

Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Electric Scooter

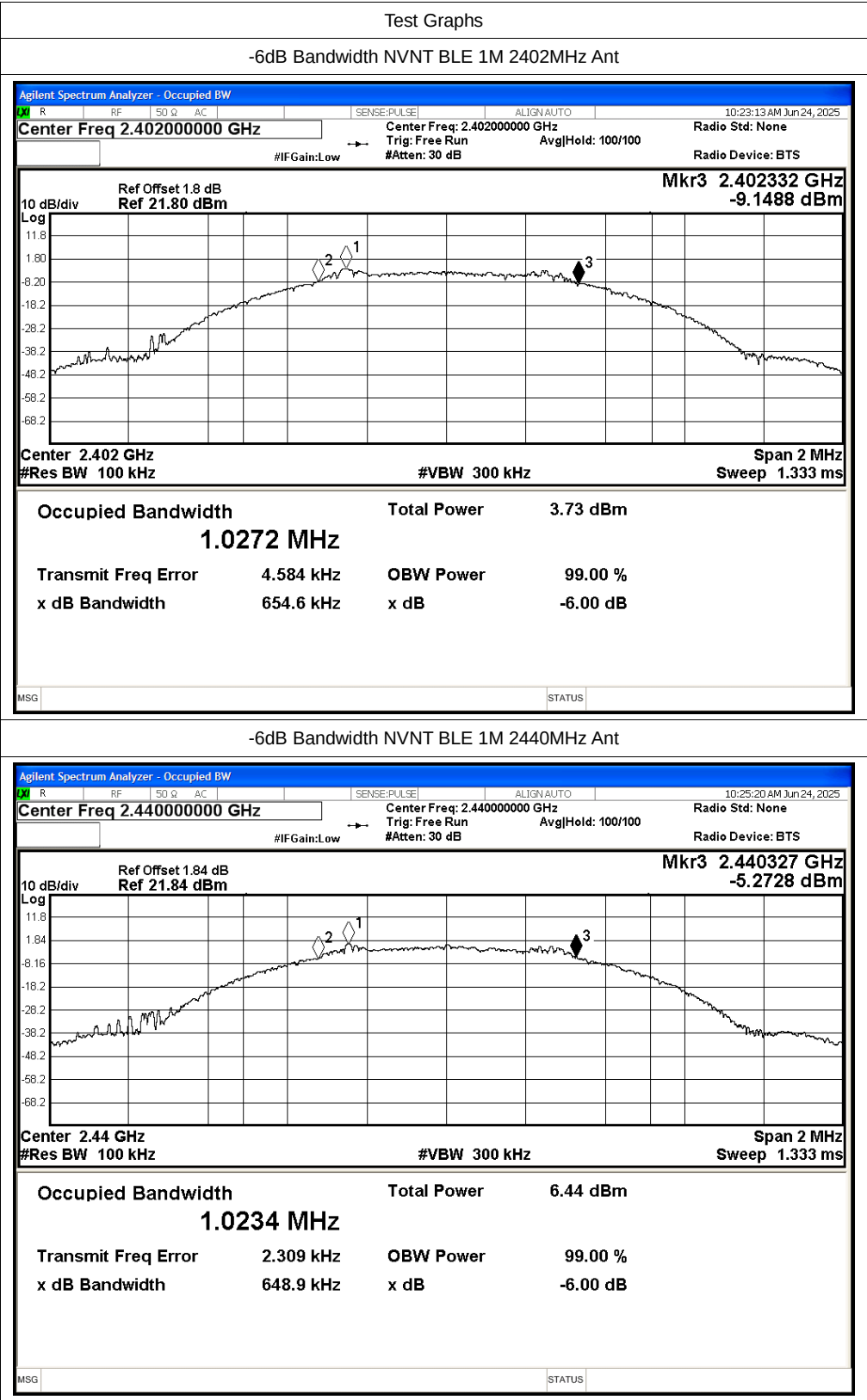
Test Model: Landturbo Pro

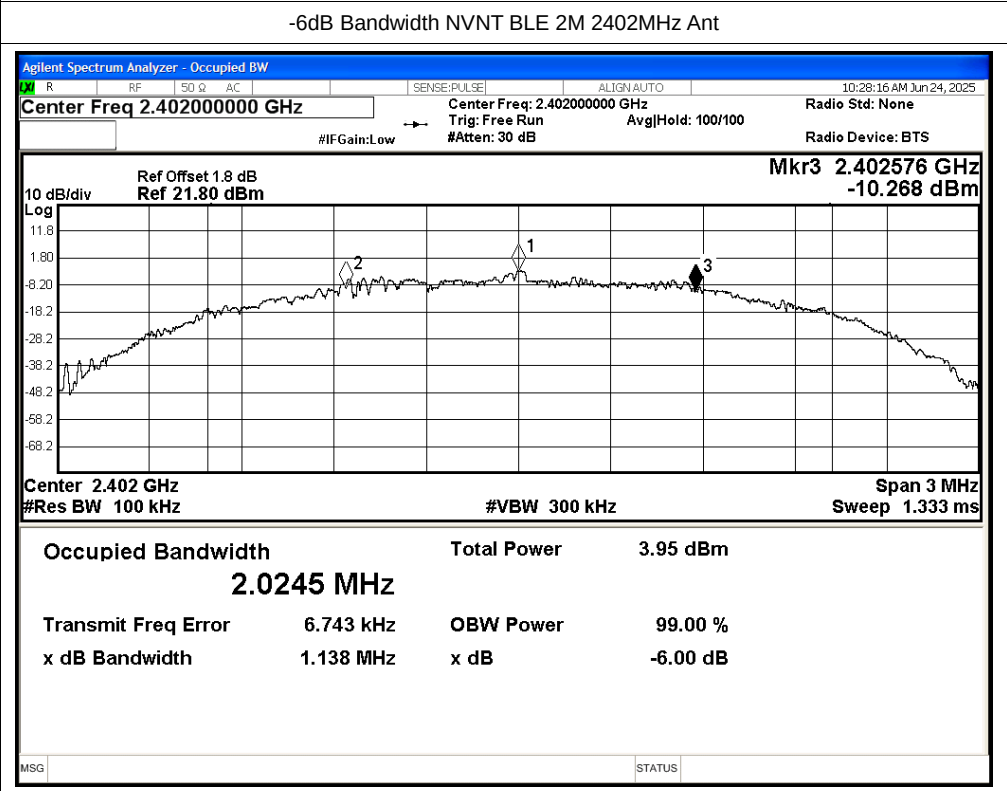
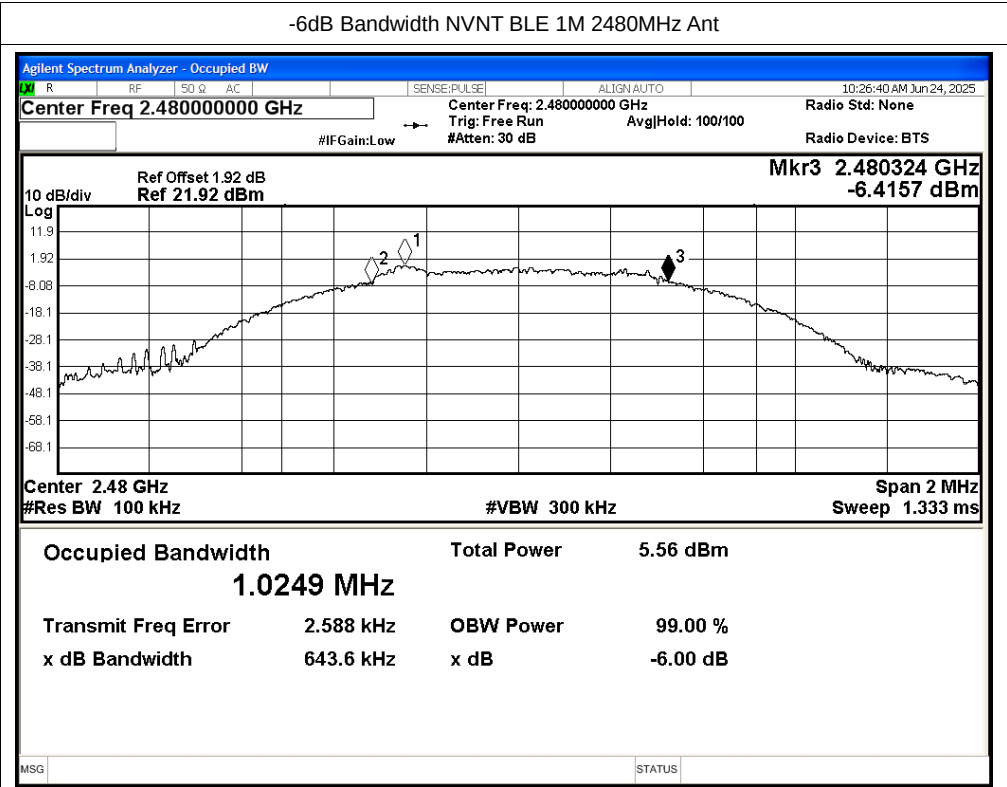
Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Nick Peng

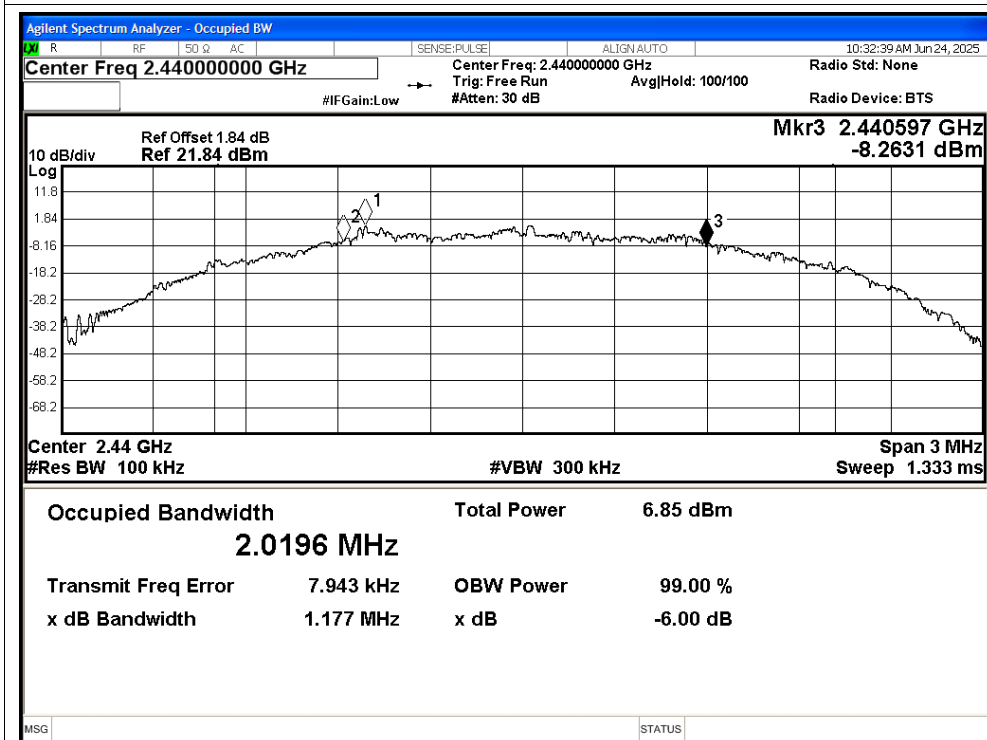
A.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant	0.655	>=0.5	Pass
NVNT	BLE 1M	2440	Ant	0.649	>=0.5	Pass
NVNT	BLE 1M	2480	Ant	0.644	>=0.5	Pass
NVNT	BLE 2M	2402	Ant	1.138	>=0.5	Pass
NVNT	BLE 2M	2440	Ant	1.177	>=0.5	Pass
NVNT	BLE 2M	2480	Ant	1.223	>=0.5	Pass

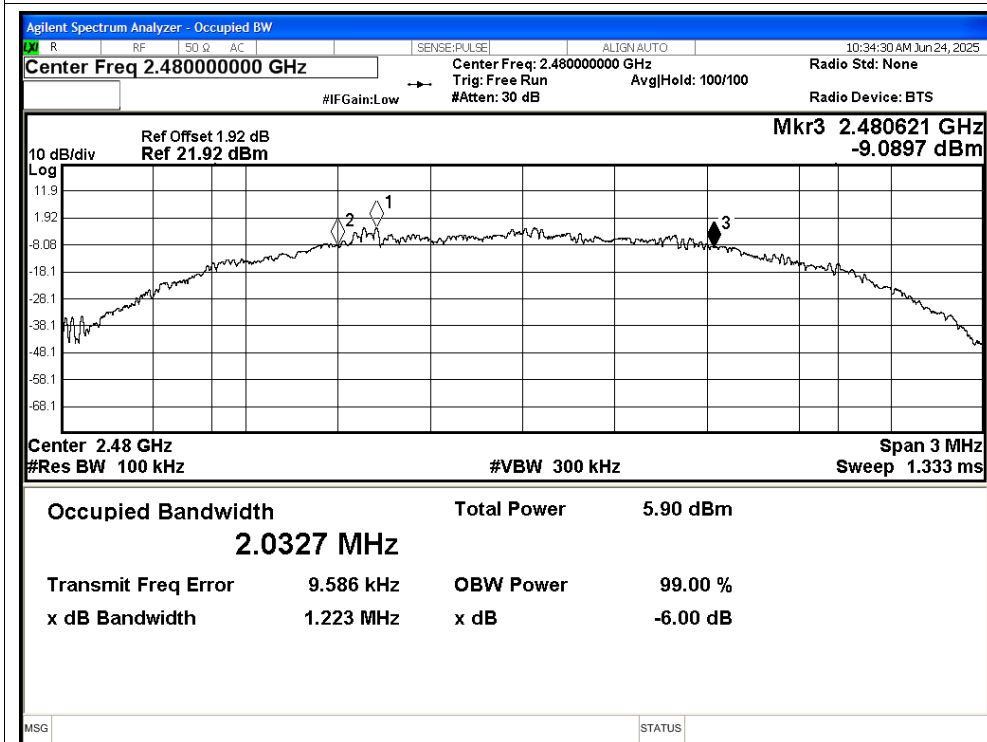




-6dB Bandwidth NVNT BLE 2M 2440MHz Ant

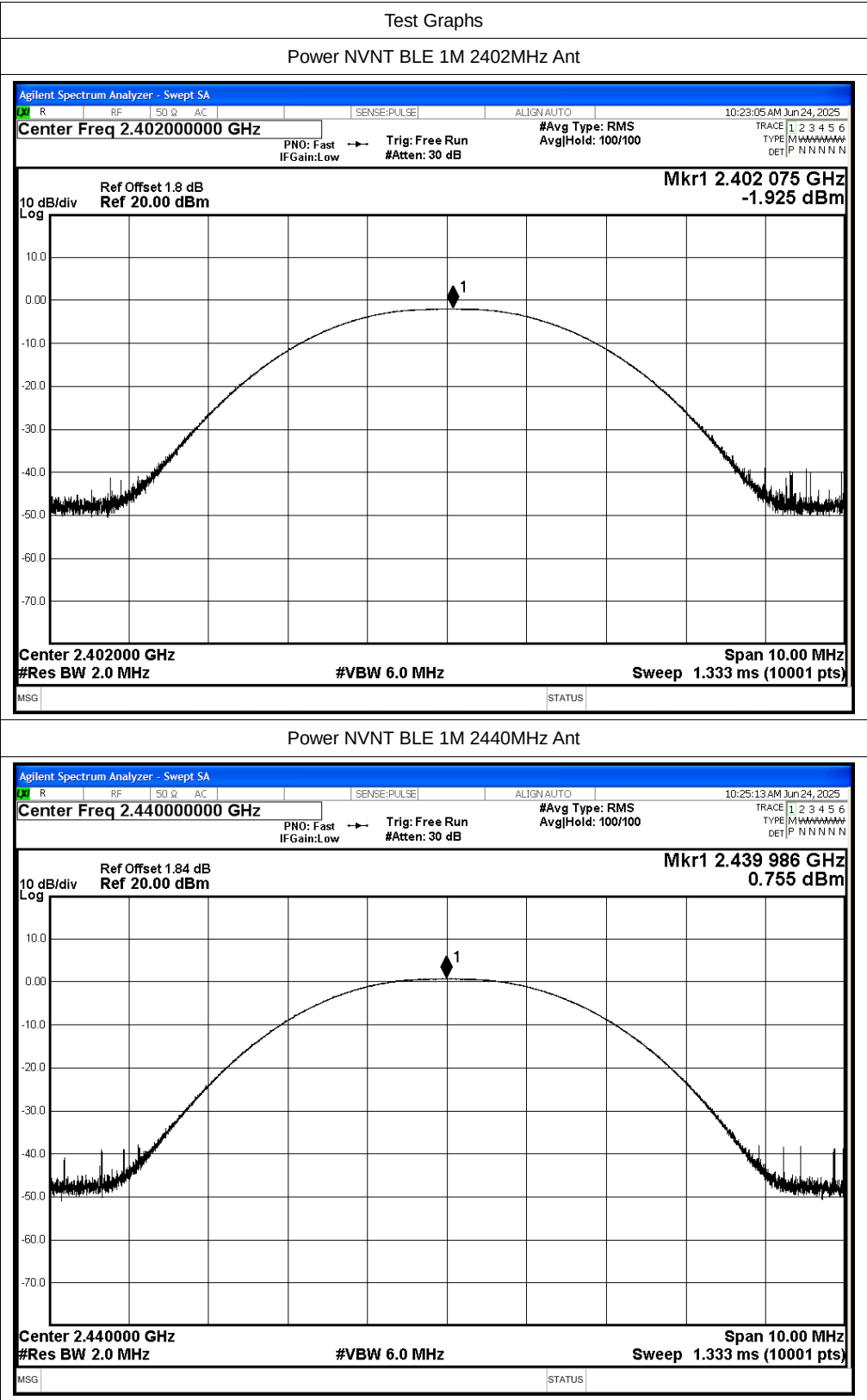


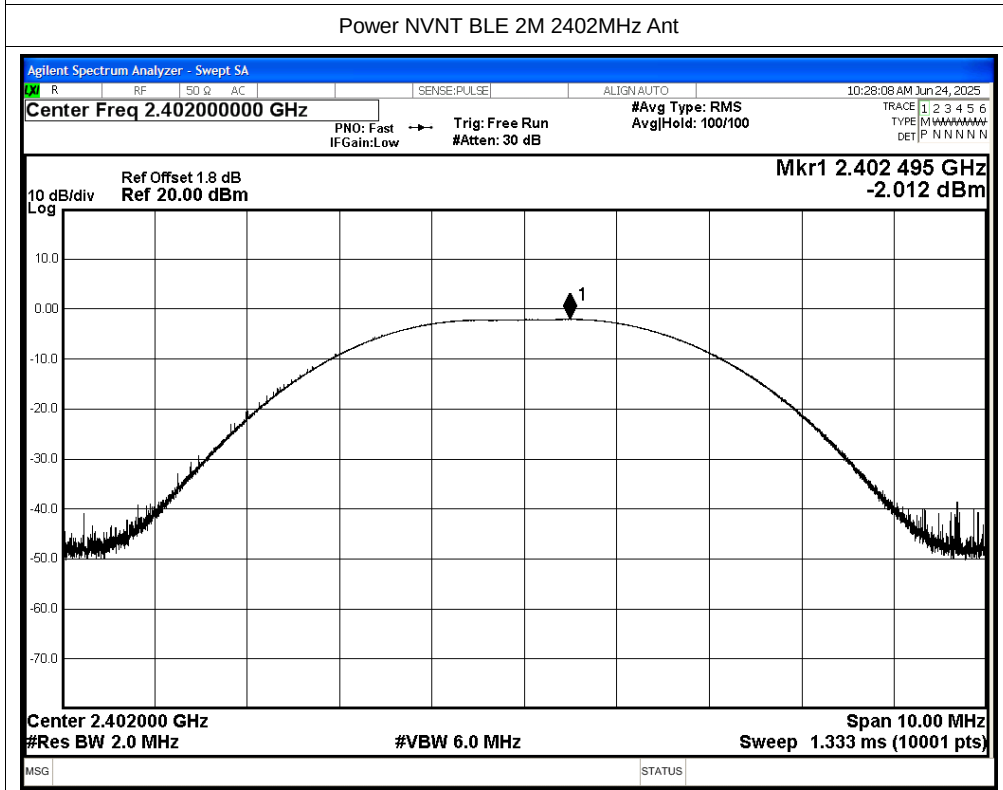
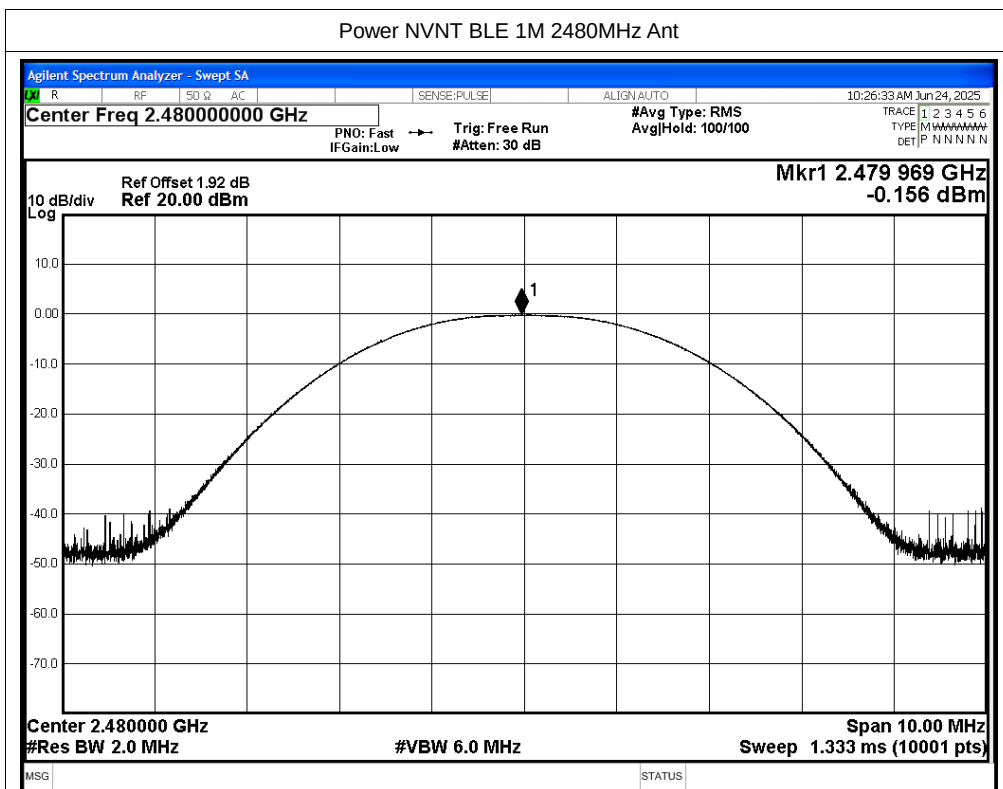
-6dB Bandwidth NVNT BLE 2M 2480MHz Ant

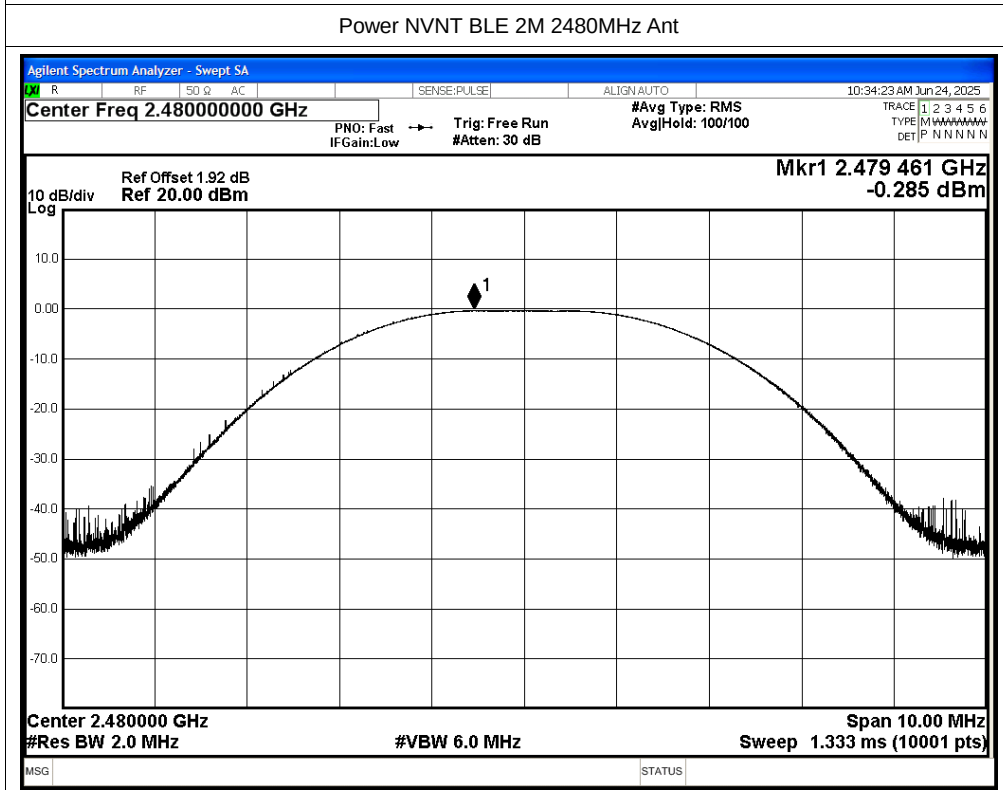
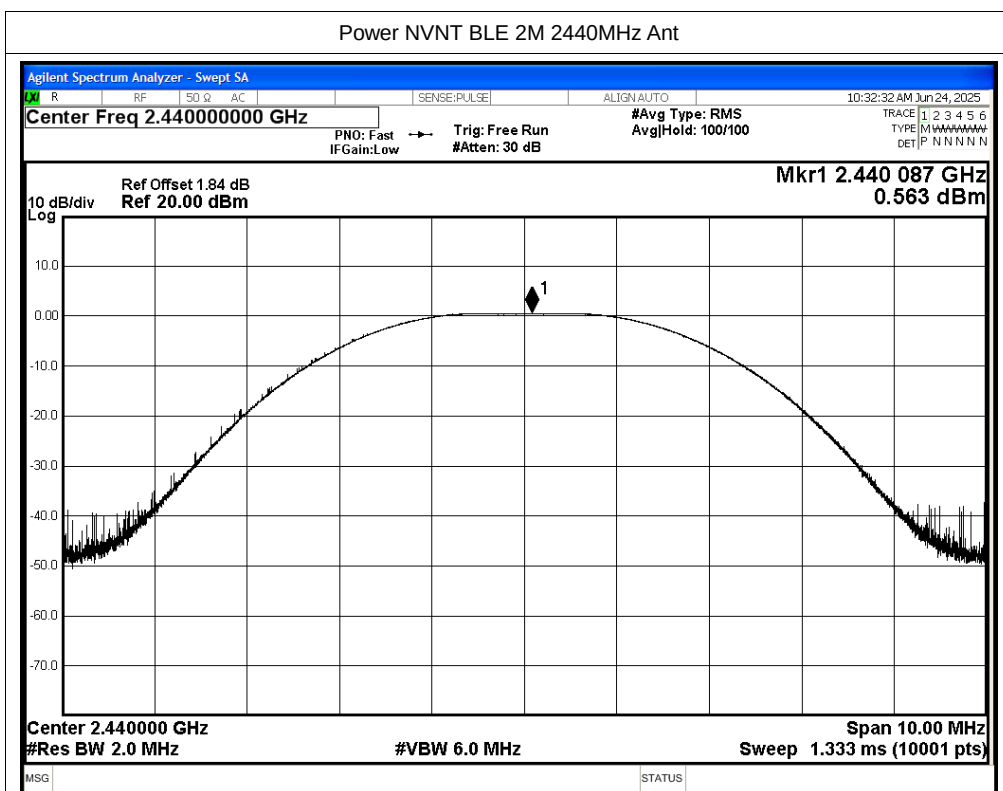


A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant	-1.93	30	Pass
NVNT	BLE 1M	2440	Ant	0.76	30	Pass
NVNT	BLE 1M	2480	Ant	-0.16	30	Pass
NVNT	BLE 2M	2402	Ant	-2.01	30	Pass
NVNT	BLE 2M	2440	Ant	0.56	30	Pass
NVNT	BLE 2M	2480	Ant	-0.28	30	Pass

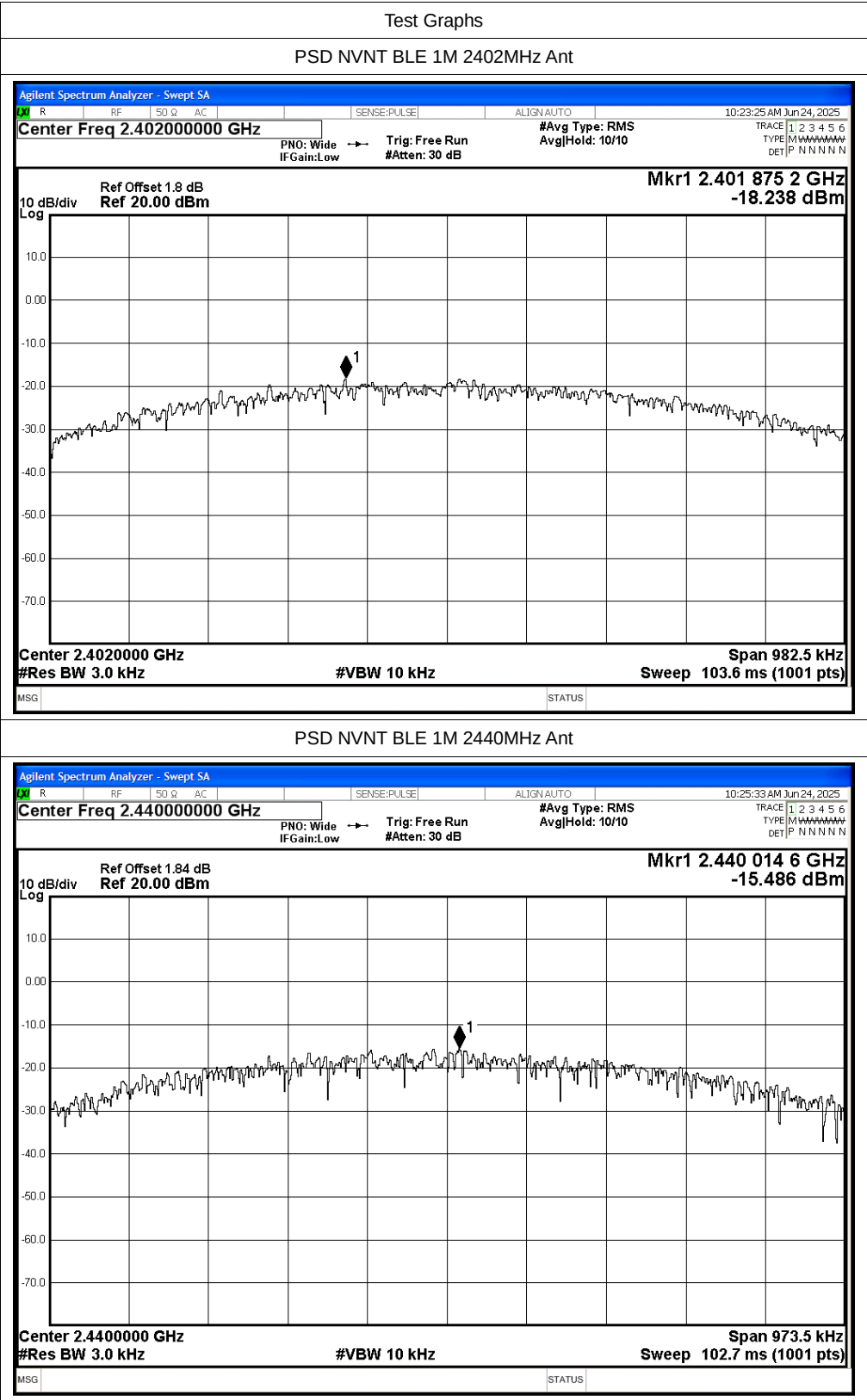


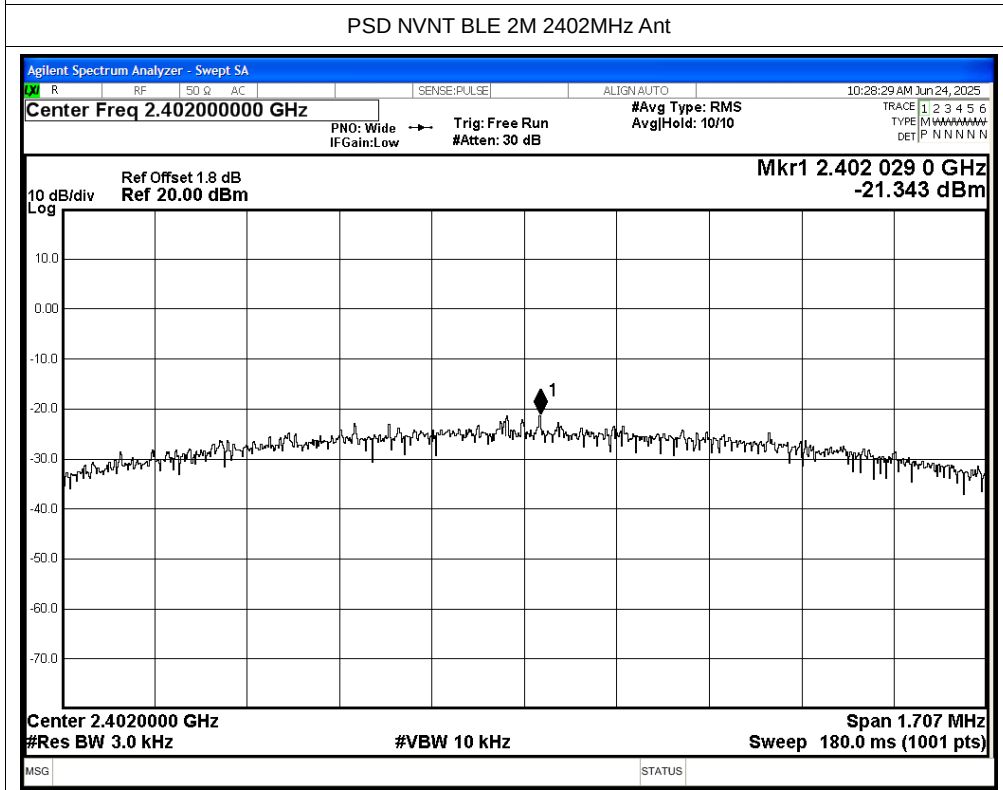
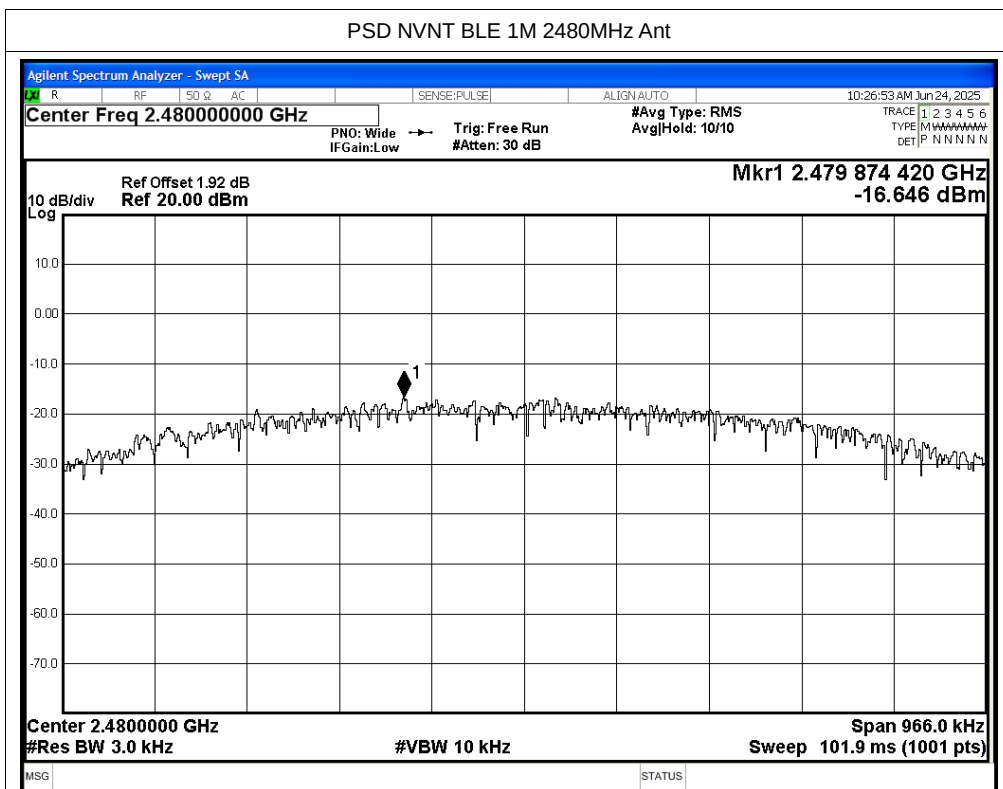


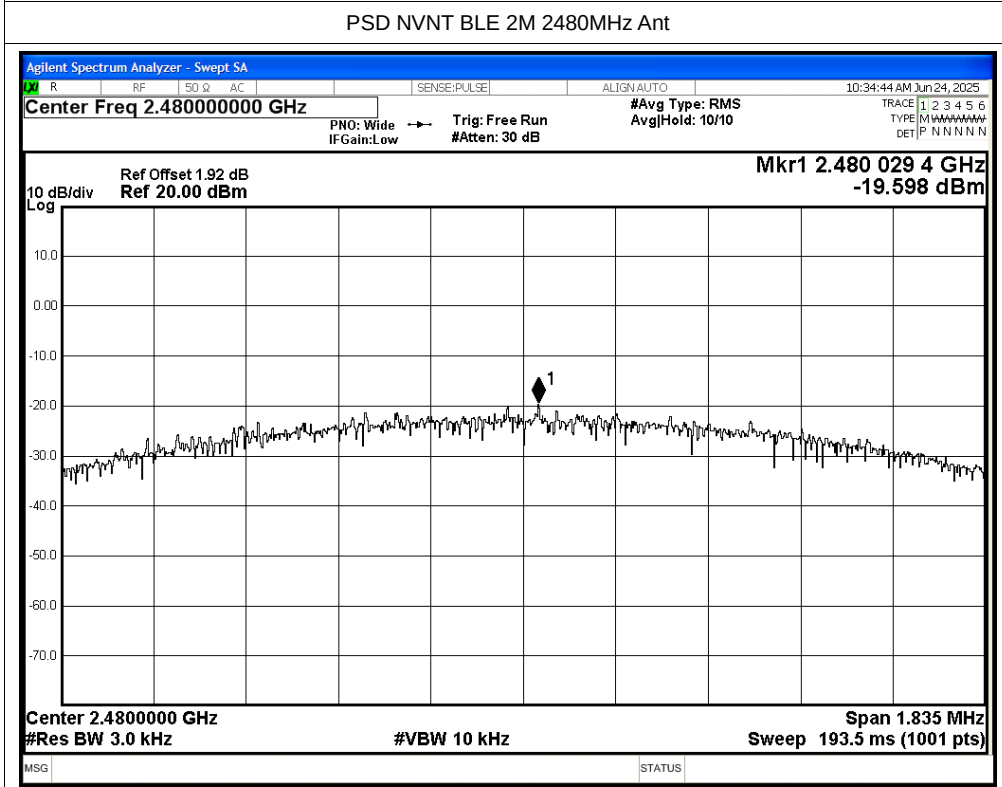
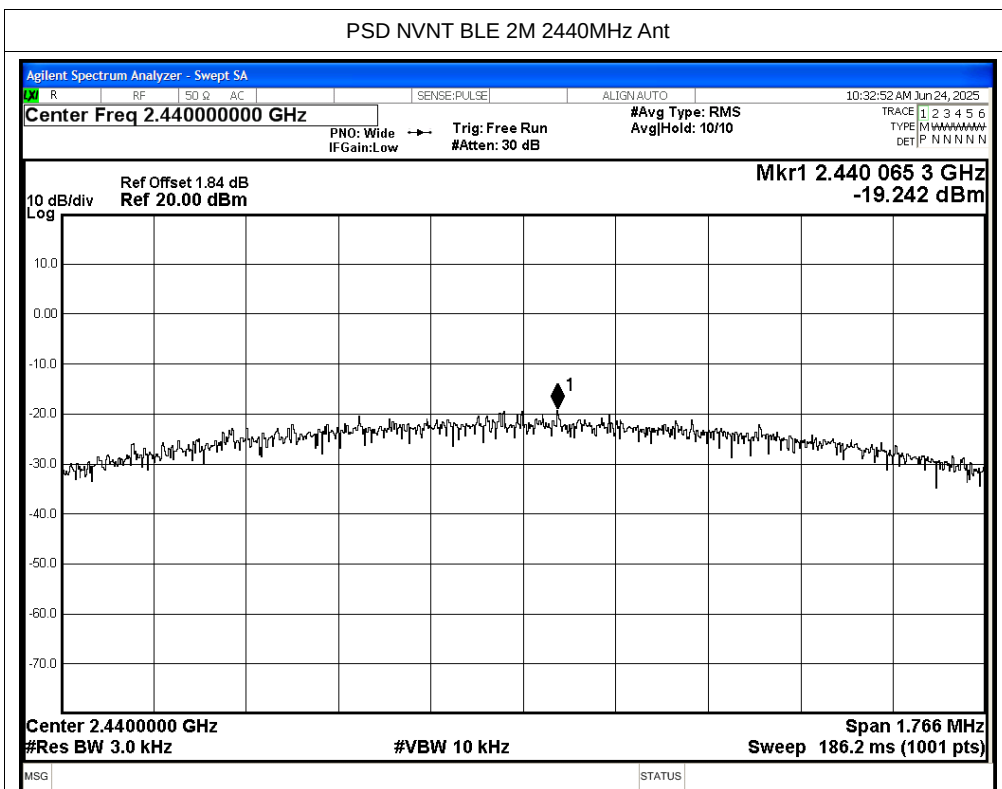


A.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant	-18.24	8	Pass
NVNT	BLE 1M	2440	Ant	-15.49	8	Pass
NVNT	BLE 1M	2480	Ant	-16.65	8	Pass
NVNT	BLE 2M	2402	Ant	-21.34	8	Pass
NVNT	BLE 2M	2440	Ant	-19.24	8	Pass
NVNT	BLE 2M	2480	Ant	-19.6	8	Pass

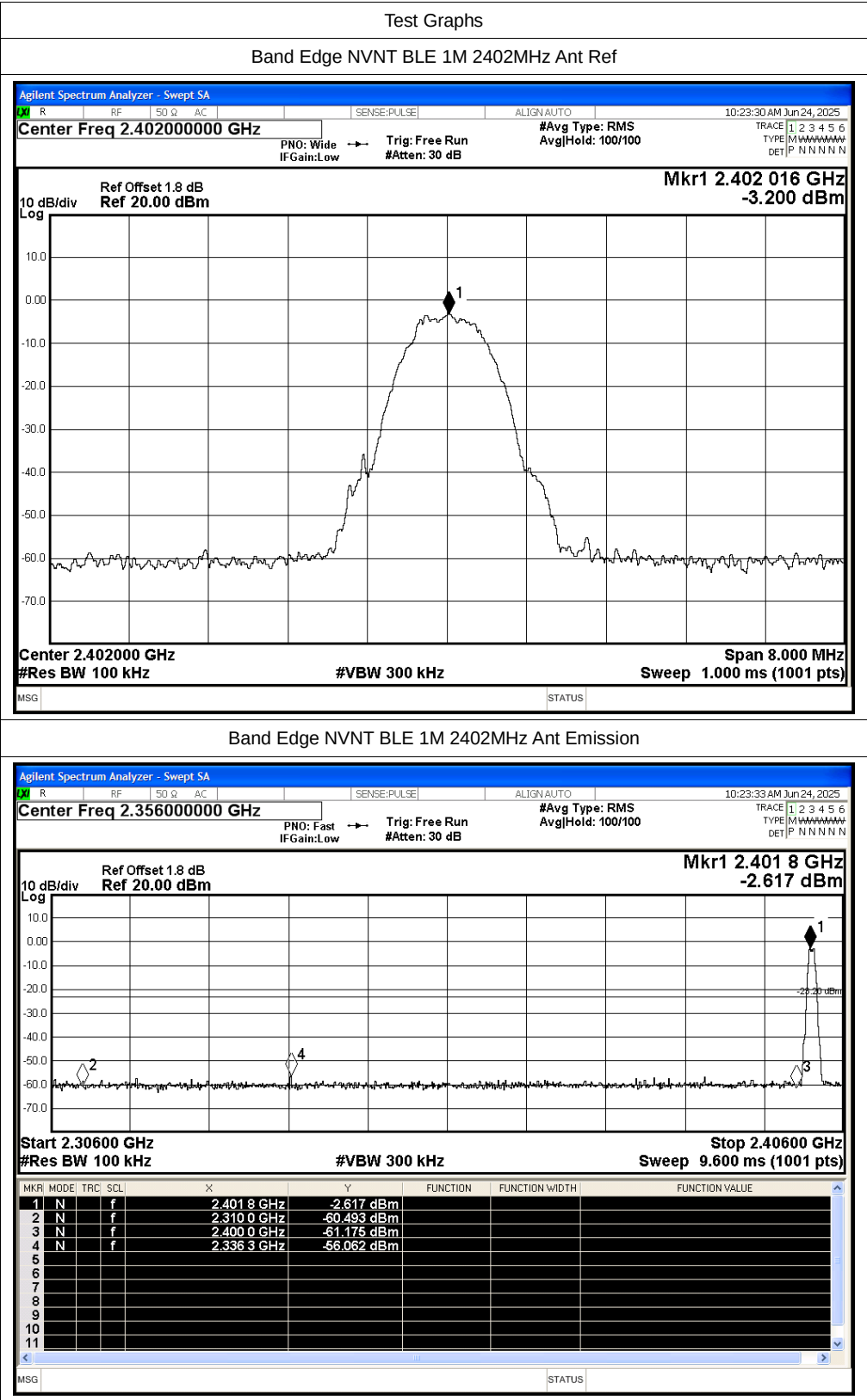


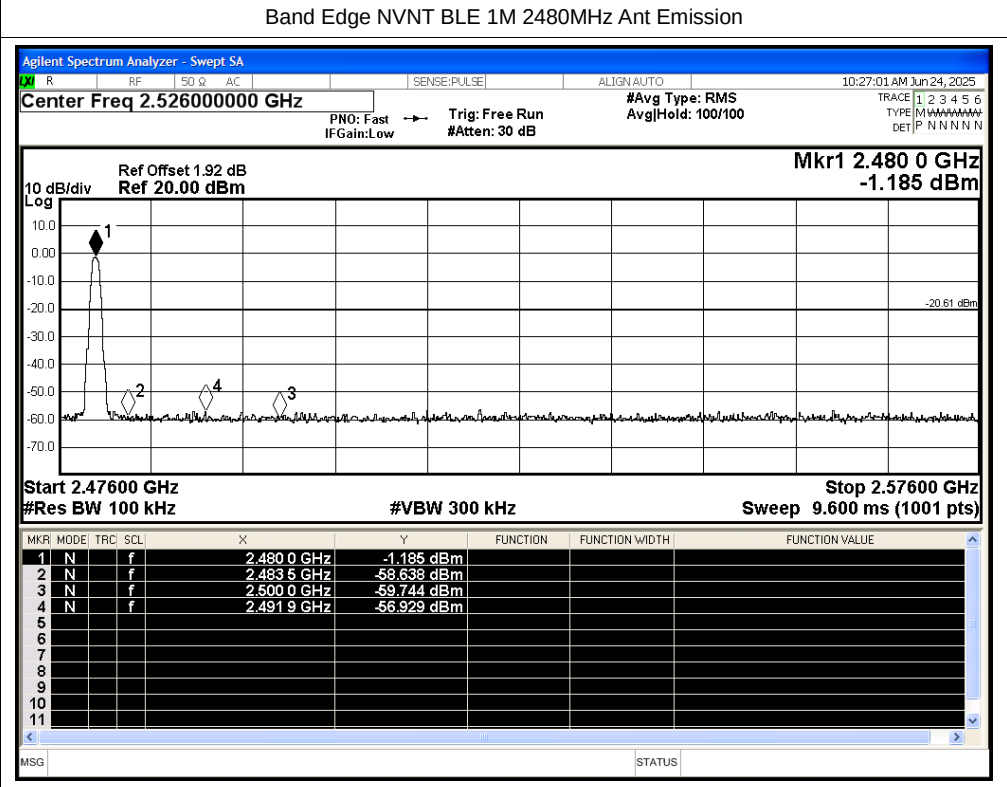
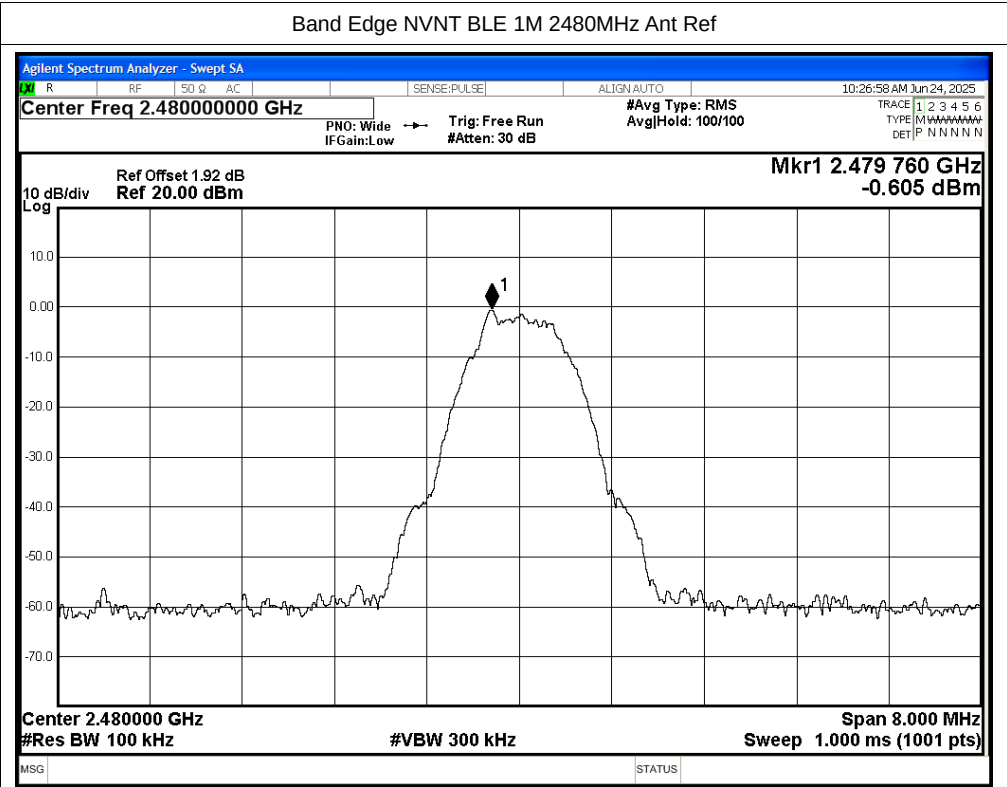


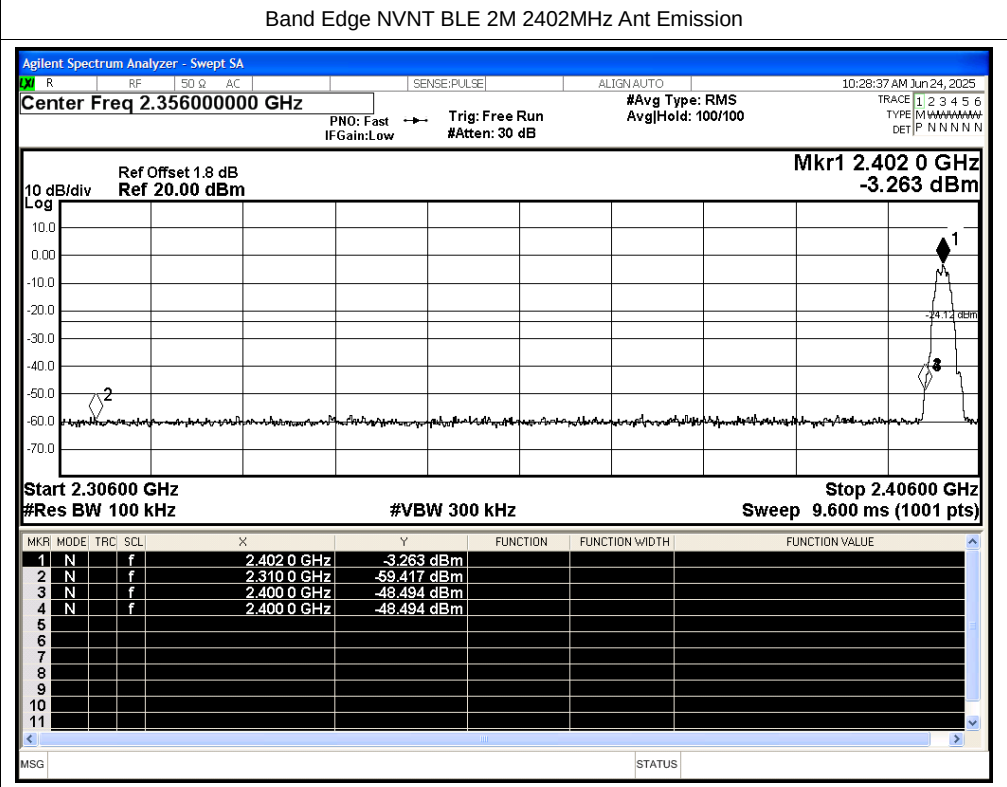
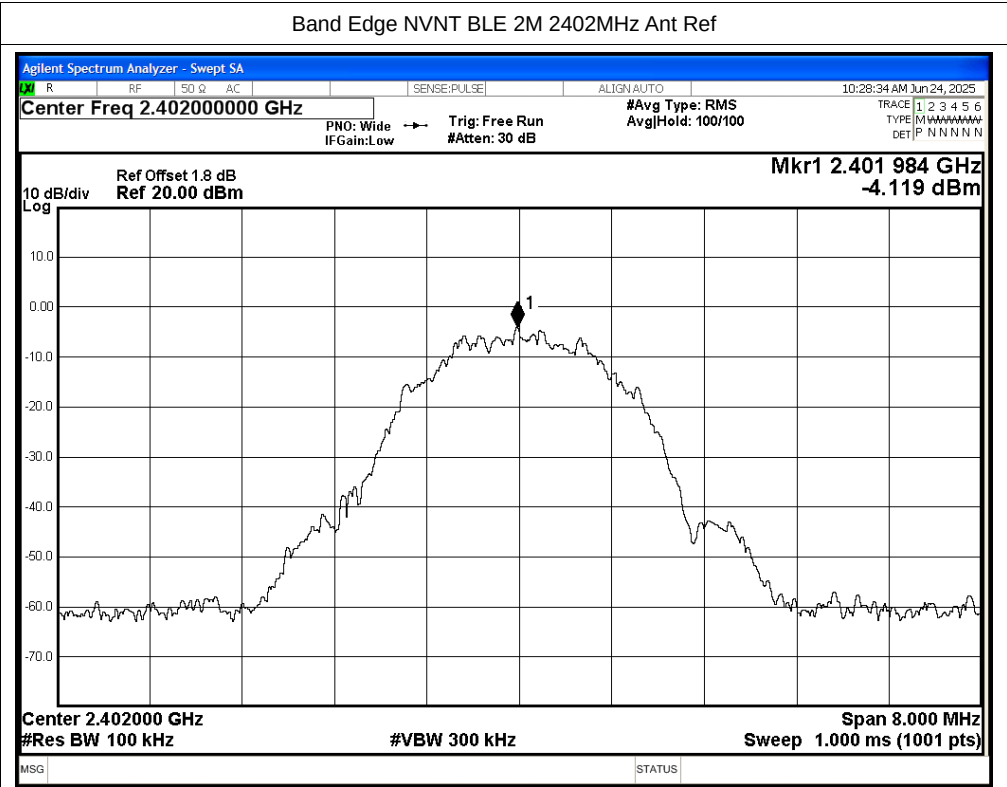


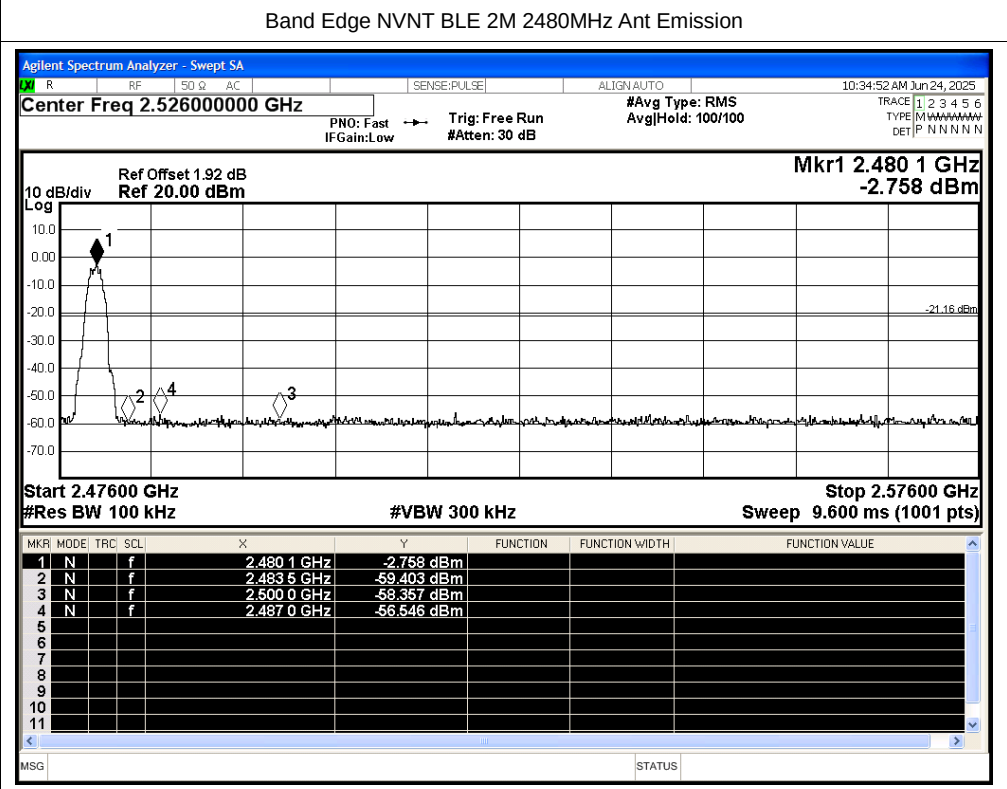
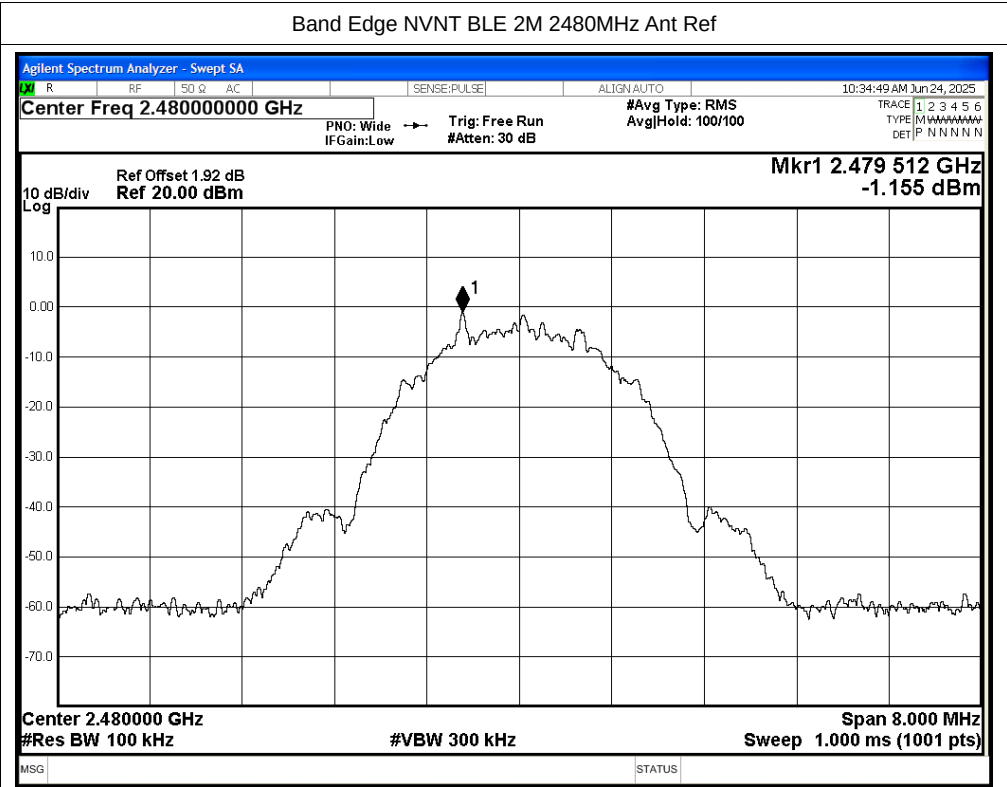
A.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant	-52.86	-20	Pass
NVNT	BLE 1M	2480	Ant	-56.32	-20	Pass
NVNT	BLE 2M	2402	Ant	-44.38	-20	Pass
NVNT	BLE 2M	2480	Ant	-55.39	-20	Pass



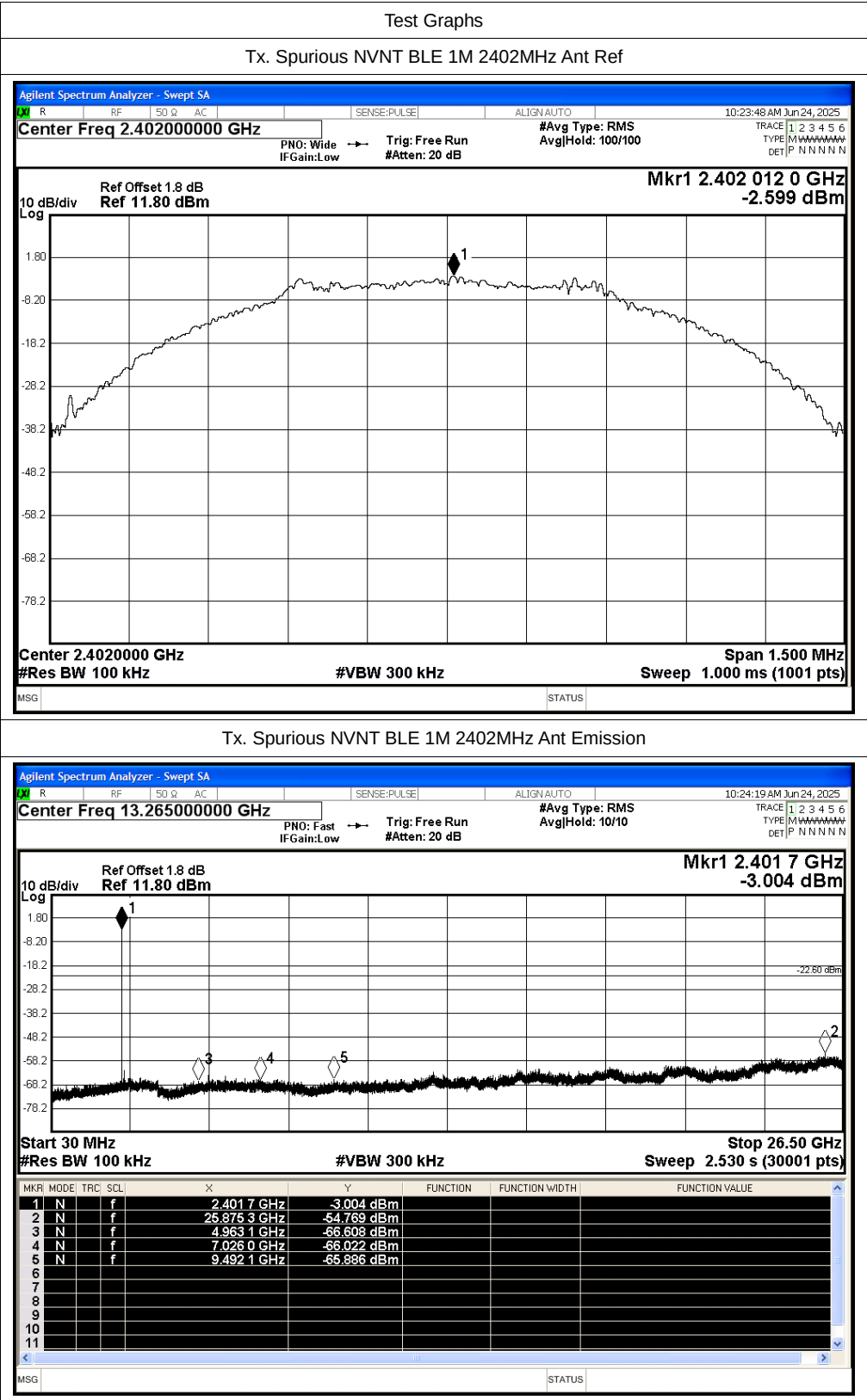


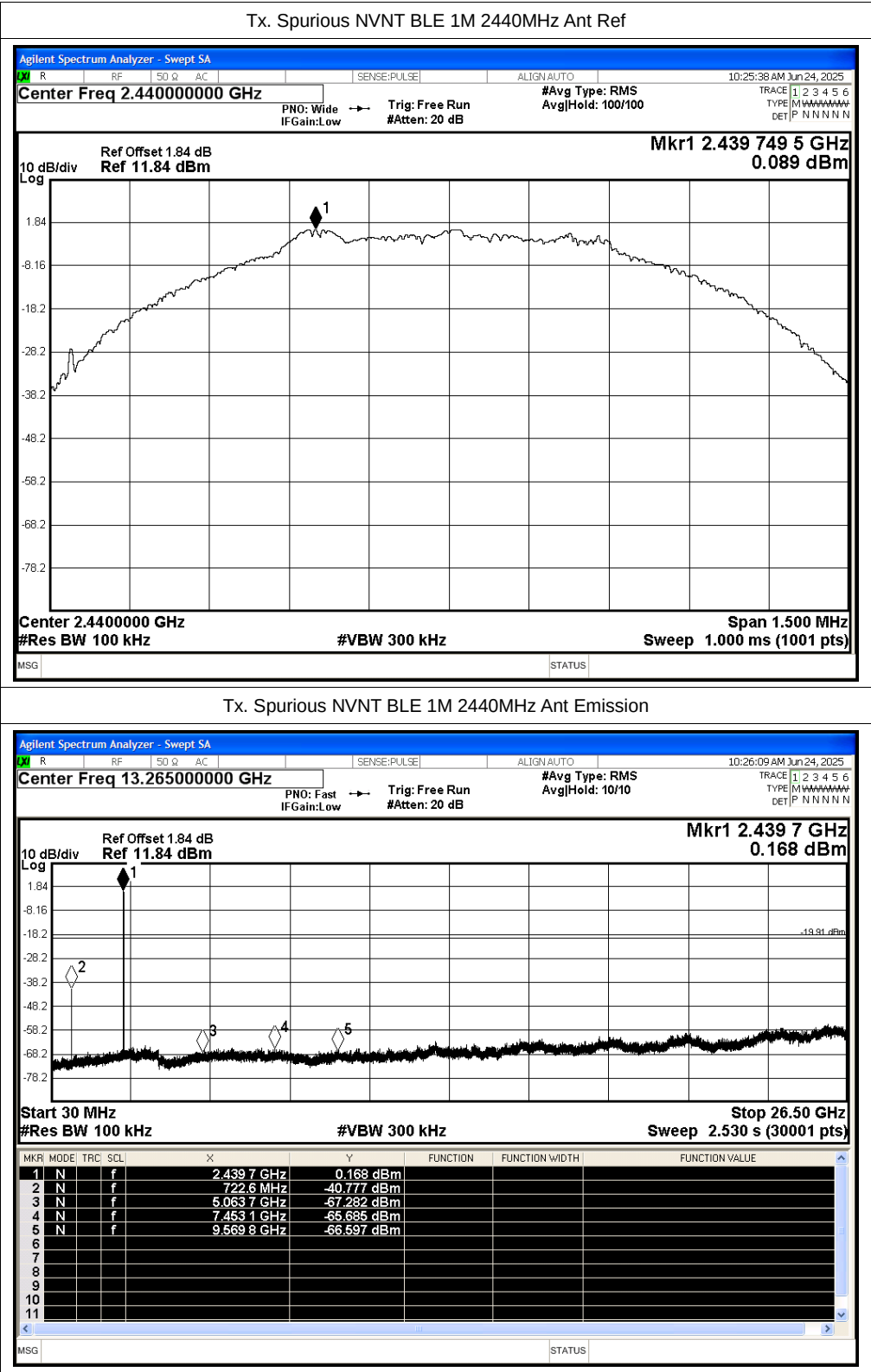




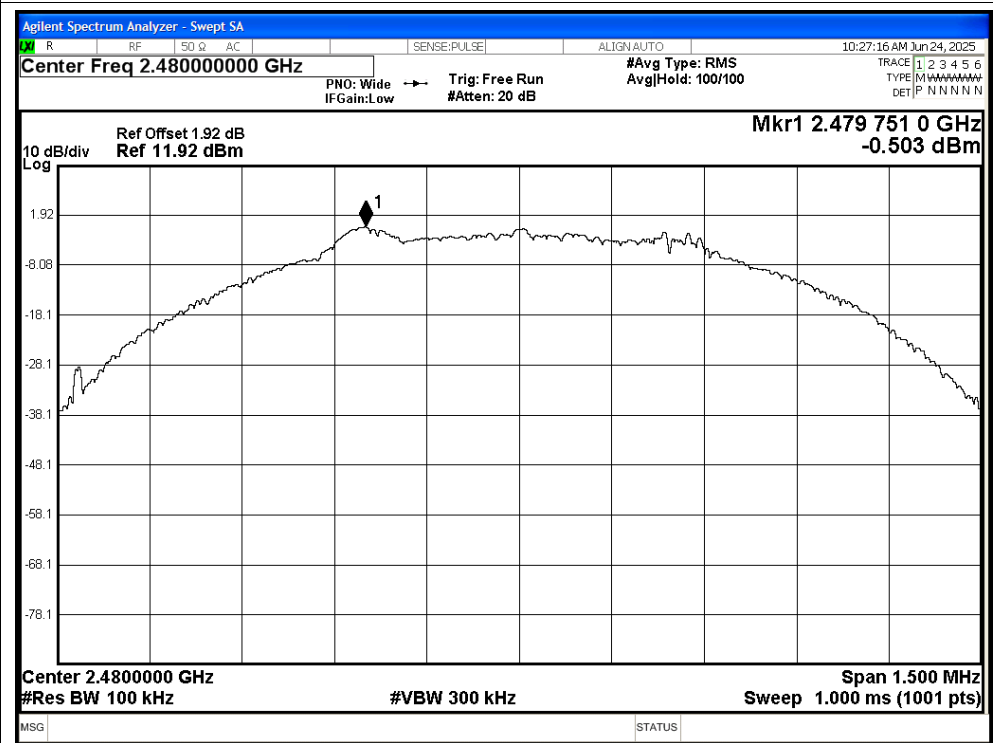
A.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant	-52.17	-20	Pass
NVNT	BLE 1M	2440	Ant	-40.87	-20	Pass
NVNT	BLE 1M	2480	Ant	-54.62	-20	Pass
NVNT	BLE 2M	2402	Ant	-52.66	-20	Pass
NVNT	BLE 2M	2440	Ant	-52.06	-20	Pass
NVNT	BLE 2M	2480	Ant	-54.4	-20	Pass

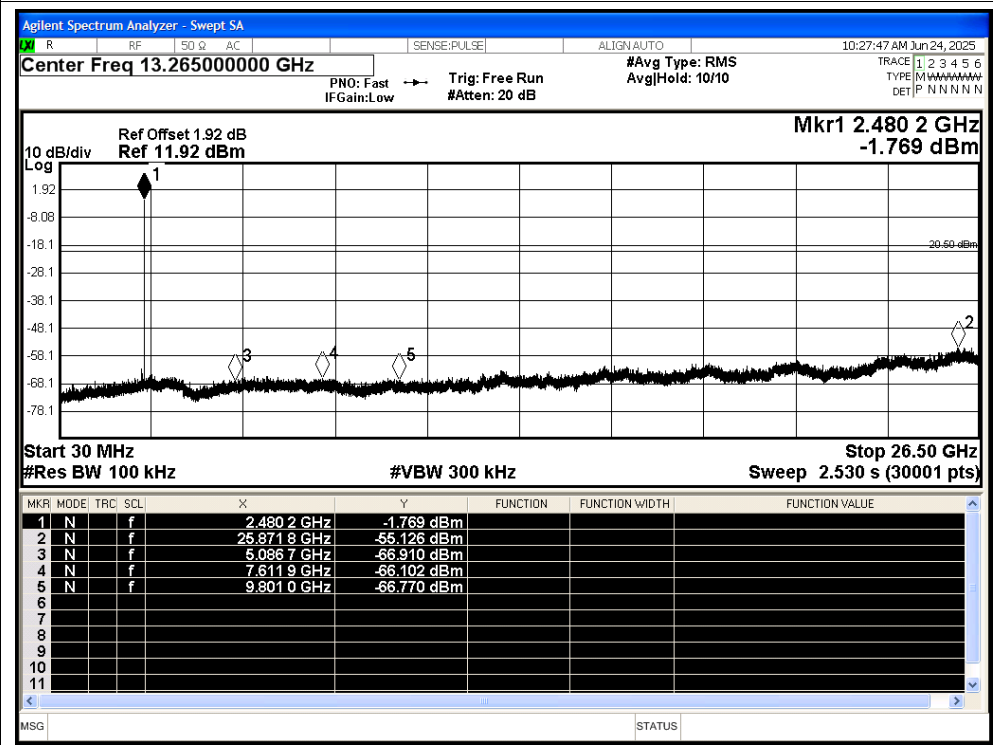


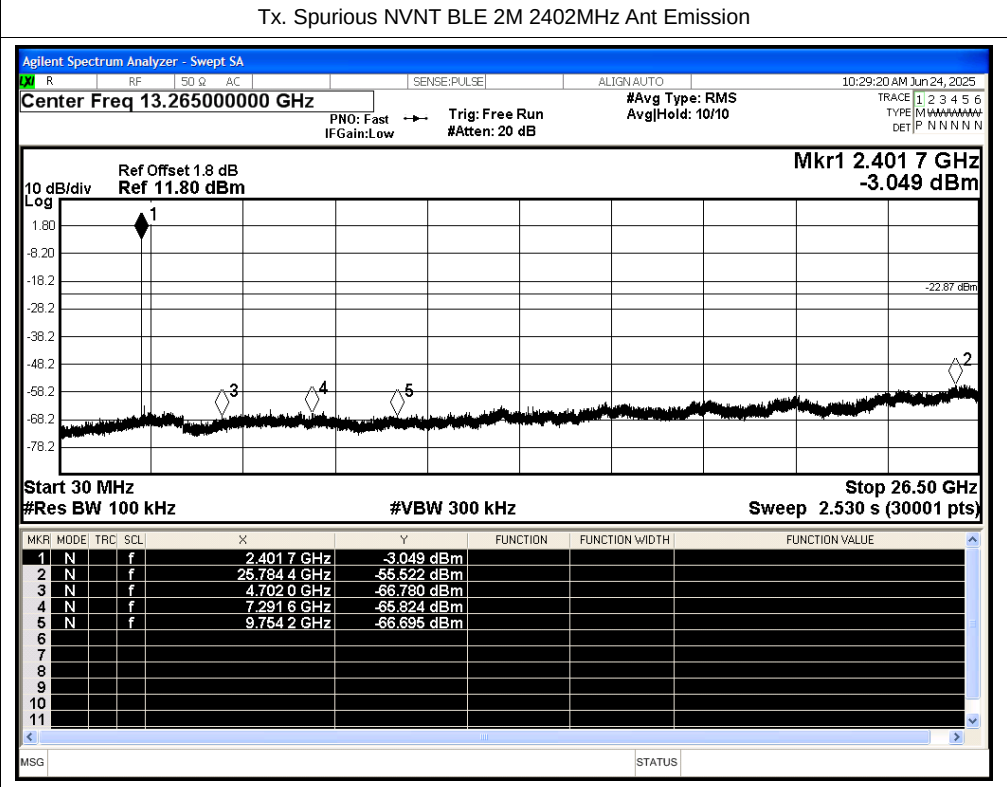
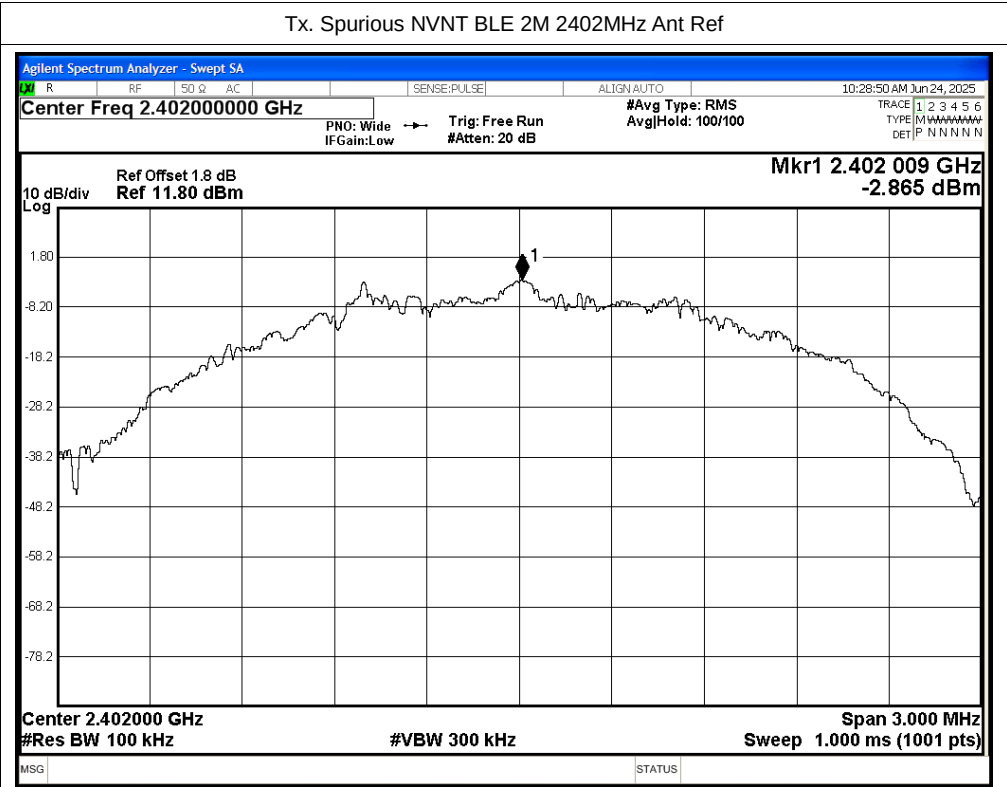


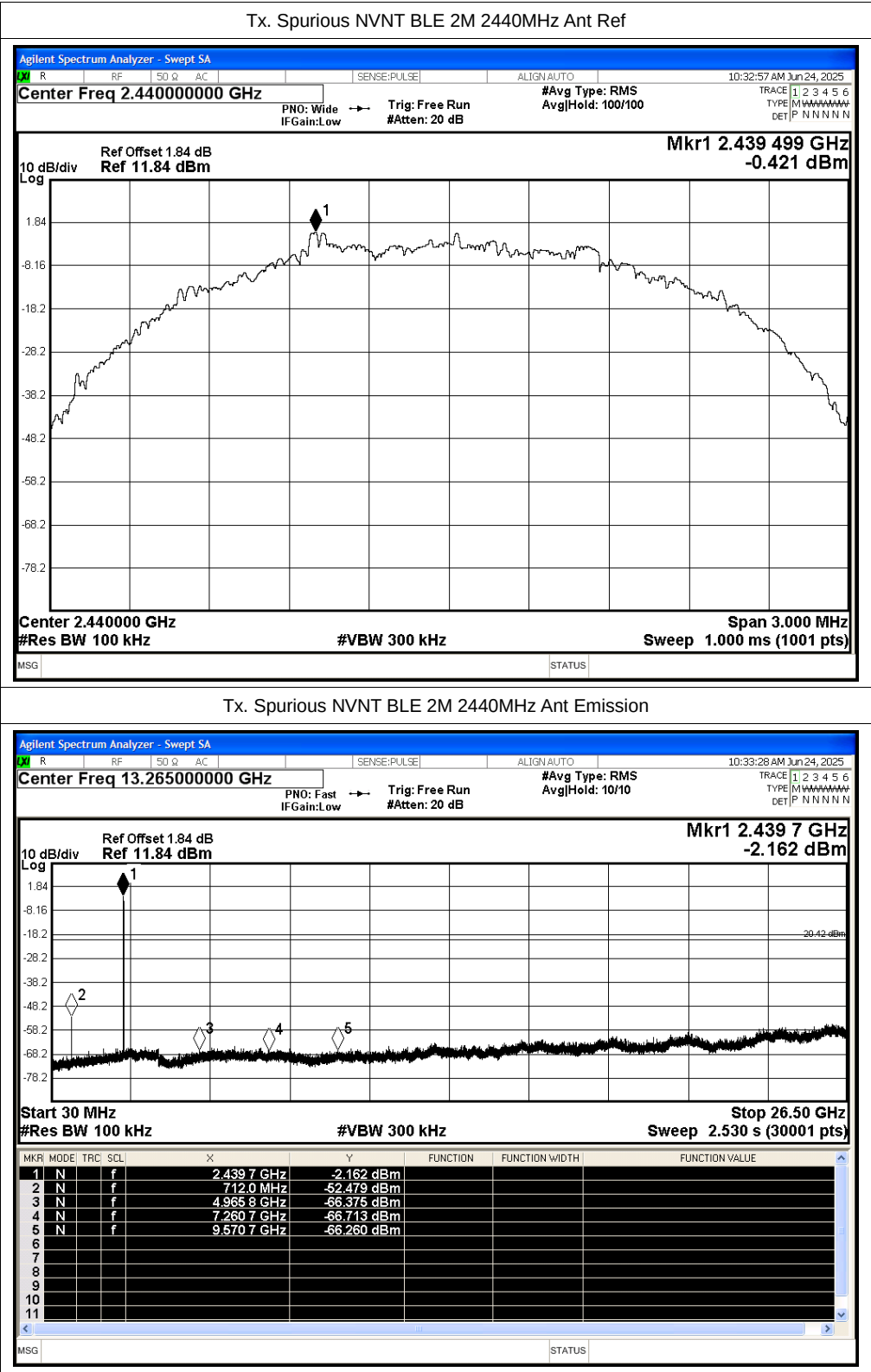
Tx. Spurious NVNT BLE 1M 2480MHz Ant Ref

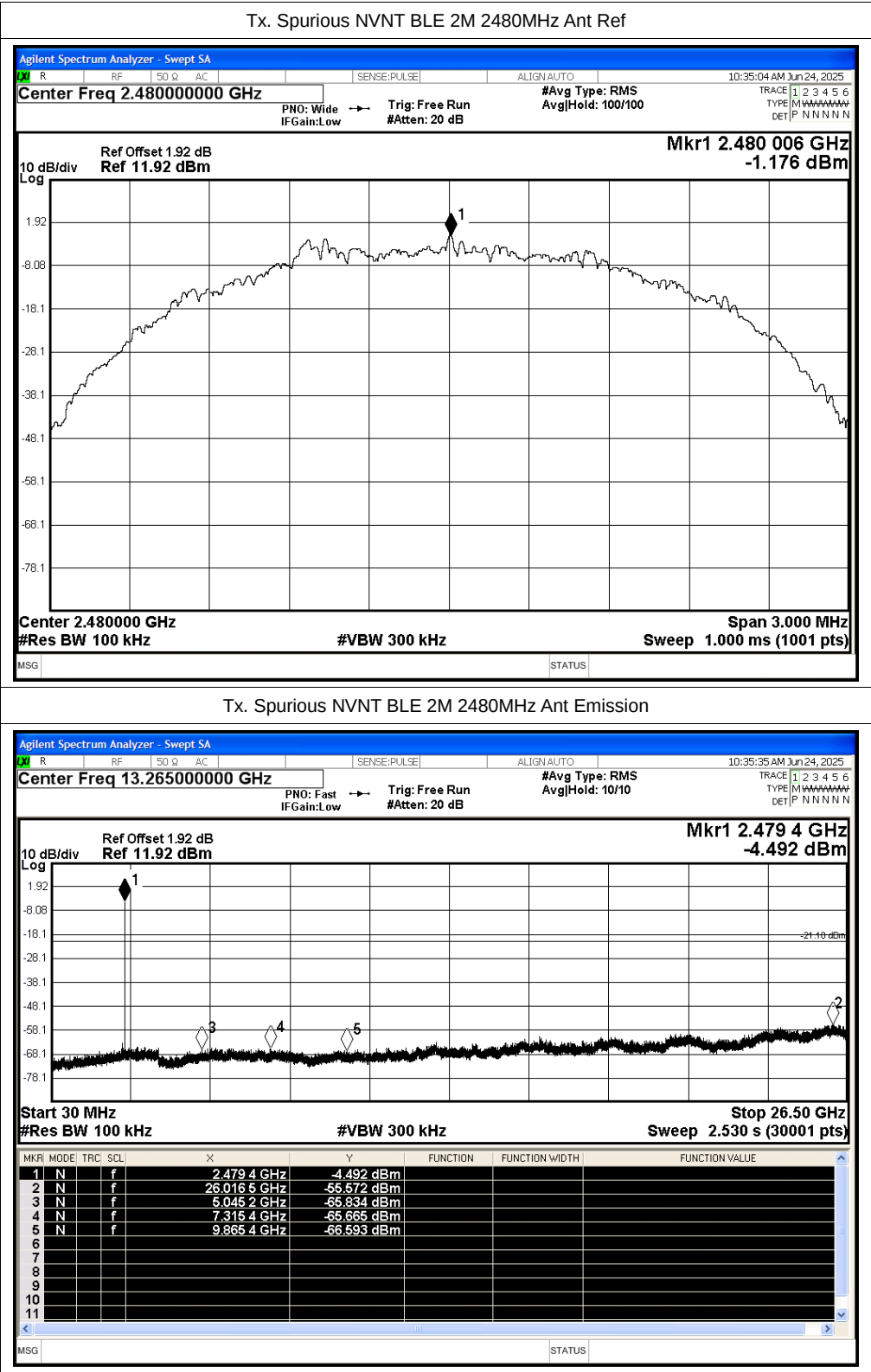


Tx. Spurious NVNT BLE 1M 2480MHz Ant Emission



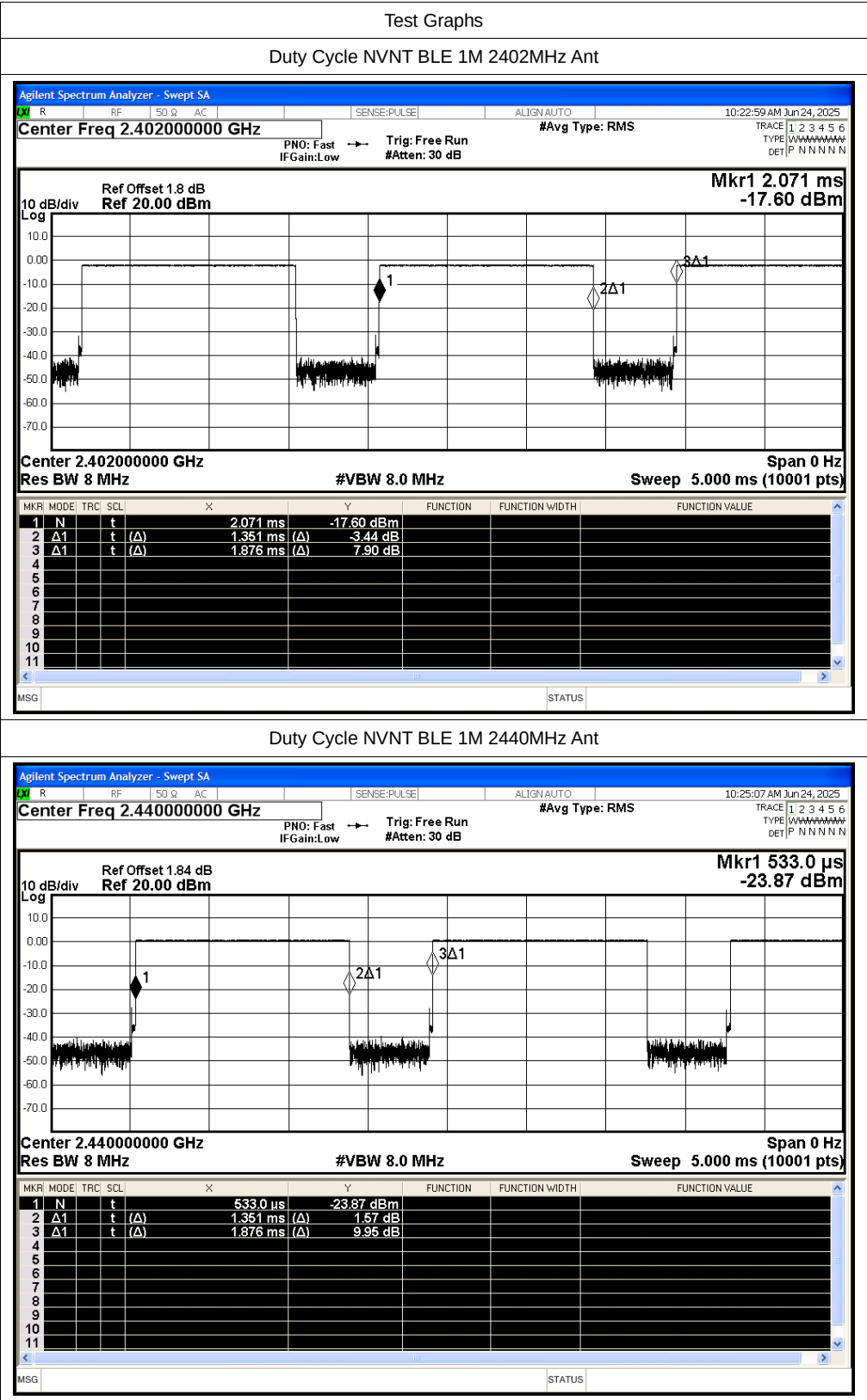


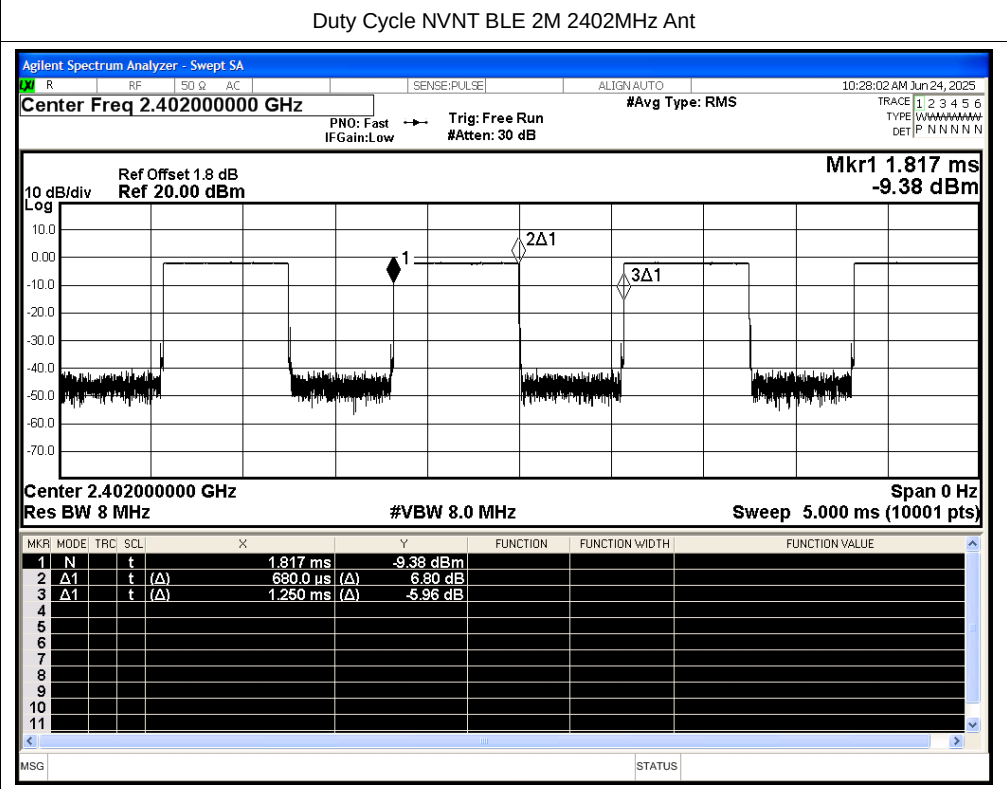
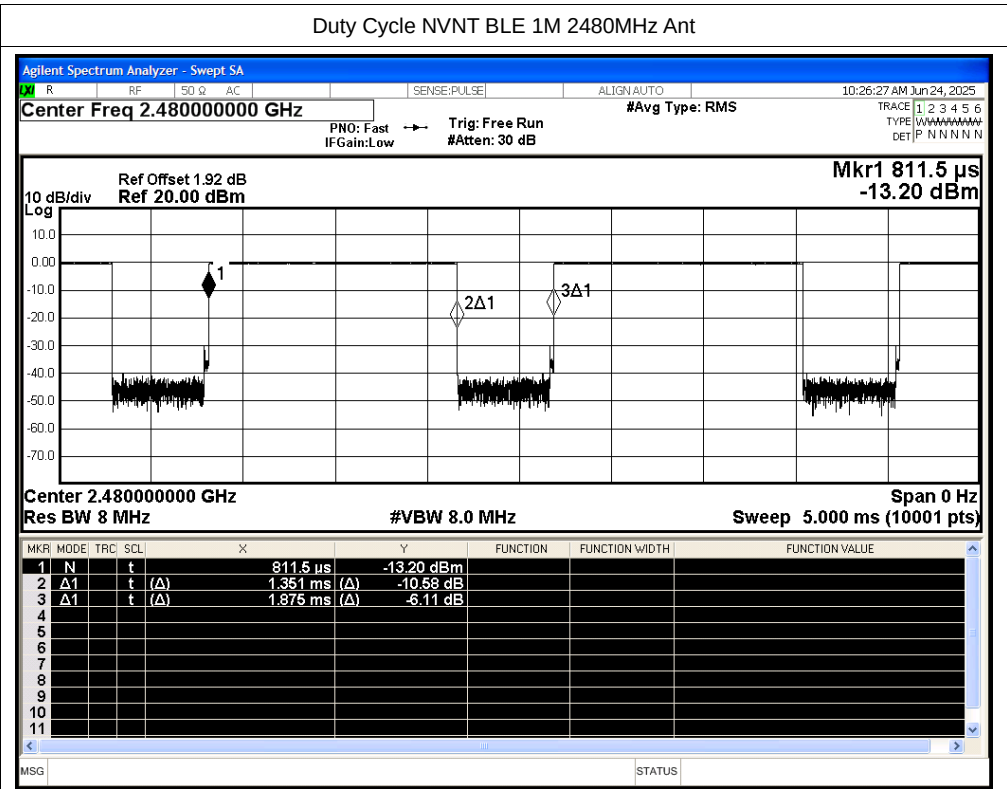


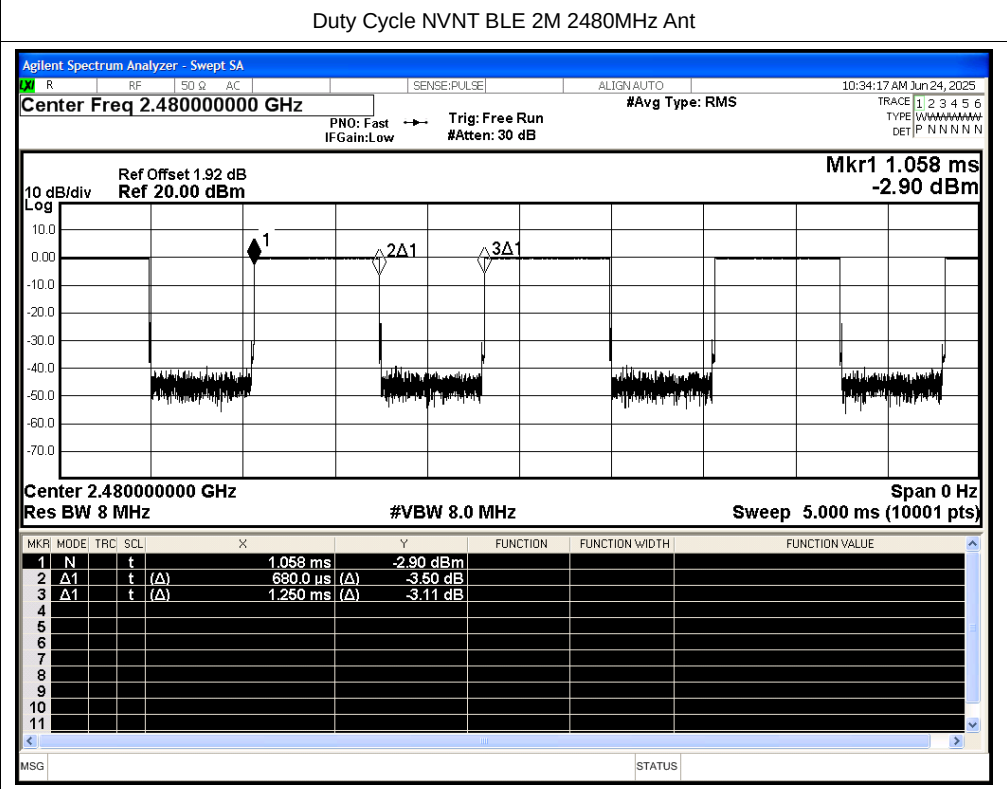
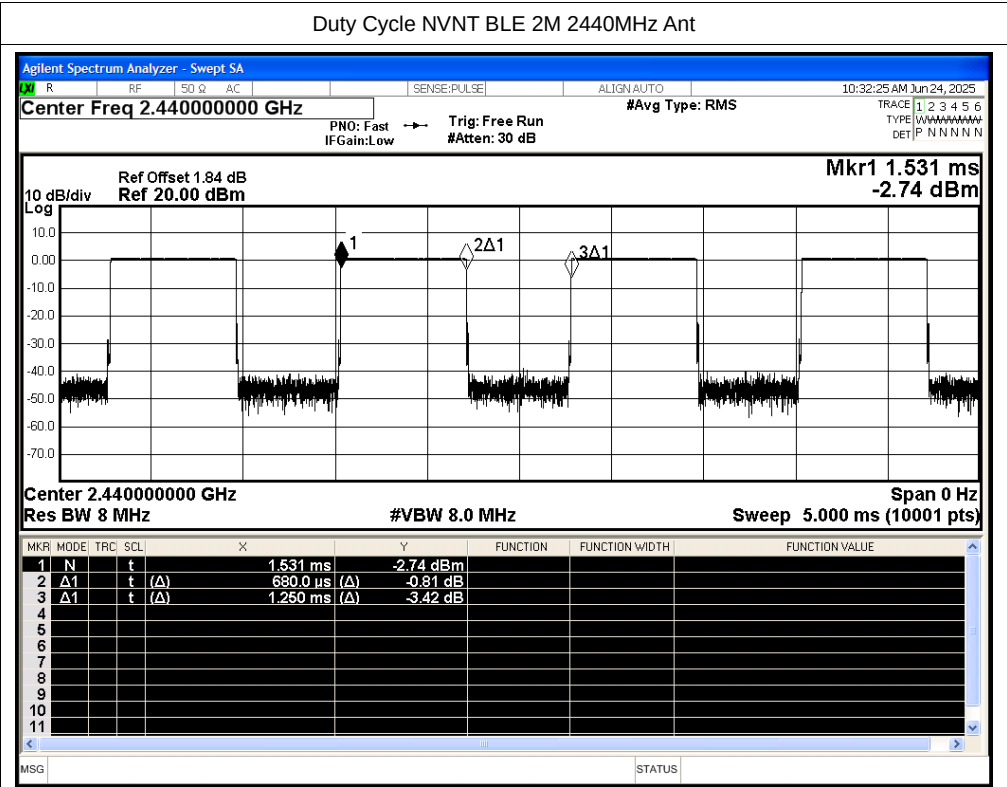


A.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant	72.01	1.43	0.74
NVNT	BLE 1M	2440	Ant	72.03	1.42	0.74
NVNT	BLE 1M	2480	Ant	72.03	1.42	0.74
NVNT	BLE 2M	2402	Ant	54.4	2.64	1.47
NVNT	BLE 2M	2440	Ant	54.4	2.64	1.47
NVNT	BLE 2M	2480	Ant	54.4	2.64	1.47







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	Ant	2310	-51.25	2	-	46.01	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2310	-58.88	2	1.43	39.81	Average	54	Pass
NVNT	BLE 1M	2402	Ant	2340.912	-48.05	2	-	49.21	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2388.816	-58.3	2	1.43	40.39	Average	54	Pass
NVNT	BLE 1M	2402	Ant	2390	-51.01	2	-	46.25	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2390	-58.58	2	1.43	40.11	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2483.5	-50.08	2	-	47.18	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2483.5	-57.77	2	1.42	40.91	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2486.296	-45.6	2	-	51.66	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2484.904	-57.72	2	1.42	40.96	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2500	-50.42	2	-	46.84	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2500	-58.2	2	1.42	40.48	Average	54	Pass
NVNT	BLE 2M	2402	Ant	2310	-51.27	2	-	45.99	Peak	74	Pass
NVNT	BLE 2M	2402	Ant	2310	-58.71	2	2.64	41.19	Average	54	Pass
NVNT	BLE 2M	2402	Ant	2363.568	-47.5	2	-	49.76	Peak	74	Pass
NVNT	BLE 2M	2402	Ant	2350.512	-57.7	2	2.64	42.2	Average	54	Pass
NVNT	BLE 2M	2402	Ant	2390	-51.26	2	-	46	Peak	74	Pass
NVNT	BLE 2M	2402	Ant	2390	-58.54	2	2.64	41.36	Average	54	Pass
NVNT	BLE 2M	2480	Ant	2483.5	-48.37	2	-	48.89	Peak	74	Pass
NVNT	BLE 2M	2480	Ant	2483.5	-57.71	2	2.64	42.19	Average	54	Pass
NVNT	BLE 2M	2480	Ant	2485.72	-43.79	2	-	53.47	Peak	74	Pass
NVNT	BLE 2M	2480	Ant	2483.536	-57.36	2	2.64	42.54	Average	54	Pass
NVNT	BLE 2M	2480	Ant	2500	-50.07	2	-	47.19	Peak	74	Pass
NVNT	BLE 2M	2480	Ant	2500	-57.91	2	2.64	41.99	Average	54	Pass

