

Appendix: Bluetooth LE

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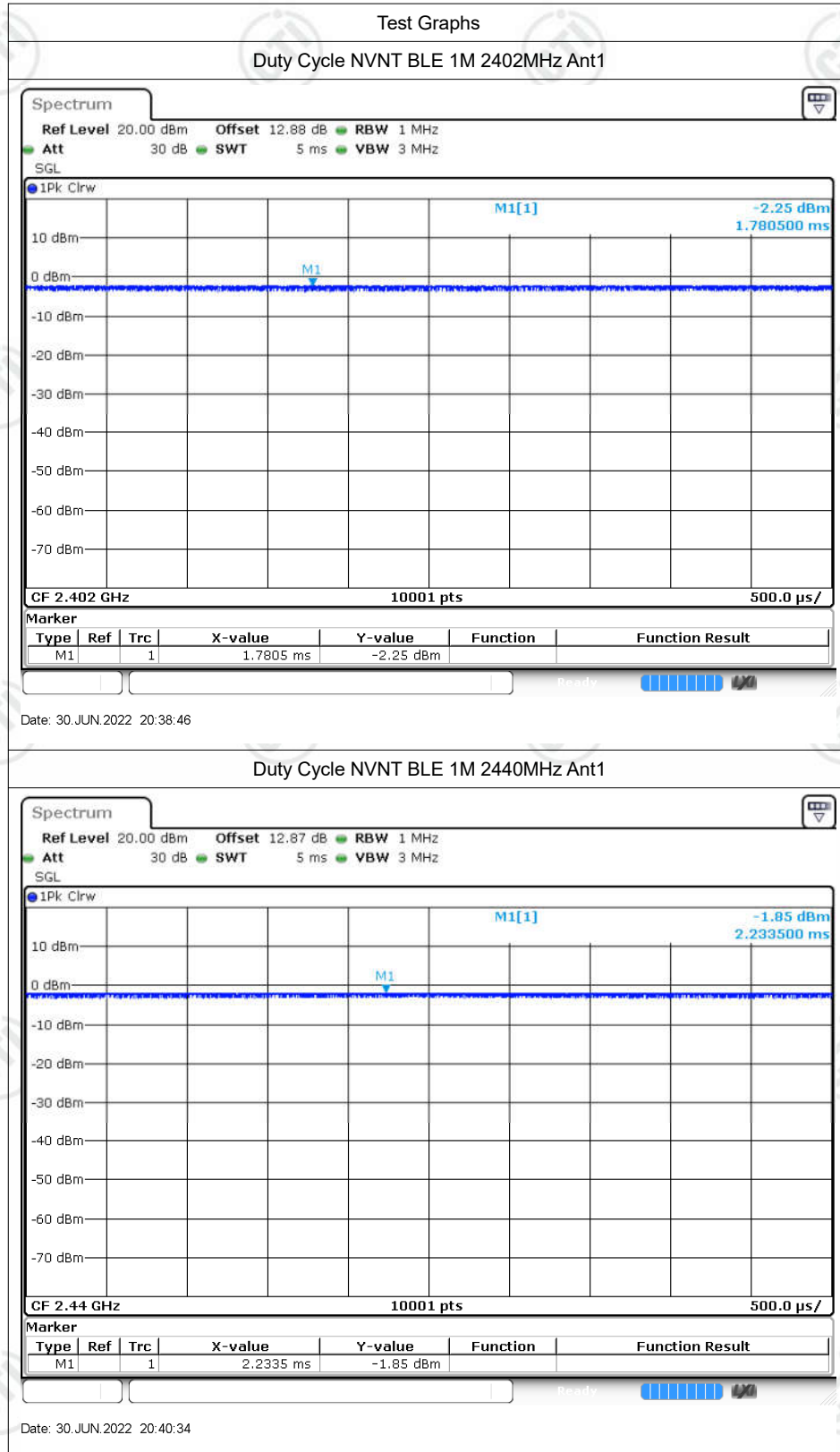
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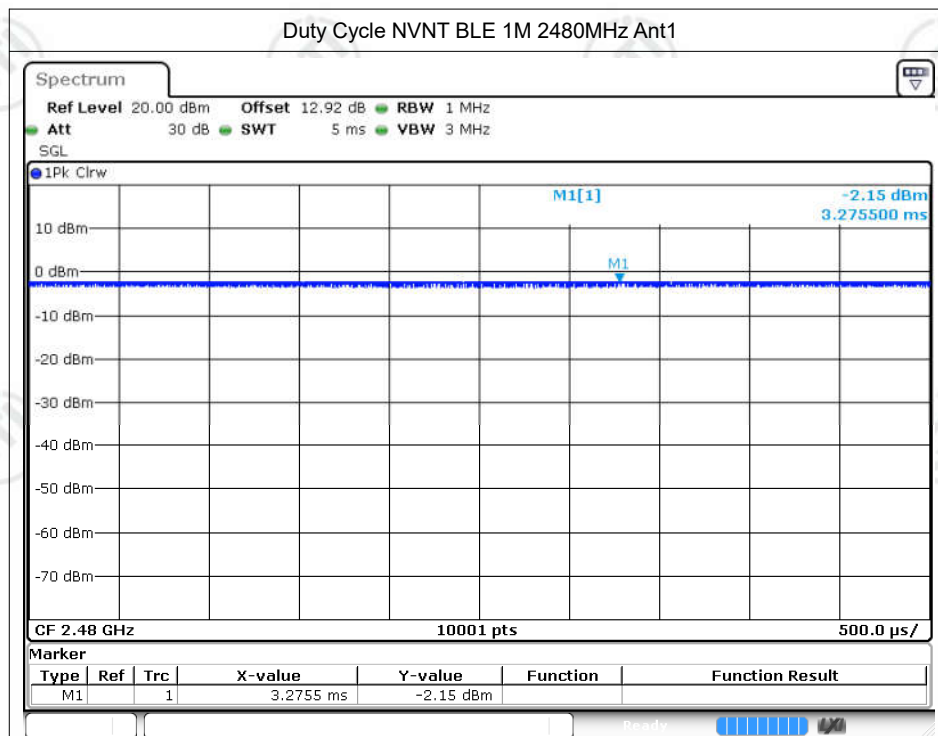
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Appendix A: Duty Cycle

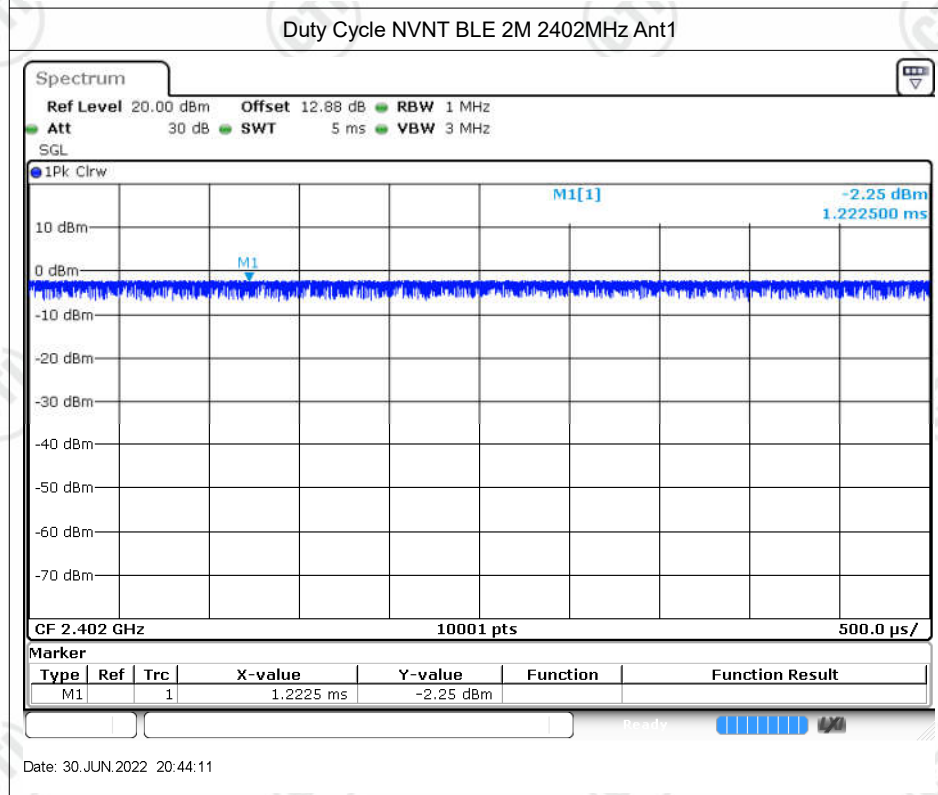
Test Result

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

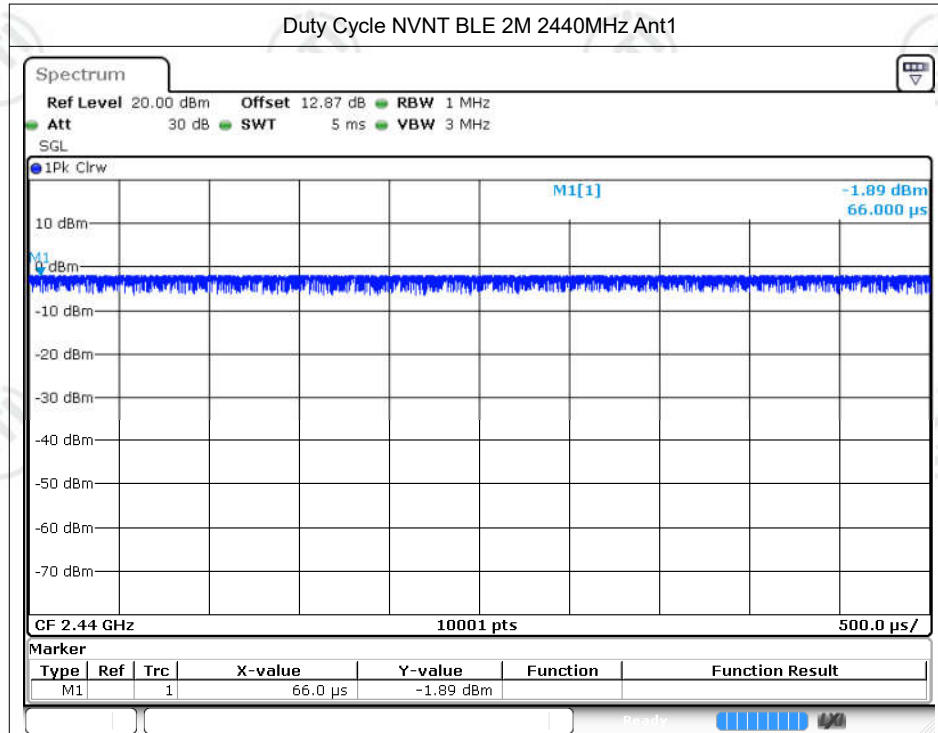




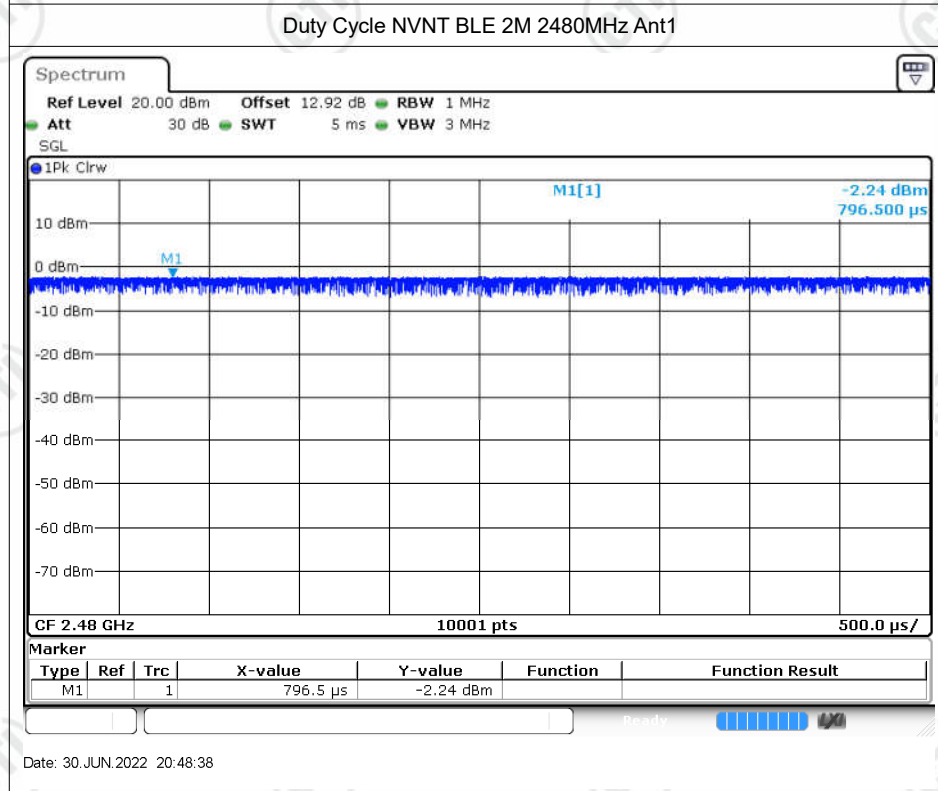
Date: 30.JUN.2022 20:42:23



Date: 30.JUN.2022 20:44:11



Date: 30.JUN.2022 20:46:04

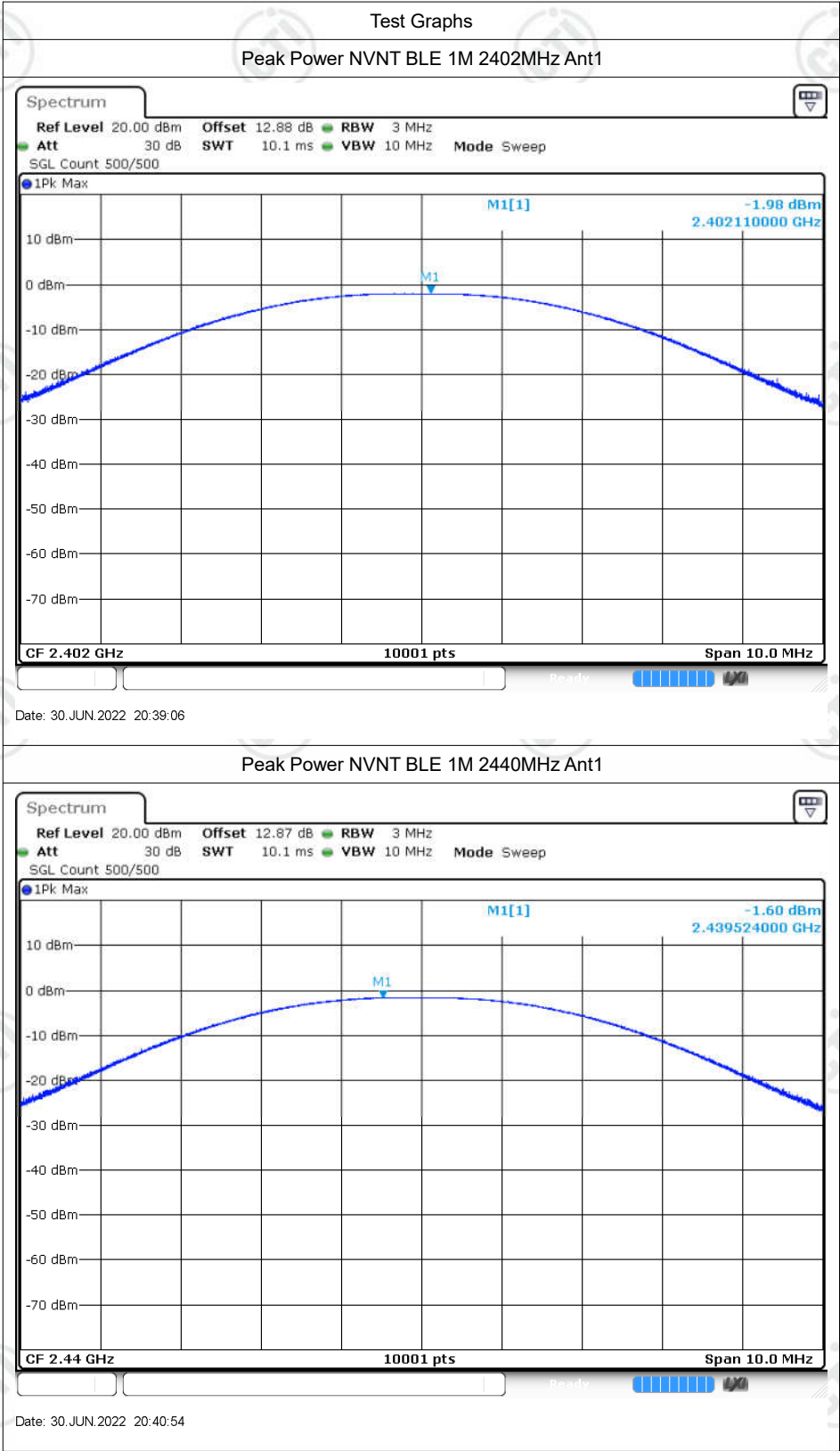


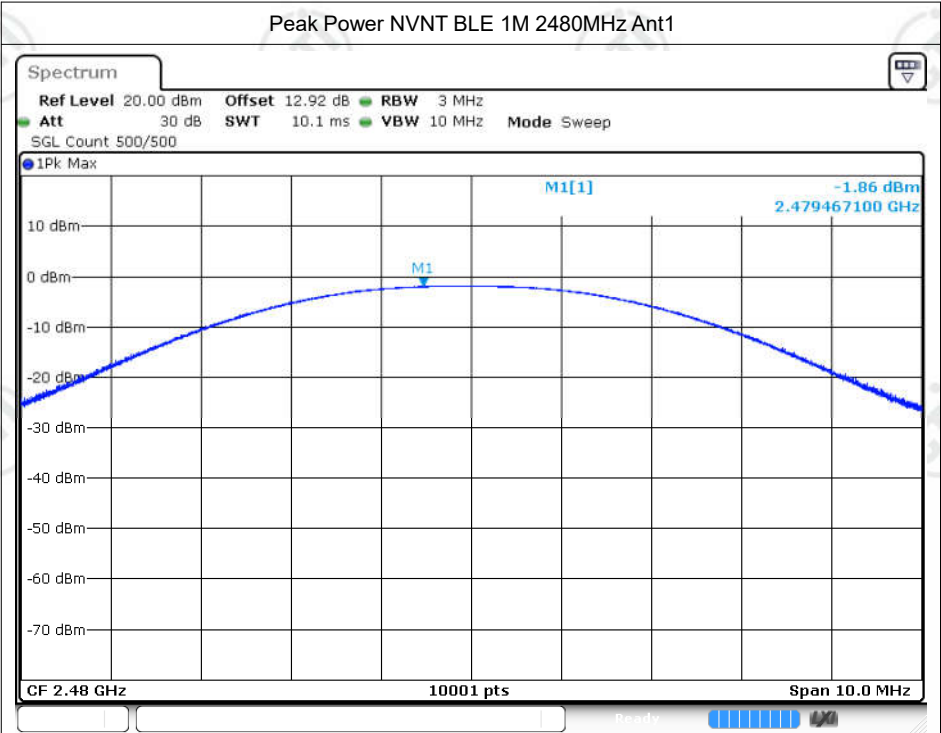
Date: 30.JUN.2022 20:48:38

Appendix B:Maximum Peak Conducted Output Power

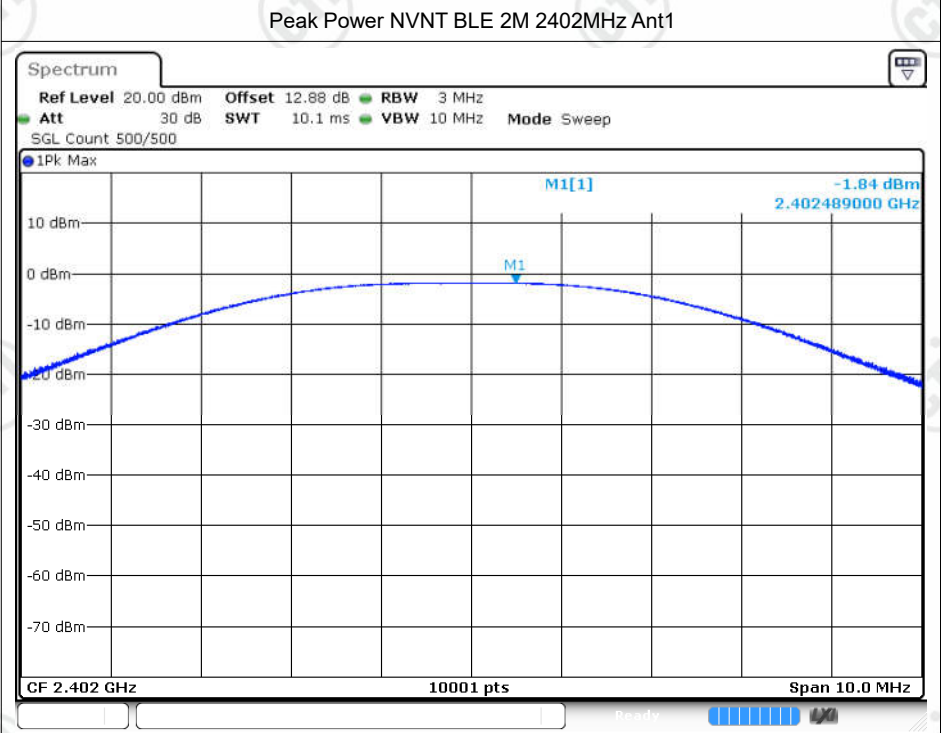
Test Result

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.98	0	-1.98	30	Pass
NVNT	BLE 1M	2440	Ant1	-1.6	0	-1.6	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.86	0	-1.86	30	Pass
NVNT	BLE 2M	2402	Ant1	-1.84	0	-1.84	30	Pass
NVNT	BLE 2M	2440	Ant1	-1.49	0	-1.49	30	Pass
NVNT	BLE 2M	2480	Ant1	-1.85	0	-1.85	30	Pass

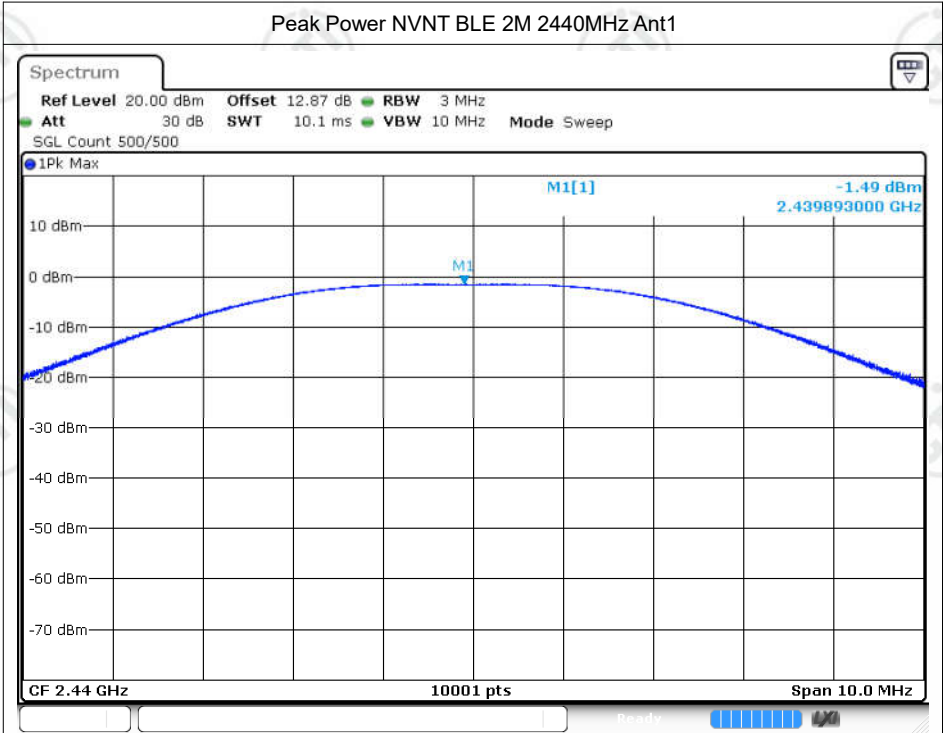




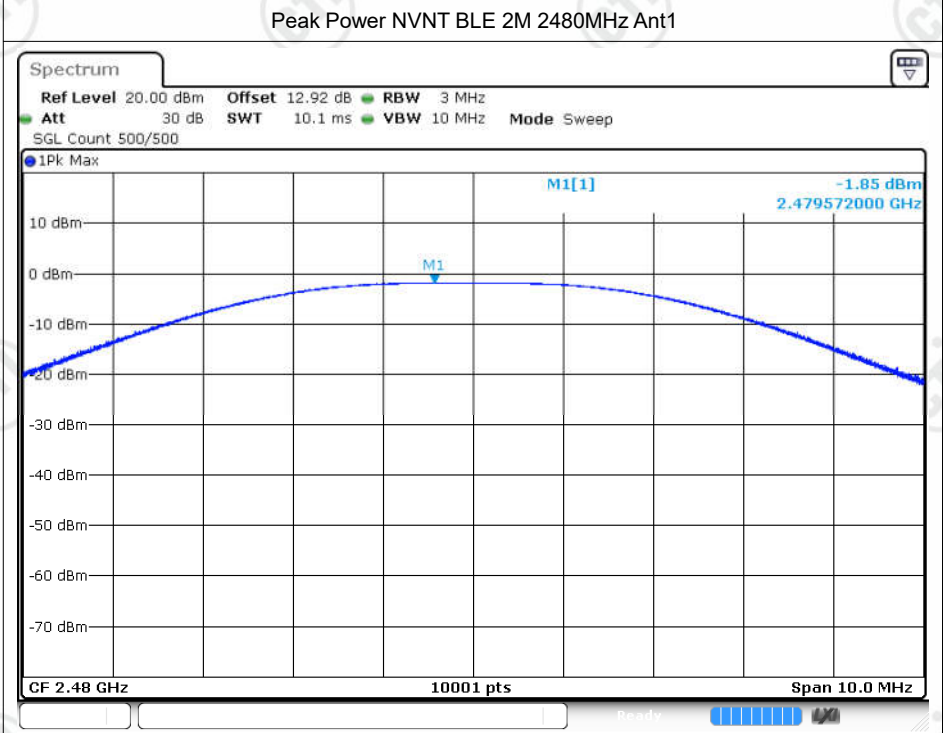
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Date: 30.JUN.2022 20:44:31



Date: 30.JUN.2022 20:46:24

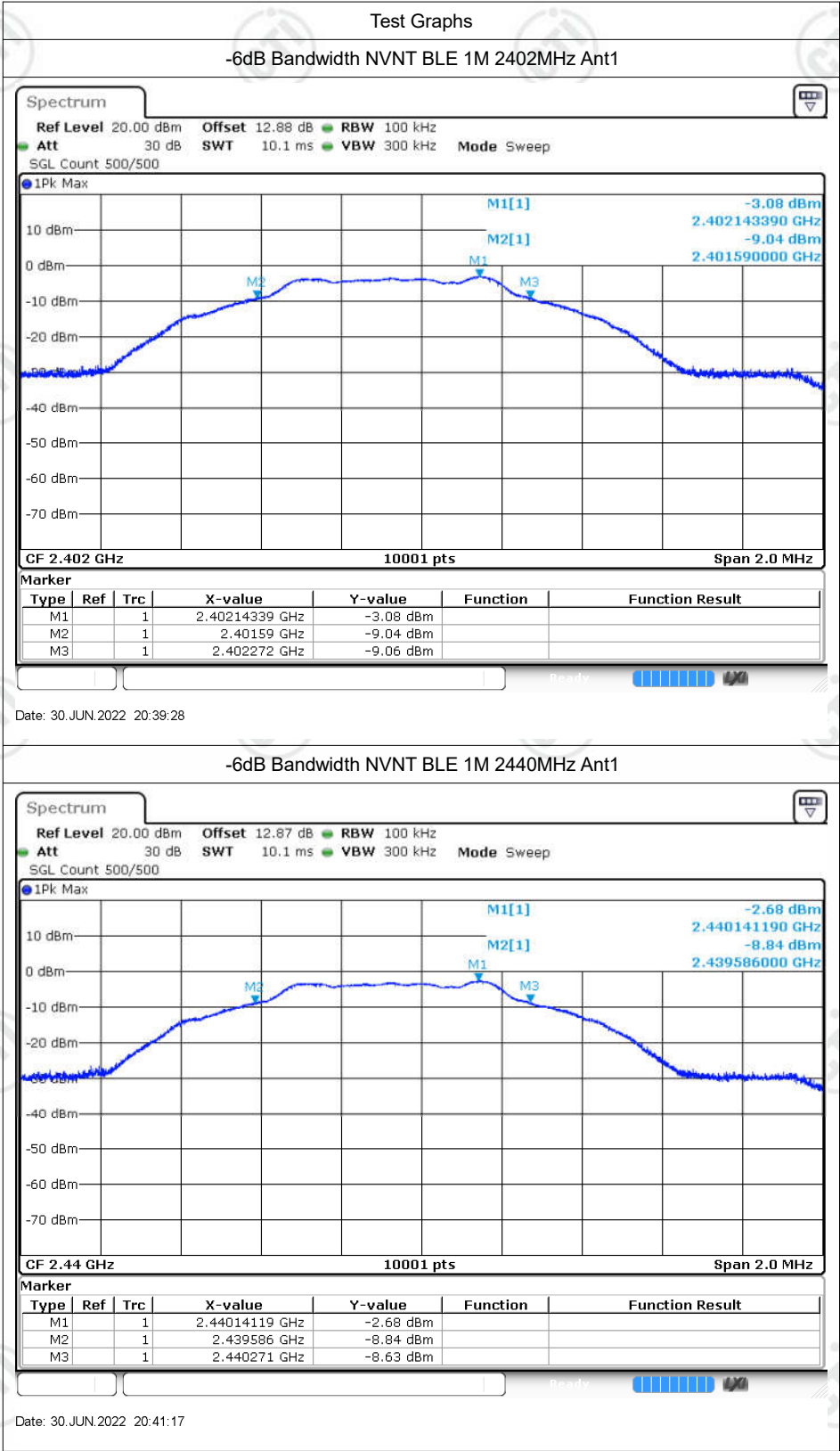


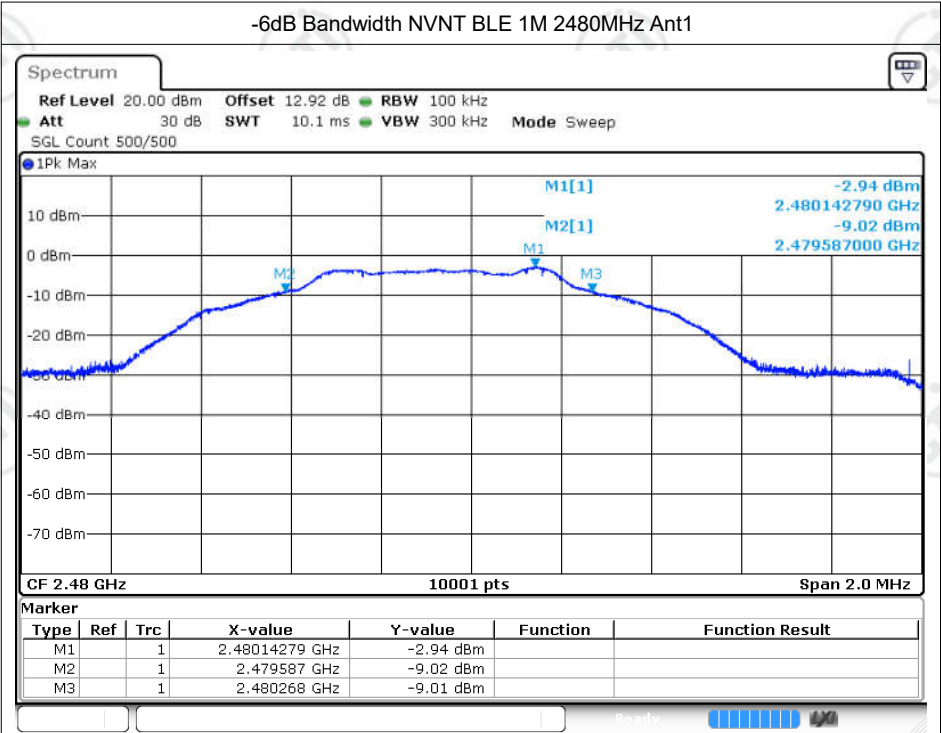
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Appendix C: -6dB Bandwidth

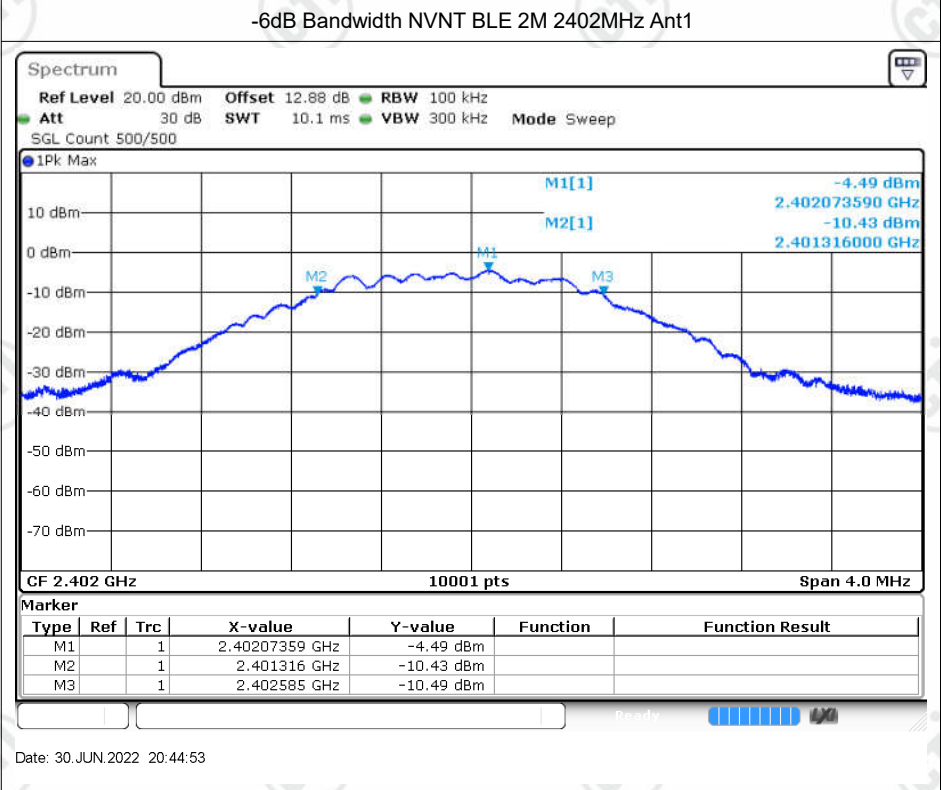
Test Result

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.682	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.685	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.681	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.269	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.274	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.324	0.5	Pass

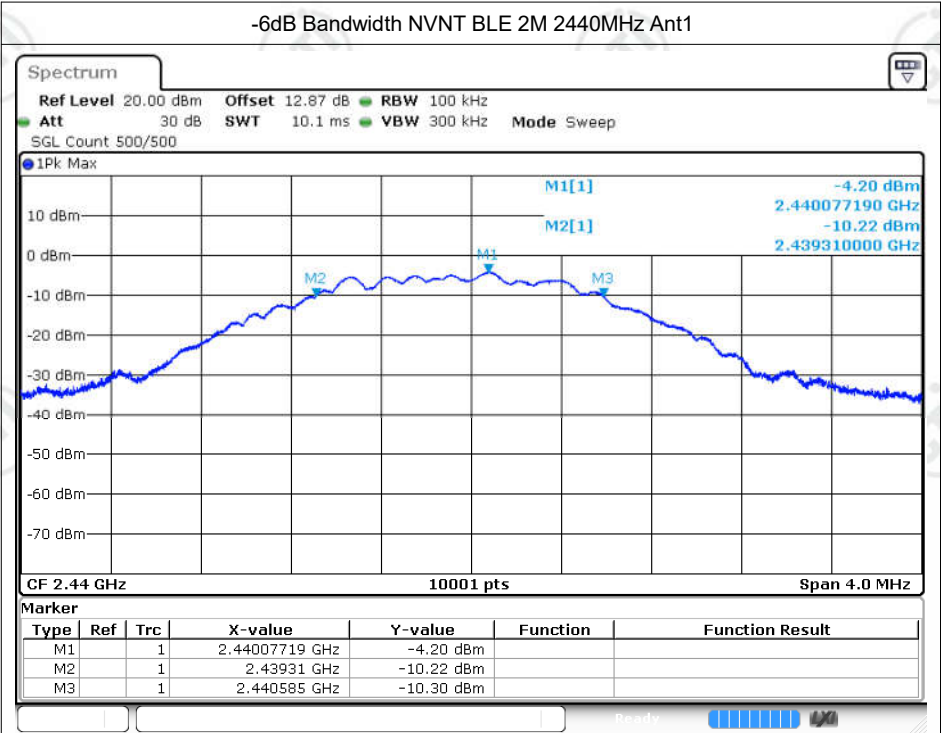




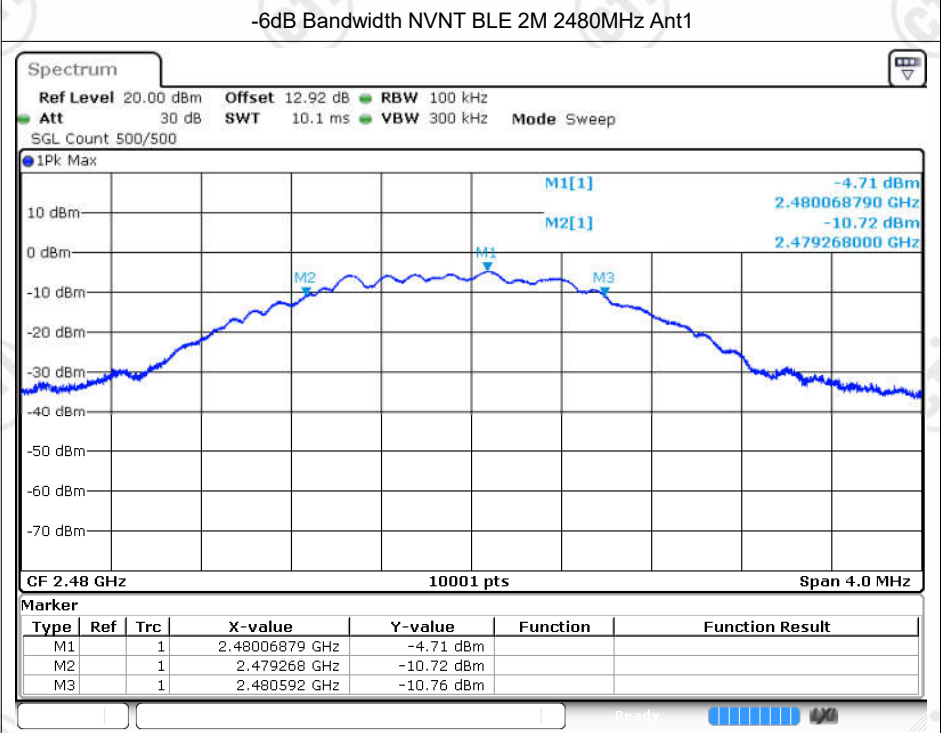
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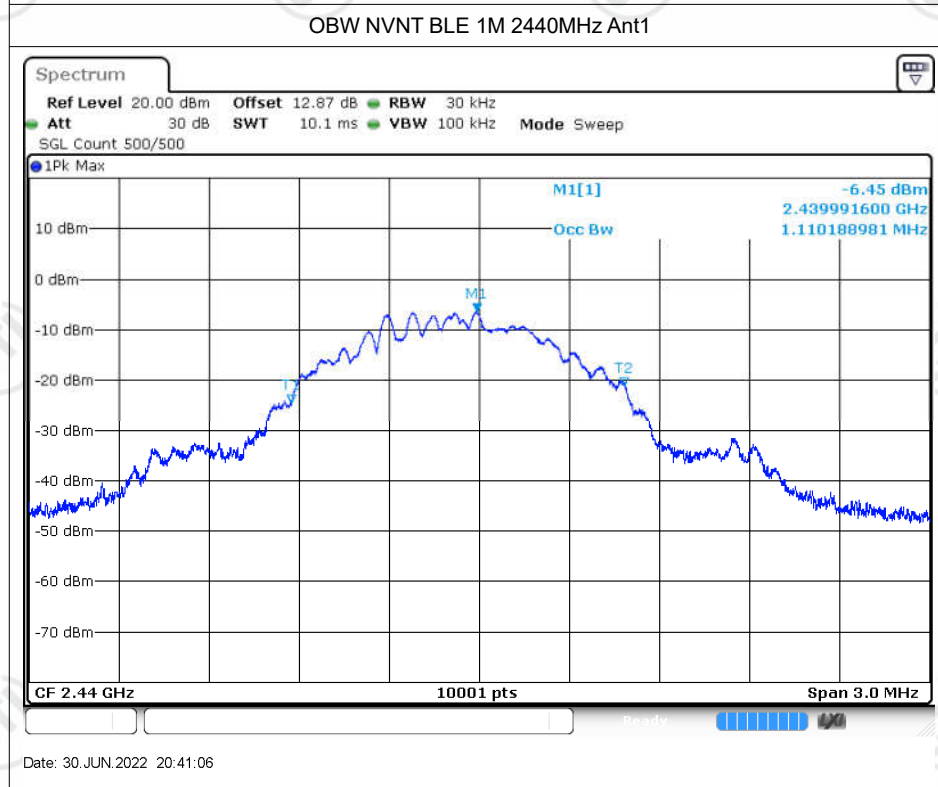
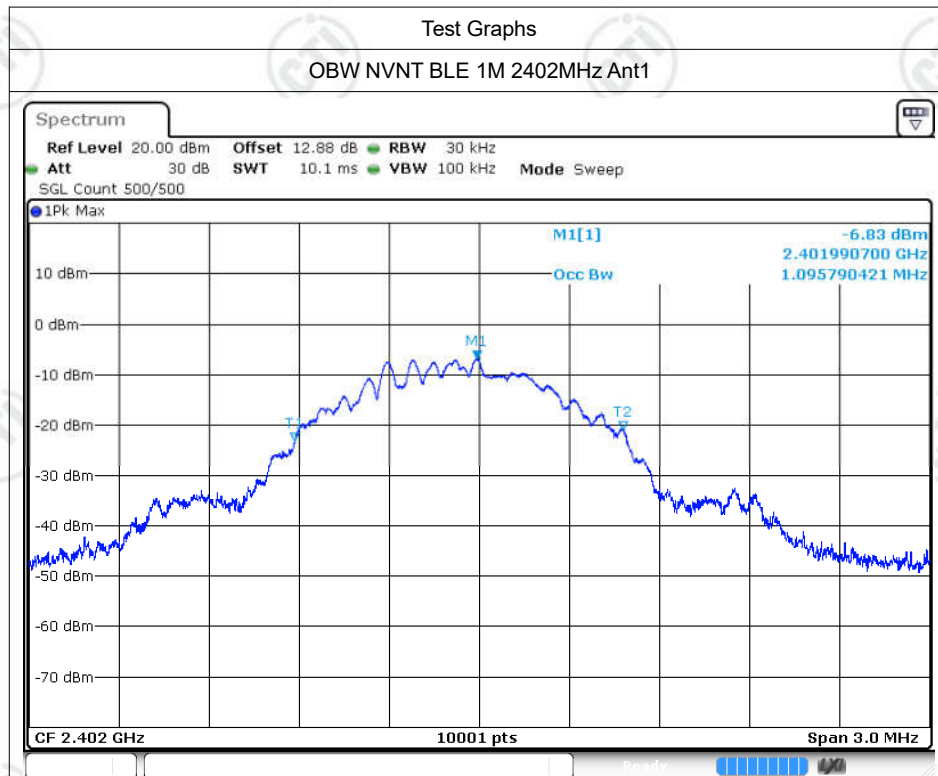


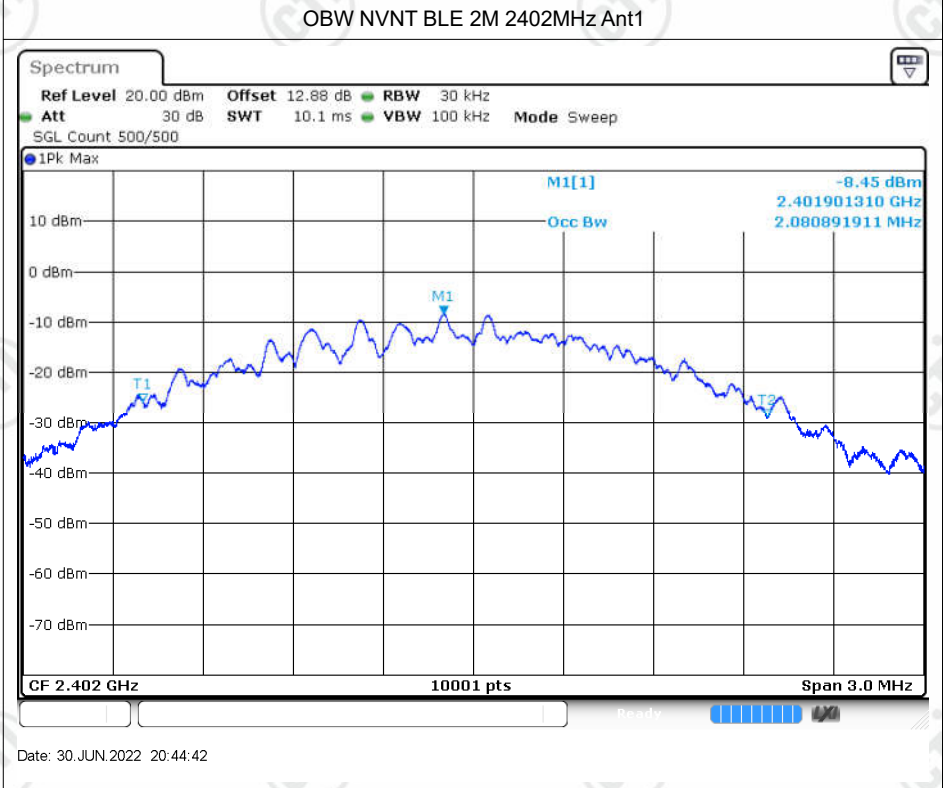
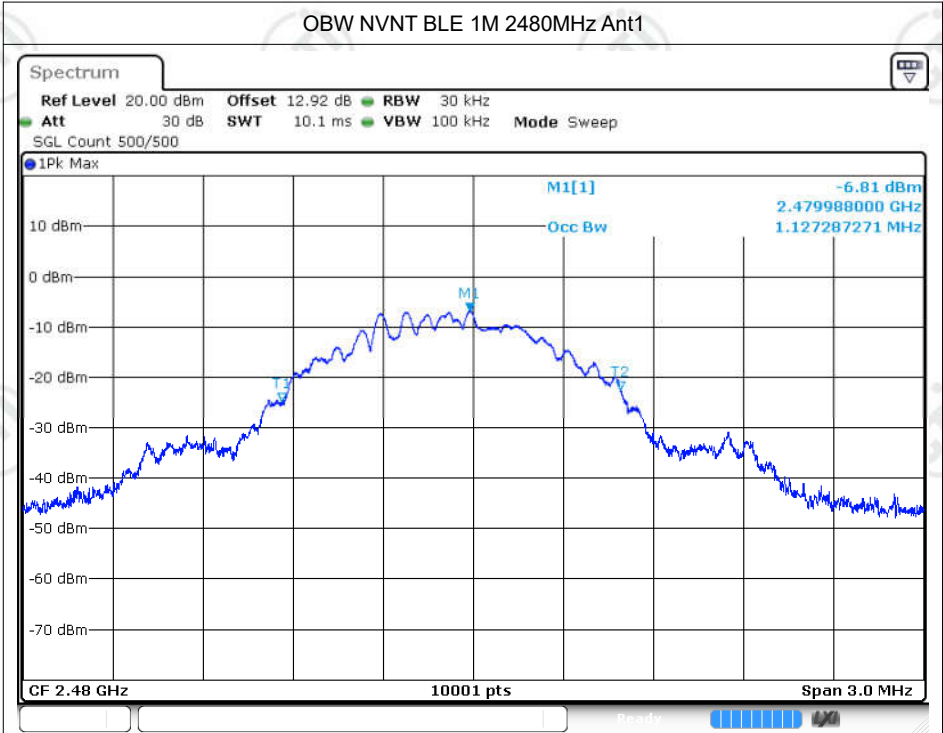
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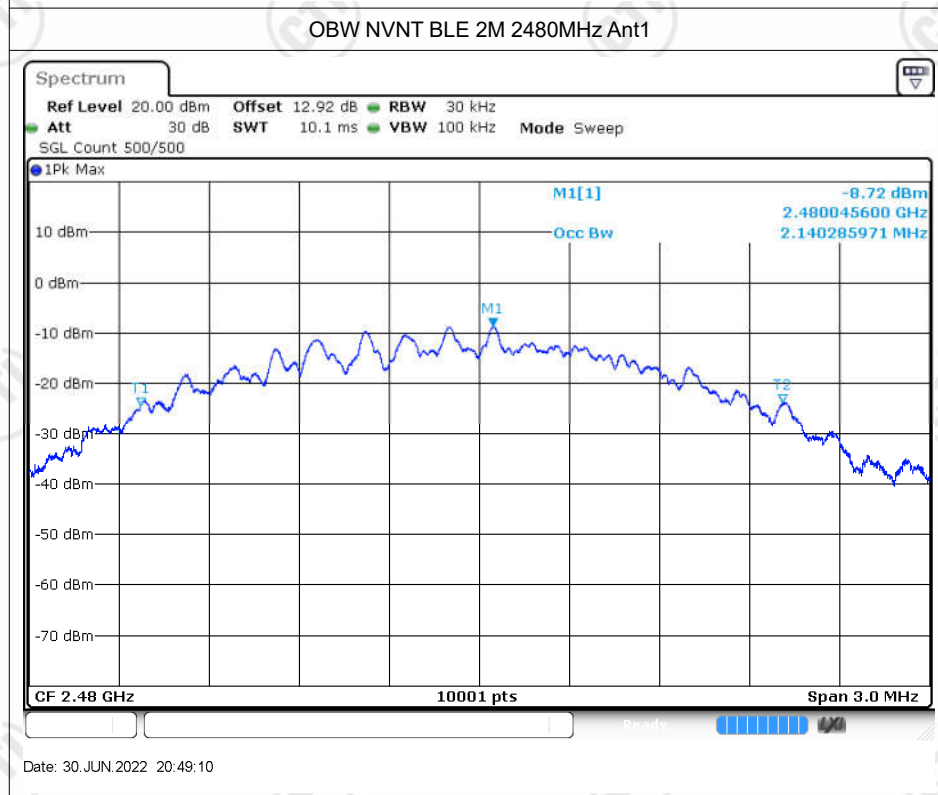
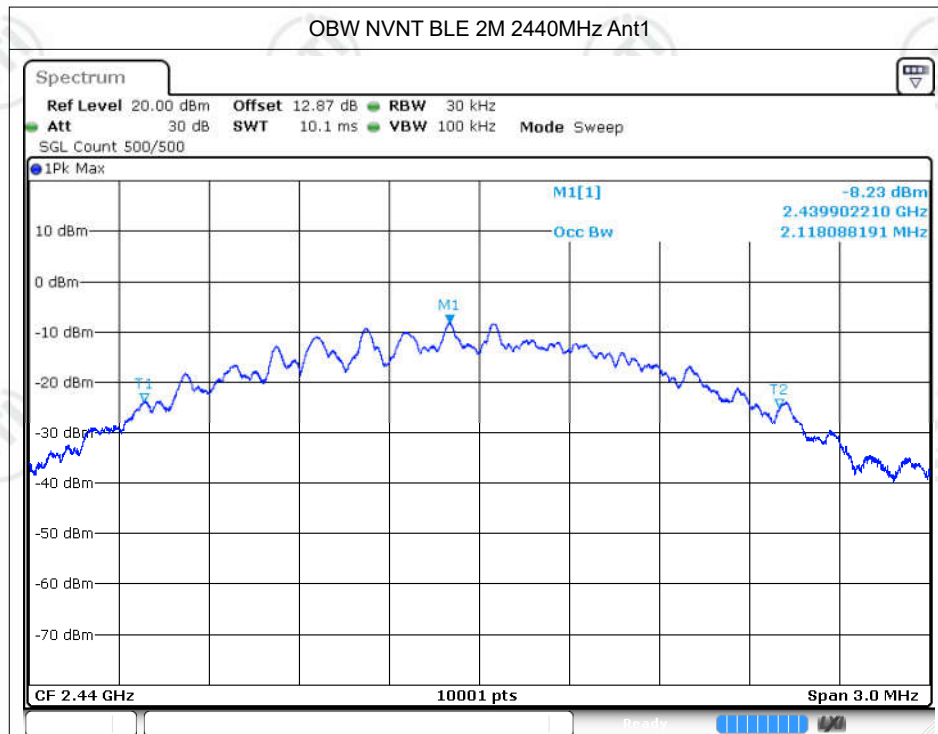
Appendix D: Occupied Channel Bandwidth

Test Result

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.096
NVNT	BLE 1M	2440	Ant1	1.11
NVNT	BLE 1M	2480	Ant1	1.127
NVNT	BLE 2M	2402	Ant1	2.081
NVNT	BLE 2M	2440	Ant1	2.118
NVNT	BLE 2M	2480	Ant1	2.14



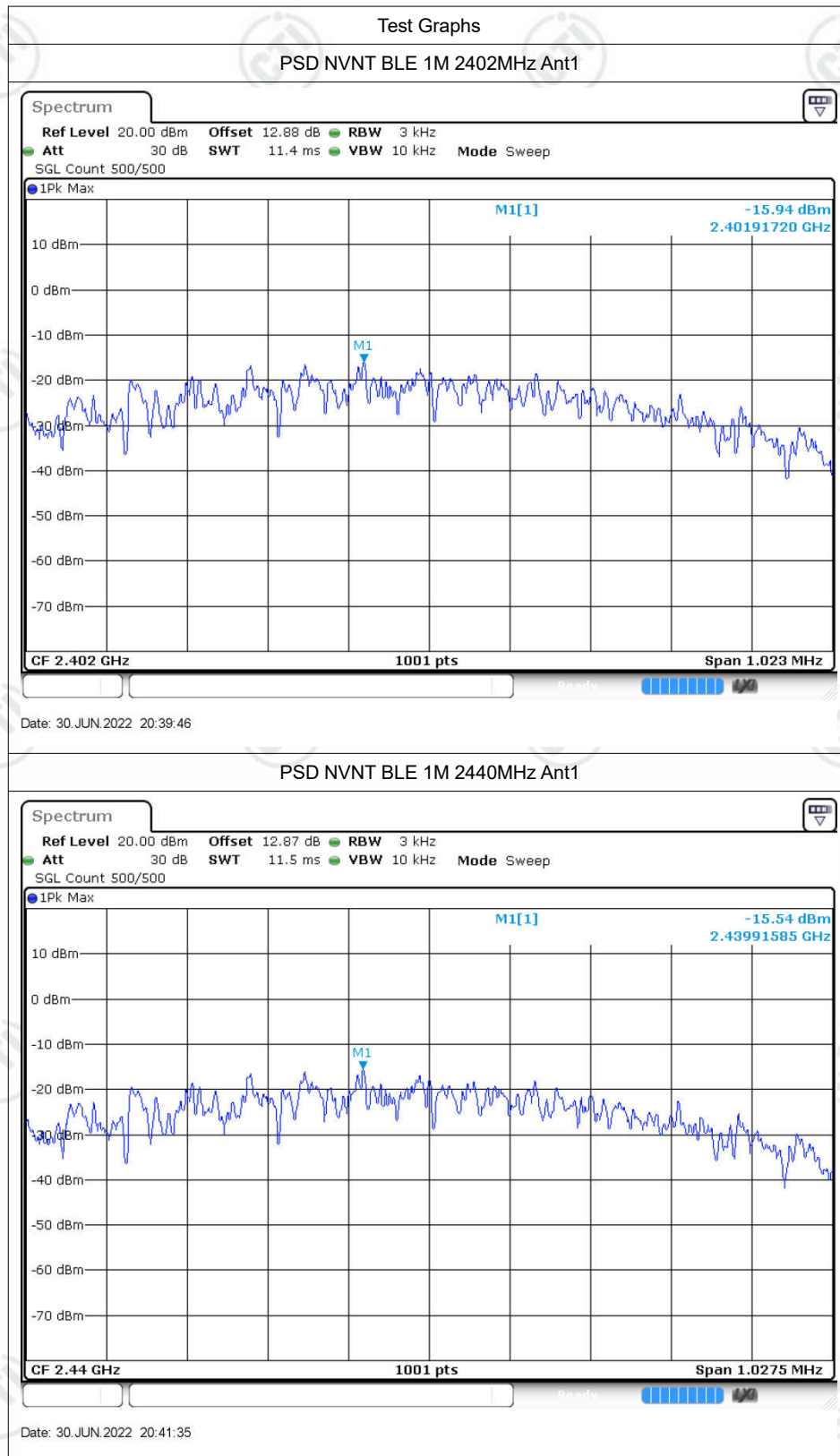


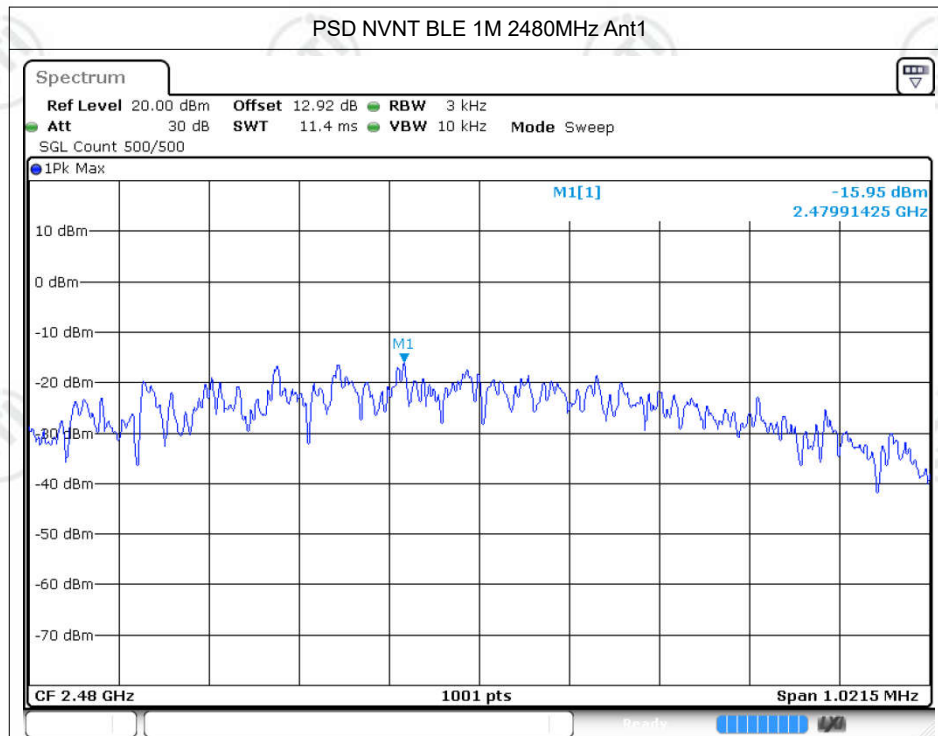


Appendix E:Maximum Power Spectral Density Level

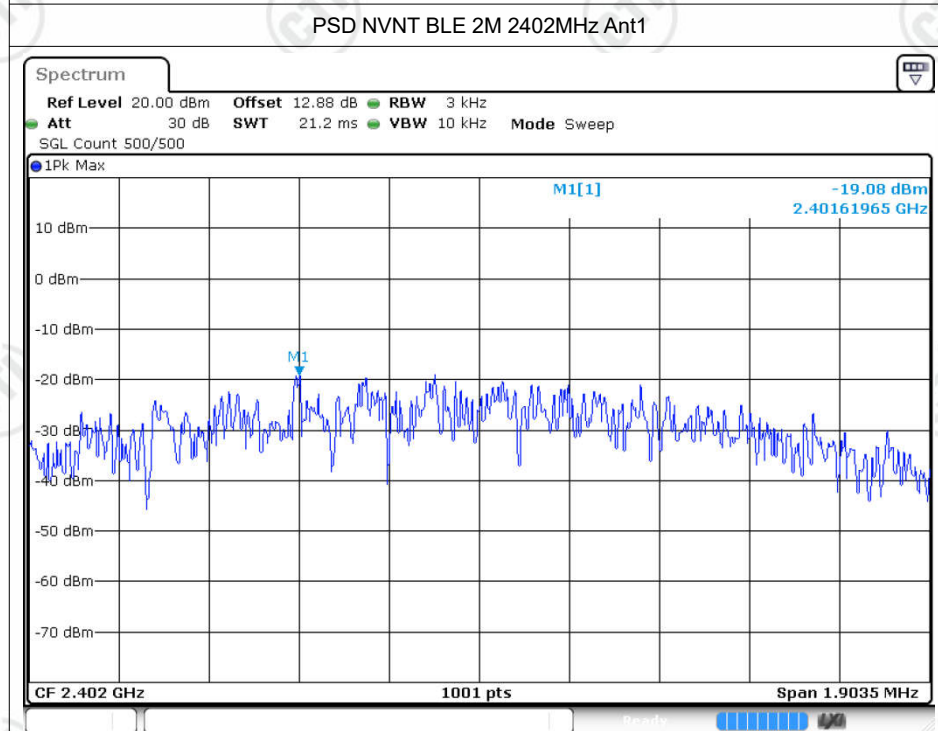
Test Result

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	-15.94	0	-15.94	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.54	0	-15.54	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.95	0	-15.95	8	Pass
NVNT	BLE 2M	2402	Ant1	-19.08	0	-19.08	8	Pass
NVNT	BLE 2M	2440	Ant1	-18.78	0	-18.78	8	Pass
NVNT	BLE 2M	2480	Ant1	-19.23	0	-19.23	8	Pass

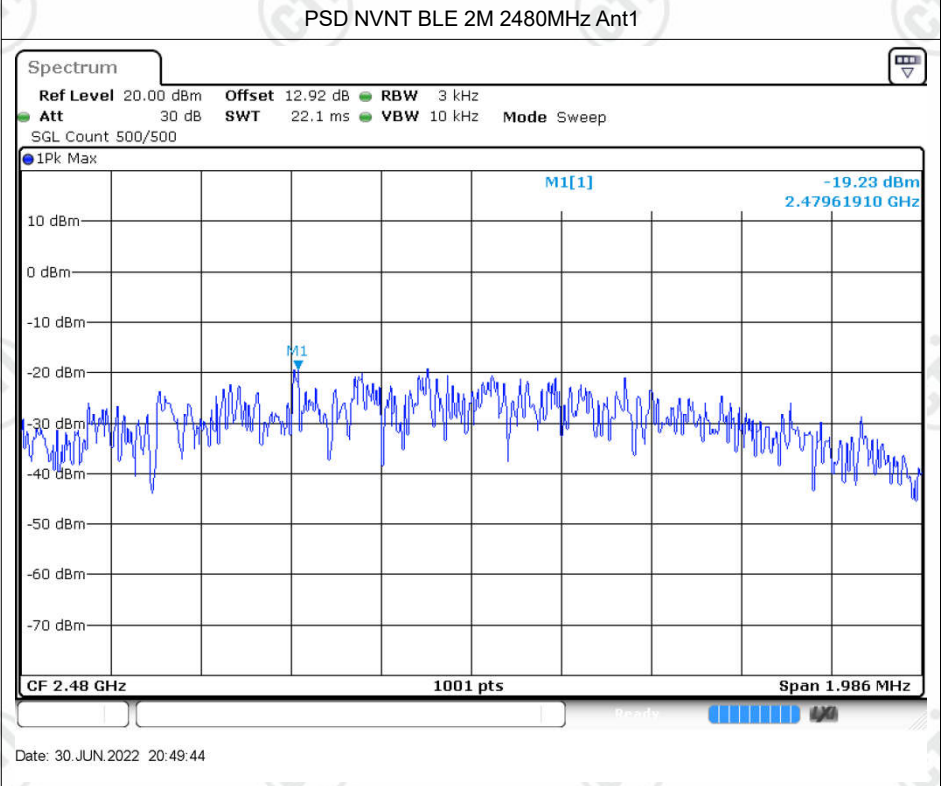
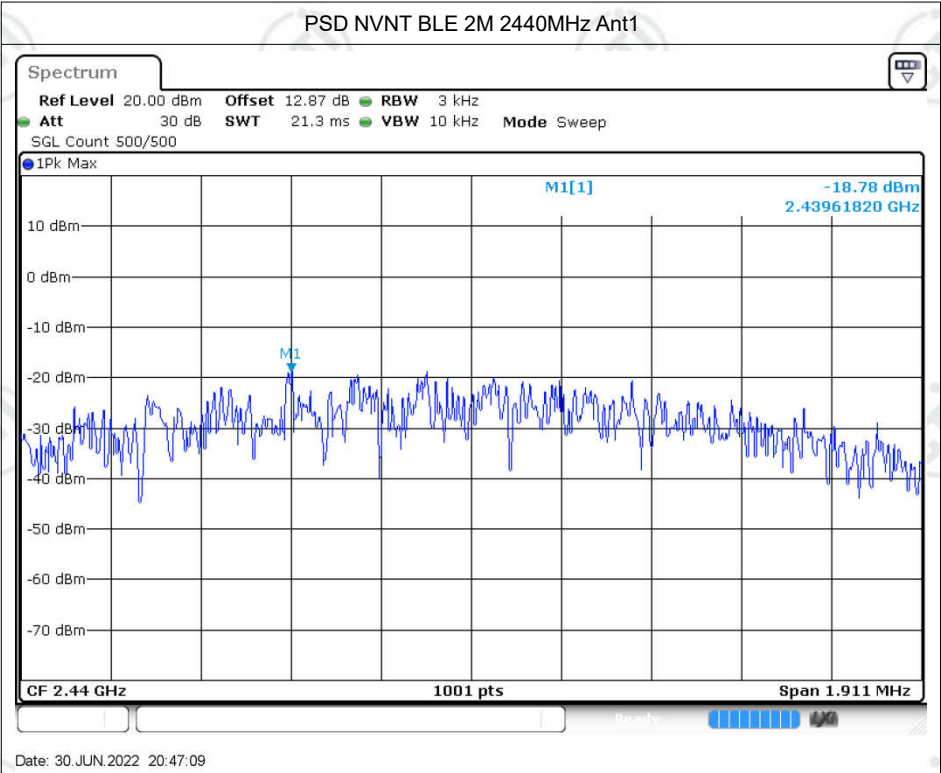




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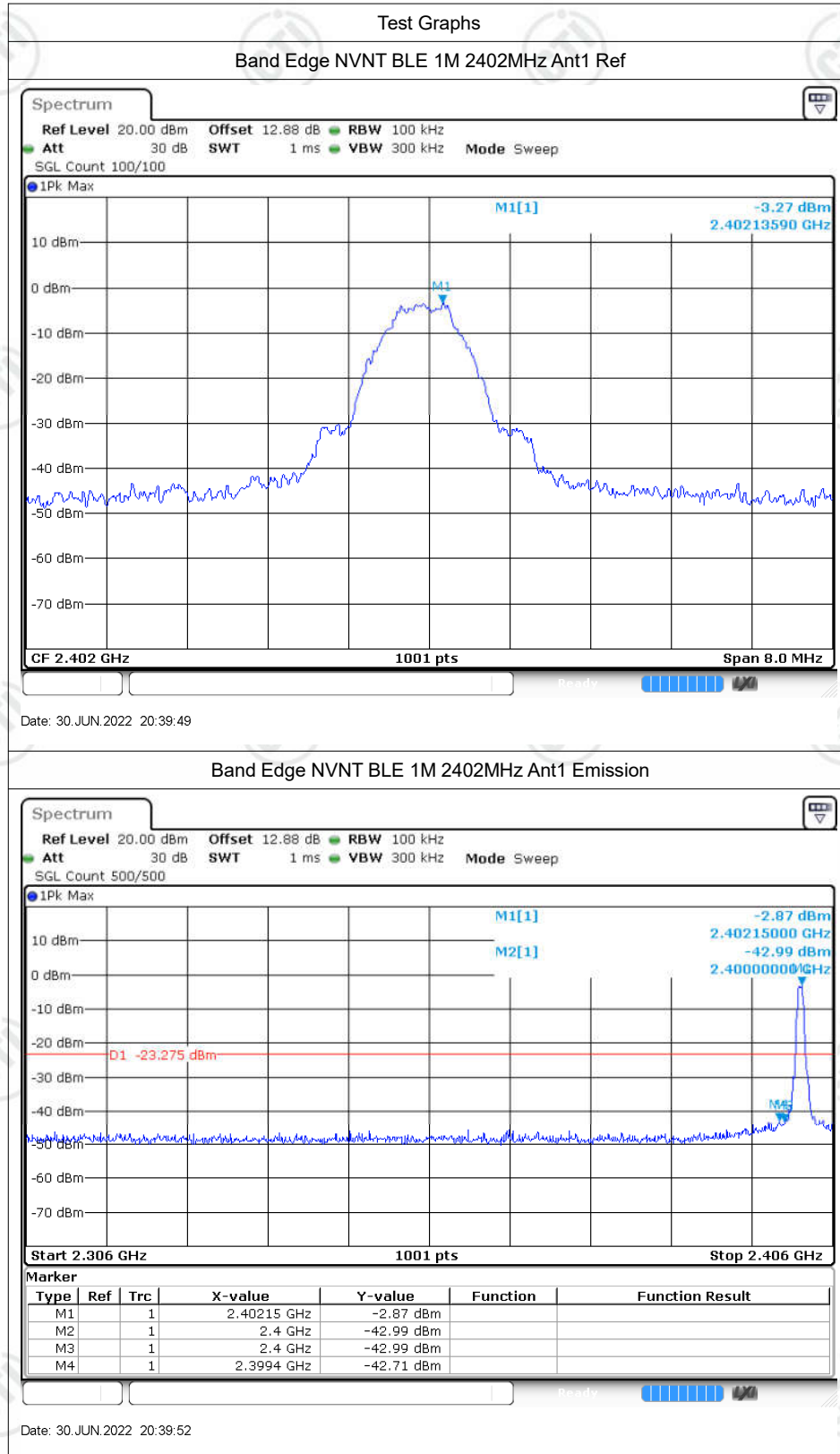
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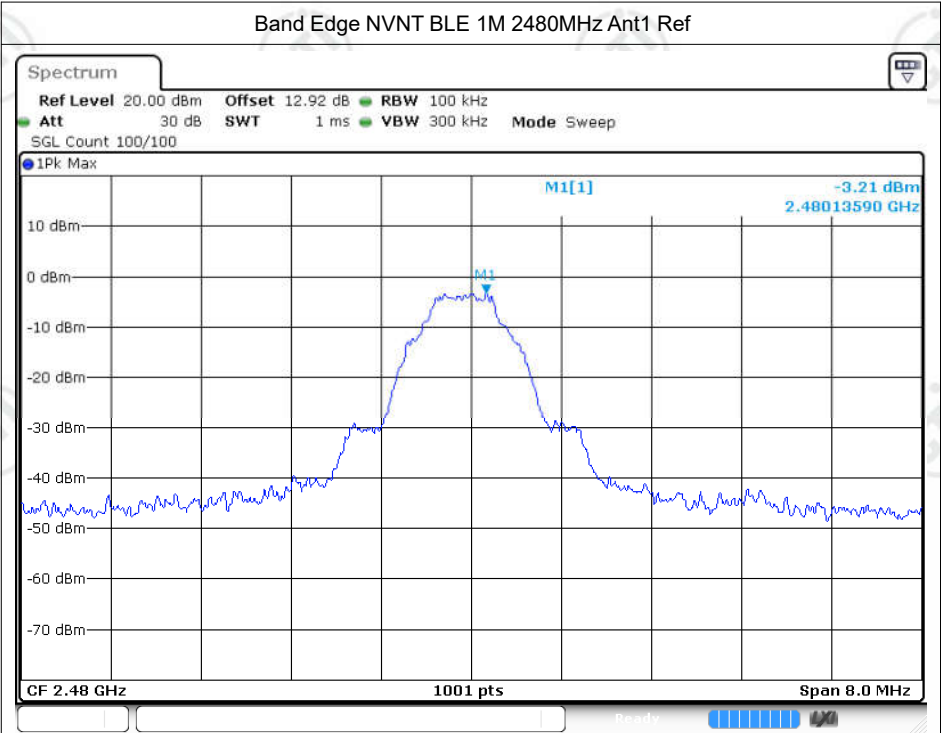


Appendix F: Band Edge

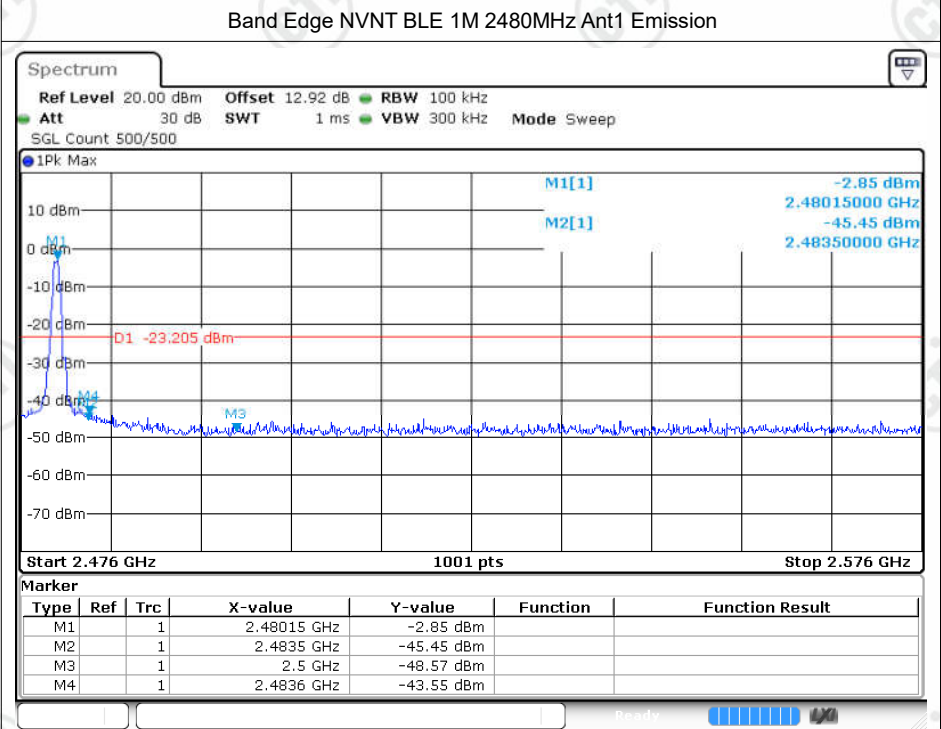
Test Result

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.43	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.33	-20	Pass
NVNT	BLE 2M	2402	Ant1	-29.84	-20	Pass
NVNT	BLE 2M	2480	Ant1	-35.01	-20	Pass

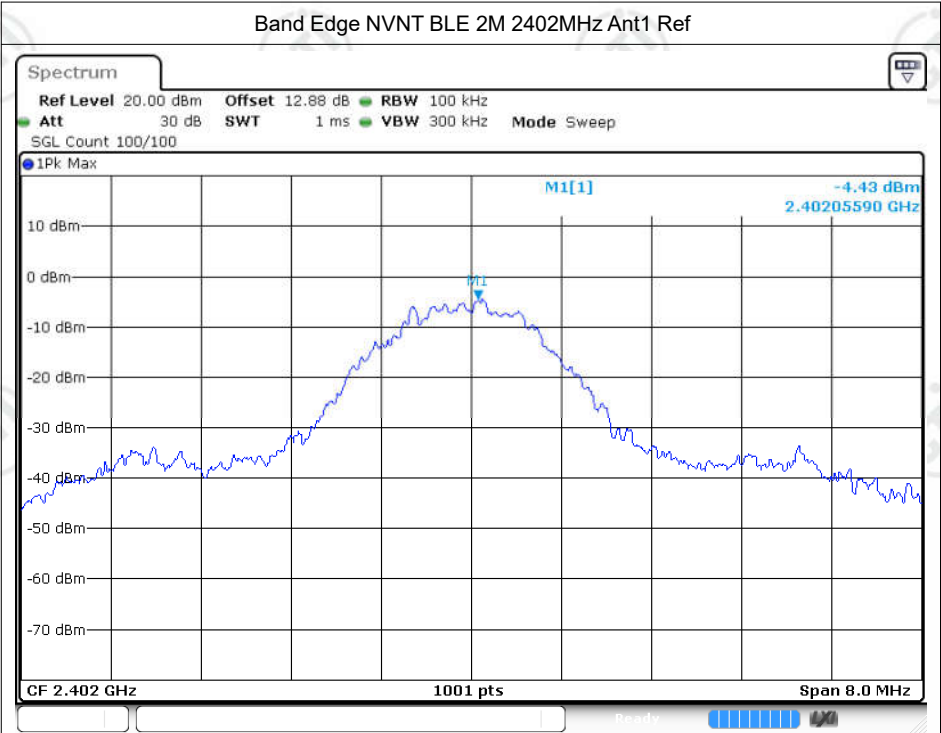




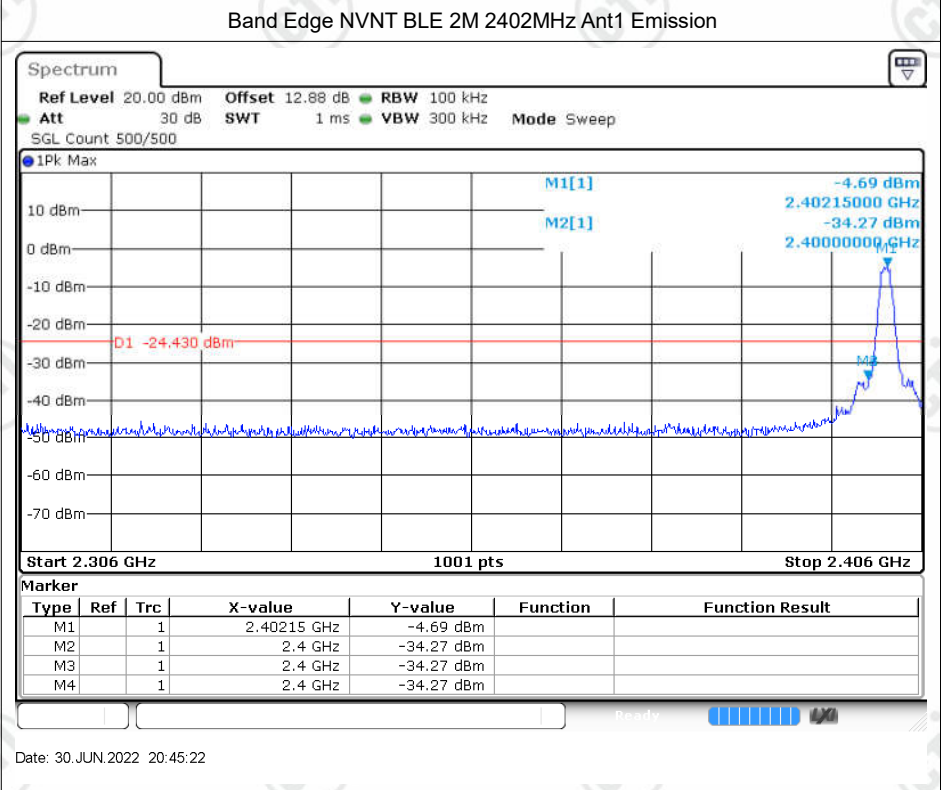
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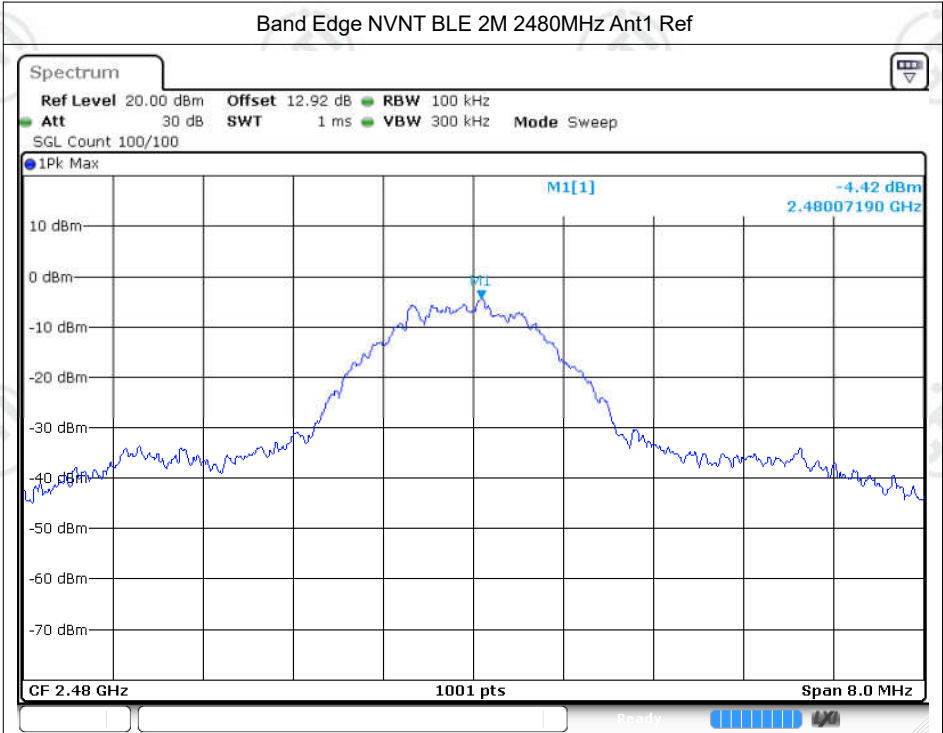
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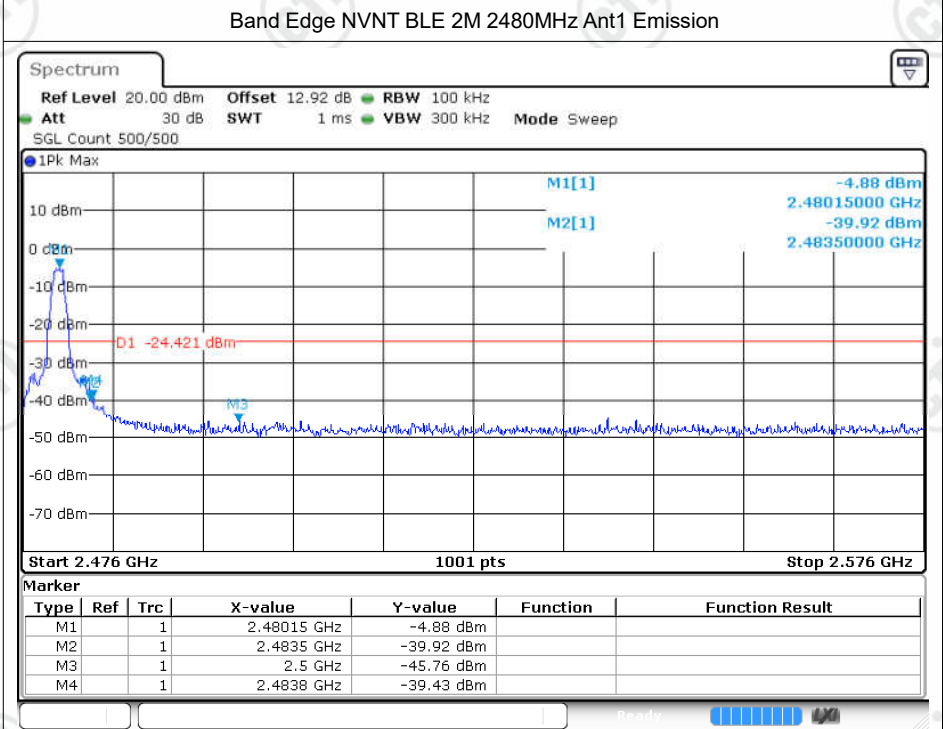
Date: 30.JUN.2022 20:45:18



Date: 30.JUN.2022 20:45:22



Date: 30.JUN.2022 20:49:47

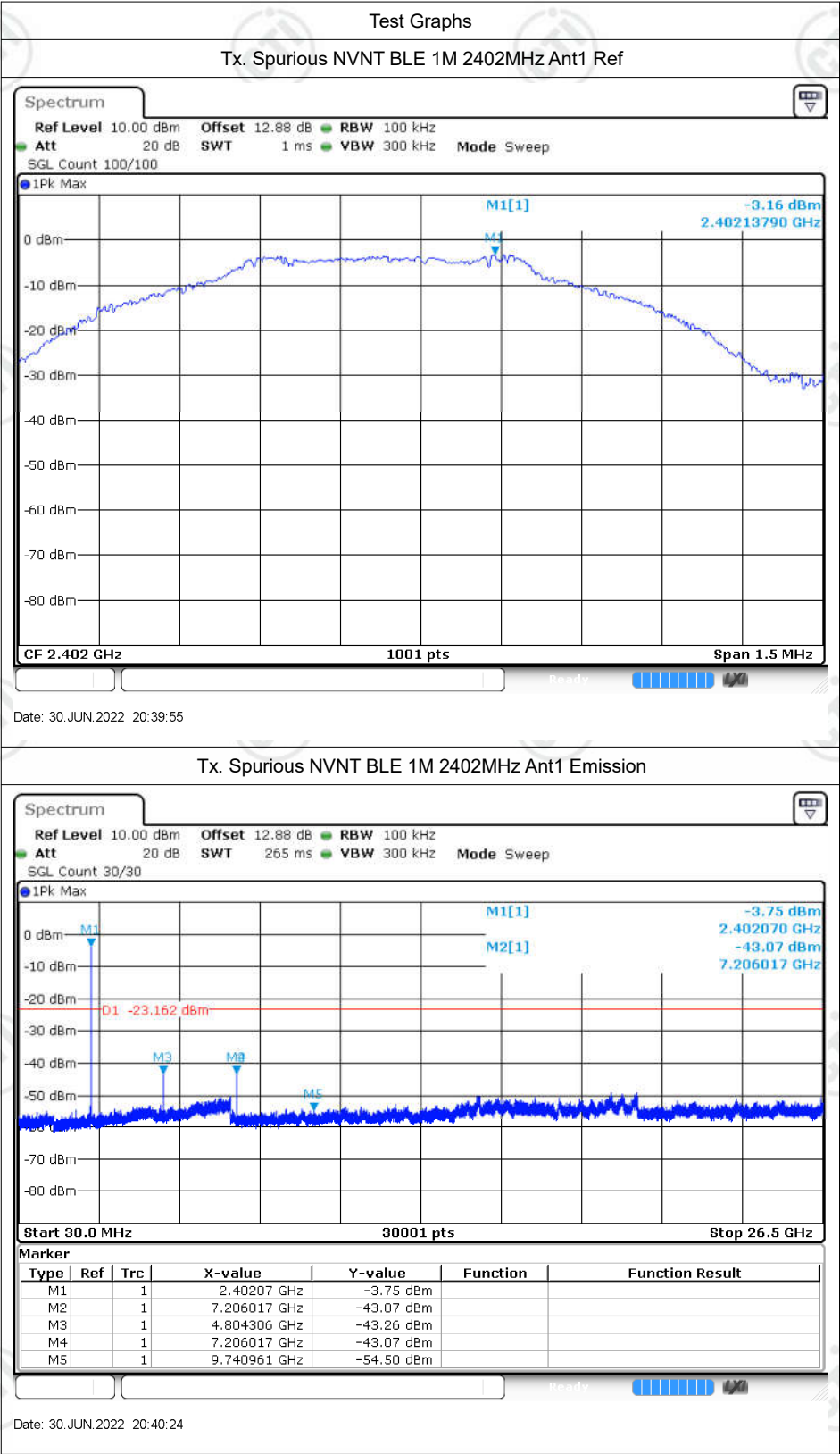


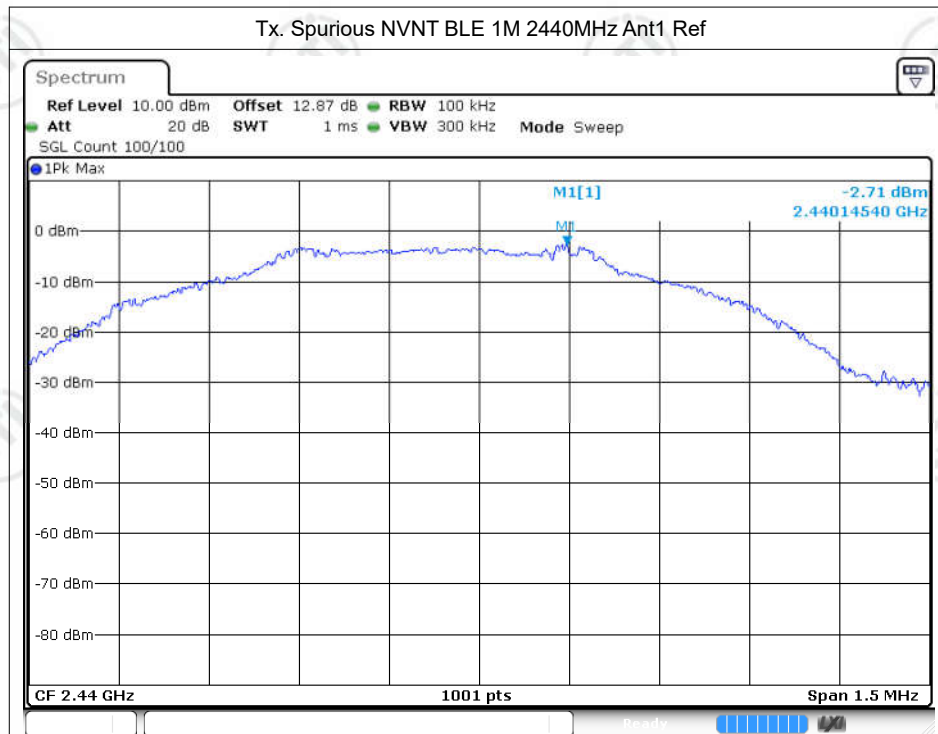
Date: 30.JUN.2022 20:49:49

Appendix G: Conducted RF Spurious Emission

Test Result

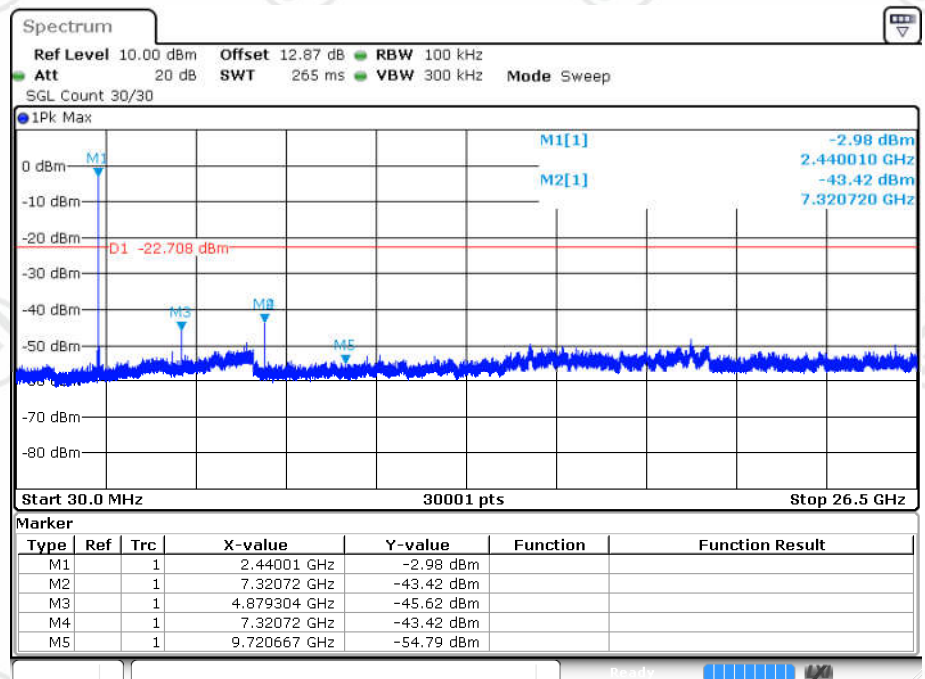
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.9	-20	Pass
NVNT	BLE 1M	2440	Ant1	-40.71	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.2	-20	Pass
NVNT	BLE 2M	2402	Ant1	-40.37	-20	Pass
NVNT	BLE 2M	2440	Ant1	-41.76	-20	Pass
NVNT	BLE 2M	2480	Ant1	-41.07	-20	Pass



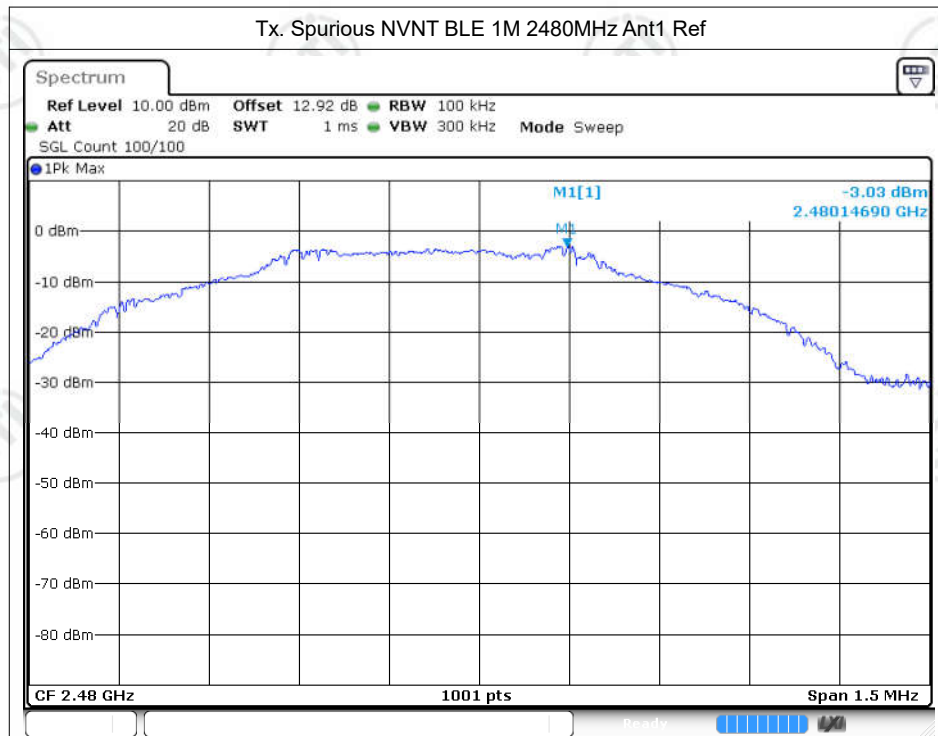


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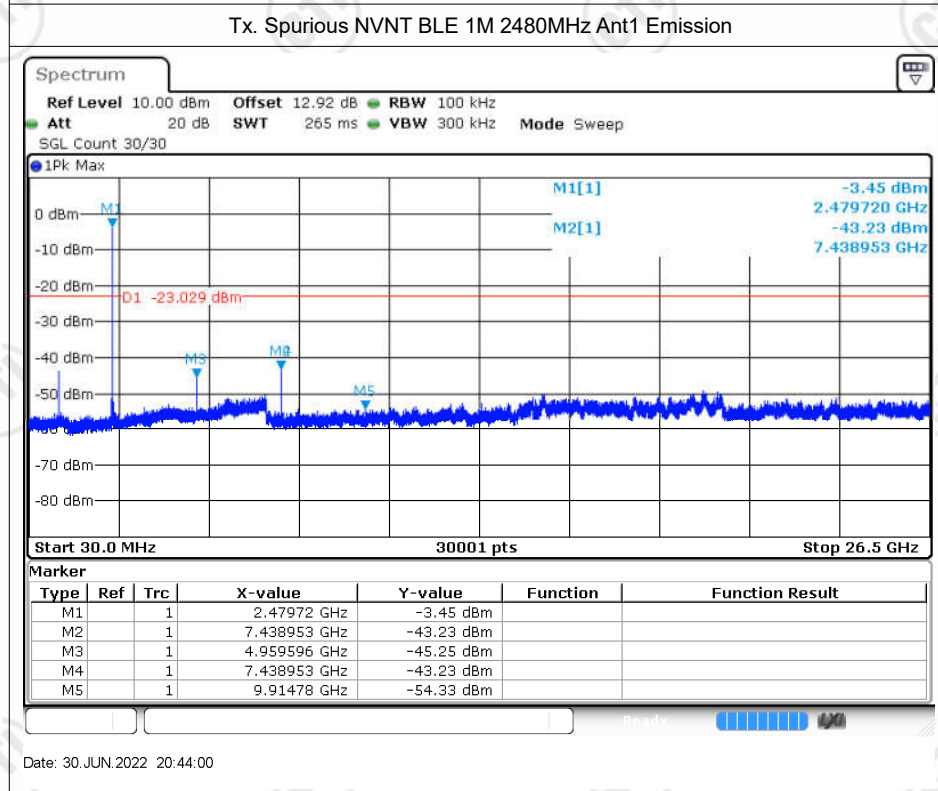
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



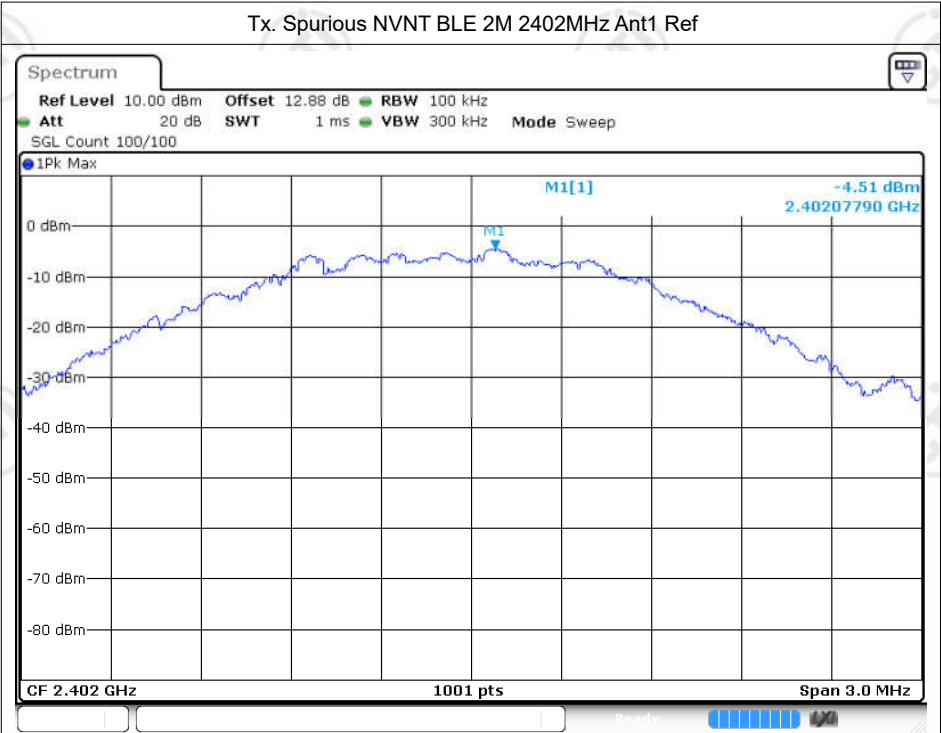
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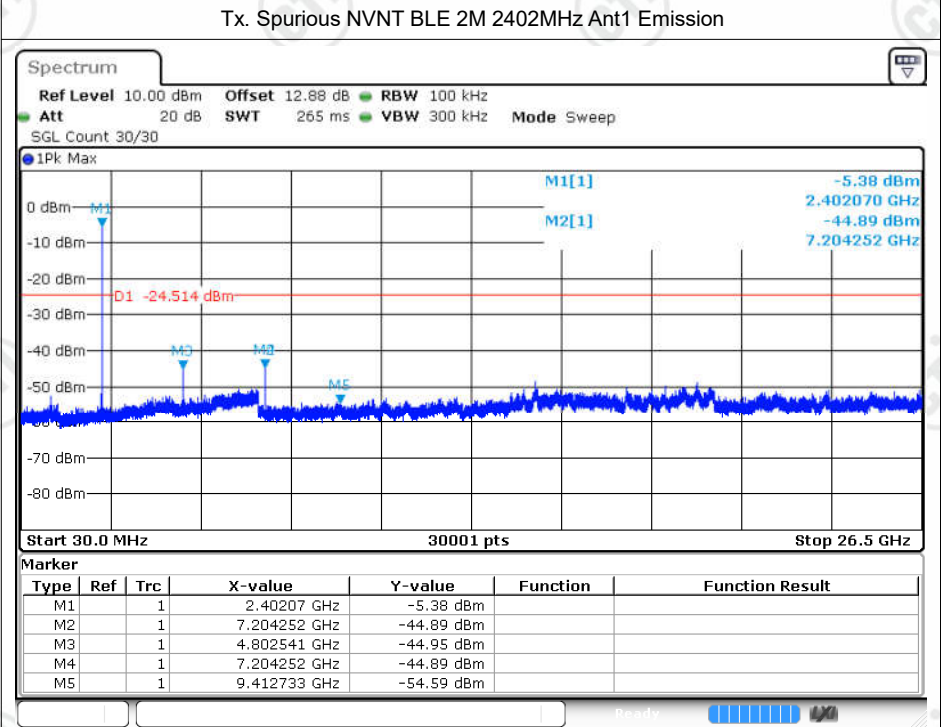
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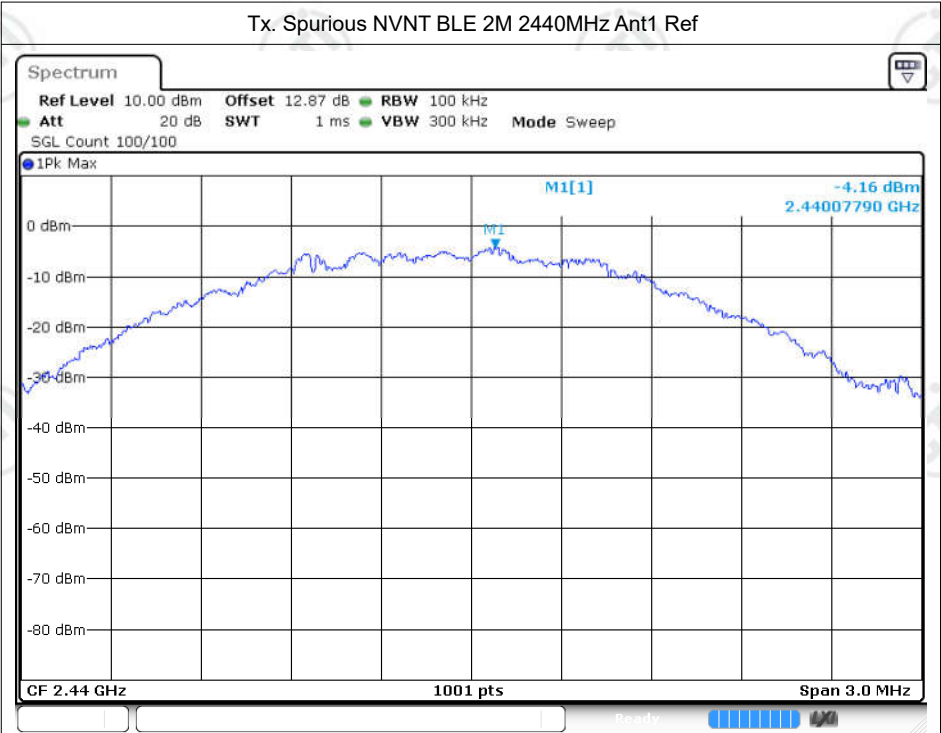
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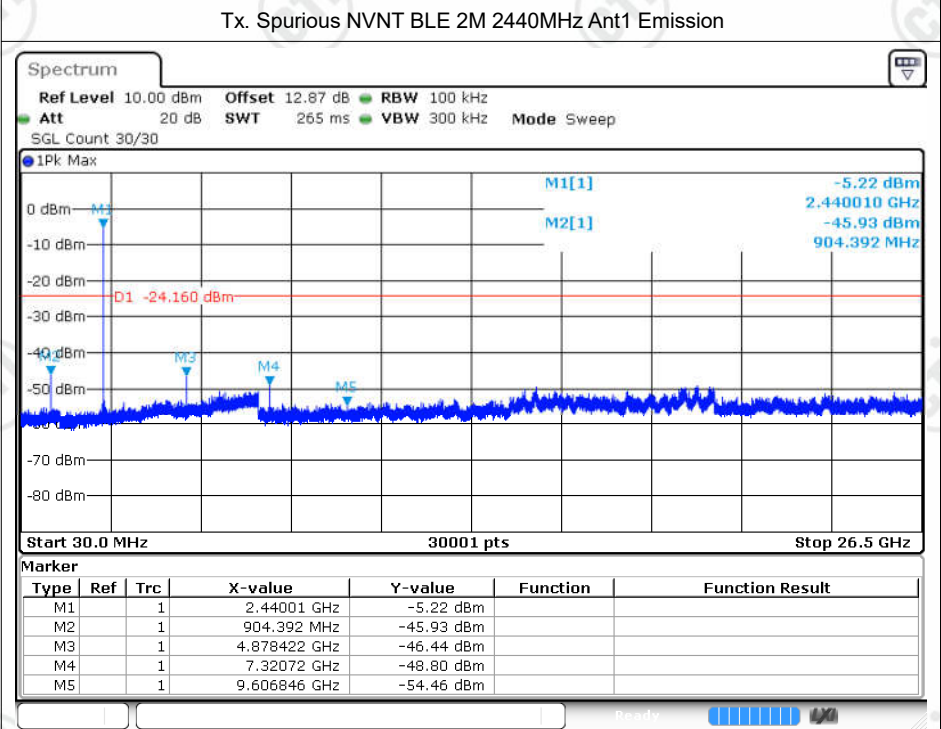
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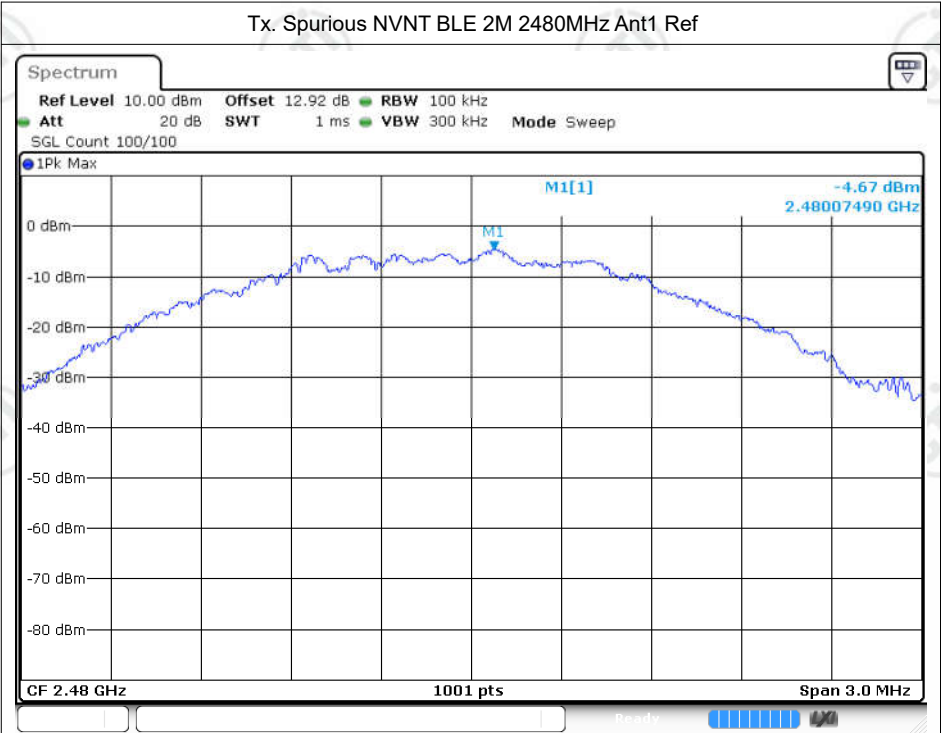
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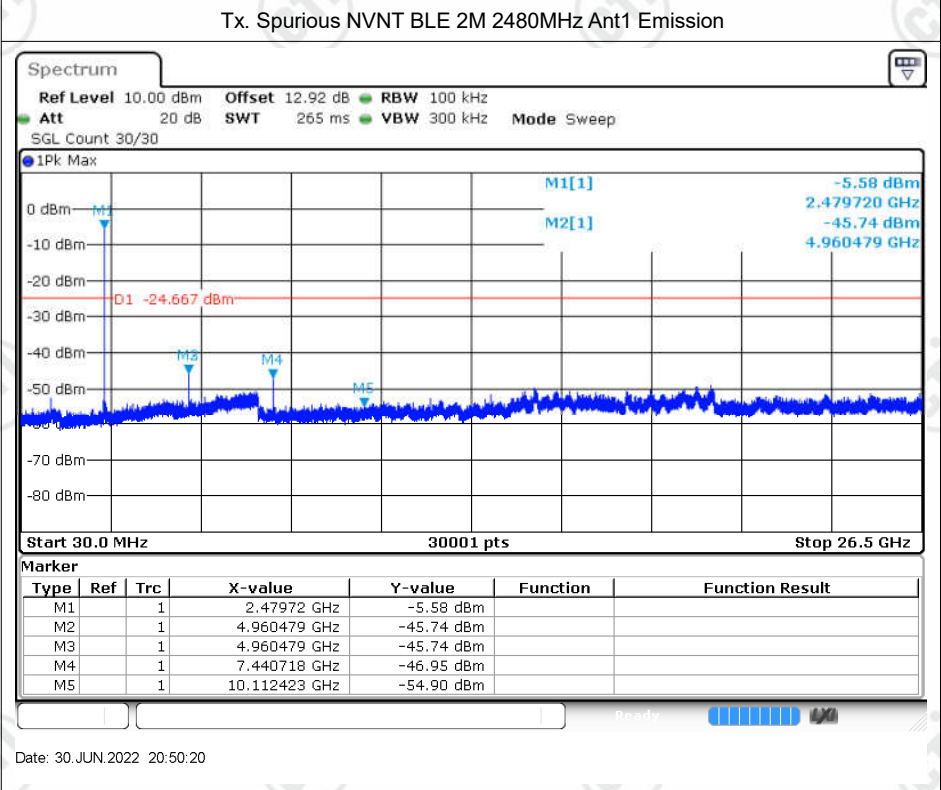
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Date: 30.JUN.2022 20:49:52



Date: 30.JUN.2022 20:50:20

*** End of Report ***