

Appendix:Bluetooth LE

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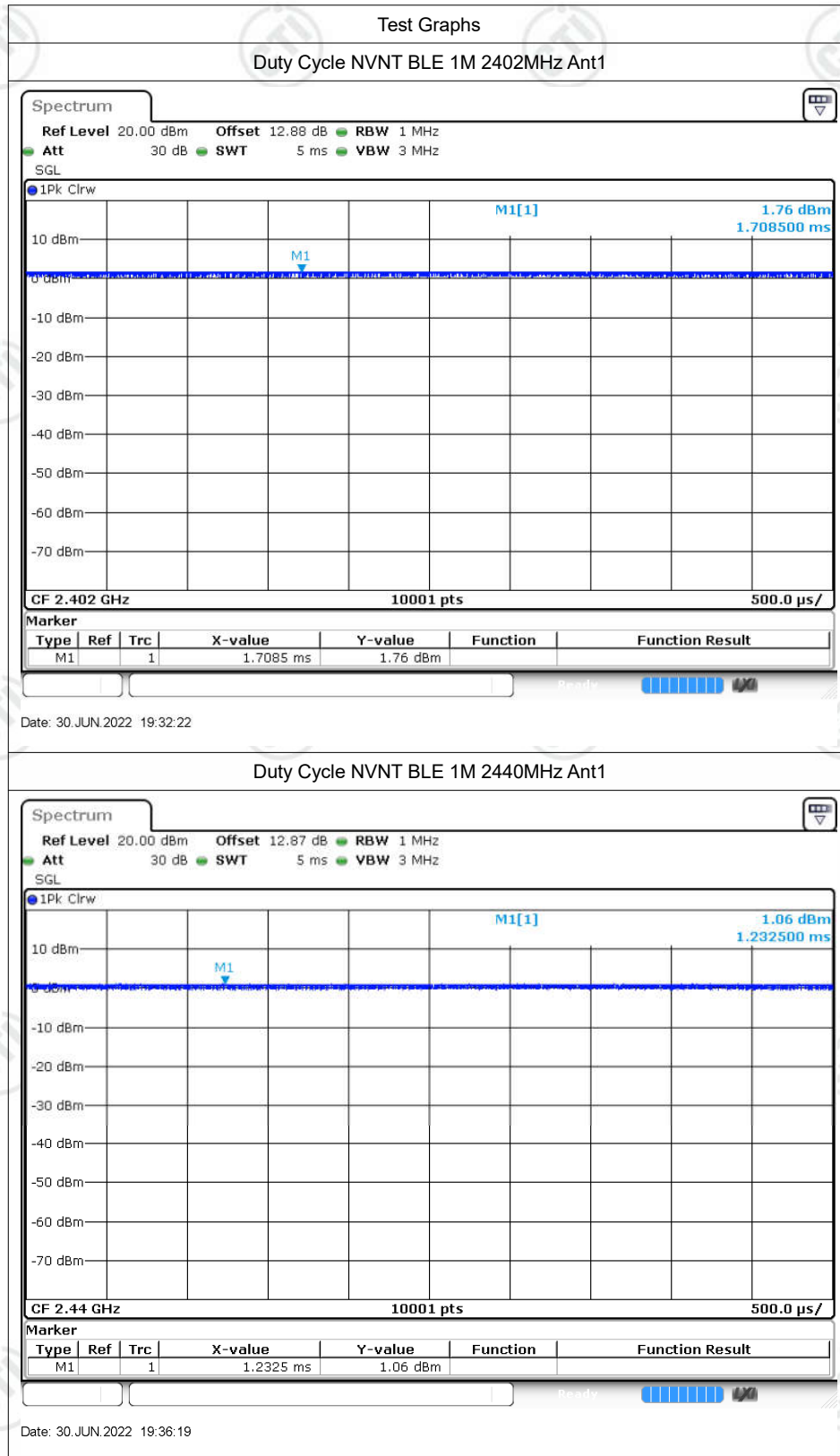
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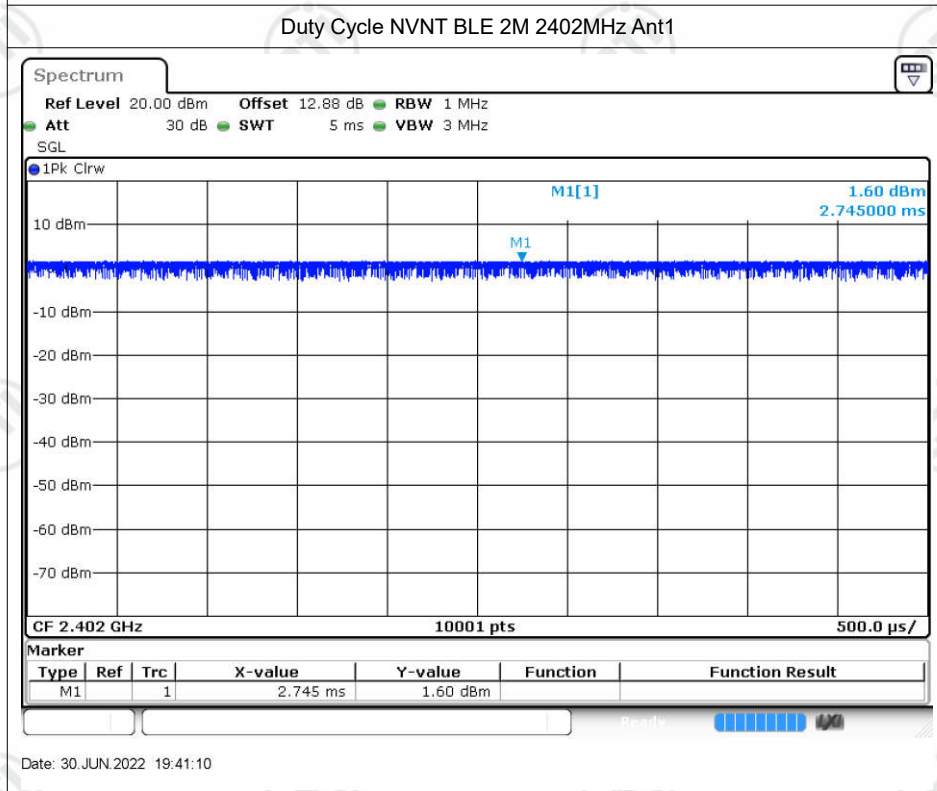
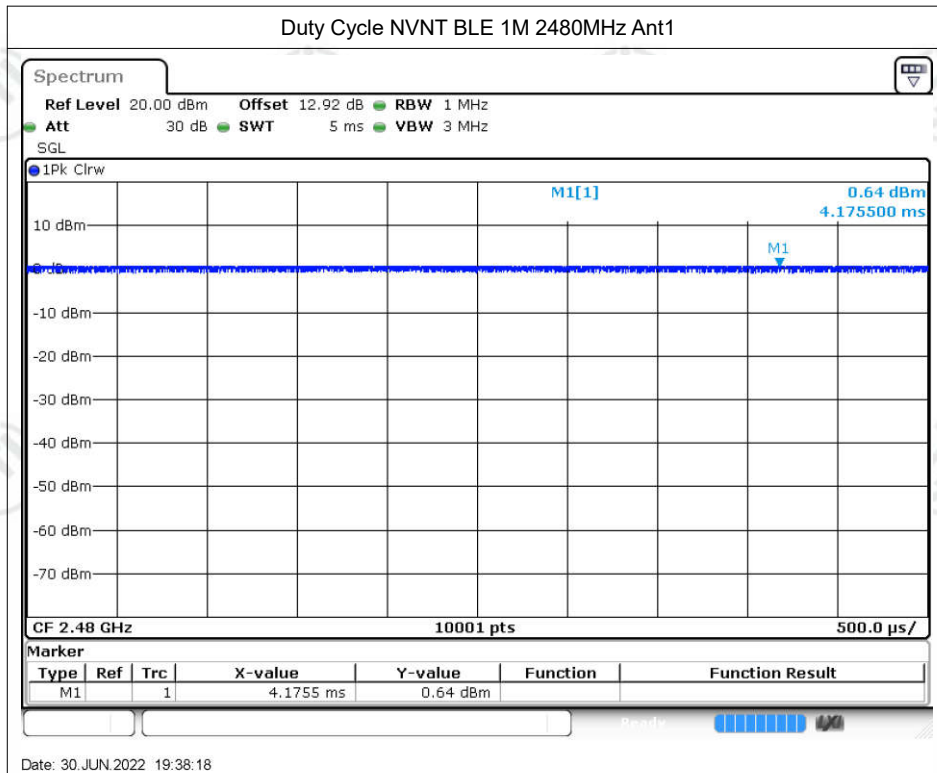
1.Duty Cycle

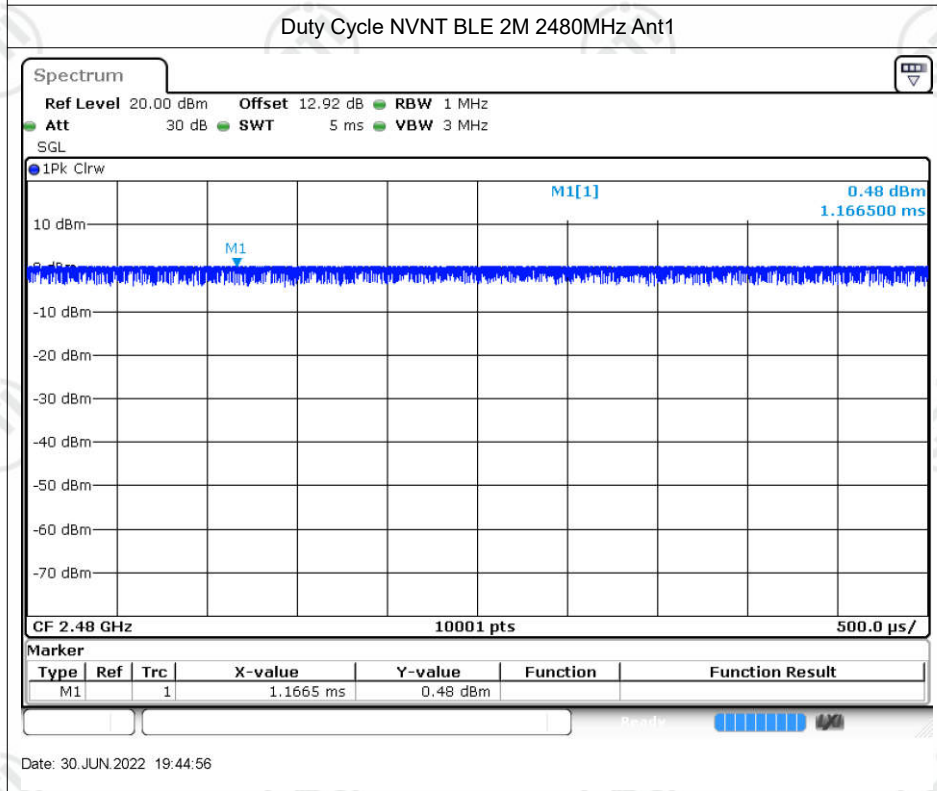
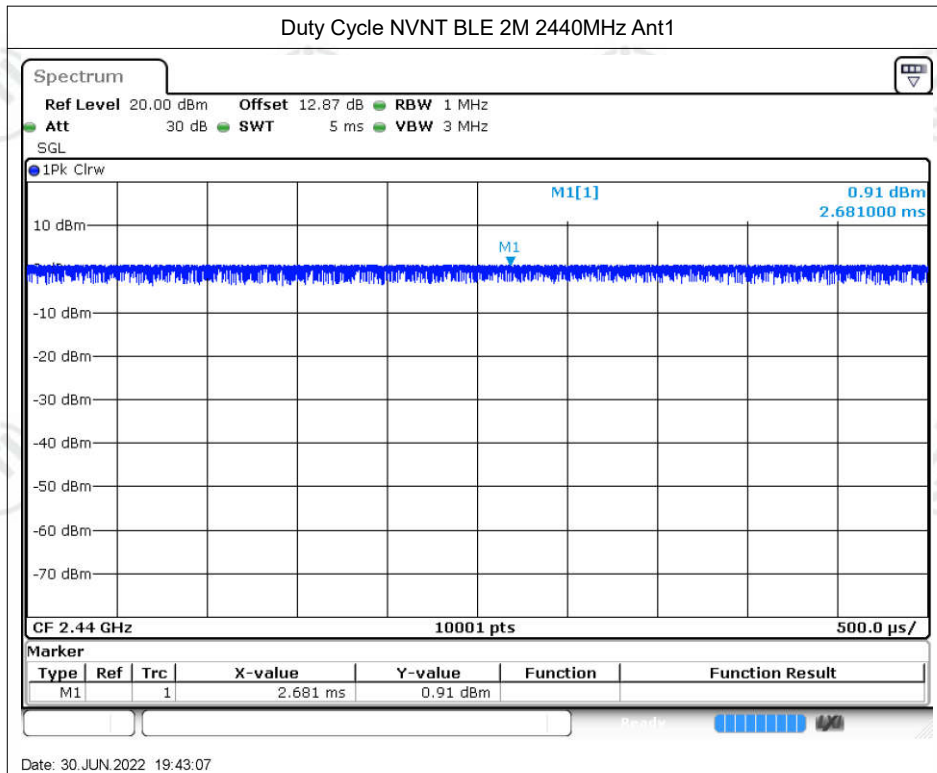
Test data:

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0
NVNT	BLE 2M	2402	Ant1	100	0	0
NVNT	BLE 2M	2440	Ant1	100	0	0
NVNT	BLE 2M	2480	Ant1	100	0	0

Test graphs:





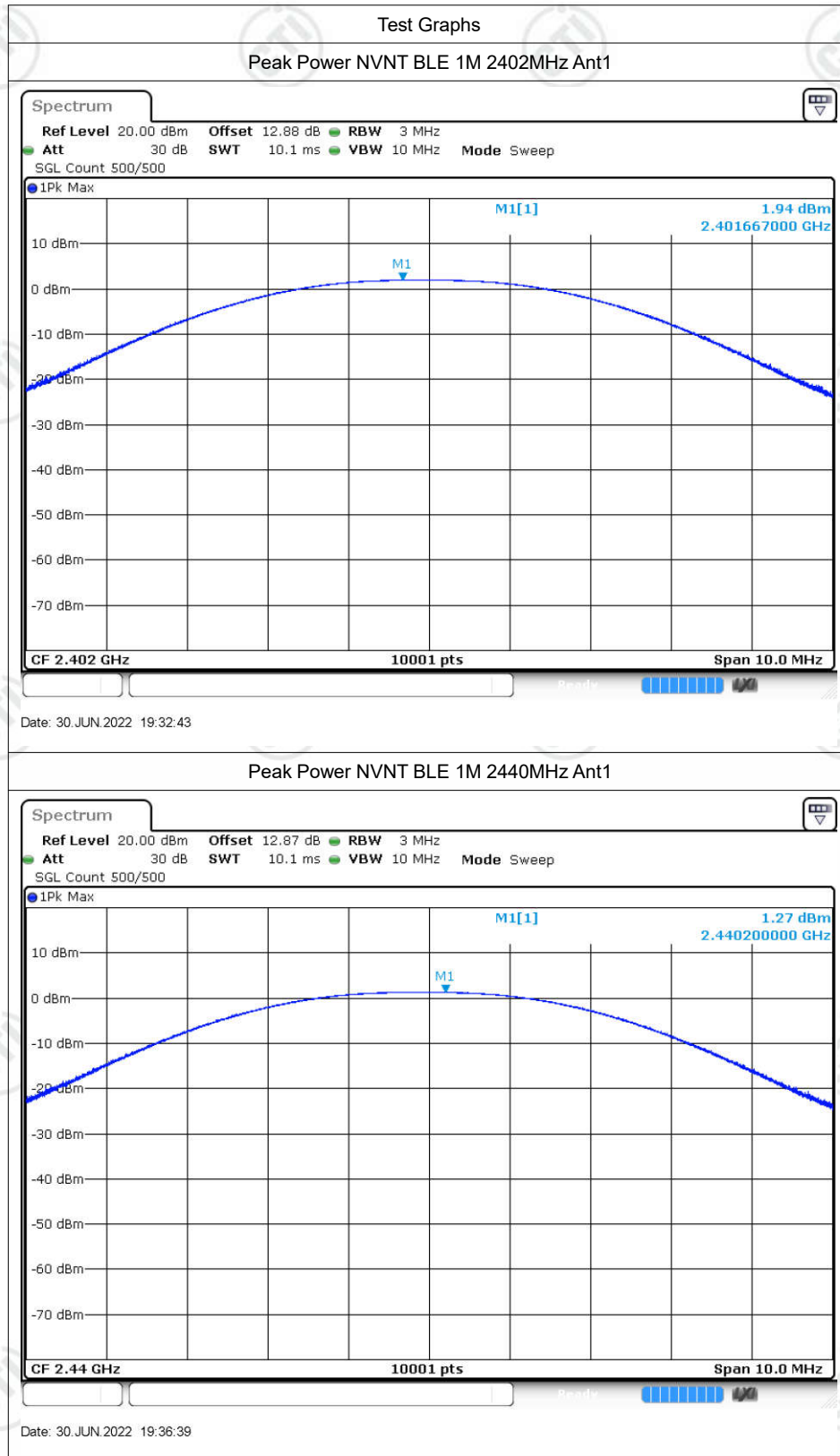


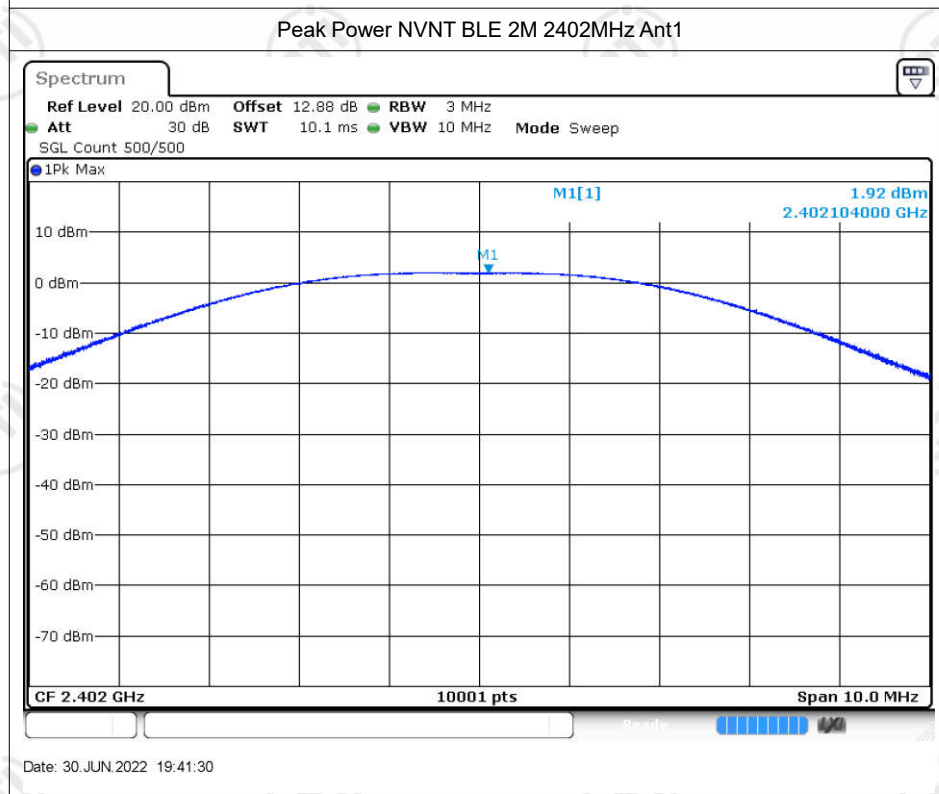
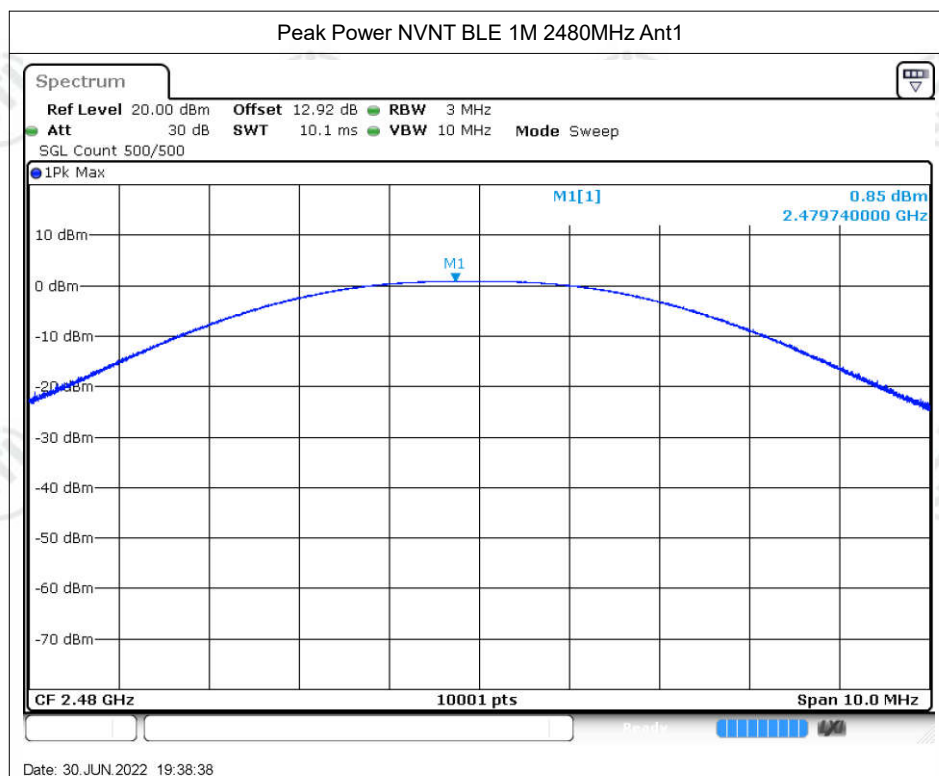
2.Maximum Peak Conducted Output Power

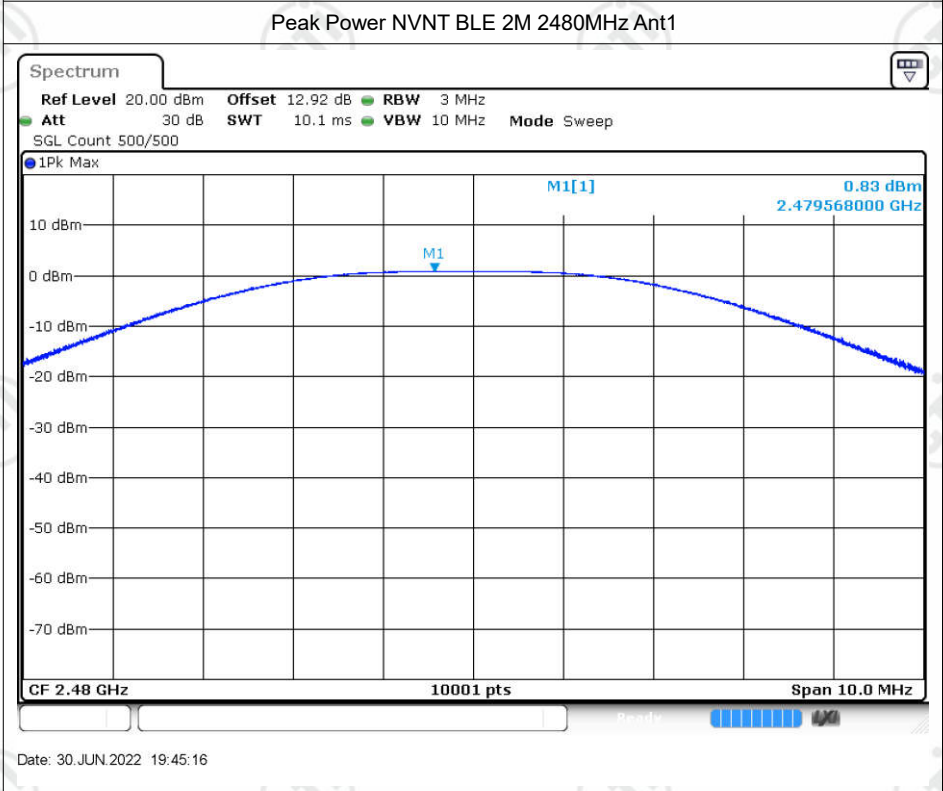
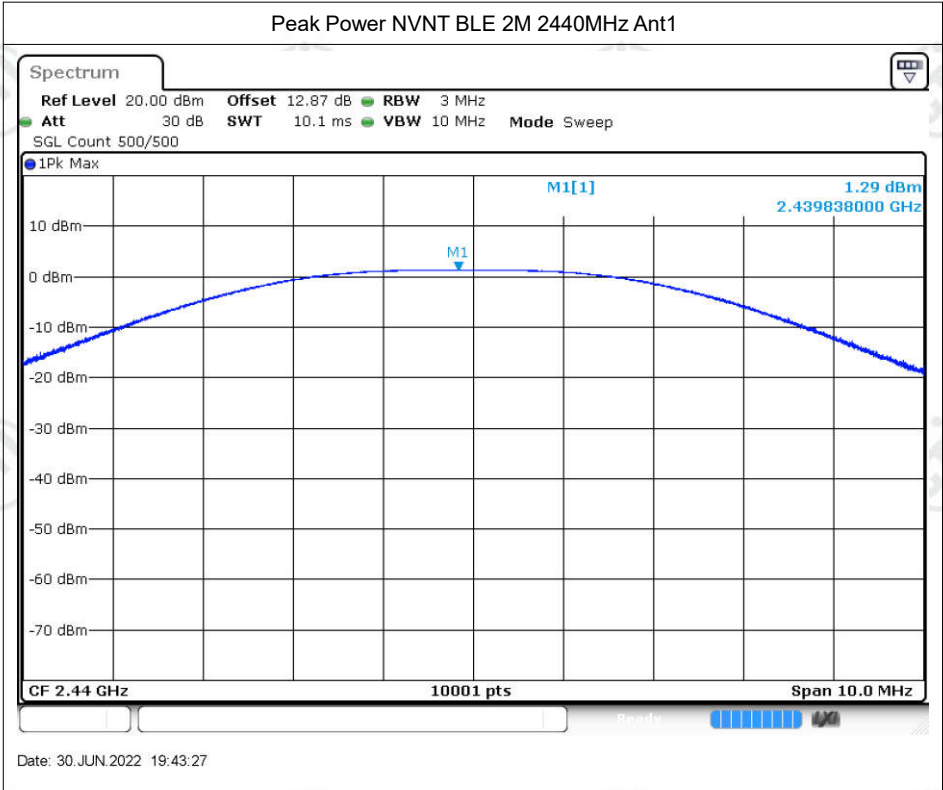
Test data:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.94	0	1.94	30	Pass
NVNT	BLE 1M	2440	Ant1	1.27	0	1.27	30	Pass
NVNT	BLE 1M	2480	Ant1	0.85	0	0.85	30	Pass
NVNT	BLE 2M	2402	Ant1	1.92	0	1.92	30	Pass
NVNT	BLE 2M	2440	Ant1	1.29	0	1.29	30	Pass
NVNT	BLE 2M	2480	Ant1	0.83	0	0.83	30	Pass

Test graphs:





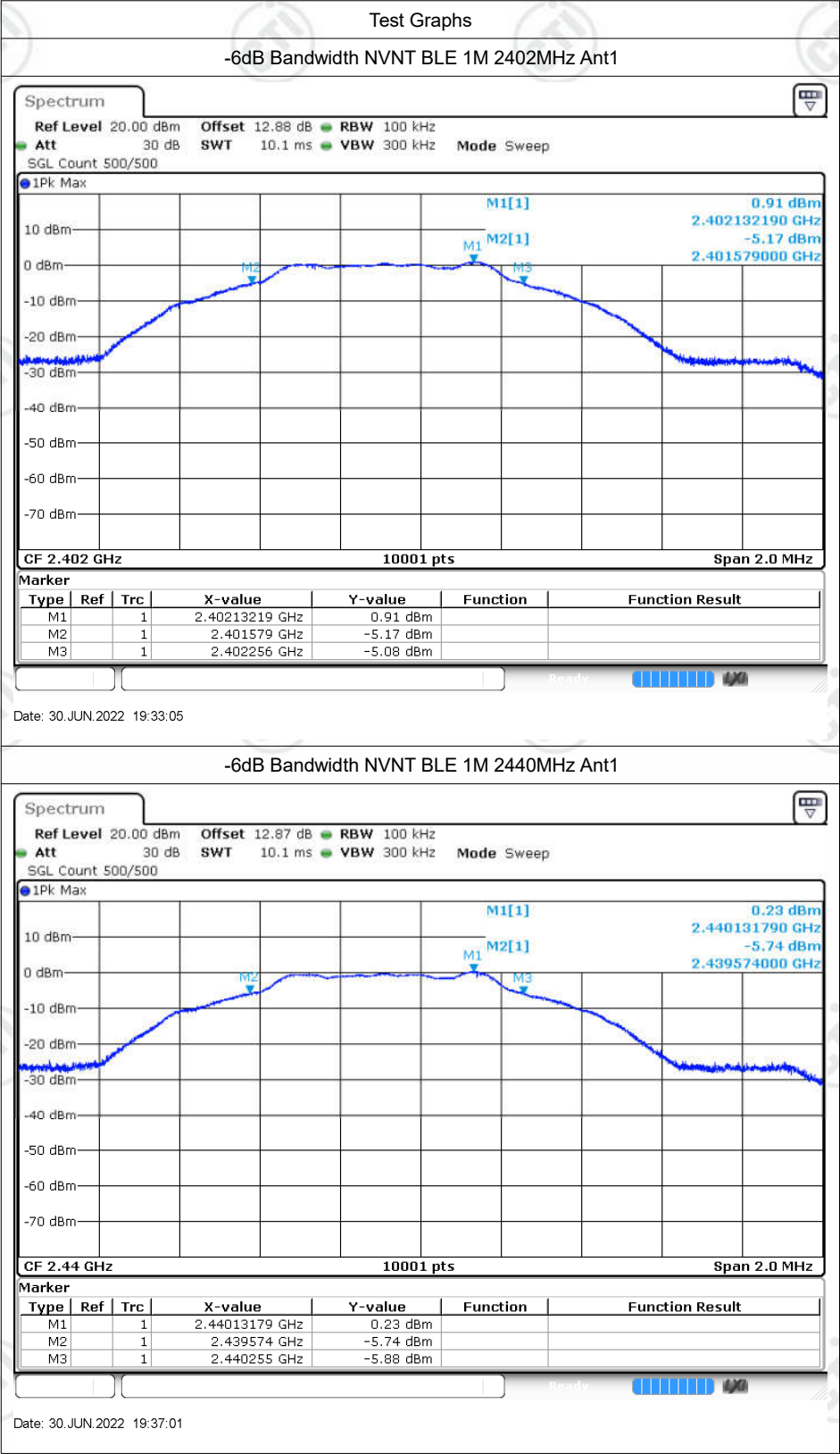


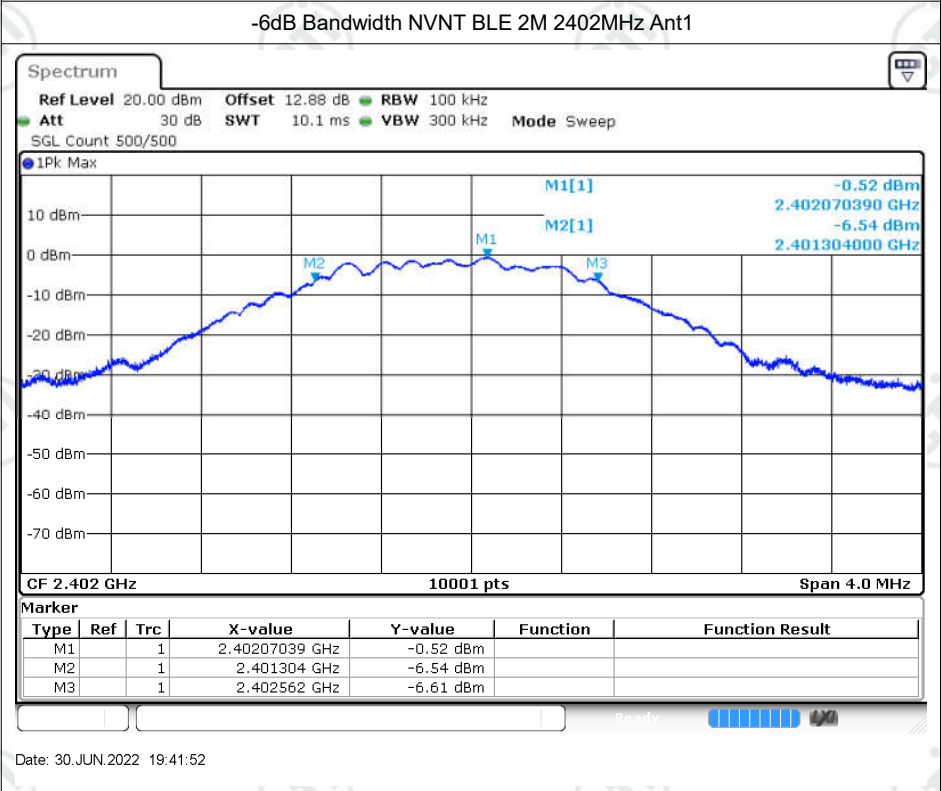
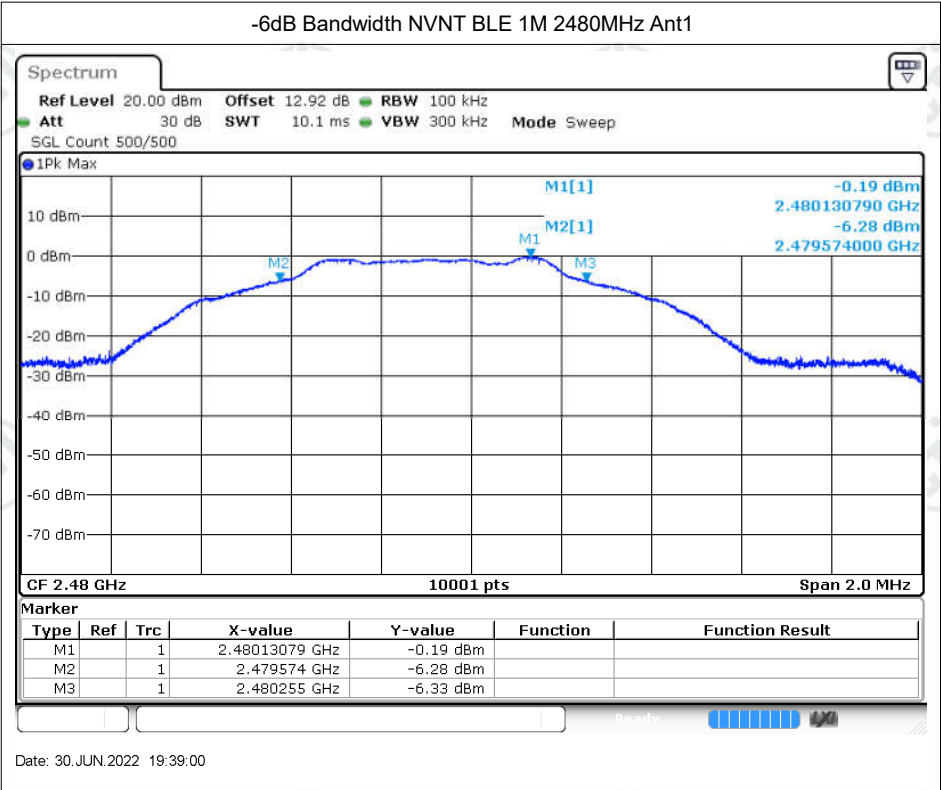
3.-6dB Bandwidth

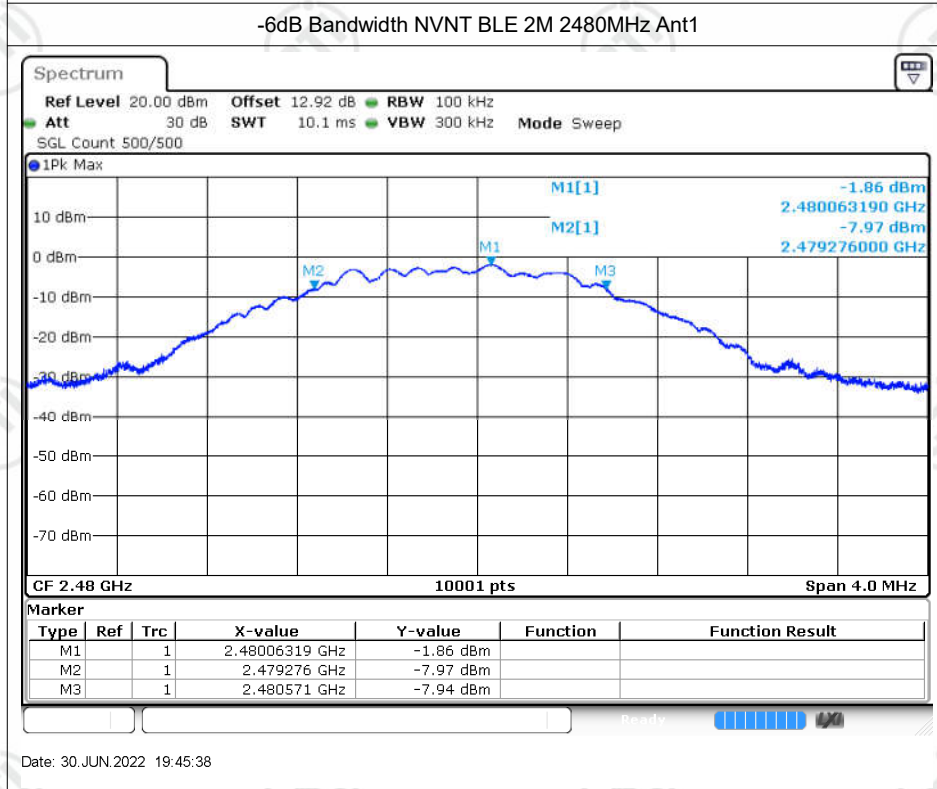
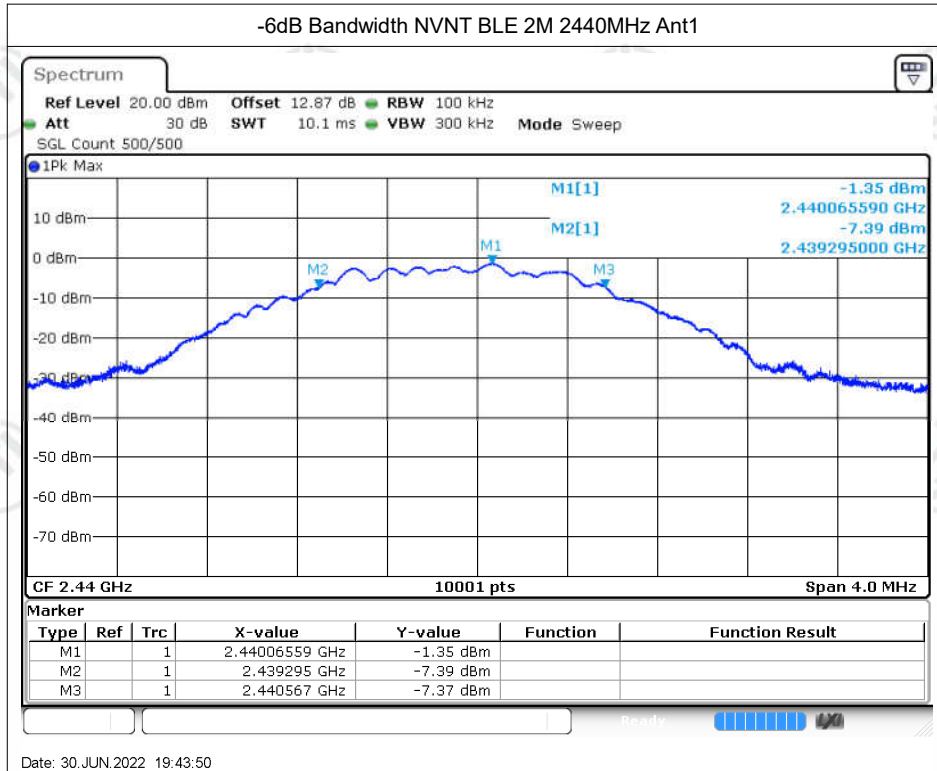
Test data:

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.677	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.681	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.681	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.257	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.272	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.294	0.5	Pass

Test graphs:





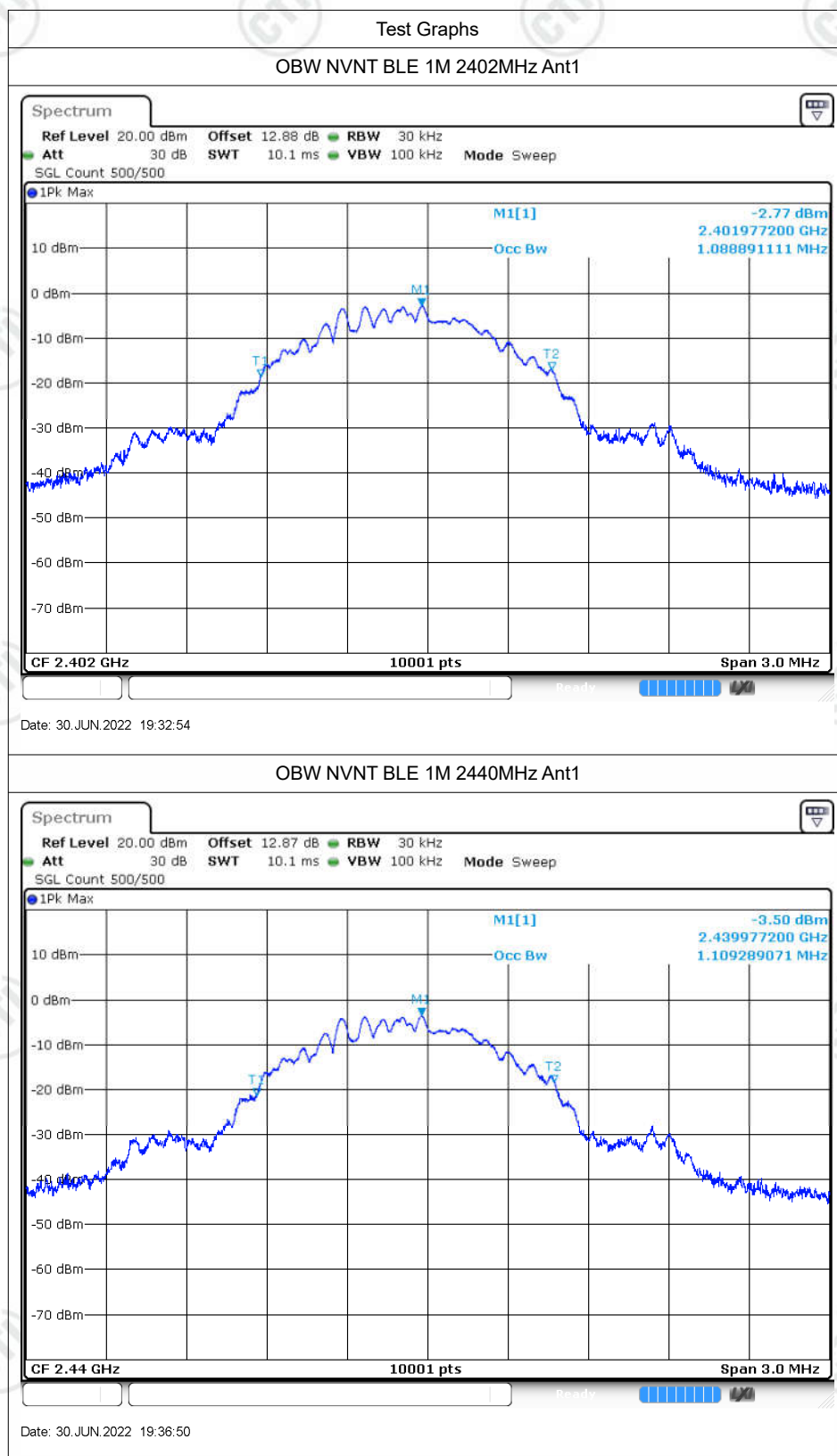


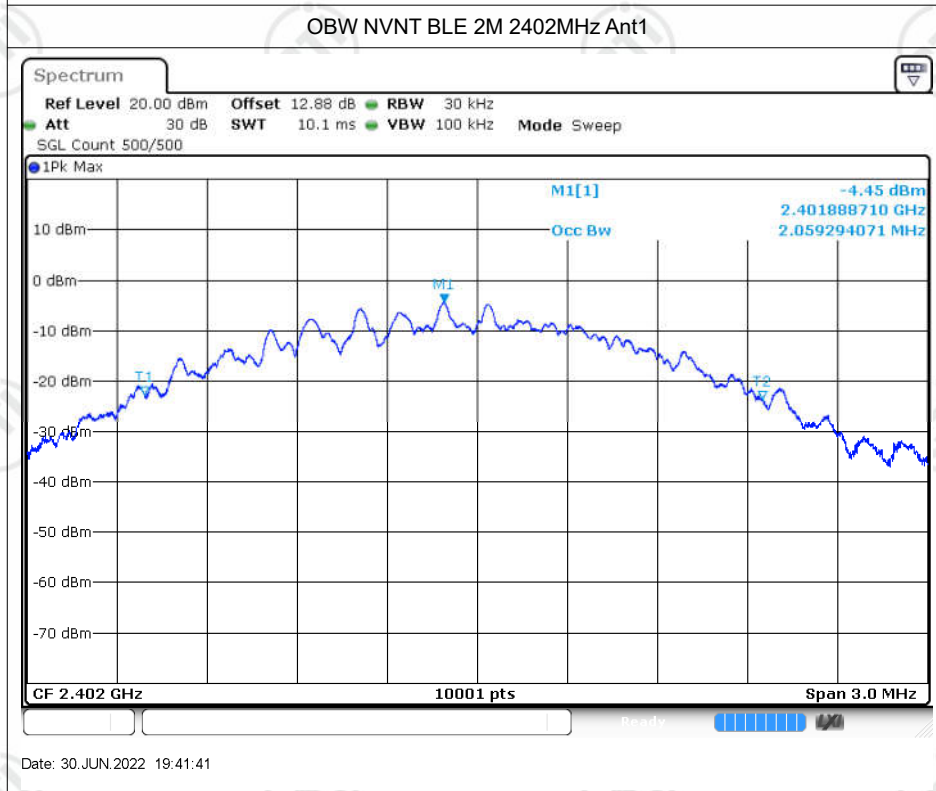
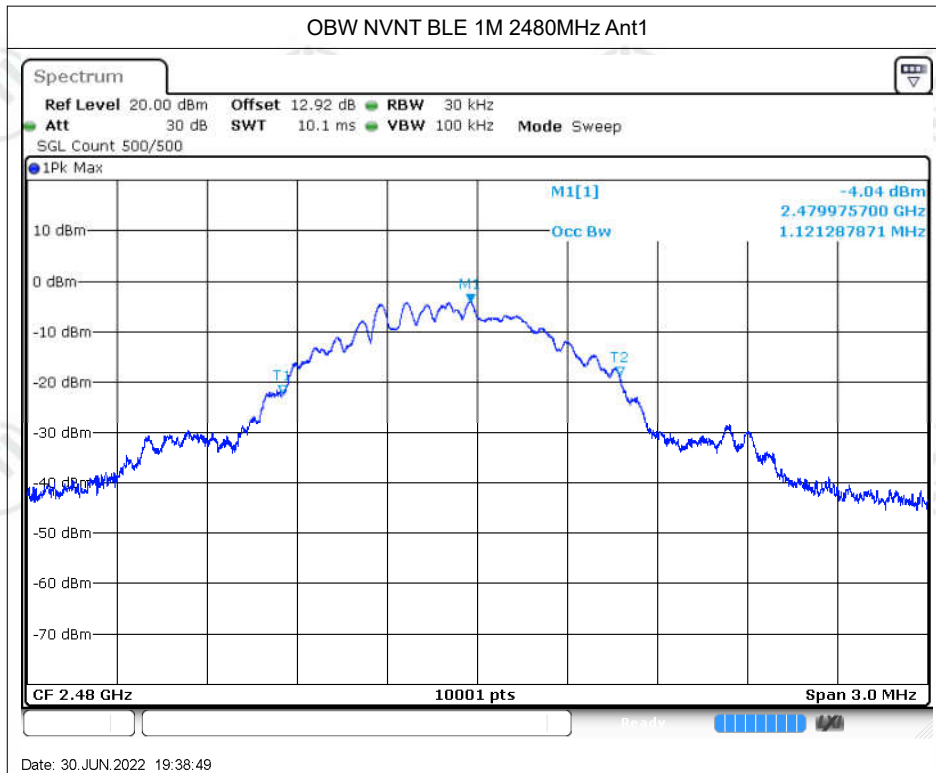
4.Occupied Channel Bandwidth

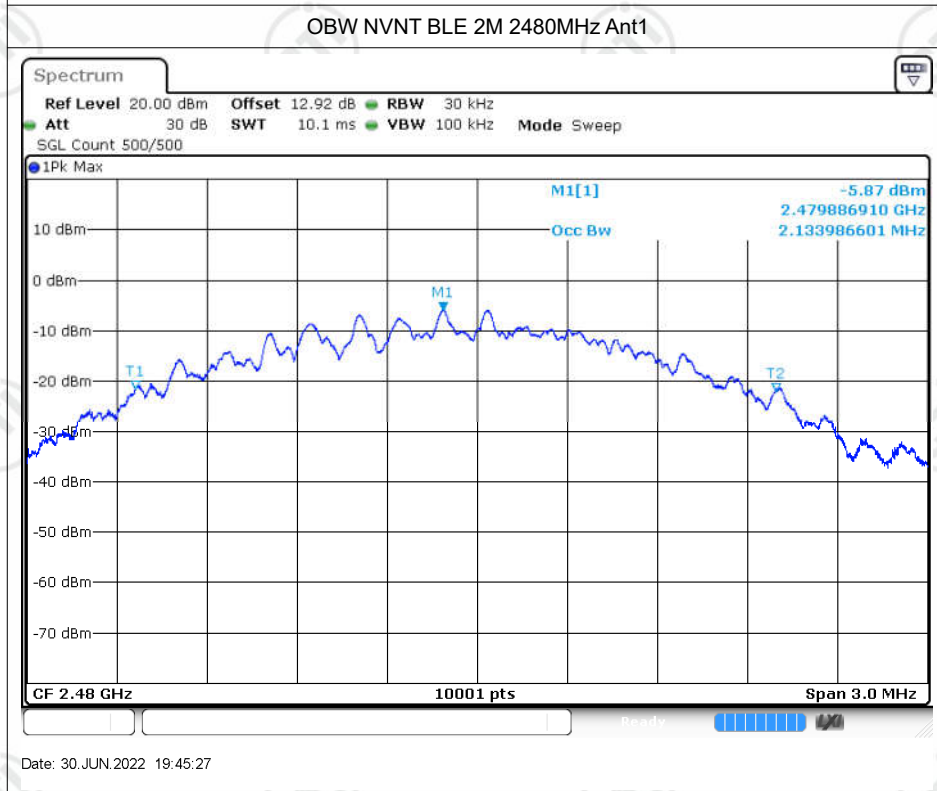
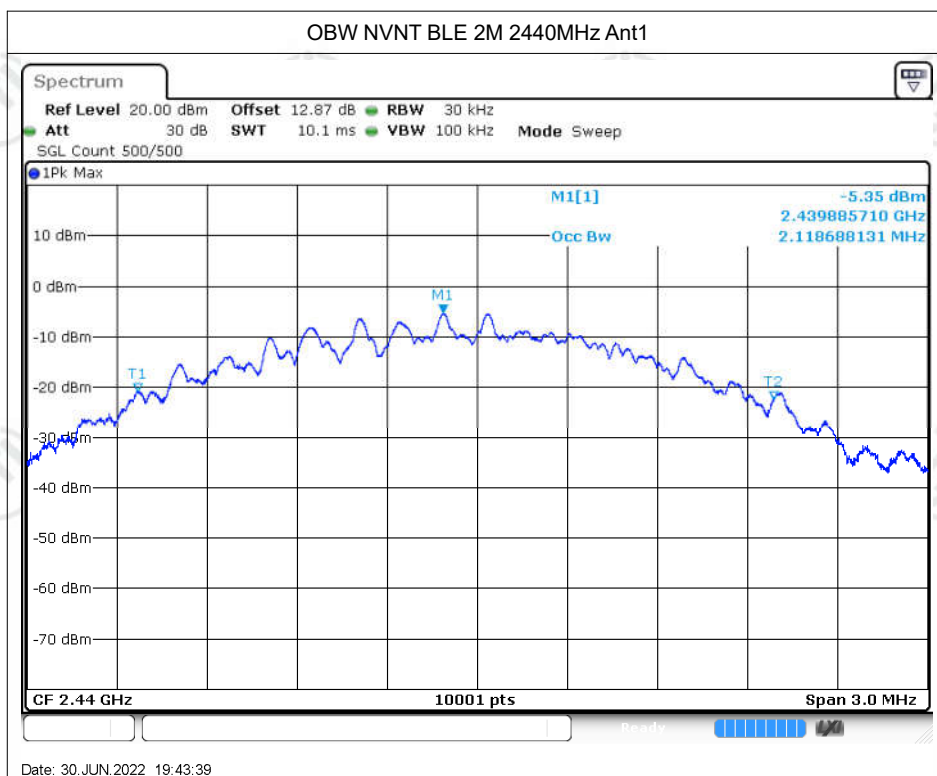
Test data:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.089
NVNT	BLE 1M	2440	Ant1	1.109
NVNT	BLE 1M	2480	Ant1	1.121
NVNT	BLE 2M	2402	Ant1	2.059
NVNT	BLE 2M	2440	Ant1	2.119
NVNT	BLE 2M	2480	Ant1	2.134

Test graphs:





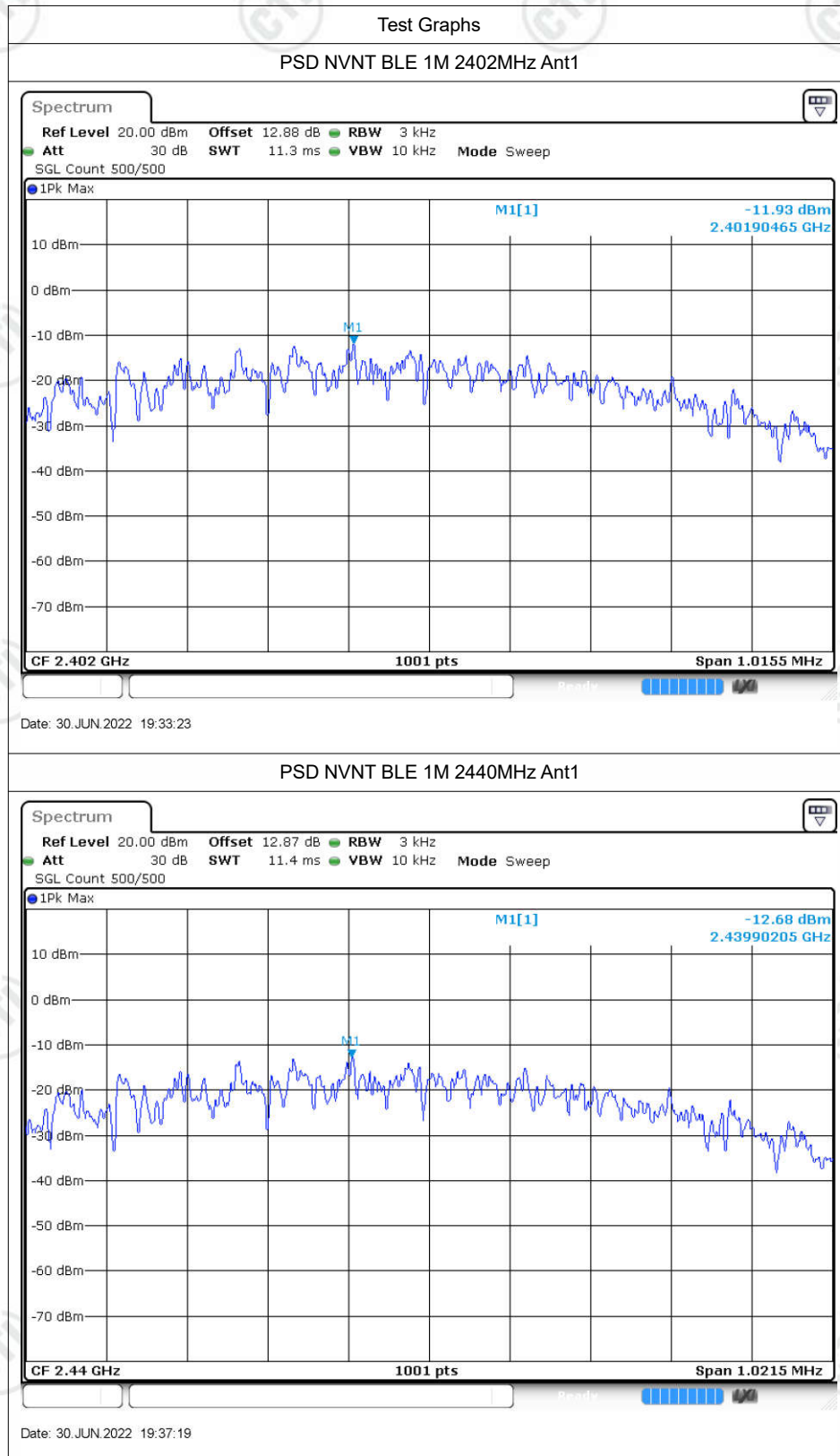


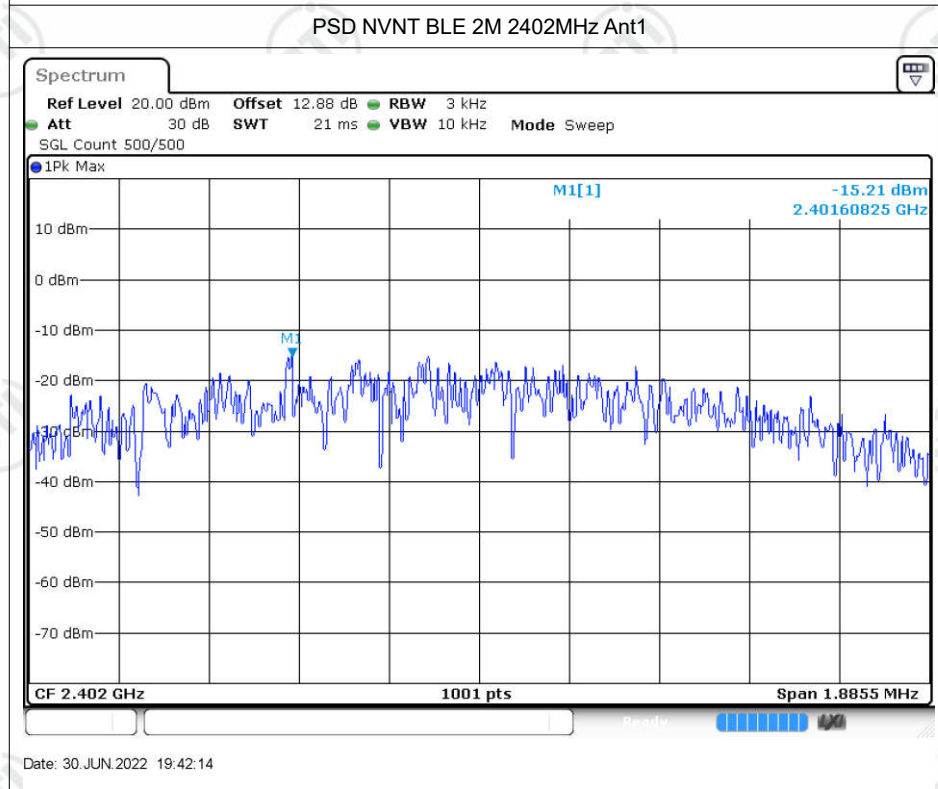
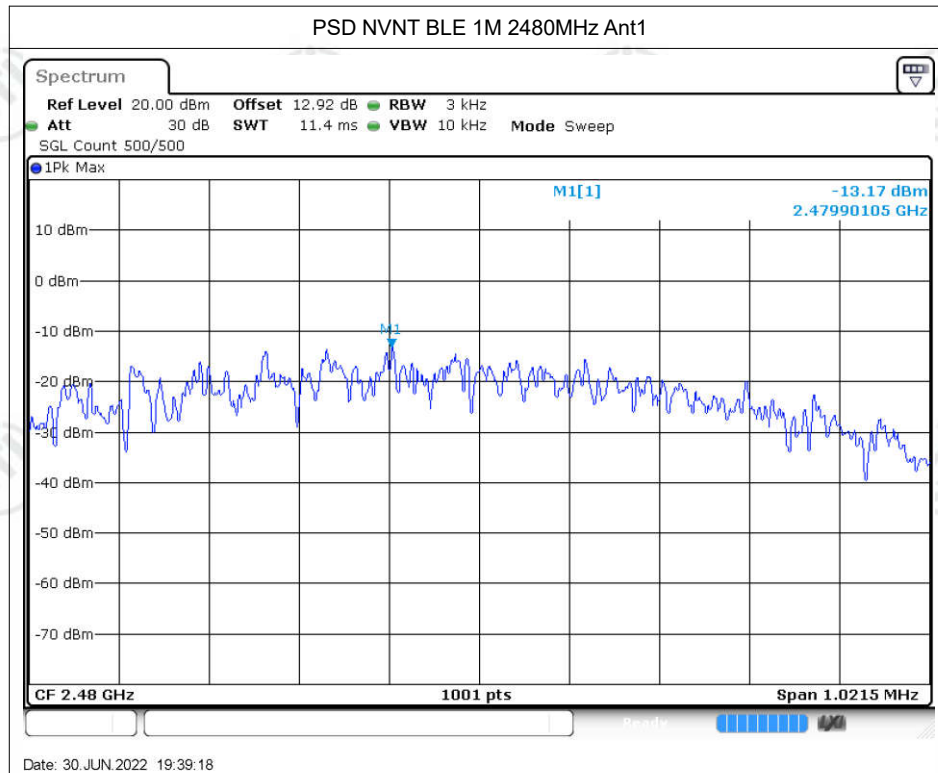
5.Maximum Power Spectral Density Level

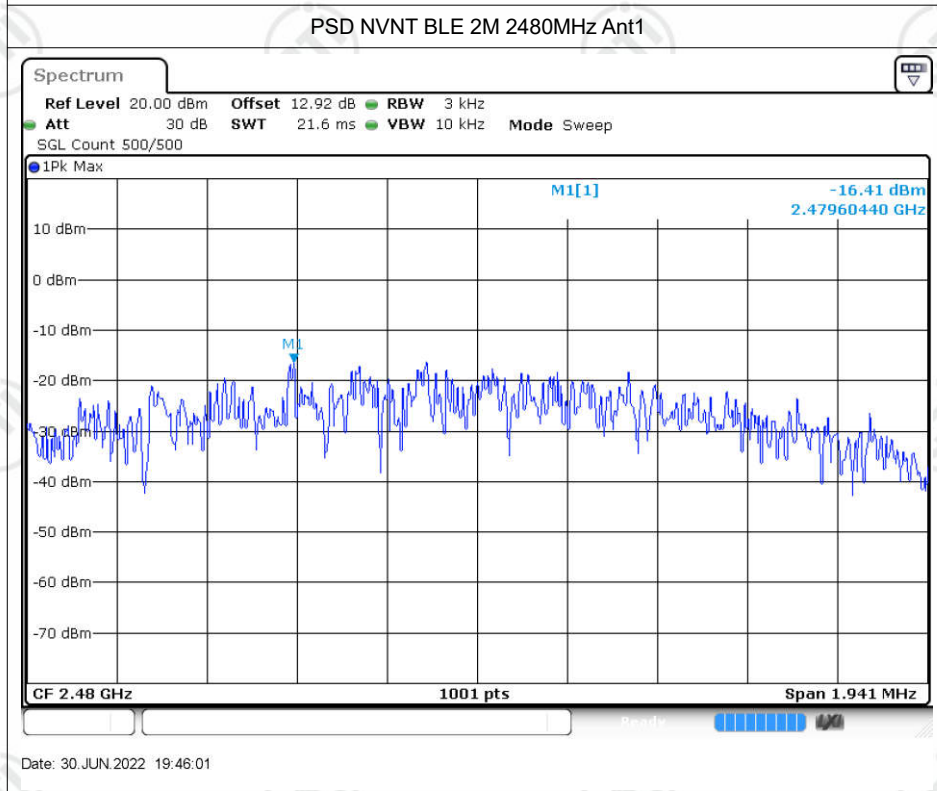
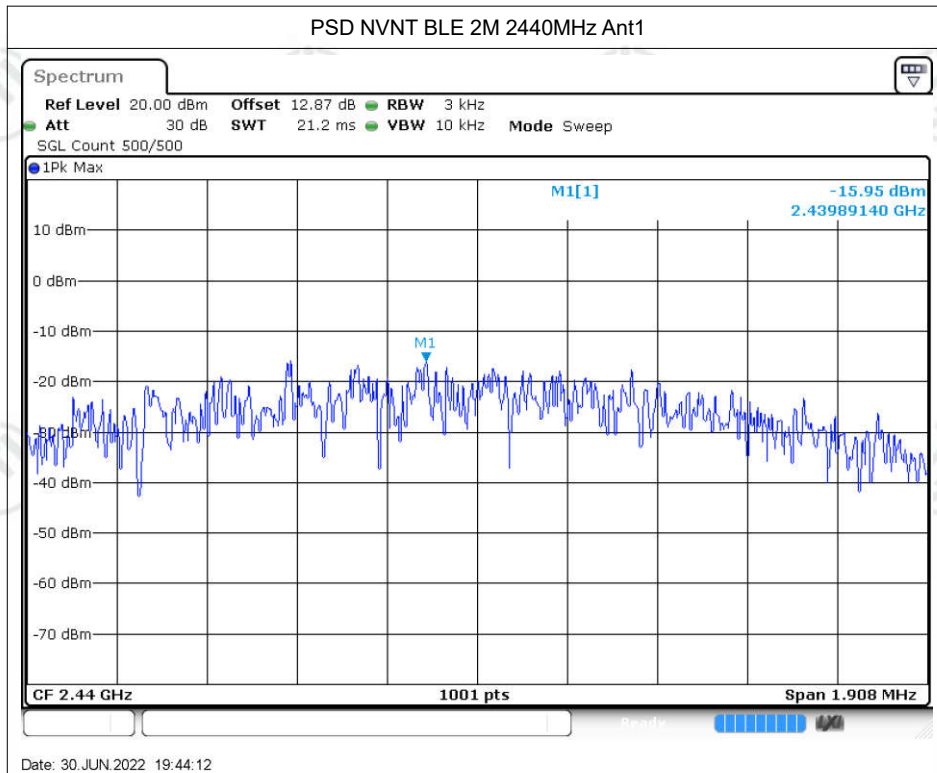
Test data:

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-11.93	0	-11.93	8	Pass
NVNT	BLE 1M	2440	Ant1	-12.68	0	-12.68	8	Pass
NVNT	BLE 1M	2480	Ant1	-13.17	0	-13.17	8	Pass
NVNT	BLE 2M	2402	Ant1	-15.21	0	-15.21	8	Pass
NVNT	BLE 2M	2440	Ant1	-15.95	0	-15.95	8	Pass
NVNT	BLE 2M	2480	Ant1	-16.41	0	-16.41	8	Pass

Test graphs:





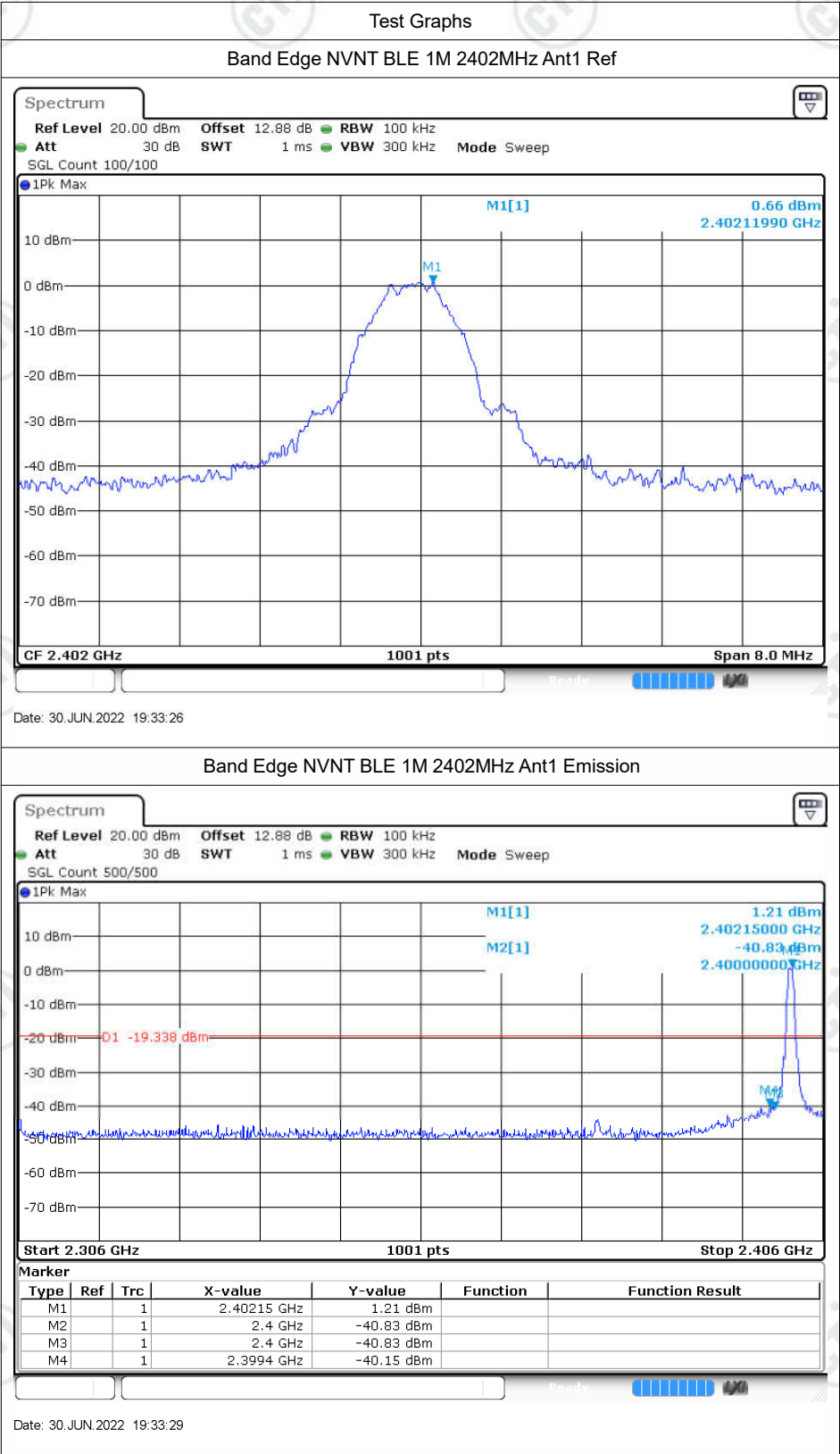


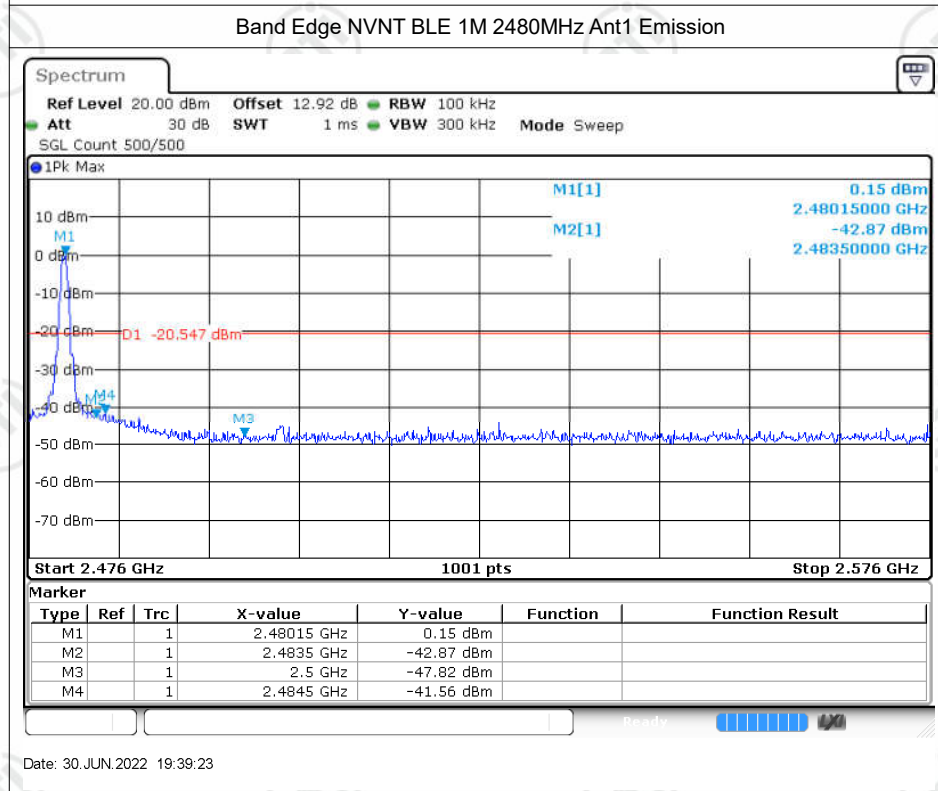
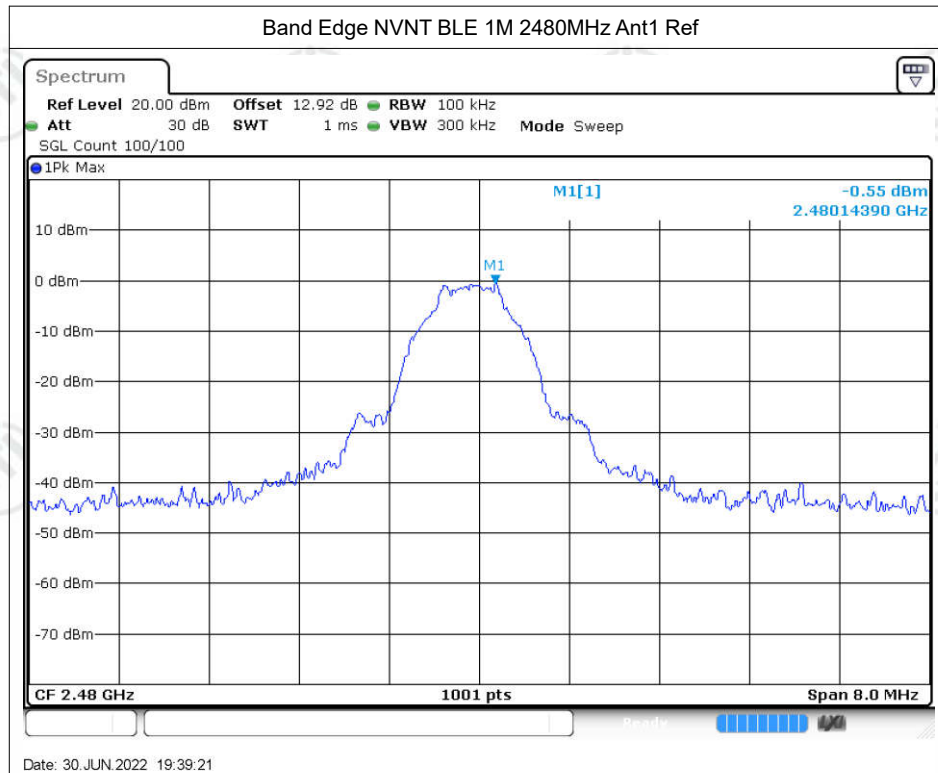
6.Band Edge

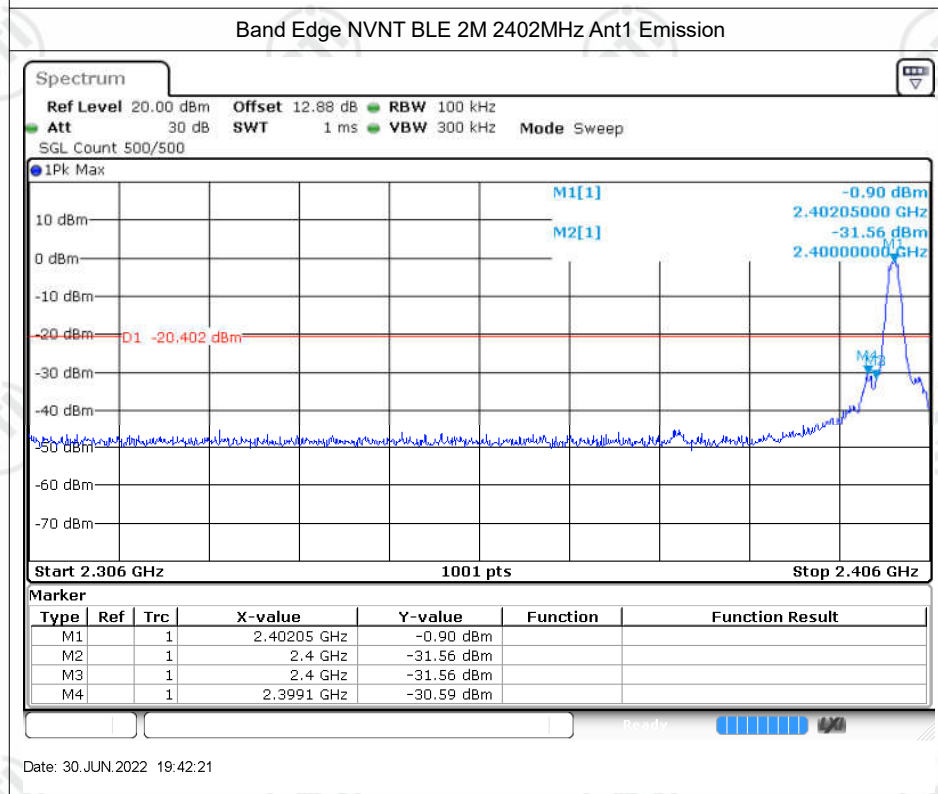
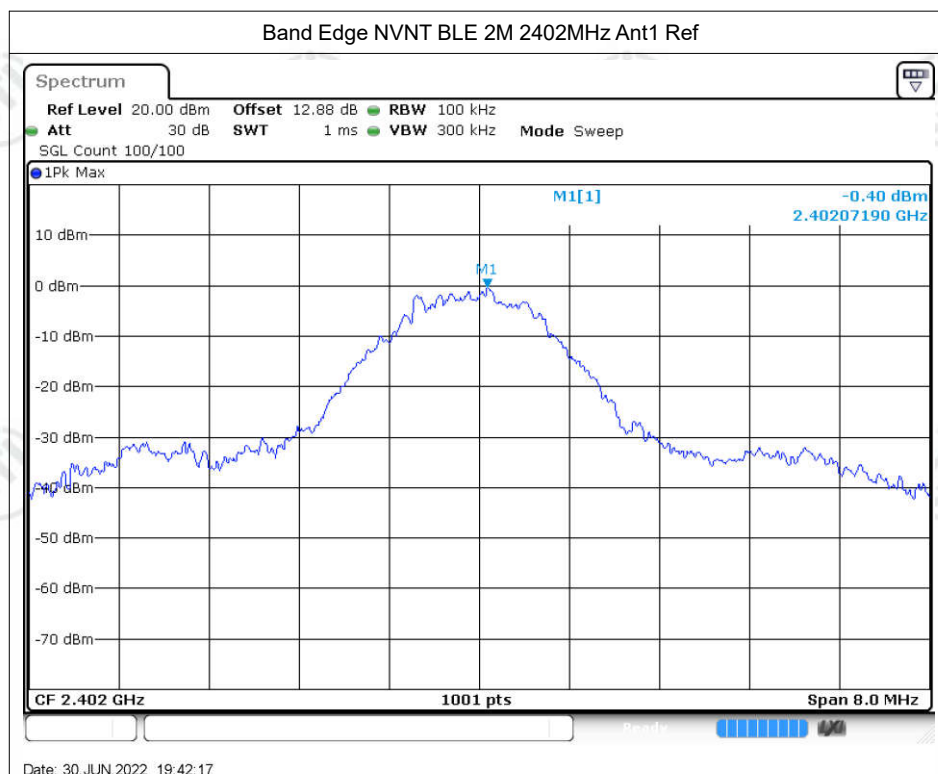
Test data:

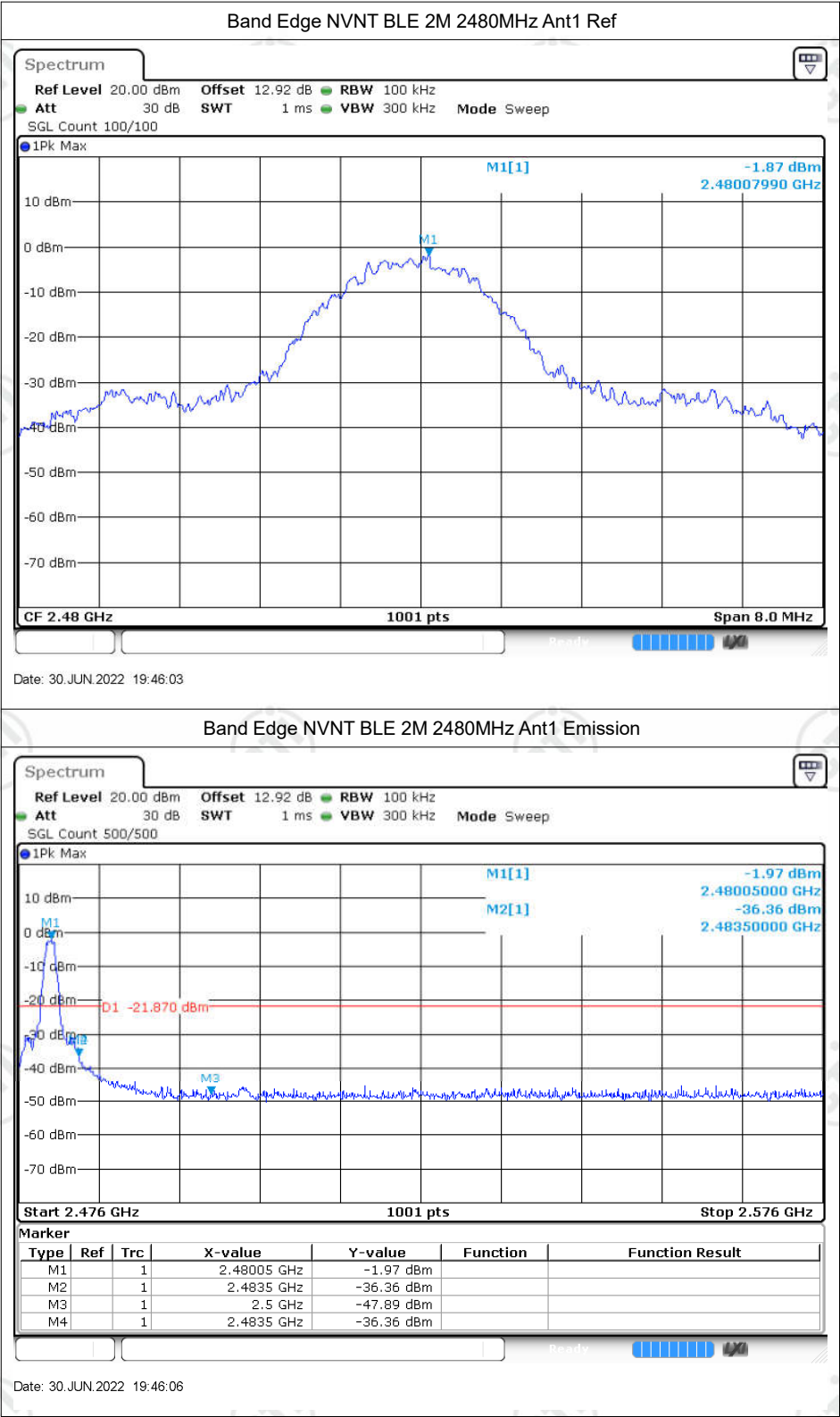
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-40.8	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.01	-20	Pass
NVNT	BLE 2M	2402	Ant1	-30.18	-20	Pass
NVNT	BLE 2M	2480	Ant1	-34.48	-20	Pass

Test graphs:









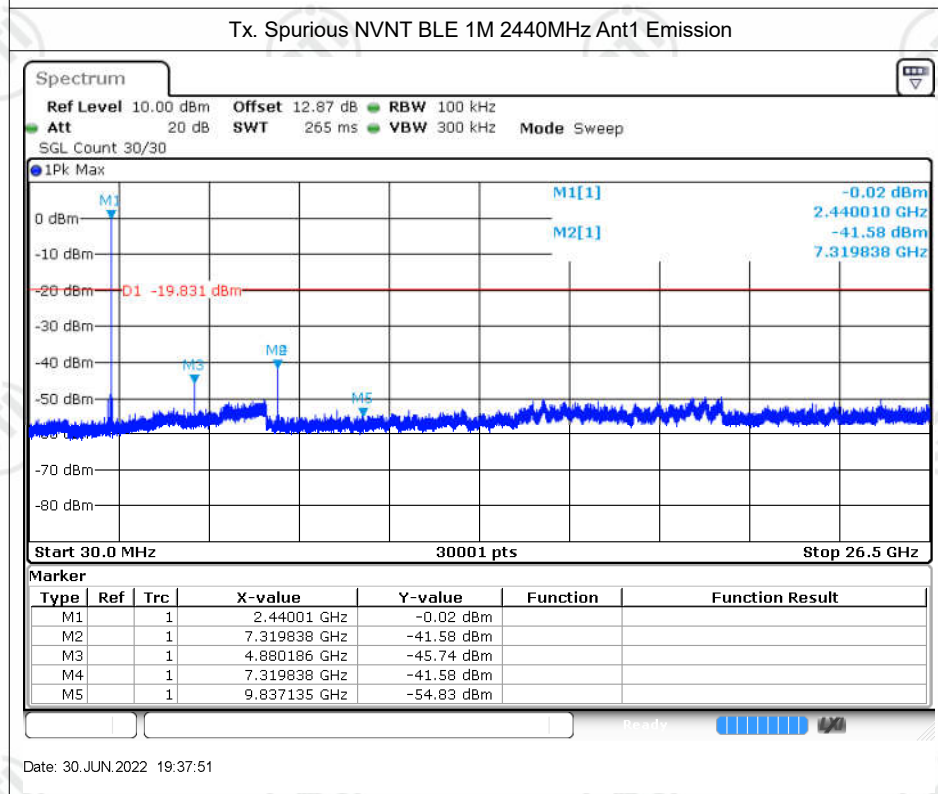
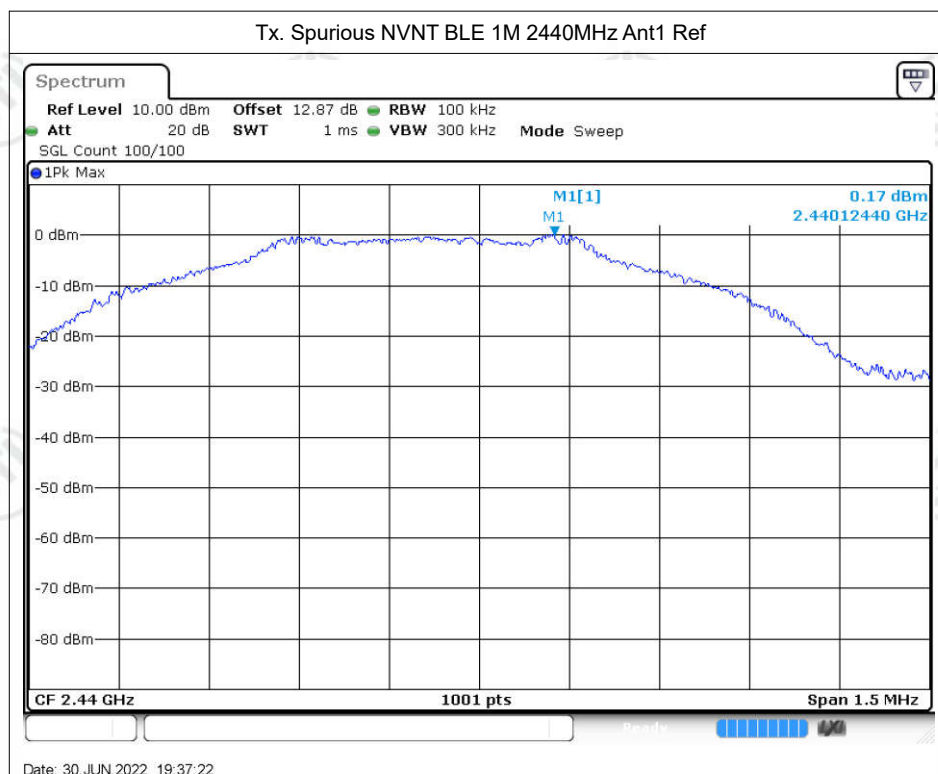
7.Conducted RF Spurious Emission

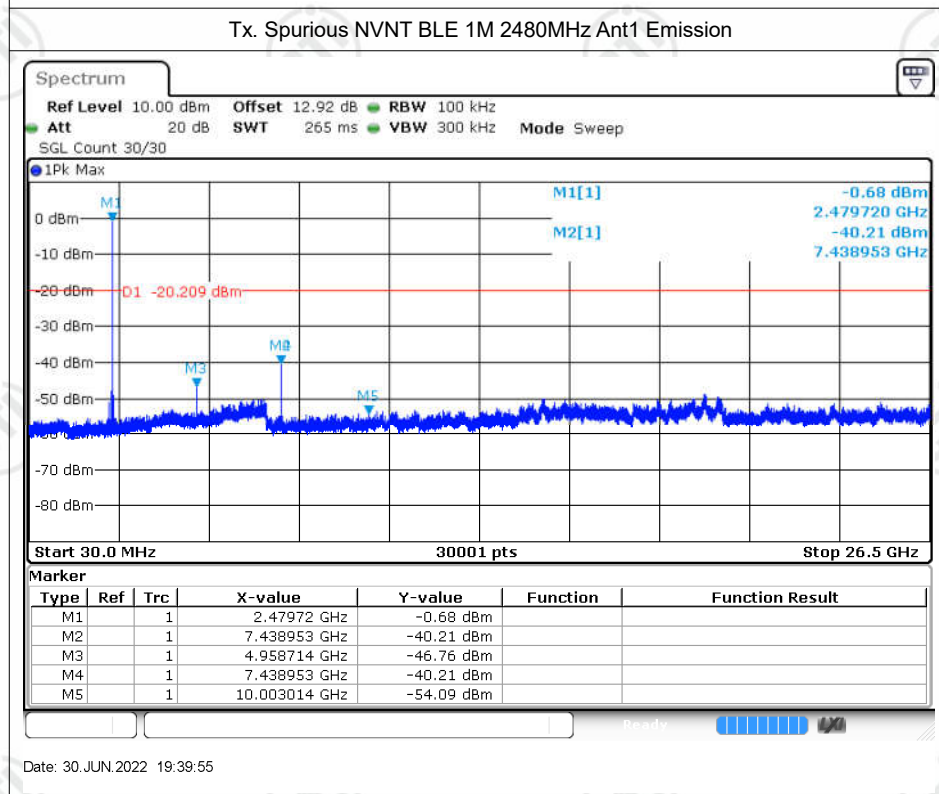
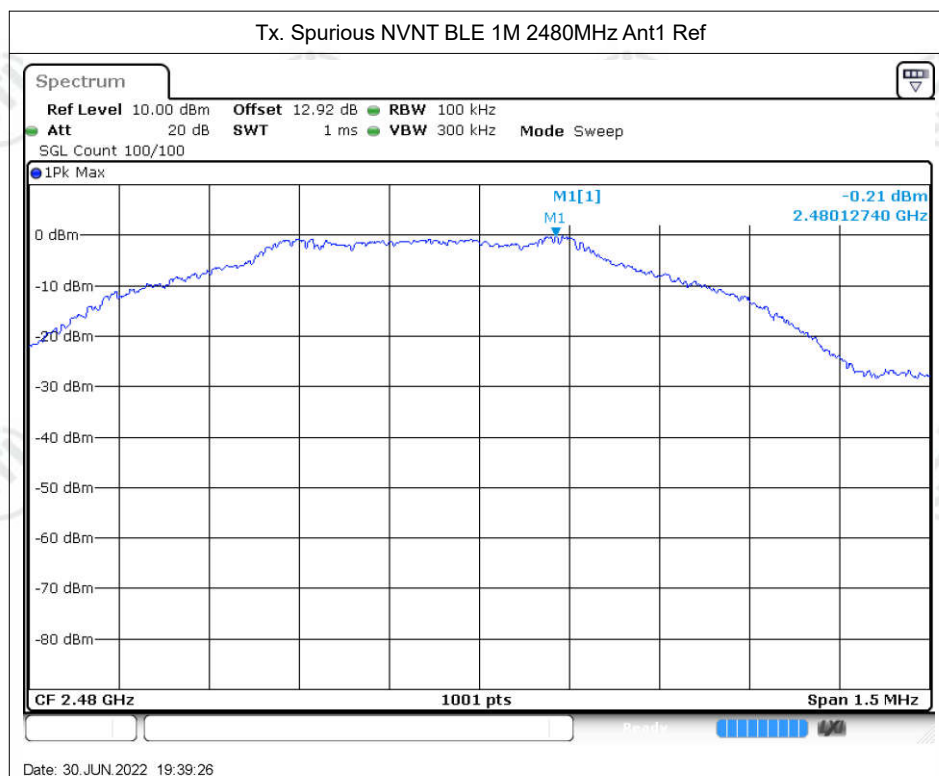
Test data:

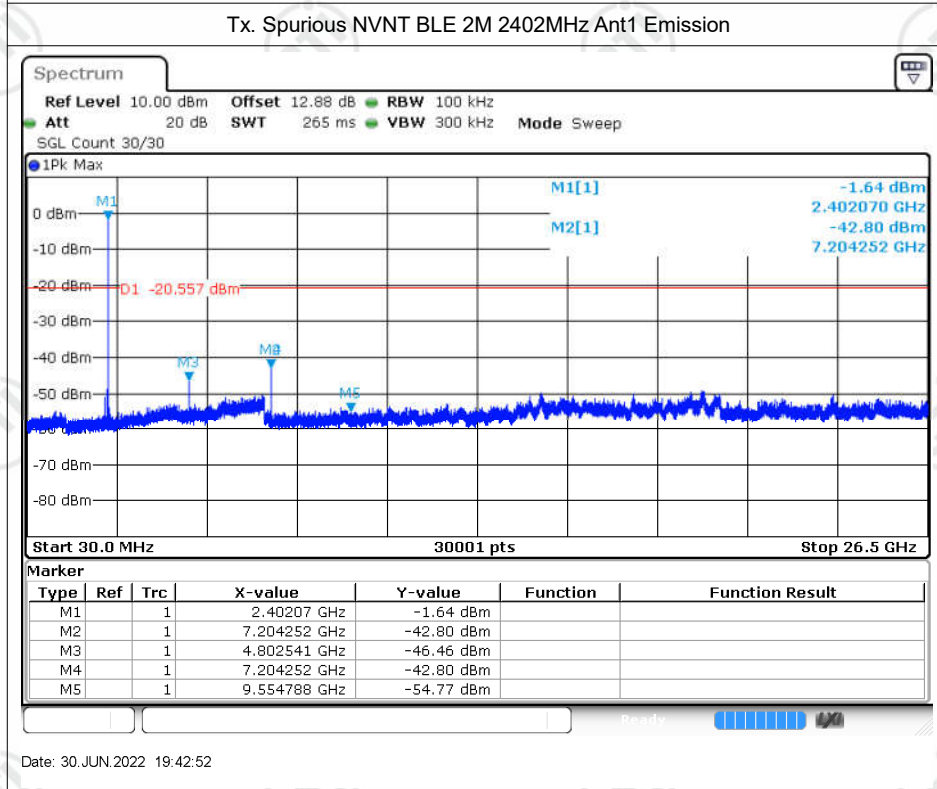
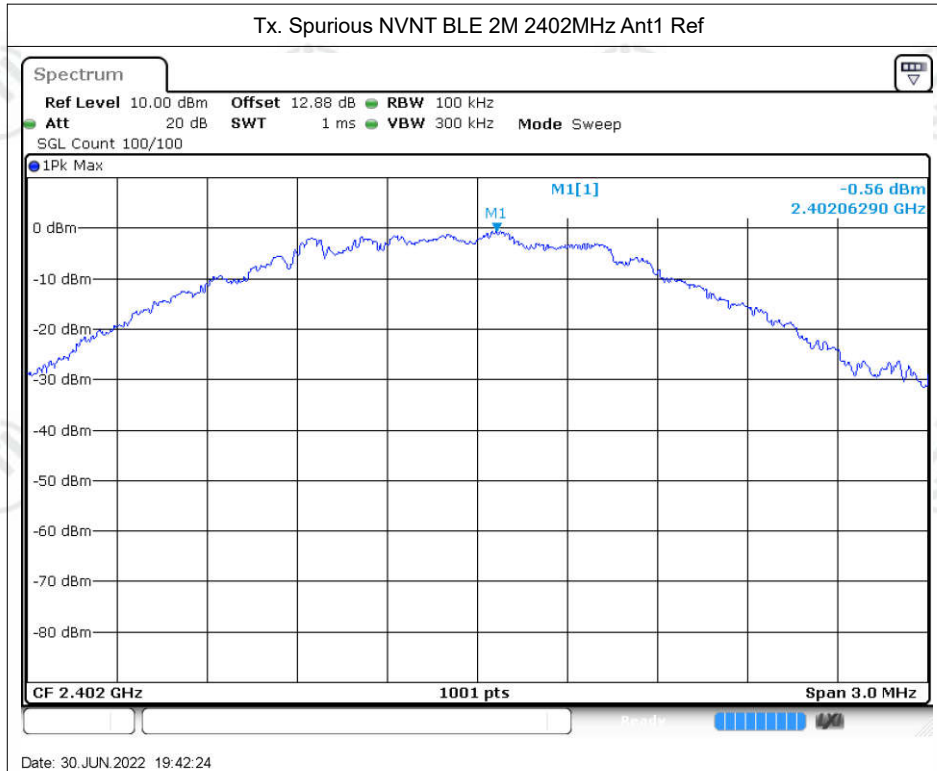
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-40.84	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.74	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40	-20	Pass
NVNT	BLE 2M	2402	Ant1	-42.23	-20	Pass
NVNT	BLE 2M	2440	Ant1	-41.1	-20	Pass
NVNT	BLE 2M	2480	Ant1	-40.82	-20	Pass

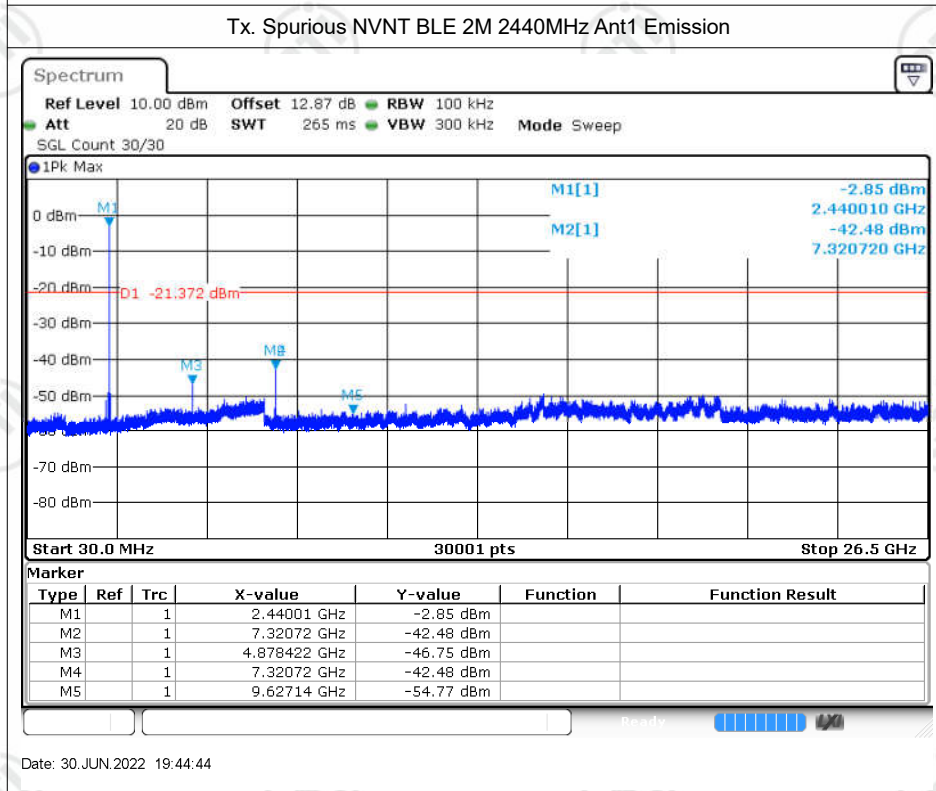
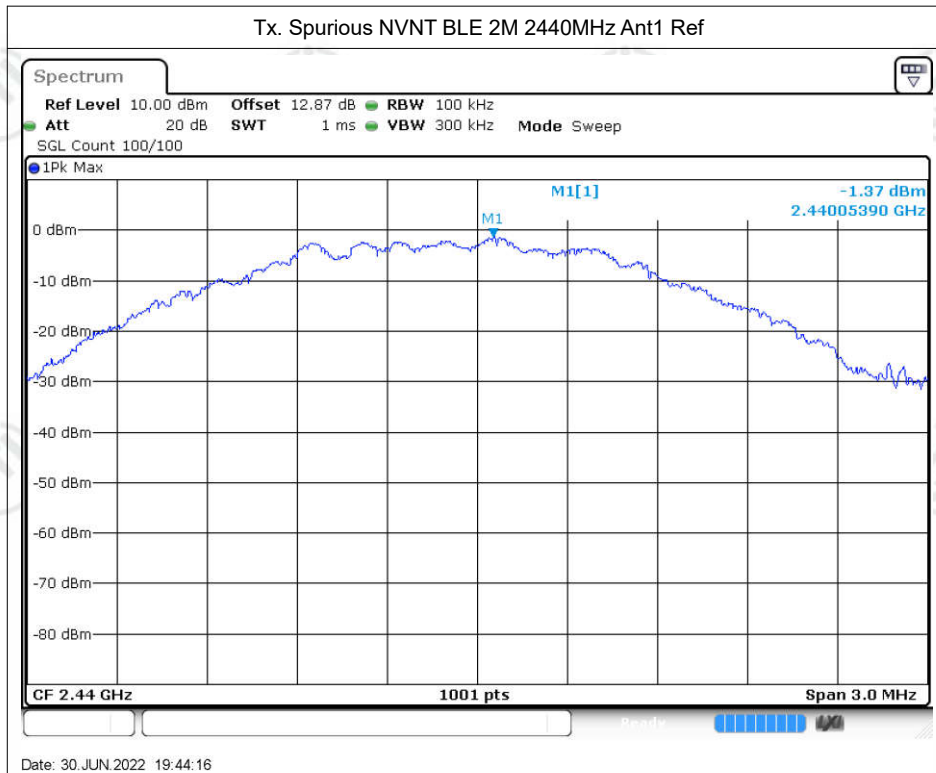
Test graphs:

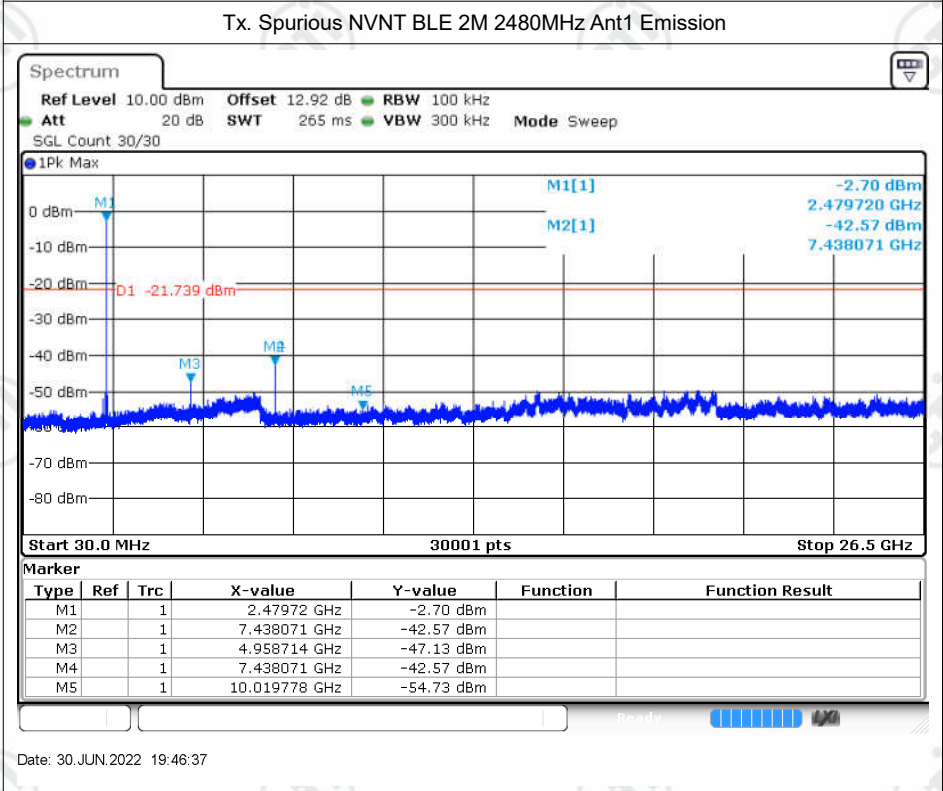
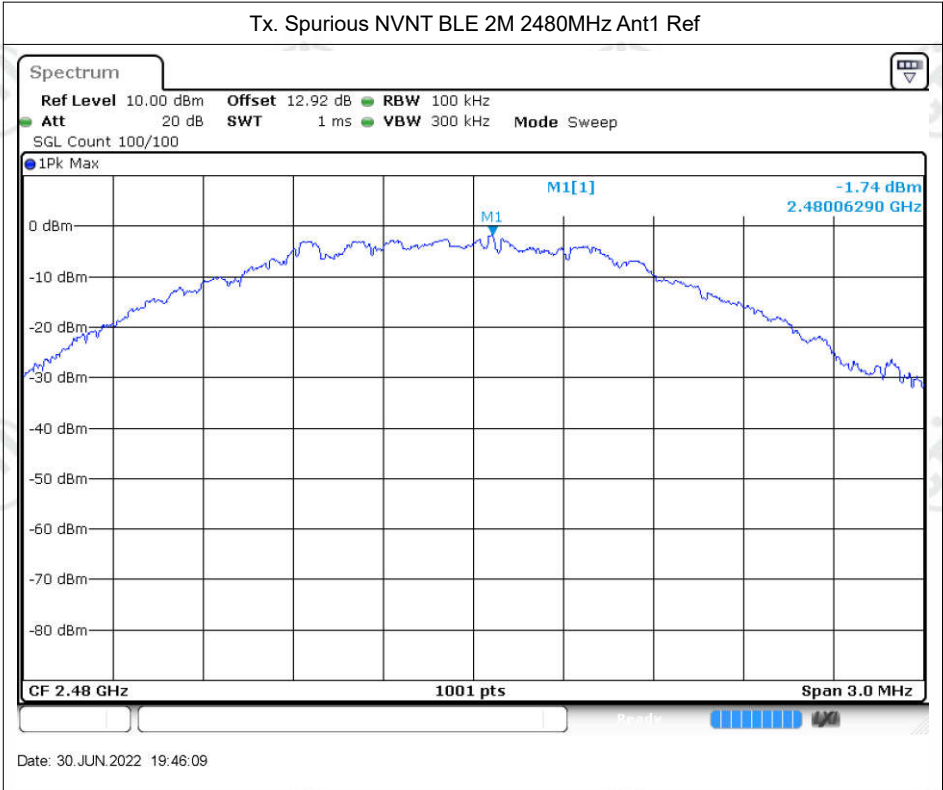












END OF REPORT