



Appendix B

RF Test Data for BLE (Conducted Measurement)

Product Name: Kids Smartwatch

Test Model: Kidzi

Environmental Conditions

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

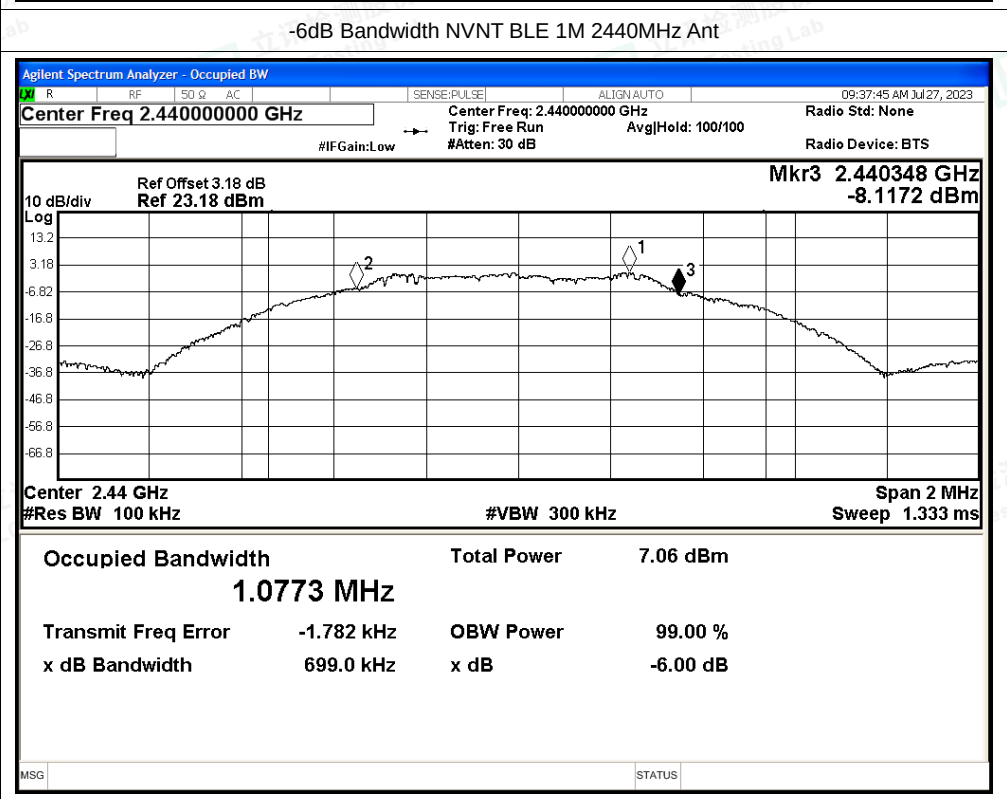
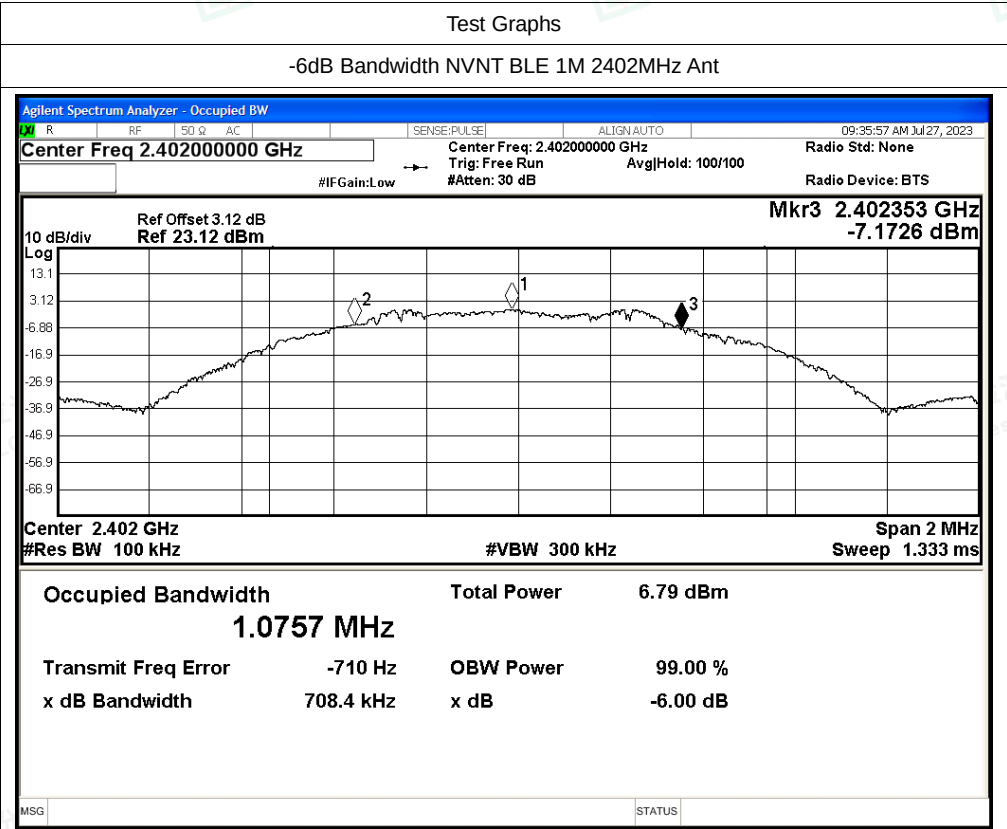


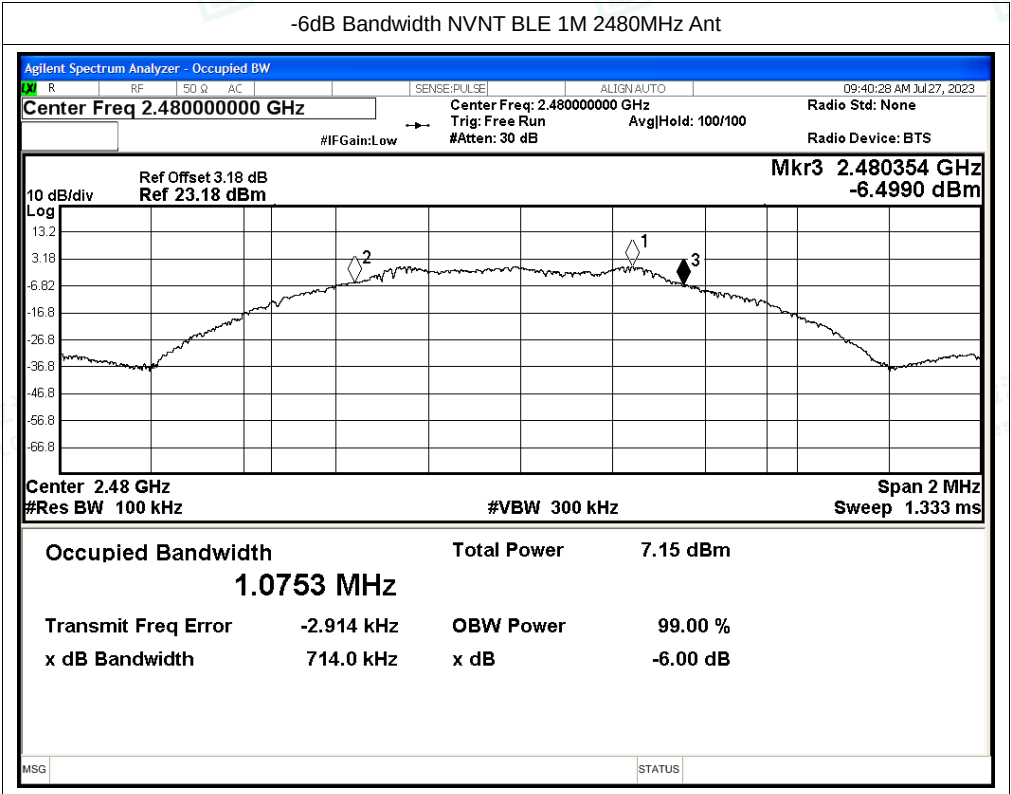


B.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant	0.708	>=0.5	Pass
NVNT	BLE 1M	2440	Ant	0.699	>=0.5	Pass
NVNT	BLE 1M	2480	Ant	0.714	>=0.5	Pass





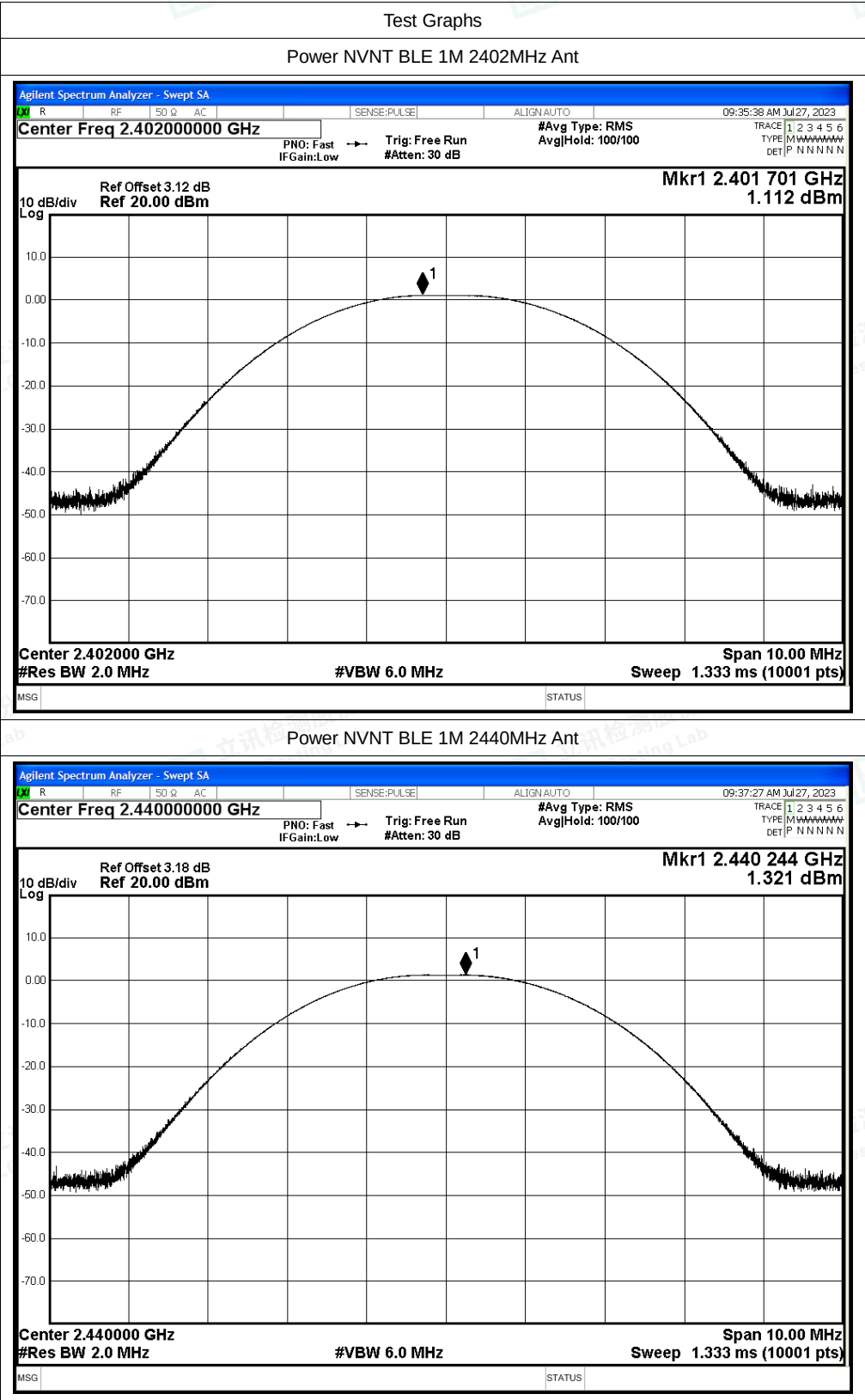


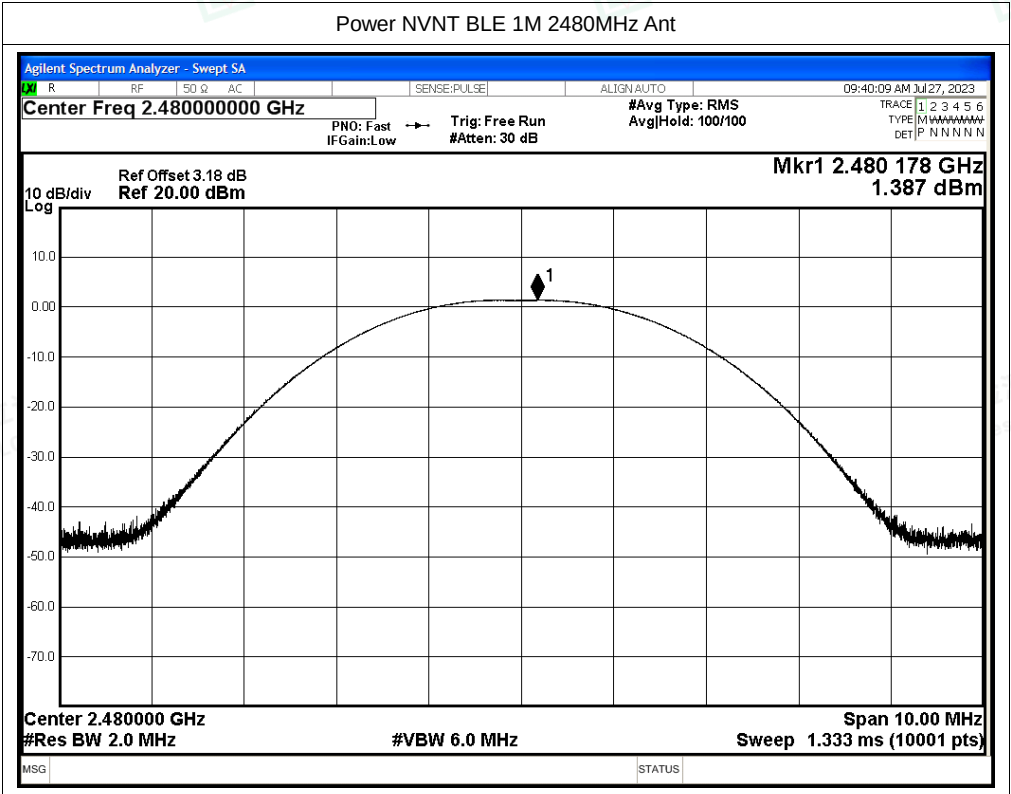


B.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant	1.11	30	Pass
NVNT	BLE 1M	2440	Ant	1.32	30	Pass
NVNT	BLE 1M	2480	Ant	1.39	30	Pass





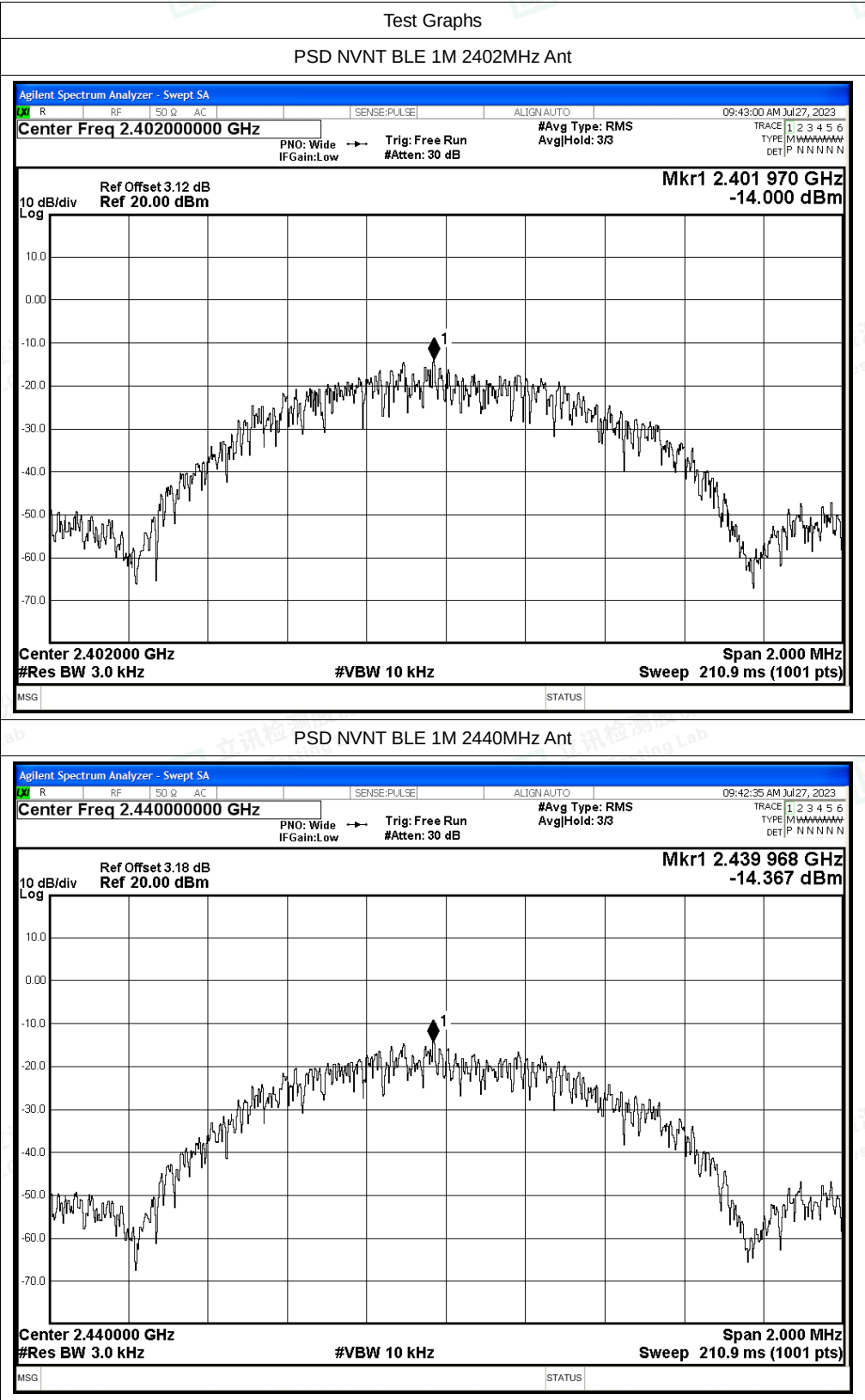




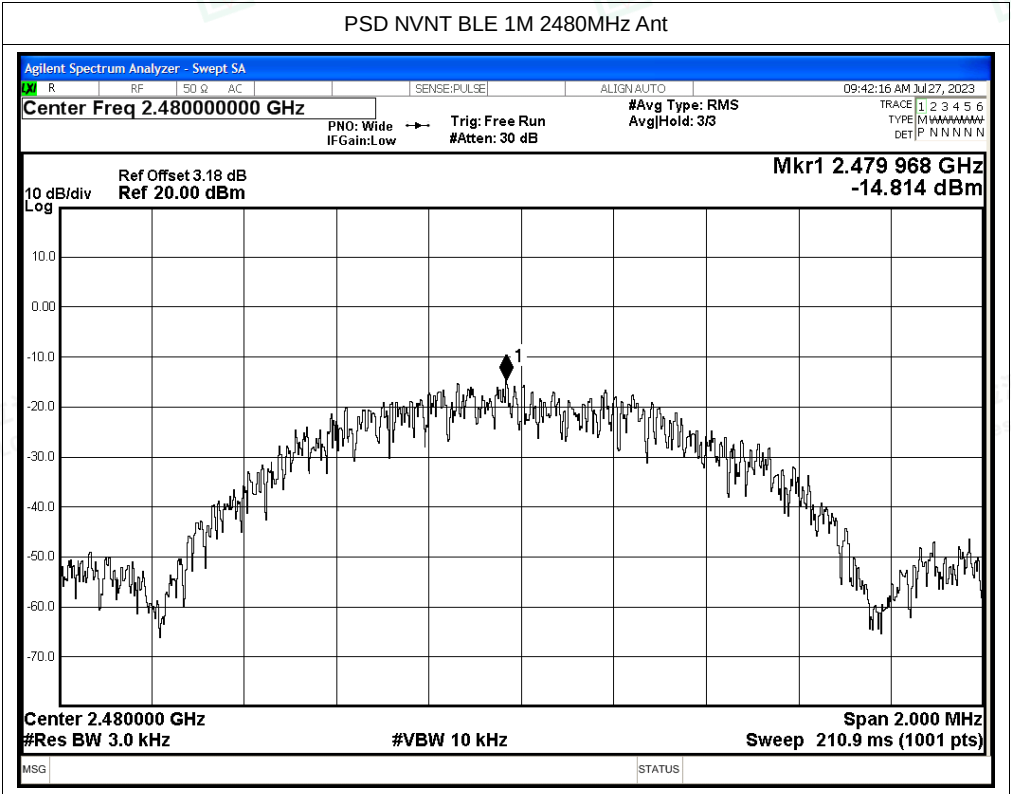
B.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant	-14	8	Pass
NVNT	BLE 1M	2440	Ant	-14.37	8	Pass
NVNT	BLE 1M	2480	Ant	-14.81	8	Pass





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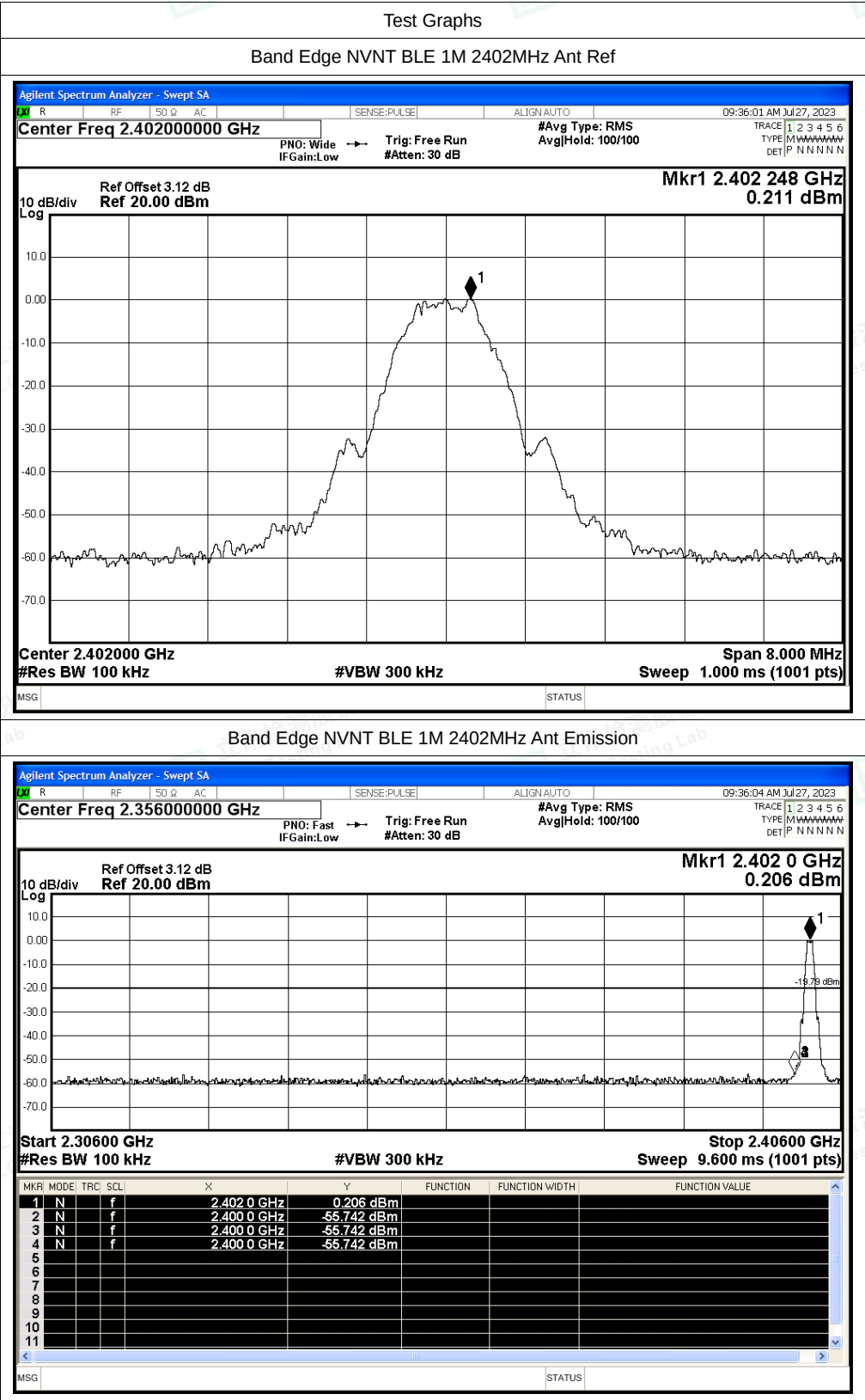


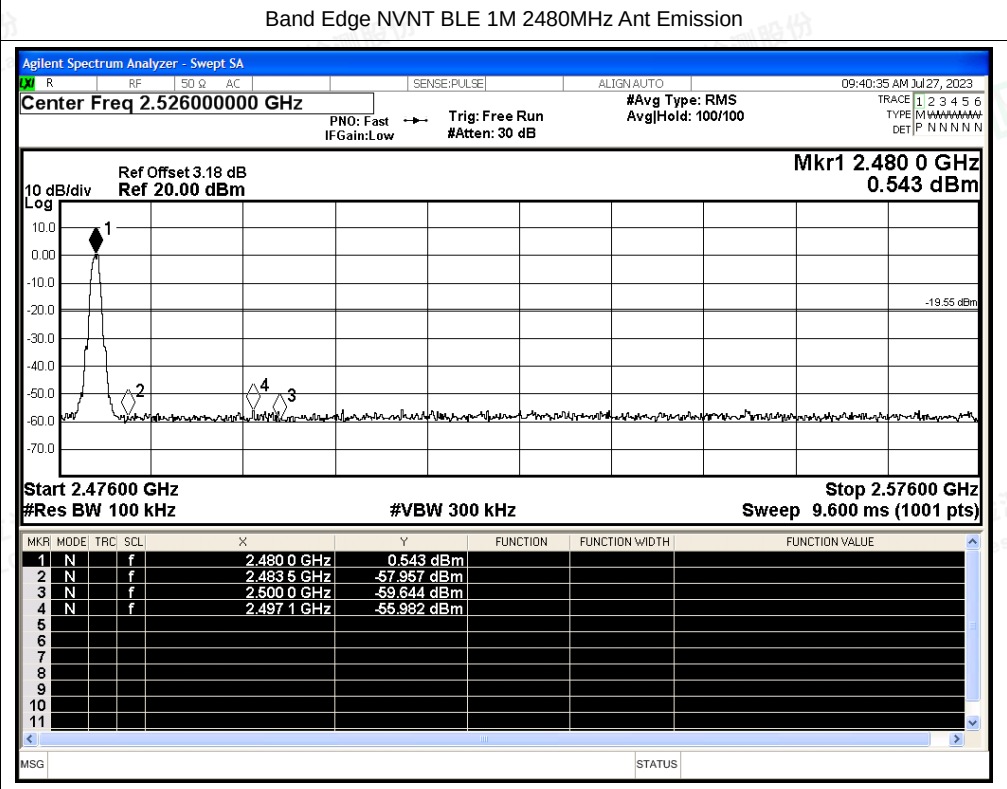
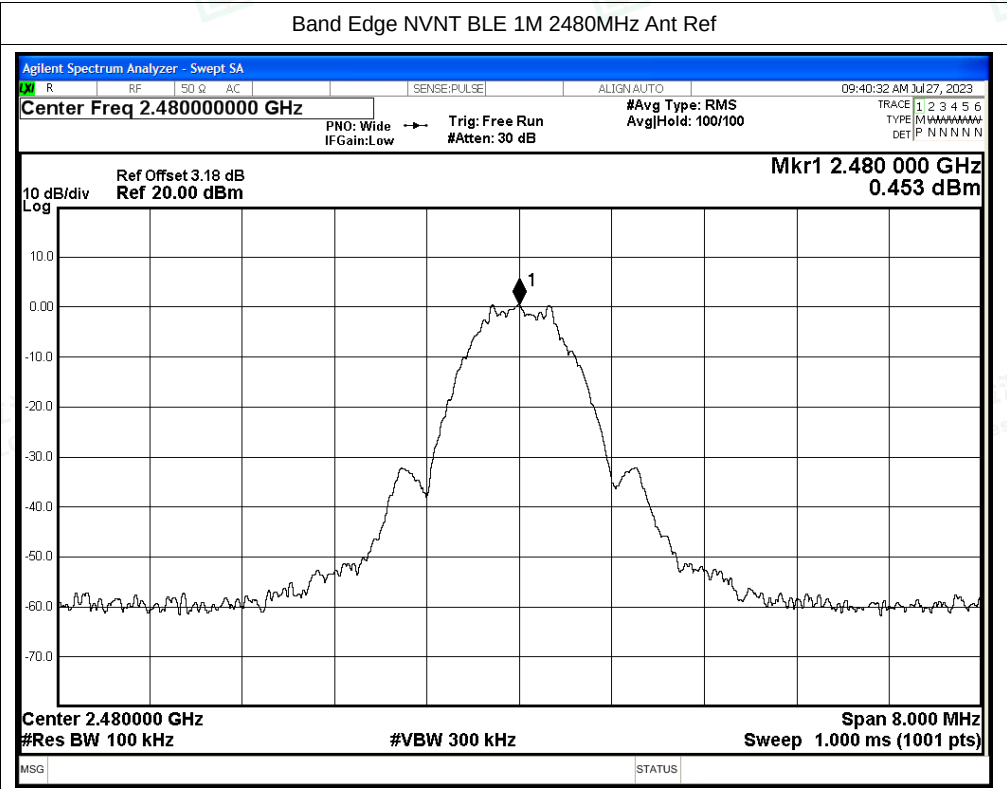


B.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant	-55.95	-20	Pass
NVNT	BLE 1M	2480	Ant	-56.44	-20	Pass





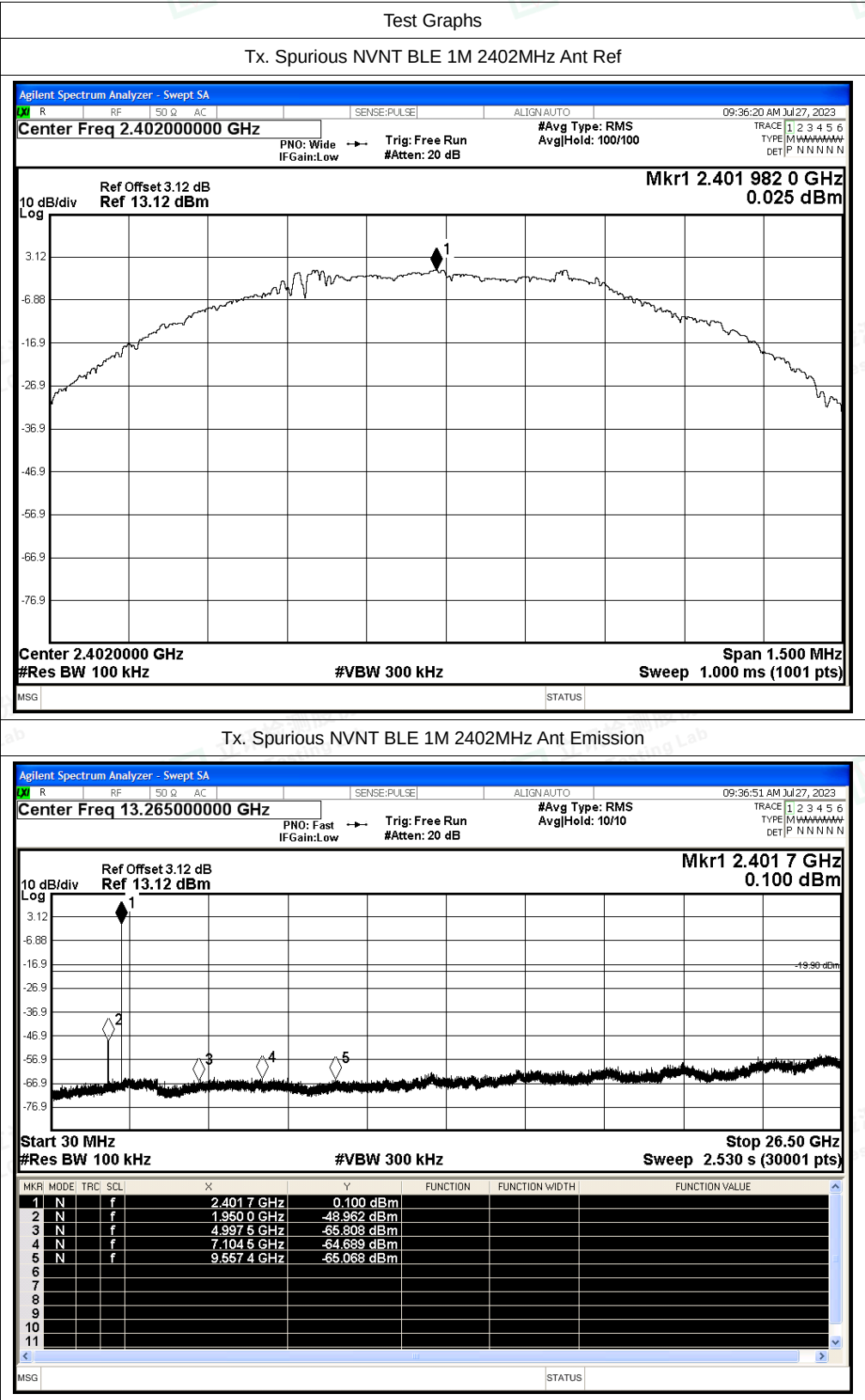


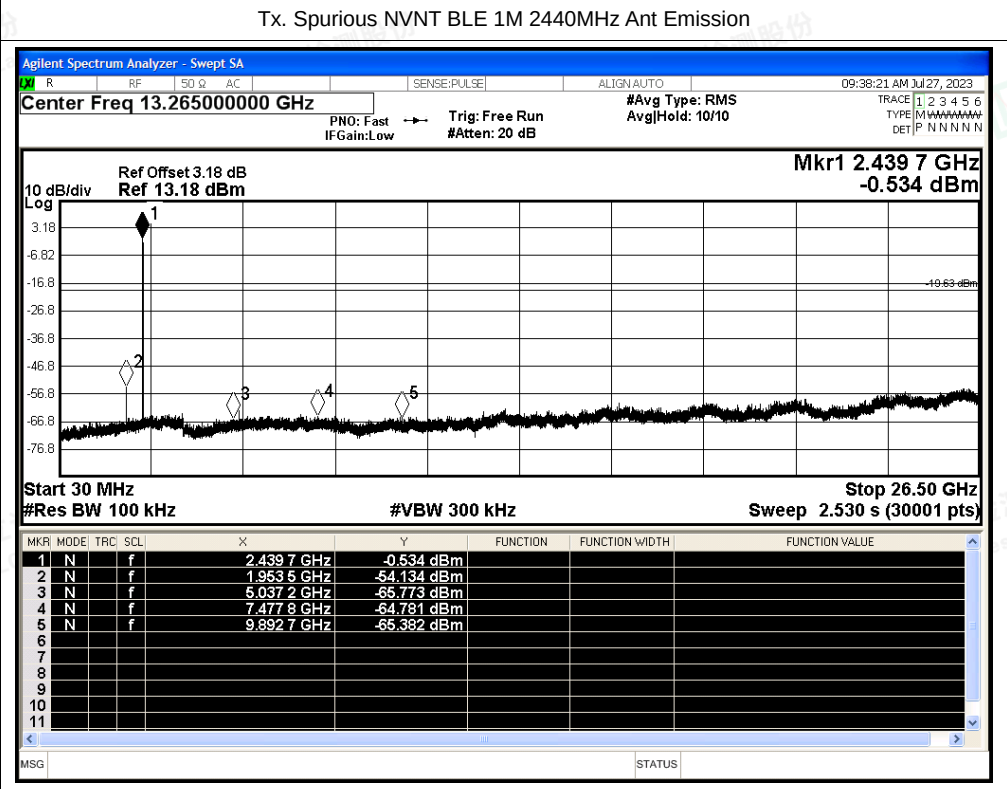
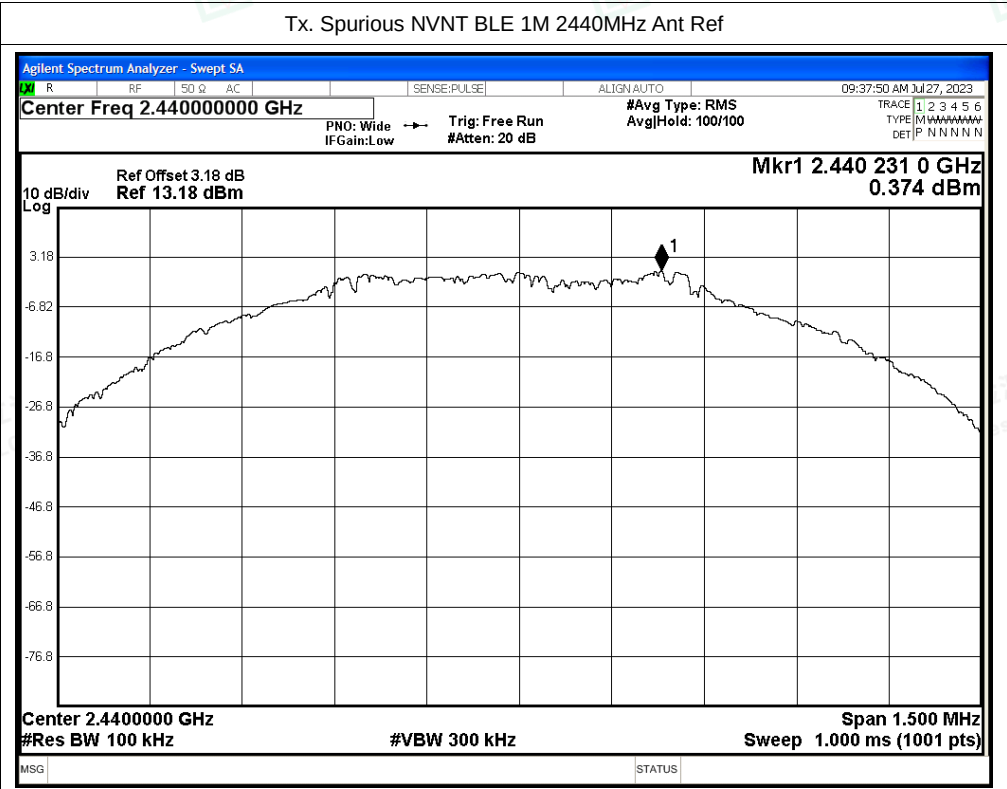


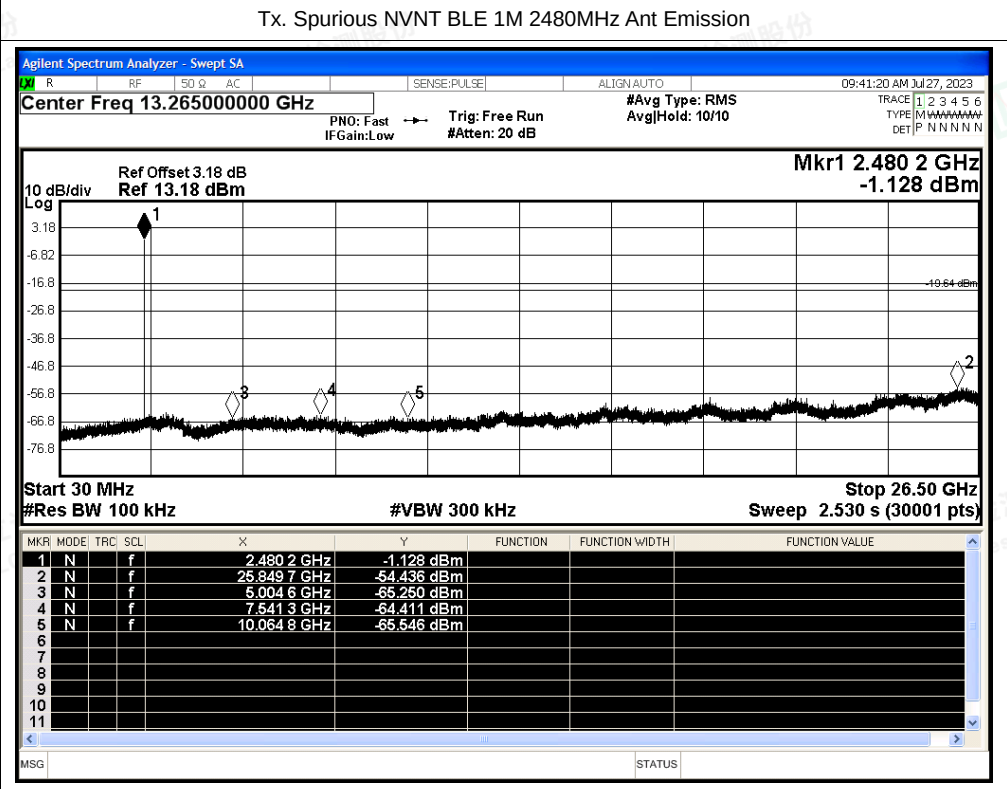
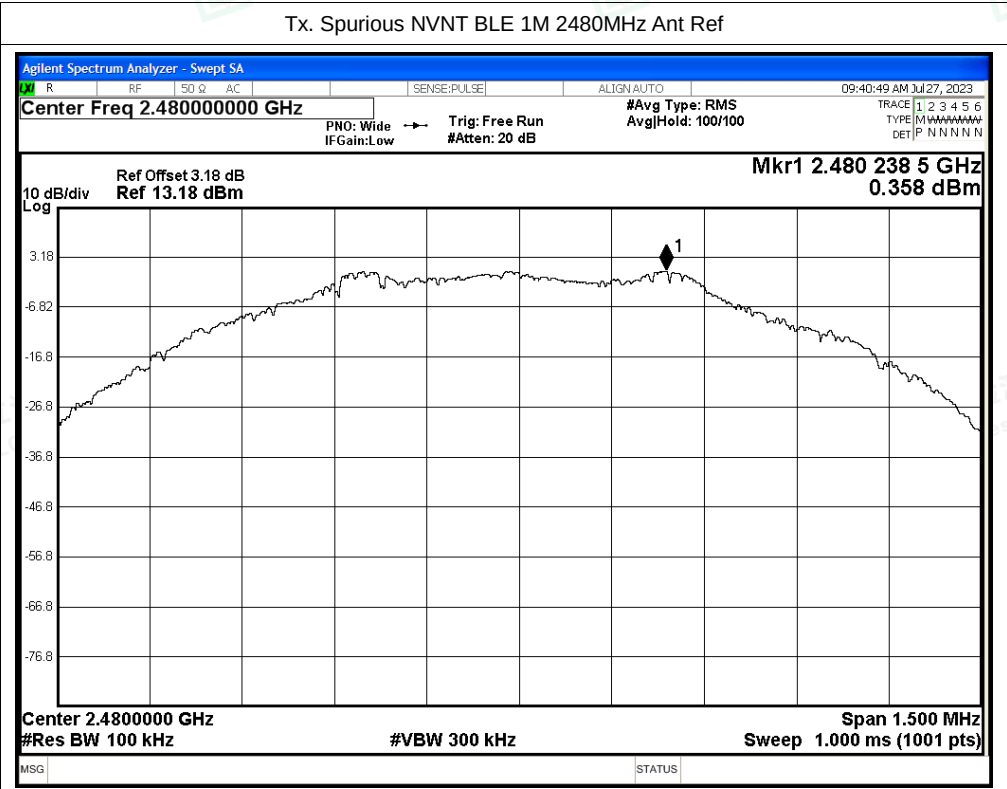
B.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant	-48.99	-20	Pass
NVNT	BLE 1M	2440	Ant	-54.51	-20	Pass
NVNT	BLE 1M	2480	Ant	-54.79	-20	Pass







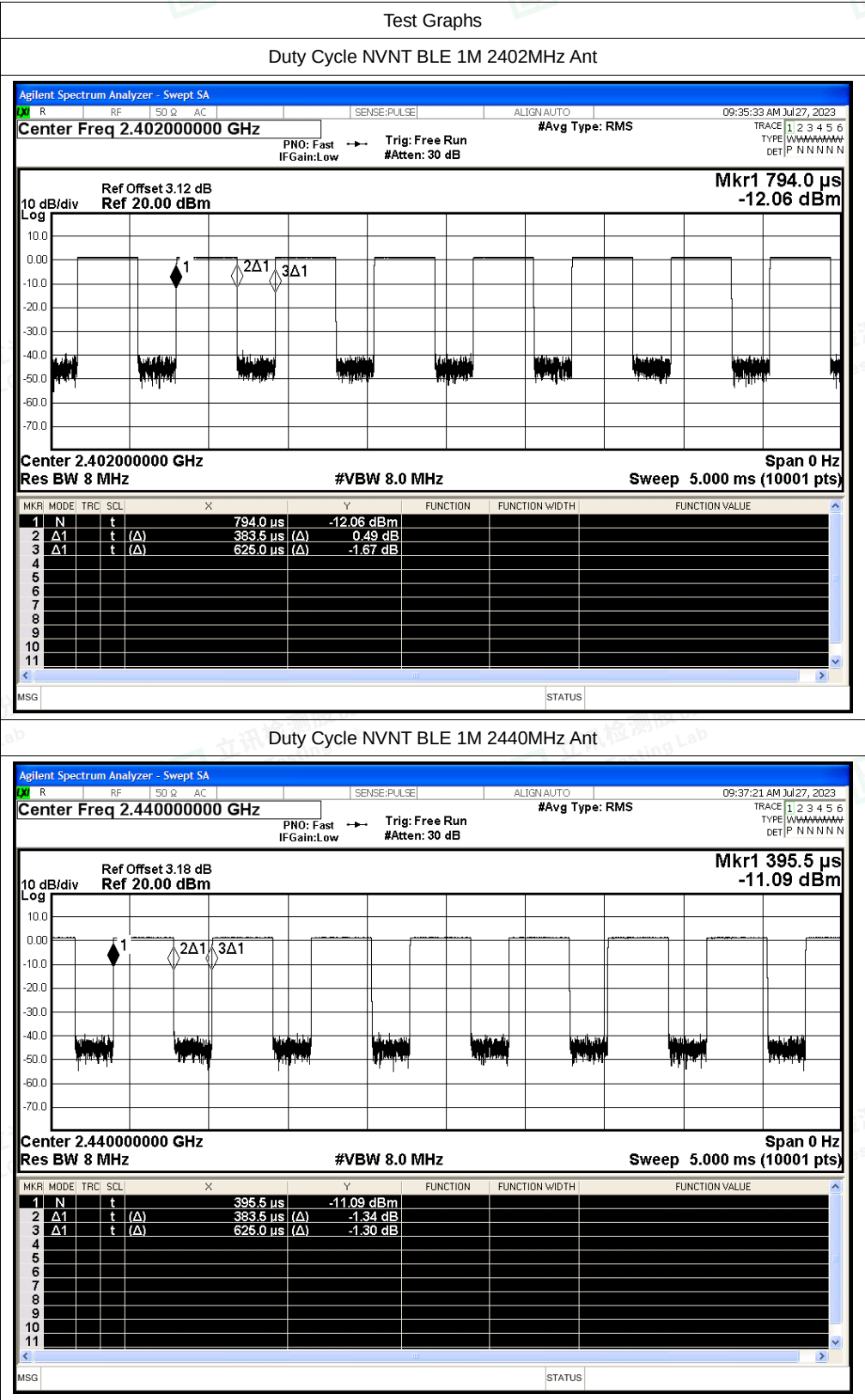


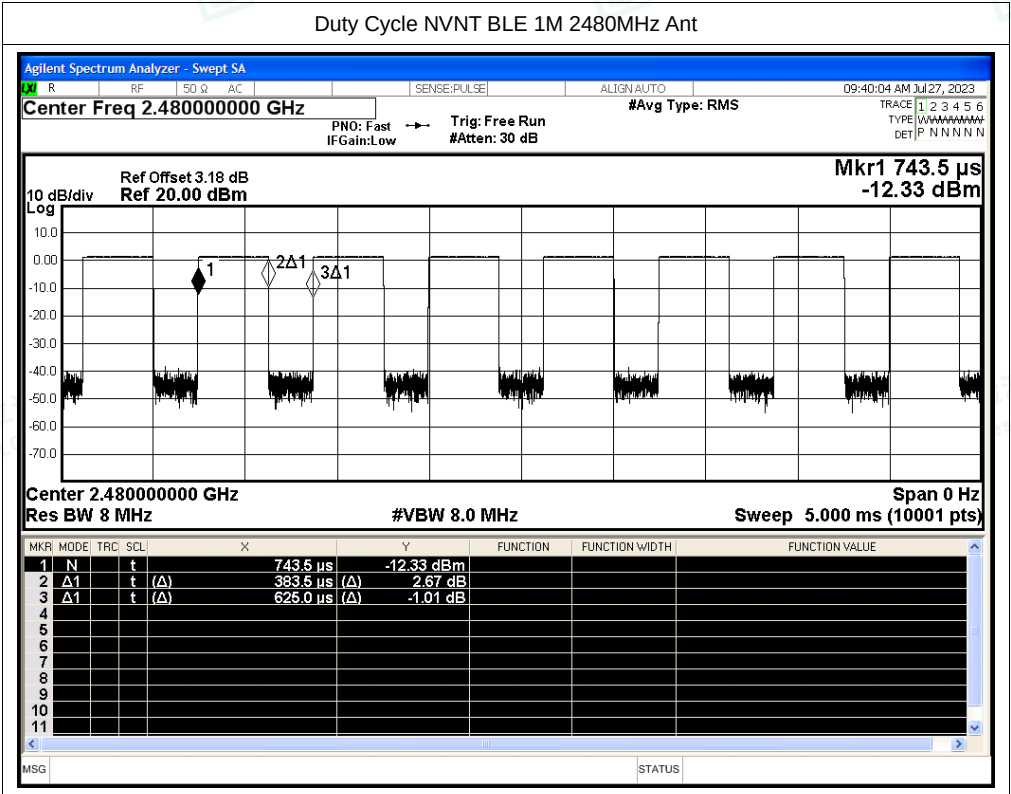


B.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant	61.36	2.12	2.61
NVNT	BLE 1M	2440	Ant	61.36	2.12	2.61
NVNT	BLE 1M	2480	Ant	61.36	2.12	2.61









B.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant	2310	-50.08	2	47.18	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2310	-56.46	2	40.8	Average	54	Pass
NVNT	BLE 1M	2402	Ant	2386.128	-46.61	2	50.65	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2388.144	-55.38	2	41.88	Average	54	Pass
NVNT	BLE 1M	2402	Ant	2390	-49.32	2	47.94	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2390	-56.08	2	41.18	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2483.5	-49.03	2	48.23	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2483.5	-53.69	2	43.57	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2490.904	-46.08	2	51.18	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2483.512	-53.69	2	43.57	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2500	-49.89	2	47.37	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2500	-55.72	2	41.54	Average	54	Pass



