

Appendix: Bluetooth LE

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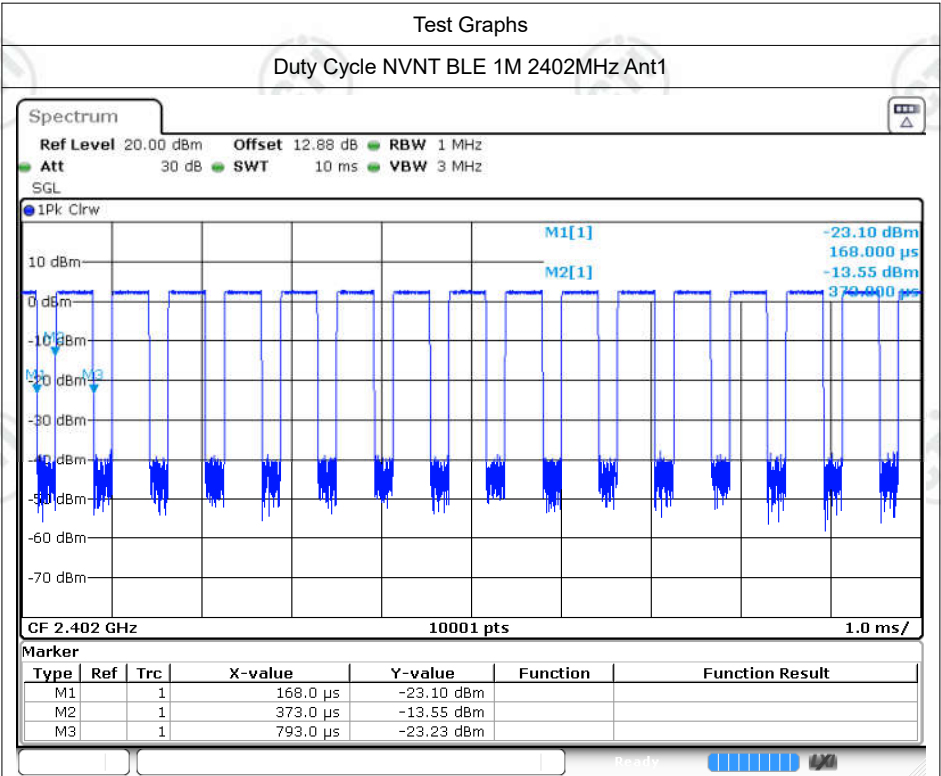
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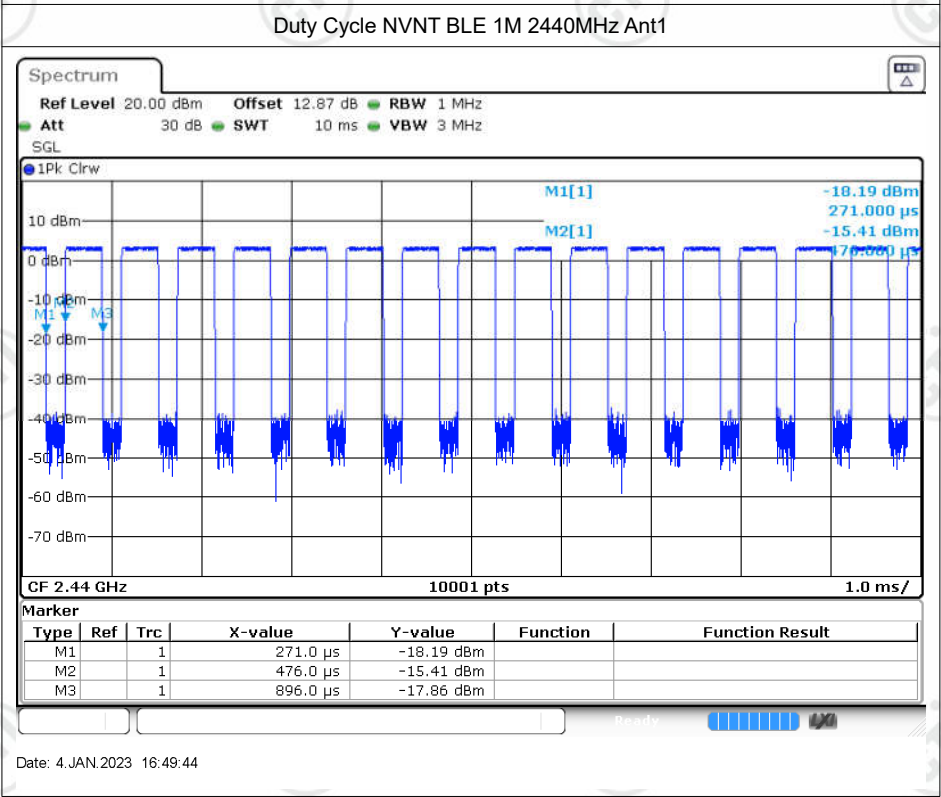
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Duty Cycle

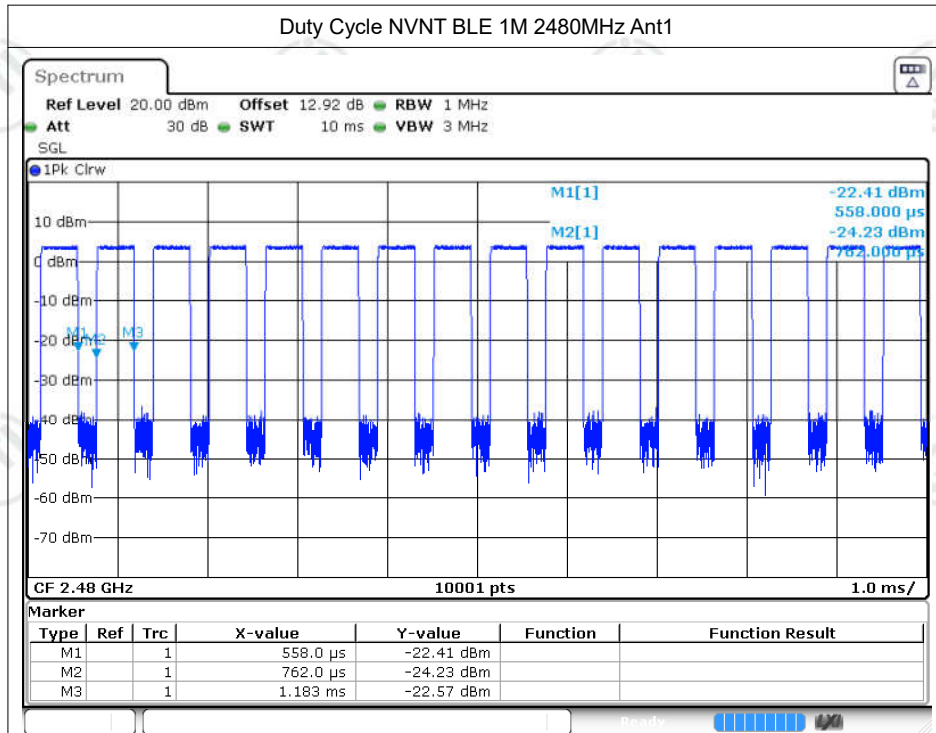
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	67.2	1.73	2.38
NVNT	BLE 1M	2440	Ant1	67.2	1.73	2.38
NVNT	BLE 1M	2480	Ant1	67.36	1.72	2.38
NVNT	BLE 2M	2402	Ant1	38.21	4.18	4.18
NVNT	BLE 2M	2440	Ant1	38.16	4.18	4.19
NVNT	BLE 2M	2480	Ant1	38.21	4.18	4.18



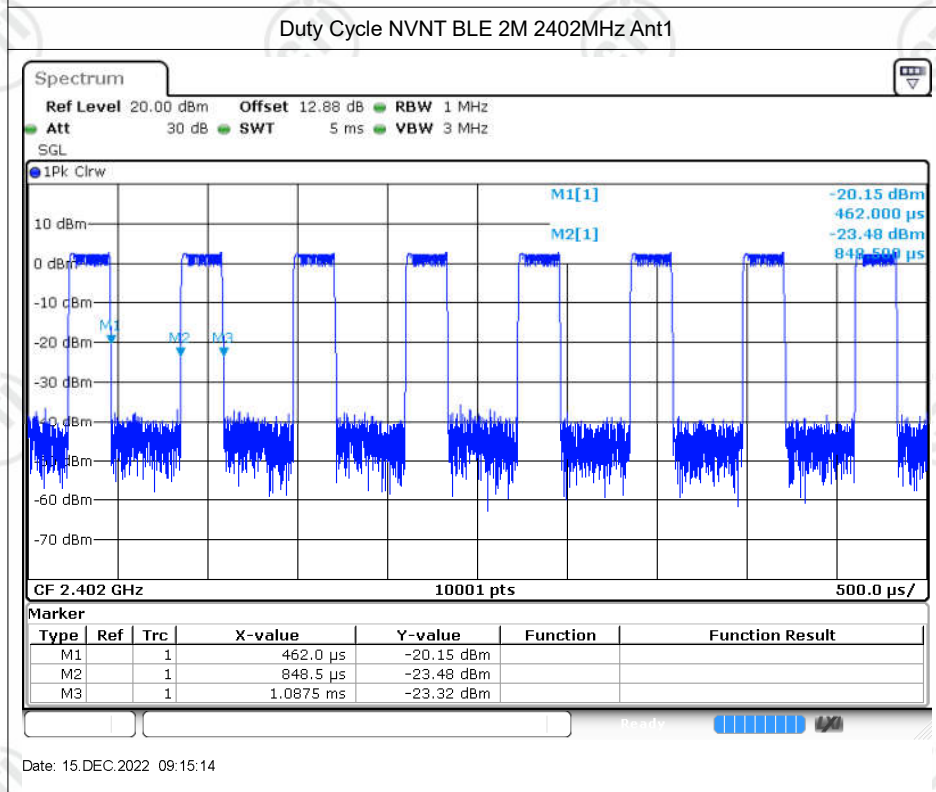
Date: 4.JAN.2023 16:47:58



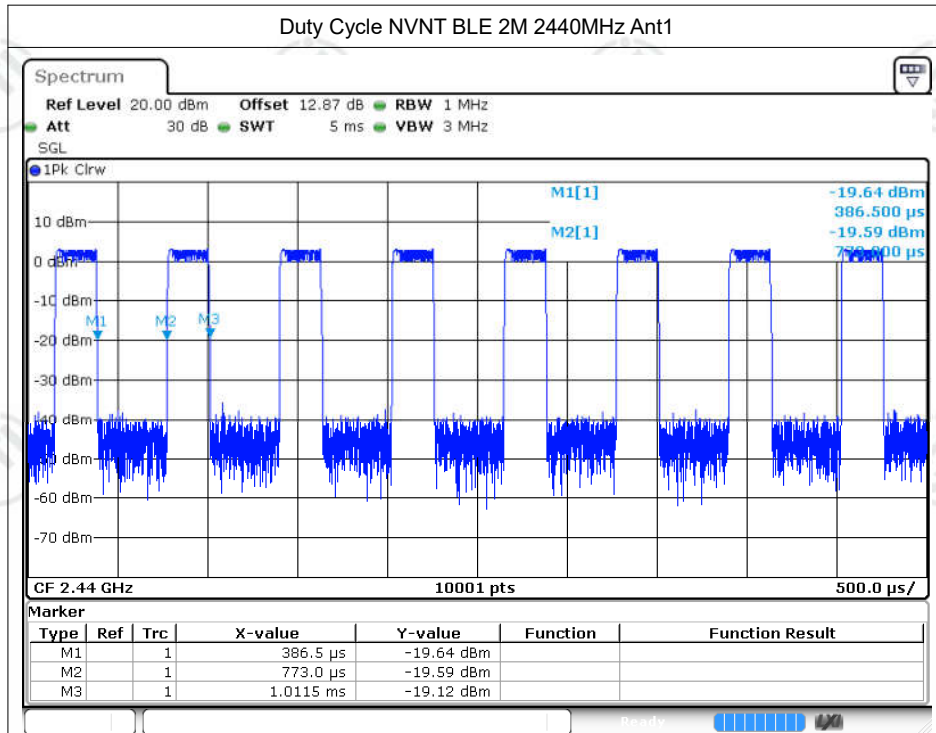
Date: 4.JAN.2023 16:49:44



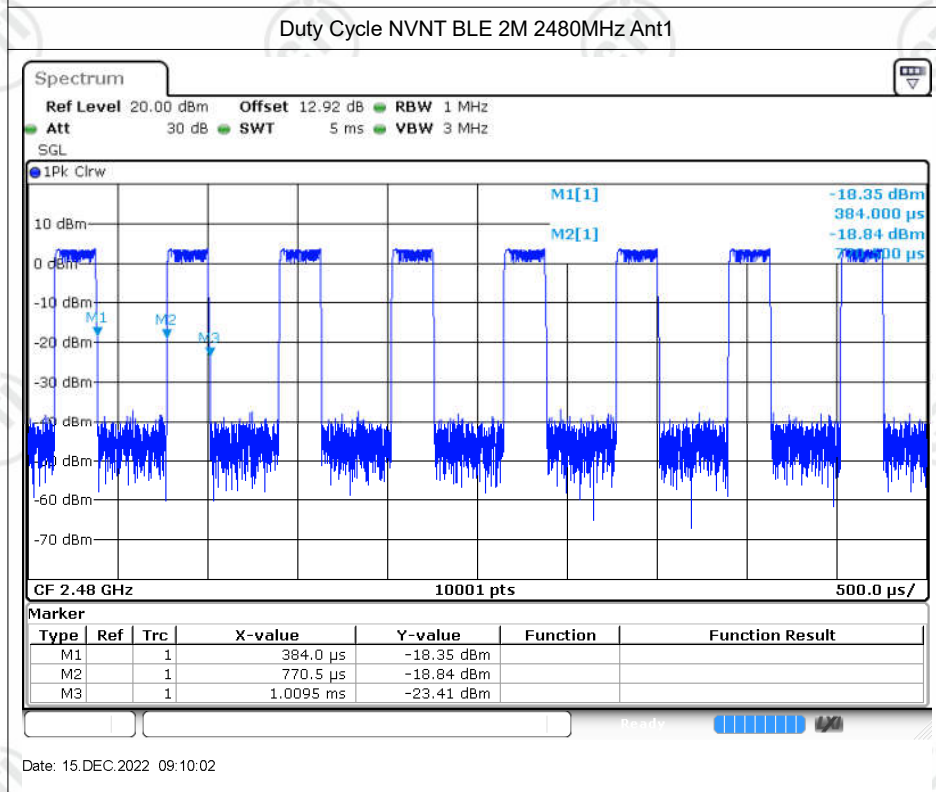
Date: 4.JAN.2023 16:51:26



Date: 15.DEC.2022 09:15:14



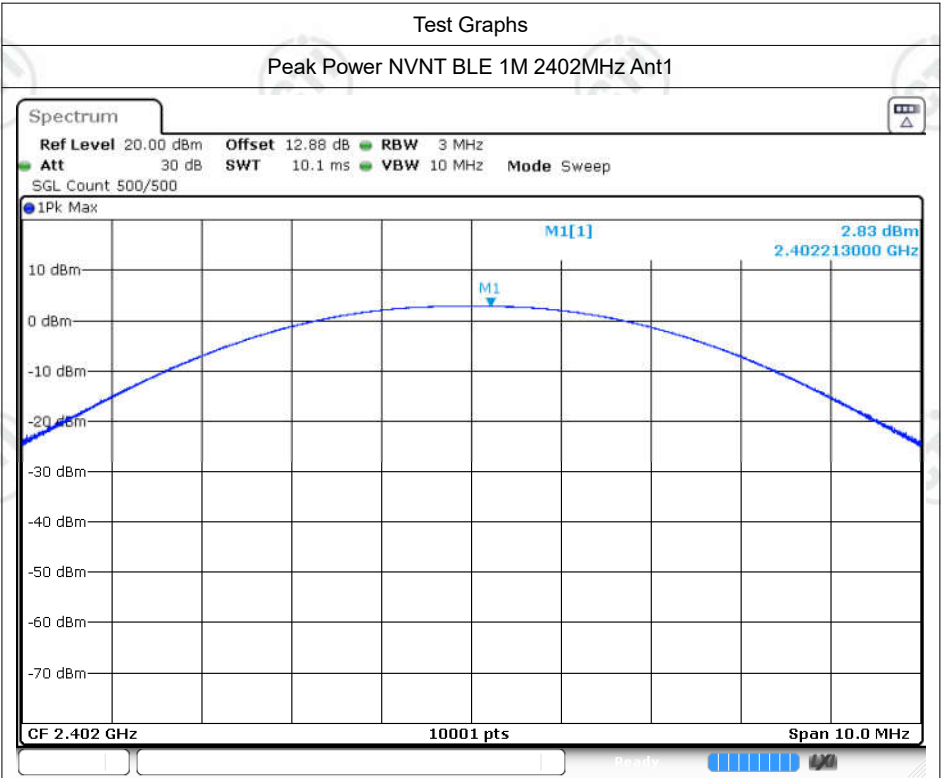
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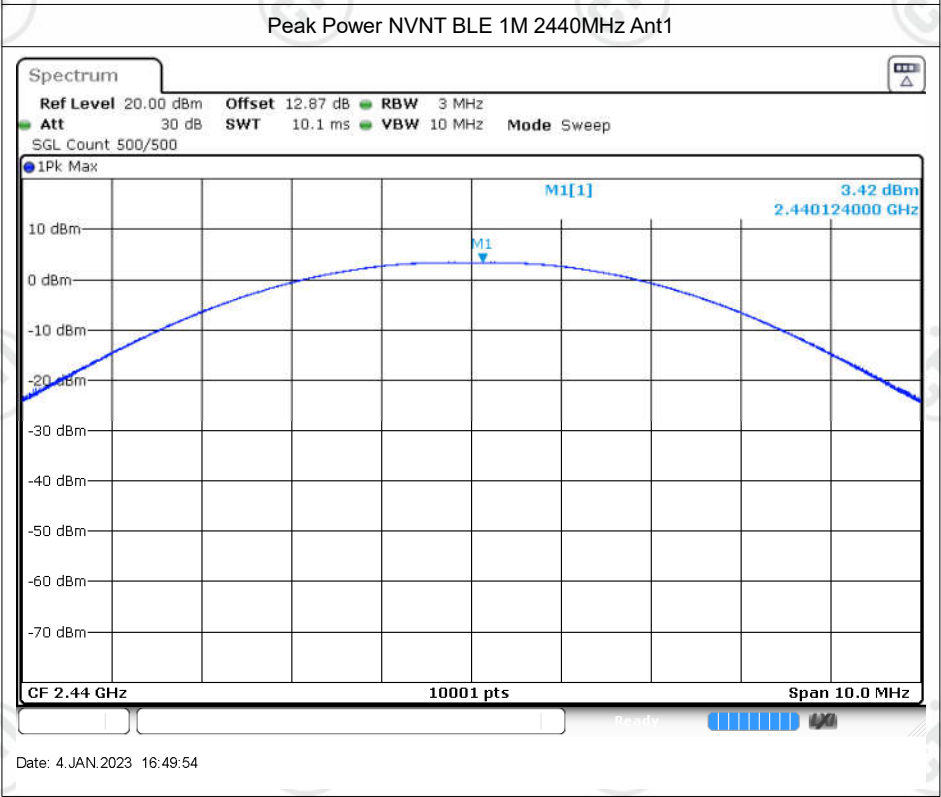
Date: 15.DEC.2022 09:10:02

Maximum Peak Conducted Output Power

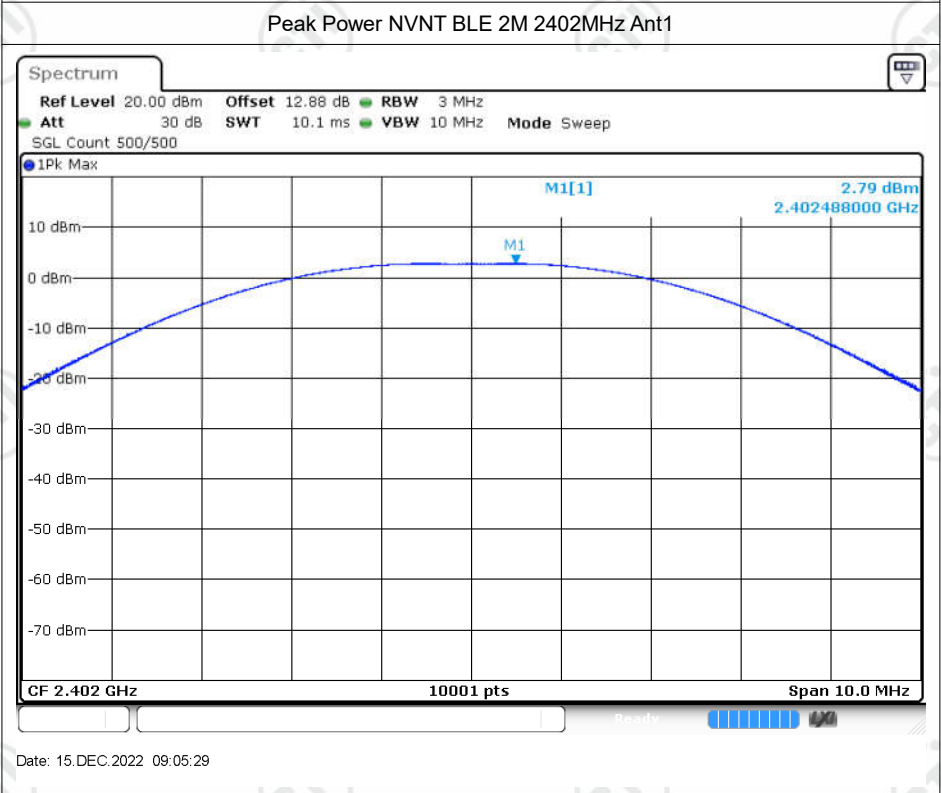
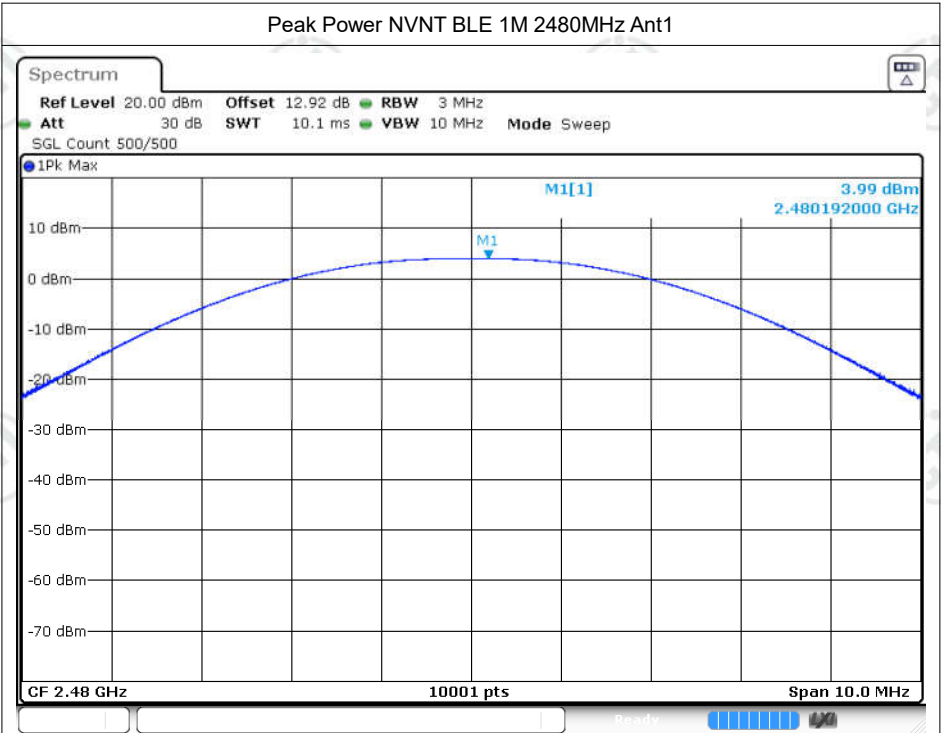
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.83	0	2.83	30	Pass
NVNT	BLE 1M	2440	Ant1	3.42	0	3.42	30	Pass
NVNT	BLE 1M	2480	Ant1	3.99	0	3.99	30	Pass
NVNT	BLE 2M	2402	Ant1	2.79	0	2.79	30	Pass
NVNT	BLE 2M	2440	Ant1	3.21	0	3.21	30	Pass
NVNT	BLE 2M	2480	Ant1	3.73	0	3.73	30	Pass

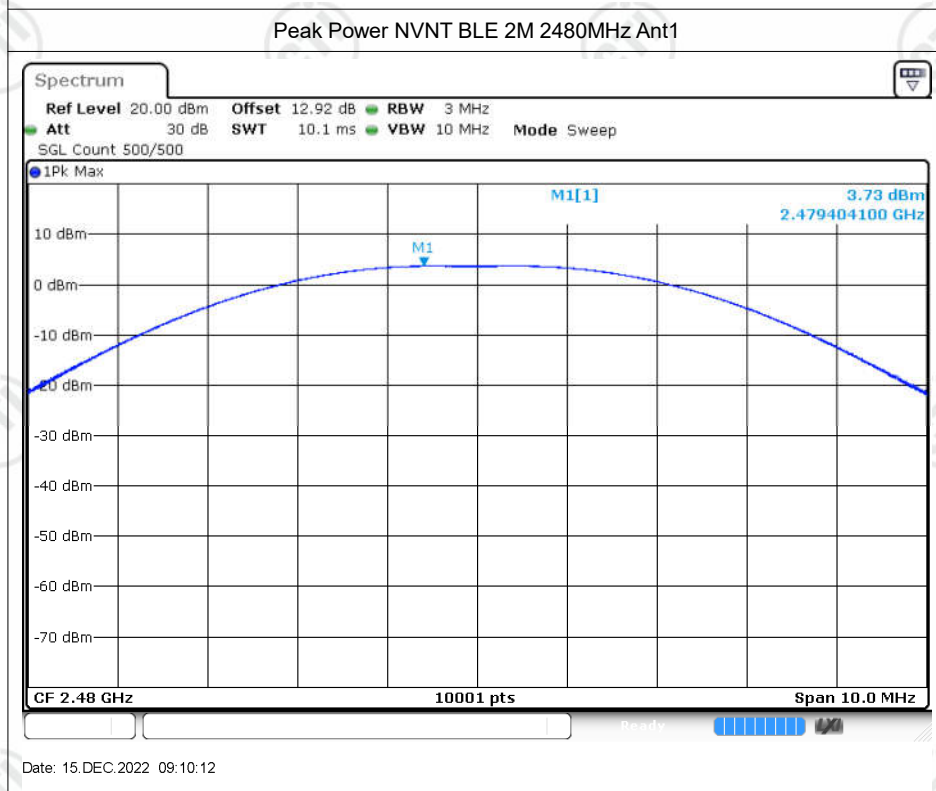
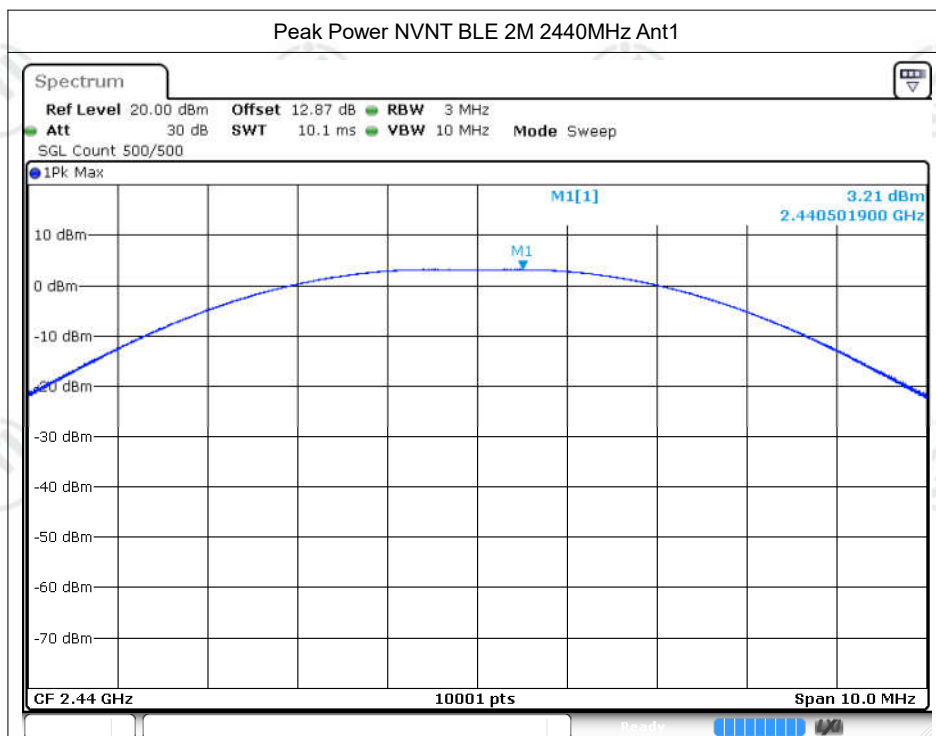


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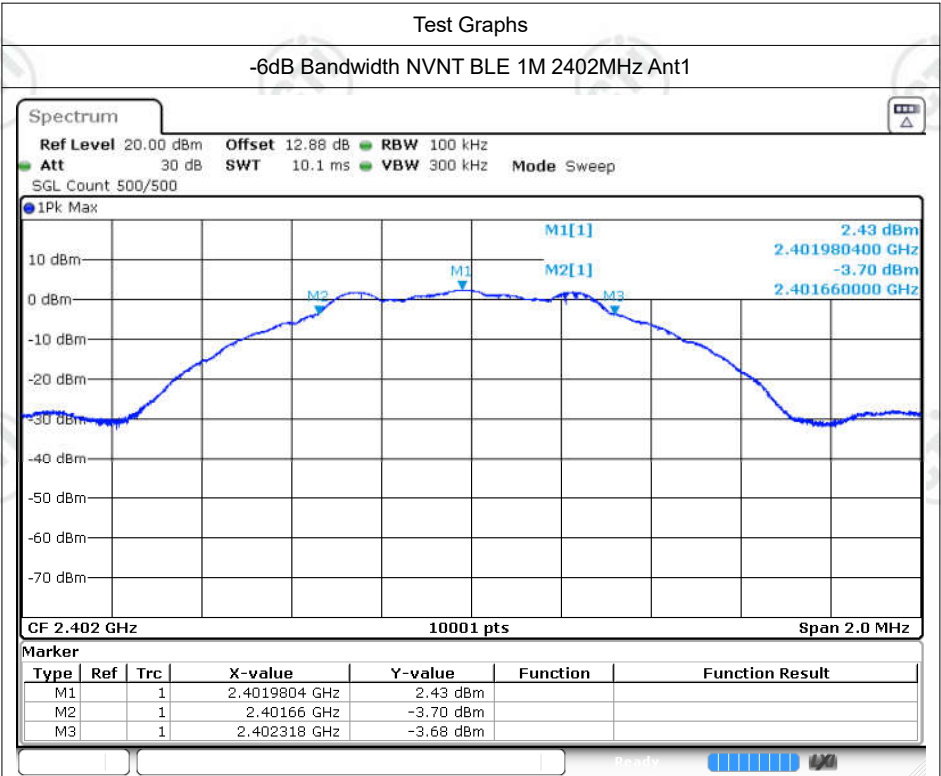
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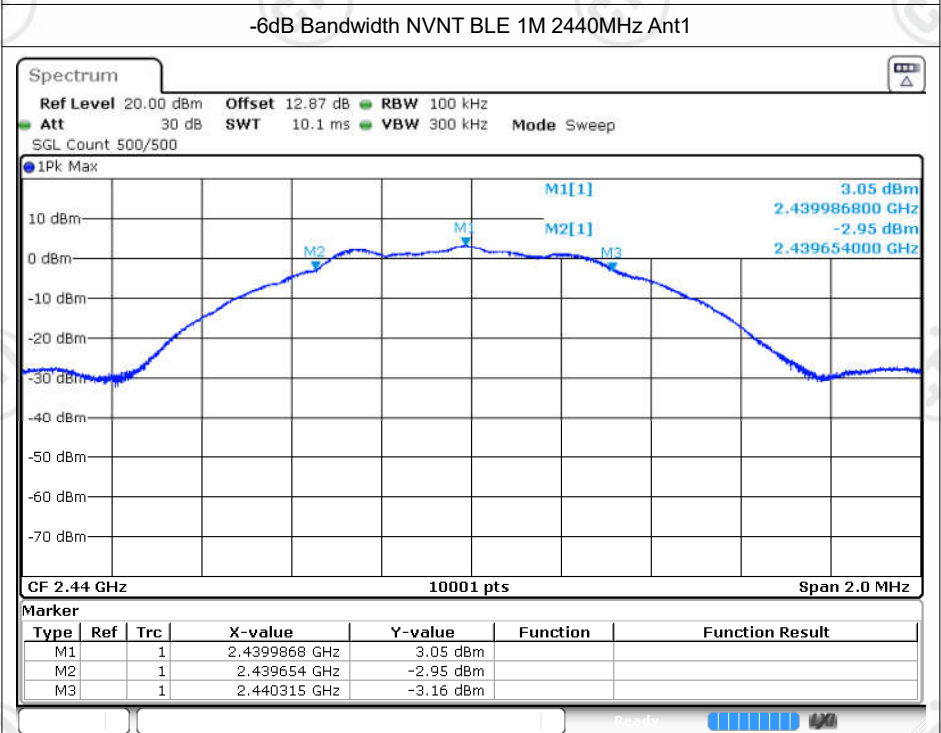


-6dB Bandwidth

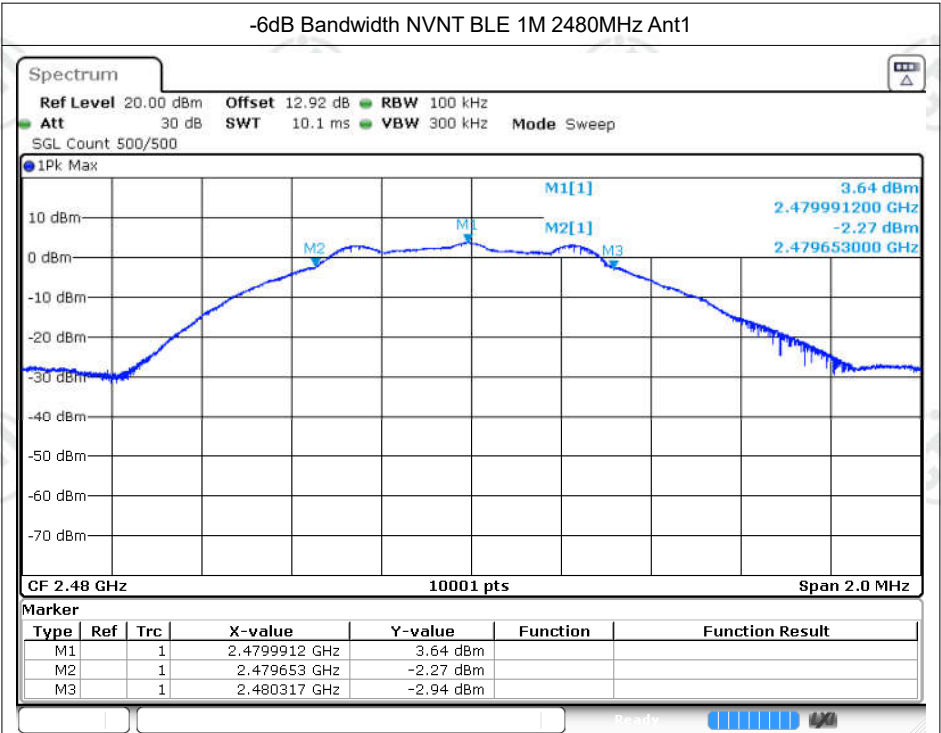
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.658	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.661	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.664	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.116	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.095	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.111	0.5	Pass



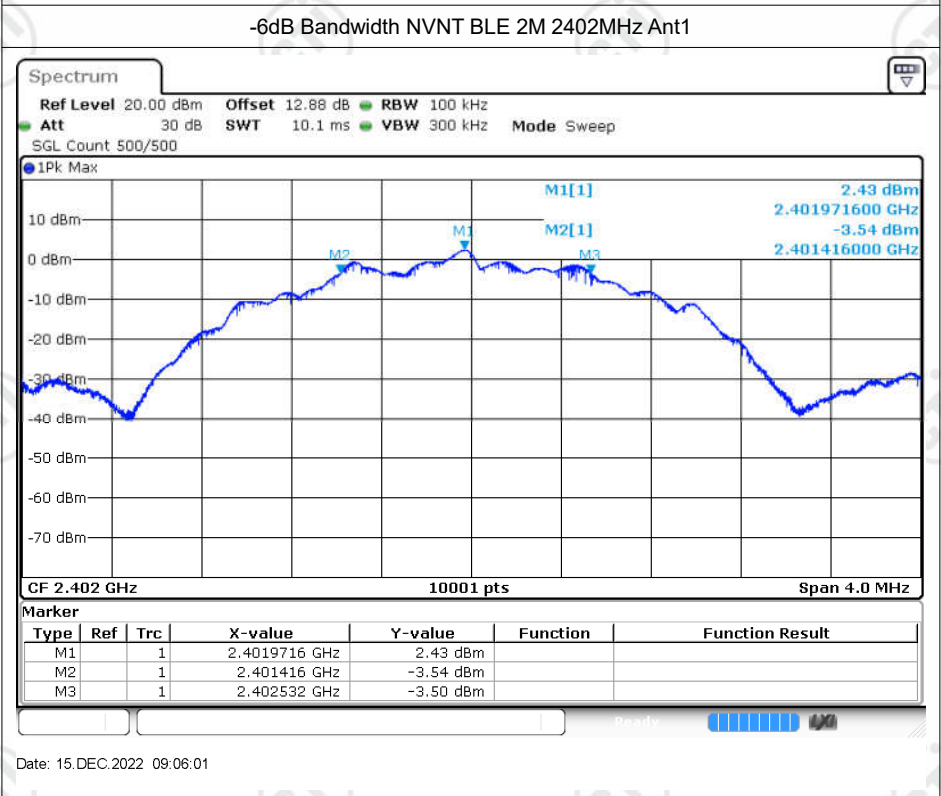
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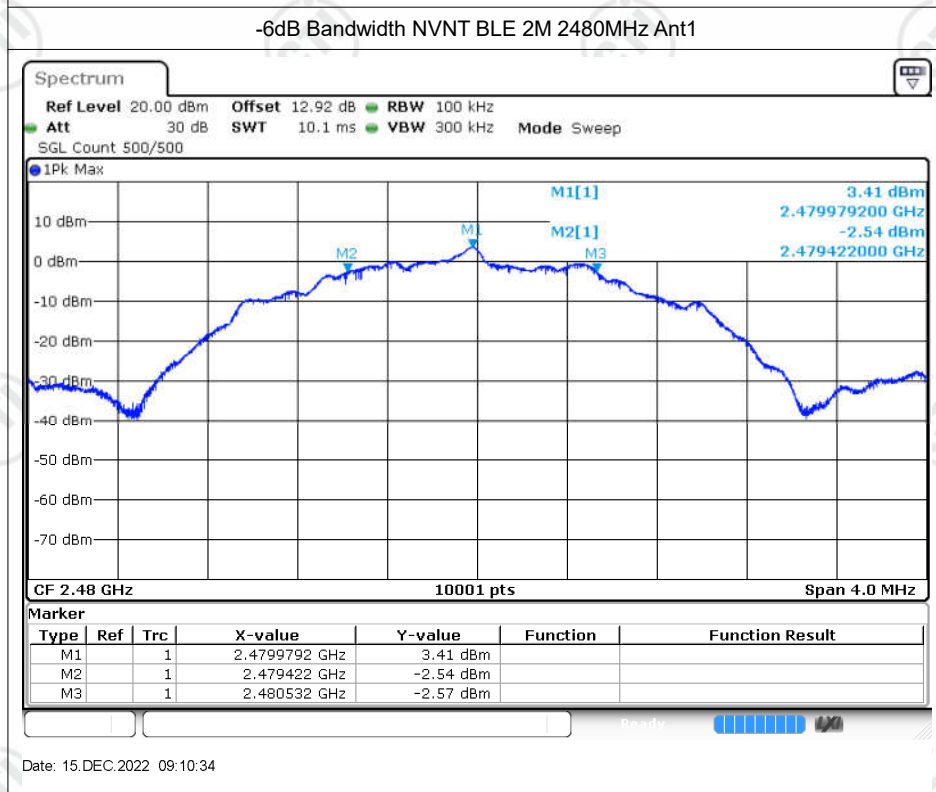
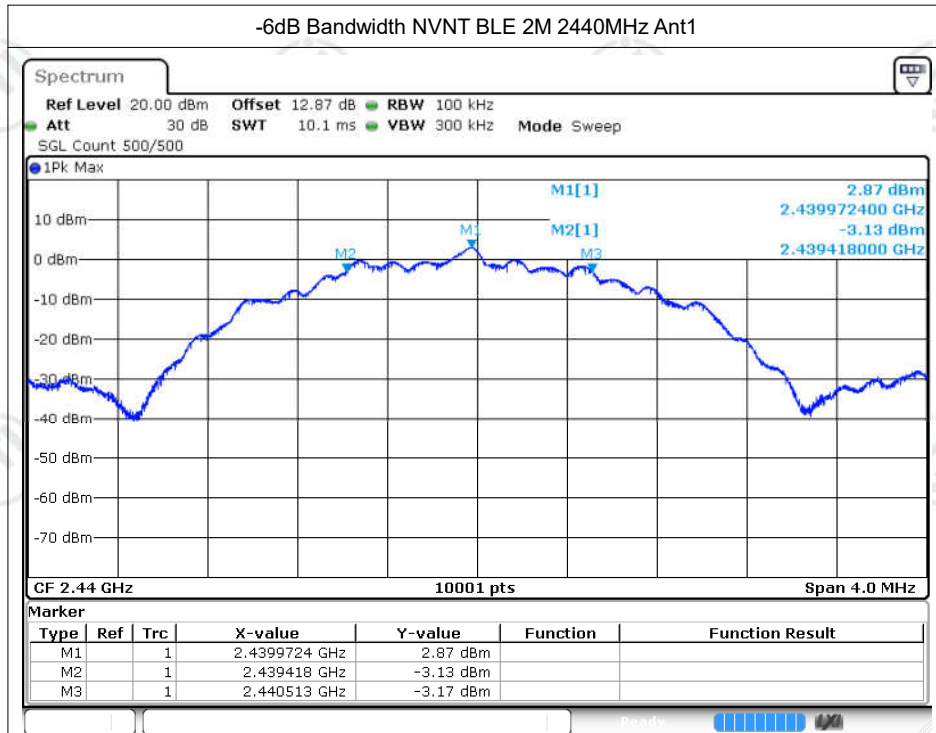
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Date: 4.JAN.2023 16:51:58

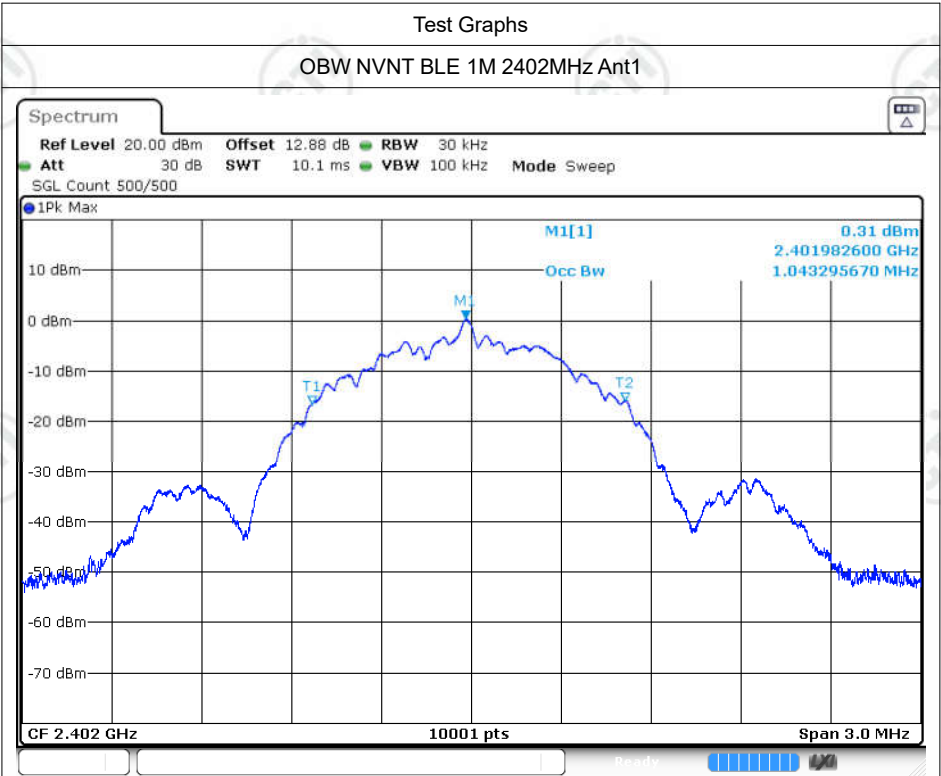


Date: 15.DEC.2022 09:06:01

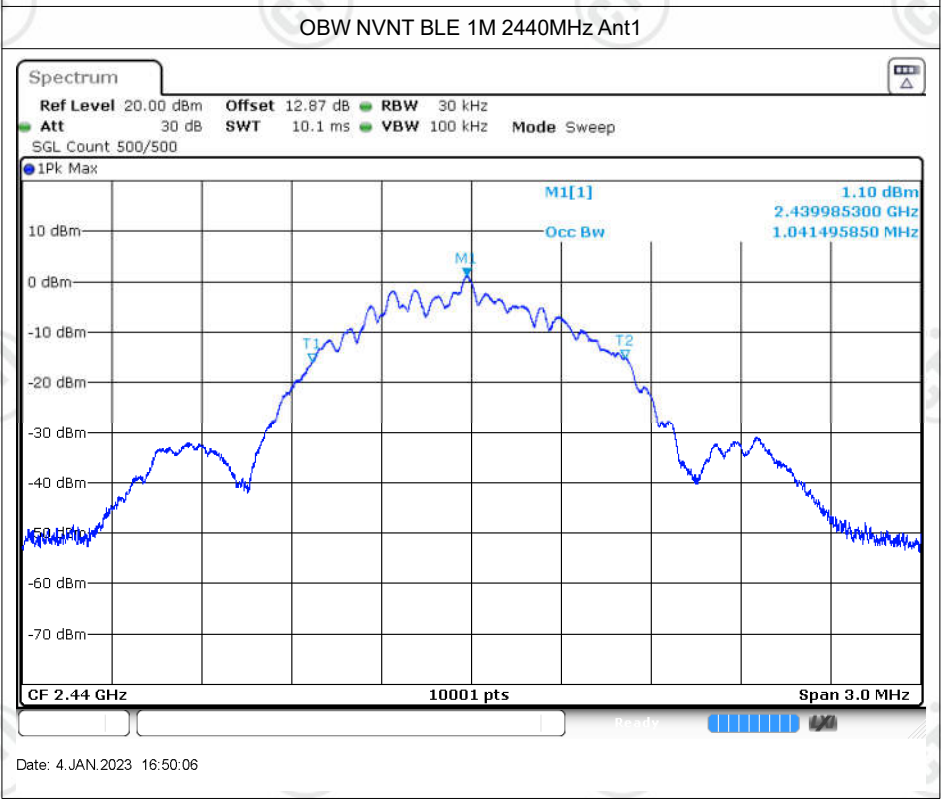


Occupied Channel Bandwidth

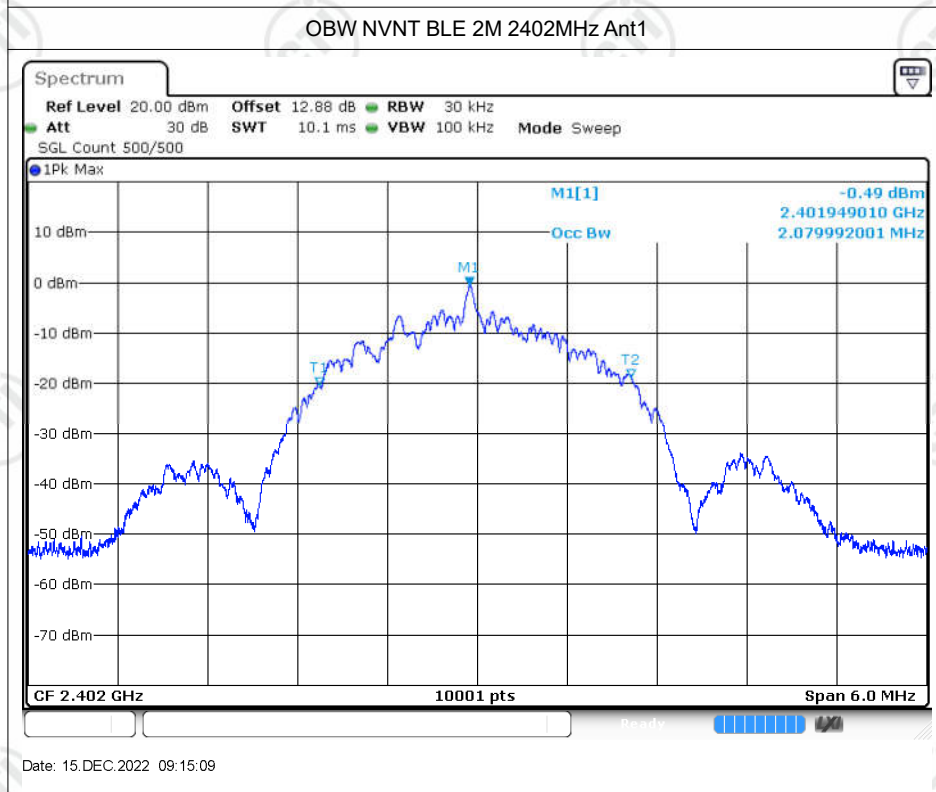
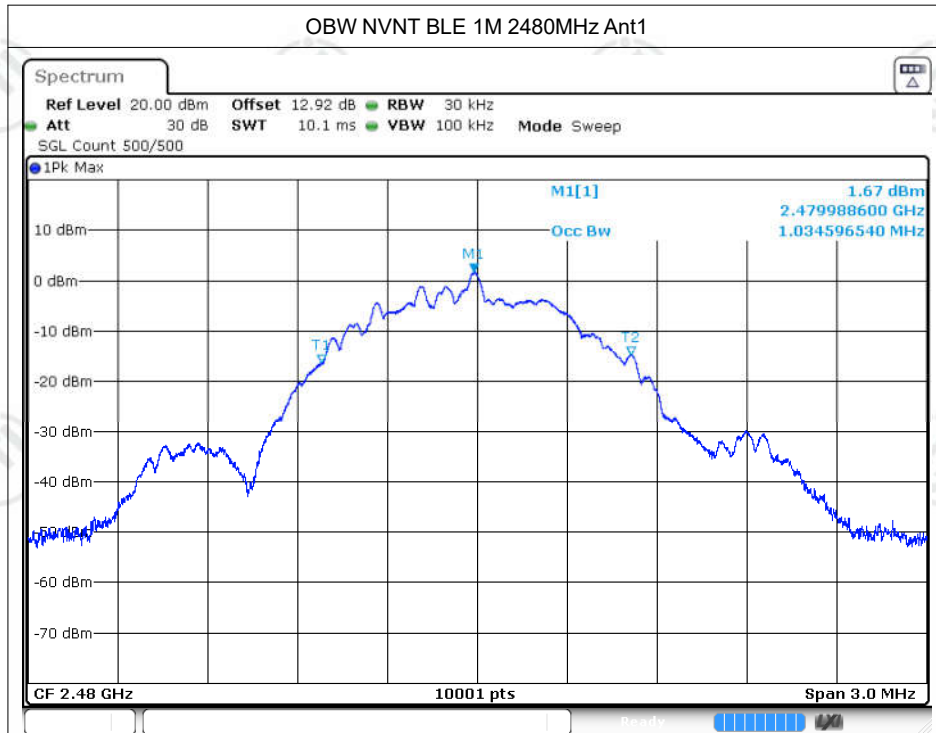
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.043
NVNT	BLE 1M	2440	Ant1	1.041
NVNT	BLE 1M	2480	Ant1	1.035
NVNT	BLE 2M	2402	Ant1	2.08
NVNT	BLE 2M	2440	Ant1	2.047
NVNT	BLE 2M	2480	Ant1	2.053

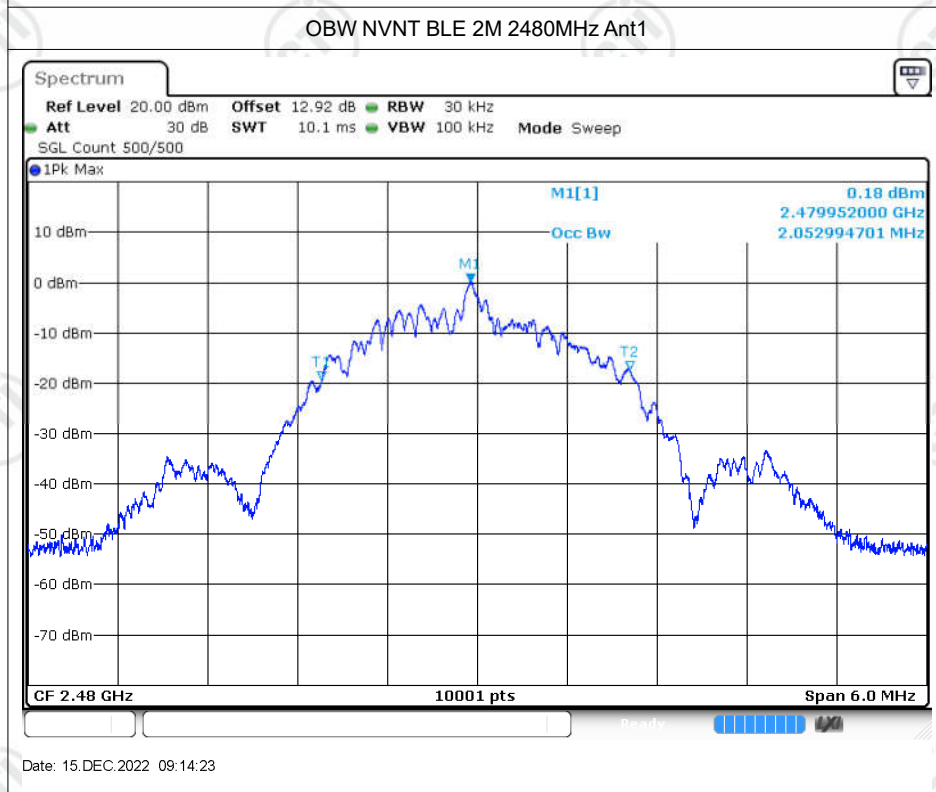
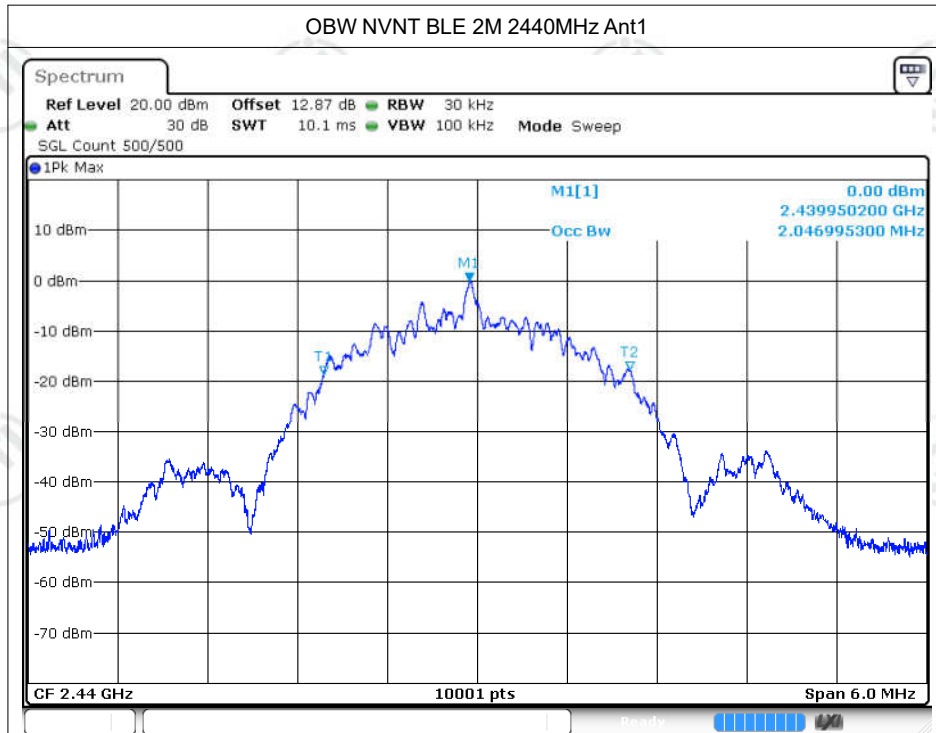


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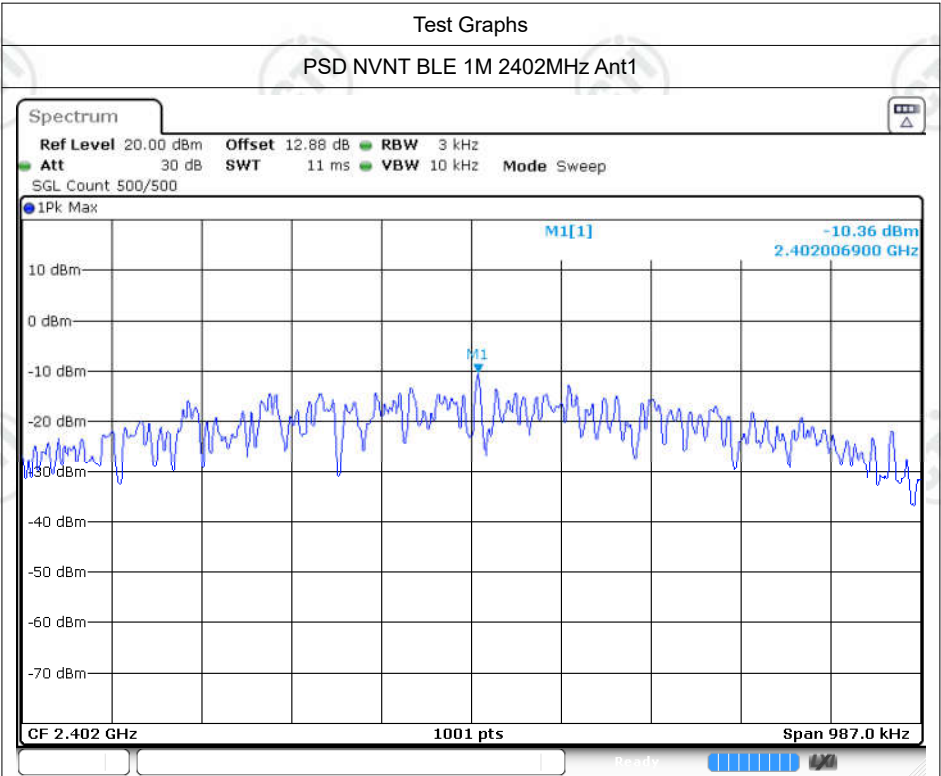
Date: 4. JAN.2023 16:50:06



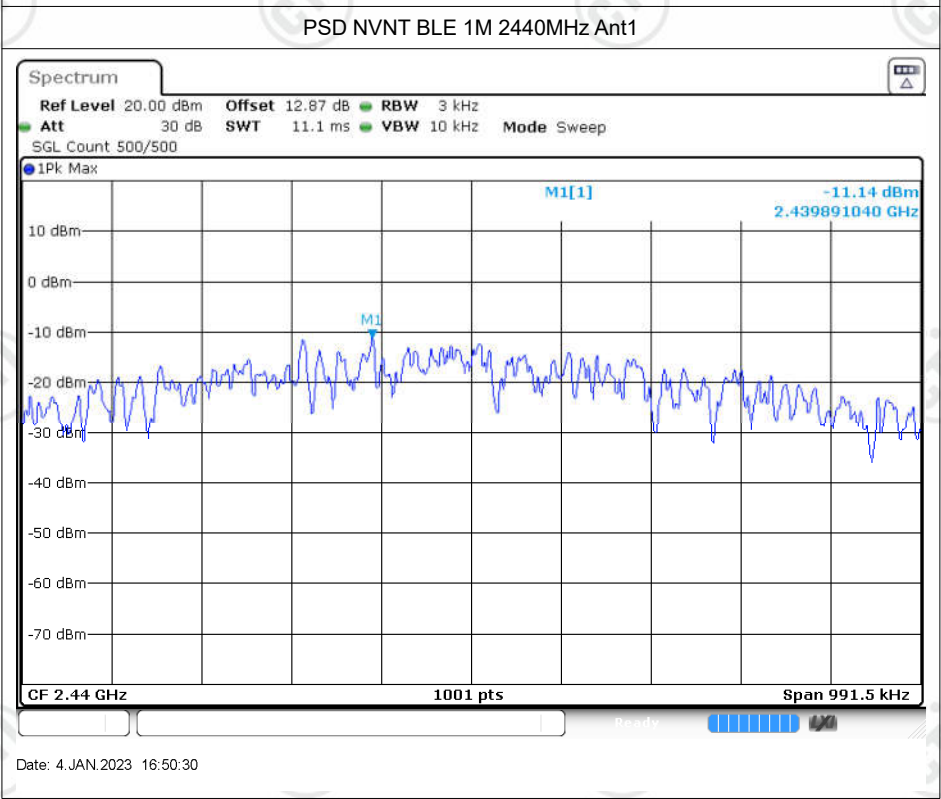


Maximum Power Spectral Density Level

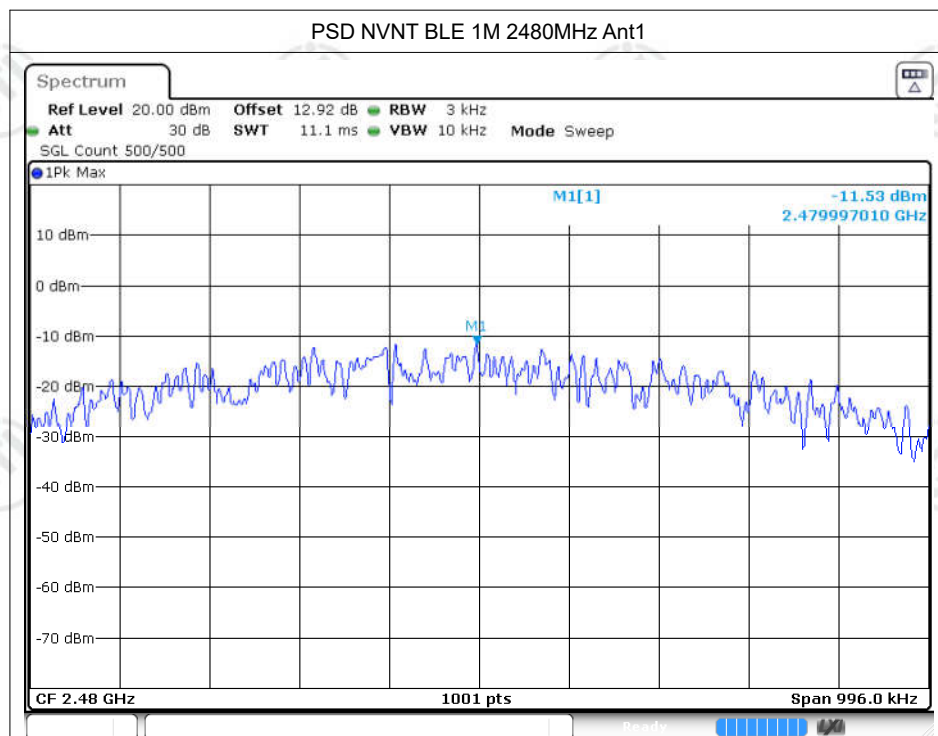
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-10.36	0	-10.36	8	Pass
NVNT	BLE 1M	2440	Ant1	-11.14	0	-11.14	8	Pass
NVNT	BLE 1M	2480	Ant1	-11.53	0	-11.53	8	Pass
NVNT	BLE 2M	2402	Ant1	-14.02	0	-14.02	8	Pass
NVNT	BLE 2M	2440	Ant1	-12.88	0	-12.88	8	Pass
NVNT	BLE 2M	2480	Ant1	-13.89	0	-13.89	8	Pass



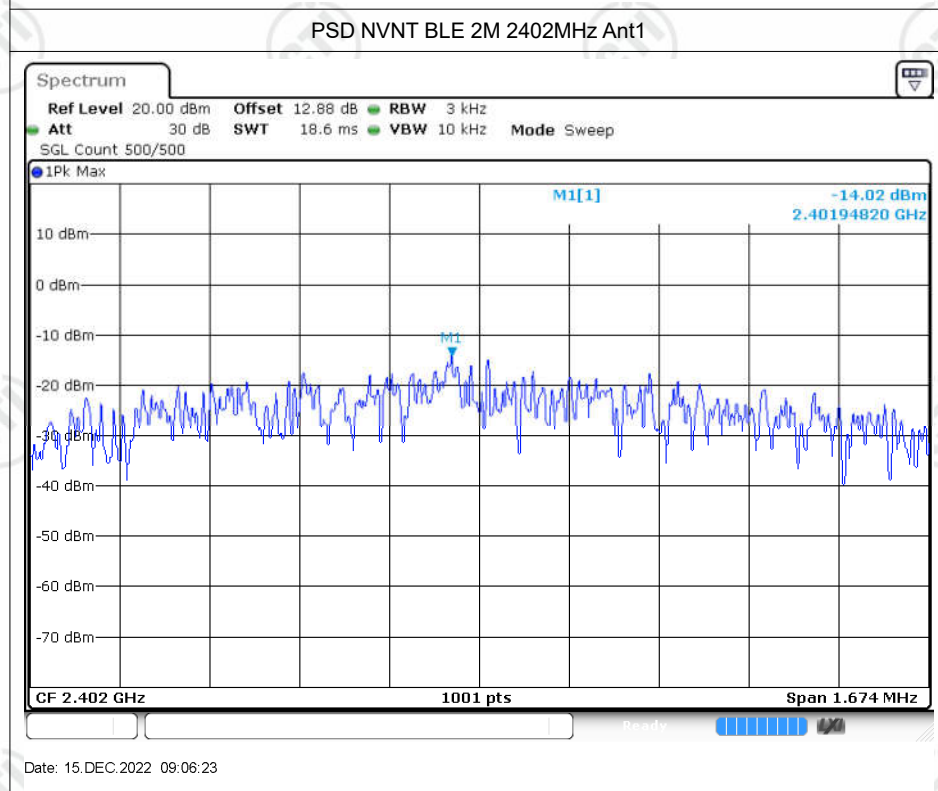
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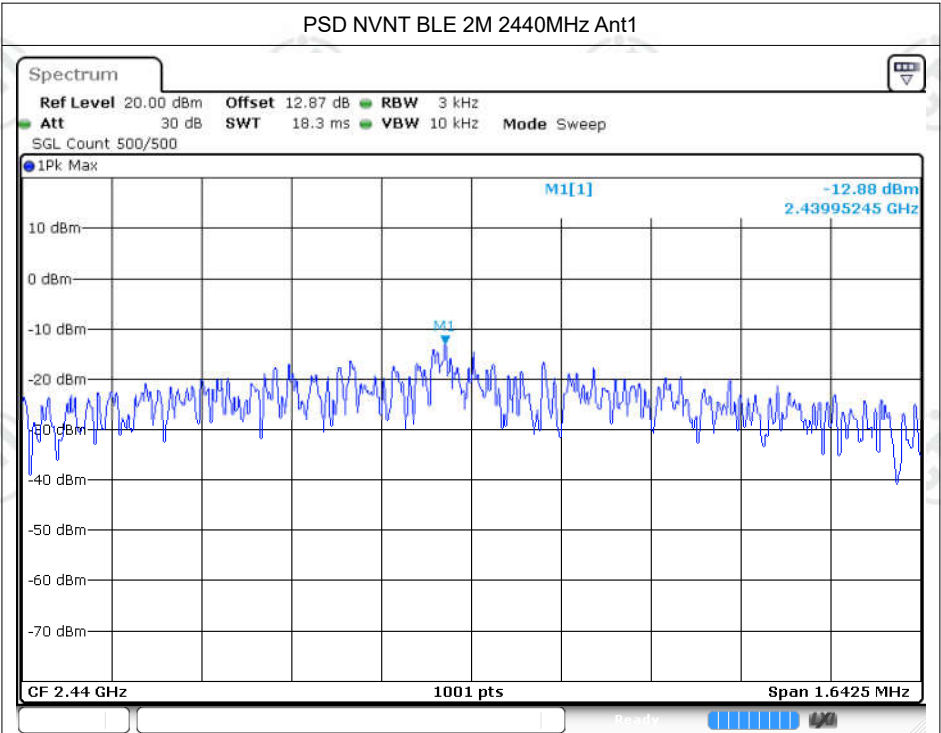
Date: 4. JAN.2023 16:50:30



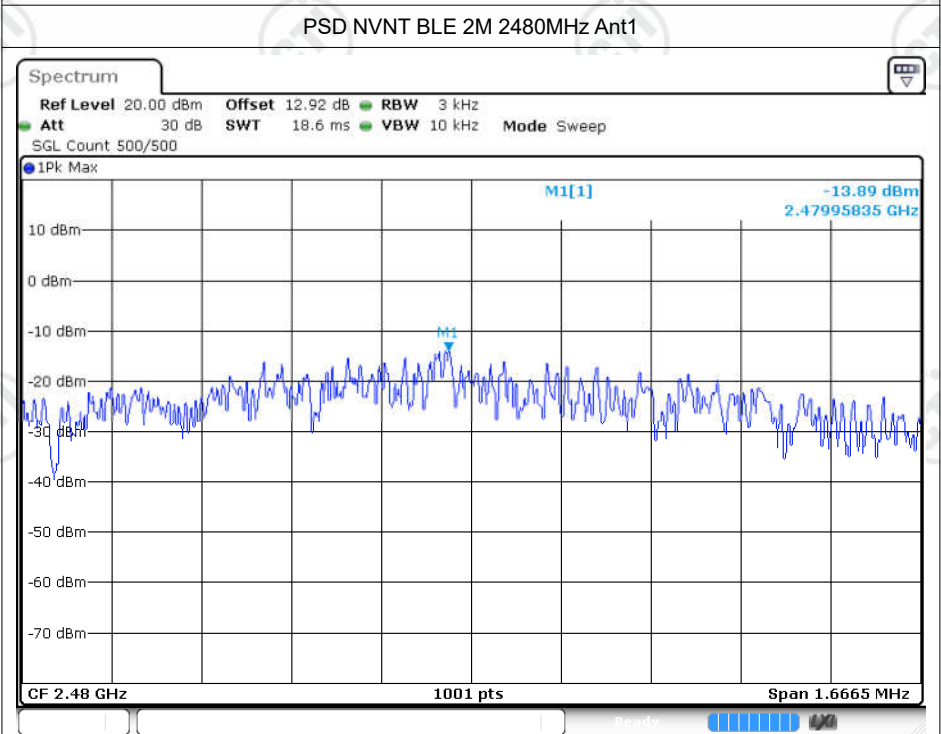
Date: 4.JAN.2023 16:52:11



Date: 15.DEC.2022 09:06:23



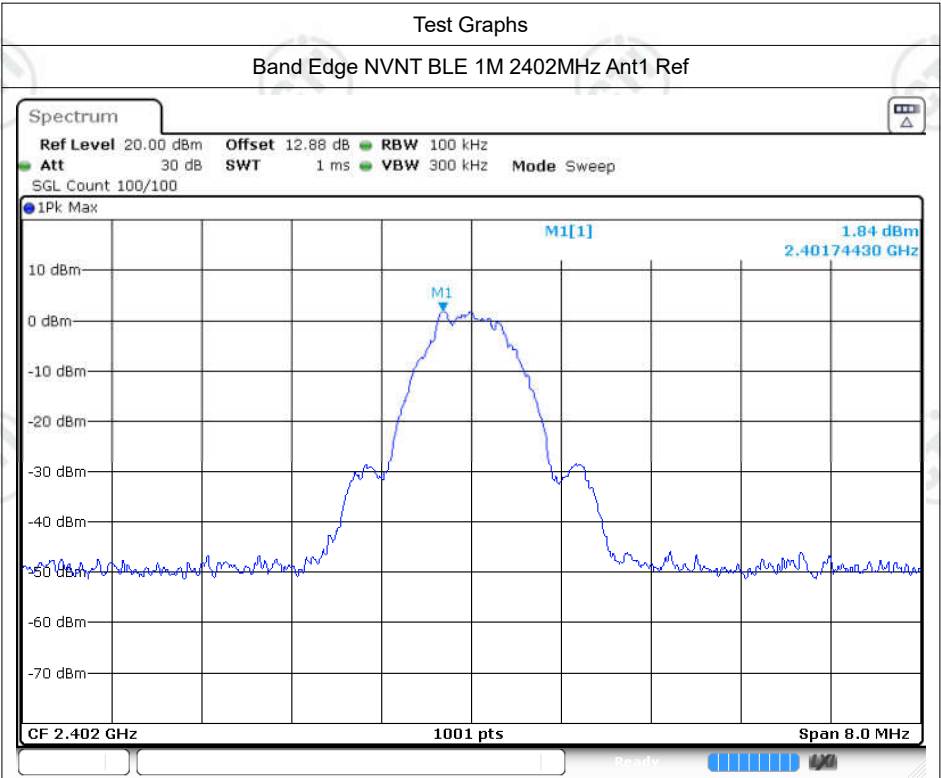
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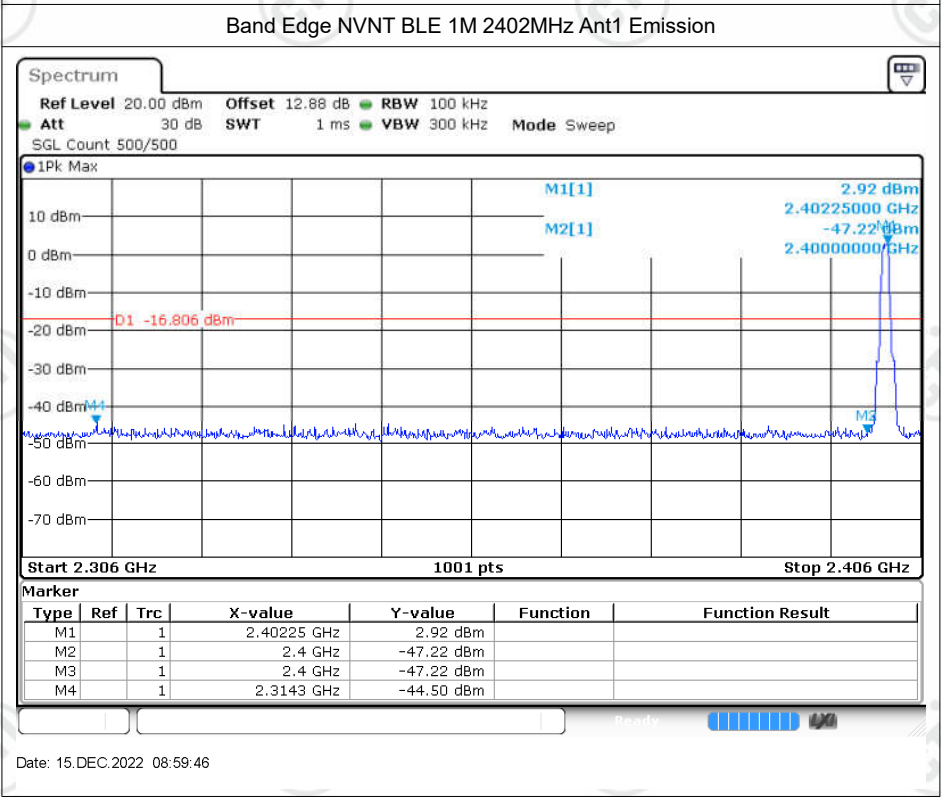
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Band Edge

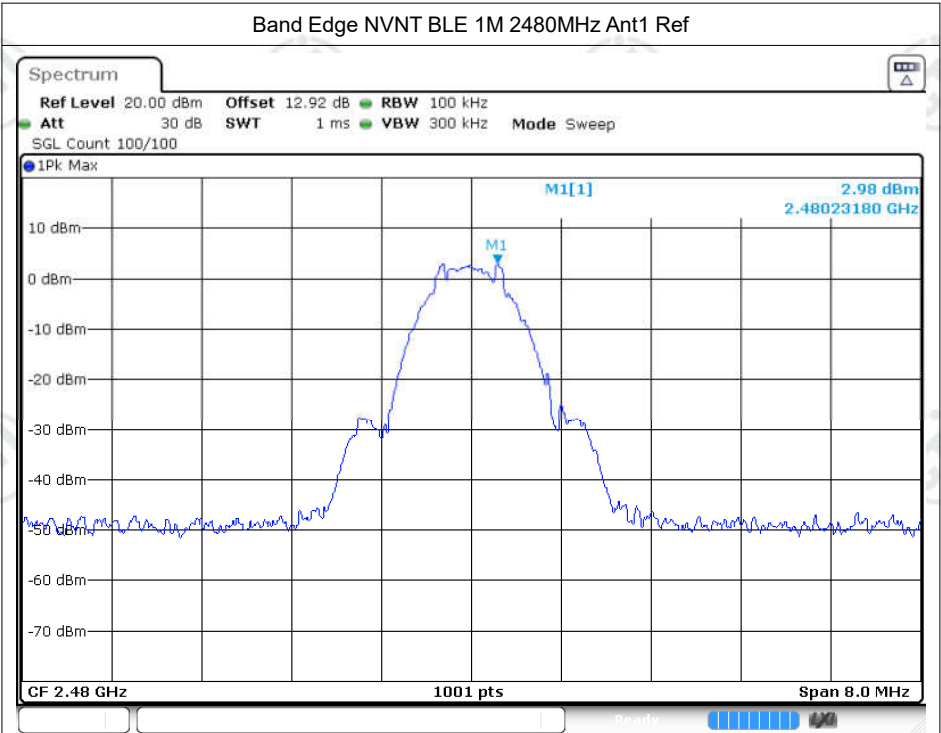
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-46.22	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.22	-20	Pass
NVNT	BLE 2M	2402	Ant1	-32.08	-20	Pass
NVNT	BLE 2M	2480	Ant1	-48.43	-20	Pass



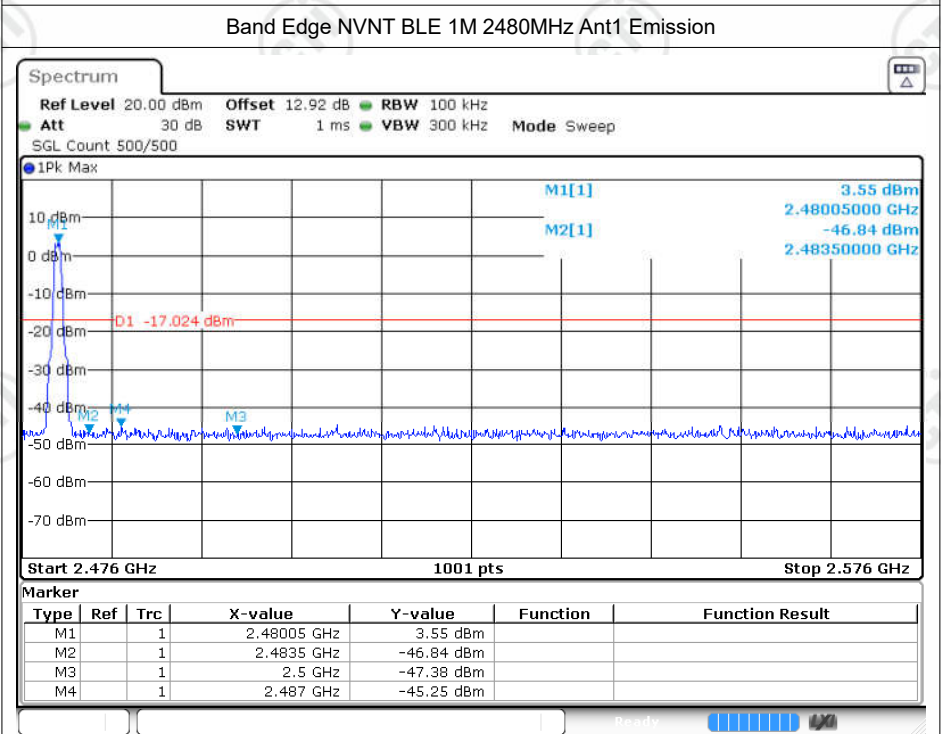
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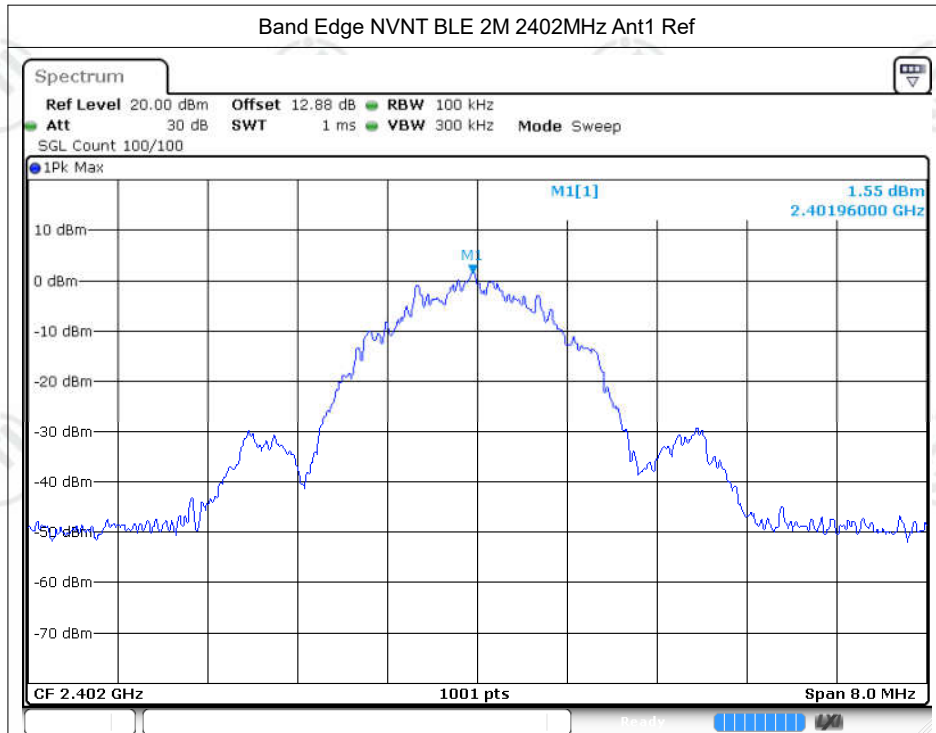
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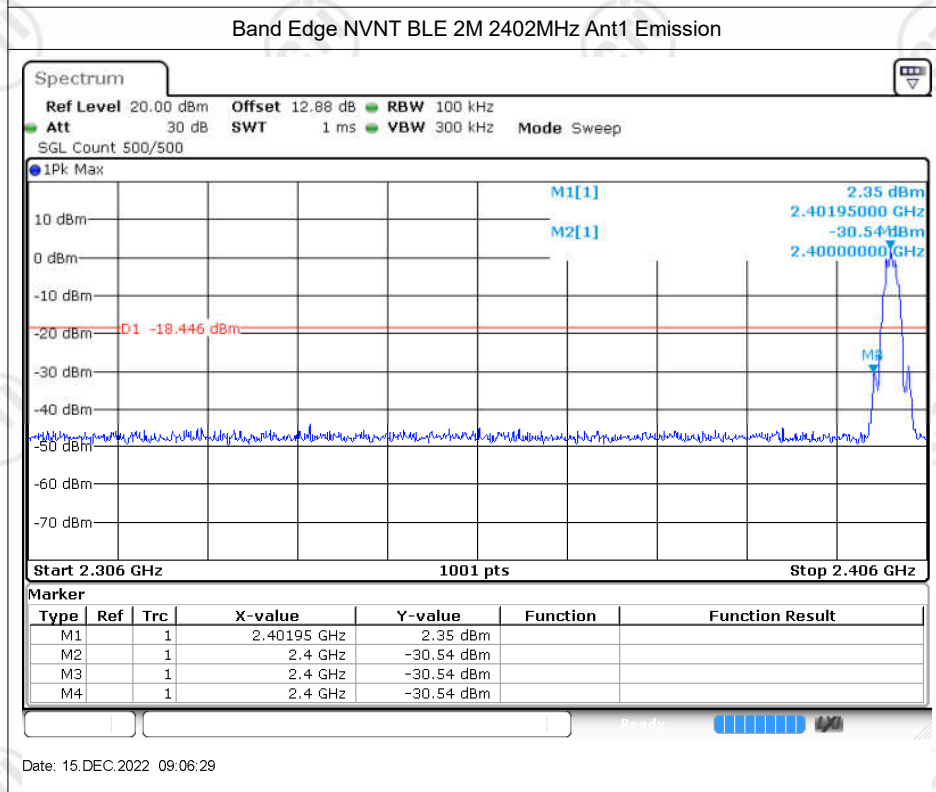
Date: 4.JAN.2023 16:52:14



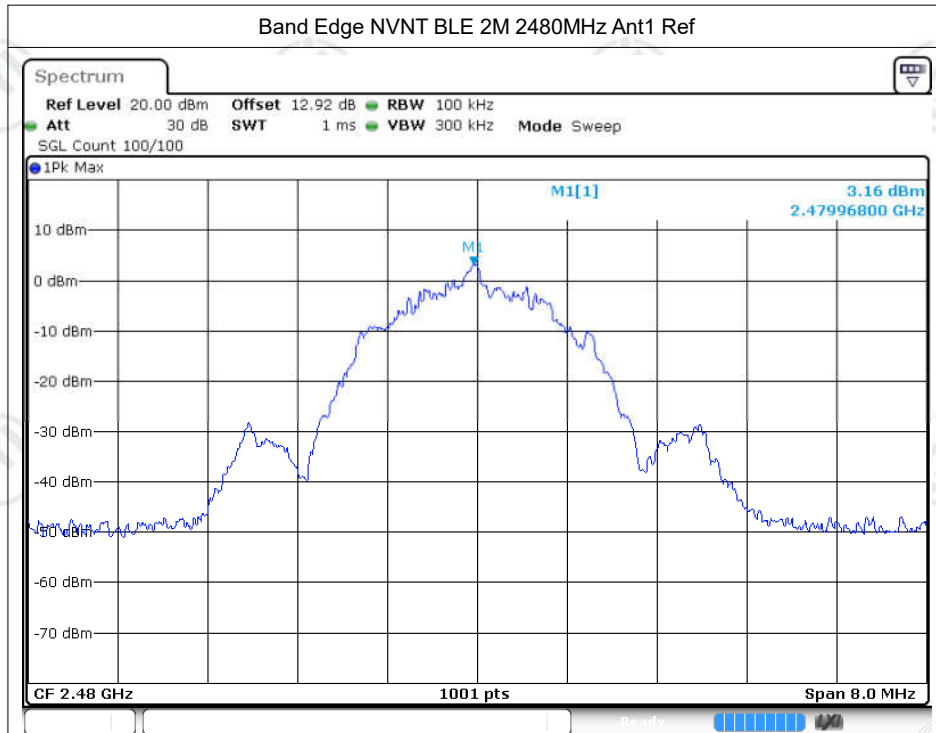
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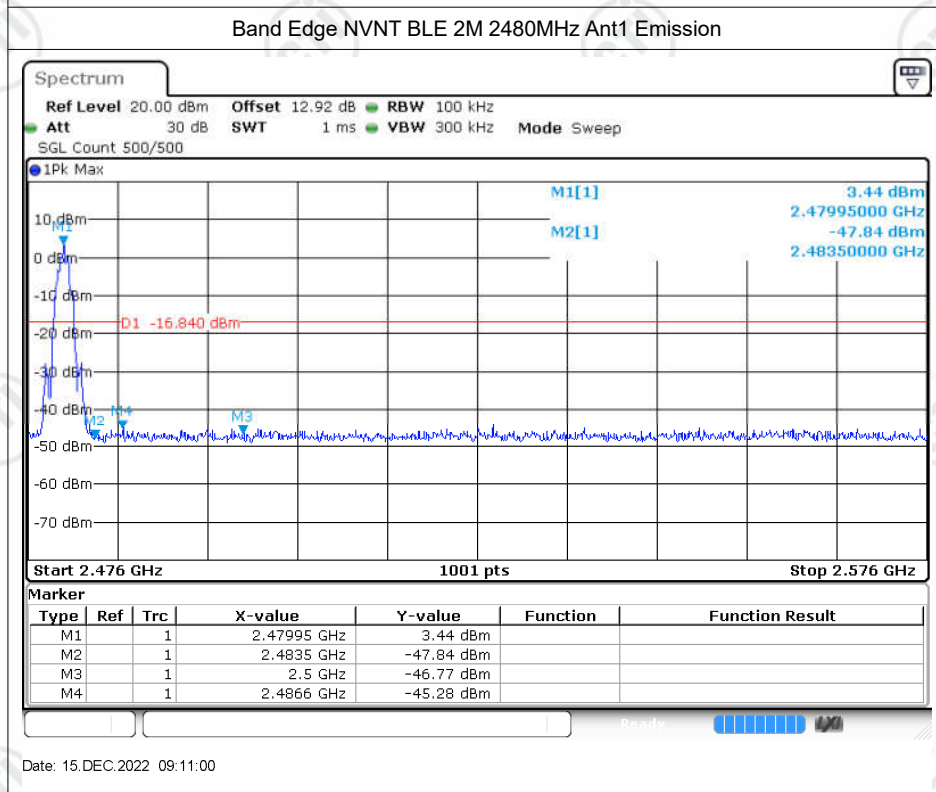
Date: 15.DEC.2022 09:06:25



Date: 15.DEC.2022 09:06:29



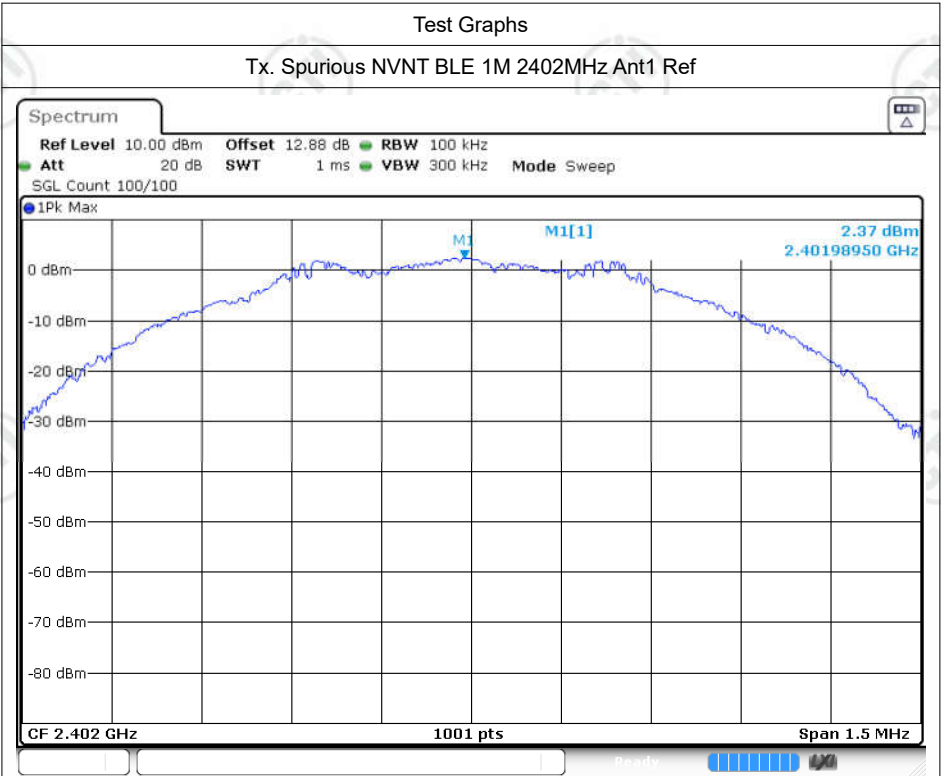
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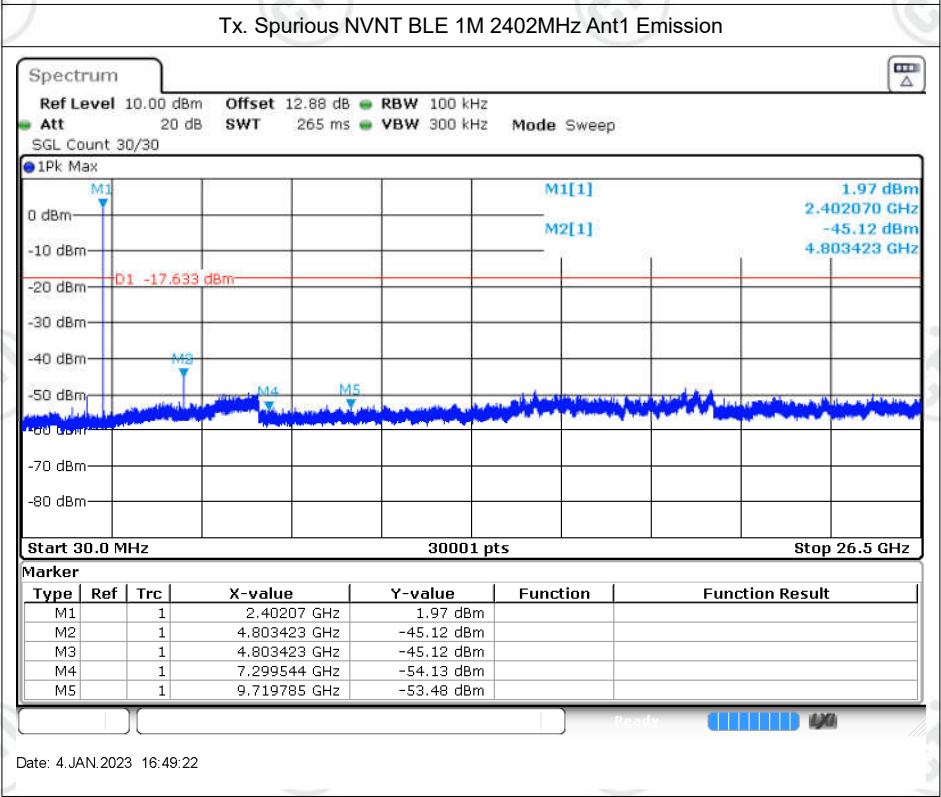
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Conducted RF Spurious Emission

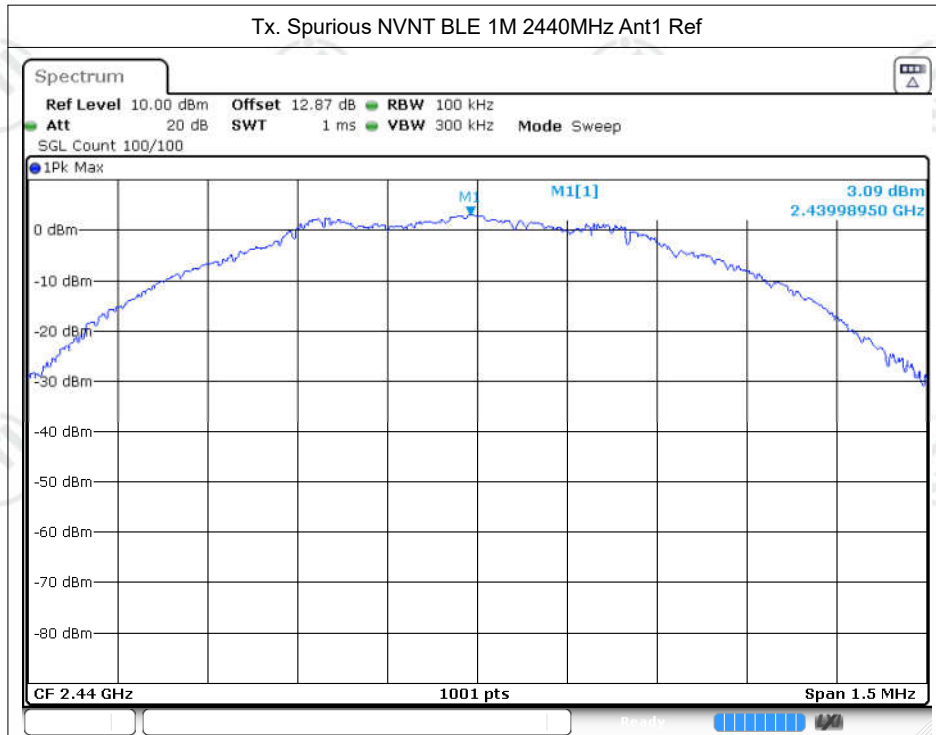
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.48	-20	Pass
NVNT	BLE 1M	2440	Ant1	-48.29	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.12	-20	Pass
NVNT	BLE 2M	2402	Ant1	-45.32	-20	Pass
NVNT	BLE 2M	2440	Ant1	-44.8	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.36	-20	Pass



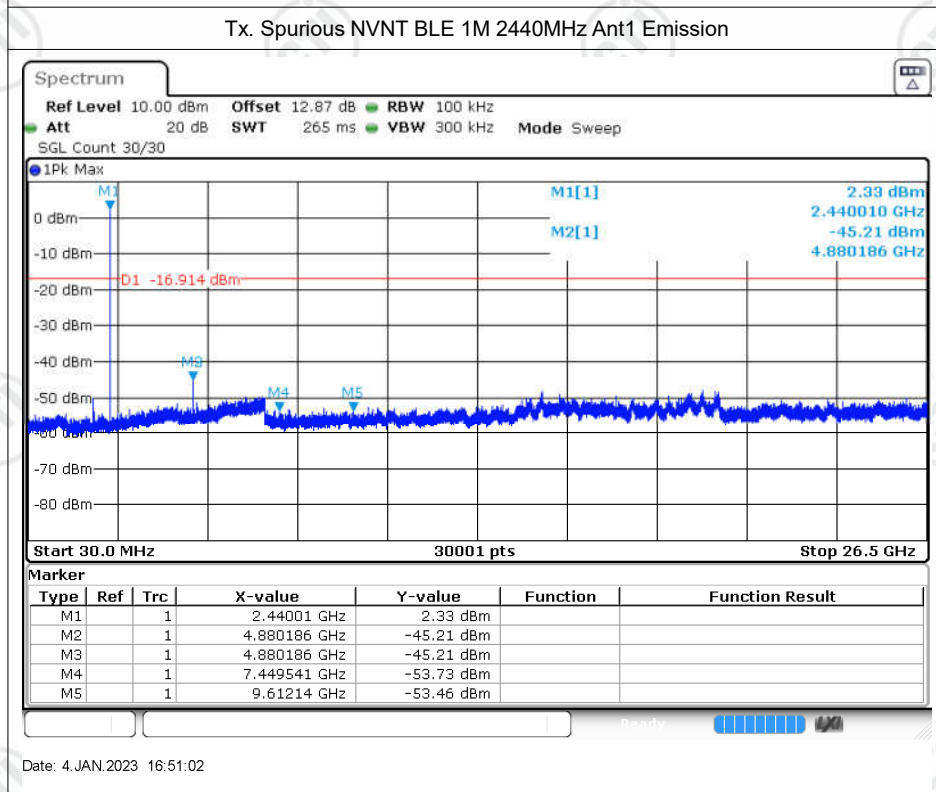
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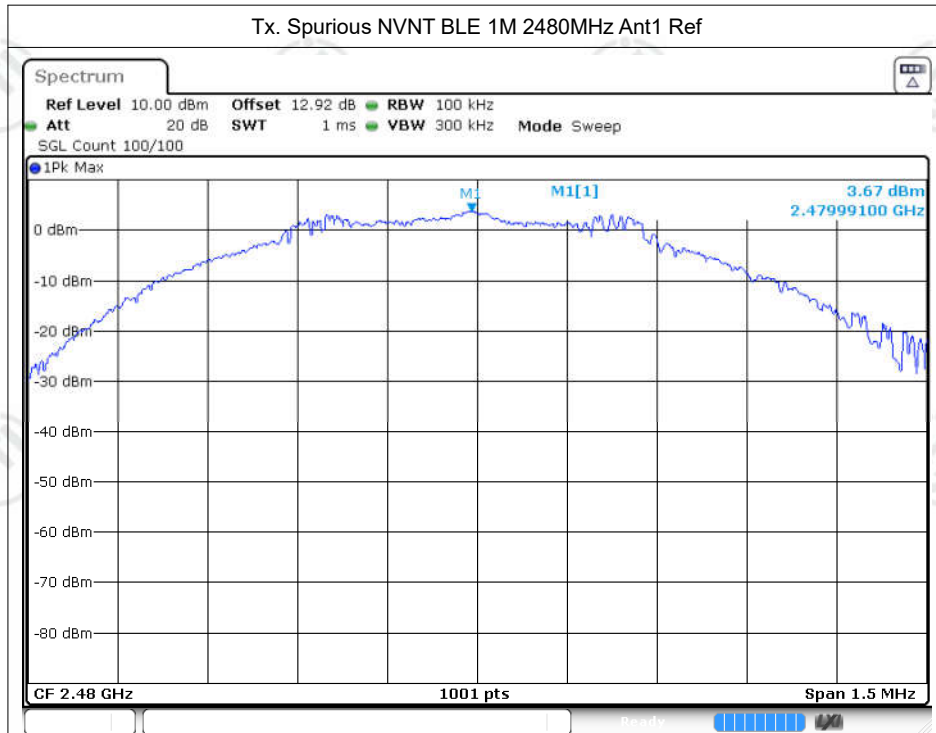
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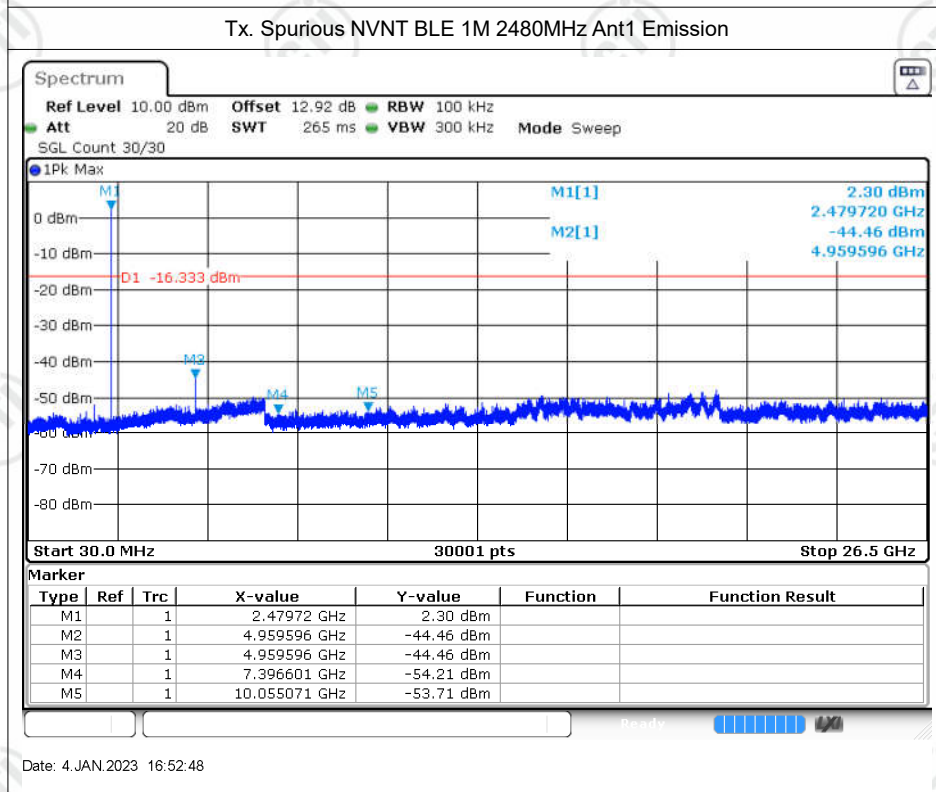
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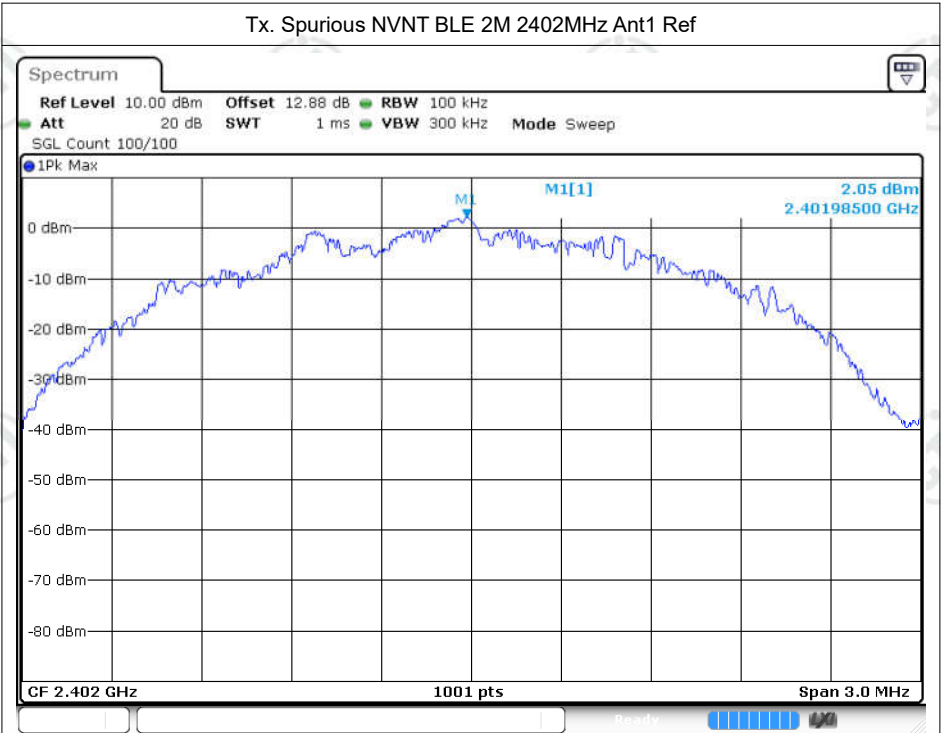
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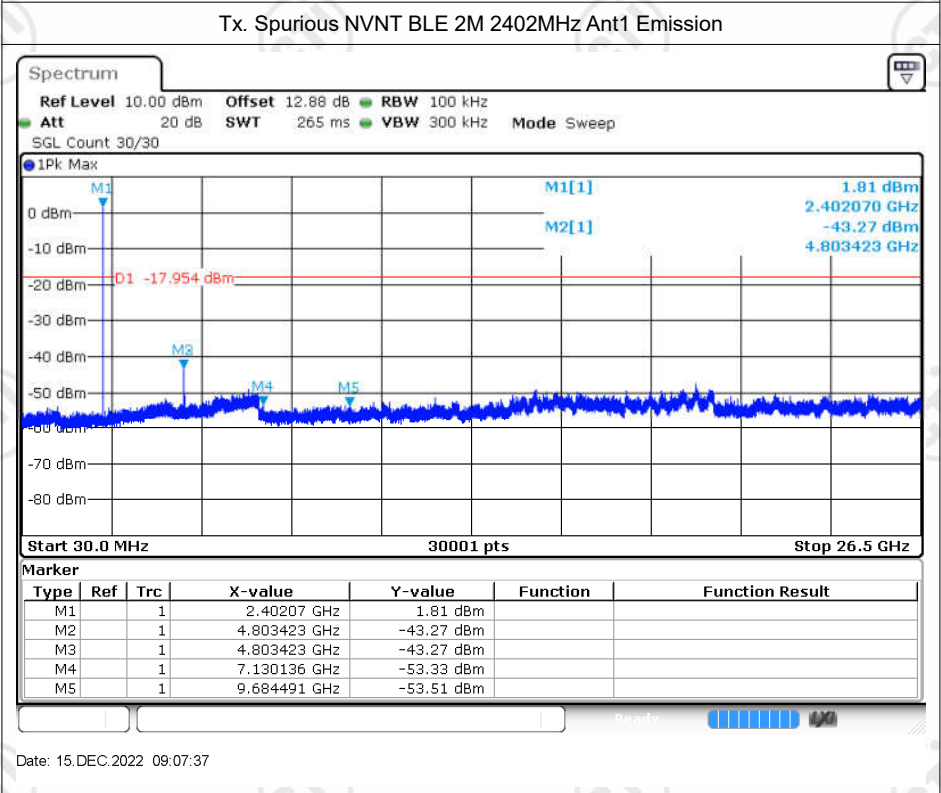
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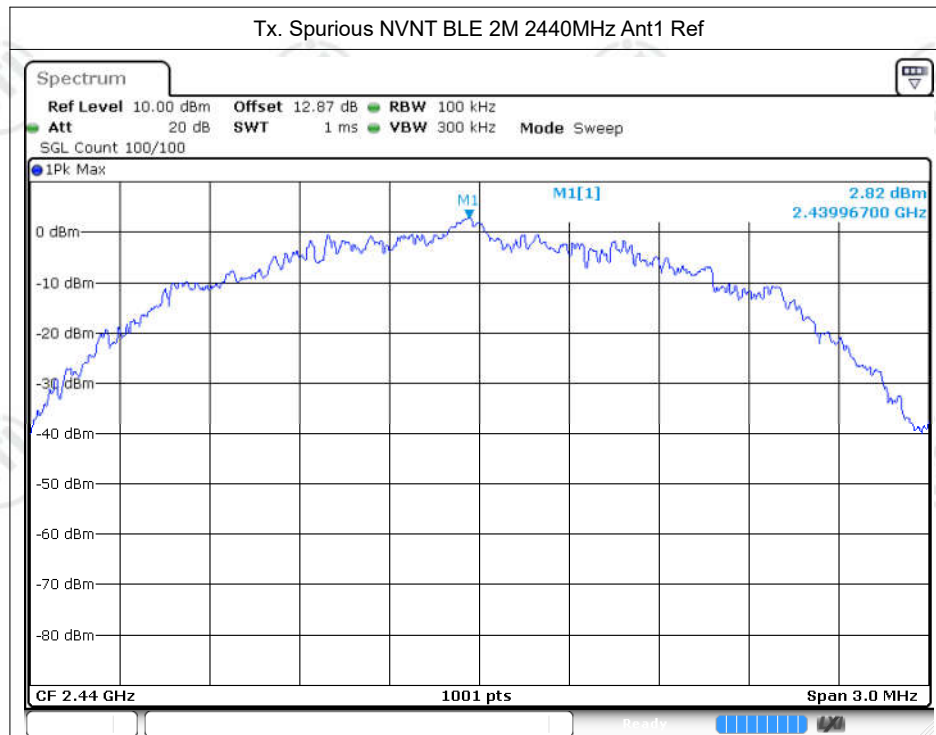
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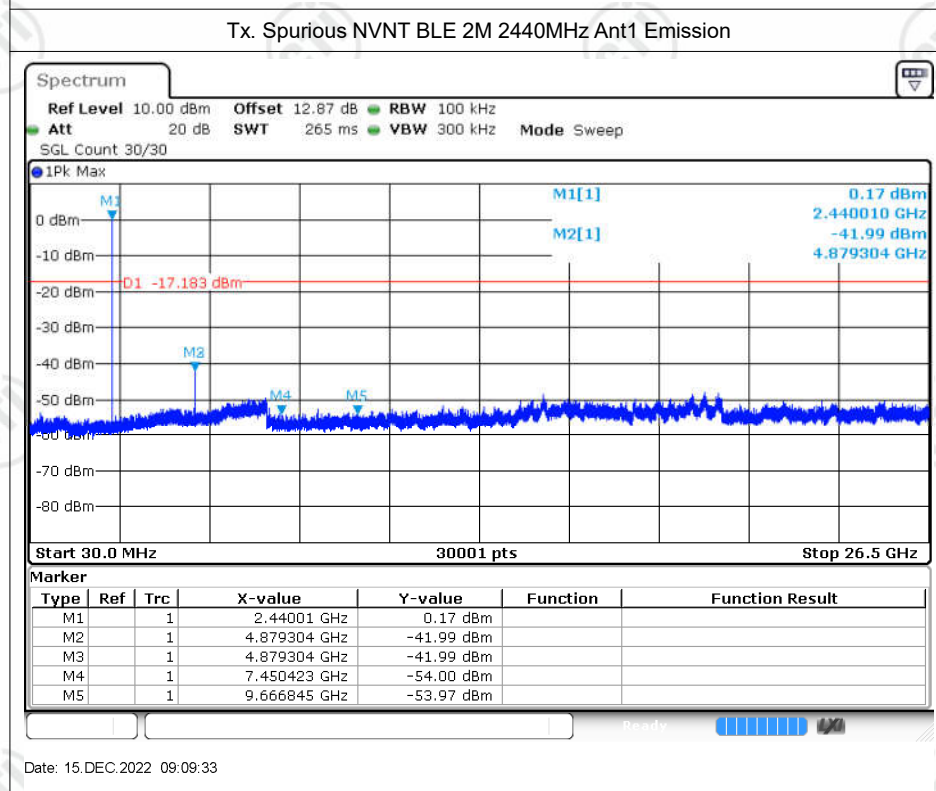
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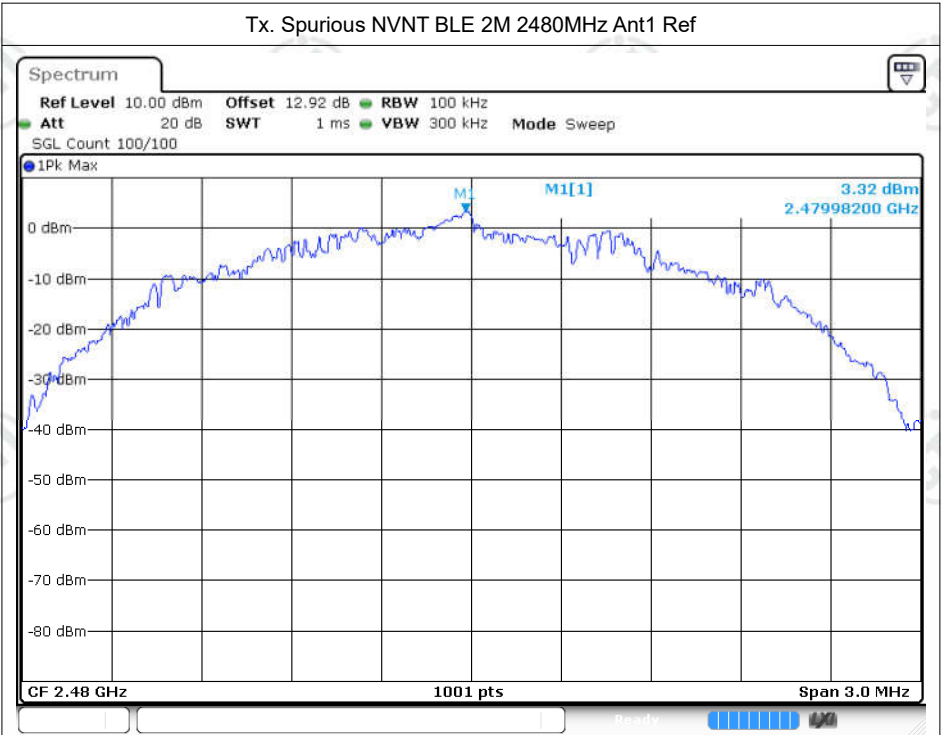
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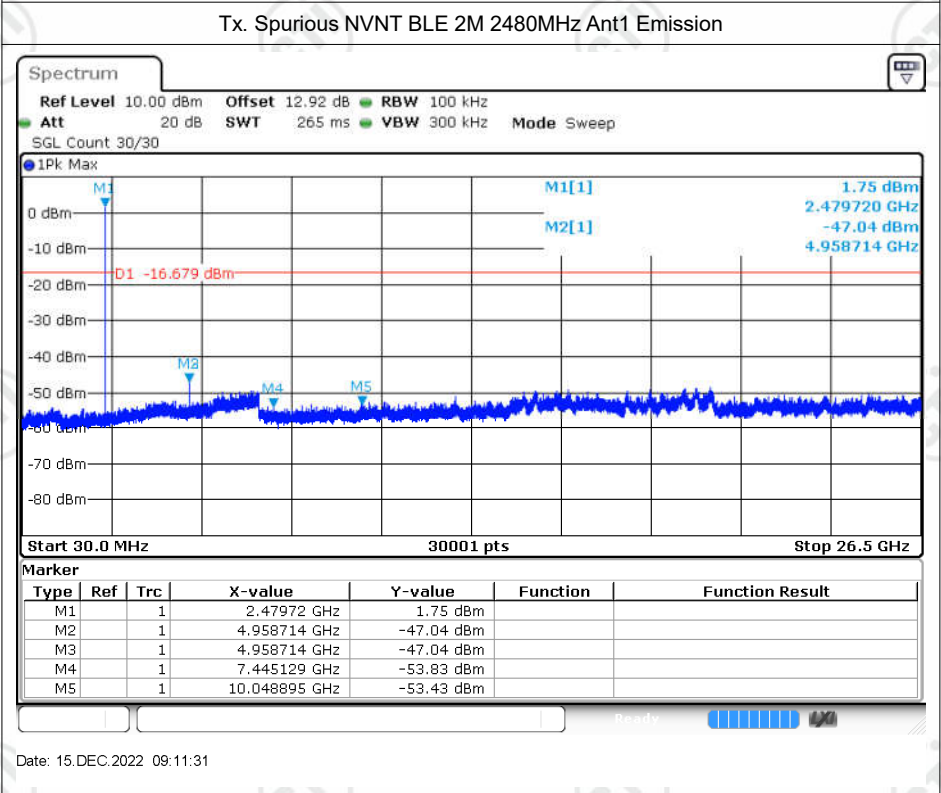
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Date: 15.DEC.2022 09:09:33



Date: 15.DEC.2022 09:11:03



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*** End of Report ***