

Appendix: Bluetooth LE

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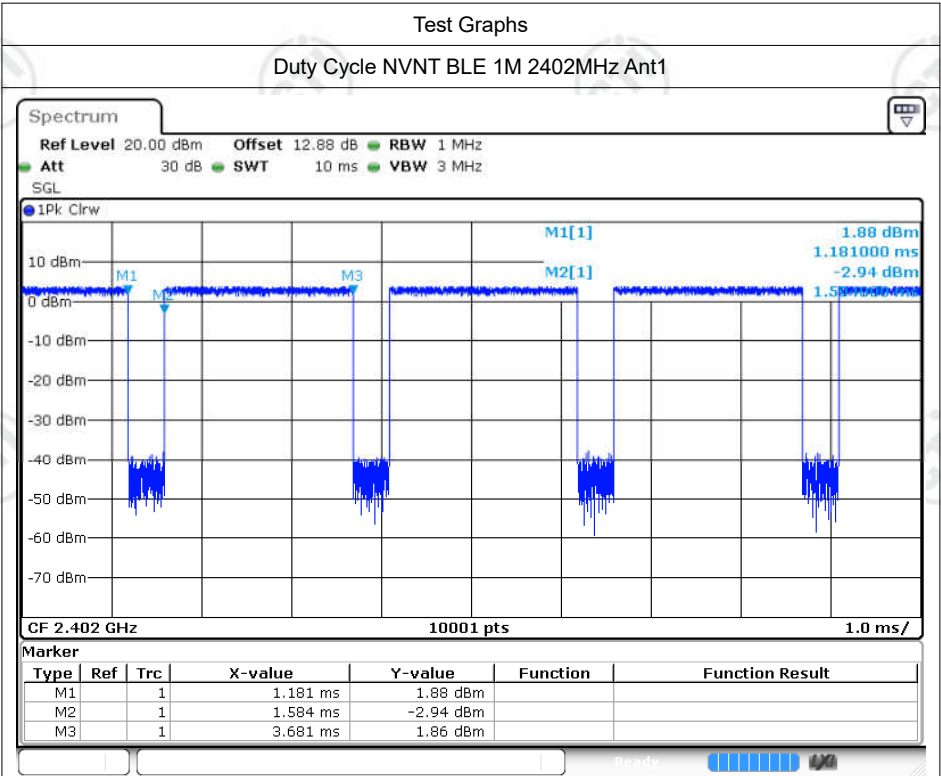
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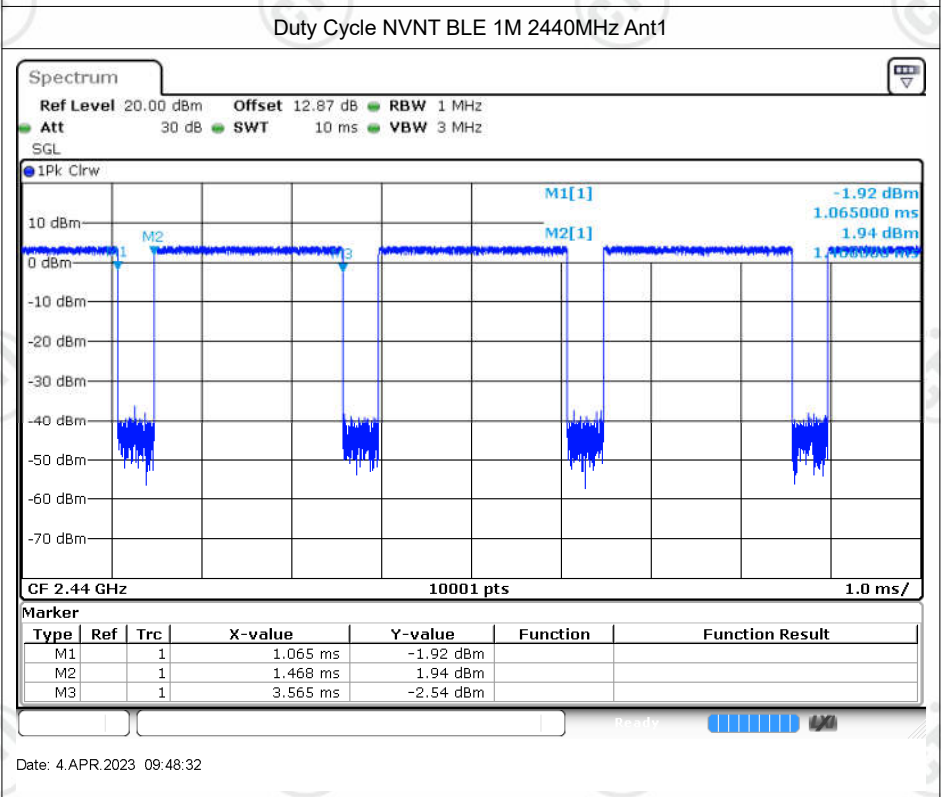
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Duty Cycle

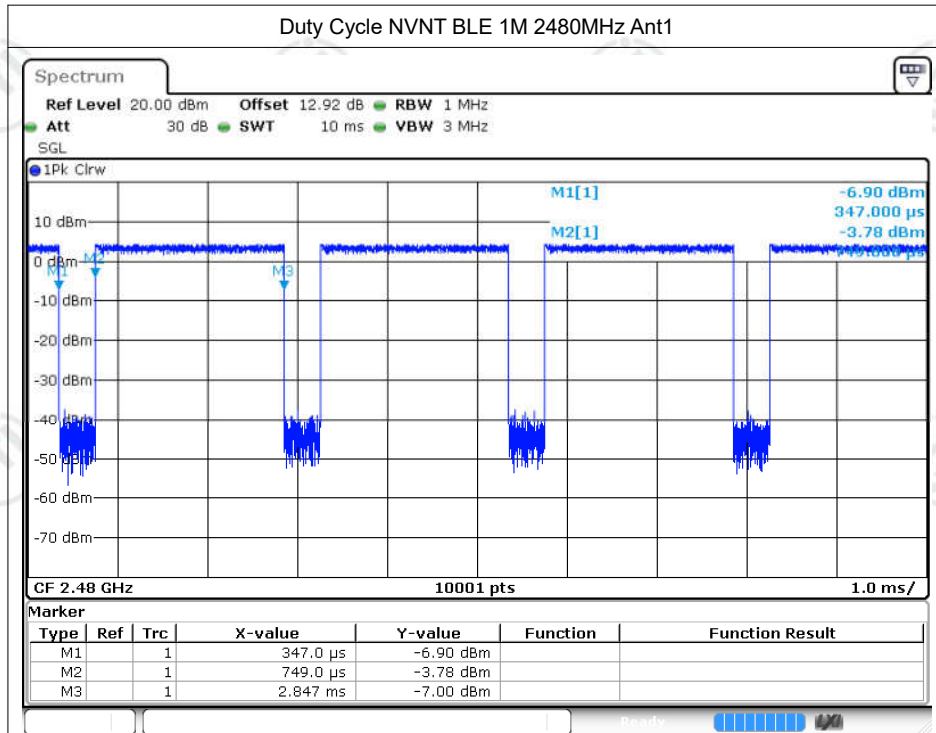
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	83.88	0.76	0.48
NVNT	BLE 1M	2440	Ant1	83.88	0.76	0.48
NVNT	BLE 1M	2480	Ant1	83.92	0.76	0.48
NVNT	BLE 2M	2402	Ant1	56.69	2.46	0.94
NVNT	BLE 2M	2440	Ant1	56.69	2.46	0.94
NVNT	BLE 2M	2480	Ant1	56.69	2.46	0.94



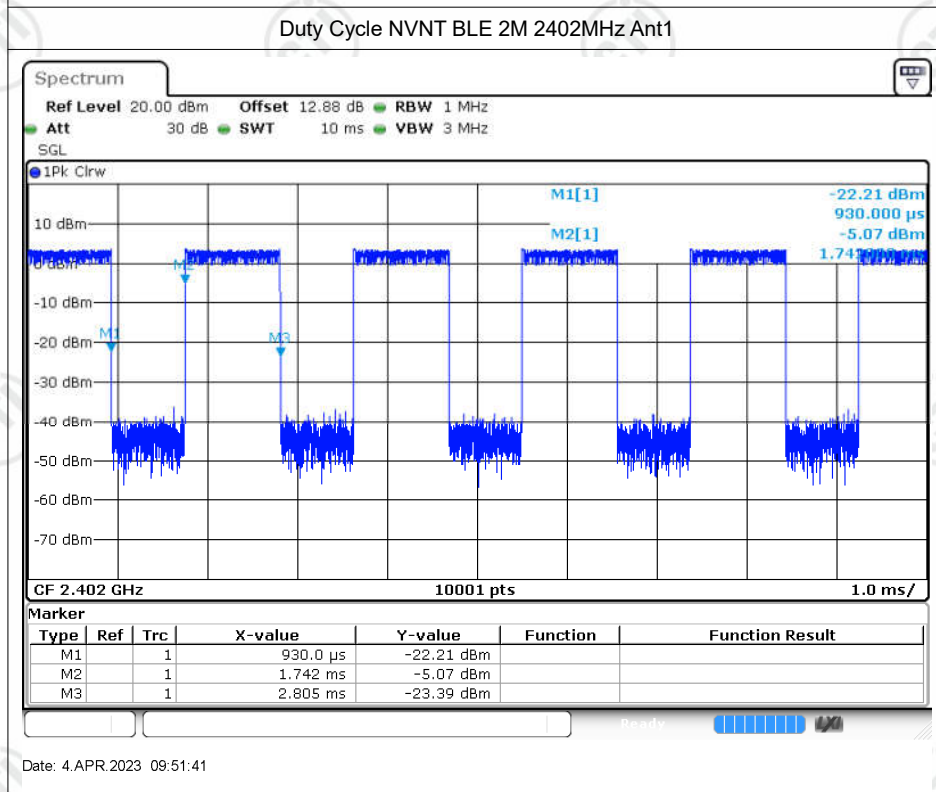
Date: 4.APR.2023 09:46:52



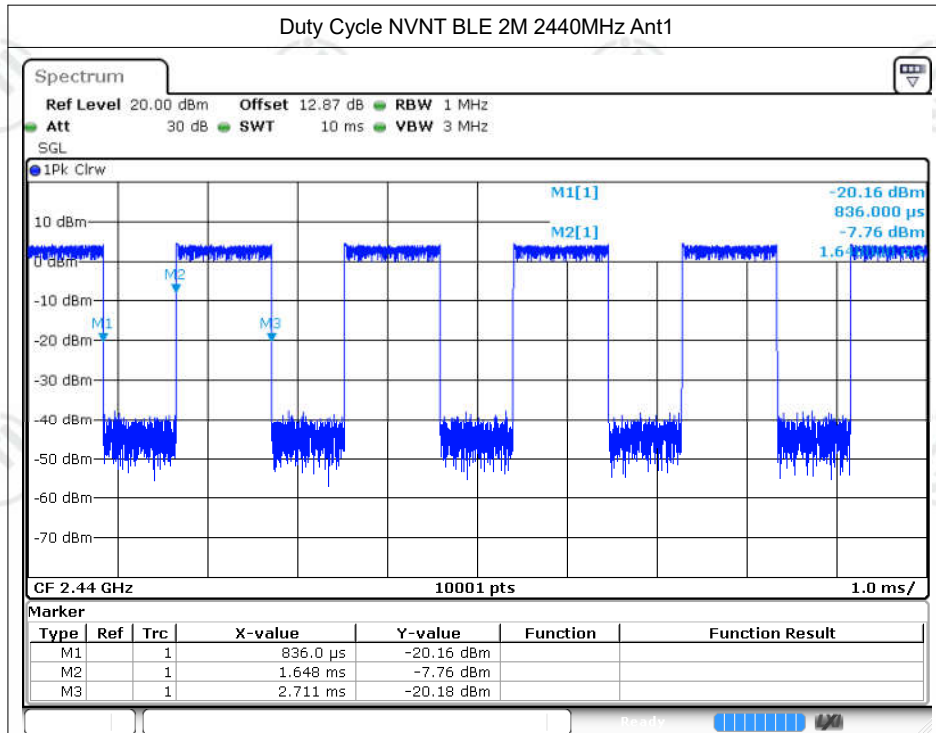
Date: 4.APR.2023 09:48:32



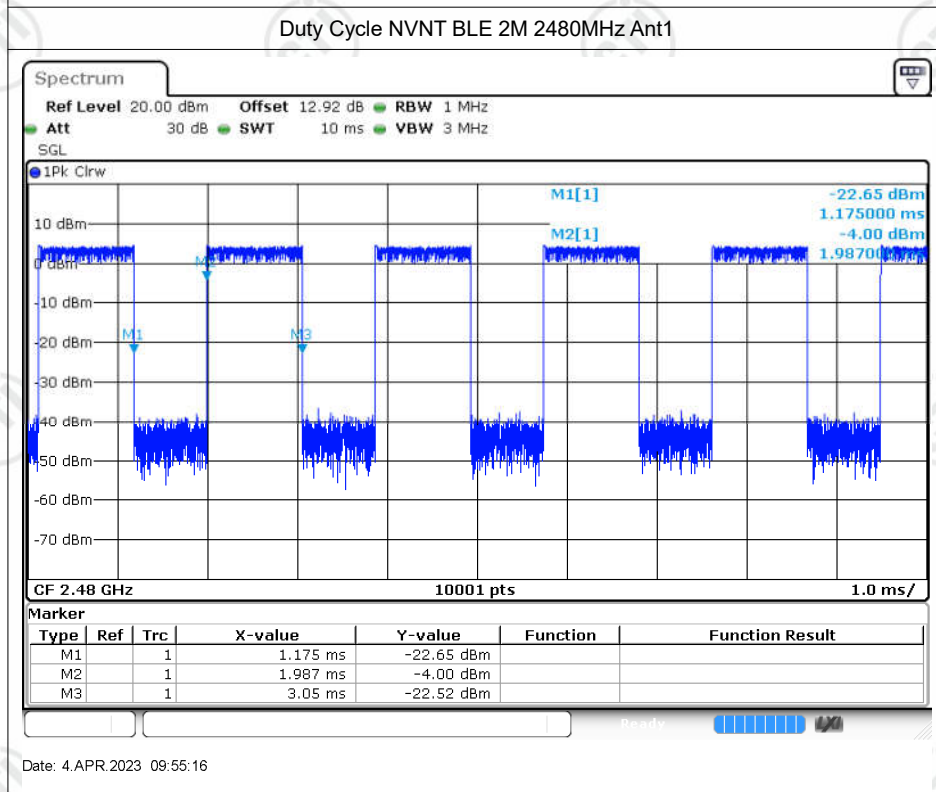
Date: 4.APR.2023 09:50:04



Date: 4.APR.2023 09:51:41



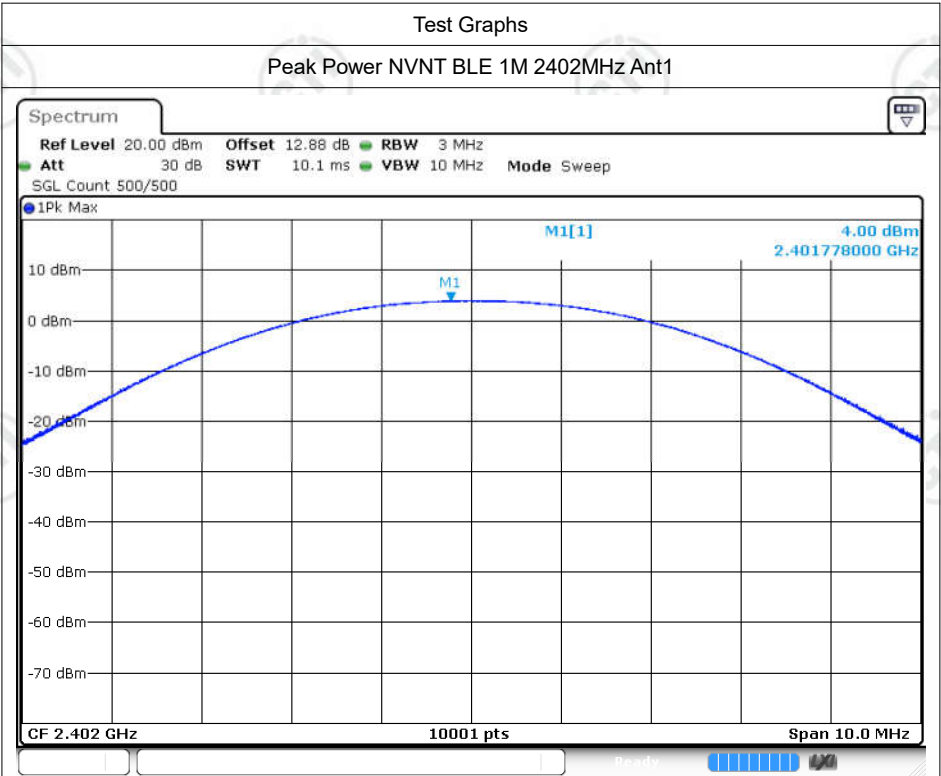
Date: 4.APR.2023 09:53:29



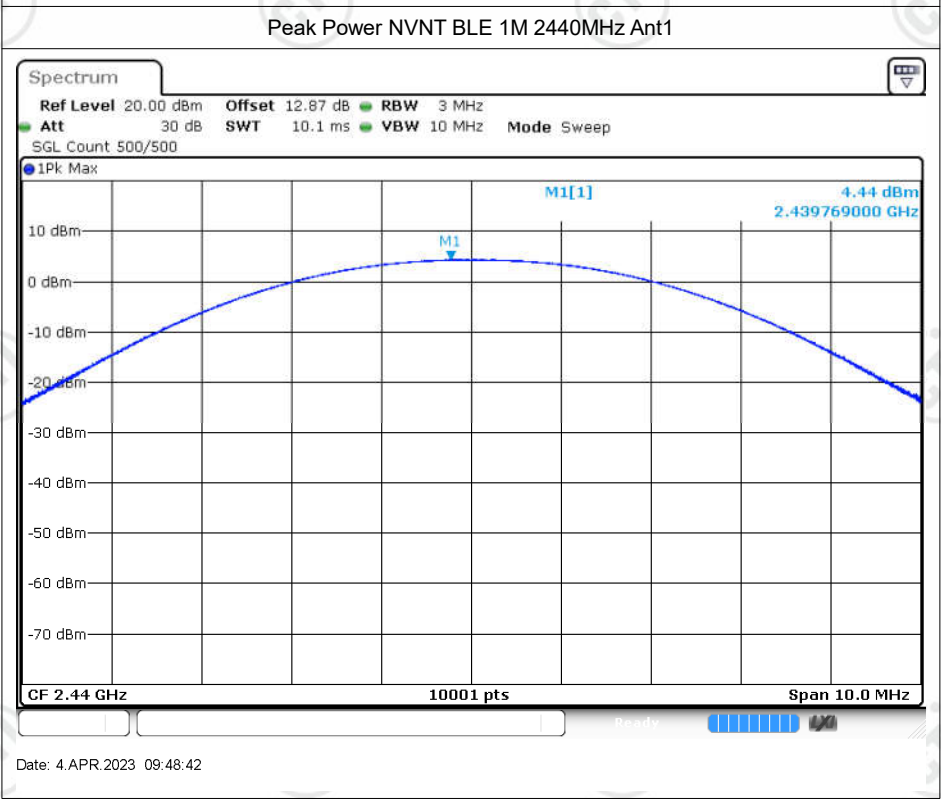
Date: 4.APR.2023 09:55:16

Maximum Peak Conducted Output Power

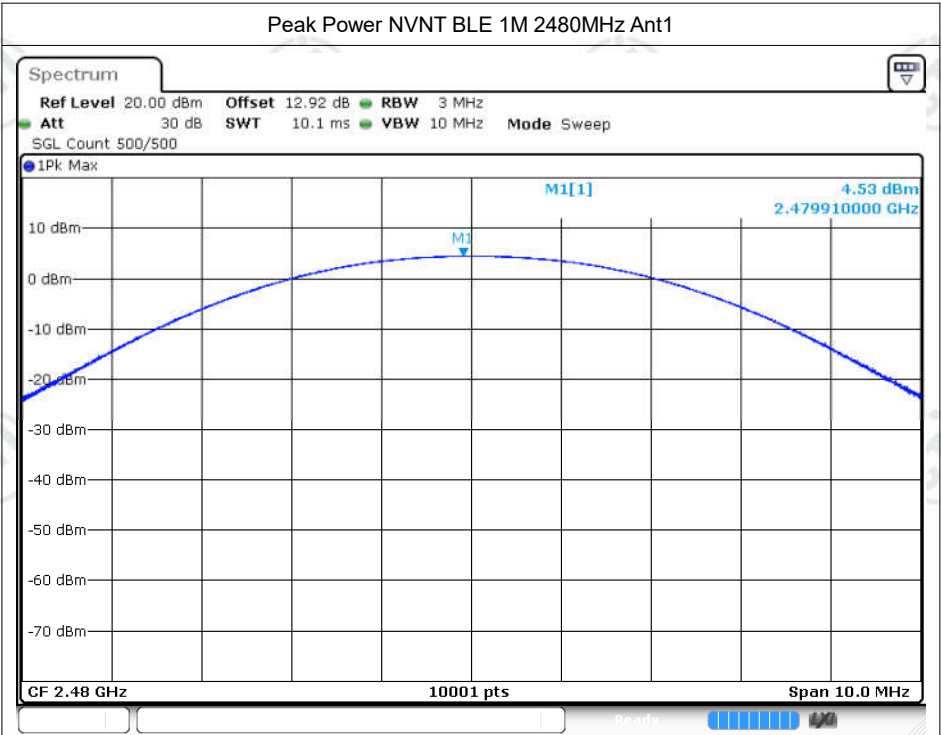
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	4	0	4.00	30	Pass
NVNT	BLE 1M	2440	Ant1	4.44	0	4.44	30	Pass
NVNT	BLE 1M	2480	Ant1	4.53	0	4.53	30	Pass
NVNT	BLE 2M	2402	Ant1	4.05	0	4.05	30	Pass
NVNT	BLE 2M	2440	Ant1	4.7	0	4.70	30	Pass
NVNT	BLE 2M	2480	Ant1	4.82	0	4.82	30	Pass



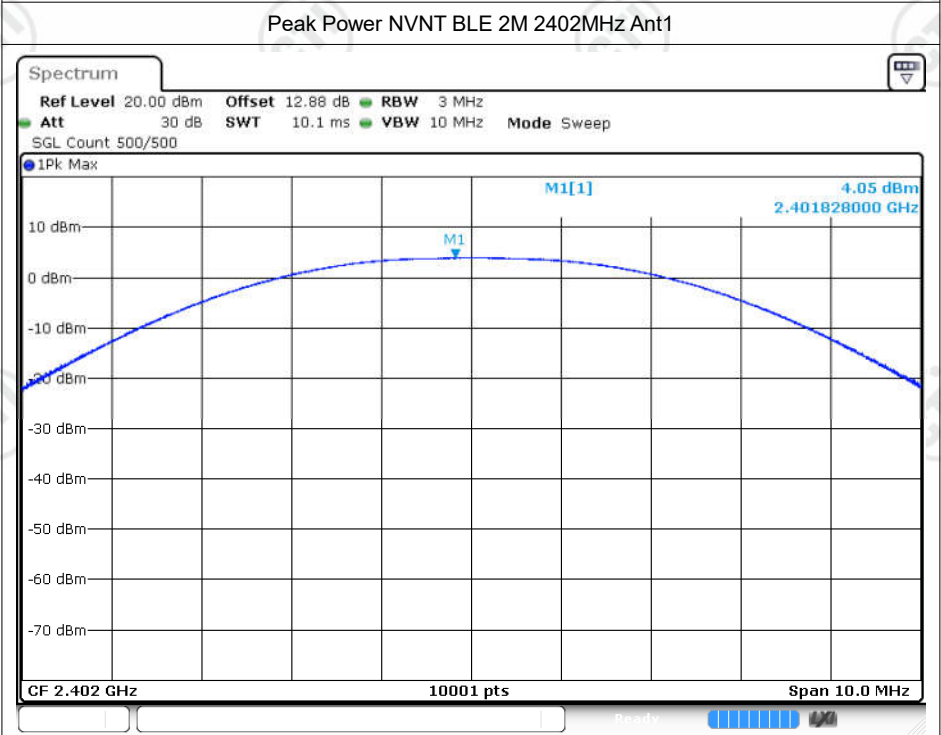
Date: 4.APR.2023 09:47:02



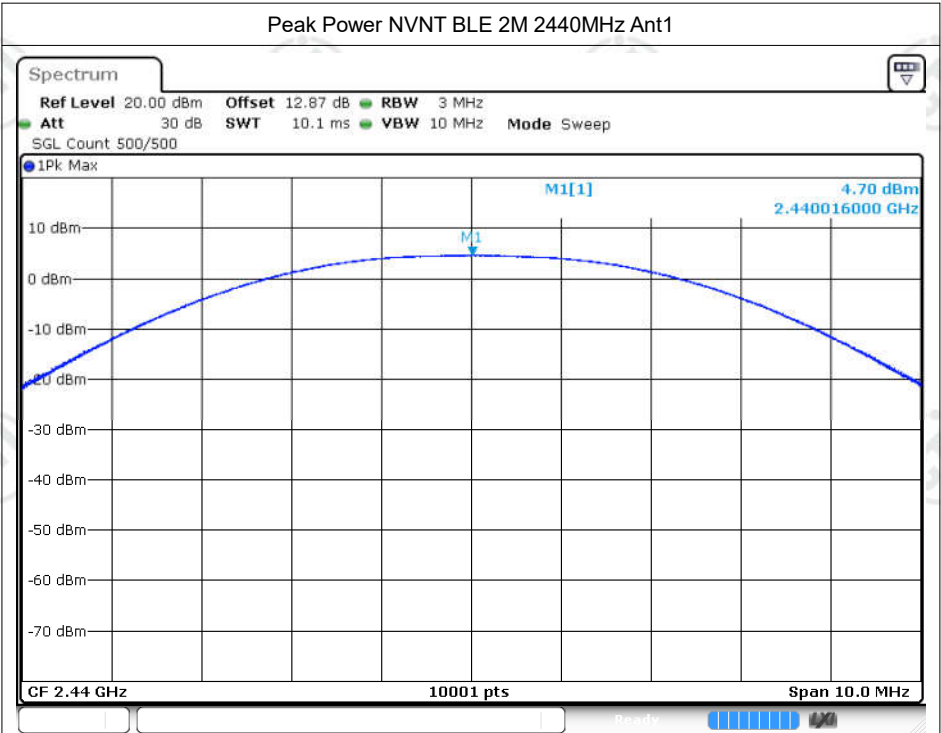
Date: 4.APR.2023 09:48:42



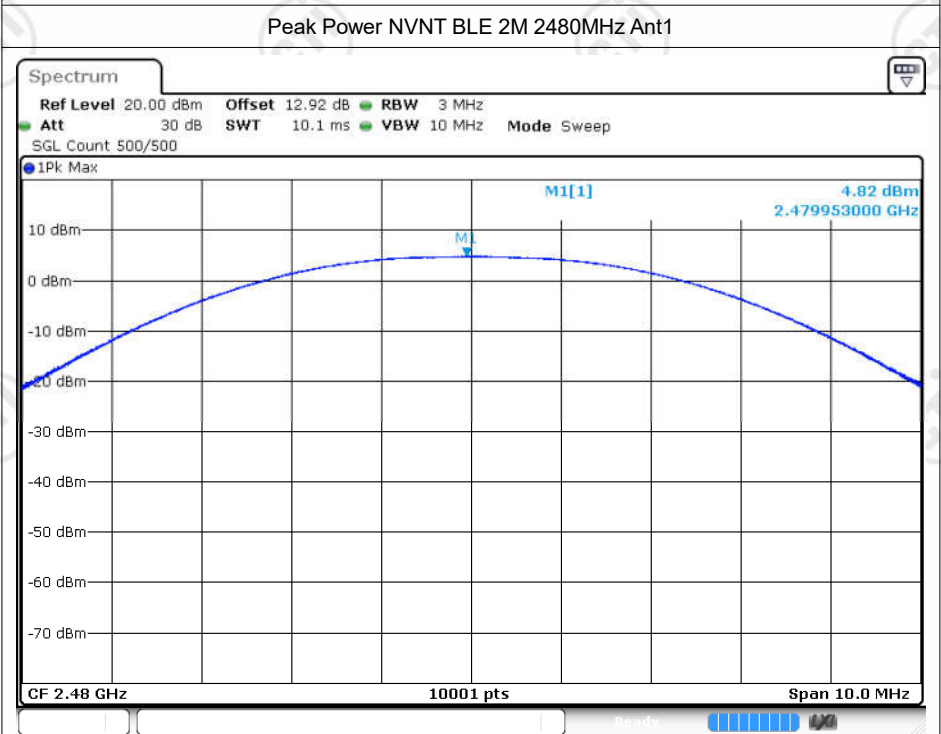
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Date: 4.APR.2023 09:51:51



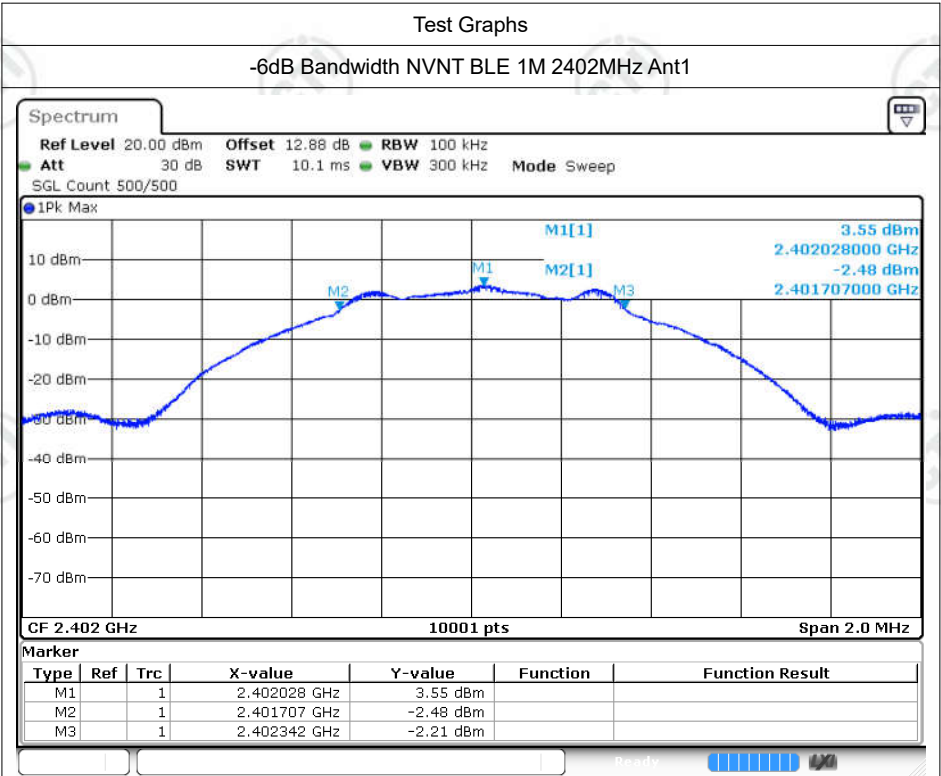
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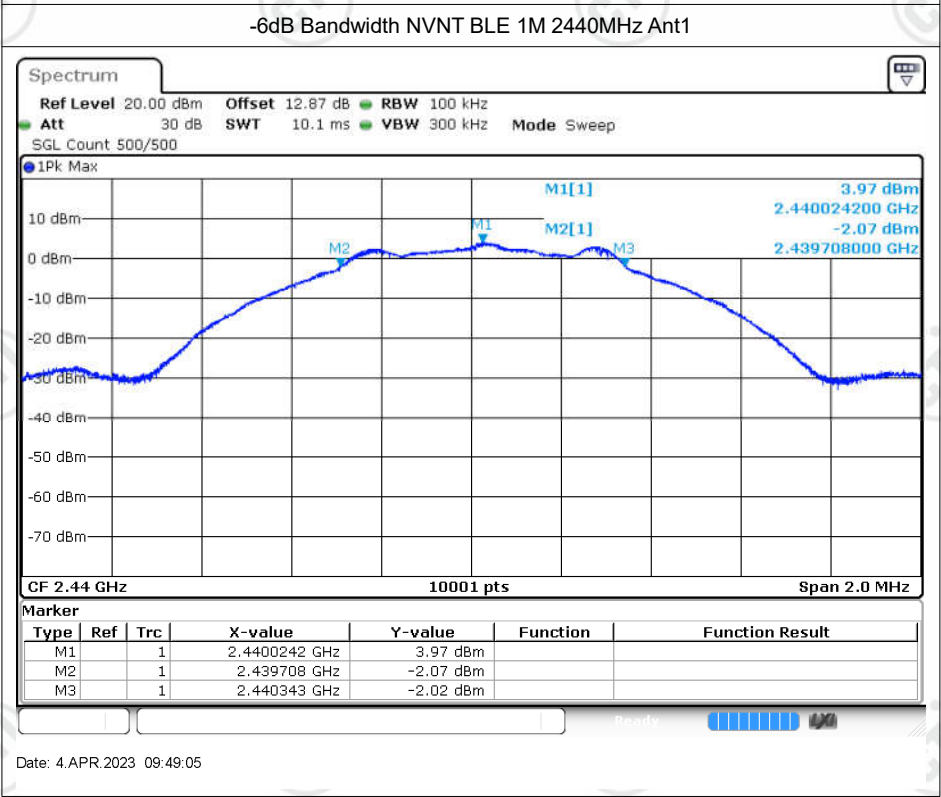
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-6dB Bandwidth

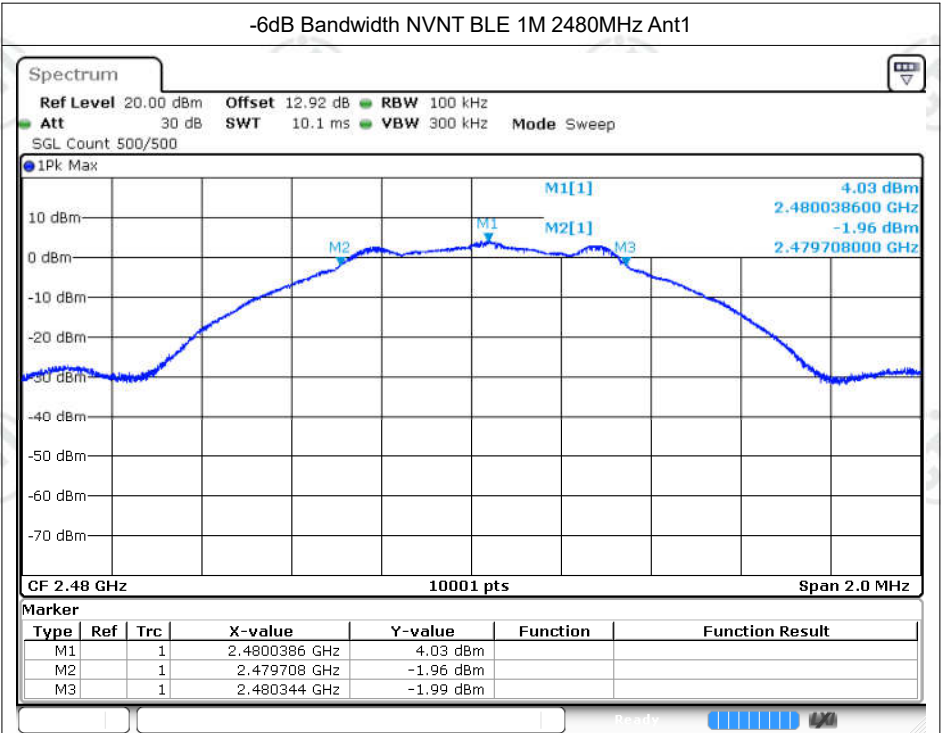
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.635	0.500	Pass
NVNT	BLE 1M	2440	Ant1	0.635	0.500	Pass
NVNT	BLE 1M	2480	Ant1	0.636	0.500	Pass
NVNT	BLE 2M	2402	Ant1	1.103	0.500	Pass
NVNT	BLE 2M	2440	Ant1	1.104	0.500	Pass
NVNT	BLE 2M	2480	Ant1	1.106	0.500	Pass



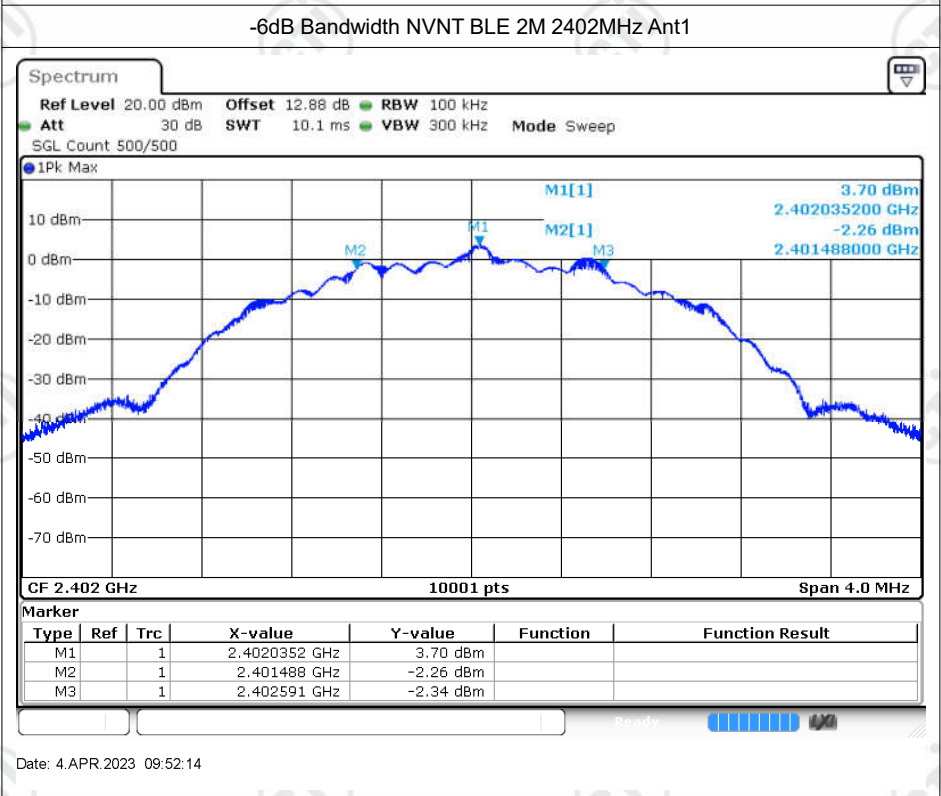
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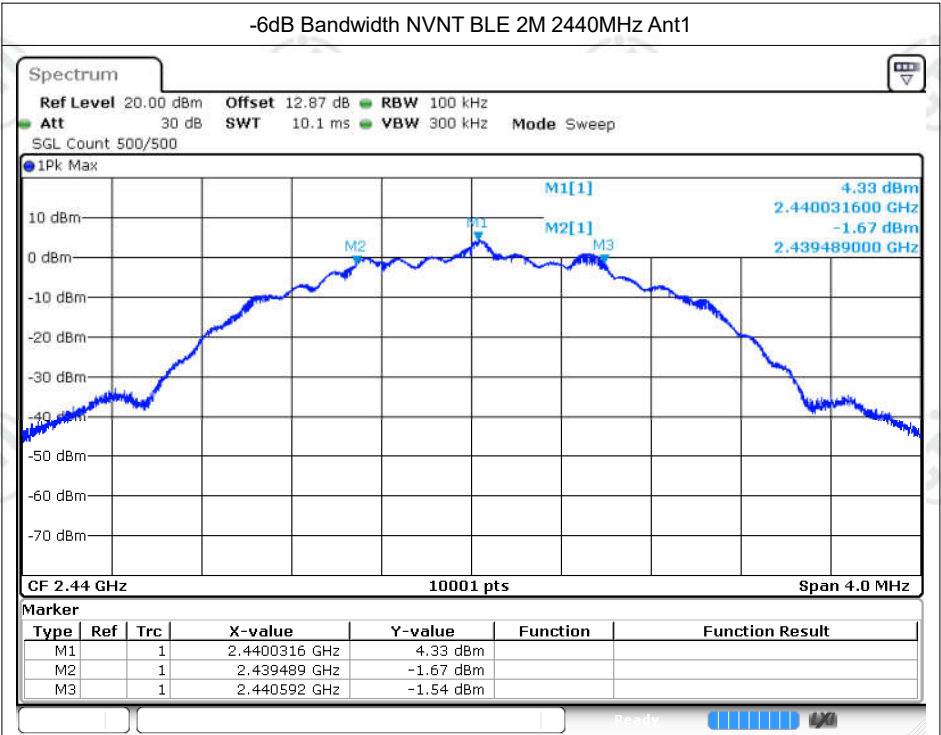
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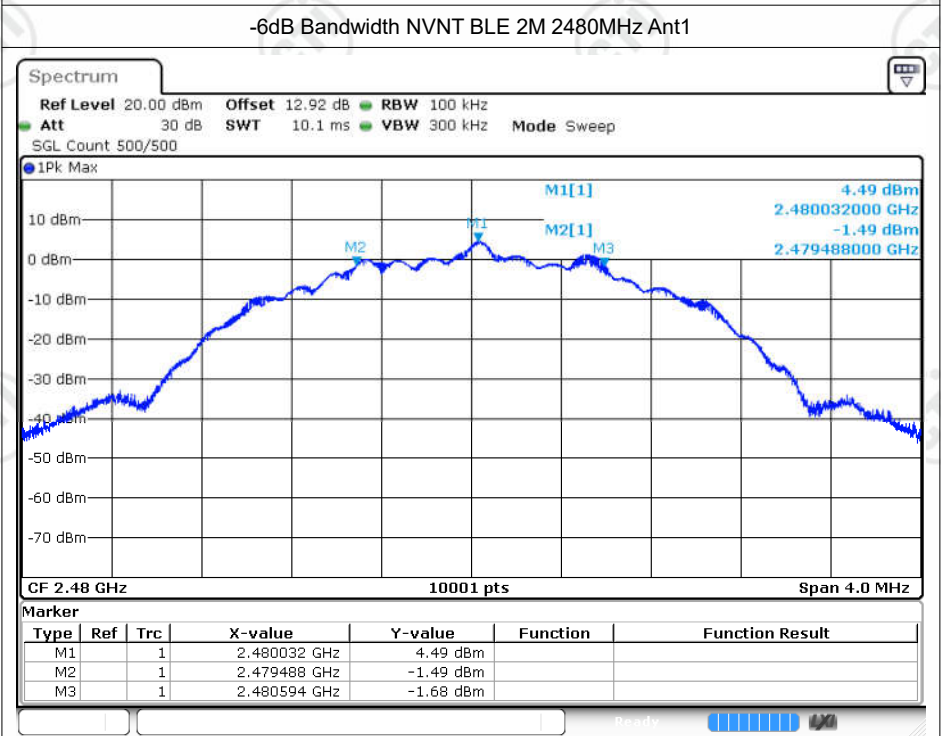
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Date: 4.APR.2023 09:52:14



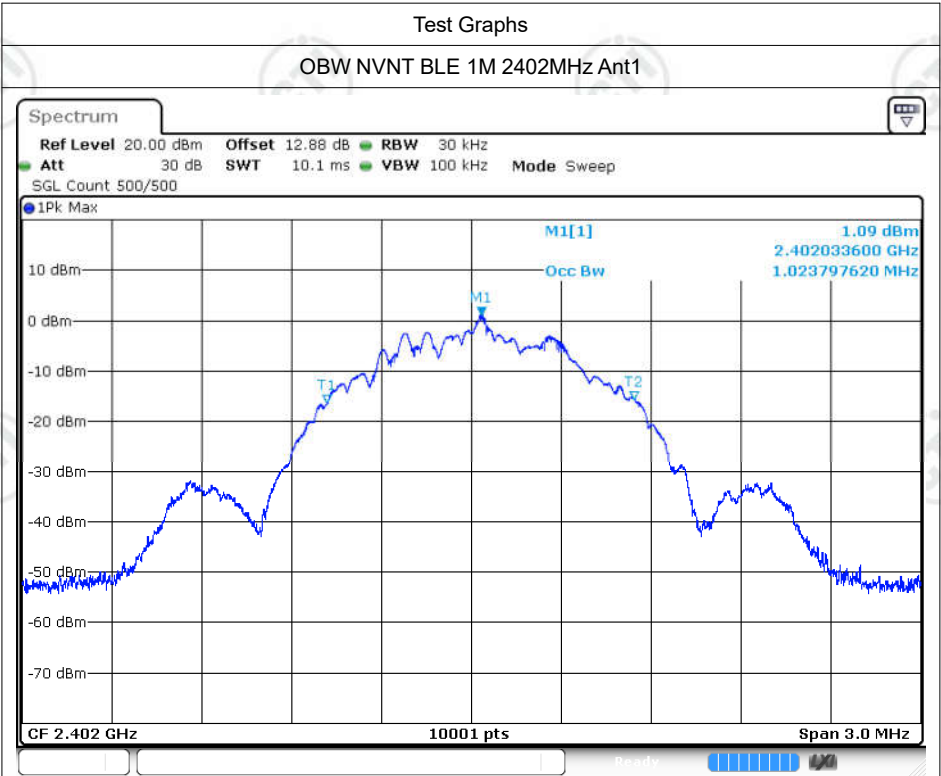
Date: 4.APR.2023 09:54:01



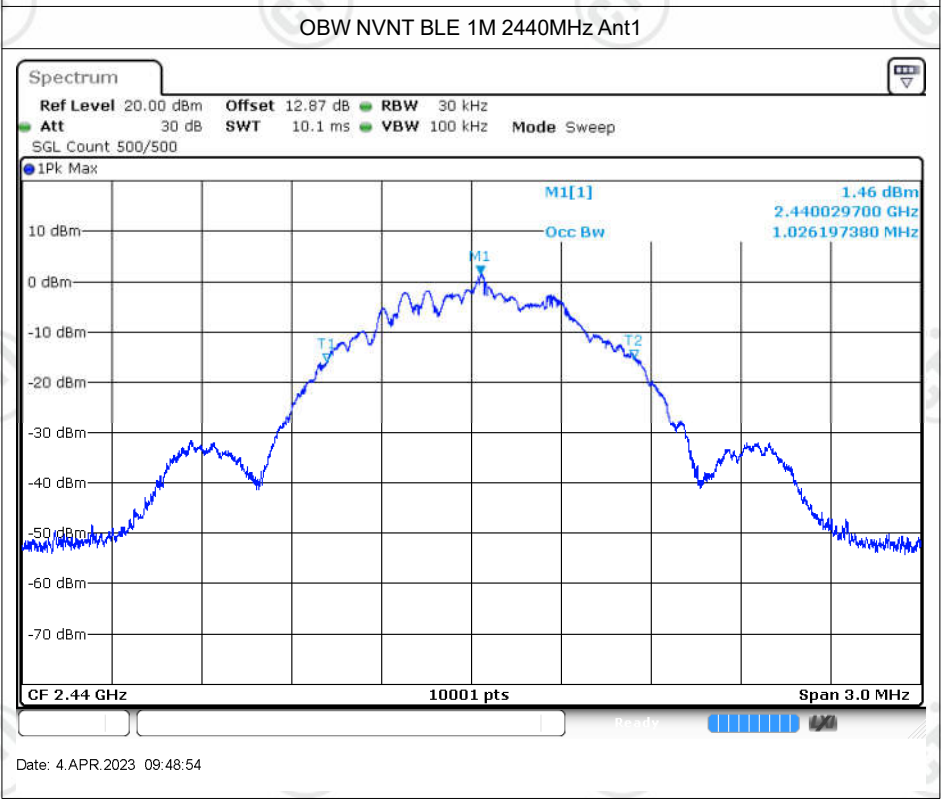
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Occupied Channel Bandwidth

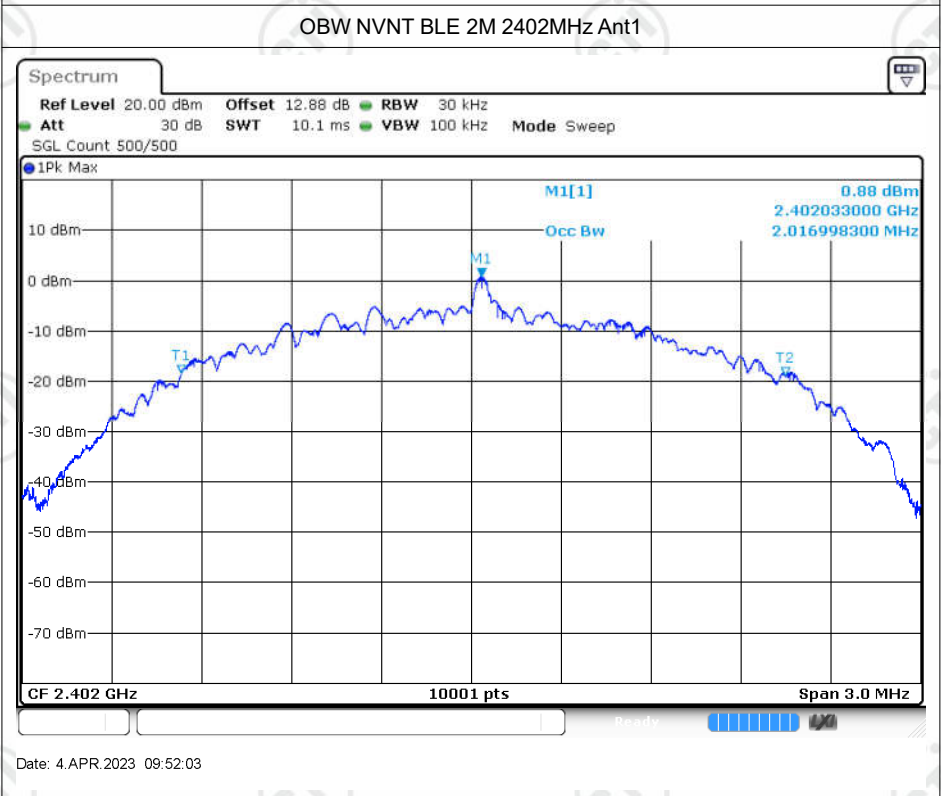
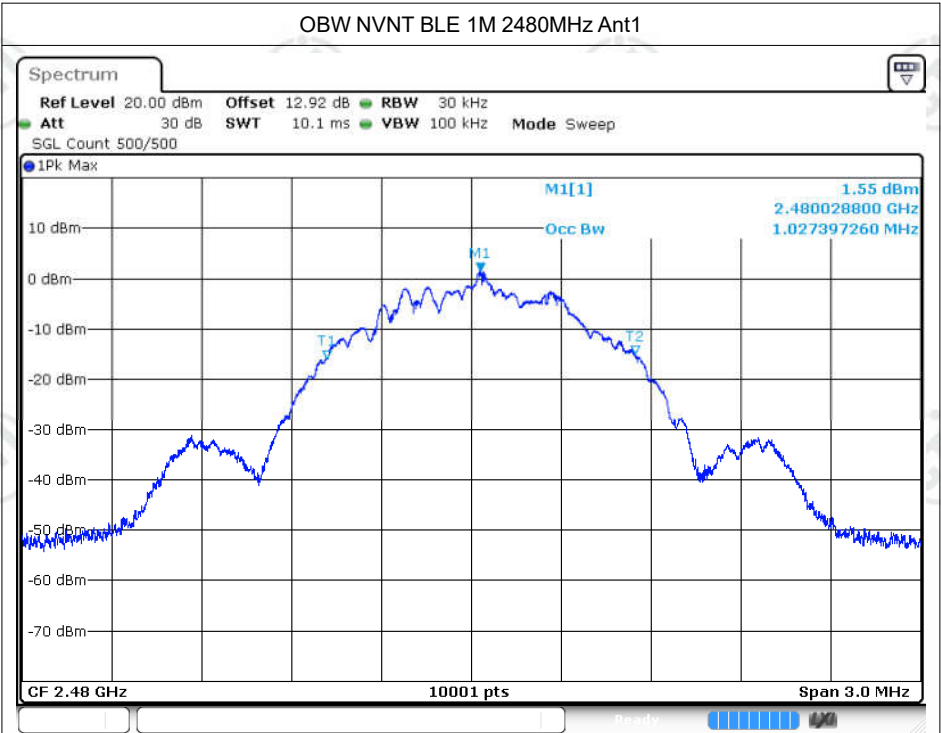
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.024
NVNT	BLE 1M	2440	Ant1	1.026
NVNT	BLE 1M	2480	Ant1	1.027
NVNT	BLE 2M	2402	Ant1	2.017
NVNT	BLE 2M	2440	Ant1	2.018
NVNT	BLE 2M	2480	Ant1	2.021

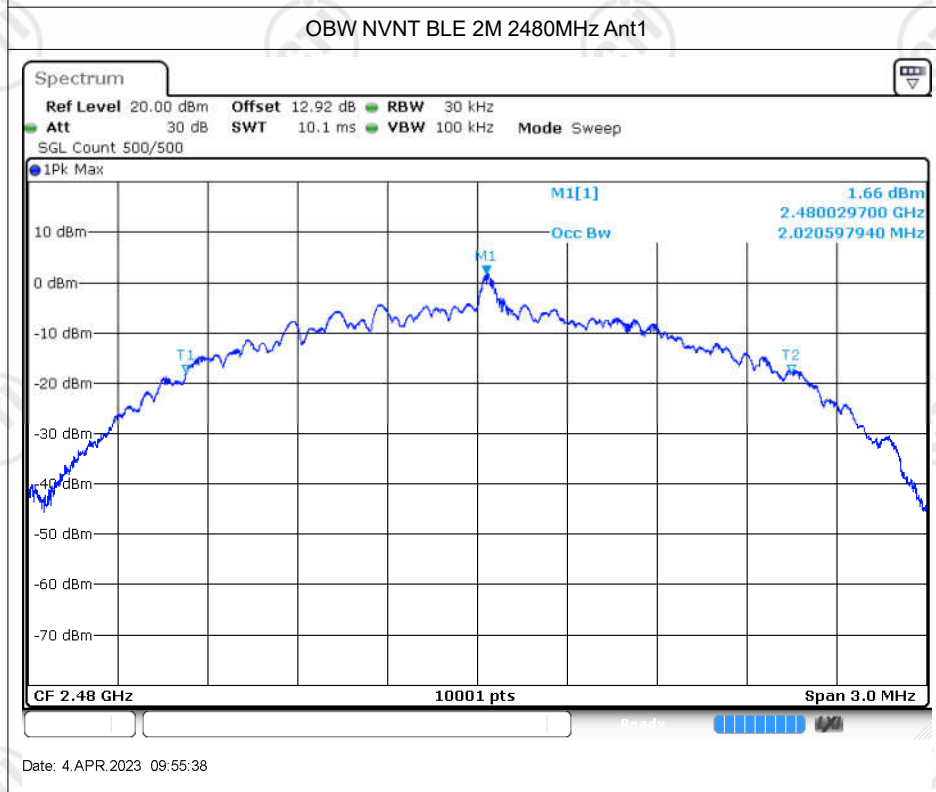
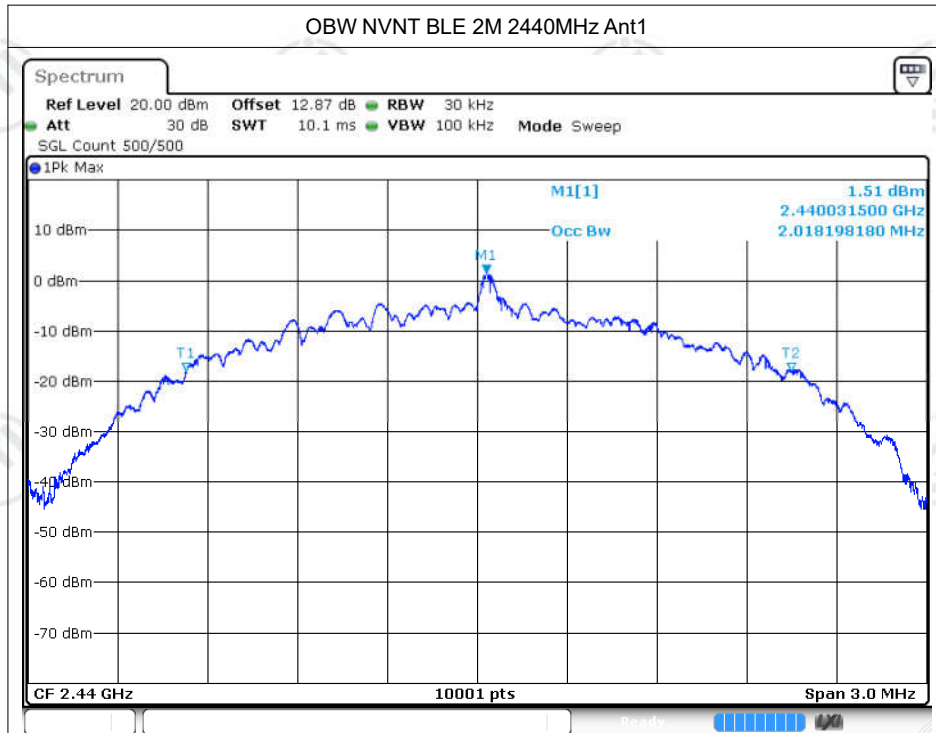


Date: 4.APR.2023 09:47:13



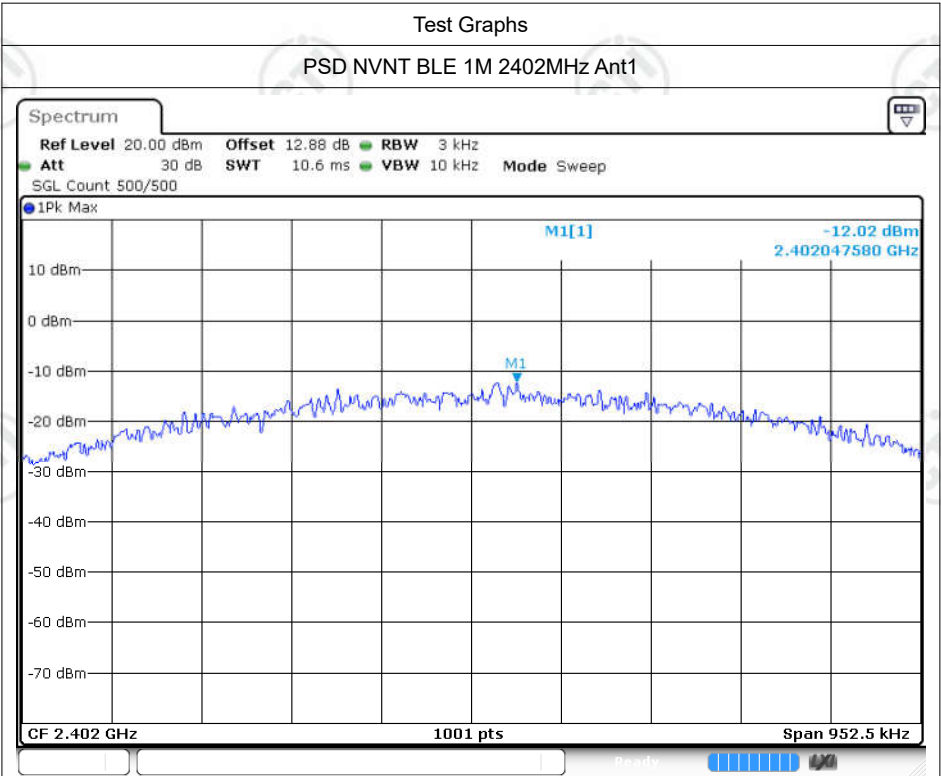
Date: 4.APR.2023 09:48:54



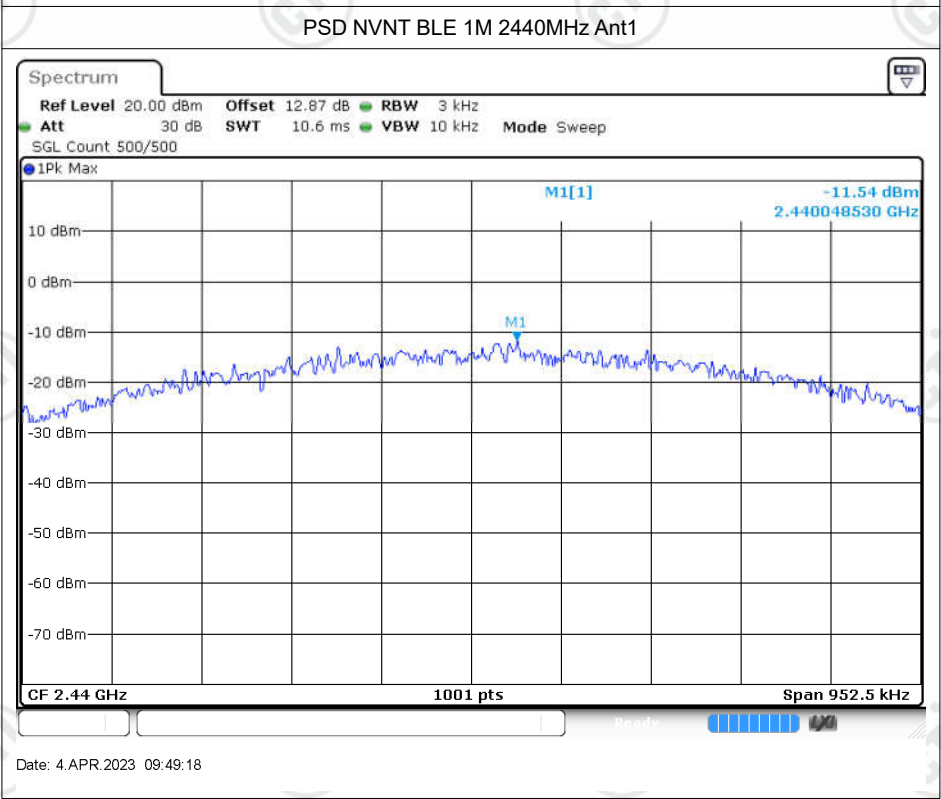


Maximum Power Spectral Density Level

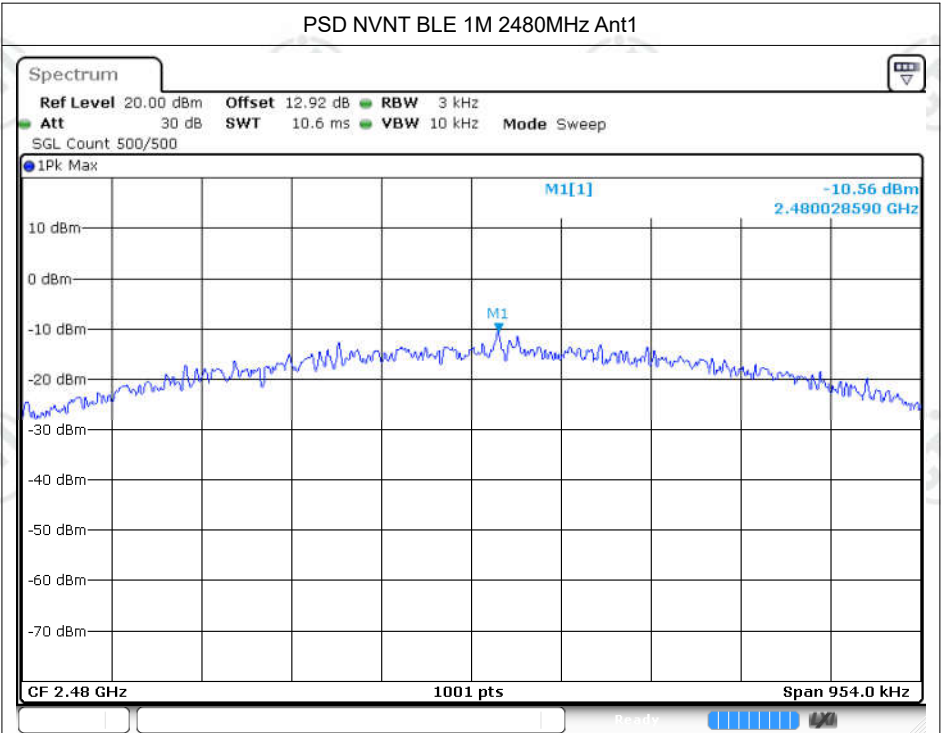
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-12.02	0	-12.02	8	Pass
NVNT	BLE 1M	2440	Ant1	-11.54	0	-11.54	8	Pass
NVNT	BLE 1M	2480	Ant1	-10.56	0	-10.56	8	Pass
NVNT	BLE 2M	2402	Ant1	-13.28	0	-13.28	8	Pass
NVNT	BLE 2M	2440	Ant1	-12.99	0	-12.99	8	Pass
NVNT	BLE 2M	2480	Ant1	-12.45	0	-12.45	8	Pass



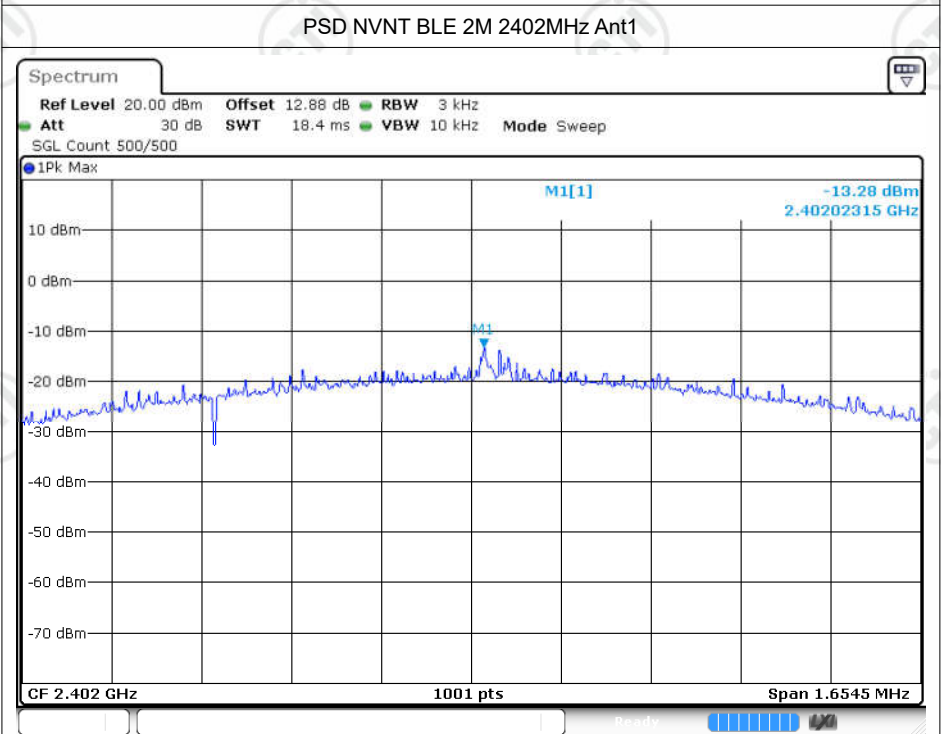
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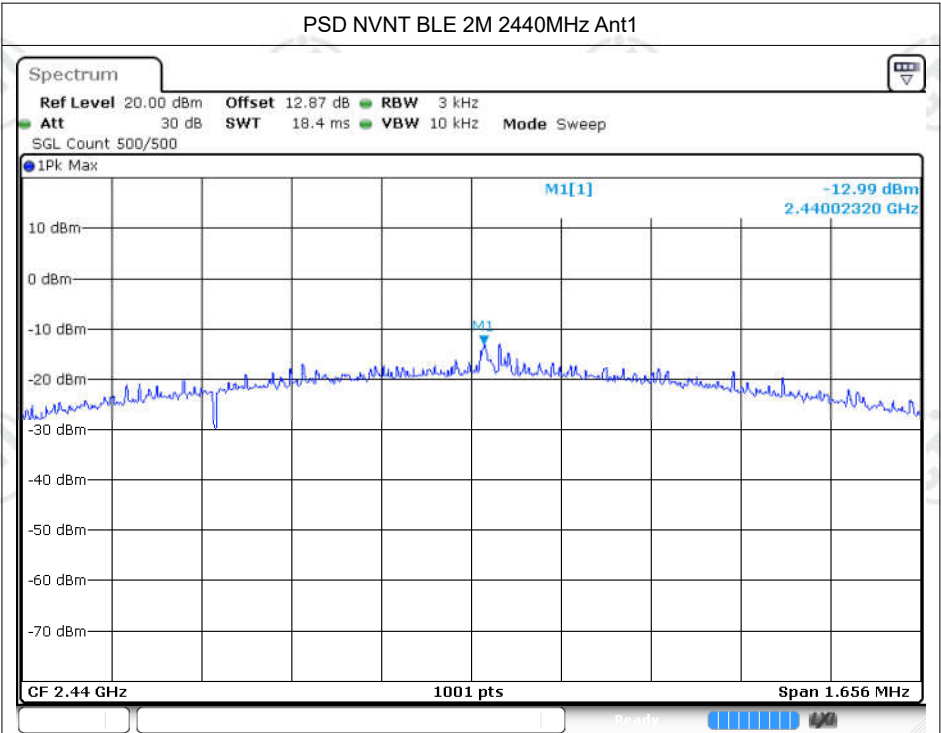
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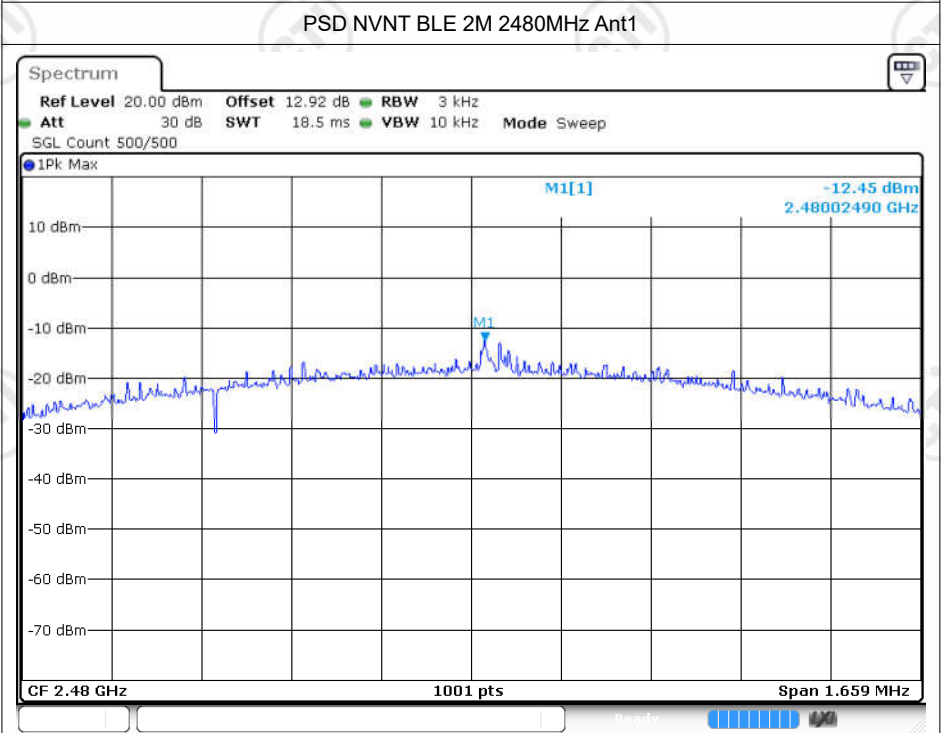
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Date: 4.APR.2023 09:52:35



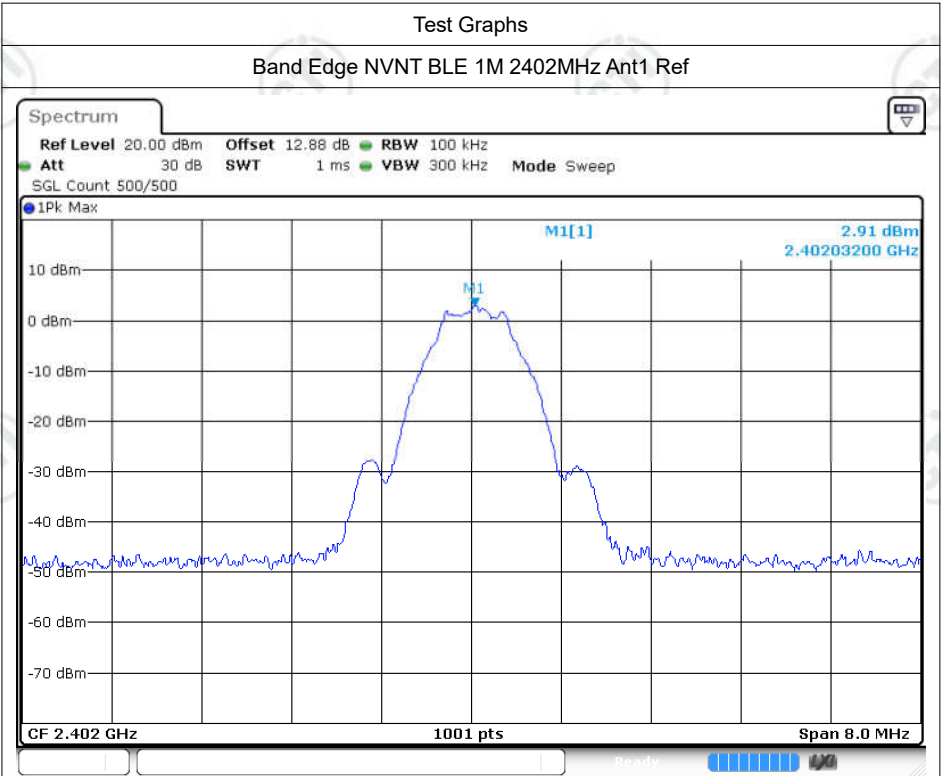
Date: 4.APR.2023 09:54:23



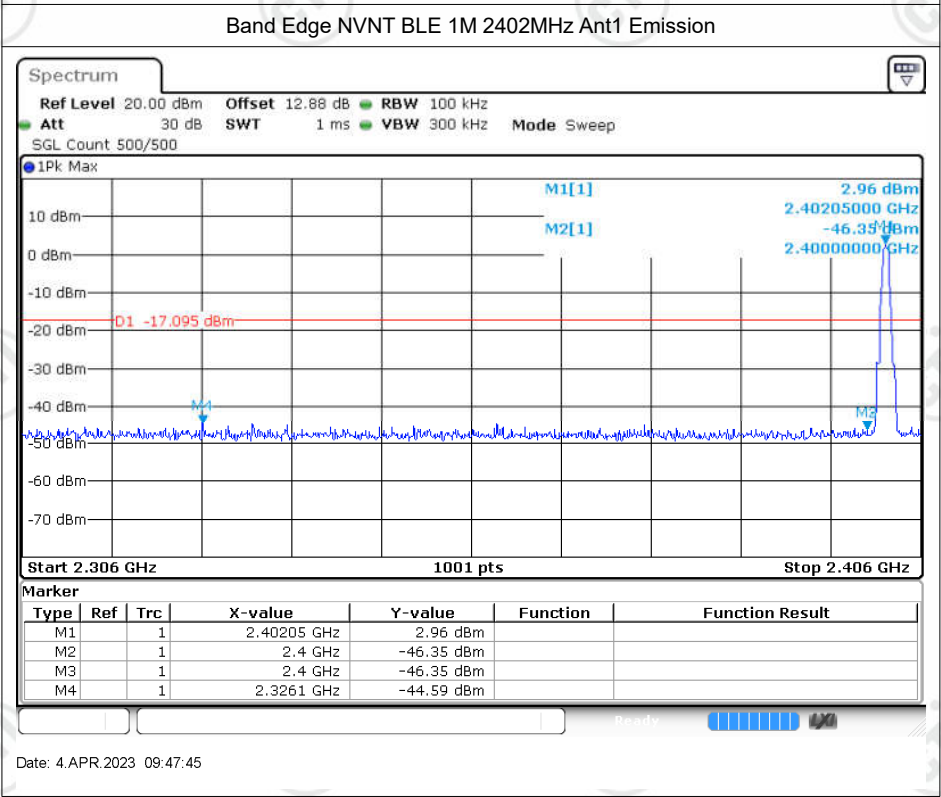
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Band Edge

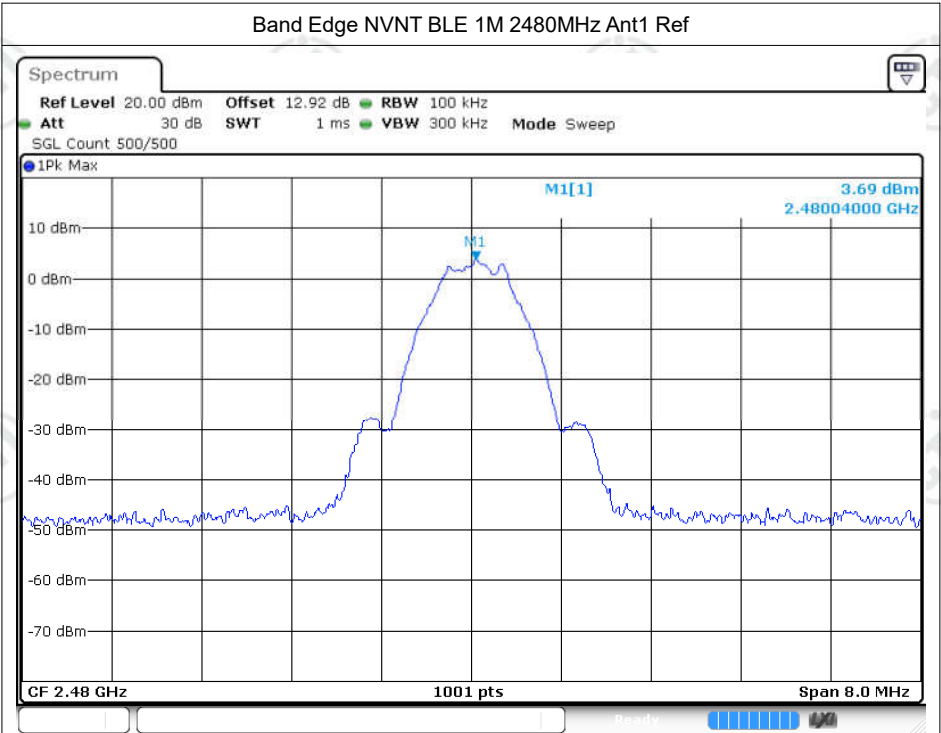
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.49	-20	Pass
NVNT	BLE 1M	2480	Ant1	-49.12	-20	Pass
NVNT	BLE 2M	2402	Ant1	-48.18	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.06	-20	Pass



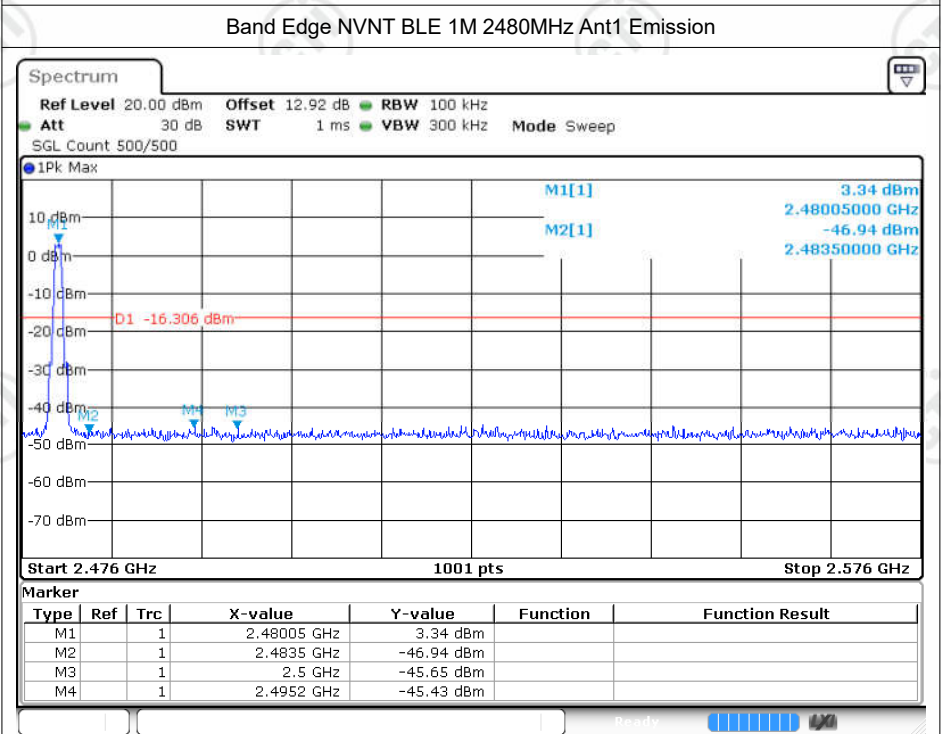
Date: 4.APR.2023 09:47:41



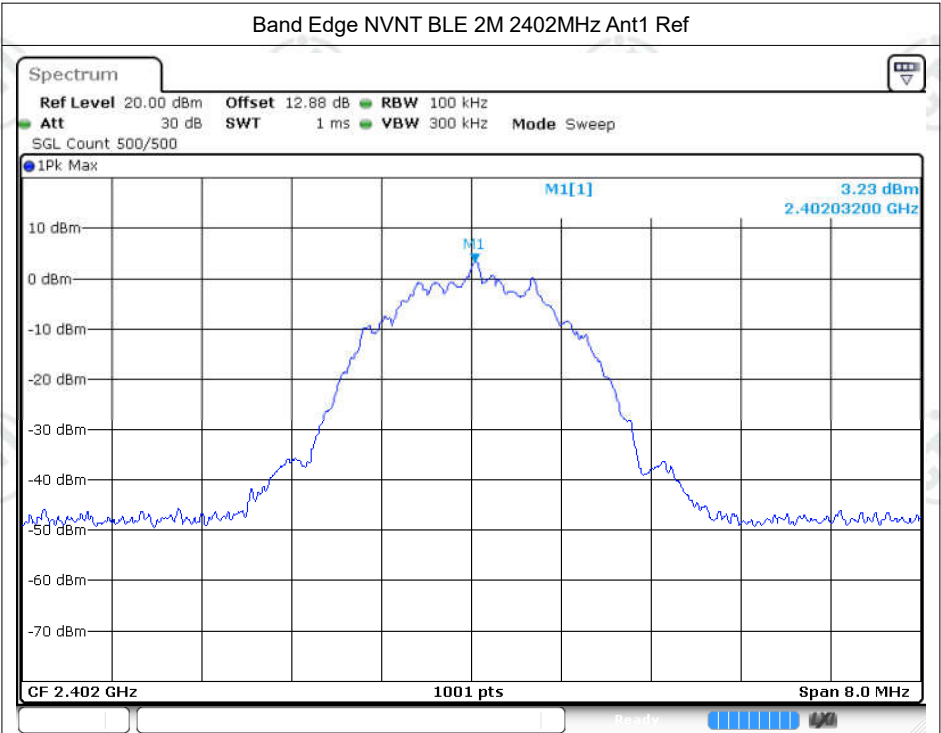
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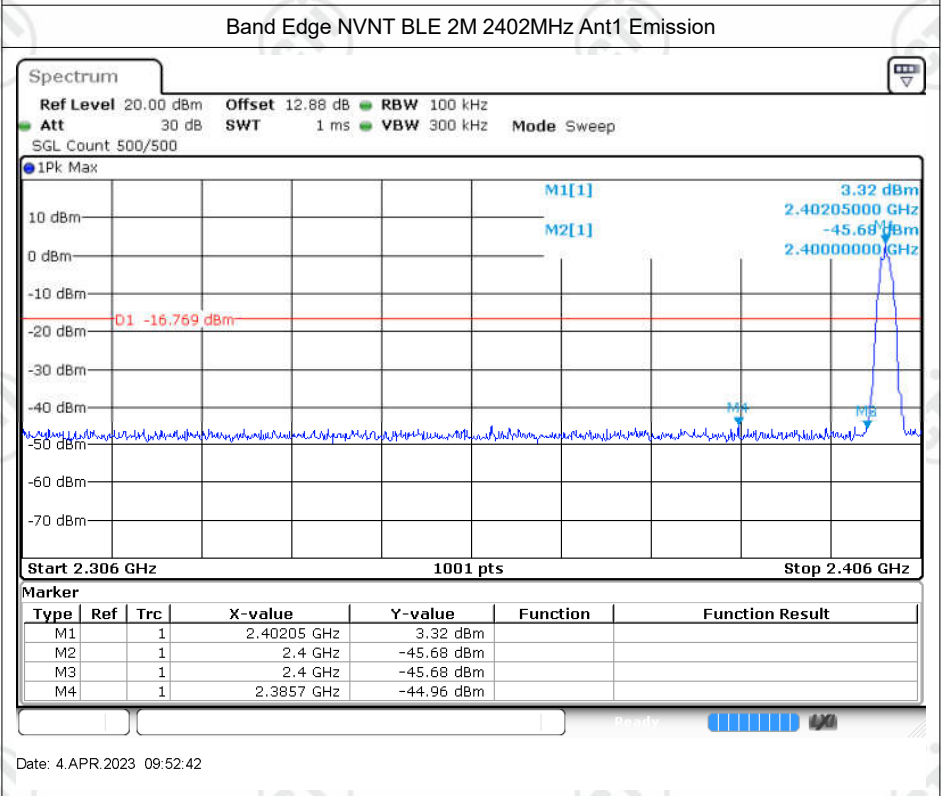
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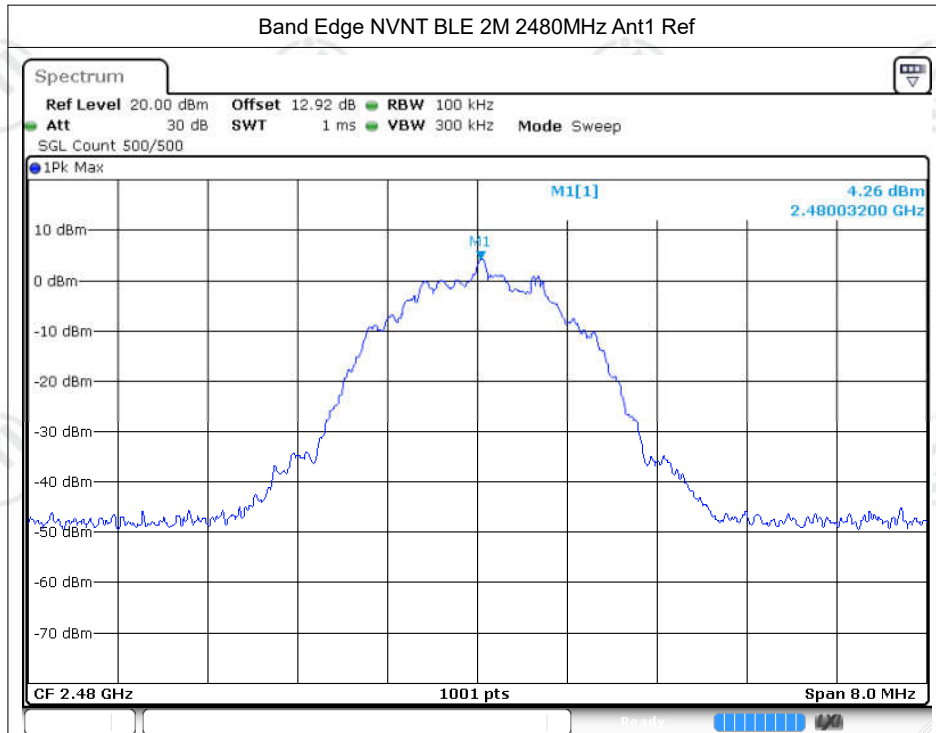
Date: 4.APR.2023 09:50:56



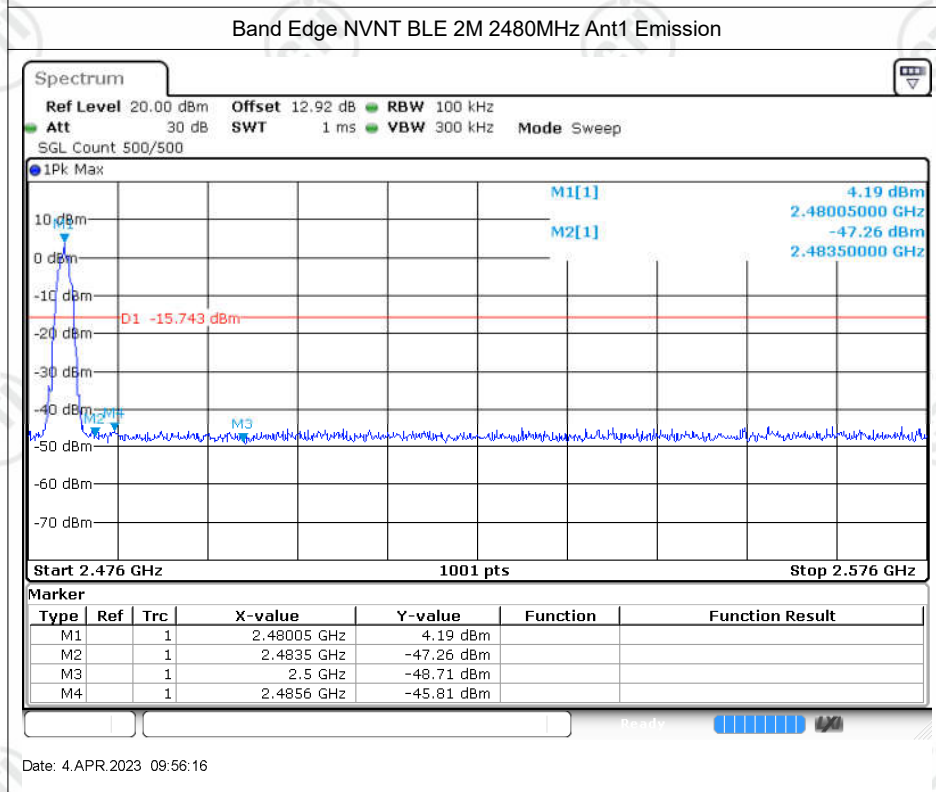
Date: 4.APR.2023 09:52:39



Date: 4.APR.2023 09:52:42



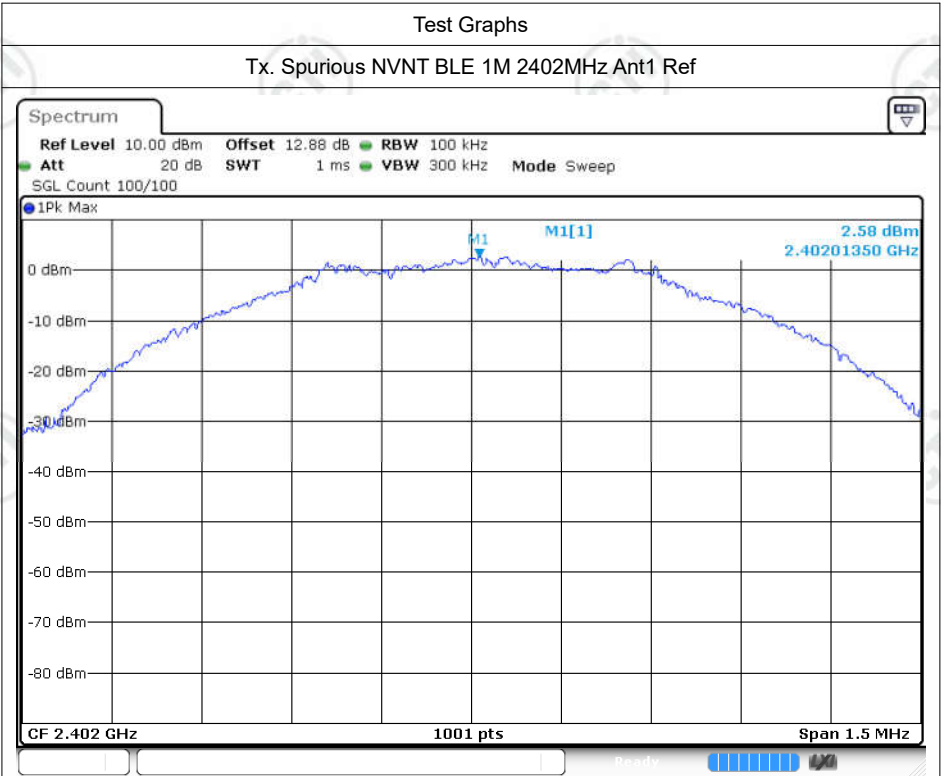
Date: 4. APR. 2023 09:56:14



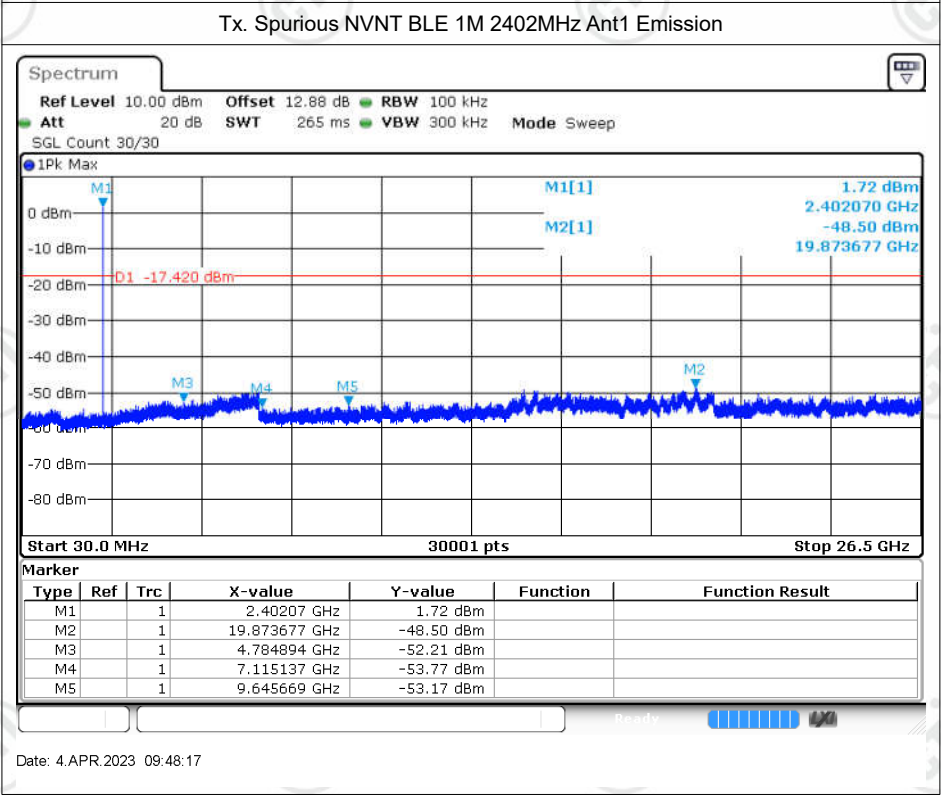
Date: 4. APR. 2023 09:56:16

Conducted RF Spurious Emission

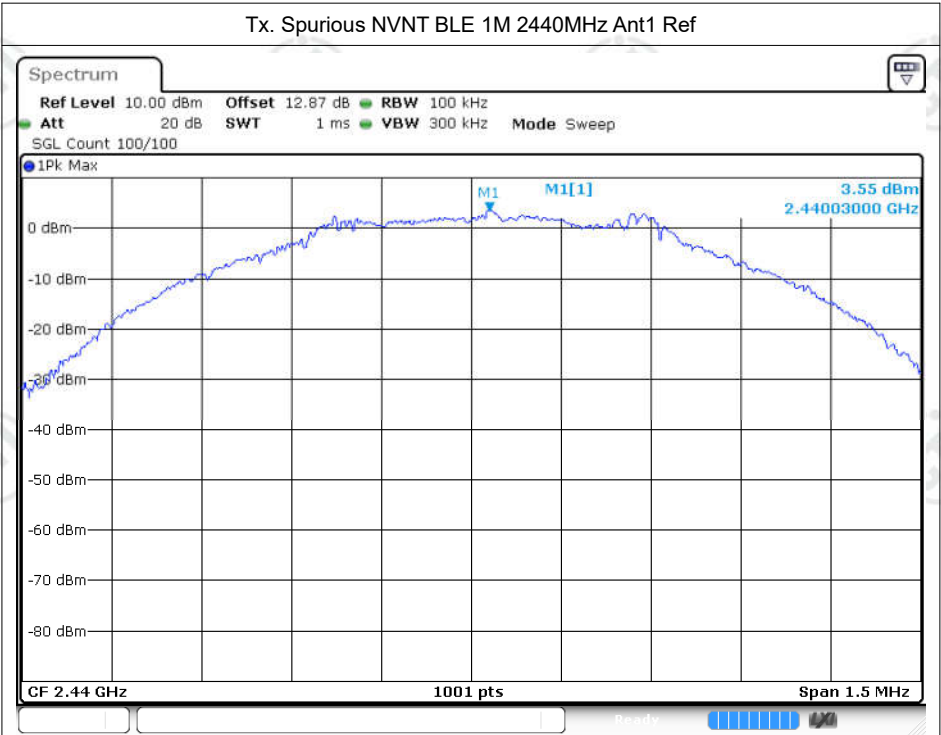
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.07	-20	Pass
NVNT	BLE 1M	2440	Ant1	-52.20	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.25	-20	Pass
NVNT	BLE 2M	2402	Ant1	-51.90	-20	Pass
NVNT	BLE 2M	2440	Ant1	-49.76	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.32	-20	Pass



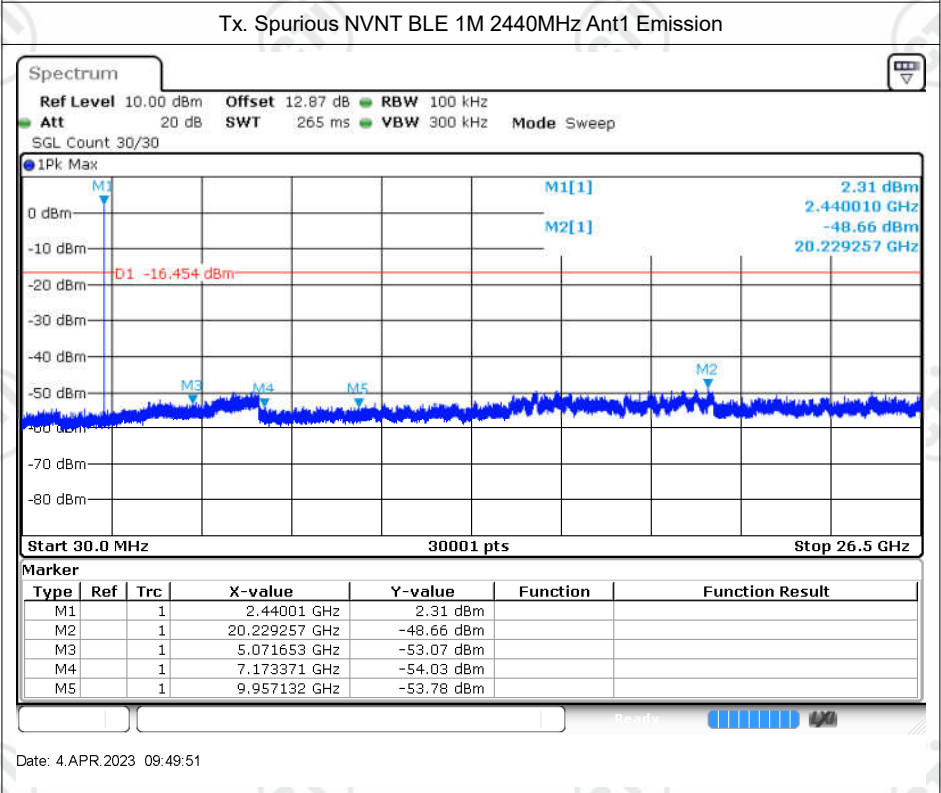
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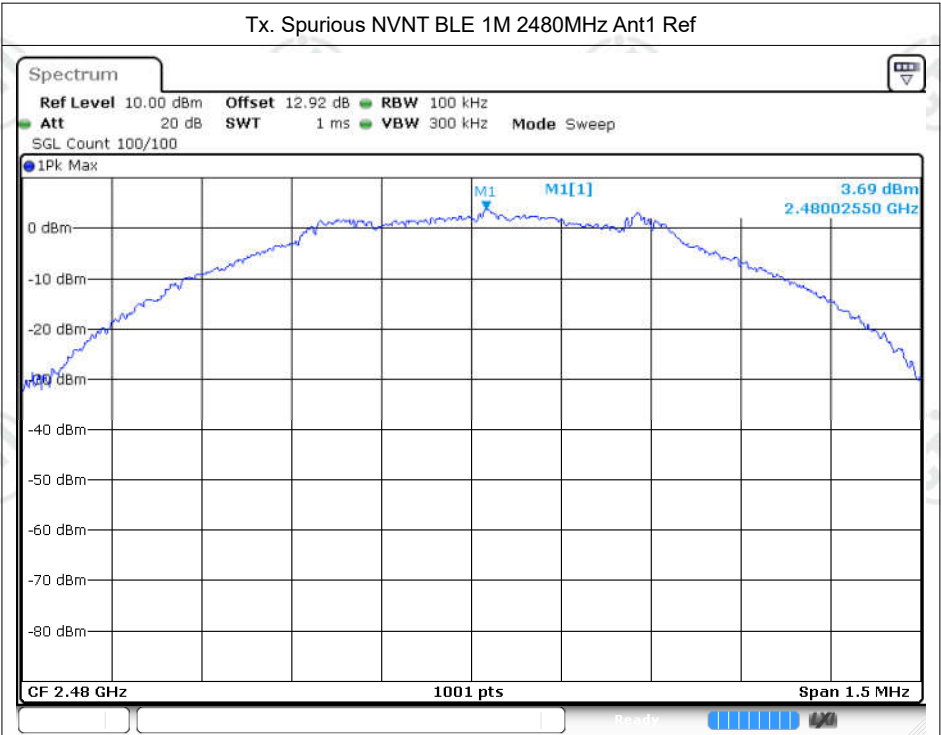
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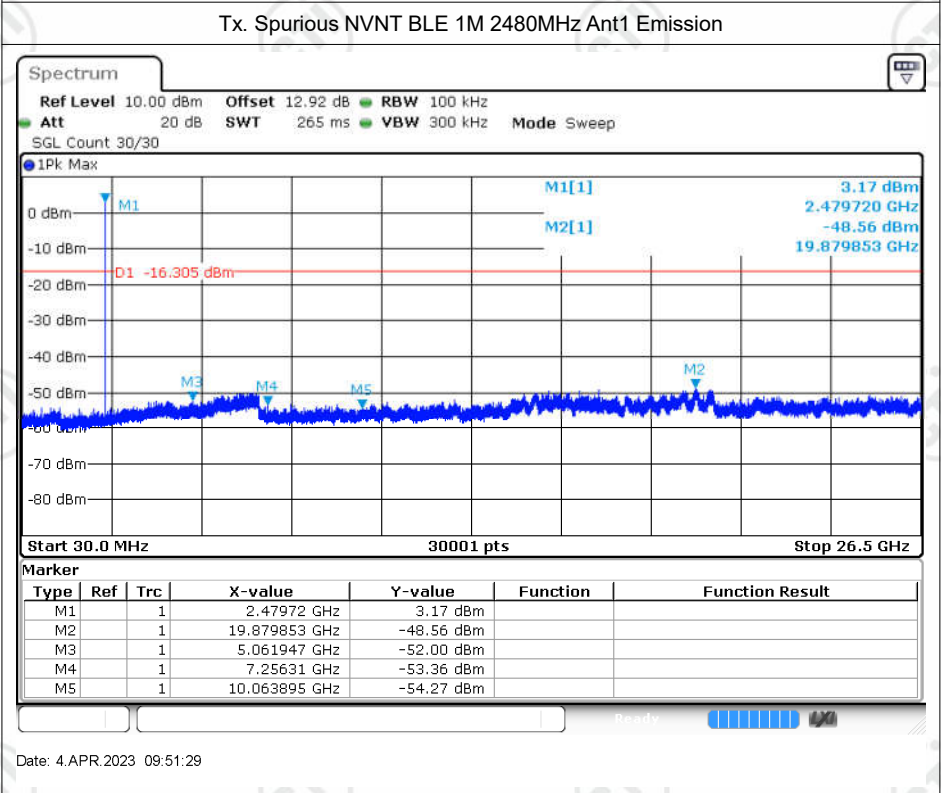
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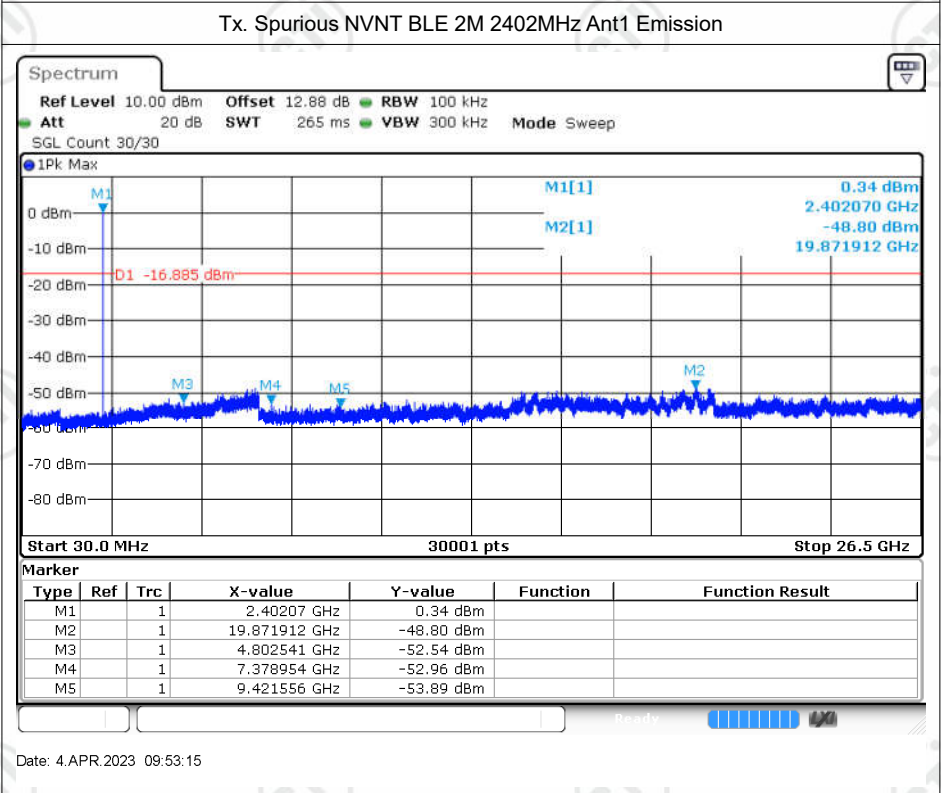
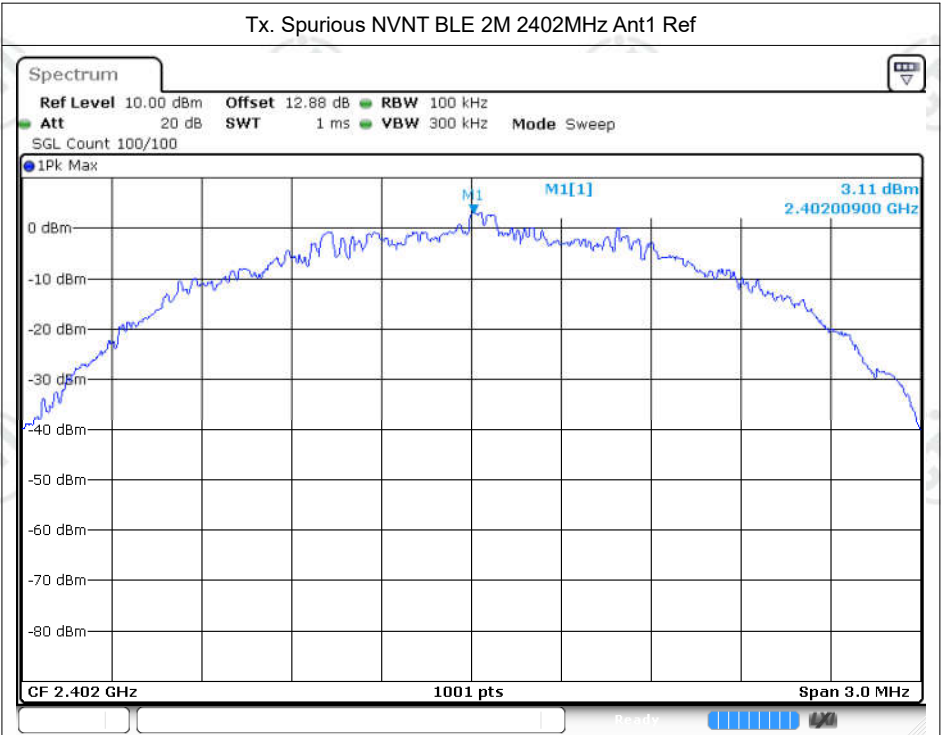
Date: 4. APR. 2023 09:49:51

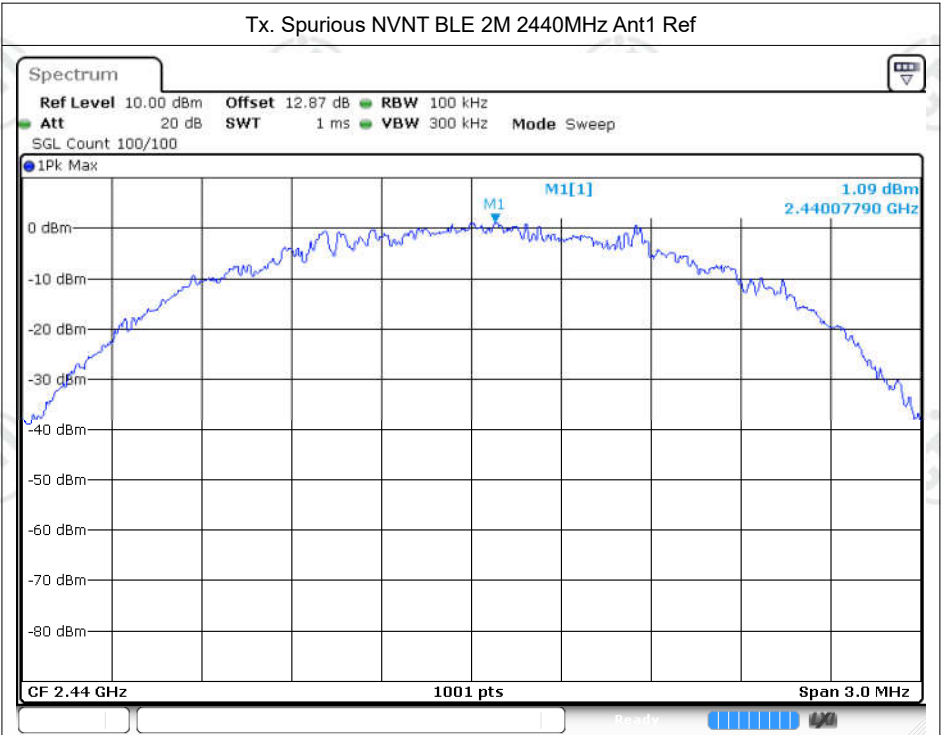


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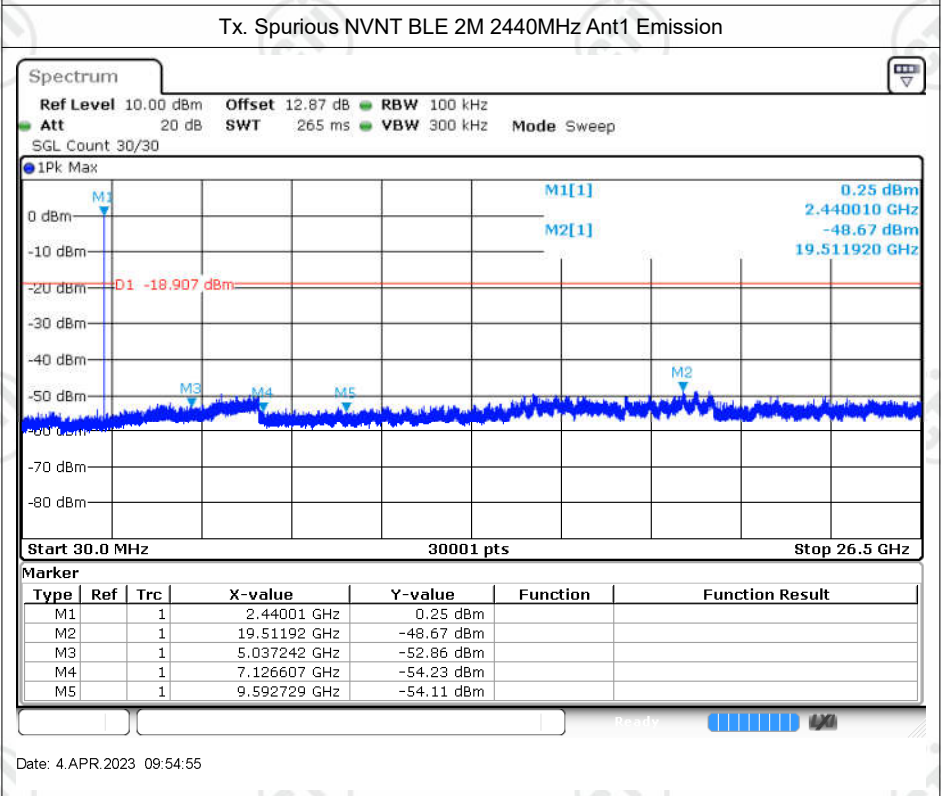


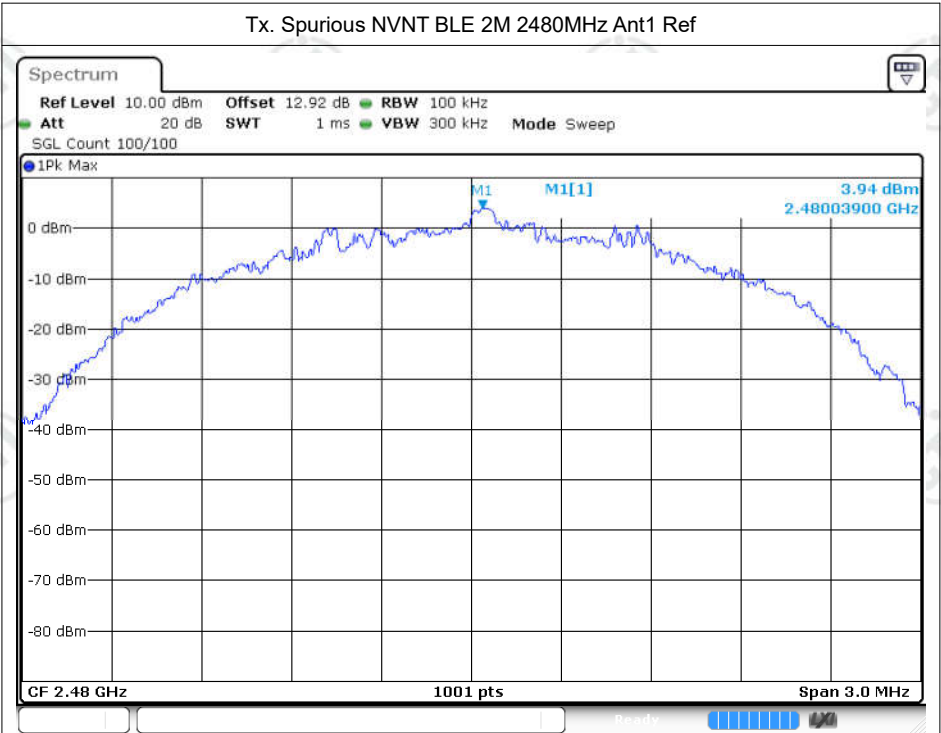
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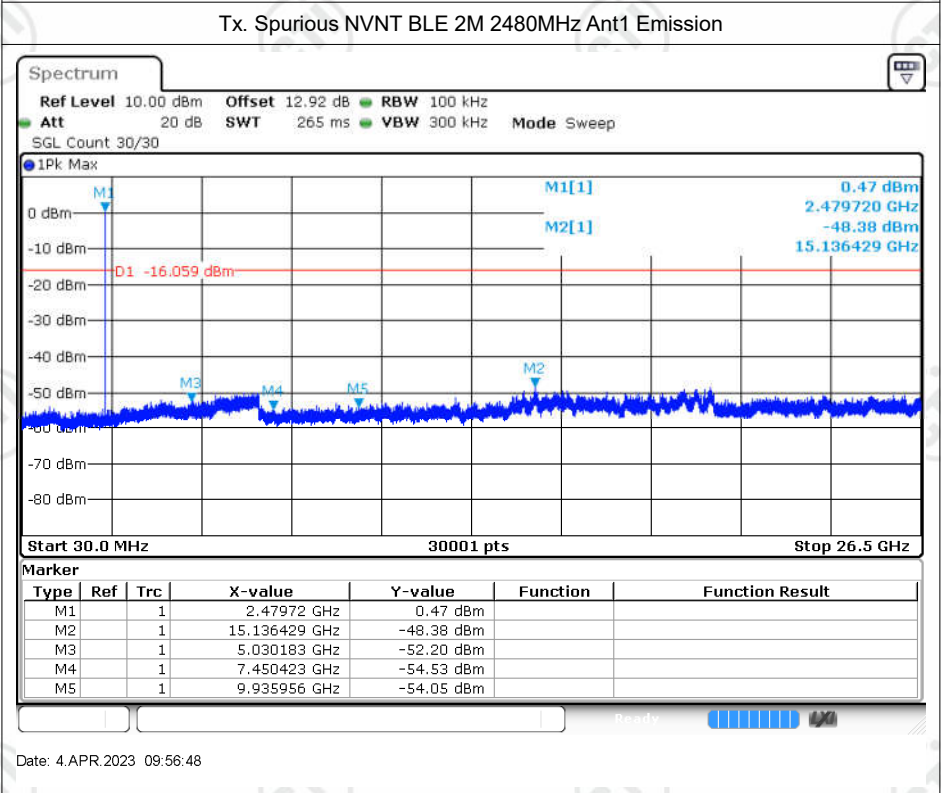


Date: 4.APR.2023 09:54:25





Date: 4.APR.2023 09:56:19



Date: 4.APR.2023 09:56:48

*** End of Report ***