

Appendix: Bluetooth LE

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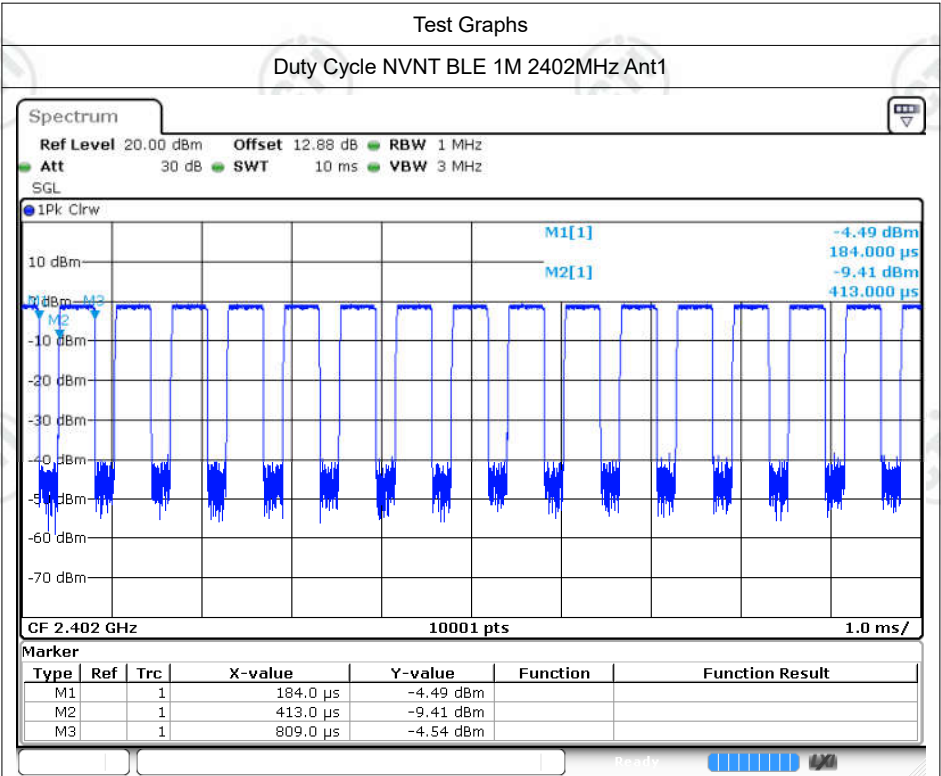
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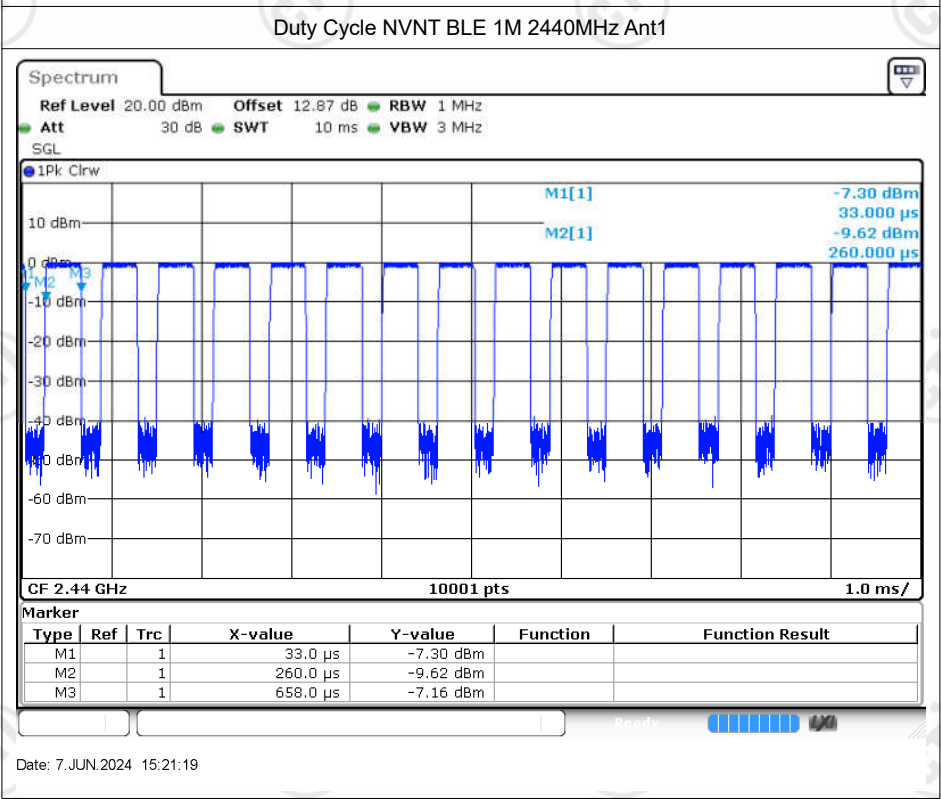
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Duty Cycle

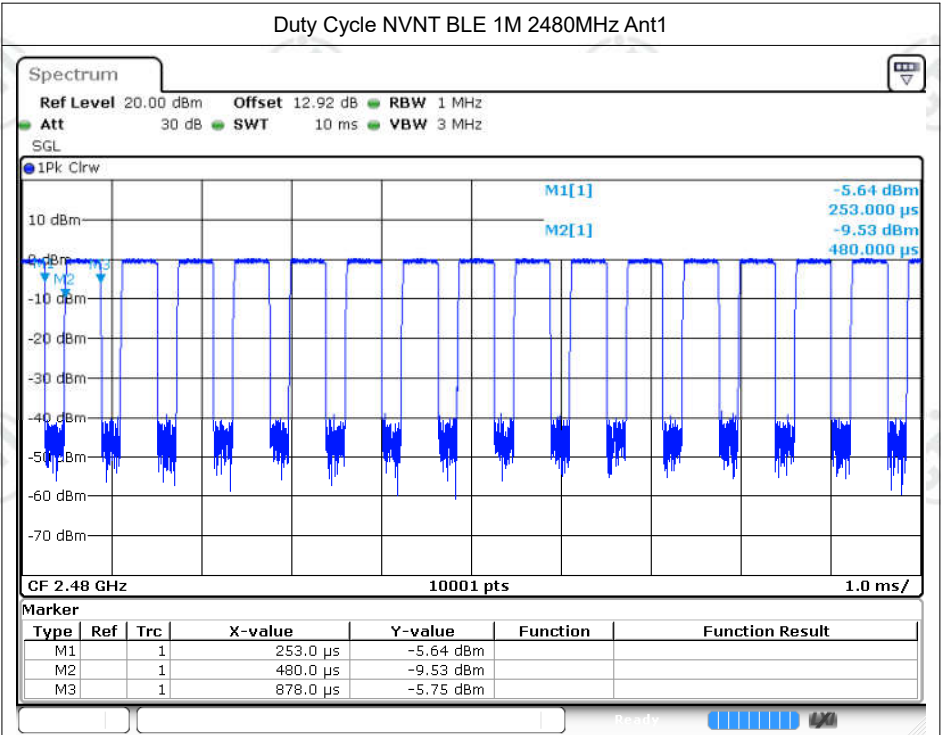
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.36	1.98	2.53
NVNT	BLE 1M	2440	Ant1	63.68	1.96	2.51
NVNT	BLE 1M	2480	Ant1	63.68	1.96	2.51
NVNT	BLE 2M	2402	Ant1	36.32	4.4	4.41
NVNT	BLE 2M	2440	Ant1	36.32	4.4	4.41
NVNT	BLE 2M	2480	Ant1	36.32	4.4	4.41



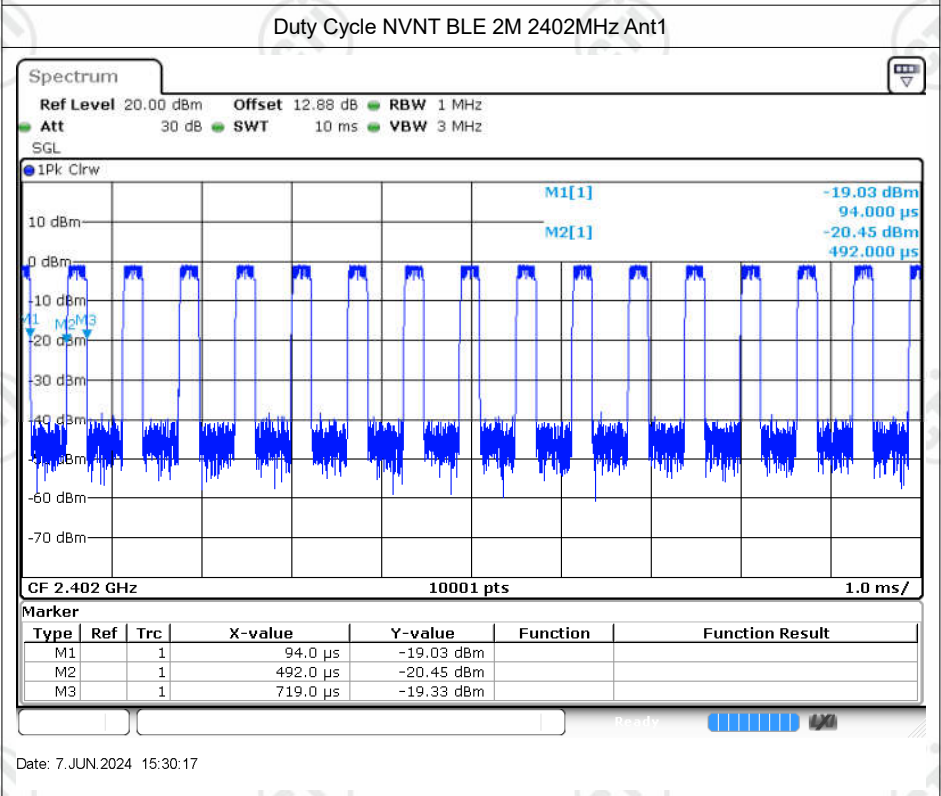
Date: 7.JUN.2024 15:18:49



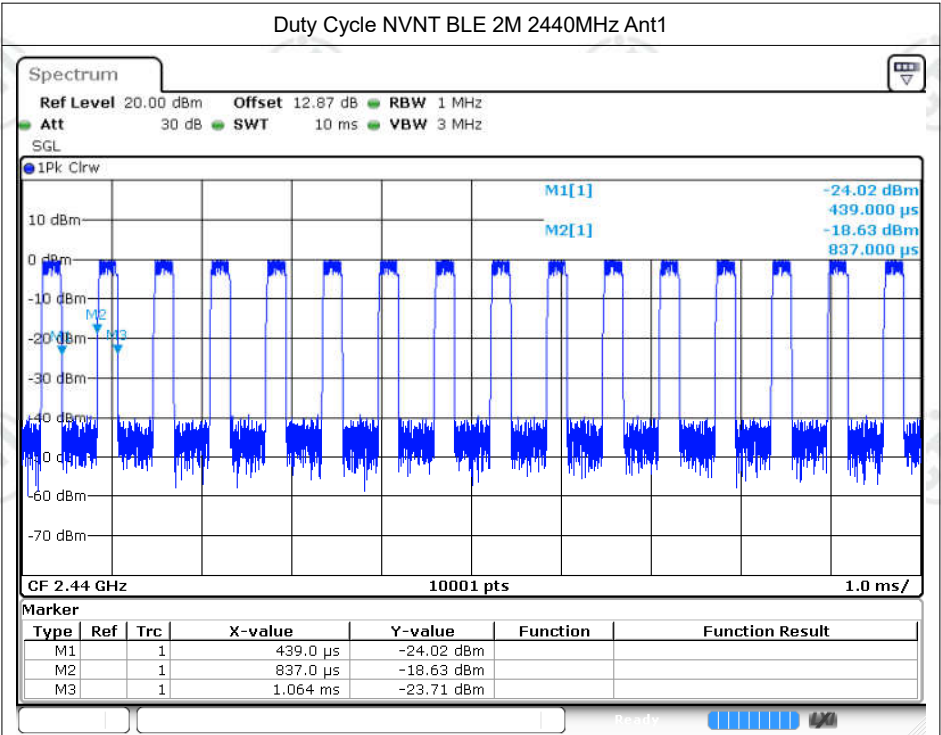
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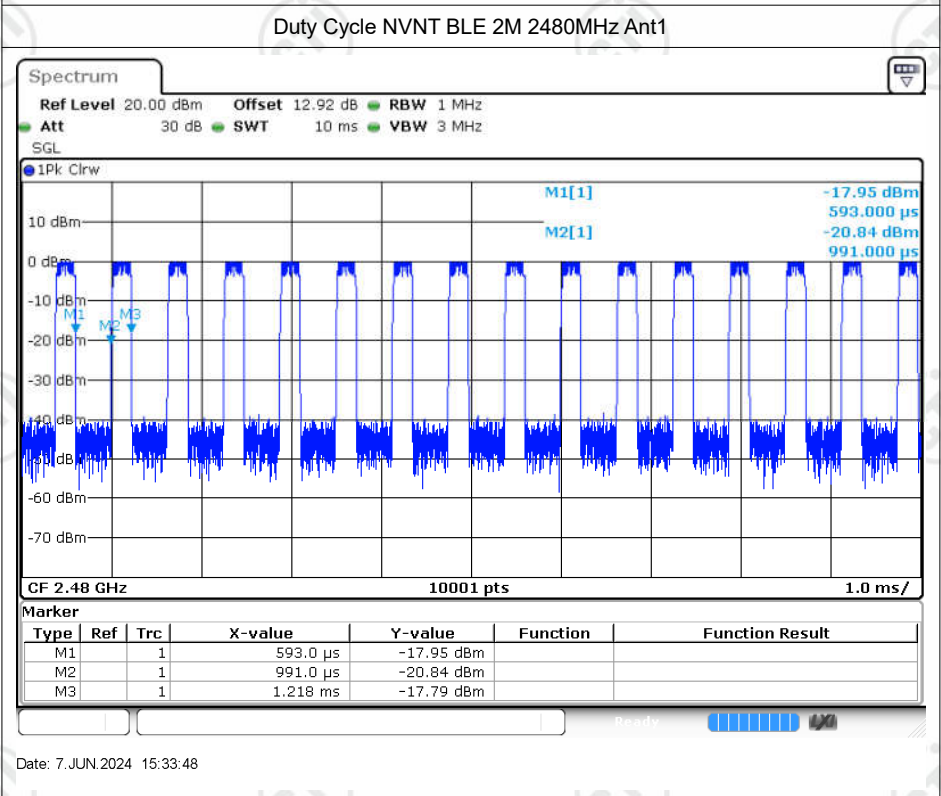
Date: 7.JUN.2024 15:26:43



Date: 7.JUN.2024 15:30:17



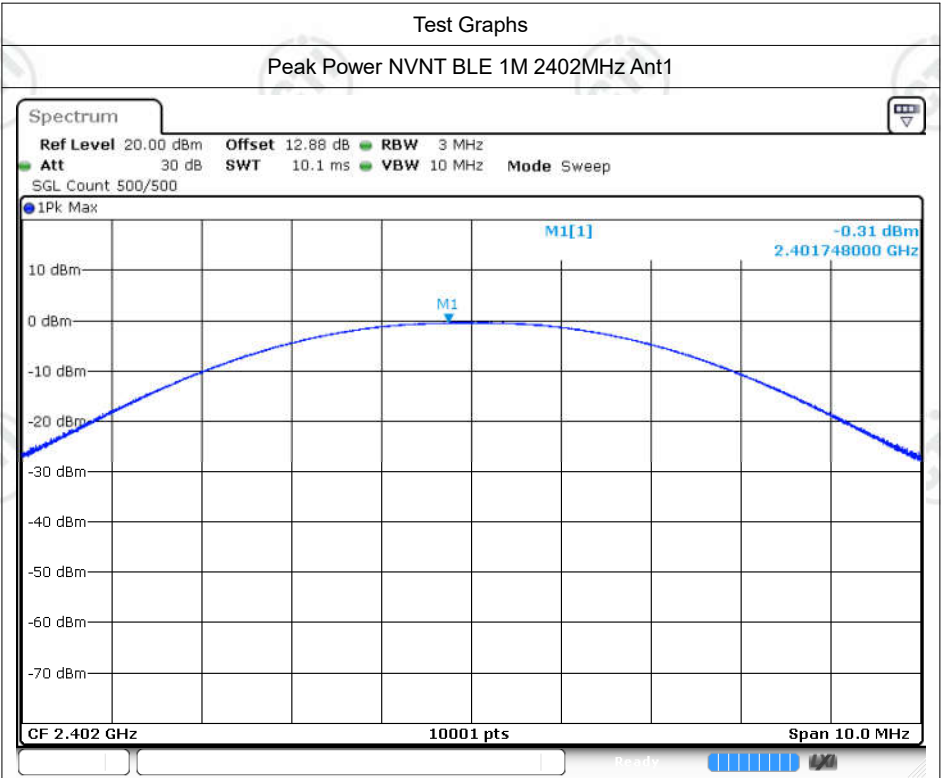
Date: 7.JUN.2024 15:32:08



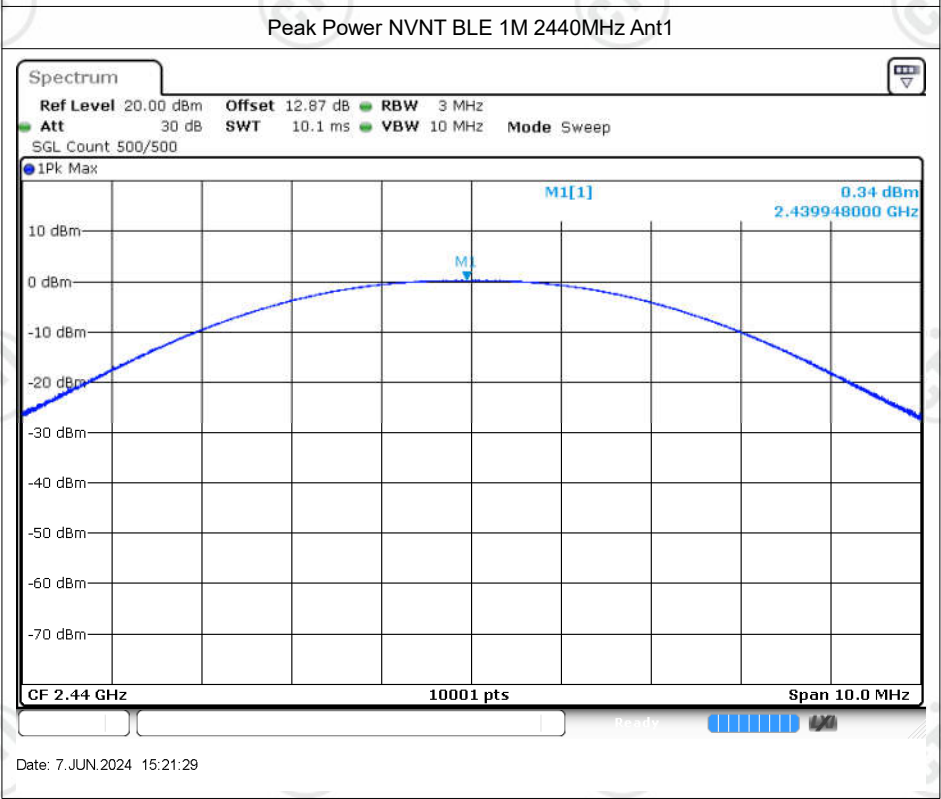
Date: 7.JUN.2024 15:33:48

Maximum Peak Conducted Output Power

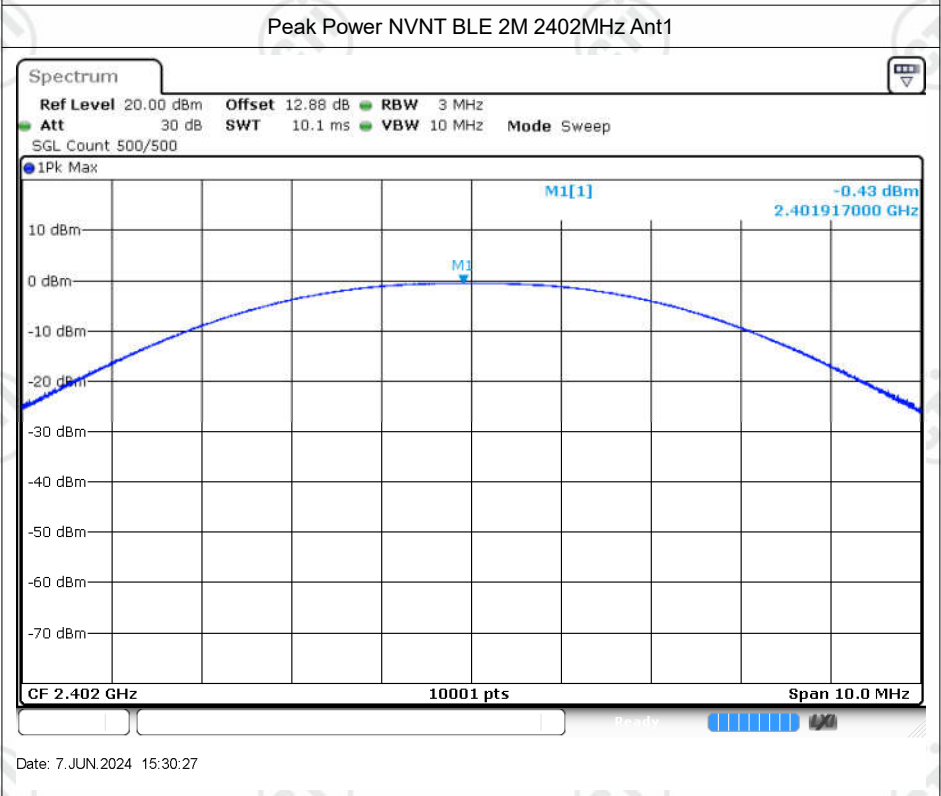
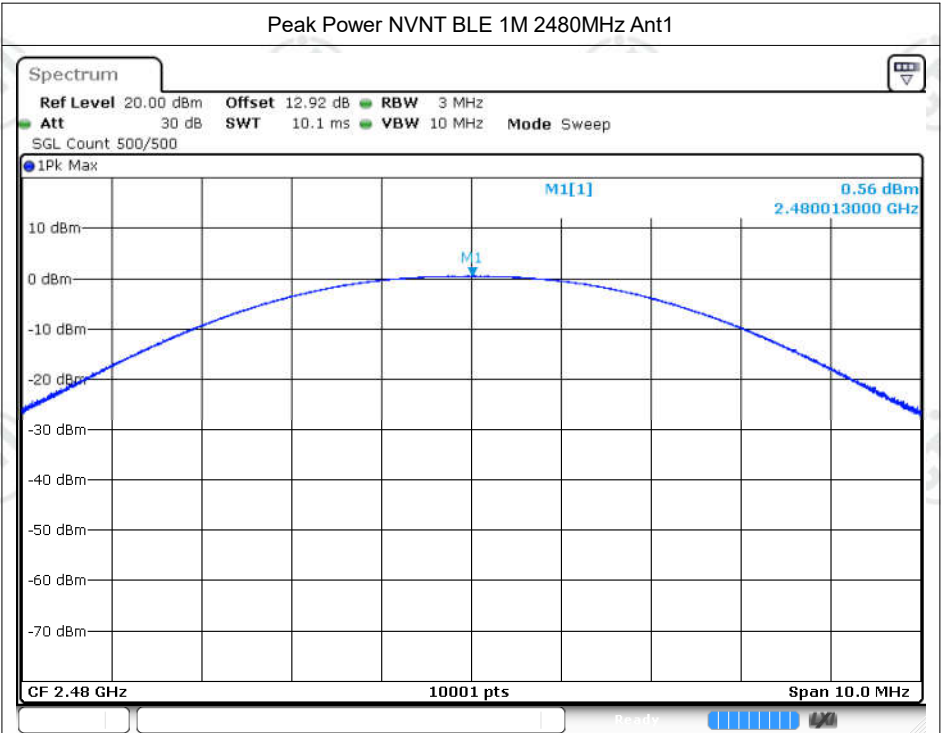
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.31	0	-0.31	30	Pass
NVNT	BLE 1M	2440	Ant1	0.34	0	0.34	30	Pass
NVNT	BLE 1M	2480	Ant1	0.56	0	0.56	30	Pass
NVNT	BLE 2M	2402	Ant1	-0.43	0	-0.43	30	Pass
NVNT	BLE 2M	2440	Ant1	0.18	0	0.18	30	Pass
NVNT	BLE 2M	2480	Ant1	0.45	0	0.45	30	Pass

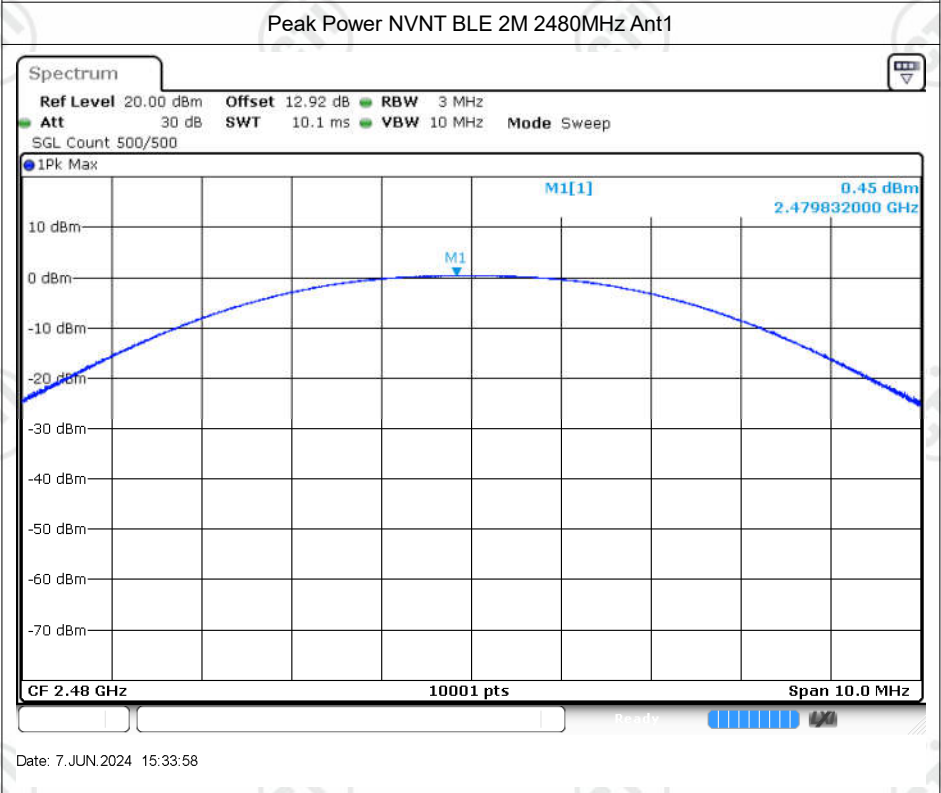
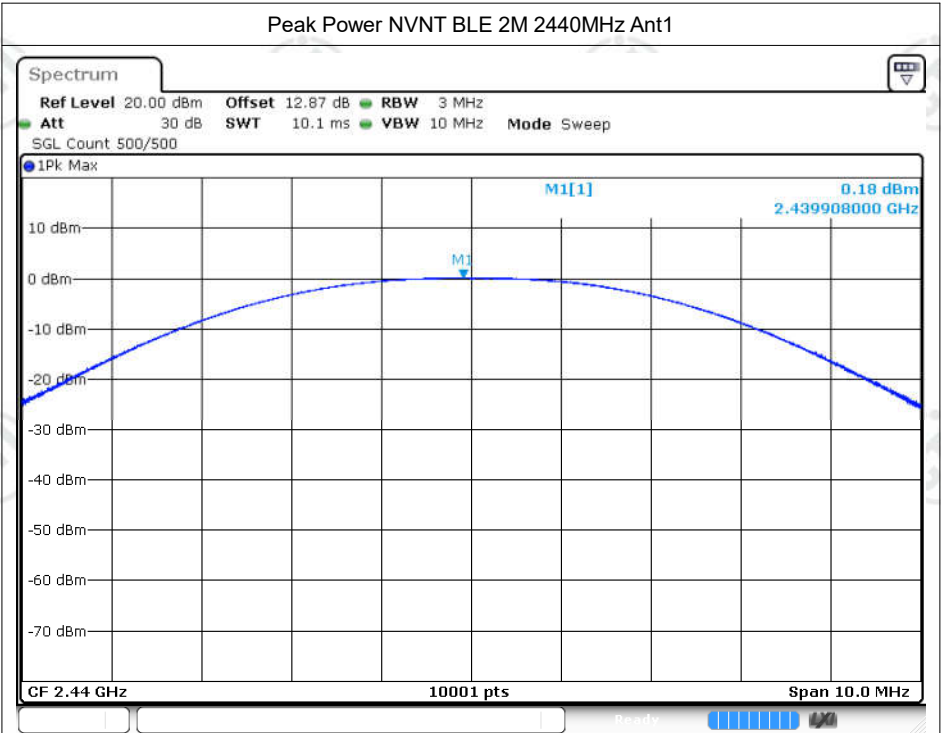


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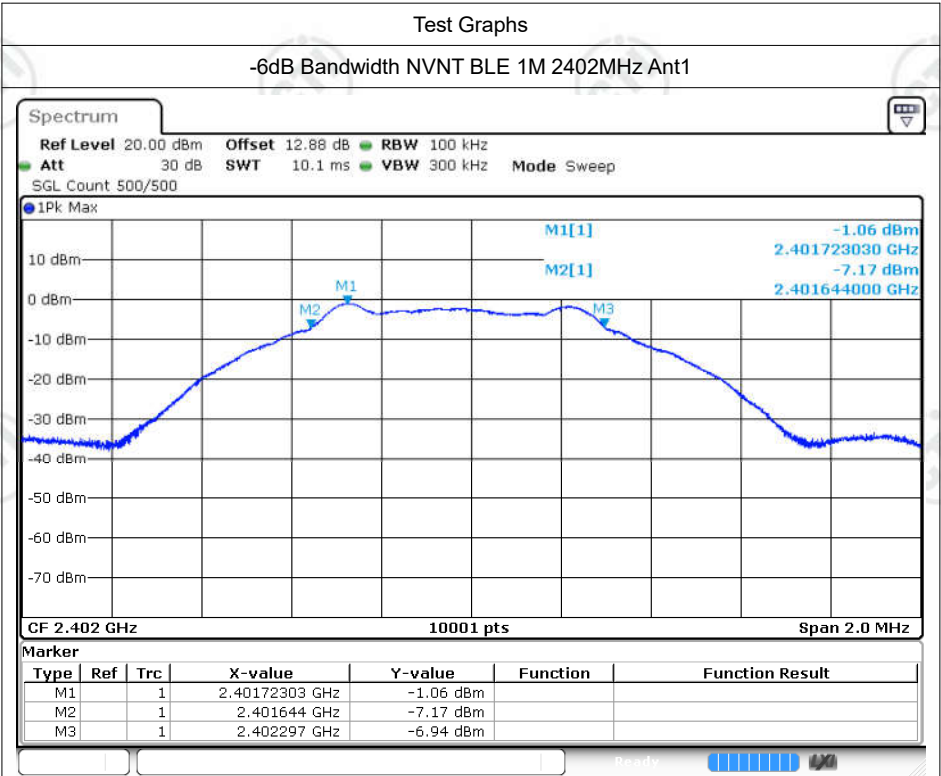
Date: 7.JUN.2024 15:21:29



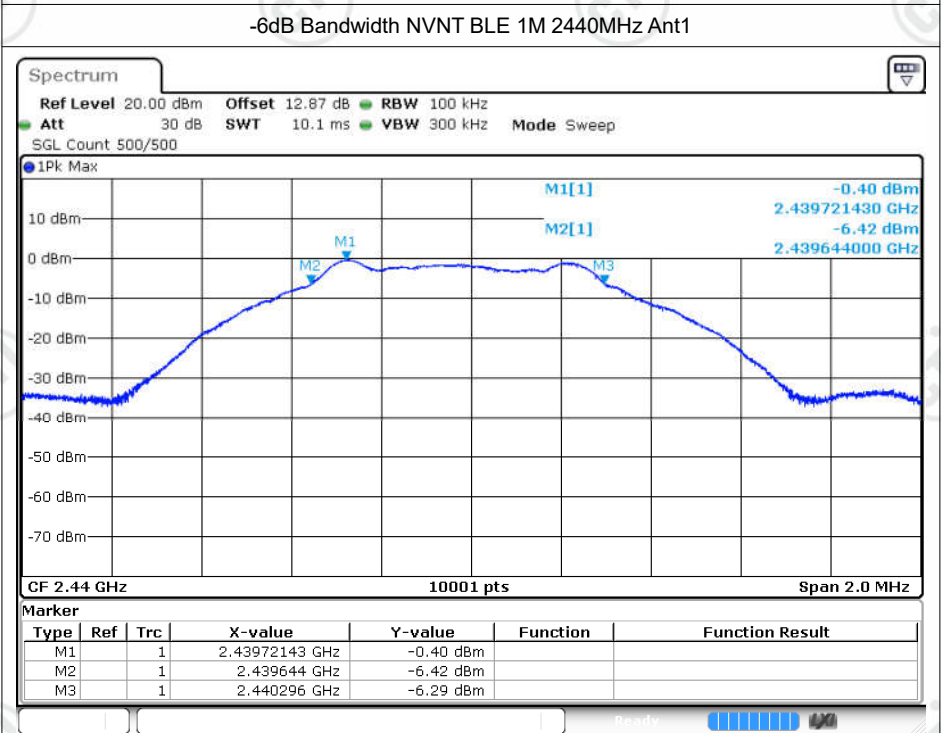


-6dB Bandwidth

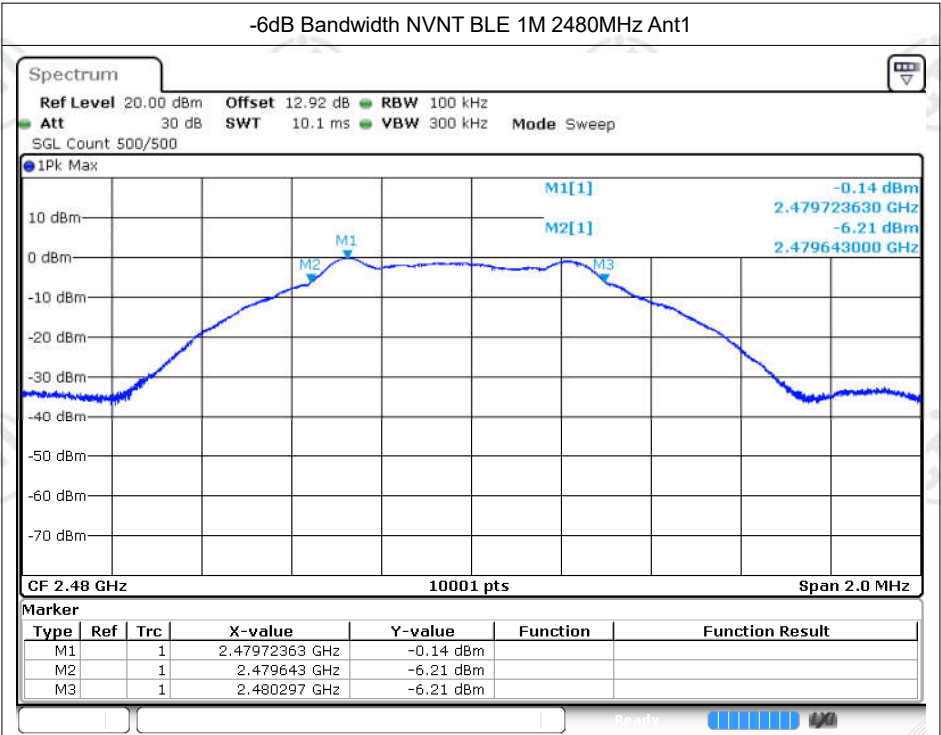
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.653	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.652	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.653	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.135	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.138	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.134	0.5	Pass



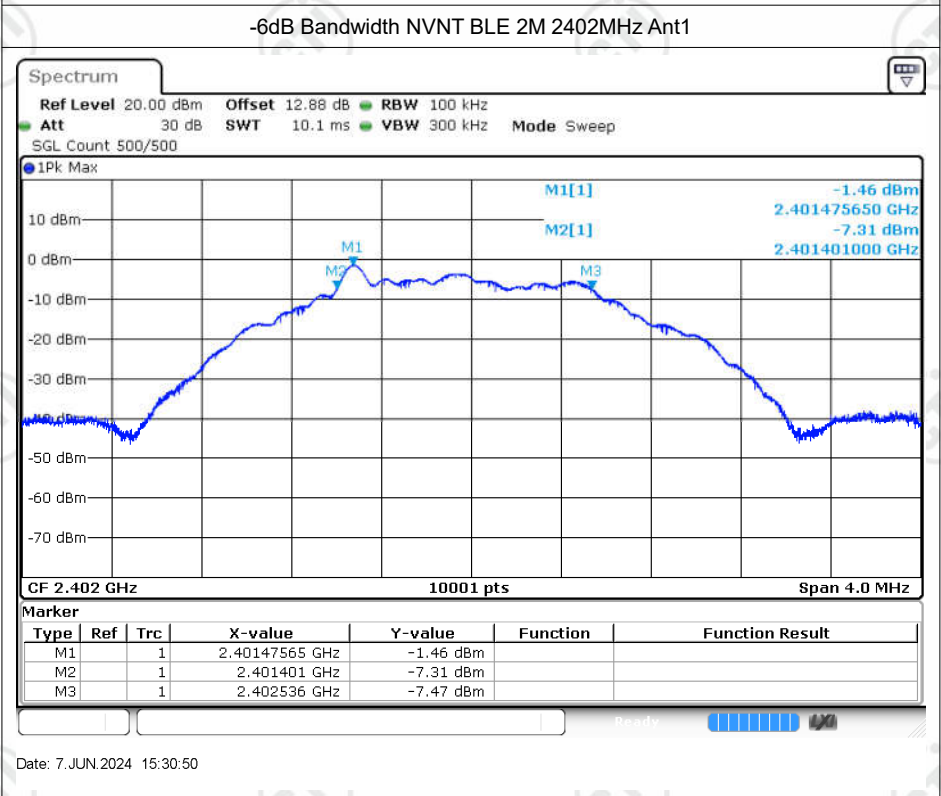
Date: 7.JUN.2024 15:19:22



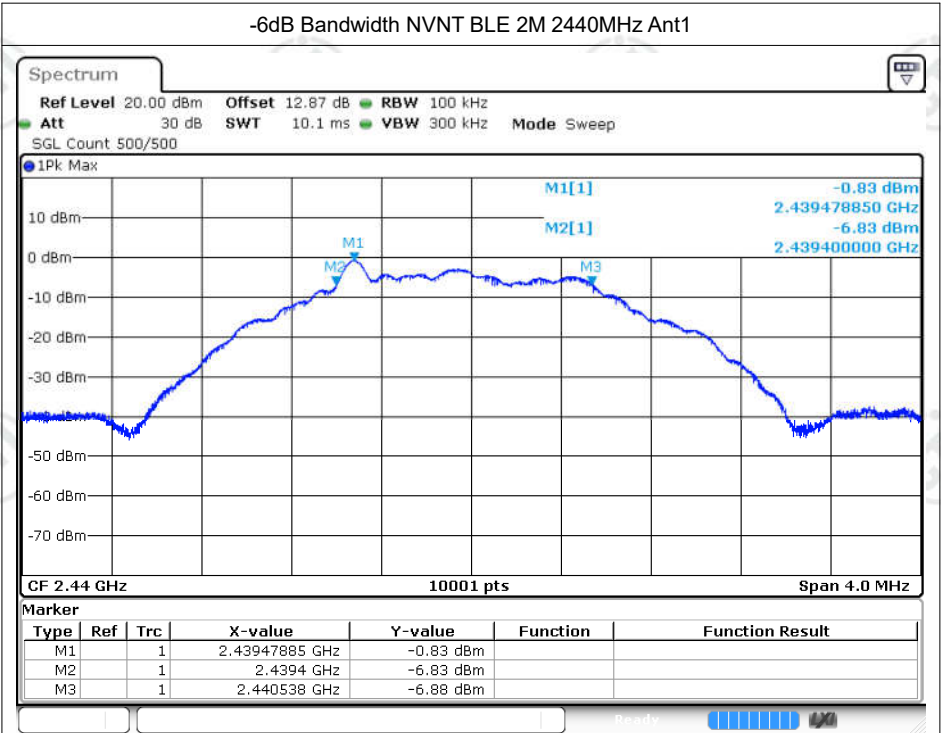
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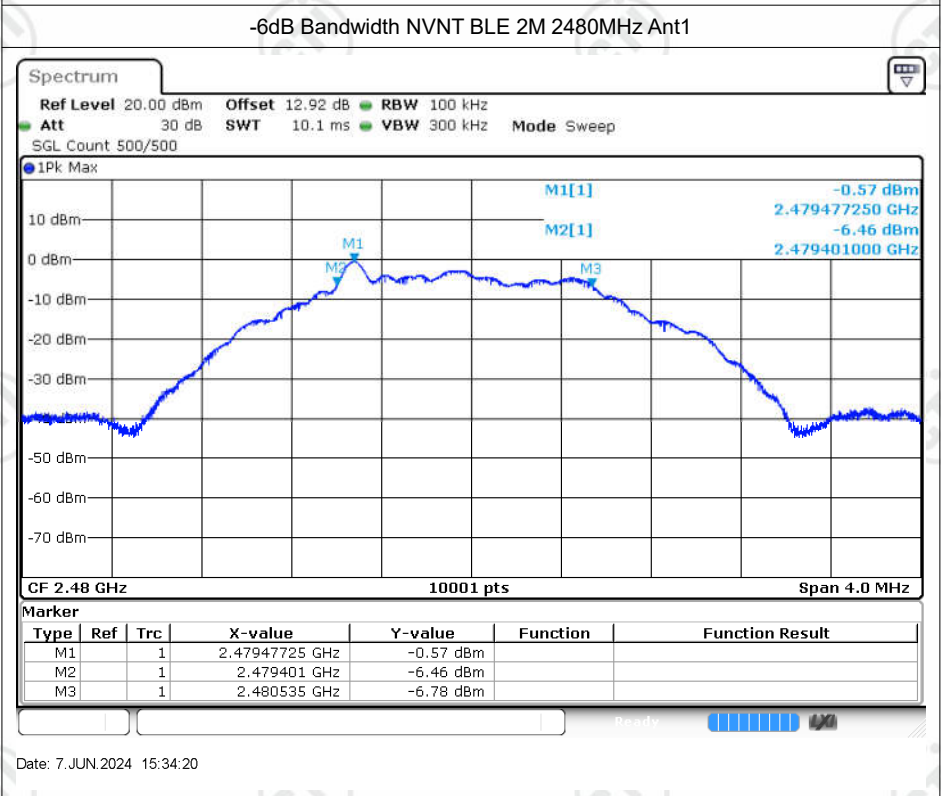
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Date: 7 JUN 2024 15:30:50



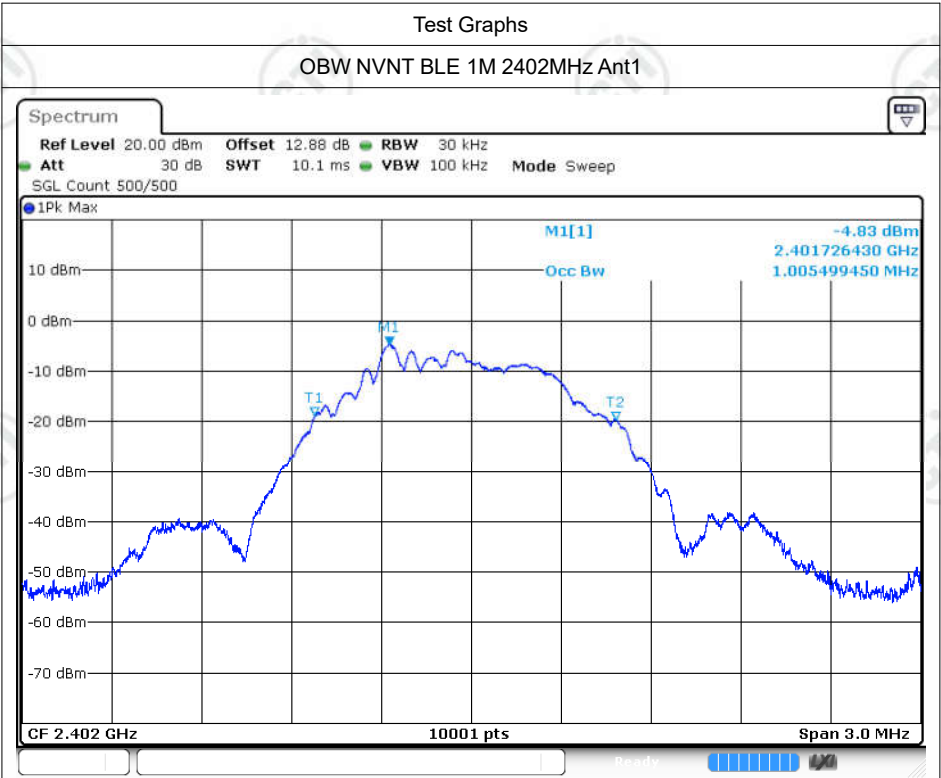
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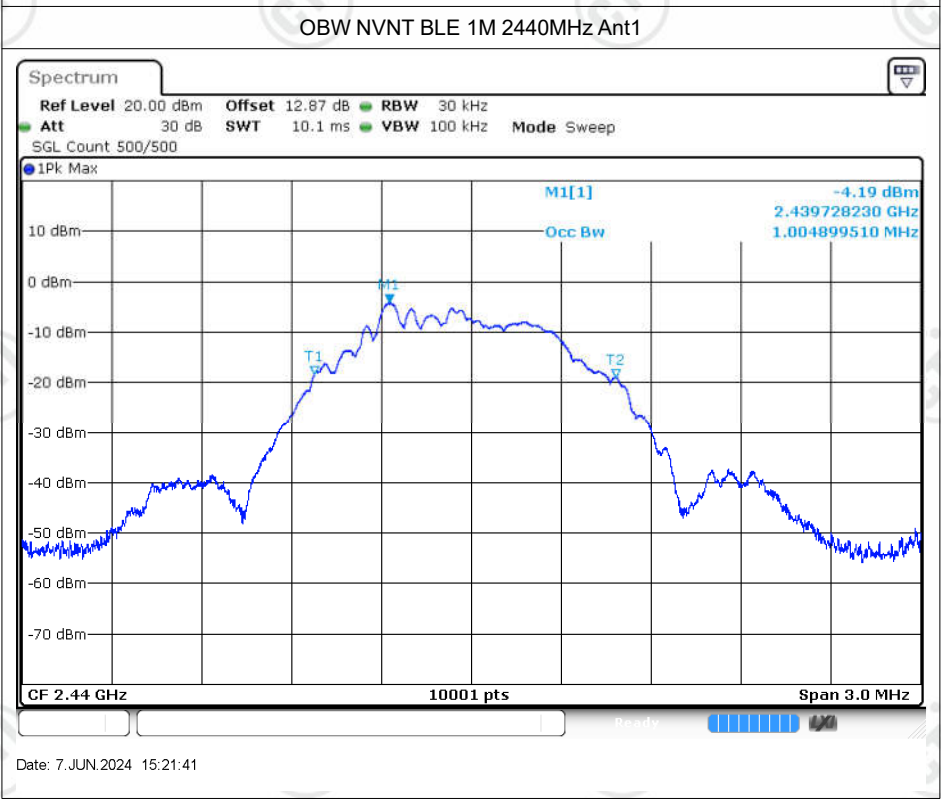
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Occupied Channel Bandwidth

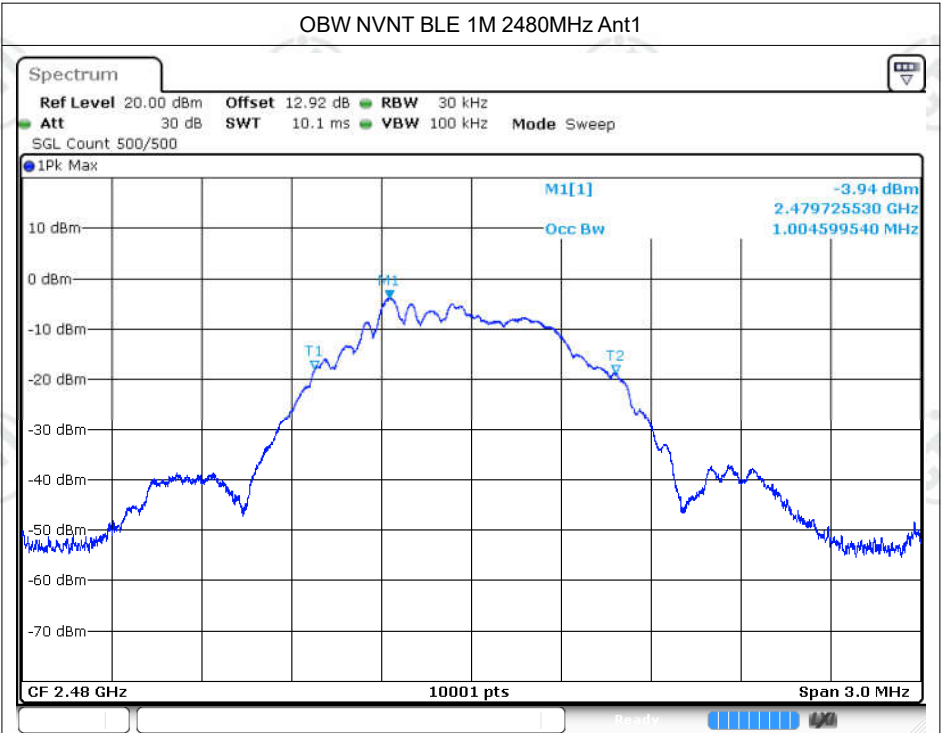
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.005
NVNT	BLE 1M	2440	Ant1	1.005
NVNT	BLE 1M	2480	Ant1	1.005
NVNT	BLE 2M	2402	Ant1	1.936
NVNT	BLE 2M	2440	Ant1	1.935
NVNT	BLE 2M	2480	Ant1	1.933



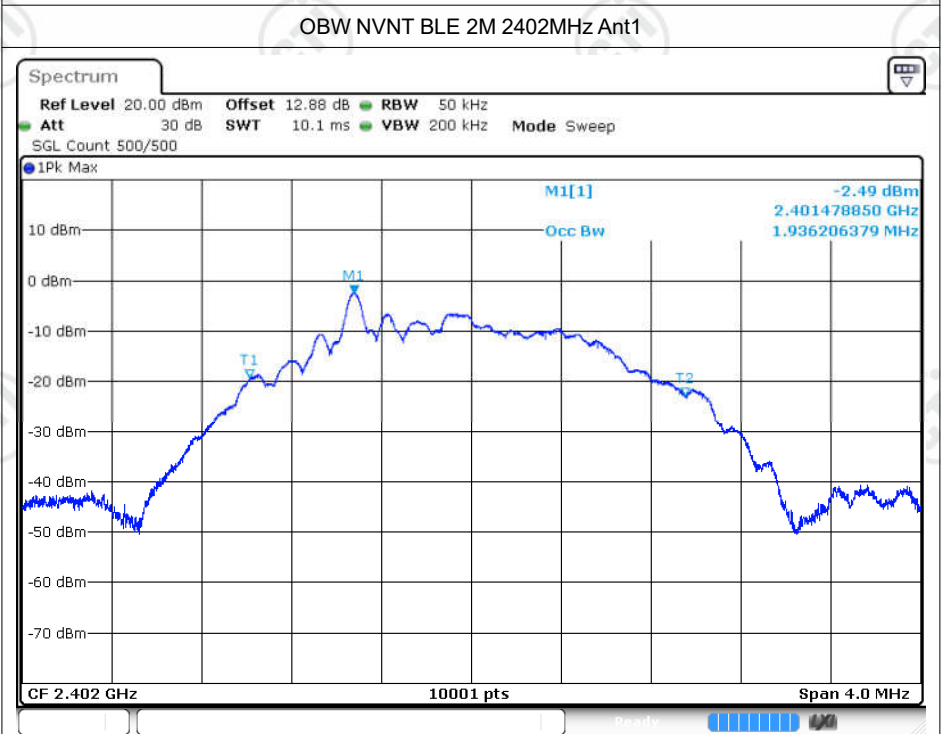
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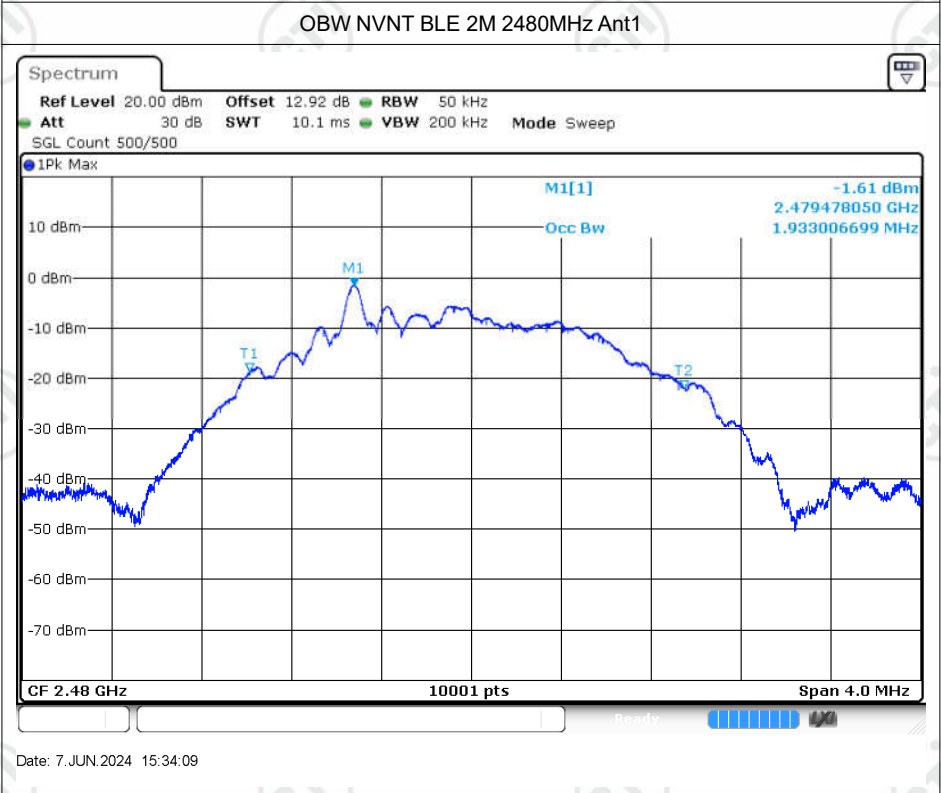
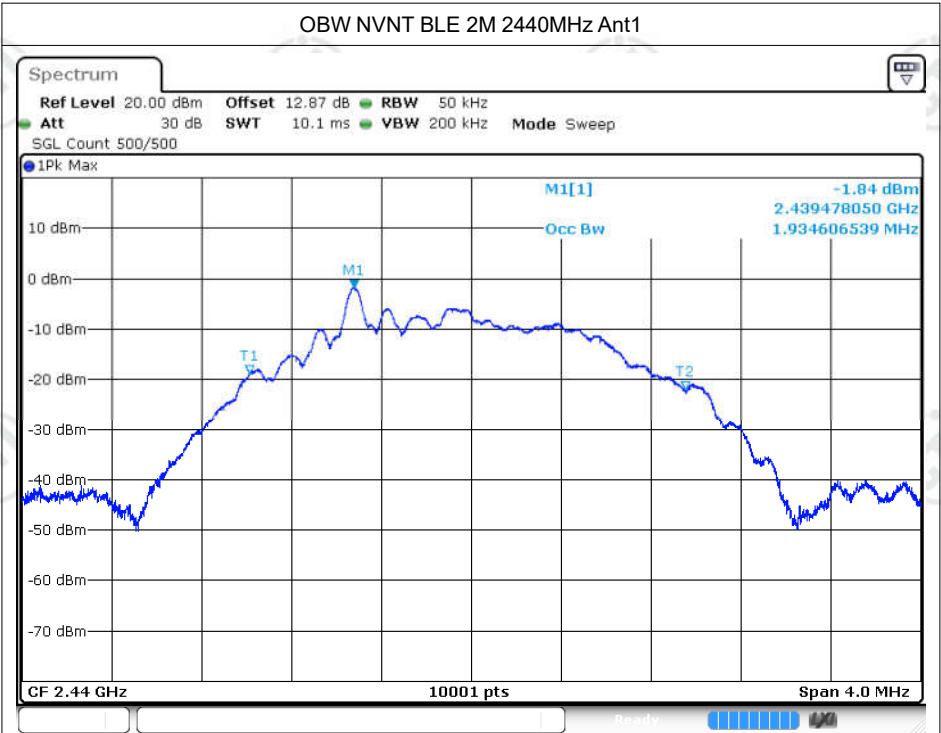
Date: 7.JUN.2024 15:21:41



Date: 7 JUN 2024 15:27:05

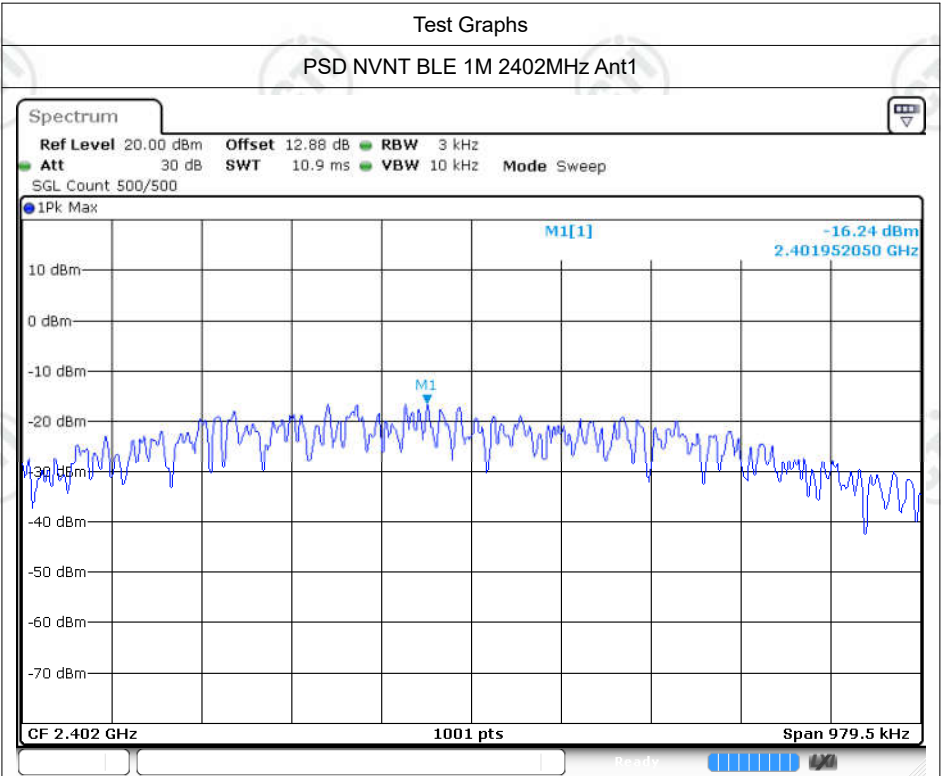


Date: 7 JUN 2024 15:30:38

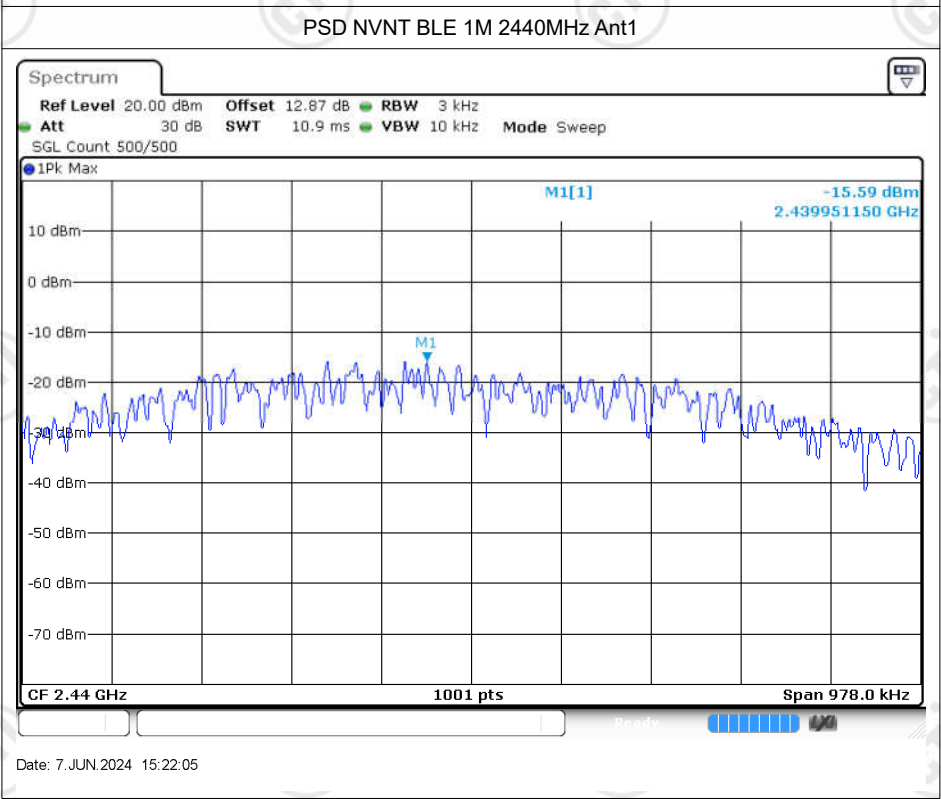


Maximum Power Spectral Density Level

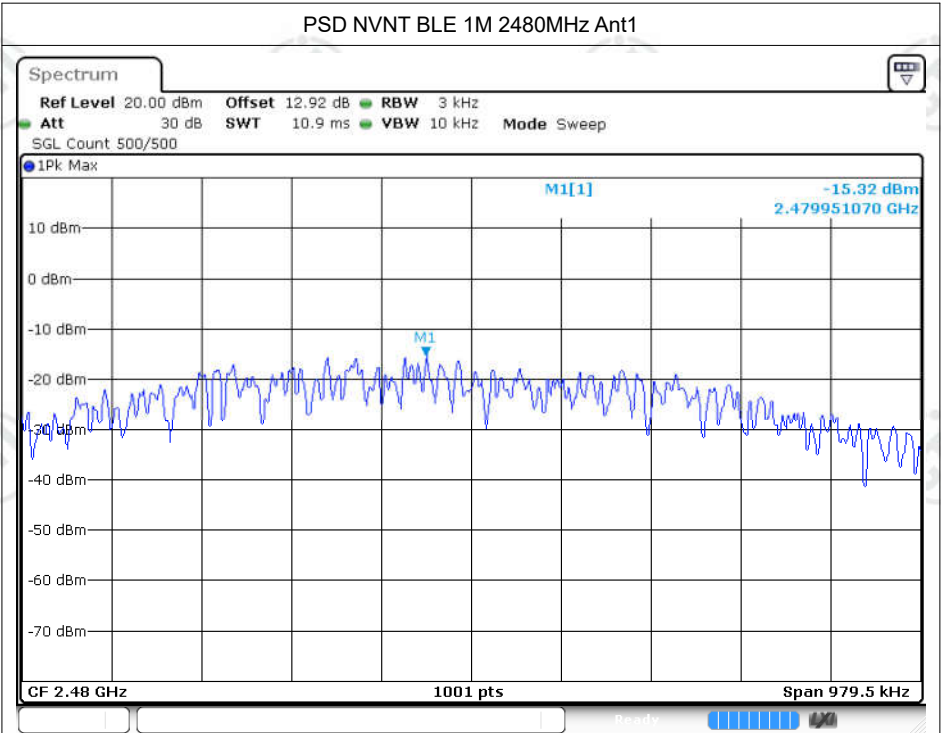
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-16.24	0	-16.24	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.59	0	-15.59	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.32	0	-15.32	8	Pass
NVNT	BLE 2M	2402	Ant1	-19.22	0	-19.22	8	Pass
NVNT	BLE 2M	2440	Ant1	-18.58	0	-18.58	8	Pass
NVNT	BLE 2M	2480	Ant1	-18.34	0	-18.34	8	Pass



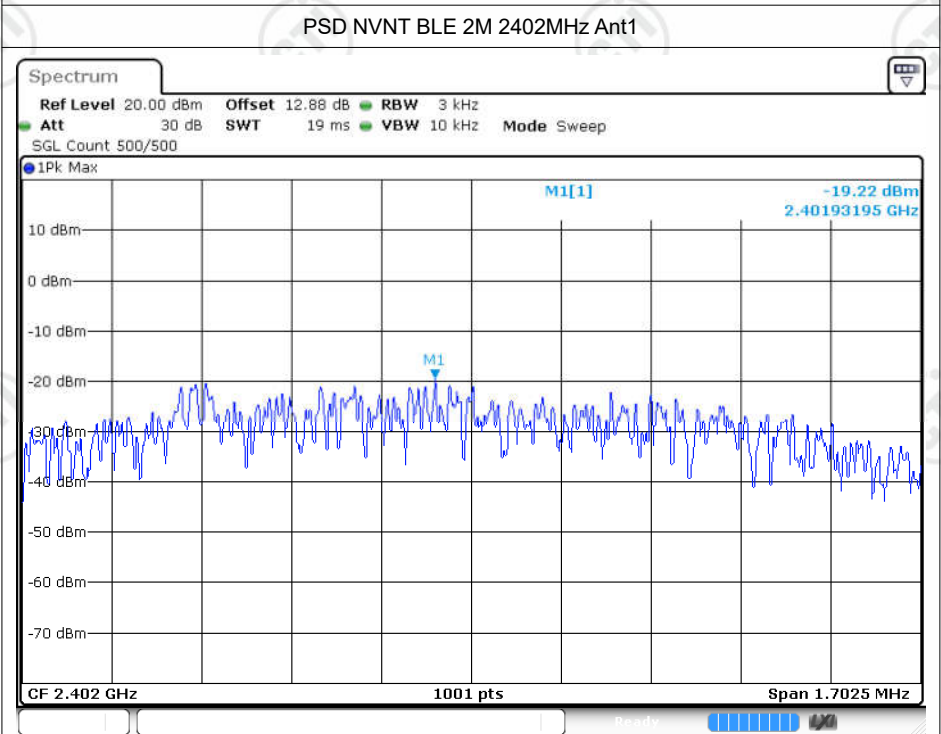
Date: 7 JUN 2024 15:19:35



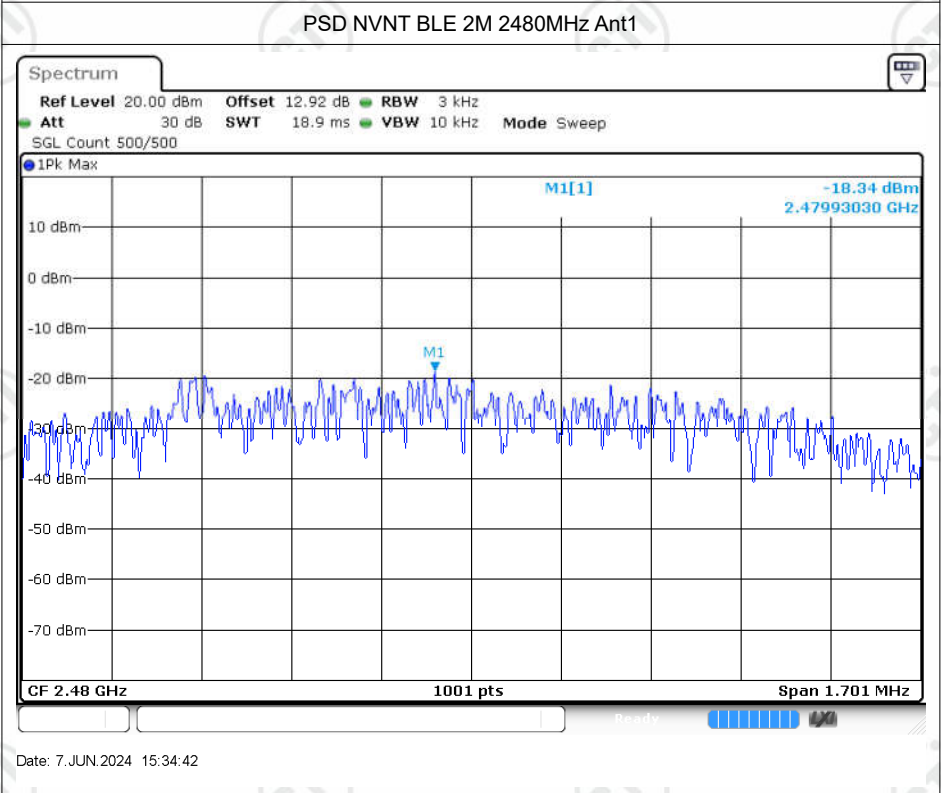
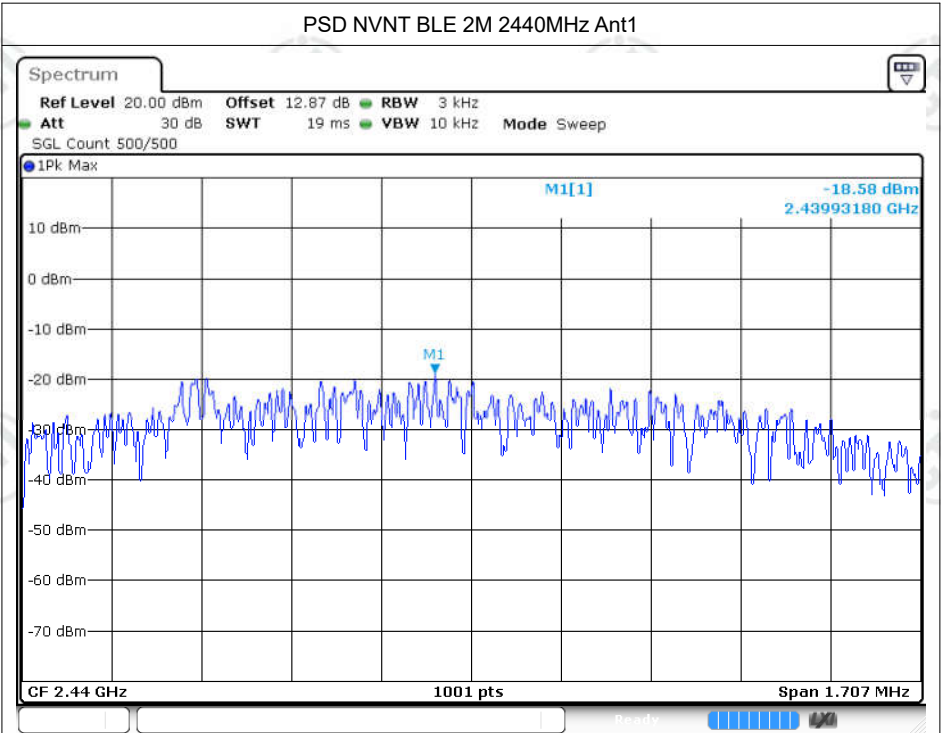
Date: 7 JUN 2024 15:22:05



Date: 7.JUN.2024 15:27:30

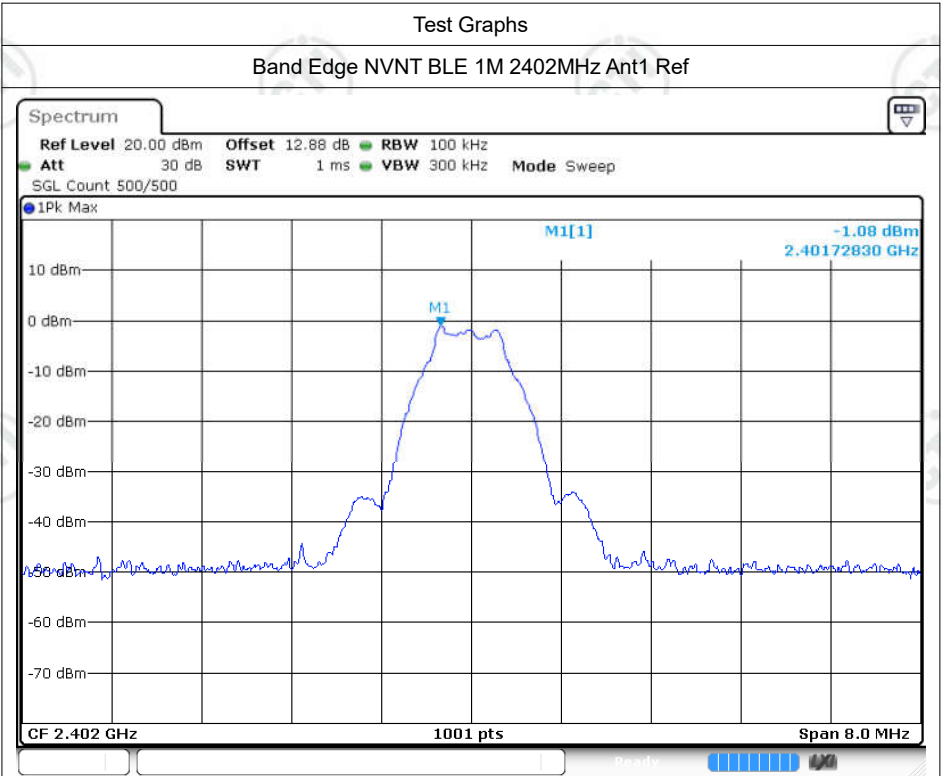


Date: 7.JUN.2024 15:31:12

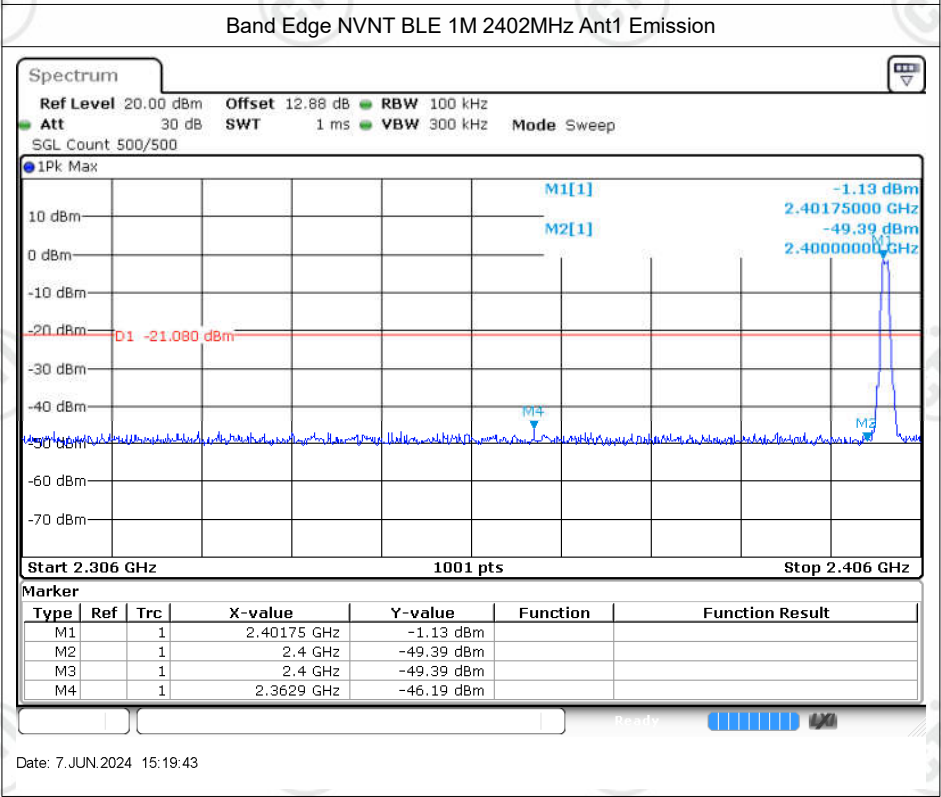


Band Edge

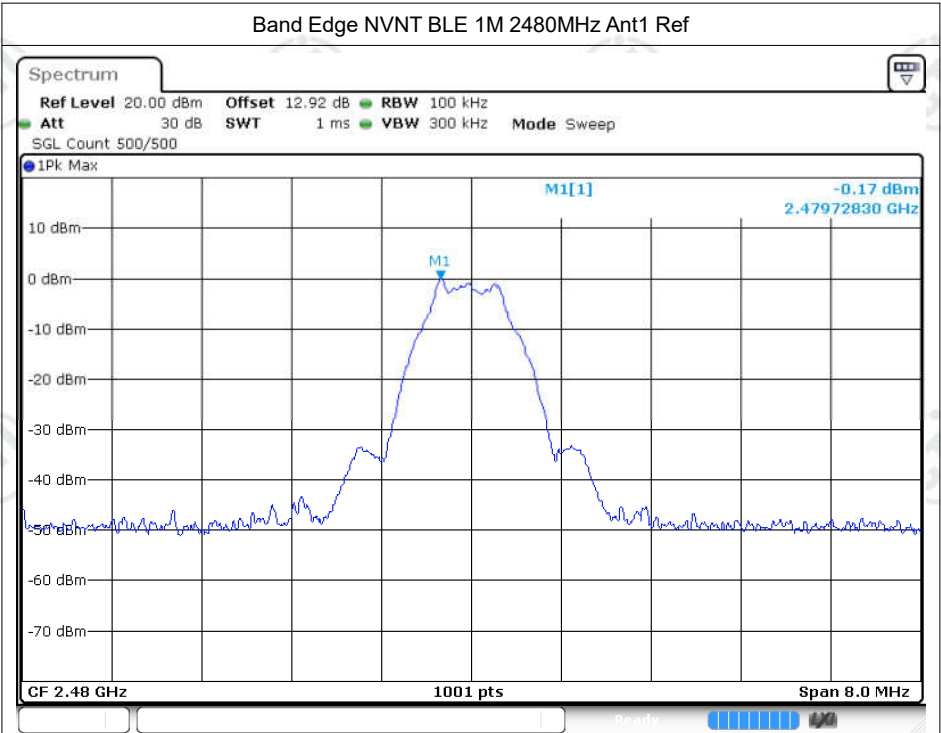
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.11	-20	Pass
NVNT	BLE 1M	2480	Ant1	-46.01	-20	Pass
NVNT	BLE 2M	2402	Ant1	-39.01	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.65	-20	Pass



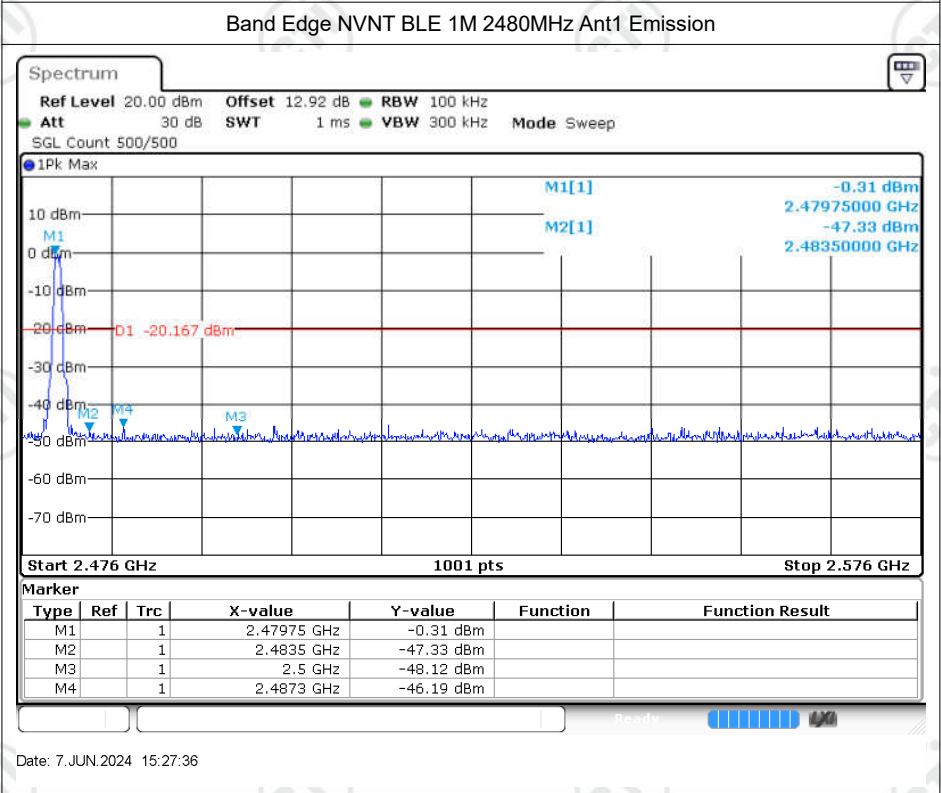
Date: 7.JUN.2024 15:19:39



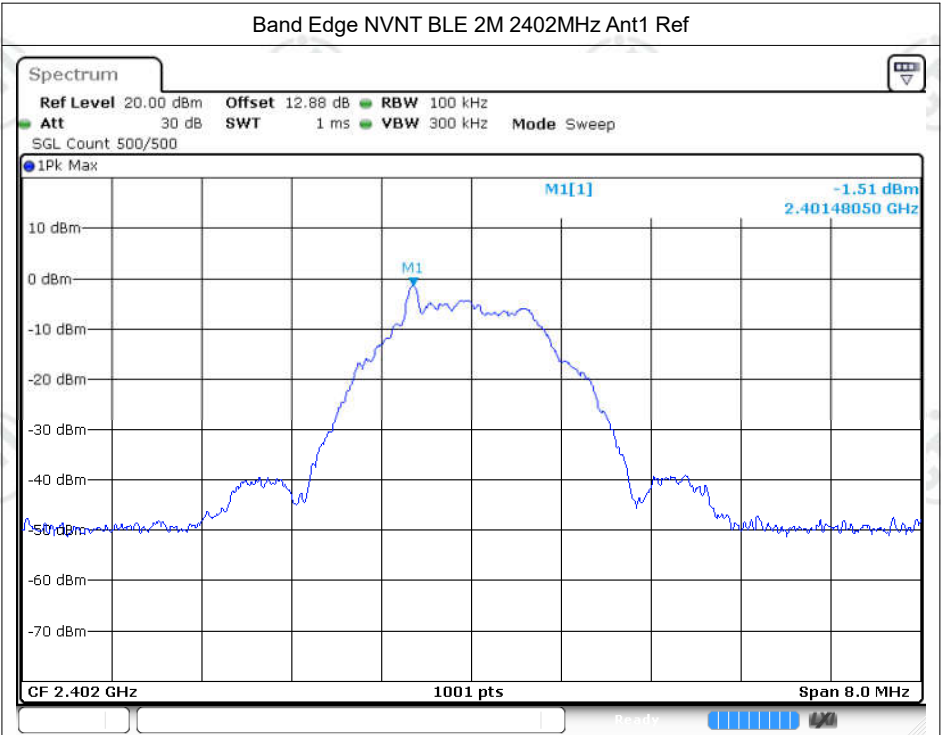
Date: 7.JUN.2024 15:19:43



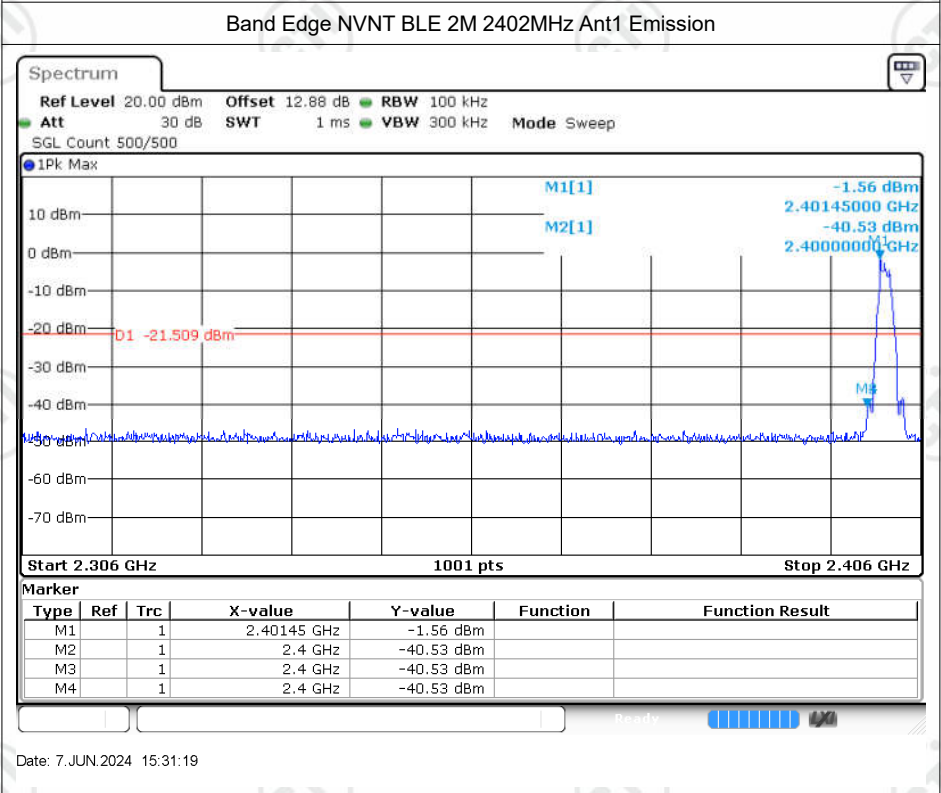
Date: 7.JUN.2024 15:27:33



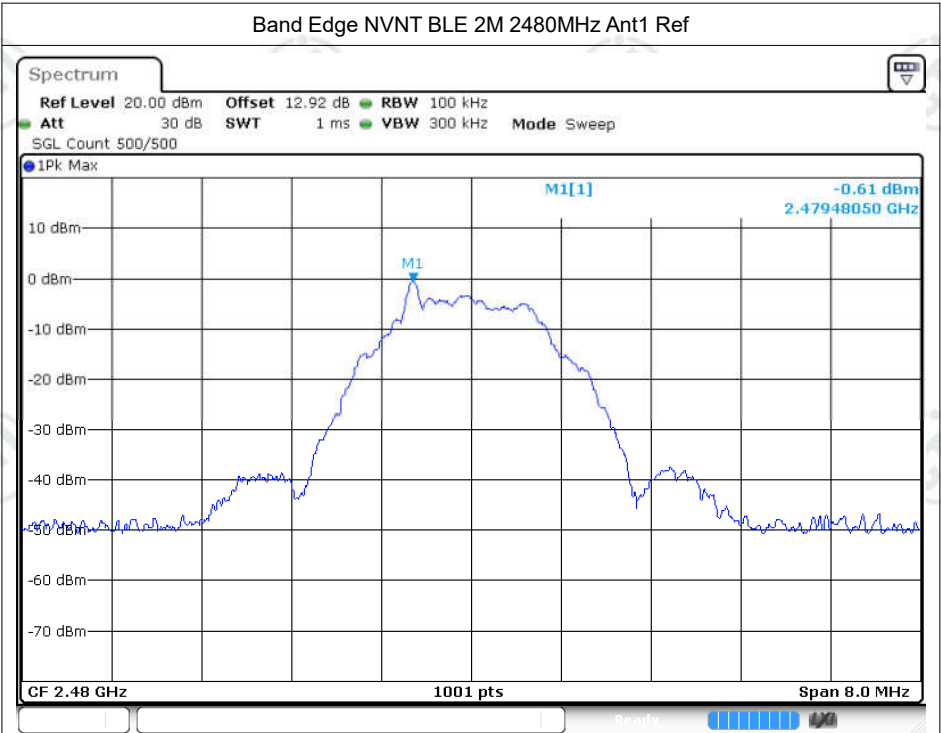
Date: 7.JUN.2024 15:27:36



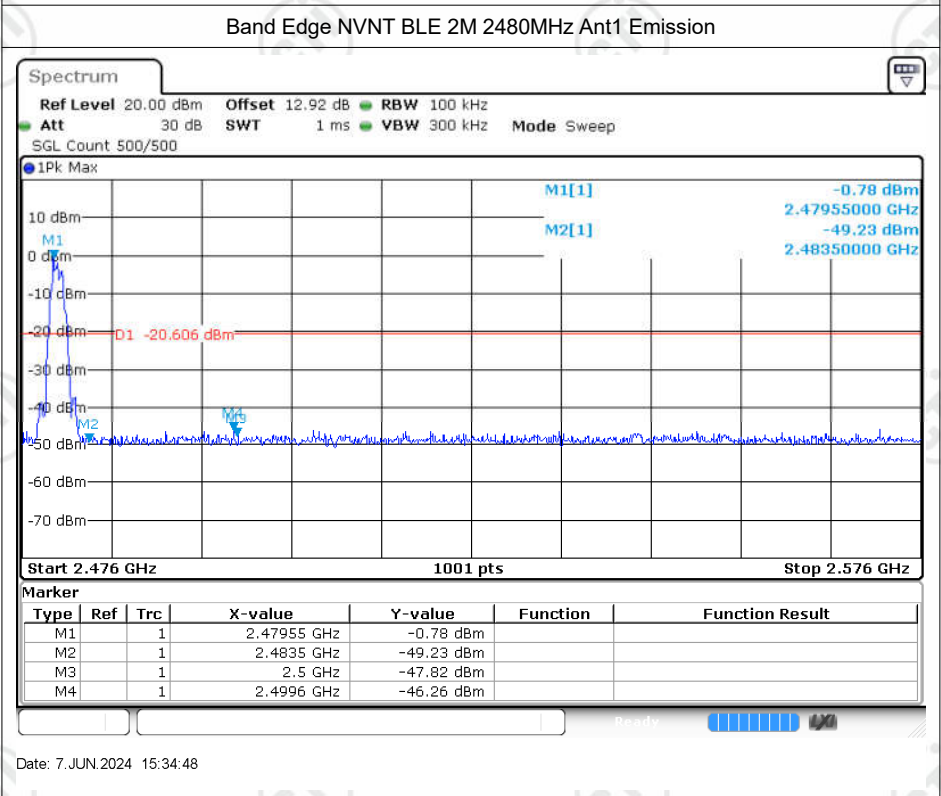
Date: 7.JUN.2024 15:31:15



Date: 7.JUN.2024 15:31:19



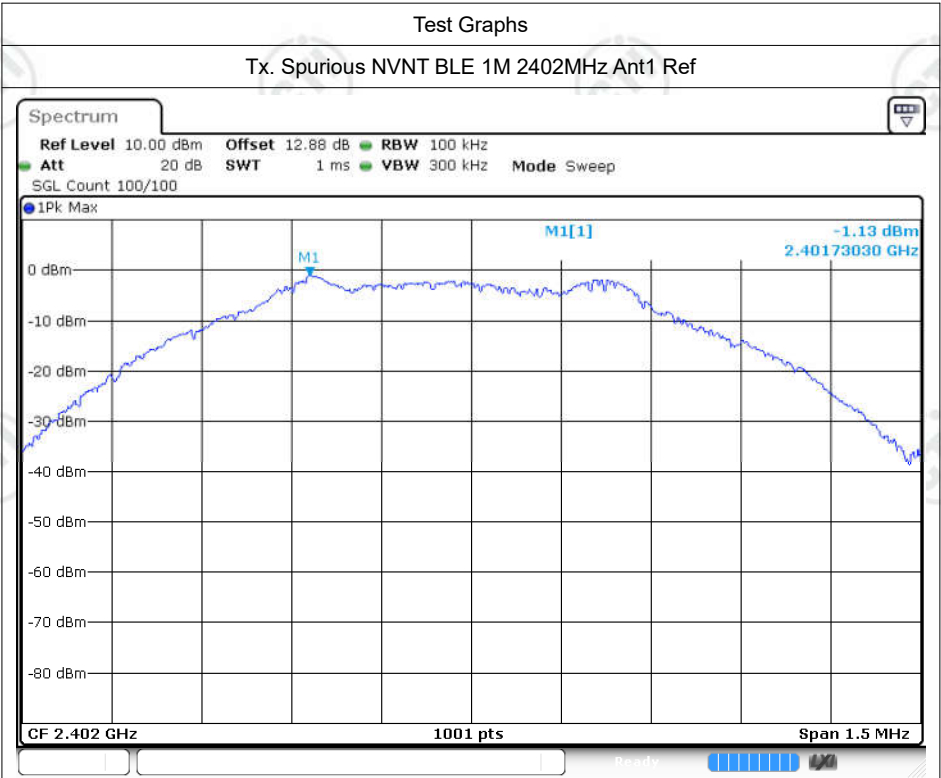
Date: 7.JUN.2024 15:34:46



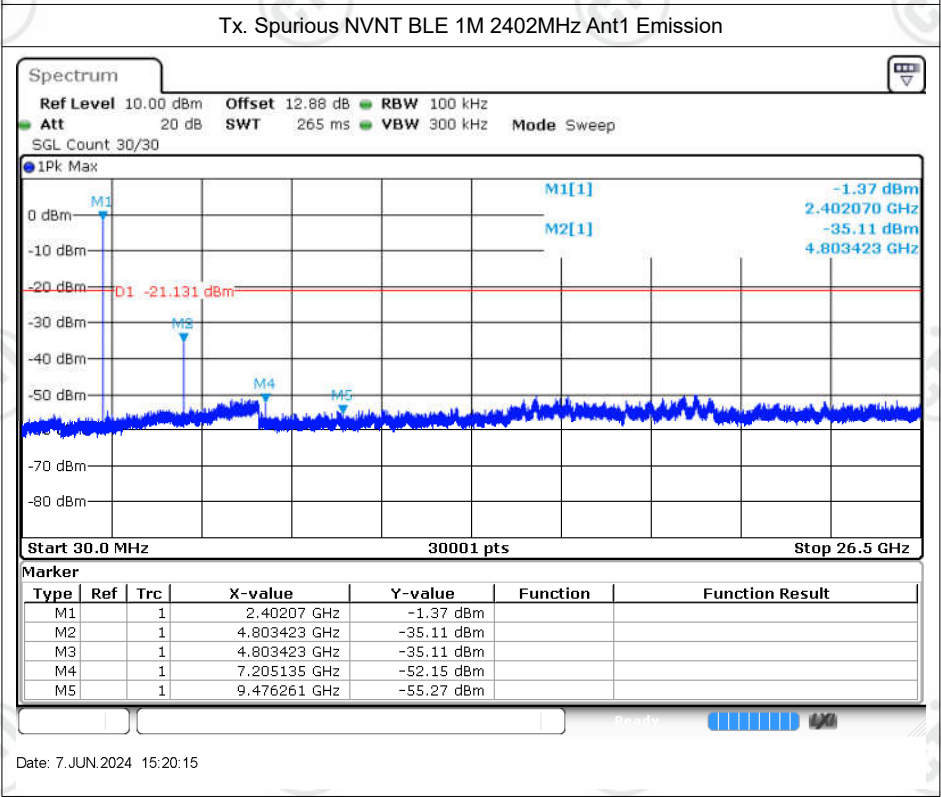
Date: 7.JUN.2024 15:34:48

Conducted RF Spurious Emission

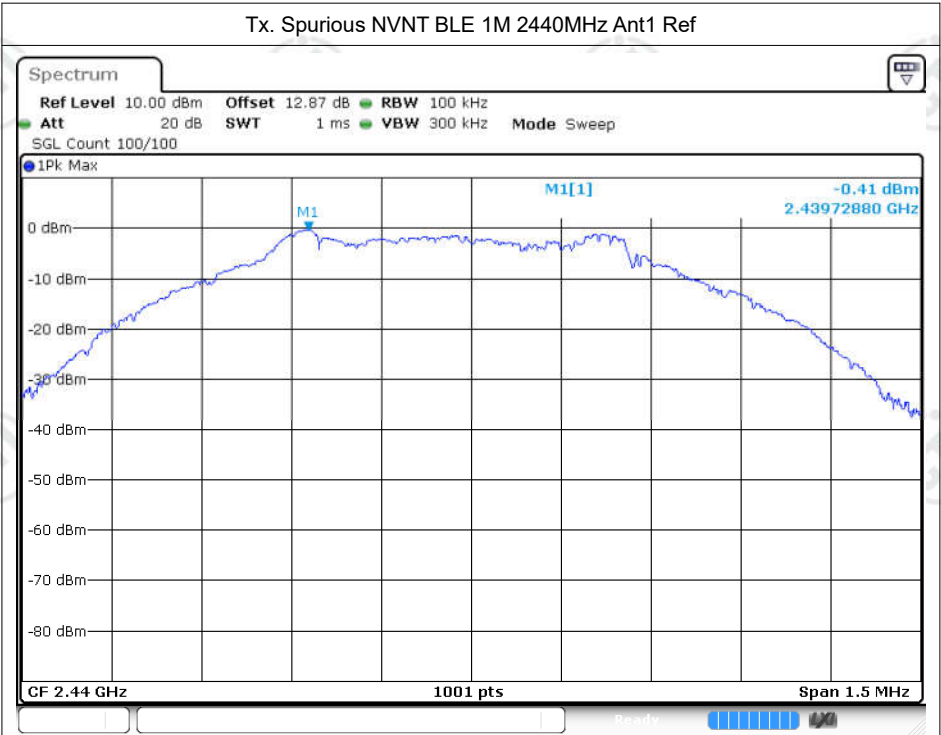
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-33.98	-20	Pass
NVNT	BLE 1M	2440	Ant1	-34.16	-20	Pass
NVNT	BLE 1M	2480	Ant1	-35.16	-20	Pass
NVNT	BLE 2M	2402	Ant1	-37.5	-20	Pass
NVNT	BLE 2M	2440	Ant1	-36.68	-20	Pass
NVNT	BLE 2M	2480	Ant1	-37.95	-20	Pass



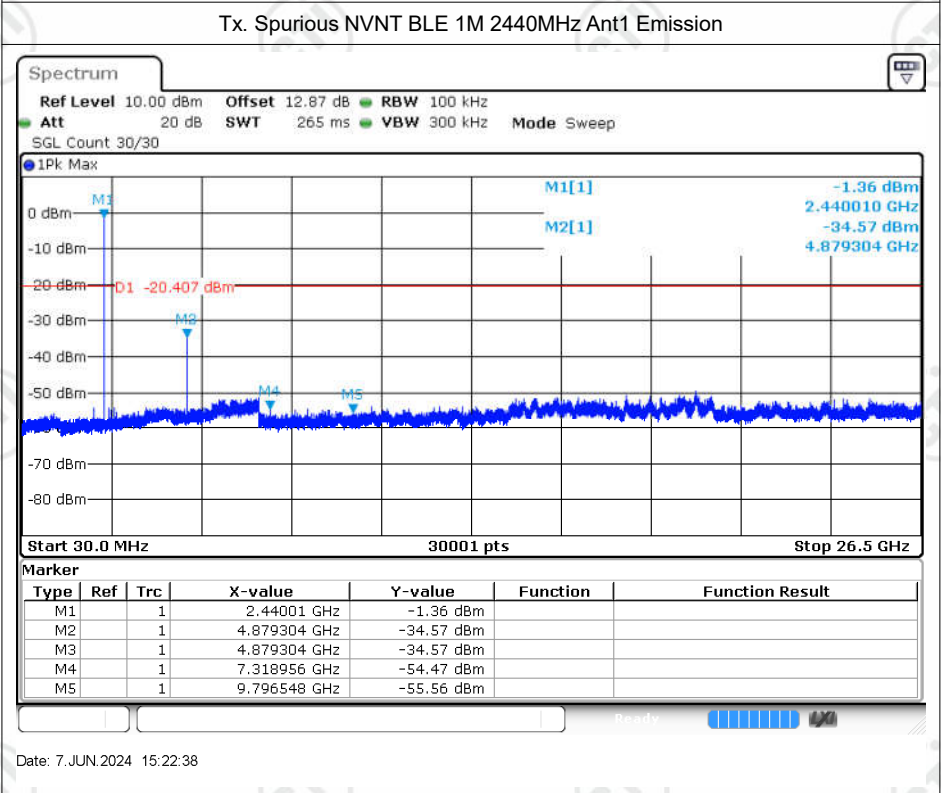
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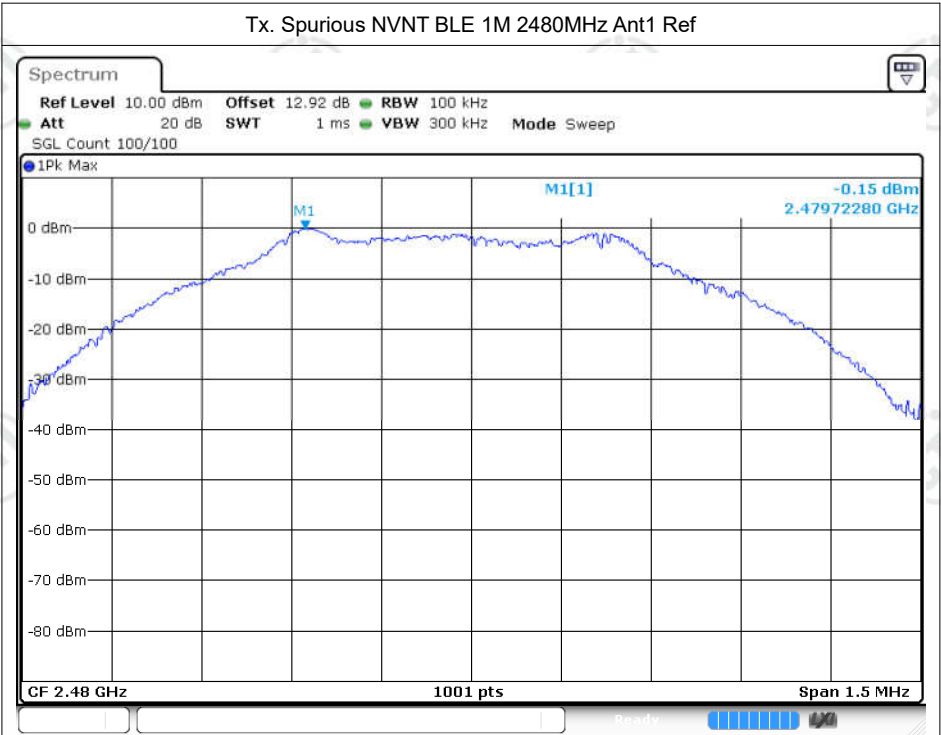
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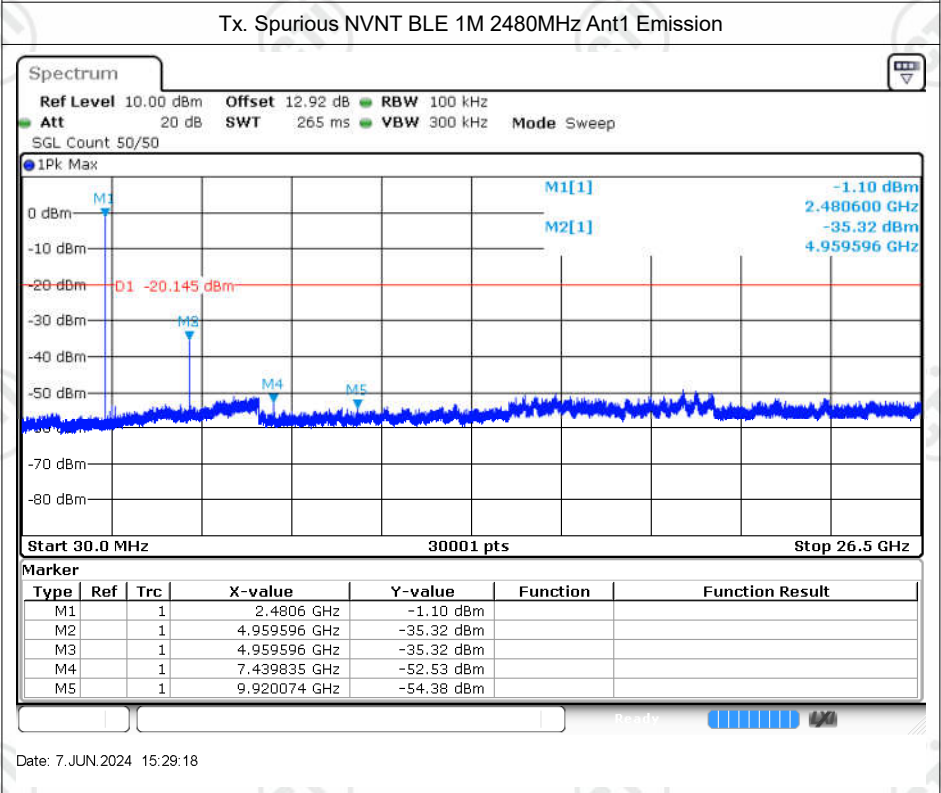
Date: 7 JUN 2024 15:22:08



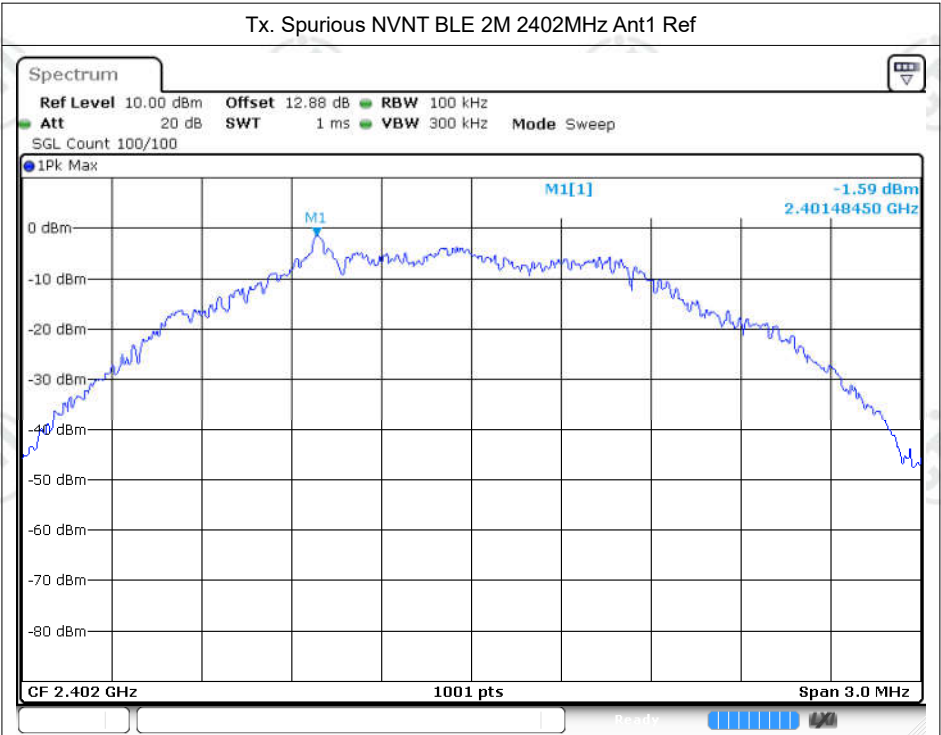
Date: 7 JUN 2024 15:22:38



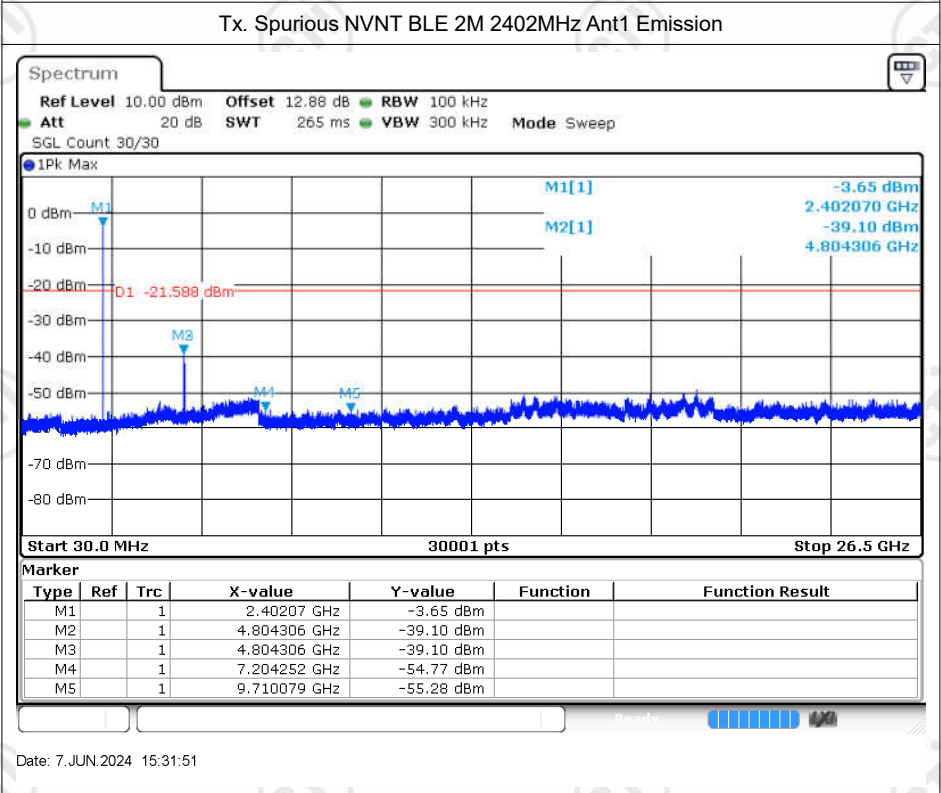
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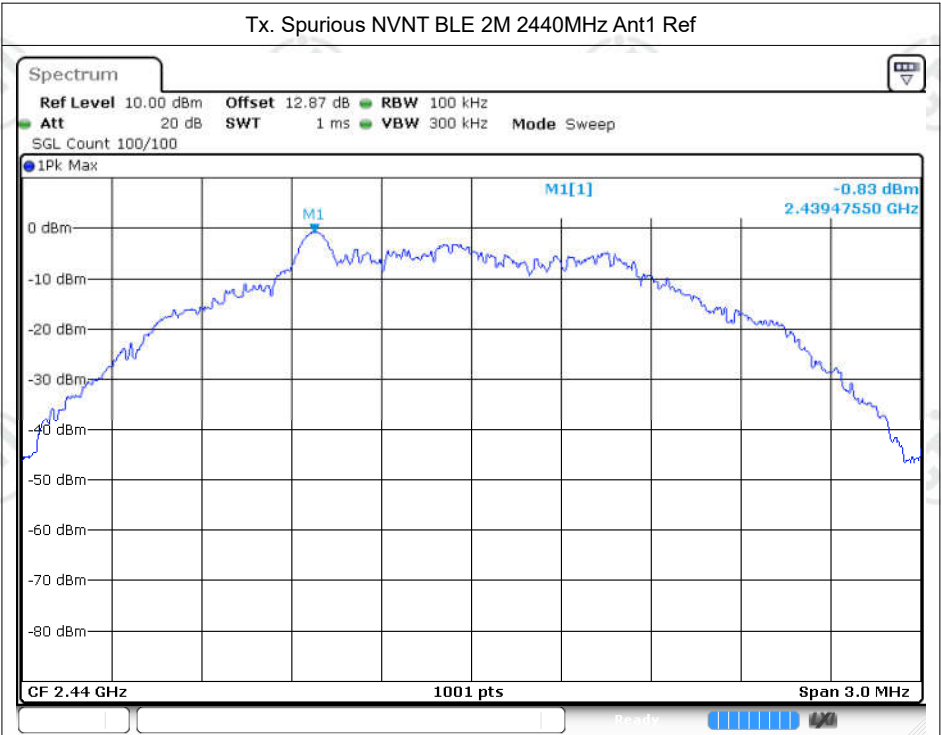
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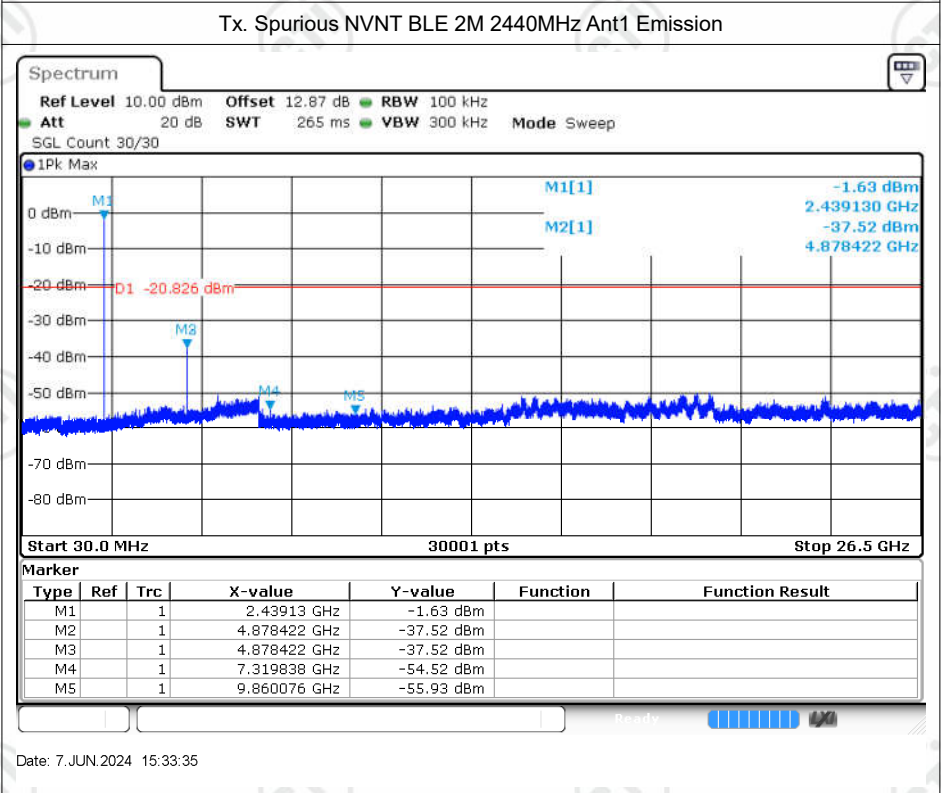
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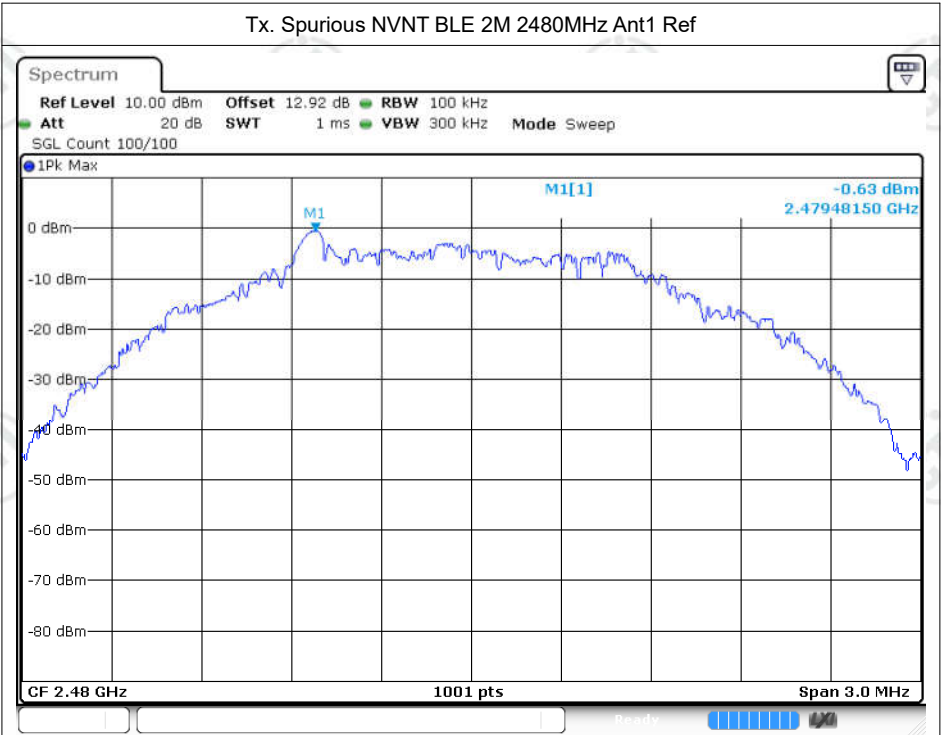
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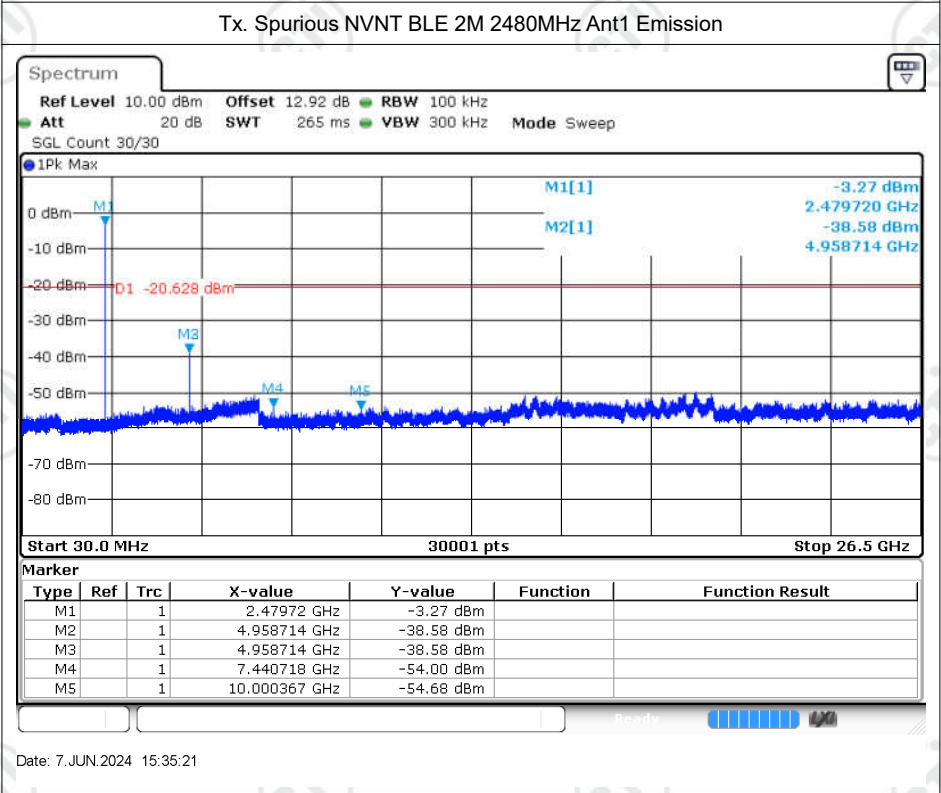
Date: 7 JUN 2024 15:33:05



Date: 7 JUN 2024 15:33:35



Date: 7.JUN.2024 15:34:51



Date: 7.JUN.2024 15:35:21

*** End of Report ***