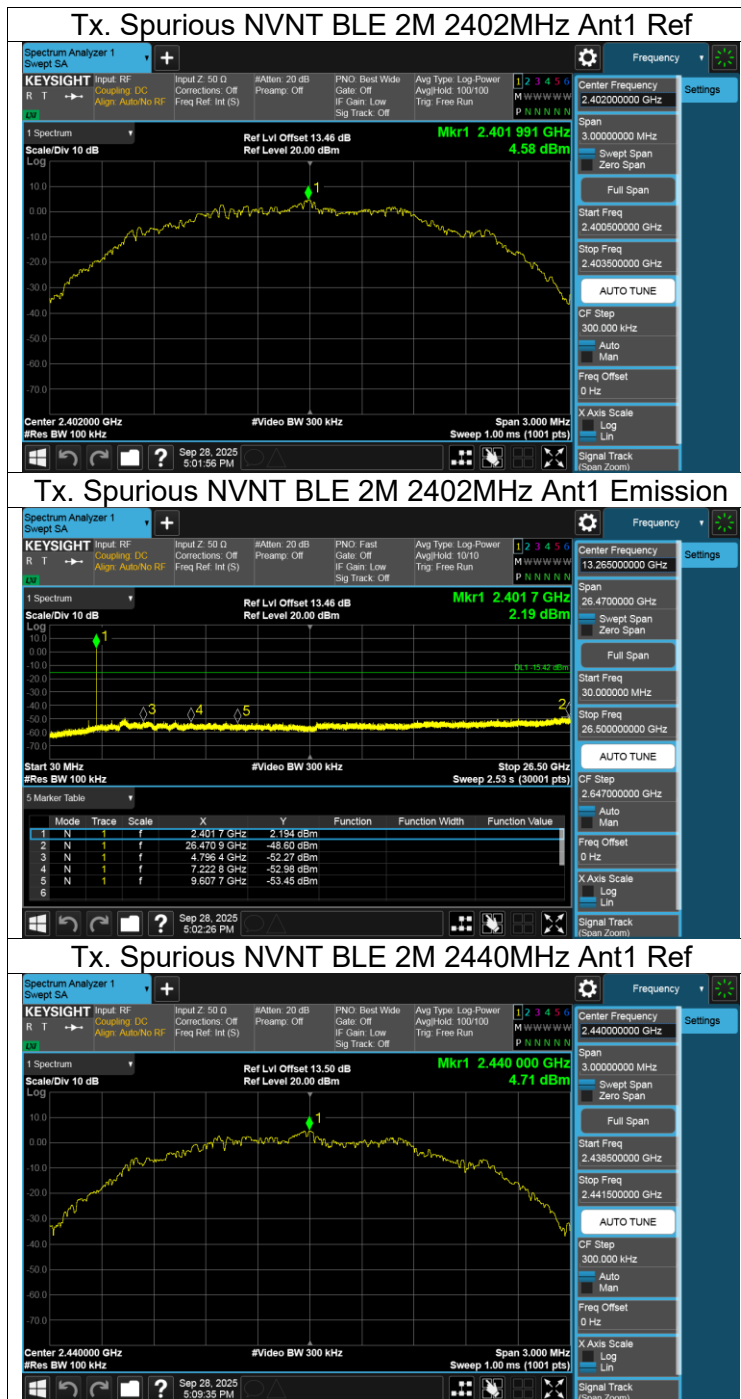
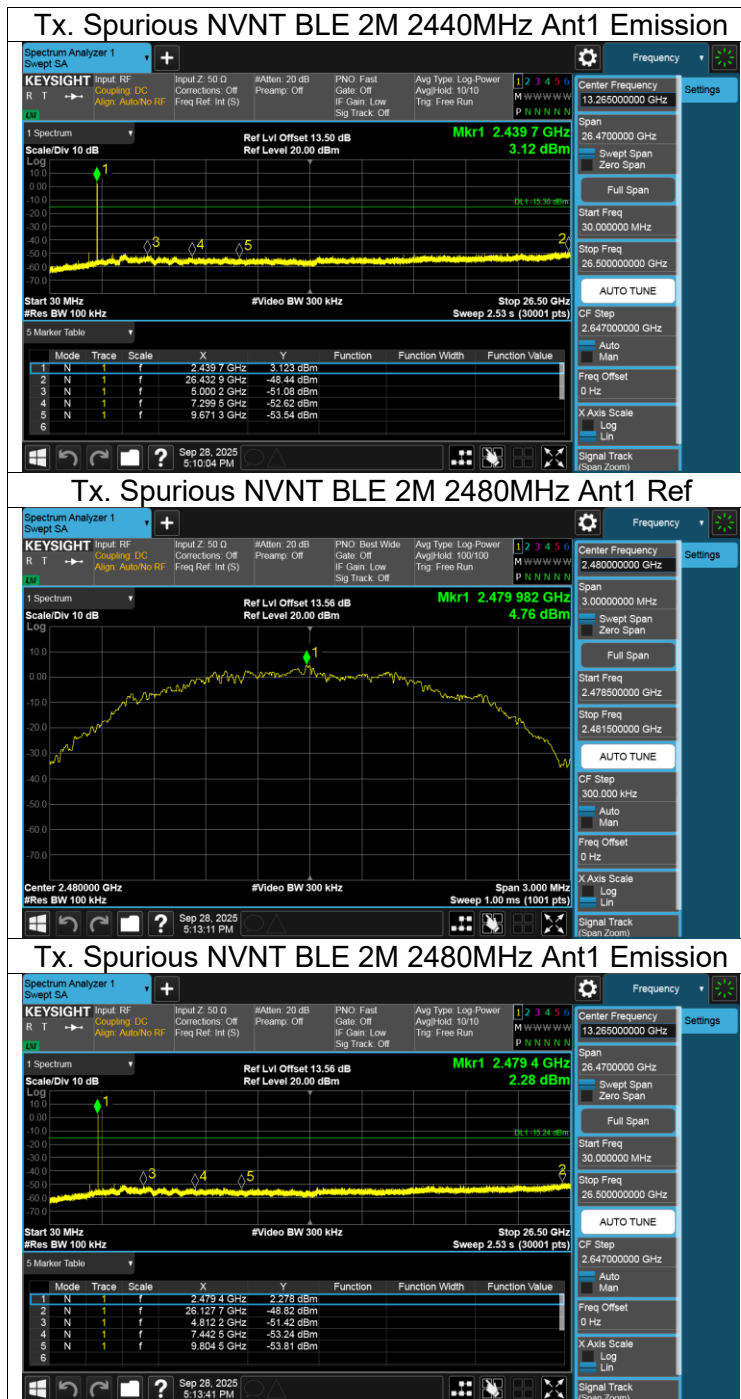








12. TEST DATA – ANT2

Appendix A2: Duty Cycle

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
BLE 1M	0.390	0.625	0.6240	62.40	2.05	2.56	3
BLE 2M	0.194	0.625	0.3104	31.04	5.08	5.15	6

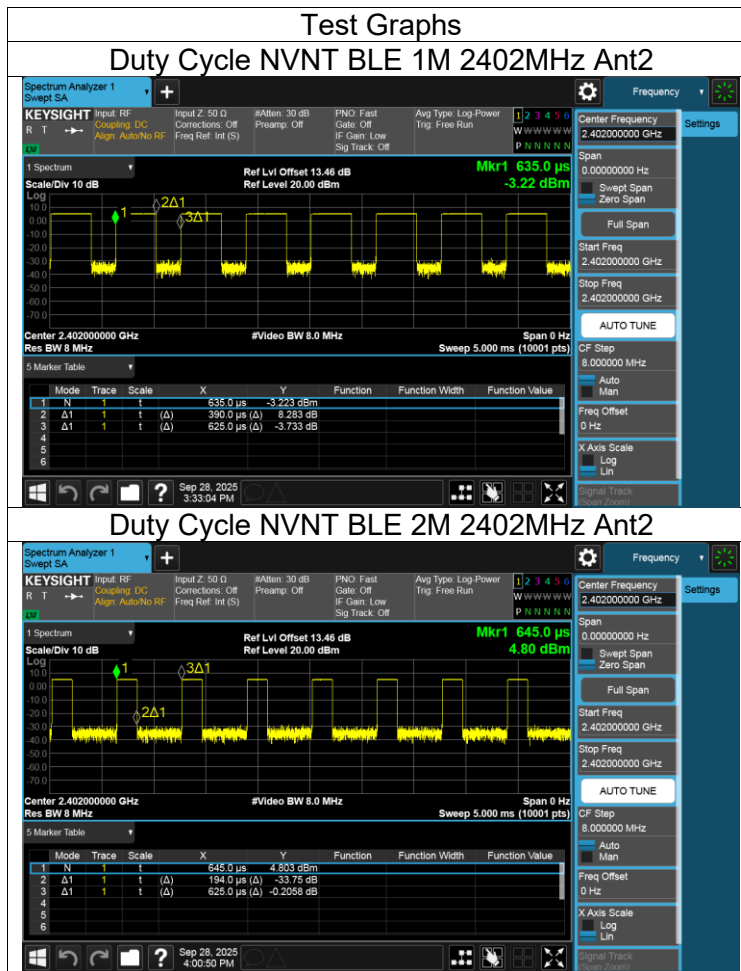
Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



Appendix B2: Maximum Conducted Output Power

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	Ant2	5.27	30	Pass
BLE 1M	2440	Ant2	5.79	30	Pass
BLE 1M	2480	Ant2	6.20	30	Pass
BLE 2M	2402	Ant2	5.25	30	Pass
BLE 2M	2440	Ant2	5.82	30	Pass
BLE 2M	2480	Ant2	6.27	30	Pass

Appendix C2: 6dB Bandwidth

Mode	Frequency (MHz)	Antenna	6dB Bandwidth (MHz)	Limit 6dB Bandwidth (MHz)	Verdict
BLE 1M	2402	Ant2	0.697	≥ 0.5	Pass
BLE 1M	2440	Ant2	0.694	≥ 0.5	Pass
BLE 1M	2480	Ant2	0.703	≥ 0.5	Pass
BLE 2M	2402	Ant2	1.195	≥ 0.5	Pass
BLE 2M	2440	Ant2	1.295	≥ 0.5	Pass
BLE 2M	2480	Ant2	1.186	≥ 0.5	Pass

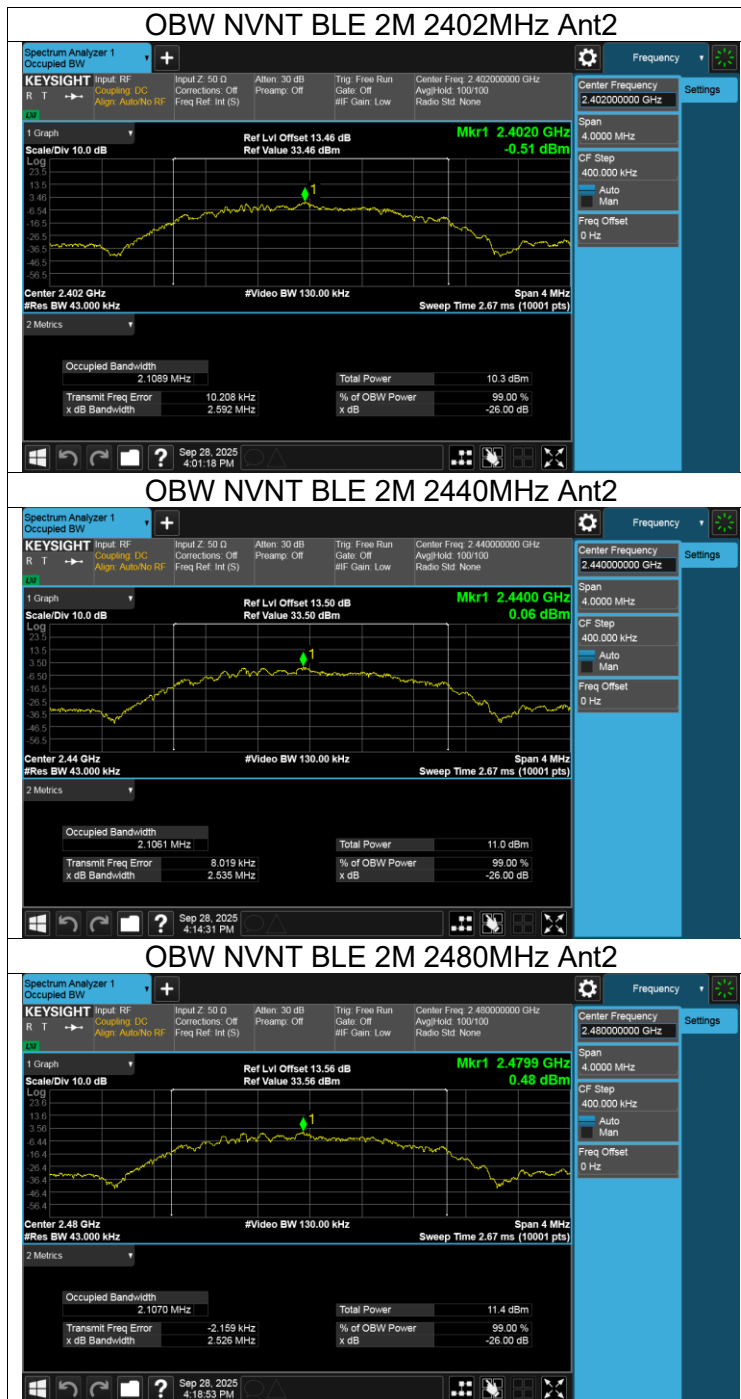




Appendix D2: Occupied Channel Bandwidth

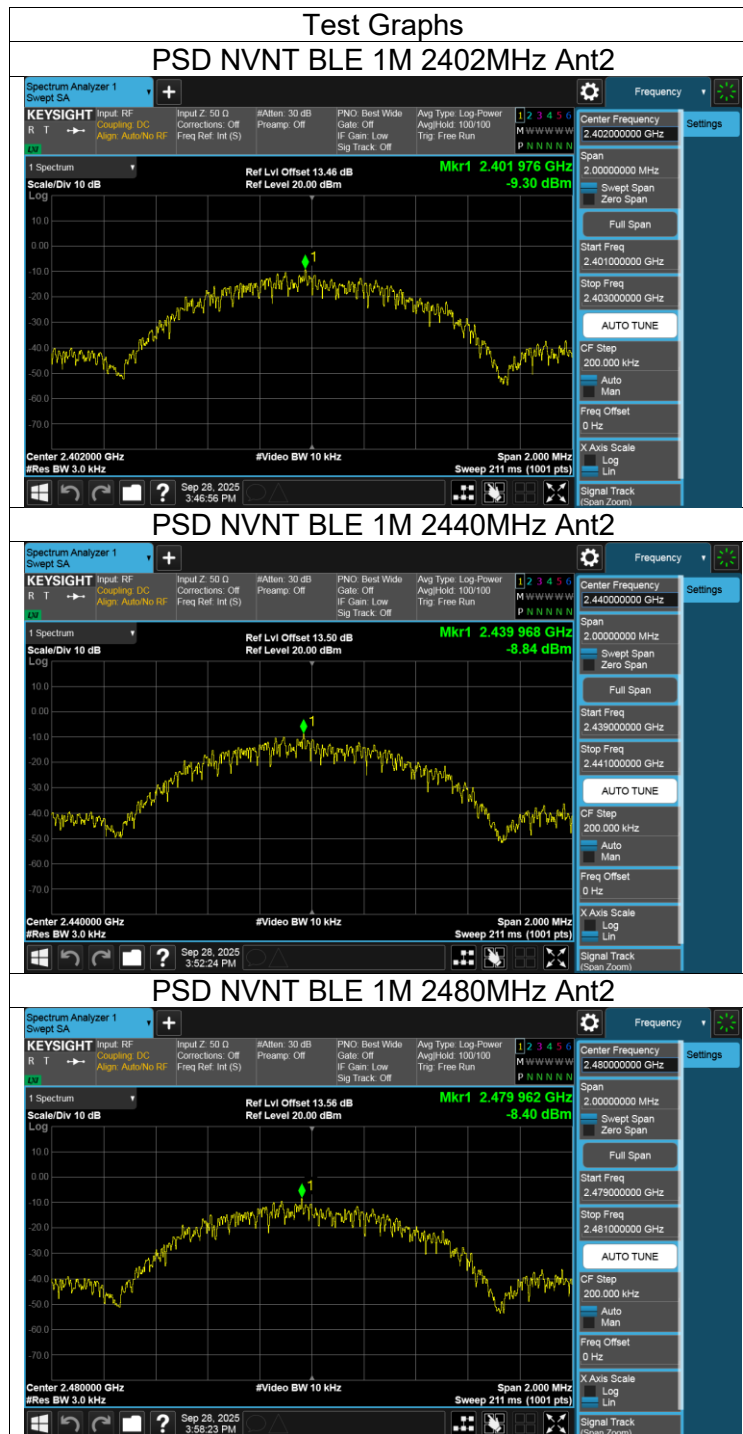
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
BLE 1M	2402	Ant2	1.052
BLE 1M	2440	Ant2	1.06
BLE 1M	2480	Ant2	1.053
BLE 2M	2402	Ant2	2.109
BLE 2M	2440	Ant2	2.106
BLE 2M	2480	Ant2	2.107

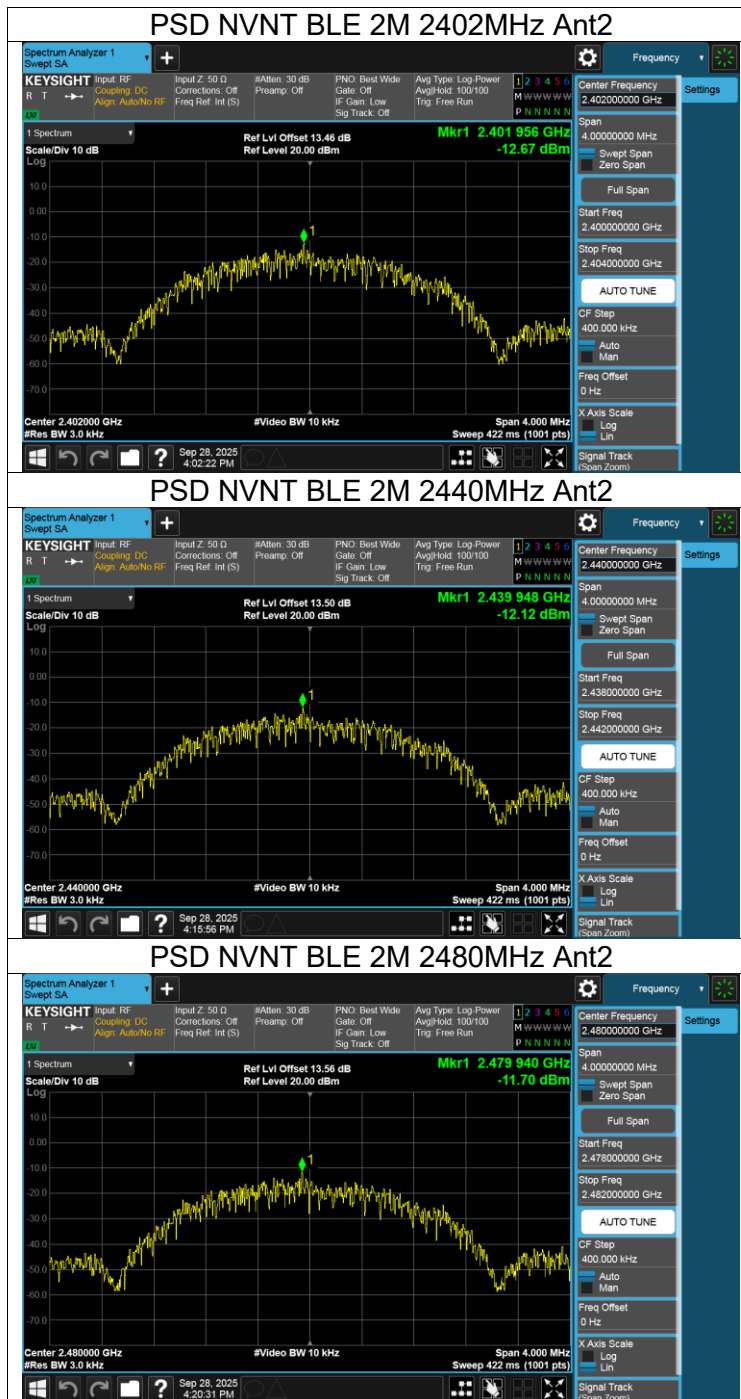




Appendix E2: Maximum Power Spectral Density Level

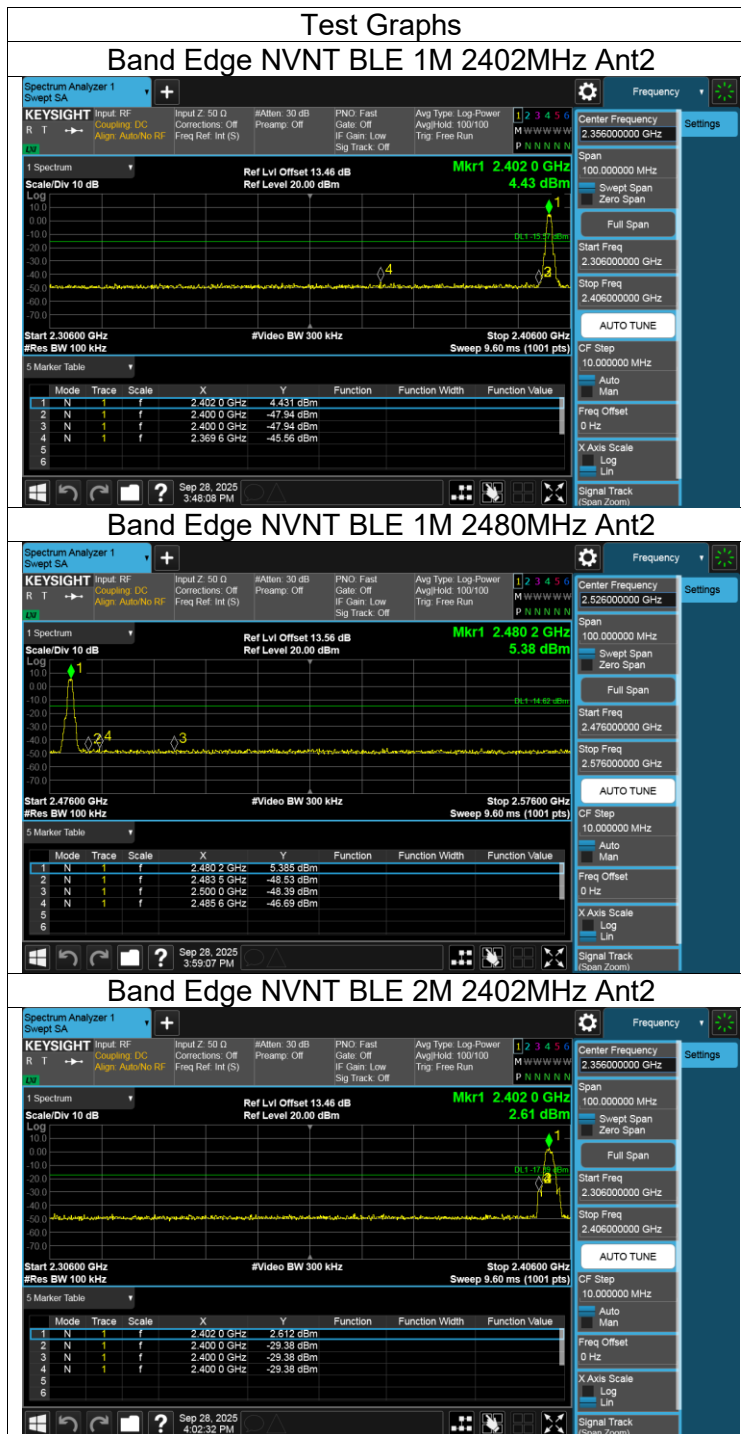
Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	Ant2	-9.3	8	Pass
BLE 1M	2440	Ant2	-8.84	8	Pass
BLE 1M	2480	Ant2	-8.4	8	Pass
BLE 2M	2402	Ant2	-12.67	8	Pass
BLE 2M	2440	Ant2	-12.12	8	Pass
BLE 2M	2480	Ant2	-11.7	8	Pass

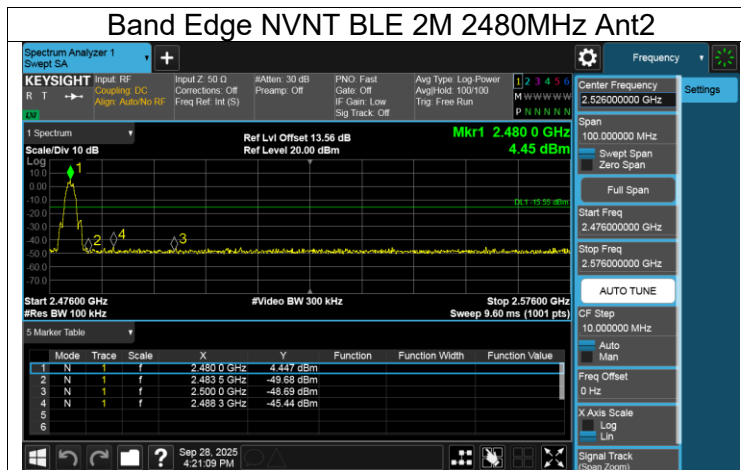




Appendix F2: Band Edge

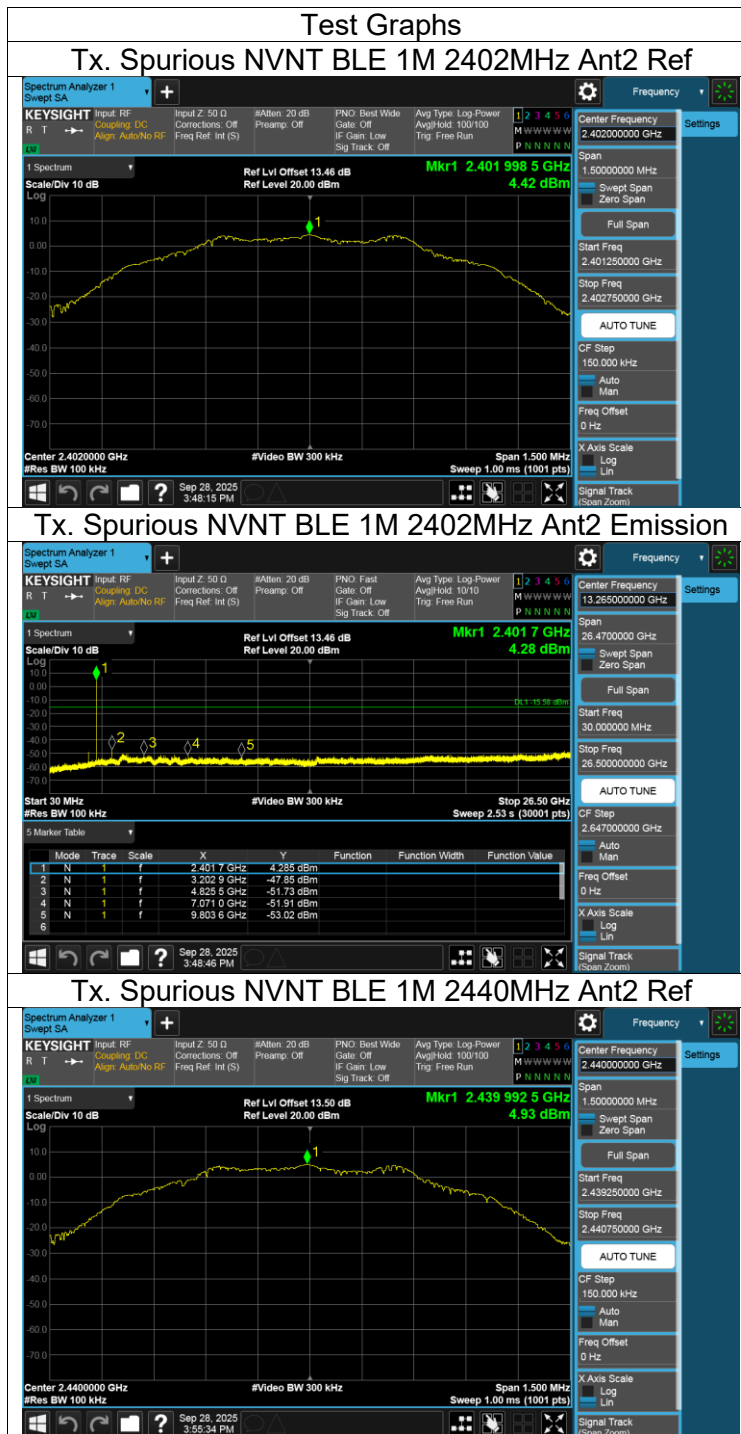
Mode	Frequency (MHz)	Antenna	Verdict
BLE 1M	2402	Ant2	Pass
BLE 1M	2480	Ant2	Pass
BLE 2M	2402	Ant2	Pass
BLE 2M	2480	Ant2	Pass



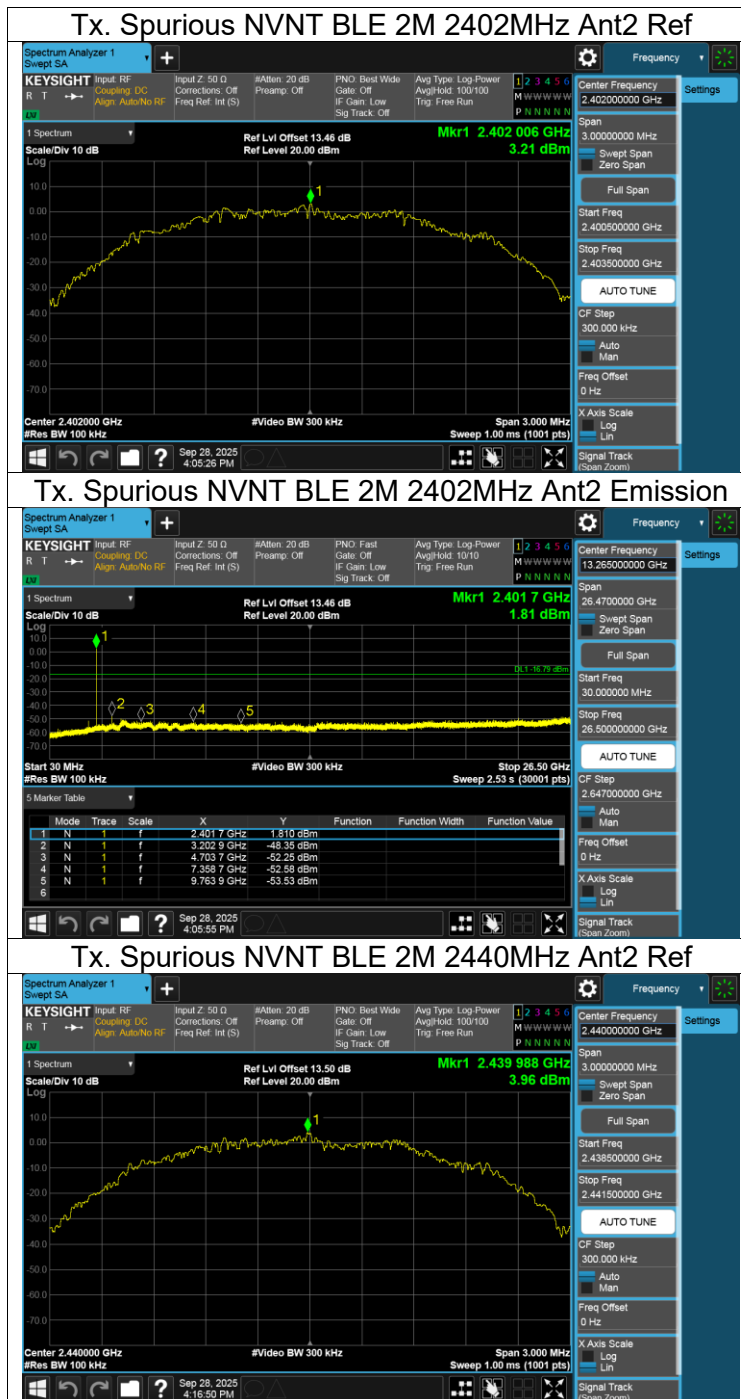


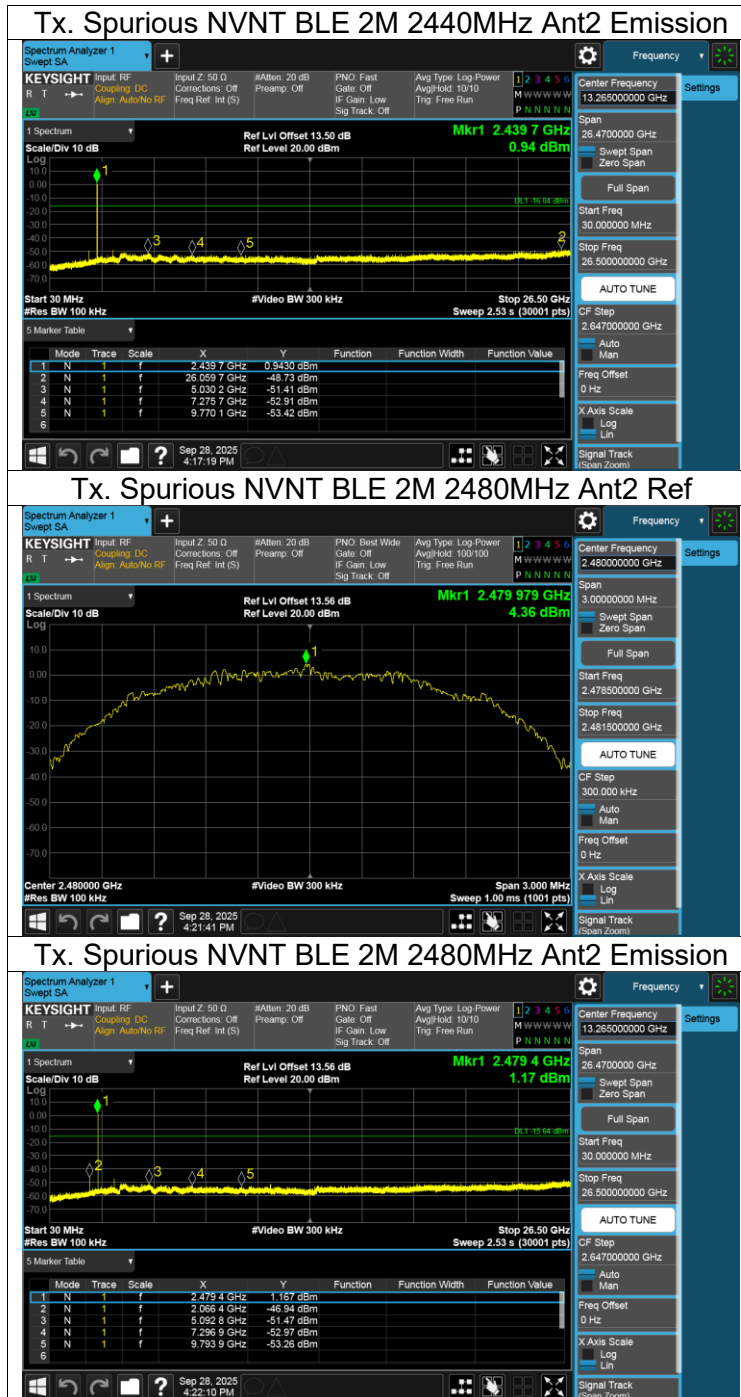
Appendix G2: Conducted RF Spurious Emission

Mode	Frequency (MHz)	Antenna	Verdict
BLE 1M	2402	Ant2	Pass
BLE 1M	2440	Ant2	Pass
BLE 1M	2480	Ant2	Pass
BLE 2M	2402	Ant2	Pass
BLE 2M	2440	Ant2	Pass
BLE 2M	2480	Ant2	Pass









END OF REPORT