

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Android All-in-one Panel PC

Test Model: IPC101-A02-A02

Environmental Conditions

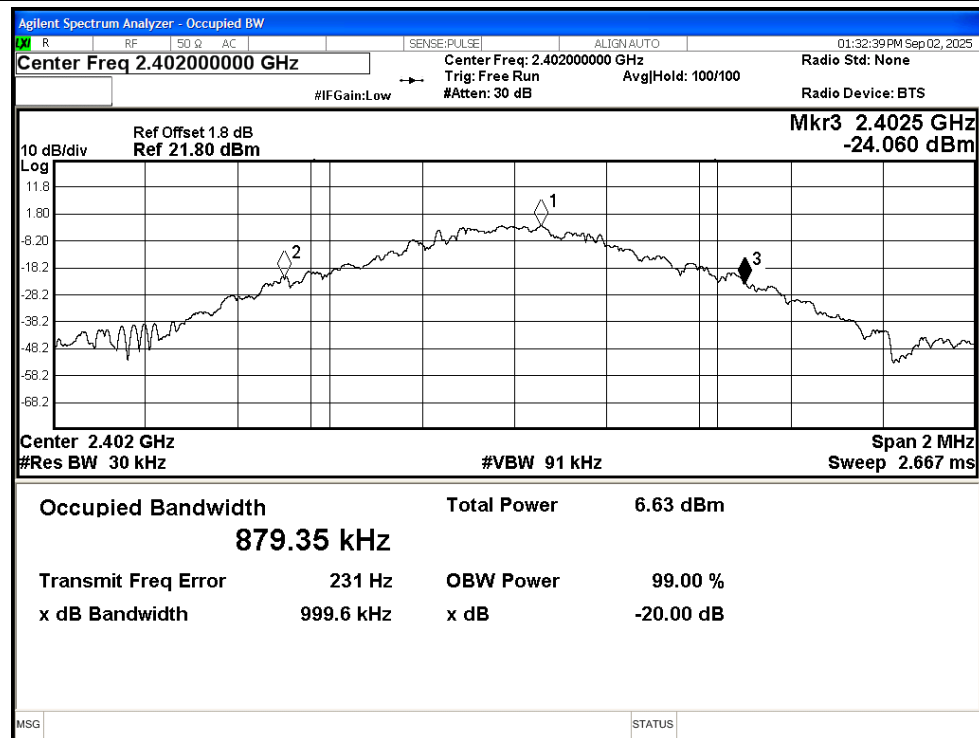
Temperature:	23.9° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Suichao Lai
Supervised by:	Yan Chen

A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.967	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.963	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.281	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.283	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.321	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.299	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.292	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.301	N/A	Pass

Test Graphs

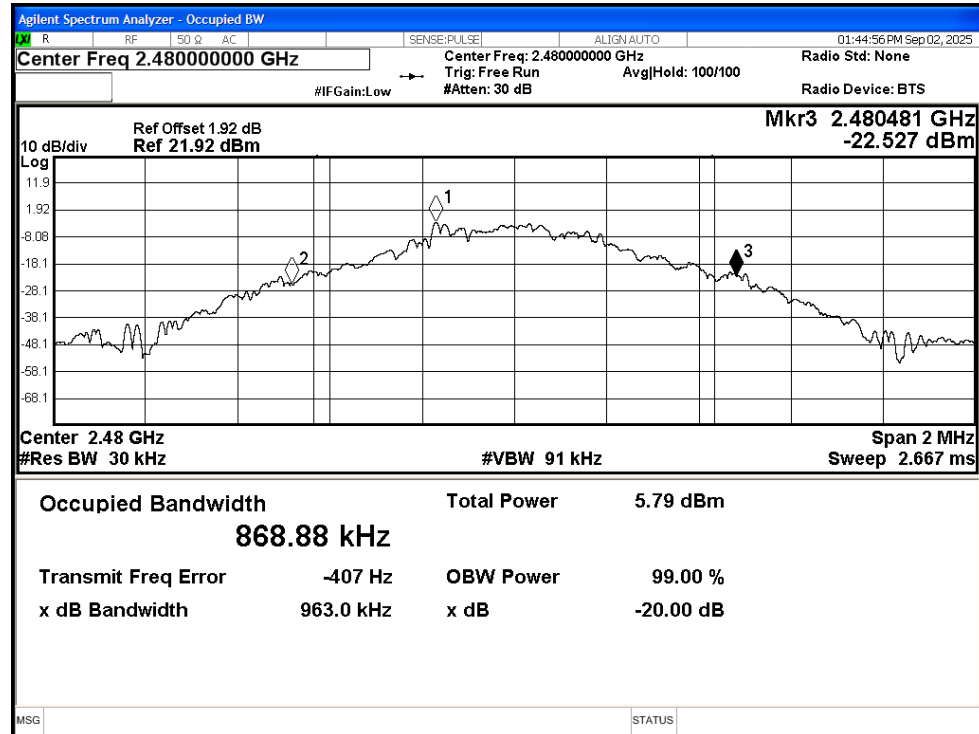
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



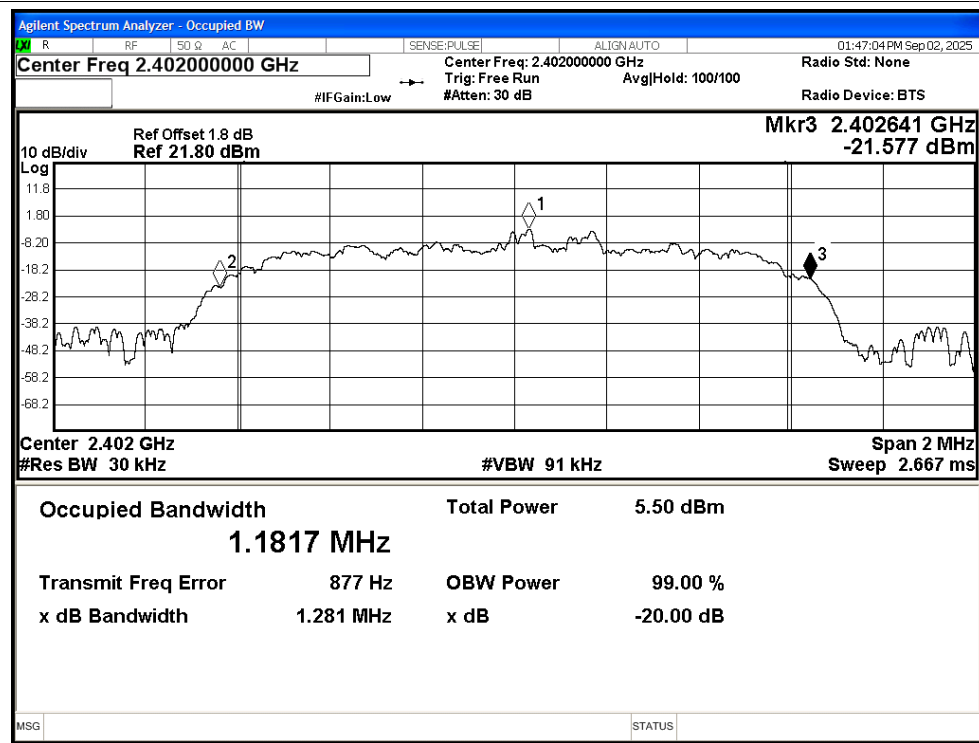
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



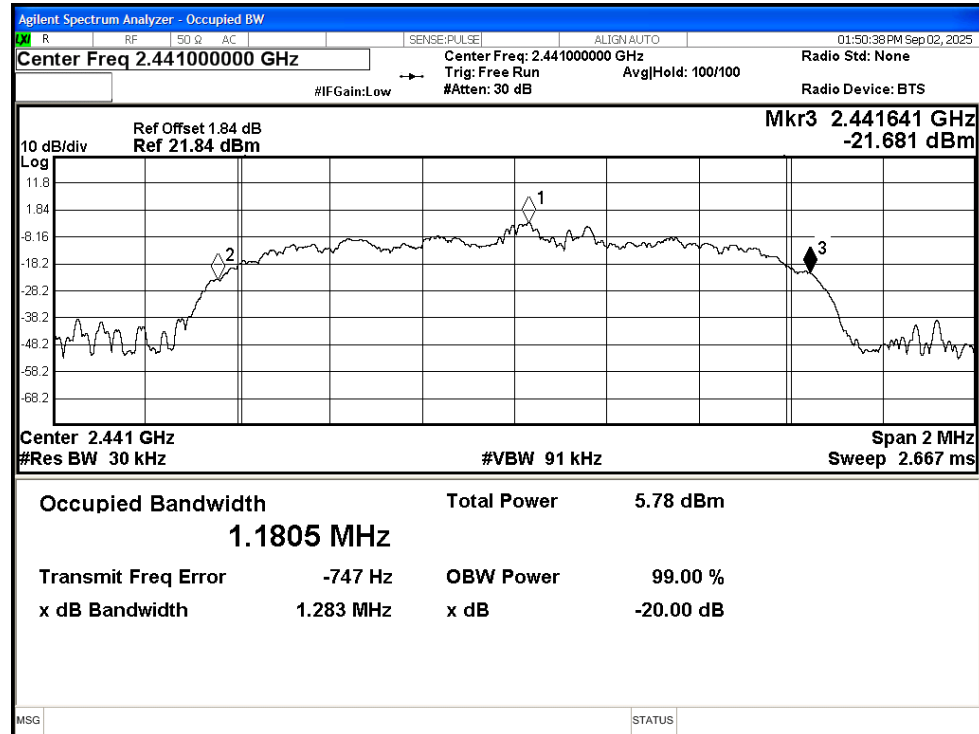
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



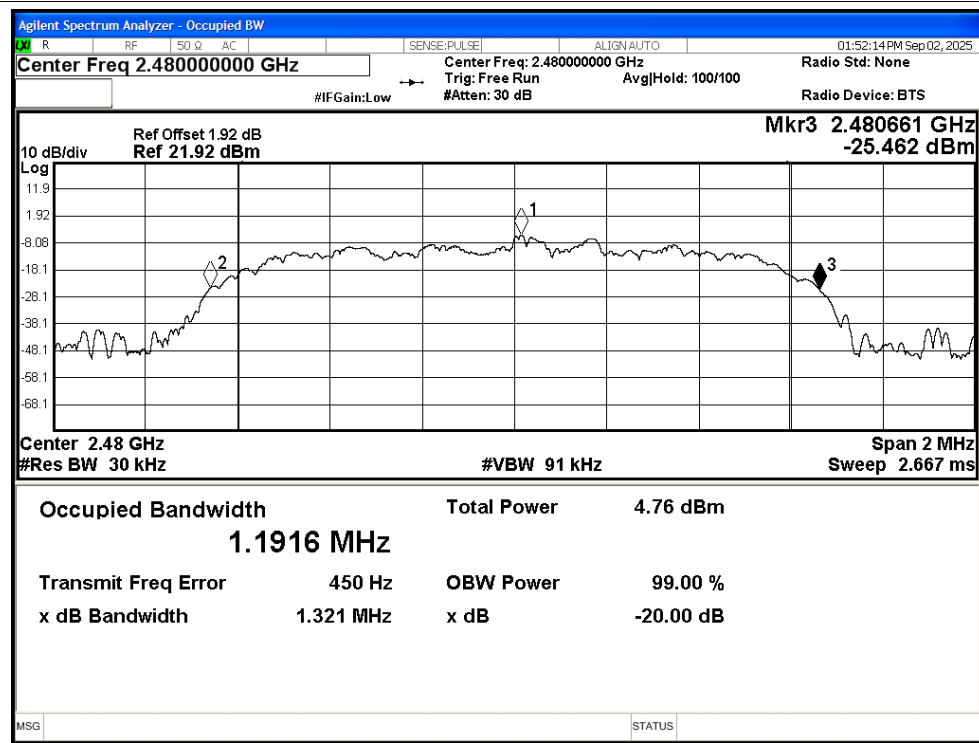
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



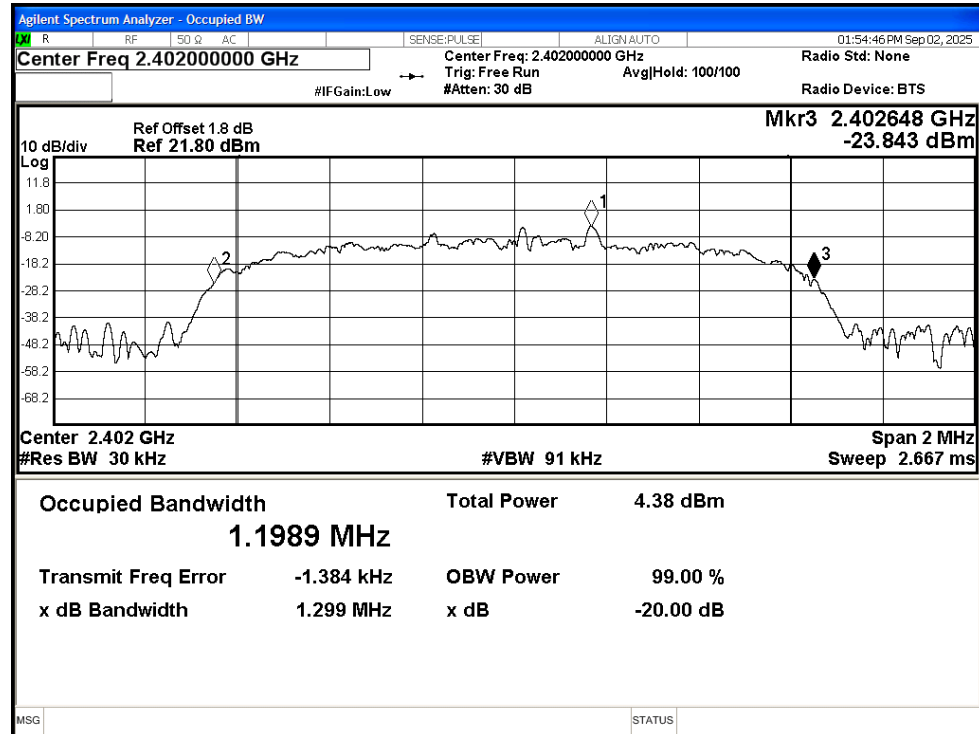
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



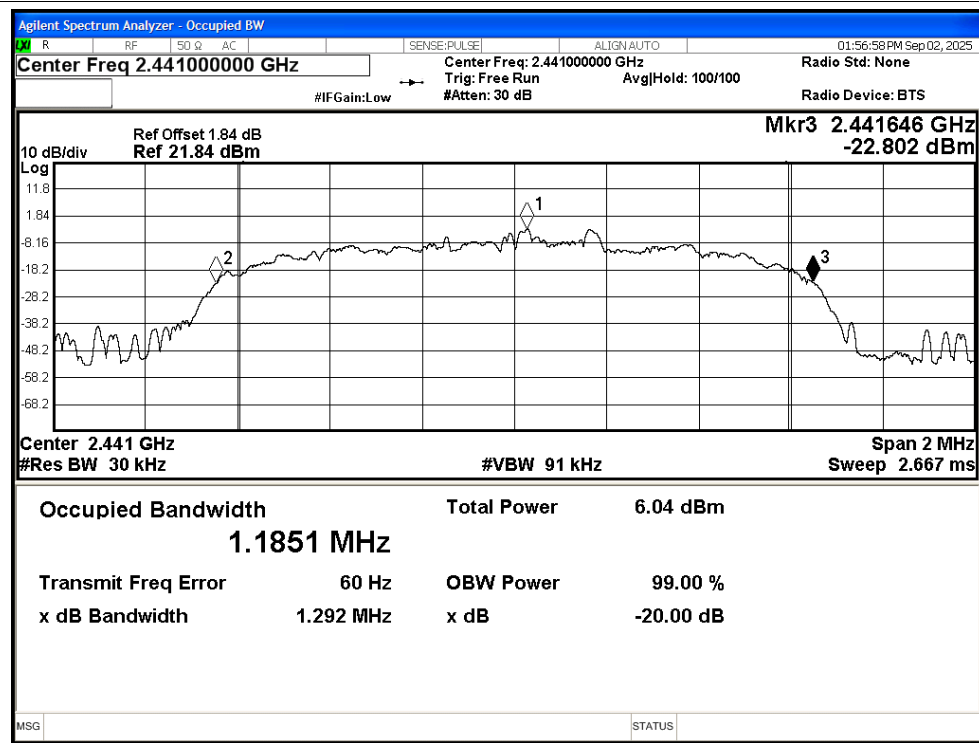
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

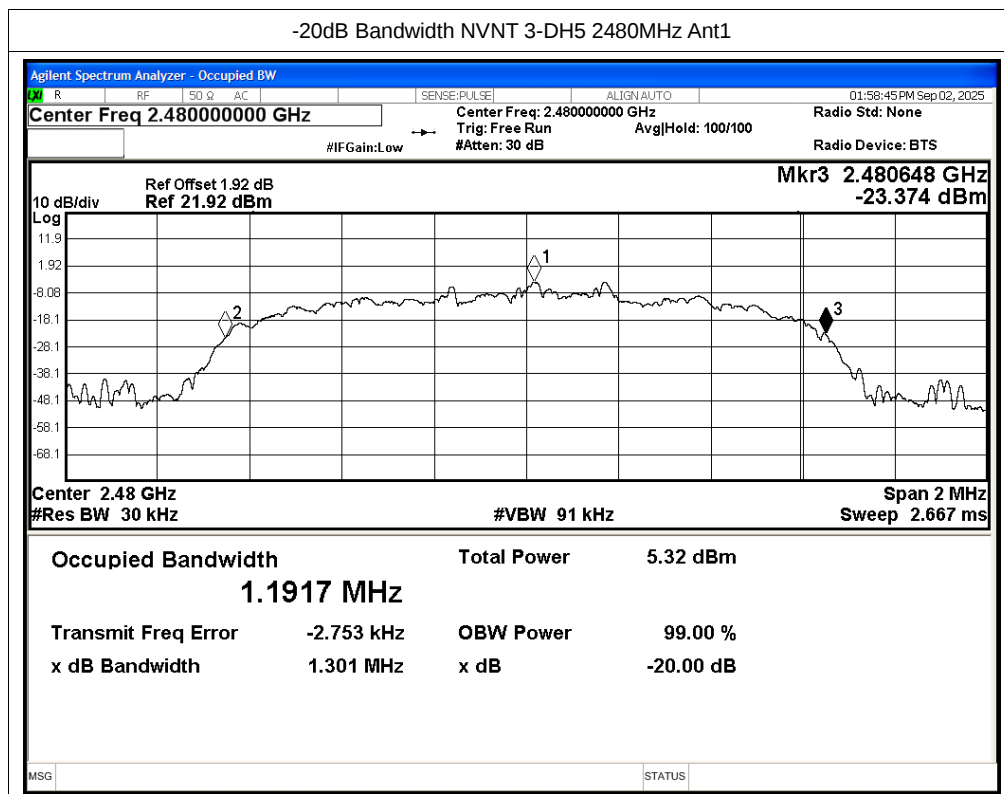


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



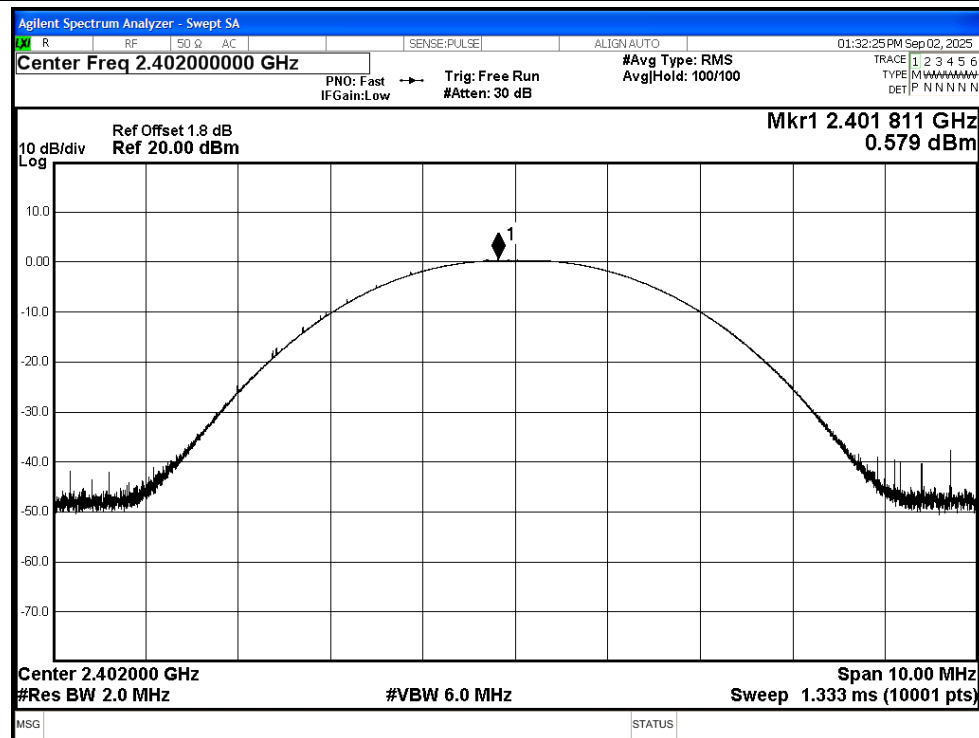


A.2 Maximum Peak Conducted Output Power

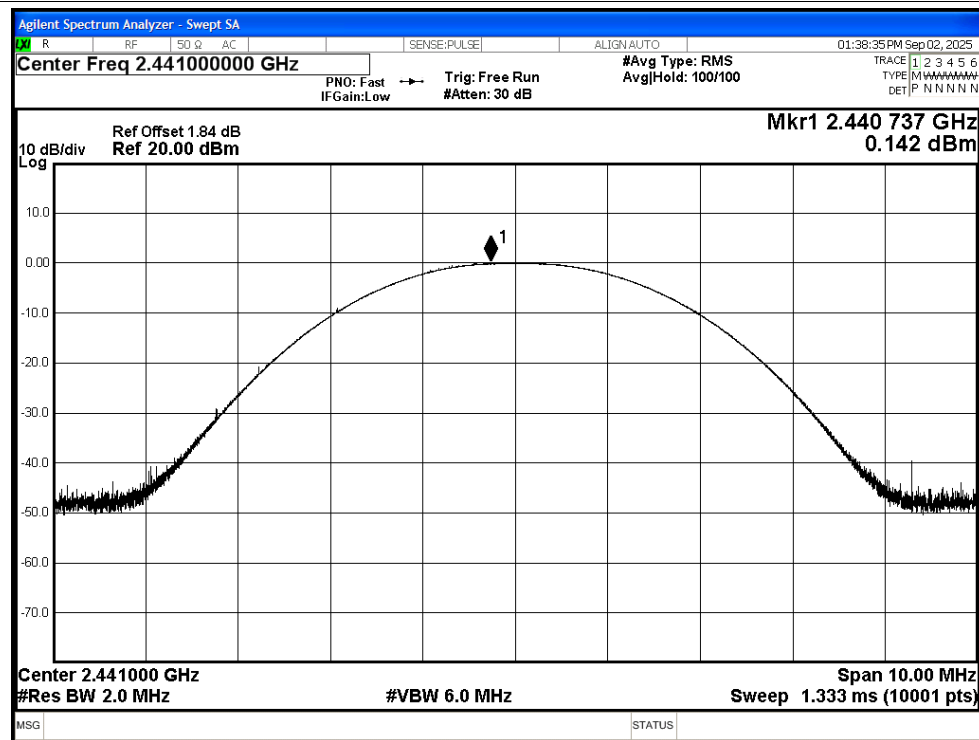
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.58	21	Pass
NVNT	1-DH5	2441	Ant1	0.14	21	Pass
NVNT	1-DH5	2480	Ant1	-0.69	21	Pass
NVNT	2-DH5	2402	Ant1	0.79	21	Pass
NVNT	2-DH5	2441	Ant1	0.91	21	Pass
NVNT	2-DH5	2480	Ant1	0.12	21	Pass
NVNT	3-DH5	2402	Ant1	0.06	21	Pass
NVNT	3-DH5	2441	Ant1	1.17	21	Pass
NVNT	3-DH5	2480	Ant1	0.27	21	Pass

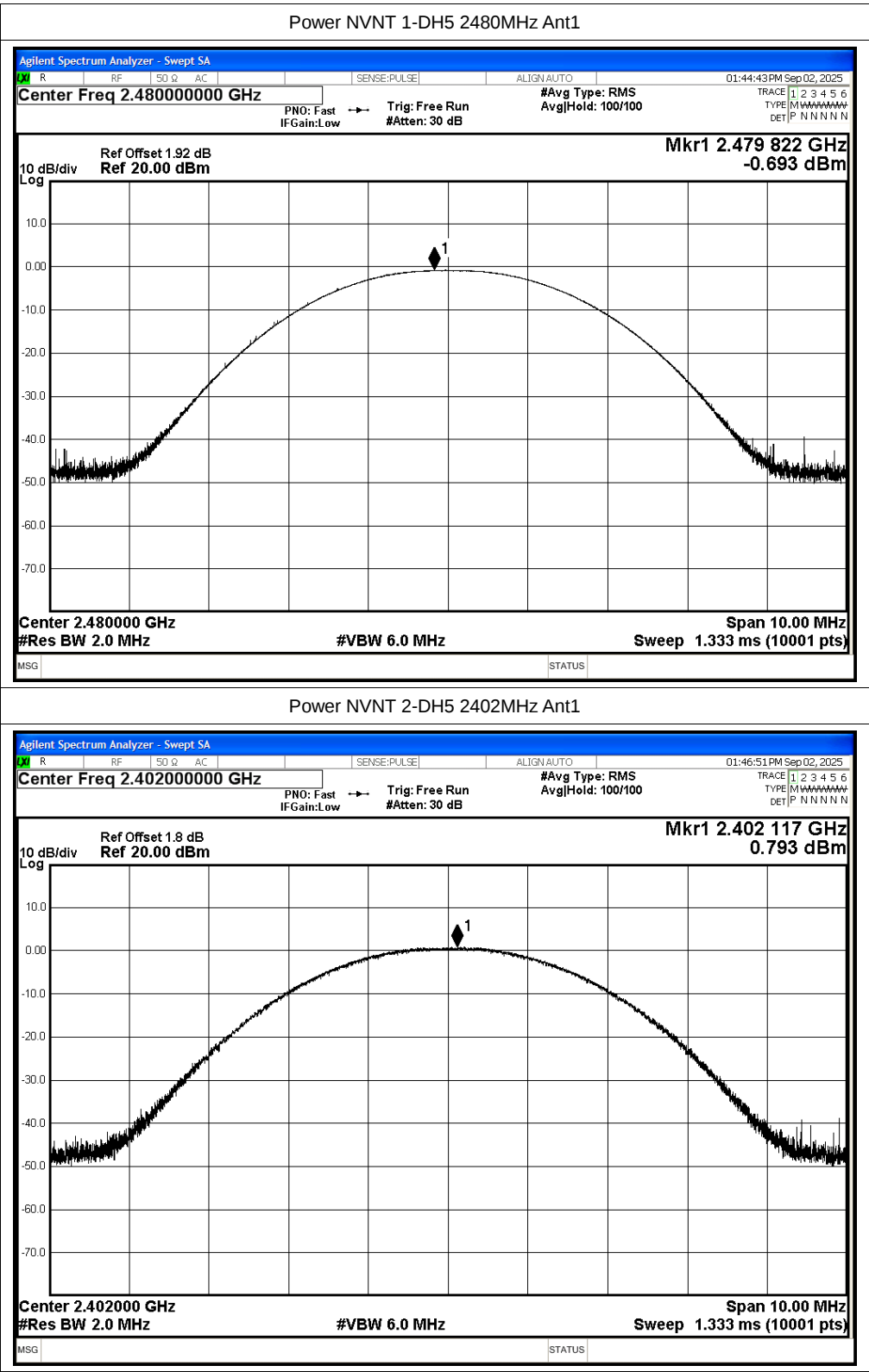
Test Graphs

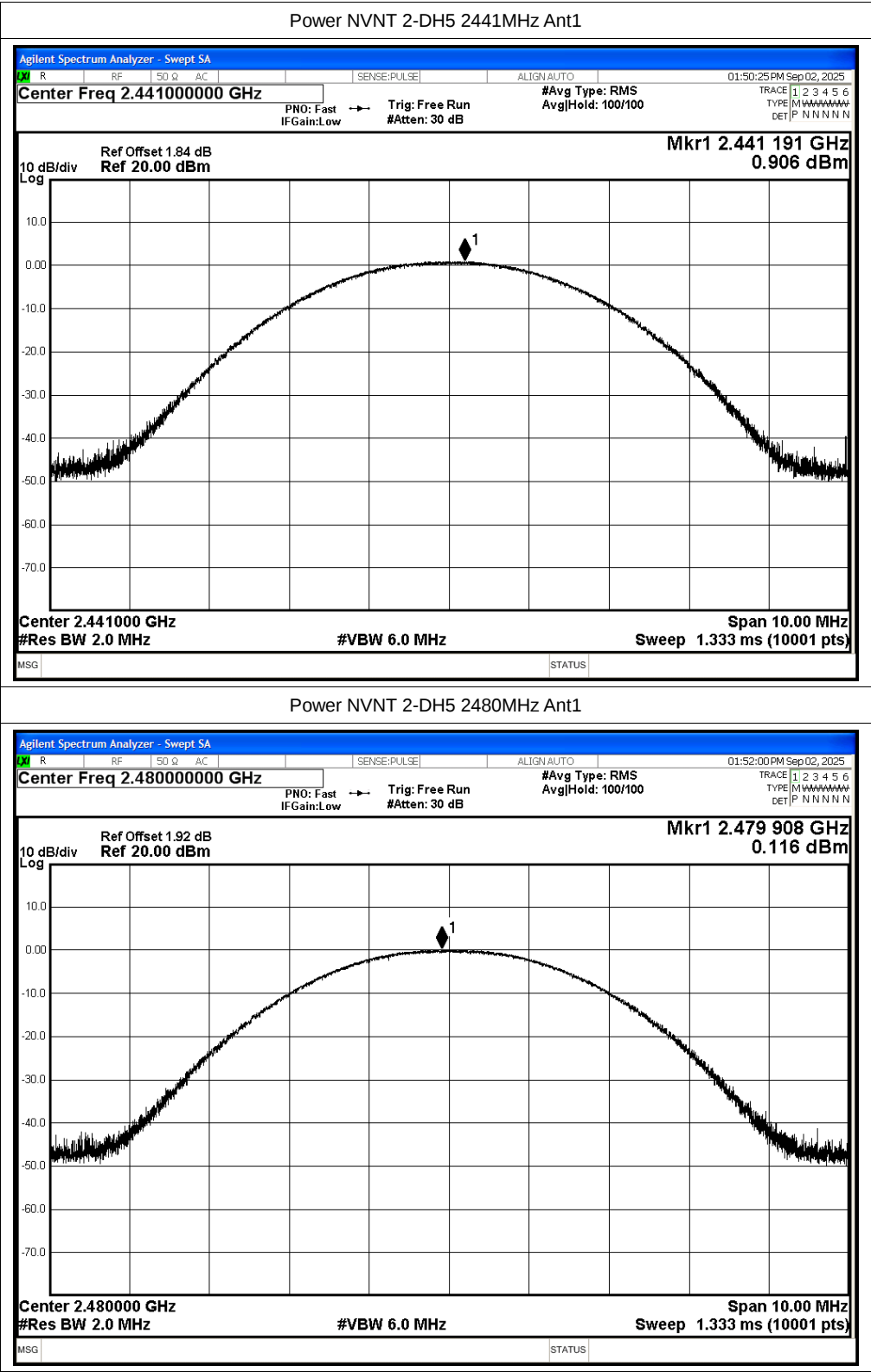
Power NVNT 1-DH5 2402MHz Ant1

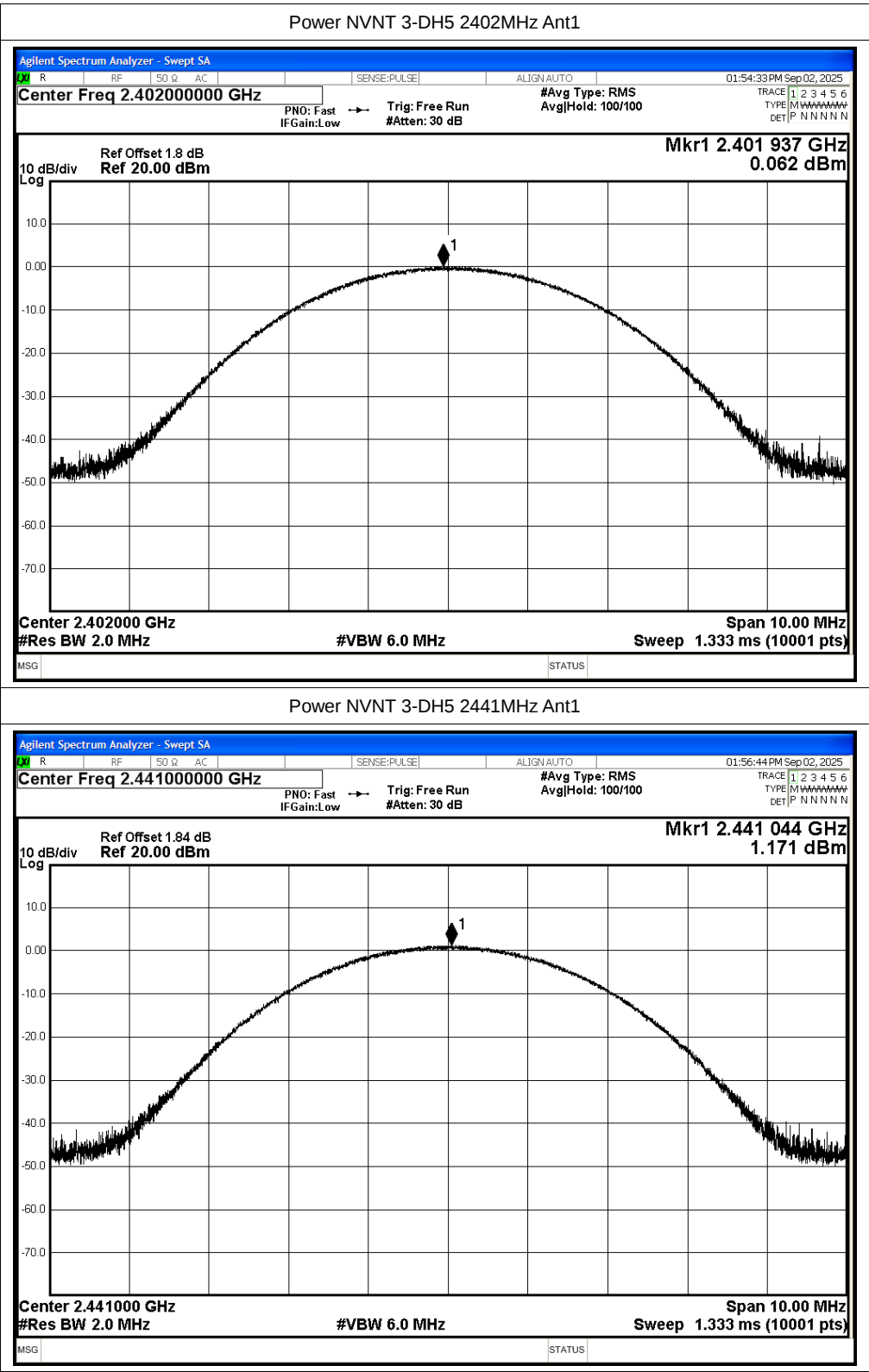


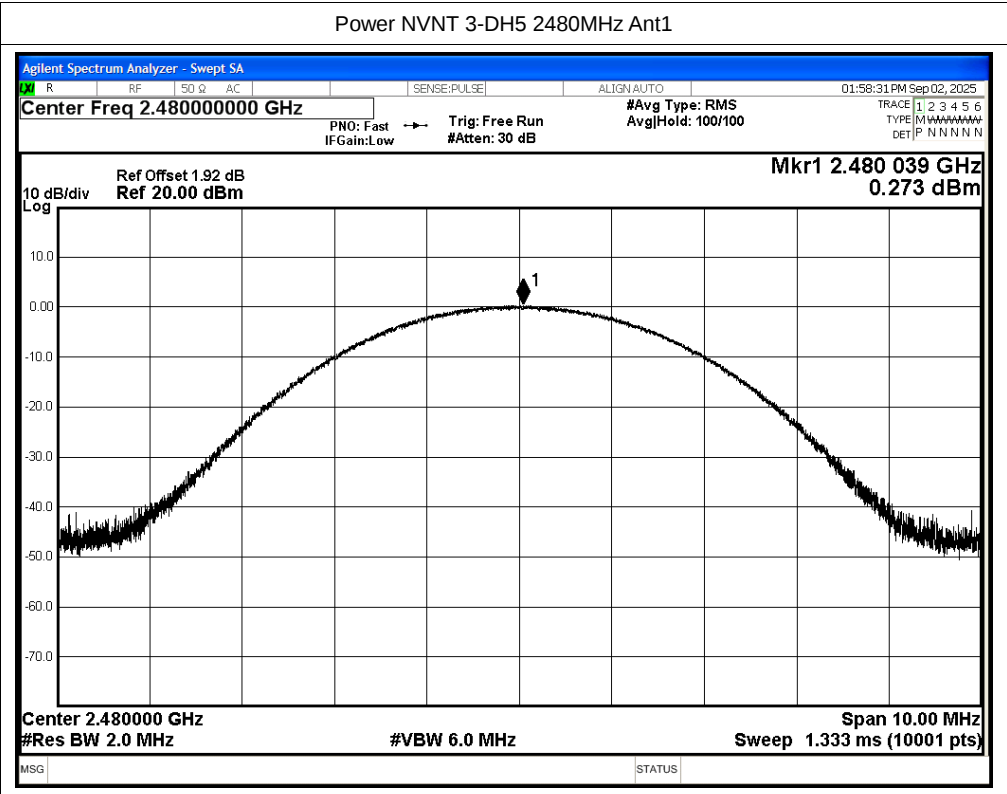
Power NVNT 1-DH5 2441MHz Ant1





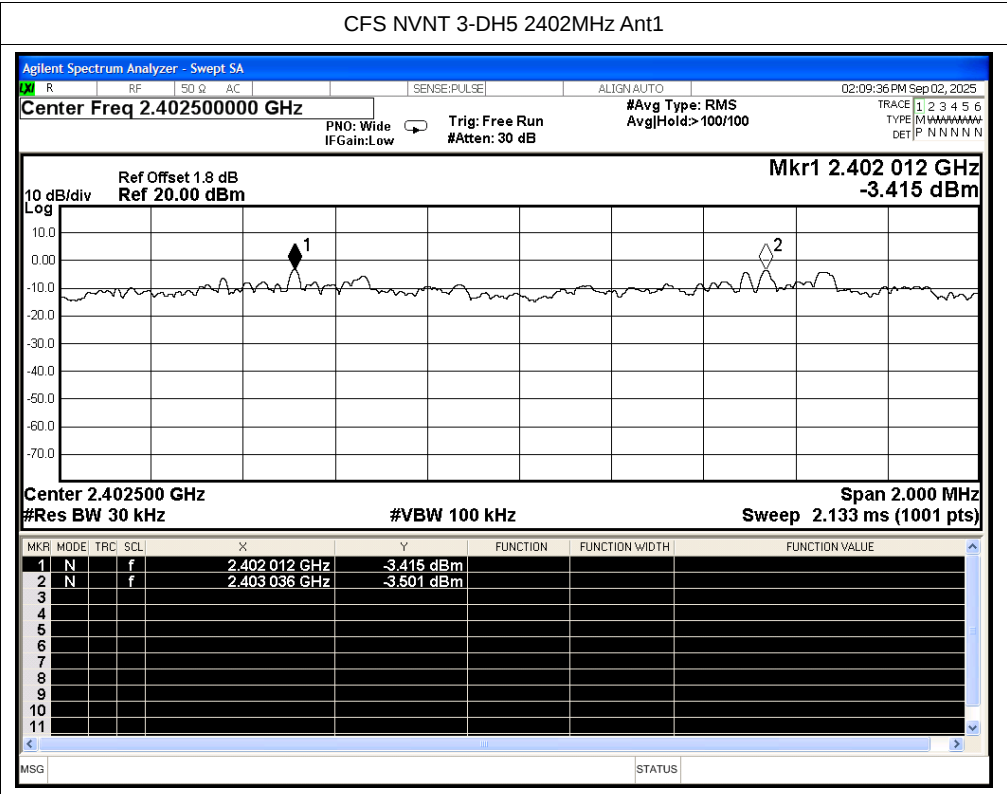






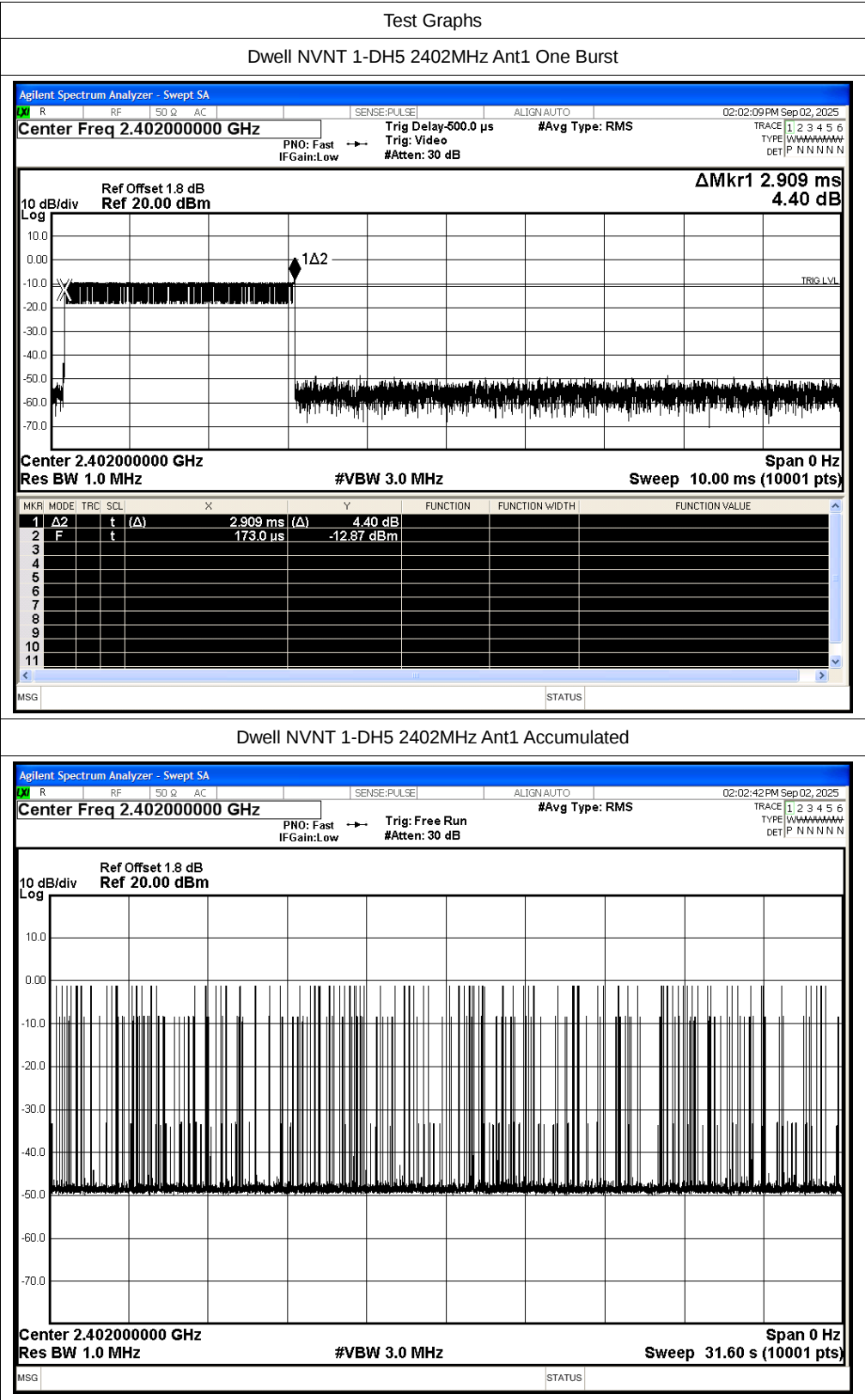
A.3 Carrier Frequencies Separation

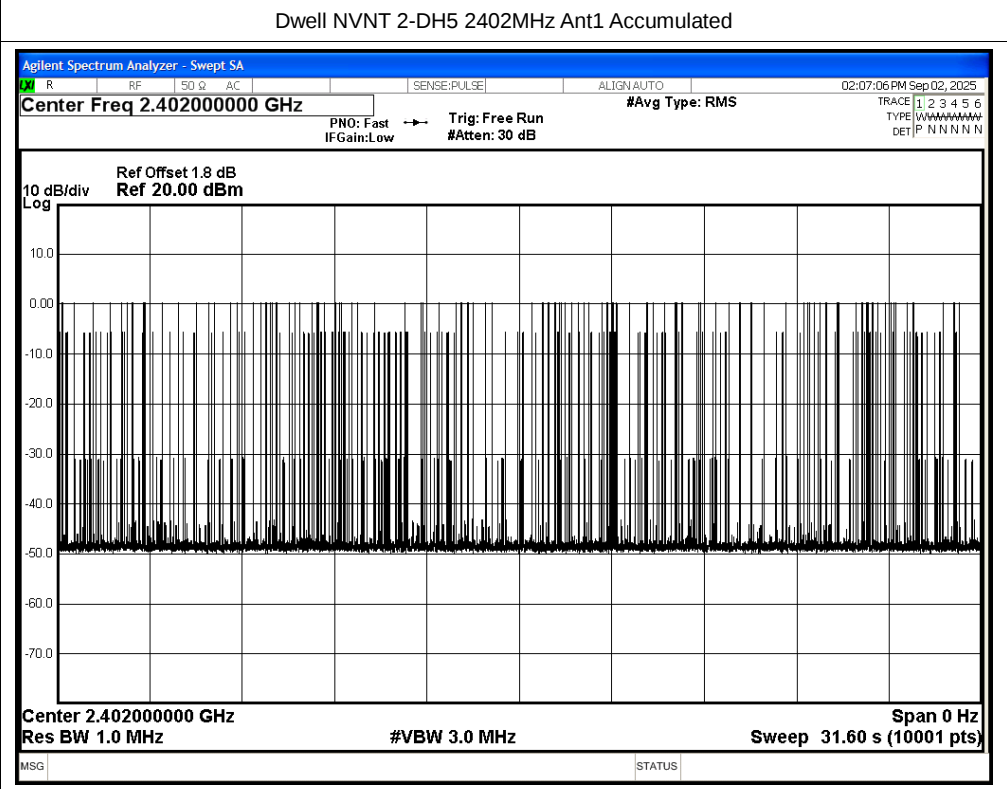
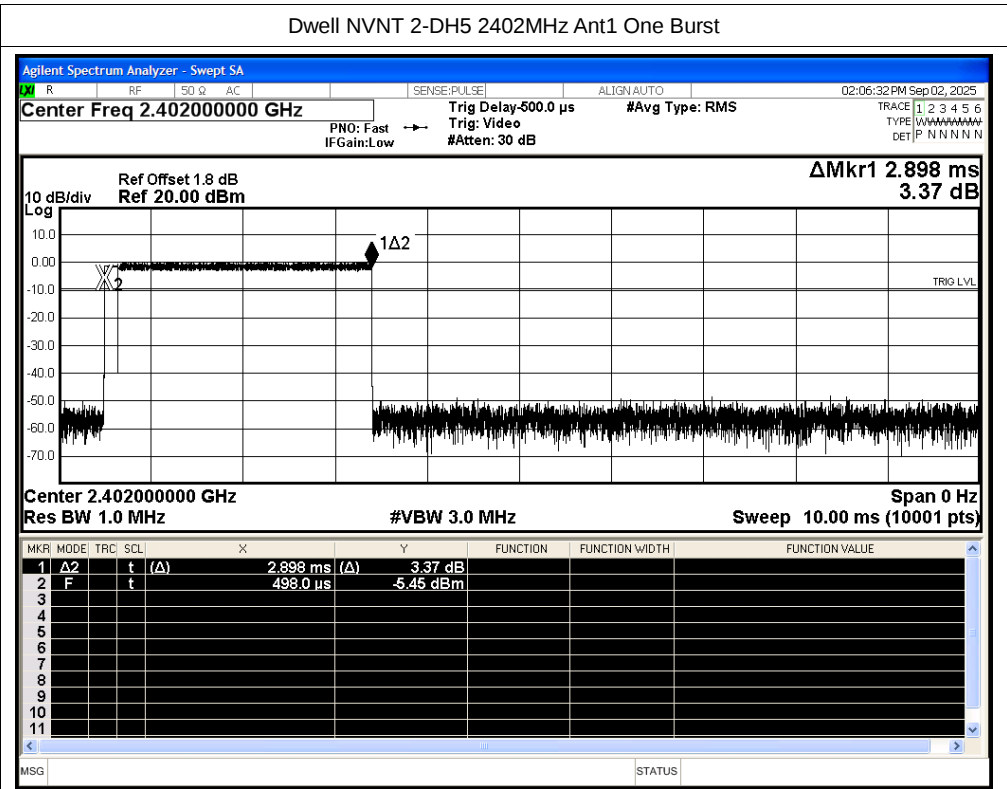
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.828	2402.842	1.014	0.667	Pass
NVNT	2-DH5	Ant1	2402.03	2403	0.97	0.854	Pass
NVNT	3-DH5	Ant1	2402.012	2403.036	1.024	0.866	Pass

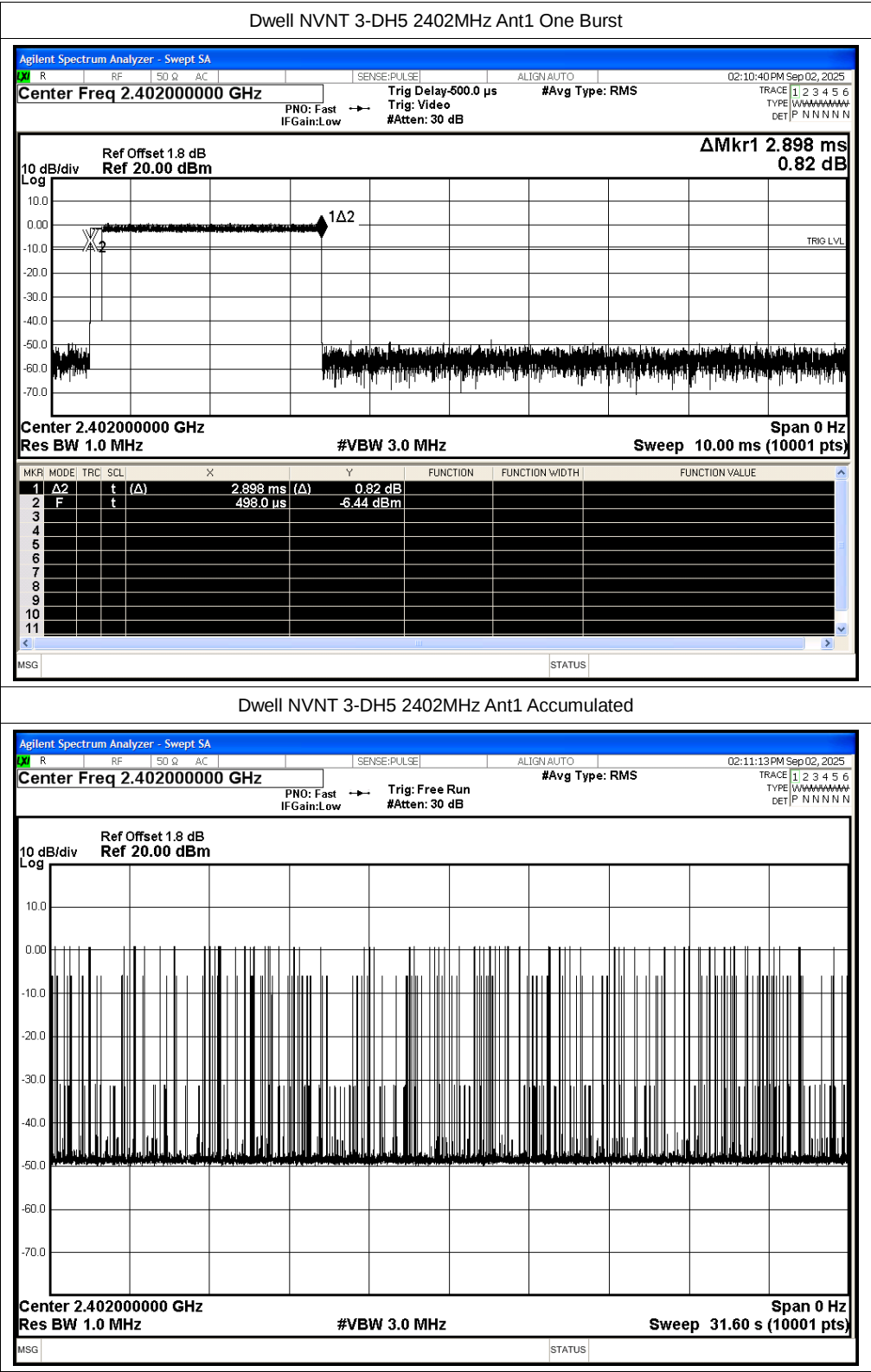


A.4 Dwell Time

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	333.27	115	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.898	263.718	91	31600	400	Pass

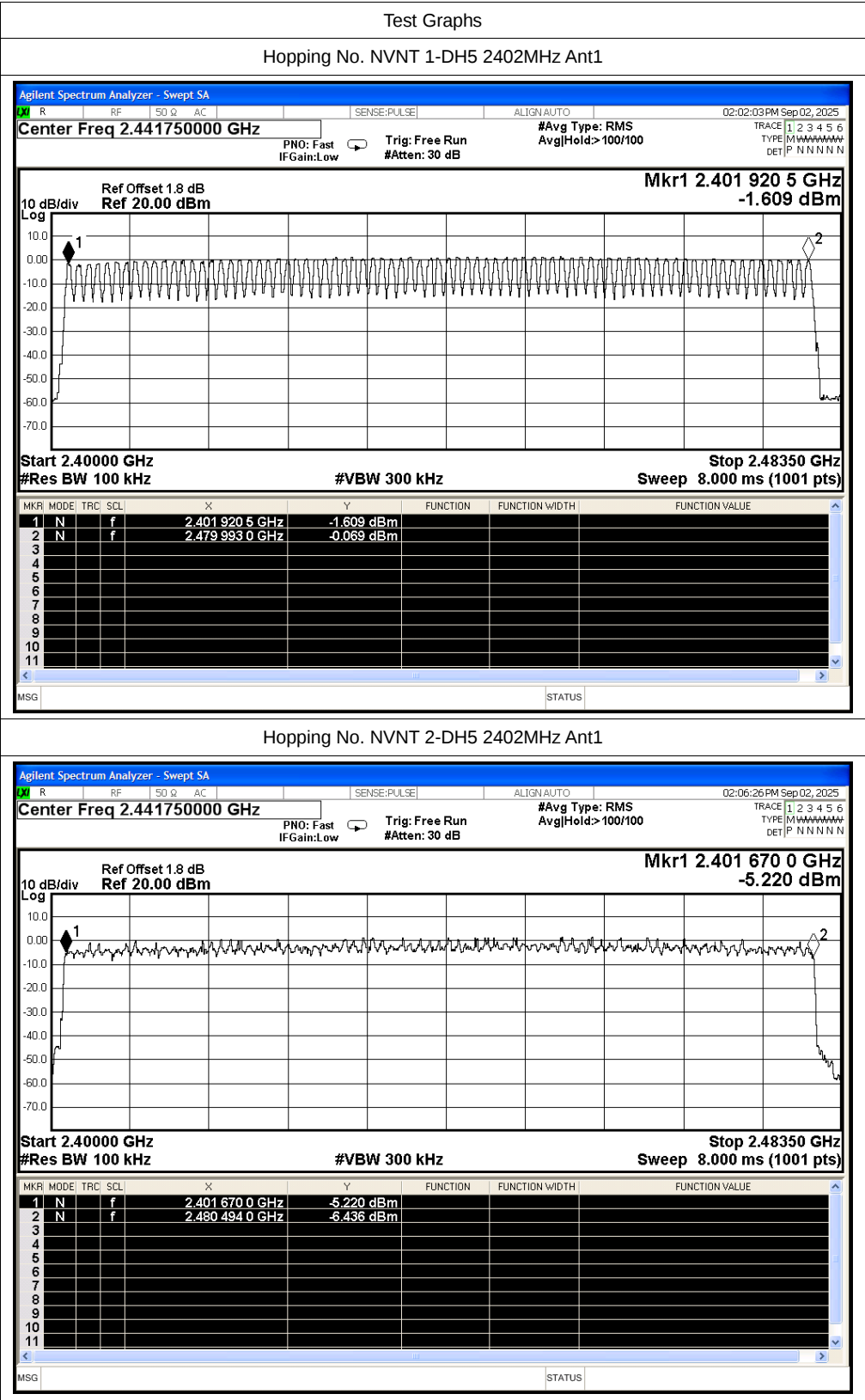


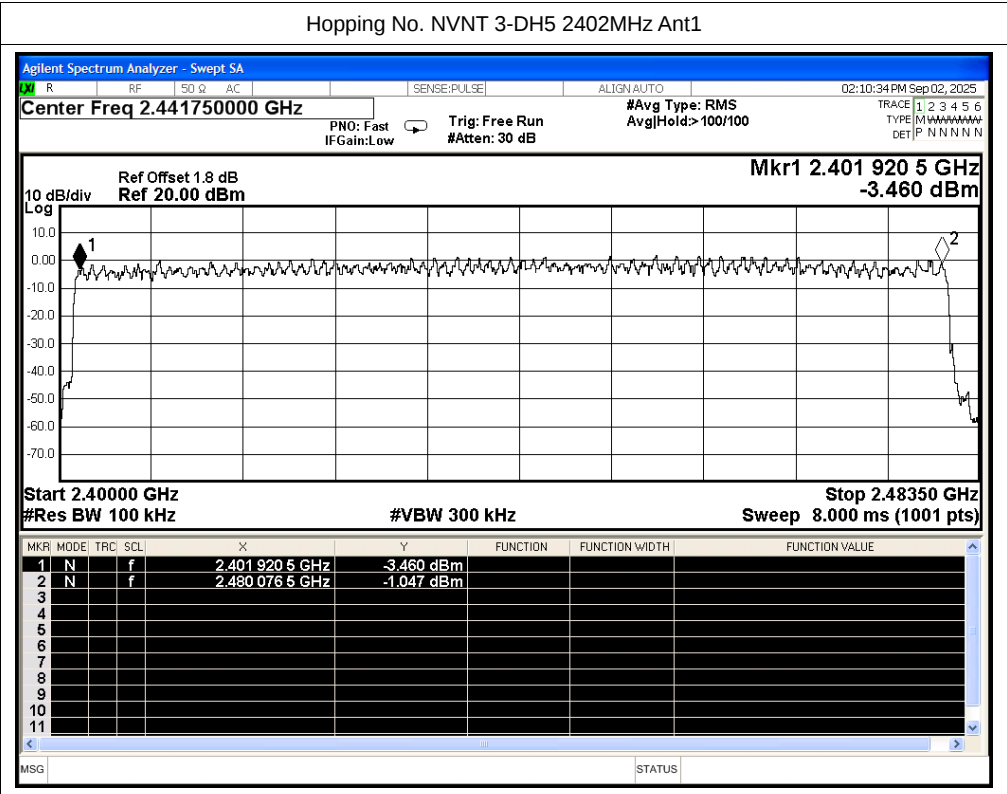




A.5 Number of Hopping Channel

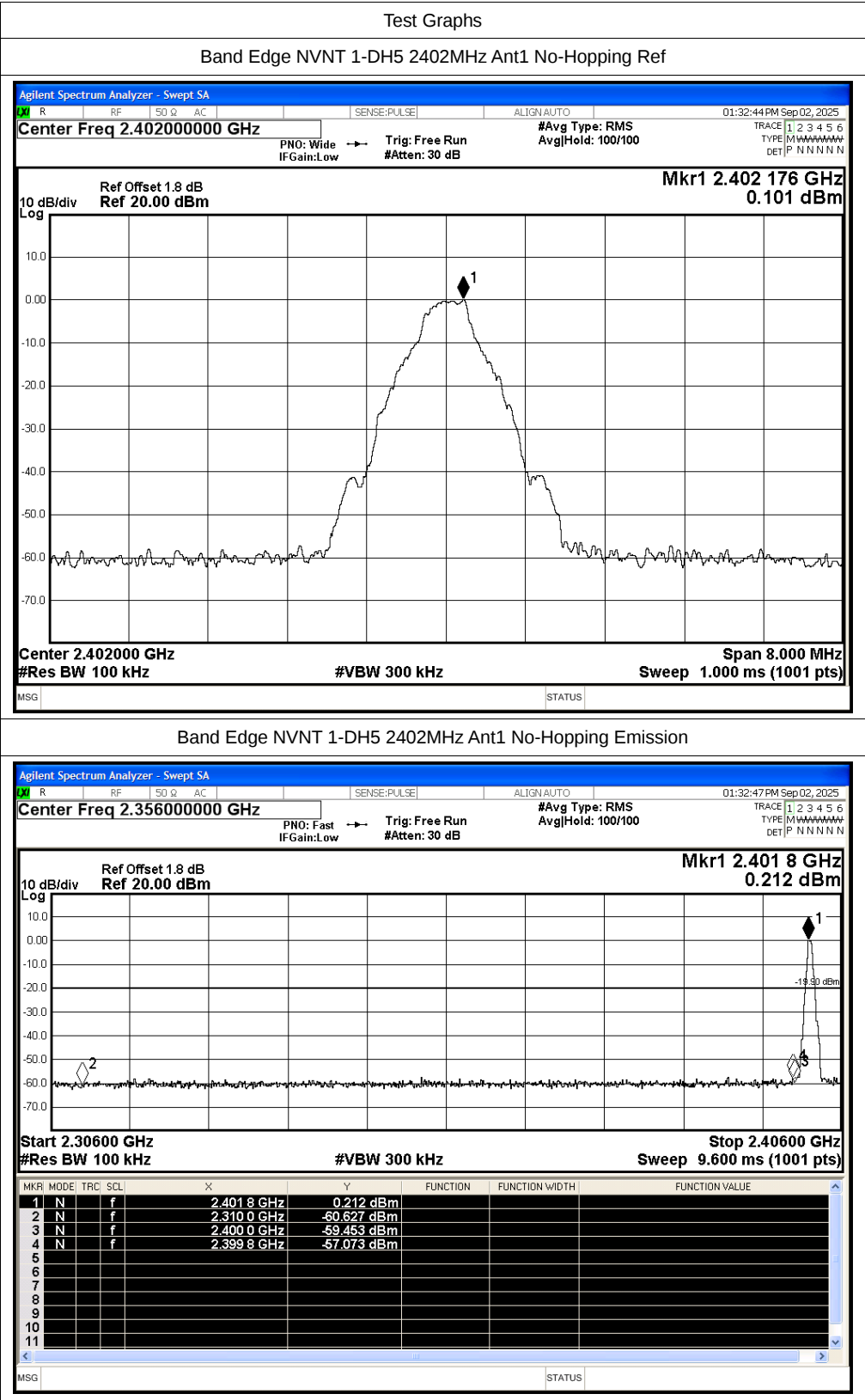
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

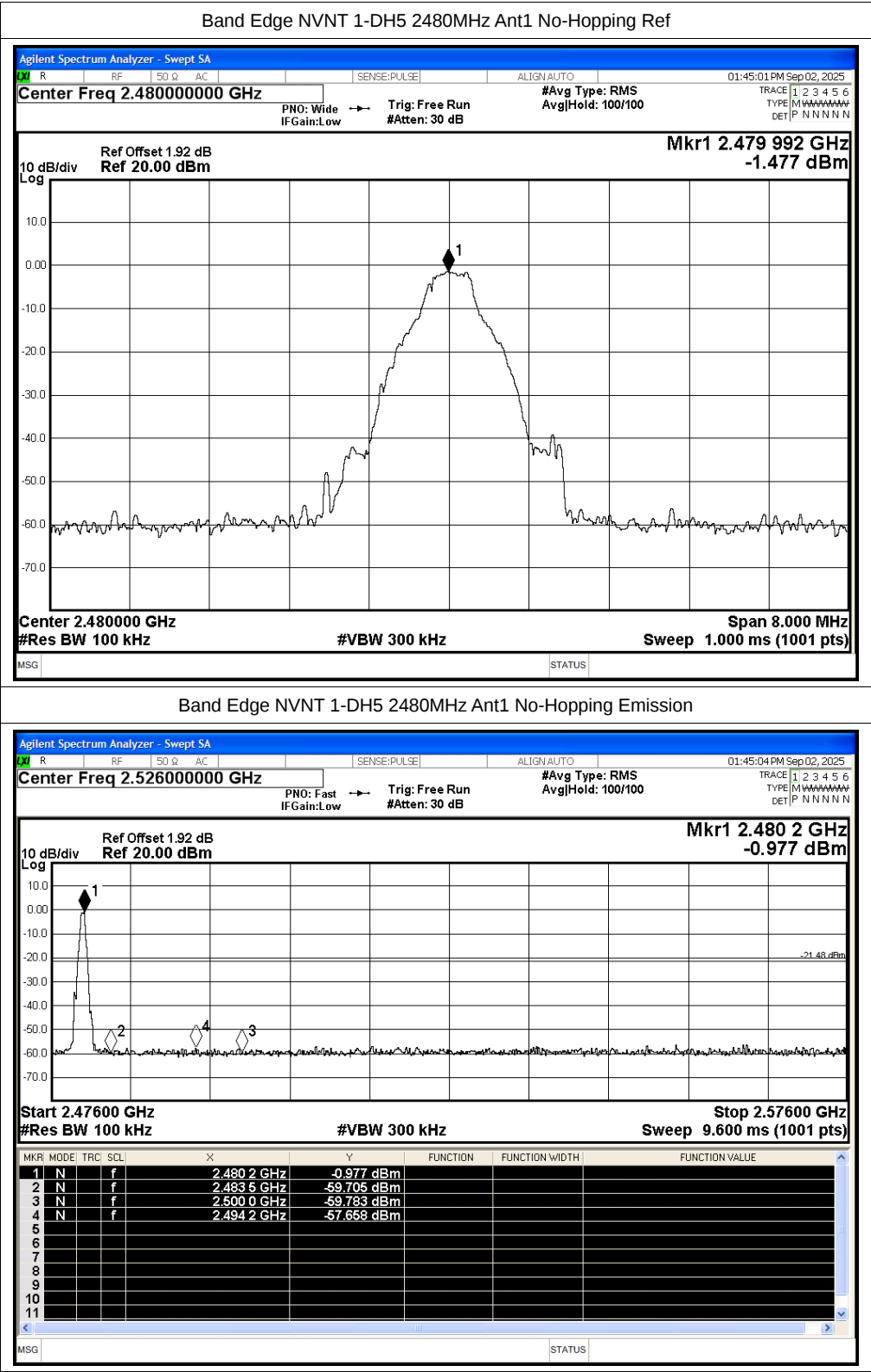


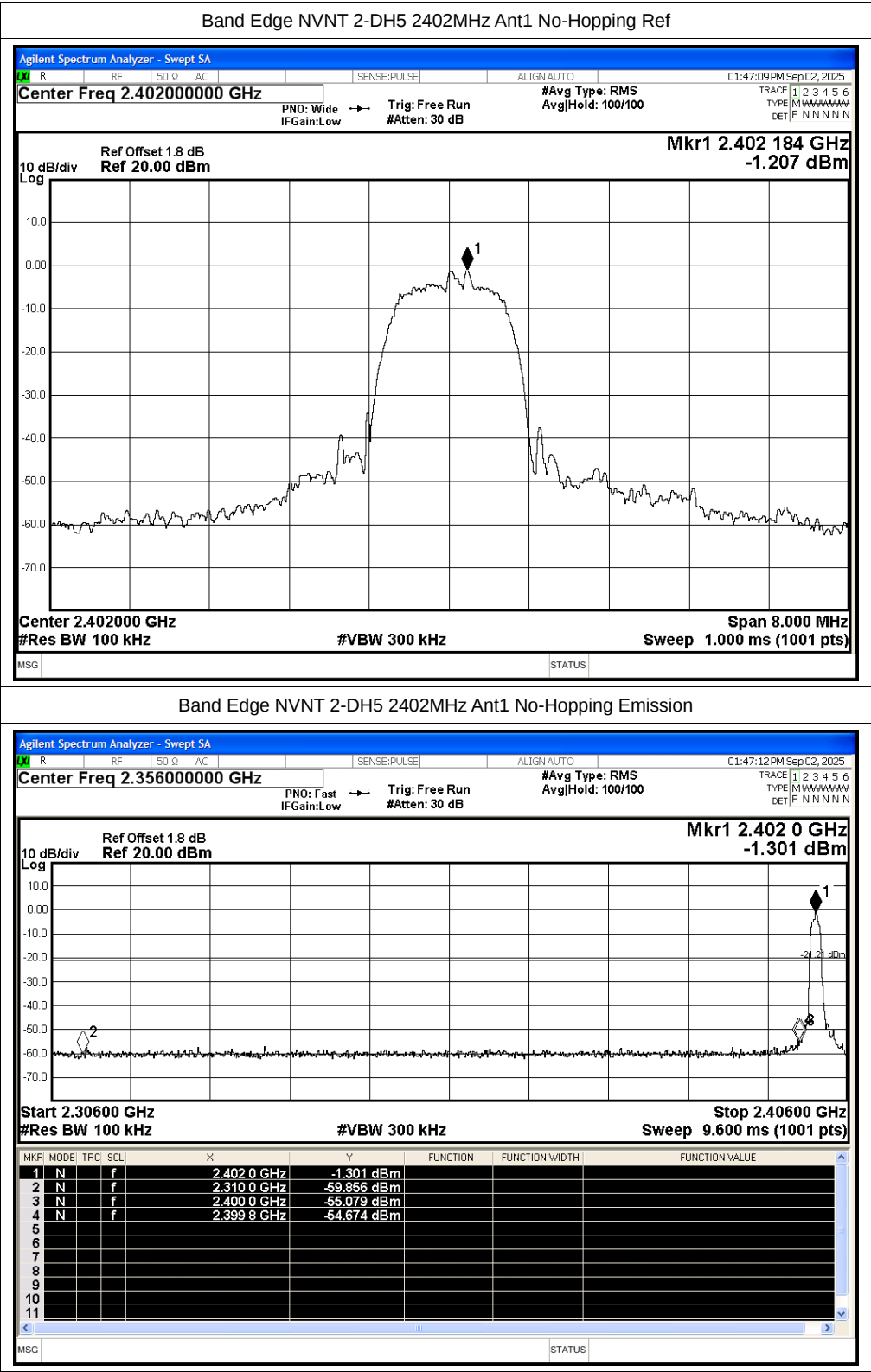


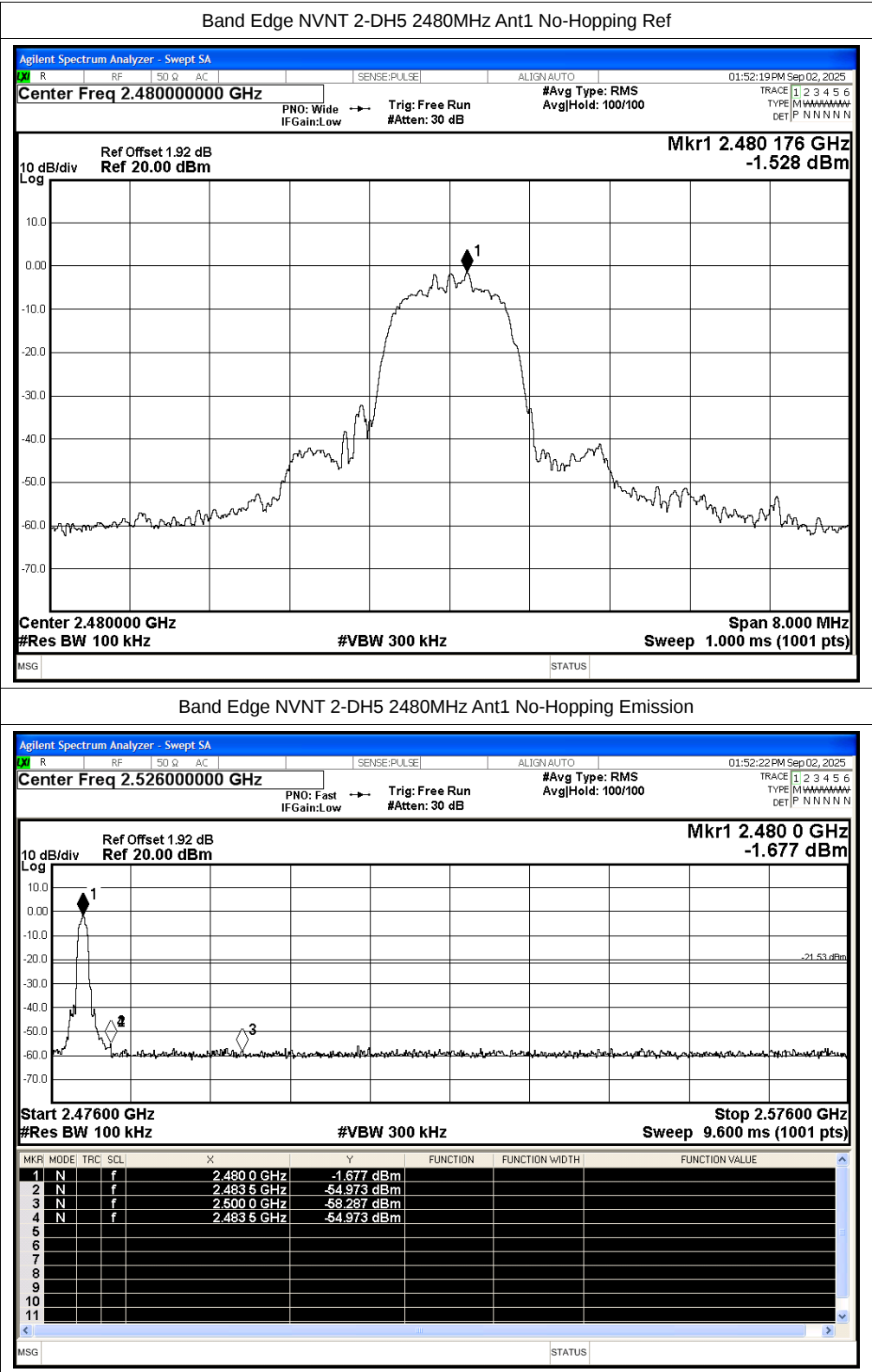
A.6 Band Edge

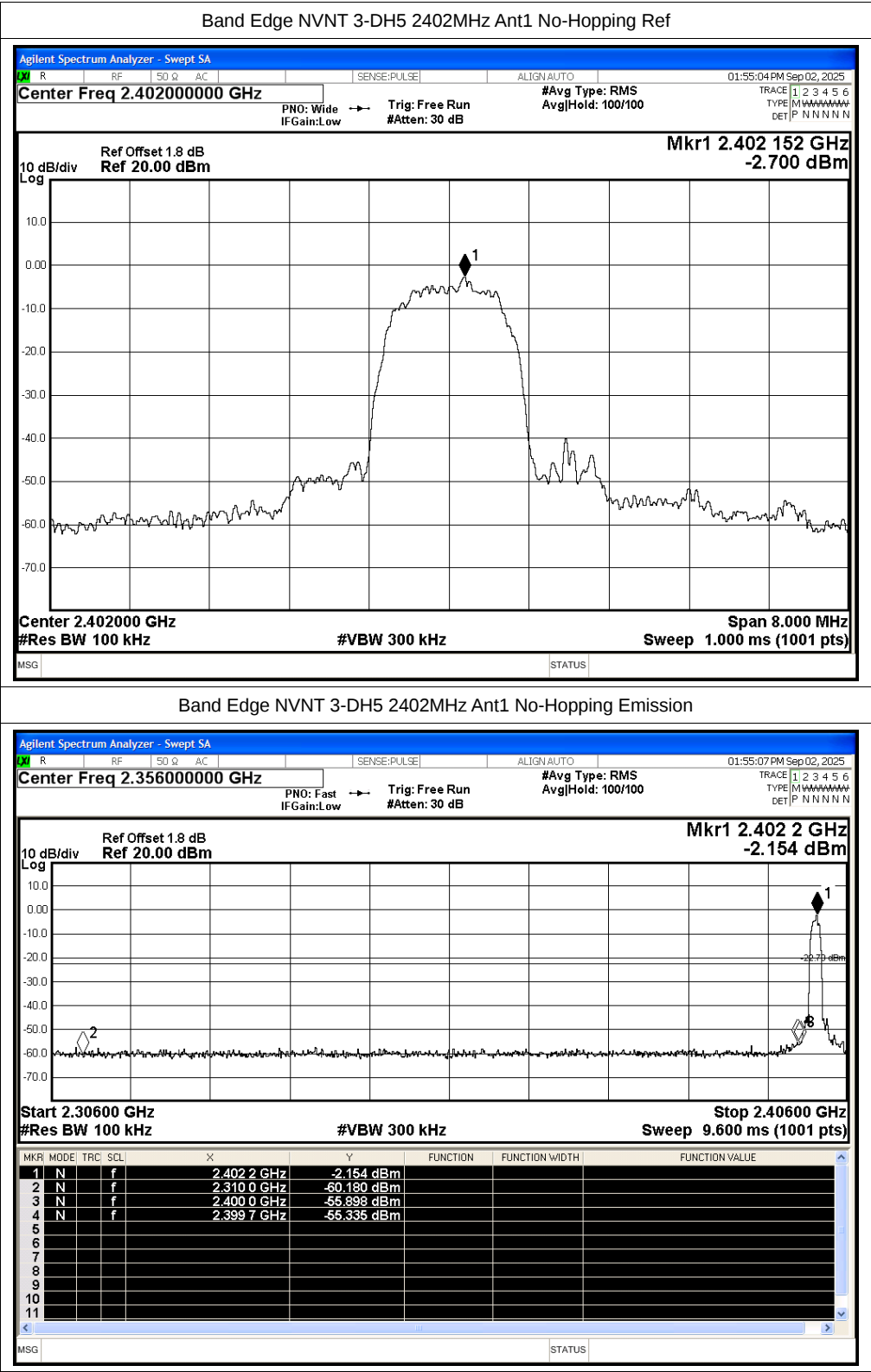
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-57.17	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.18	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.47	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.45	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.64	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.3	-20	Pass

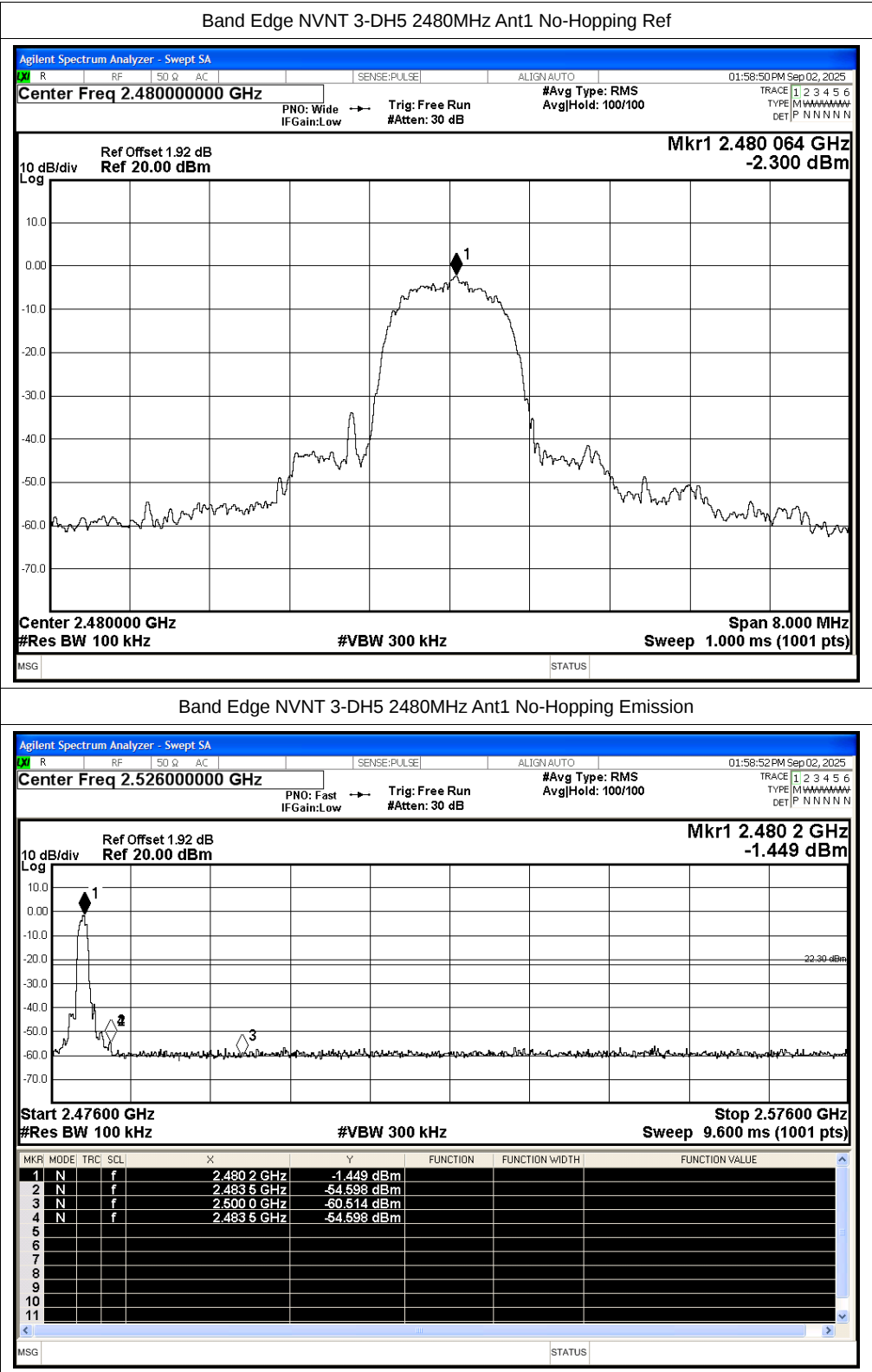






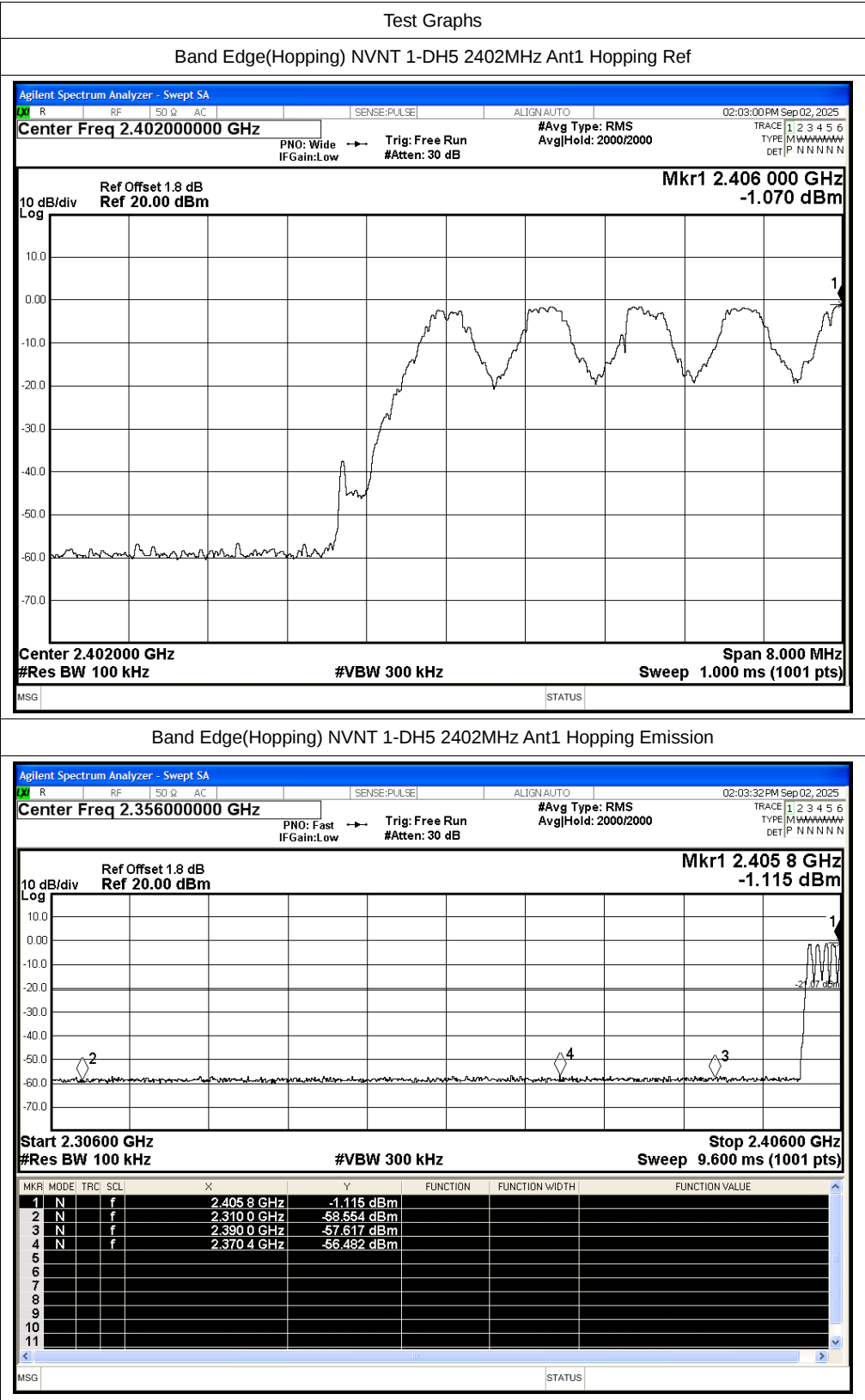


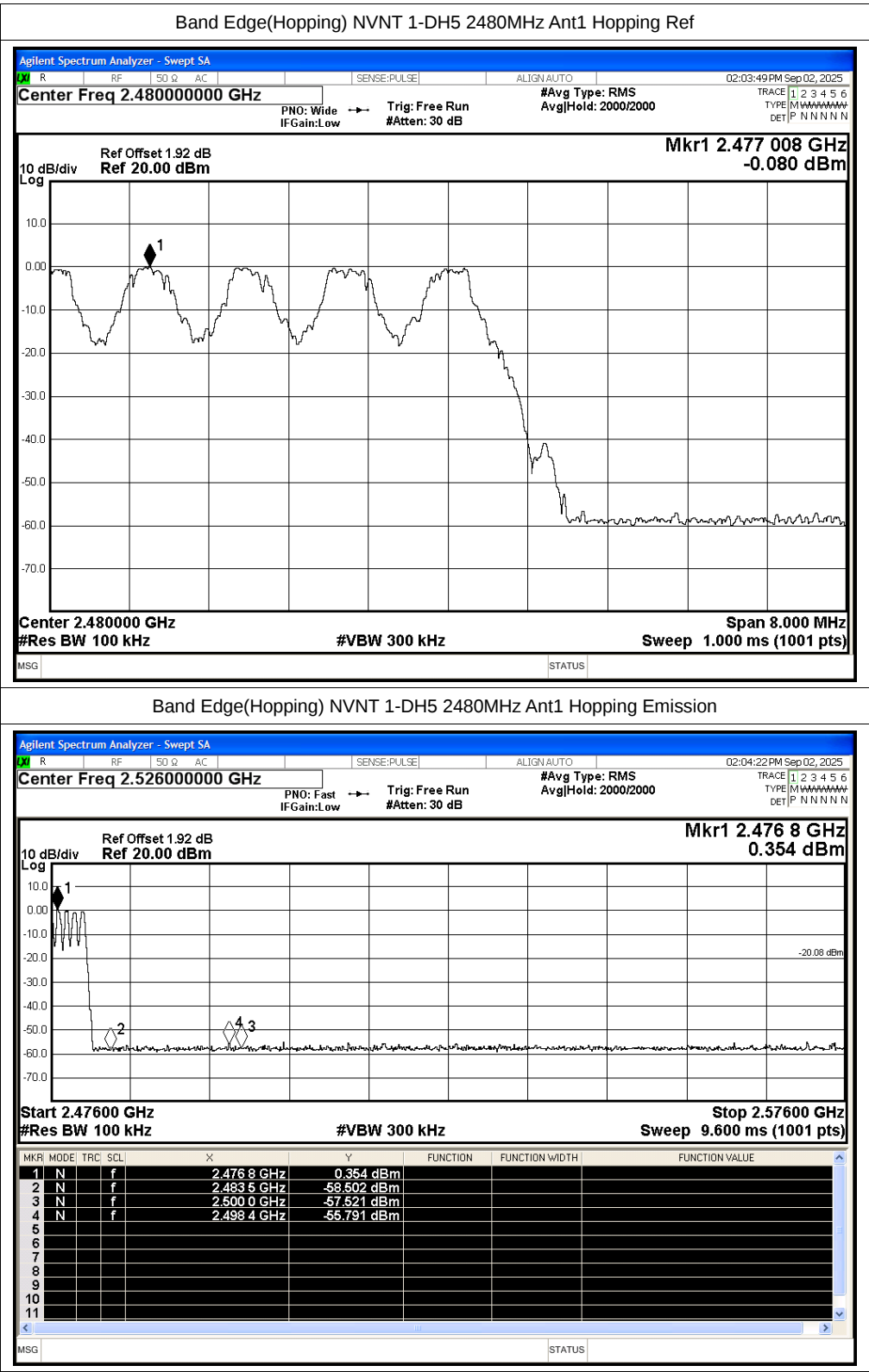


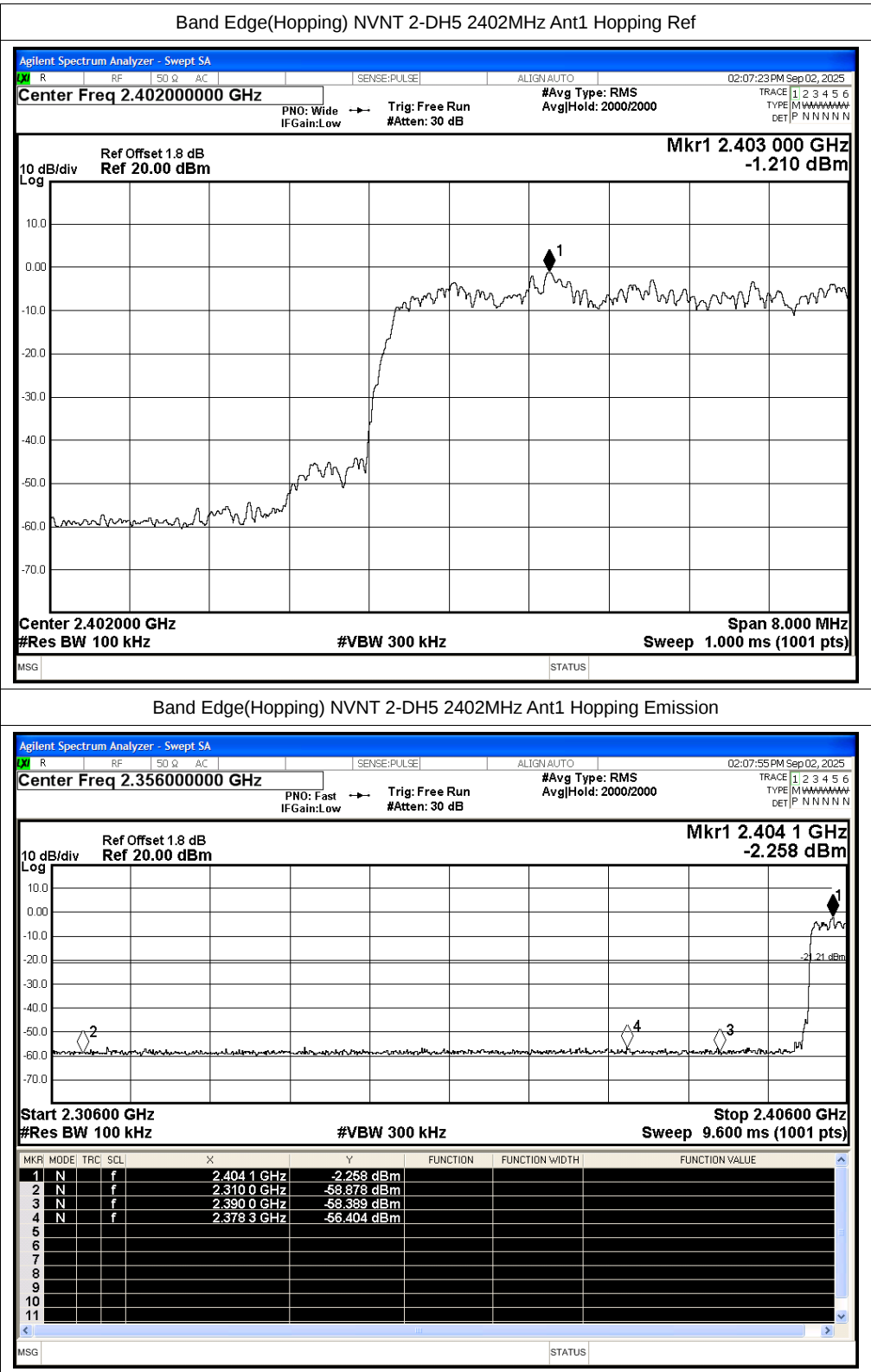


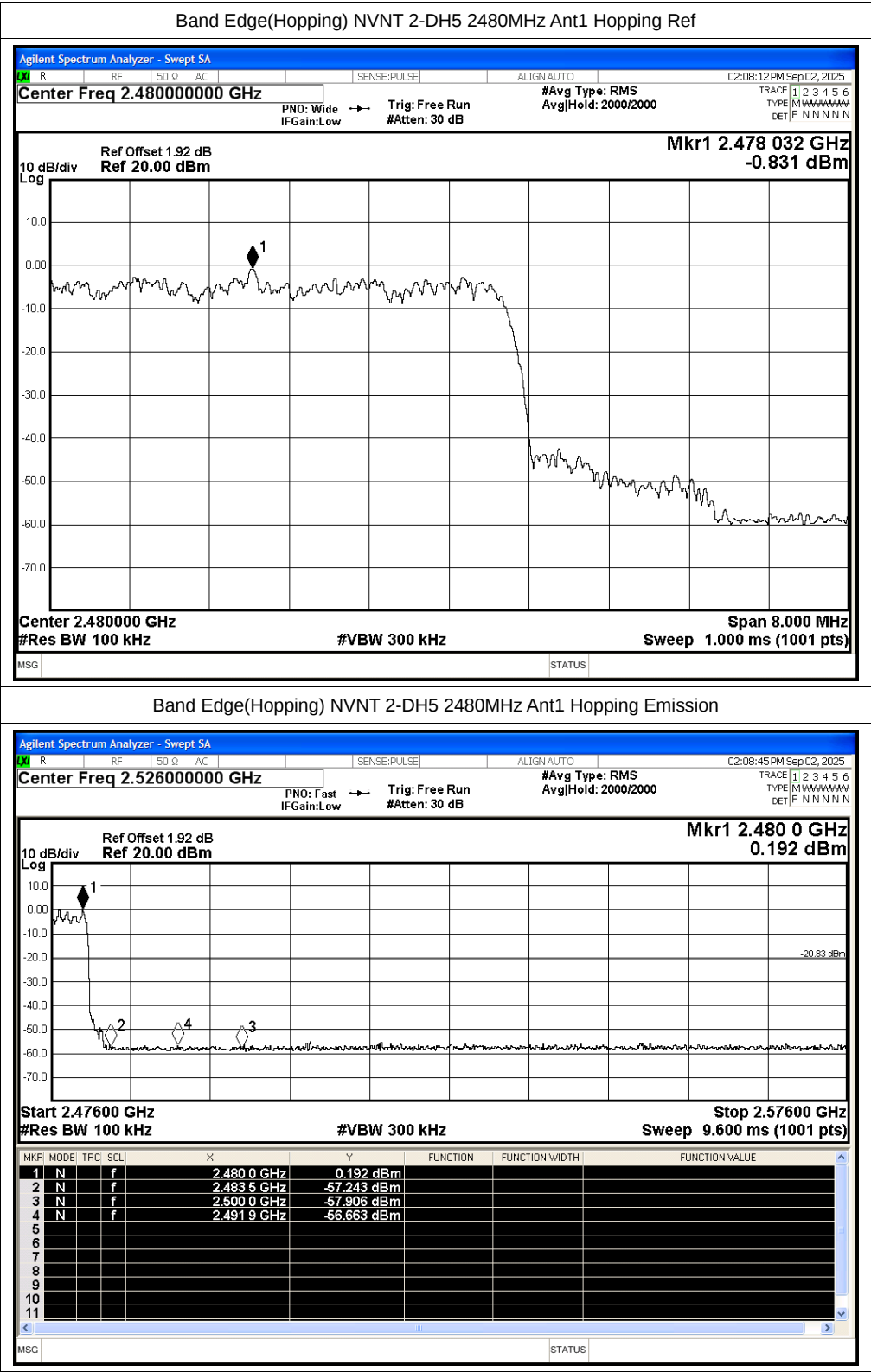
(Hopping)

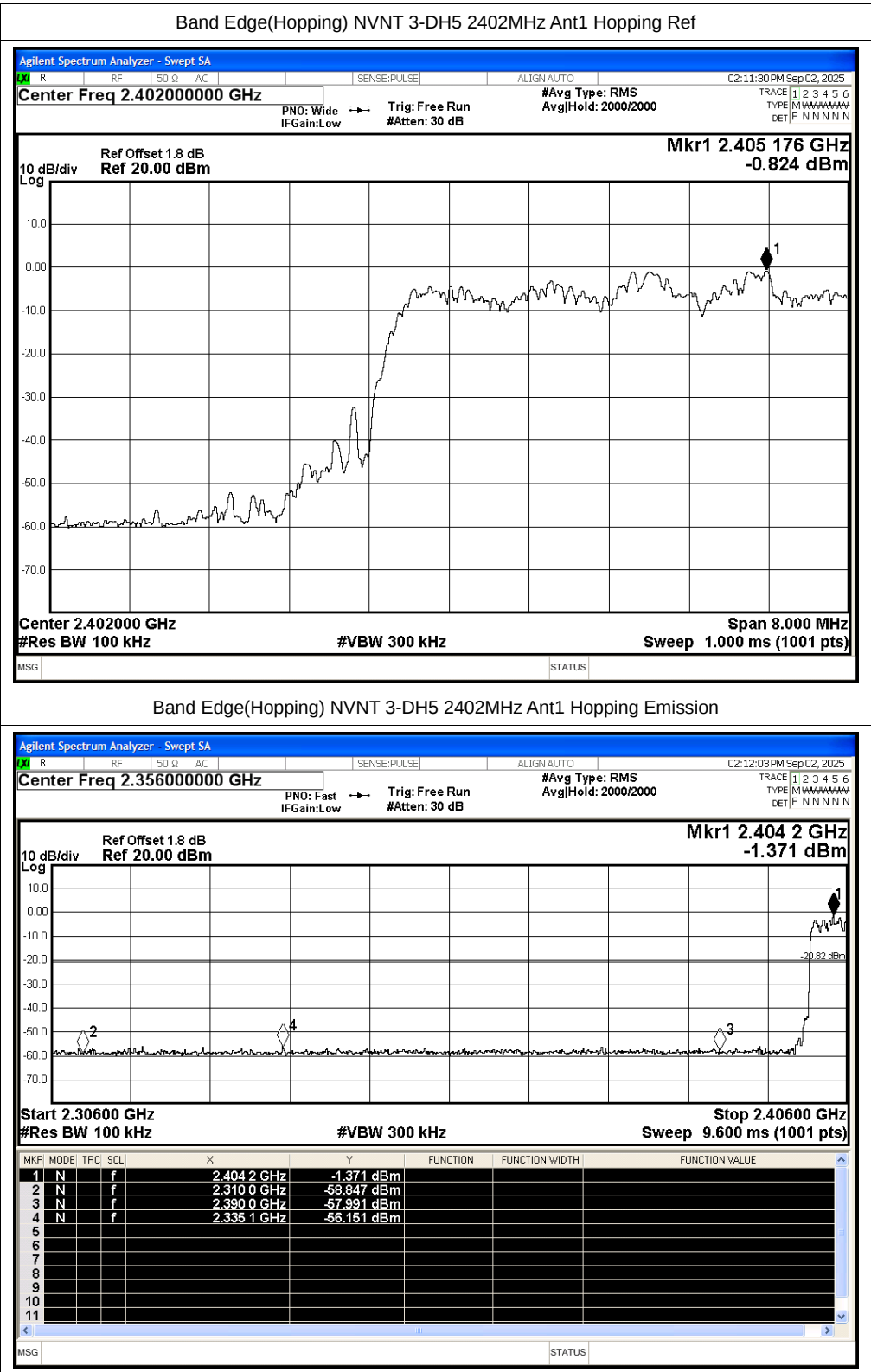
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.41	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.71	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.19	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.83	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.33	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-55.61	-20	Pass

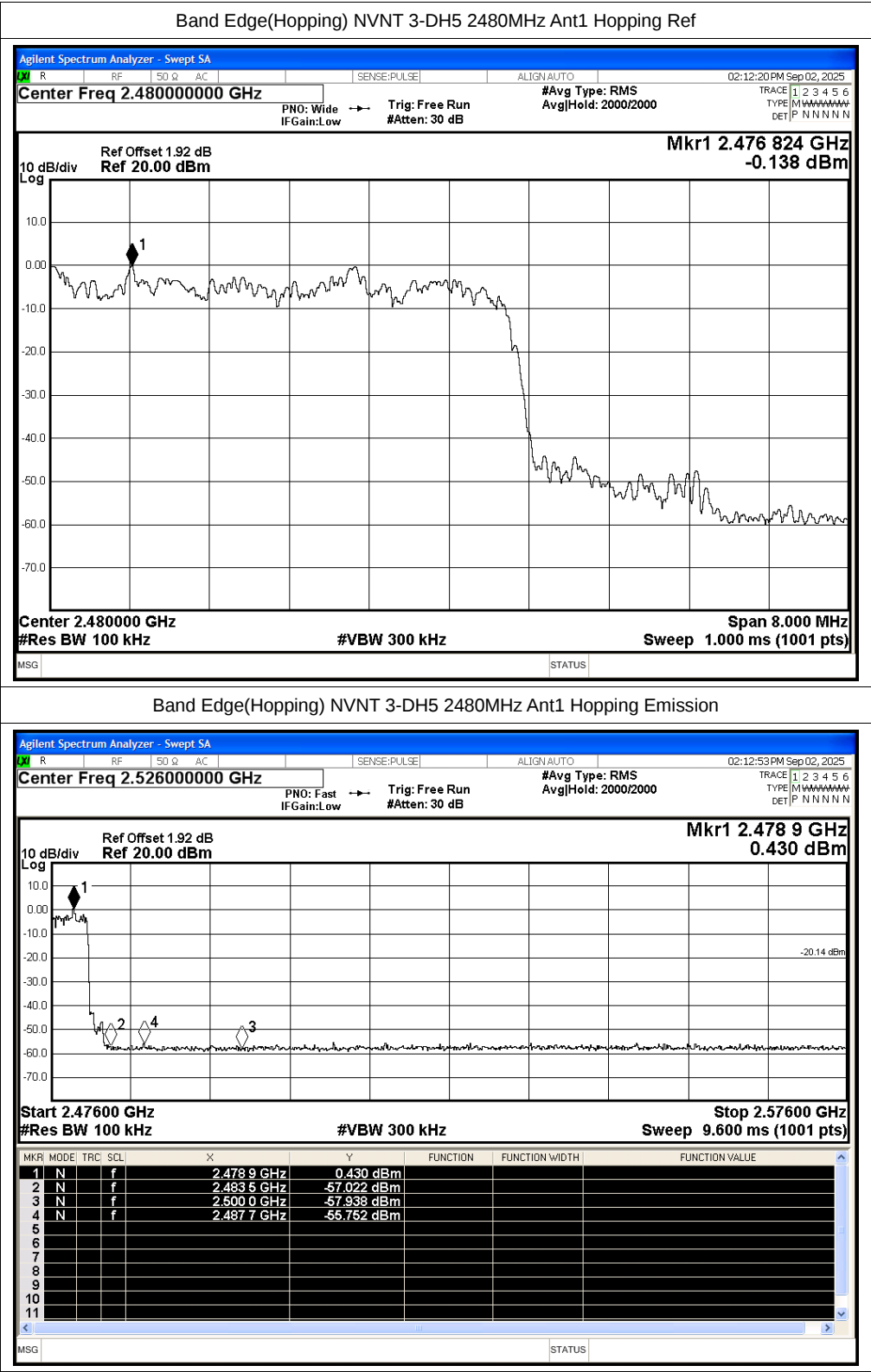






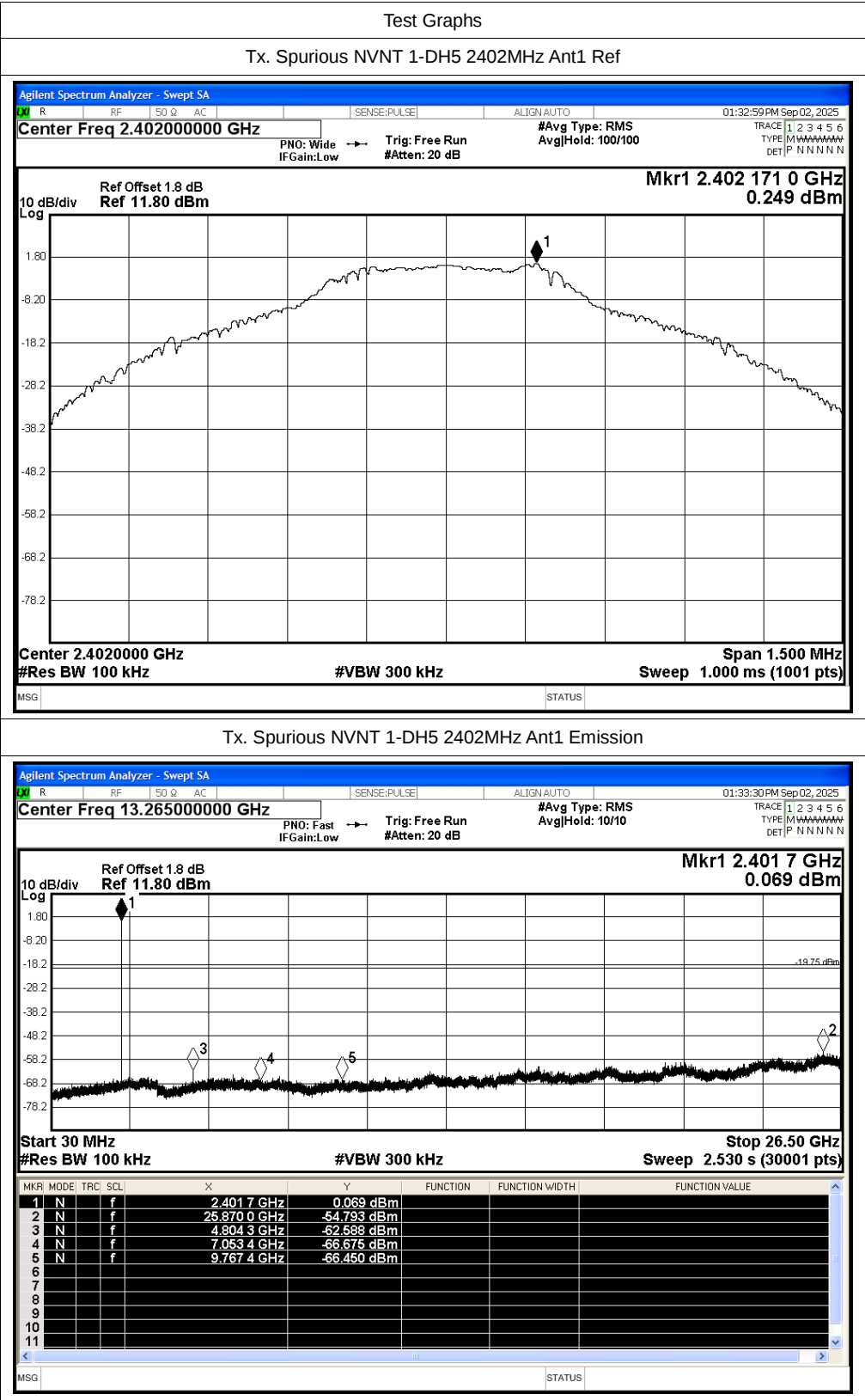


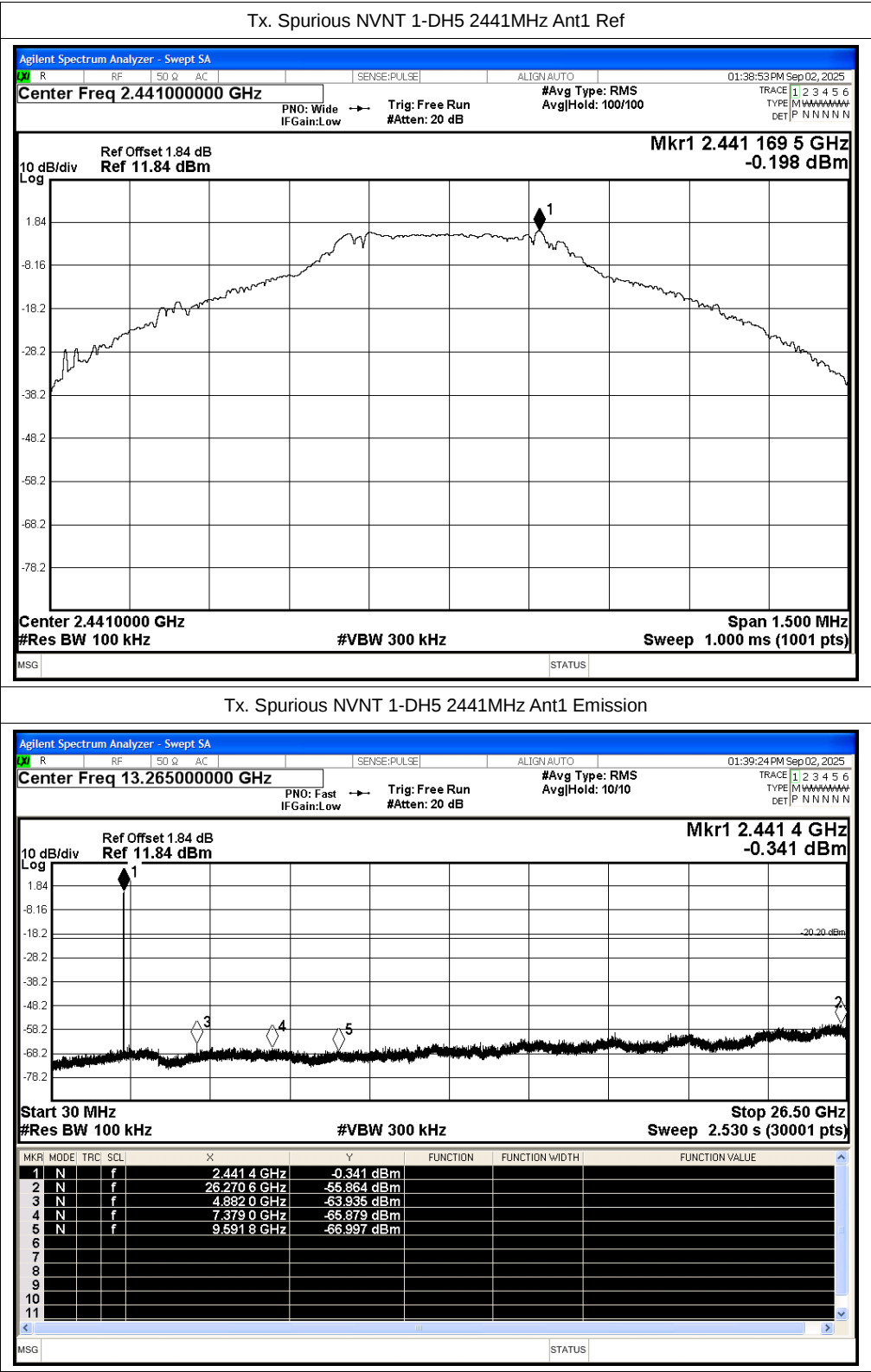


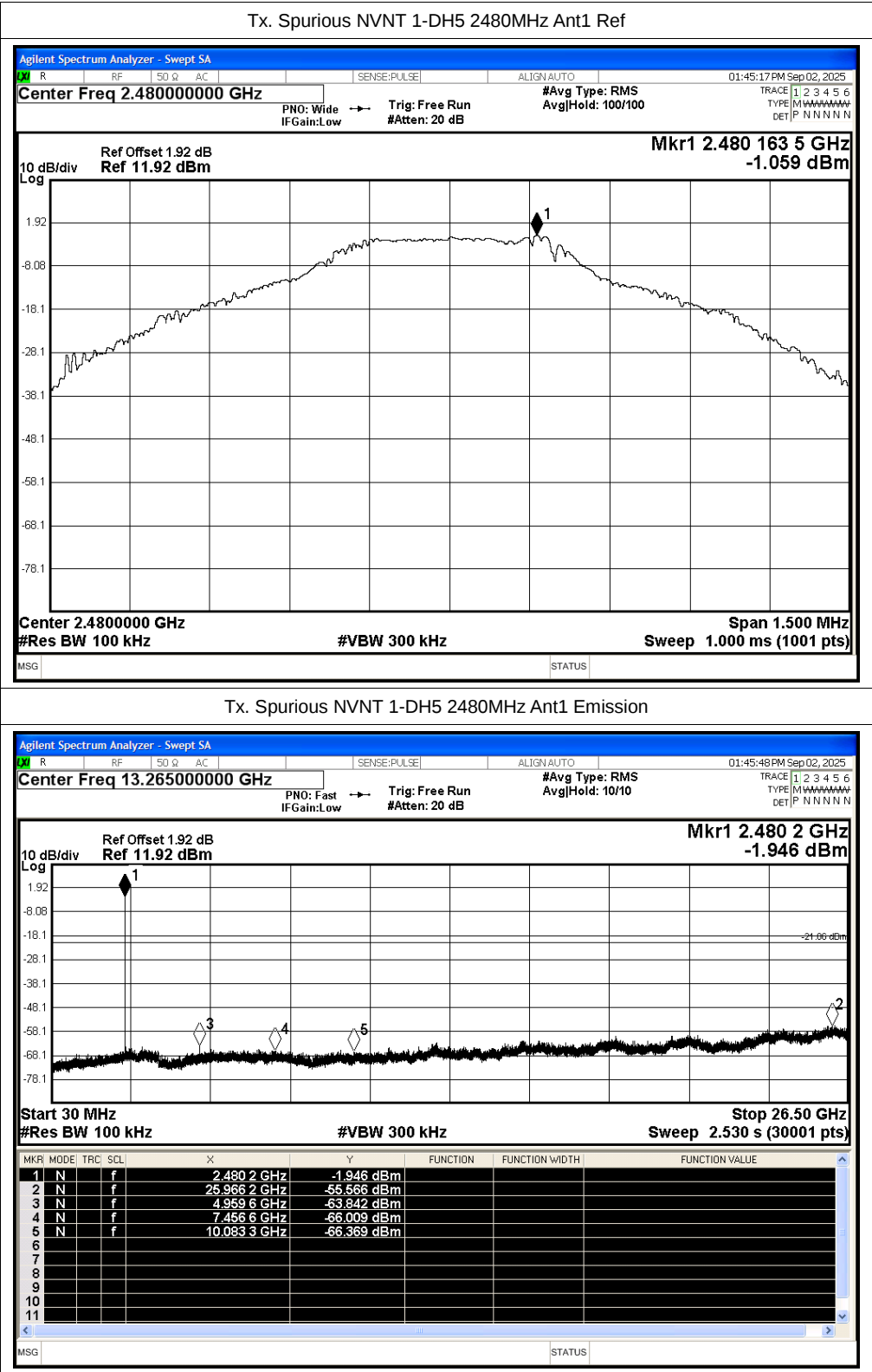


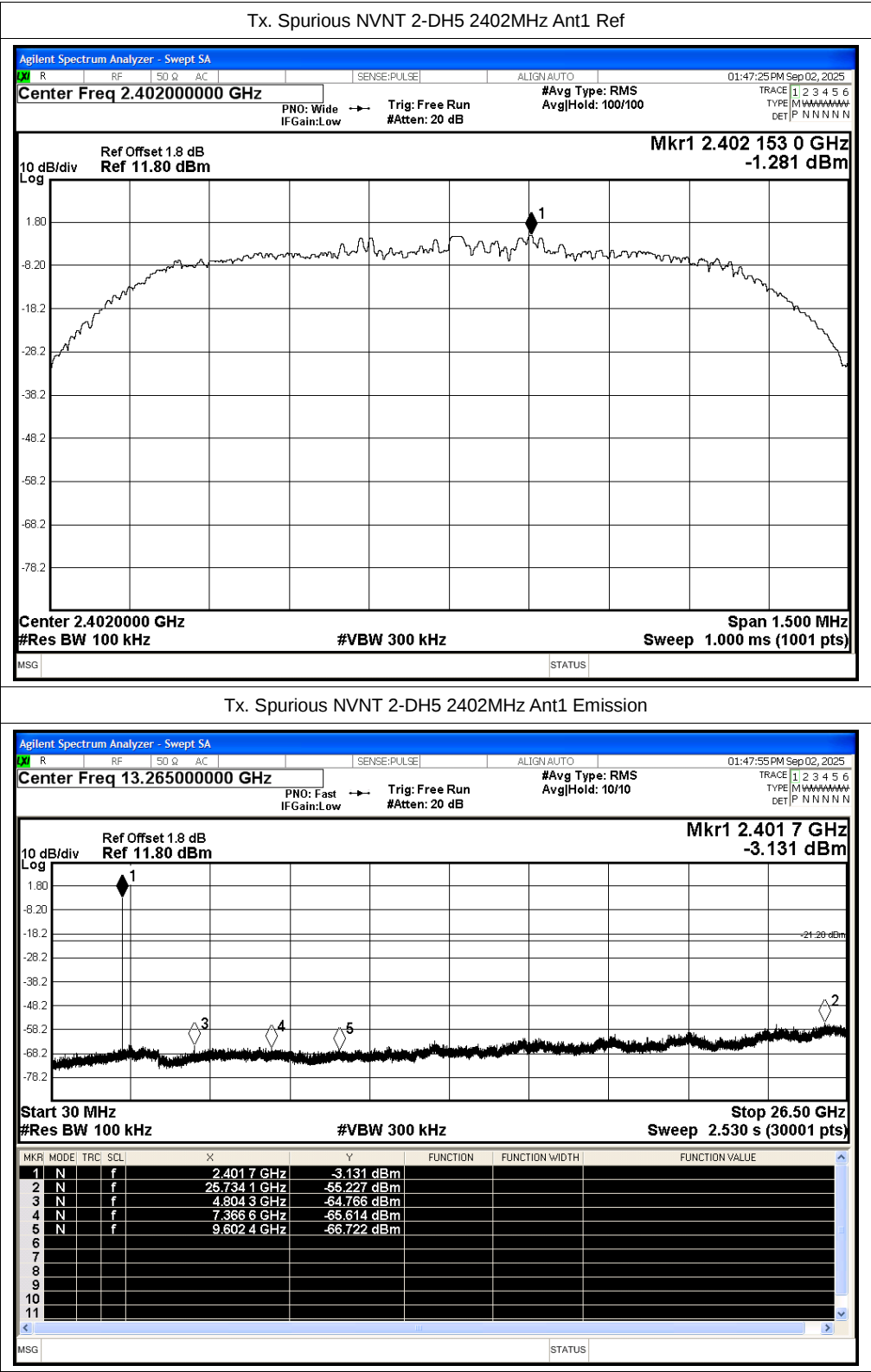
A.7 Conducted RF Spurious Emission

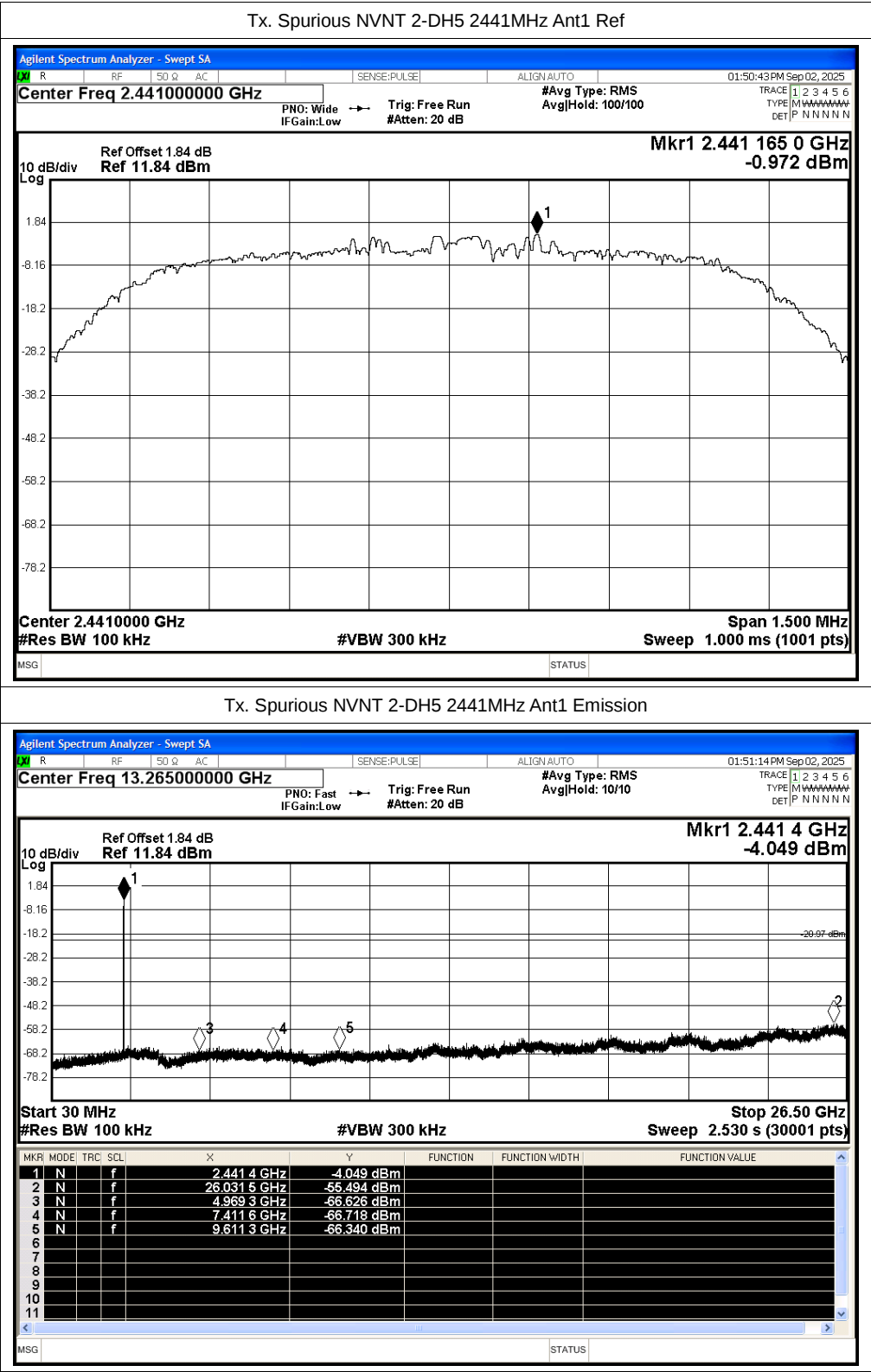
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-55.04	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.67	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.51	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.95	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.52	-20	Pass
NVNT	2-DH5	2480	Ant1	-52.93	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.97	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.78	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.63	-20	Pass

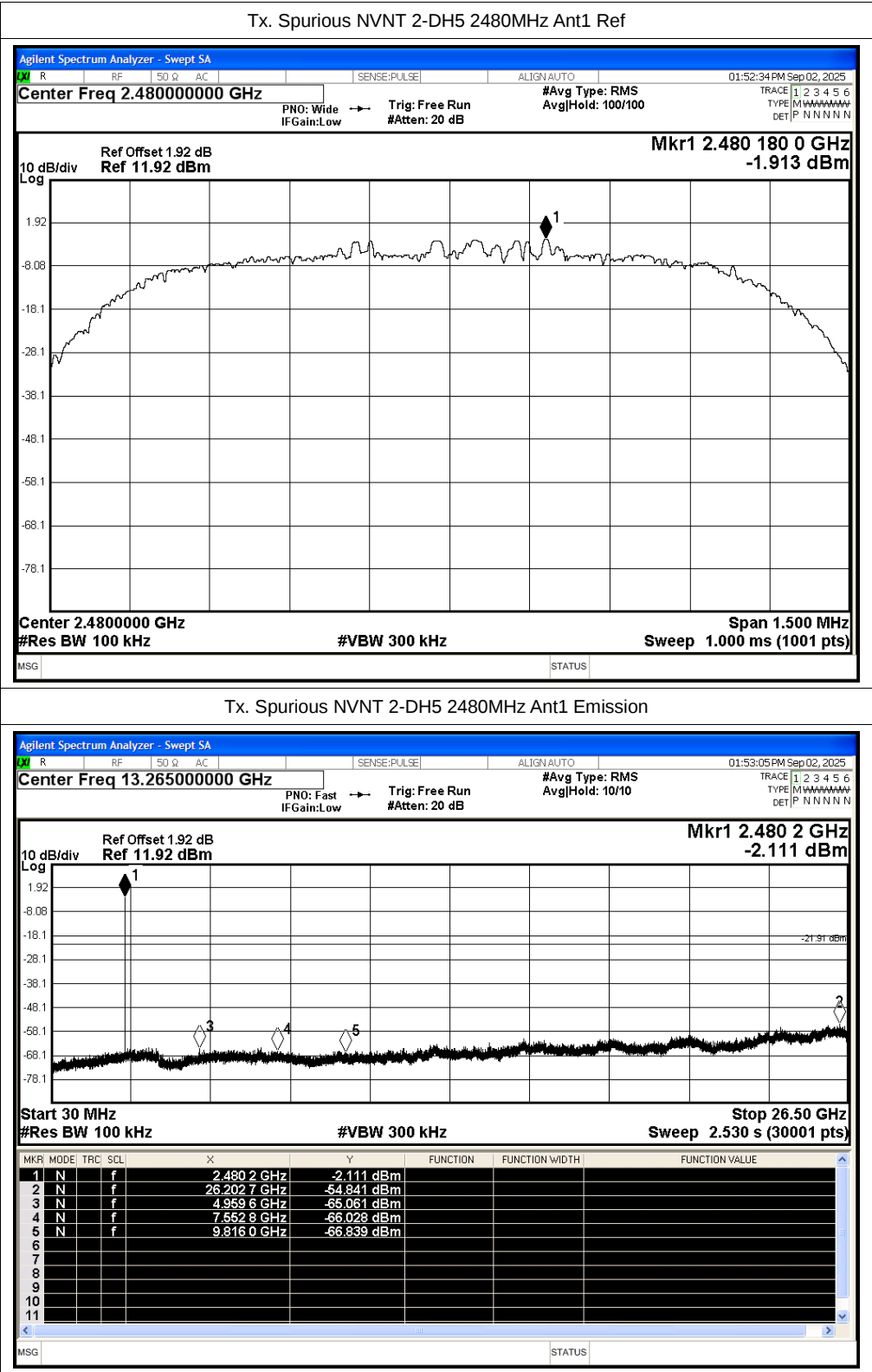


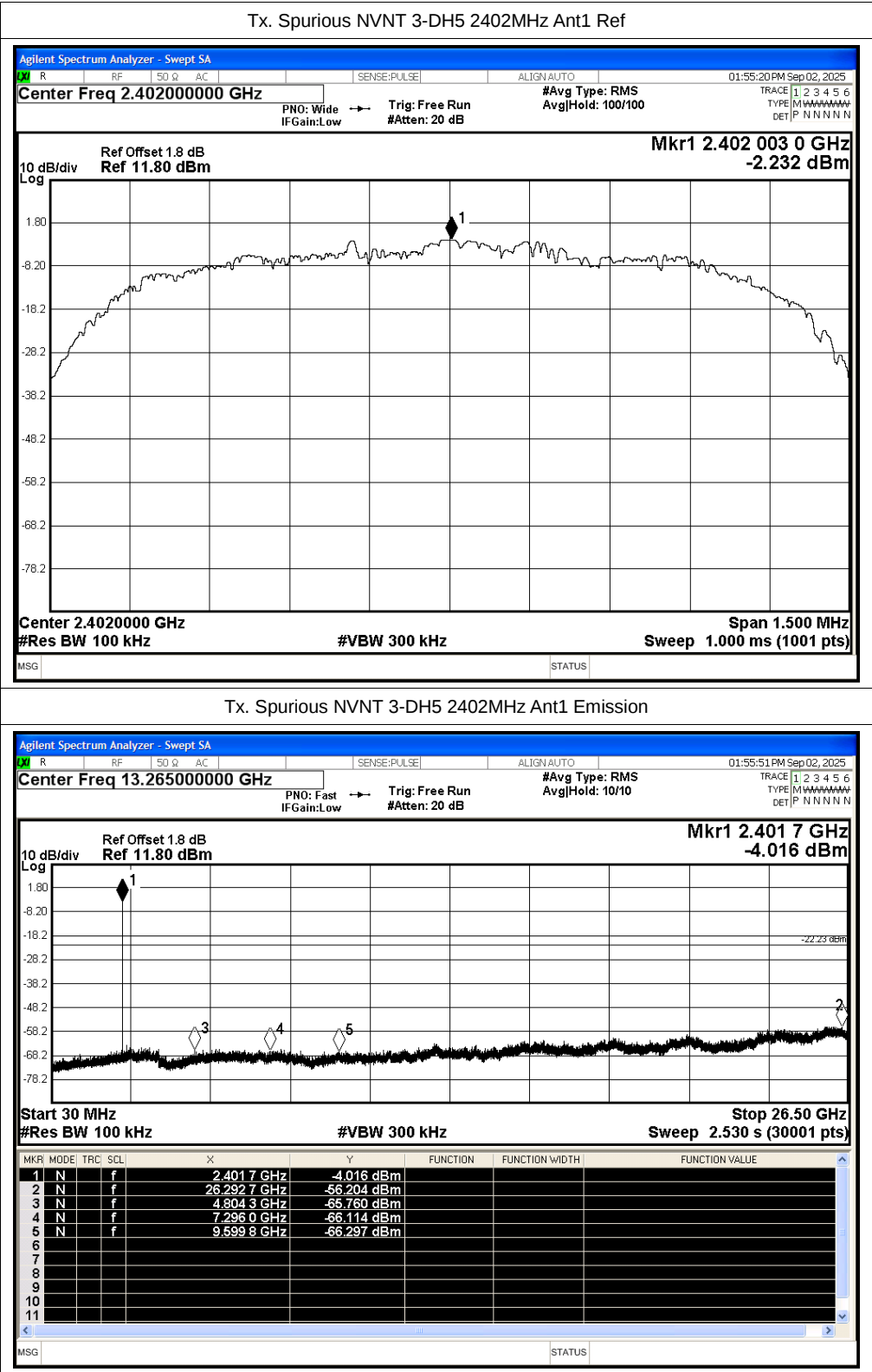


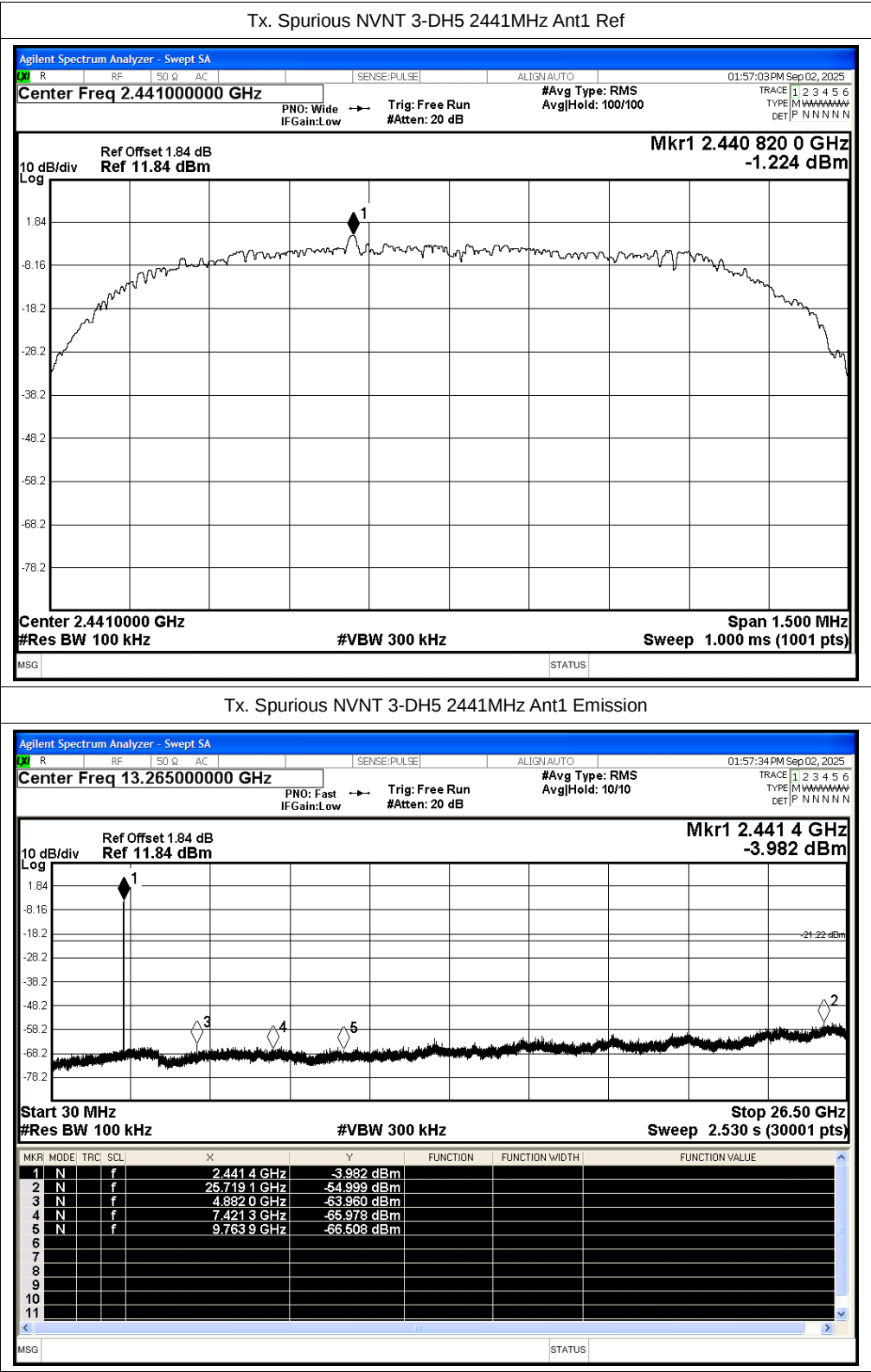


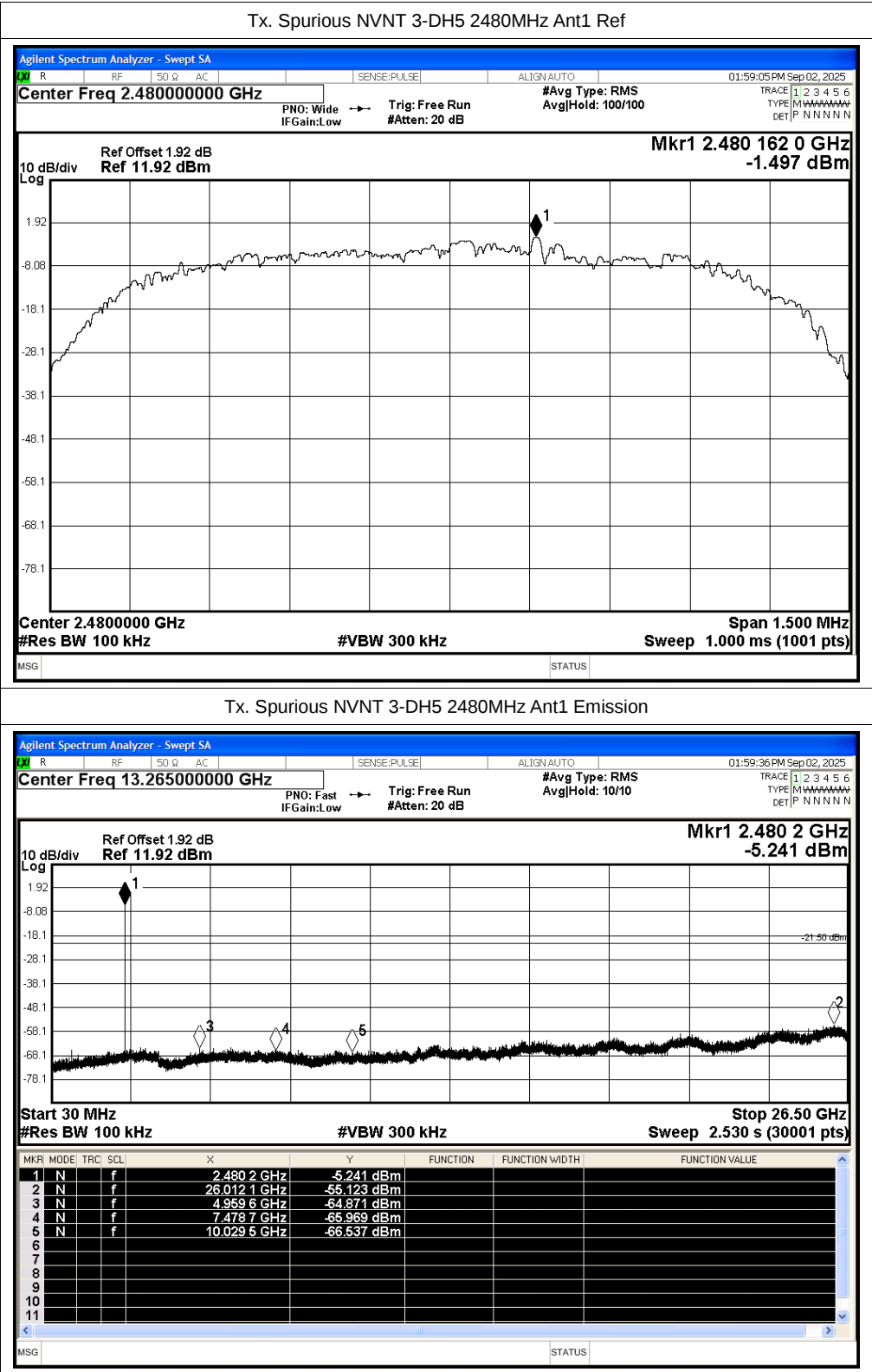






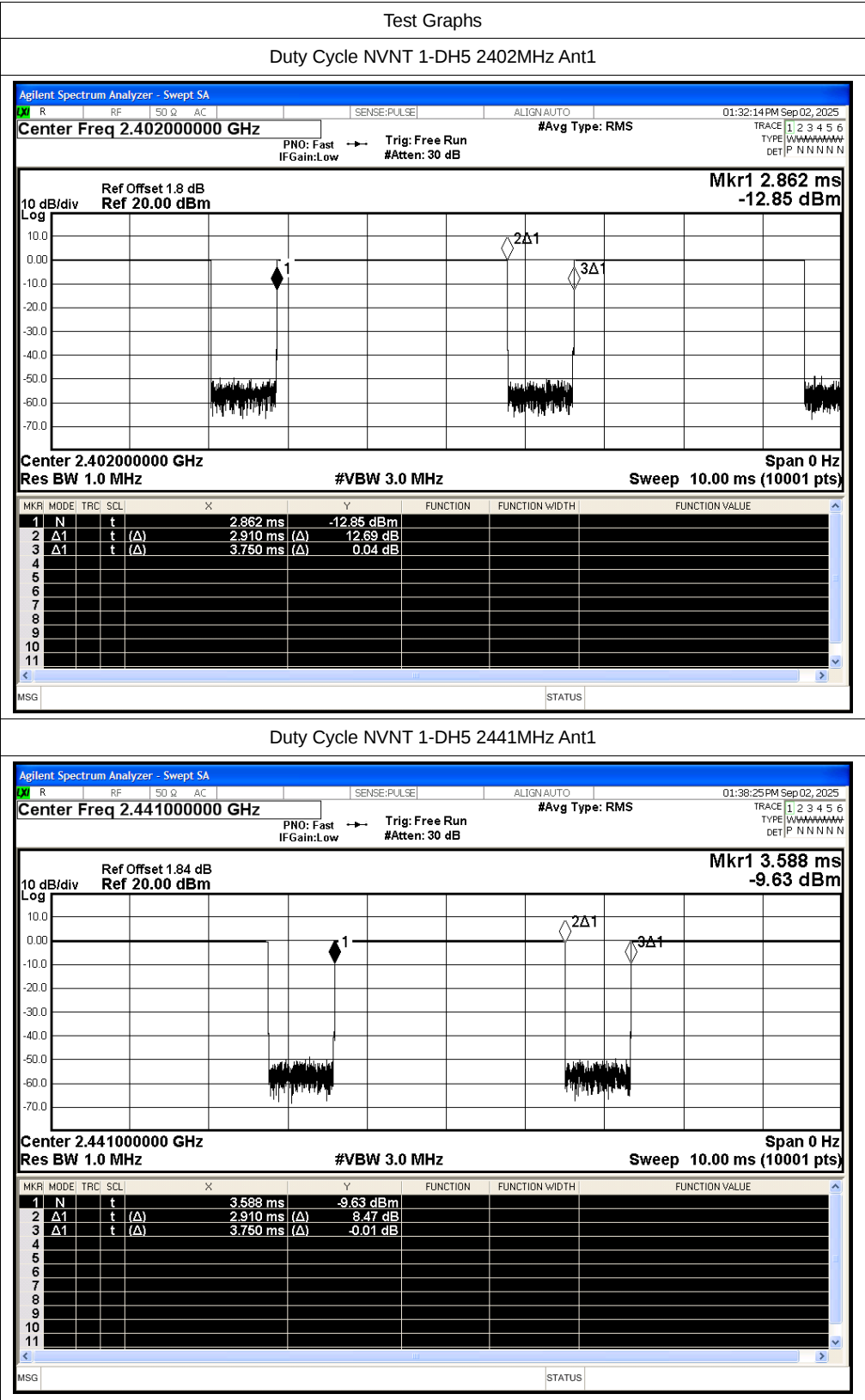


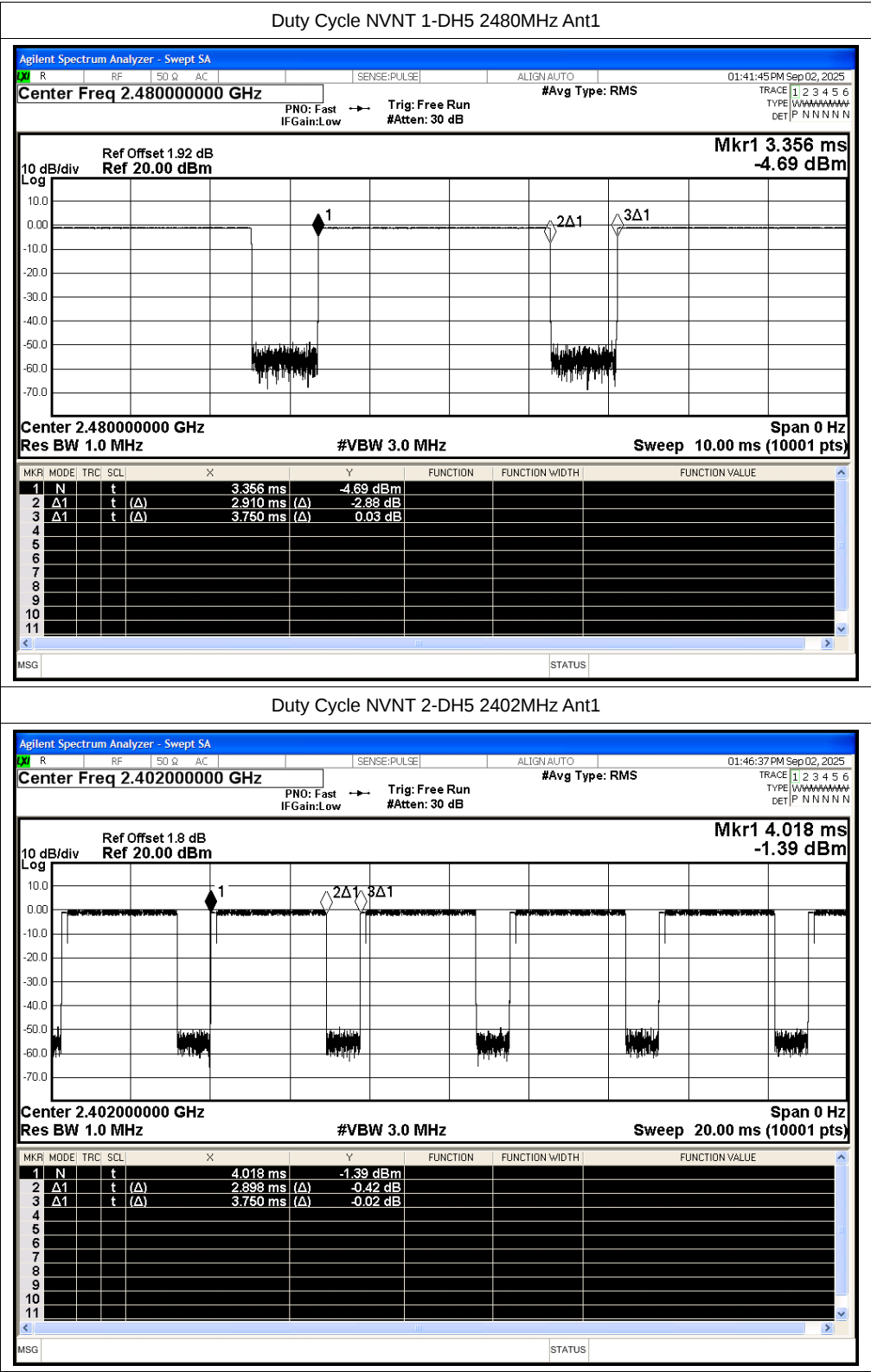




A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.6	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	77.28	1.12	0.35
NVNT	2-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2480	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2402	Ant1	77.33	1.12	0.34
NVNT	3-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2480	Ant1	77.28	1.12	0.35





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz

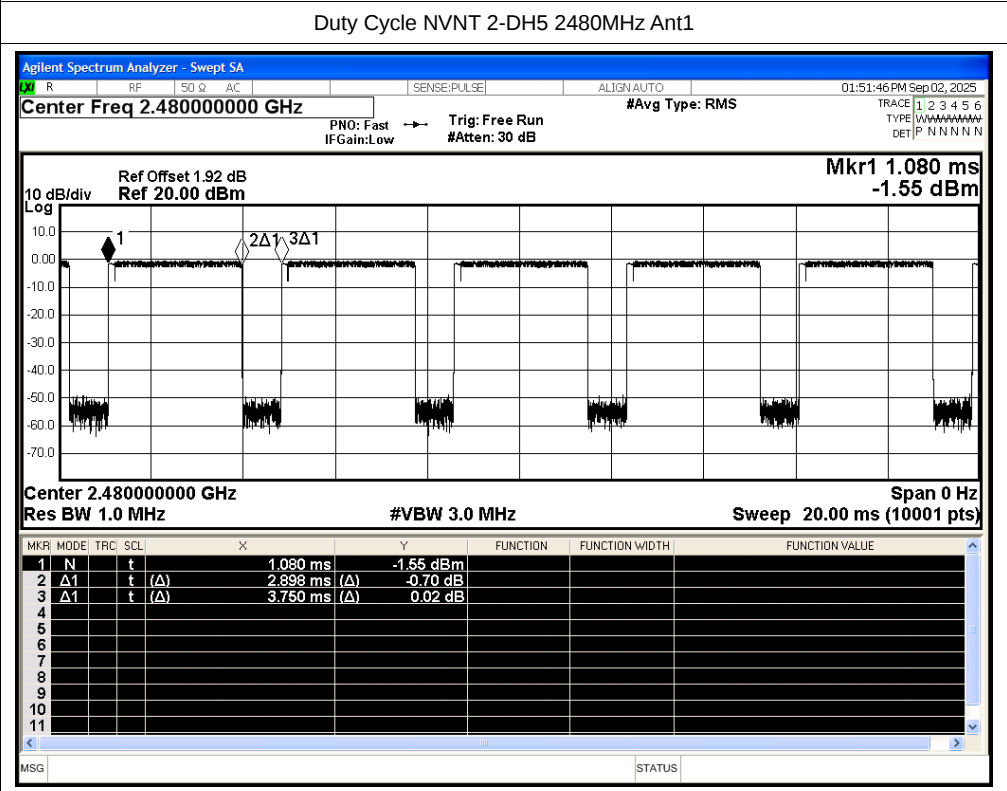
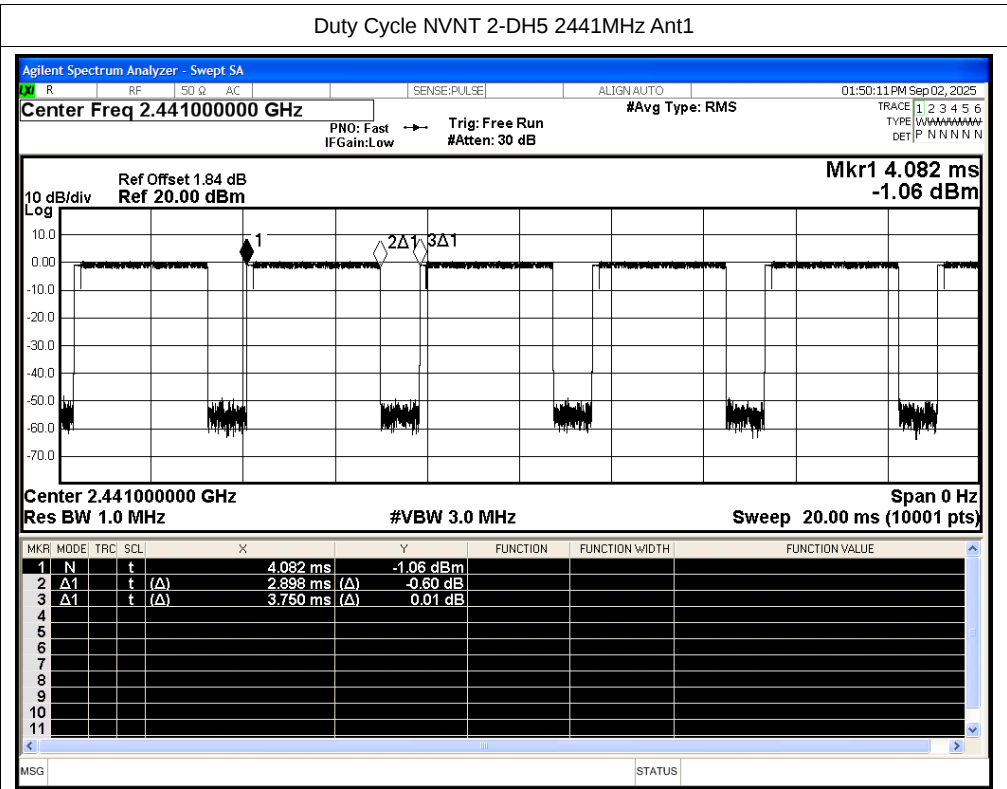
PN0: Fast
IF Gain: Low

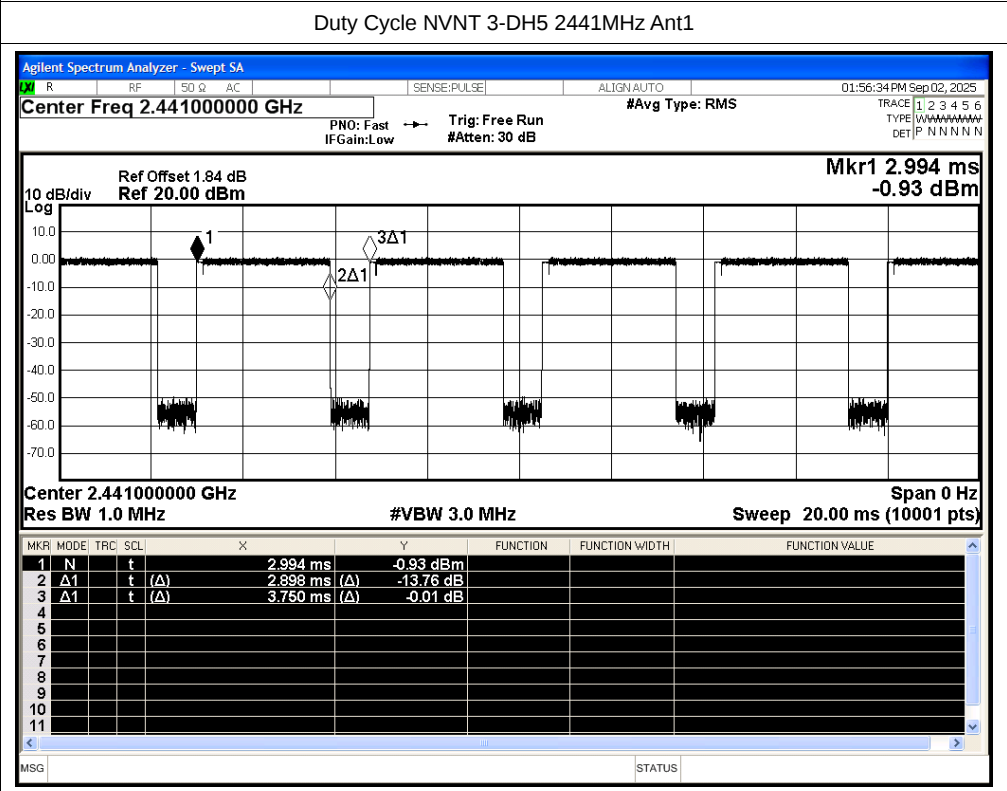
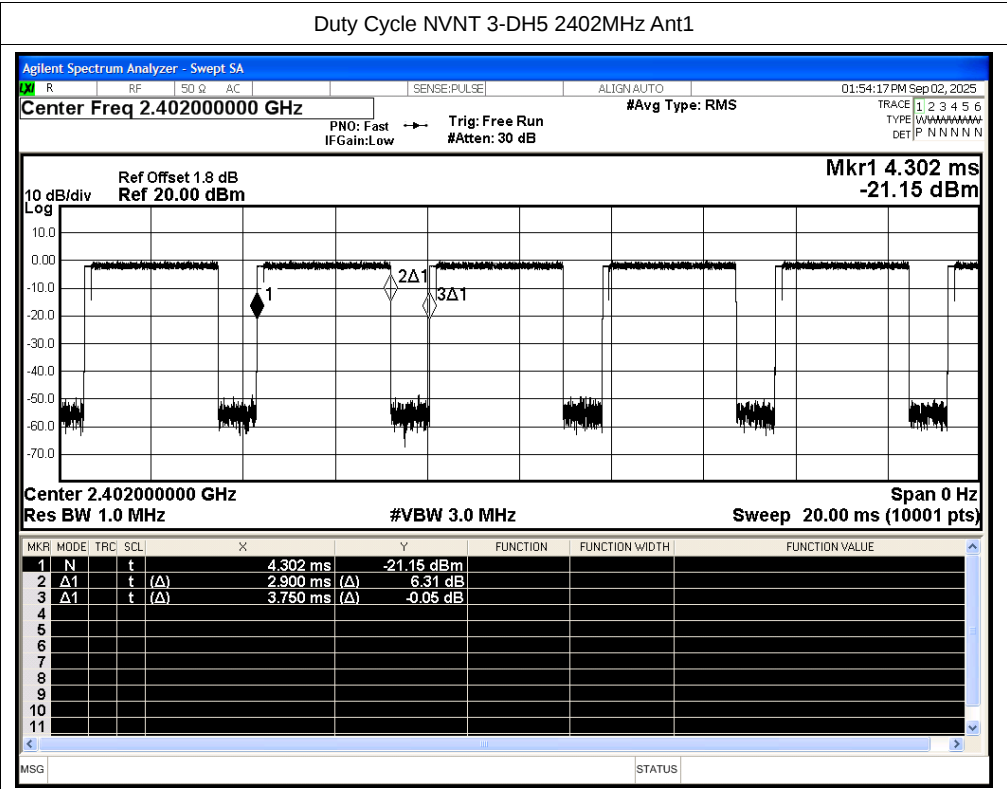
Trig: Free Run
#Atten: 30 dB

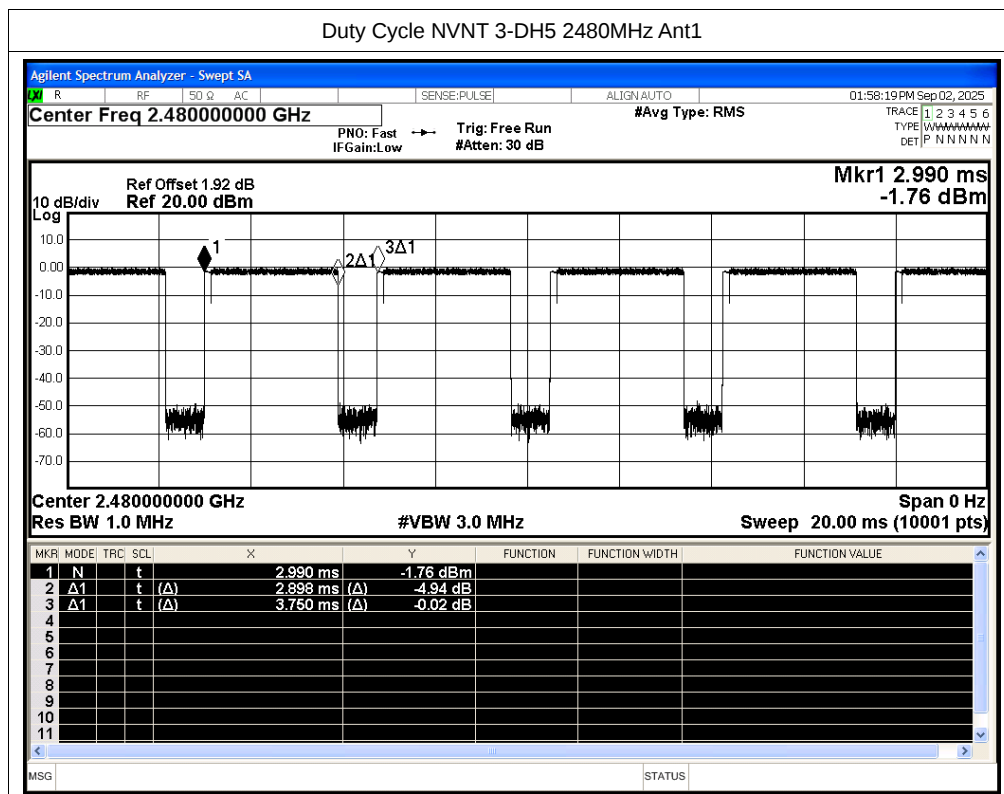
#Avg Type: RMS

01:46:37 PM Sep 02, 2025

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N







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	-50.25	2.95	-	47.96	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-59.27	2.95	1.1	40.04	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2331.312	-47.7	2.95	-	50.51	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2387.76	-57.75	2.95	1.1	41.56	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.33	2.95	-	46.88	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.36	2.95	1.1	40.95	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.24	2.95	-	48.97	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.71	2.95	1.1	41.60	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.656	-46.5	2.95	-	51.71	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.912	-57.3	2.95	1.1	42.01	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.77	2.95	-	49.44	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.03	2.95	1.1	41.28	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.36	2.95	-	47.85	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.55	2.95	1.12	40.78	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2354.832	-47.9	2.95	-	50.31	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2376.72	-57.85	2.95	1.12	41.48	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.79	2.95	-	48.42	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.72	2.95	1.12	40.61	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-46.71	2.95	-	51.50	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-56.94	2.95	1.12	42.39	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.608	-45.31	2.95	-	52.90	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.04	-56.61	2.95	1.12	42.72	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.65	2.95	-	47.56	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.62	2.95	1.12	40.71	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.26	2.95	-	47.95	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.51	2.95	1.12	40.82	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2349.36	-47.4	2.95	-	50.81	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2388.816	-57.89	2.95	1.12	41.44	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.77	2.95	-	47.44	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.14	2.95	1.12	41.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-47.32	2.95	-	50.89	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-56.15	2.95	1.12	43.18	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.68	-44.73	2.95	-	53.48	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.68	-55.88	2.95	1.12	43.45	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.37	2.95	-	48.84	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.34	2.95	1.12	40.99	Average	54	Pass

