

Appendix: Bluetooth LE

Contents

Contents..... 2

Duty Cycle..... 3

Maximum Peak Conducted Output Power..... 7

-6dB Bandwidth..... 11

Occupied Channel Bandwidth..... 15

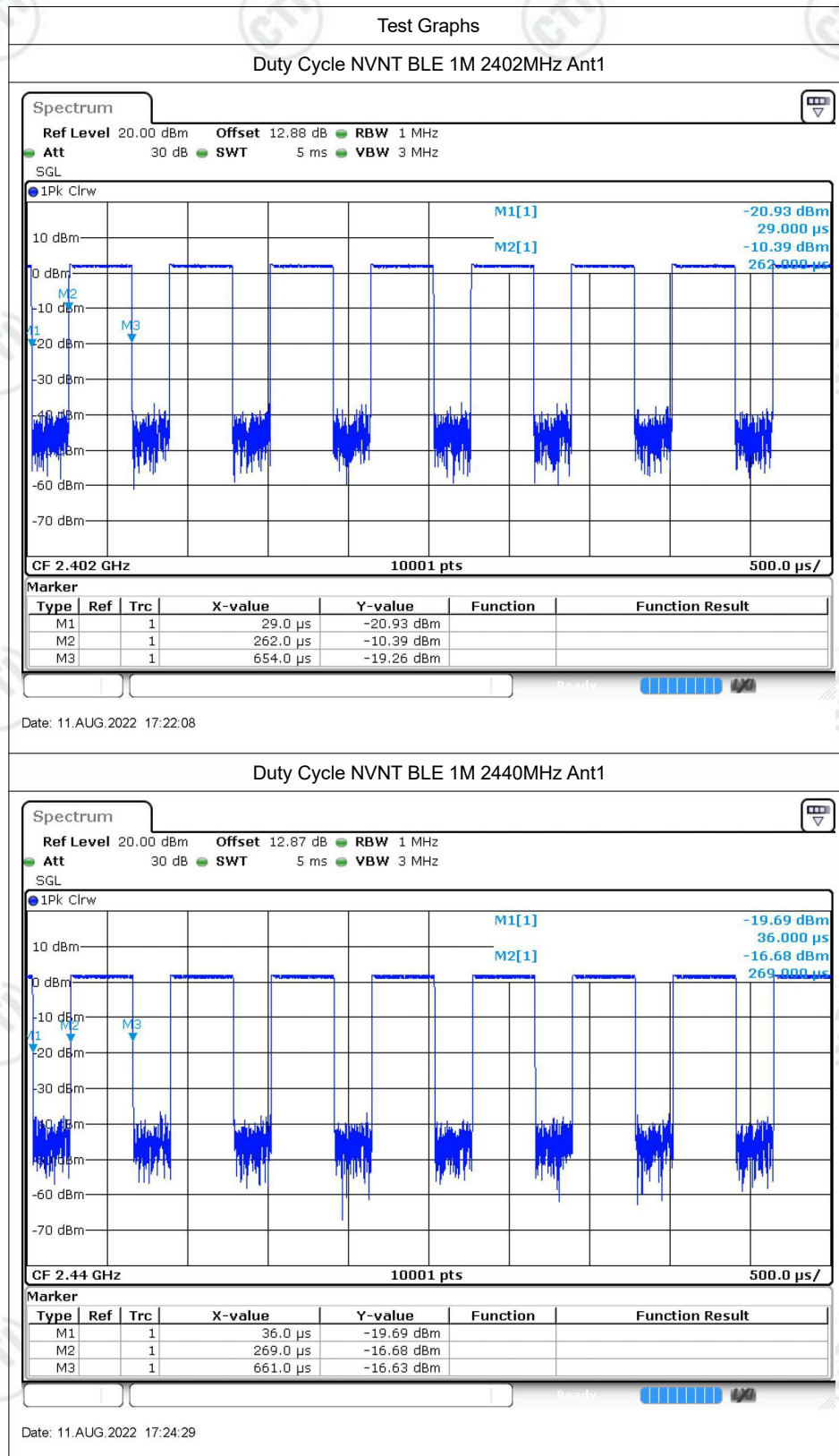
Maximum Power Spectral Density Level..... 19

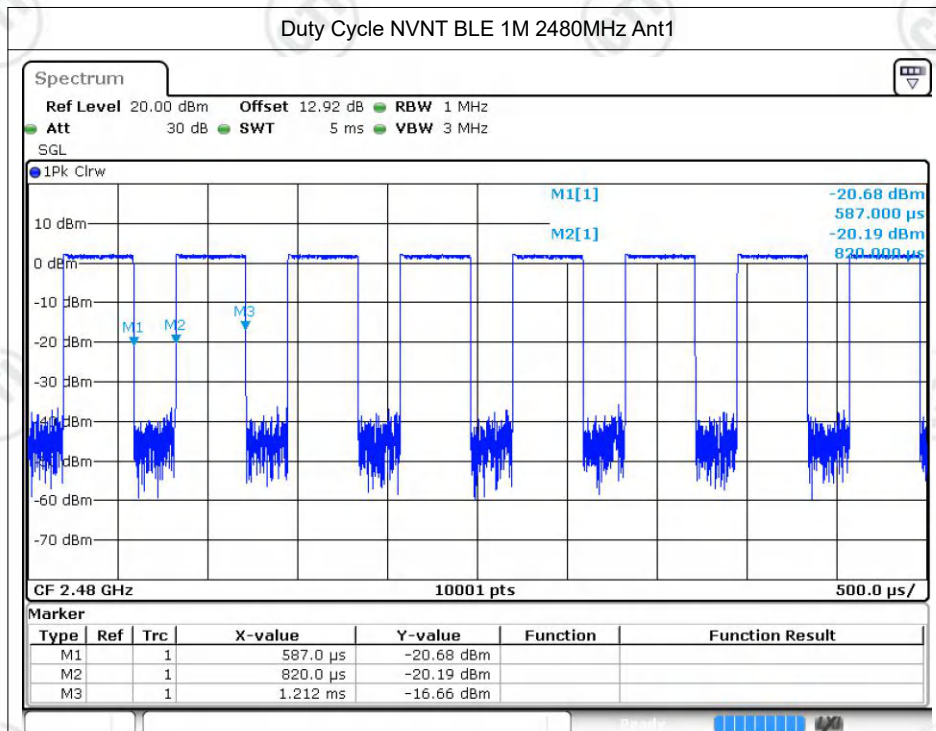
Band Edge..... 23

Conducted RF Spurious Emission..... 28

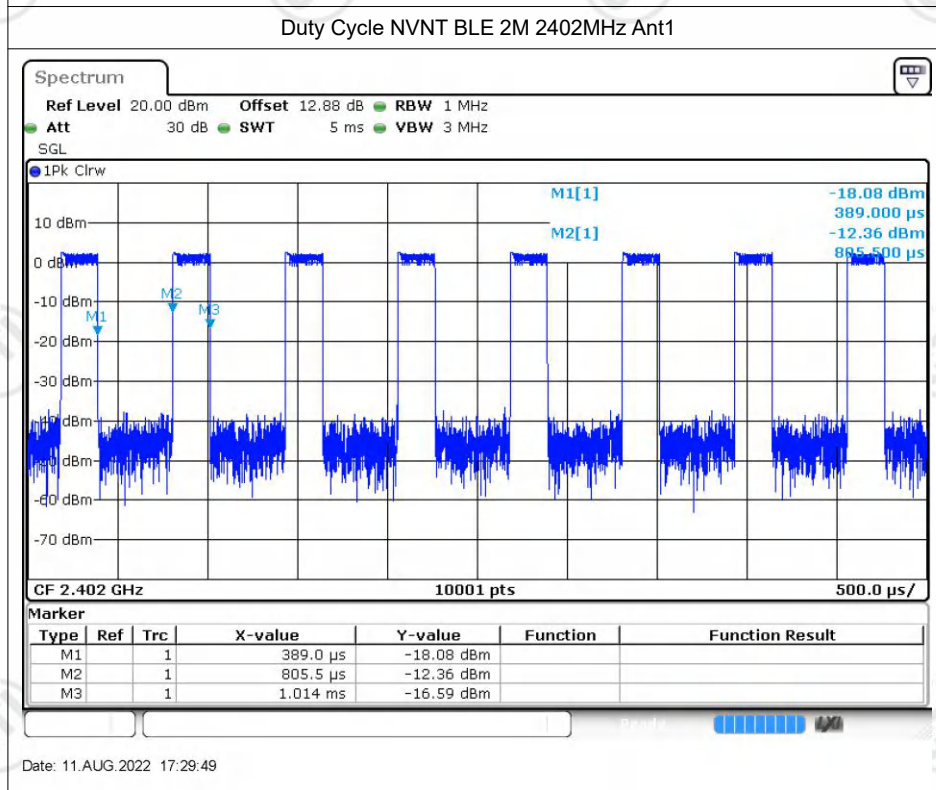
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	62.72	2.03	2.55
NVNT	BLE 1M	2440	Ant1	62.72	2.03	2.55
NVNT	BLE 1M	2480	Ant1	62.72	2.03	2.55
NVNT	BLE 2M	2402	Ant1	33.36	4.77	4.8
NVNT	BLE 2M	2440	Ant1	33.36	4.77	4.8
NVNT	BLE 2M	2480	Ant1	33.28	4.78	4.81

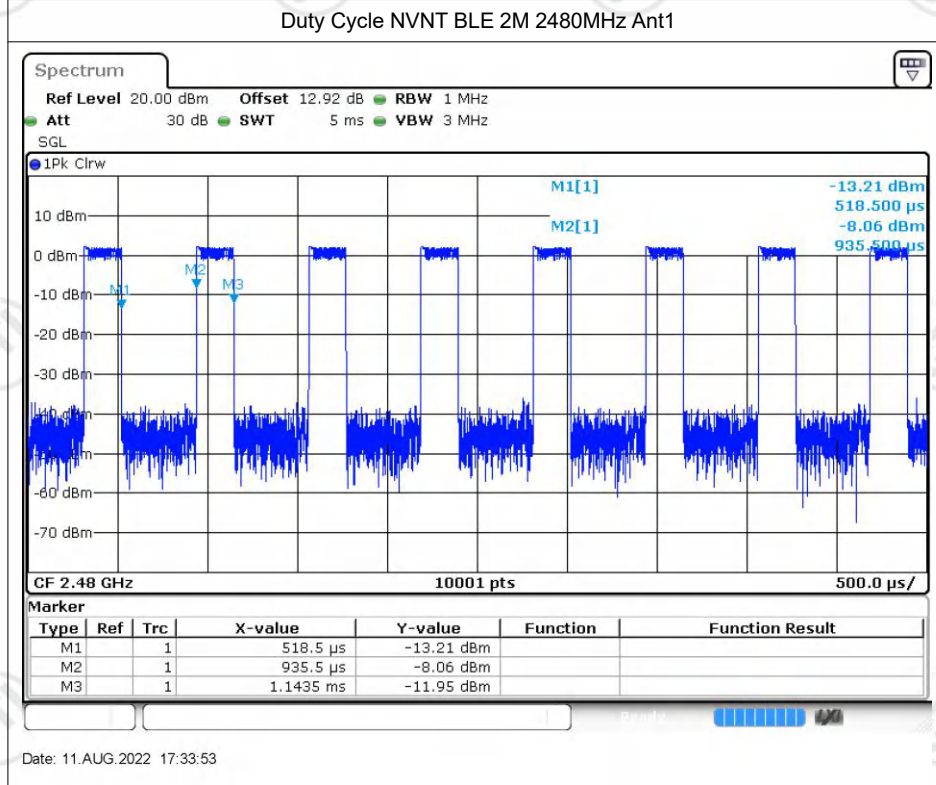
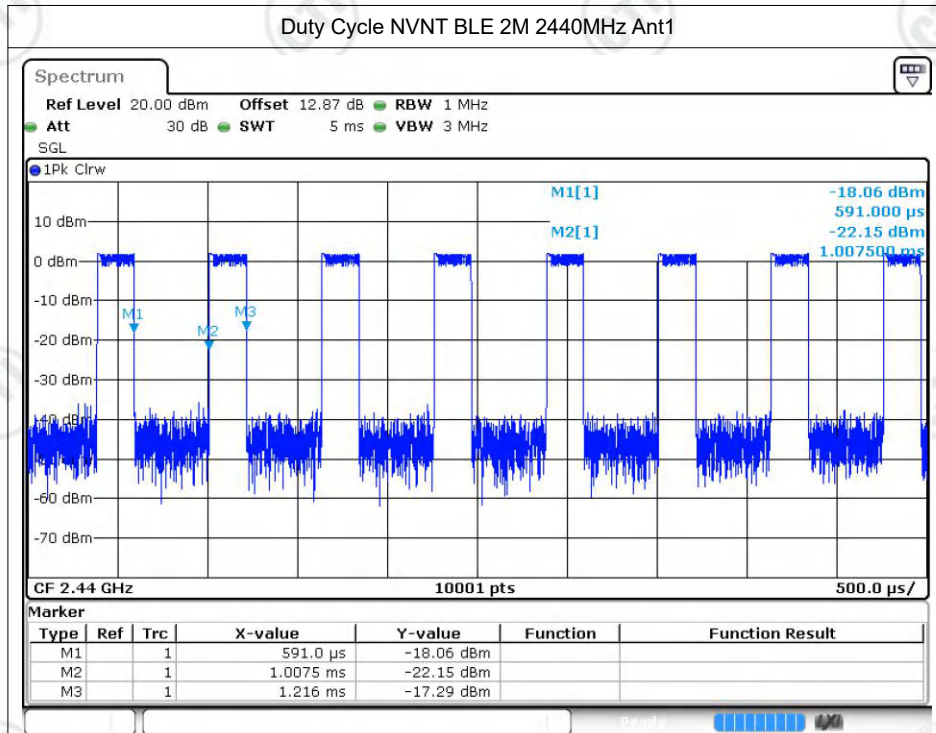




Date: 11.AUG.2022 17:26:51

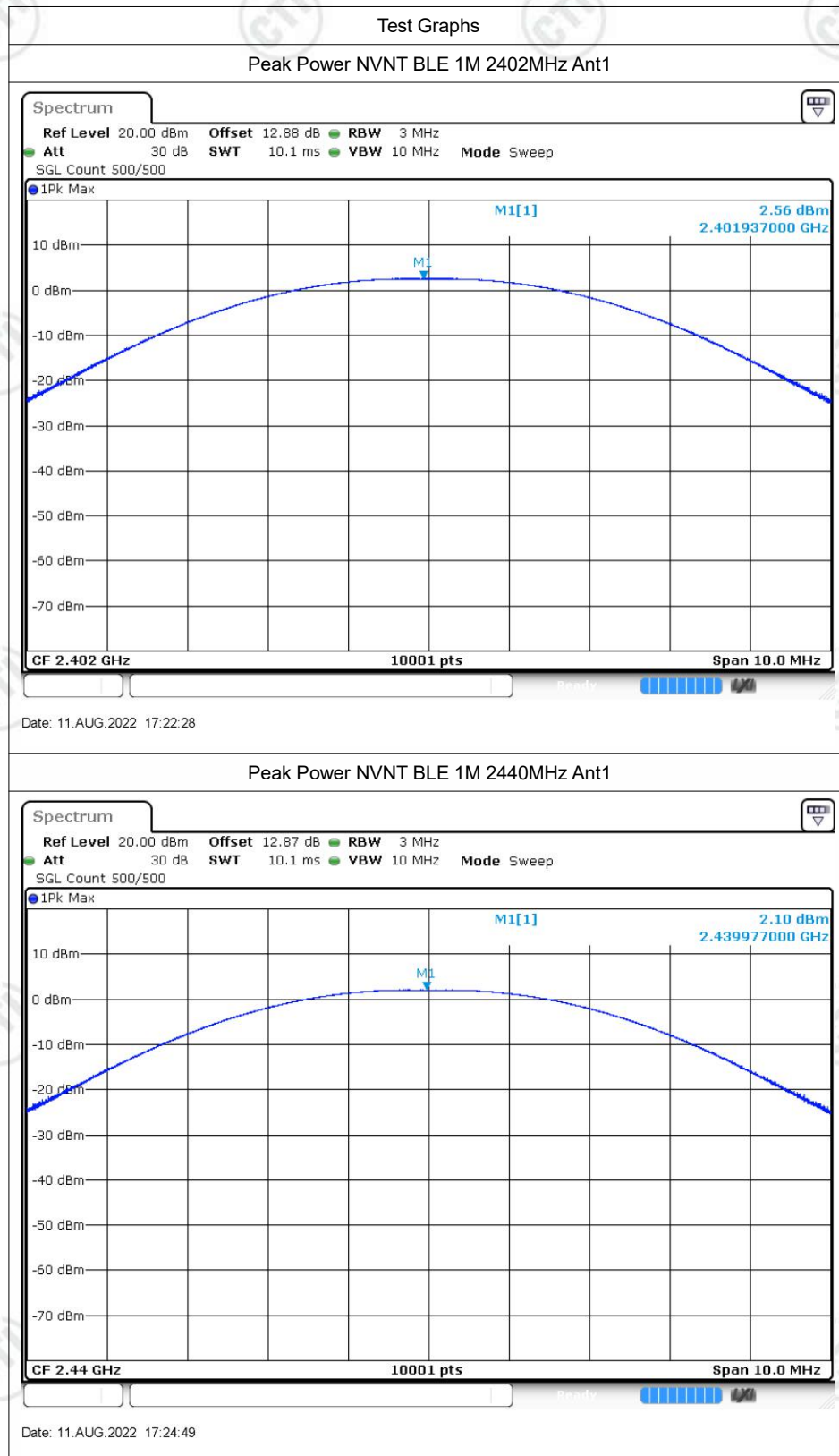


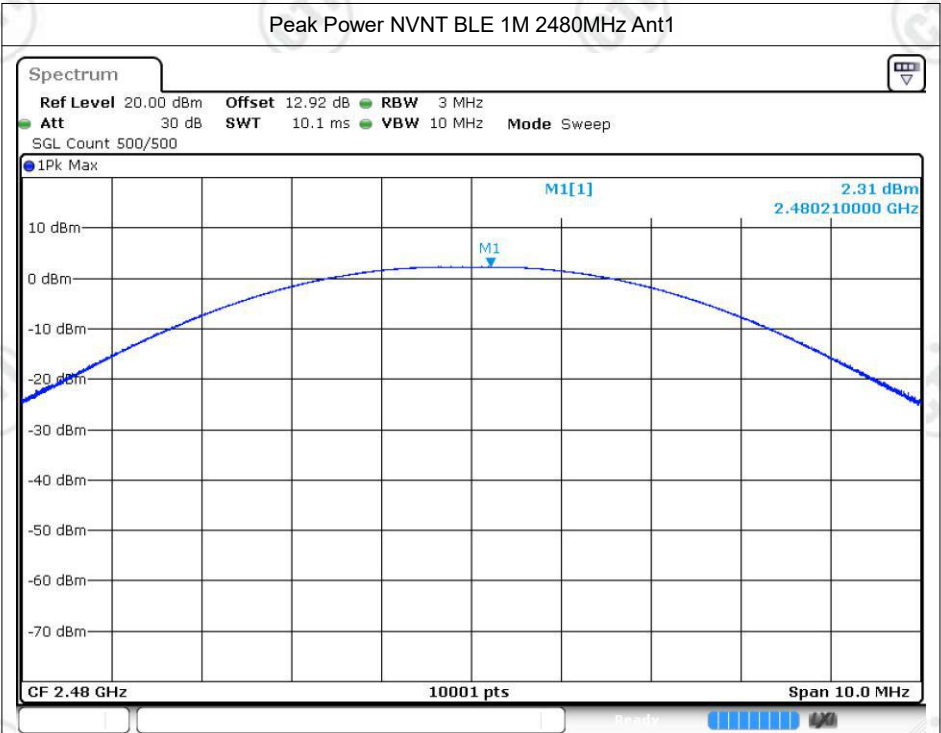
Date: 11.AUG.2022 17:29:49



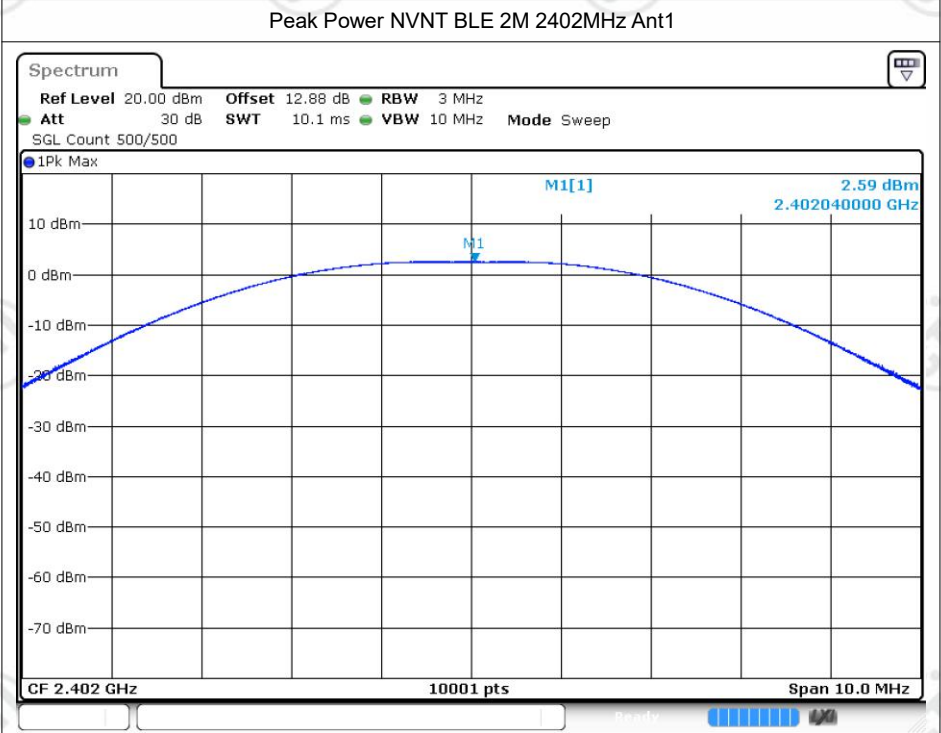
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.56	0	2.56	30	Pass
NVNT	BLE 1M	2440	Ant1	2.1	0	2.10	30	Pass
NVNT	BLE 1M	2480	Ant1	2.31	0	2.31	30	Pass
NVNT	BLE 2M	2402	Ant1	2.59	0	2.59	30	Pass
NVNT	BLE 2M	2440	Ant1	2.07	0	2.07	30	Pass
NVNT	BLE 2M	2480	Ant1	2.3	0	2.30	30	Pass

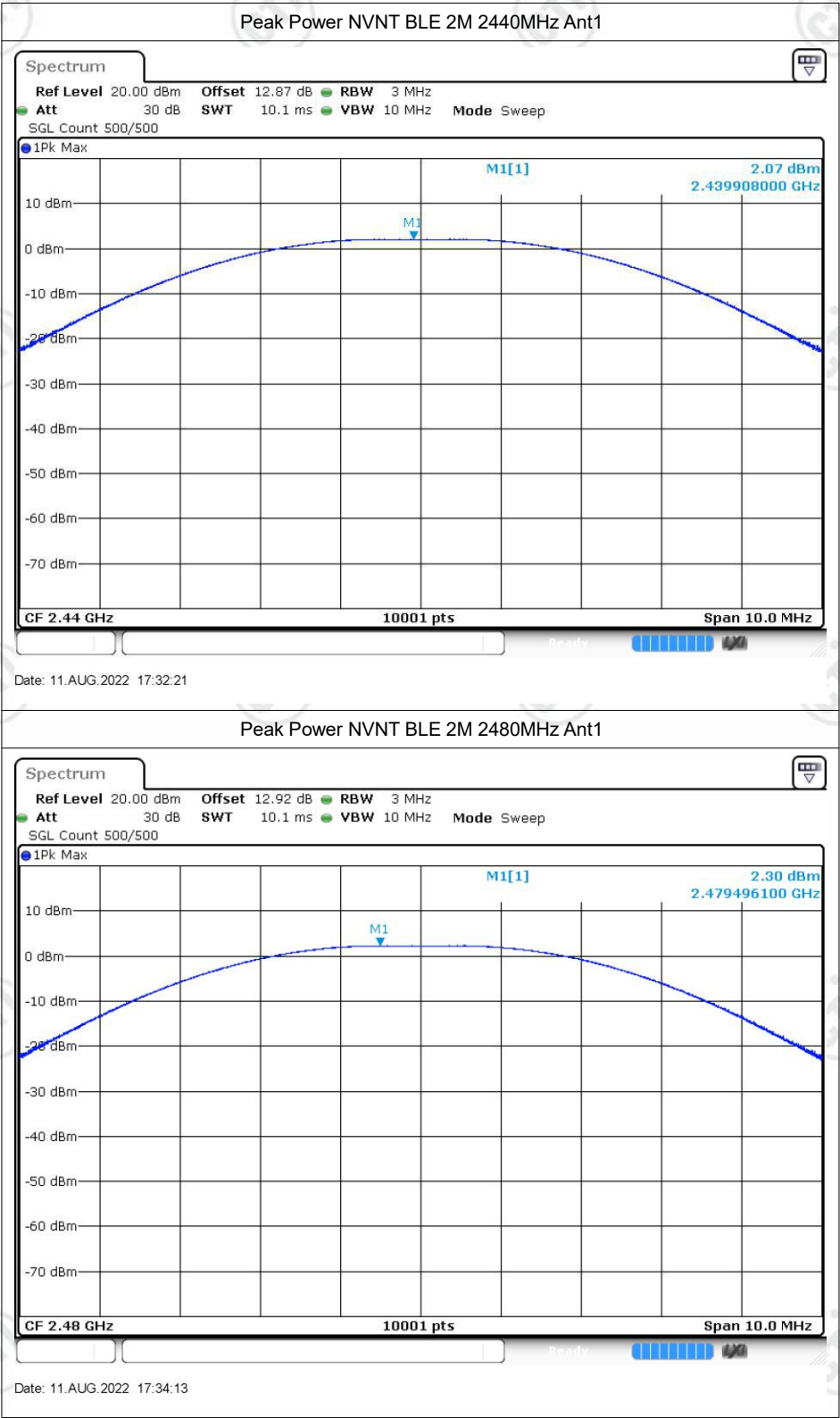




Date: 11.AUG.2022 17:27:12

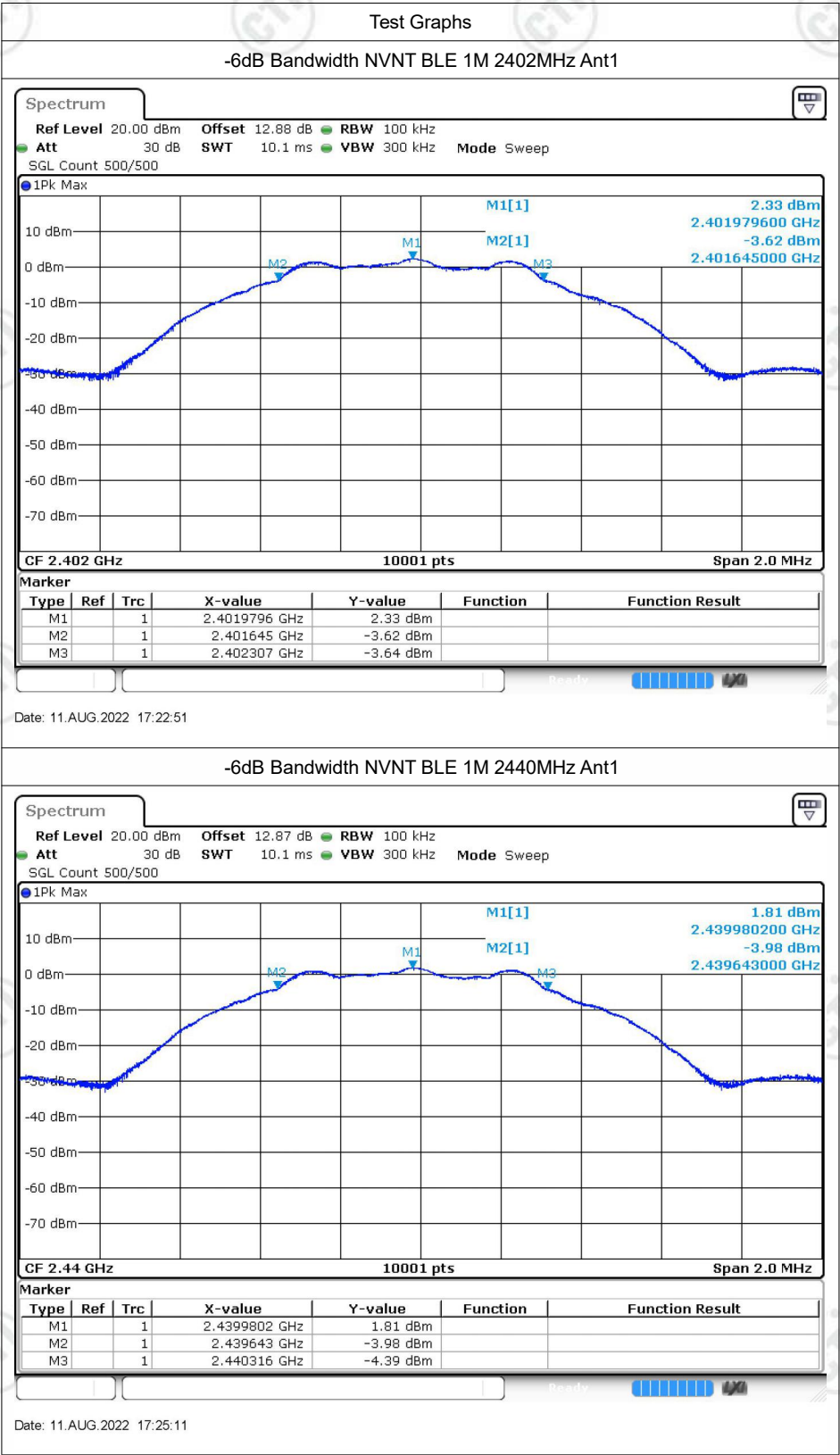


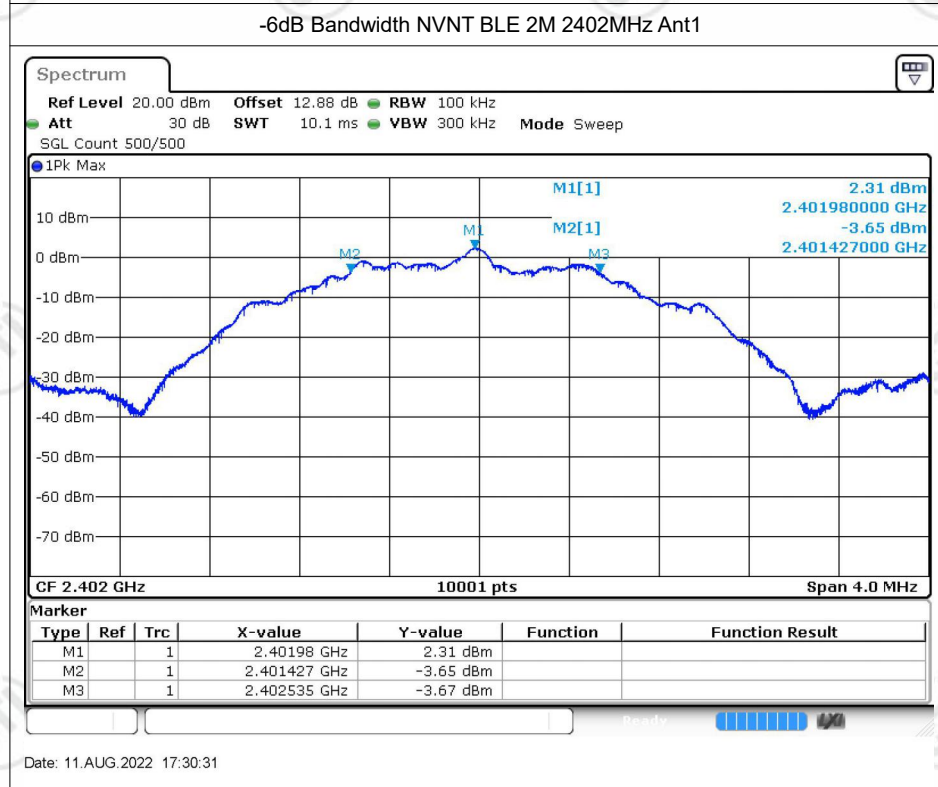
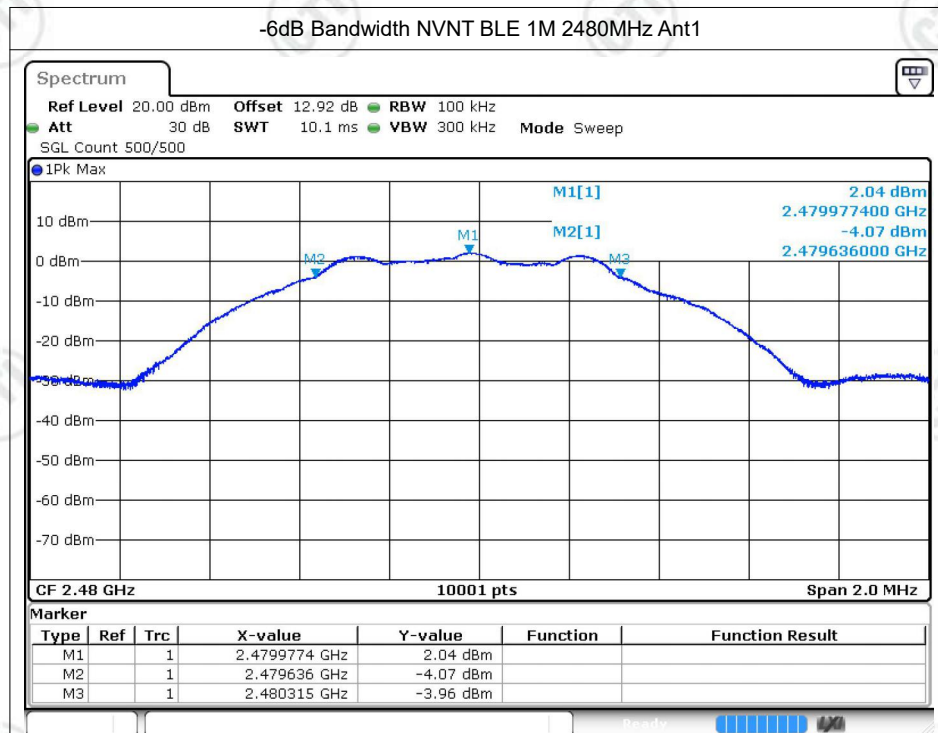
Date: 11.AUG.2022 17:30:09

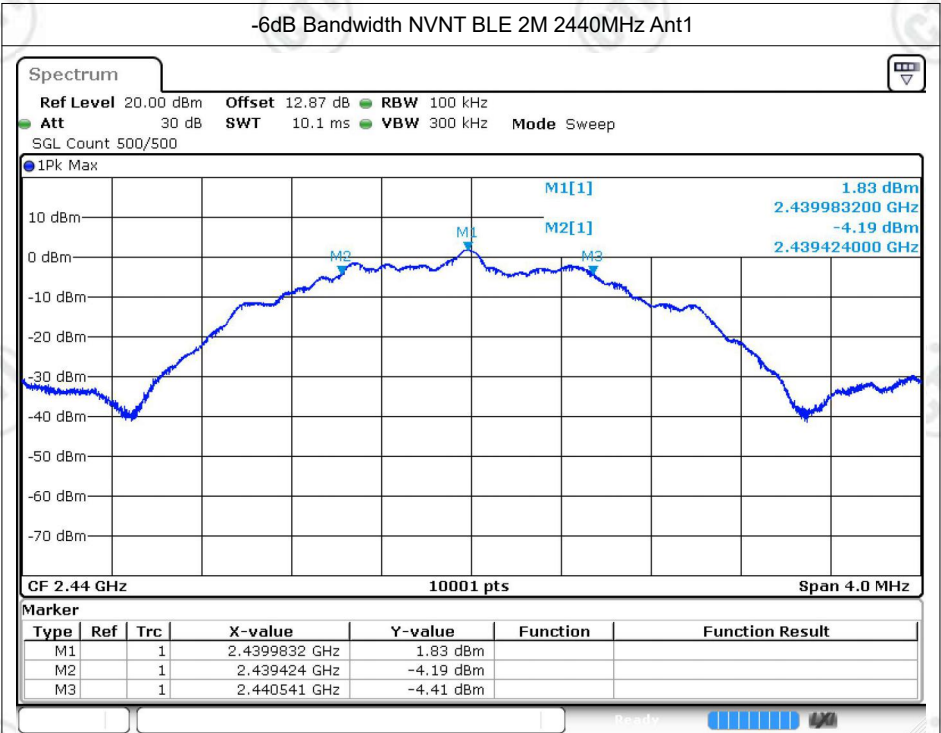


-6dB Bandwidth

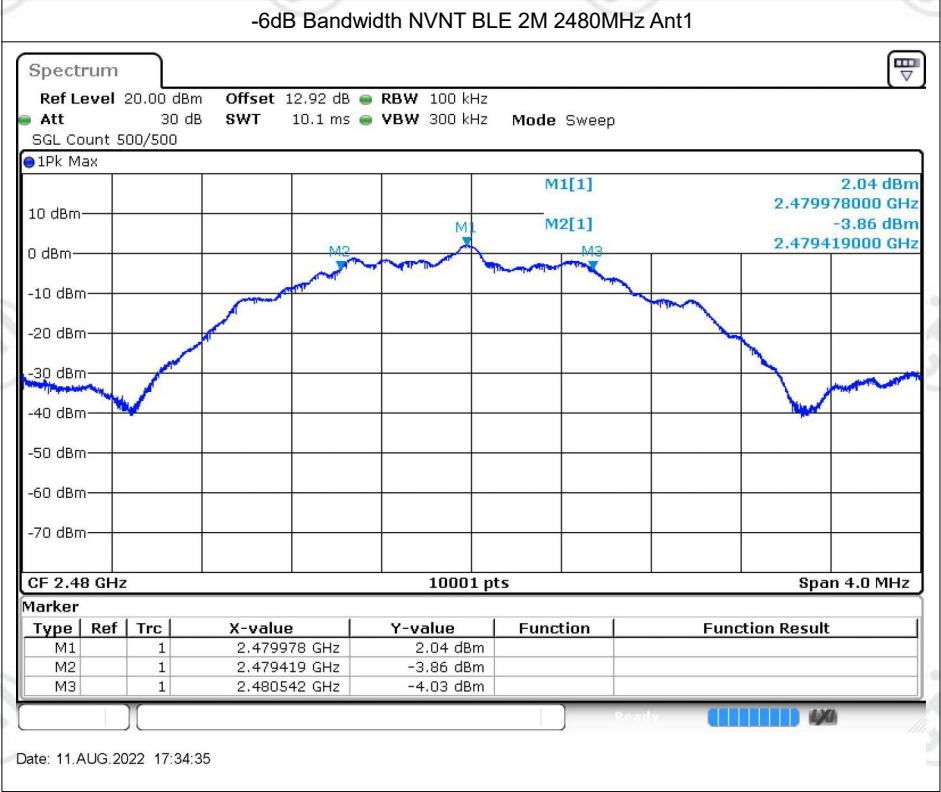
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.662	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.673	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.679	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.108	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.117	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.123	0.5	Pass







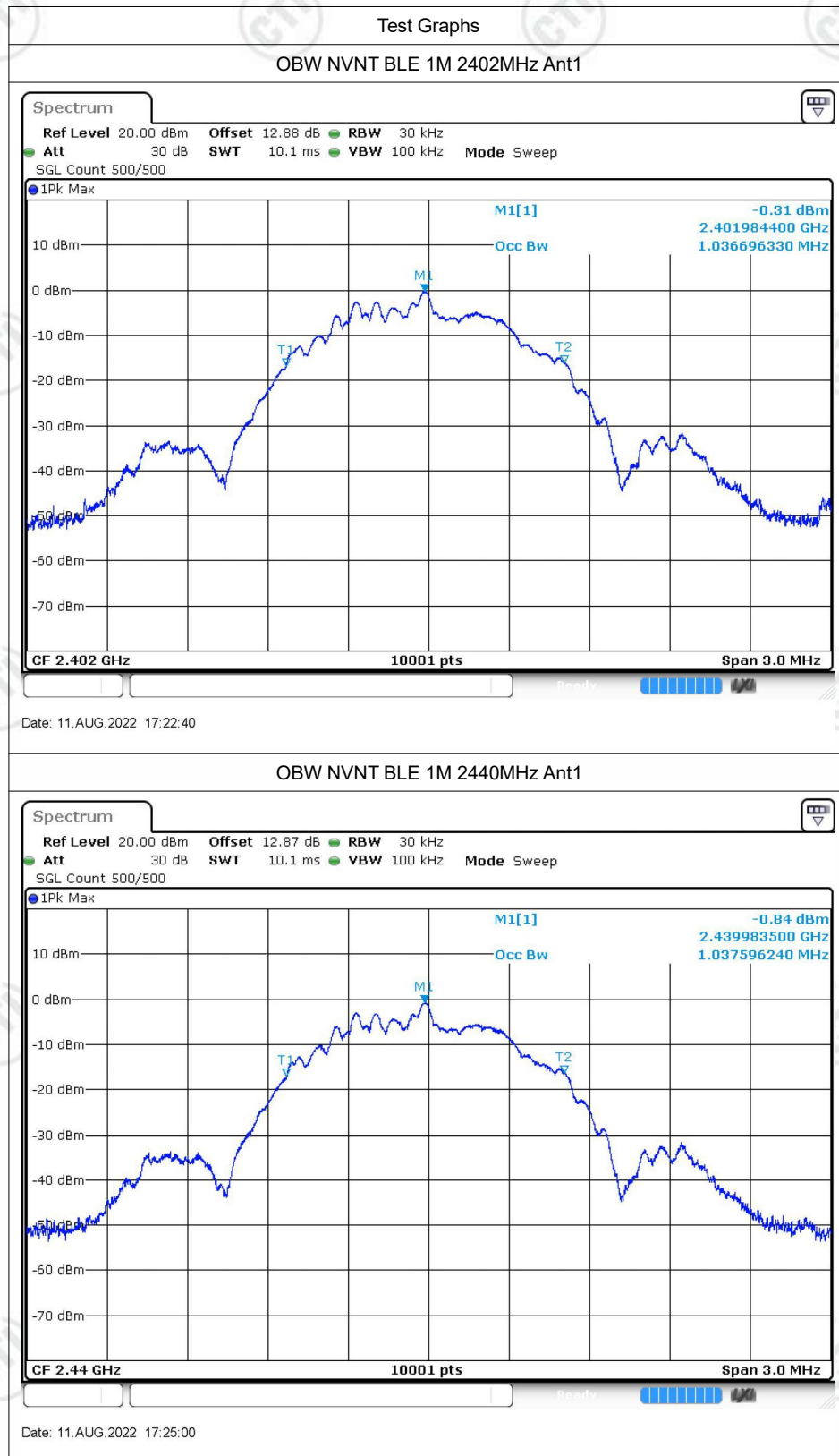
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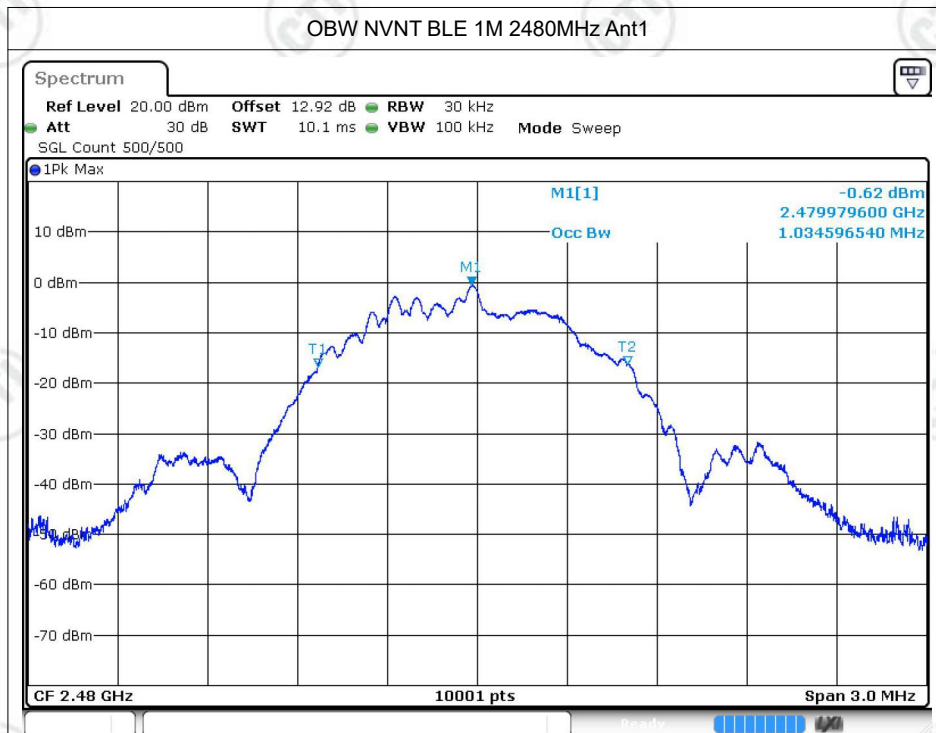


Date: 11.AUG.2022 17:34:35

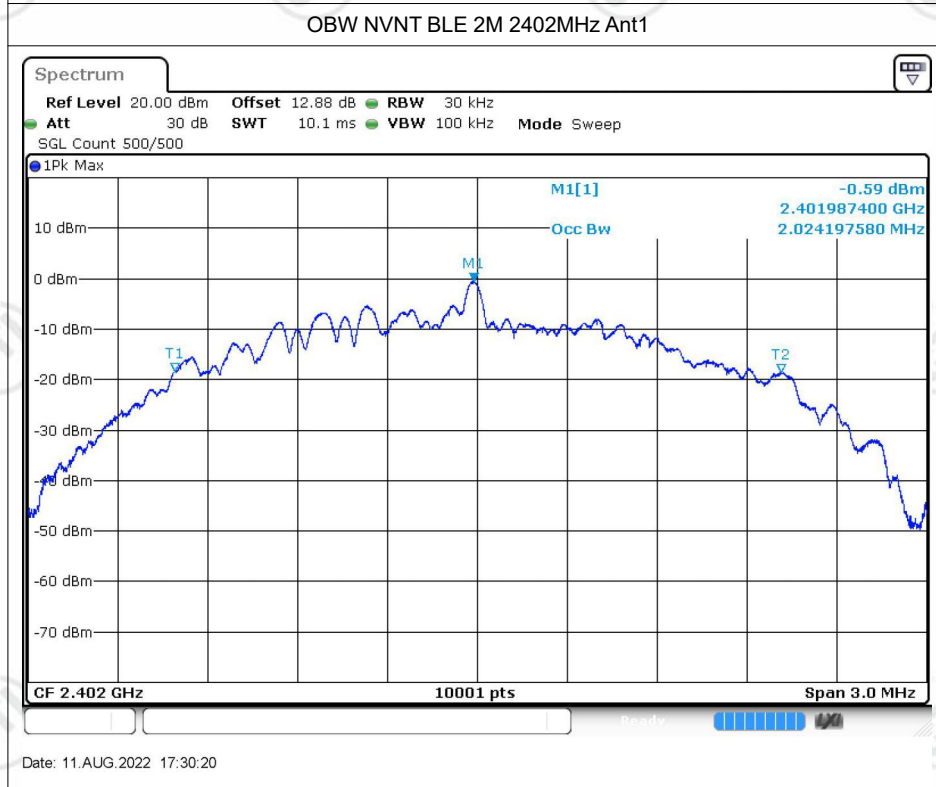
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.037
NVNT	BLE 1M	2440	Ant1	1.038
NVNT	BLE 1M	2480	Ant1	1.035
NVNT	BLE 2M	2402	Ant1	2.024
NVNT	BLE 2M	2440	Ant1	2.027
NVNT	BLE 2M	2480	Ant1	2.025

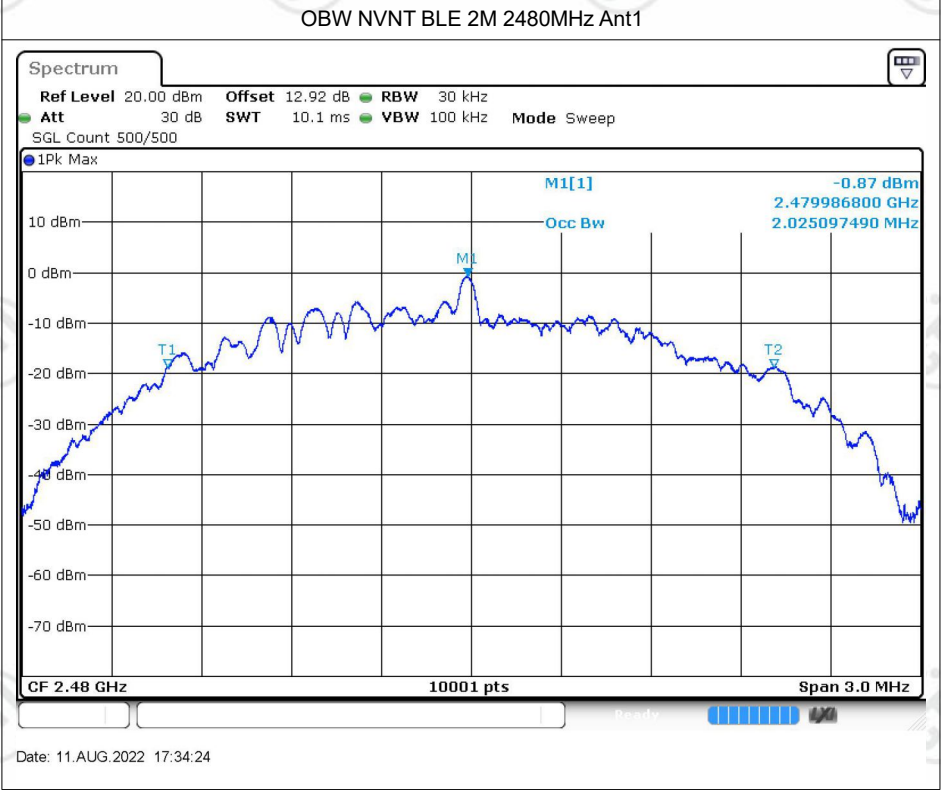
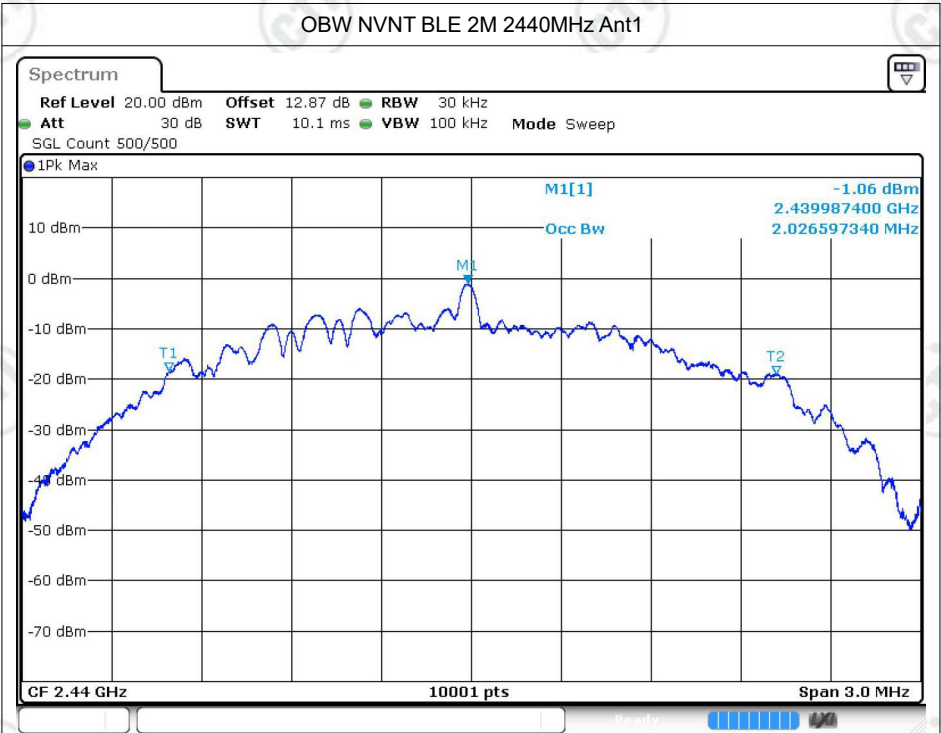




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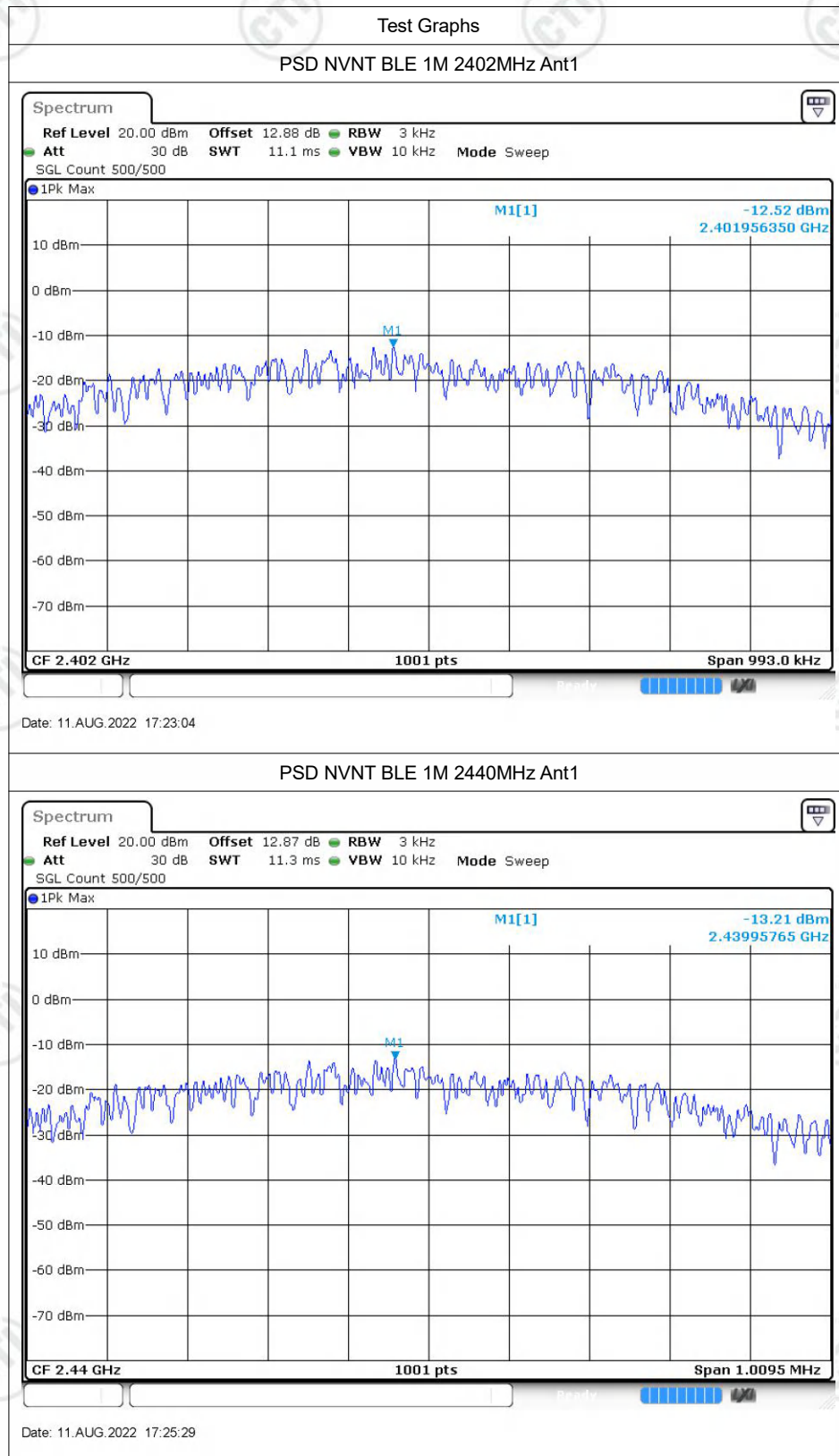


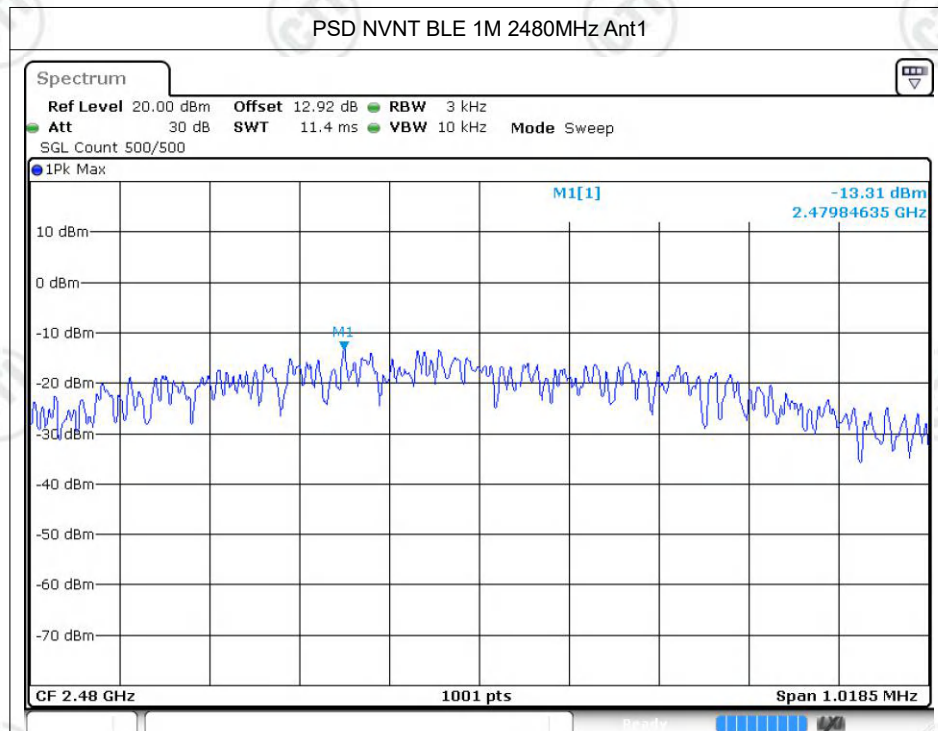
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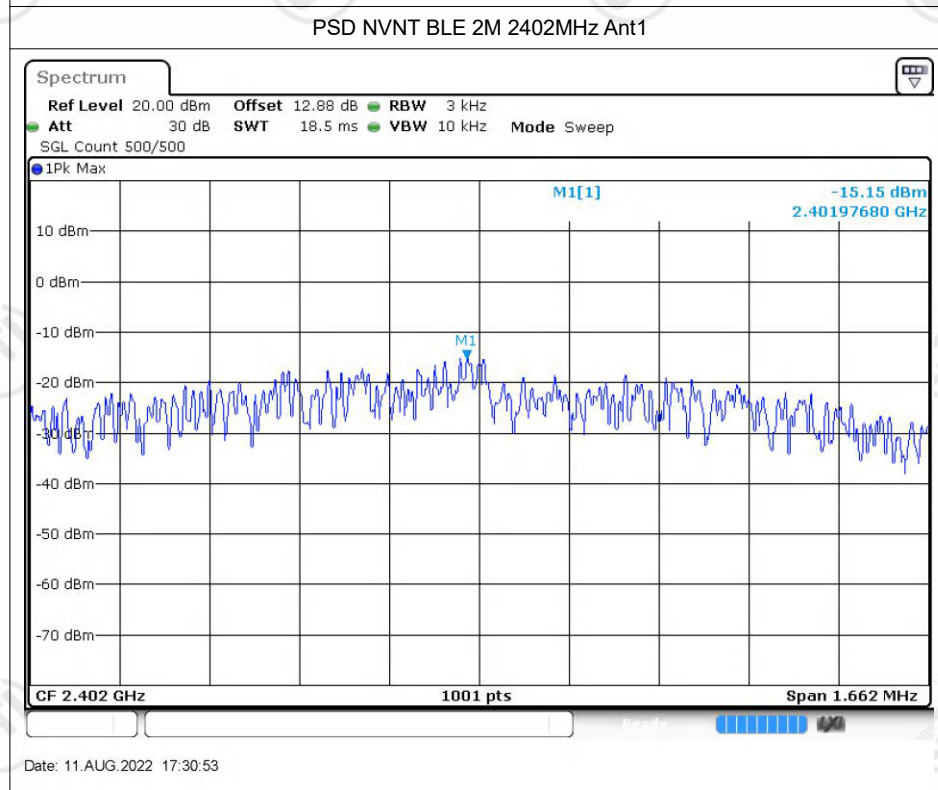
Maximum Power Spectral Density Level

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	-12.52	0	-12.52	8	Pass
NVNT	BLE 1M	2440	Ant1	-13.21	0	-13.21	8	Pass
NVNT	BLE 1M	2480	Ant1	-13.31	0	-13.31	8	Pass
NVNT	BLE 2M	2402	Ant1	-15.15	0	-15.15	8	Pass
NVNT	BLE 2M	2440	Ant1	-15.64	0	-15.64	8	Pass
NVNT	BLE 2M	2480	Ant1	-15.16	0	-15.16	8	Pass

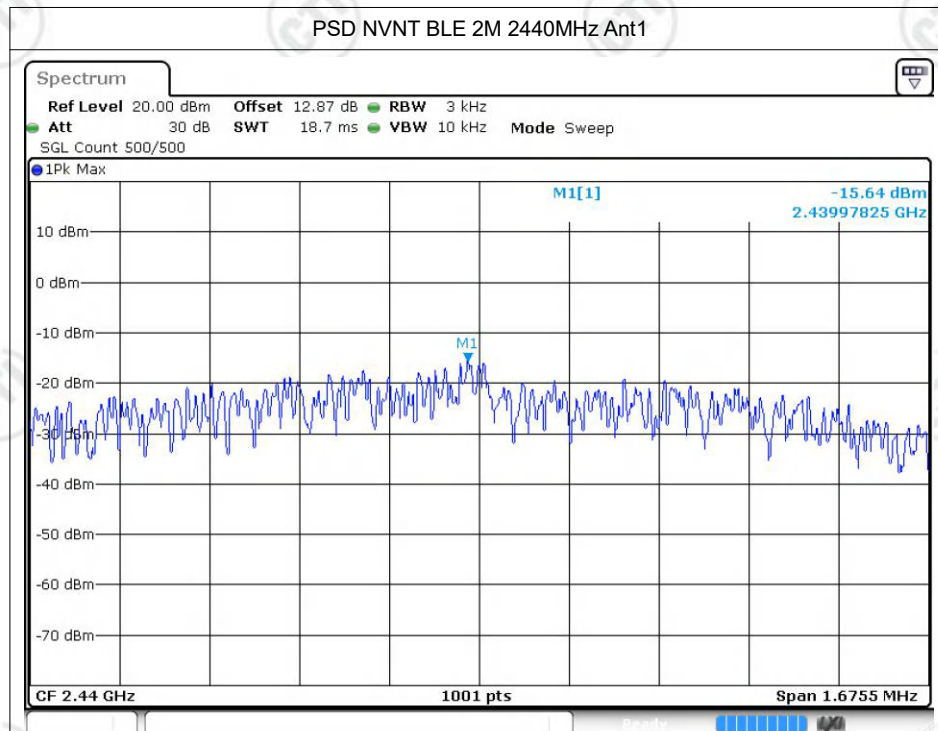




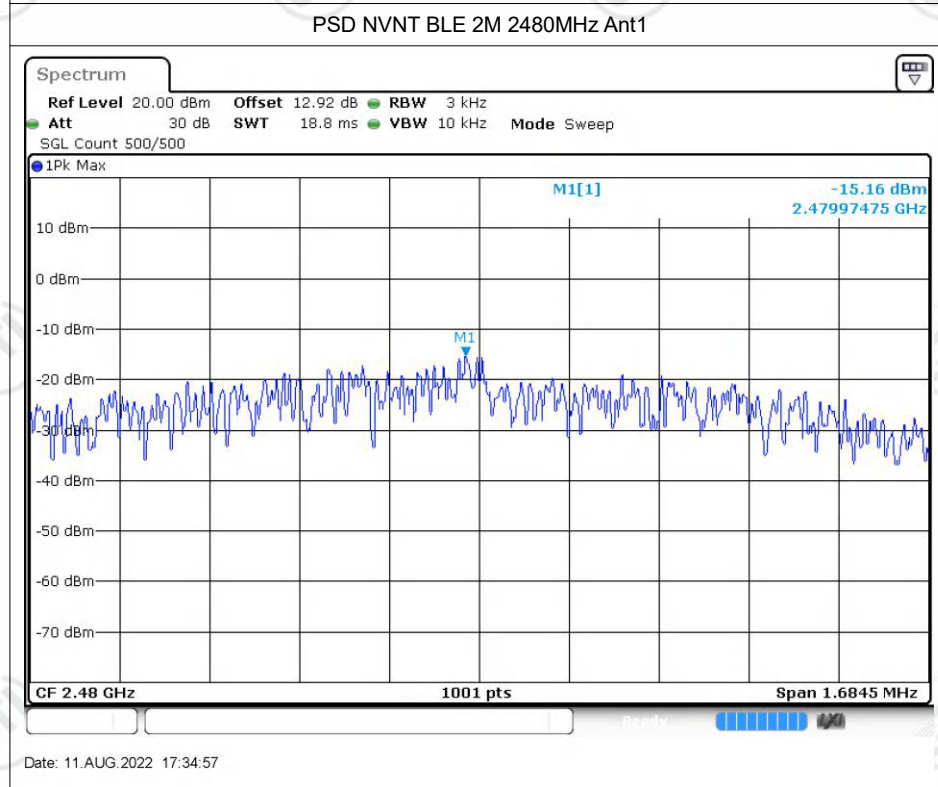
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Date: 11.AUG.2022 17:30:53



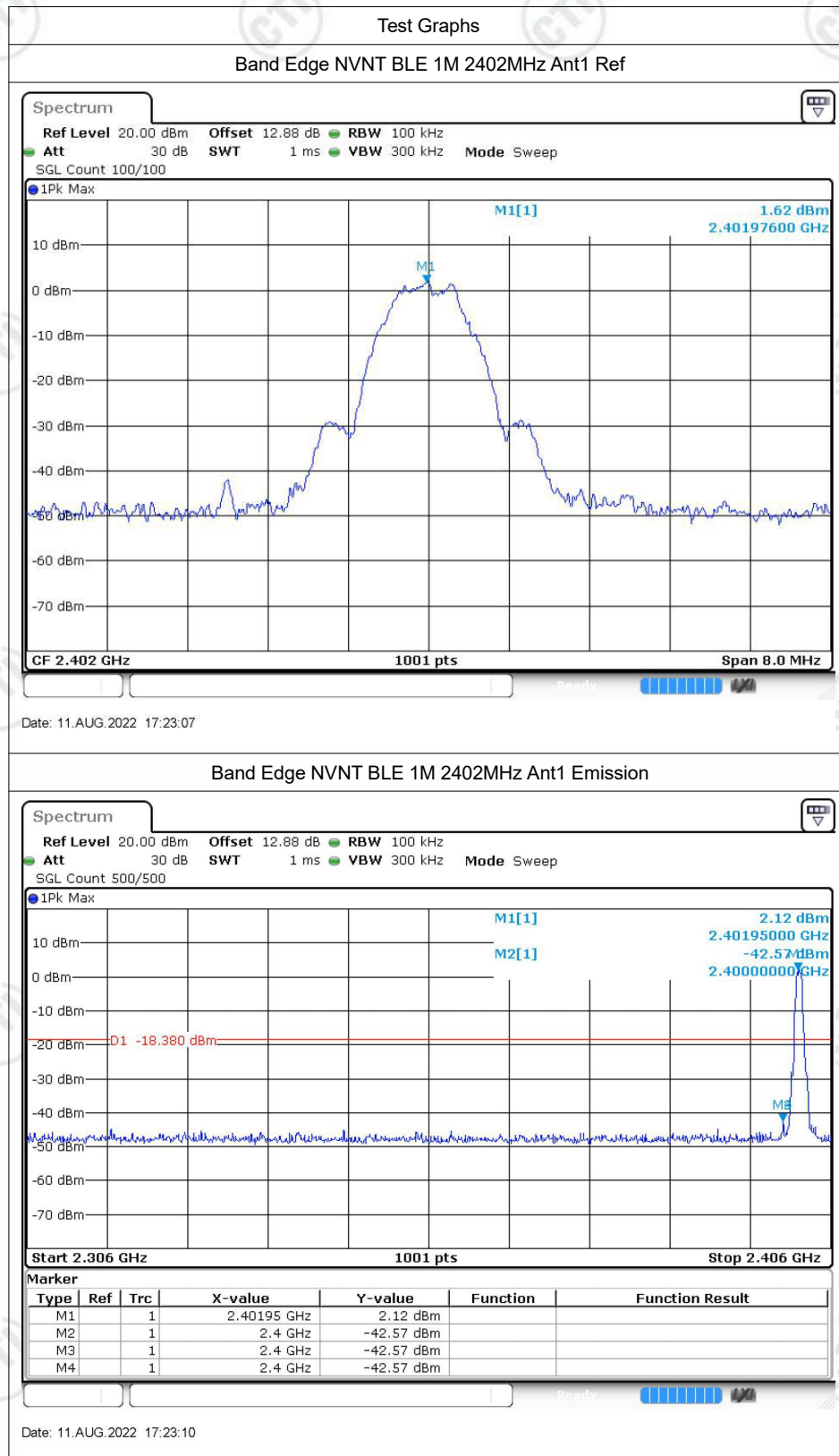
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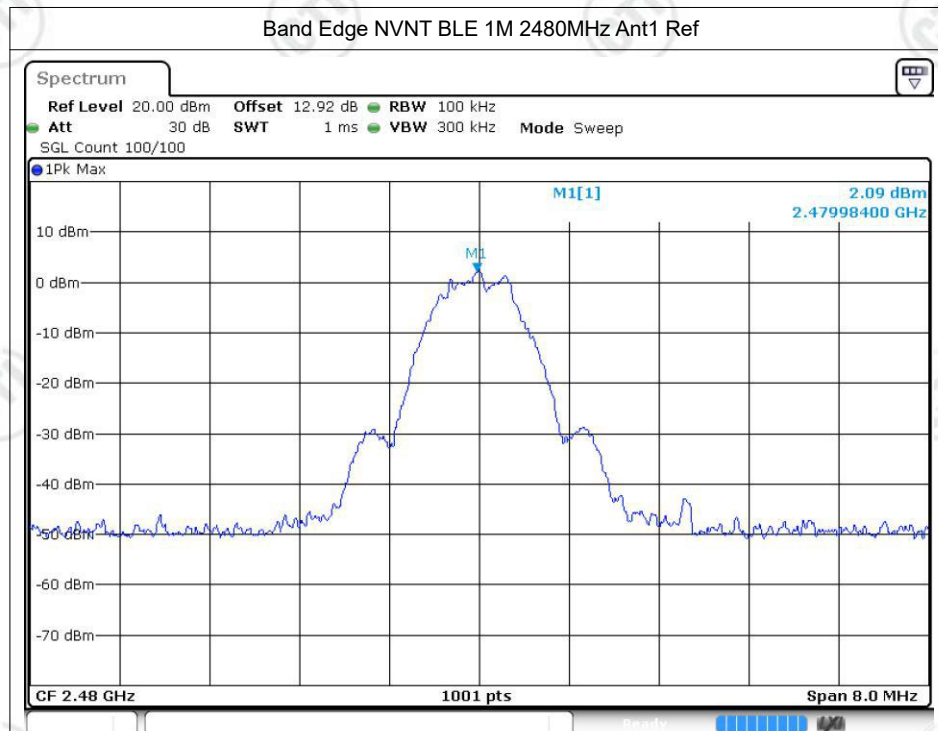


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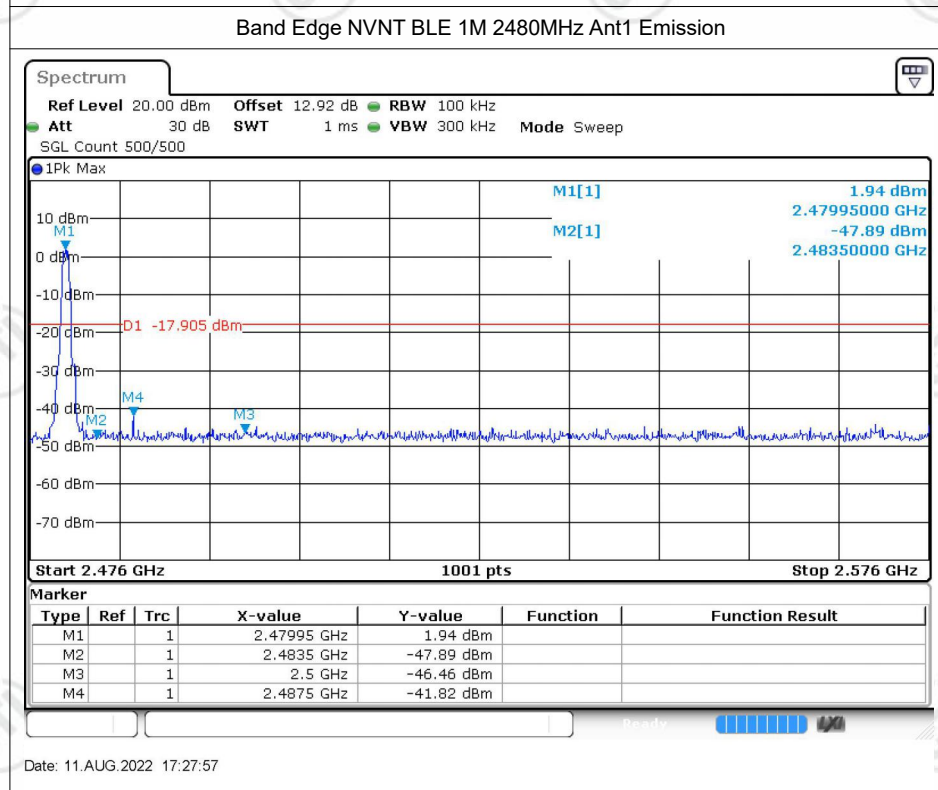
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.18	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.91	-20	Pass
NVNT	BLE 2M	2402	Ant1	-34.18	-20	Pass
NVNT	BLE 2M	2480	Ant1	-46.15	-20	Pass

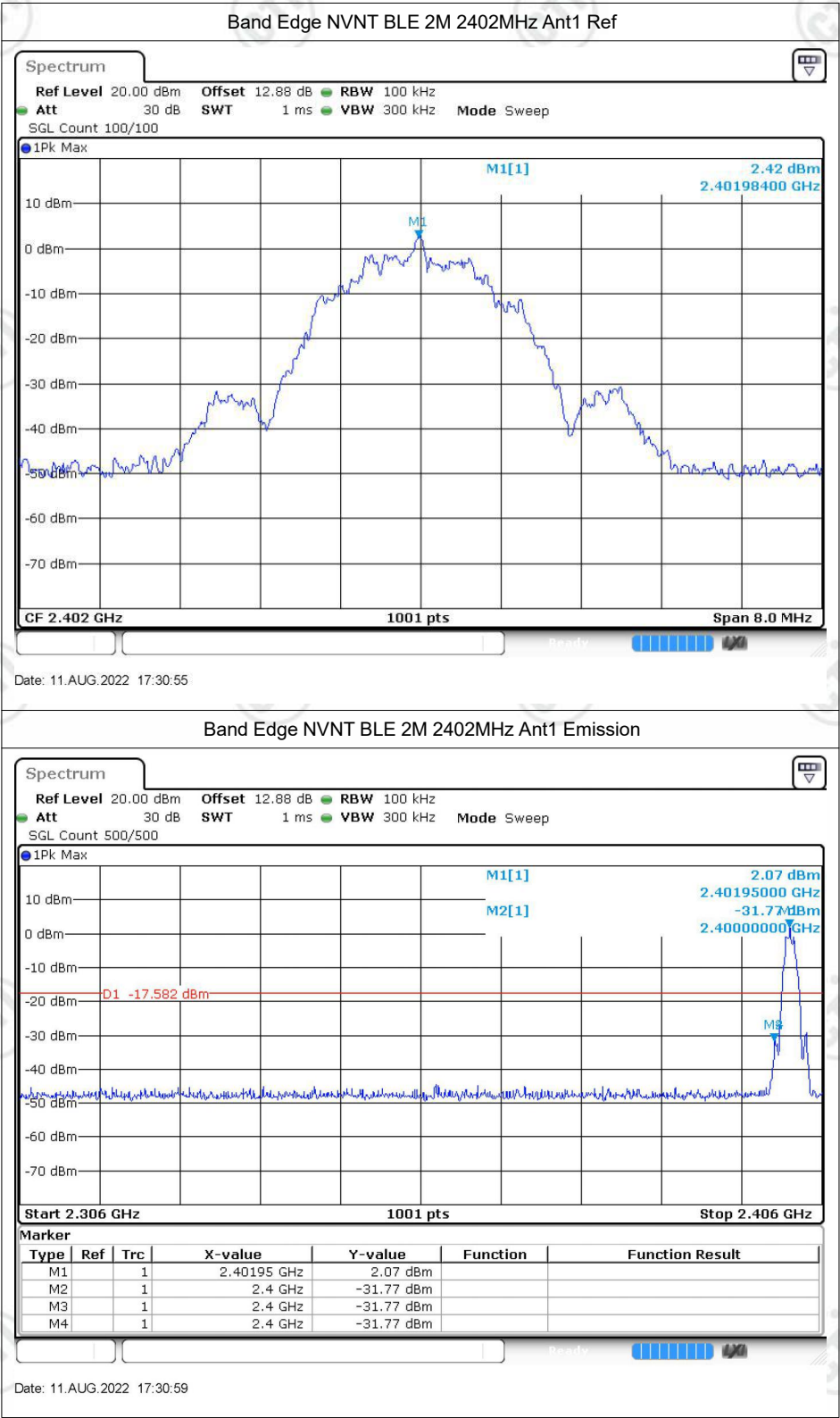


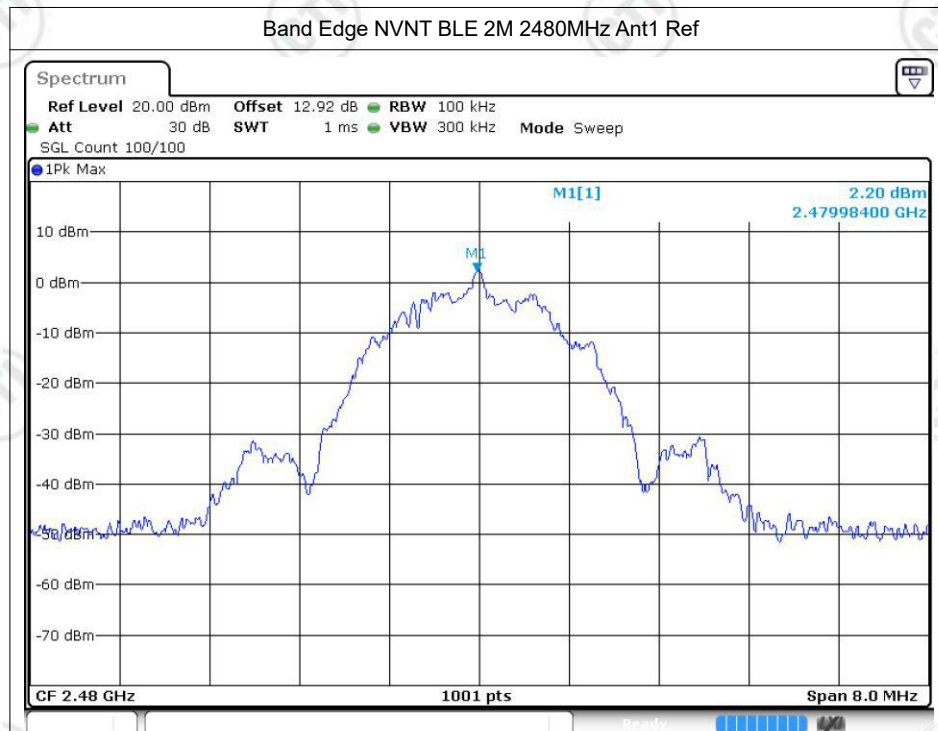


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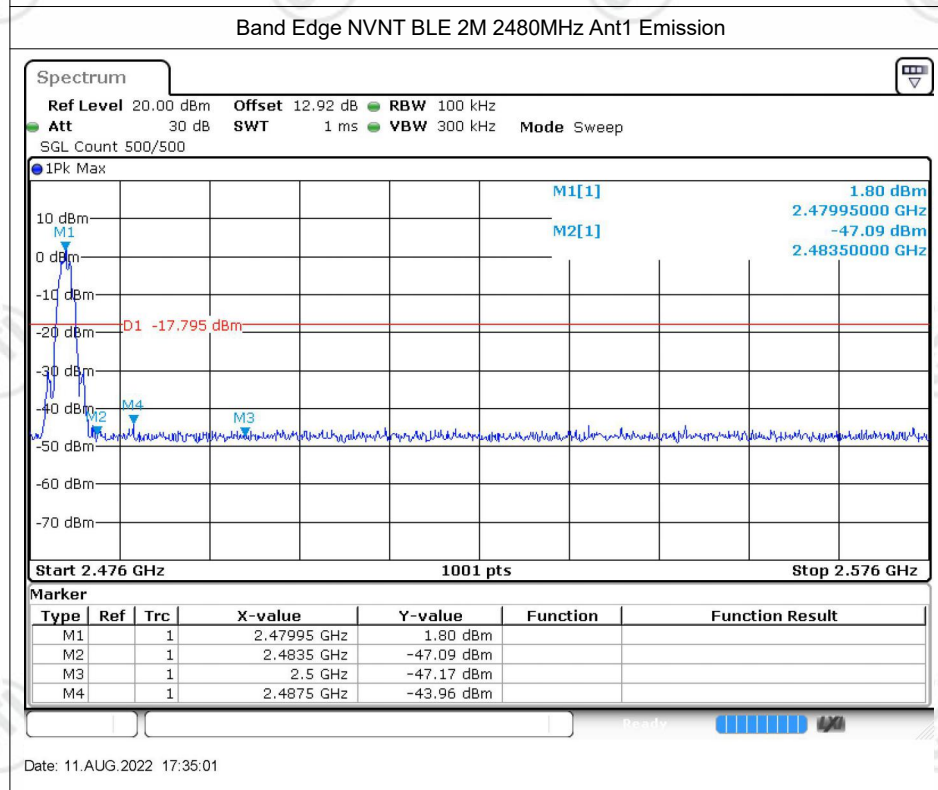


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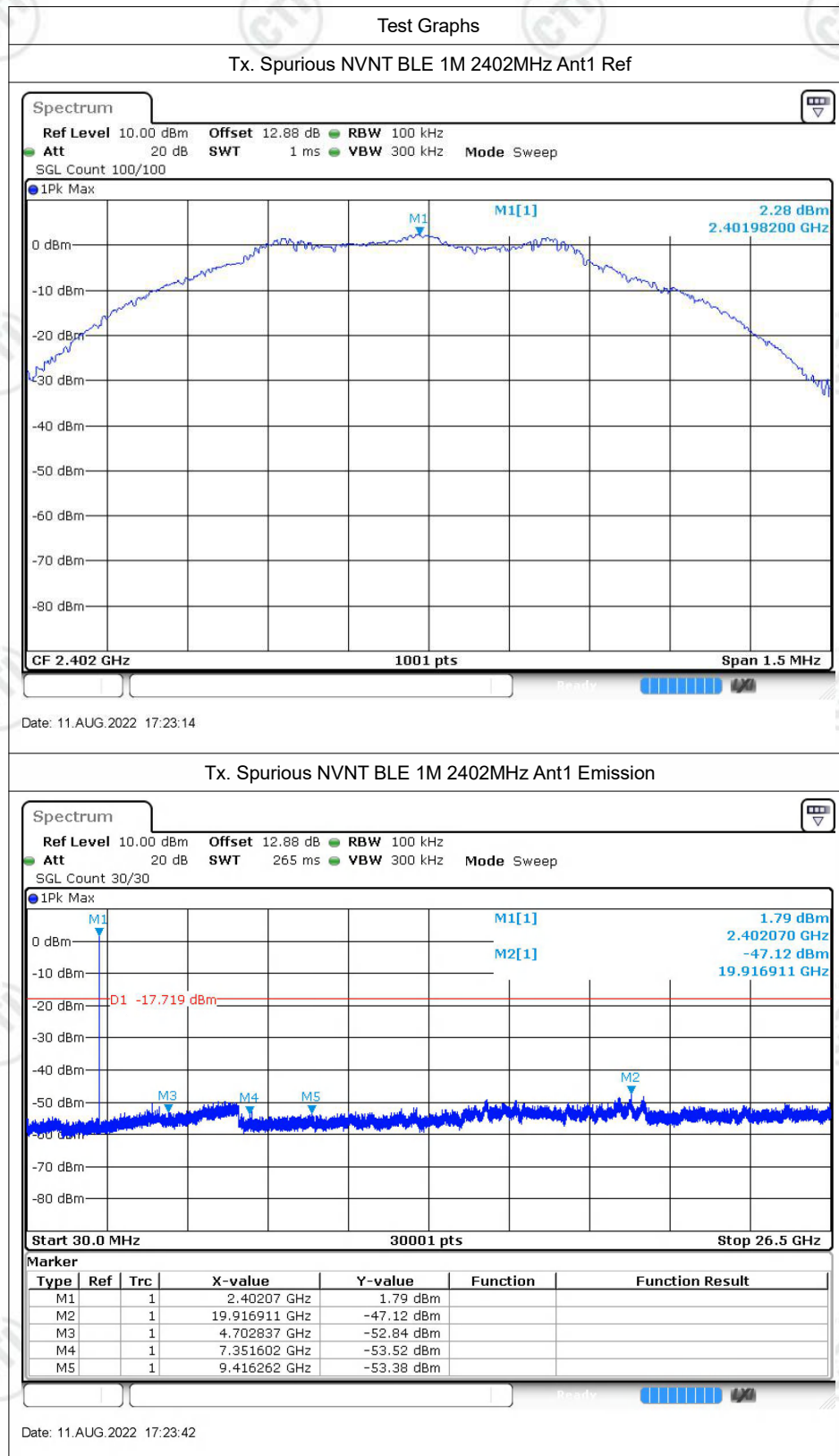
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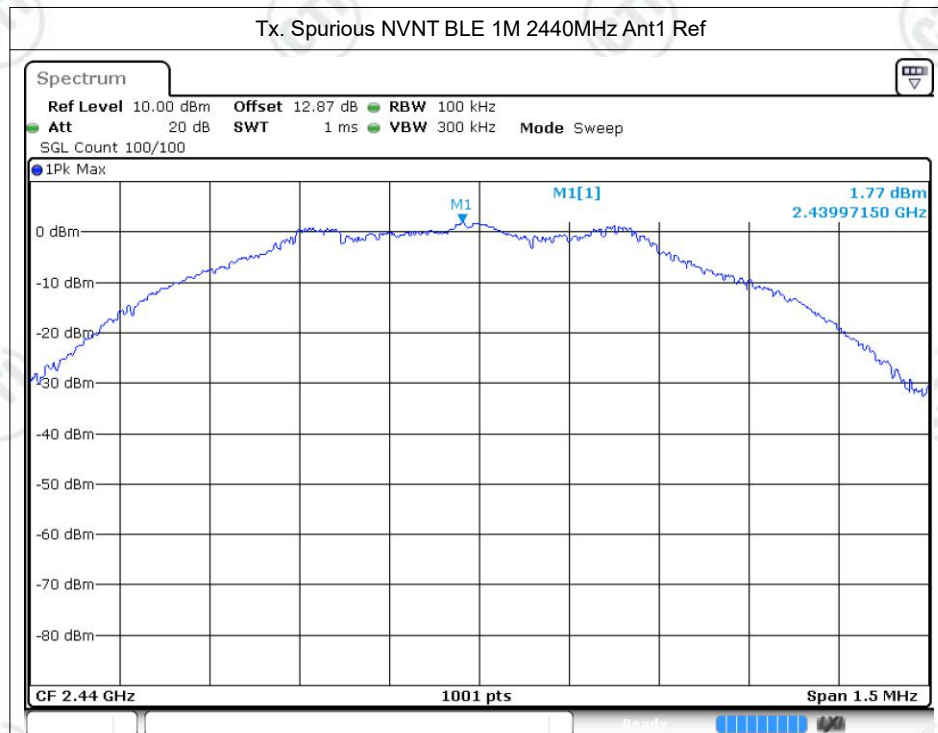


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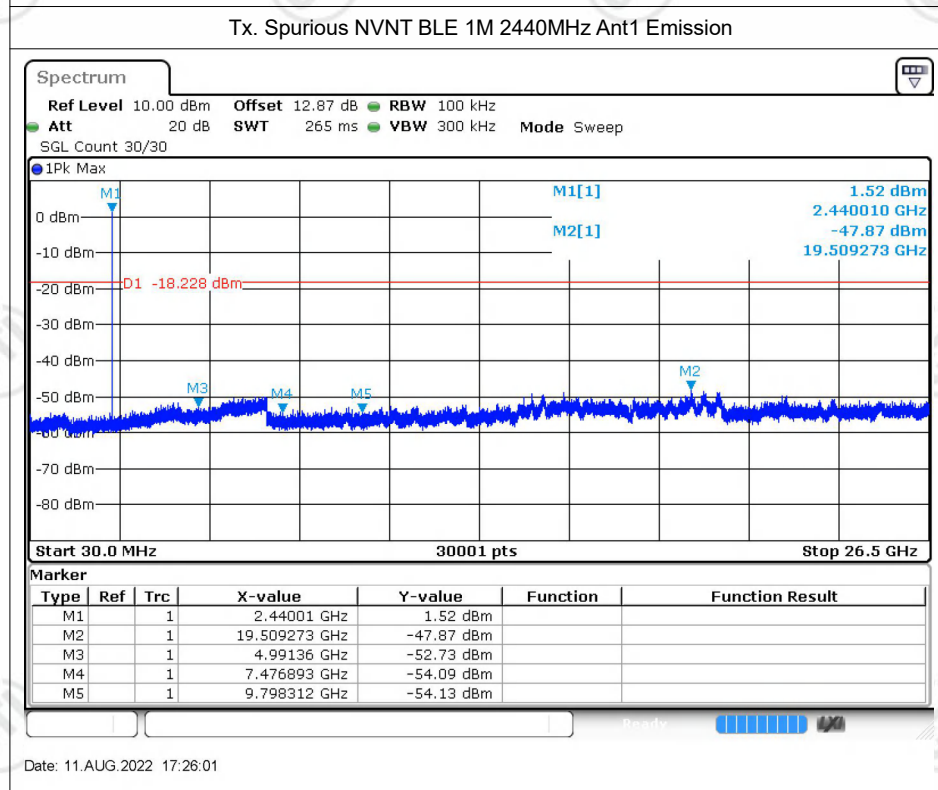
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.4	-20	Pass
NVNT	BLE 1M	2440	Ant1	-49.63	-20	Pass
NVNT	BLE 1M	2480	Ant1	-49.94	-20	Pass
NVNT	BLE 2M	2402	Ant1	-50.22	-20	Pass
NVNT	BLE 2M	2440	Ant1	-50.87	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.36	-20	Pass

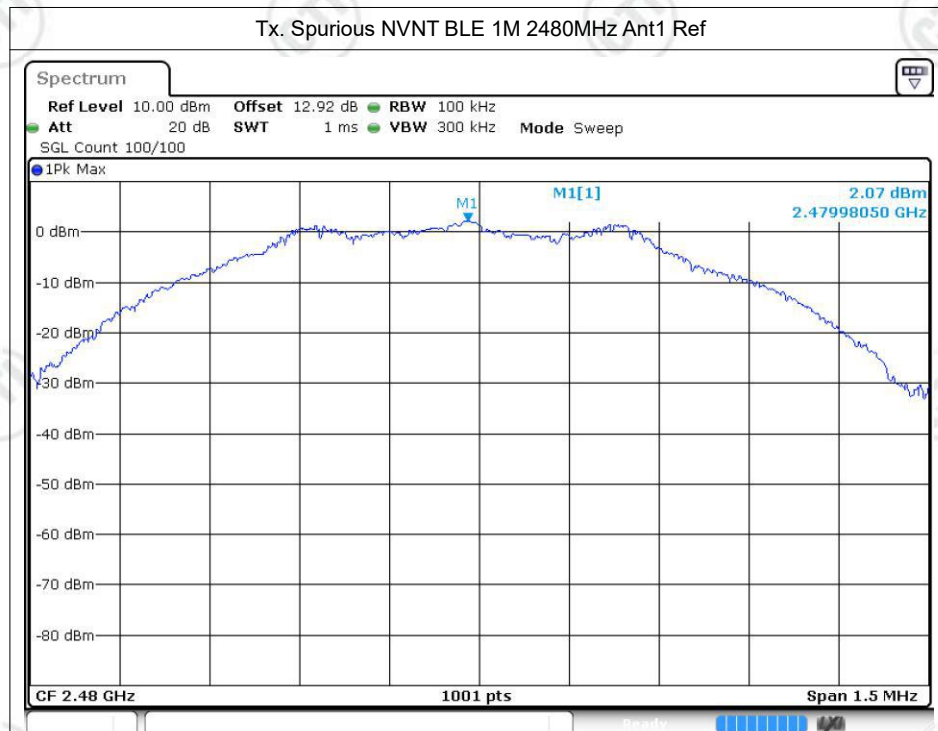




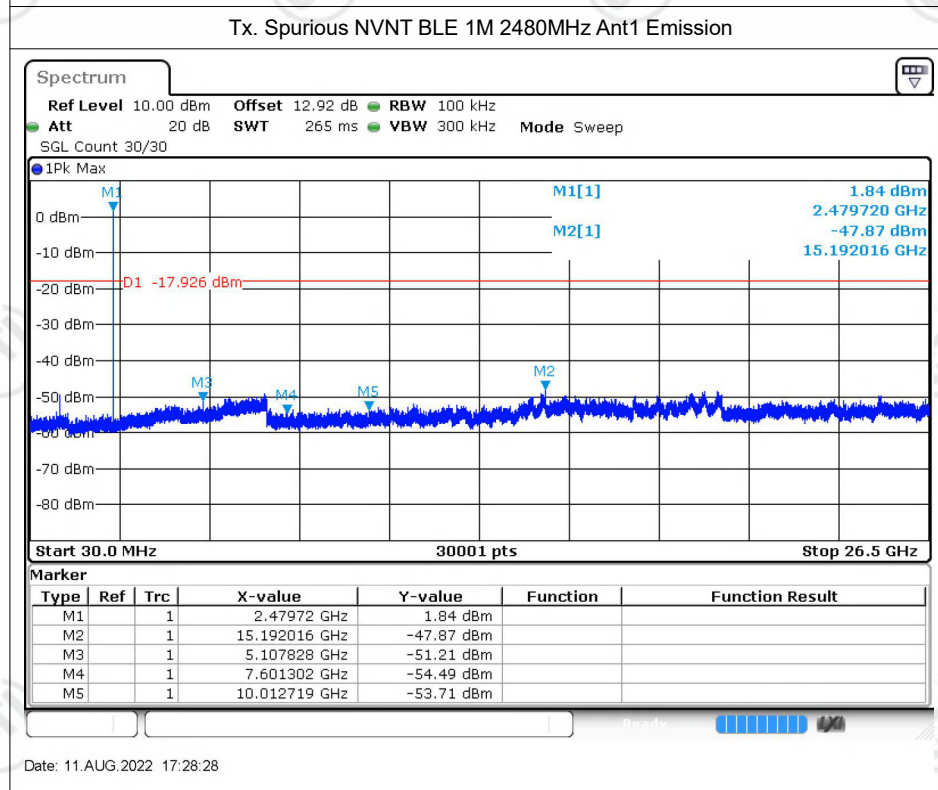
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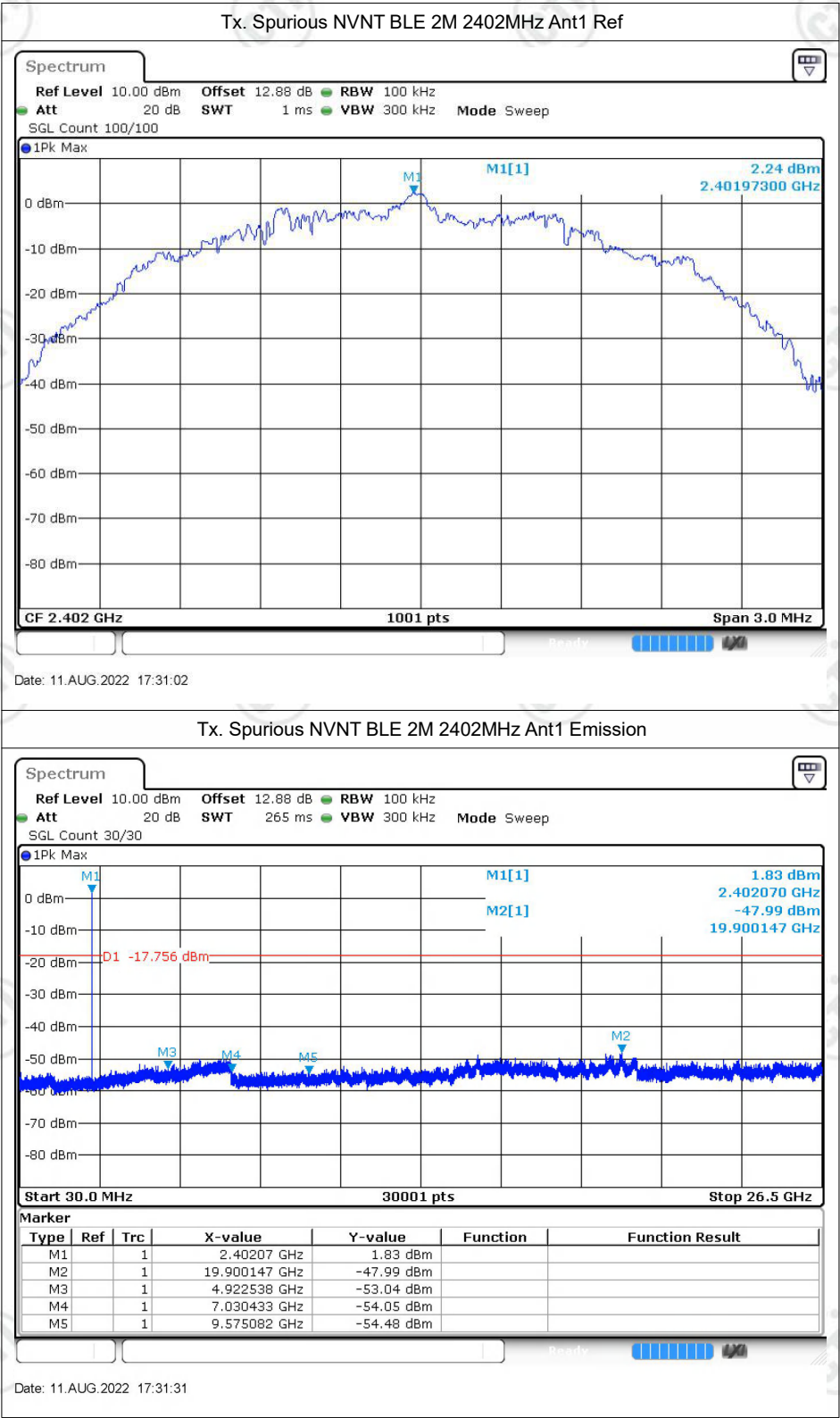
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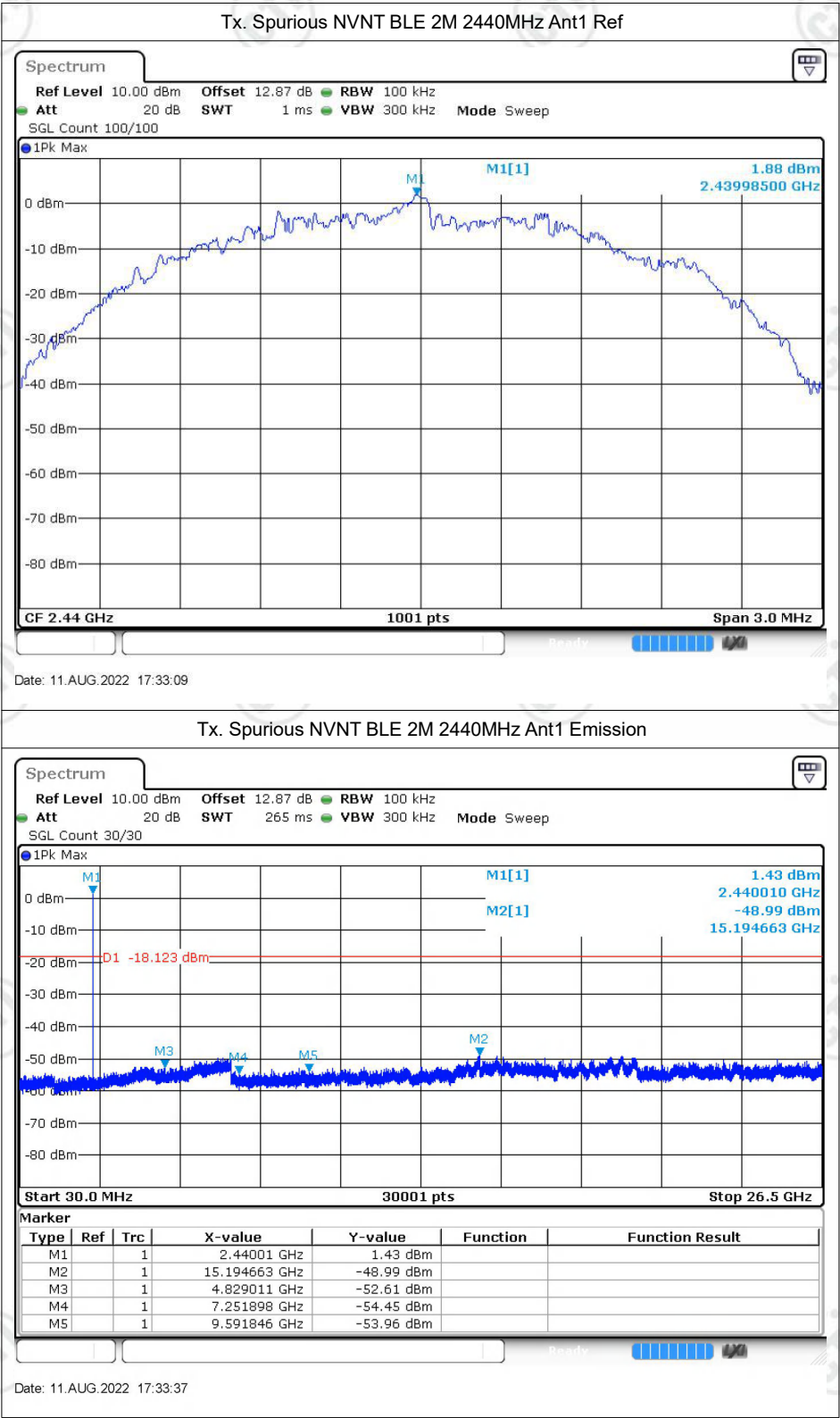


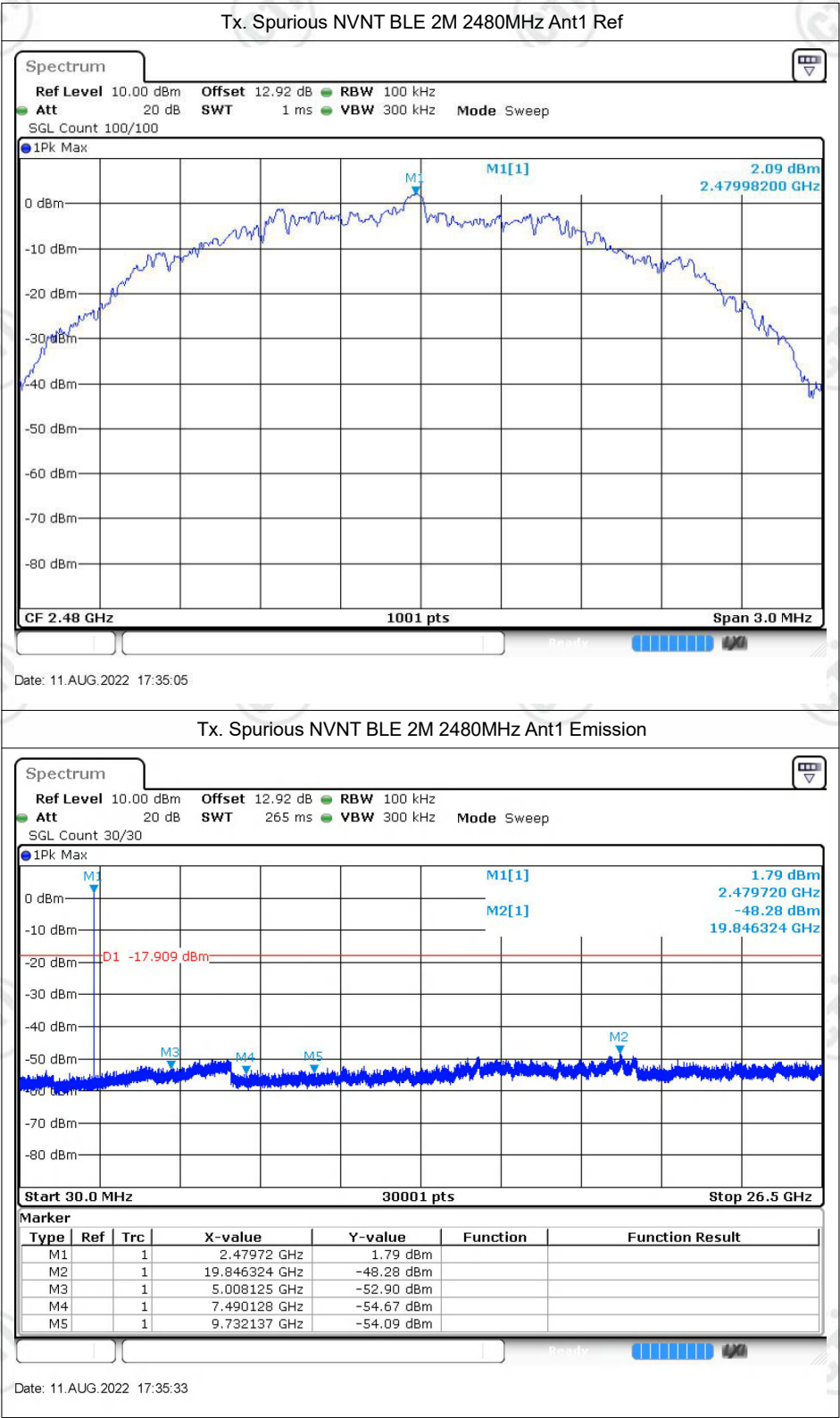
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*** End of Report ***