

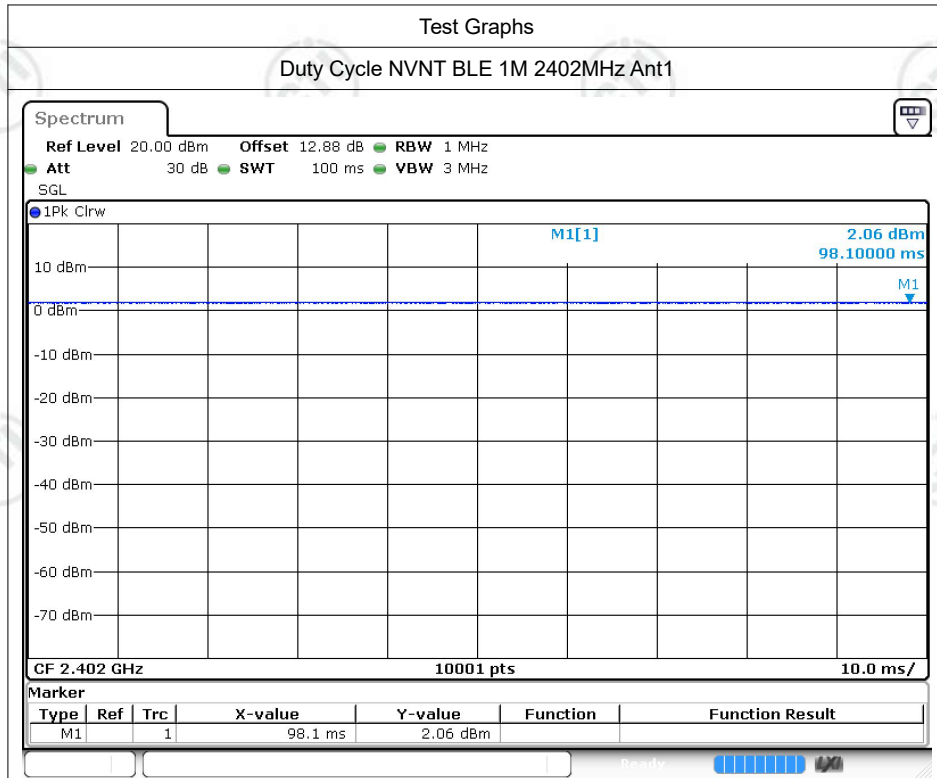
Appendix: Bluetooth LE

Contents

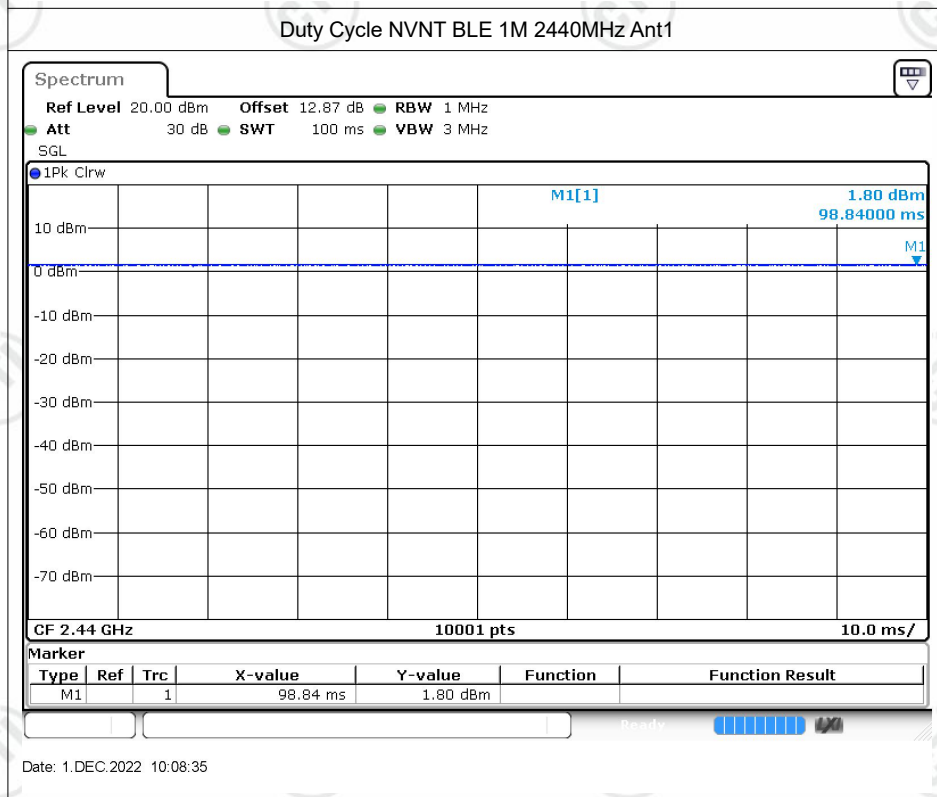
Contents	2
Duty Cycle	3
Maximum Peak Conducted Output Power	7
-6dB Bandwidth	11
Occupied Channel Bandwidth	15
Maximum Power Spectral Density Level	19
Band Edge	23
Conducted RF Spurious Emission	28

Duty Cycle

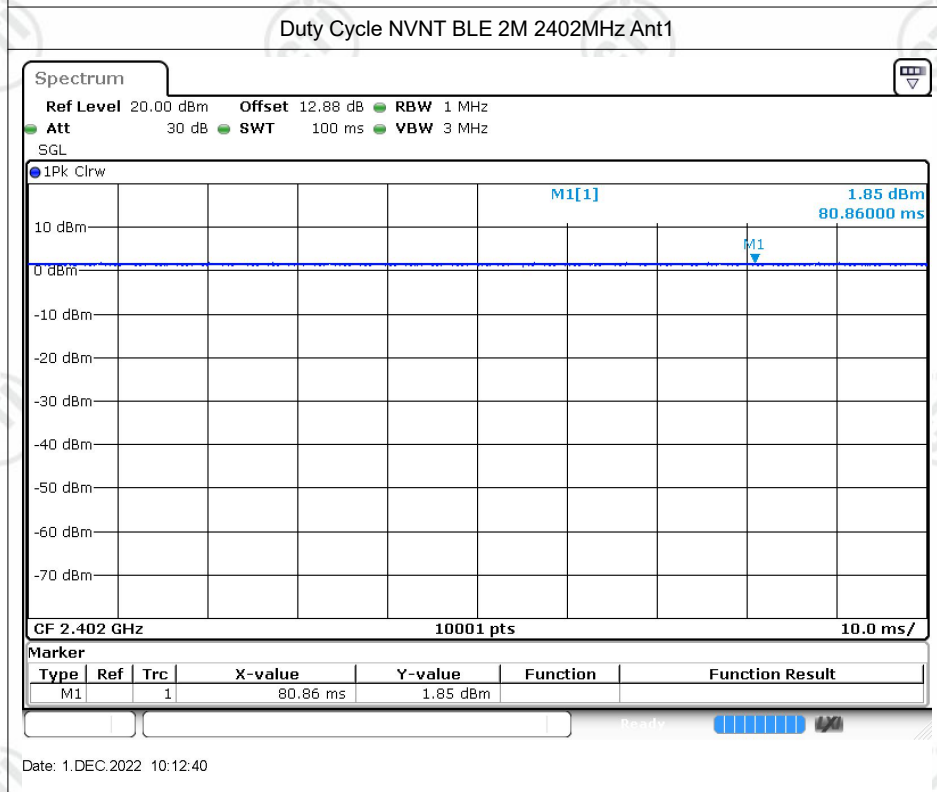
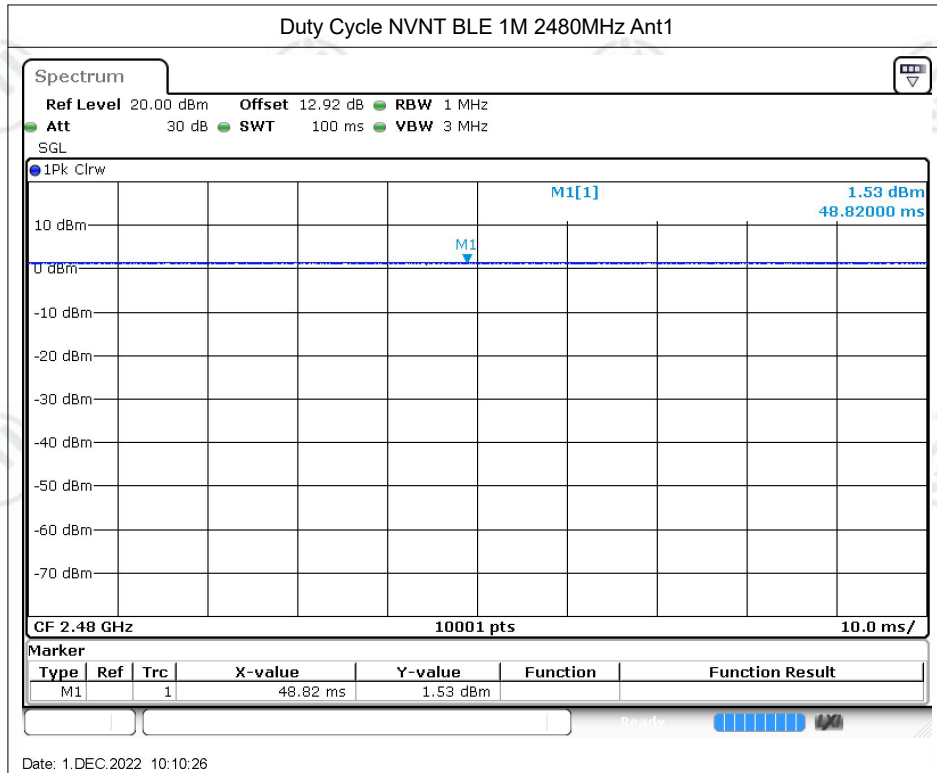
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0
NVNT	BLE 2M	2402	Ant1	100	0	0
NVNT	BLE 2M	2440	Ant1	100	0	0
NVNT	BLE 2M	2480	Ant1	100	0	0

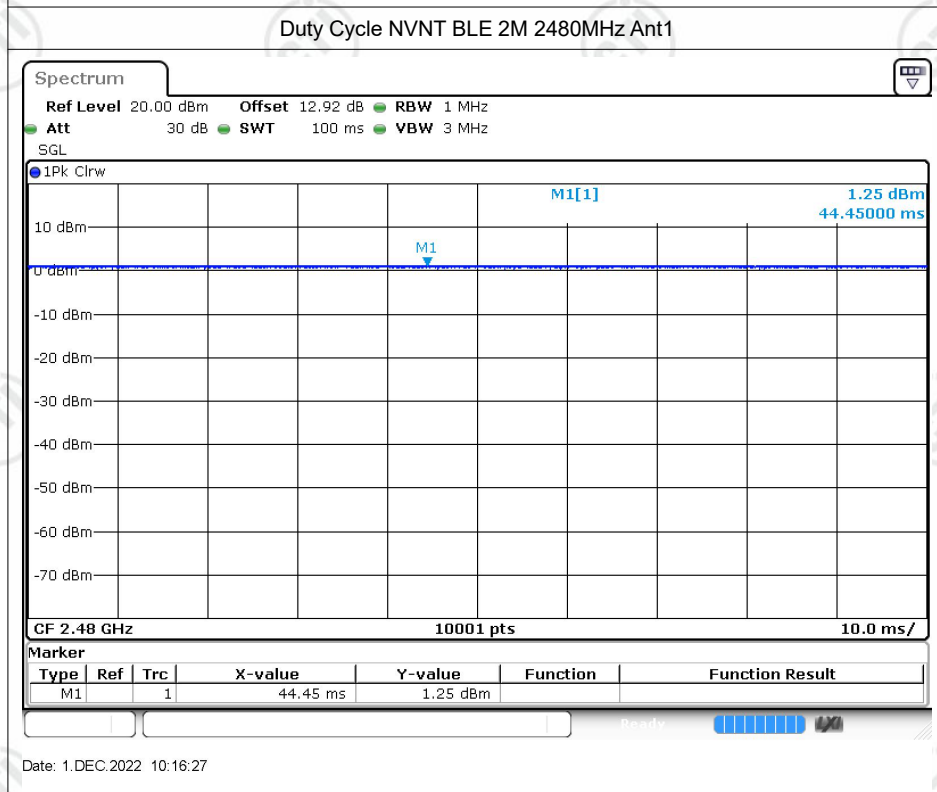
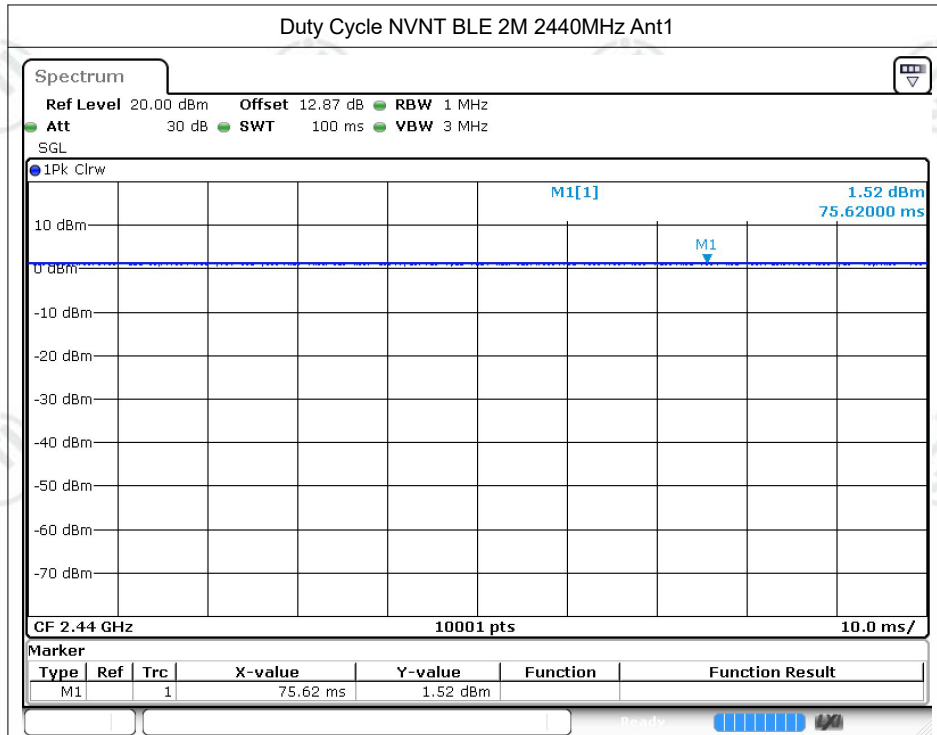


Date: 1.DEC.2022 10:05:49



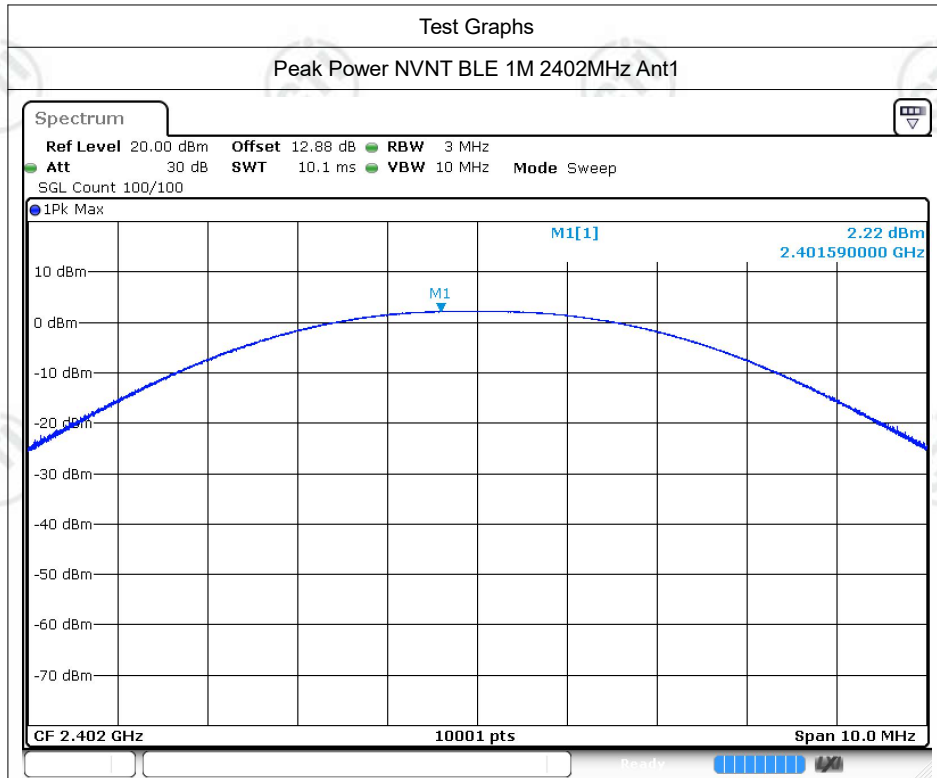
Date: 1.DEC.2022 10:08:35



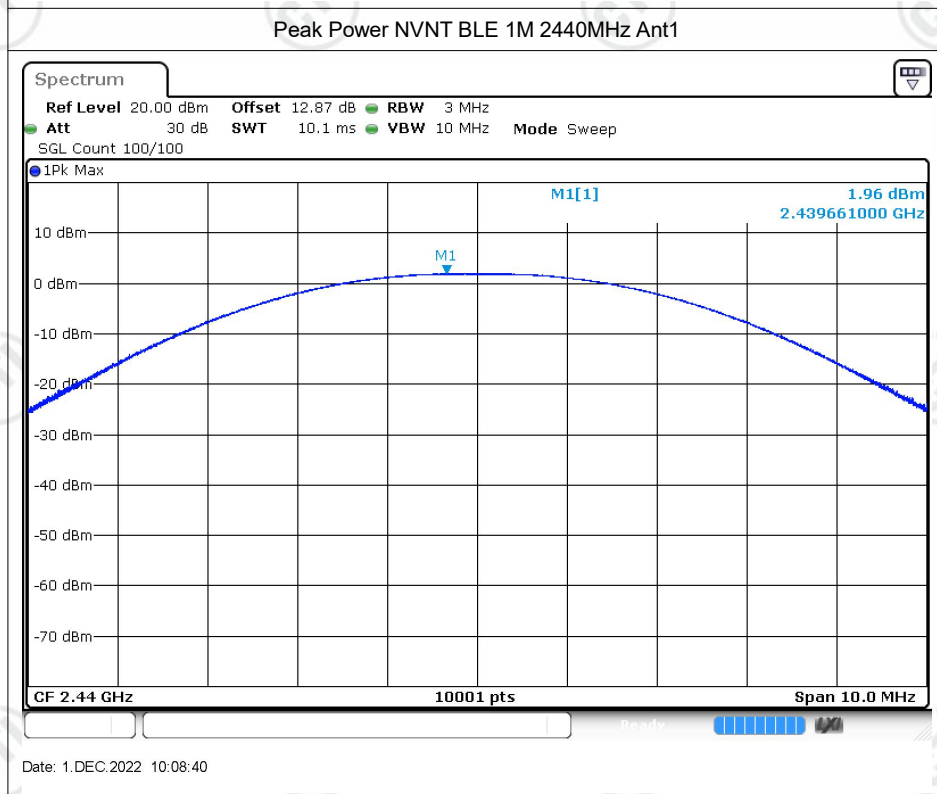


Maximum Peak Conducted Output Power

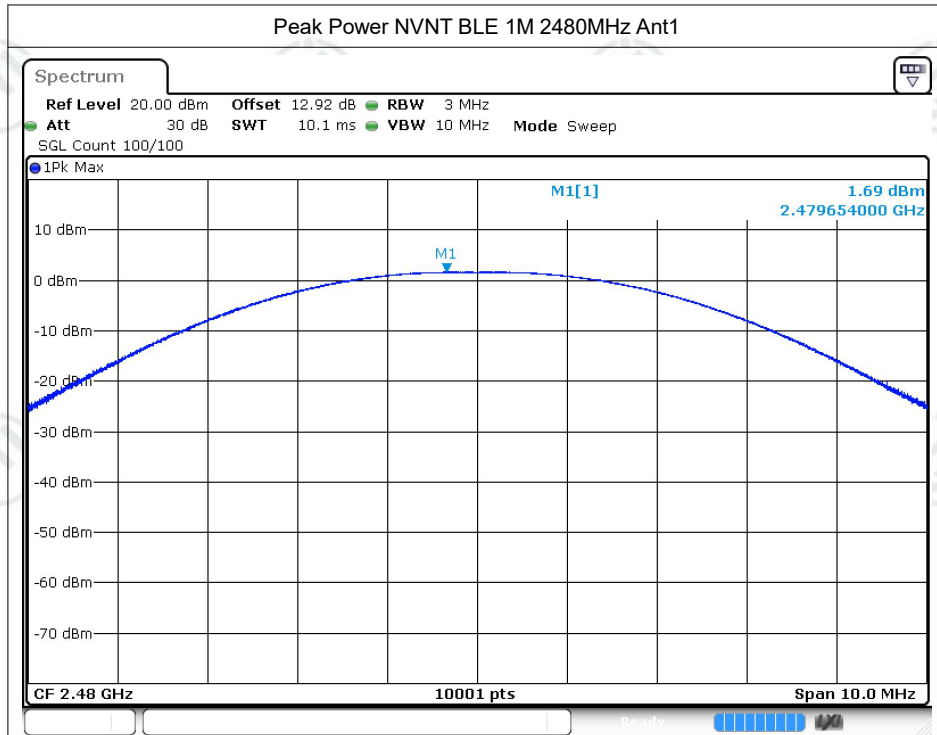
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.22	0	2.22	30	Pass
NVNT	BLE 1M	2440	Ant1	1.96	0	1.96	30	Pass
NVNT	BLE 1M	2480	Ant1	1.69	0	1.69	30	Pass
NVNT	BLE 2M	2402	Ant1	2.22	0	2.22	30	Pass
NVNT	BLE 2M	2440	Ant1	1.94	0	1.94	30	Pass
NVNT	BLE 2M	2480	Ant1	1.63	0	1.63	30	Pass



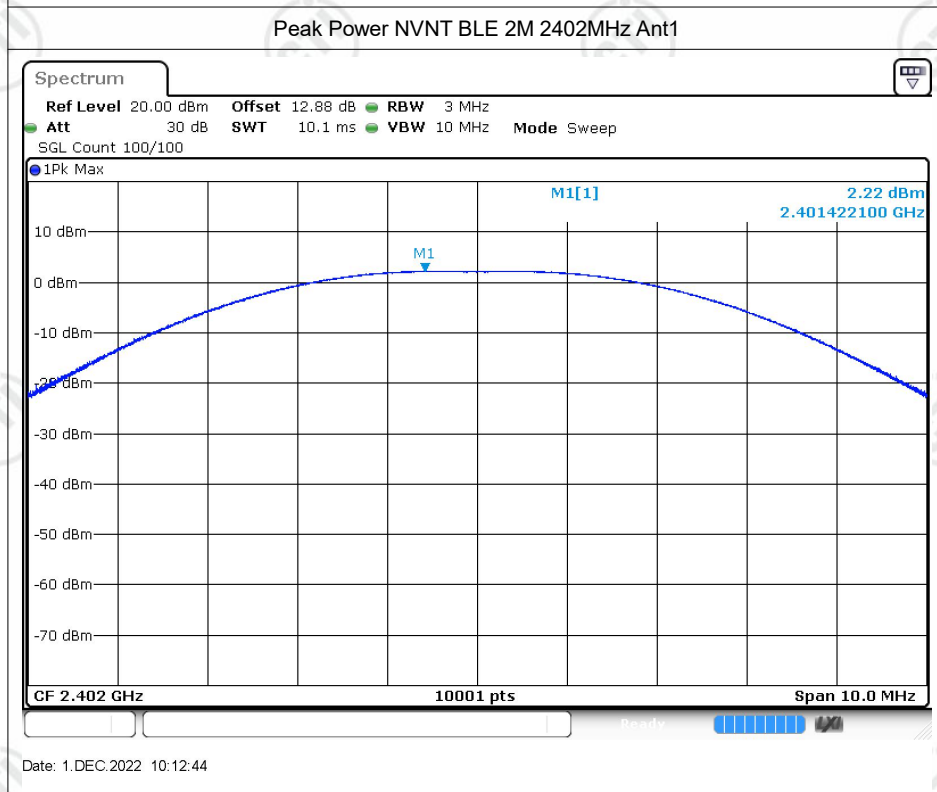
Date: 1.DEC.2022 10:05:53



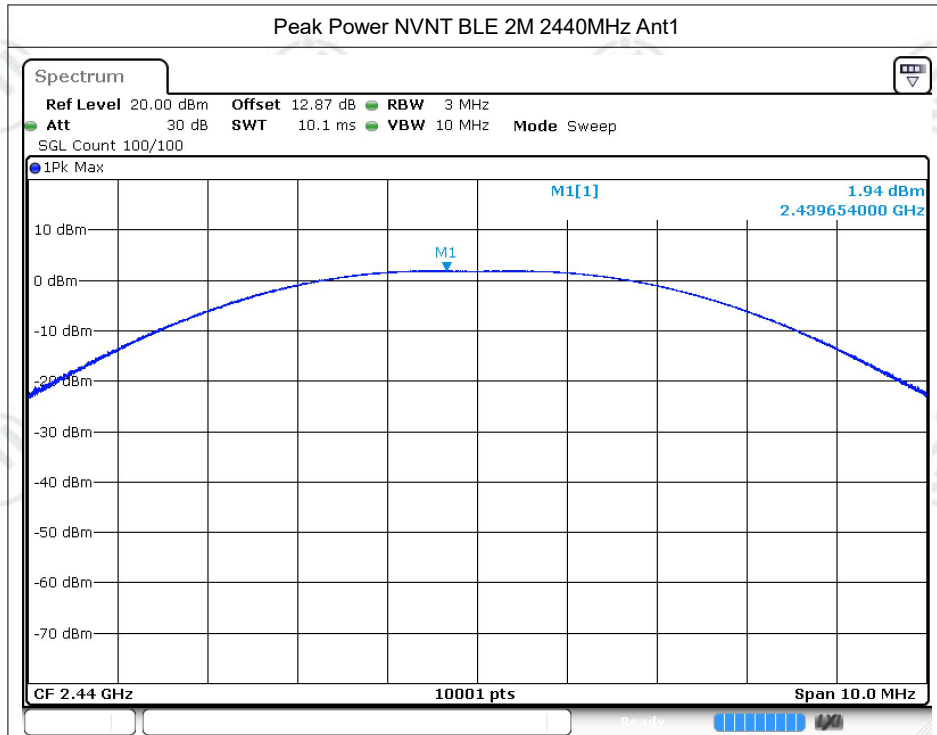
Date: 1.DEC.2022 10:08:40



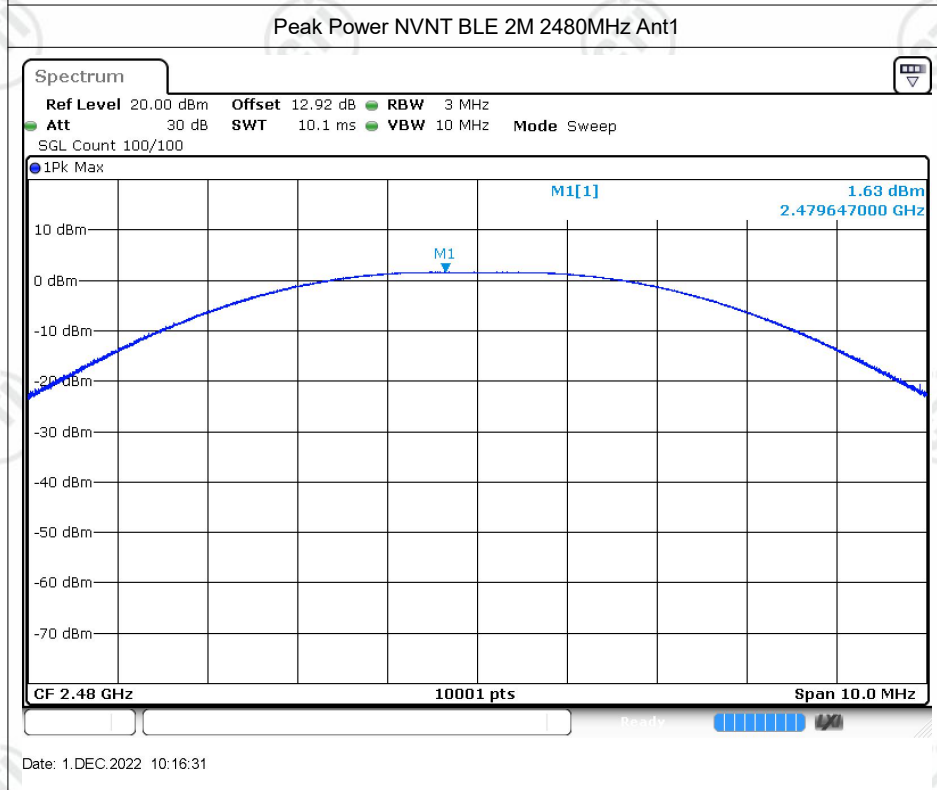
Date: 1.DEC.2022 10:10:31



Date: 1.DEC.2022 10:12:44



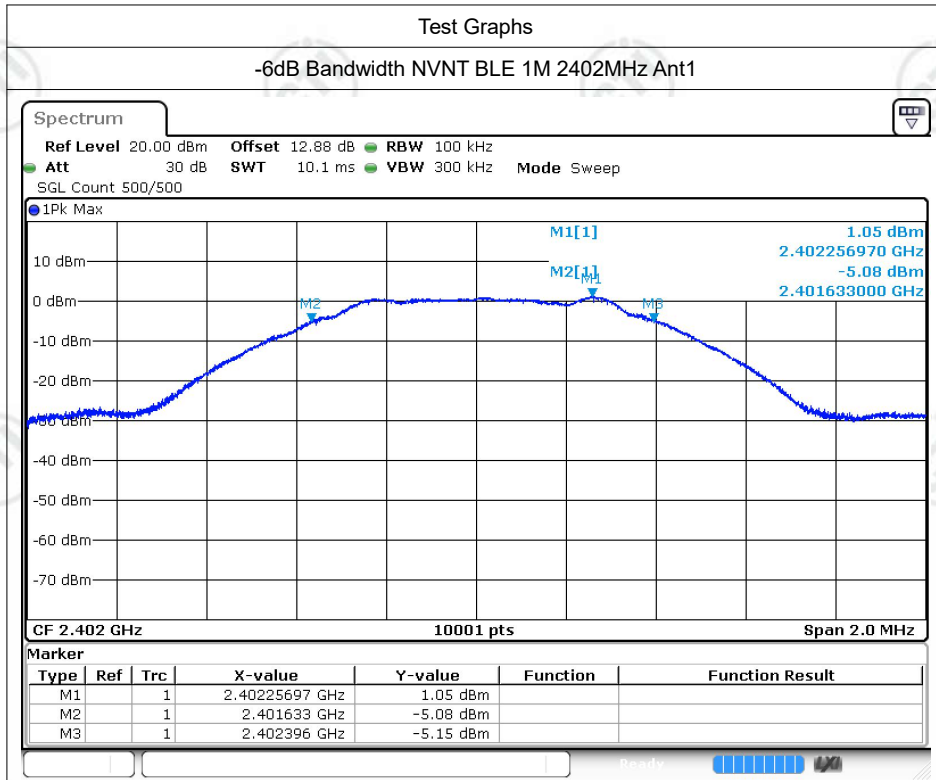
Date: 1.DEC.2022 10:14:49



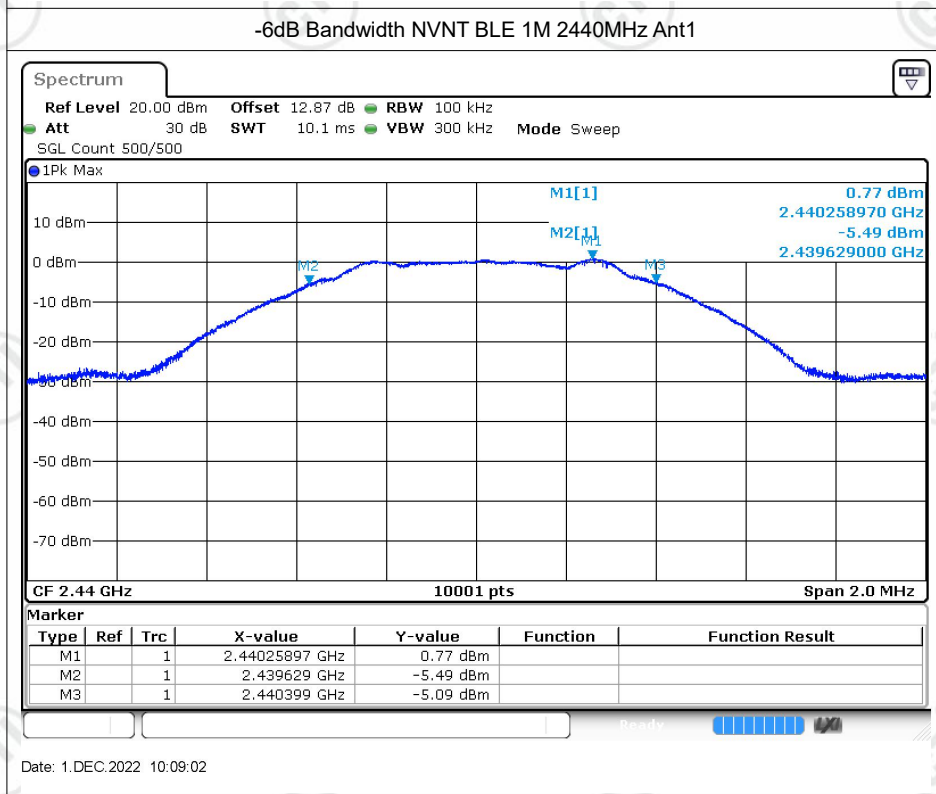
Date: 1.DEC.2022 10:16:31

-6dB Bandwidth

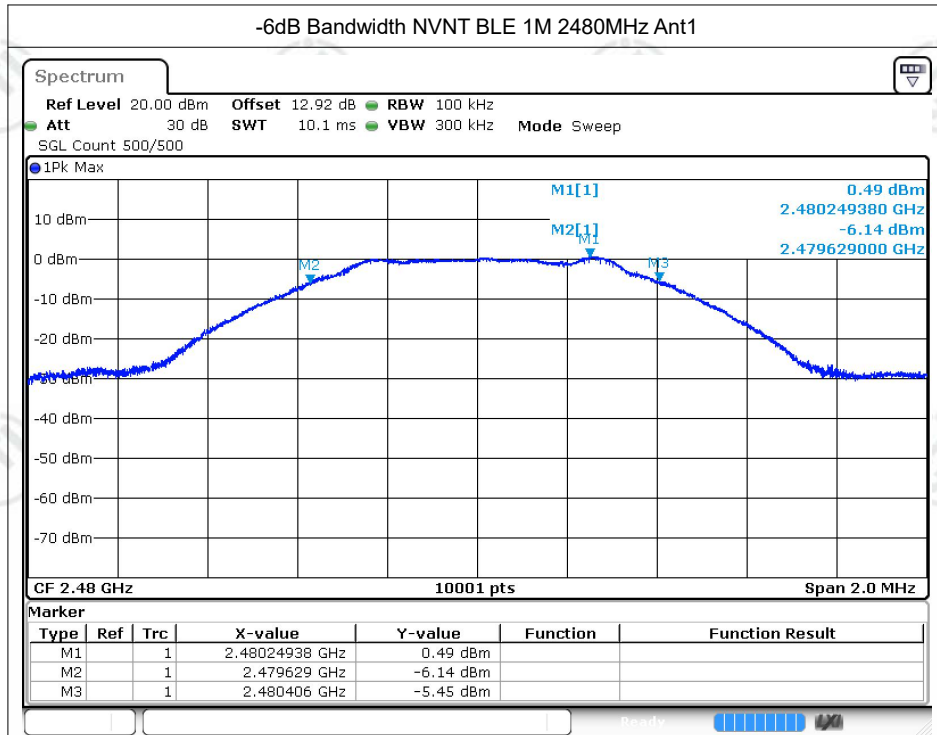
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.763	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.77	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.777	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.387	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.396	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.39	0.5	Pass



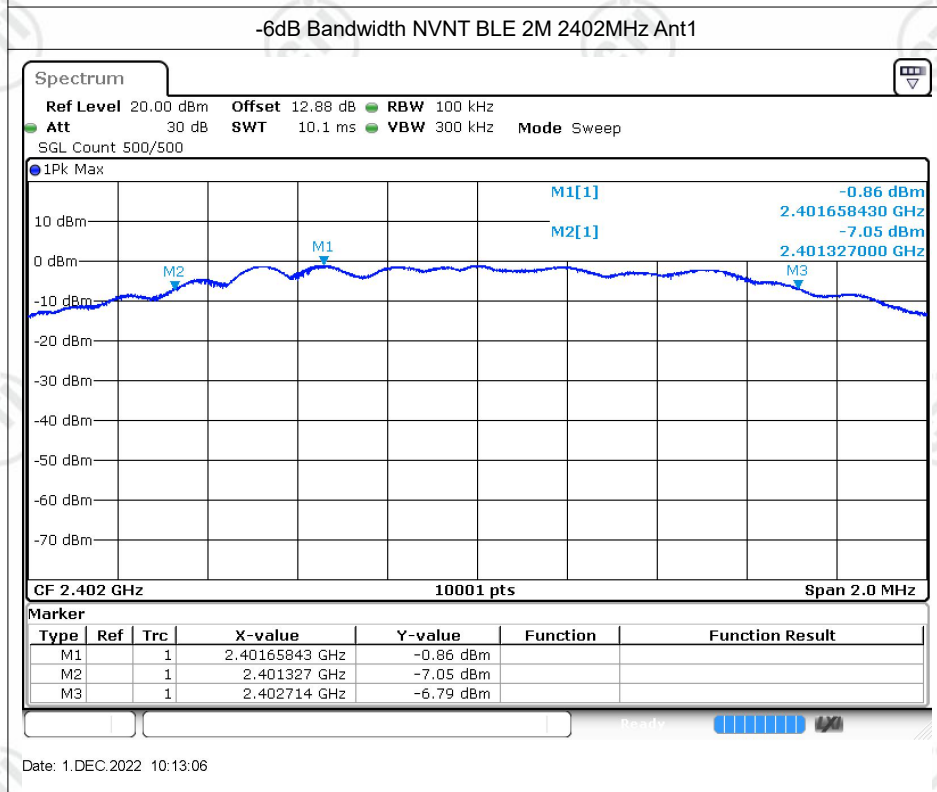
Date: 1.DEC.2022 10:06:15



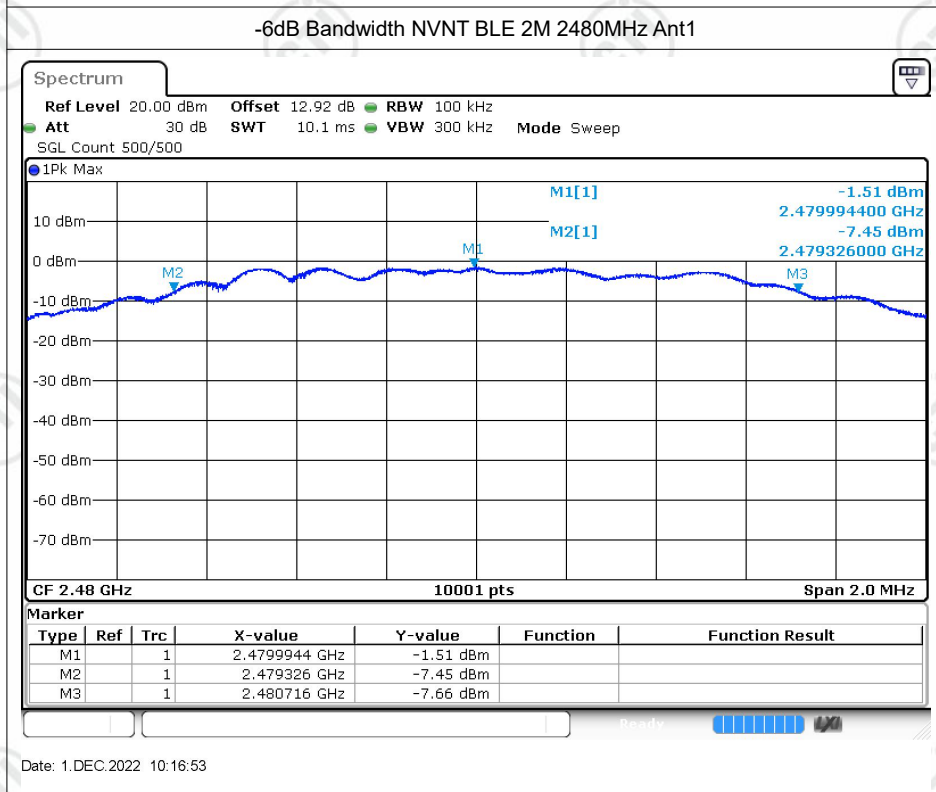
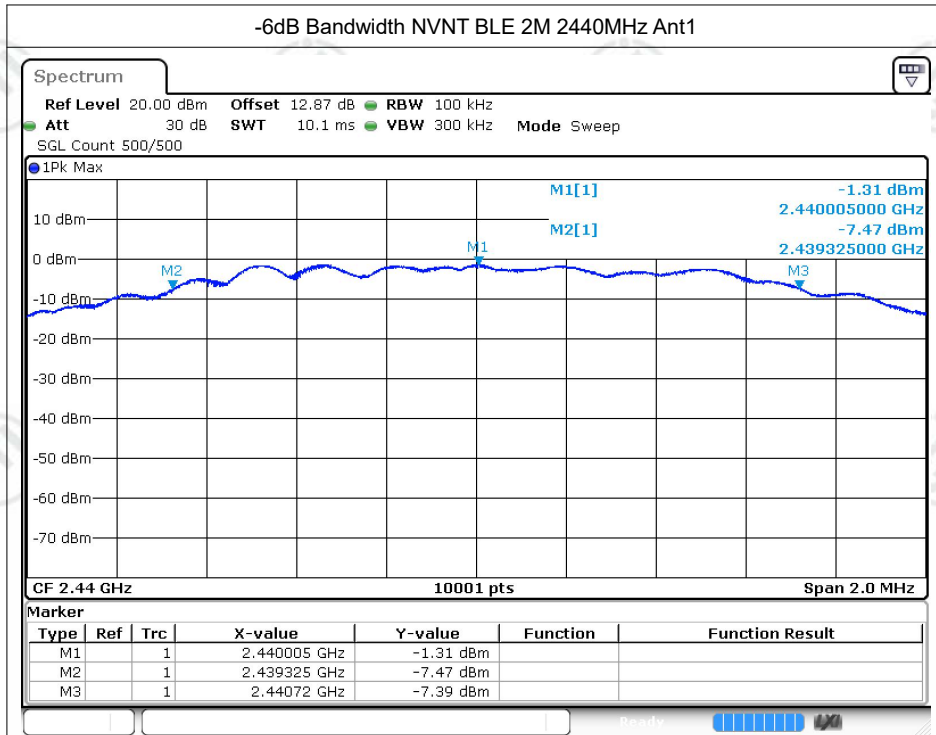
Date: 1.DEC.2022 10:09:02



Date: 1.DEC.2022 10:10:53

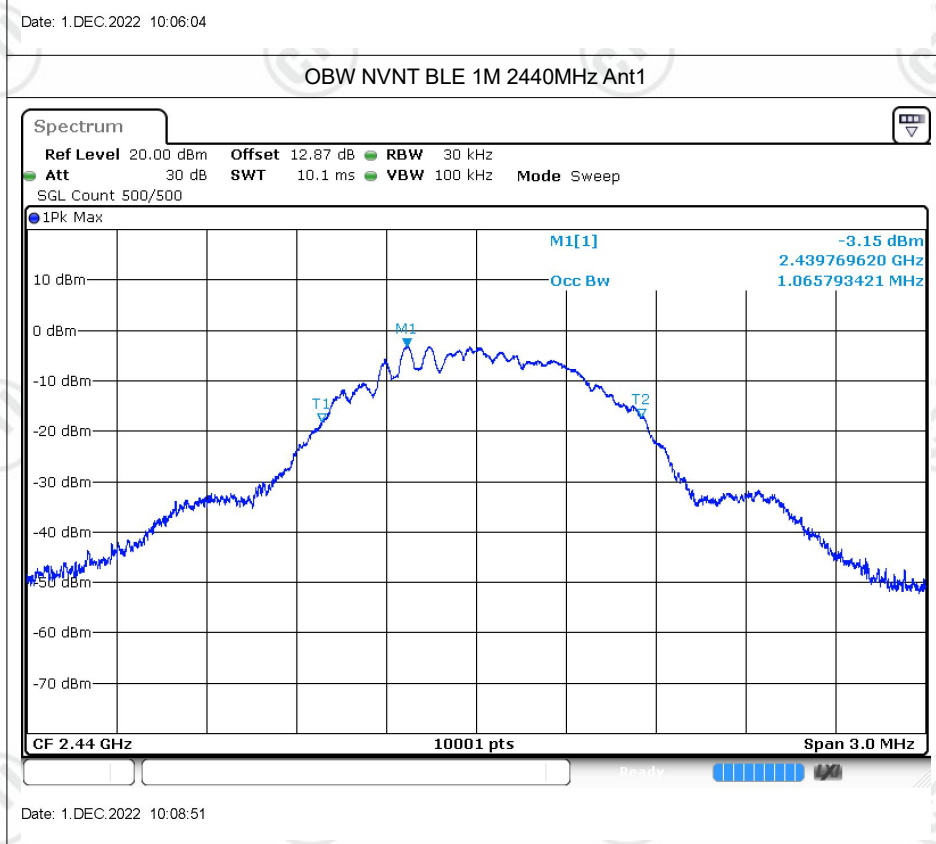
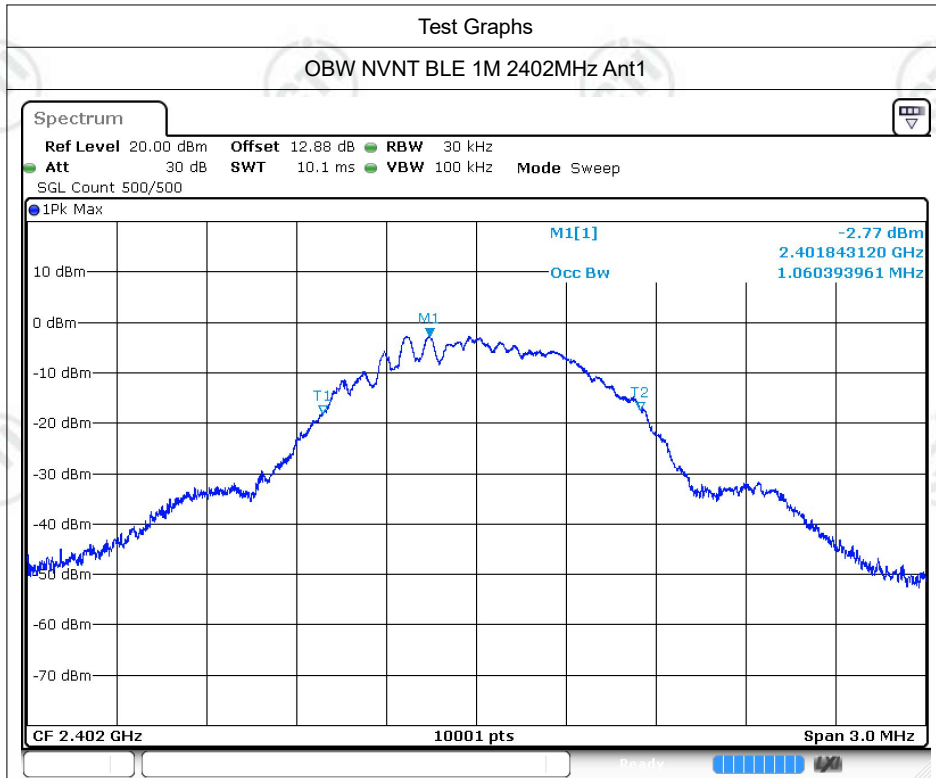


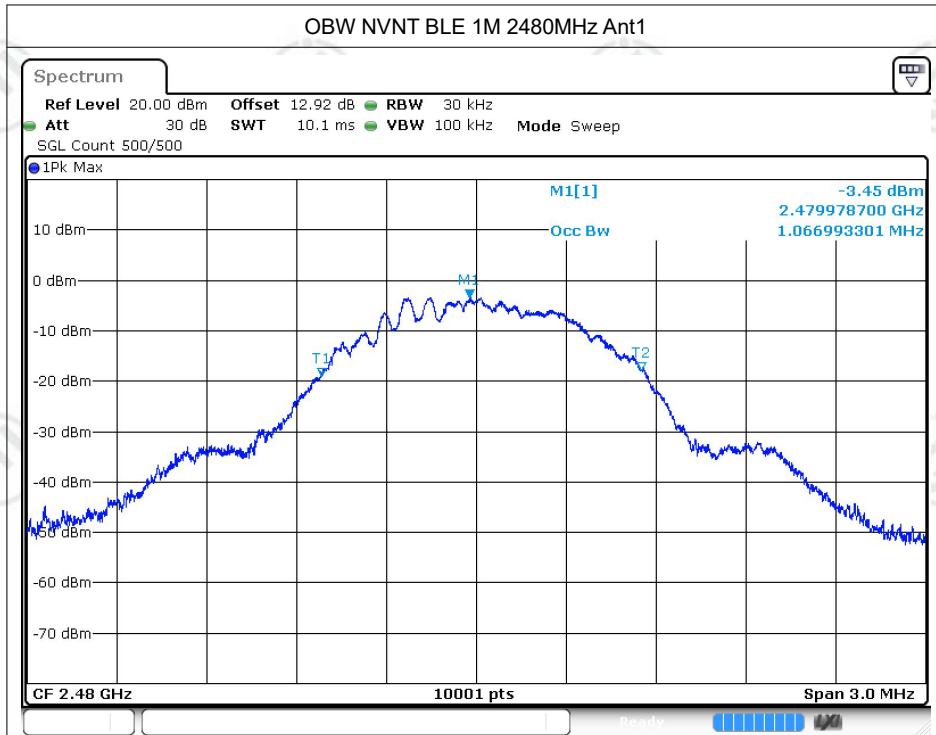
Date: 1.DEC.2022 10:13:06



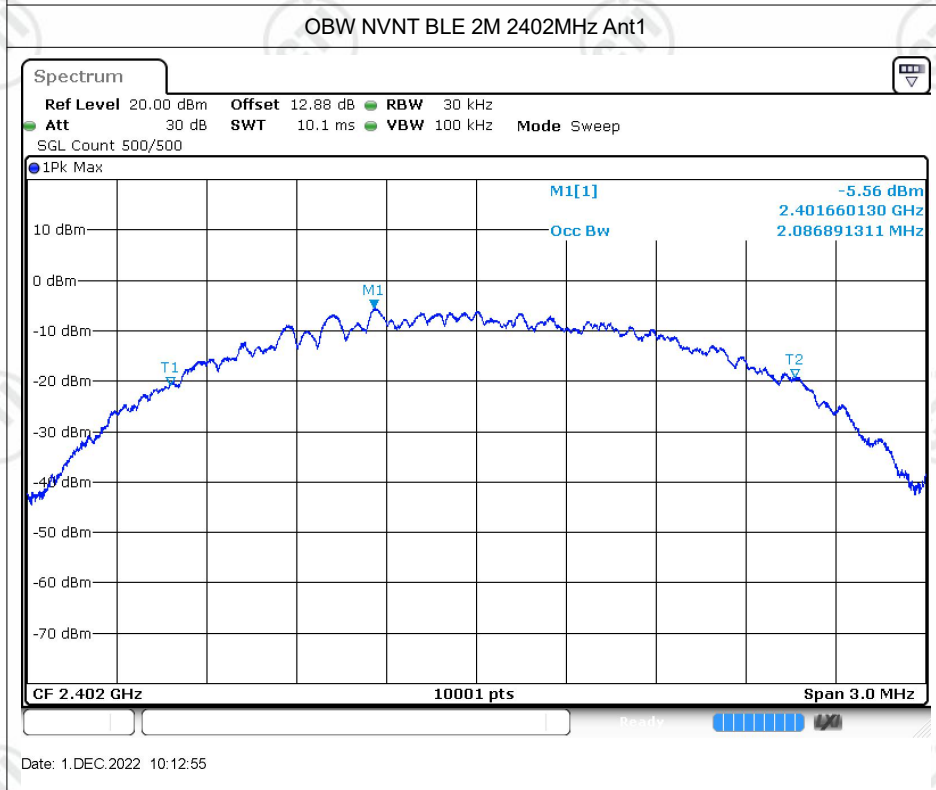
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.06
NVNT	BLE 1M	2440	Ant1	1.066
NVNT	BLE 1M	2480	Ant1	1.067
NVNT	BLE 2M	2402	Ant1	2.087
NVNT	BLE 2M	2440	Ant1	2.087
NVNT	BLE 2M	2480	Ant1	2.088

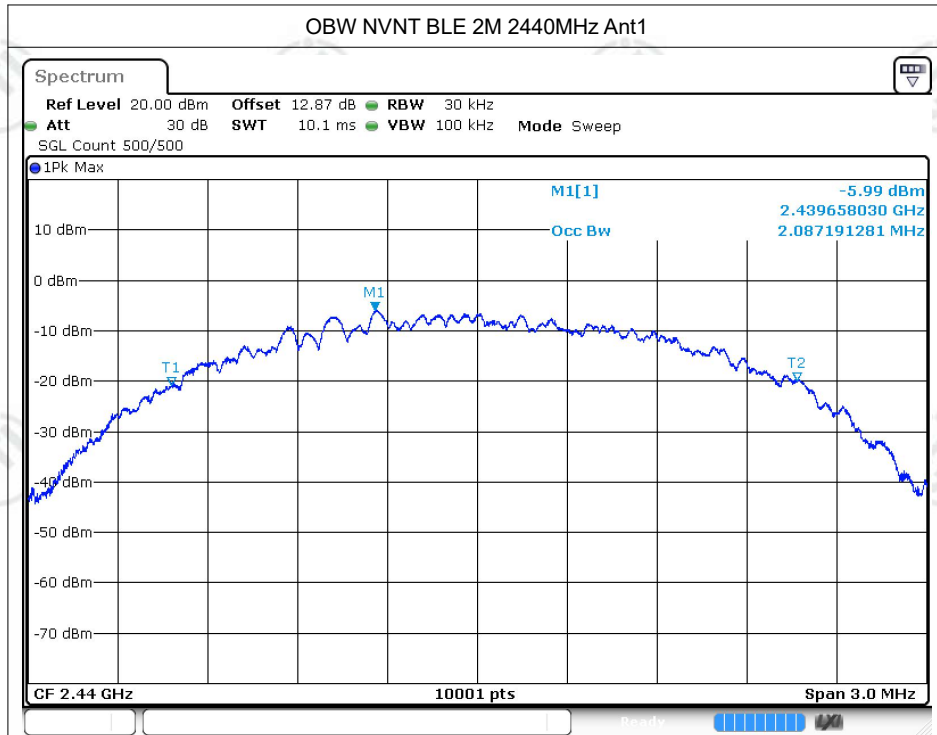




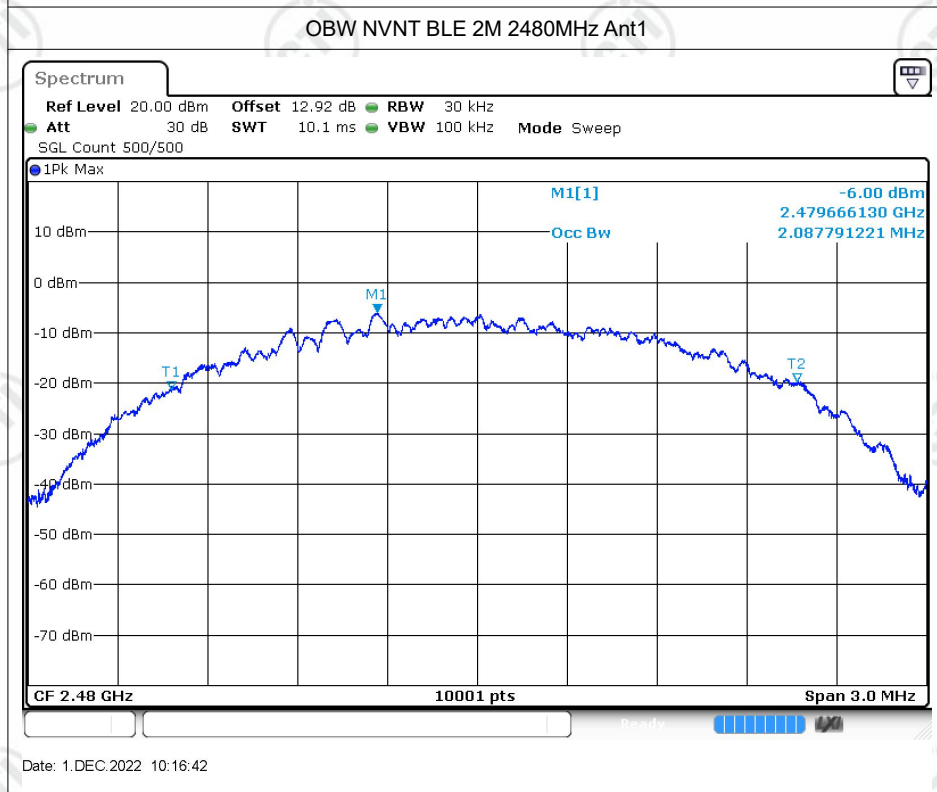
Date: 1.DEC.2022 10:10:42



Date: 1.DEC.2022 10:12:55



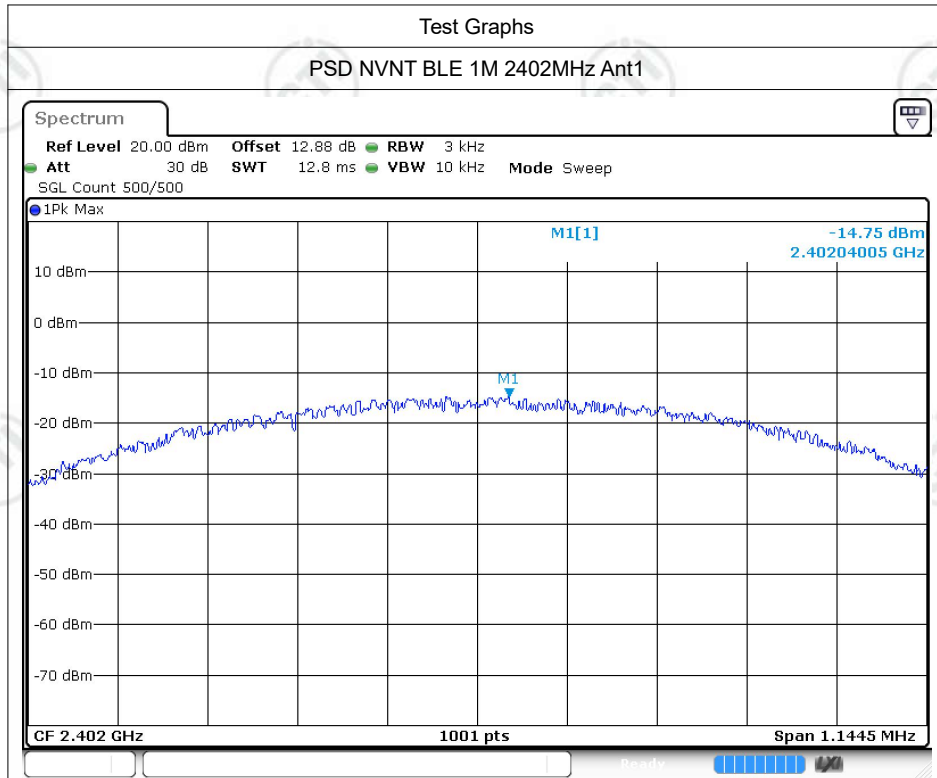
Date: 1.DEC.2022 10:15:00



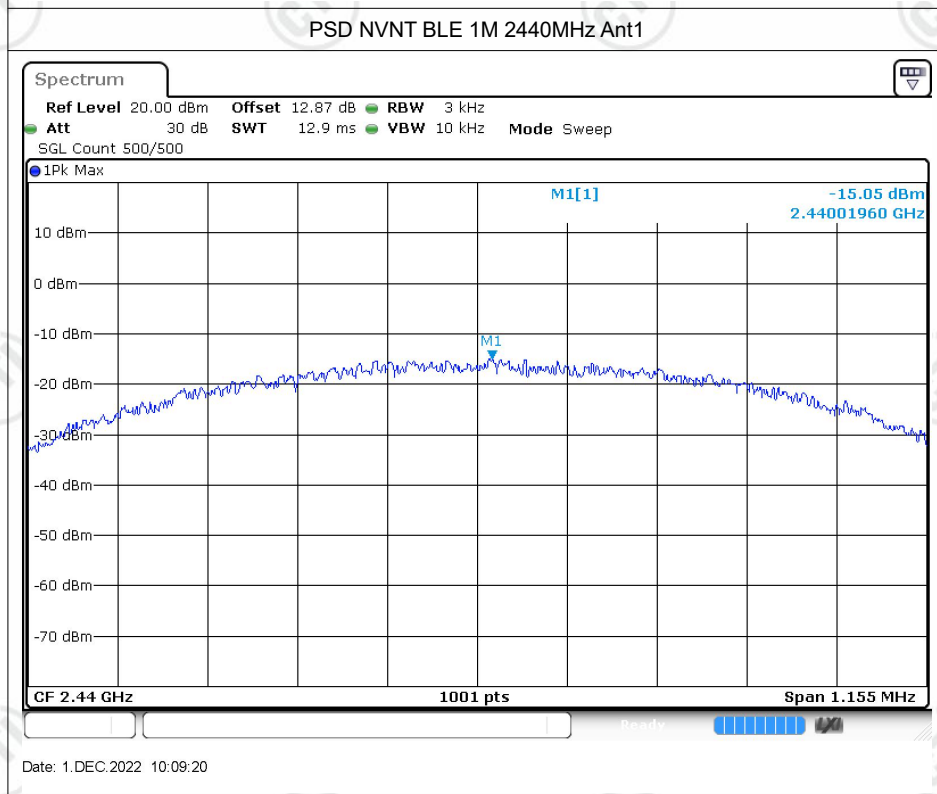
Date: 1.DEC.2022 10:16:42

Maximum Power Spectral Density Level

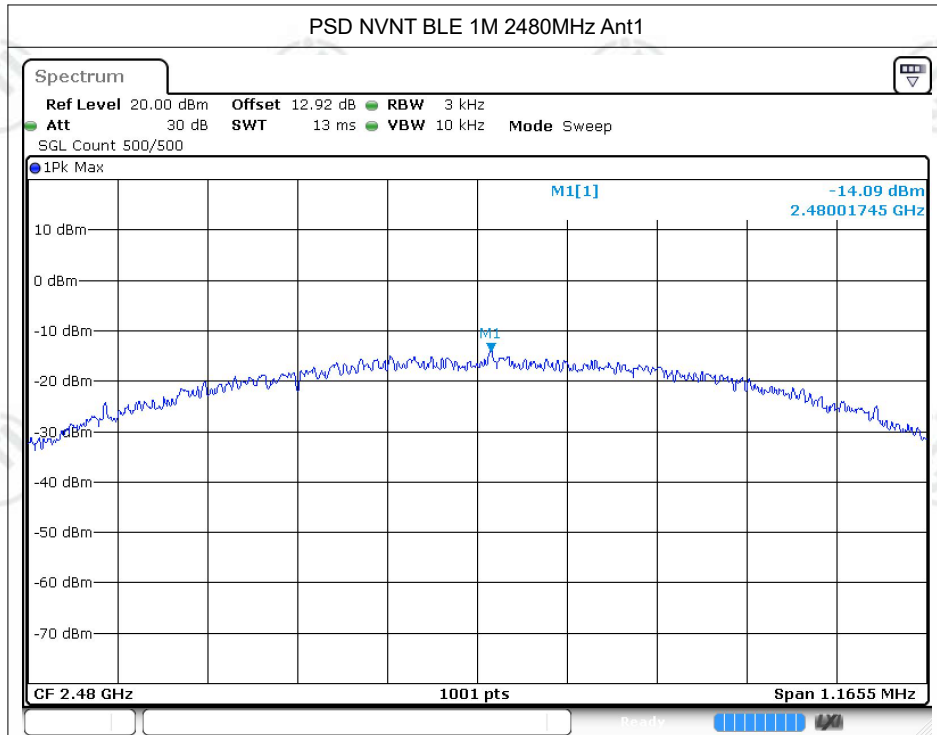
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.75	0	-14.75	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.05	0	-15.05	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.09	0	-14.09	8	Pass
NVNT	BLE 2M	2402	Ant1	-19.33	0	-19.33	8	Pass
NVNT	BLE 2M	2440	Ant1	-19.53	0	-19.53	8	Pass
NVNT	BLE 2M	2480	Ant1	-19.28	0	-19.28	8	Pass



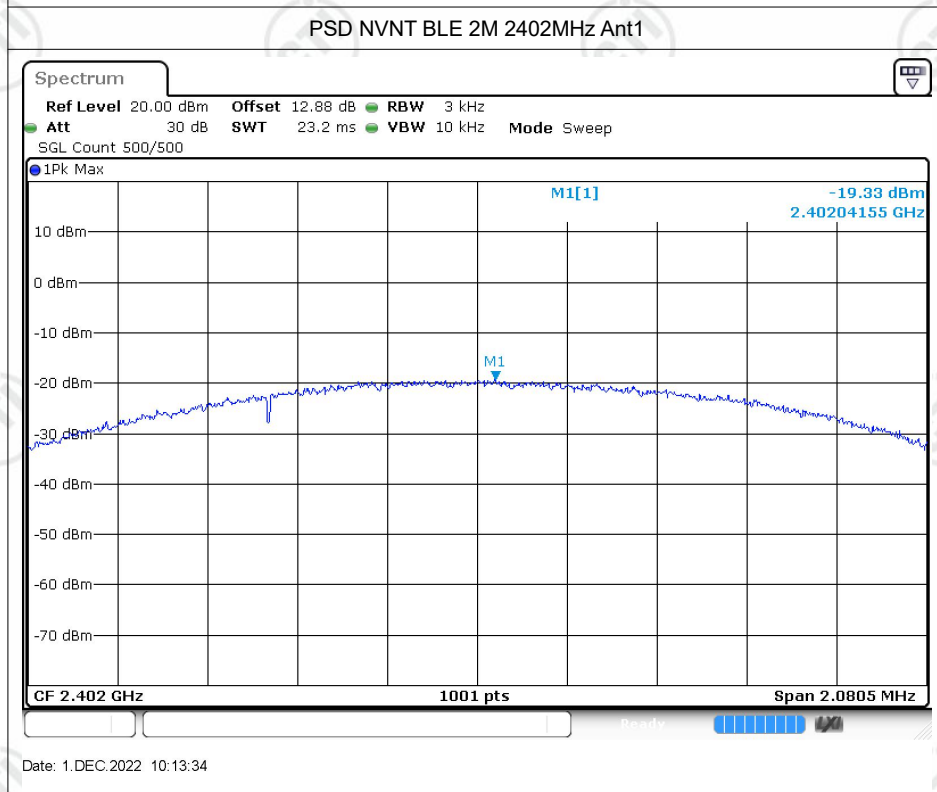
Date: 1.DEC.2022 10:06:33



Date: 1.DEC.2022 10:09:20



Date: 1.DEC.2022 10:11:11



Date: 1.DEC.2022 10:13:34