

Appendix: Bluetooth LE

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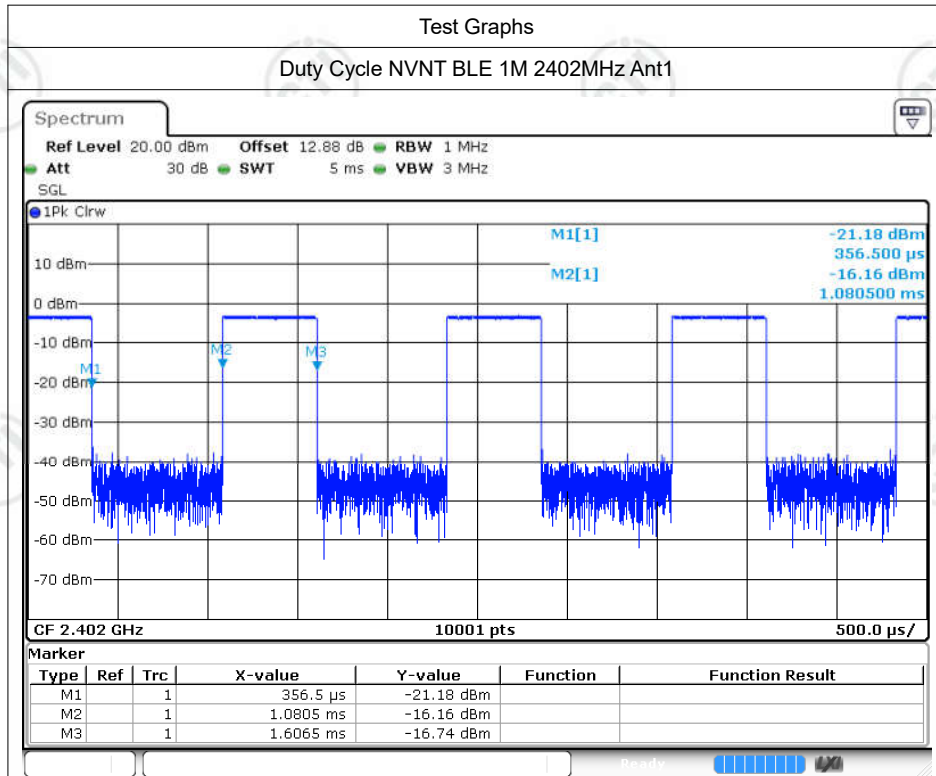
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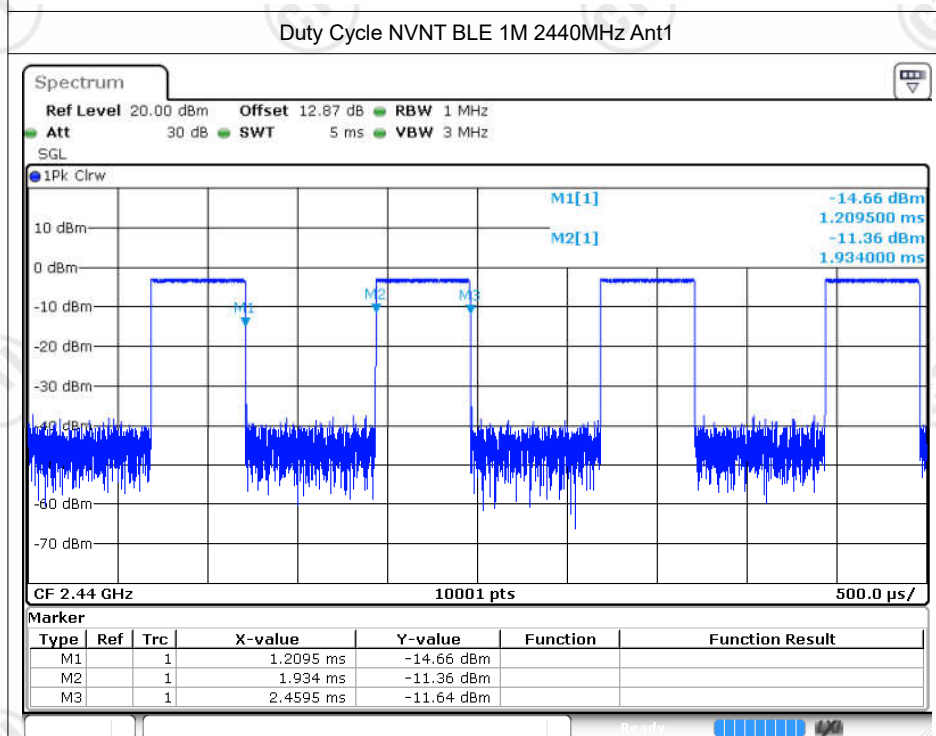
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Duty Cycle

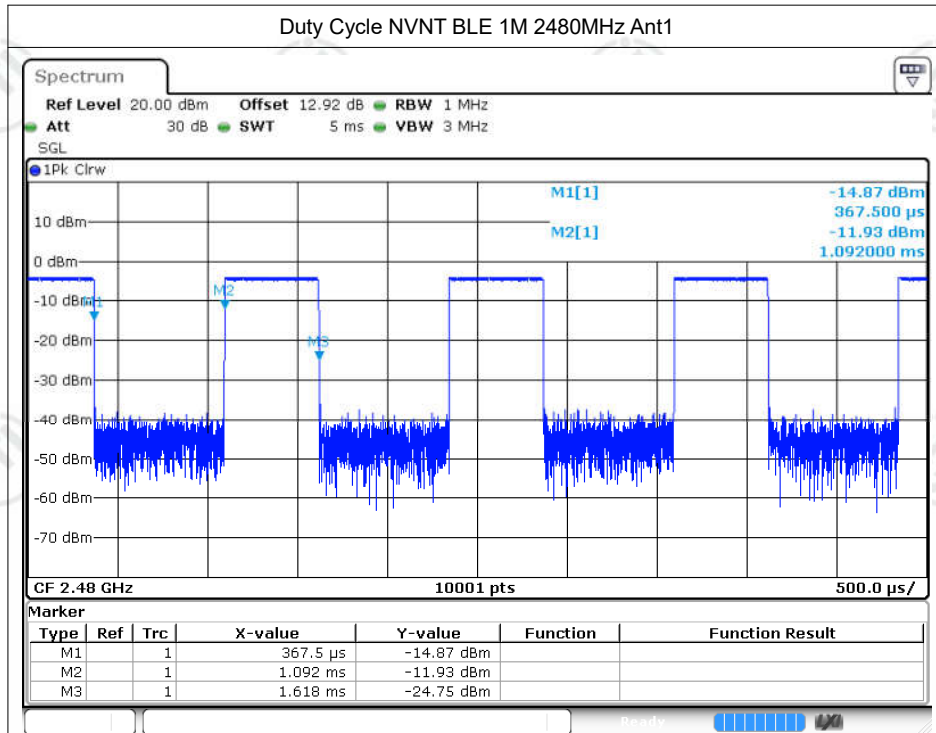
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	42.08	3.76	1.9
NVNT	BLE 1M	2440	Ant1	42.04	3.76	1.9
NVNT	BLE 1M	2480	Ant1	42.06	3.76	1.9
NVNT	BLE 2M	2402	Ant1	21.91	6.59	3.65
NVNT	BLE 2M	2440	Ant1	21.92	6.59	3.65
NVNT	BLE 2M	2480	Ant1	21.88	6.6	3.66



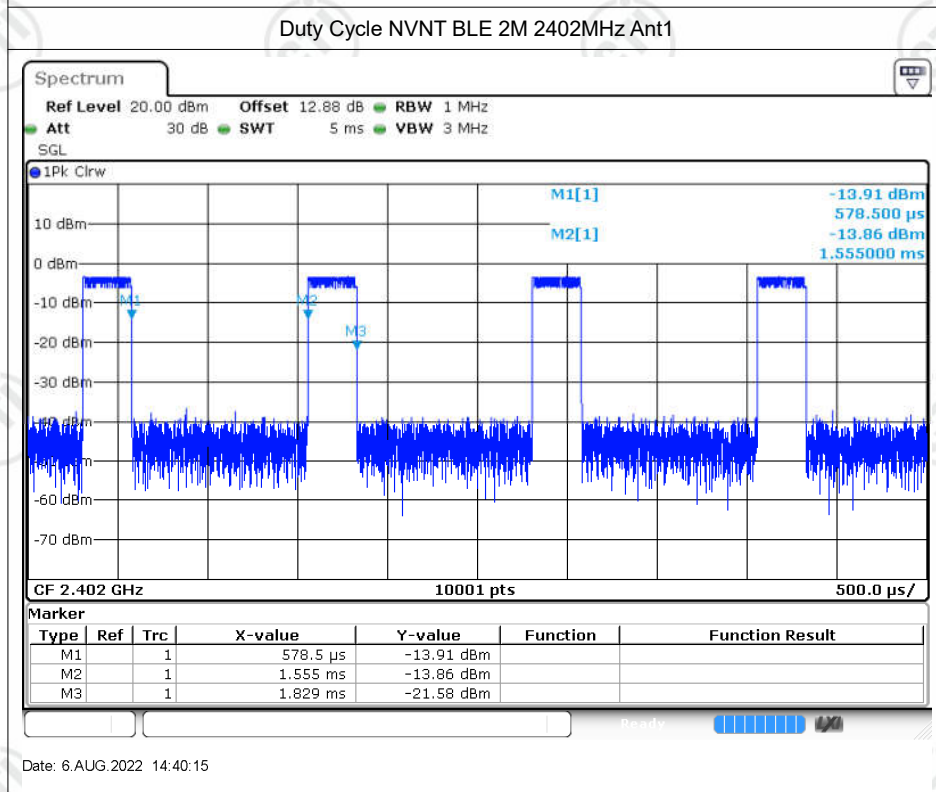
Date: 6.AUG.2022 14:17:54



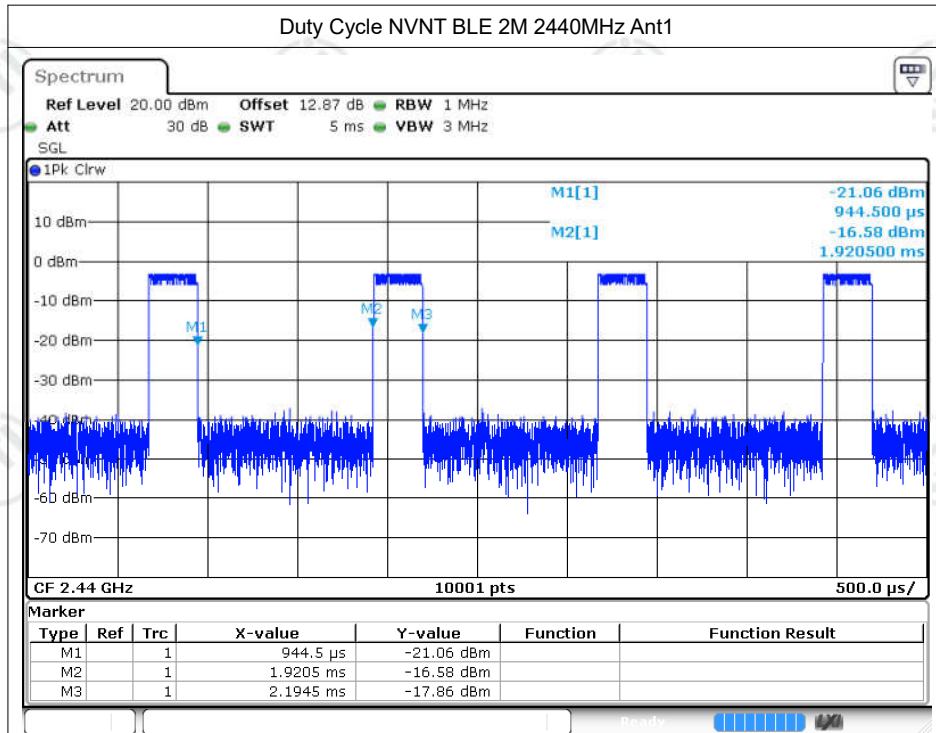
Date: 6.AUG.2022 14:35:38



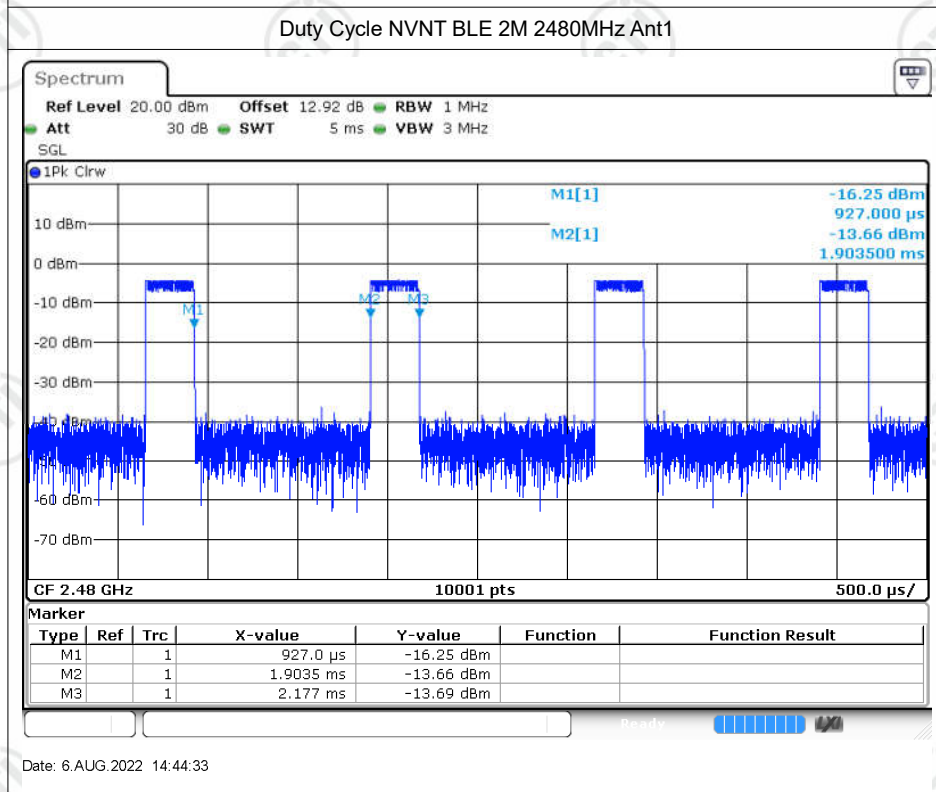
Date: 6.AUG.2022 14:50:51



Date: 6.AUG.2022 14:40:15



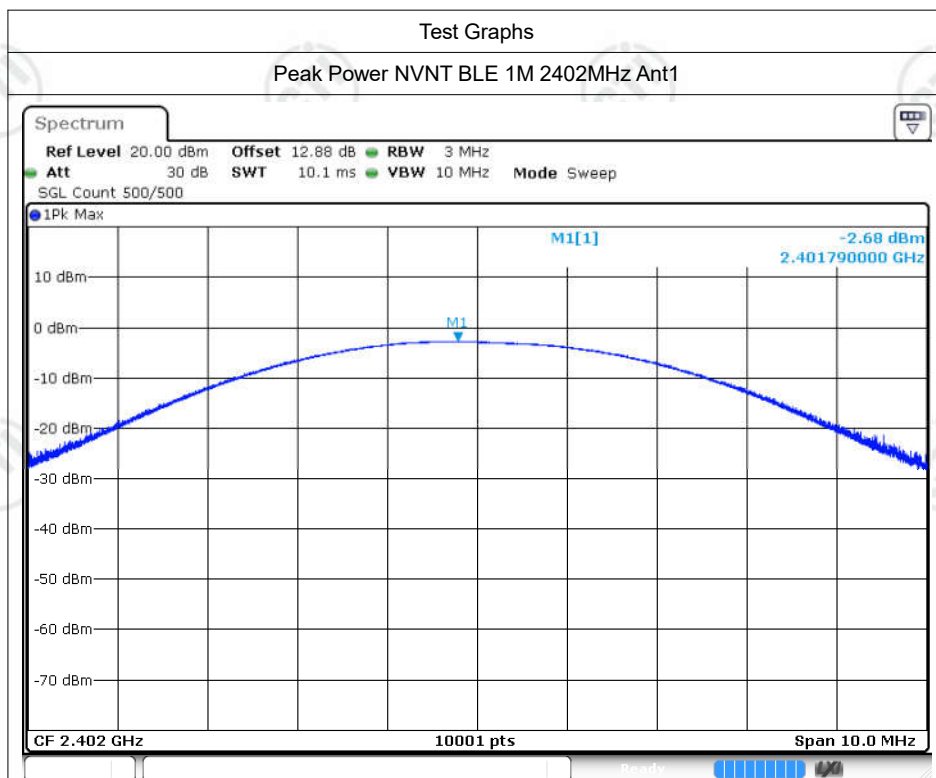
Date: 6.AUG.2022 14:42:39



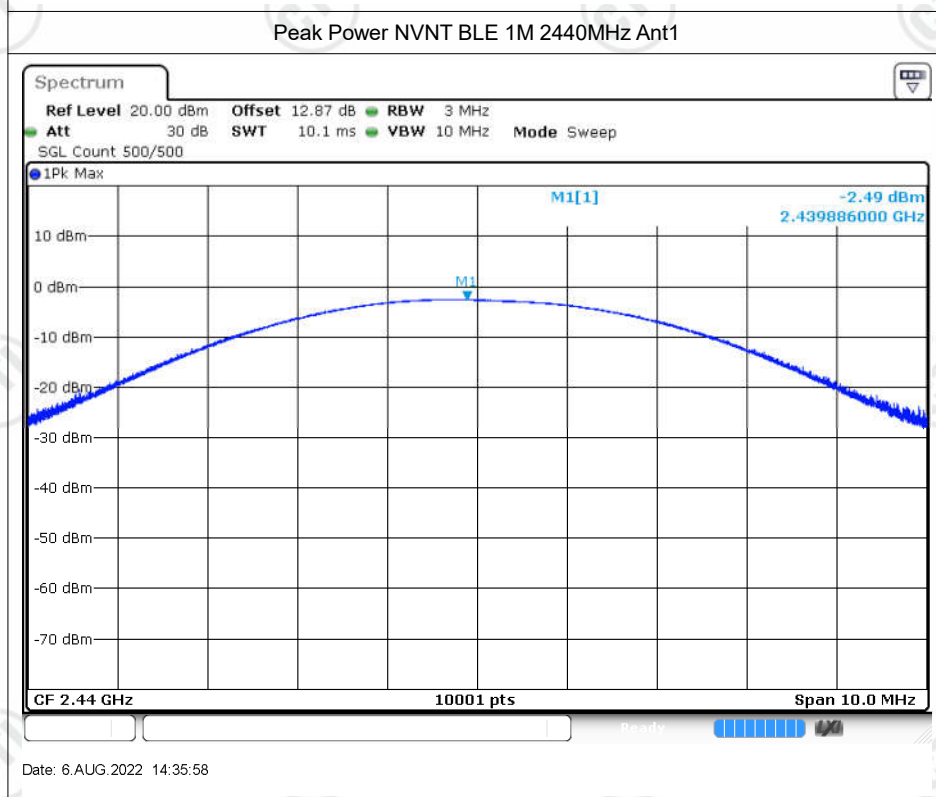
Date: 6.AUG.2022 14:44:33

Maximum Peak Conducted Output Power

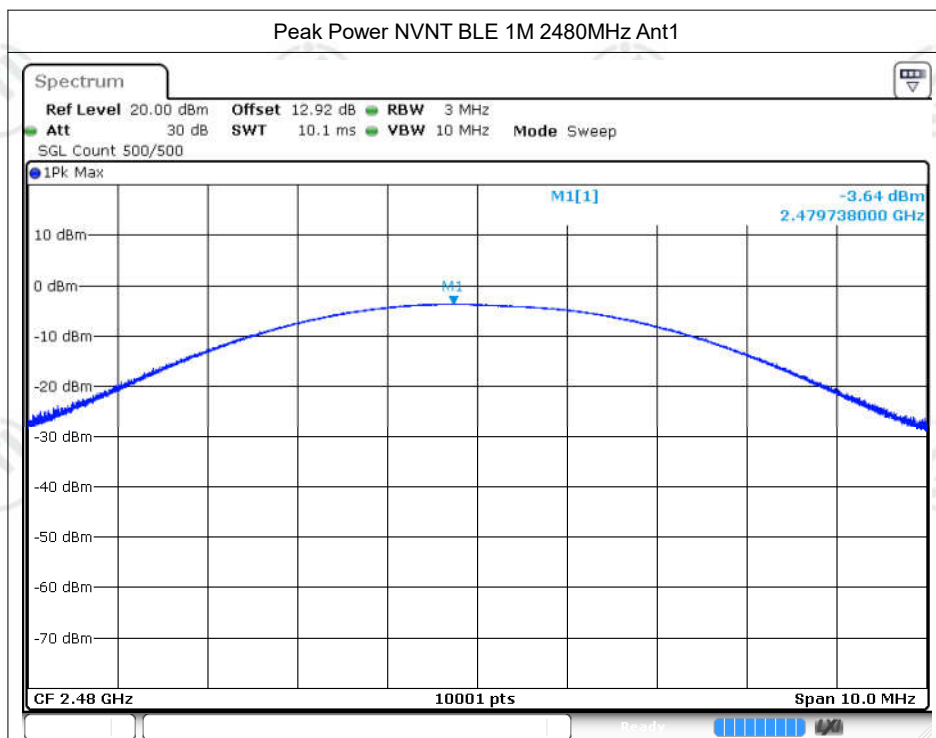
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.68	0	-2.68	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.49	0	-2.49	30	Pass
NVNT	BLE 1M	2480	Ant1	-3.64	0	-3.64	30	Pass
NVNT	BLE 2M	2402	Ant1	-2.46	0	-2.46	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.23	0	-2.23	30	Pass
NVNT	BLE 2M	2480	Ant1	-3.35	0	-3.35	30	Pass



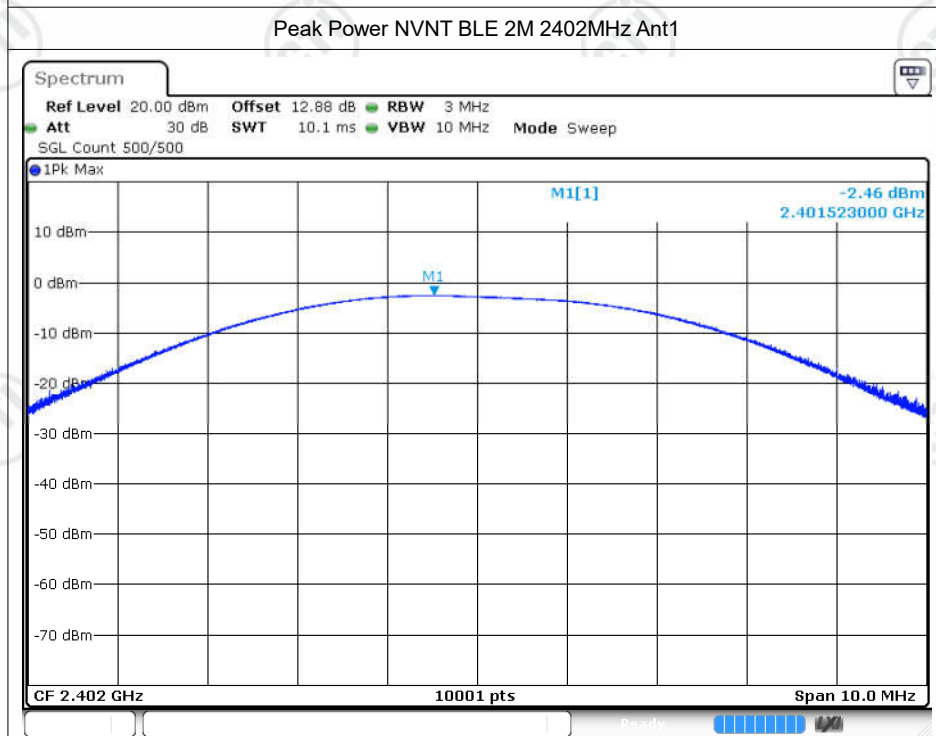
Date: 6.AUG.2022 14:18:14



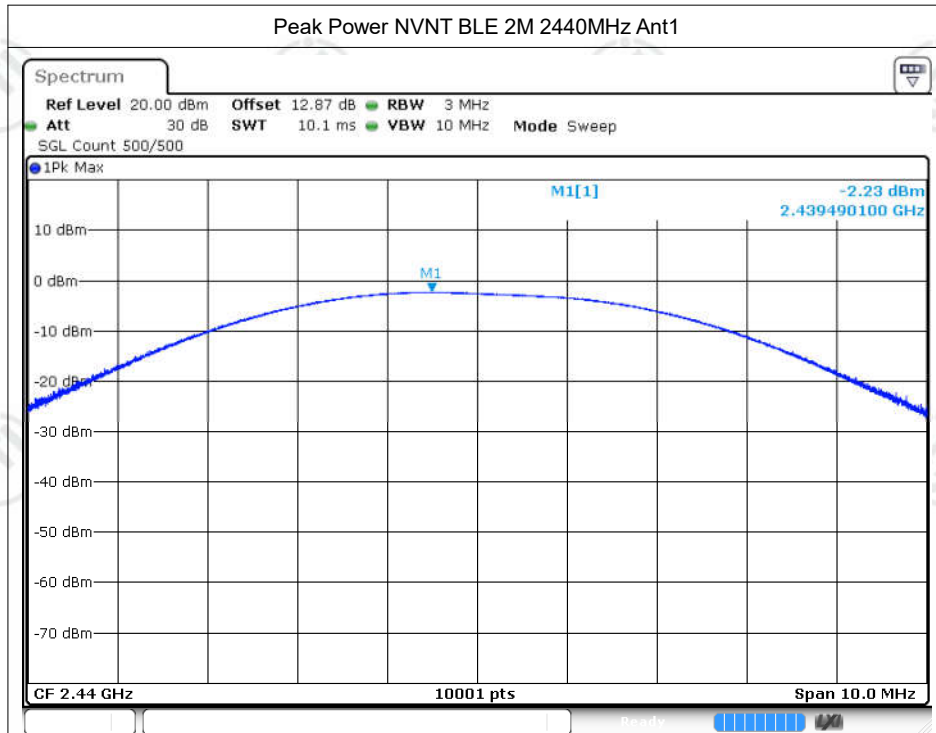
Date: 6.AUG.2022 14:35:58



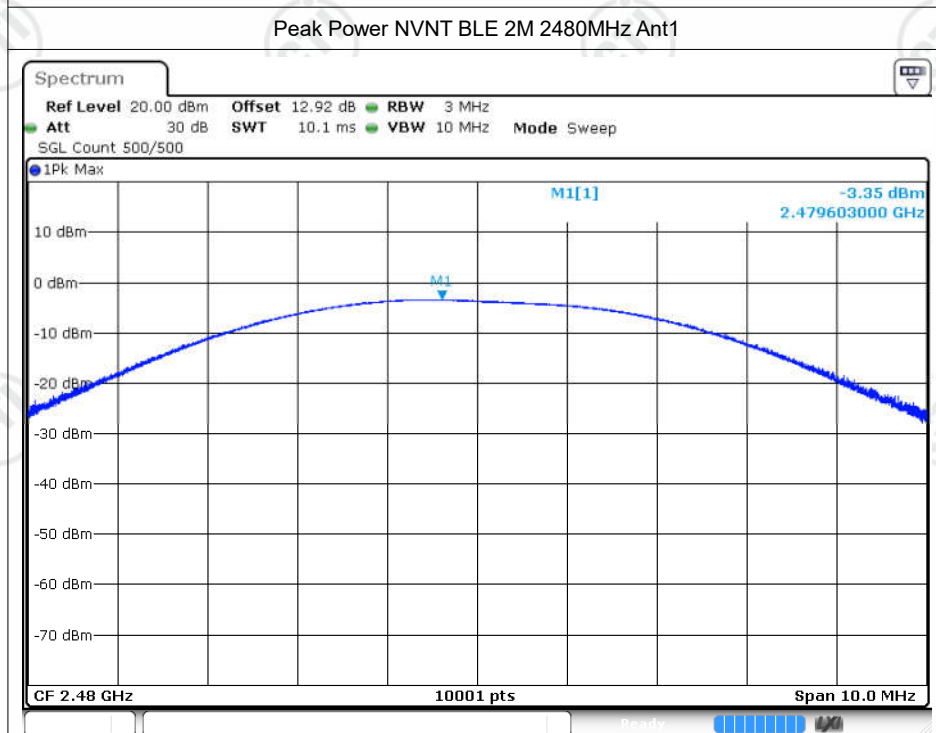
Date: 6.AUG.2022 14:37:45



Date: 6.AUG.2022 14:40:35



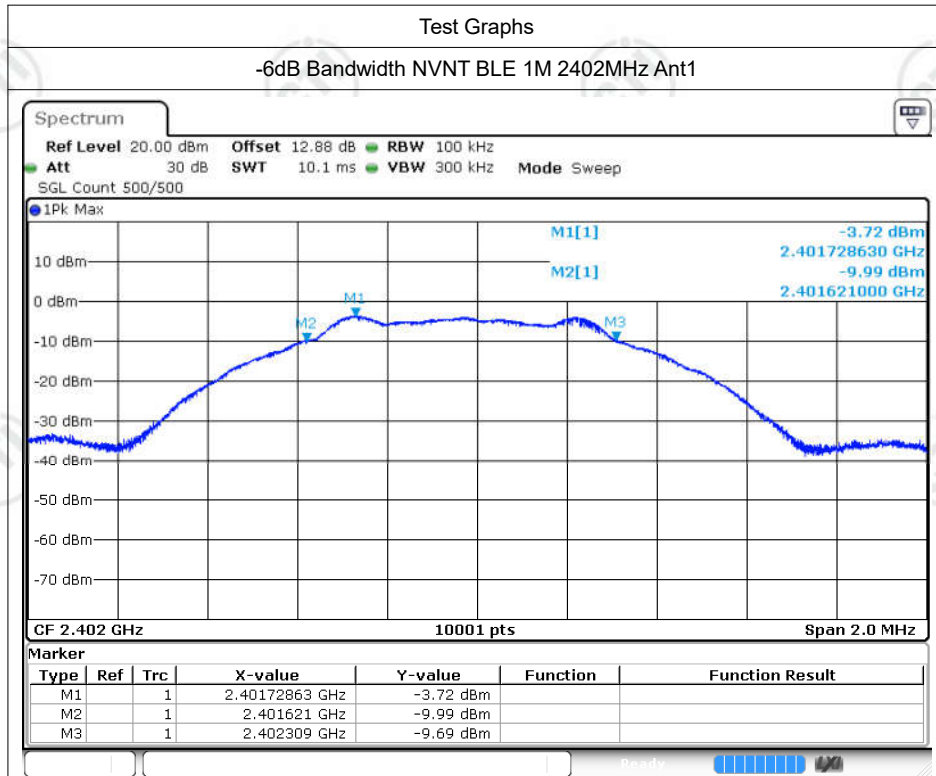
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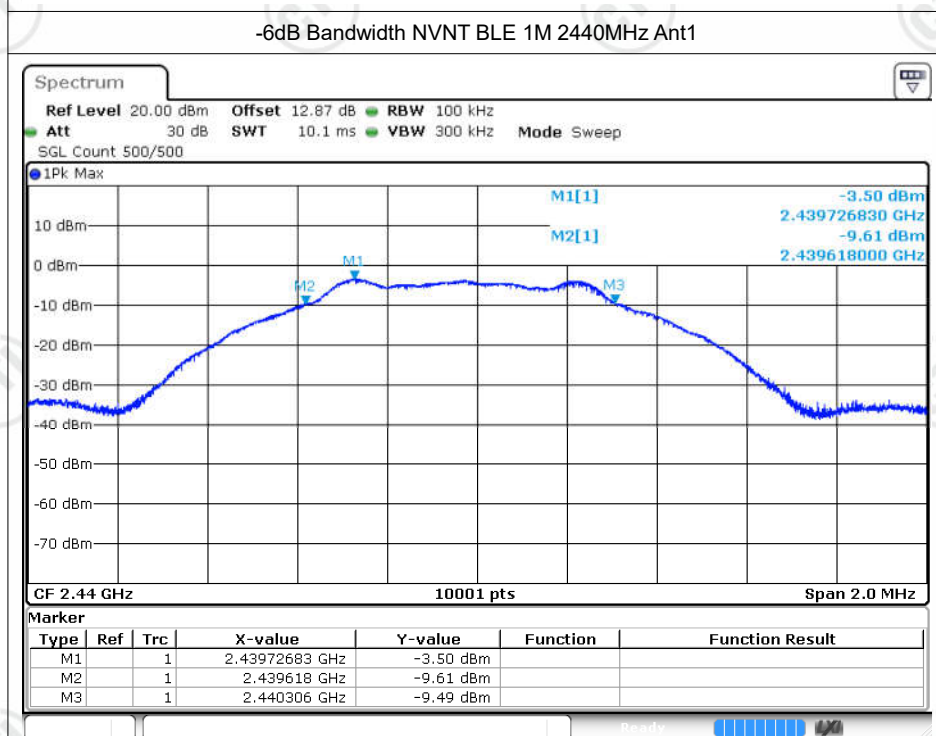
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-6dB Bandwidth

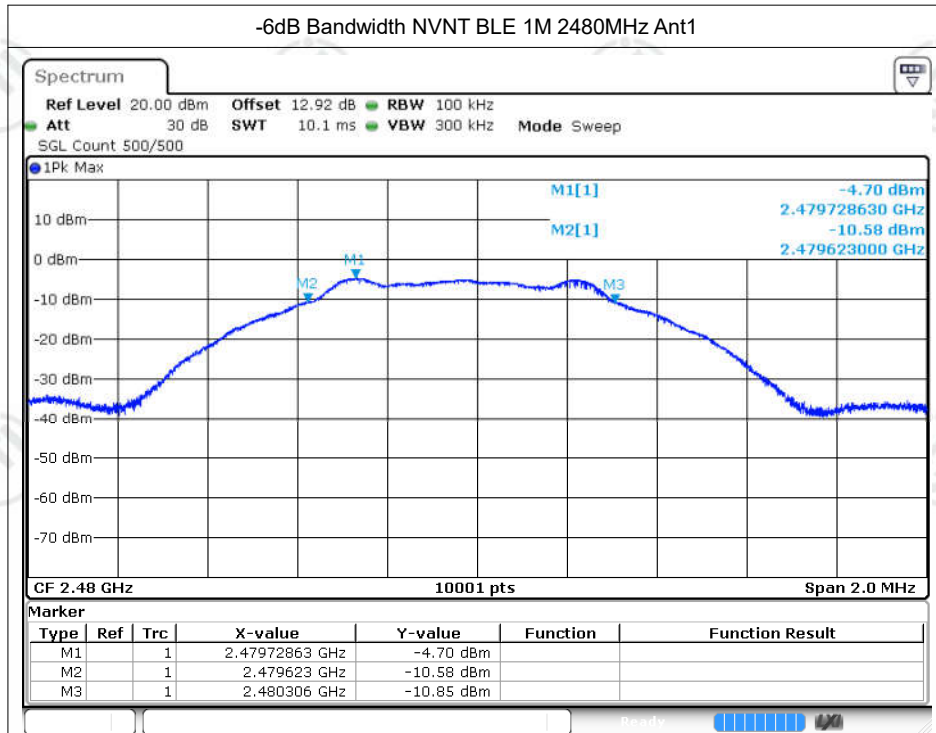
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.688	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.688	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.684	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.14	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.135	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.135	0.5	Pass



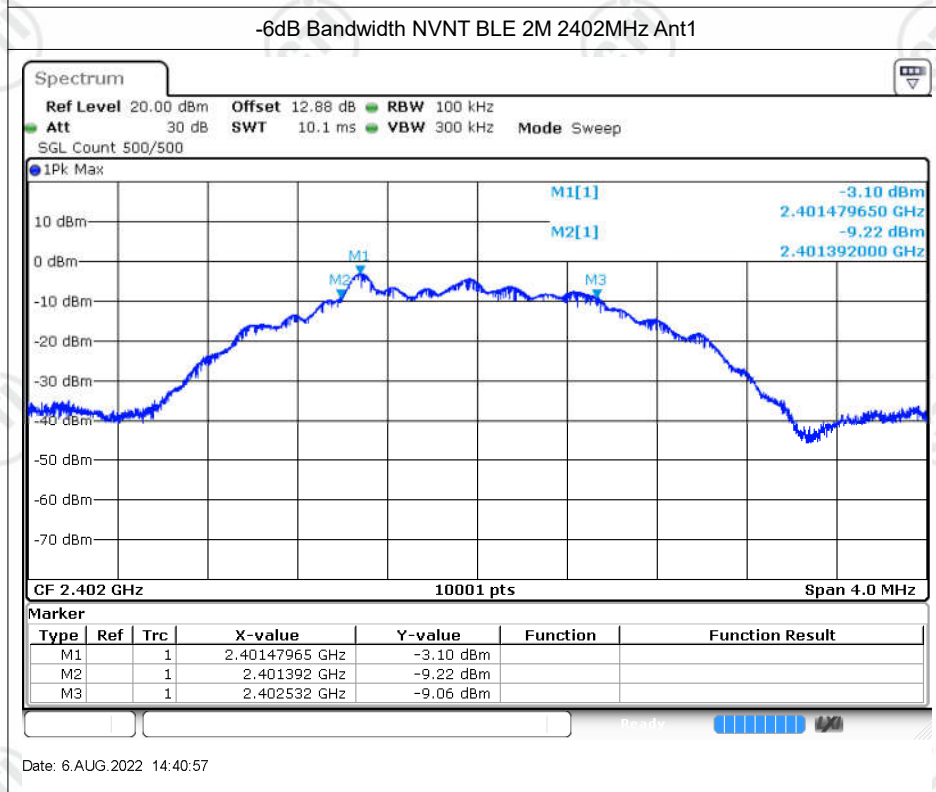
Date: 6.AUG.2022 14:18:35



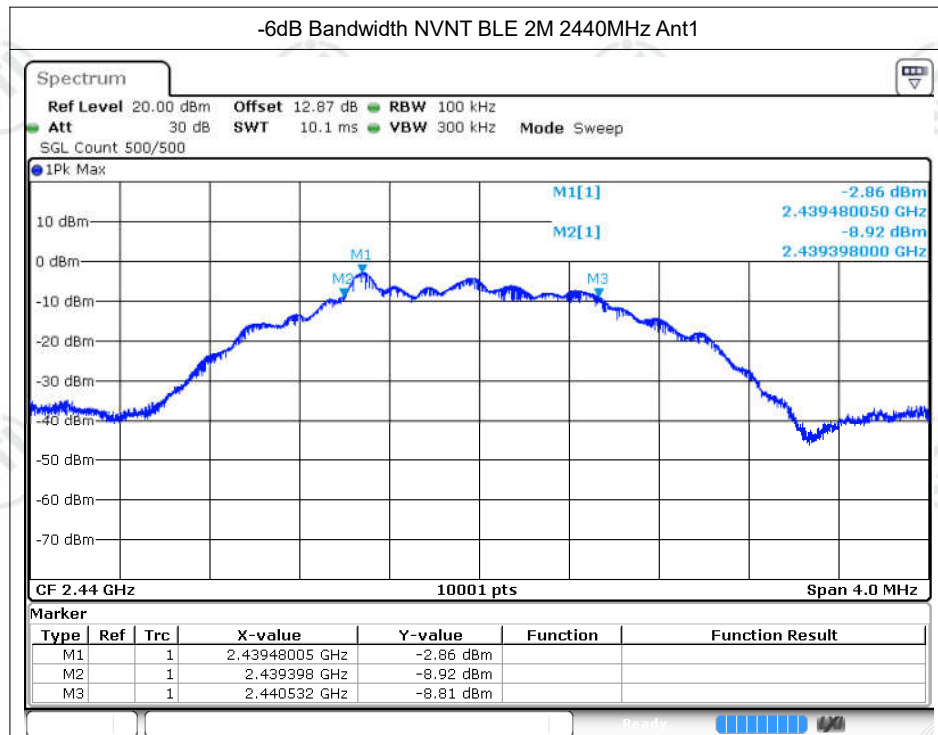
Date: 6.AUG.2022 14:36:20



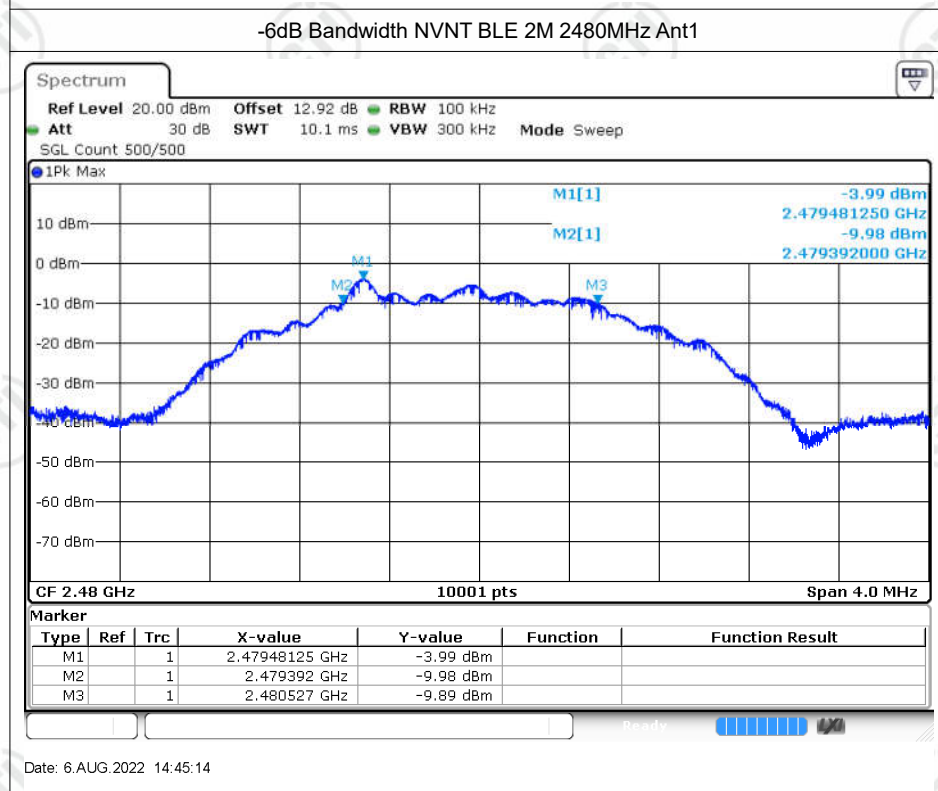
Date: 6.AUG.2022 14:38:07



Date: 6.AUG.2022 14:40:57



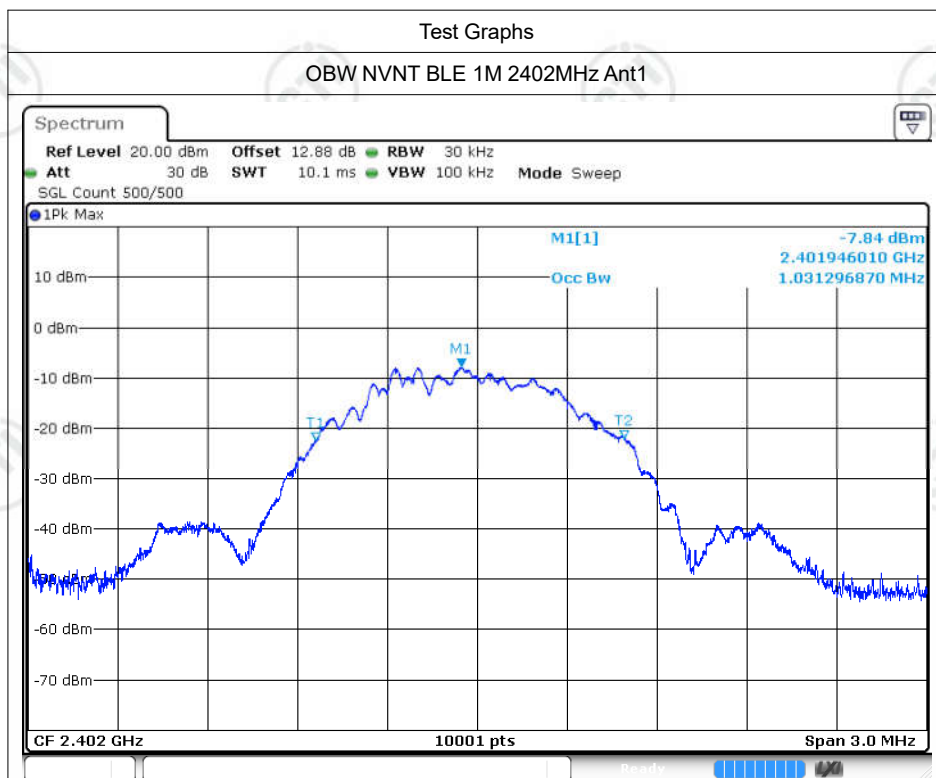
Date: 6.AUG.2022 14:43:20



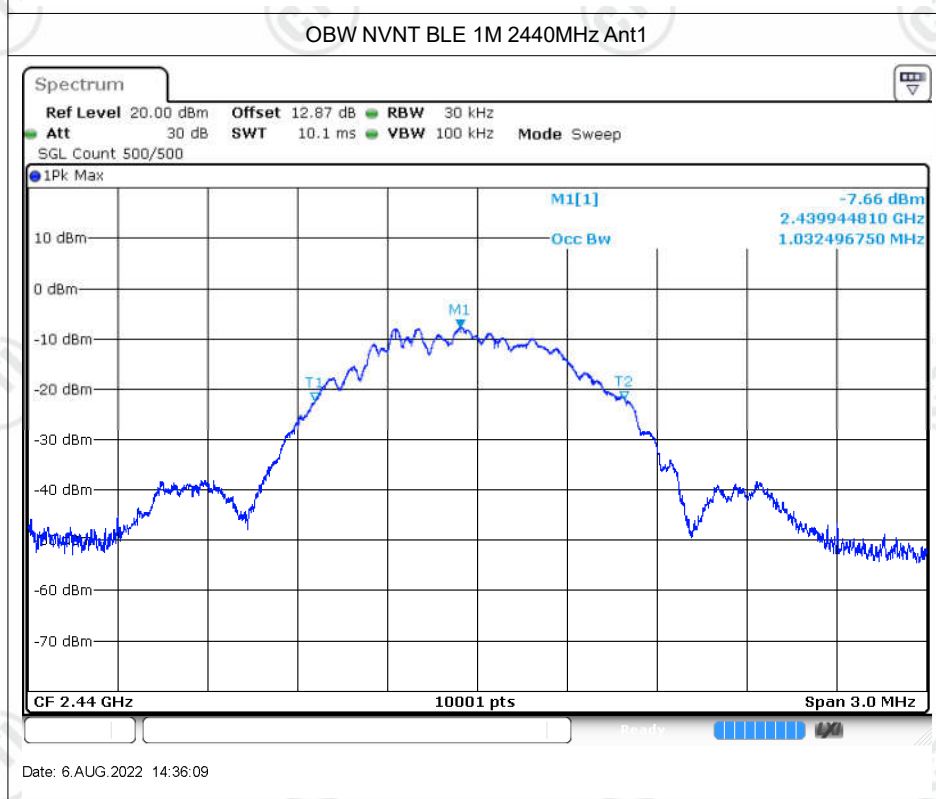
Date: 6.AUG.2022 14:45:14

Occupied Channel Bandwidth

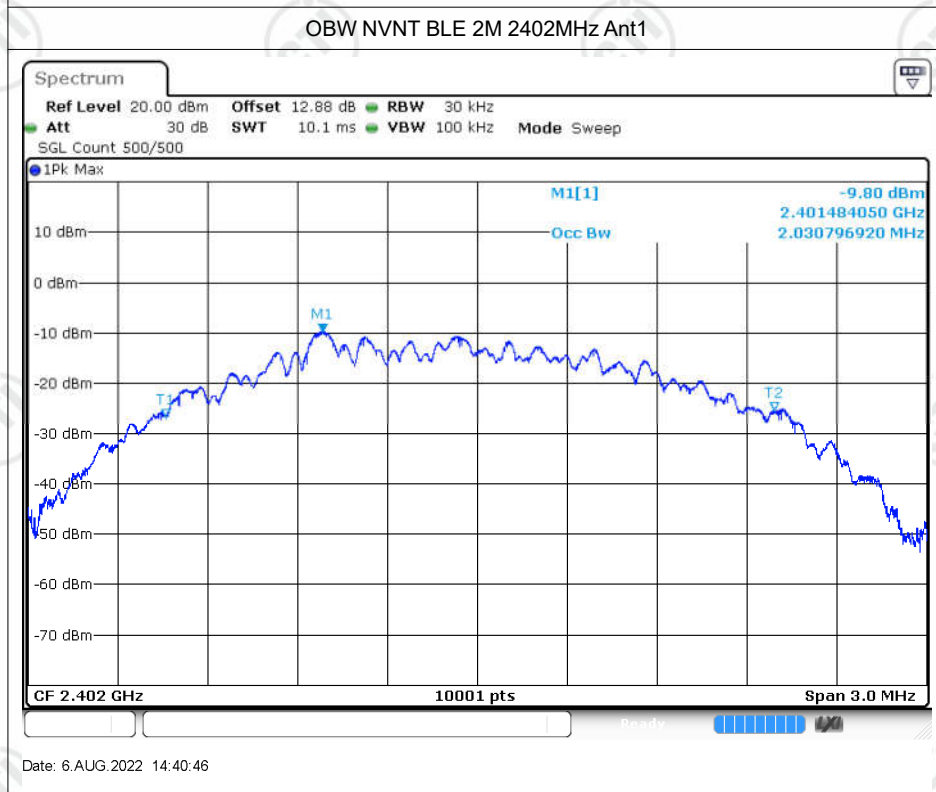
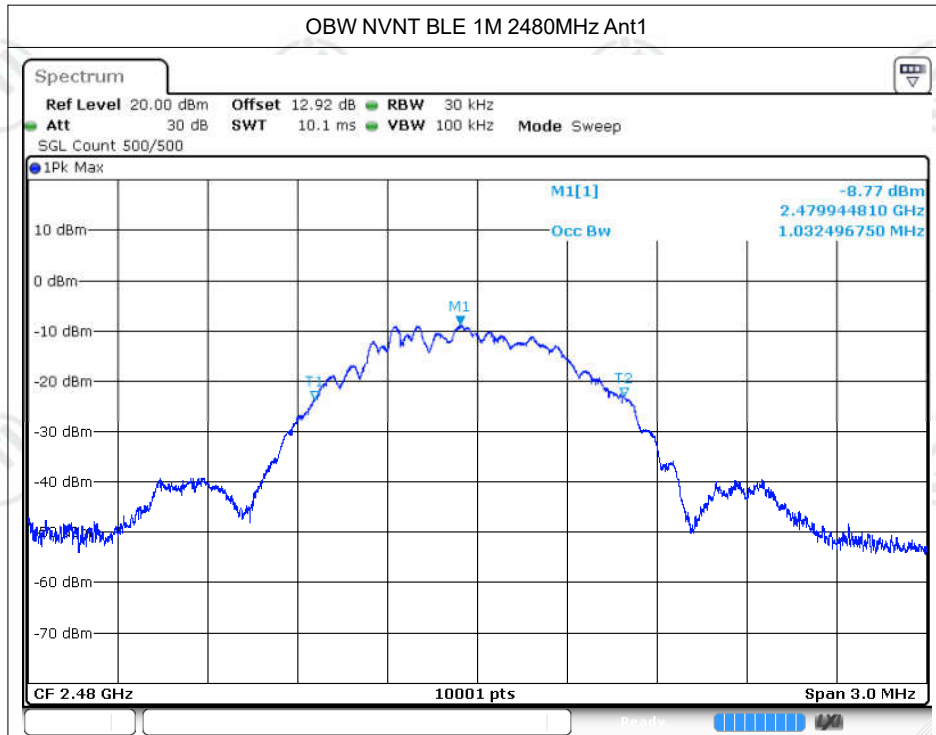
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.031
NVNT	BLE 1M	2440	Ant1	1.032
NVNT	BLE 1M	2480	Ant1	1.032
NVNT	BLE 2M	2402	Ant1	2.031
NVNT	BLE 2M	2440	Ant1	2.032
NVNT	BLE 2M	2480	Ant1	2.033

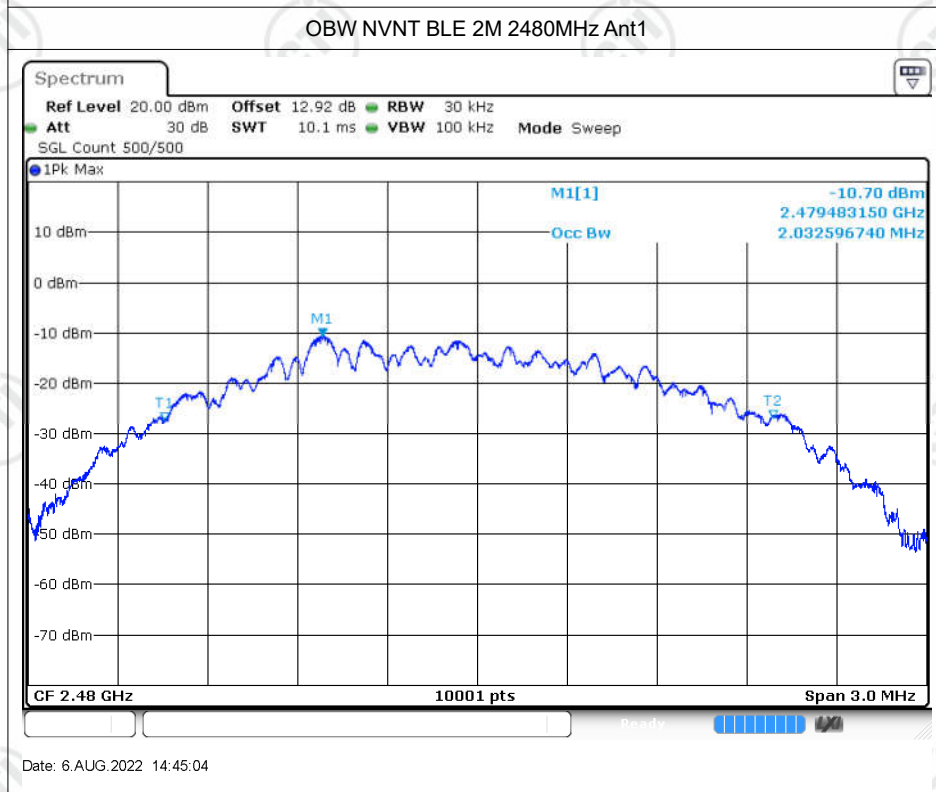
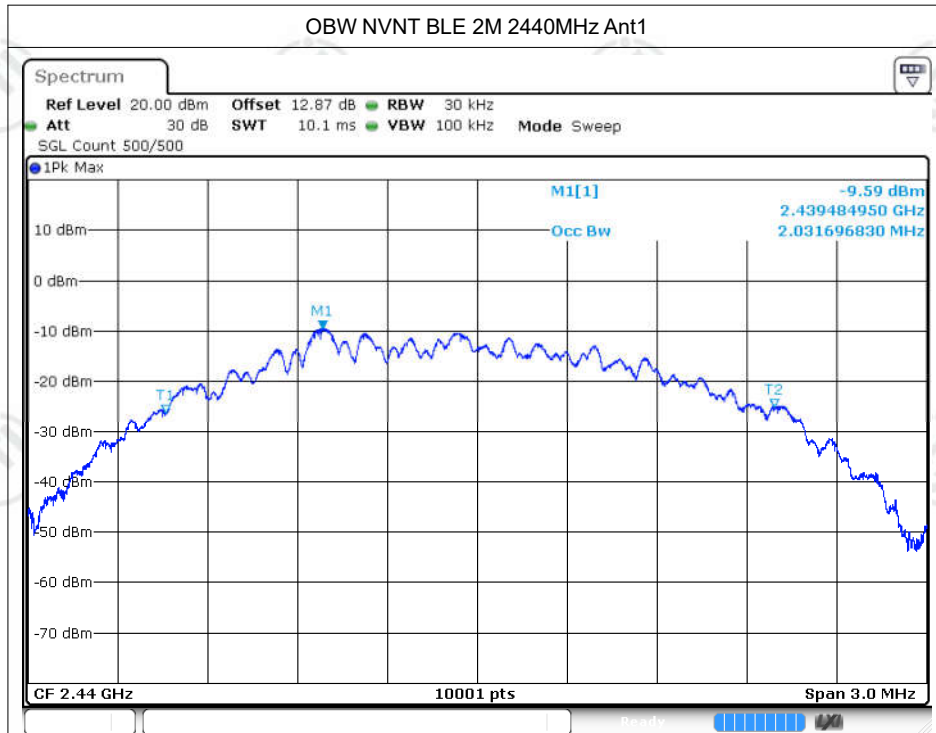


Date: 6.AUG.2022 14:18:25



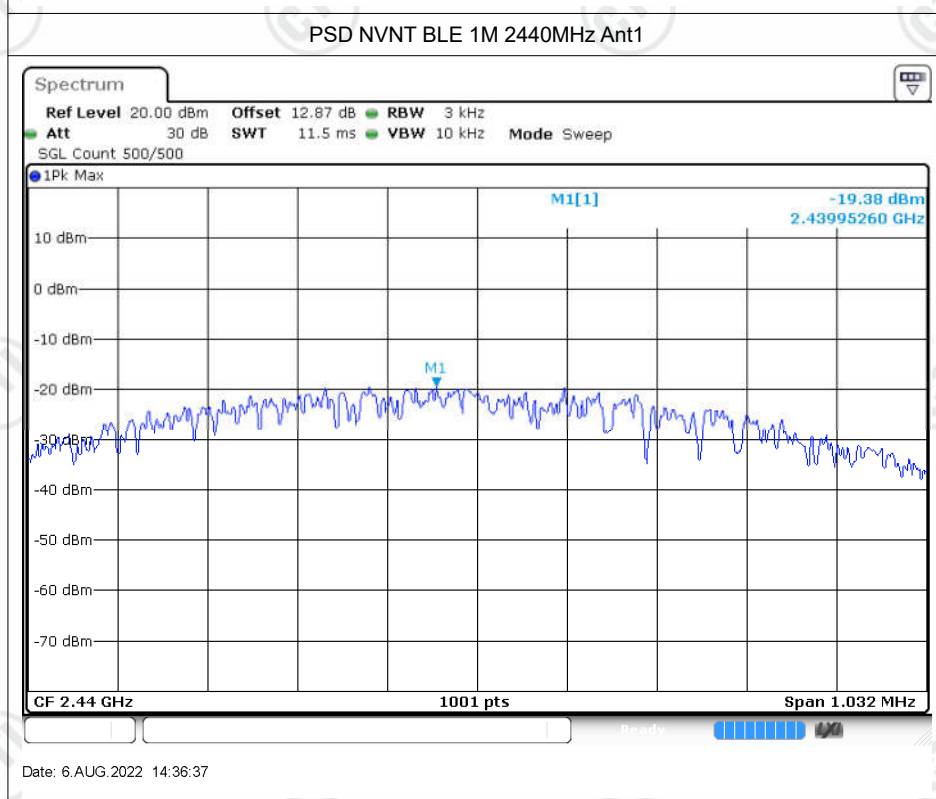
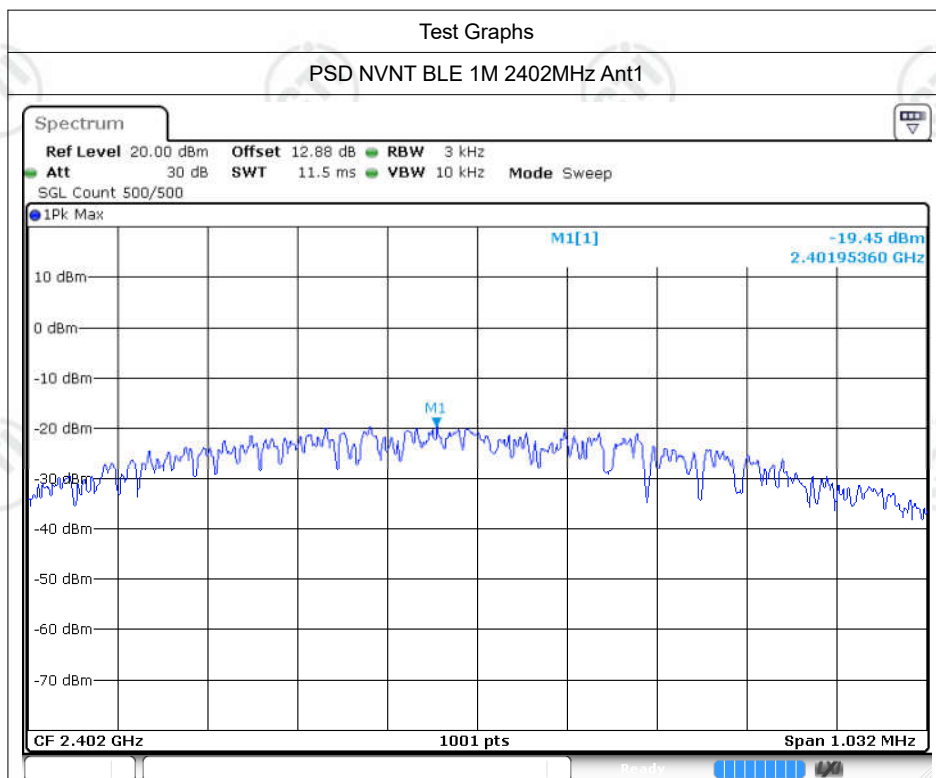
Date: 6.AUG.2022 14:36:09

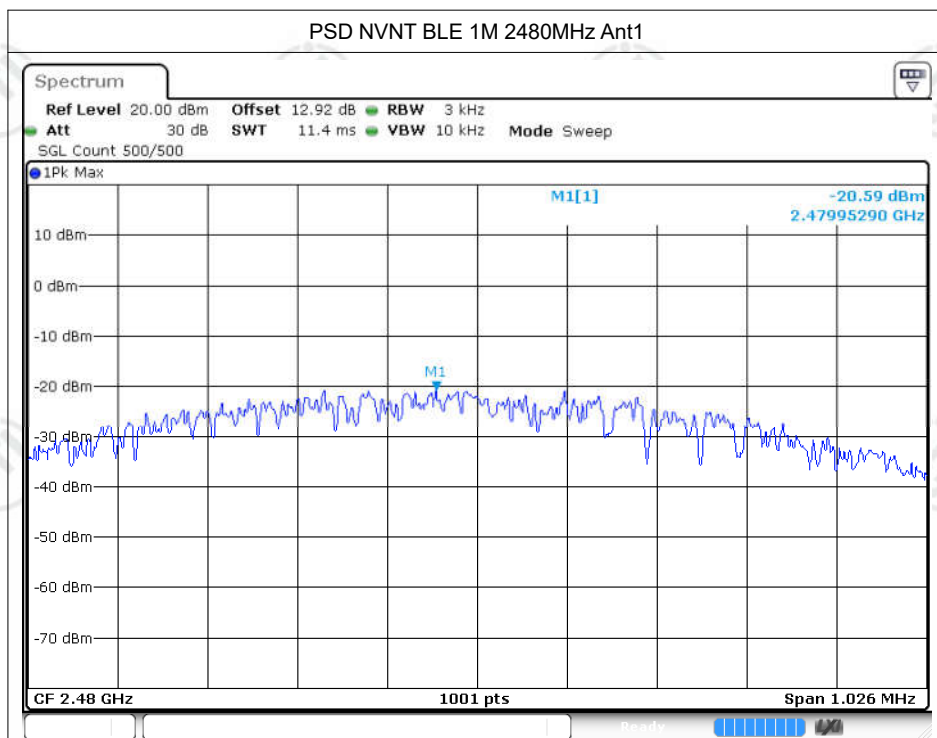




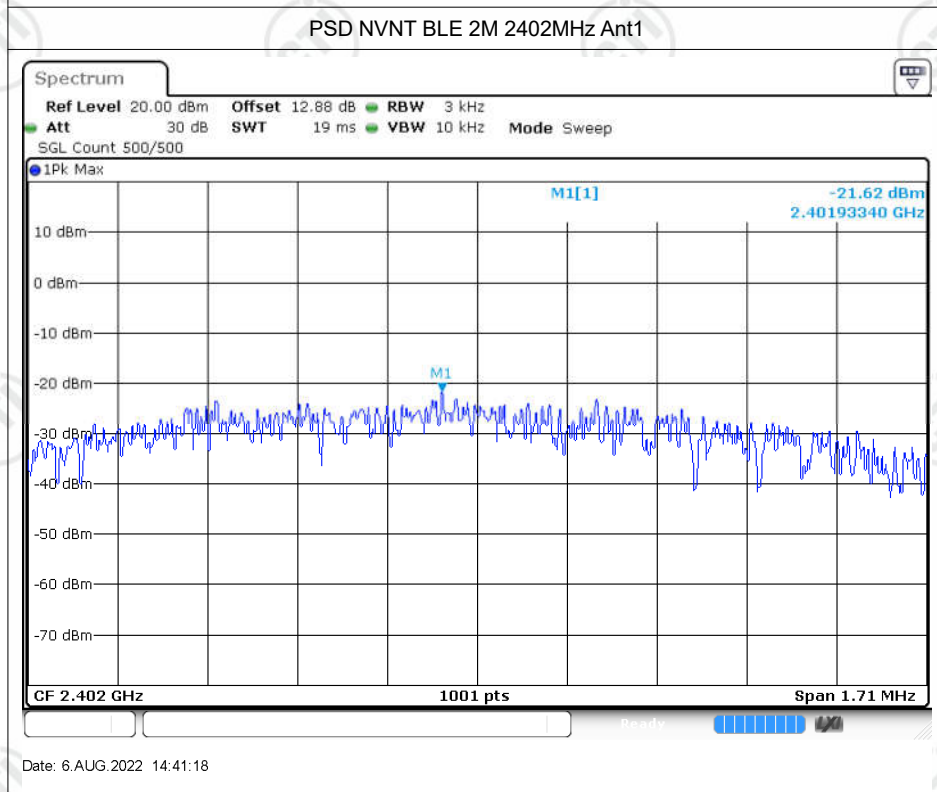
Maximum Power Spectral Density Level

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	-19.45	0	-19.45	8	Pass
NVNT	BLE 1M	2440	Ant1	-19.38	0	-19.38	8	Pass
NVNT	BLE 1M	2480	Ant1	-20.59	0	-20.59	8	Pass
NVNT	BLE 2M	2402	Ant1	-21.62	0	-21.62	8	Pass
NVNT	BLE 2M	2440	Ant1	-21.41	0	-21.41	8	Pass
NVNT	BLE 2M	2480	Ant1	-22.58	0	-22.58	8	Pass

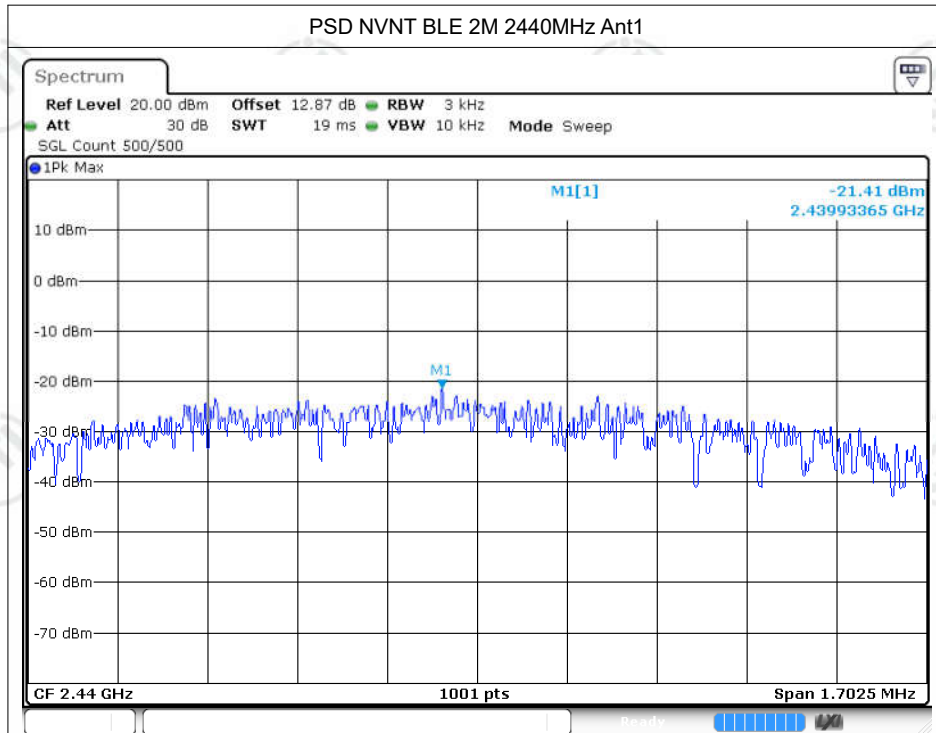




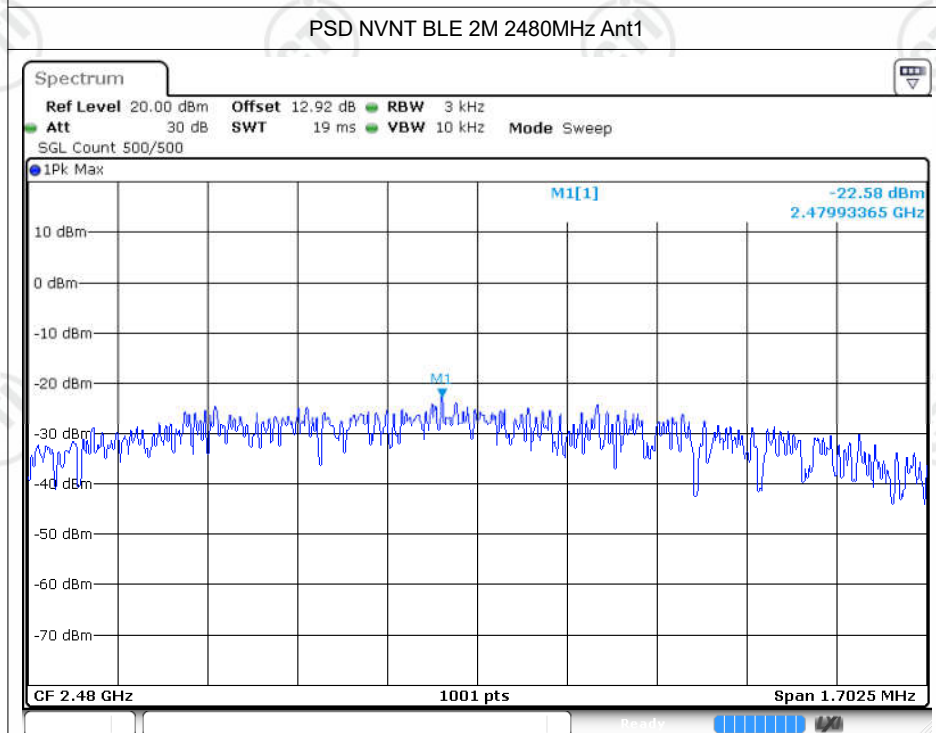
Date: 6.AUG.2022 14:38:25



Date: 6.AUG.2022 14:41:18



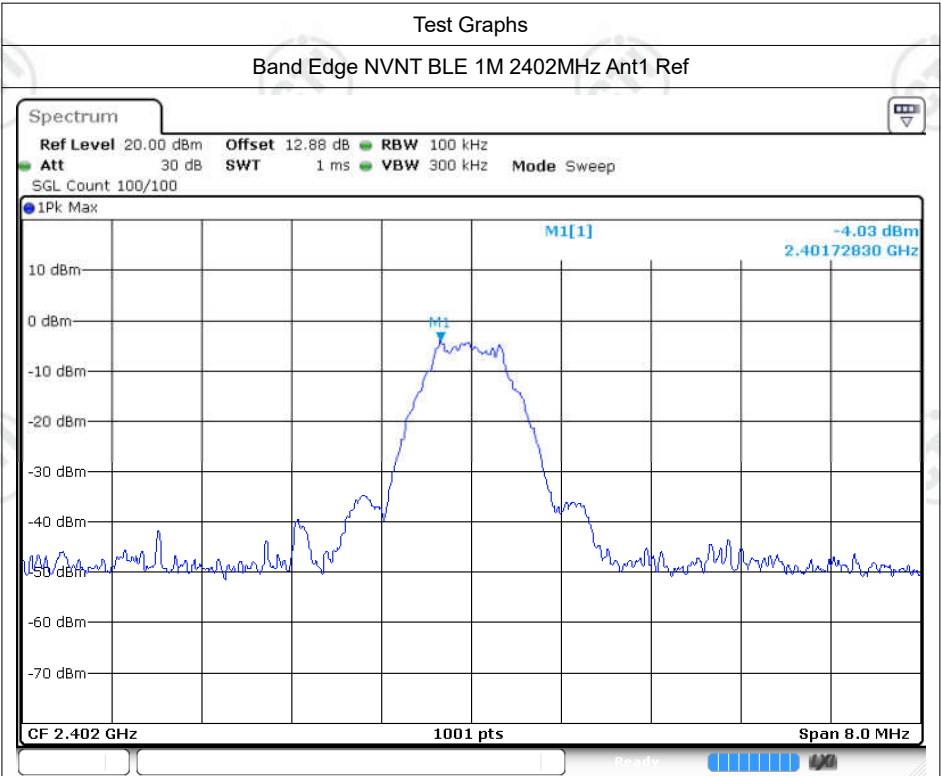
Date: 6.AUG.2022 14:43:41



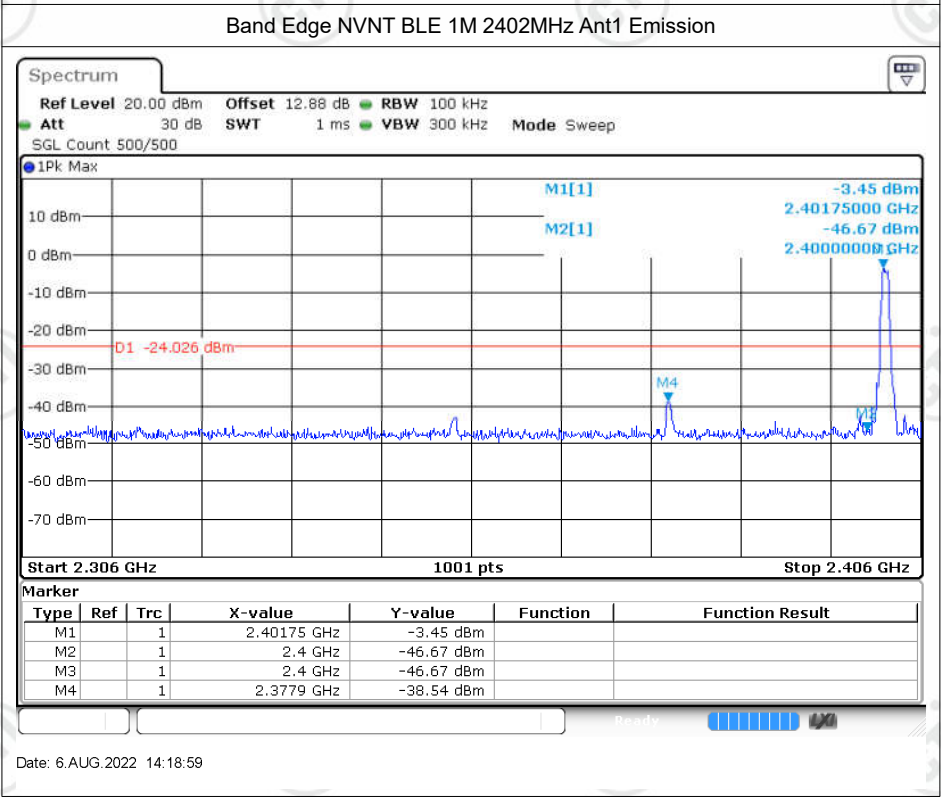
Date: 6.AUG.2022 14:45:36

Band Edge

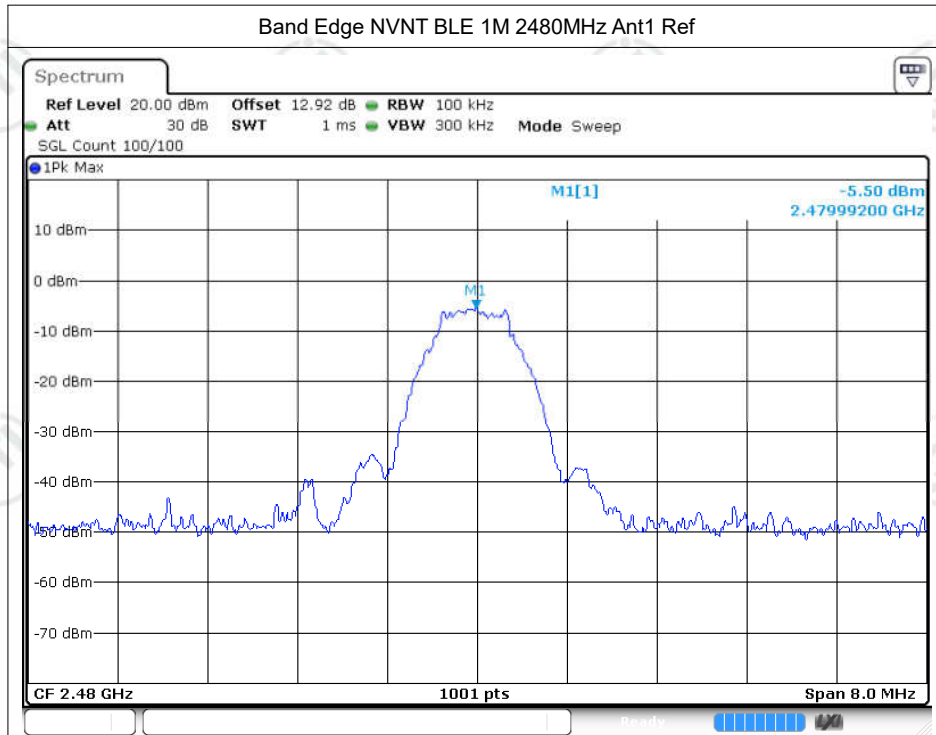
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-34.5	-20	Pass
NVNT	BLE 1M	2480	Ant1	-39.97	-20	Pass
NVNT	BLE 2M	2402	Ant1	-32.64	-20	Pass
NVNT	BLE 2M	2480	Ant1	-40.14	-20	Pass



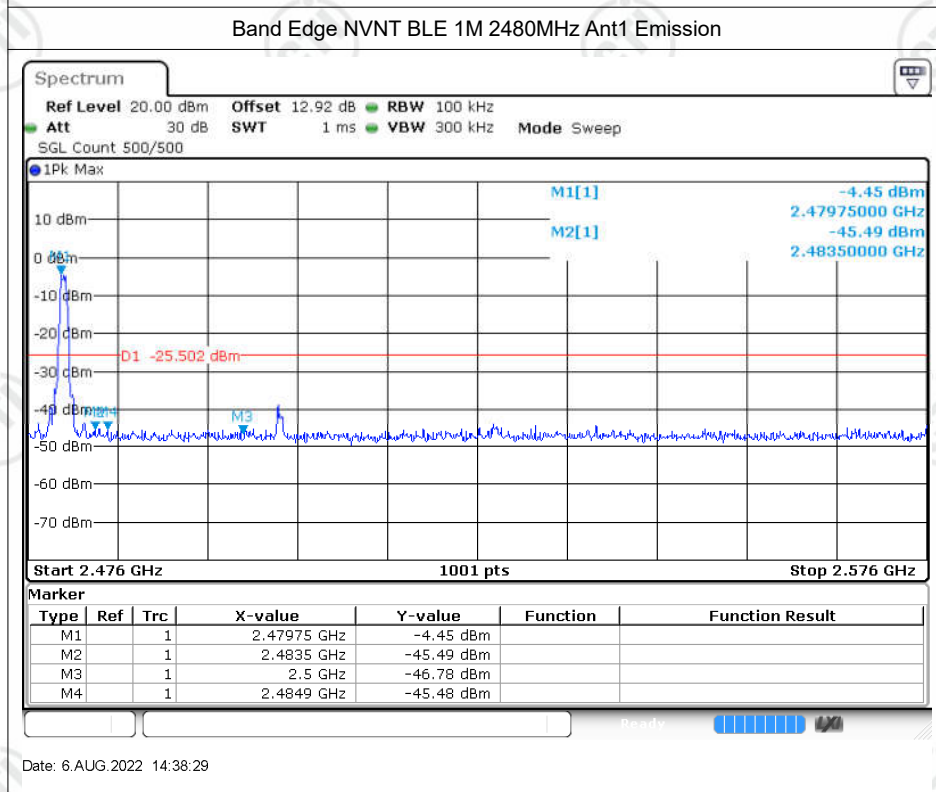
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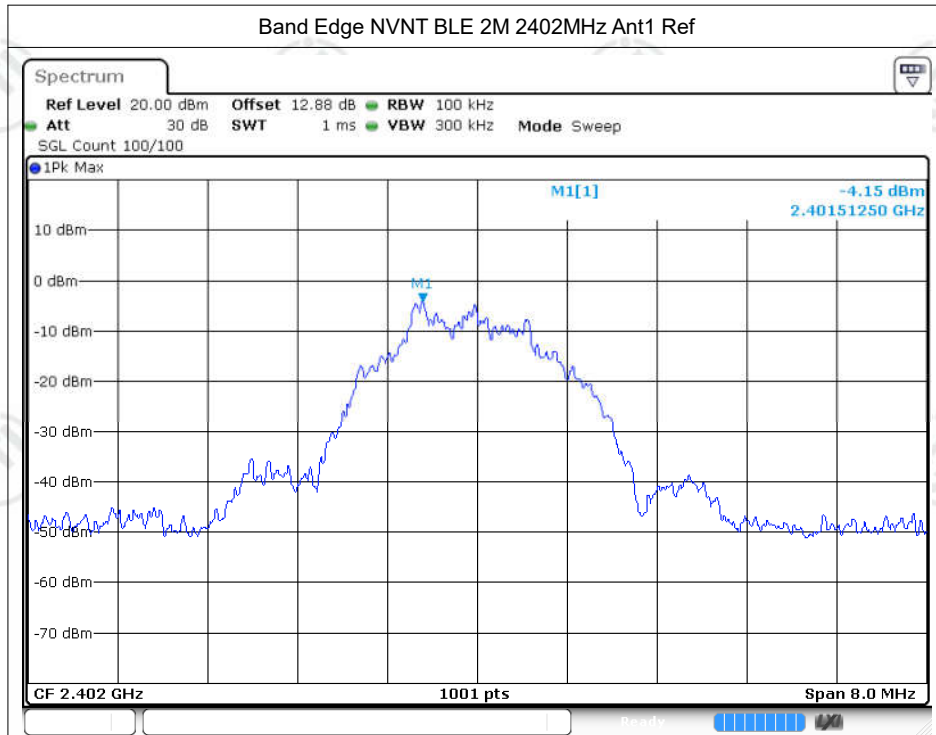
Date: 6.AUG.2022 14:18:59



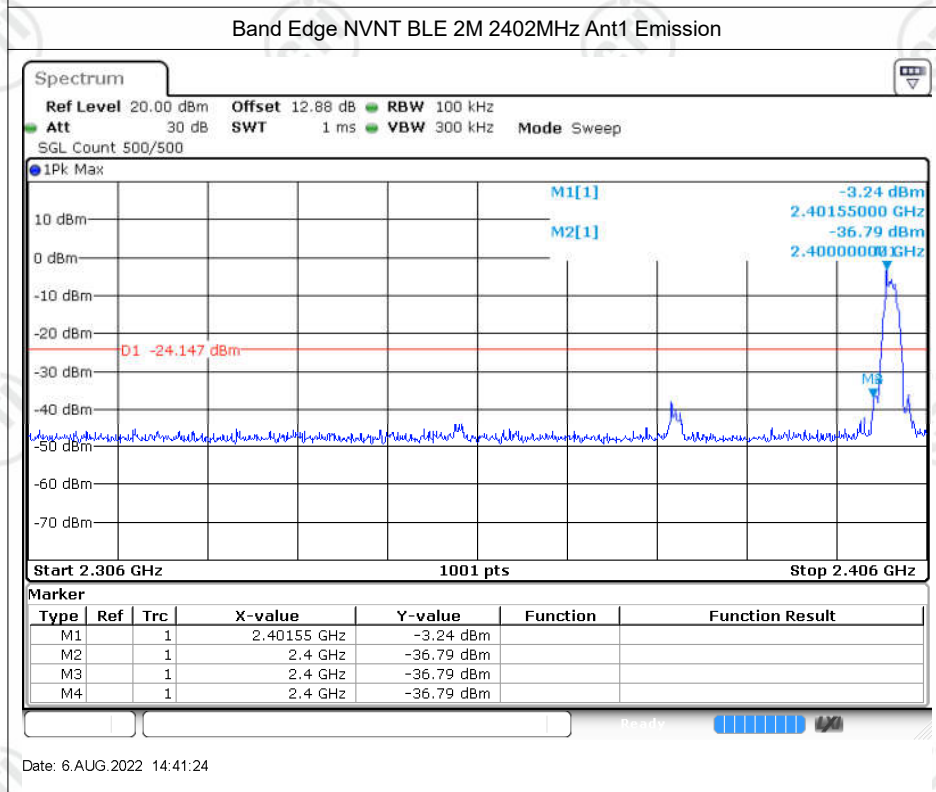
Date: 6.AUG.2022 14:38:27



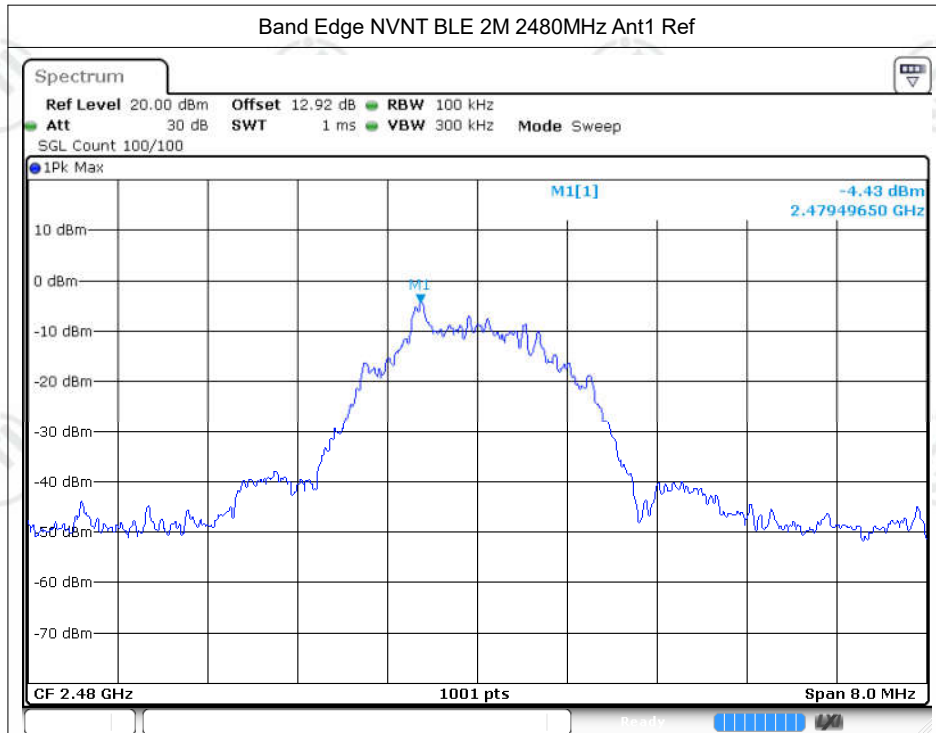
Date: 6.AUG.2022 14:38:29



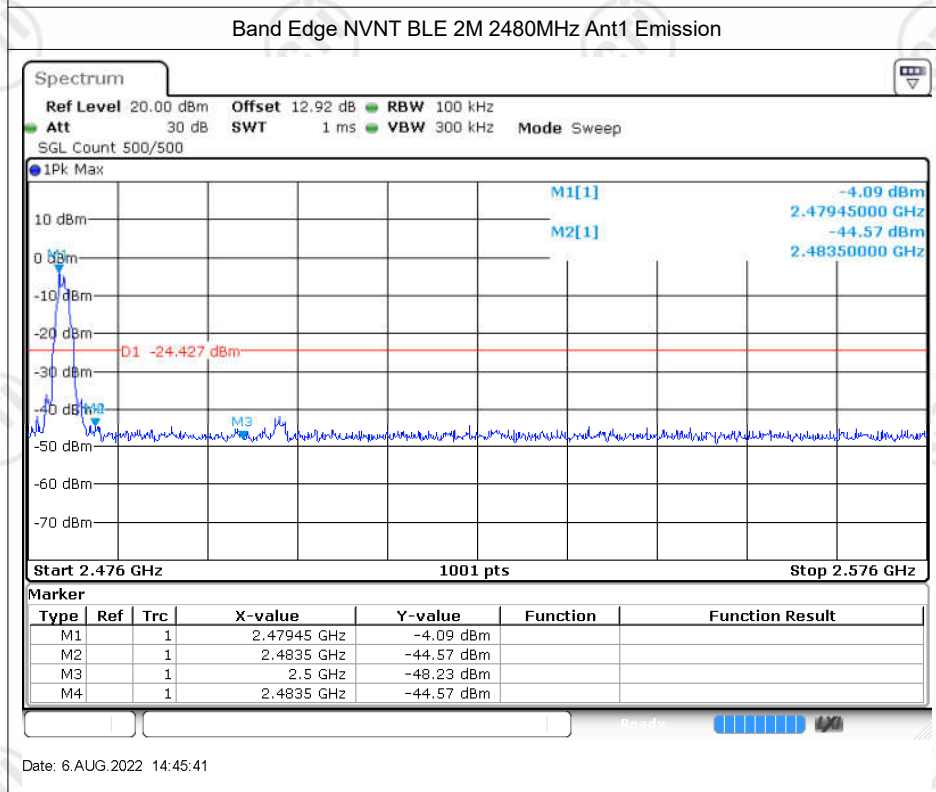
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Date: 6.AUG.2022 14:41:24



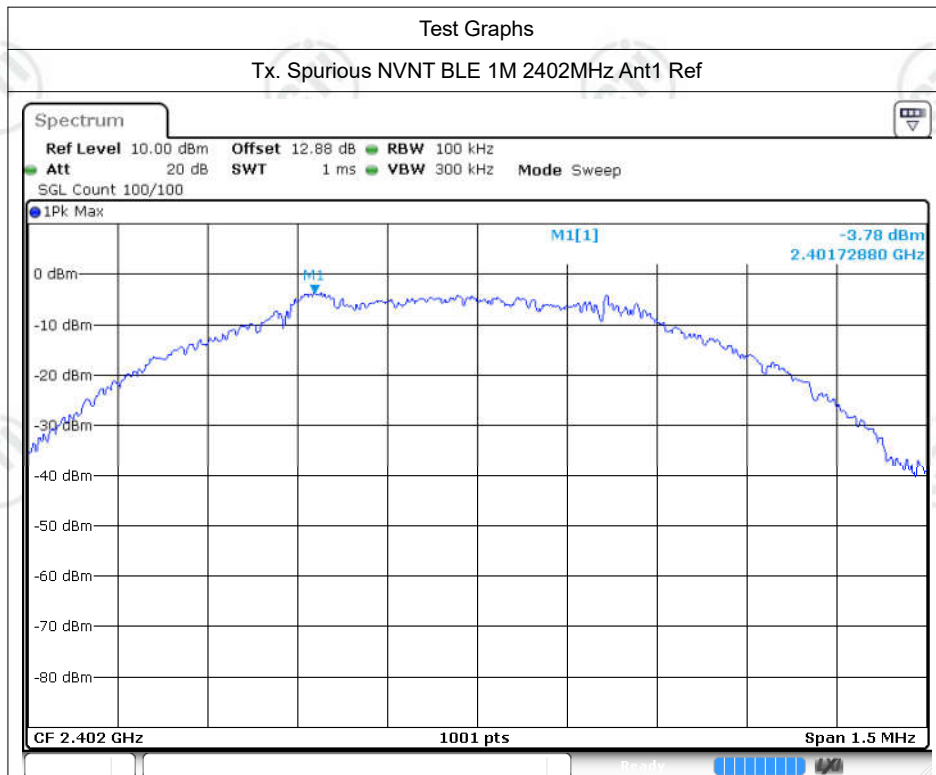
Date: 6.AUG.2022 14:45:38



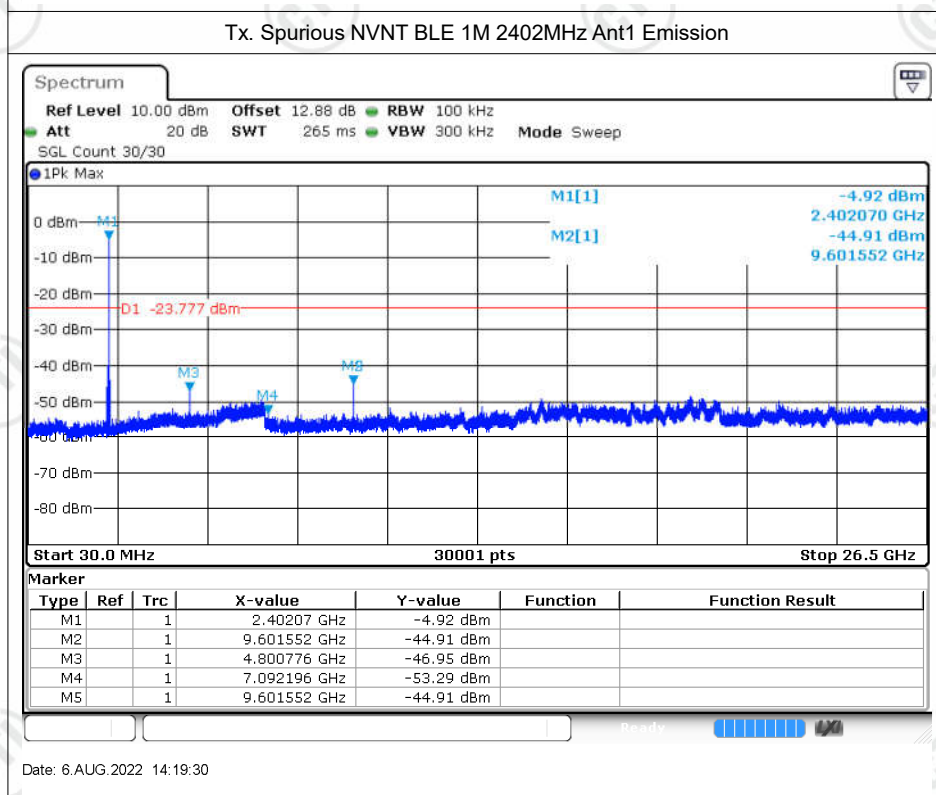
Date: 6.AUG.2022 14:45:41

Conducted RF Spurious Emission

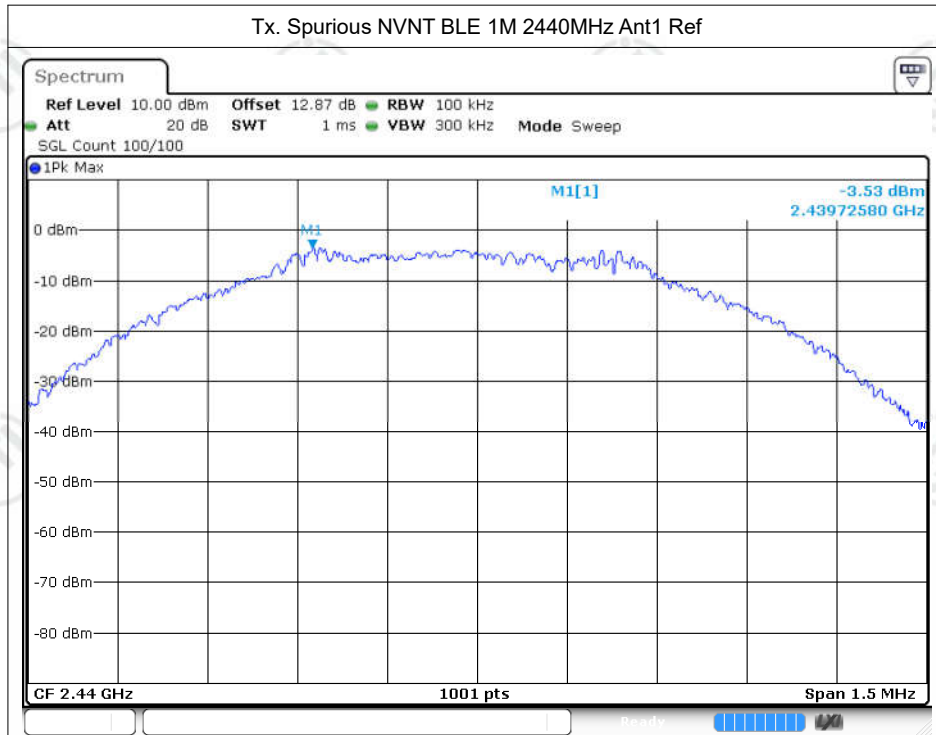
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.13	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.21	-20	Pass
NVNT	BLE 1M	2480	Ant1	-37.1	-20	Pass
NVNT	BLE 2M	2402	Ant1	-42.31	-20	Pass
NVNT	BLE 2M	2440	Ant1	-42.85	-20	Pass
NVNT	BLE 2M	2480	Ant1	-39.99	-20	Pass



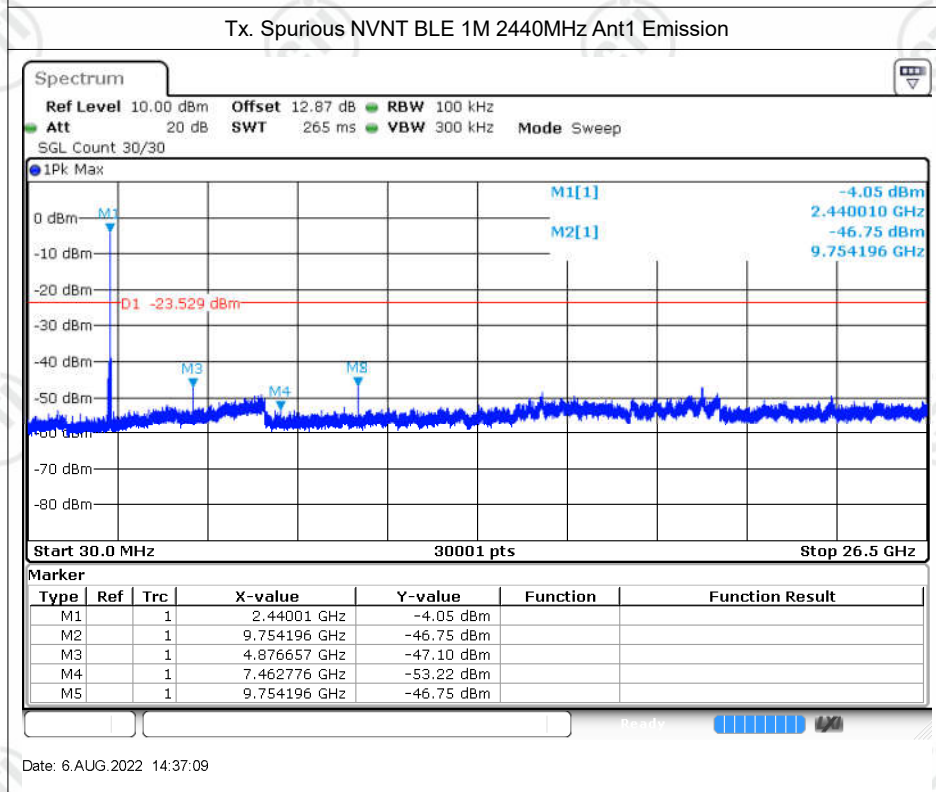
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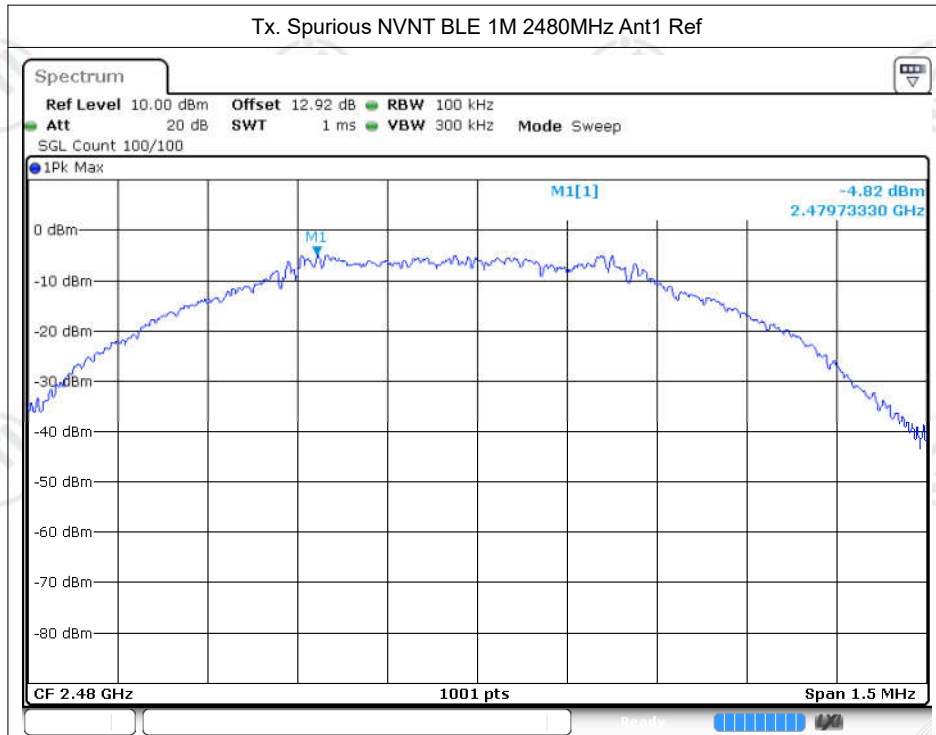
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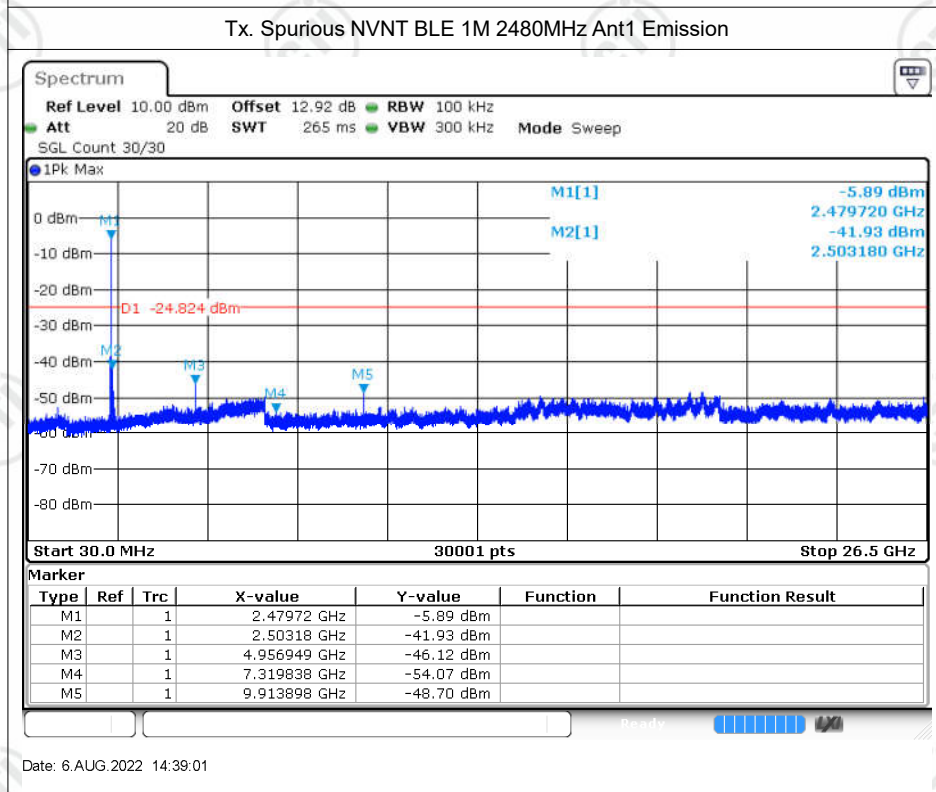
Date: 6.AUG.2022 14:36:41



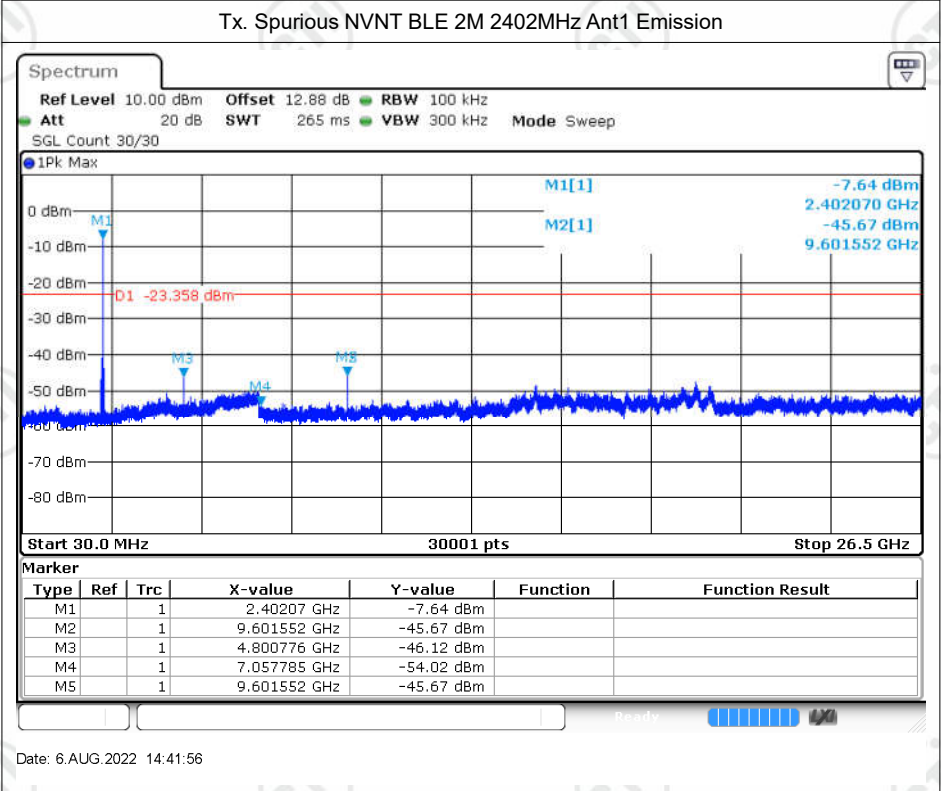
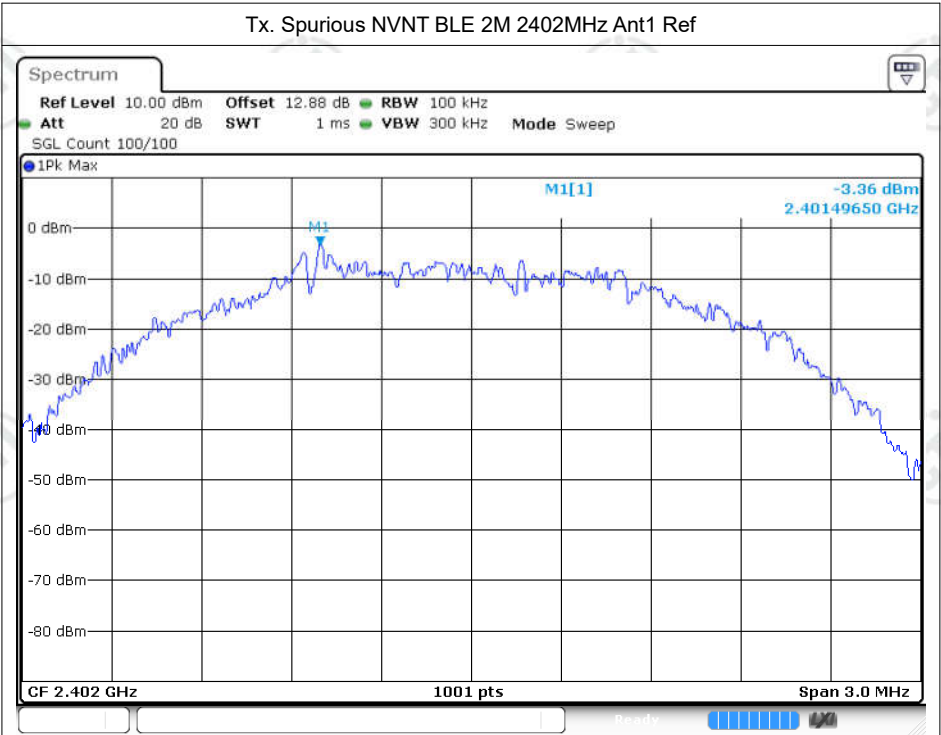
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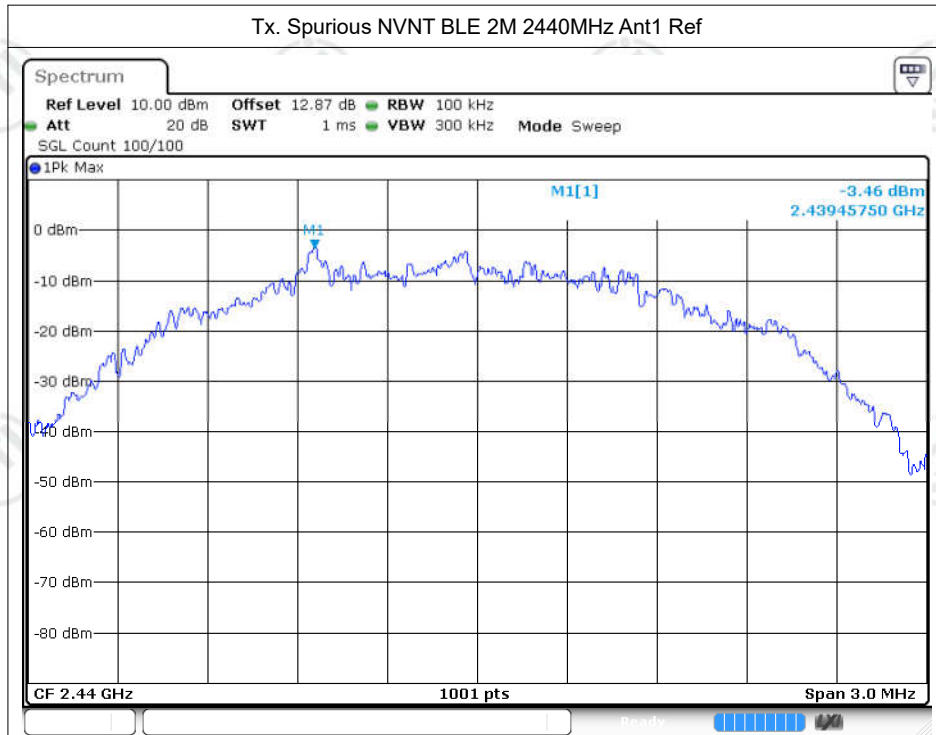


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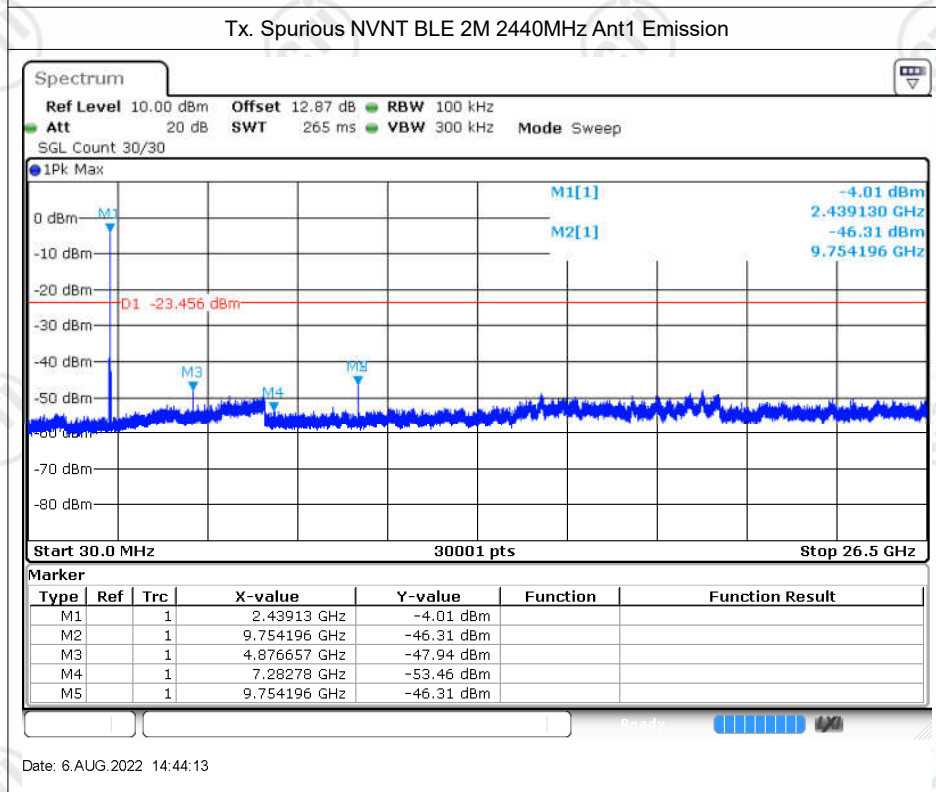


Date: 6.AUG.2022 14:39:01

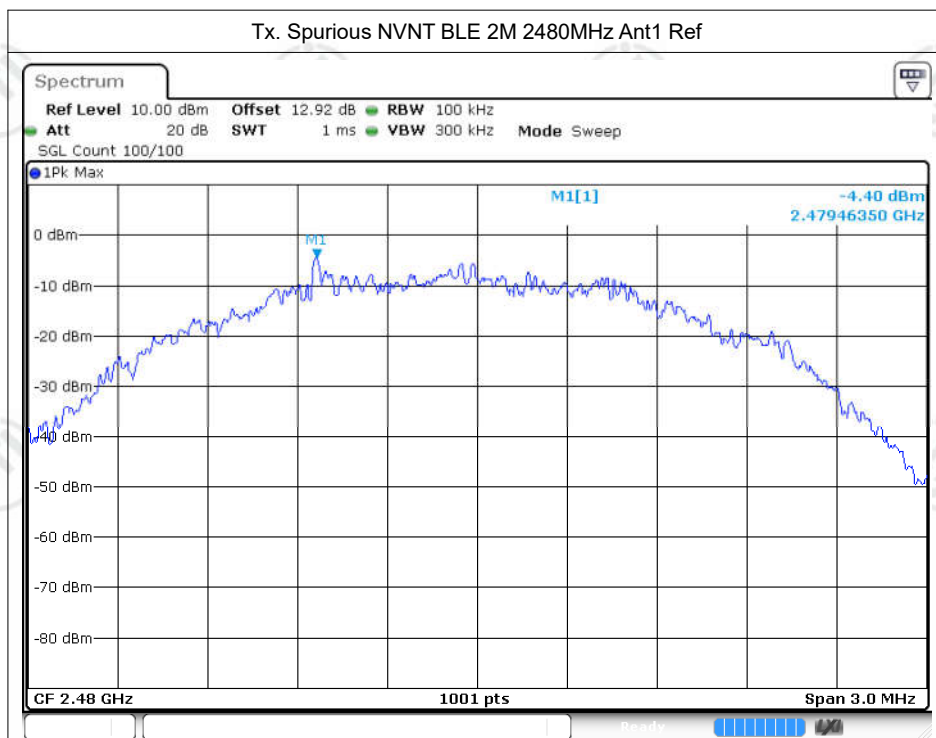




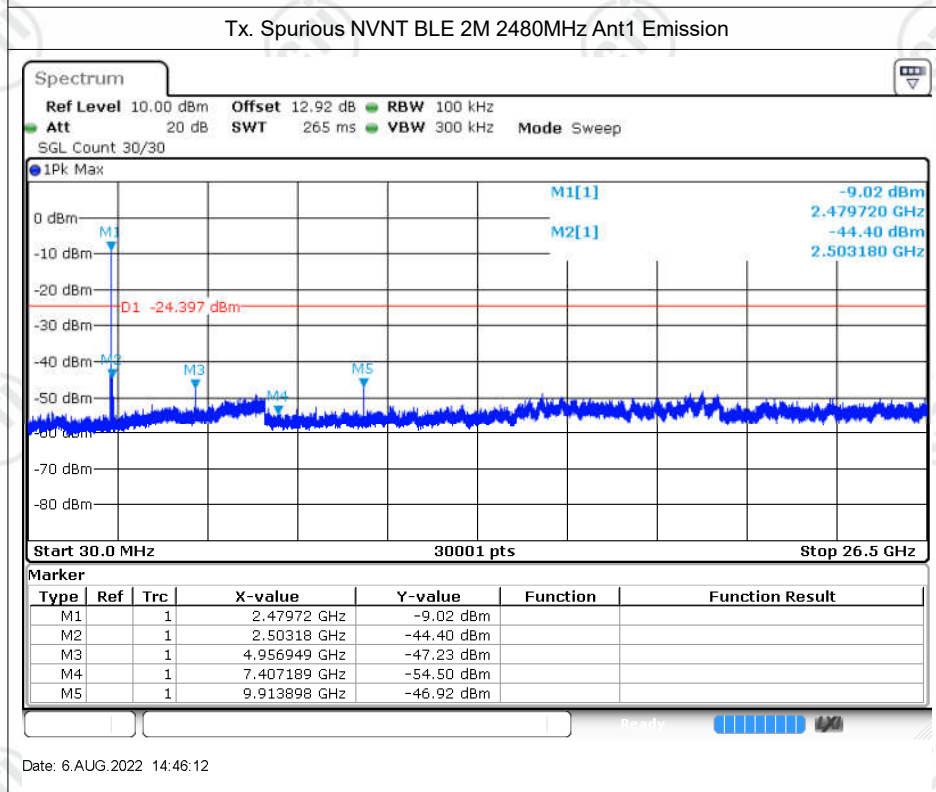
Date: 6.AUG.2022 14:43:44



Date: 6.AUG.2022 14:44:13



Date: 6.AUG.2022 14:45:44



Date: 6.AUG.2022 14:46:12

*** End of Report ***