

Appendix B

RF Test Data for 2.4G (Conducted Measurement)

Tablet Keyboard

Test Model: HK8981BUS

Environmental Conditions

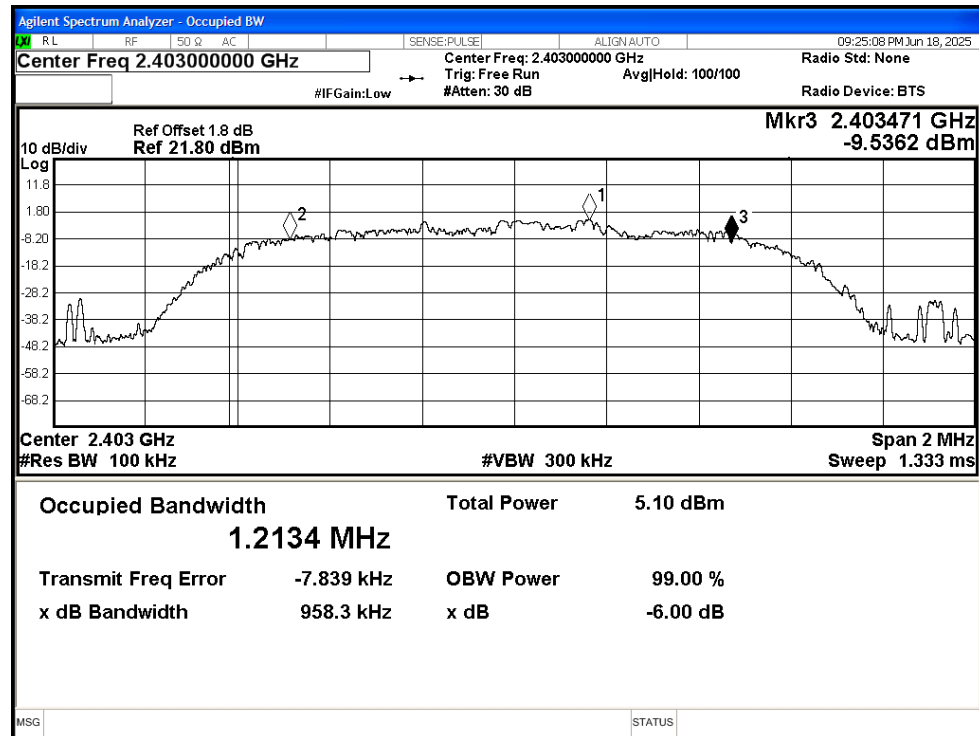
Temperature:	23.8°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jone.Lee
Supervised by:	Yan Chen

B.1 -6dB Bandwidth

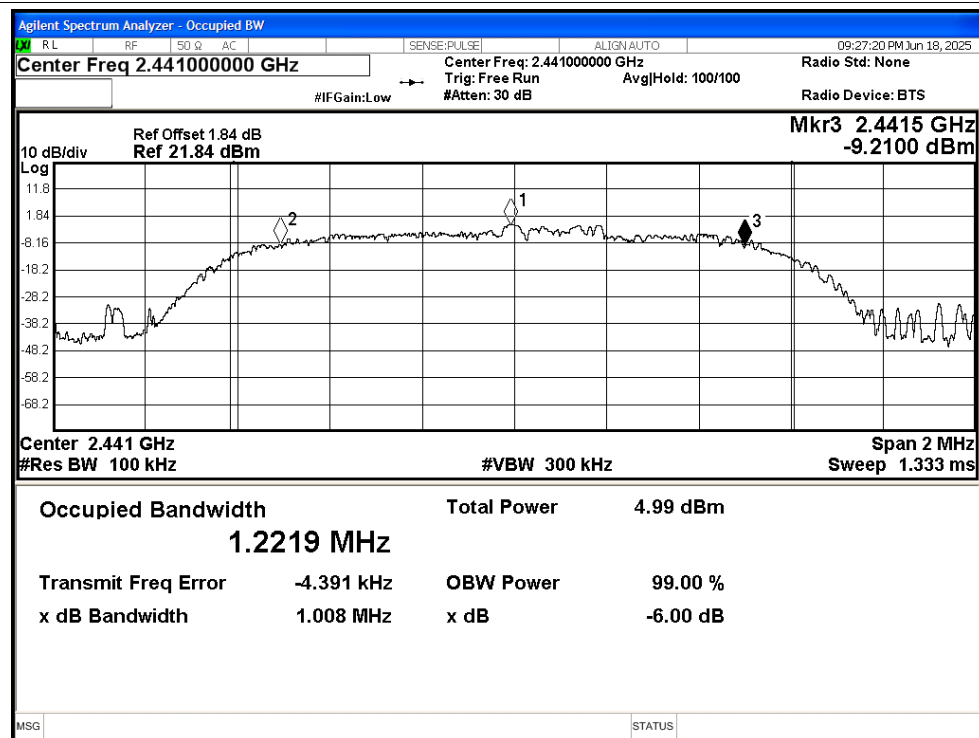
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2403	Ant1	0.958	>=0.5	Pass
NVNT	2.4G	2441	Ant1	1.008	>=0.5	Pass
NVNT	2.4G	2480	Ant1	0.944	>=0.5	Pass

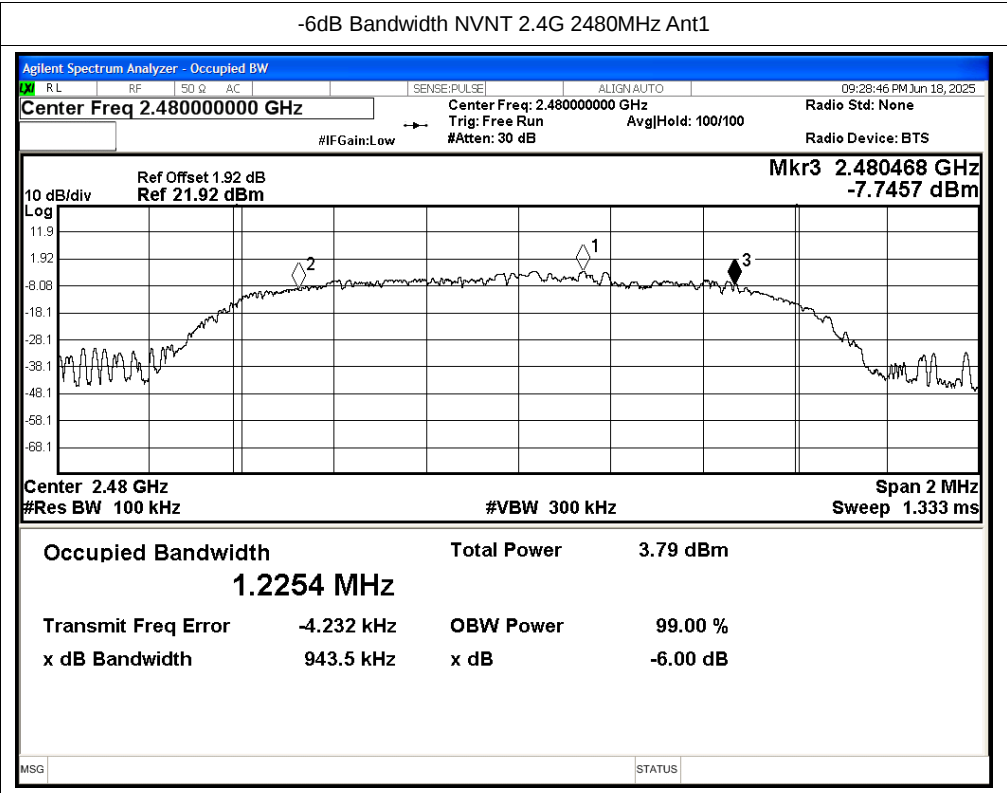
Test Graphs

-6dB Bandwidth NVNT 2.4G 2403MHz Ant1



-6dB Bandwidth NVNT 2.4G 2441MHz Ant1



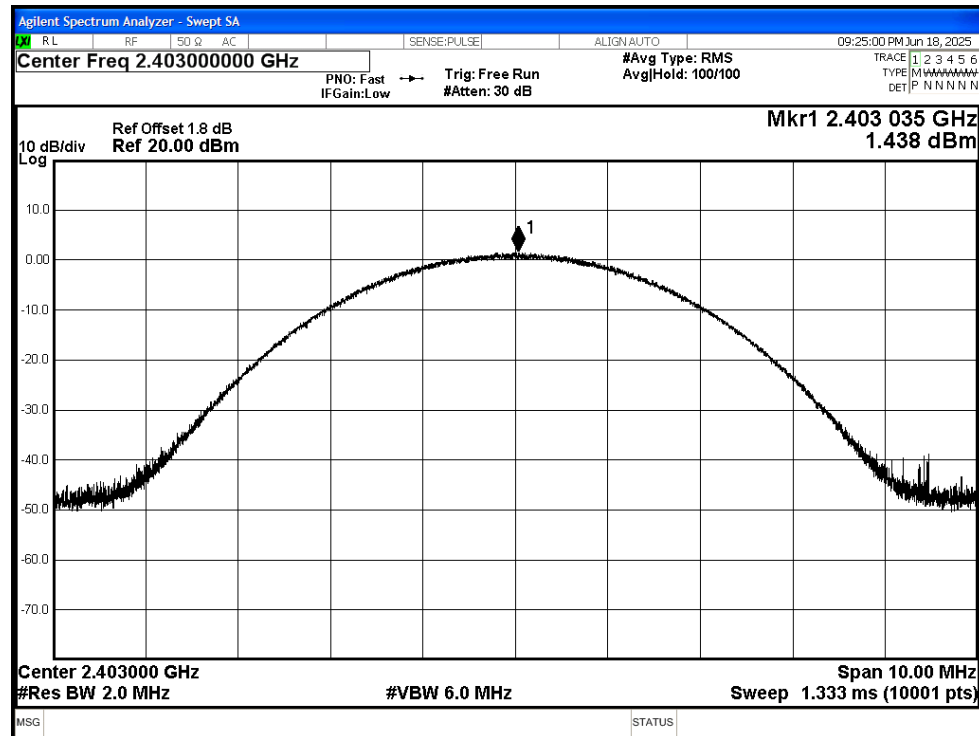


B.2 Maximum Peak Conducted Output Power

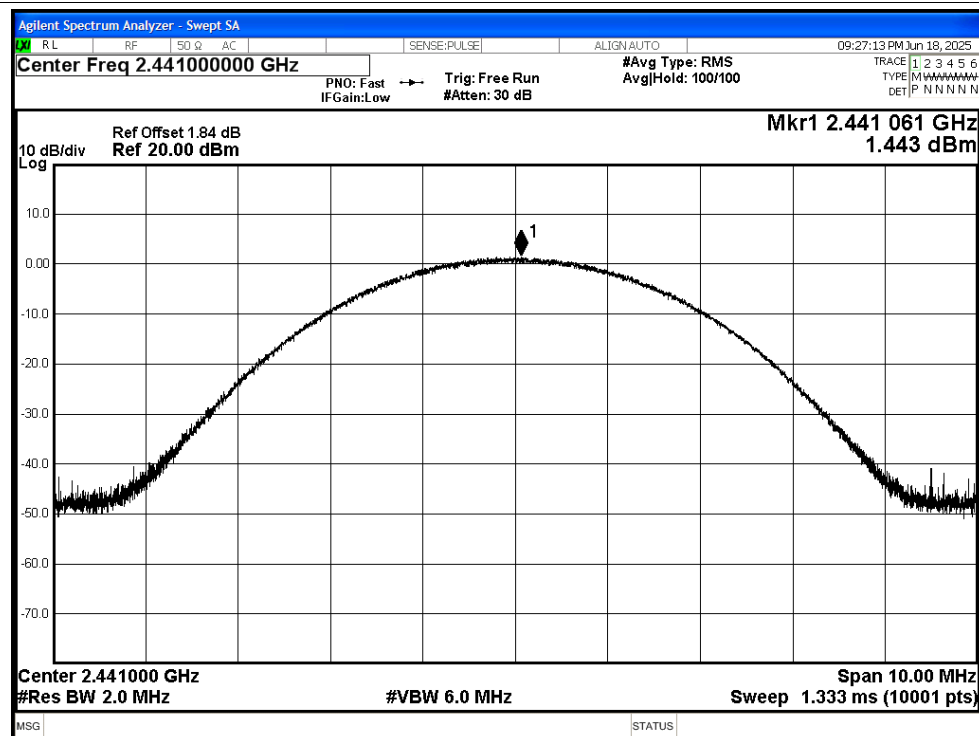
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G	2403	Ant1	1.44	30	Pass
NVNT	2.4G	2441	Ant1	1.44	30	Pass
NVNT	2.4G	2480	Ant1	0.32	30	Pass

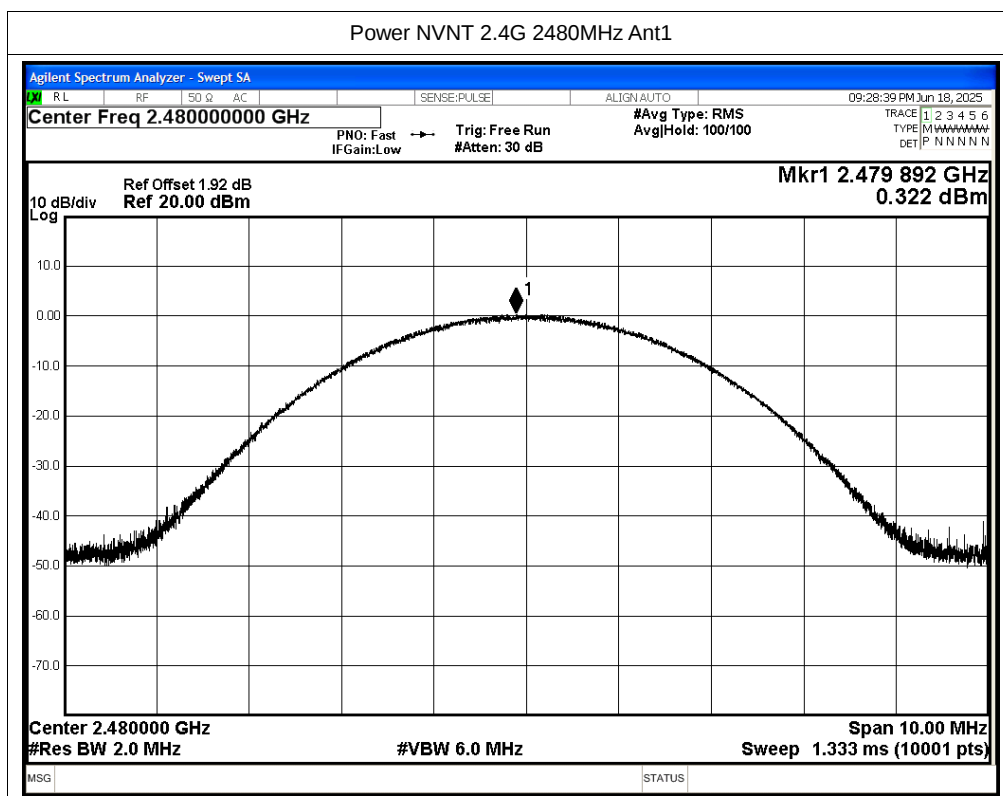
Test Graphs

Power NVNT 2.4G 2403MHz Ant1



Power NVNT 2.4G 2441MHz Ant1



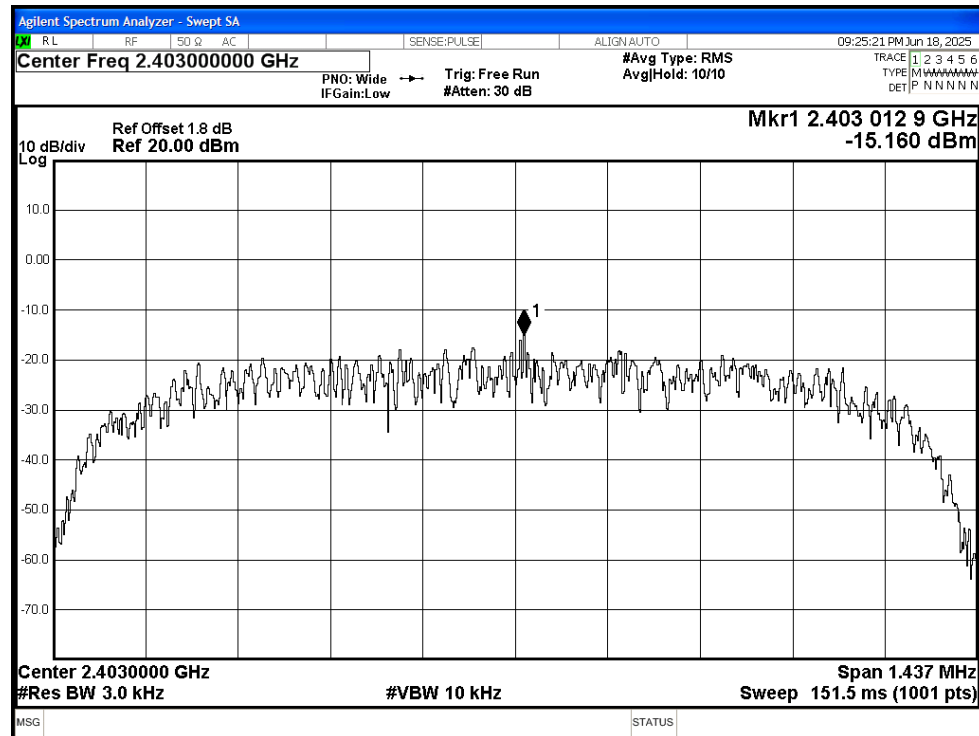


B.3 Maximum Power Spectral Density Level

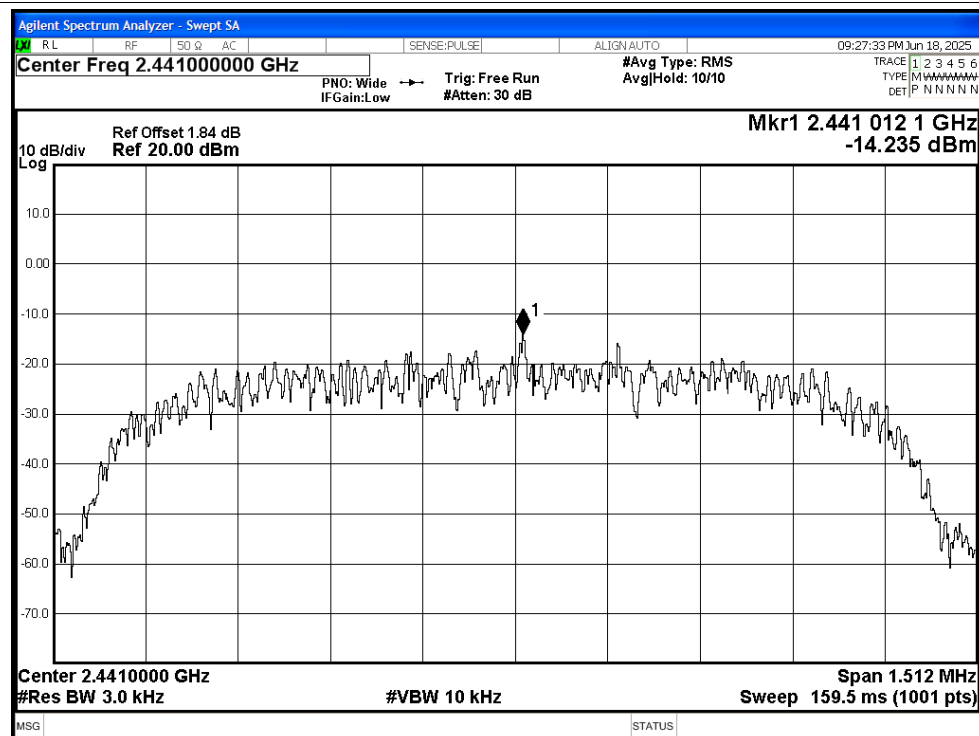
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	2.4G	2403	Ant1	-15.16	8	Pass
NVNT	2.4G	2441	Ant1	-14.24	8	Pass
NVNT	2.4G	2480	Ant1	-16.93	8	Pass

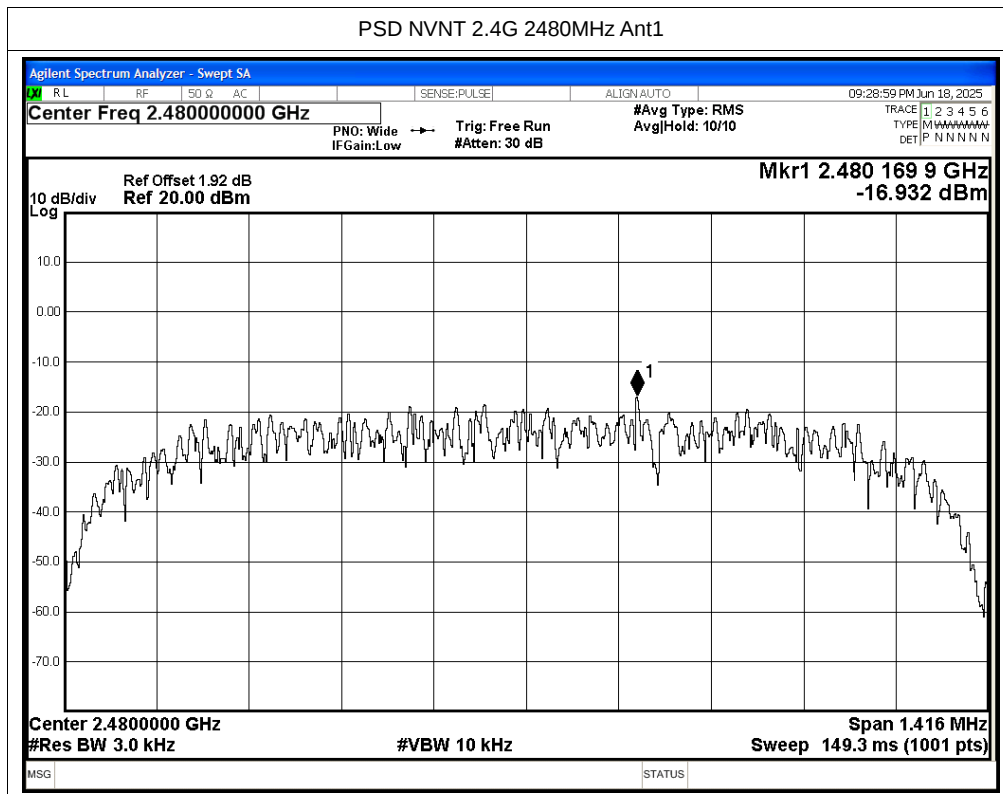
Test Graphs

PSD NVNT 2.4G 2403MHz Ant1



PSD NVNT 2.4G 2441MHz Ant1





B.4 Band Edge

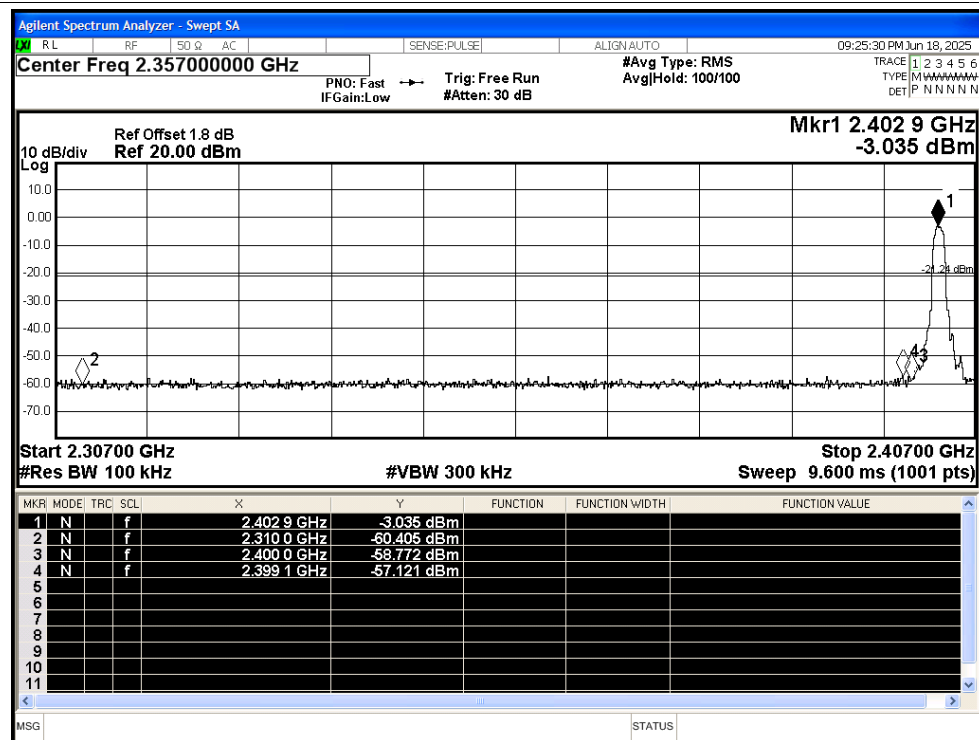
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2403	Ant1	-55.88	-20	Pass
NVNT	2.4G	2480	Ant1	-54.9	-20	Pass

Test Graphs

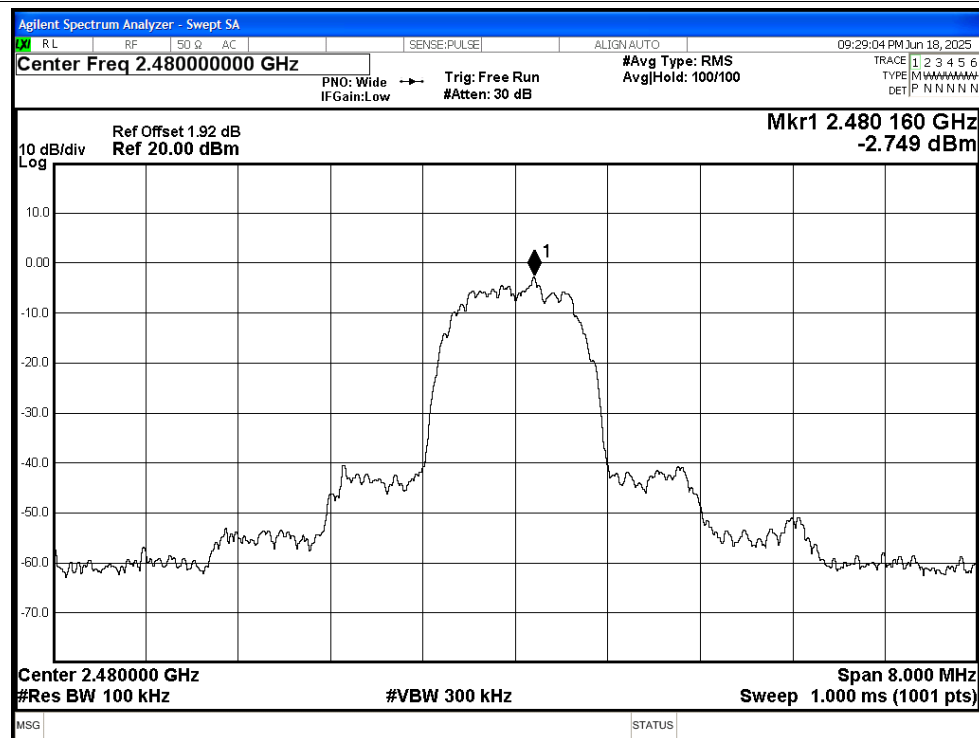
Band Edge NVNT 2.4G 2403MHz Ant1 Ref



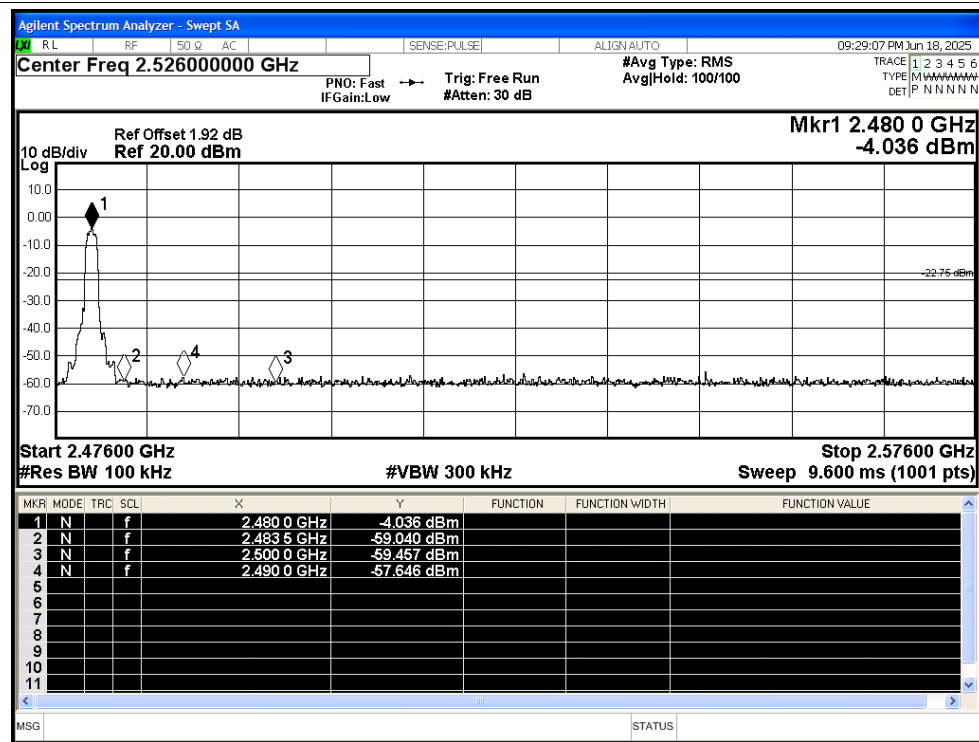
Band Edge NVNT 2.4G 2403MHz Ant1 Emission



Band Edge NVNT 2.4G 2480MHz Ant1 Ref



Band Edge NVNT 2.4G 2480MHz Ant1 Emission

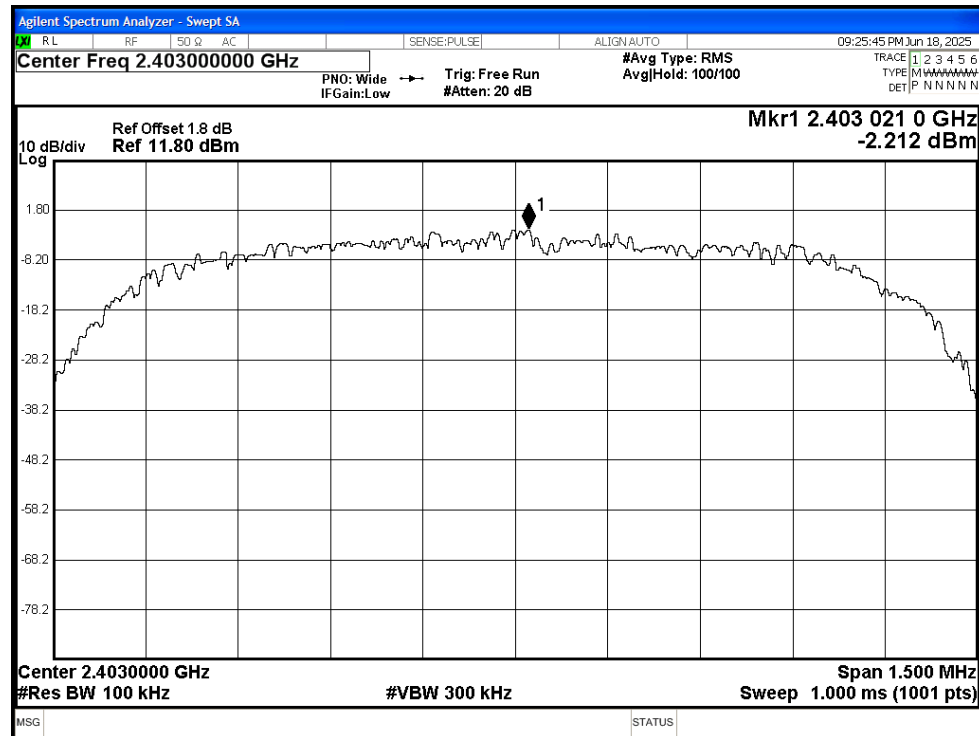


B.5 Conducted RF Spurious Emission

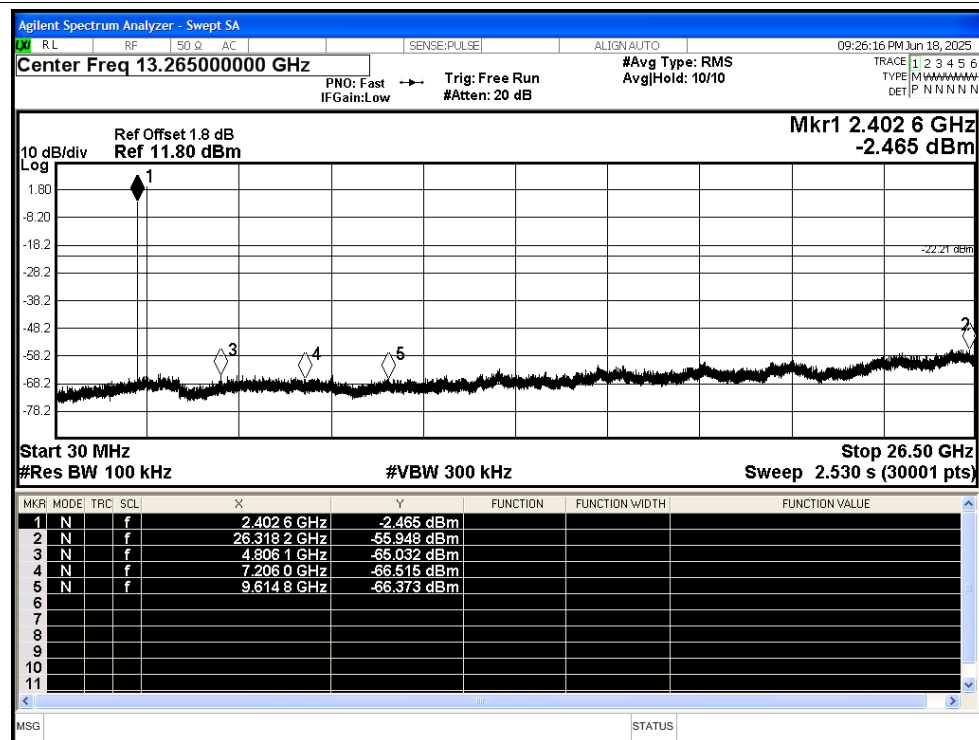
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2403	Ant1	-53.74	-20	Pass
NVNT	2.4G	2441	Ant1	-54.07	-20	Pass
NVNT	2.4G	2480	Ant1	-52.43	-20	Pass

Test Graphs

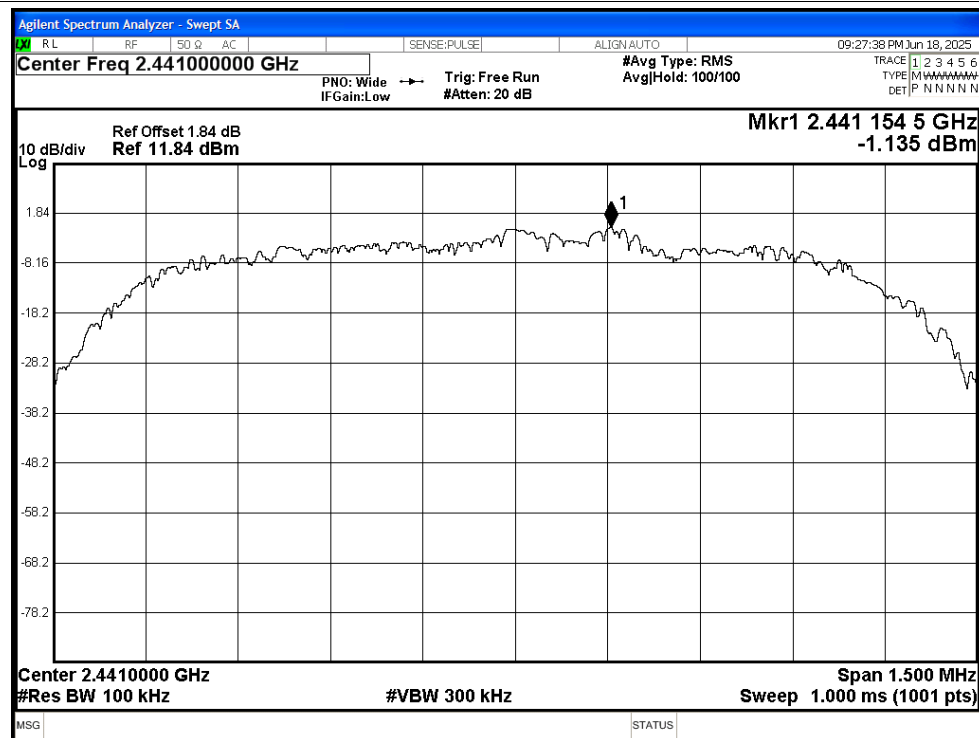
Tx. Spurious NVNT 2.4G 2403MHz Ant1 Ref



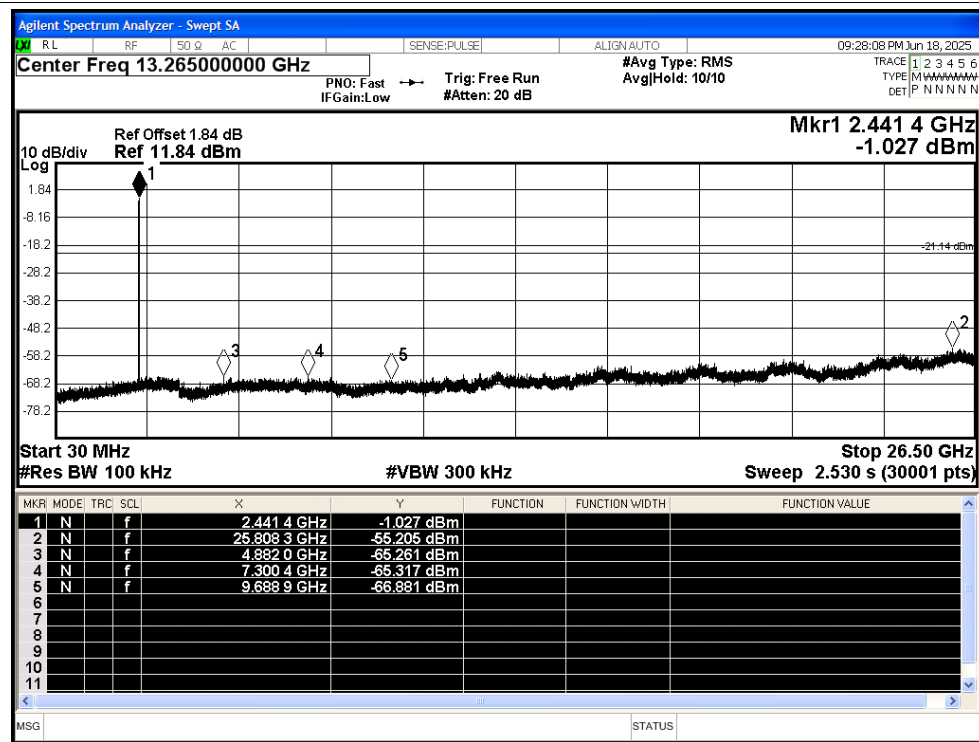
Tx. Spurious NVNT 2.4G 2403MHz Ant1 Emission



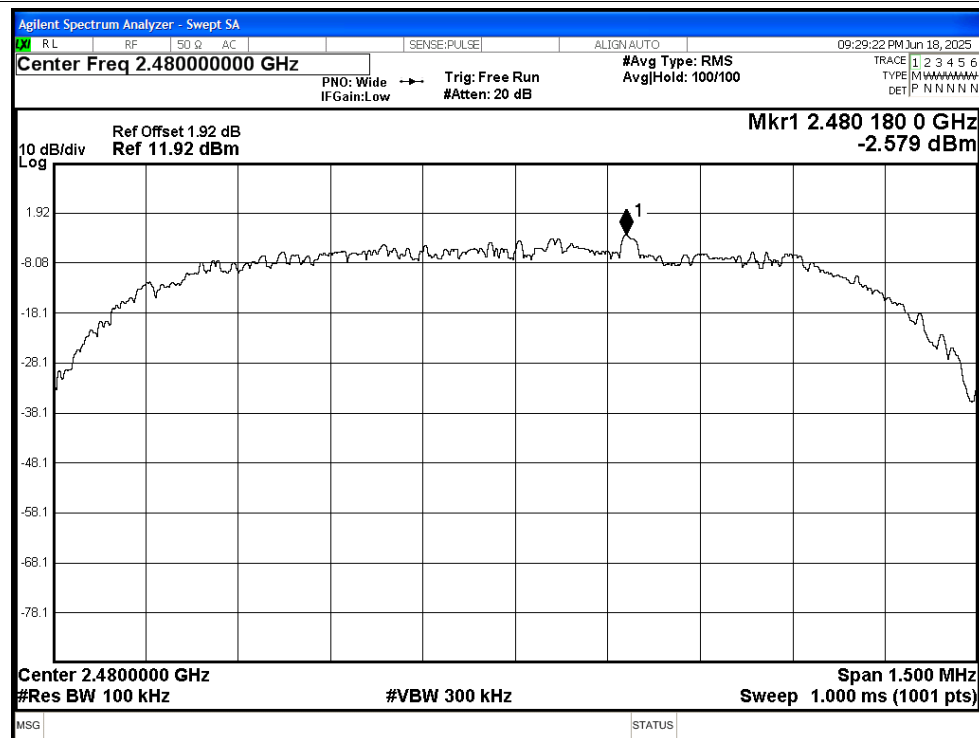
Tx. Spurious NVNT 2.4G 2441MHz Ant1 Ref



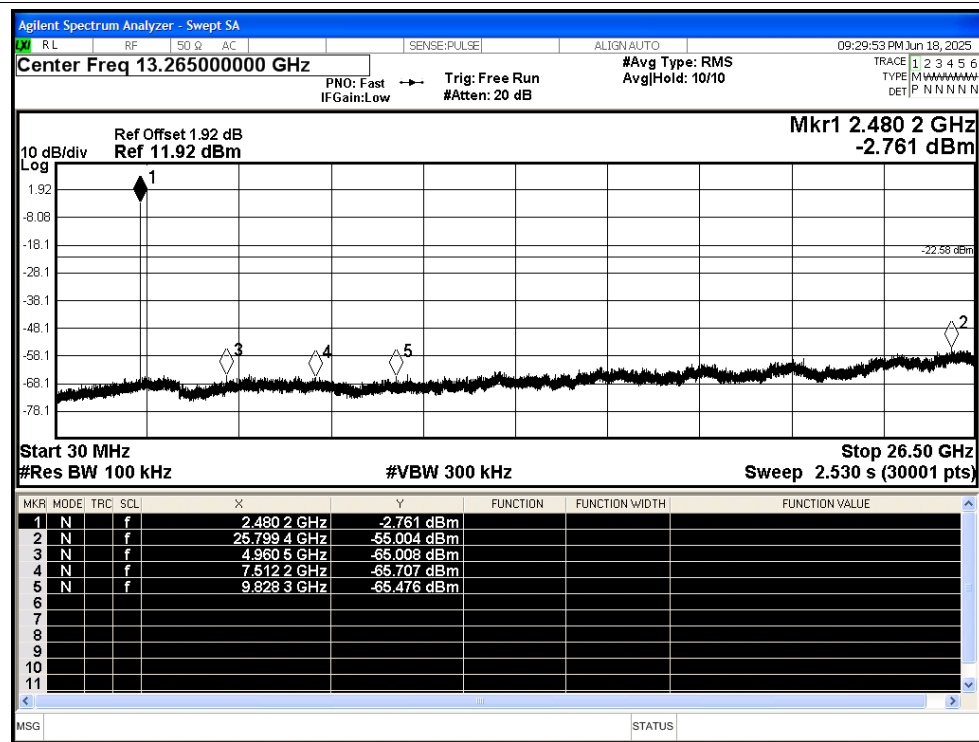
Tx. Spurious NVNT 2.4G 2441MHz Ant1 Emission



Tx. Spurious NVNT 2.4G 2480MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2480MHz Ant1 Emission

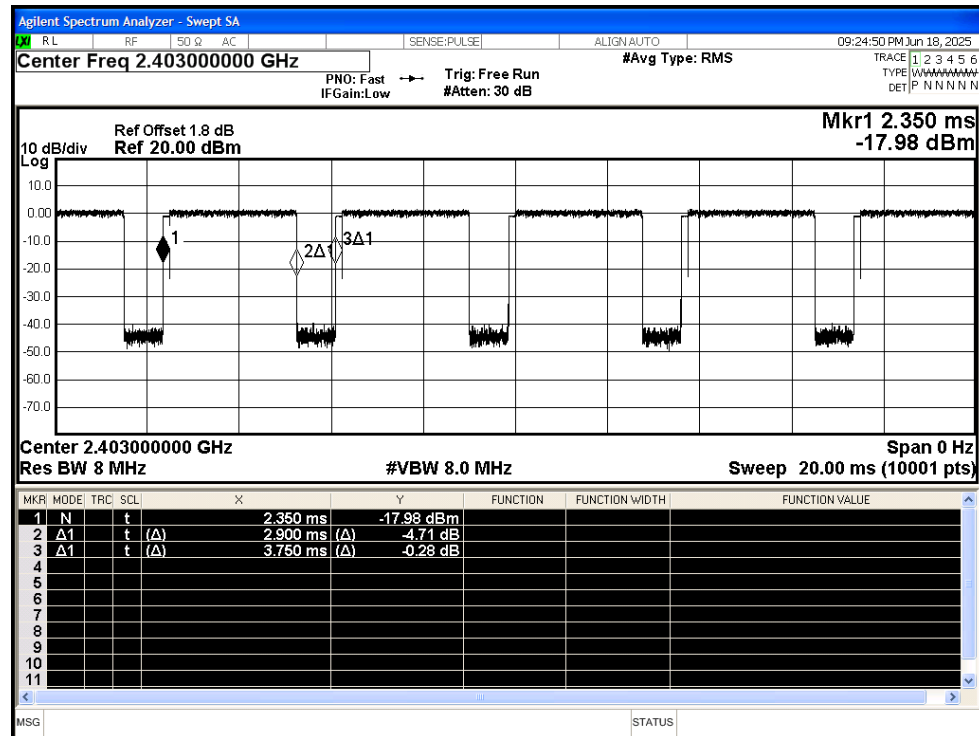


B.6 Duty Cycle

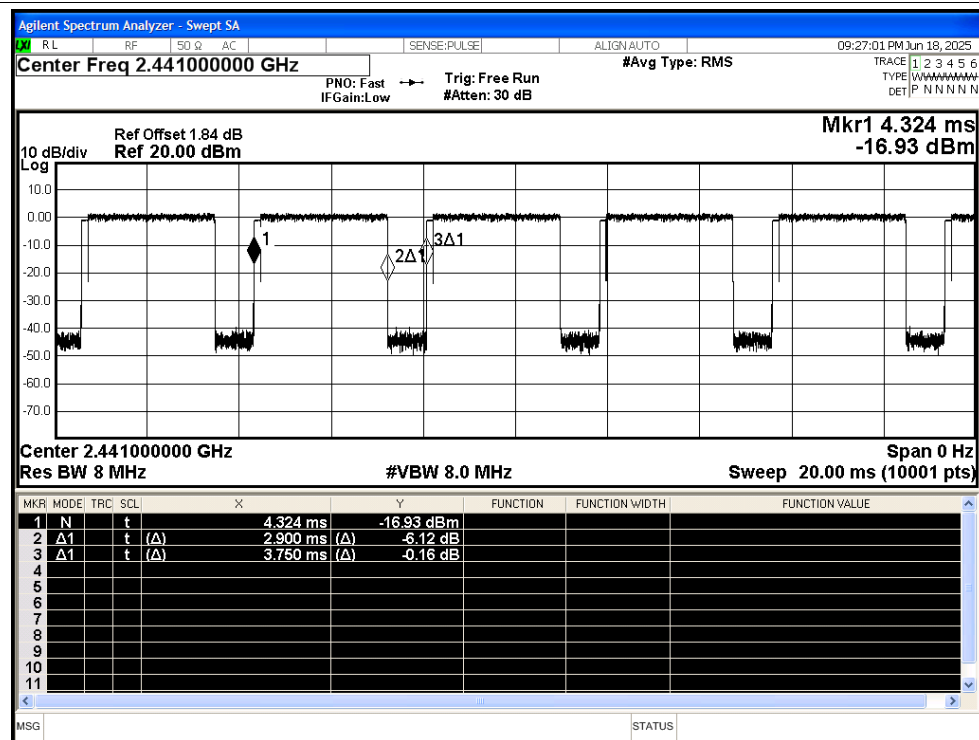
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2403	Ant1	77.33	1.12	0.34
NVNT	2.4G	2441	Ant1	77.33	1.12	0.34
NVNT	2.4G	2480	Ant1	97.91	0.09	7.12

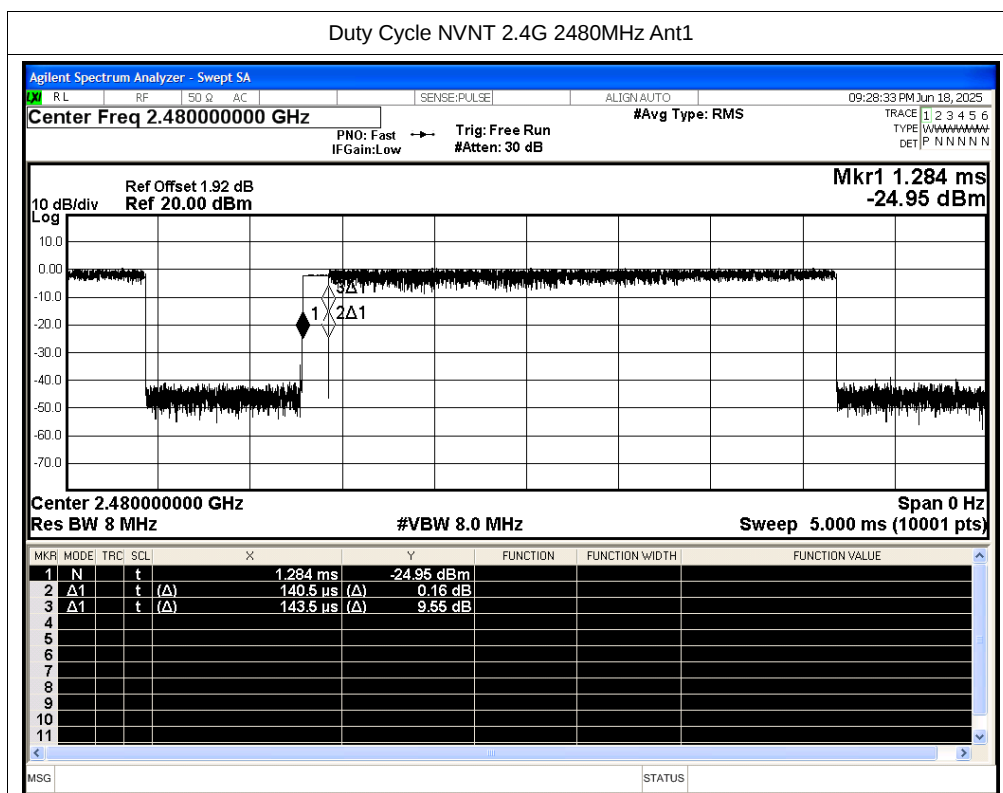
Test Graphs

Duty Cycle NVNT 2.4G 2403MHz Ant1



Duty Cycle NVNT 2.4G 2441MHz Ant1



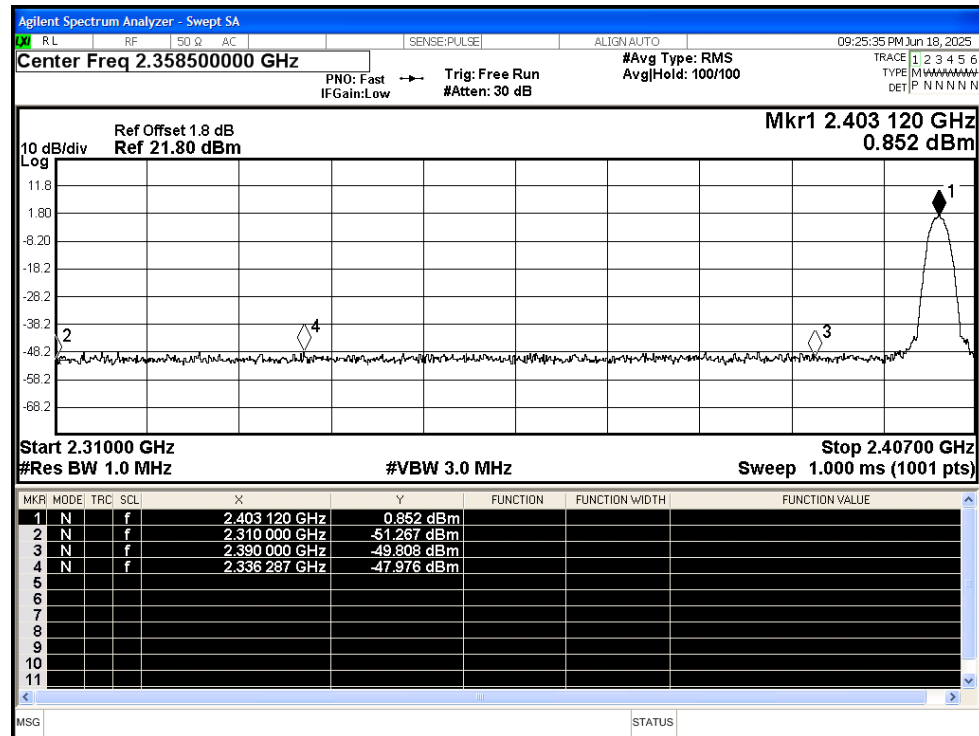


B.7 Restrict Band

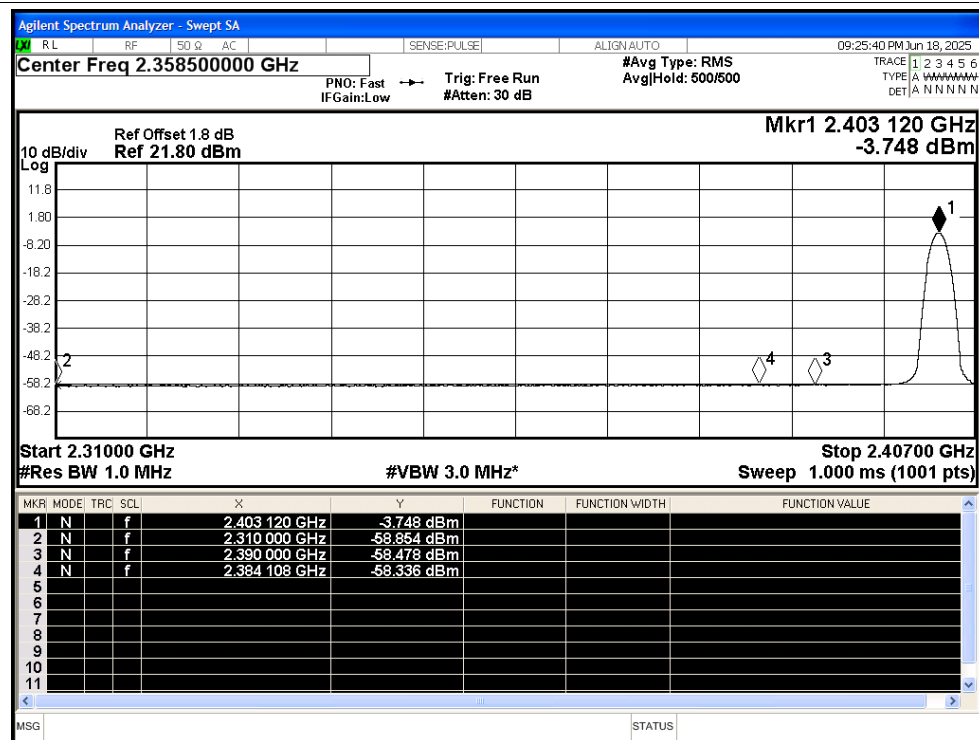
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2403	Ant1	2310	-51.27	2.03	-	46.02	Peak	74	Pass
NVNT	2.4G	2403	Ant1	2310	-58.85	2.03	1.12	39.56	Average	54	Pass
NVNT	2.4G	2403	Ant1	2336.287	-47.98	2.03	-	49.31	Peak	74	Pass
NVNT	2.4G	2403	Ant1	2384.108	-58.34	2.03	1.12	40.07	Average	54	Pass
NVNT	2.4G	2403	Ant1	2390	-49.81	2.03	-	47.48	Peak	74	Pass
NVNT	2.4G	2403	Ant1	2390	-58.48	2.03	1.12	39.93	Average	54	Pass
NVNT	2.4G	2480	Ant1	2483.5	-49.68	2.03	-	47.61	Peak	74	Pass
NVNT	2.4G	2480	Ant1	2483.5	-57.77	2.03	0.09	39.61	Average	54	Pass
NVNT	2.4G	2480	Ant1	2483.608	-46.94	2.03	-	50.35	Peak	74	Pass
NVNT	2.4G	2480	Ant1	2483.608	-57.67	2.03	0.09	39.71	Average	54	Pass
NVNT	2.4G	2480	Ant1	2500	-50.77	2.03	-	46.52	Peak	74	Pass
NVNT	2.4G	2480	Ant1	2500	-58.22	2.03	0.09	39.16	Average	54	Pass

Test Graphs

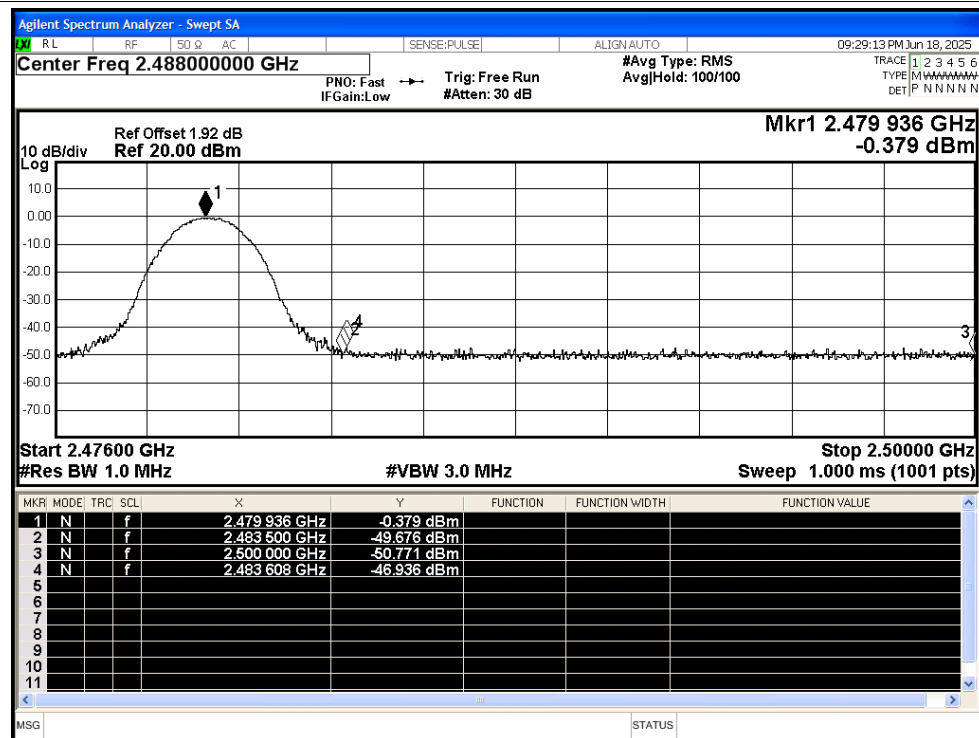
Restrict Band NVNT 2.4G 2403MHz Ant1 Peak



Restrict Band NVNT 2.4G 2403MHz Ant1 Average



Restrict Band NVNT 2.4G 2480MHz Ant1 Peak



Restrict Band NVNT 2.4G 2480MHz Ant1 Average

