

Appendix B

RF Test Data for 2.4G (Conducted Measurement)

Tablet Keyboard

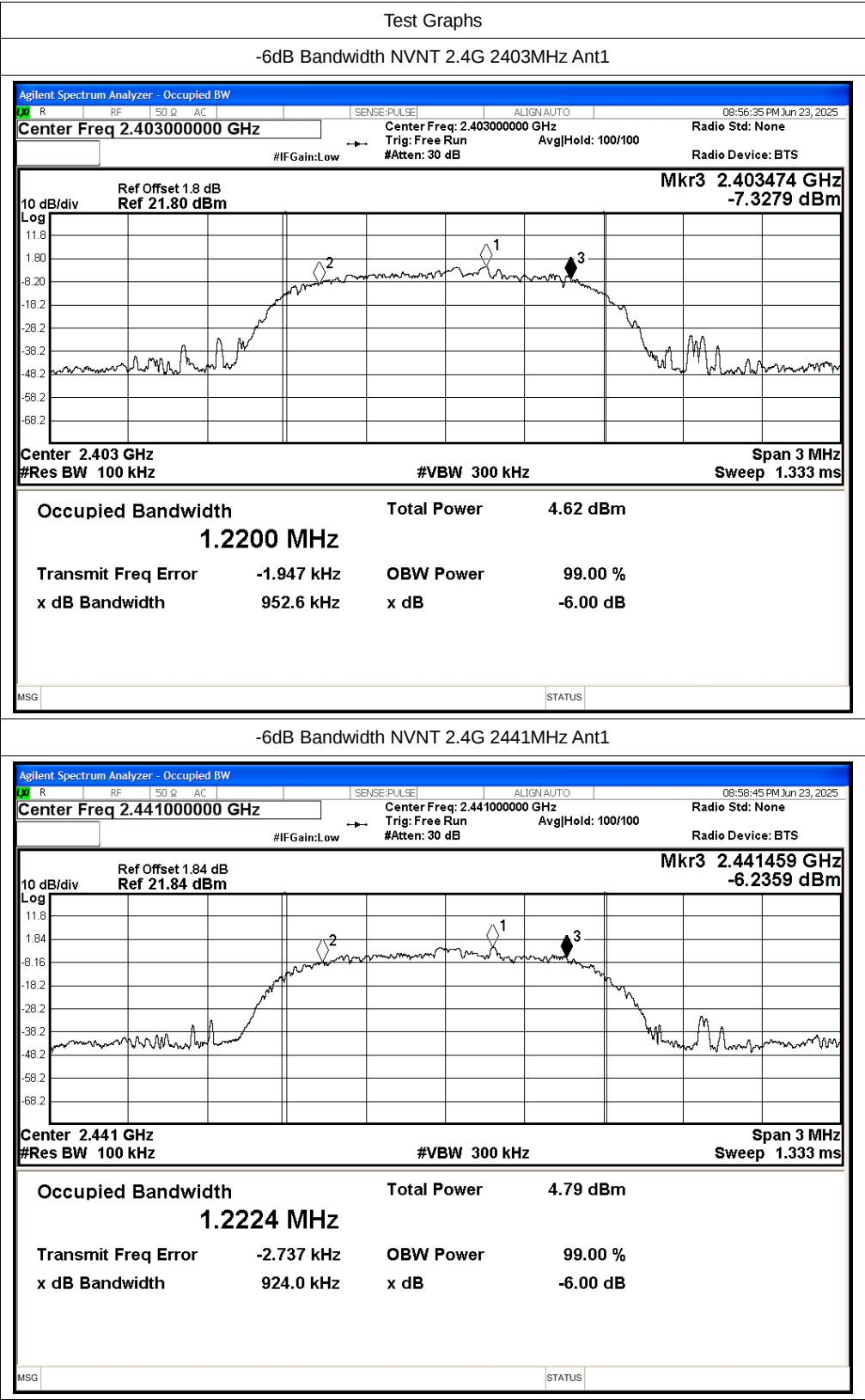
Test Model: HK8981US

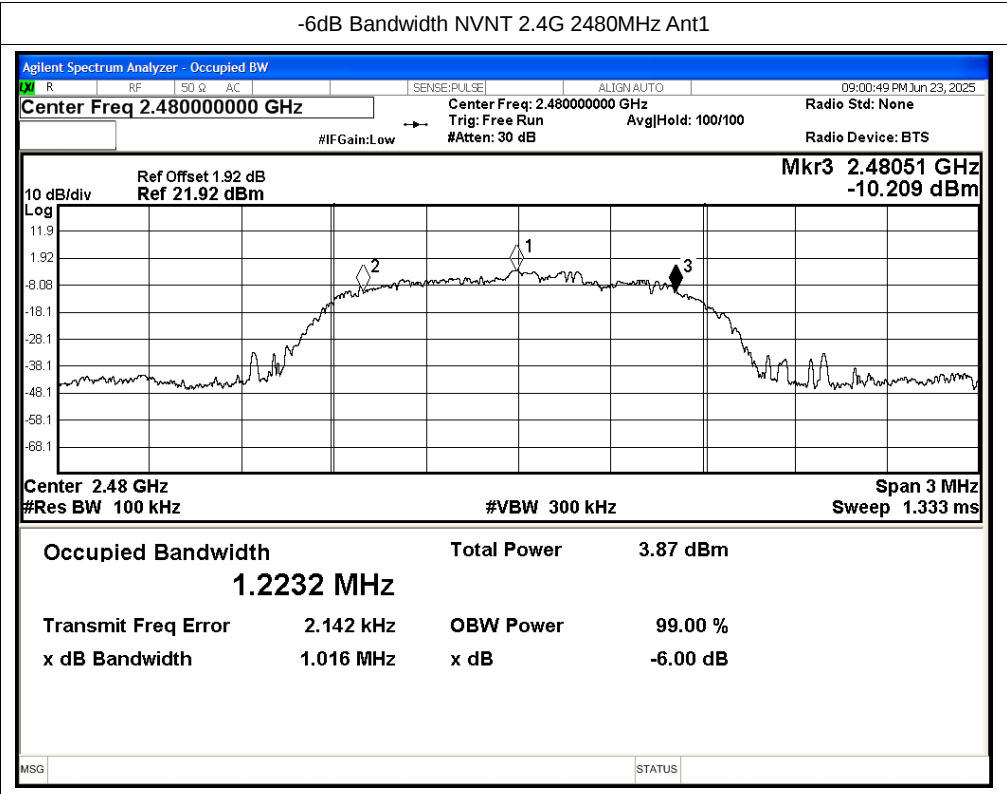
Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jone.Lee
Supervised by:	Yan Chen

B.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2403	Ant1	0.953	>=0.5	Pass
NVNT	2.4G	2441	Ant1	0.924	>=0.5	Pass
NVNT	2.4G	2480	Ant1	1.016	>=0.5	Pass



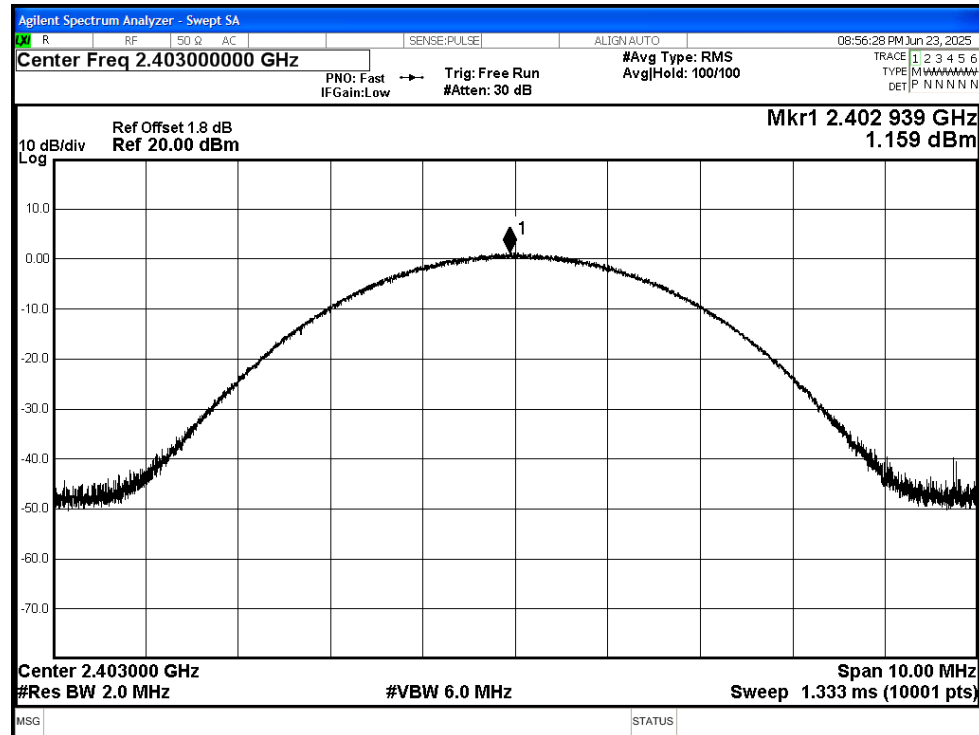


B.2 Maximum Peak Conducted Output Power

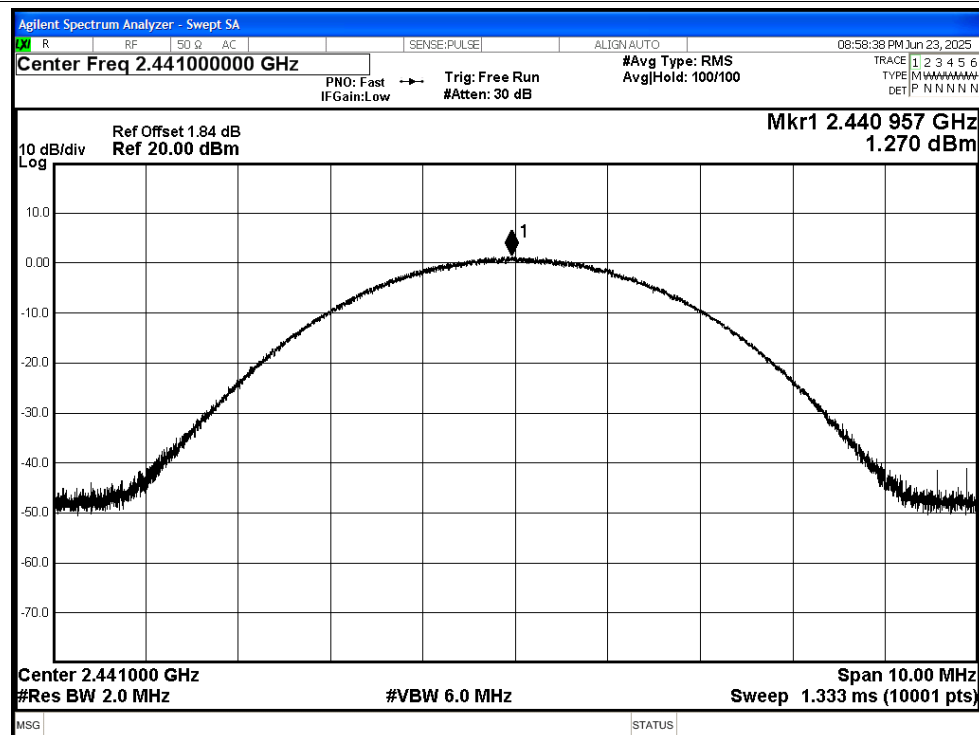
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G	2403	Ant1	1.16	30	Pass
NVNT	2.4G	2441	Ant1	1.27	30	Pass
NVNT	2.4G	2480	Ant1	0.16	30	Pass

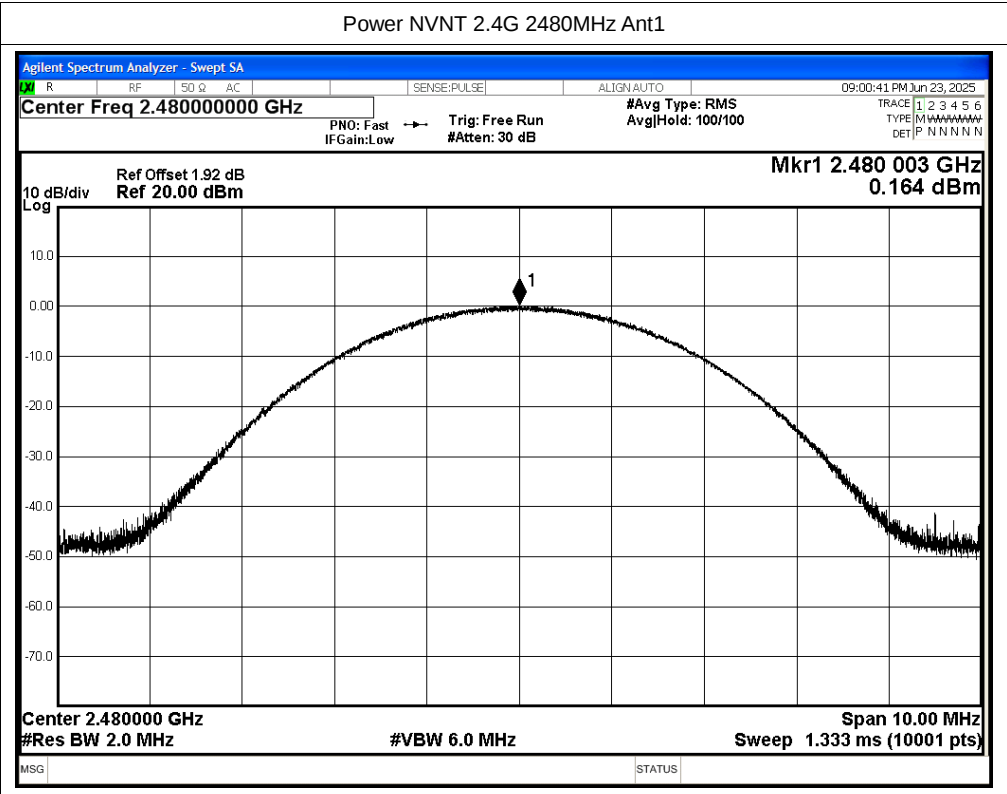
Test Graphs

Power NVNT 2.4G 2403MHz Ant1



Power NVNT 2.4G 2441MHz Ant1



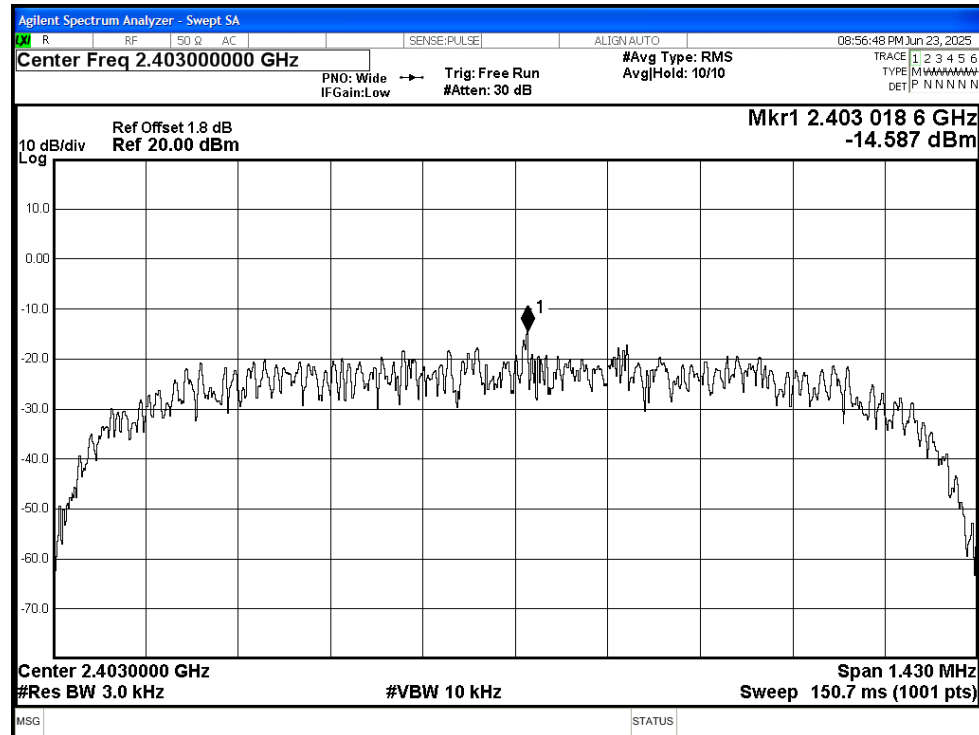


B.3 Maximum Power Spectral Density Level

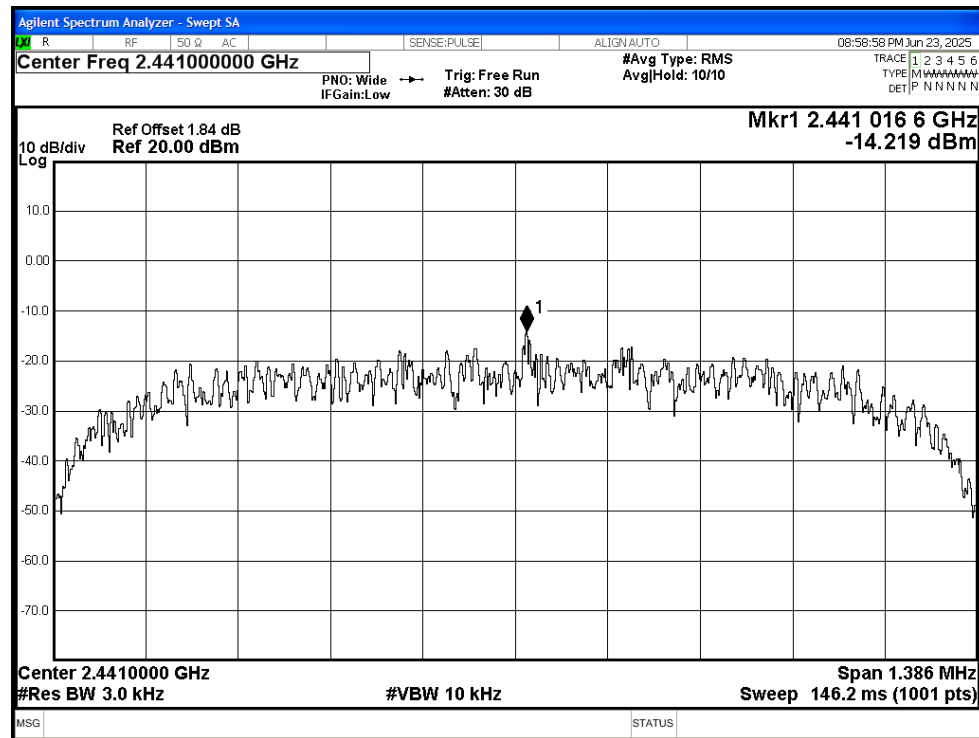
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	2.4G	2403	Ant1	-14.59	8	Pass
NVNT	2.4G	2441	Ant1	-14.22	8	Pass
NVNT	2.4G	2480	Ant1	-18.54	8	Pass

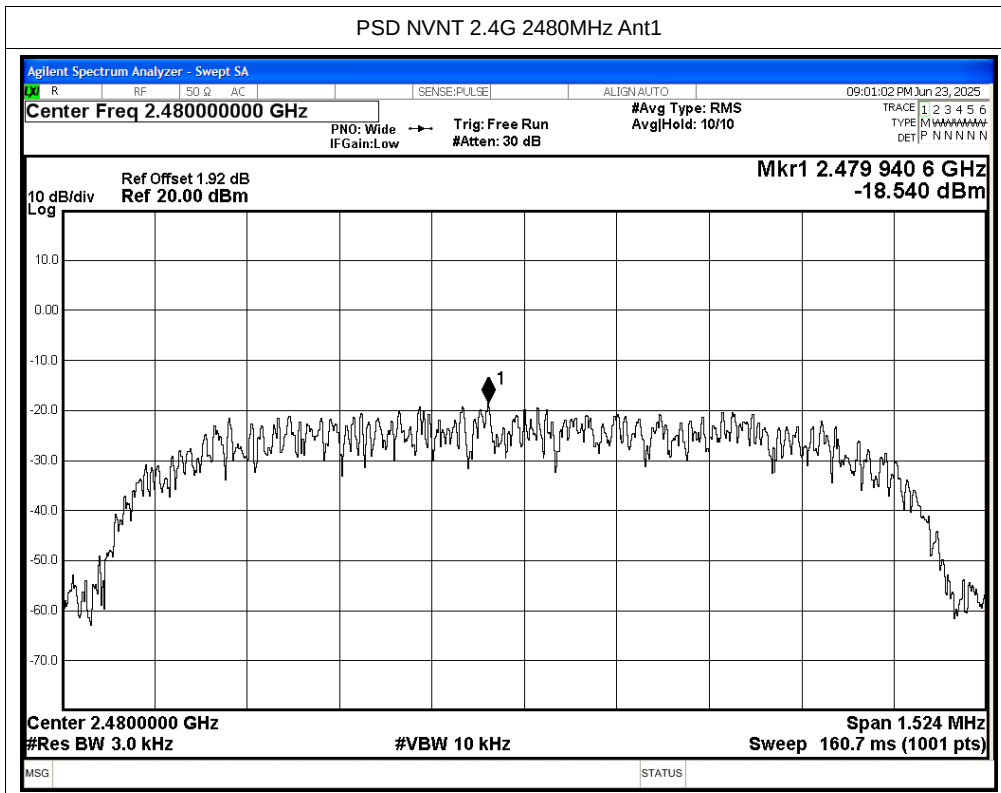
Test Graphs

PSD NVNT 2.4G 2403MHz Ant1



PSD NVNT 2.4G 2441MHz Ant1



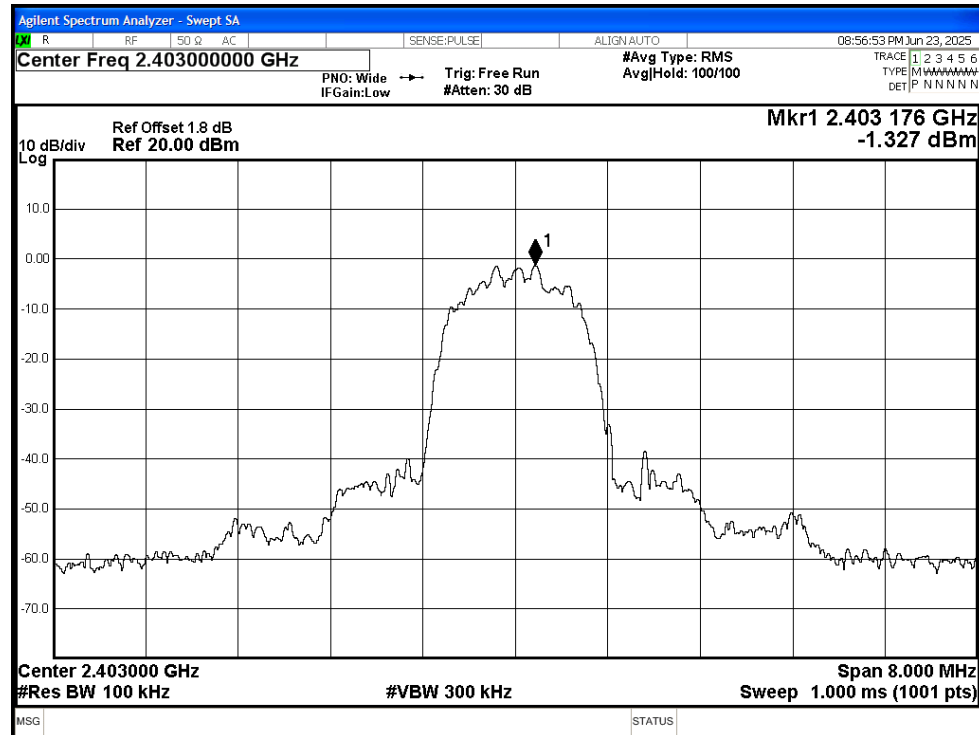


B.4 Band Edge

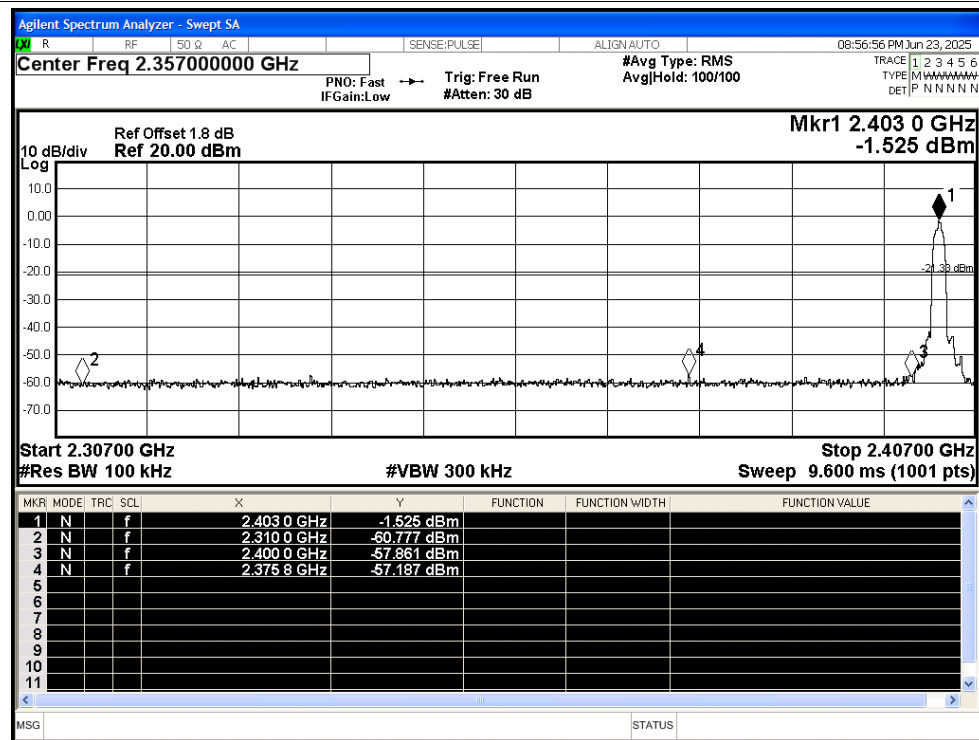
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2403	Ant1	-55.86	-20	Pass
NVNT	2.4G	2480	Ant1	-53.9	-20	Pass

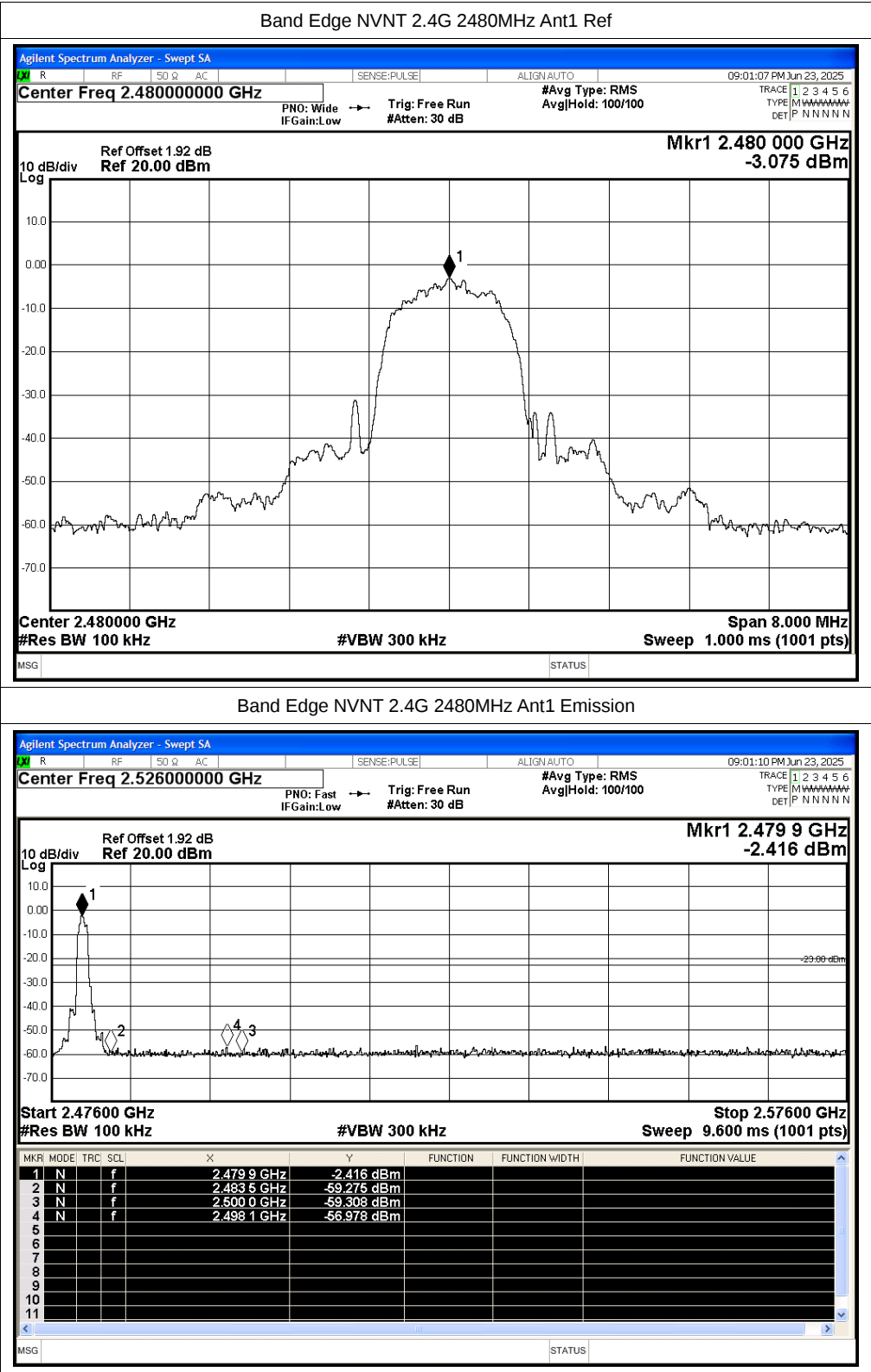
Test Graphs

Band Edge NVNT 2.4G 2403MHz Ant1 Ref



Band Edge NVNT 2.4G 2403MHz Ant1 Emission



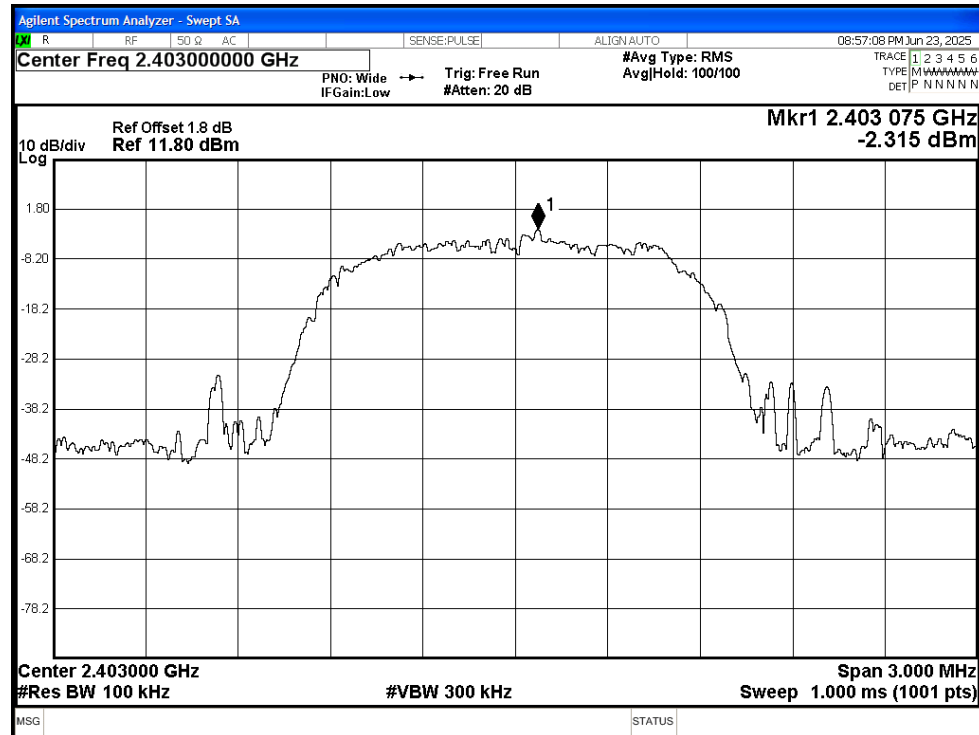


B.5 Conducted RF Spurious Emission

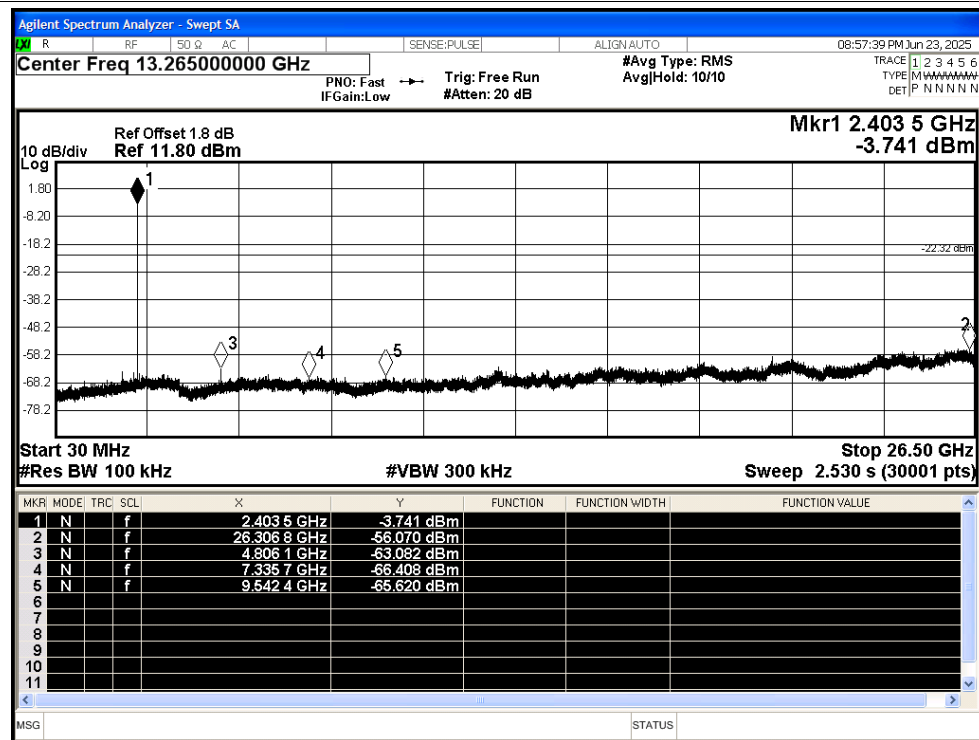
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2403	Ant1	-53.76	-20	Pass
NVNT	2.4G	2441	Ant1	-52.4	-20	Pass
NVNT	2.4G	2480	Ant1	-53.18	-20	Pass

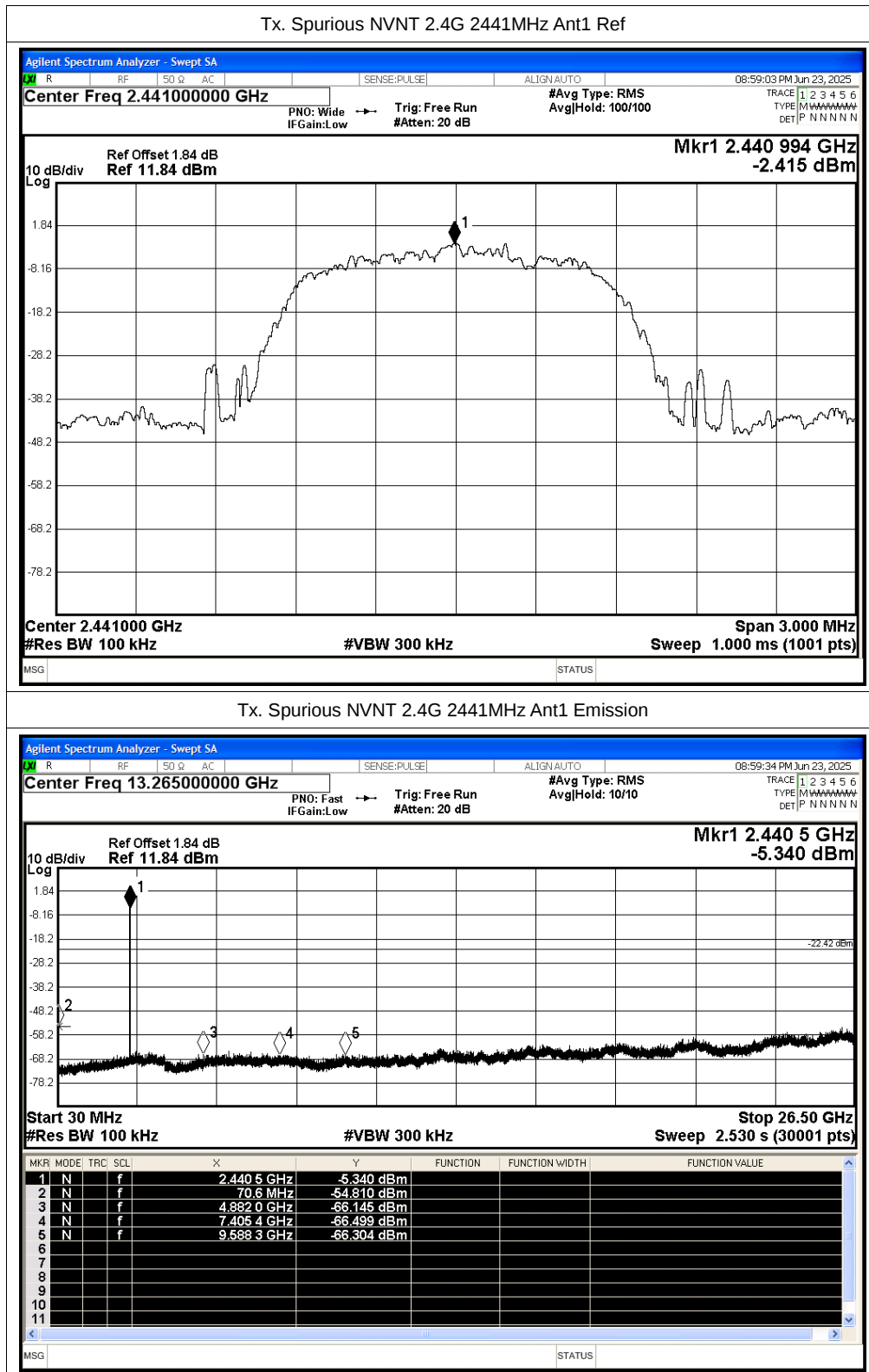
Test Graphs

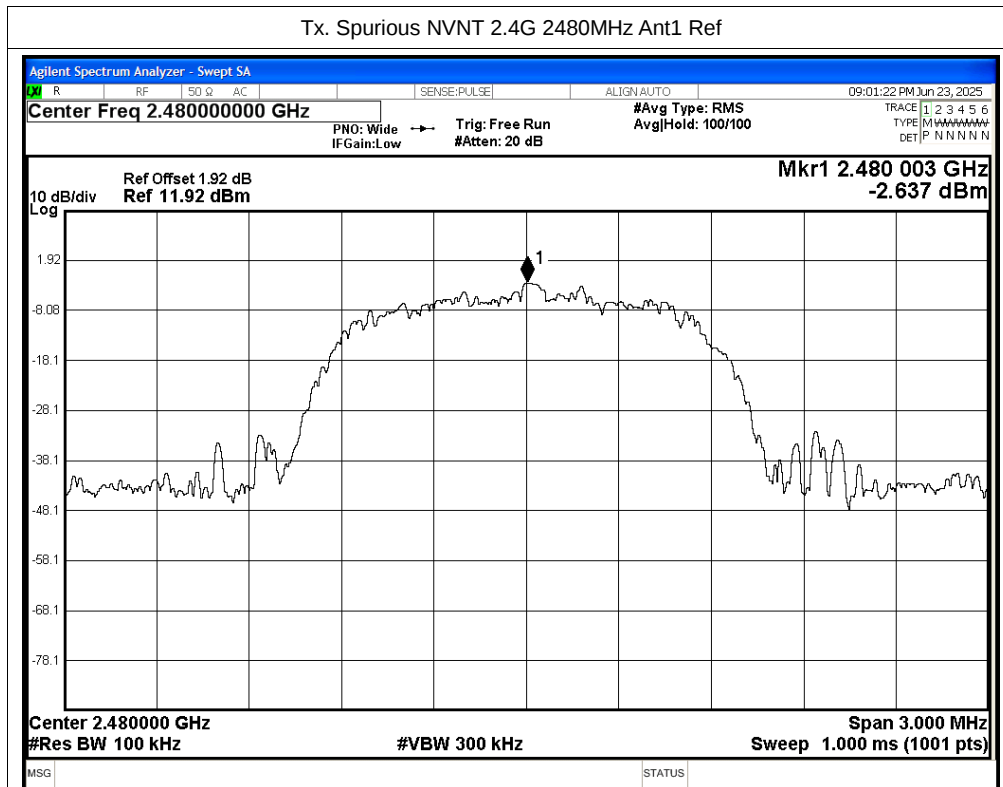
Tx. Spurious NVNT 2.4G 2403MHz Ant1 Ref



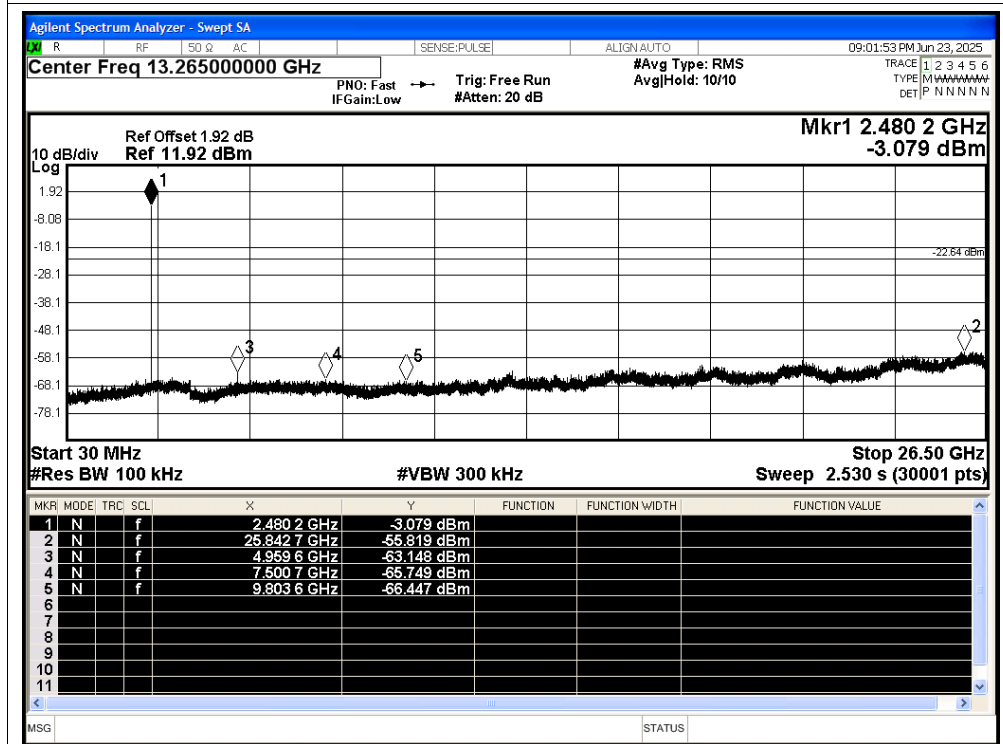
Tx. Spurious NVNT 2.4G 2403MHz Ant1 Emission







Tx. Spurious NVNT 2.4G 2480MHz Ant1 Emission

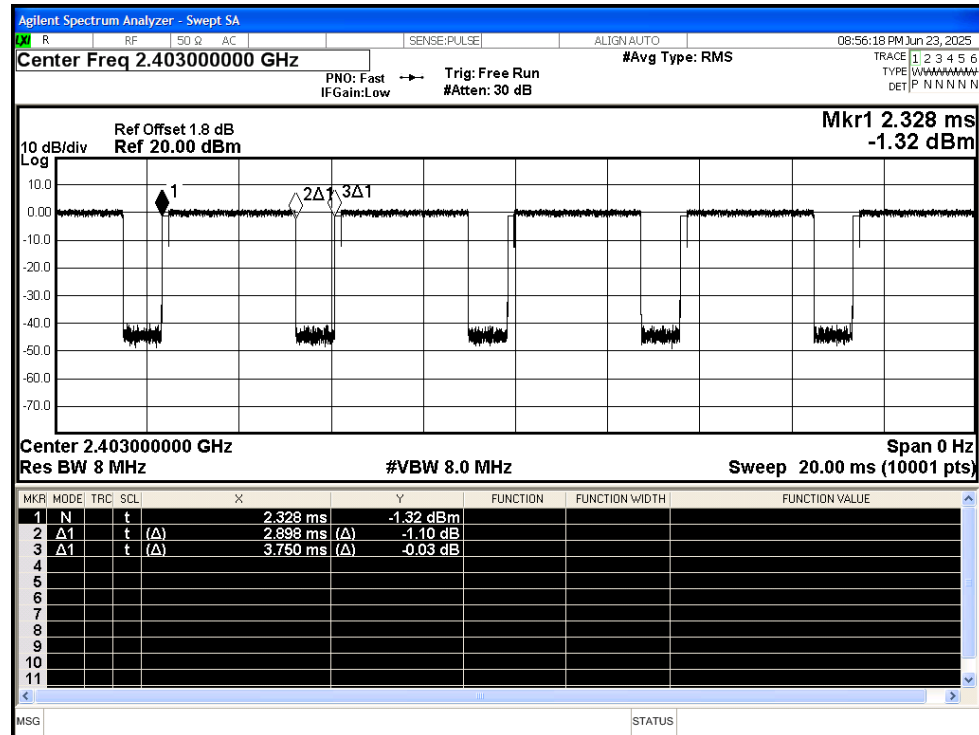


B.6 Duty Cycle

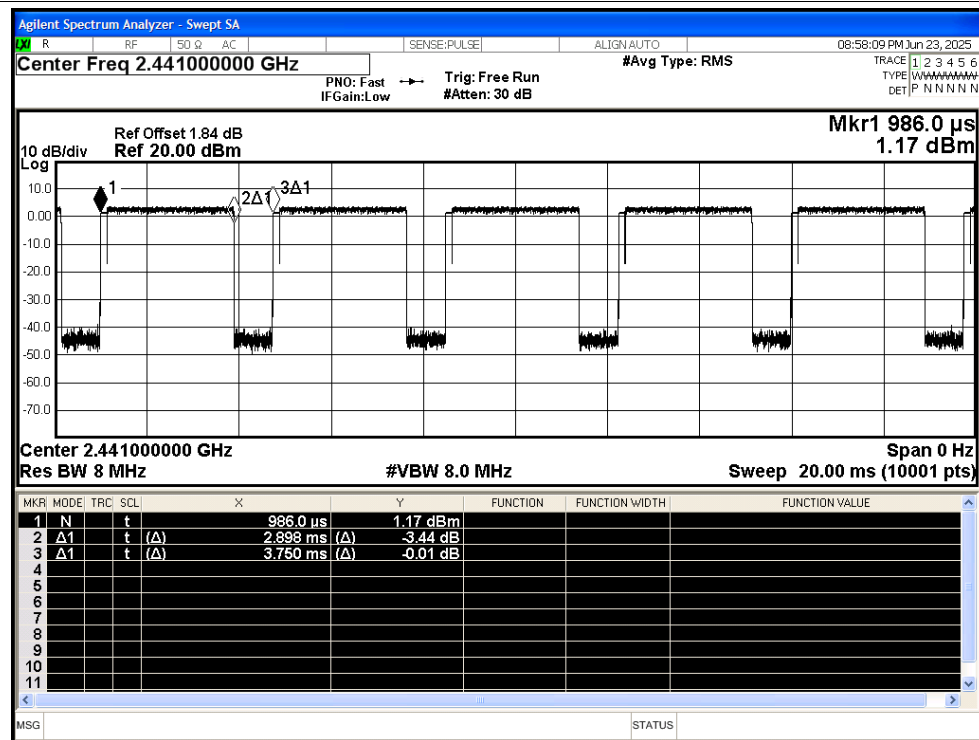
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2403	Ant1	77.28	1.12	0.35
NVNT	2.4G	2441	Ant1	77.28	1.12	0.35
NVNT	2.4G	2480	Ant1	77.28	1.12	0.35

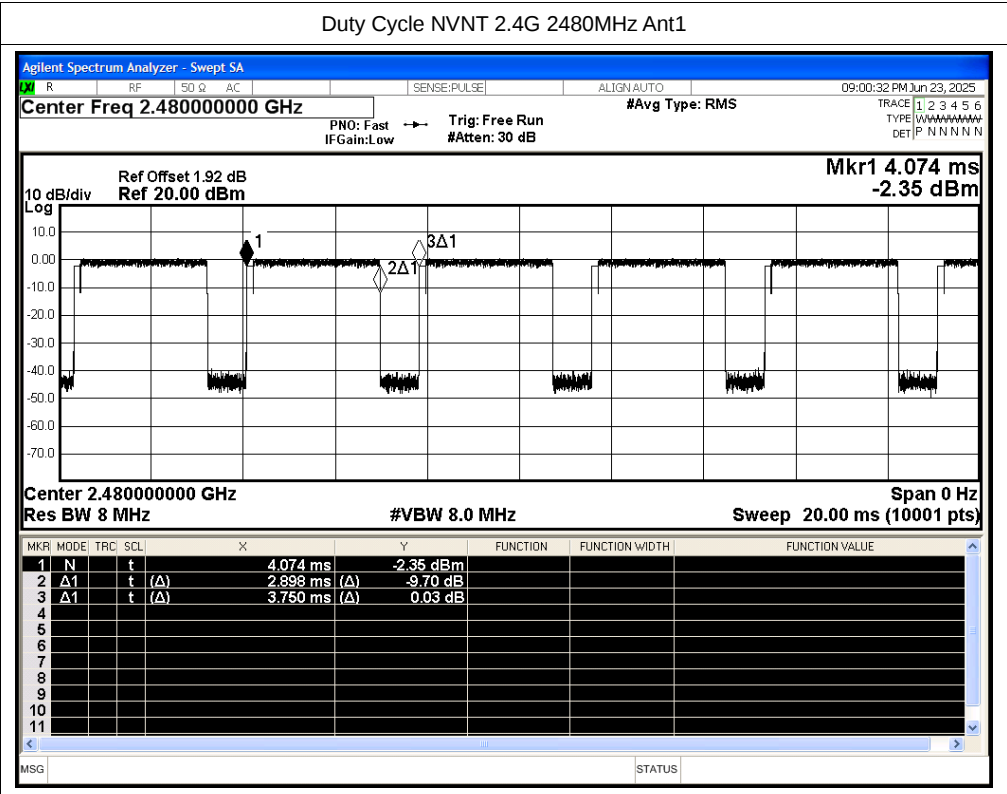
Test Graphs

Duty Cycle NVNT 2.4G 2403MHz Ant1



Duty Cycle NVNT 2.4G 2441MHz Ant1



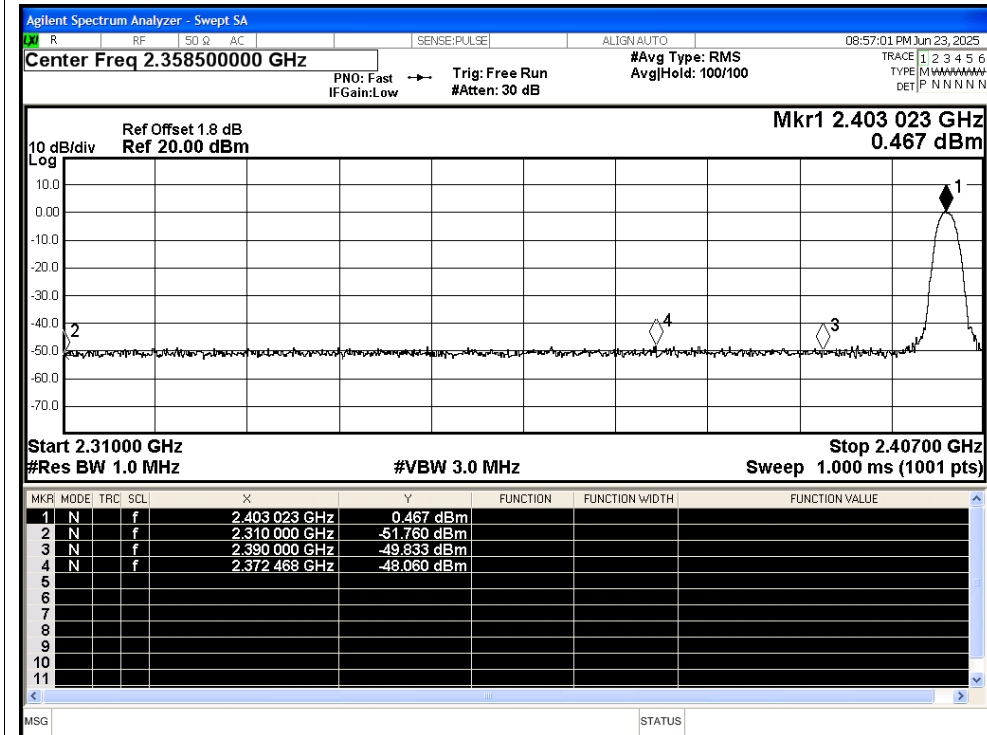


B.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2403	Ant1	2310	-51.76	2	-	45.5	Peak	74	Pass
NVNT	2.4G	2403	Ant1	2310	-59.14	2	1.12	39.24	Average	54	Pass
NVNT	2.4G	2403	Ant1	2372.468	-48.06	2	-	49.2	Peak	74	Pass
NVNT	2.4G	2403	Ant1	2382.847	-57.77	2	1.12	40.61	Average	54	Pass
NVNT	2.4G	2403	Ant1	2390	-49.83	2	-	47.43	Peak	74	Pass
NVNT	2.4G	2403	Ant1	2390	-58.89	2	1.12	39.49	Average	54	Pass
NVNT	2.4G	2480	Ant1	2483.5	-48.84	2	-	48.42	Peak	74	Pass
NVNT	2.4G	2480	Ant1	2483.5	-57.74	2	1.12	40.64	Average	54	Pass
NVNT	2.4G	2480	Ant1	2484.208	-47.12	2	-	50.14	Peak	74	Pass
NVNT	2.4G	2480	Ant1	2491.744	-57.4	2	1.12	40.98	Average	54	Pass
NVNT	2.4G	2480	Ant1	2500	-49.66	2	-	47.6	Peak	74	Pass
NVNT	2.4G	2480	Ant1	2500	-58.58	2	1.12	39.8	Average	54	Pass

Test Graphs

Restrict Band NVNT 2.4G 2403MHz Ant1 Peak



Restrict Band NVNT 2.4G 2403MHz Ant1 Average

