

Appendix: Bluetooth LE

Contents

Duty Cycle 3

Maximum Peak Conducted Output Power 7

-6dB Bandwidth 11

Occupied Channel Bandwidth 15

Maximum Power Spectral Density Level 19

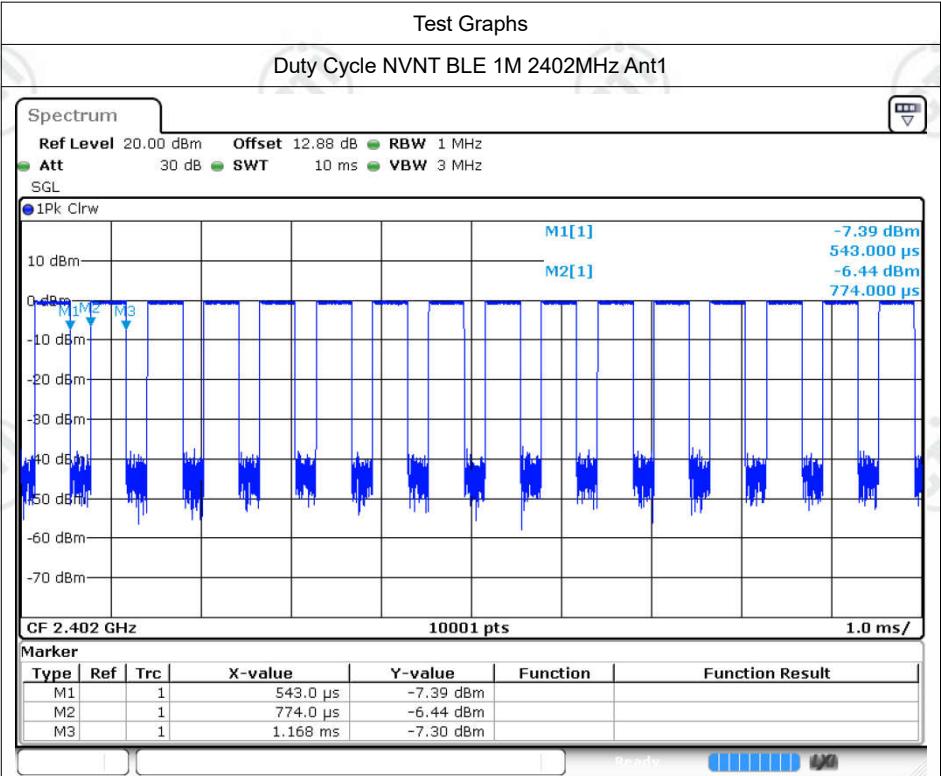
Band Edge 23

Conducted RF Spurious Emission 28

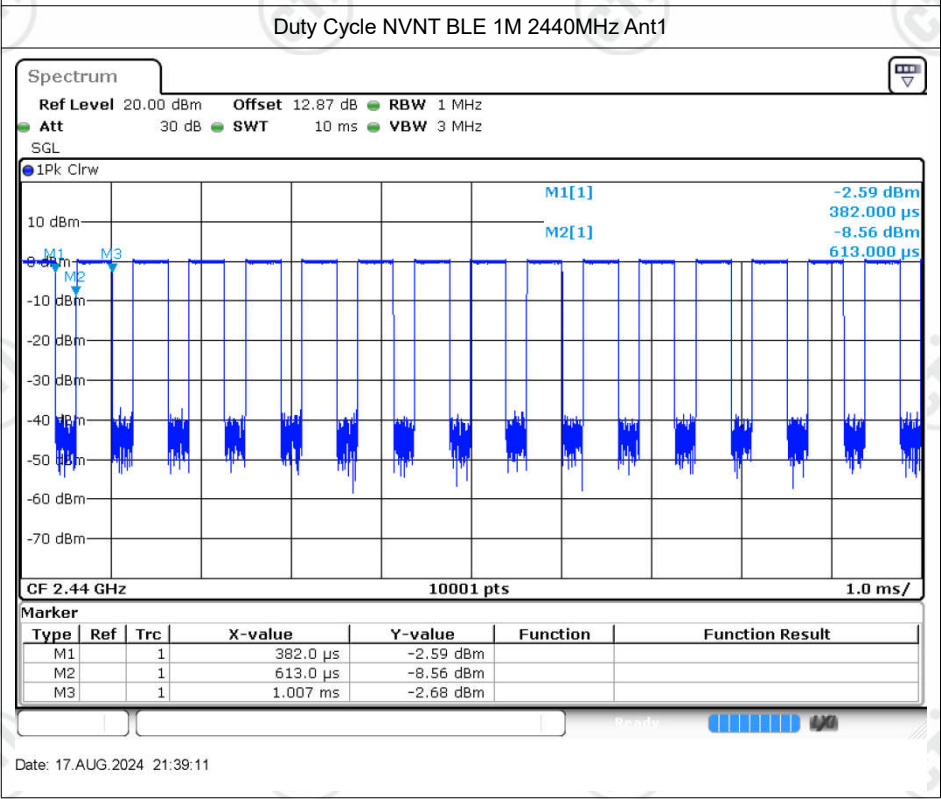
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.04	2	2.54
NVNT	BLE 1M	2440	Ant1	63.04	2	2.54
NVNT	BLE 1M	2480	Ant1	63.04	2	2.54
NVNT	BLE 2M	2402	Ant1	33.44	4.76	4.78
NVNT	BLE 2M	2440	Ant1	33.49	4.75	4.78
NVNT	BLE 2M	2480	Ant1	33.6	4.74	4.76

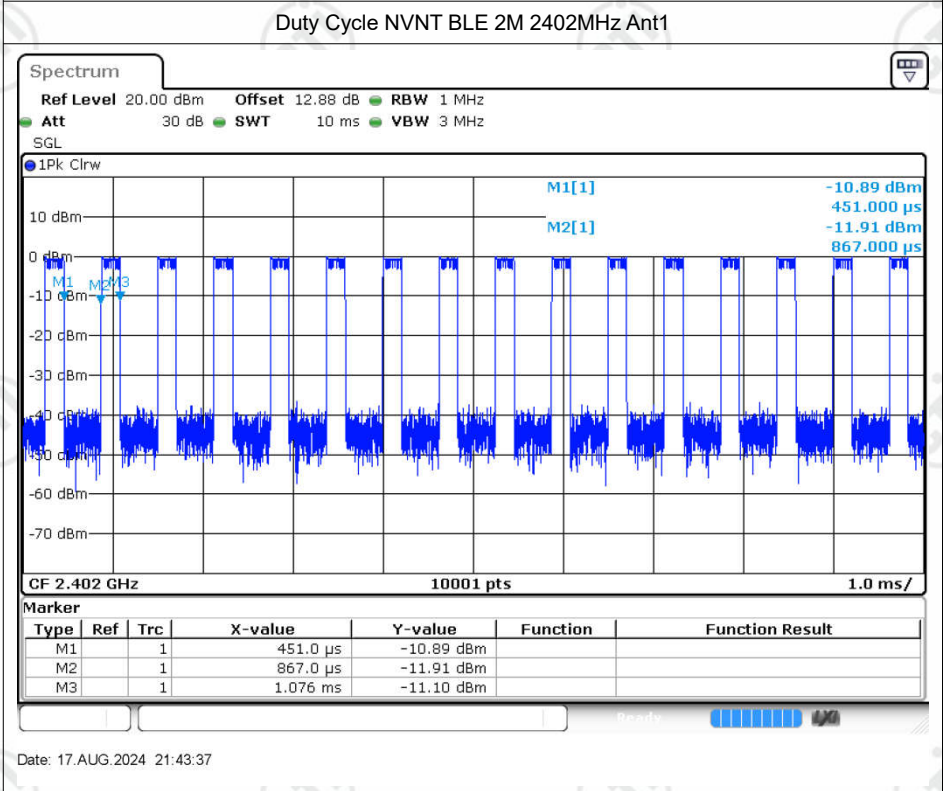
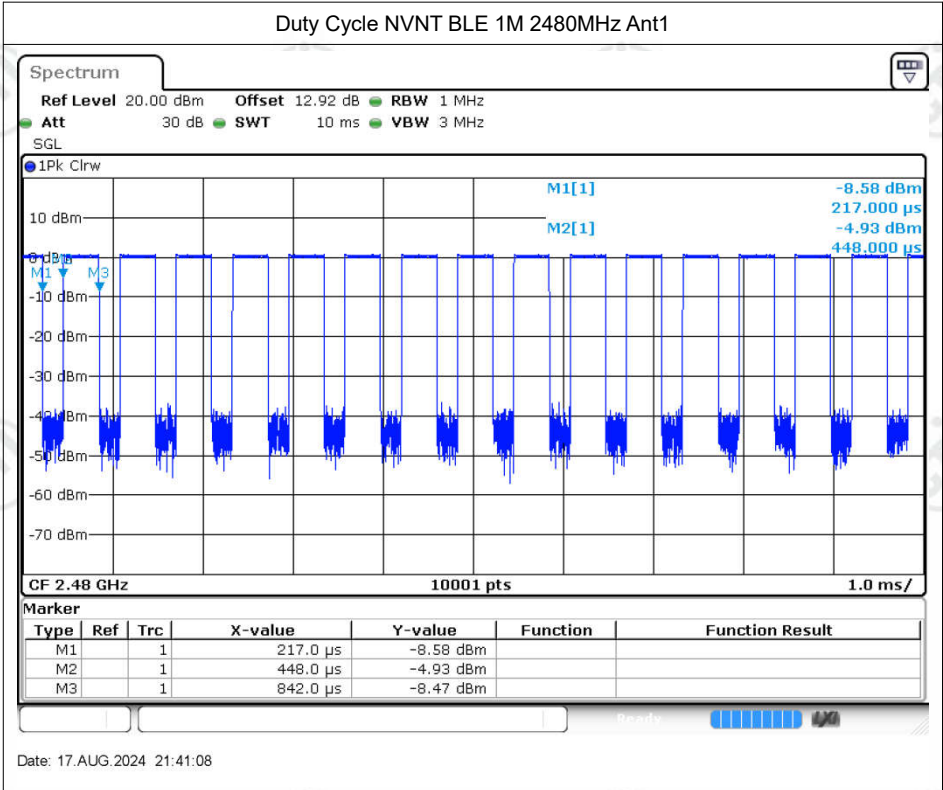
Note:Duty Cycle Correction Factor (dB)=-10*Ig Duty Cycle;

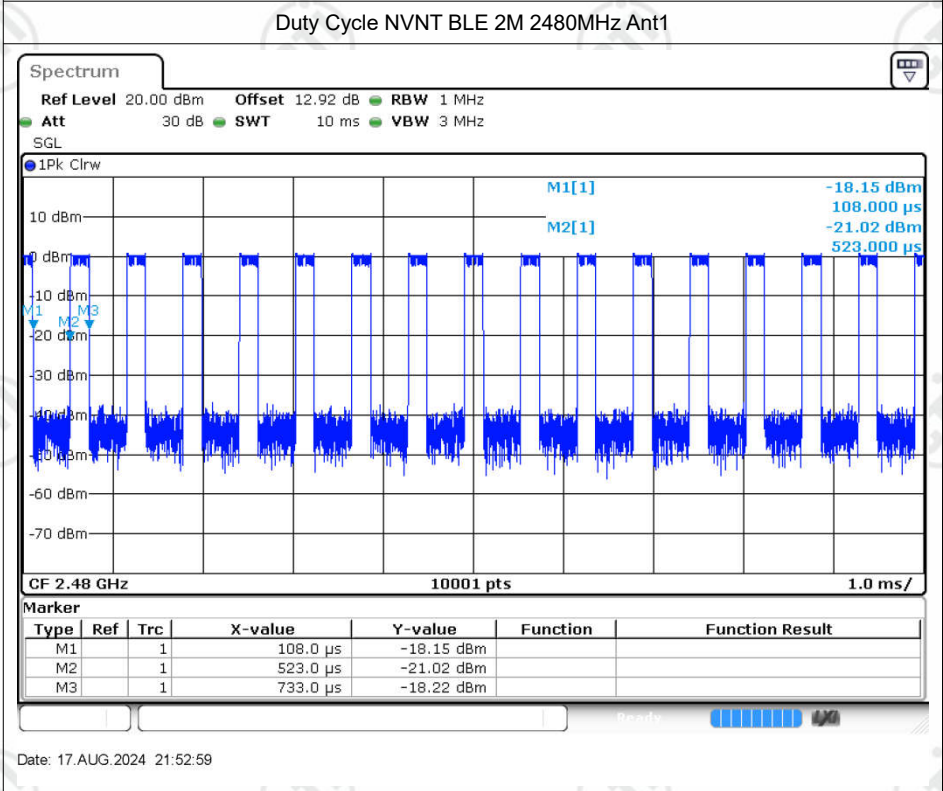
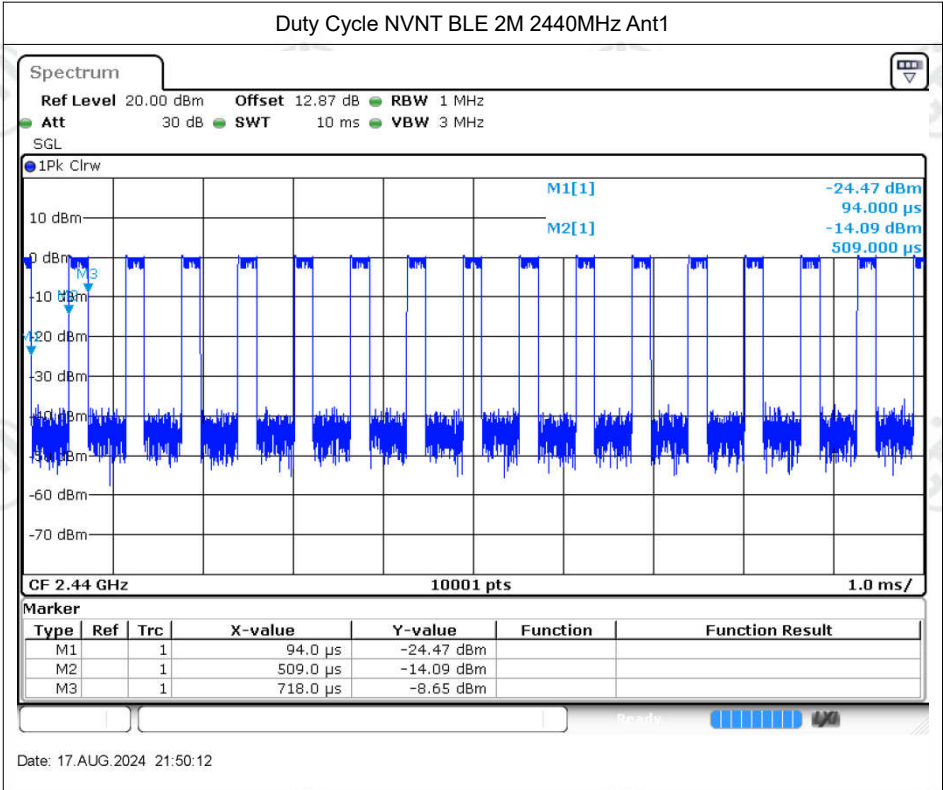


Date: 17.AUG.2024 21:31:04



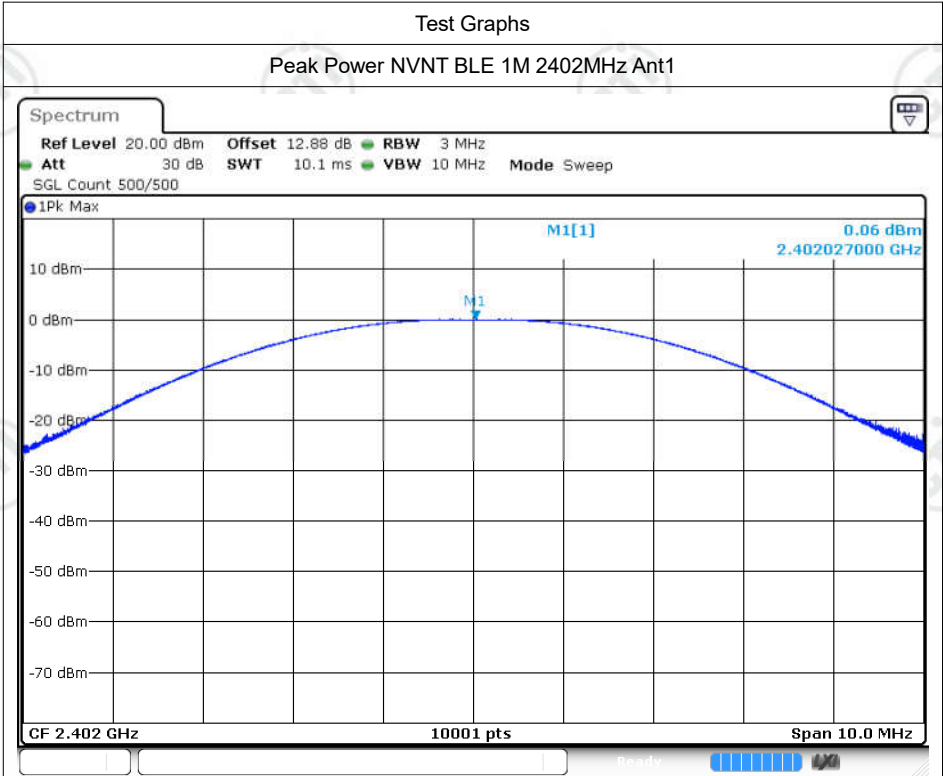
Date: 17.AUG.2024 21:39:11



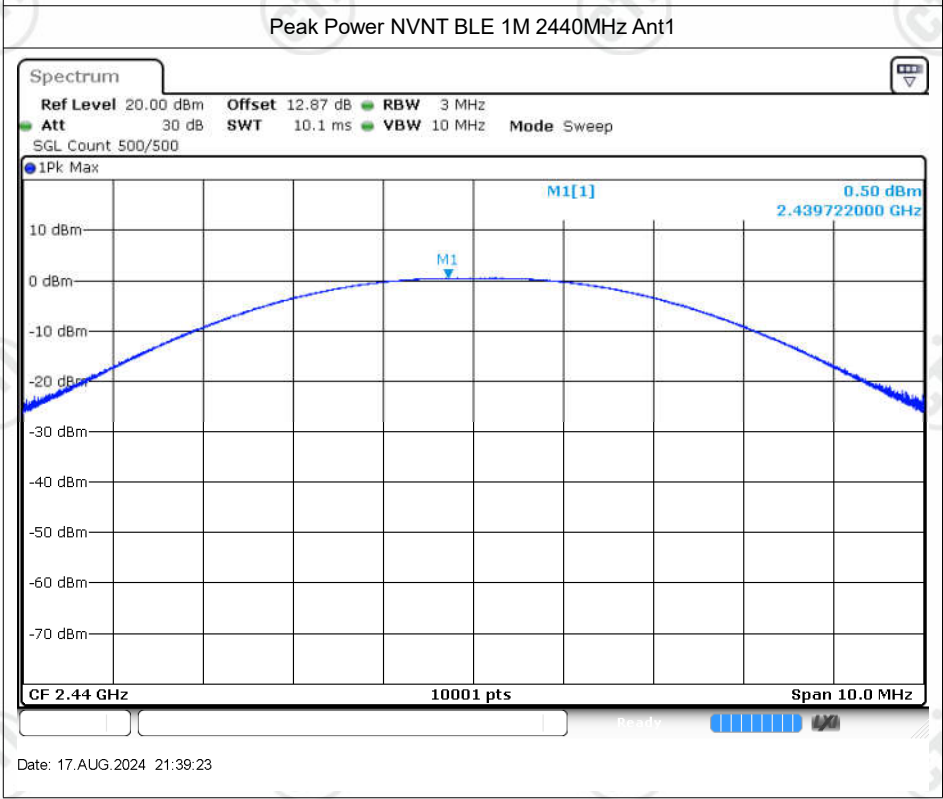


Maximum Peak Conducted Output Power

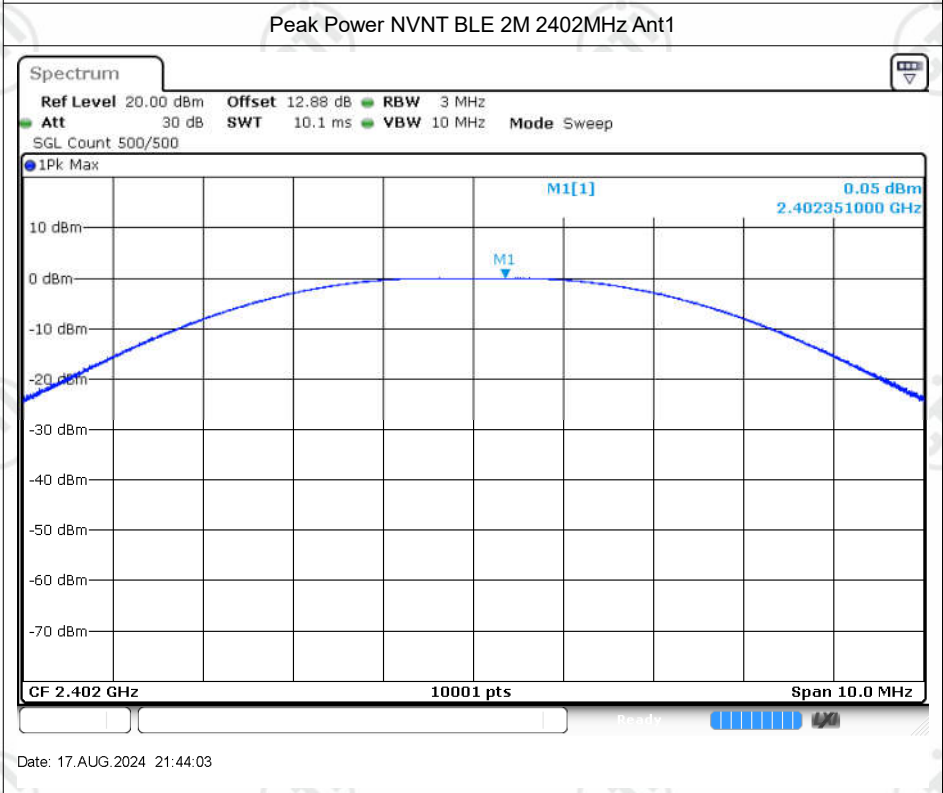
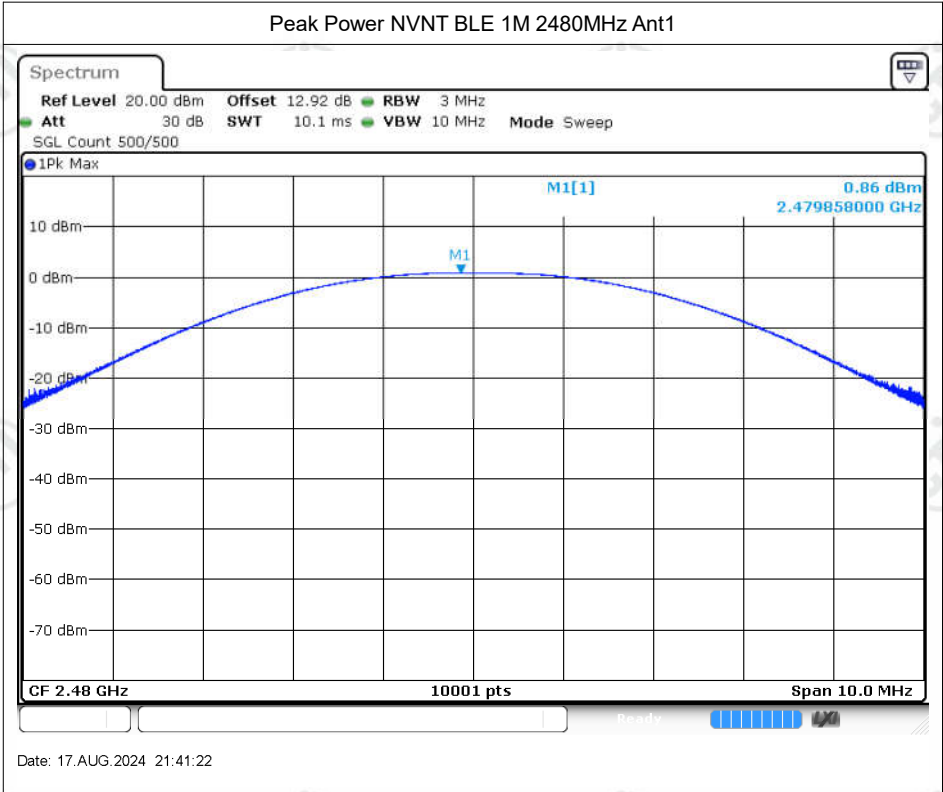
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.06	30	Pass
NVNT	BLE 1M	2440	Ant1	0.50	30	Pass
NVNT	BLE 1M	2480	Ant1	0.86	30	Pass
NVNT	BLE 2M	2402	Ant1	0.05	30	Pass
NVNT	BLE 2M	2440	Ant1	0.51	30	Pass
NVNT	BLE 2M	2480	Ant1	0.88	30	Pass

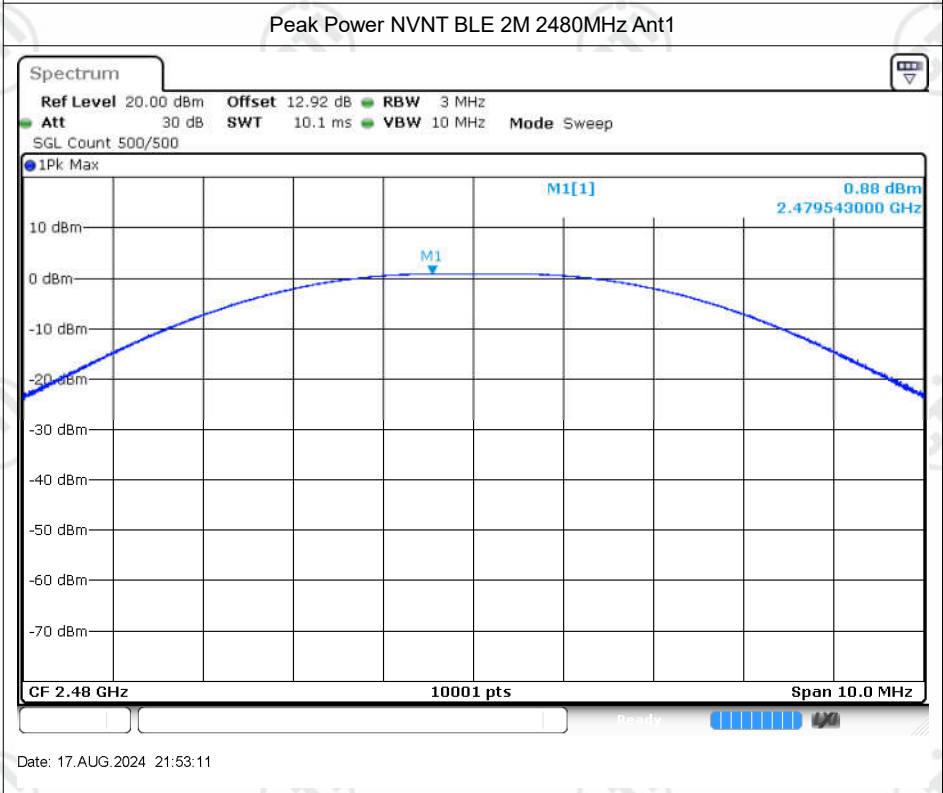
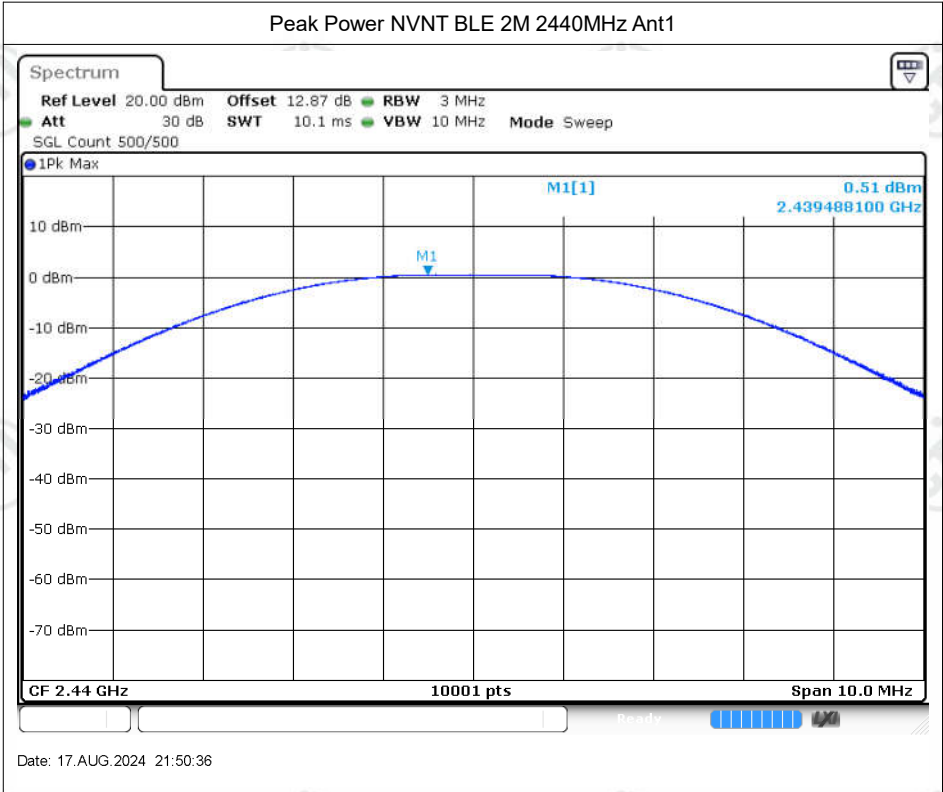


Date: 17.AUG.2024 21:28:36



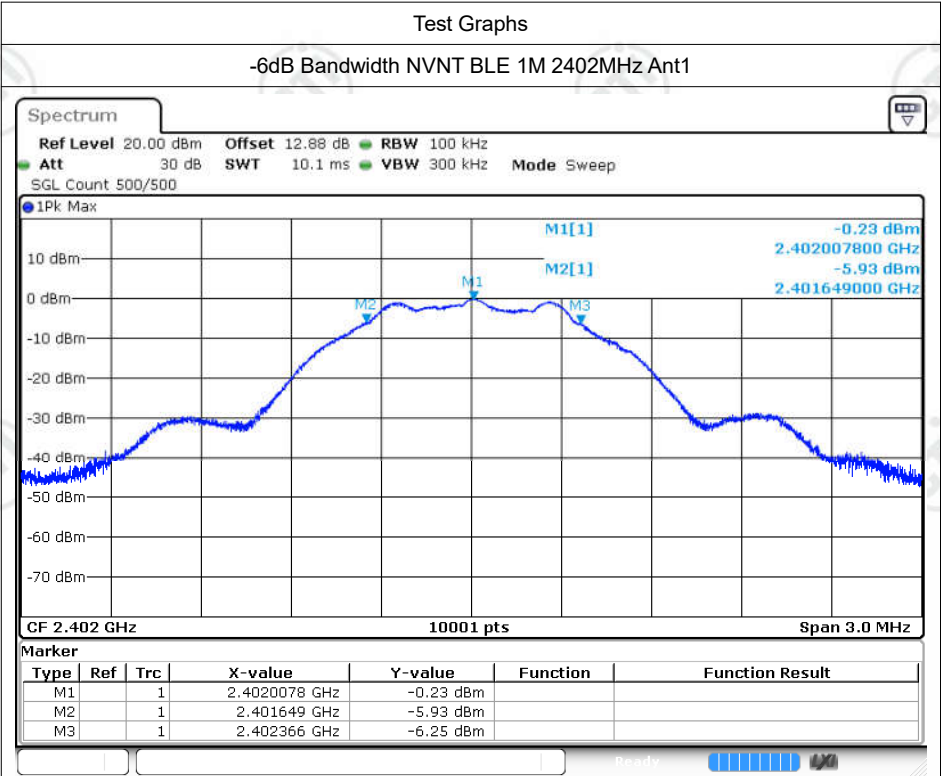
Date: 17.AUG.2024 21:39:23



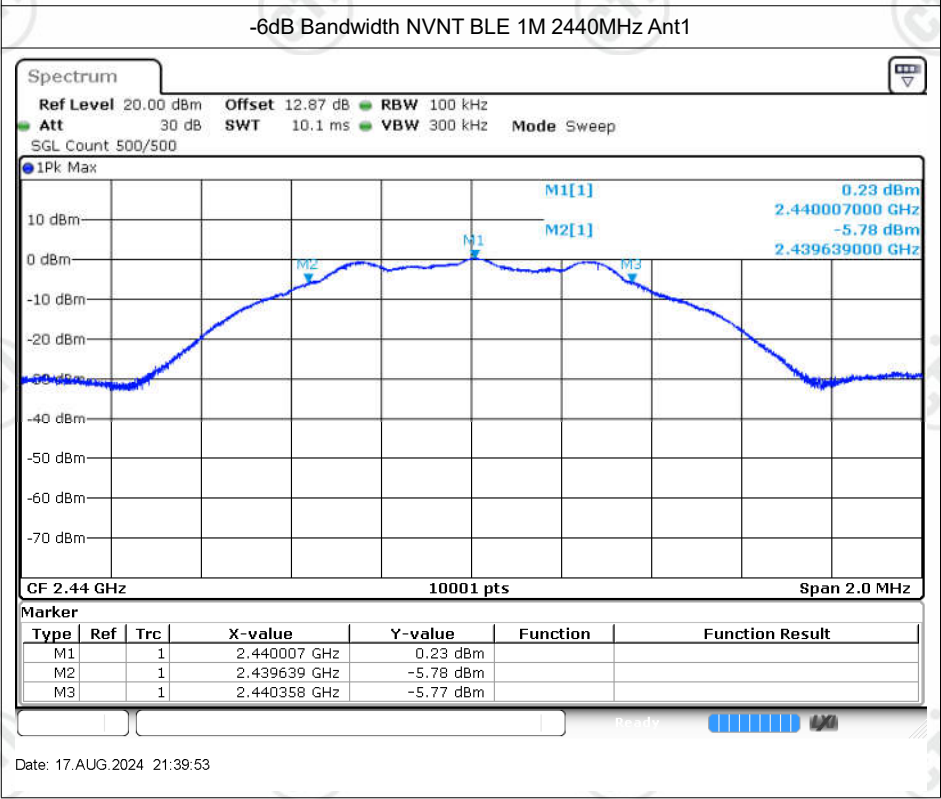


-6dB Bandwidth

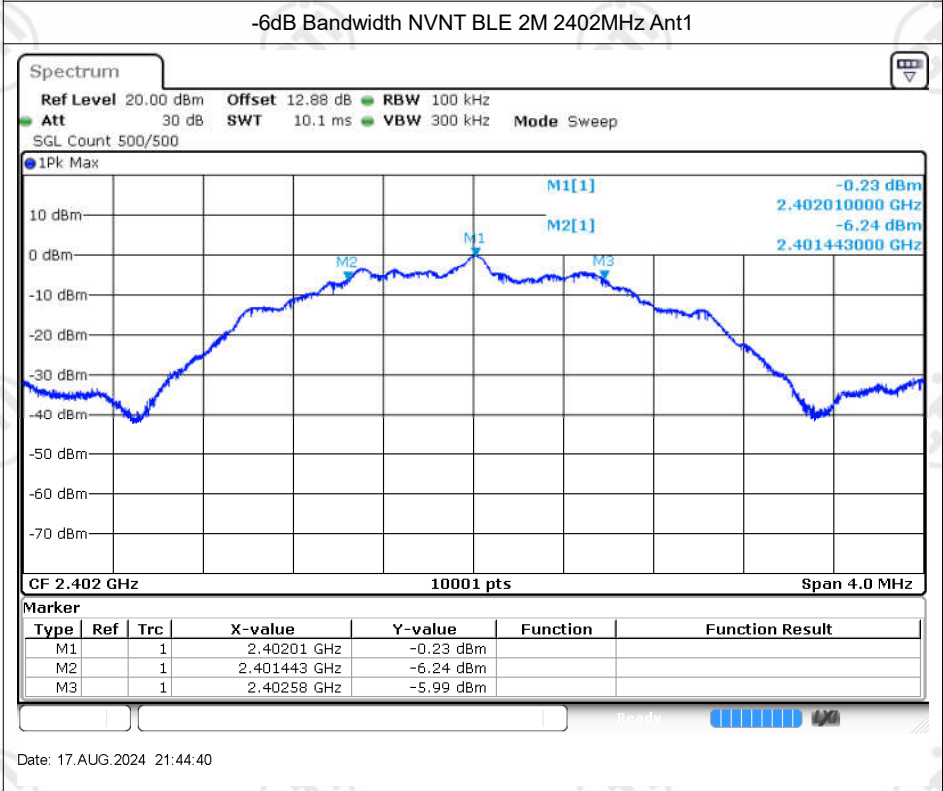
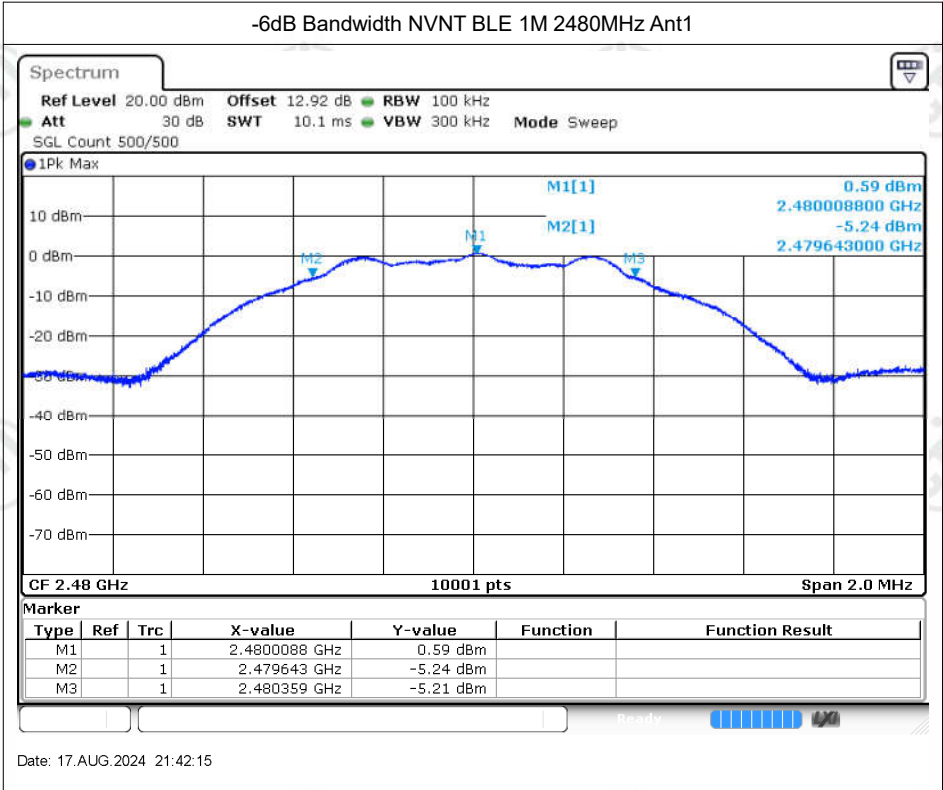
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.717	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.719	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.717	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.137	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.139	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.148	0.5	Pass

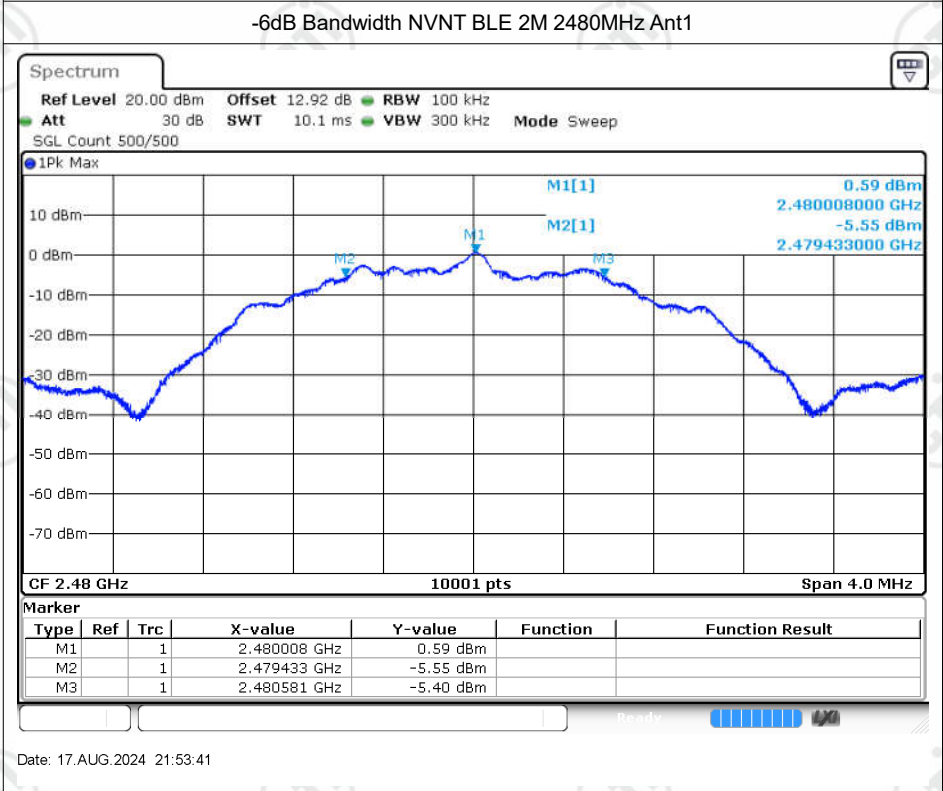
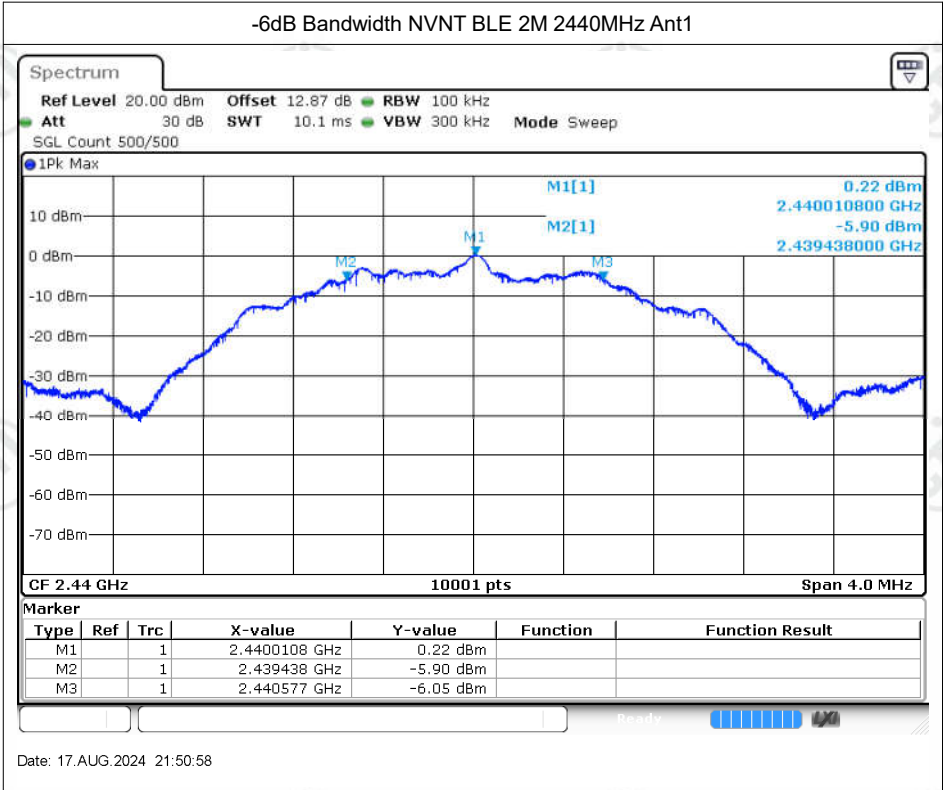


Date: 17.AUG.2024 21:36:59



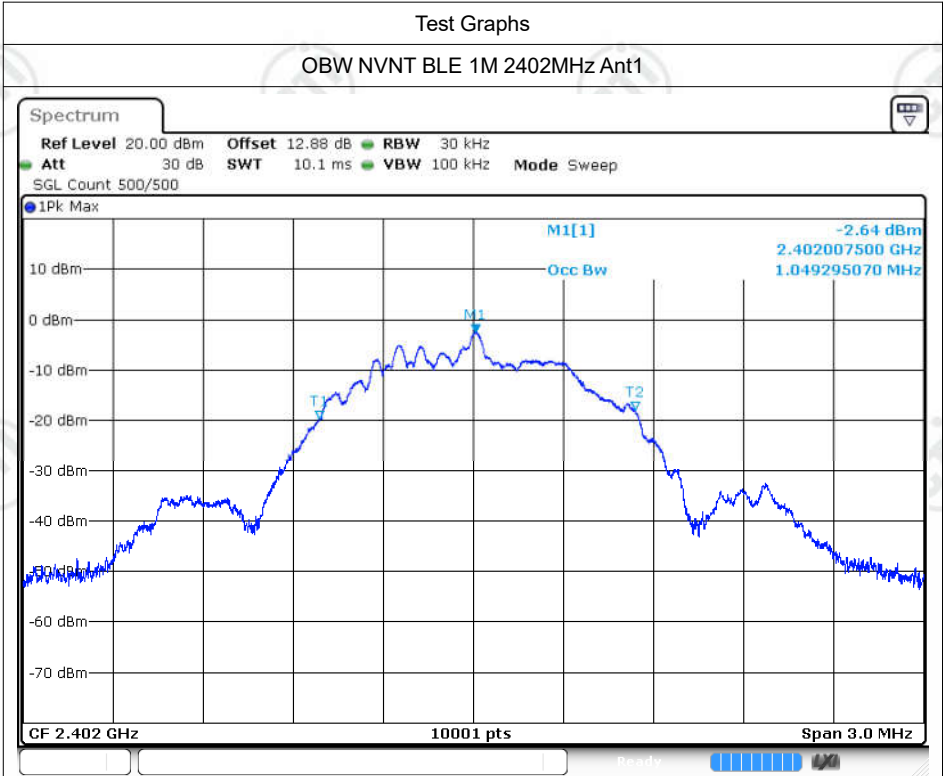
Date: 17.AUG.2024 21:39:53



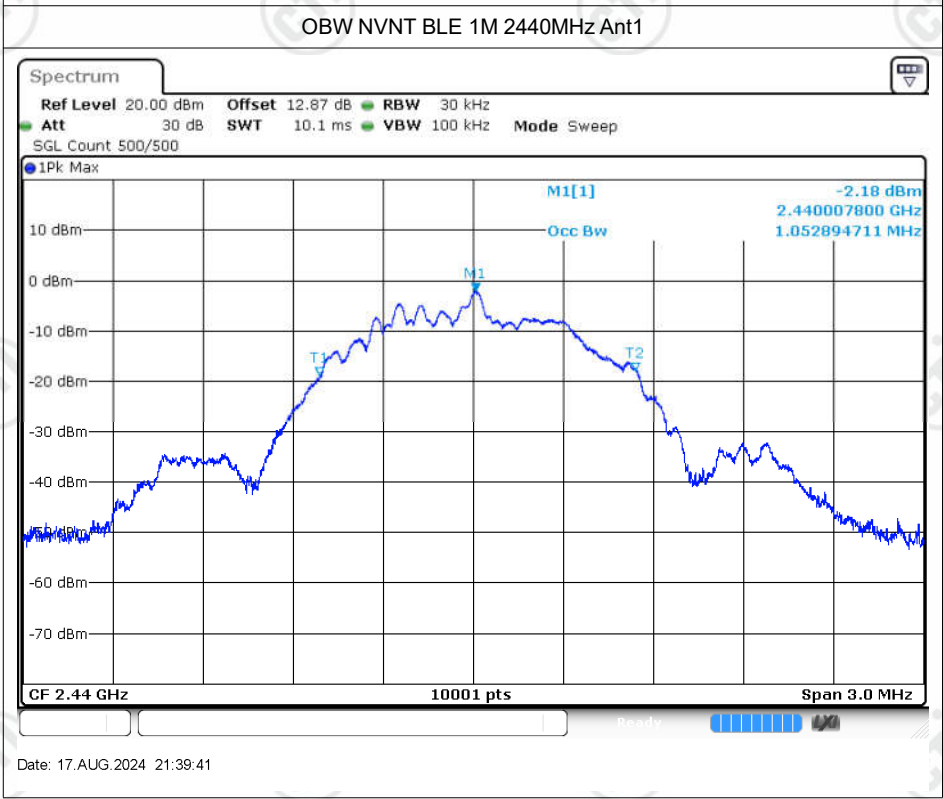


Occupied Channel Bandwidth

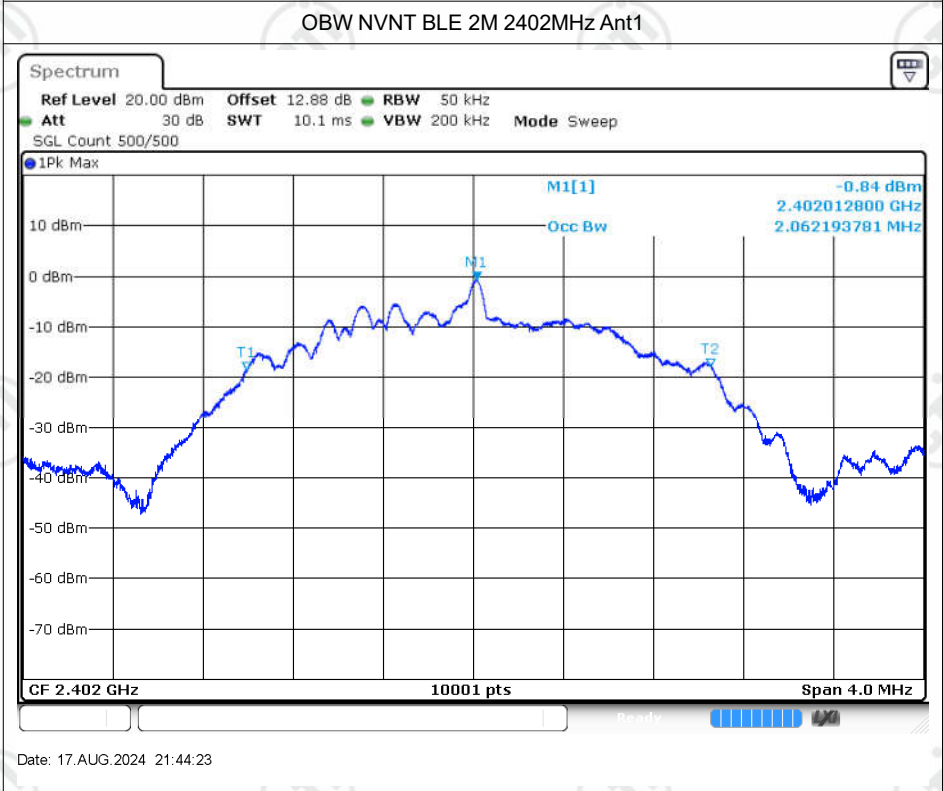
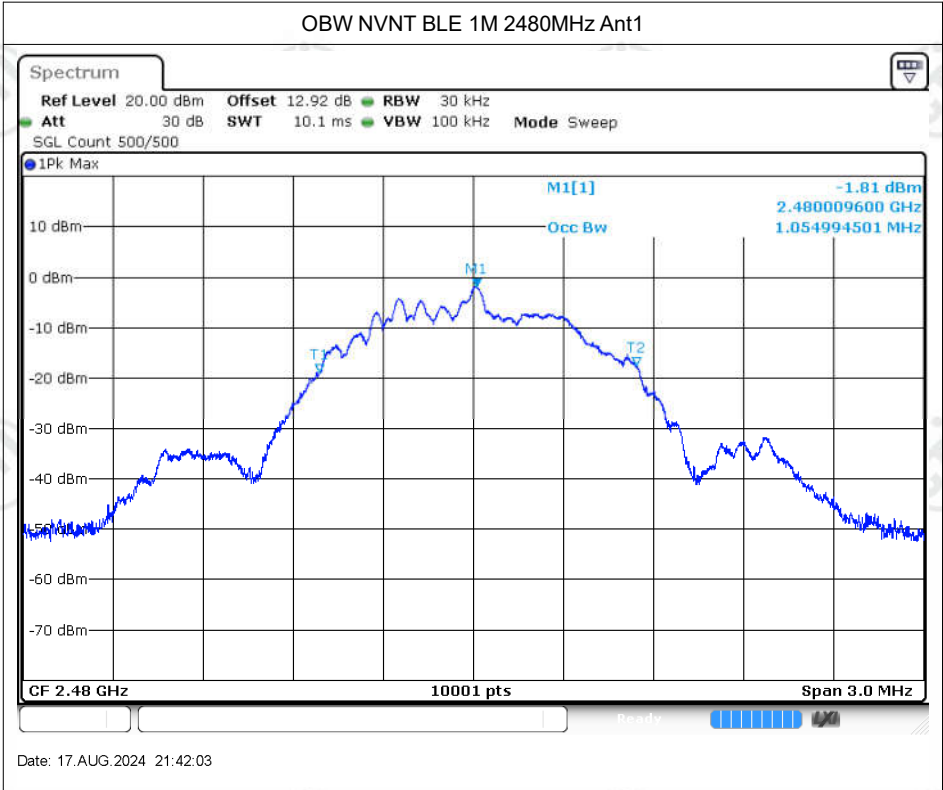
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.049
NVNT	BLE 1M	2440	Ant1	1.053
NVNT	BLE 1M	2480	Ant1	1.055
NVNT	BLE 2M	2402	Ant1	2.062
NVNT	BLE 2M	2440	Ant1	2.066
NVNT	BLE 2M	2480	Ant1	2.067

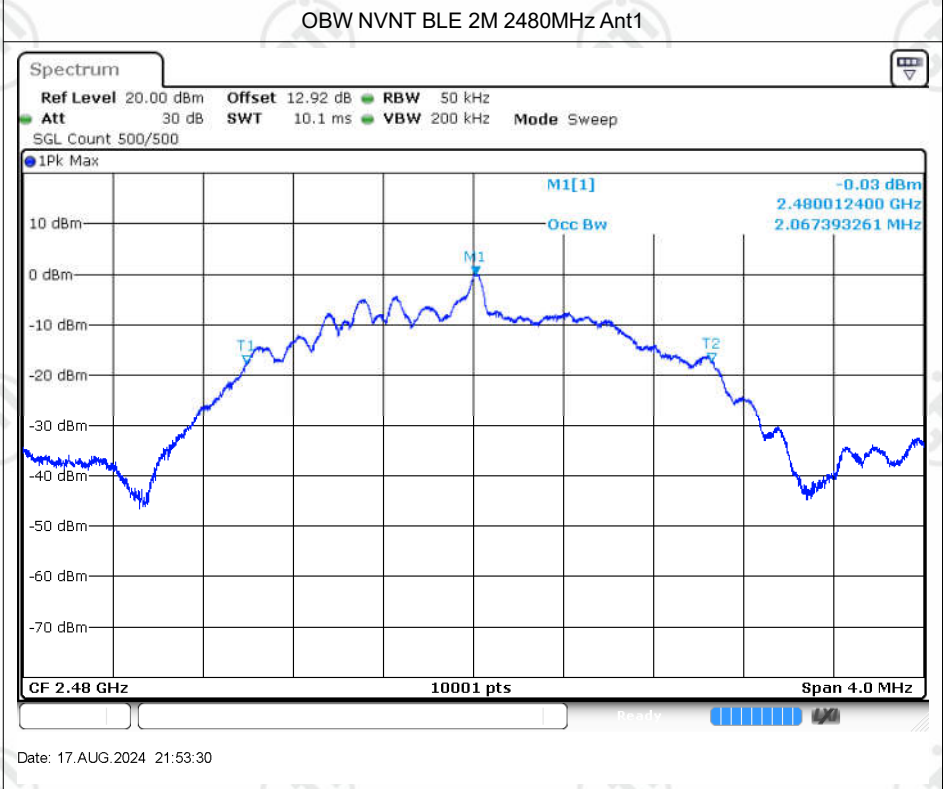
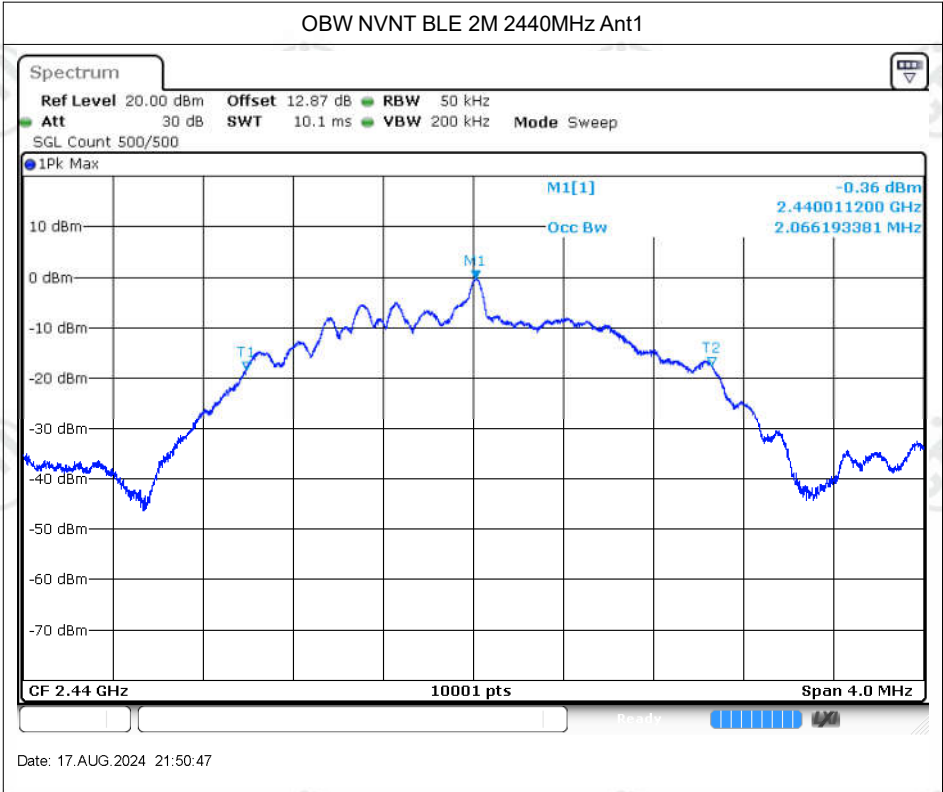


Date: 17.AUG.2024 21:36:32



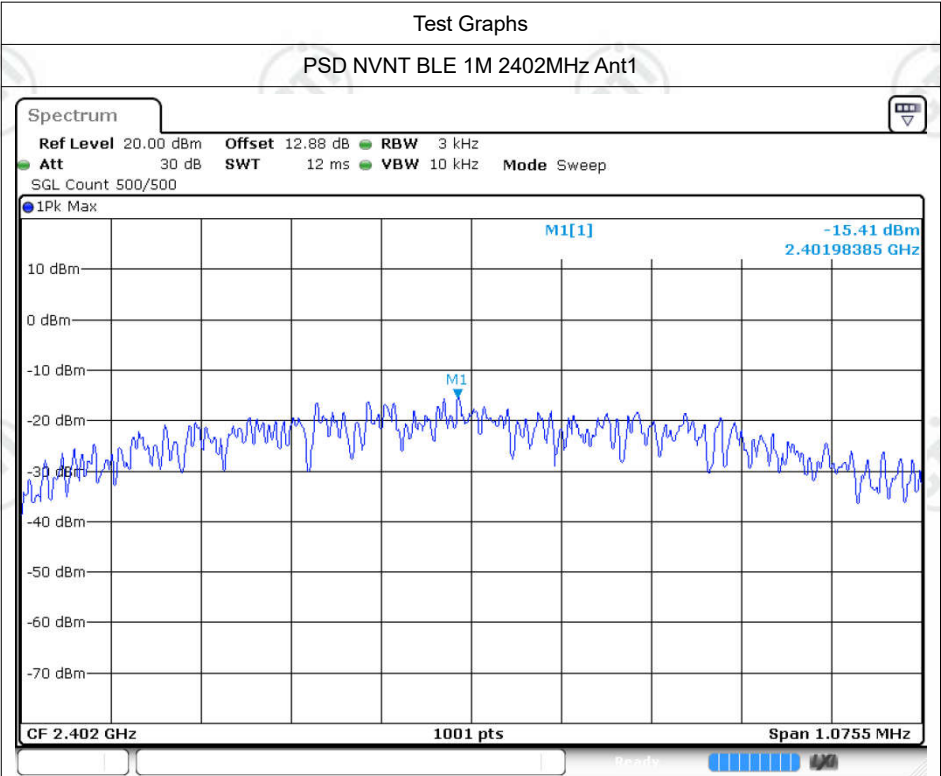
Date: 17.AUG.2024 21:39:41



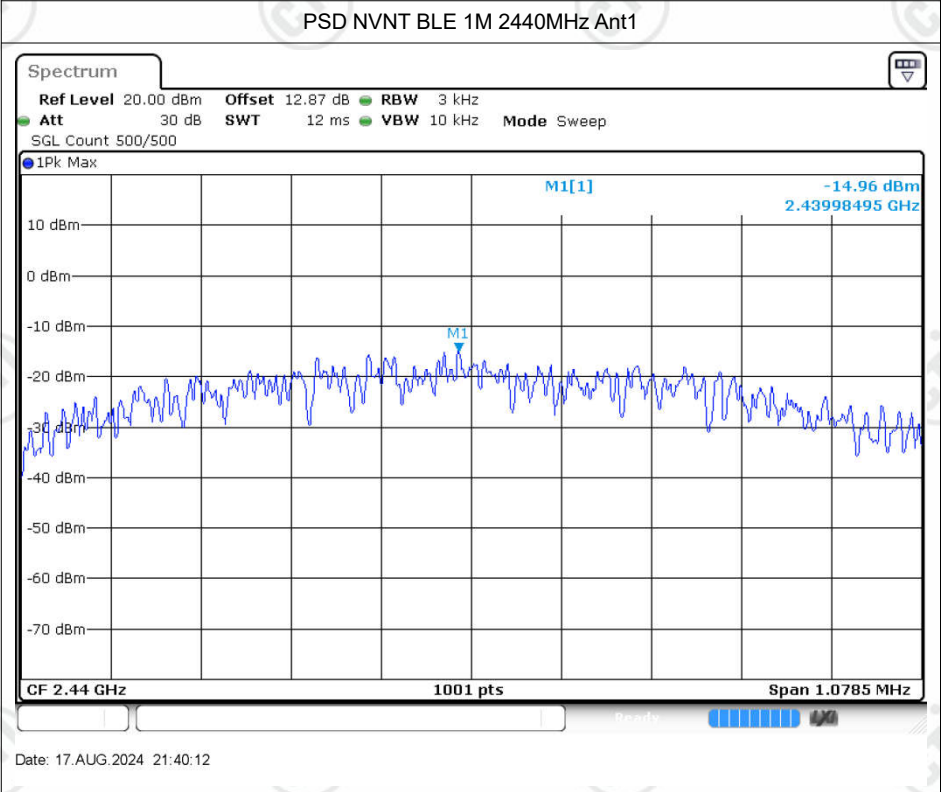


Maximum Power Spectral Density Level

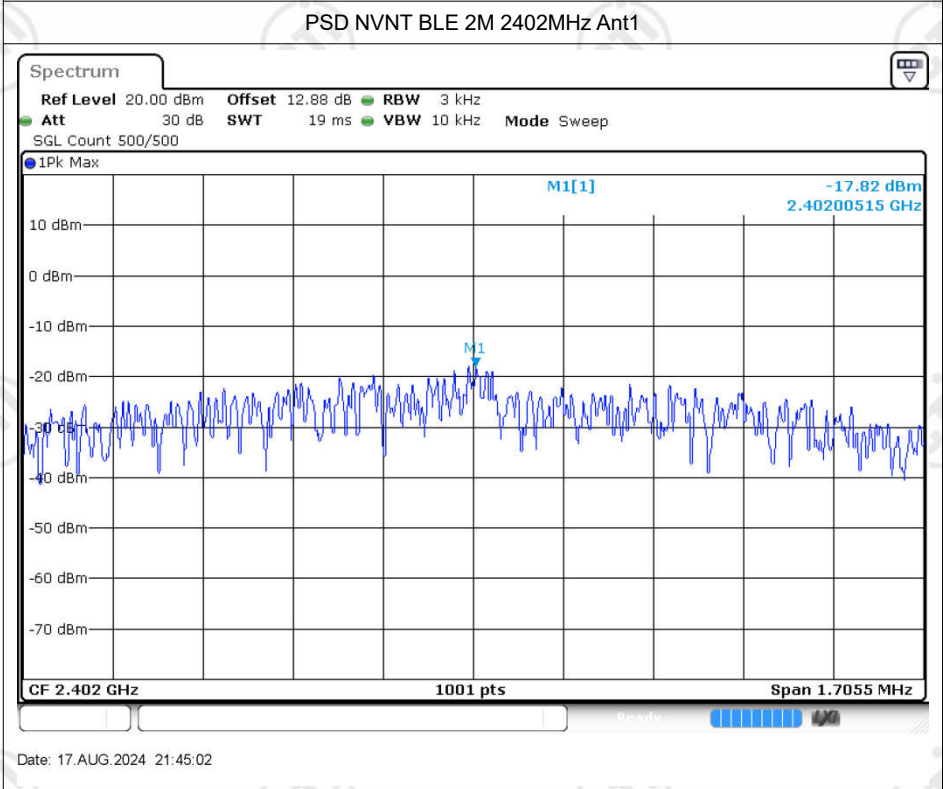
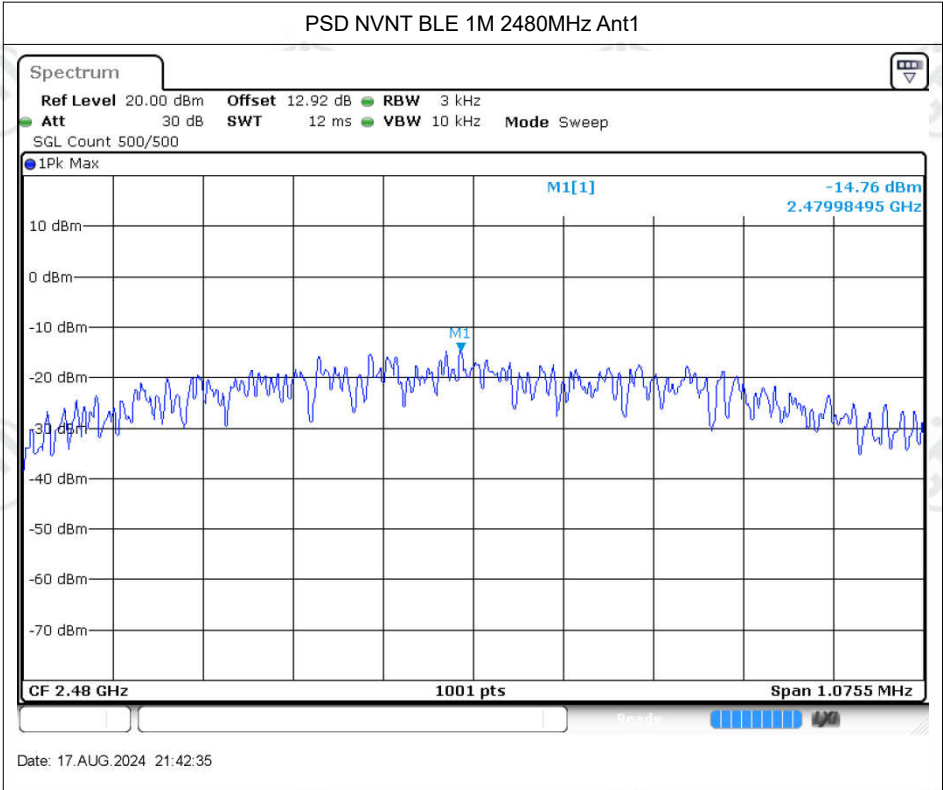
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.41	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.96	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.76	8	Pass
NVNT	BLE 2M	2402	Ant1	-17.82	8	Pass
NVNT	BLE 2M	2440	Ant1	-17.46	8	Pass
NVNT	BLE 2M	2480	Ant1	-17.12	8	Pass

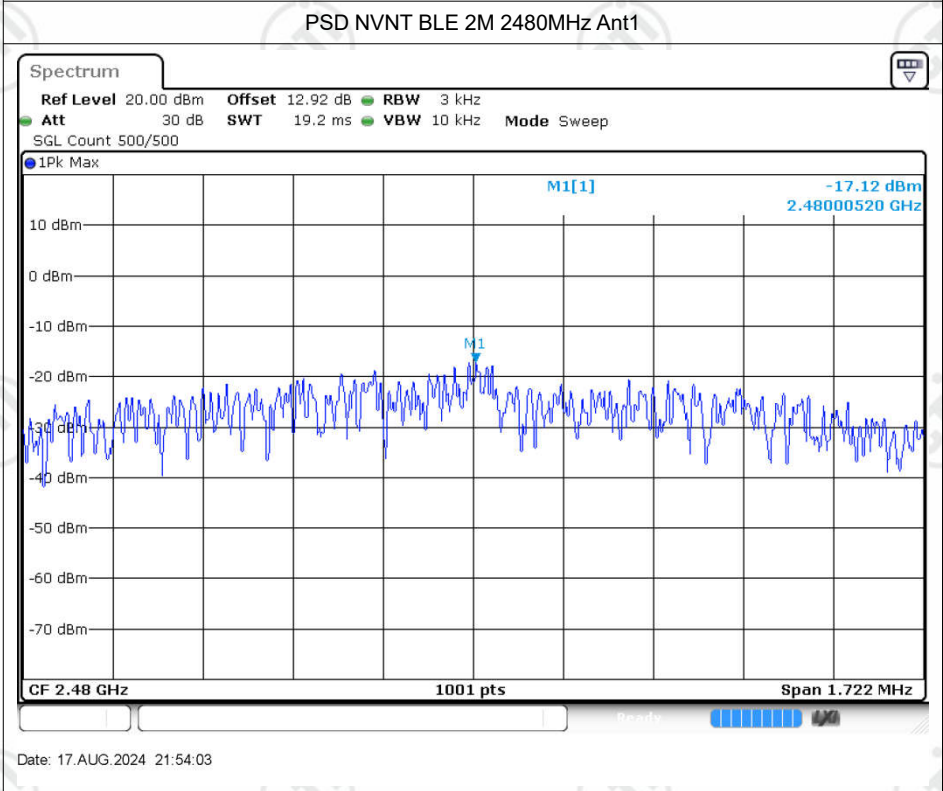
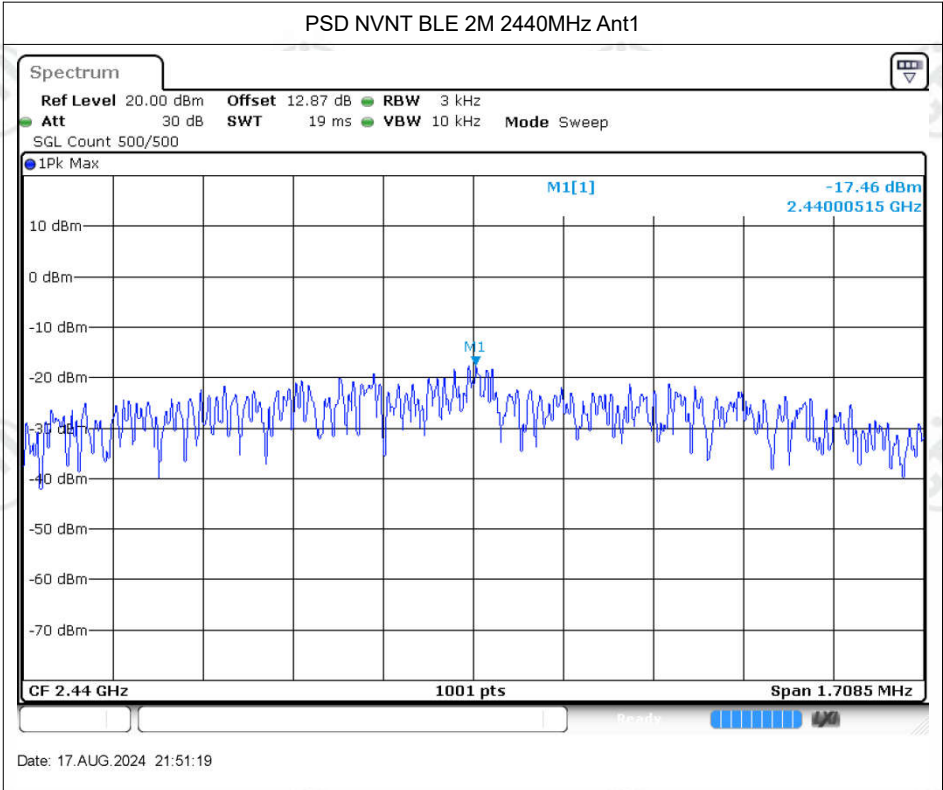


Date: 17.AUG.2024 21:37:23



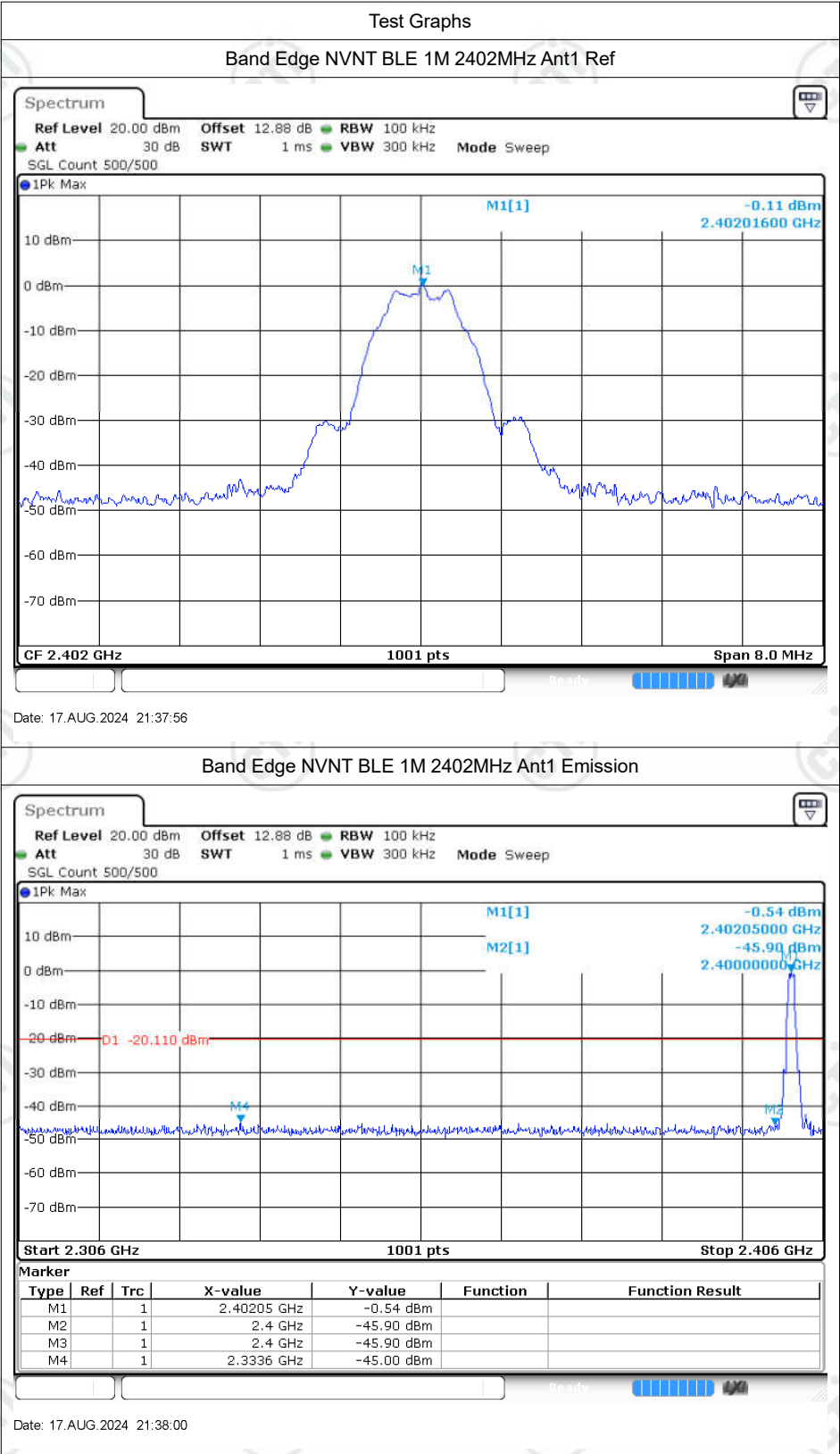
Date: 17.AUG.2024 21:40:12

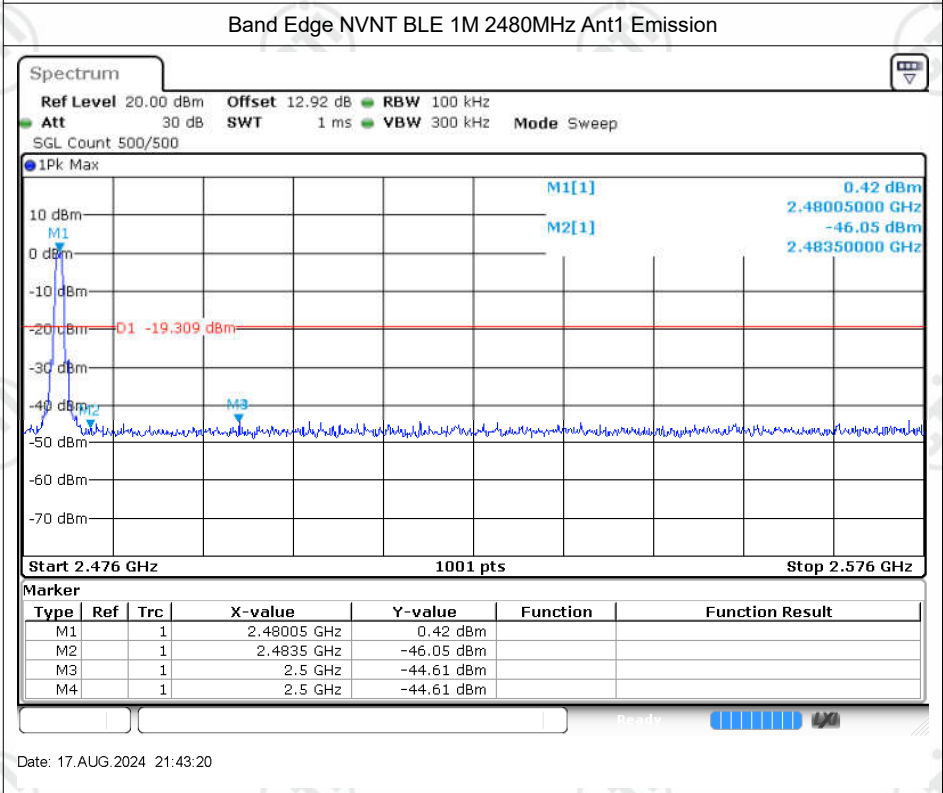
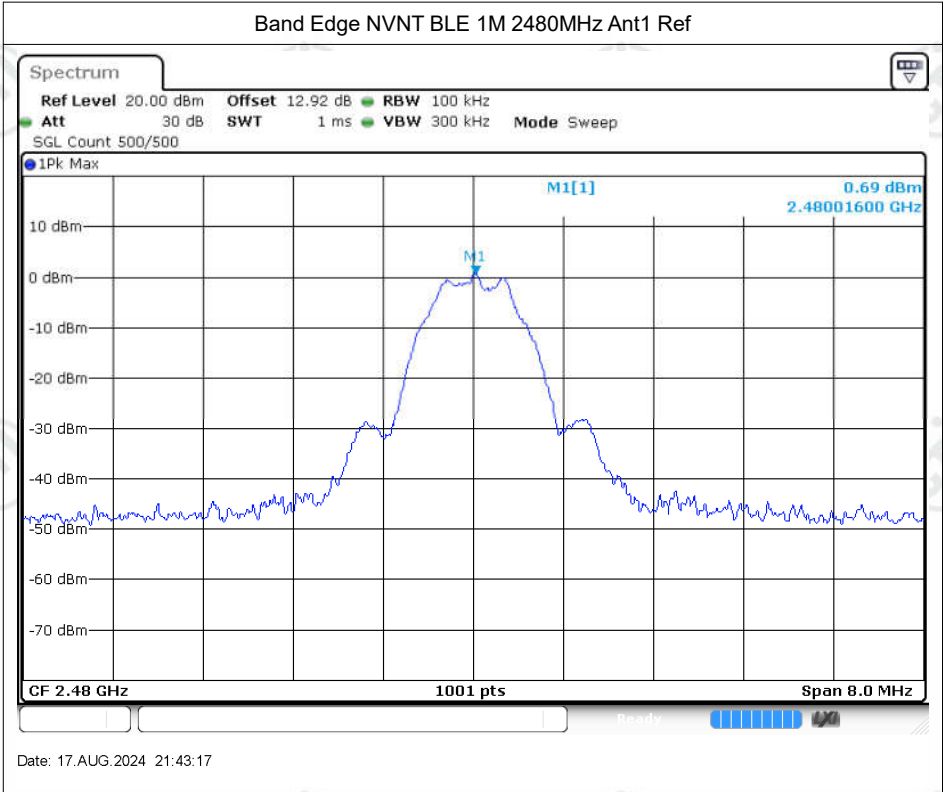


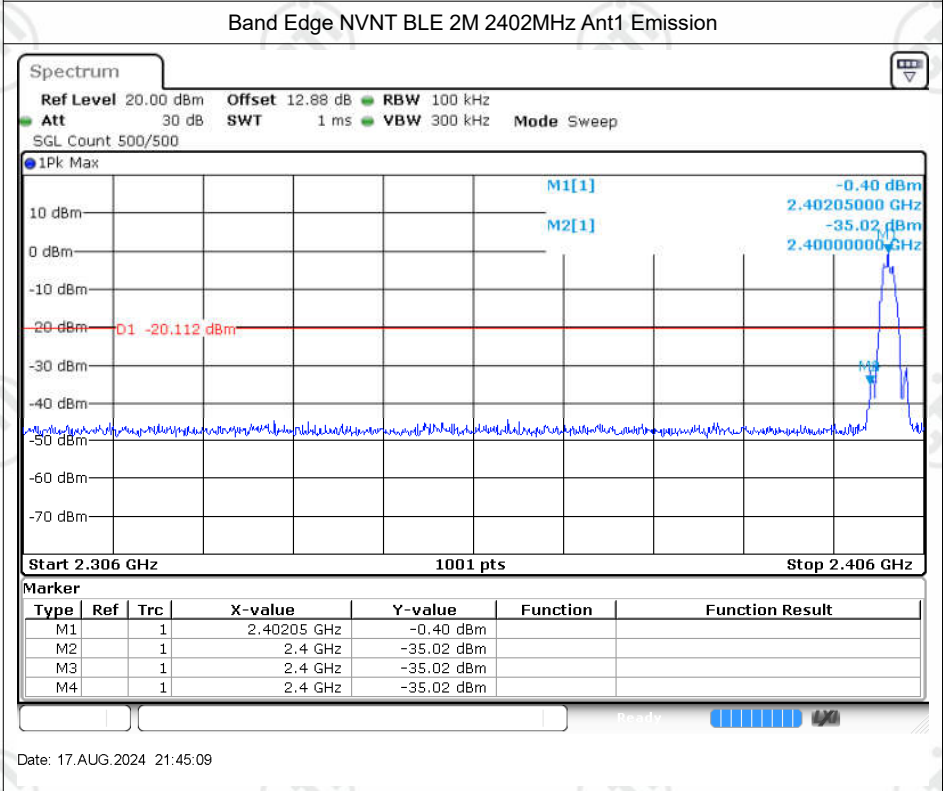
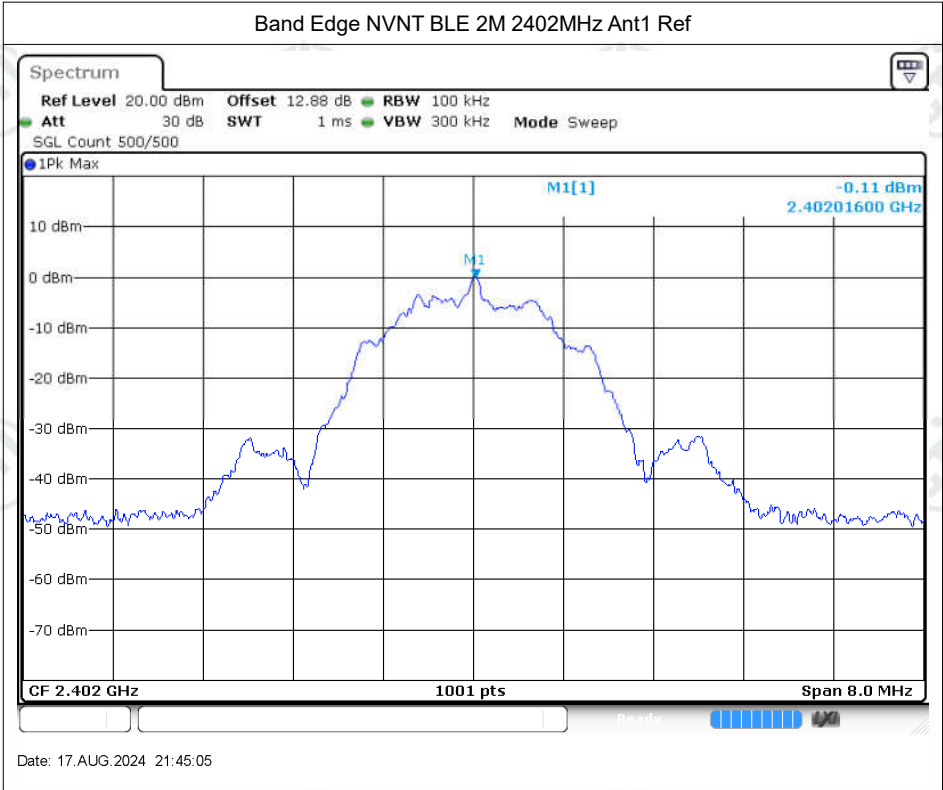


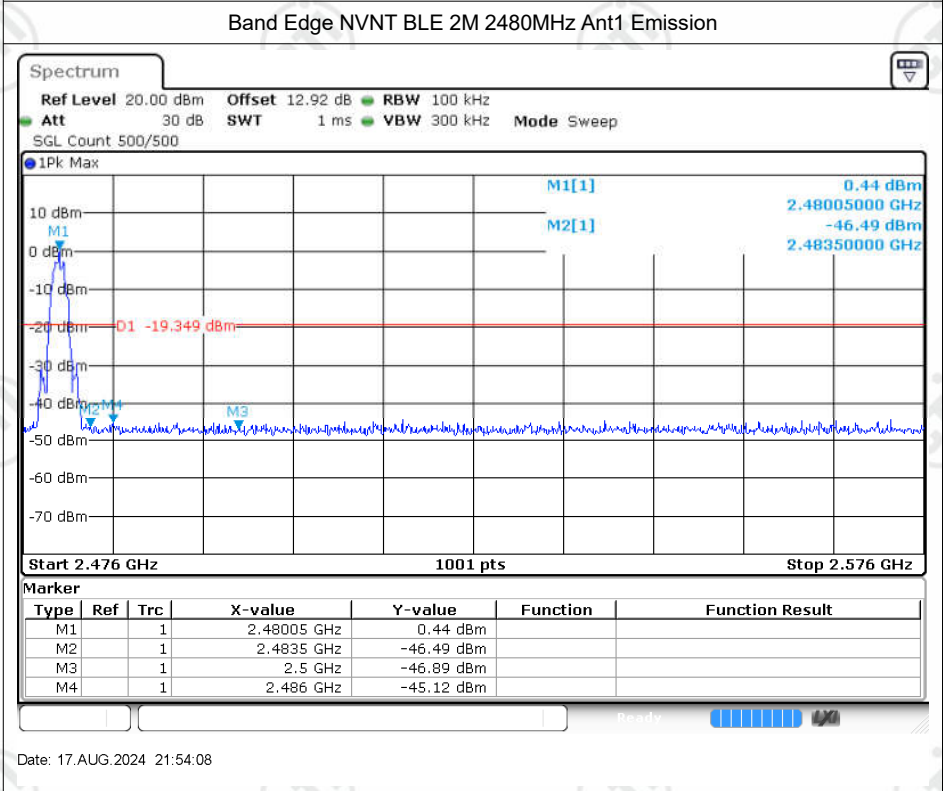
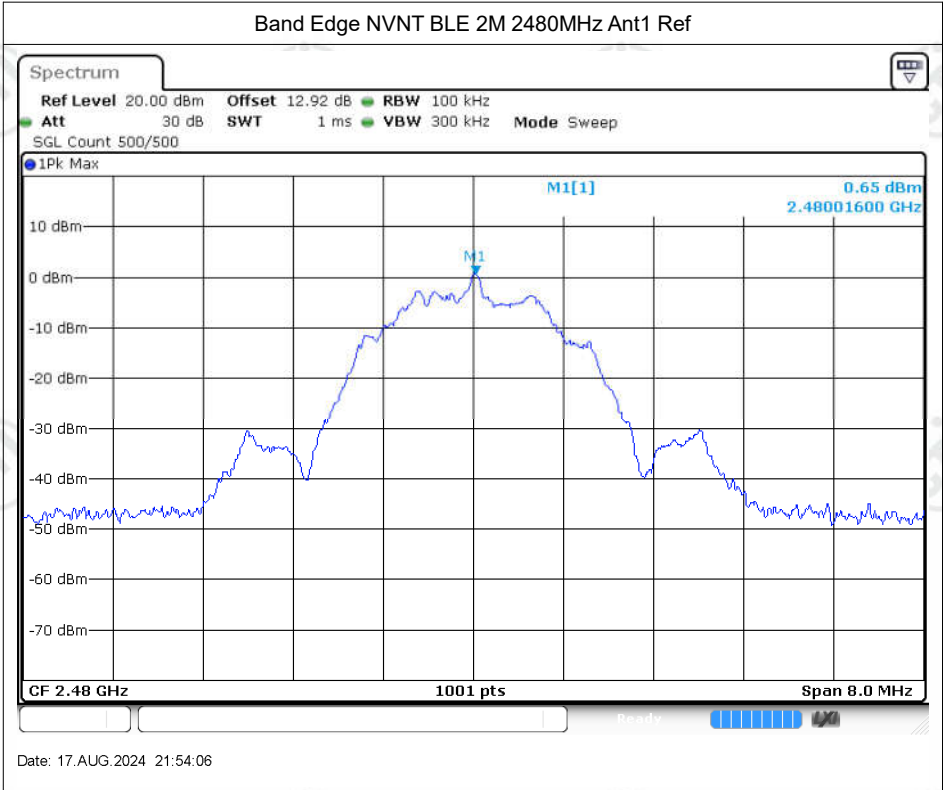
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.88	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.29	-20	Pass
NVNT	BLE 2M	2402	Ant1	-34.91	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.76	-20	Pass



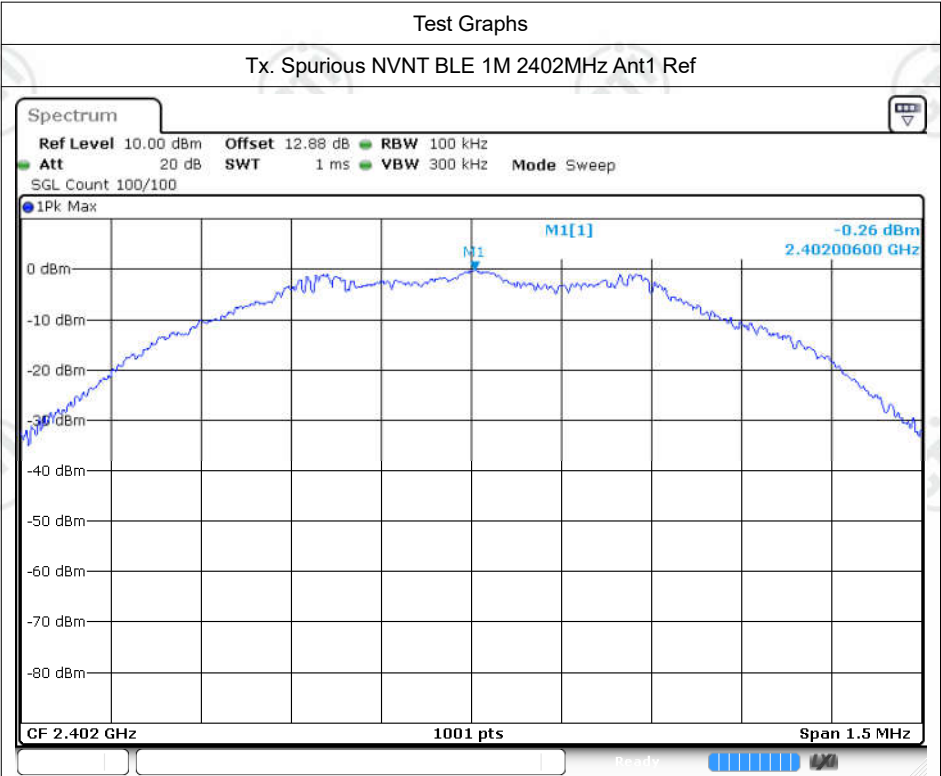




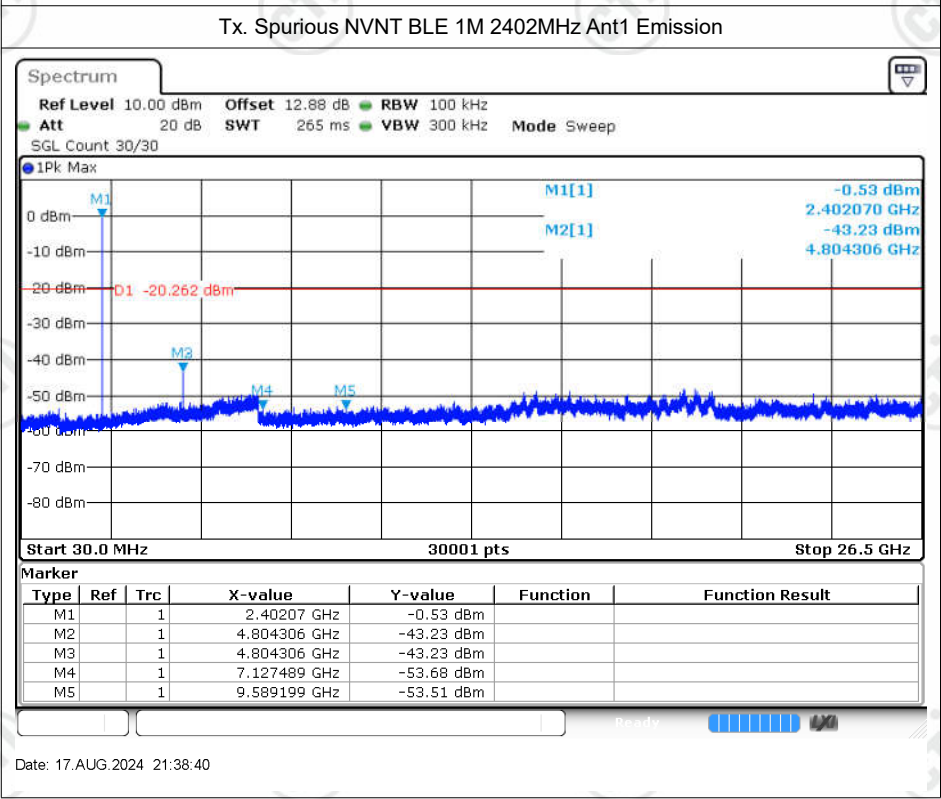


Conducted RF Spurious Emission

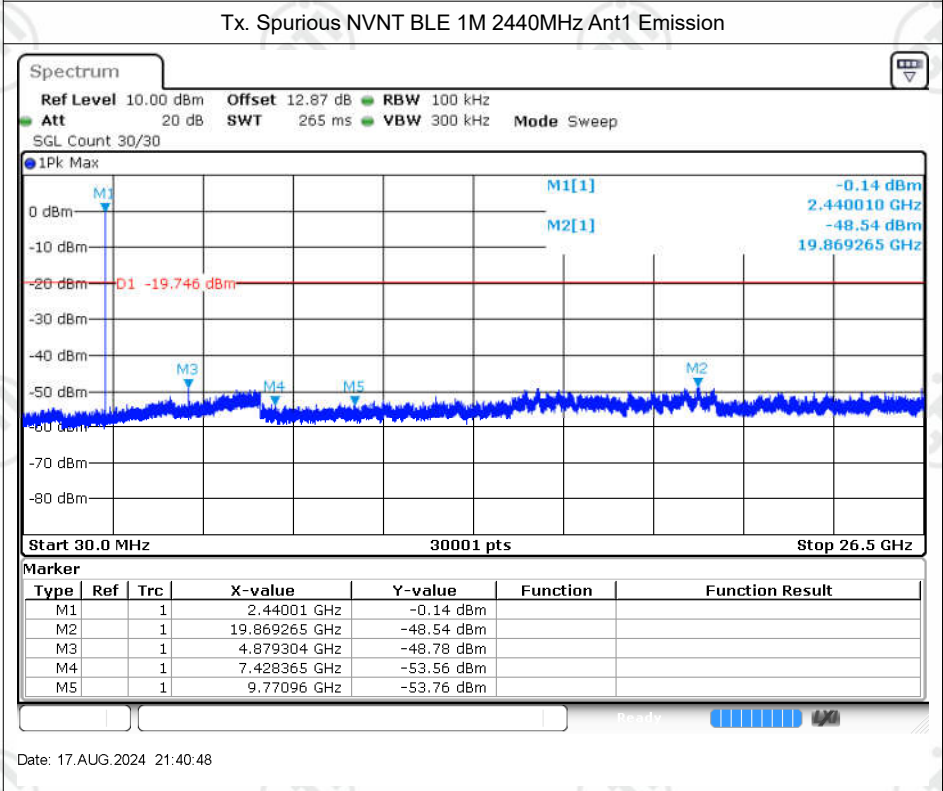
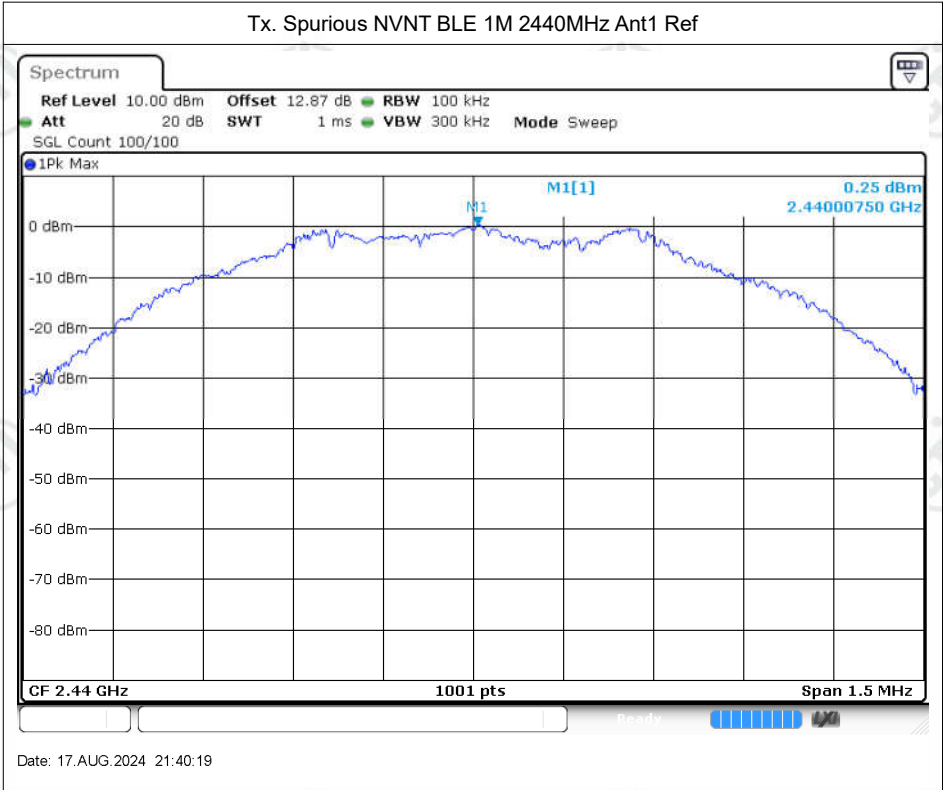
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-42.97	-20	Pass
NVNT	BLE 1M	2440	Ant1	-48.79	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.66	-20	Pass
NVNT	BLE 2M	2402	Ant1	-42.38	-20	Pass
NVNT	BLE 2M	2440	Ant1	-48.44	-20	Pass
NVNT	BLE 2M	2480	Ant1	-48.11	-20	Pass

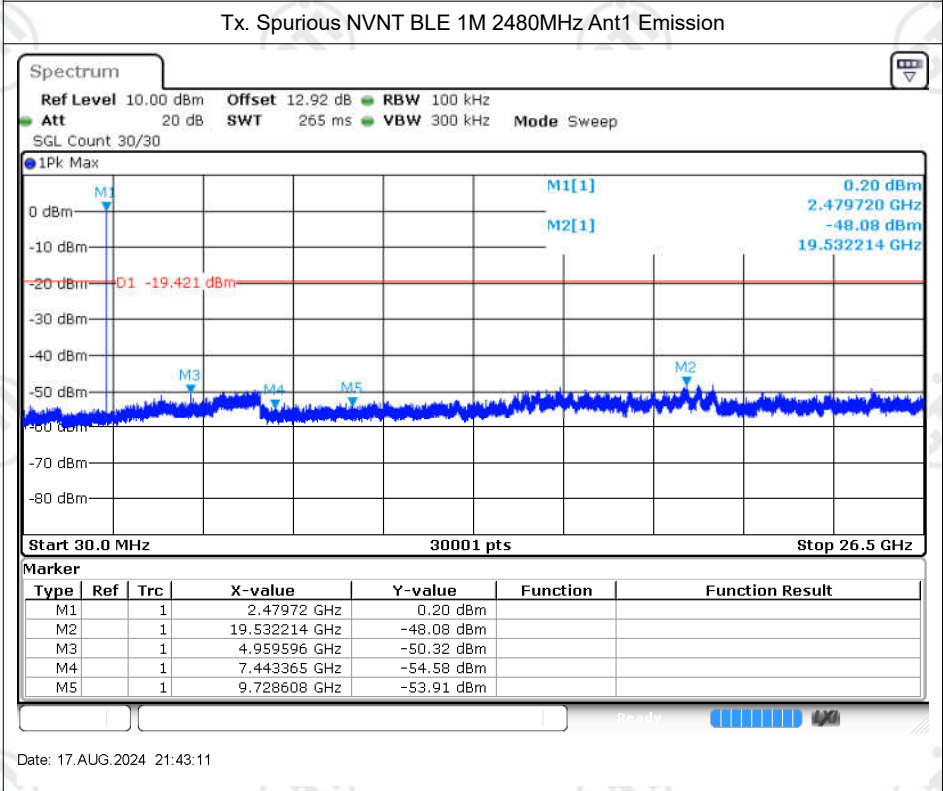
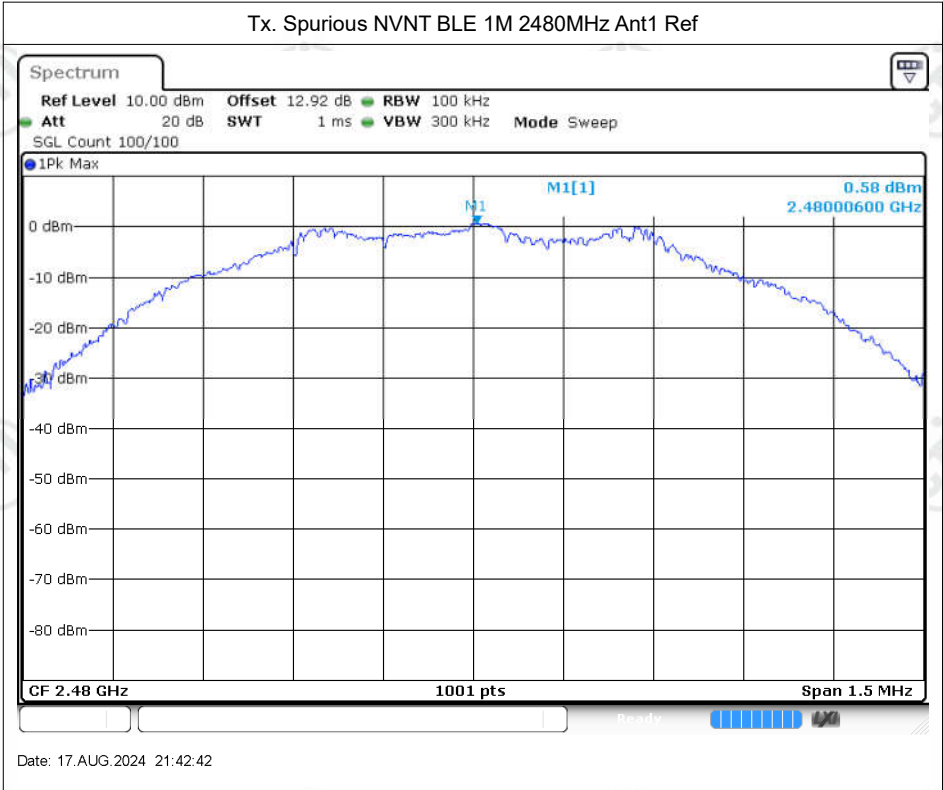


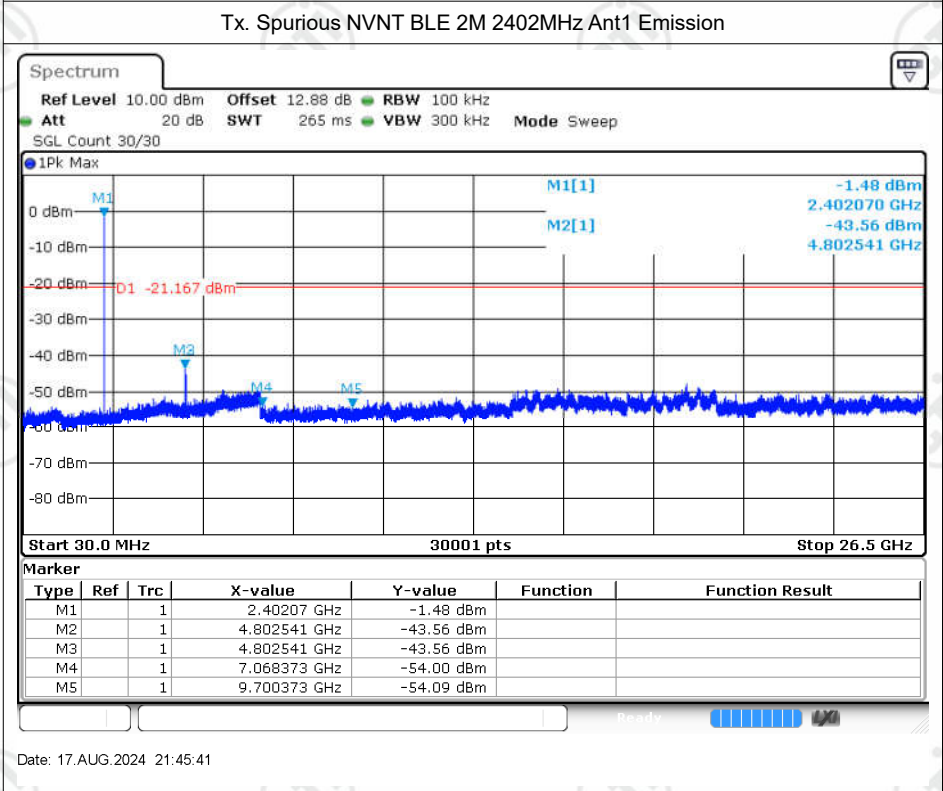
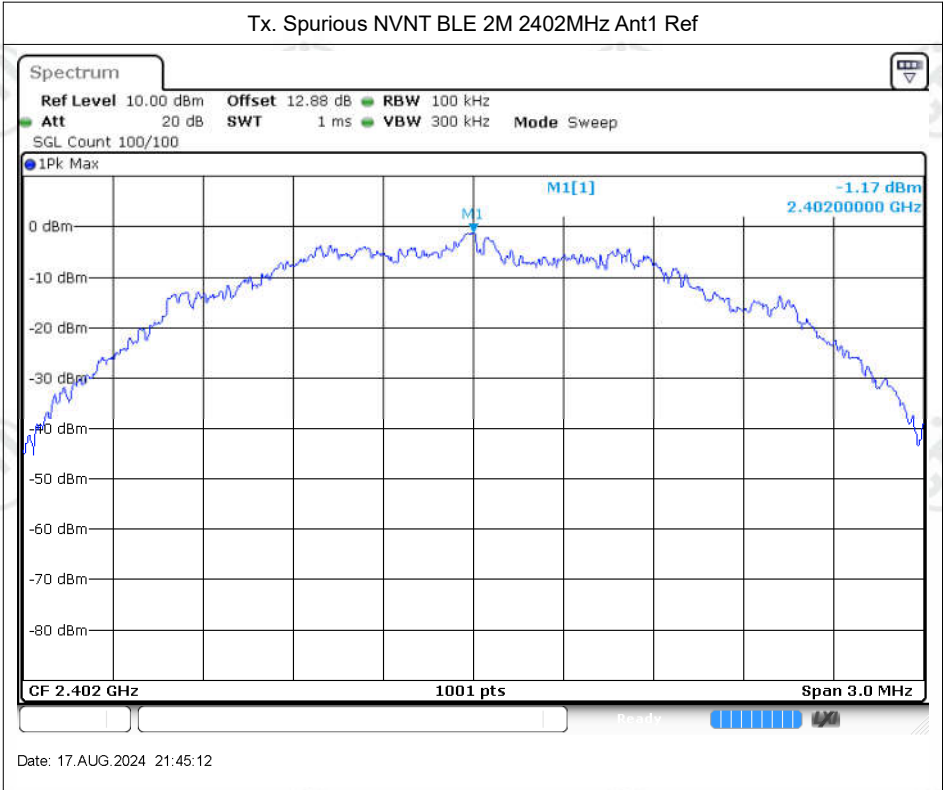
Date: 17.AUG.2024 21:38:11

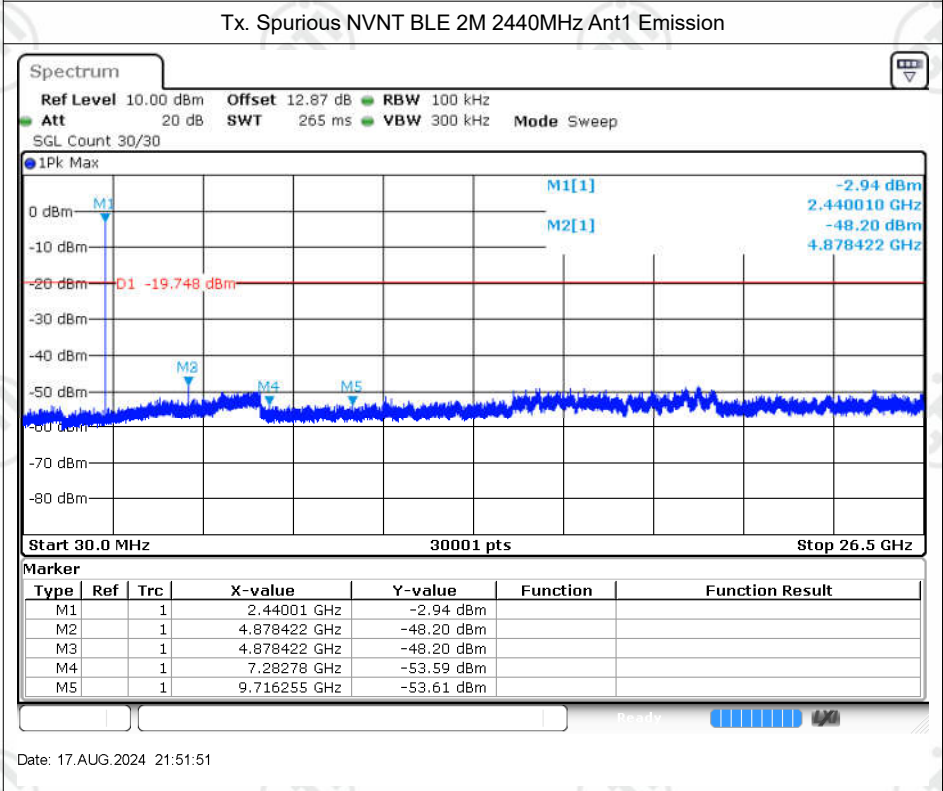
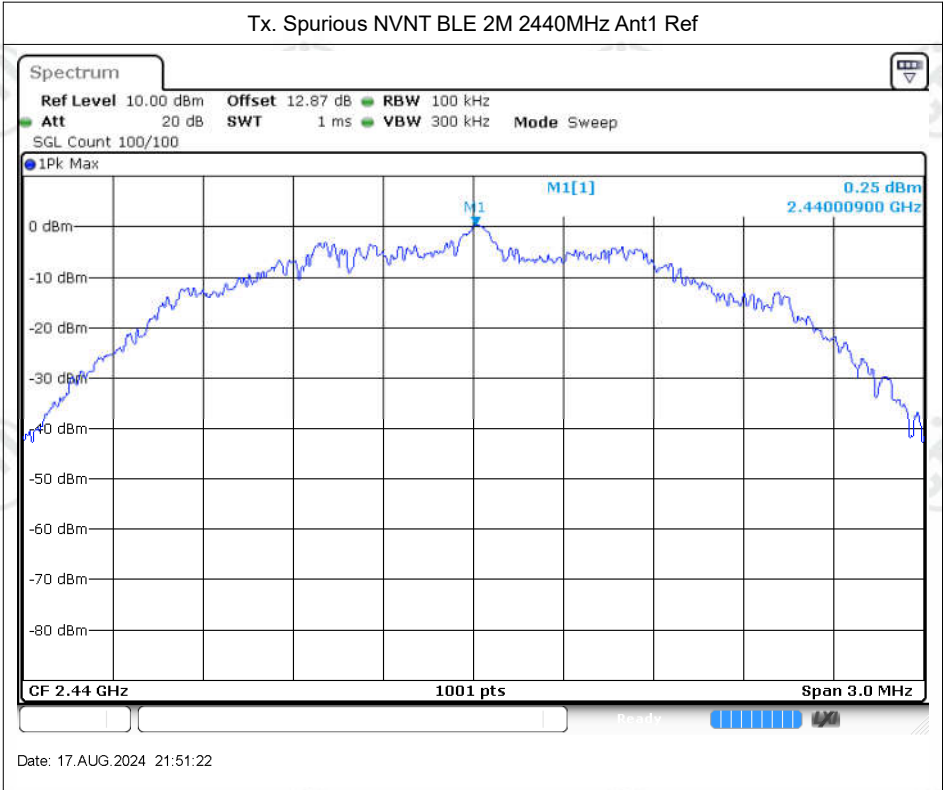


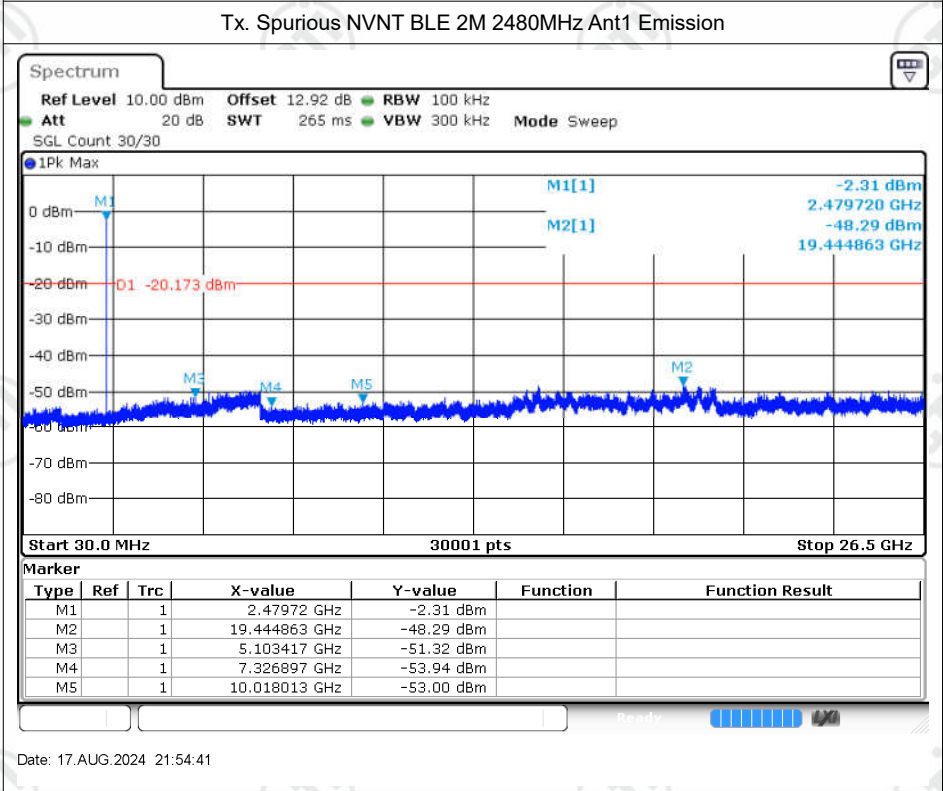
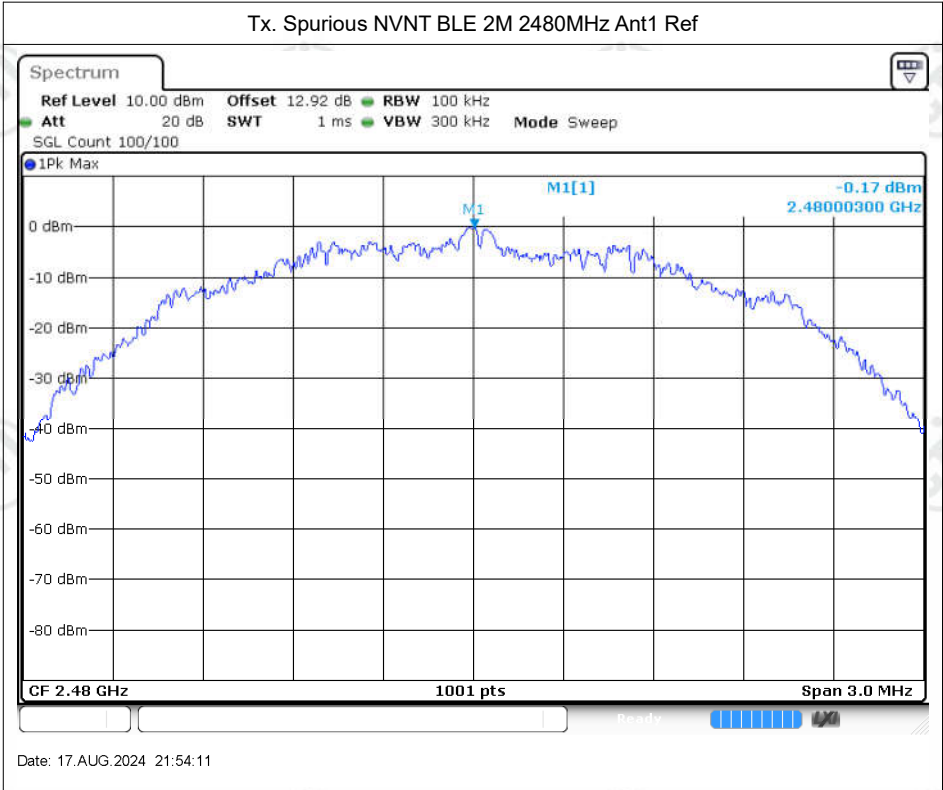
Date: 17.AUG.2024 21:38:40











END OF REPORT