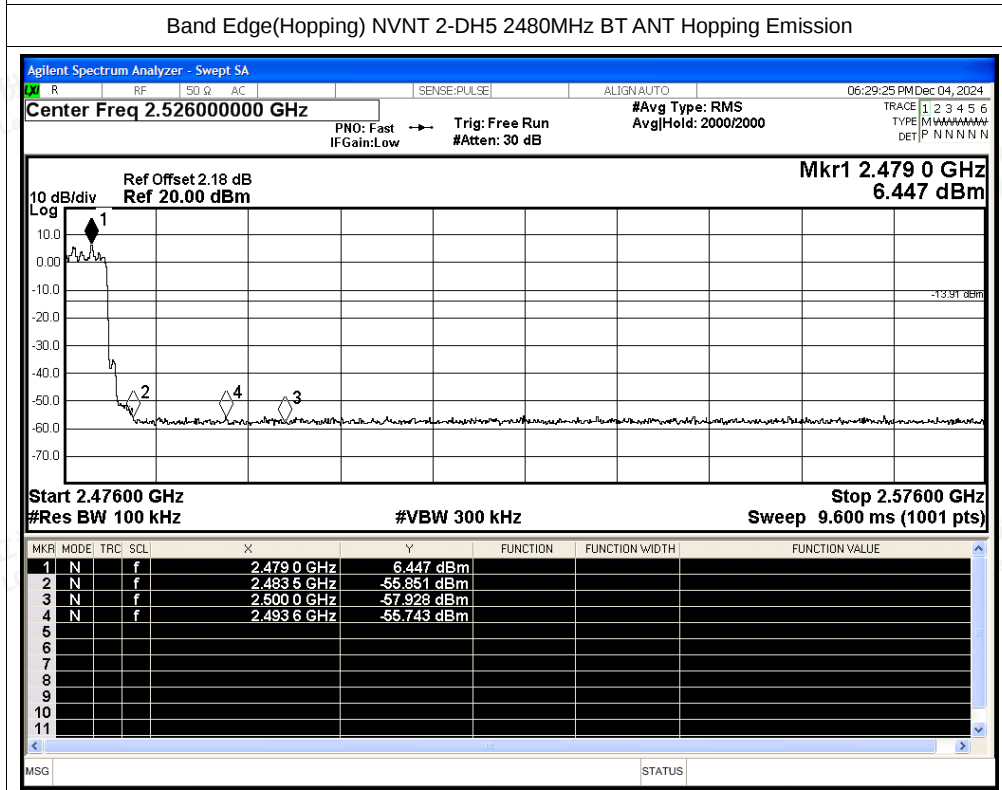
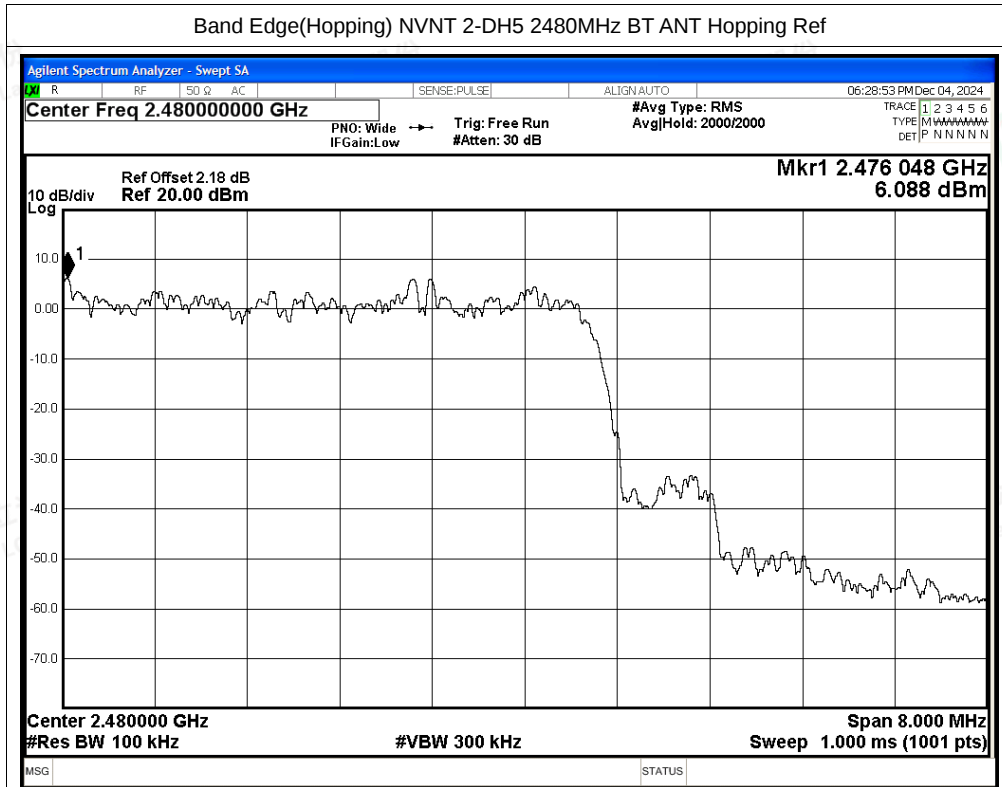


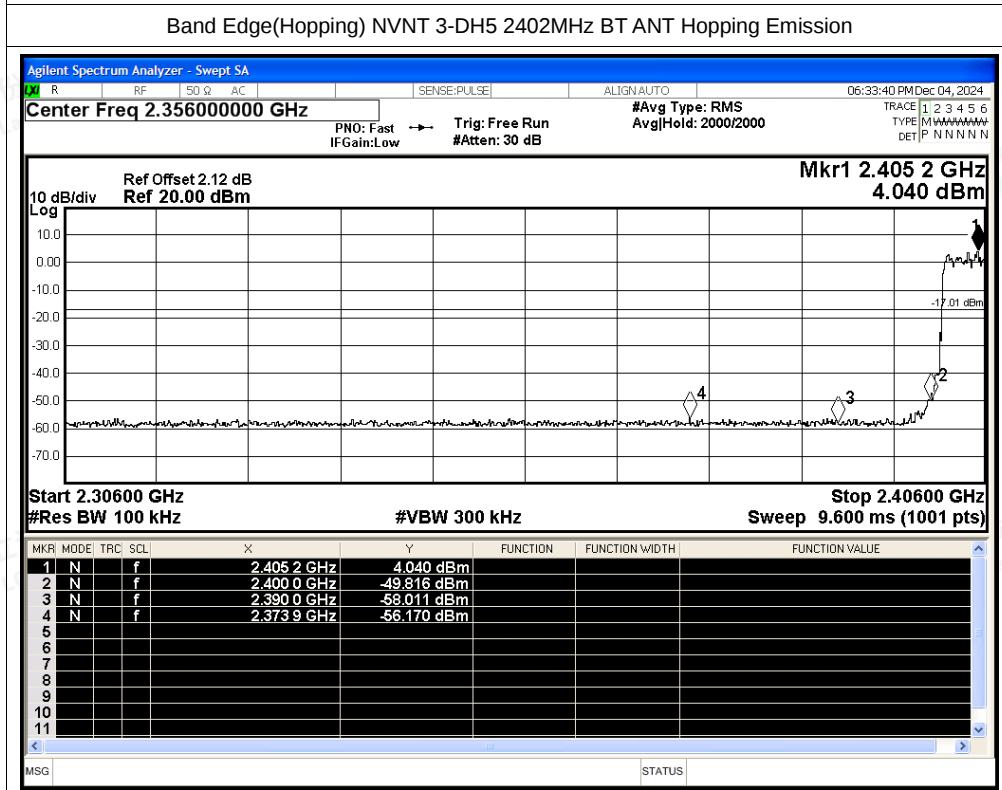
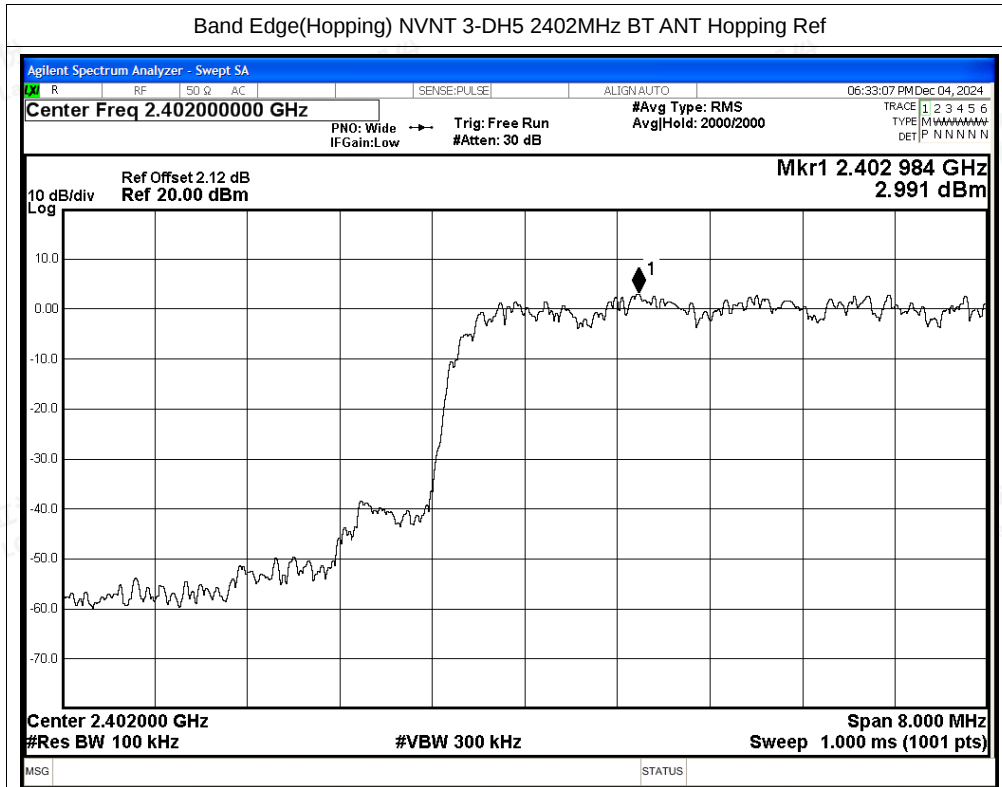
Band Edge(Hopping) NVNT 1-DH5 2402MHz BT ANT Hopping Emission

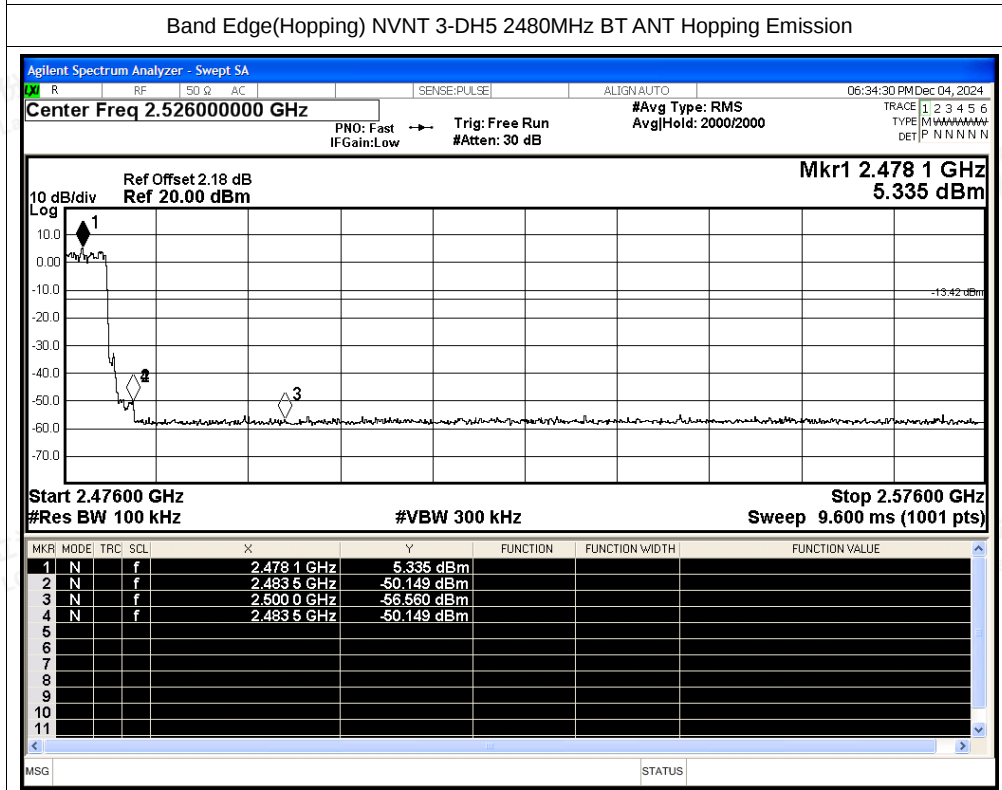
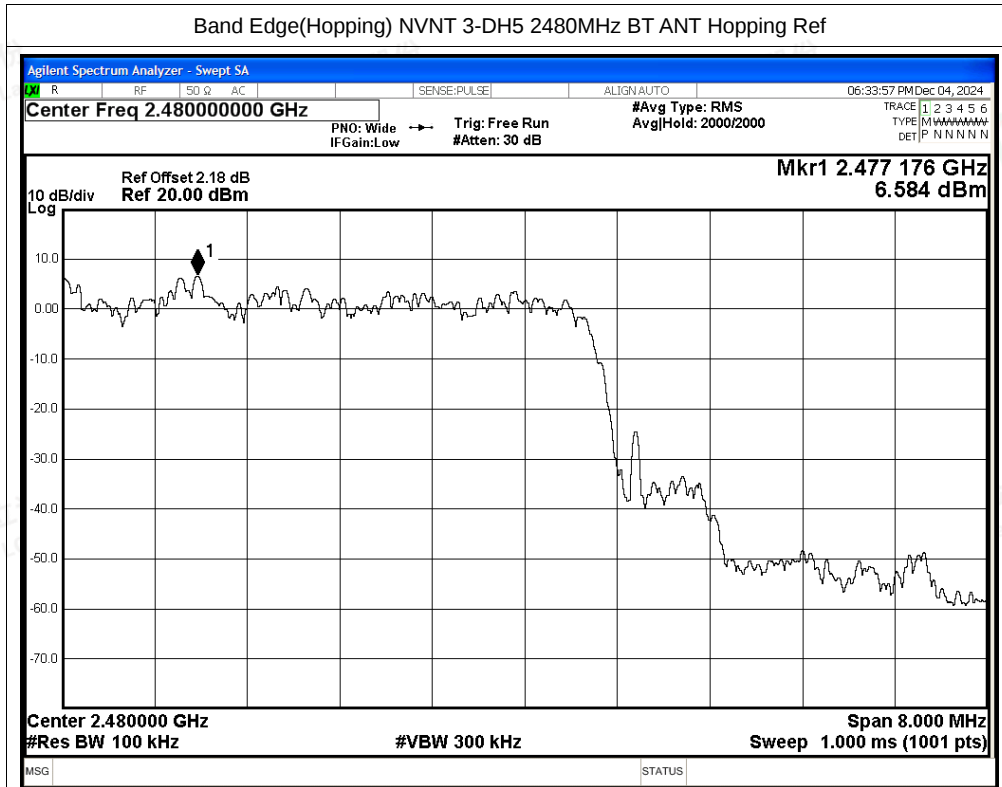














A.7 Conducted RF Spurious Emission

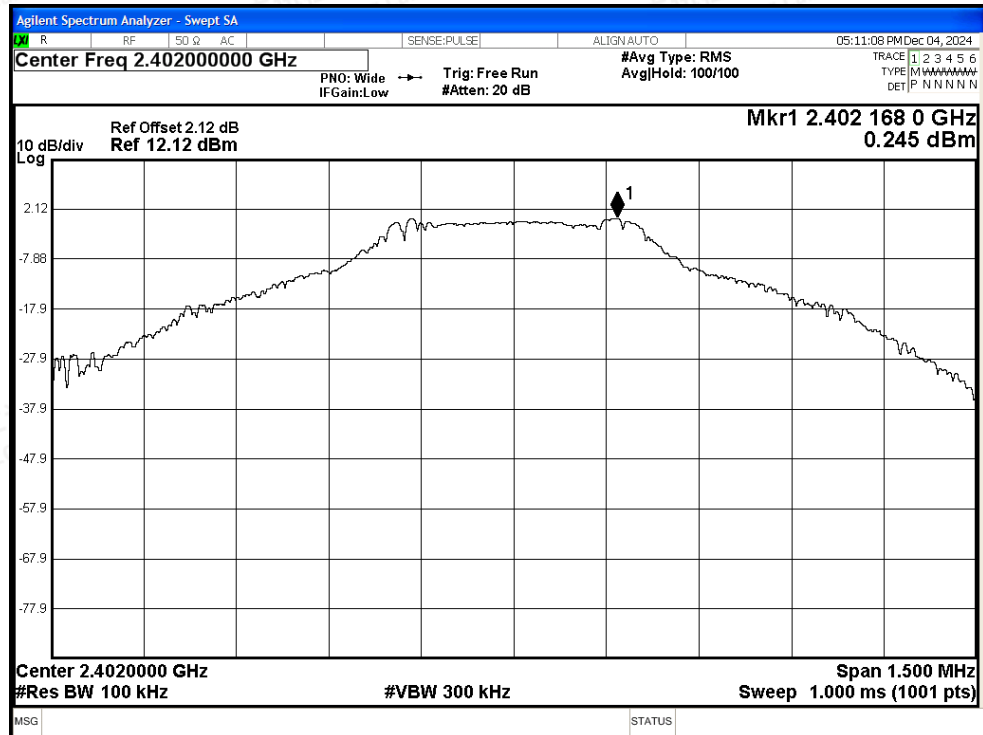
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	BT ANT	-56.12	-20	Pass
NVNT	1-DH5	2441	BT ANT	-54.7	-20	Pass
NVNT	1-DH5	2480	BT ANT	-55.15	-20	Pass
NVNT	2-DH5	2402	BT ANT	-52.44	-20	Pass
NVNT	2-DH5	2441	BT ANT	-53.24	-20	Pass
NVNT	2-DH5	2480	BT ANT	-52.51	-20	Pass
NVNT	3-DH5	2402	BT ANT	-53.39	-20	Pass
NVNT	3-DH5	2441	BT ANT	-54.26	-20	Pass
NVNT	3-DH5	2480	BT ANT	-53.01	-20	Pass



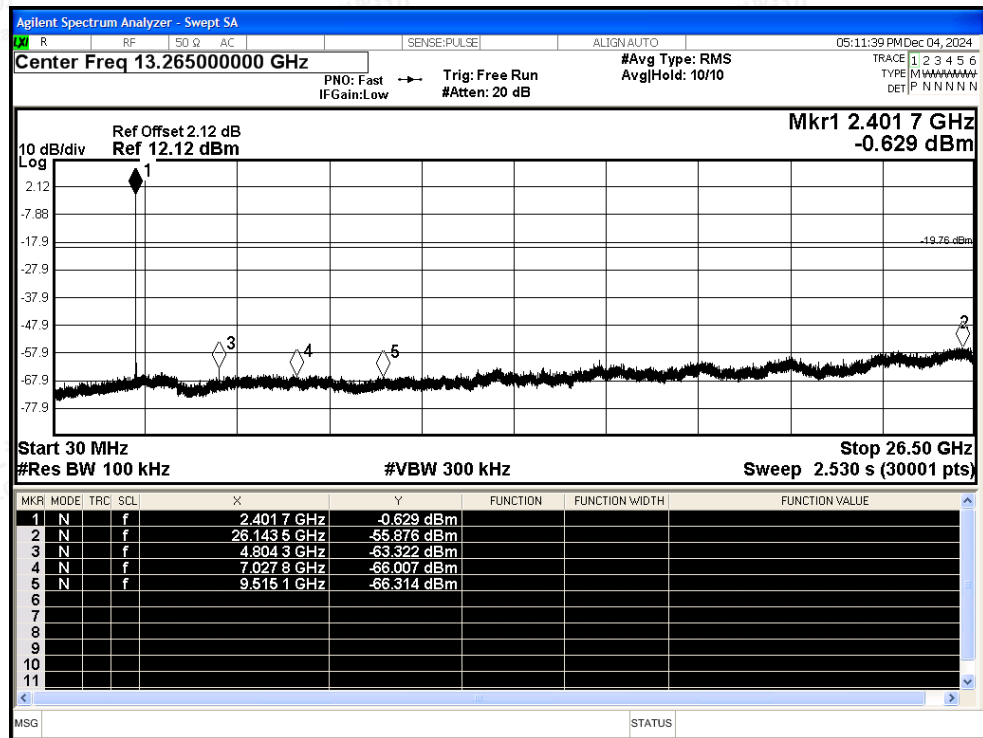


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz BT ANT Ref

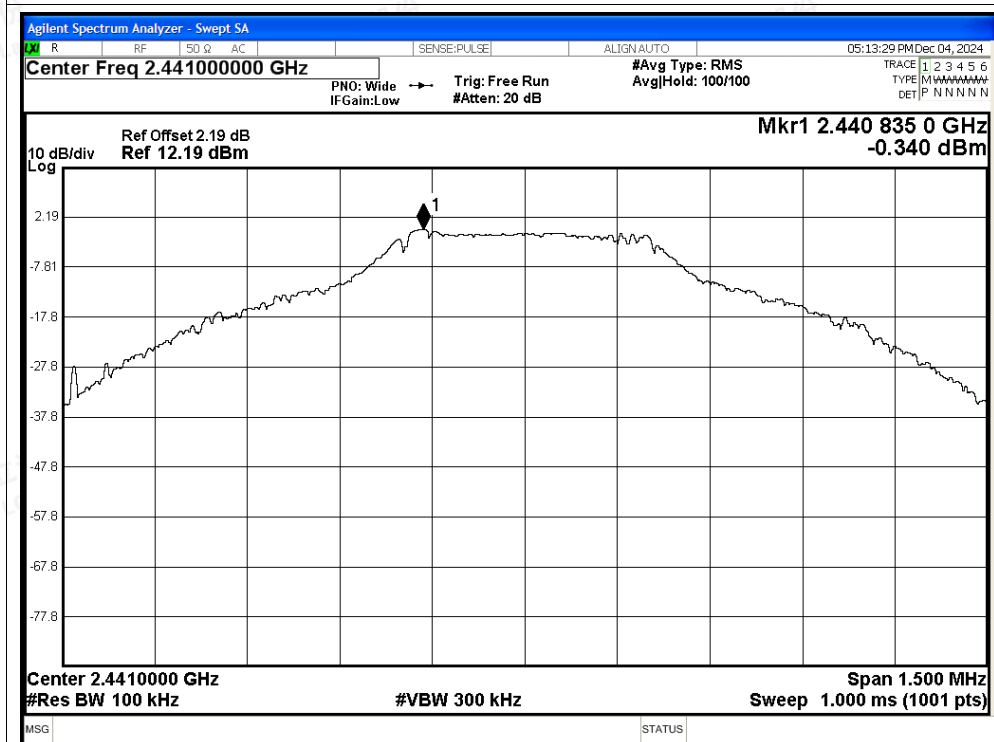


Tx. Spurious NVNT 1-DH5 2402MHz BT ANT Emission

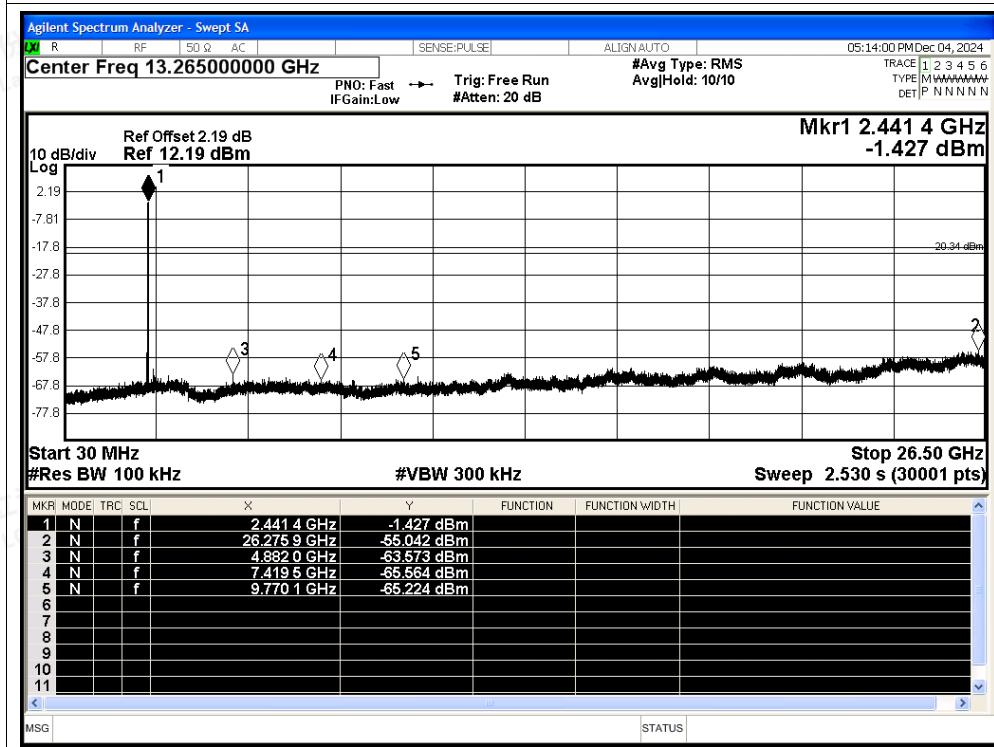




Tx. Spurious NVNT 1-DH5 2441MHz BT ANT Ref

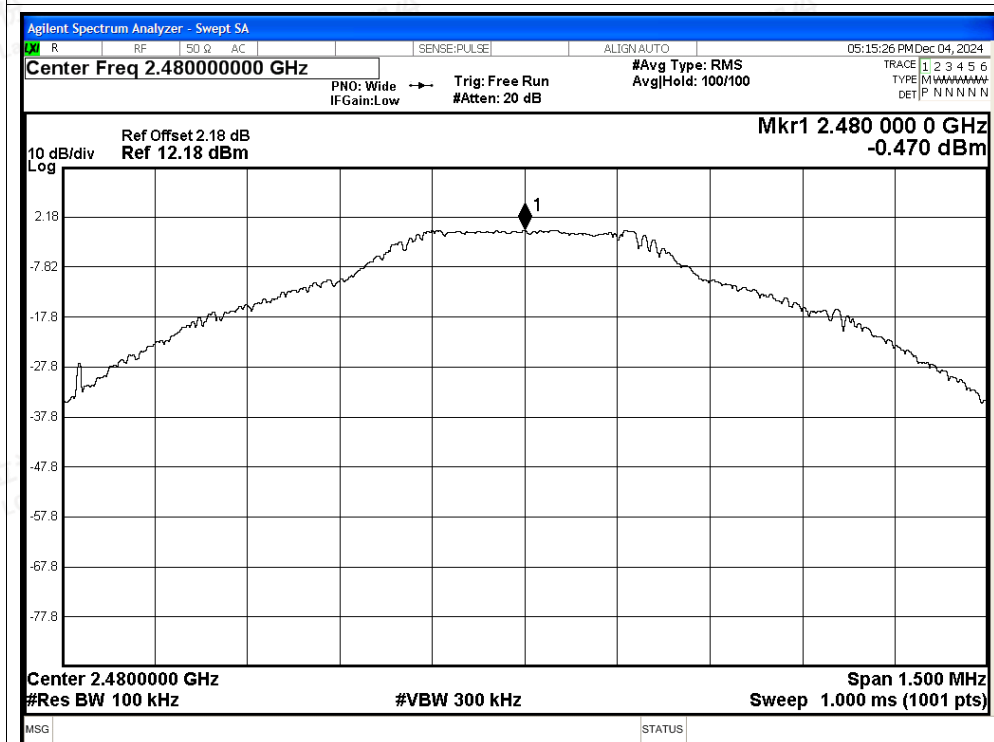


Tx. Spurious NVNT 1-DH5 2441MHz BT ANT Emission

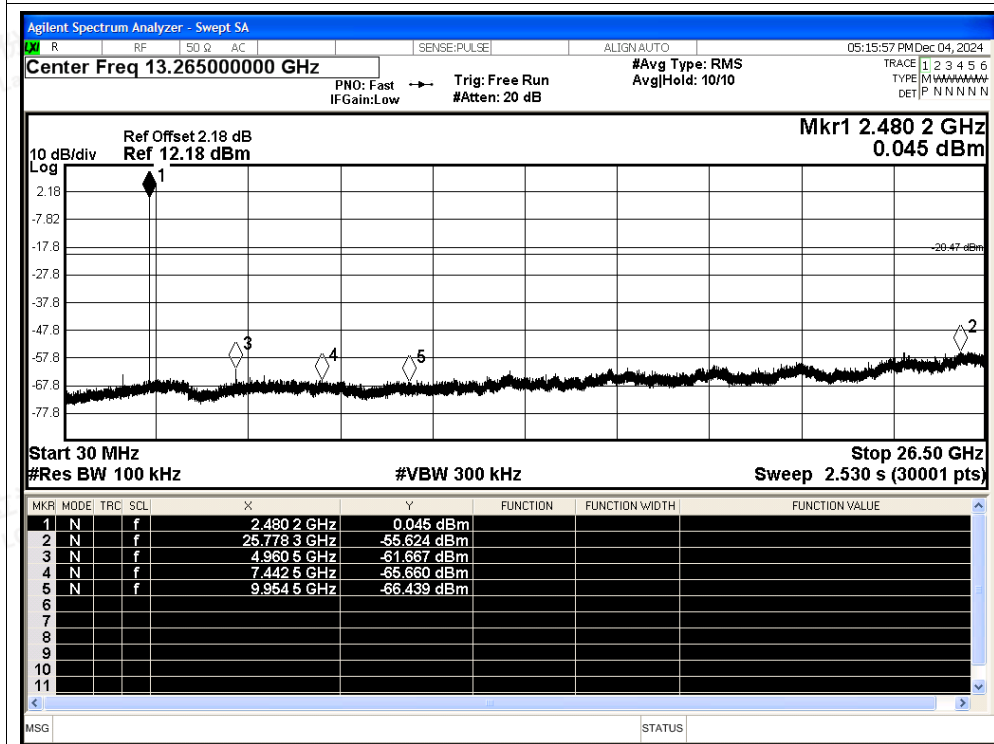




Tx. Spurious NVNT 1-DH5 2480MHz BT ANT Ref

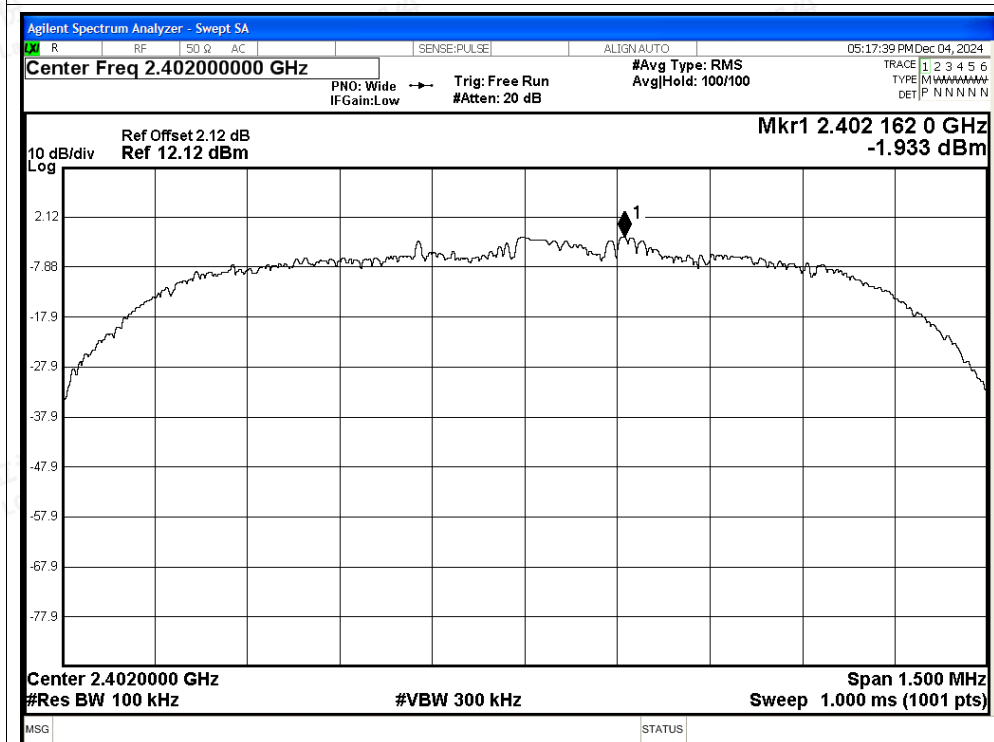


Tx. Spurious NVNT 1-DH5 2480MHz BT ANT Emission

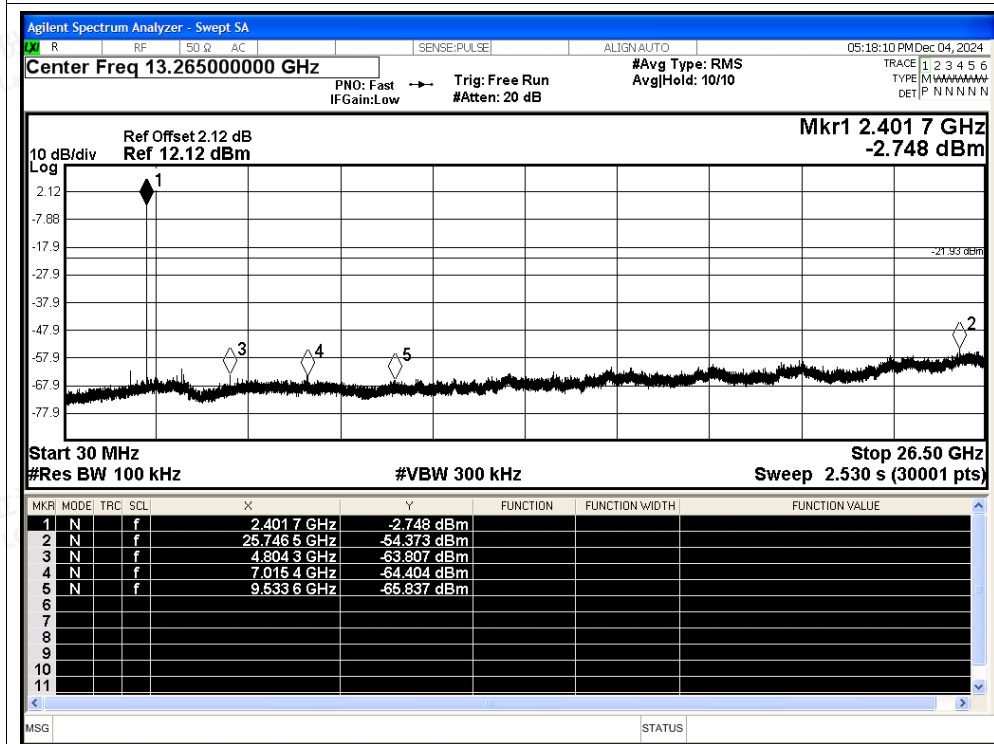




Tx. Spurious NVNT 2-DH5 2402MHz BT ANT Ref

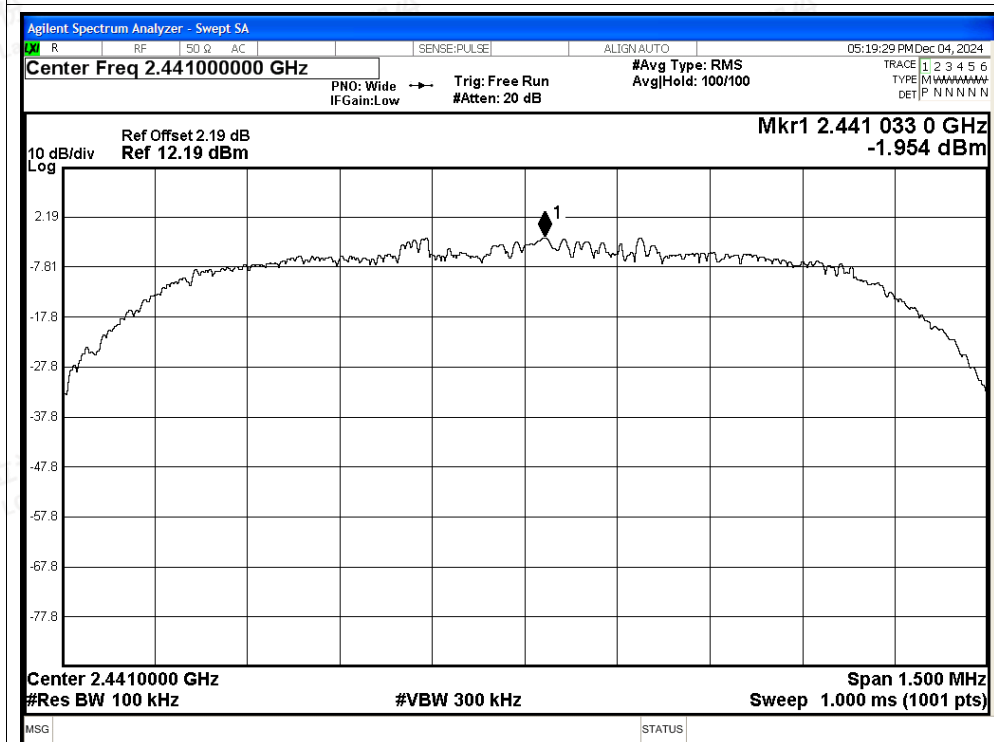


Tx. Spurious NVNT 2-DH5 2402MHz BT ANT Emission

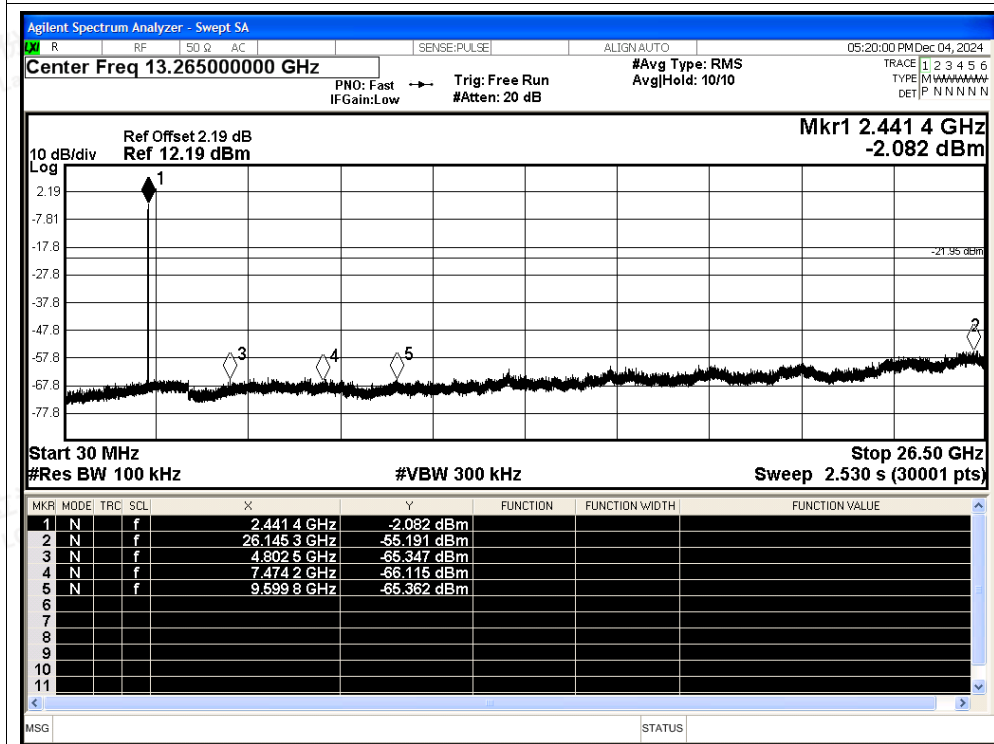




Tx. Spurious NVNT 2-DH5 2441MHz BT ANT Ref

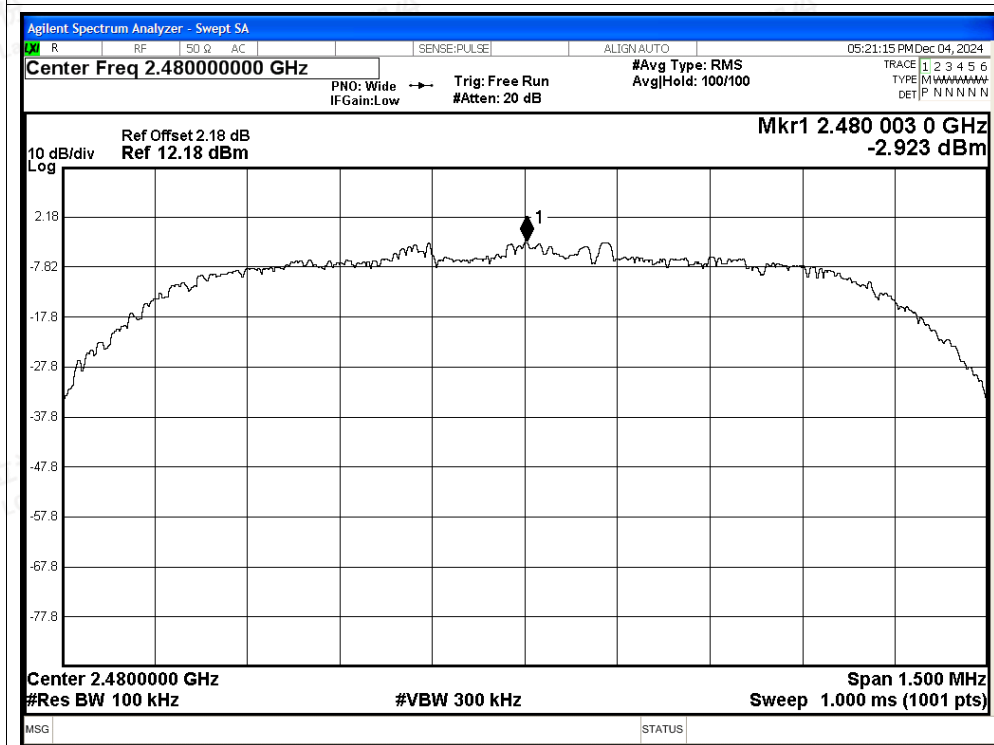


Tx. Spurious NVNT 2-DH5 2441MHz BT ANT Emission

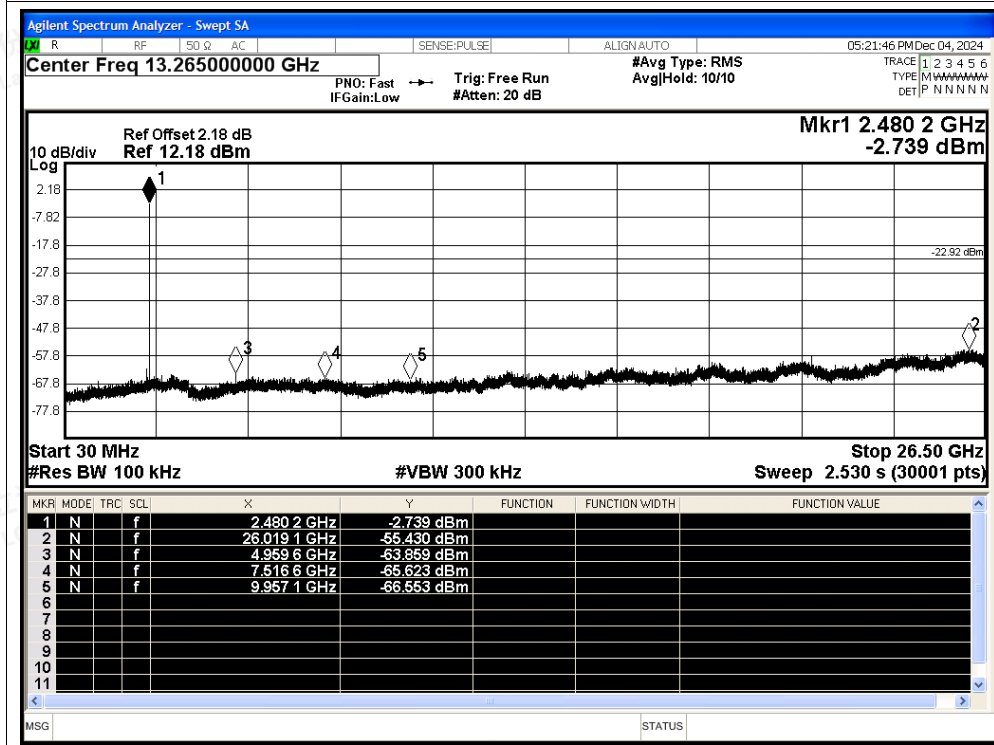




Tx. Spurious NVNT 2-DH5 2480MHz BT ANT Ref

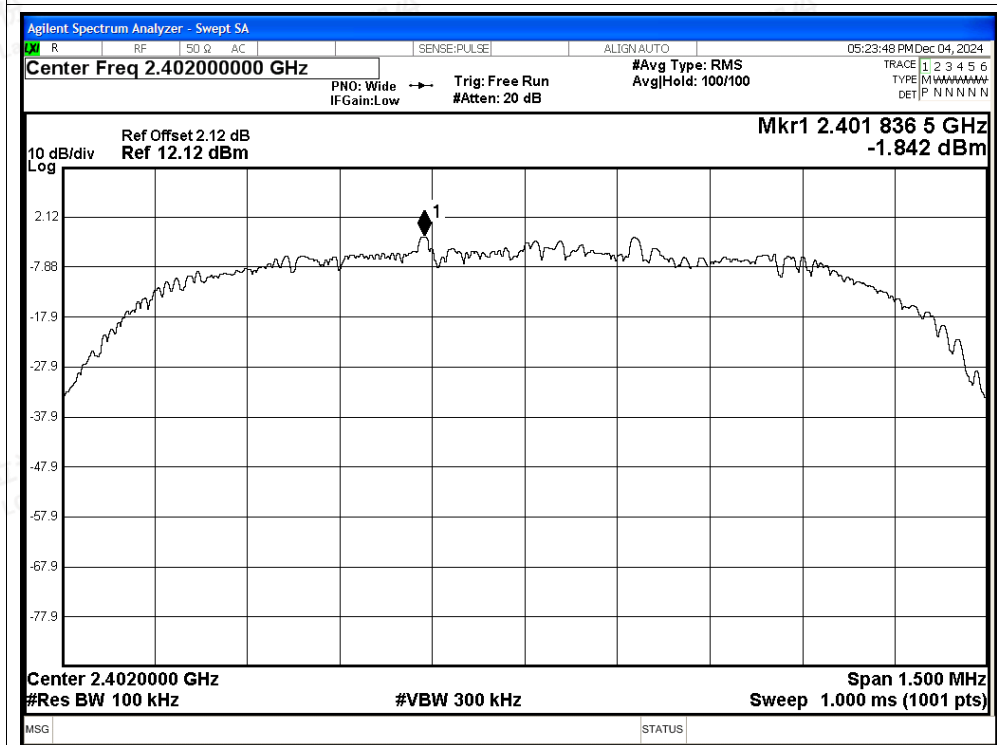


Tx. Spurious NVNT 2-DH5 2480MHz BT ANT Emission

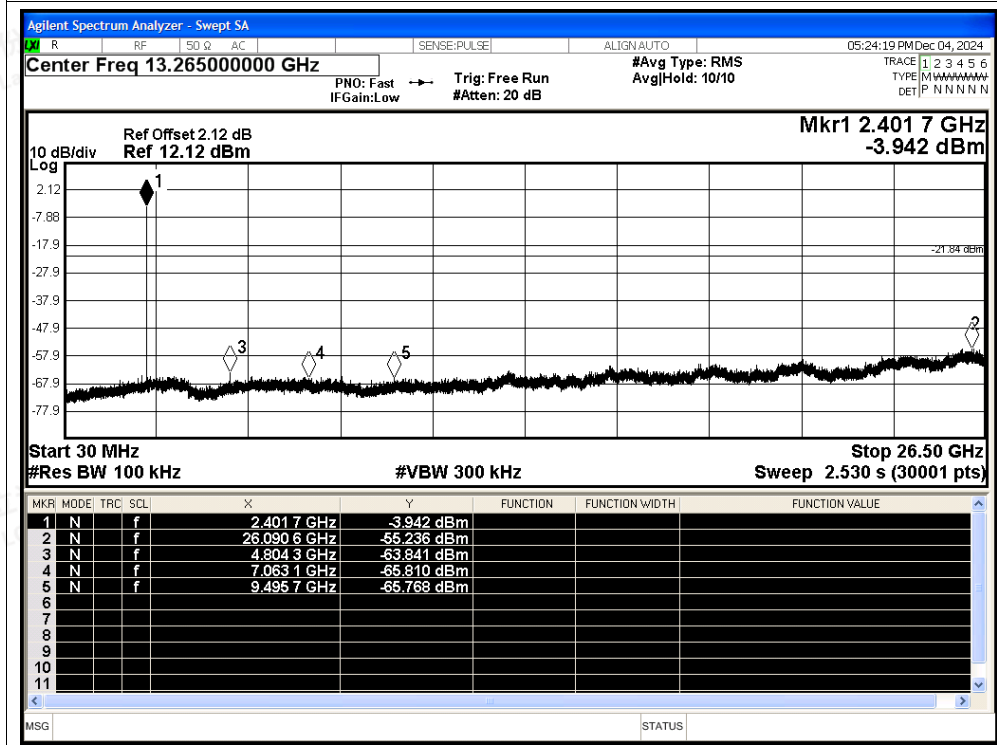




Tx. Spurious NVNT 3-DH5 2402MHz BT ANT Ref

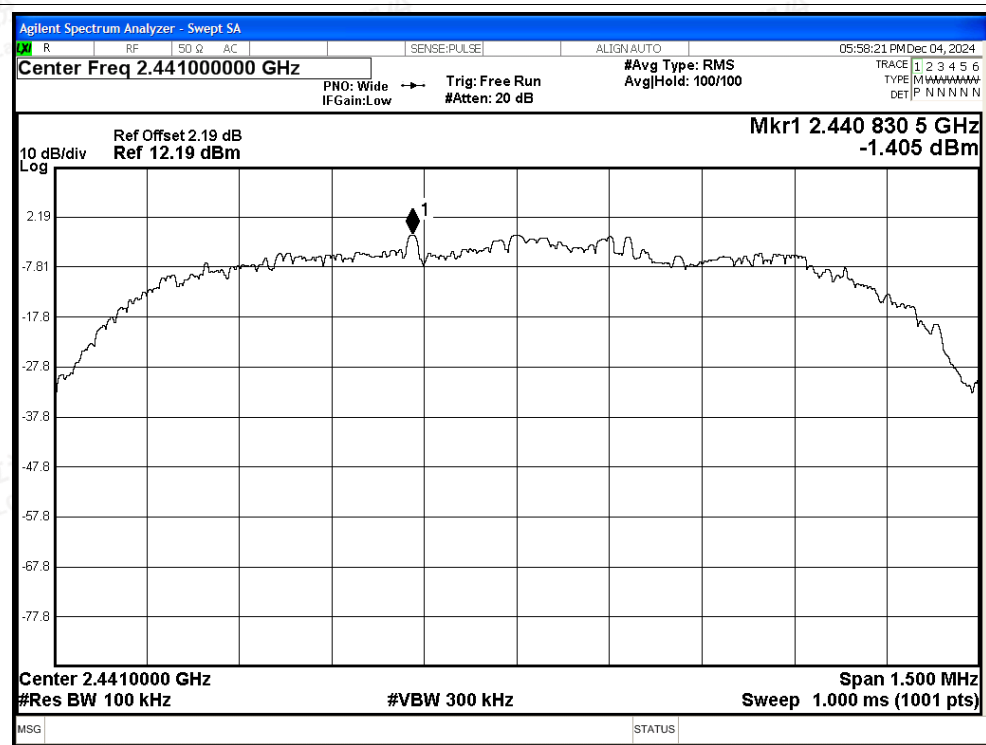


Tx. Spurious NVNT 3-DH5 2402MHz BT ANT Emission

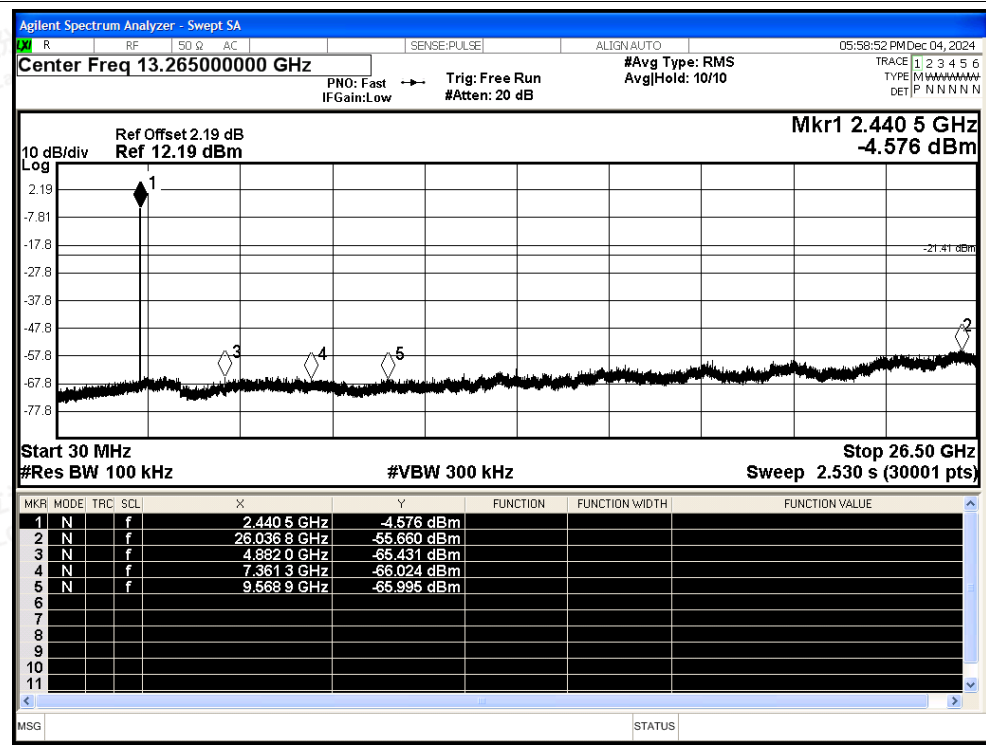




Tx. Spurious NVNT 3-DH5 2441MHz BT ANT Ref

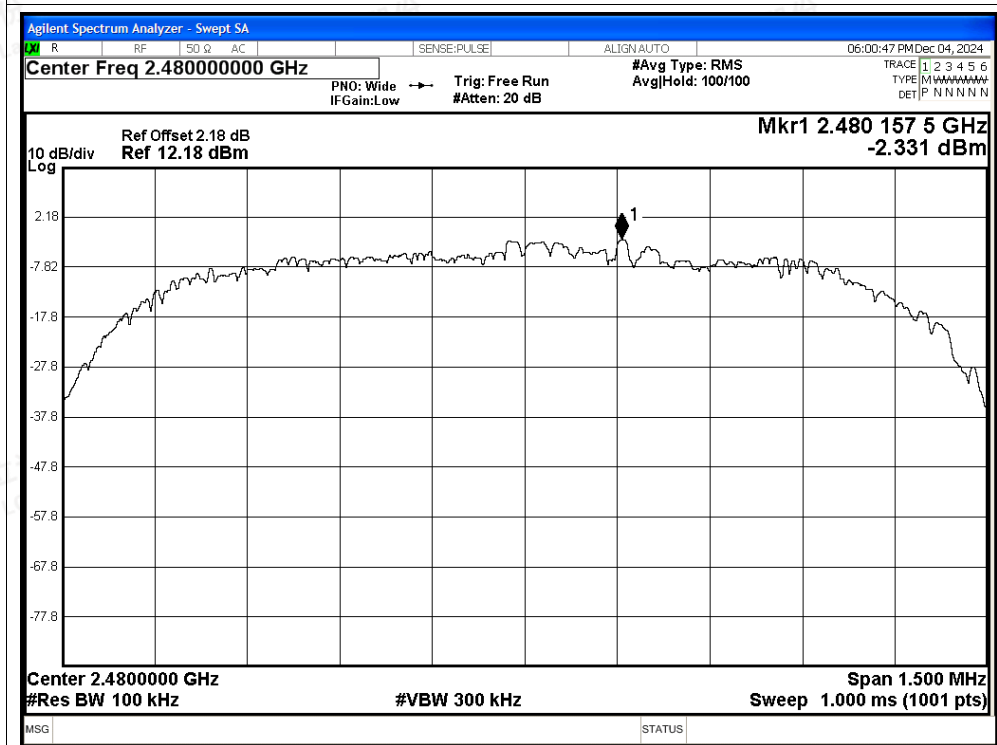


Tx. Spurious NVNT 3-DH5 2441MHz BT ANT Emission

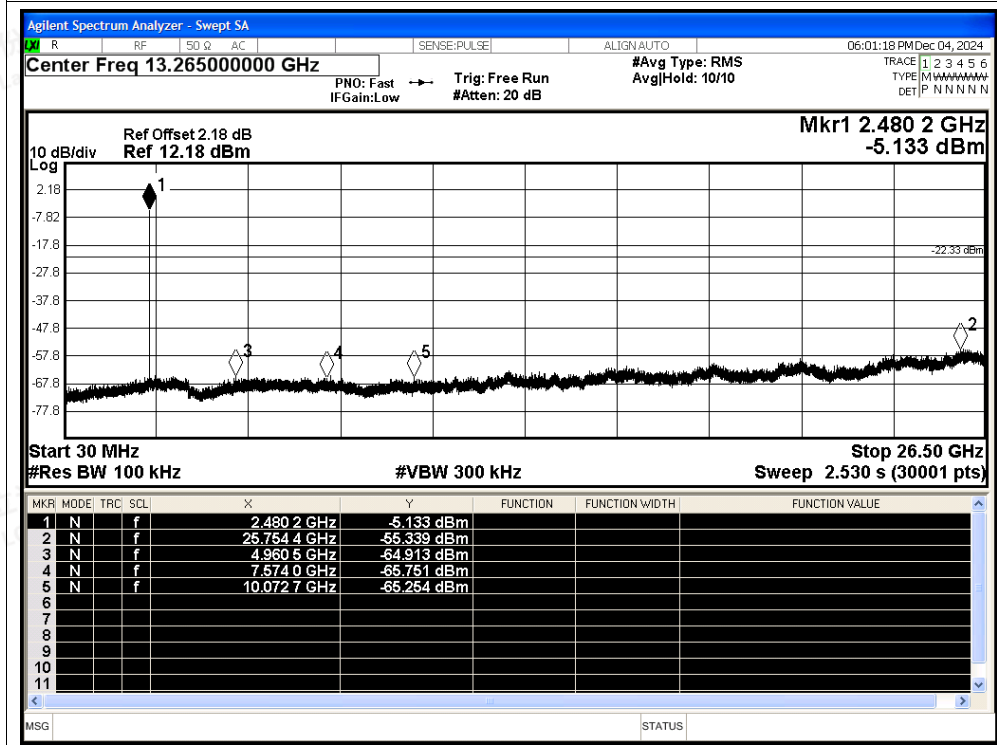




Tx. Spurious NVNT 3-DH5 2480MHz BT ANT Ref



Tx. Spurious NVNT 3-DH5 2480MHz BT ANT Emission





A.8 Duty Cycle

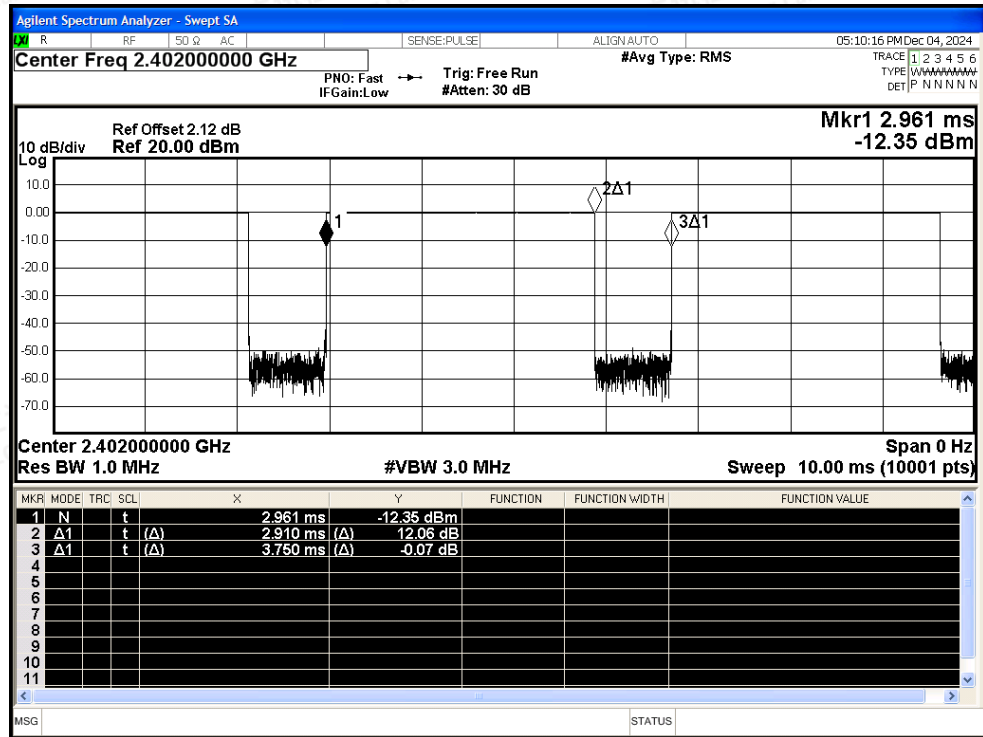
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	BT ANT	77.6	1.1	0.34
NVNT	1-DH5	2441	BT ANT	77.6	1.1	0.34
NVNT	1-DH5	2480	BT ANT	77.6	1.1	0.34
NVNT	2-DH5	2402	BT ANT	77.28	1.12	0.35
NVNT	2-DH5	2441	BT ANT	77.33	1.12	0.34
NVNT	2-DH5	2480	BT ANT	77.33	1.12	0.34
NVNT	3-DH5	2402	BT ANT	77.28	1.12	0.35
NVNT	3-DH5	2441	BT ANT	77.33	1.12	0.34
NVNT	3-DH5	2480	BT ANT	77.28	1.12	0.35



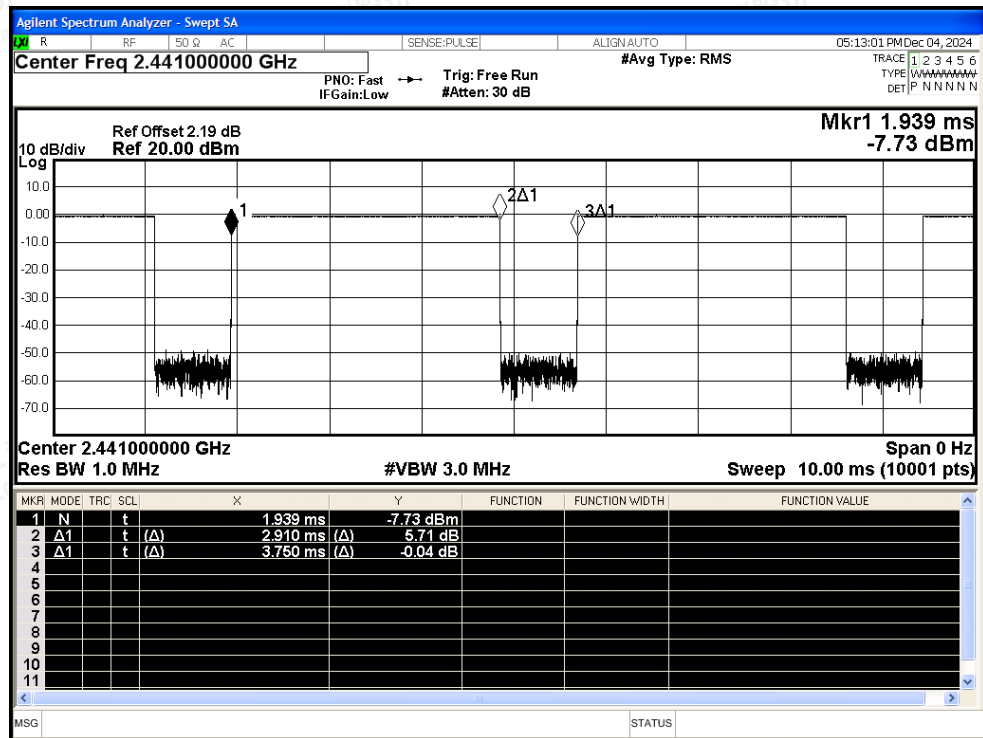


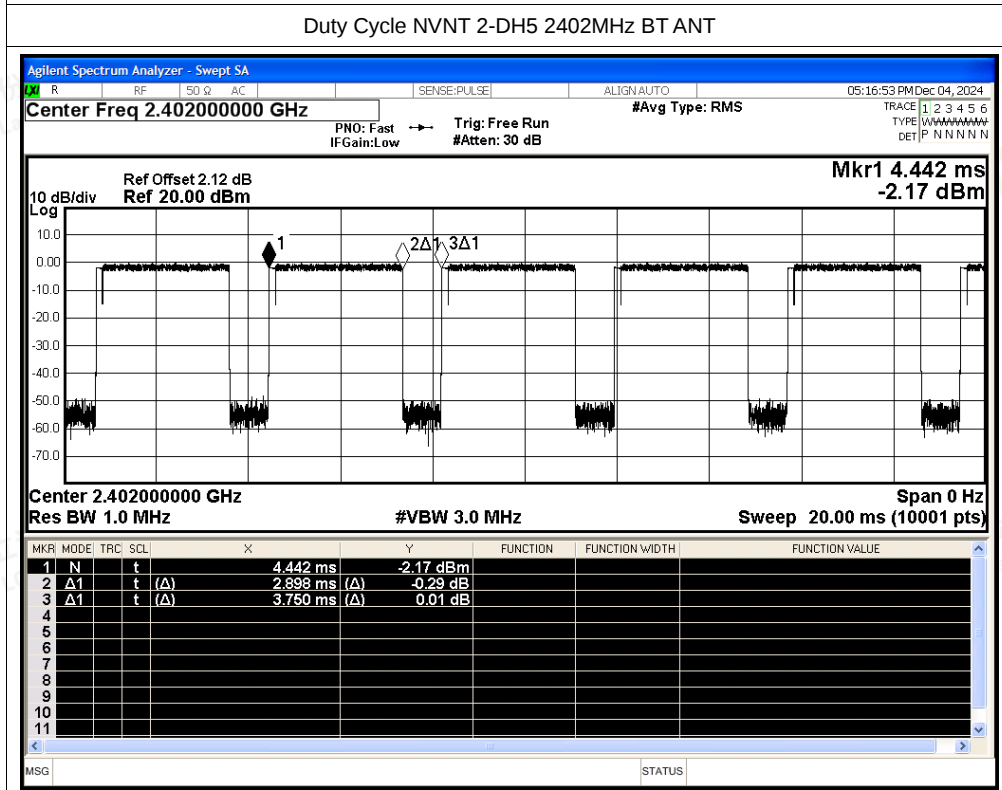
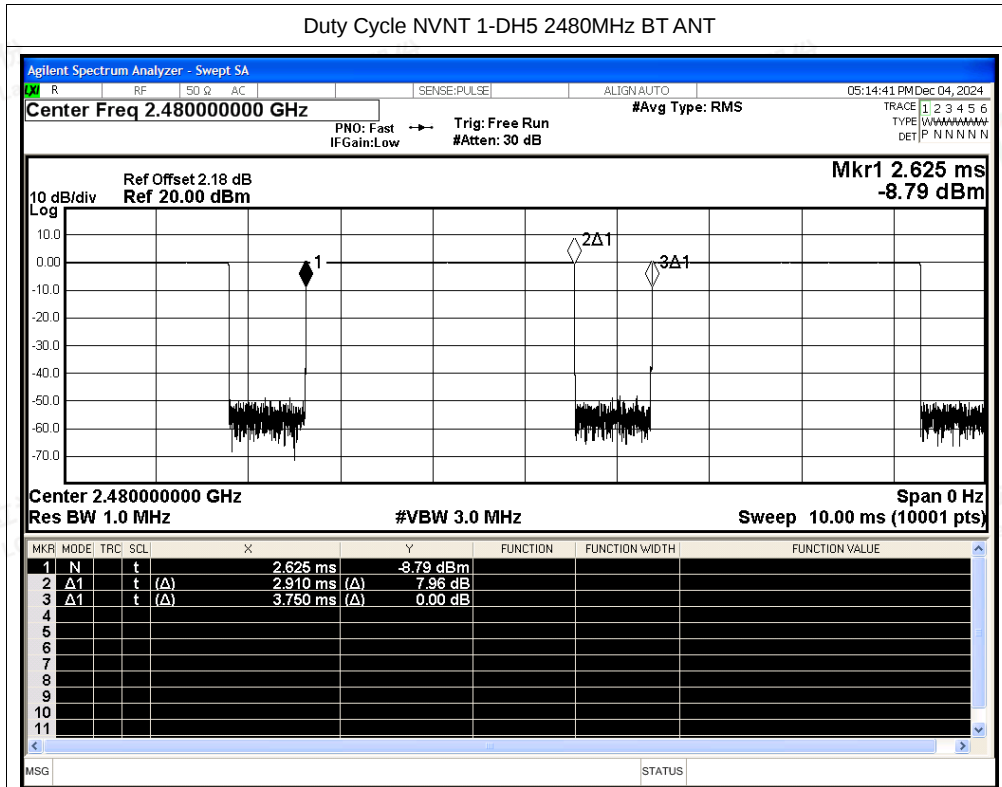
Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz BT ANT



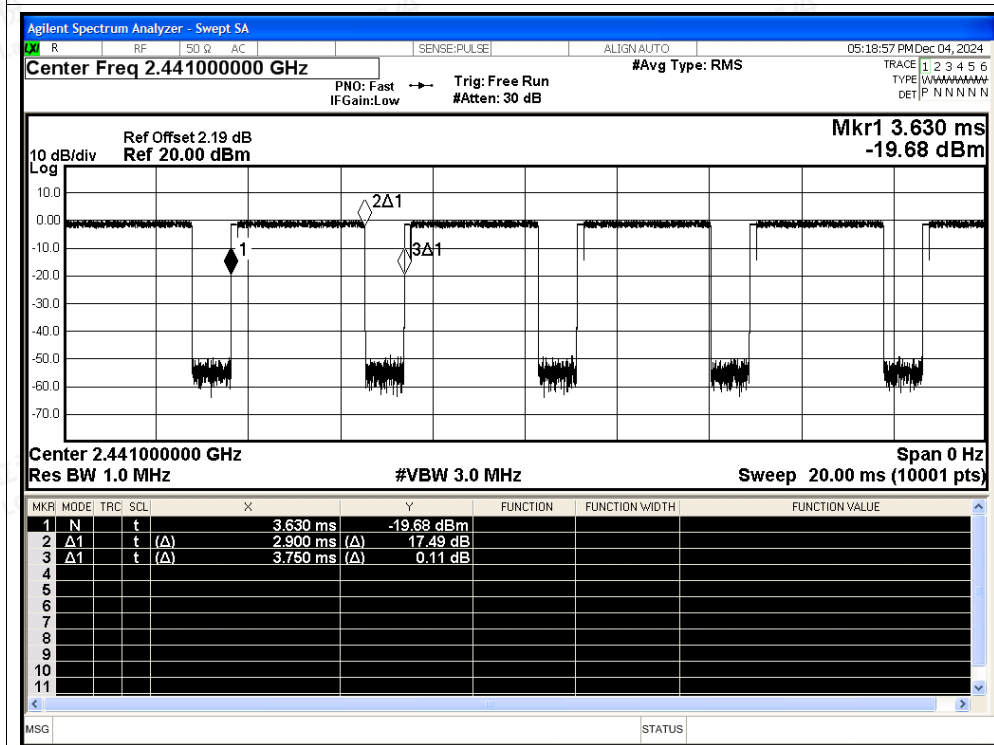
Duty Cycle NVNT 1-DH5 2441MHz BT ANT



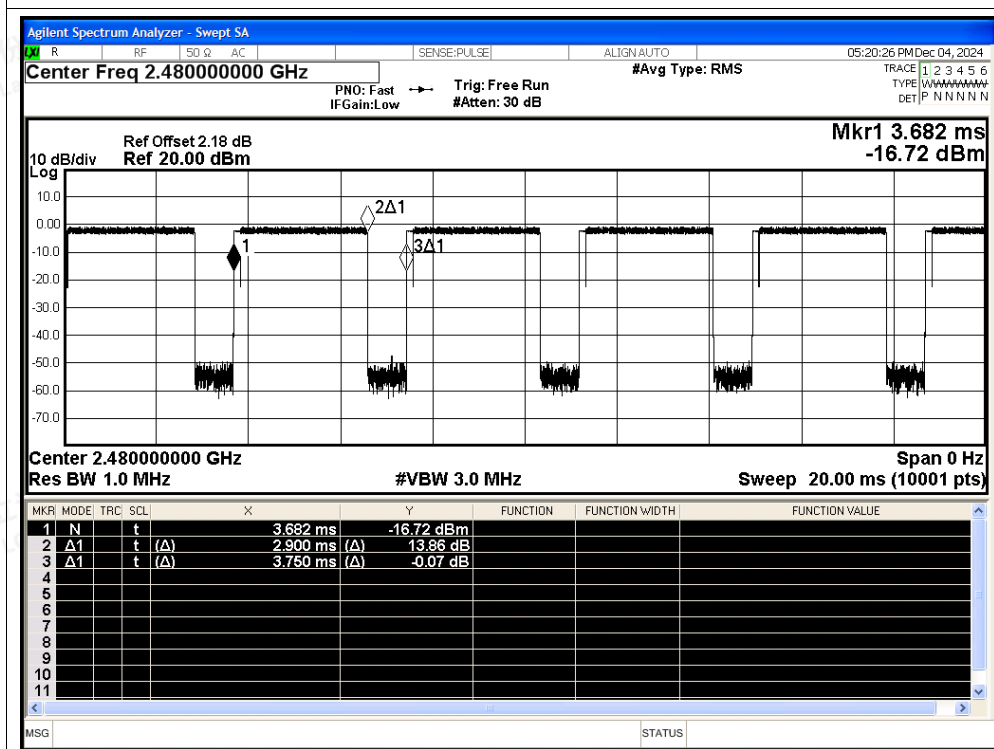




Duty Cycle NVNT 2-DH5 2441MHz BT ANT

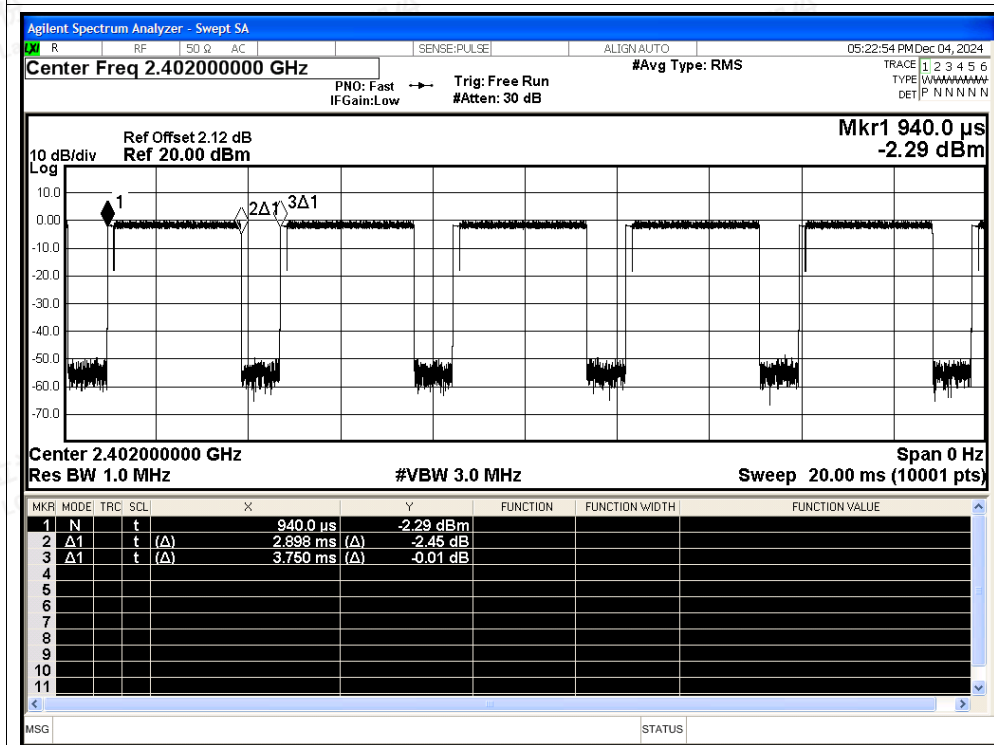


Duty Cycle NVNT 2-DH5 2480MHz BT ANT

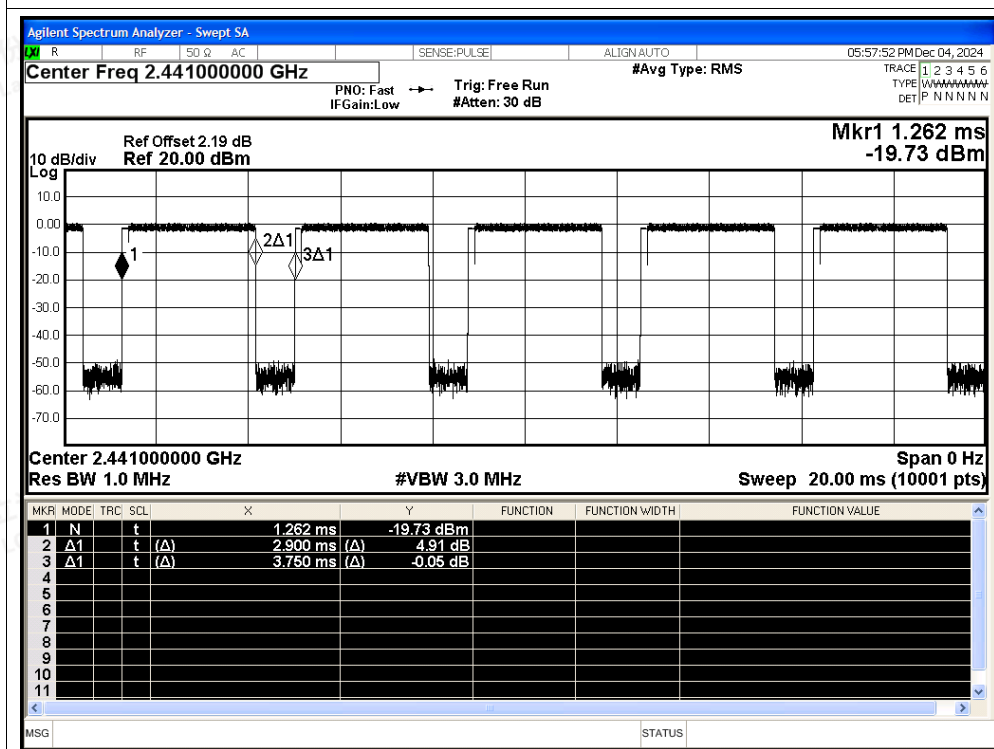


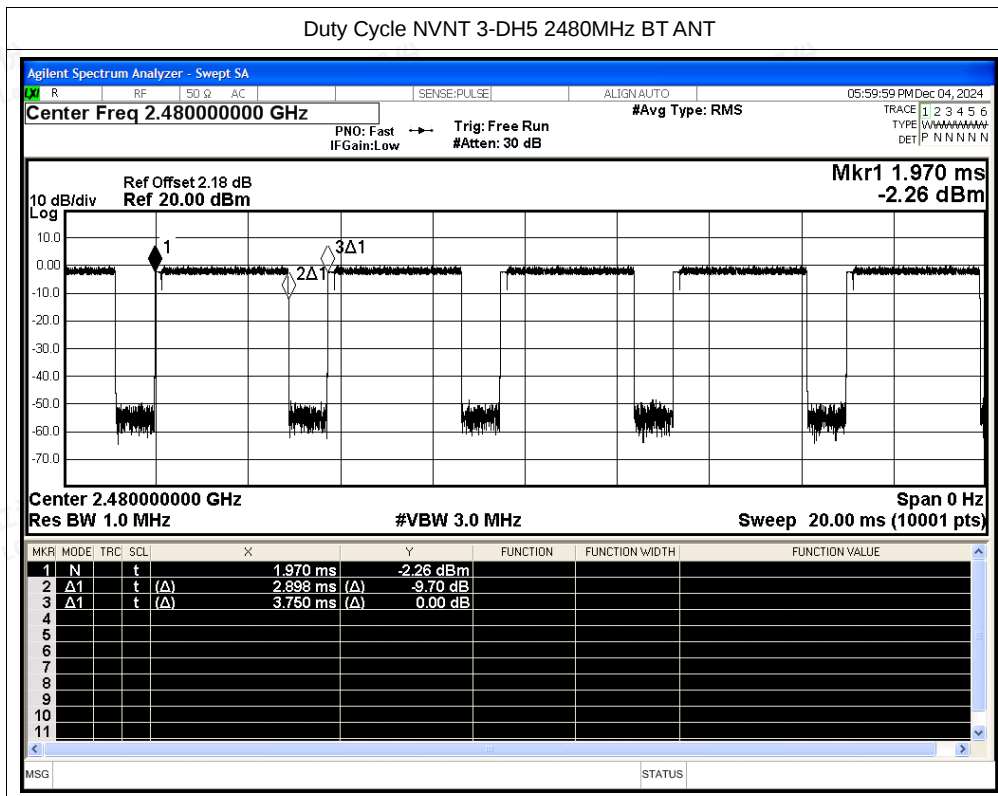


Duty Cycle NVNT 3-DH5 2402MHz BT ANT



Duty Cycle NVNT 3-DH5 2441MHz BT ANT







A.9 Restrict Band

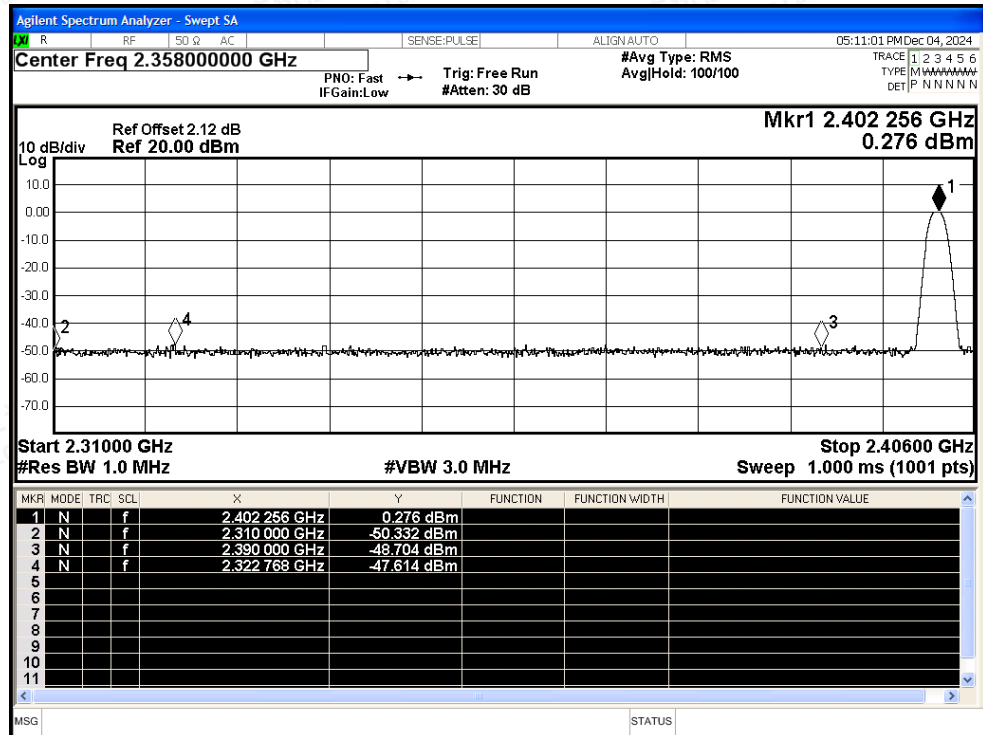
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	BT ANT	No-Hopping	2310	-50.33	2.85	-	47.78	Peak	74	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2310	-59.36	2.85	1.1	39.85	Average	54	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2322.768	-47.61	2.85	-	50.50	Peak	74	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2380.08	-57.52	2.85	1.1	41.69	Average	54	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2390	-48.7	2.85	-	49.41	Peak	74	Pass
NVNT	1-DH5	2402	BT ANT	No-Hopping	2390	-58.52	2.85	1.1	40.69	Average	54	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2483.5	-49.13	2.85	-	48.98	Peak	74	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2483.5	-57.24	2.85	1.1	41.97	Average	54	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2485.84	-46.6	2.85	-	51.51	Peak	74	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2485.888	-57.07	2.85	1.1	42.14	Average	54	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2500	-47.95	2.85	-	50.16	Peak	74	Pass
NVNT	1-DH5	2480	BT ANT	No-Hopping	2500	-58.13	2.85	1.1	41.08	Average	54	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2310	-50.78	2.85	-	47.33	Peak	74	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2310	-59.1	2.85	1.12	40.13	Average	54	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2383.056	-47.21	2.85	-	50.90	Peak	74	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2356.848	-57.56	2.85	1.12	41.67	Average	54	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2390	-50.64	2.85	-	47.47	Peak	74	Pass
NVNT	2-DH5	2402	BT ANT	No-Hopping	2390	-57.79	2.85	1.12	41.44	Average	54	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2483.5	-50.29	2.85	-	47.82	Peak	74	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2483.5	-57.83	2.85	1.12	41.40	Average	54	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2490.784	-46.24	2.85	-	51.87	Peak	74	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2499.928	-57.14	2.85	1.12	42.09	Average	54	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2500	-49.65	2.85	-	48.46	Peak	74	Pass
NVNT	2-DH5	2480	BT ANT	No-Hopping	2500	-57.69	2.85	1.12	41.54	Average	54	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2310	-49.46	2.85	-	48.65	Peak	74	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2310	-58.36	2.85	1.12	40.87	Average	54	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2362.416	-46.8	2.85	-	51.31	Peak	74	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2381.808	-57.28	2.85	1.12	41.95	Average	54	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2390	-49.94	2.85	-	48.17	Peak	74	Pass
NVNT	3-DH5	2402	BT ANT	No-Hopping	2390	-58.83	2.85	1.12	40.40	Average	54	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2483.5	-48.88	2.85	-	49.23	Peak	74	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2483.5	-57.37	2.85	1.12	41.86	Average	54	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2483.752	-47.27	2.85	-	50.84	Peak	74	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2483.56	-57.01	2.85	1.12	42.22	Average	54	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2500	-50.61	2.85	-	47.50	Peak	74	Pass
NVNT	3-DH5	2480	BT ANT	No-Hopping	2500	-58.02	2.85	1.12	41.21	Average	54	Pass





Test Graphs

Restrict Band NVNT 1-DH5 2402MHz BT ANT No-Hopping Peak



Restrict Band NVNT 1-DH5 2402MHz BT ANT No-Hopping Average

