

Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Floor lamp

Test Model: J5FLU17B00

Environmental Conditions

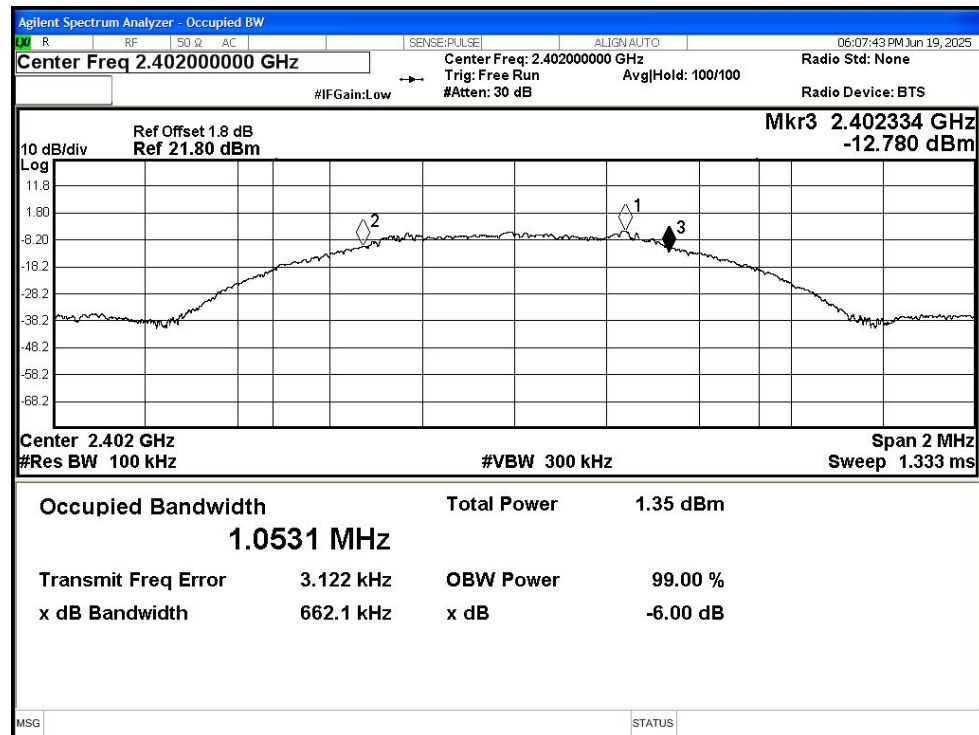
Temperature:	25.2°C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Jone.Lee
Supervised by:	Yan Chen

A.1 -6dB Bandwidth

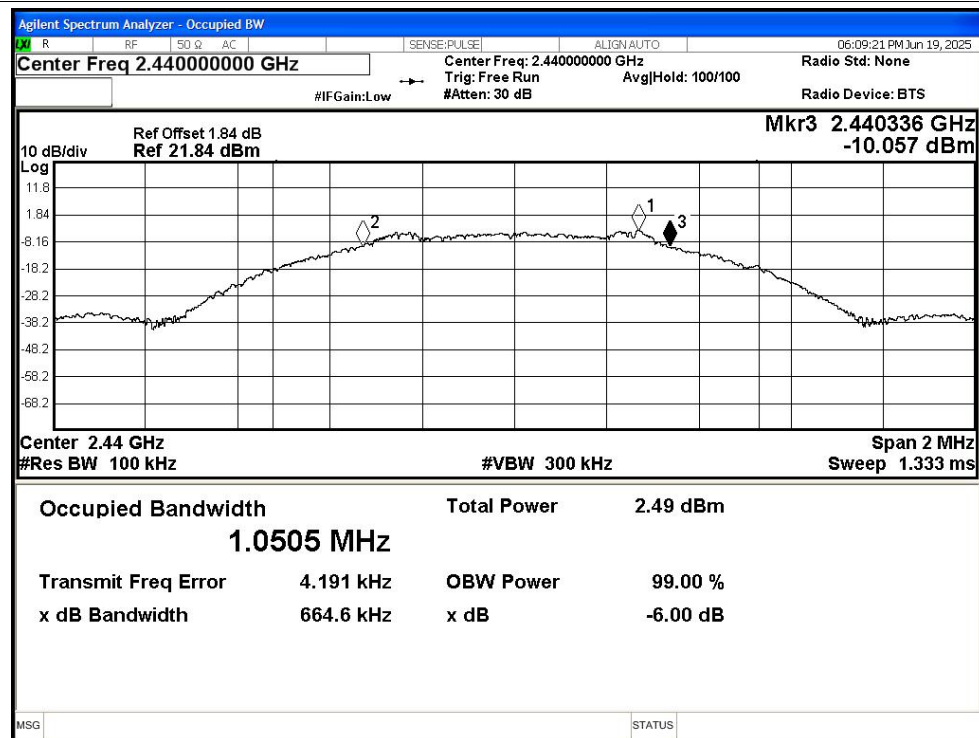
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.662	>=0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.665	>=0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.675	>=0.5	Pass

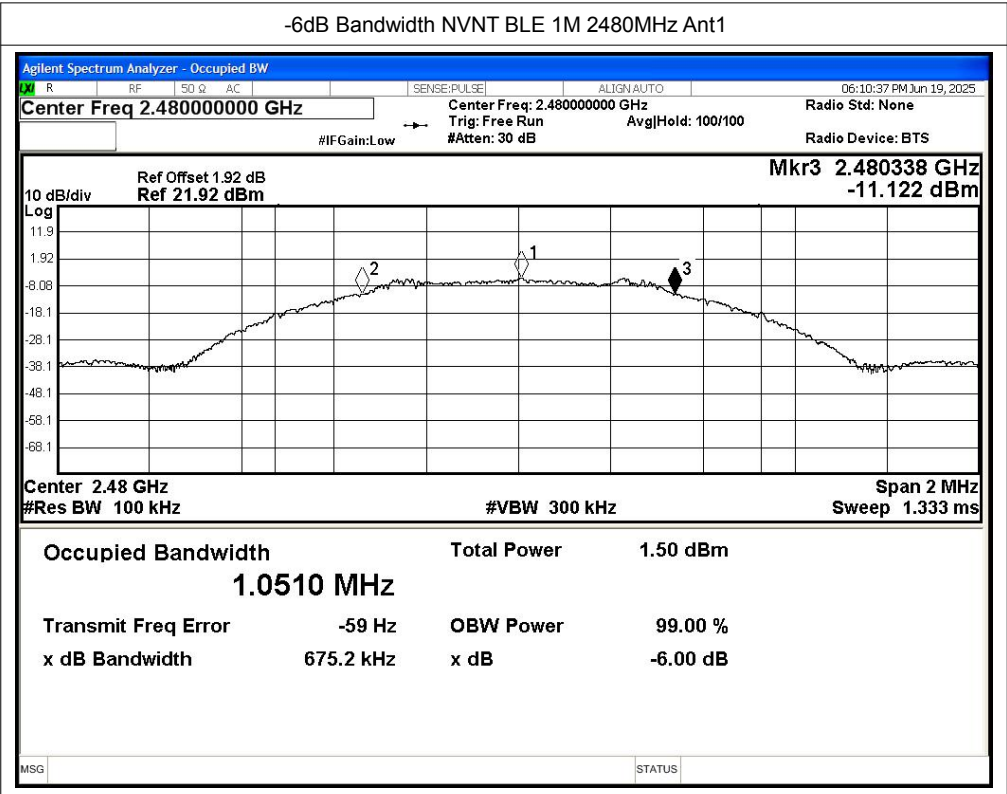
Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



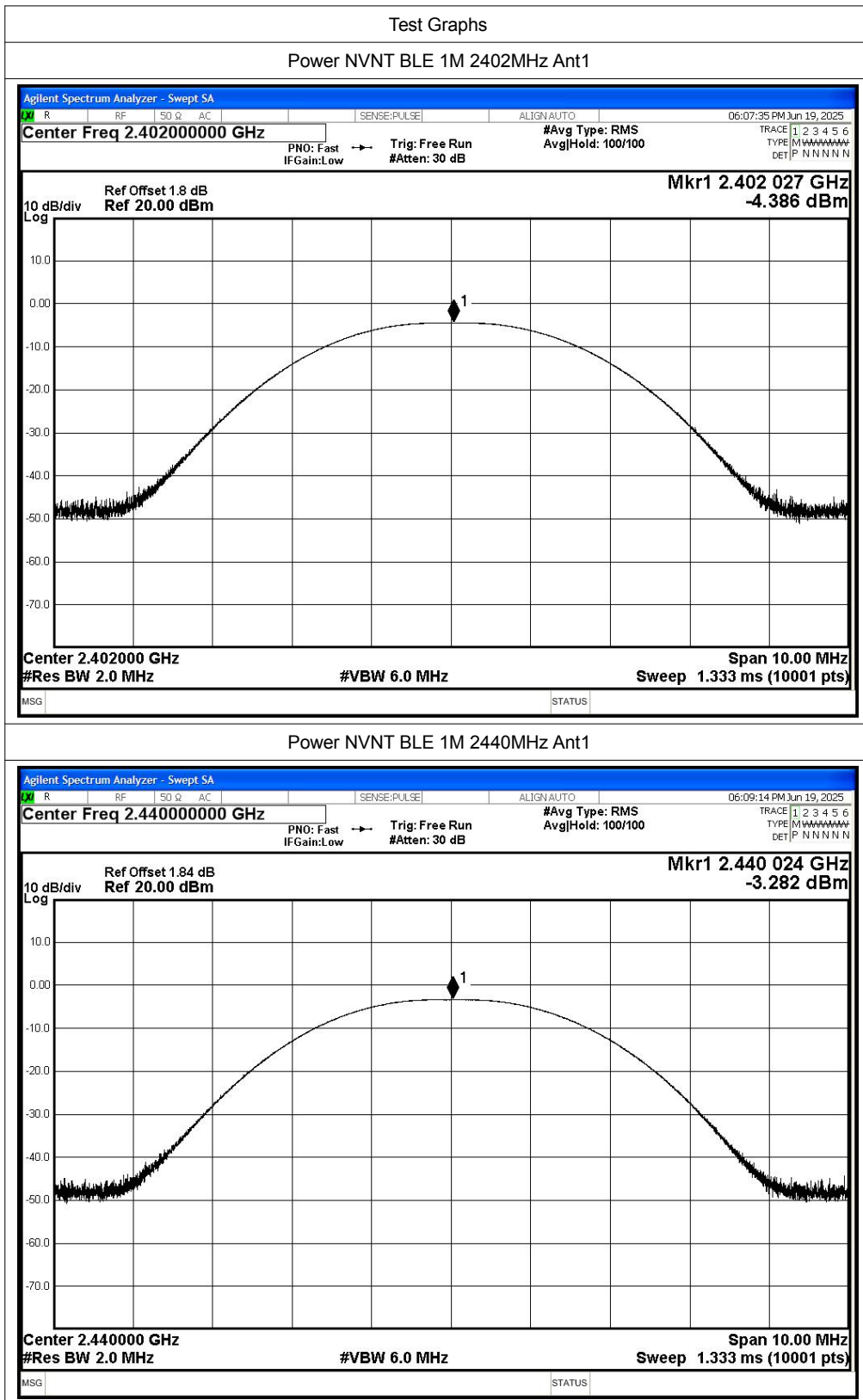
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

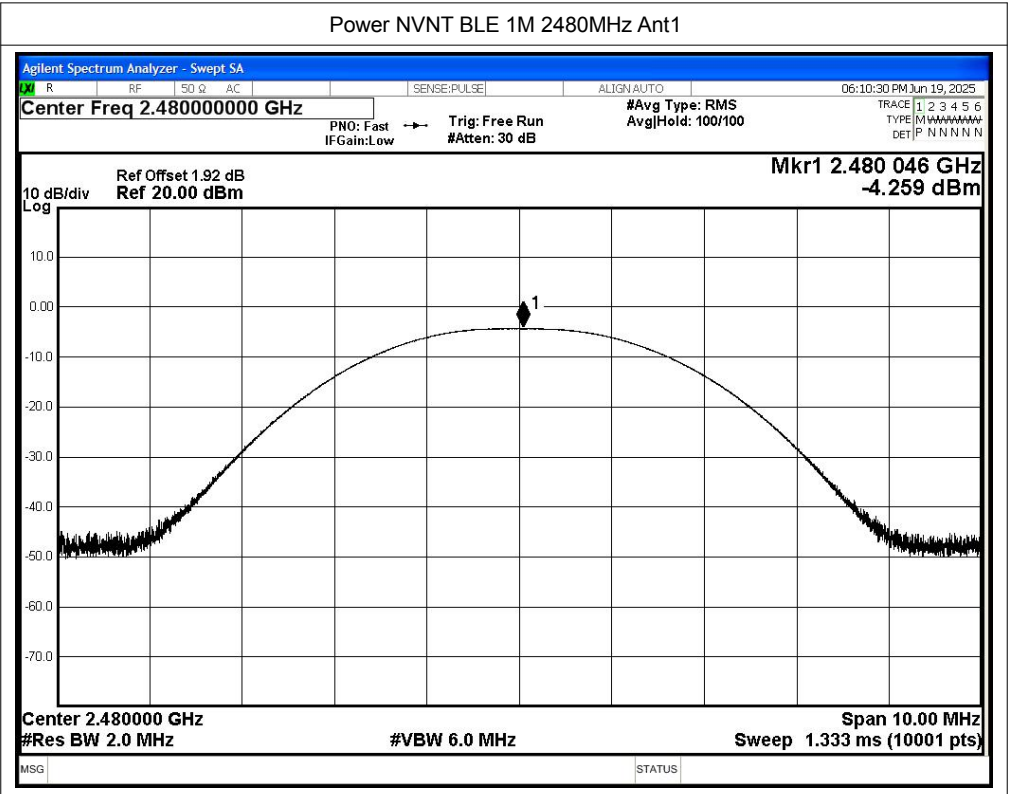




A.2 Maximum Peak Conducted Output Power

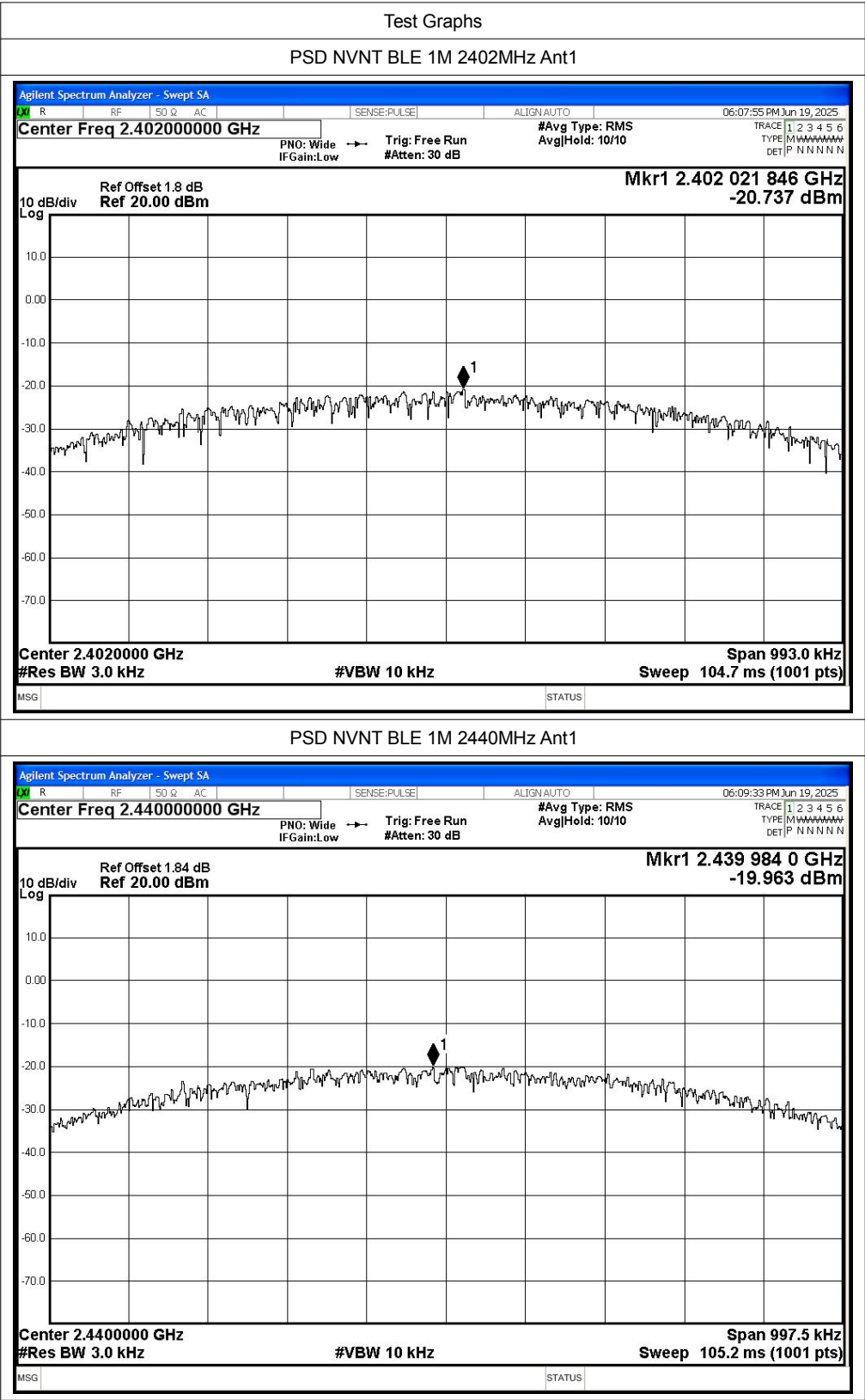
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-4.39	30	Pass
NVNT	BLE 1M	2440	Ant1	-3.28	30	Pass
NVNT	BLE 1M	2480	Ant1	-4.26	30	Pass

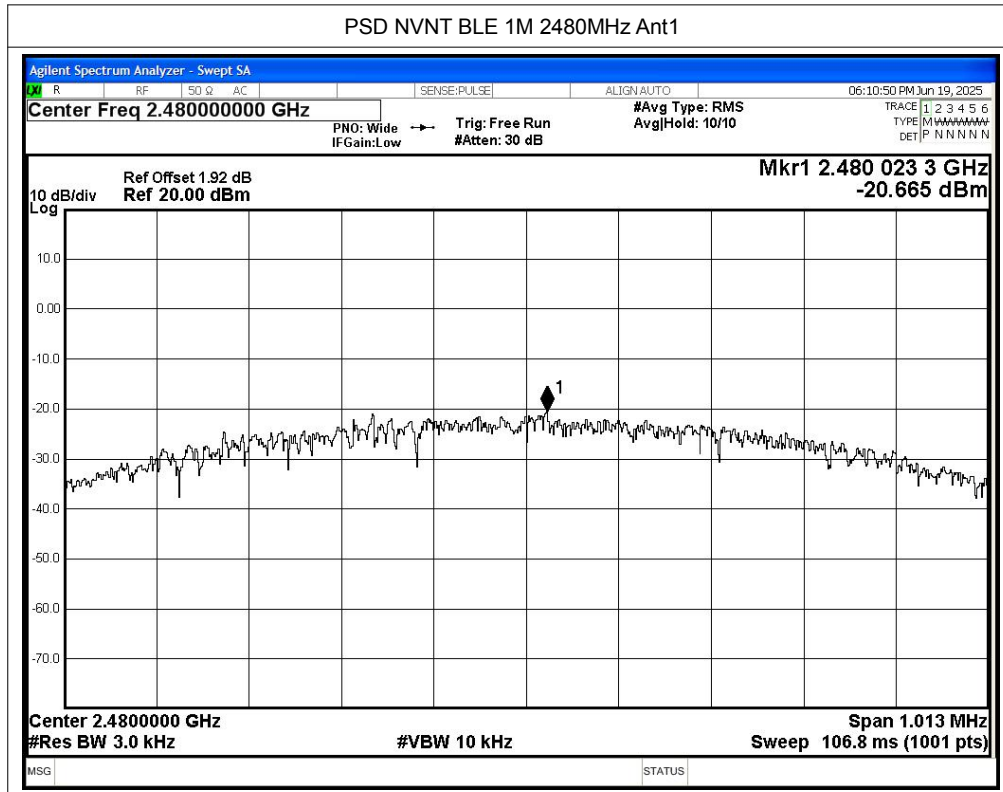




A.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-20.74	8	Pass
NVNT	BLE 1M	2440	Ant1	-19.96	8	Pass
NVNT	BLE 1M	2480	Ant1	-20.67	8	Pass



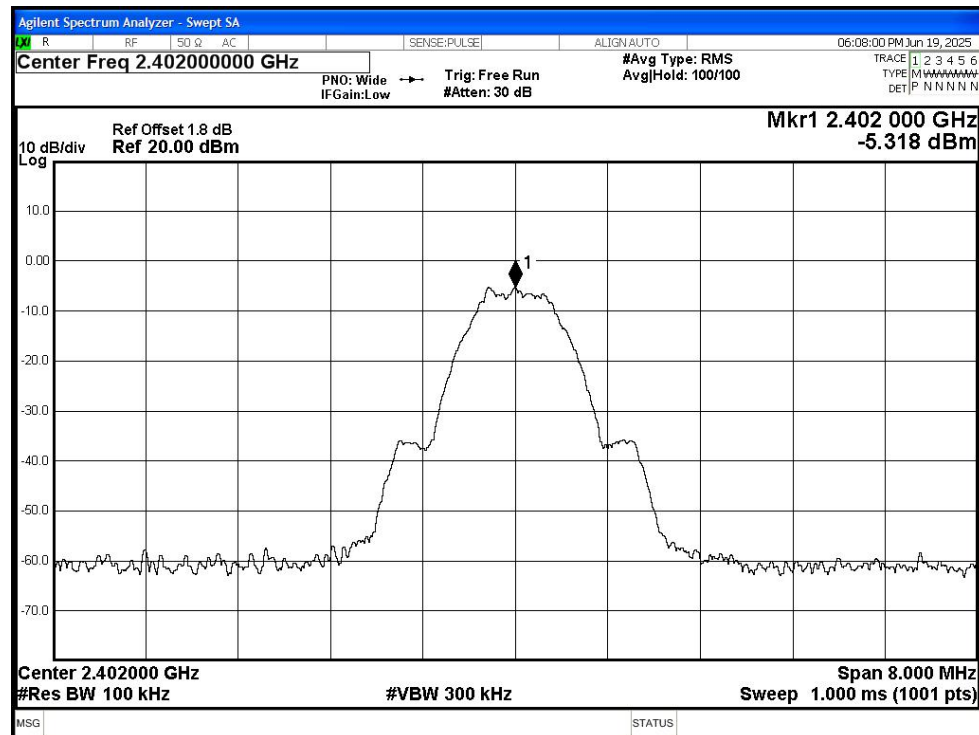


A.4 Band Edge

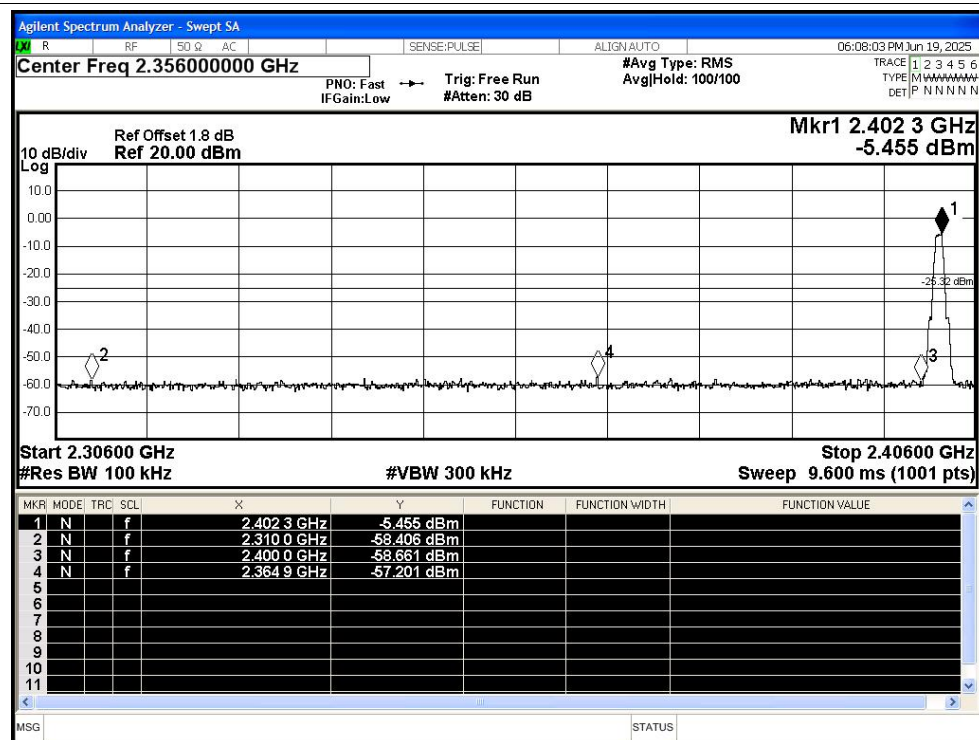
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.88	-20	Pass
NVNT	BLE 1M	2480	Ant1	-51.48	-20	Pass

Test Graphs

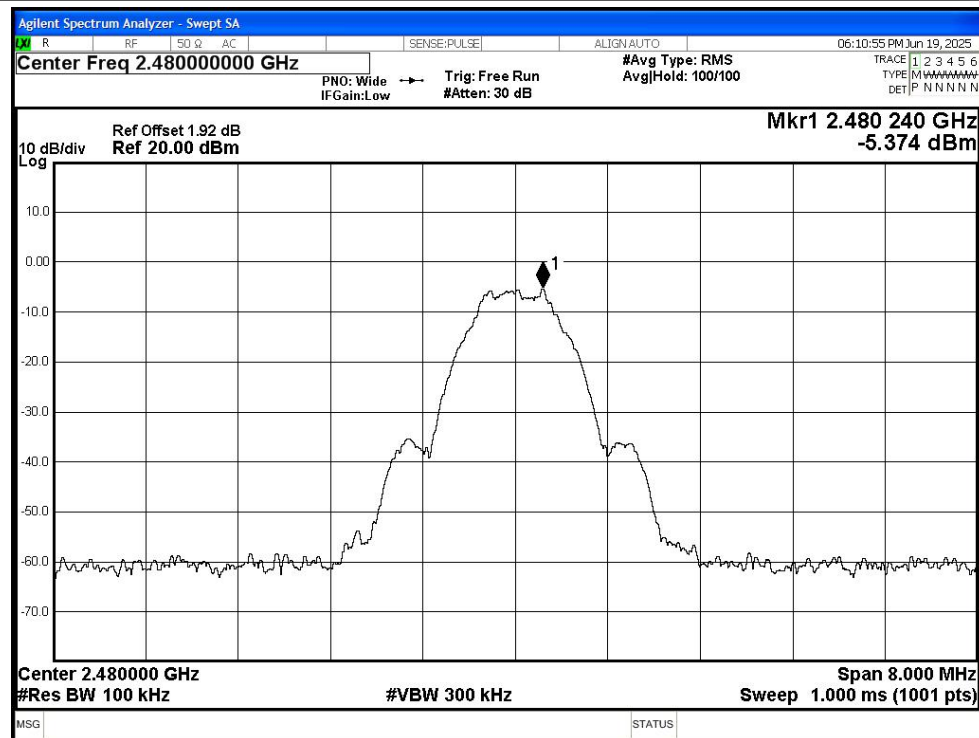
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



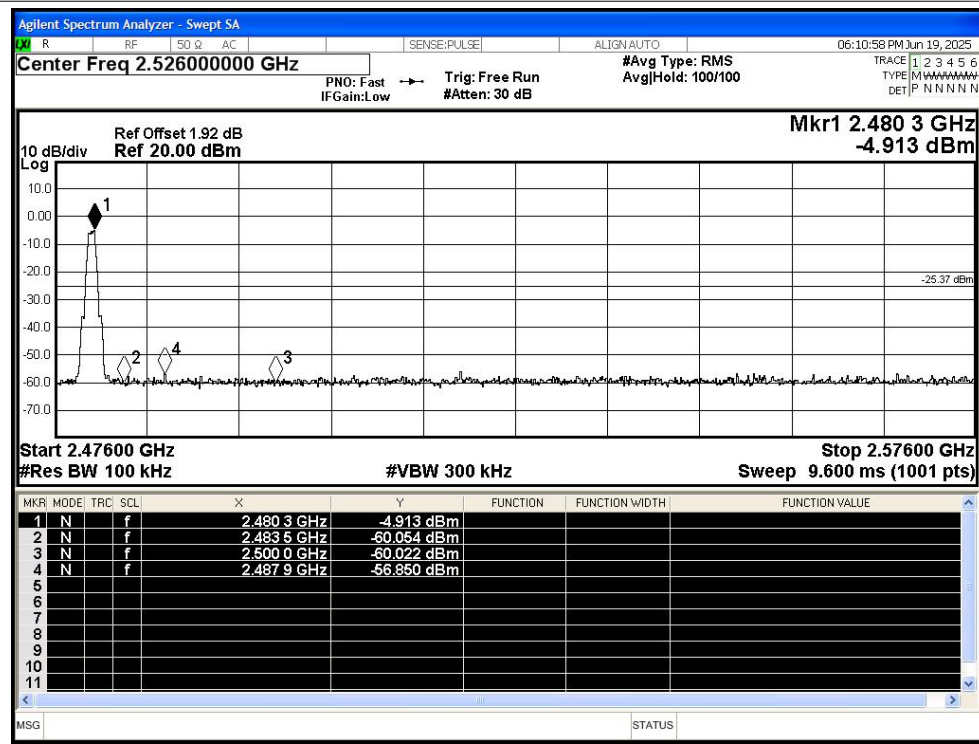
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

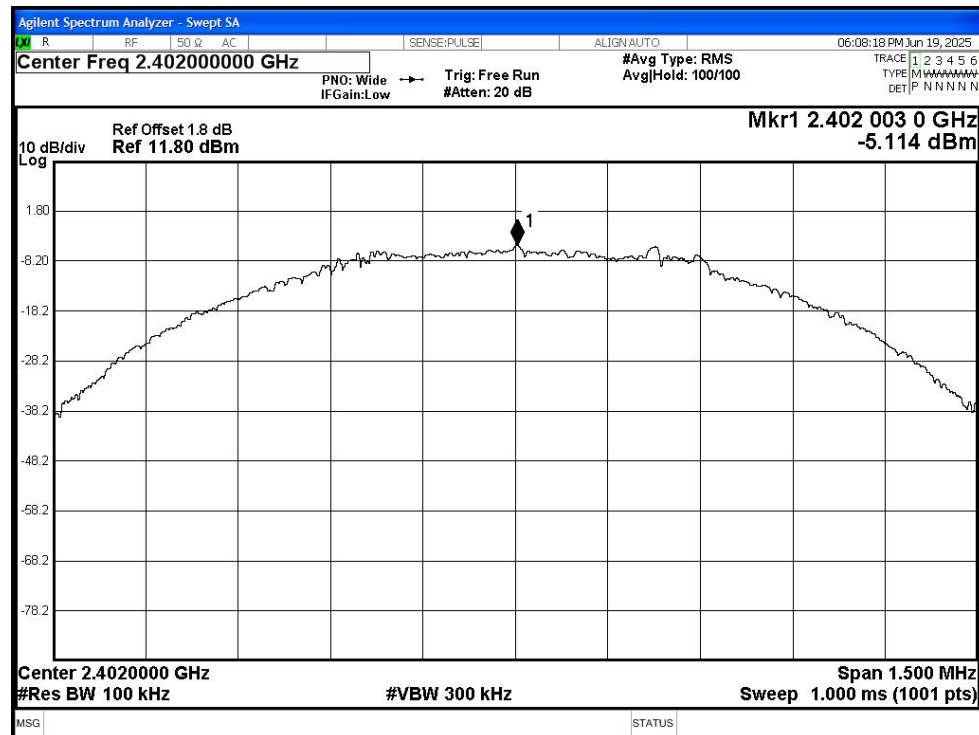


A.5 Conducted RF Spurious Emission

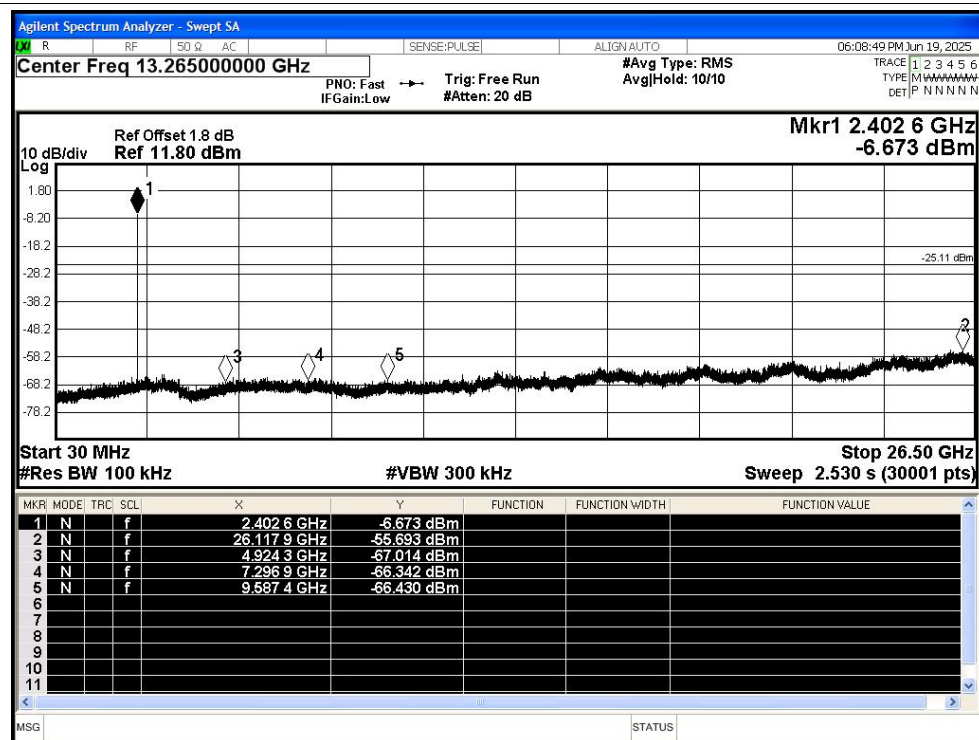
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-50.58	-20	Pass
NVNT	BLE 1M	2440	Ant1	-49.87	-20	Pass
NVNT	BLE 1M	2480	Ant1	-50.03	-20	Pass

Test Graphs

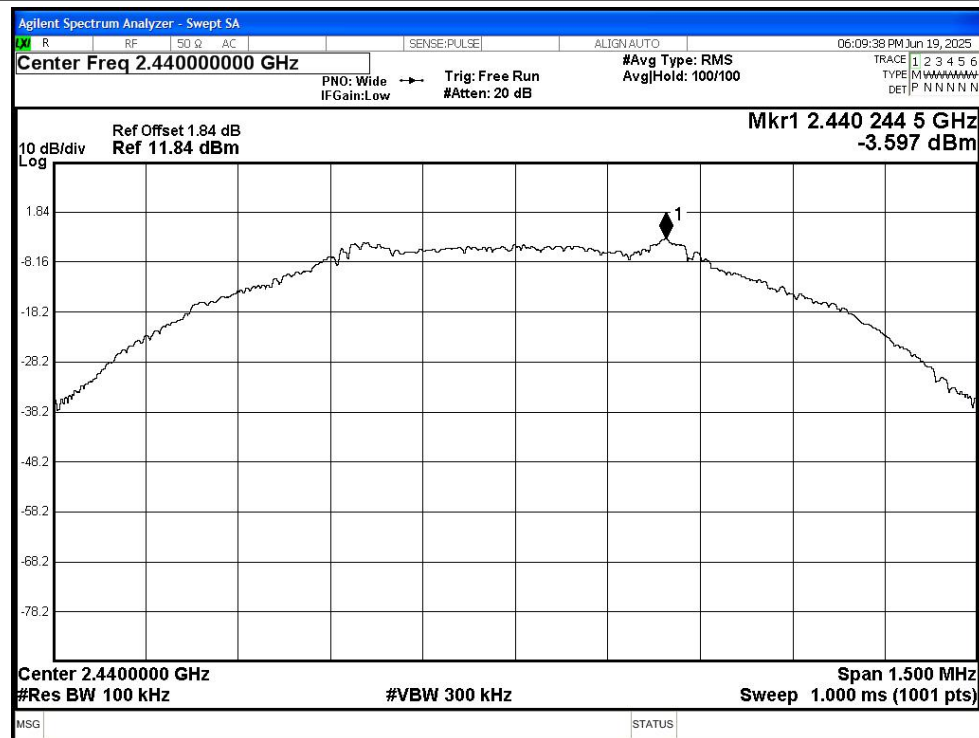
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



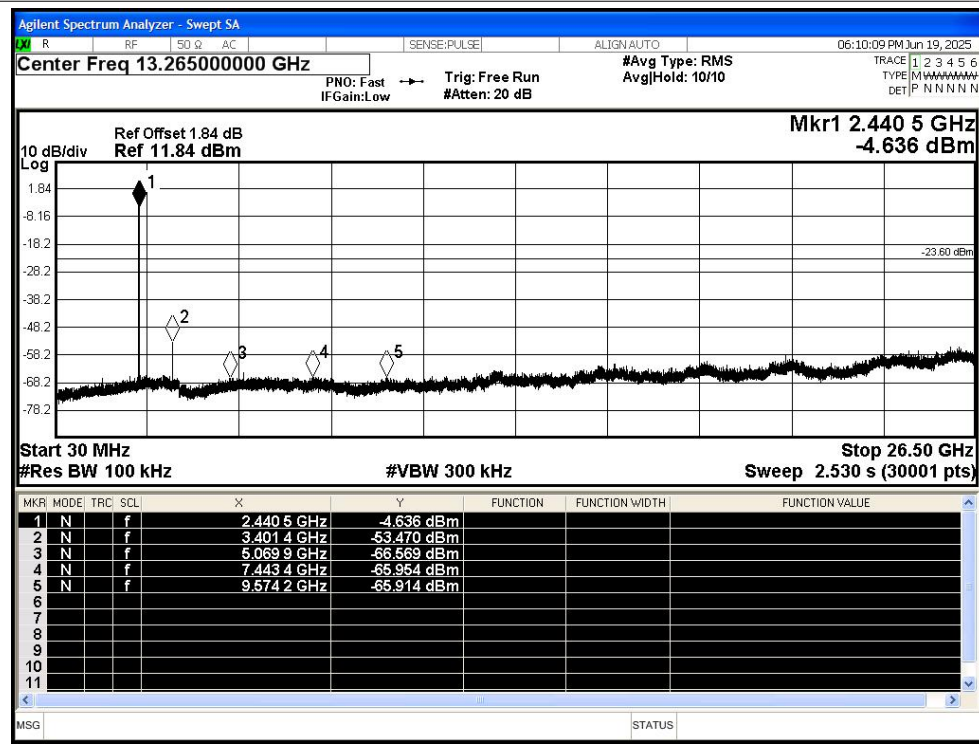
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



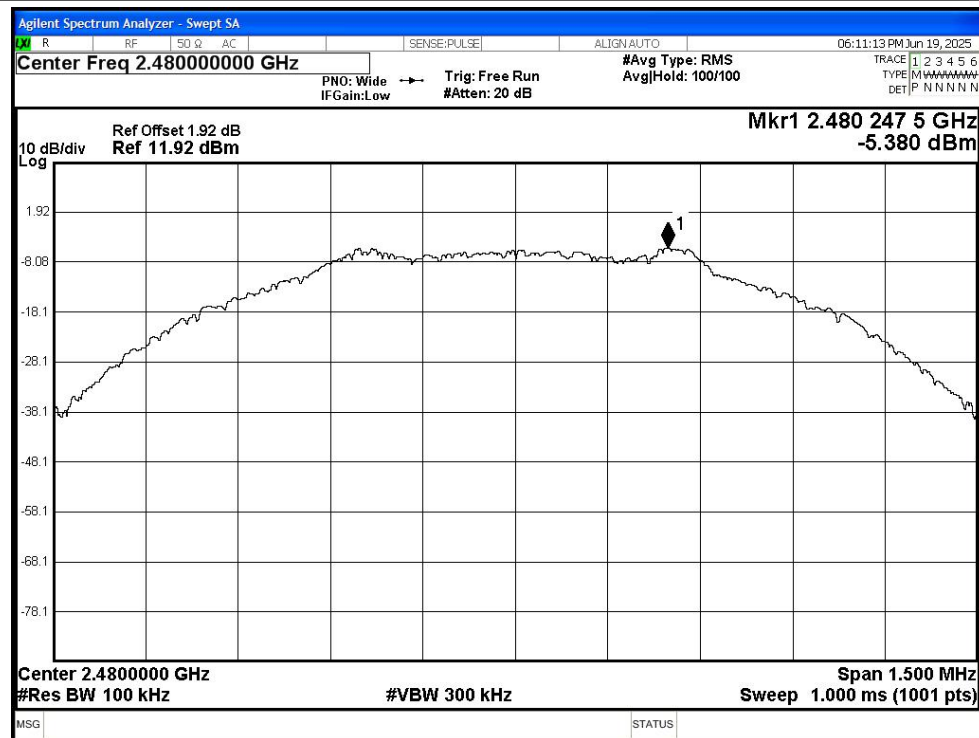
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



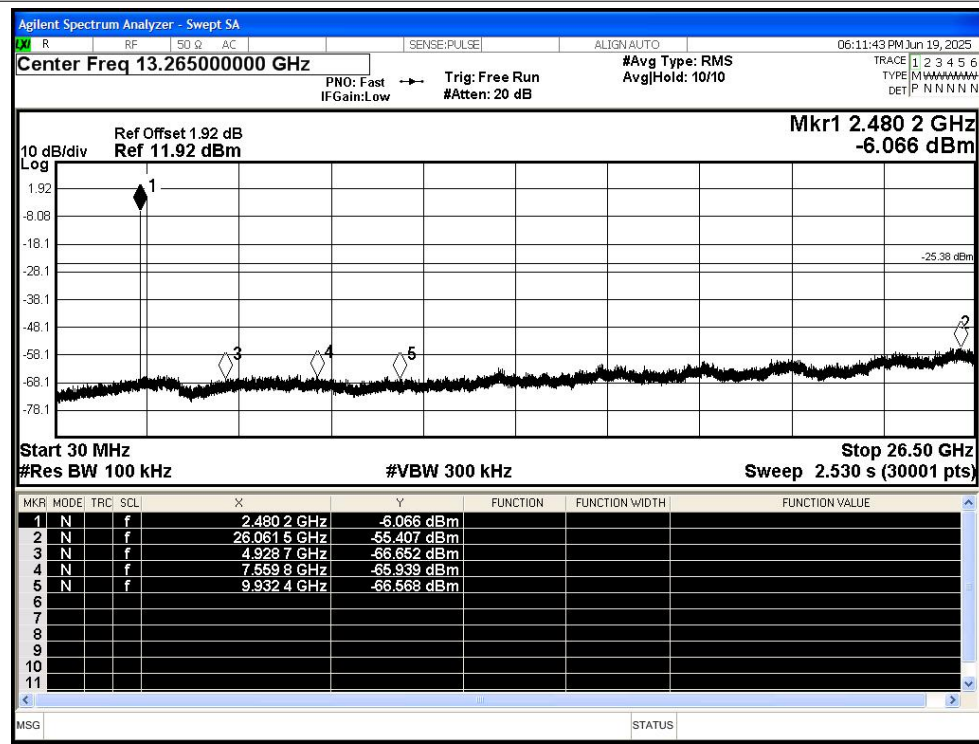
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref

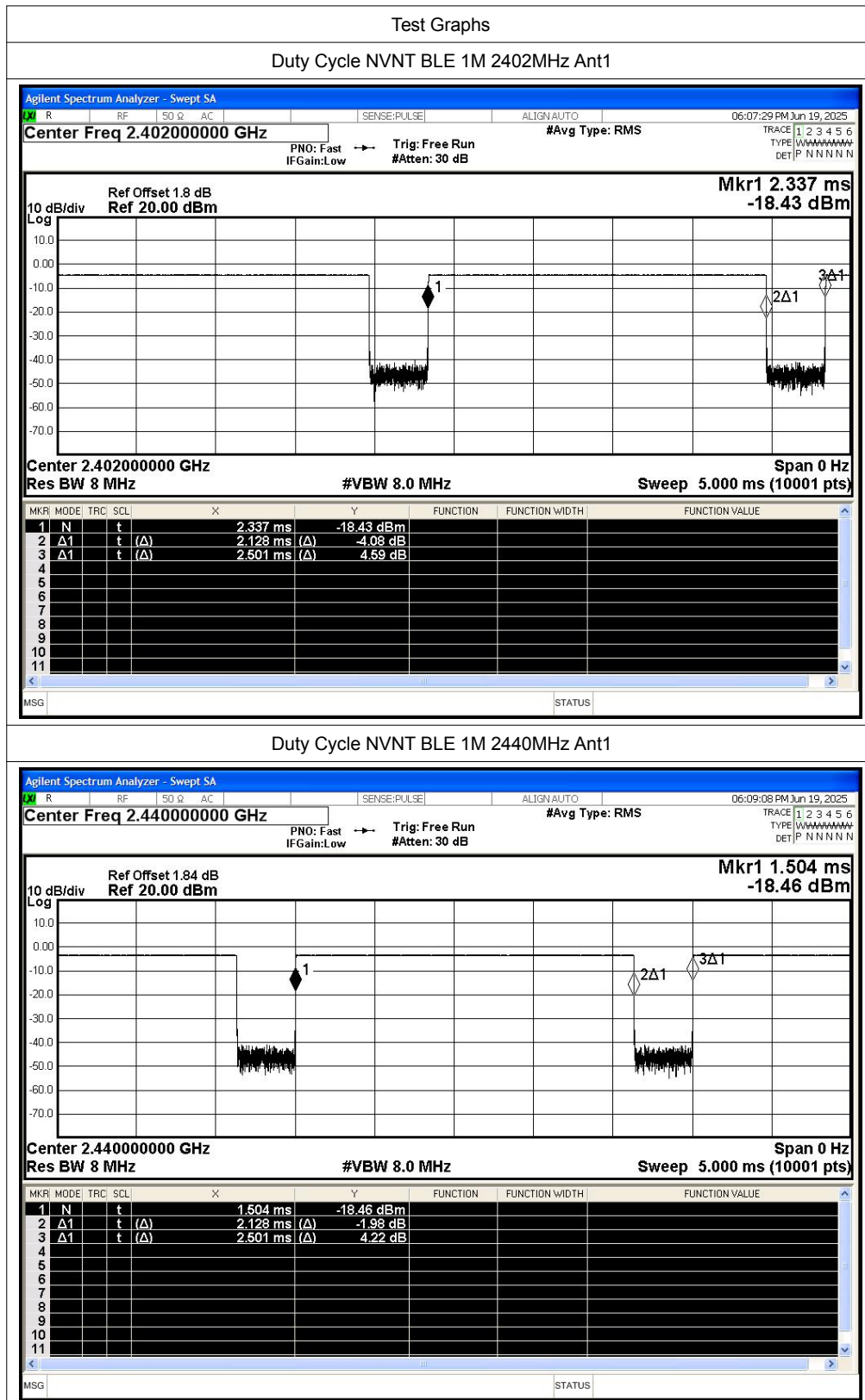


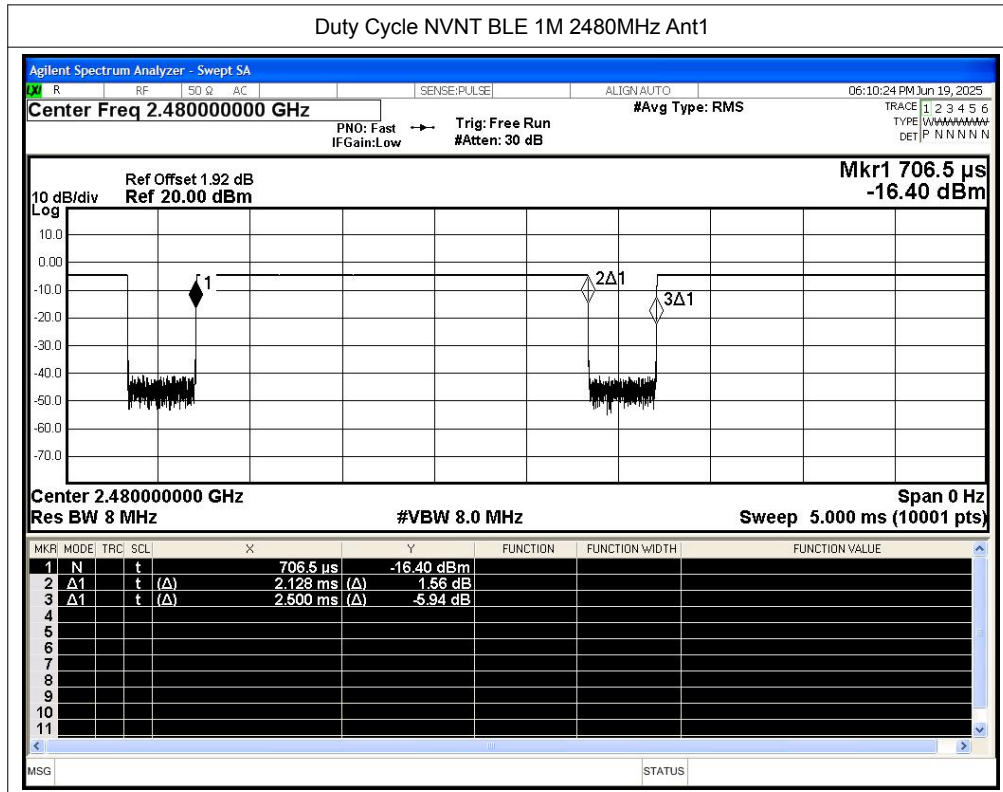
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



A.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.1	0.7	0.47
NVNT	BLE 1M	2440	Ant1	85.1	0.7	0.47
NVNT	BLE 1M	2480	Ant1	85.1	0.7	0.47



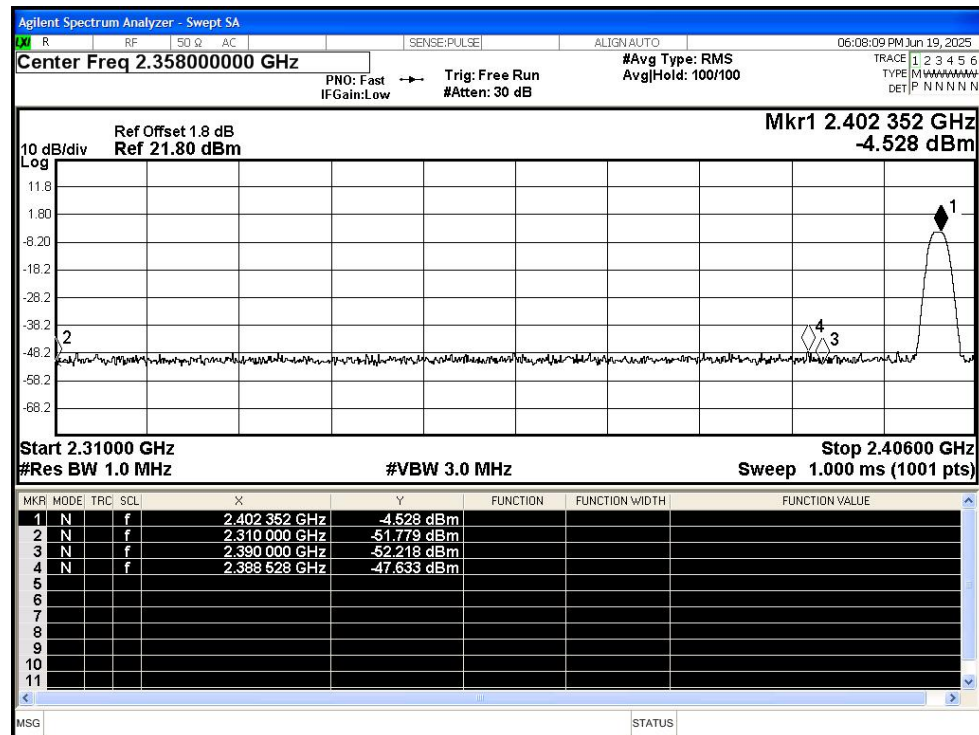


A.7 Restrict Band

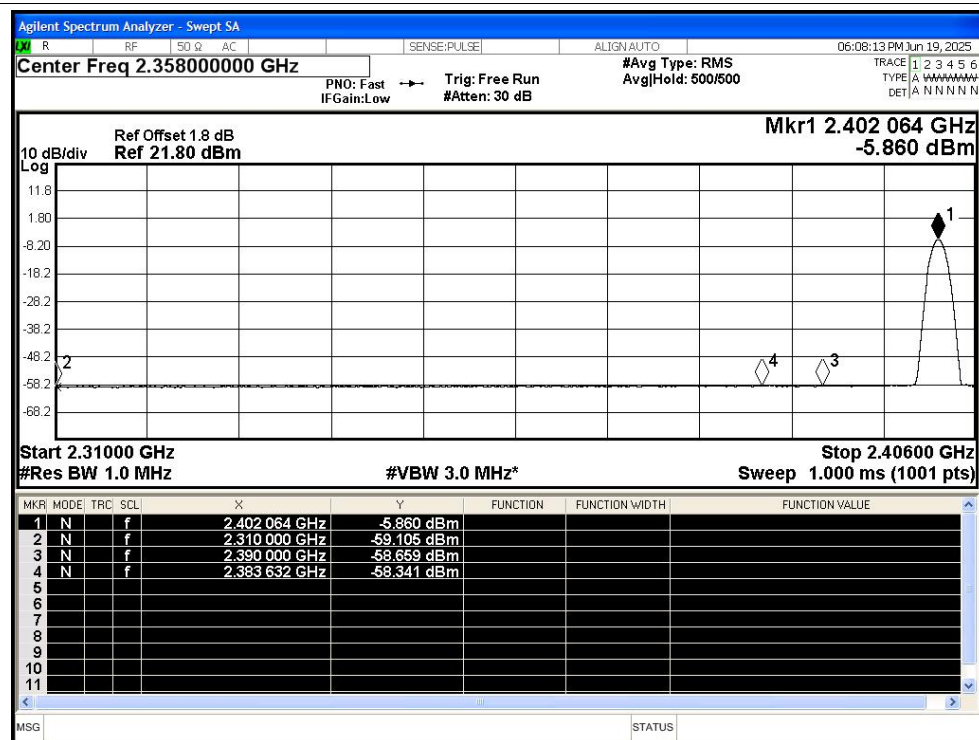
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant1	2310	-51.78	2.50	-	45.98	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-59.11	2.50	0.7	39.35	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2388.528	-47.63	2.50	-	50.13	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2383.632	-58.34	2.50	0.7	40.12	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2390	-52.22	2.50	-	45.54	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2390	-58.66	2.50	0.7	39.80	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-50.09	2.50	-	47.67	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-58.27	2.50	0.7	40.19	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2494.504	-45.98	2.50	-	51.78	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2485.168	-57.86	2.50	0.7	40.60	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2500	-50.2	2.50	-	47.56	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2500	-58.27	2.50	0.7	40.19	Average	54	Pass

Test Graphs

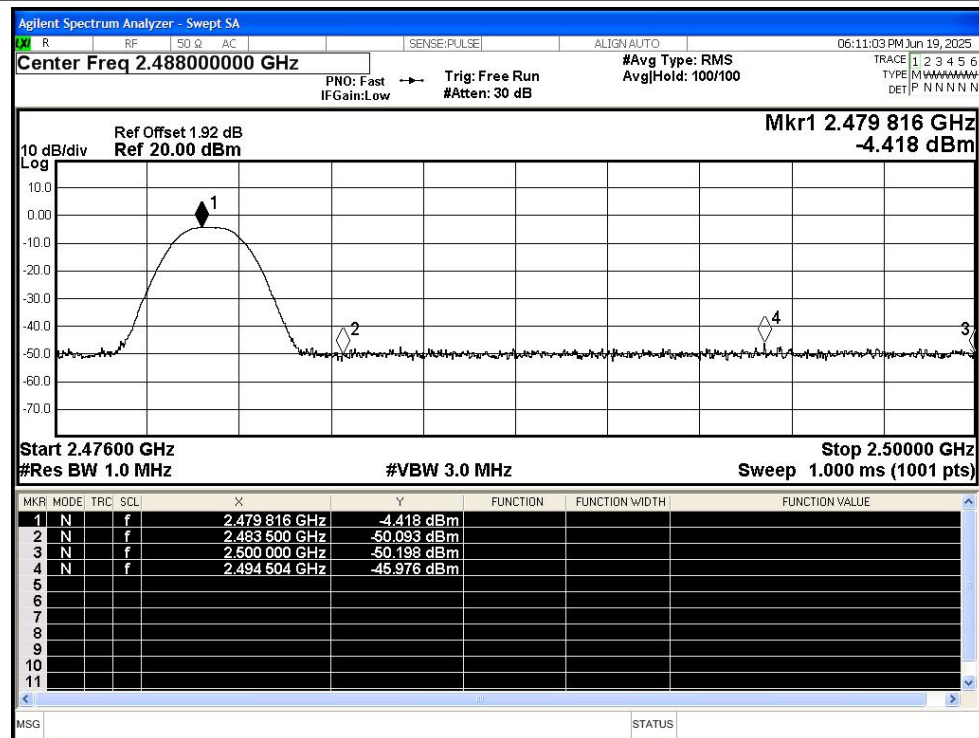
Restrict Band NVNT BLE 1M 2402MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2402MHz Ant1 Average



Restrict Band NVNT BLE 1M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2480MHz Ant1 Average

