



Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: 8inch tablet PC

Test Model: SoyMomo_Pro_V2

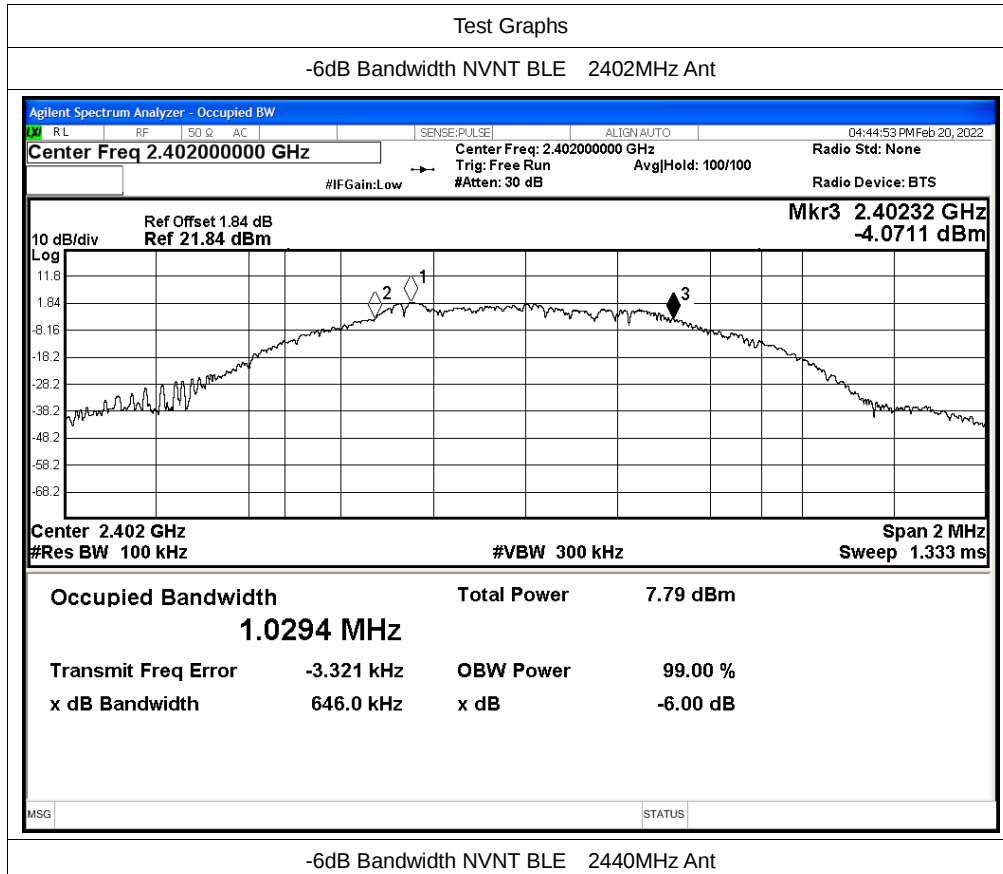
Environmental Conditions

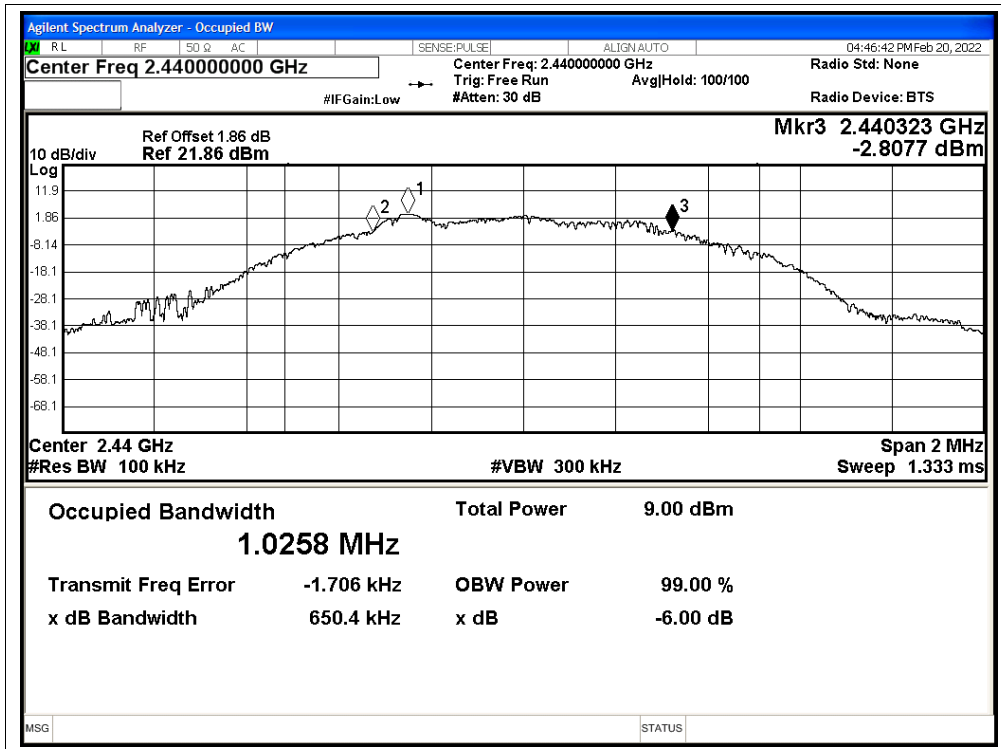
Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

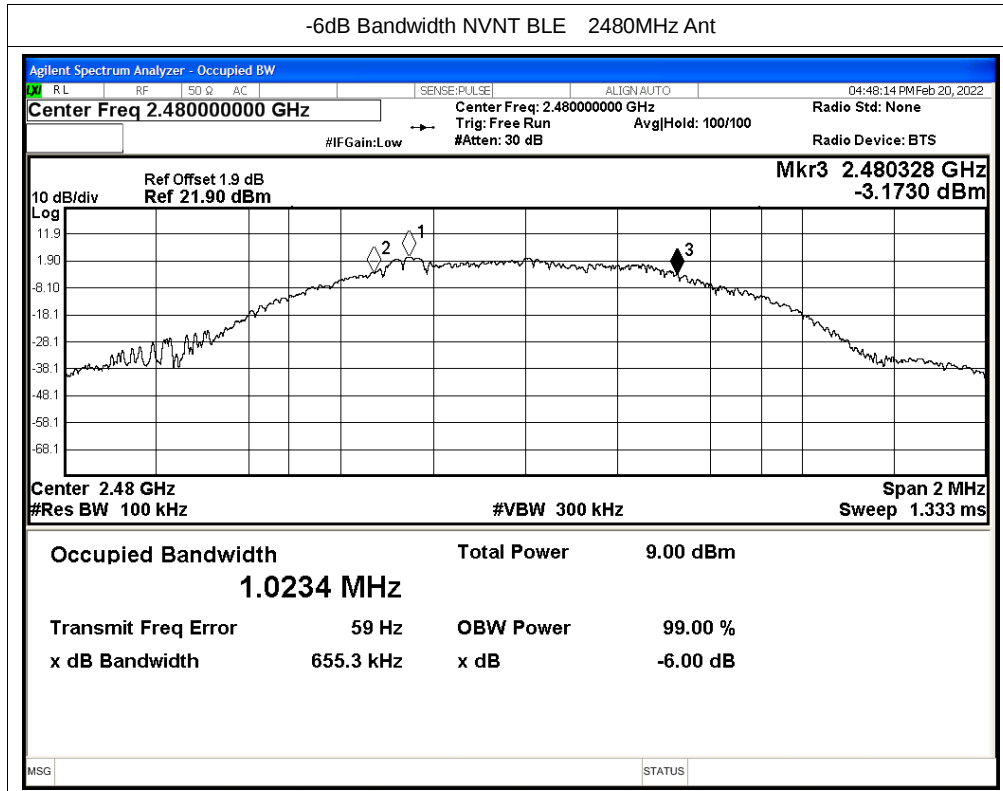


B.1 6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant	0.646	0.5	Pass
NVNT	BLE	2440	Ant	0.650	0.5	Pass
NVNT	BLE	2480	Ant	0.655	0.5	Pass









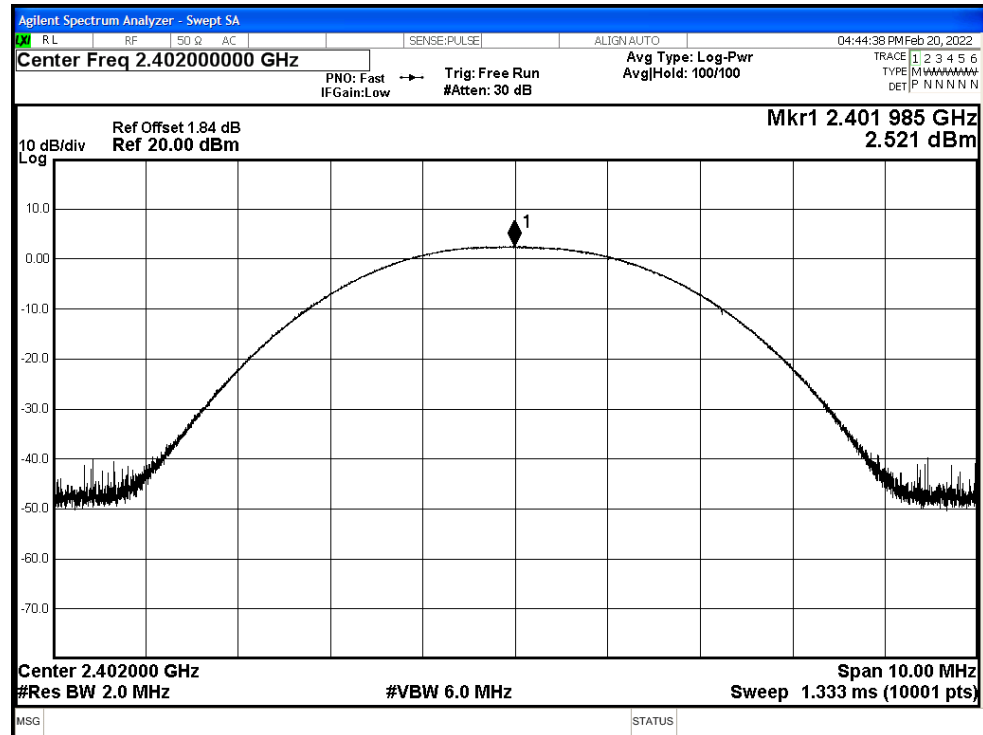
B.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant	2.52	0	2.52	30	Pass
NVNT	BLE	2440	Ant	3.58	0	3.58	30	Pass
NVNT	BLE	2480	Ant	3.65	0	3.65	30	Pass

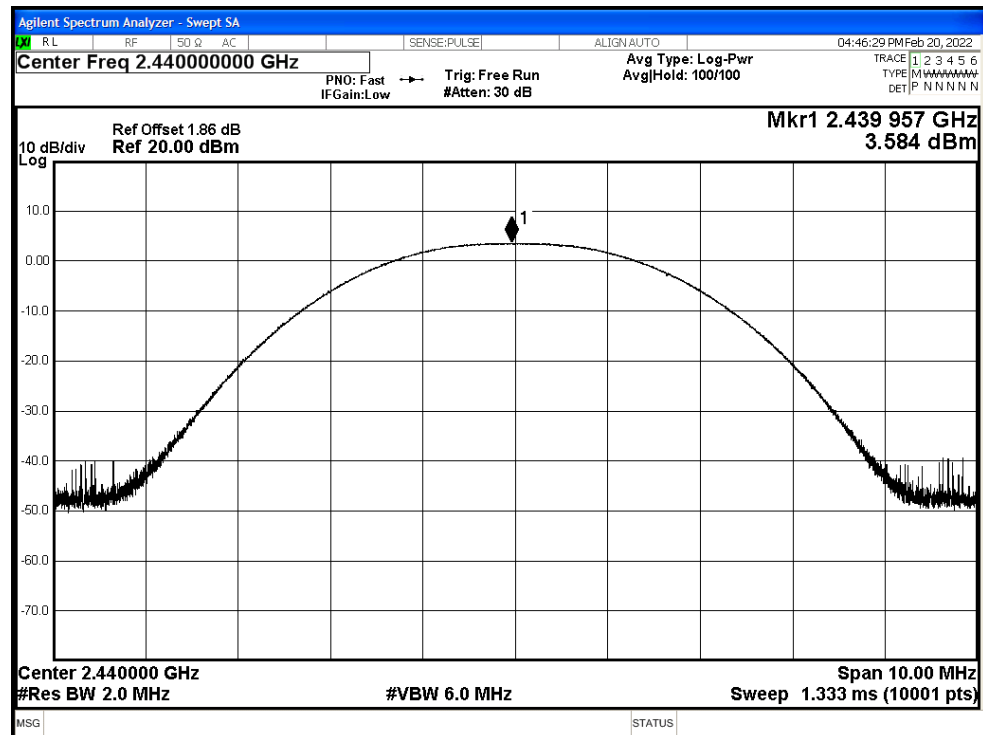


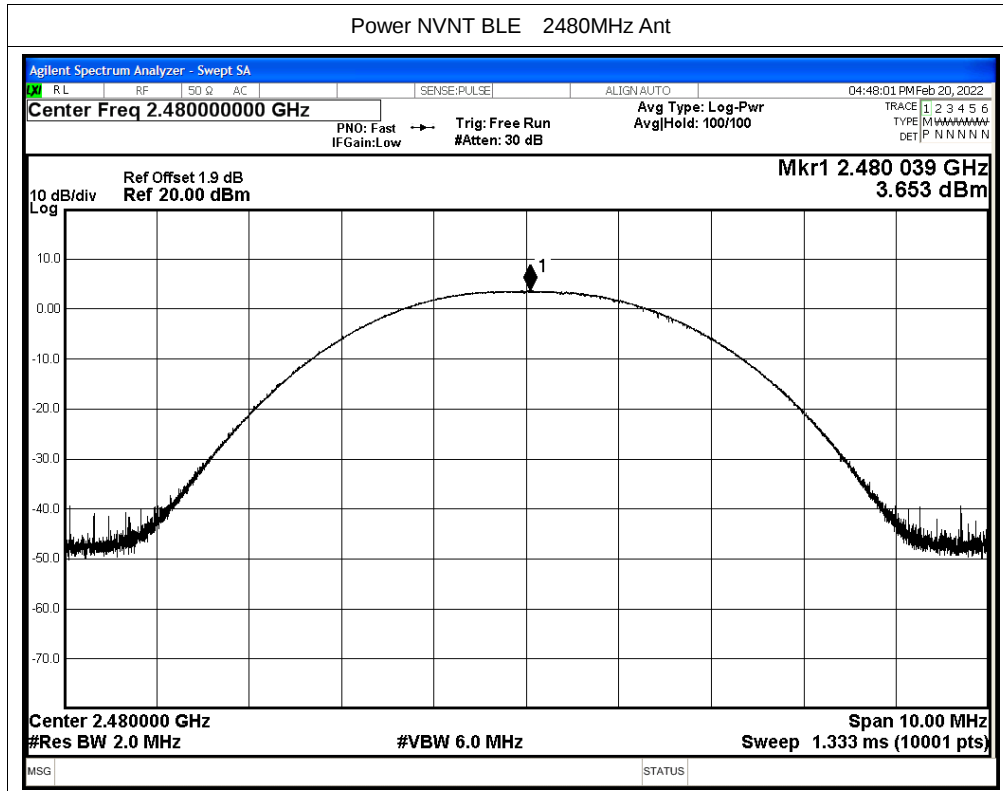
Test Graphs

Power NVNT BLE 2402MHz Ant



Power NVNT BLE 2440MHz Ant







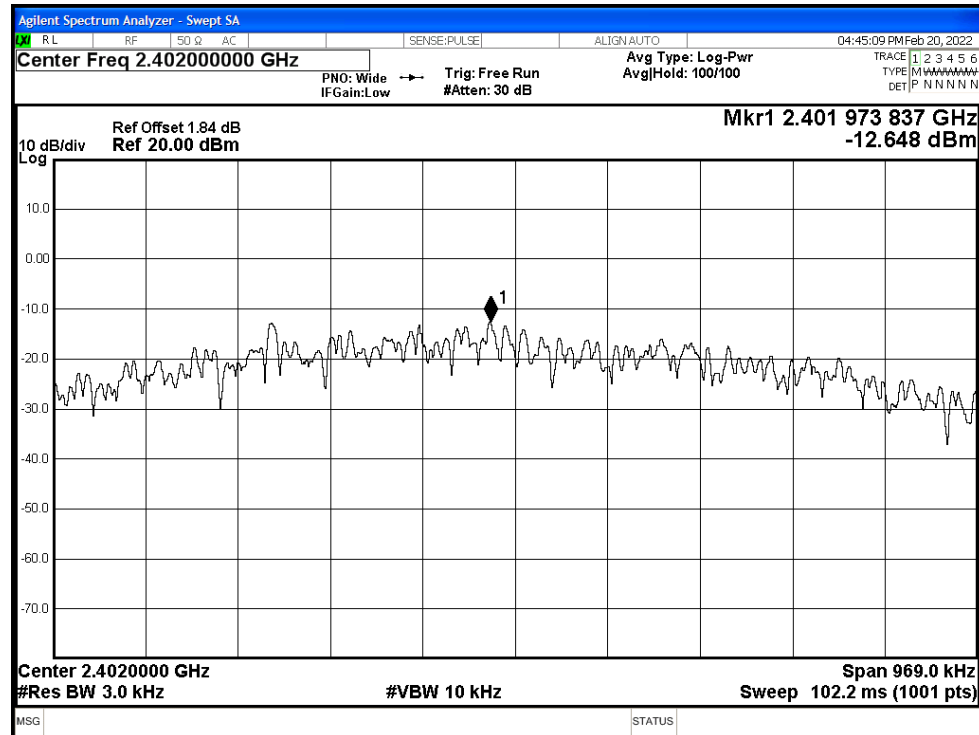
B.3 Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE	2402	Ant	-12.65	0	-12.65	8	Pass
NVNT	BLE	2440	Ant	-11.87	0	-11.87	8	Pass
NVNT	BLE	2480	Ant	-11.52	0	-11.52	8	Pass

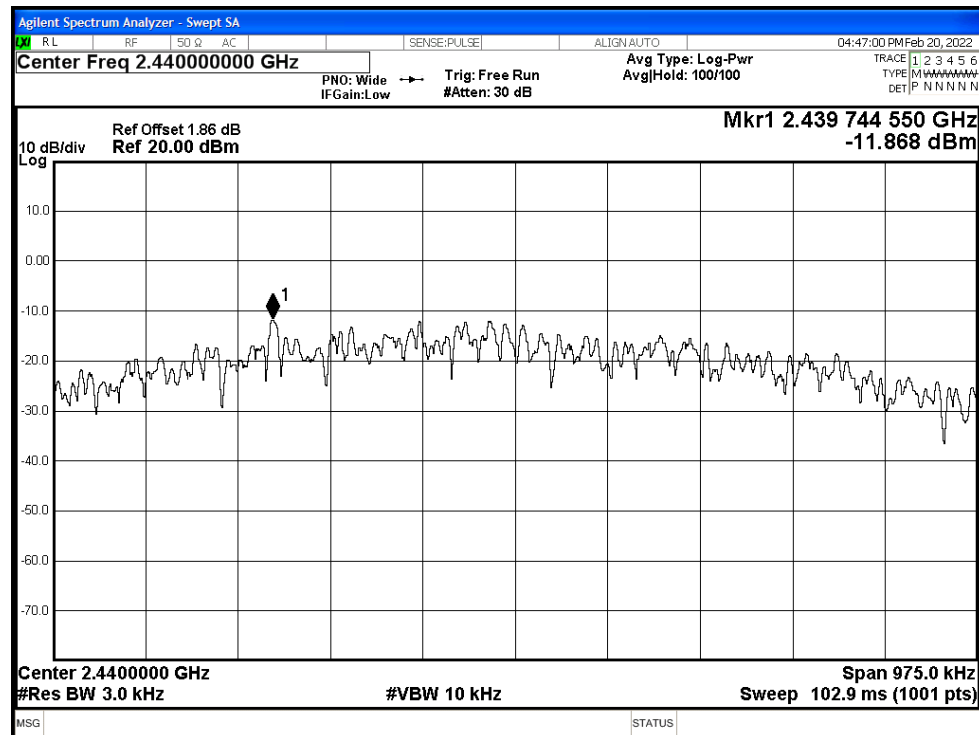


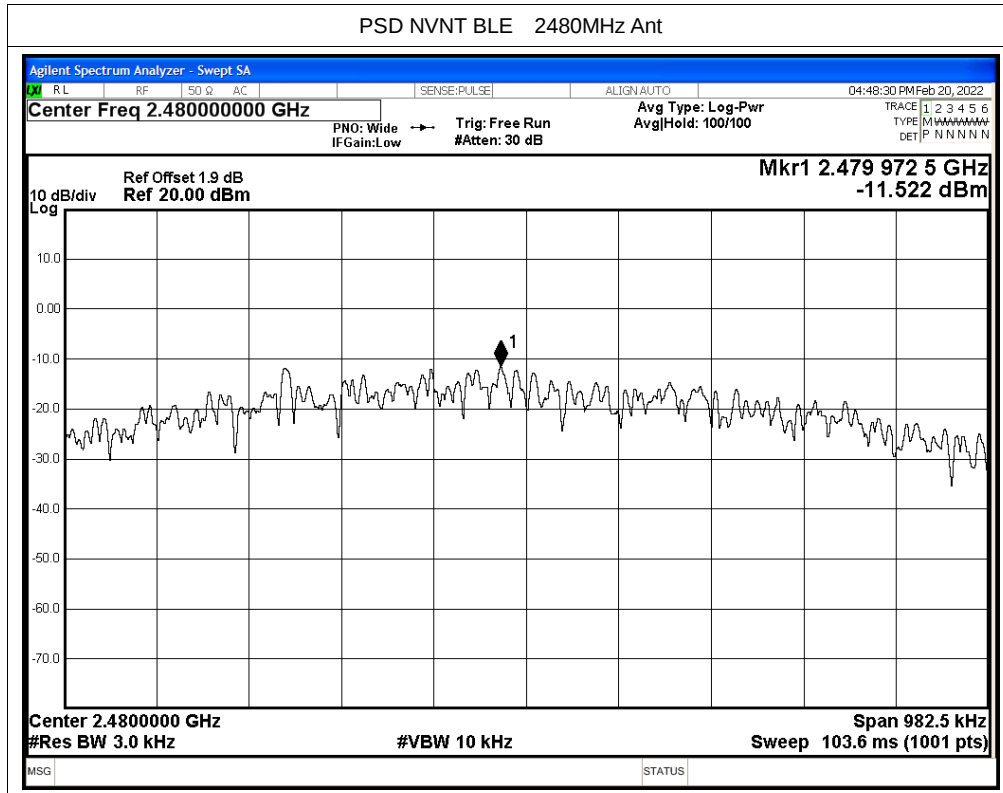
Test Graphs

PSD NVNT BLE 2402MHz Ant



PSD NVNT BLE 2440MHz Ant







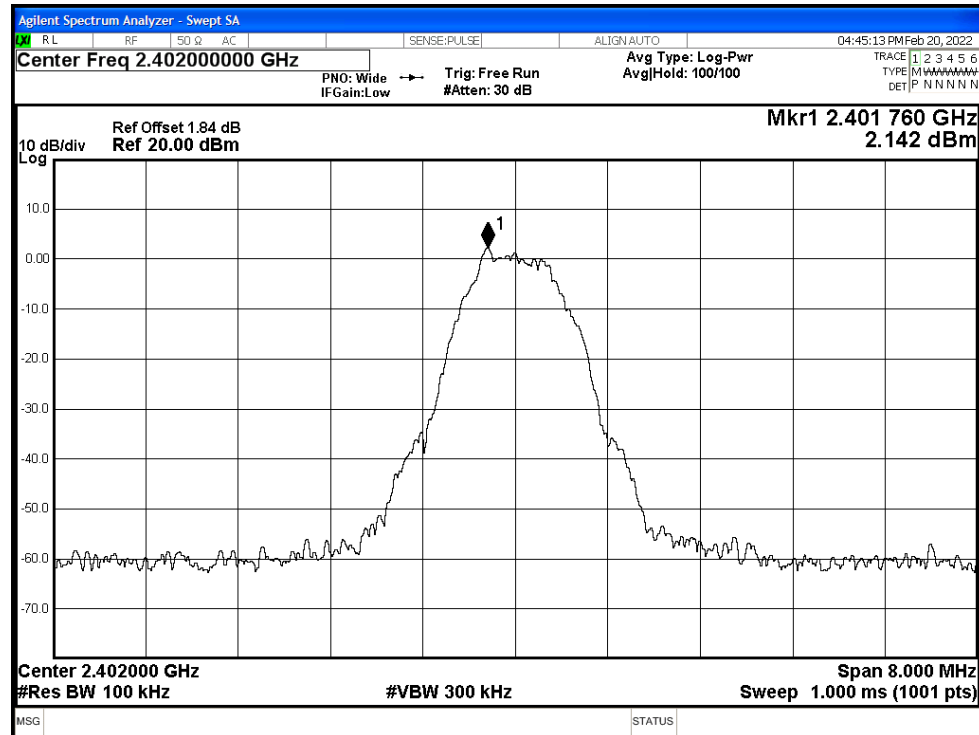
B.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant	-58.92	-20	Pass
NVNT	BLE	2480	Ant	-60.25	-20	Pass

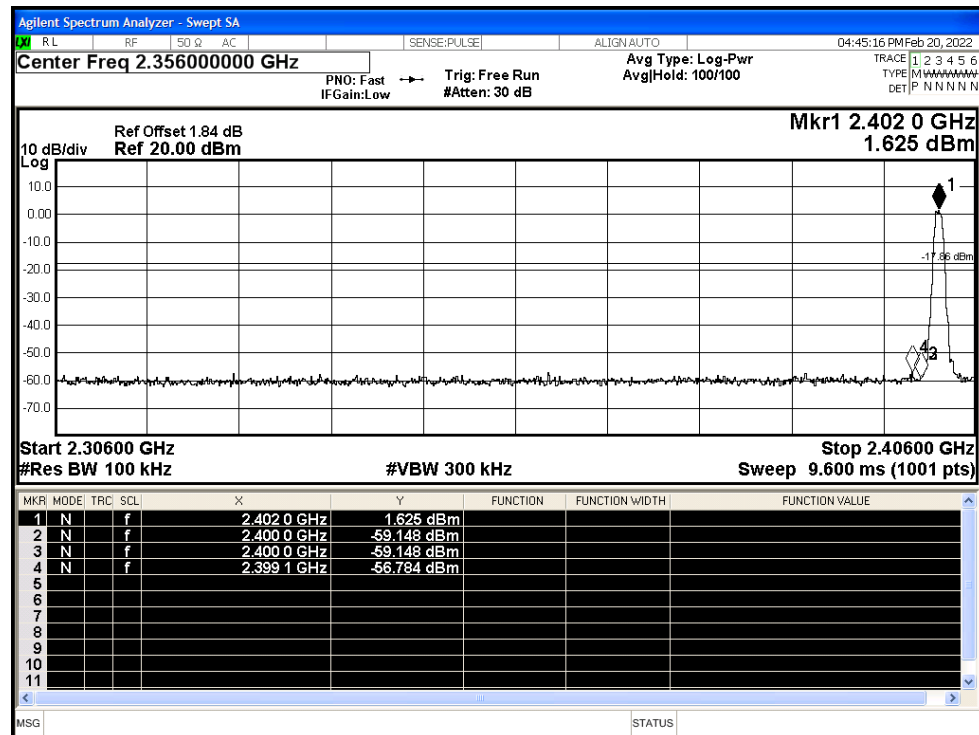


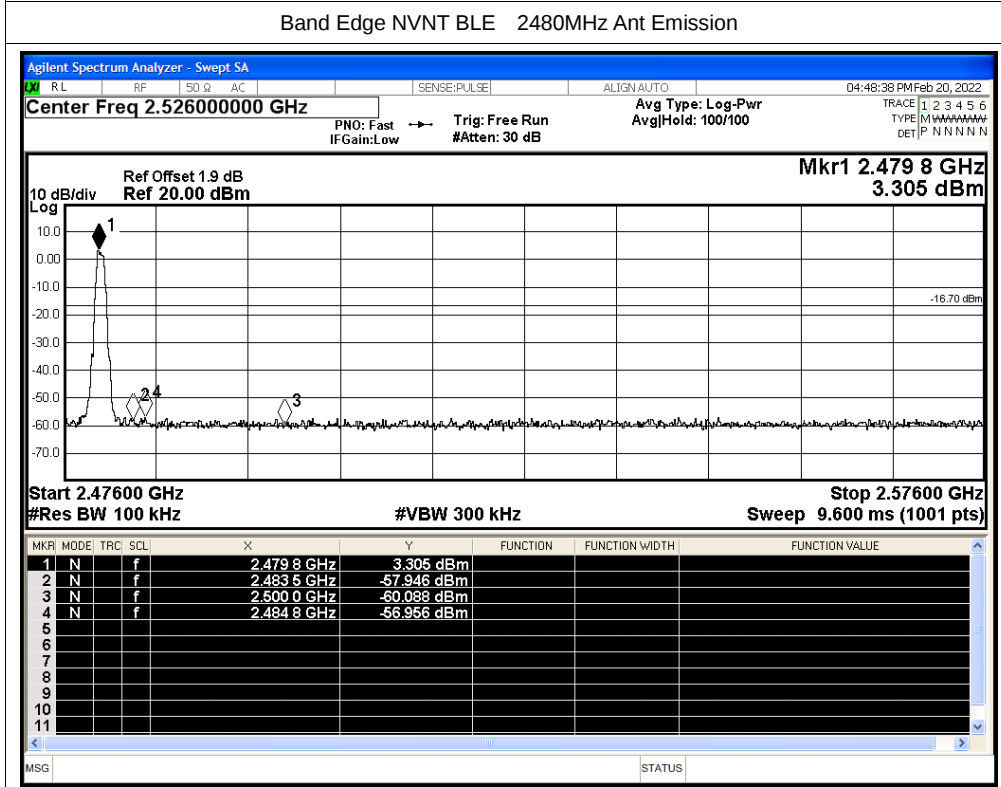
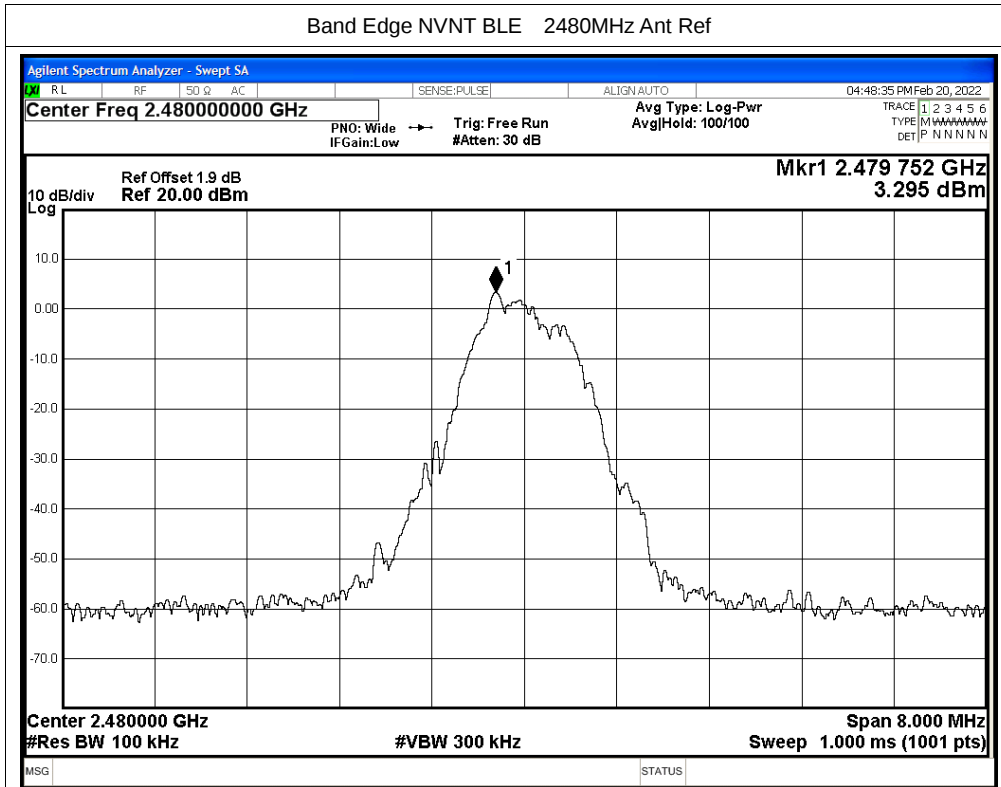
Test Graphs

Band Edge NVNT BLE 2402MHz Ant Ref



Band Edge NVNT BLE 2402MHz Ant Emission







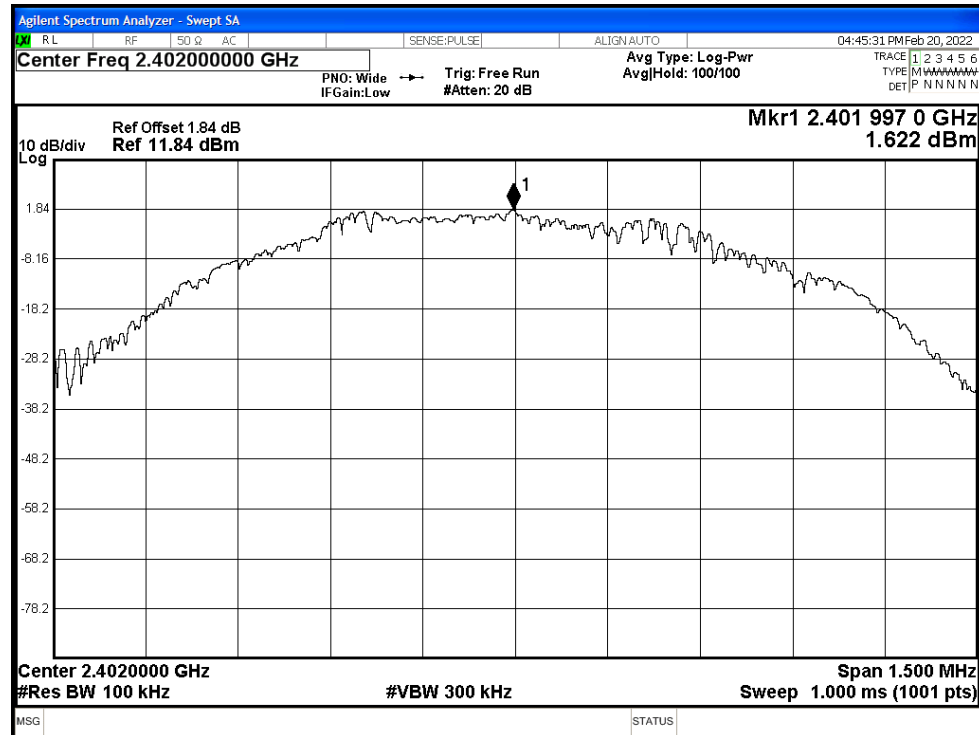
B.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant	-57.65	-20	Pass
NVNT	BLE	2440	Ant	-58.91	-20	Pass
NVNT	BLE	2480	Ant	-59.00	-20	Pass

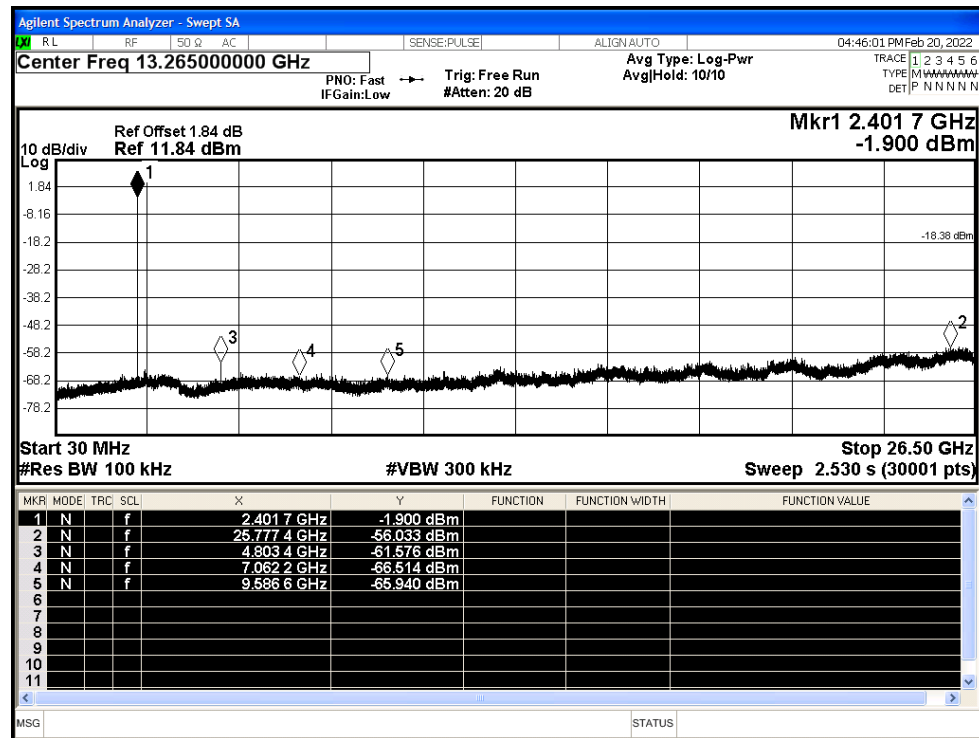


Test Graphs

Tx. Spurious NVNT BLE 2402MHz Ant Ref

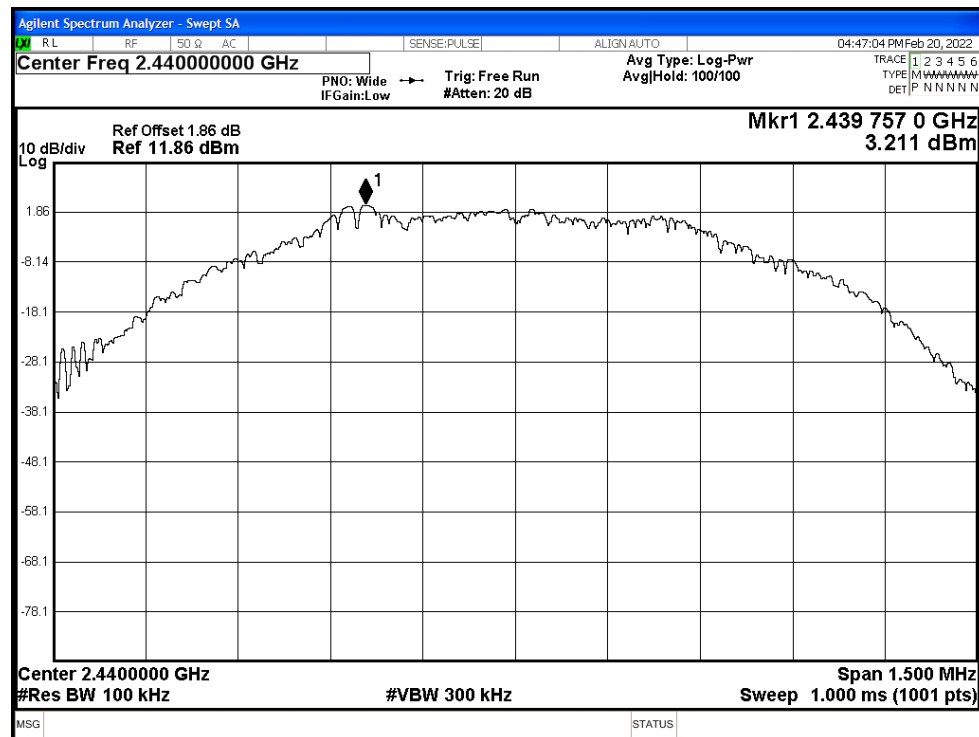


Tx. Spurious NVNT BLE 2402MHz Ant Emission

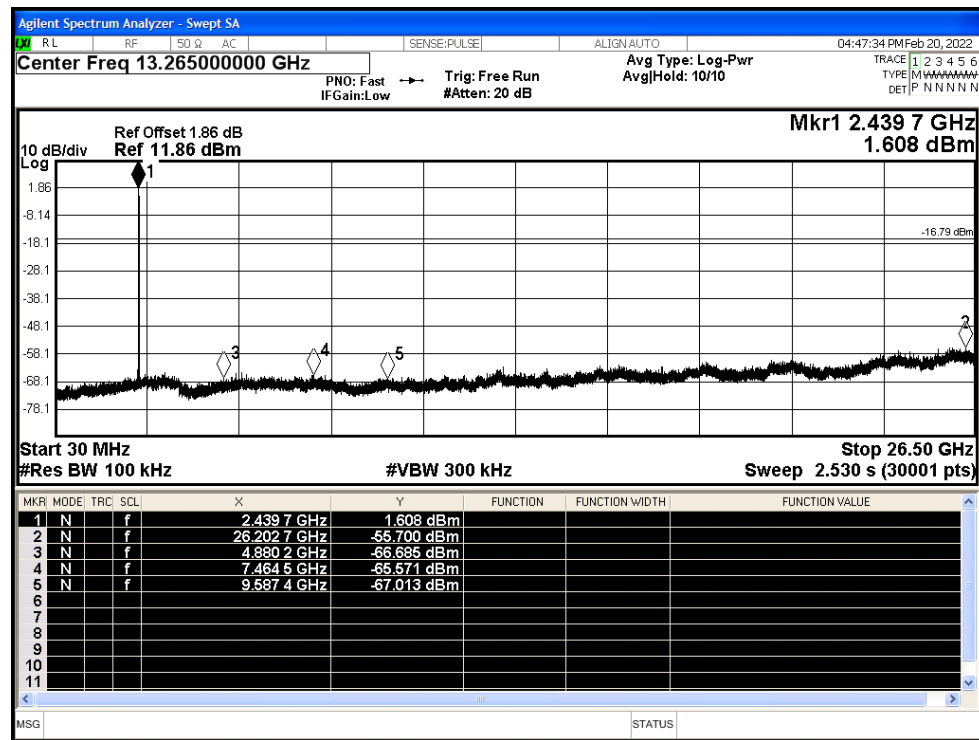




Tx. Spurious NVNT BLE 2440MHz Ant Ref

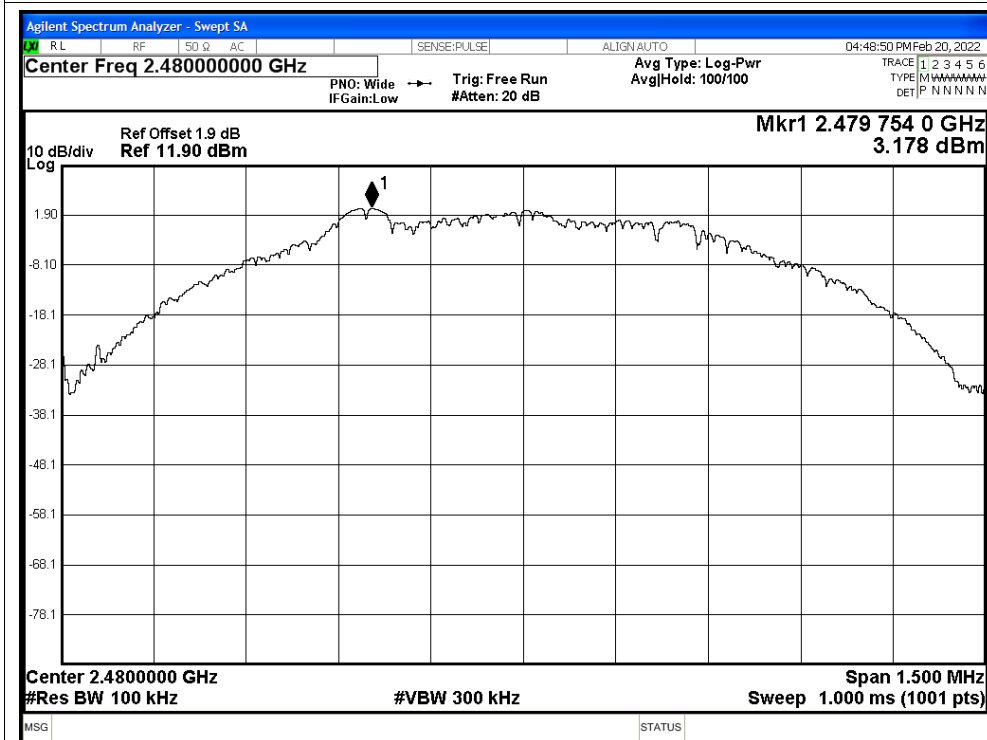


Tx. Spurious NVNT BLE 2440MHz Ant Emission

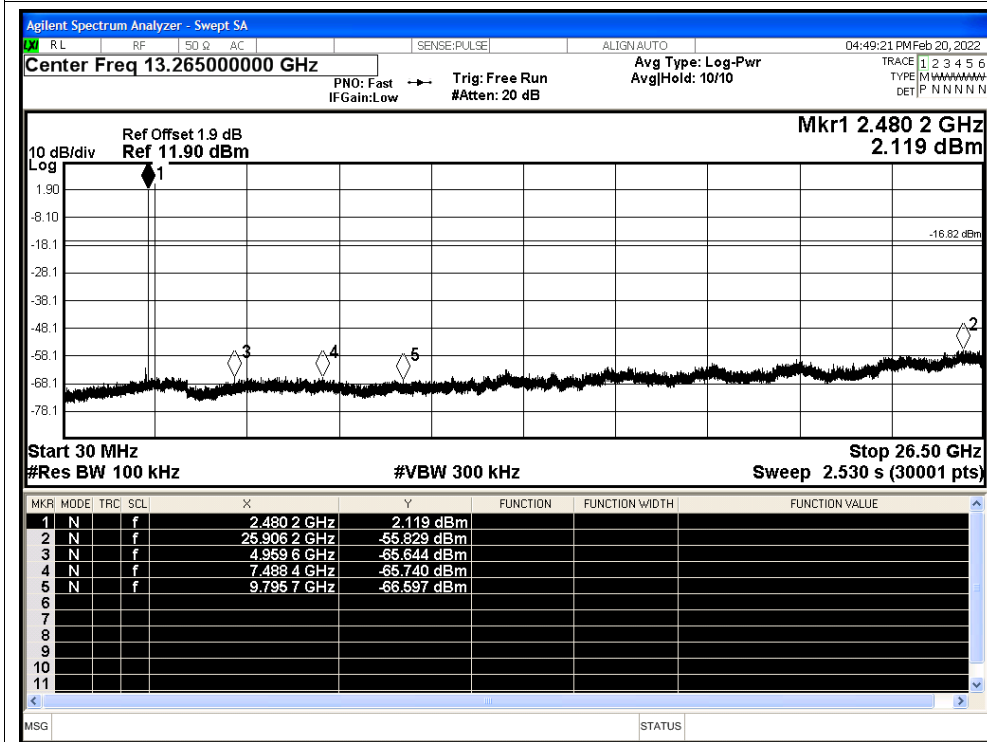




Tx. Spurious NVNT BLE 2480MHz Ant Ref



Tx. Spurious NVNT BLE 2480MHz Ant Emission





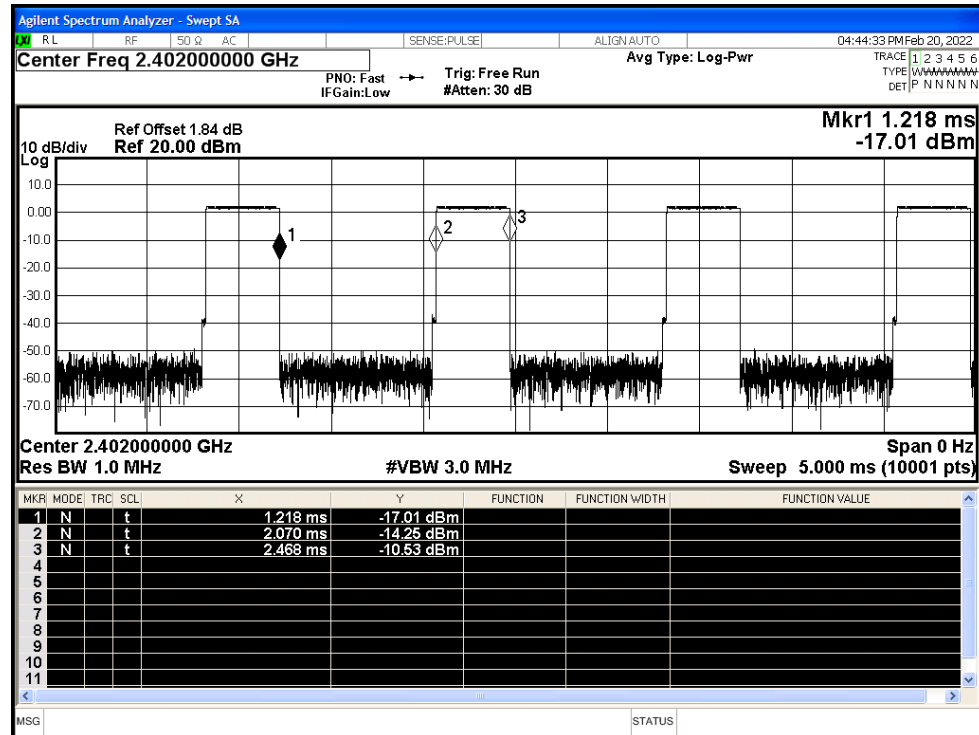
B.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE	2402	Ant	31.88	4.96	2.51
NVNT	BLE	2440	Ant	31.87	4.97	2.51
NVNT	BLE	2480	Ant	31.88	4.96	2.51

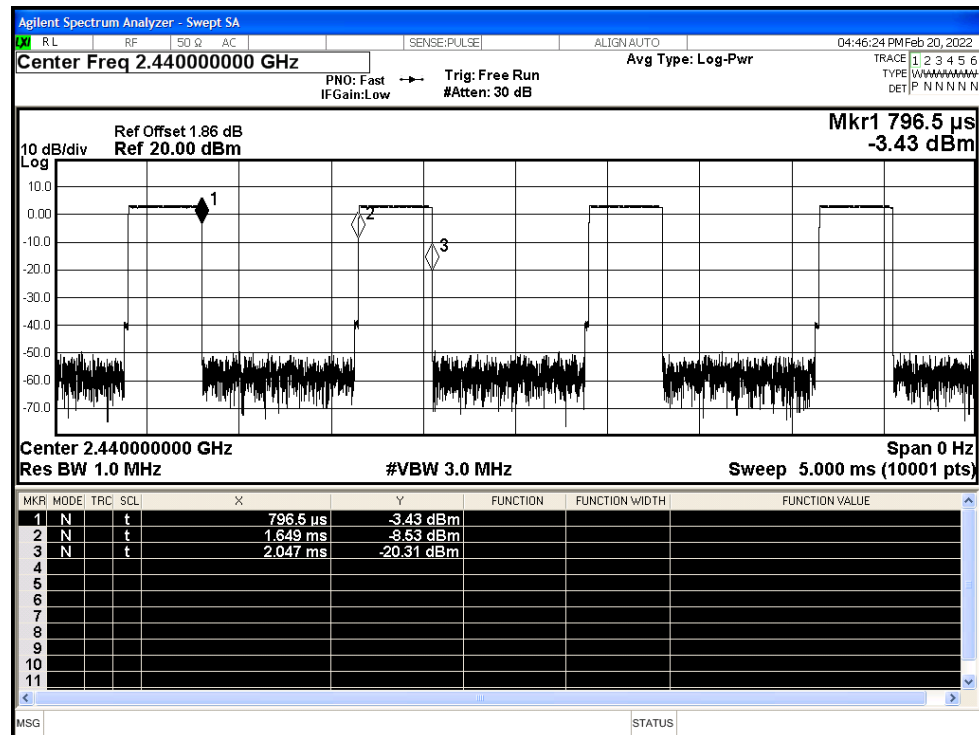


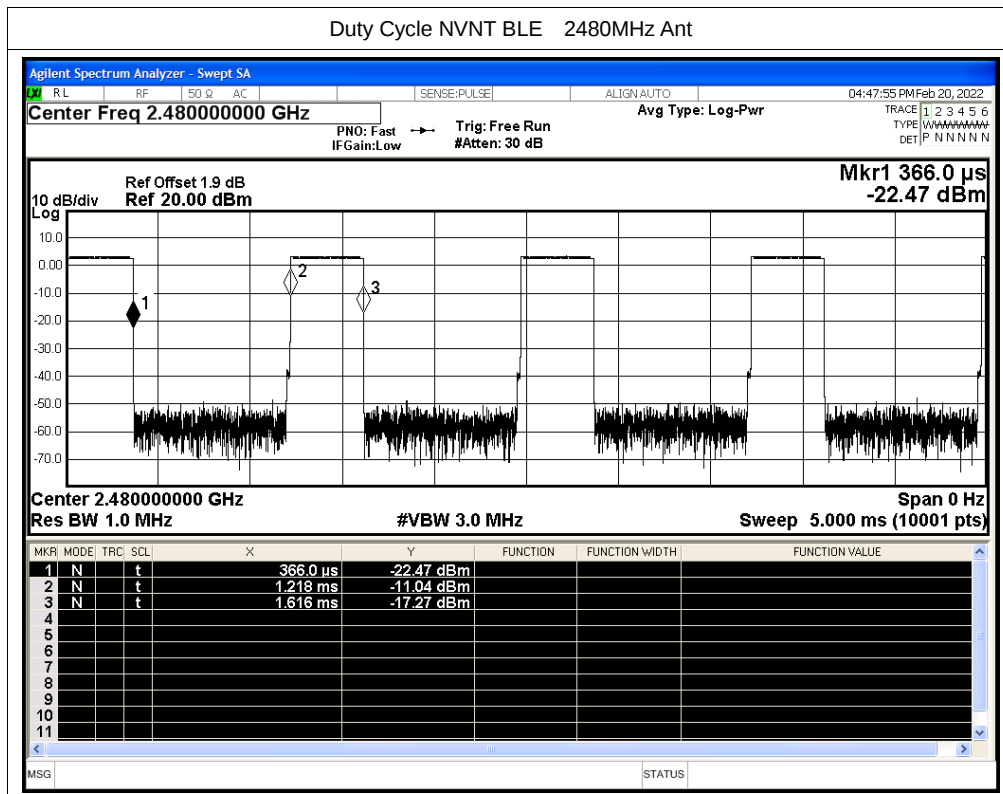
Test Graphs

Duty Cycle NVNT BLE 2402MHz Ant



Duty Cycle NVNT BLE 2440MHz Ant







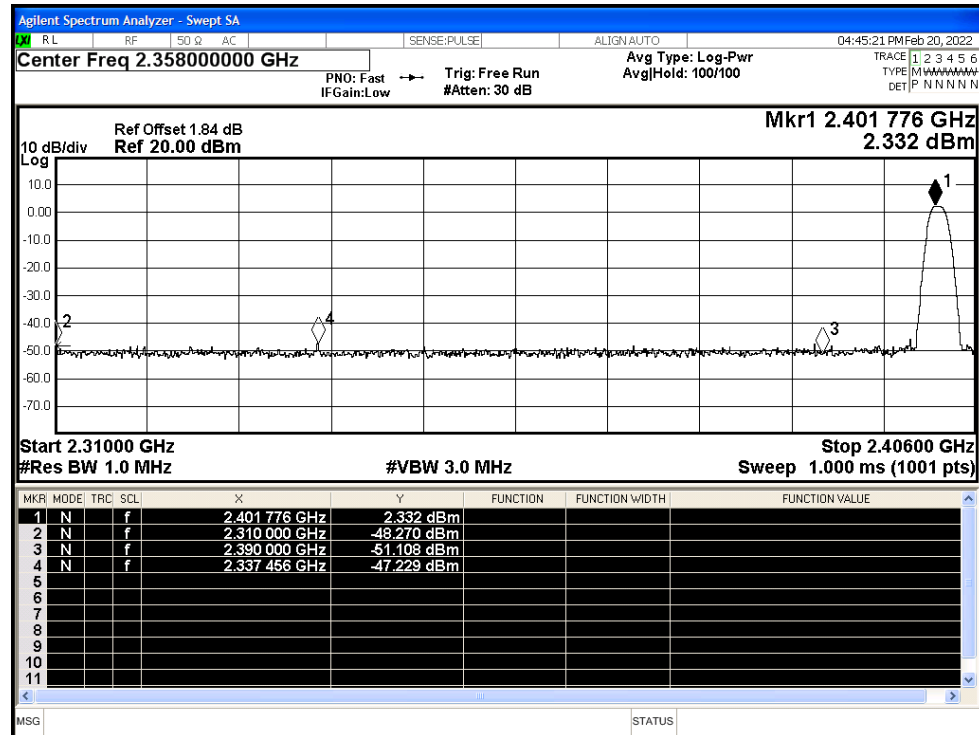
B.7 Emissions at Restricted Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE	2402	Ant	2310	-48.26	2	49	Peak	74	Pass
NVNT	BLE	2402	Ant	2310	-60.07	2	37.19	Average	54	Pass
NVNT	BLE	2402	Ant	2337.456	-47.22	2	50.04	Peak	74	Pass
NVNT	BLE	2402	Ant	2377.008	-59.08	2	38.18	Average	54	Pass
NVNT	BLE	2402	Ant	2390	-50.5	2	46.76	Peak	74	Pass
NVNT	BLE	2402	Ant	2390	-59.49	2	37.77	Average	54	Pass
NVNT	BLE	2480	Ant	2483.5	-50.45	2	46.81	Peak	74	Pass
NVNT	BLE	2480	Ant	2483.5	-58.12	2	39.14	Average	54	Pass
NVNT	BLE	2480	Ant	2484.976	-43.92	2	53.34	Peak	74	Pass
NVNT	BLE	2480	Ant	2483.632	-57.77	2	39.49	Average	54	Pass
NVNT	BLE	2480	Ant	2500	-49.61	2	47.65	Peak	74	Pass
NVNT	BLE	2480	Ant	2500	-59.44	2	37.82	Average	54	Pass

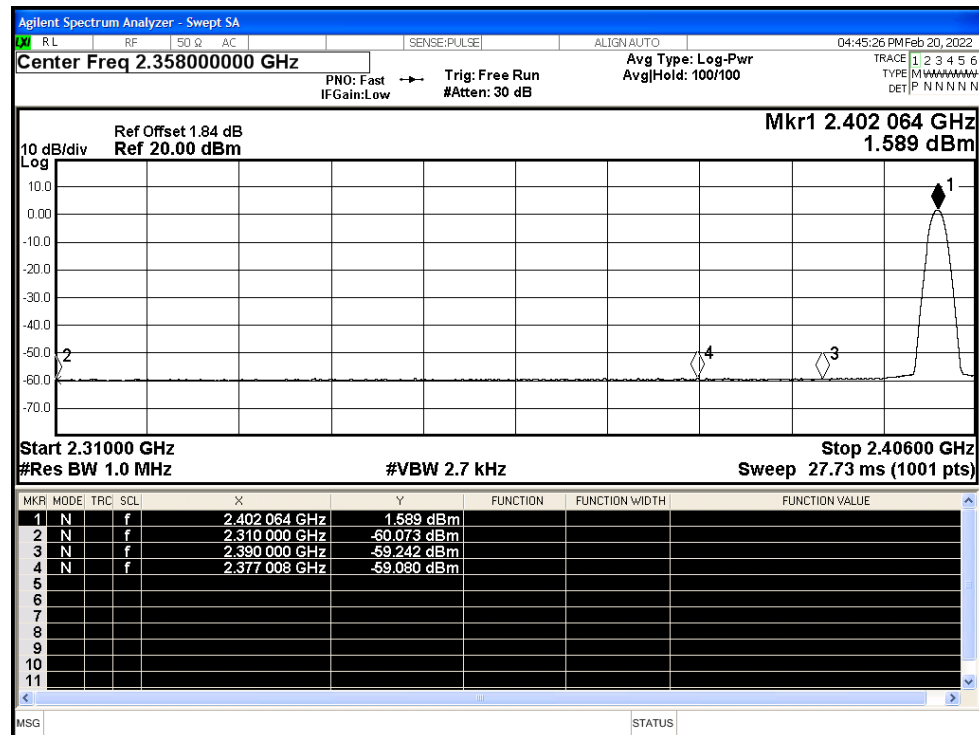


Test Graphs

Restrict Band NVNT BLE 2402MHz Ant Peak

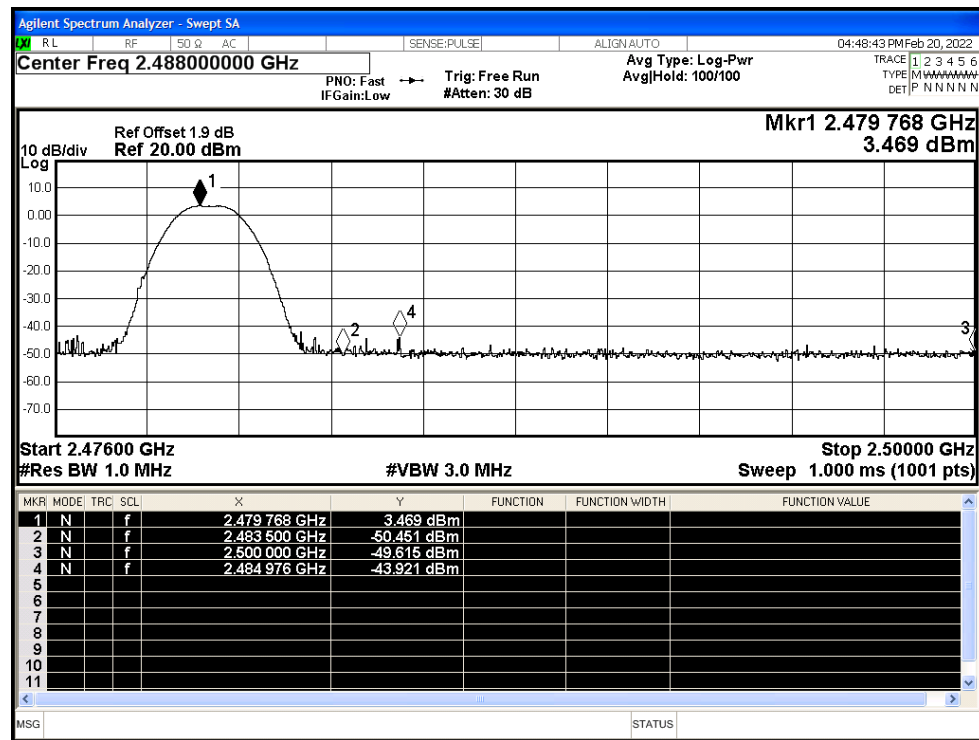


Restrict Band NVNT BLE 2402MHz Ant Average





Restrict Band NVNT BLE 2480MHz Ant Peak



Restrict Band NVNT BLE 2480MHz Ant Average

