

Appendix: Bluetooth LE

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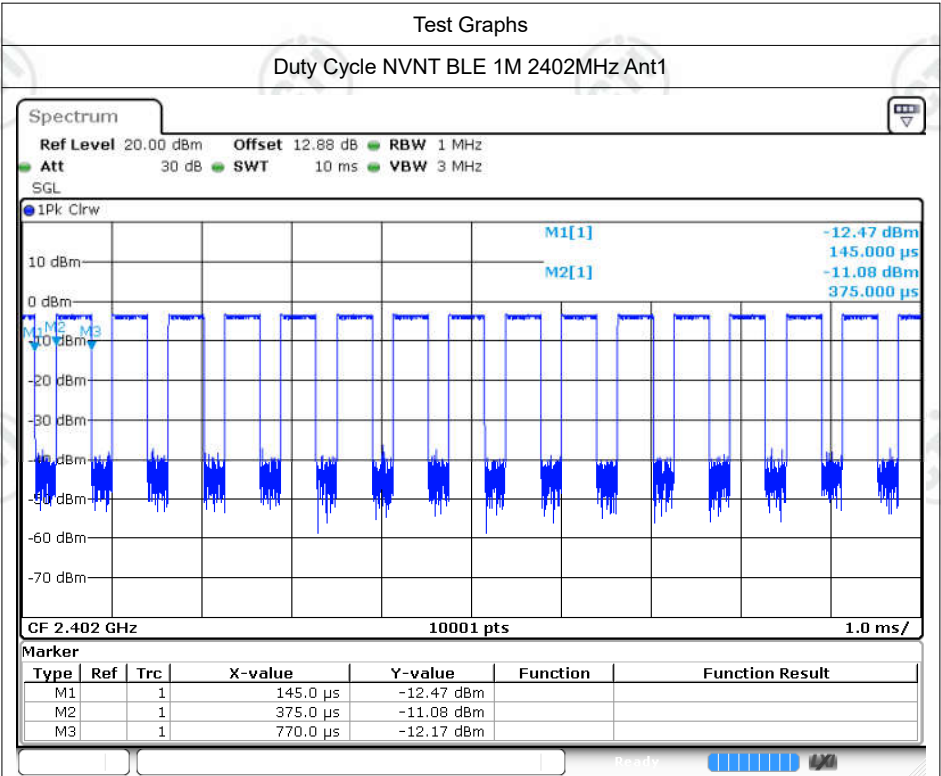
Maximum Power Spectral Density Level 19

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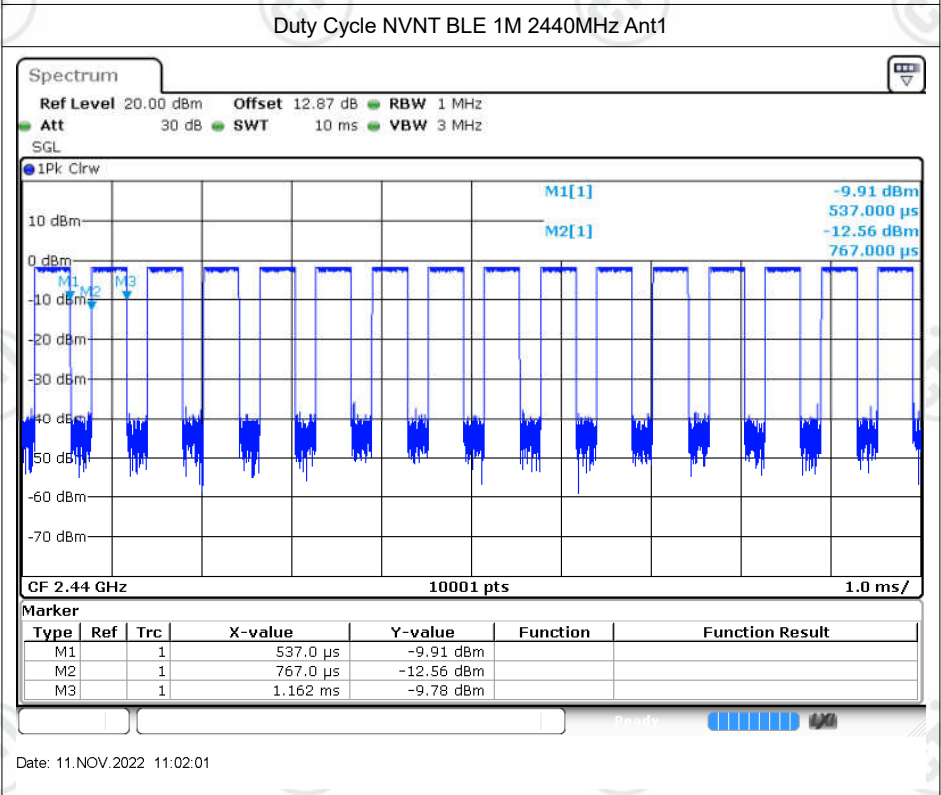
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Duty Cycle

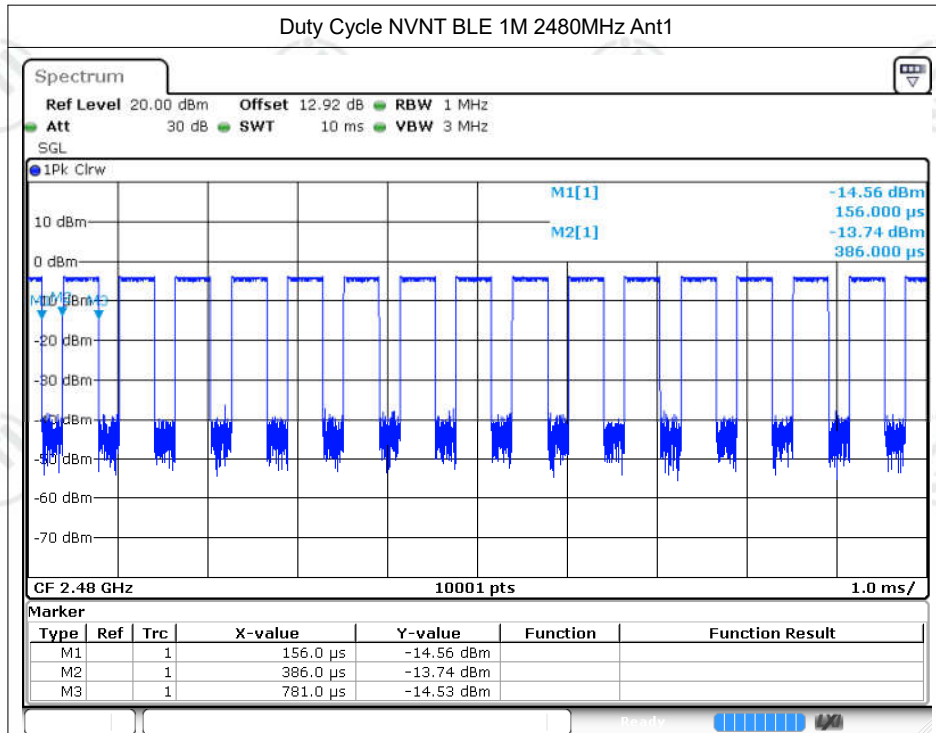
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.2	1.99	2.53
NVNT	BLE 1M	2440	Ant1	63.2	1.99	2.53
NVNT	BLE 1M	2480	Ant1	63.2	1.99	2.53
NVNT	BLE 2M	2402	Ant1	33.52	4.75	4.77
NVNT	BLE 2M	2440	Ant1	33.44	4.76	4.78
NVNT	BLE 2M	2480	Ant1	33.52	4.75	4.77



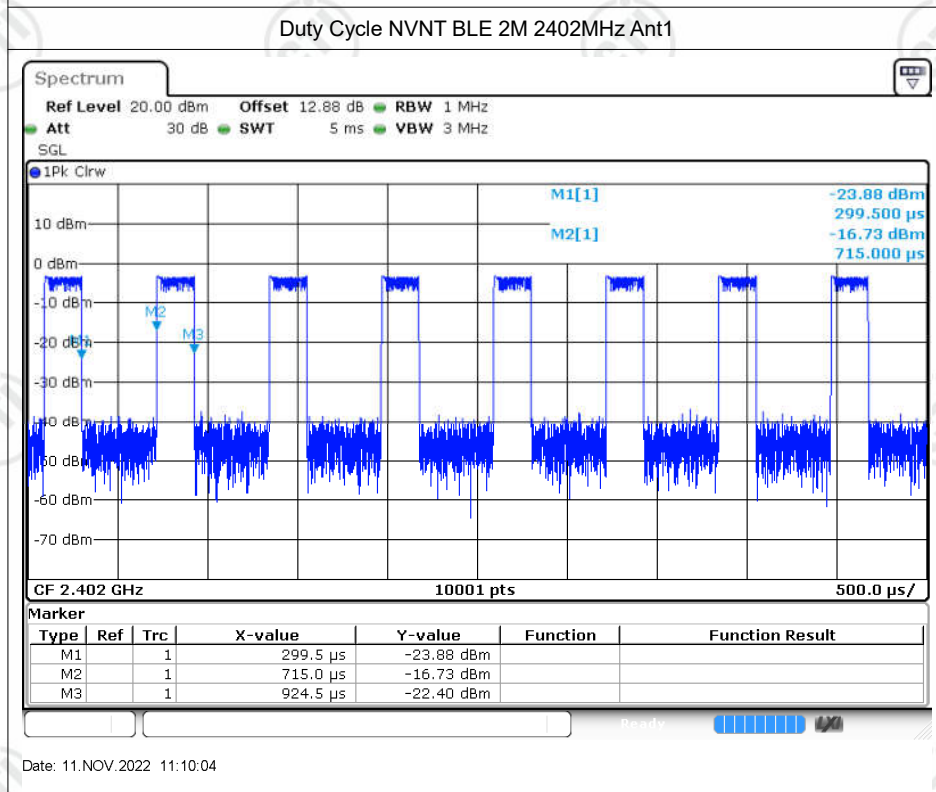
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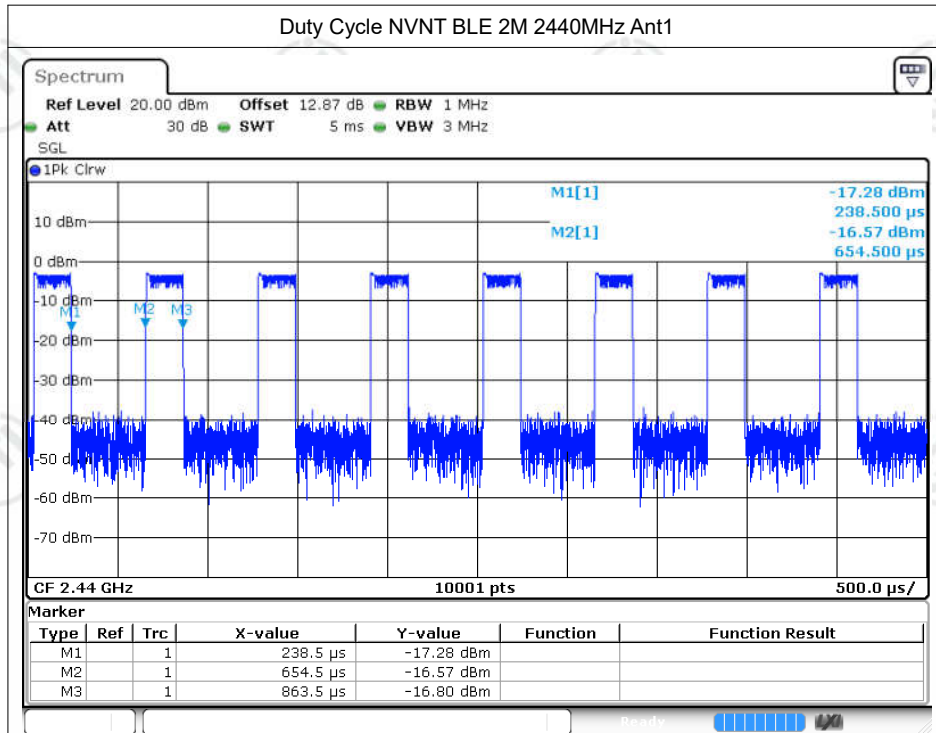
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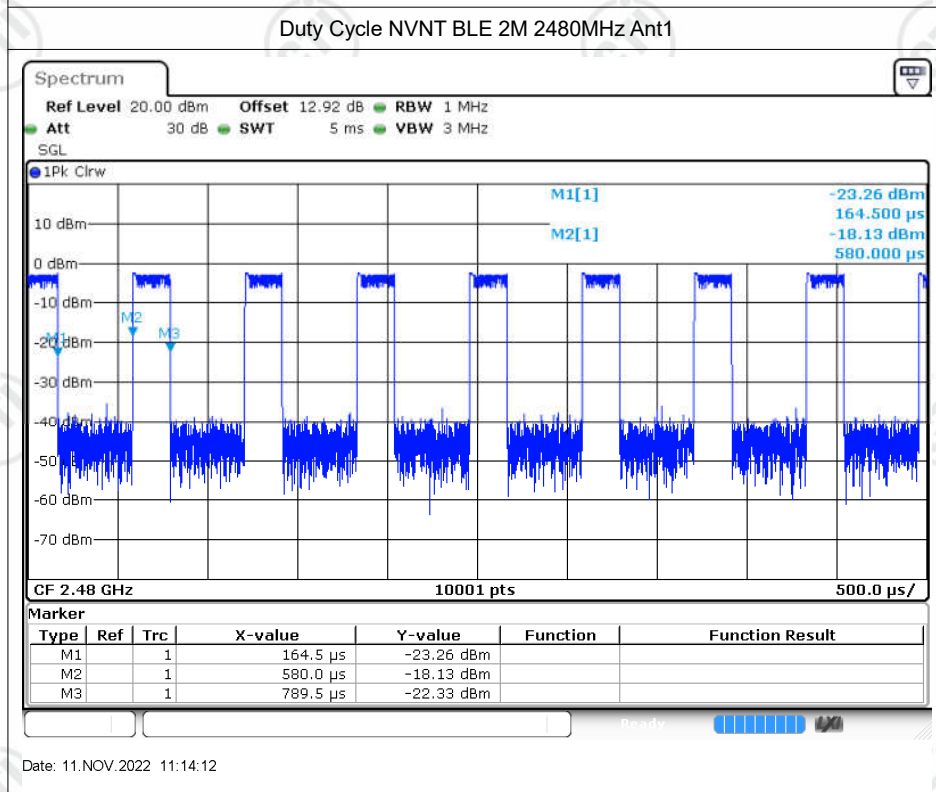
Date: 11.NOV.2022 11:05:58



Date: 11.NOV.2022 11:10:04



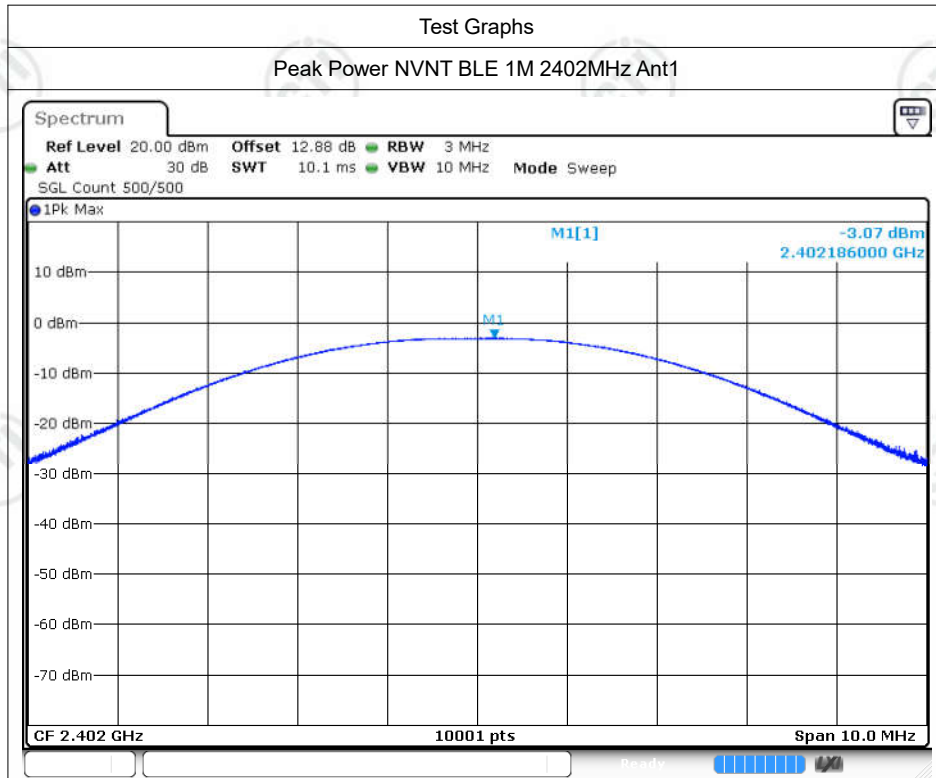
Date: 11.NOV.2022 11:12:13



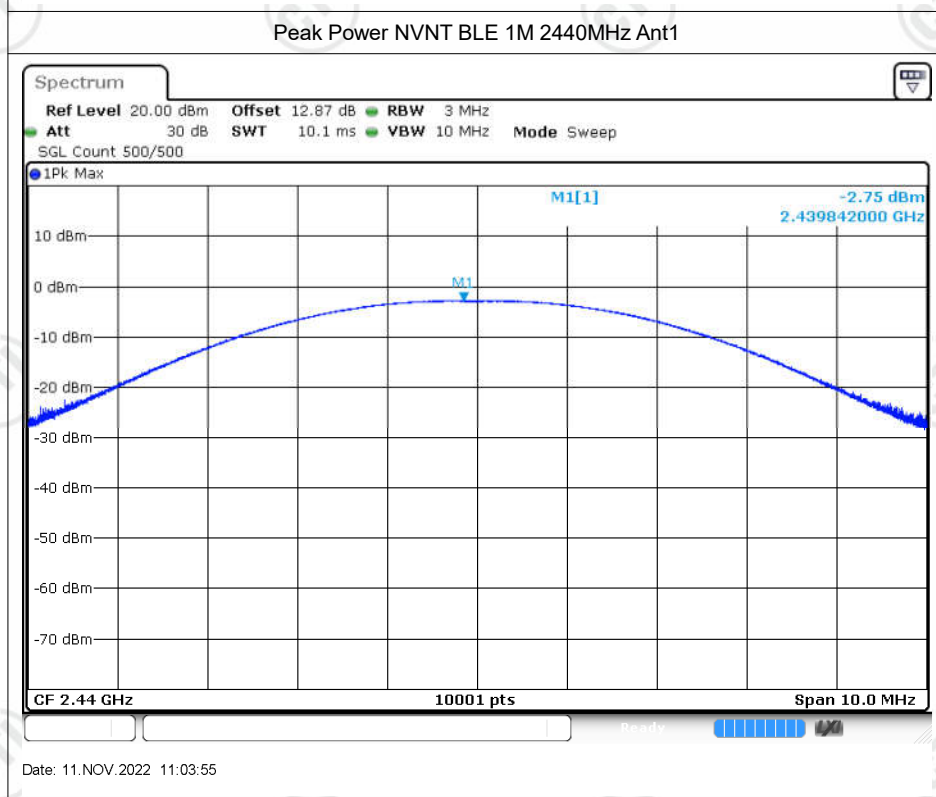
Date: 11.NOV.2022 11:14:12

Maximum Peak Conducted Output Power

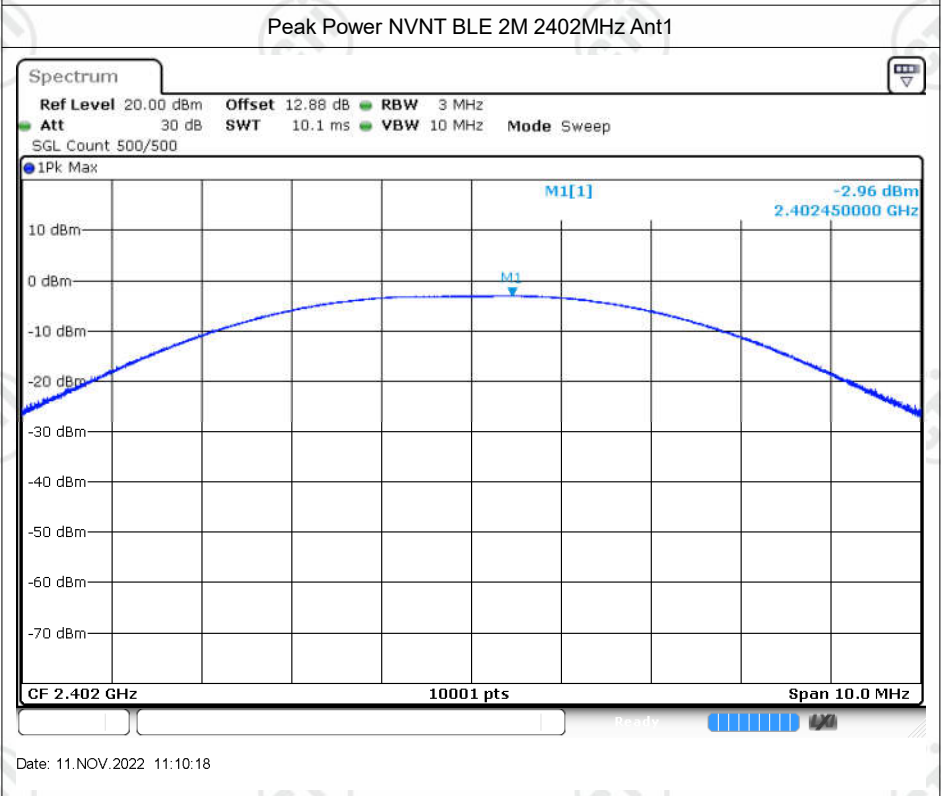
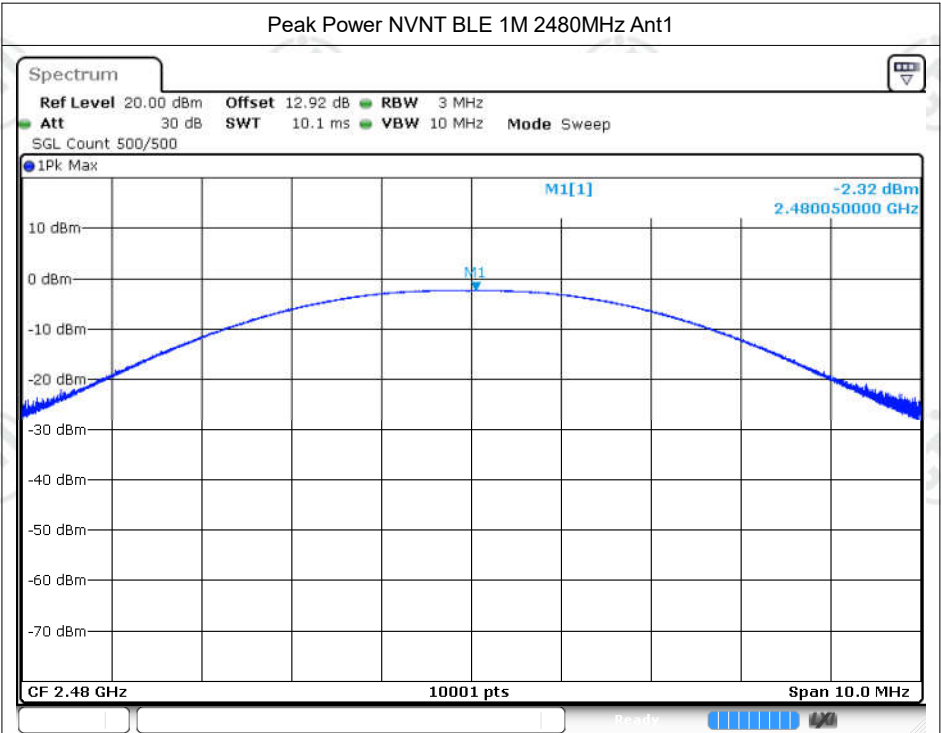
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-3.07	0	-3.07	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.75	0	-2.75	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.32	0	-2.32	30	Pass
NVNT	BLE 2M	2402	Ant1	-2.96	0	-2.96	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.81	0	-2.81	30	Pass
NVNT	BLE 2M	2480	Ant1	-2.32	0	-2.32	30	Pass

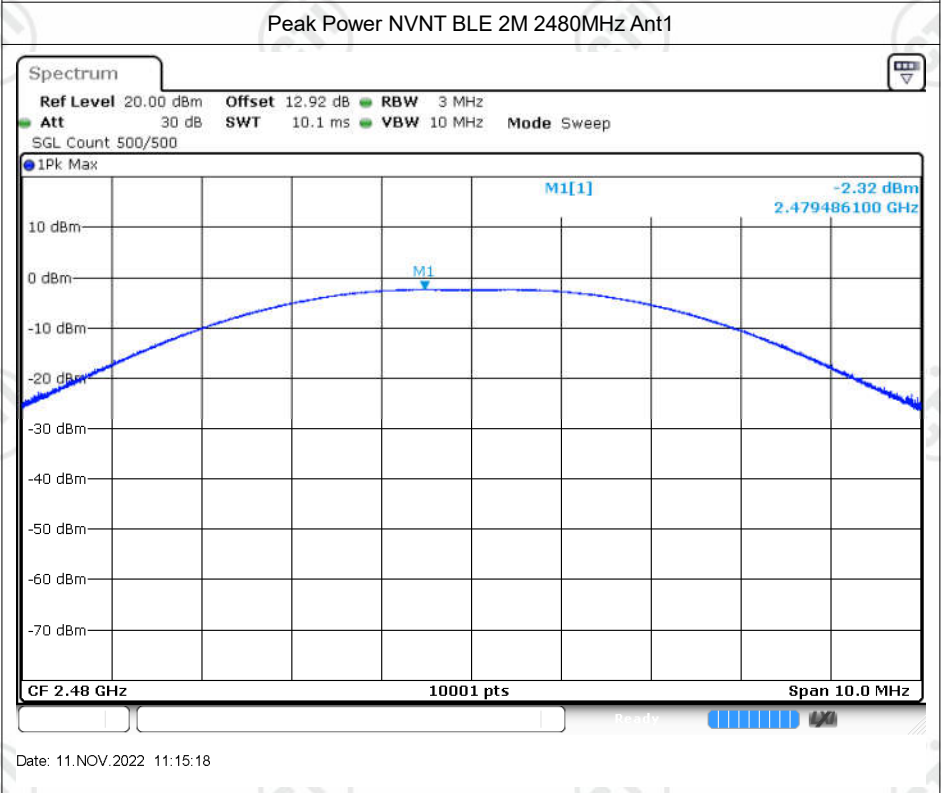
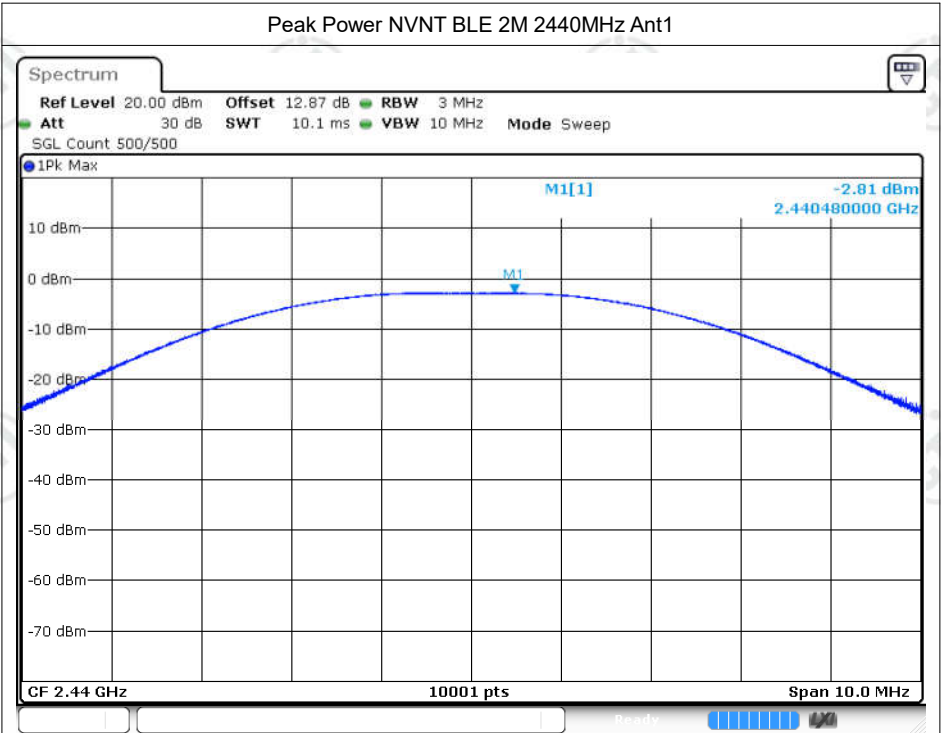


Date: 11.NOV.2022 11:03:01



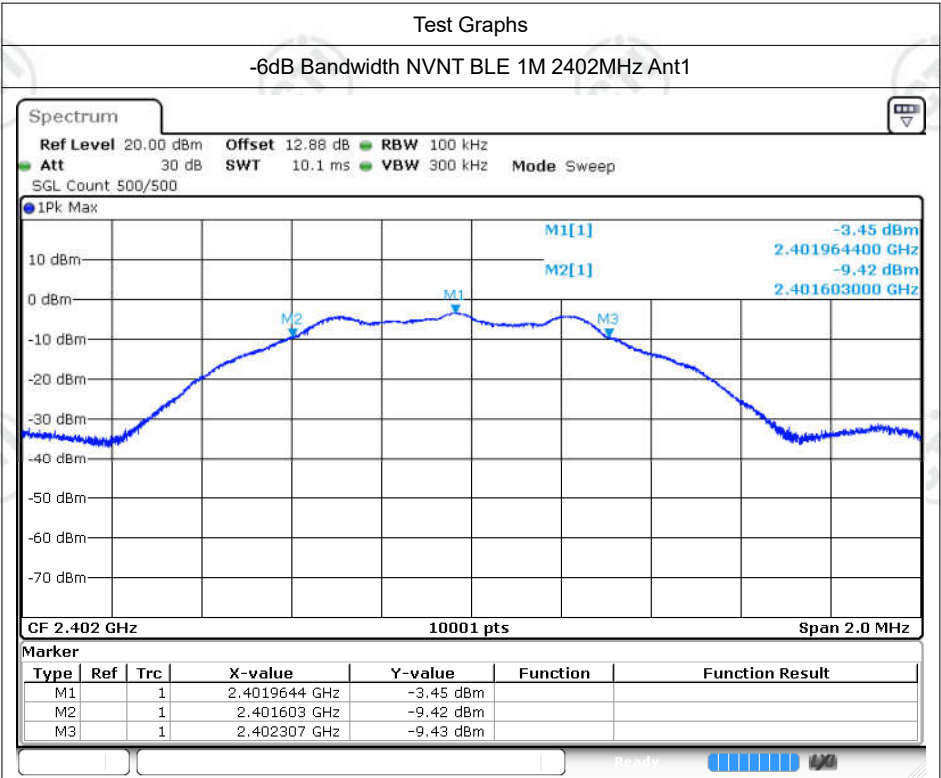
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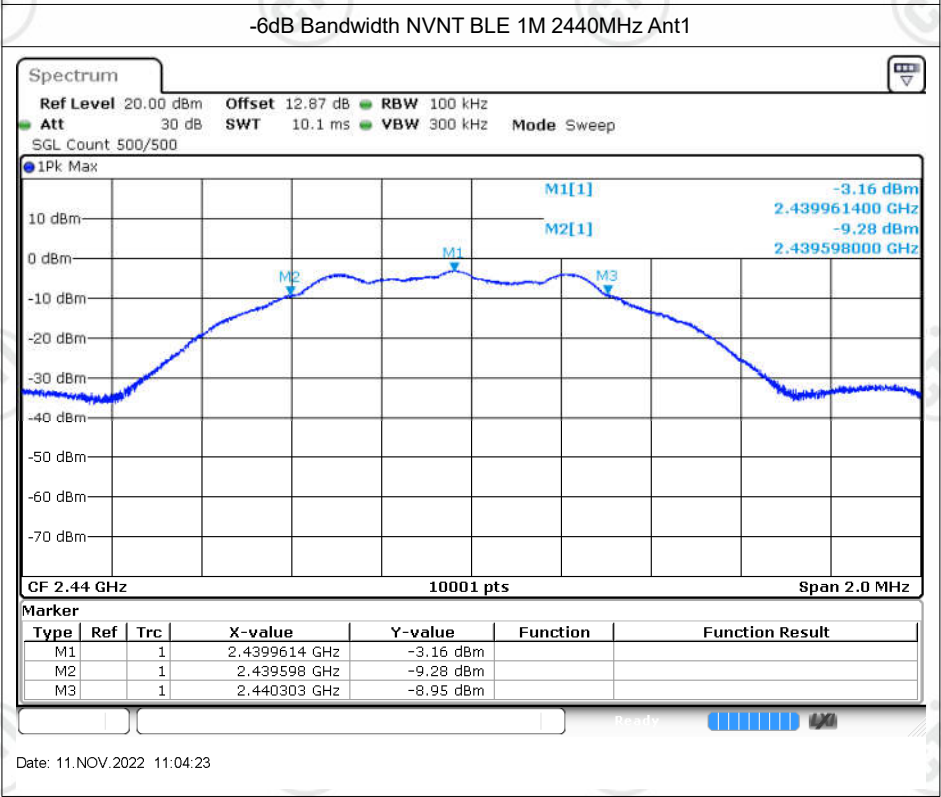


-6dB Bandwidth

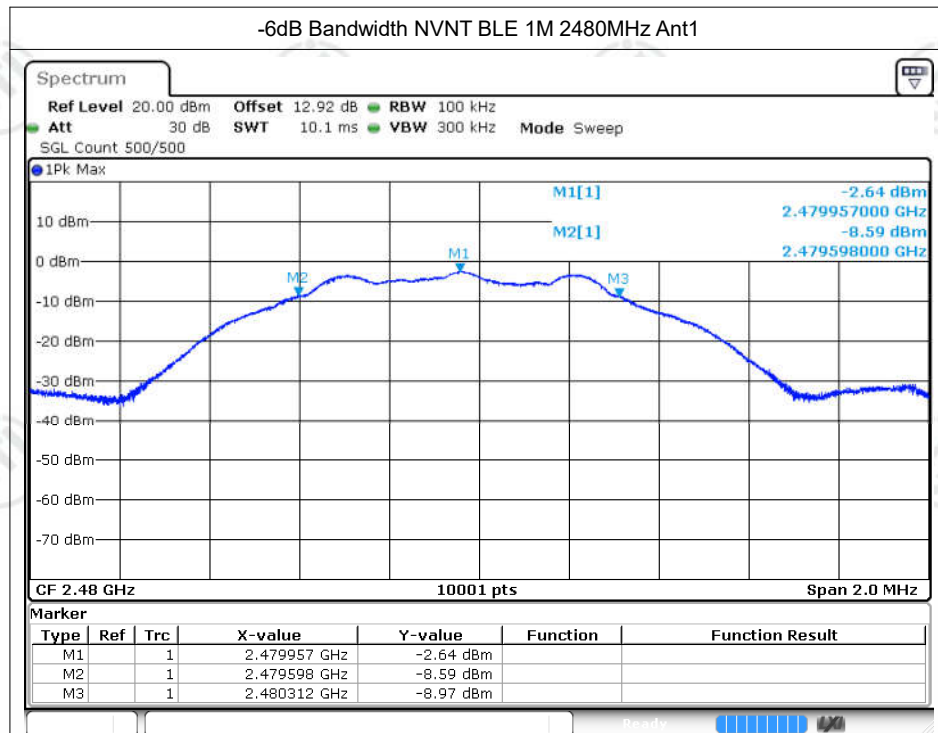
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.704	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.705	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.714	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.136	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.135	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.14	0.5	Pass



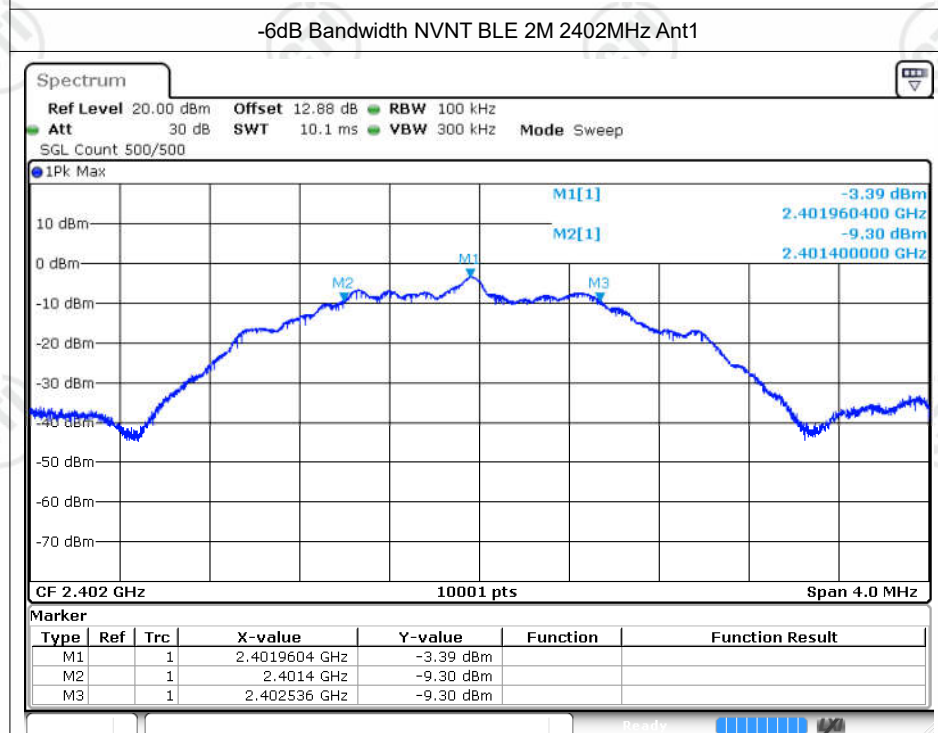
Date: 11.NOV.2022 11:00:39



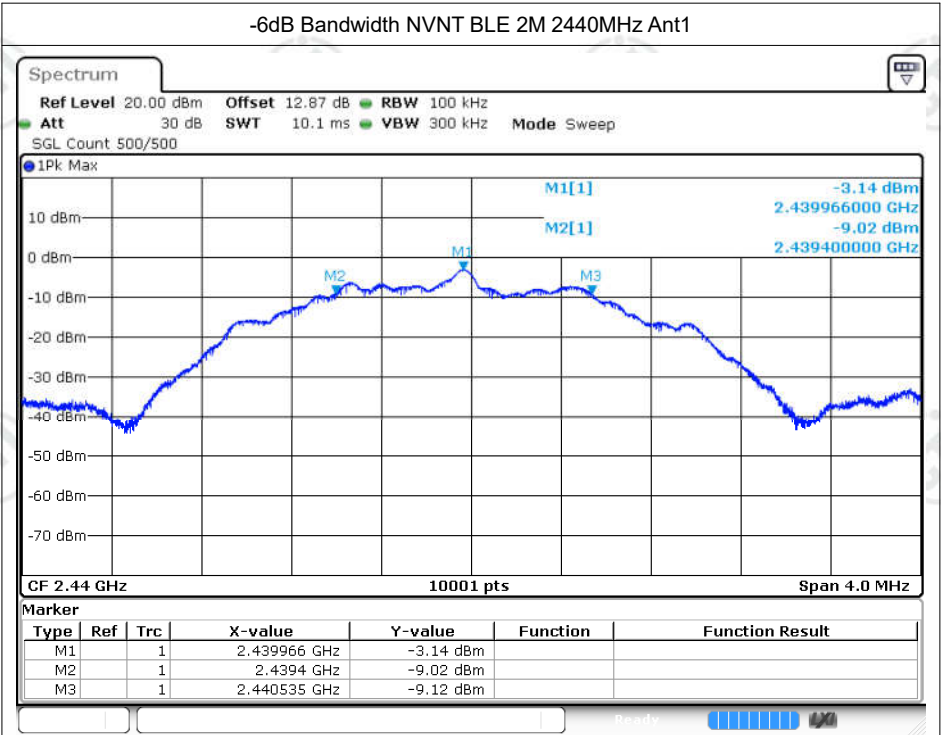
Date: 11.NOV.2022 11:04:23



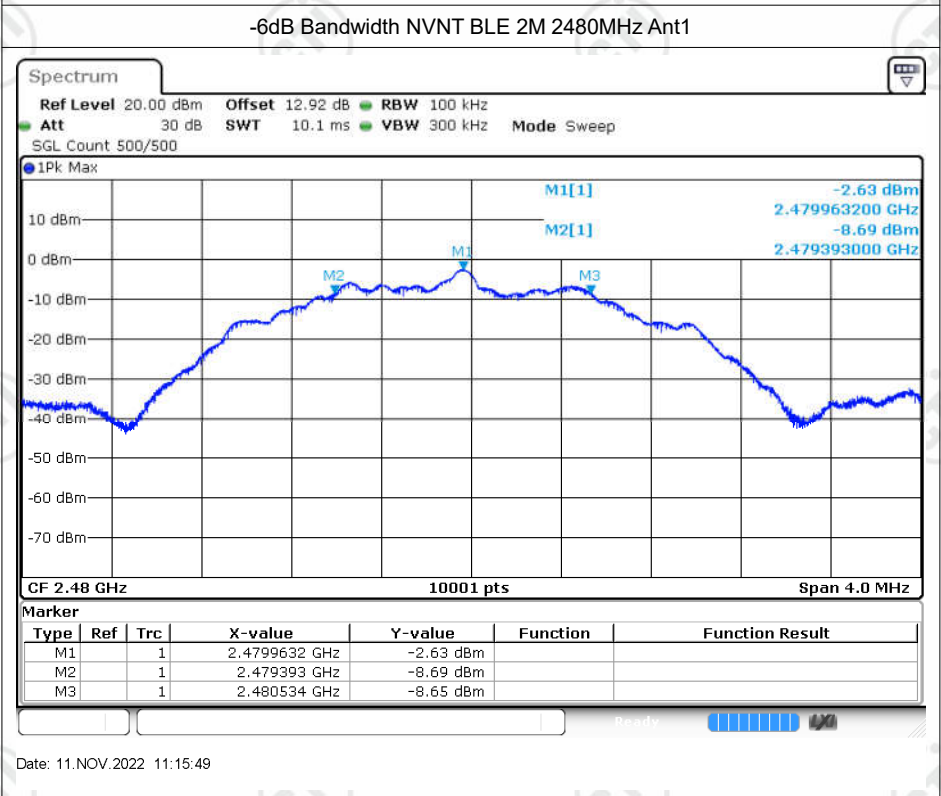
Date: 11.NOV.2022 11:07:03



Date: 11.NOV.2022 11:10:46



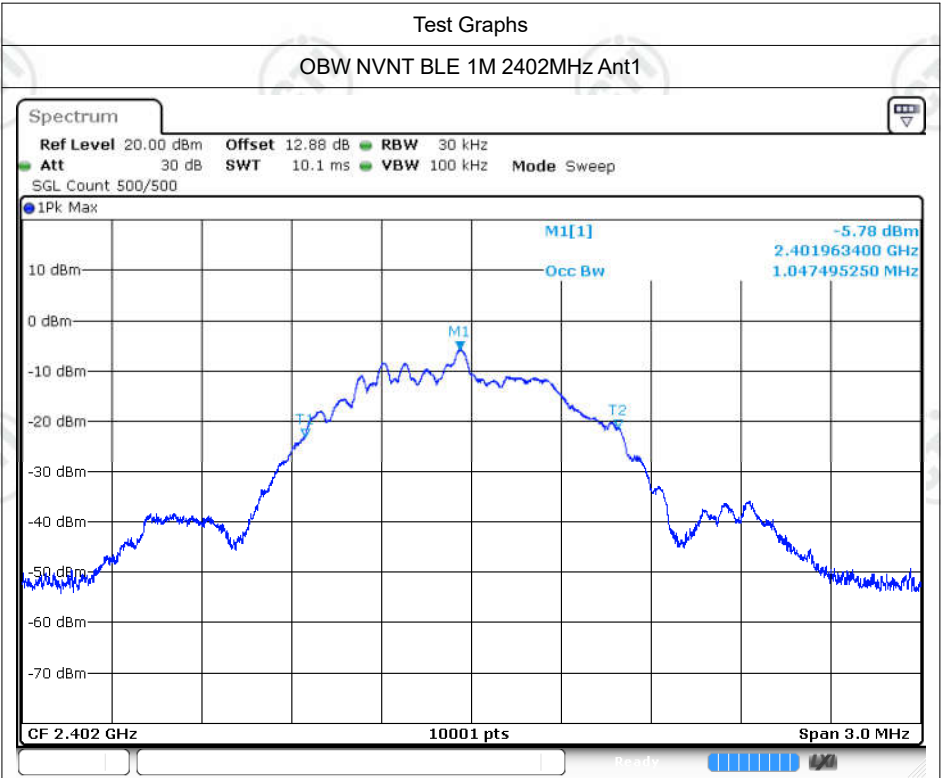
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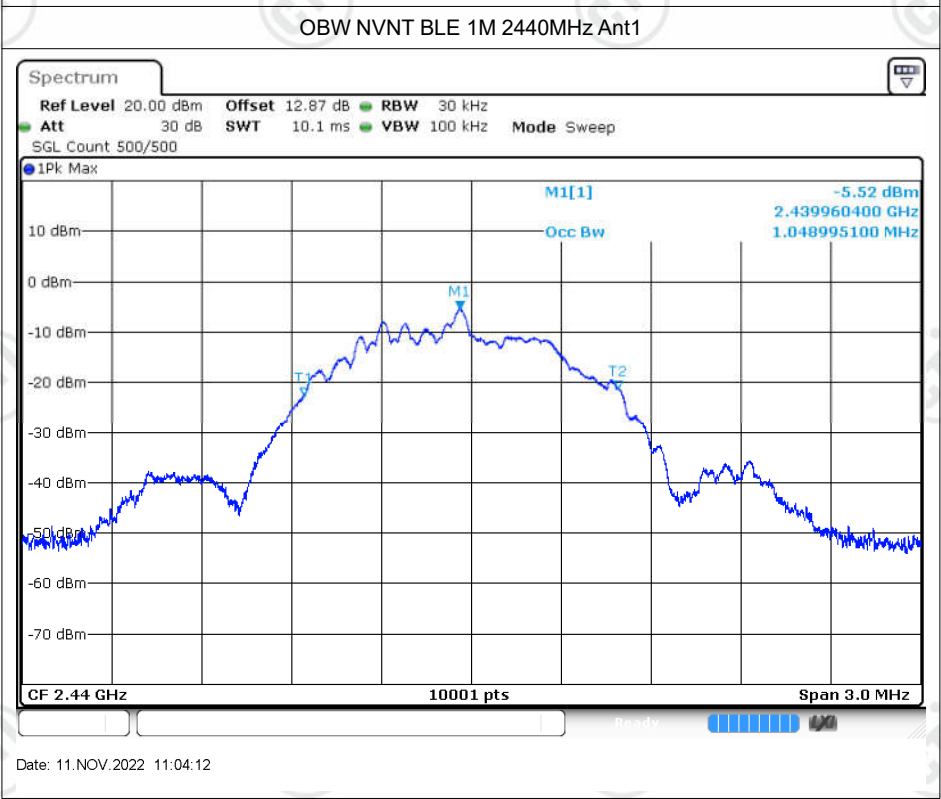
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Occupied Channel Bandwidth

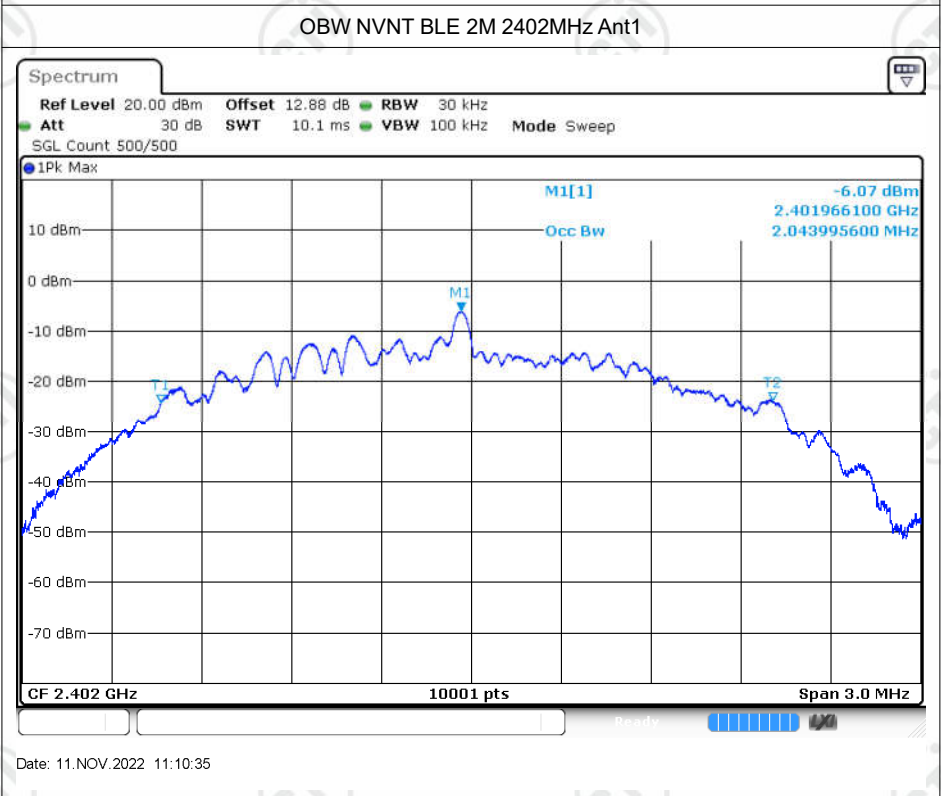
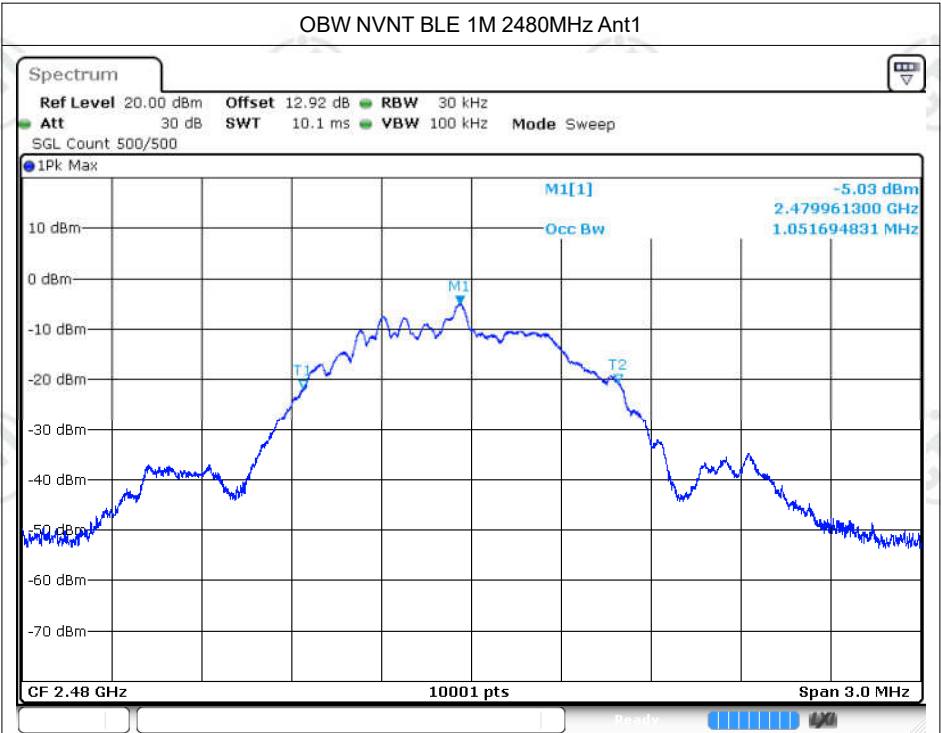
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.047
NVNT	BLE 1M	2440	Ant1	1.049
NVNT	BLE 1M	2480	Ant1	1.052
NVNT	BLE 2M	2402	Ant1	2.044
NVNT	BLE 2M	2440	Ant1	2.046
NVNT	BLE 2M	2480	Ant1	2.05

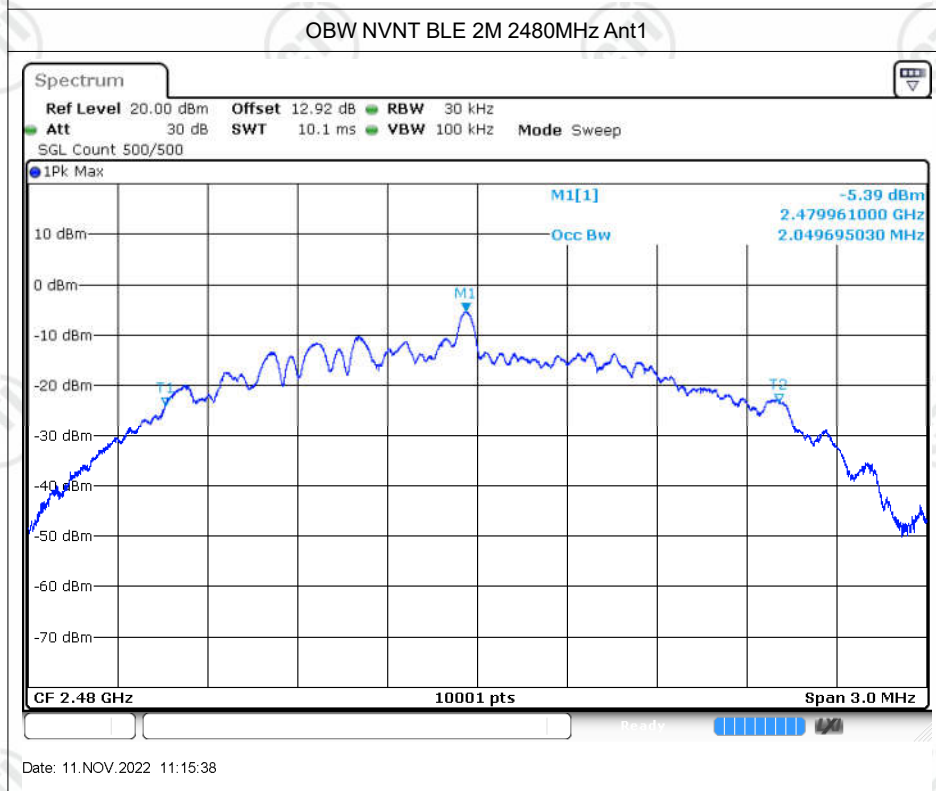
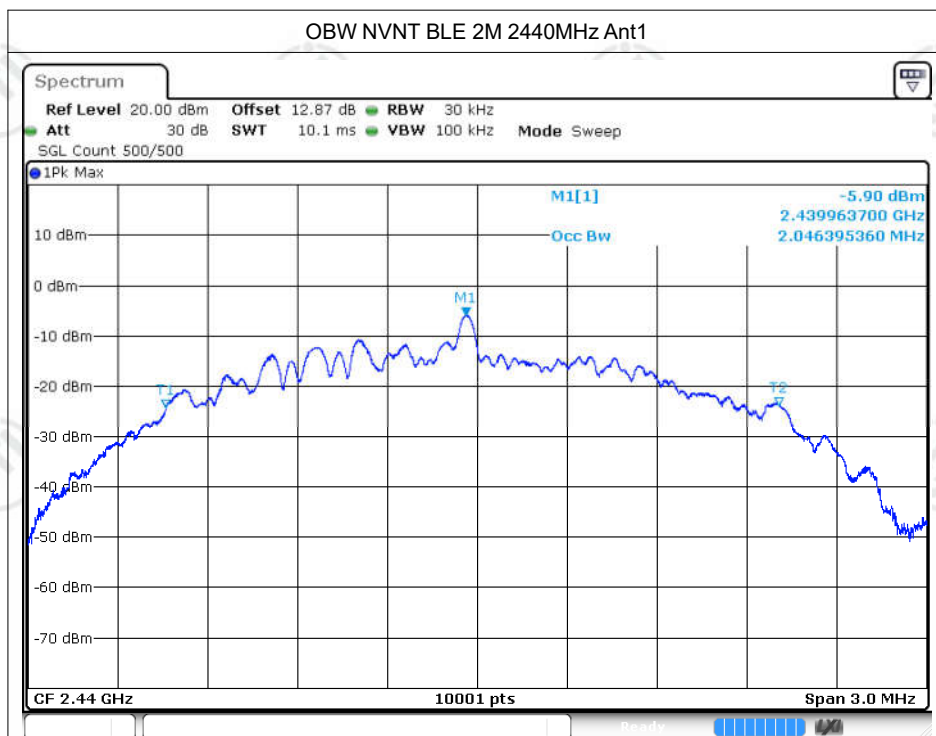


Date: 11.NOV.2022 11:00:29



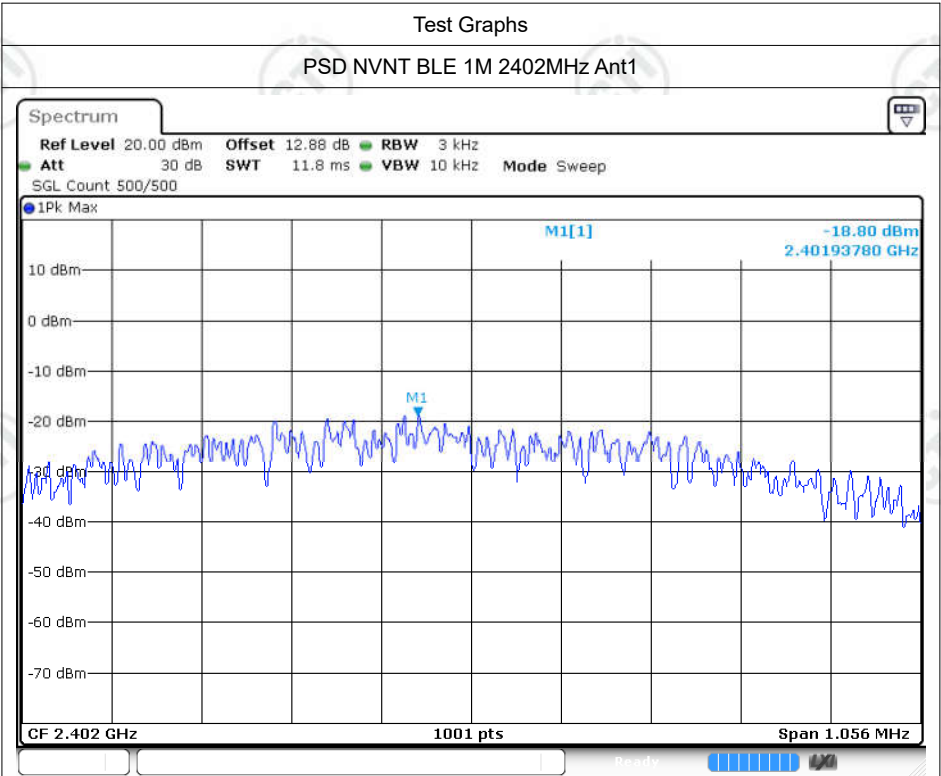
Date: 11.NOV.2022 11:04:12



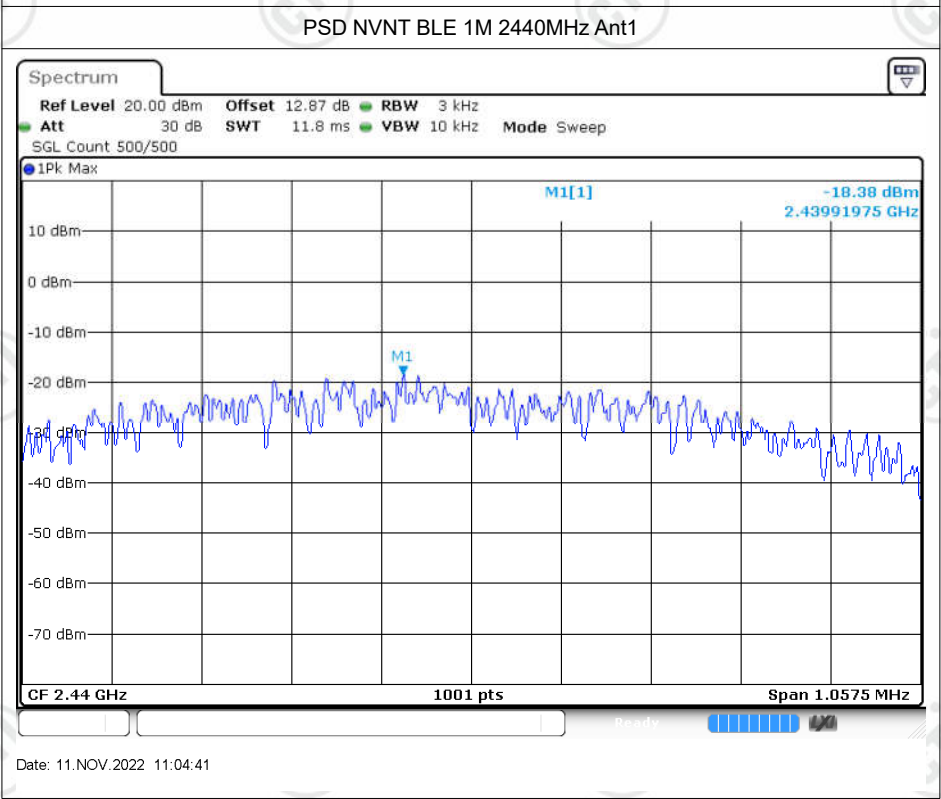


Maximum Power Spectral Density Level

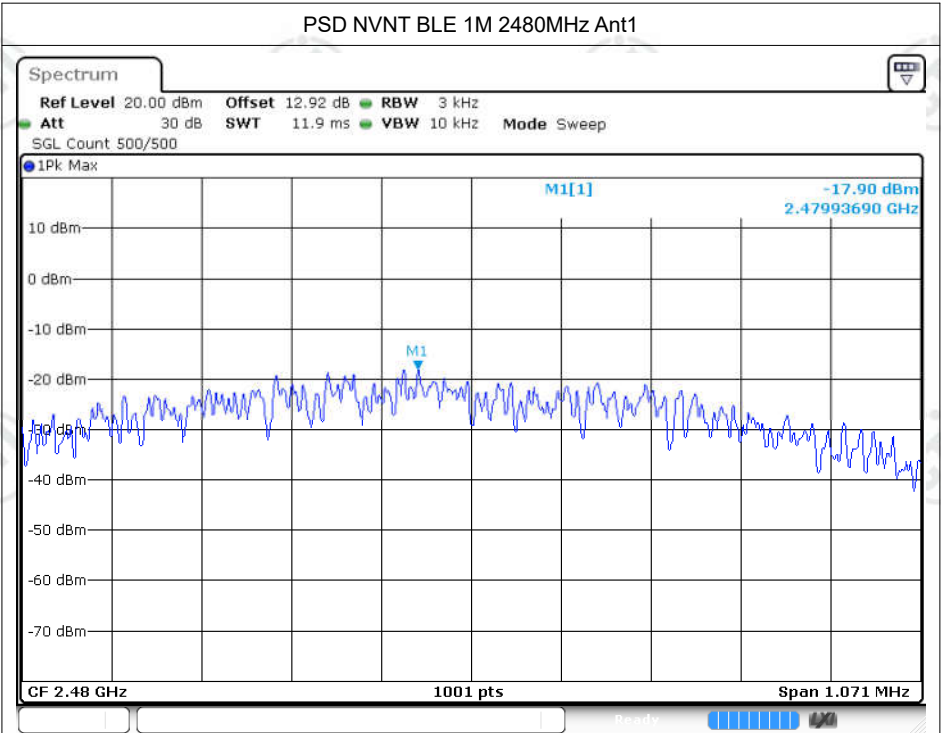
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-18.8	0	-18.8	8	Pass
NVNT	BLE 1M	2440	Ant1	-18.38	0	-18.38	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.9	0	-17.9	8	Pass
NVNT	BLE 2M	2402	Ant1	-21.06	0	-21.06	8	Pass
NVNT	BLE 2M	2440	Ant1	-20.72	0	-20.72	8	Pass
NVNT	BLE 2M	2480	Ant1	-20.42	0	-20.42	8	Pass



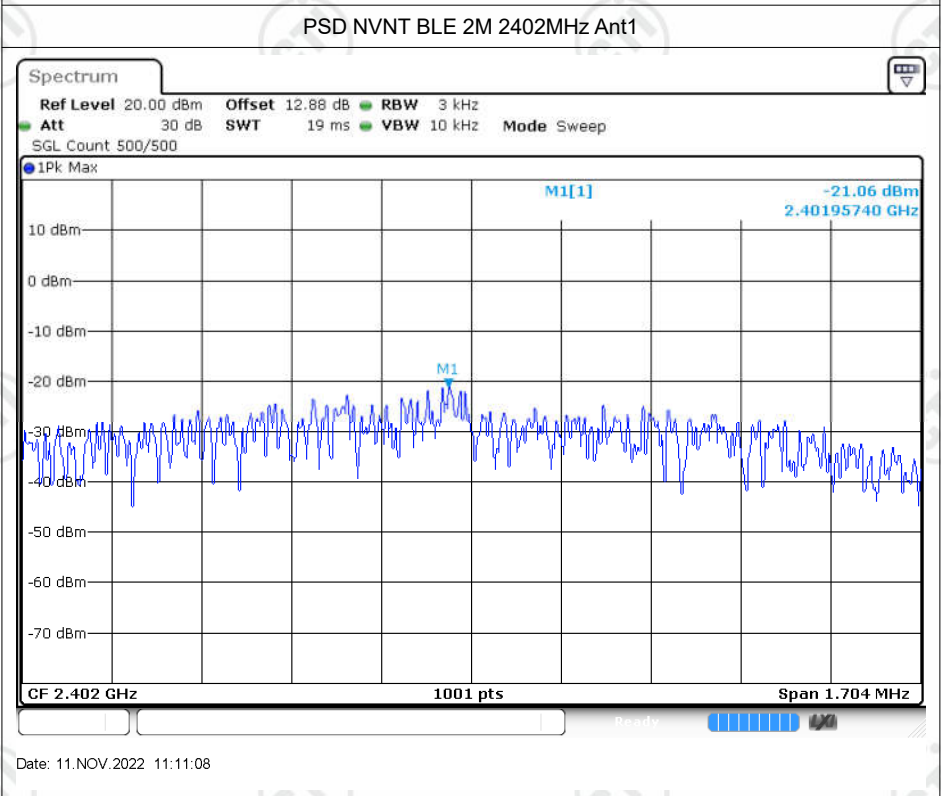
Date: 11.NOV.2022 11:00:57



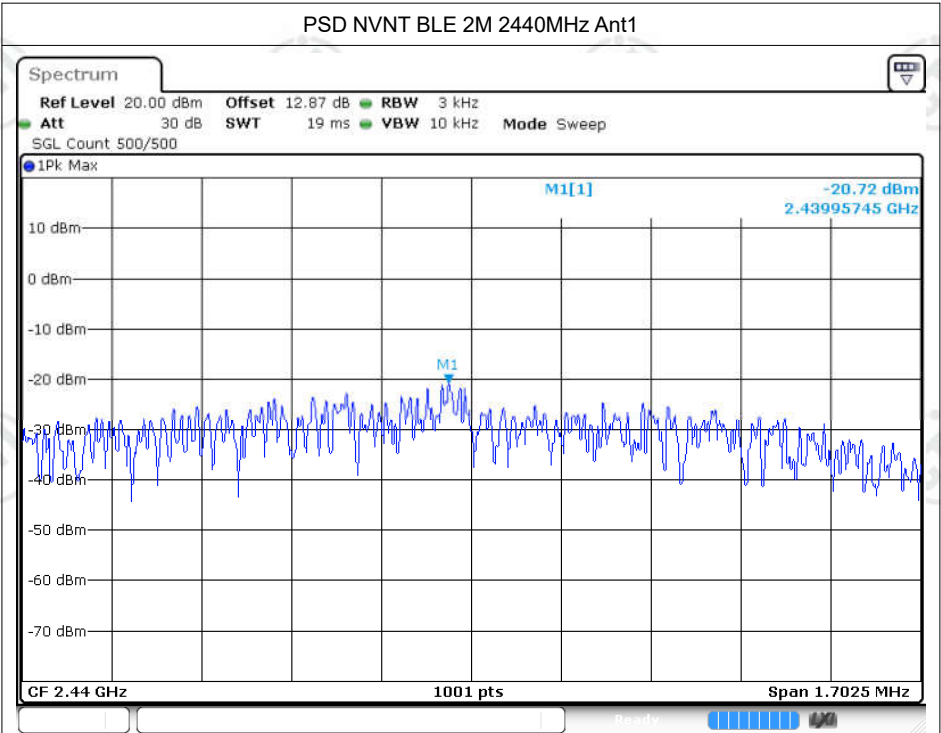
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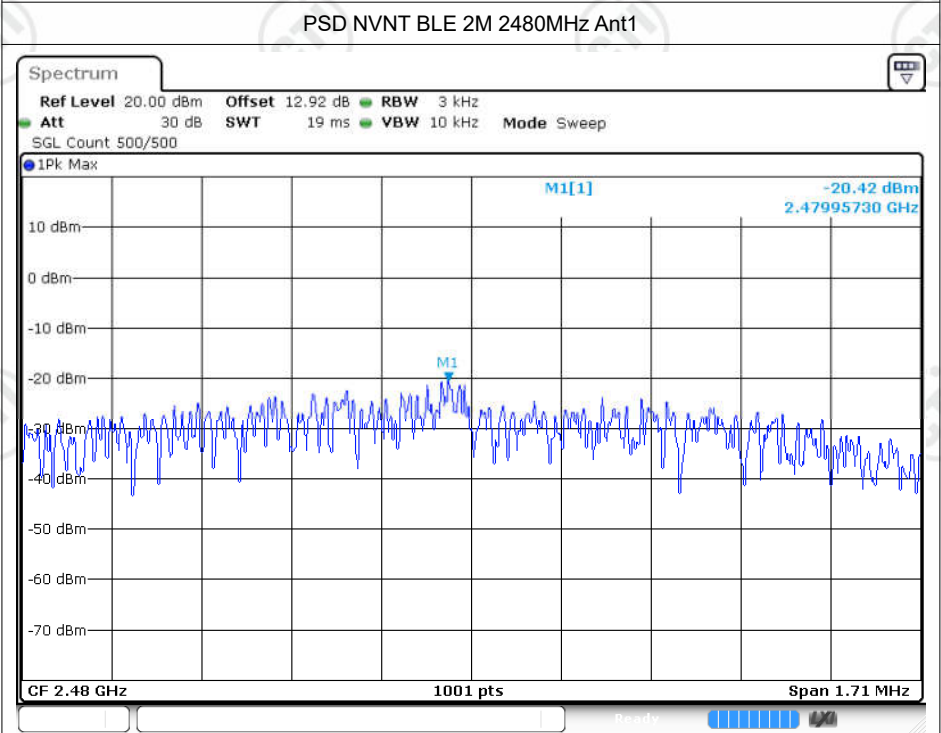
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Date: 11.NOV.2022 11:11:08



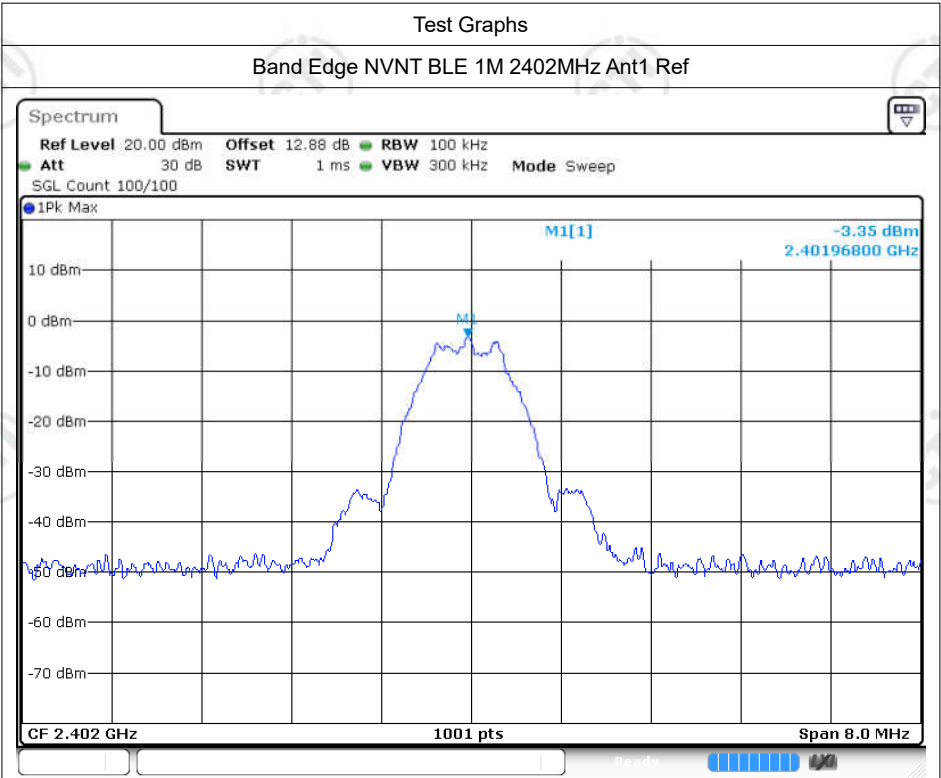
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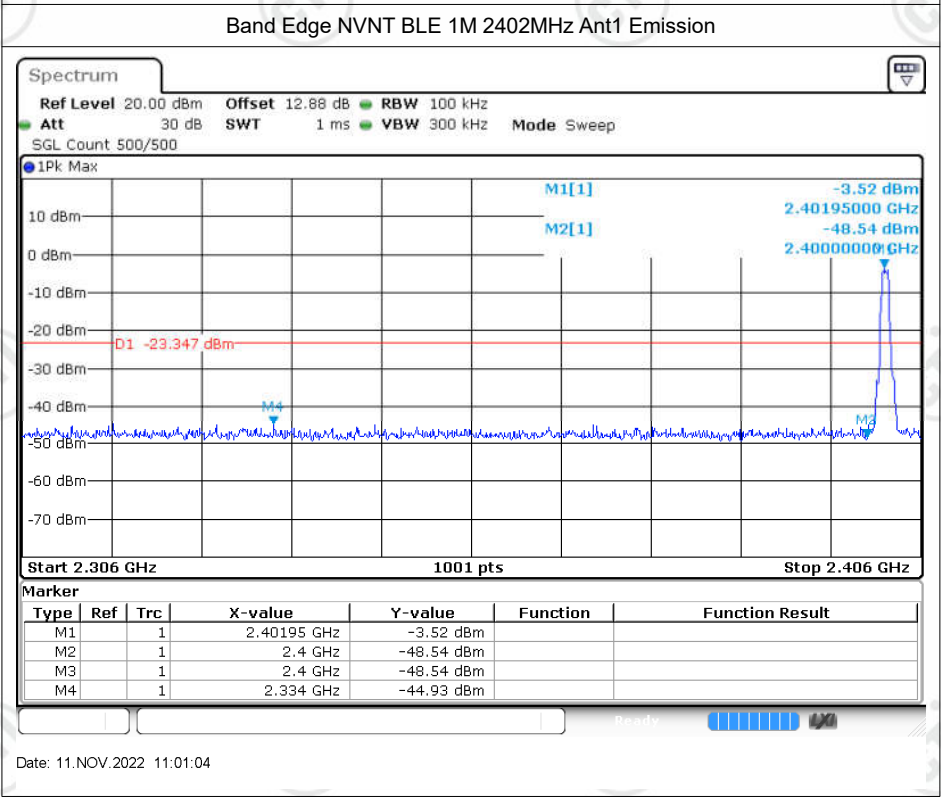
Date: 11.NOV.2022 11:16:10

Band Edge

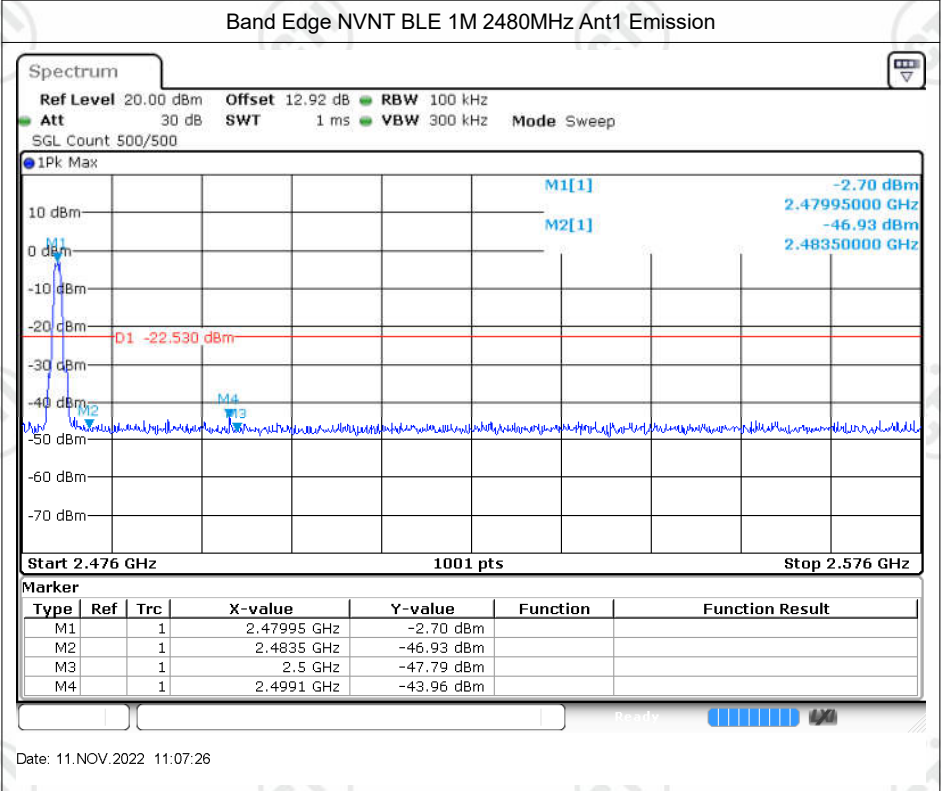
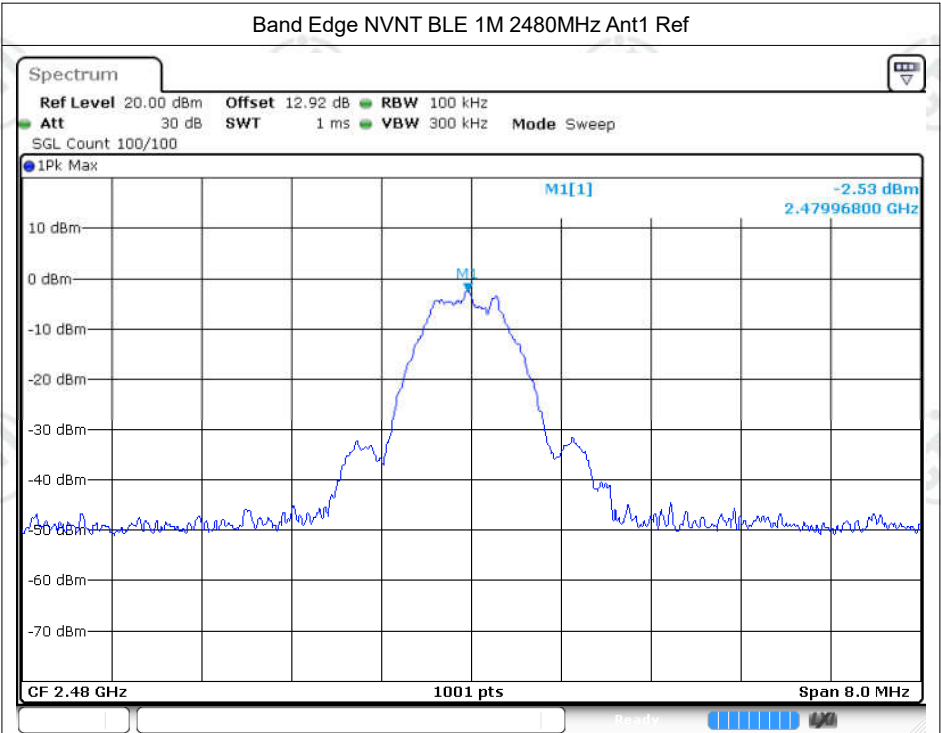
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.58	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.43	-20	Pass
NVNT	BLE 2M	2402	Ant1	-31.38	-20	Pass
NVNT	BLE 2M	2480	Ant1	-42.59	-20	Pass

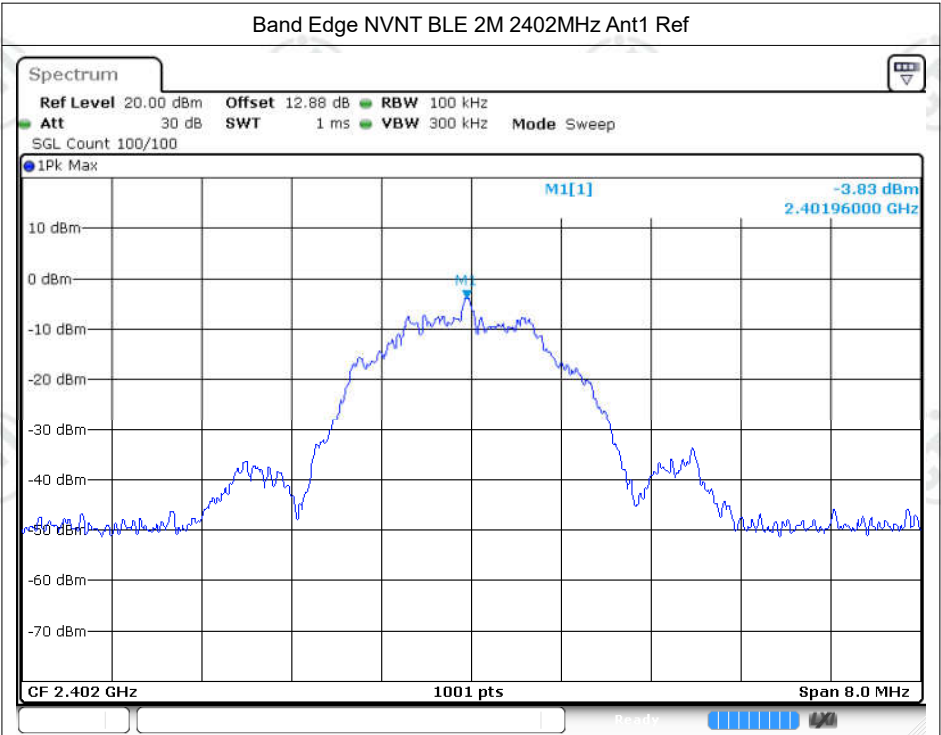


Date: 11.NOV.2022 11:01:00

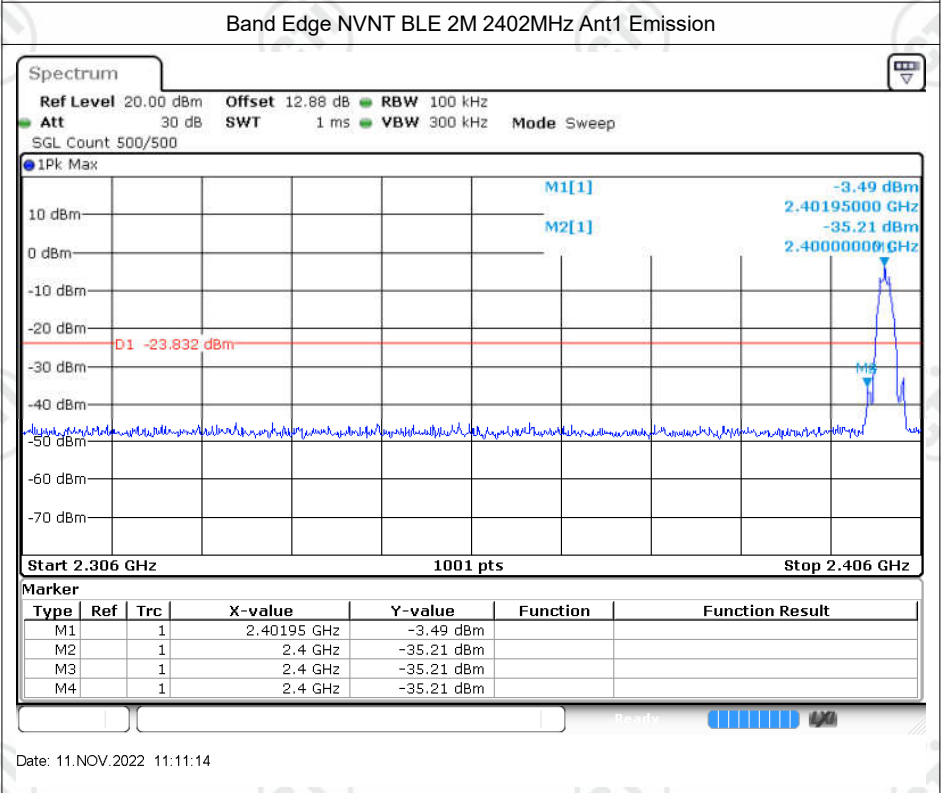


Date: 11.NOV.2022 11:01:04

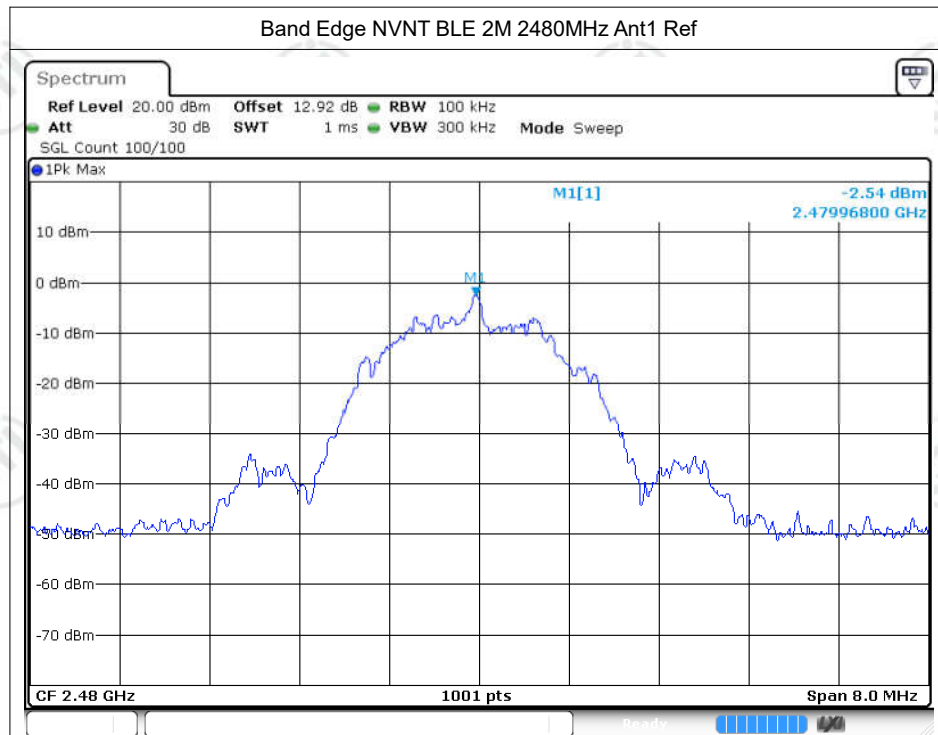




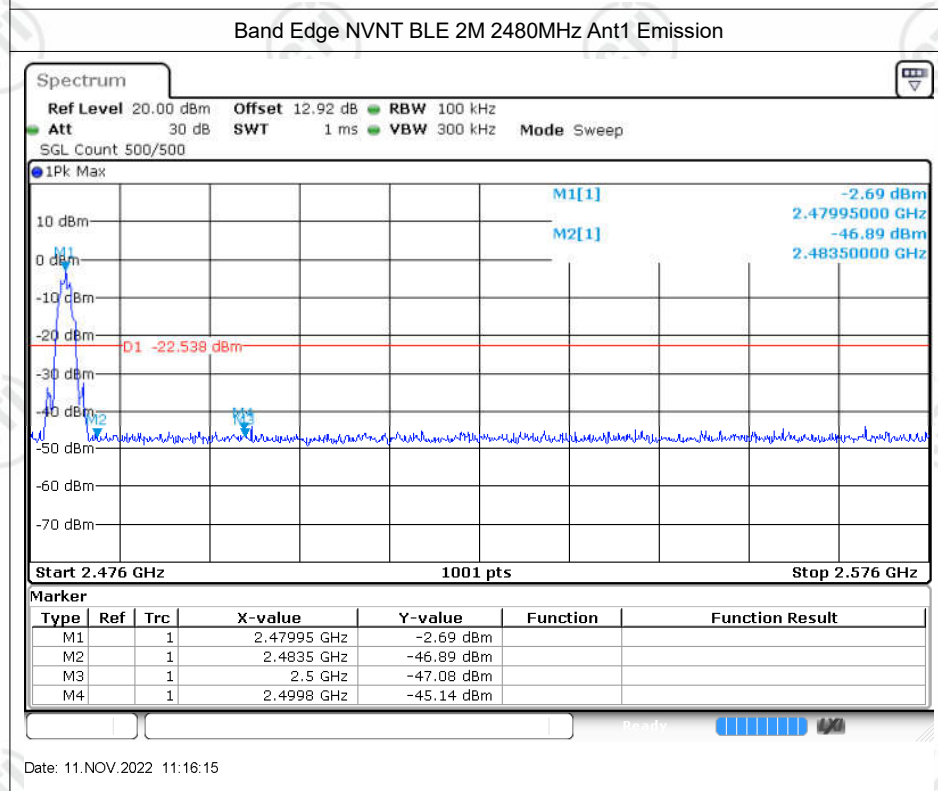
Date: 11.NOV.2022 11:11:10



Date: 11.NOV.2022 11:11:14



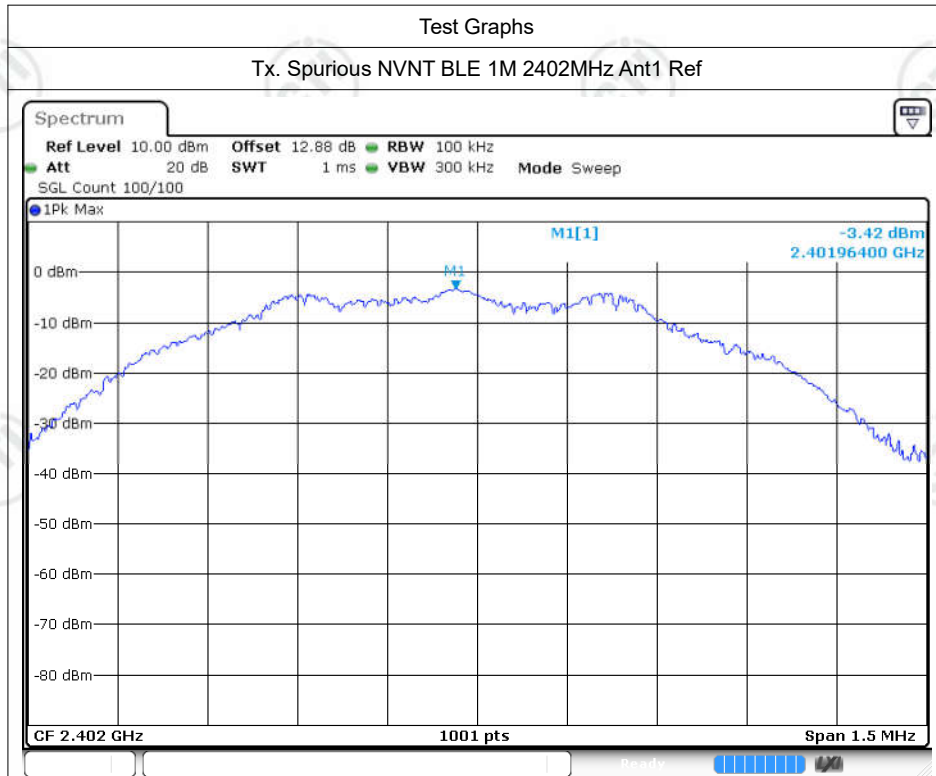
Date: 11.NOV.2022 11:16:13



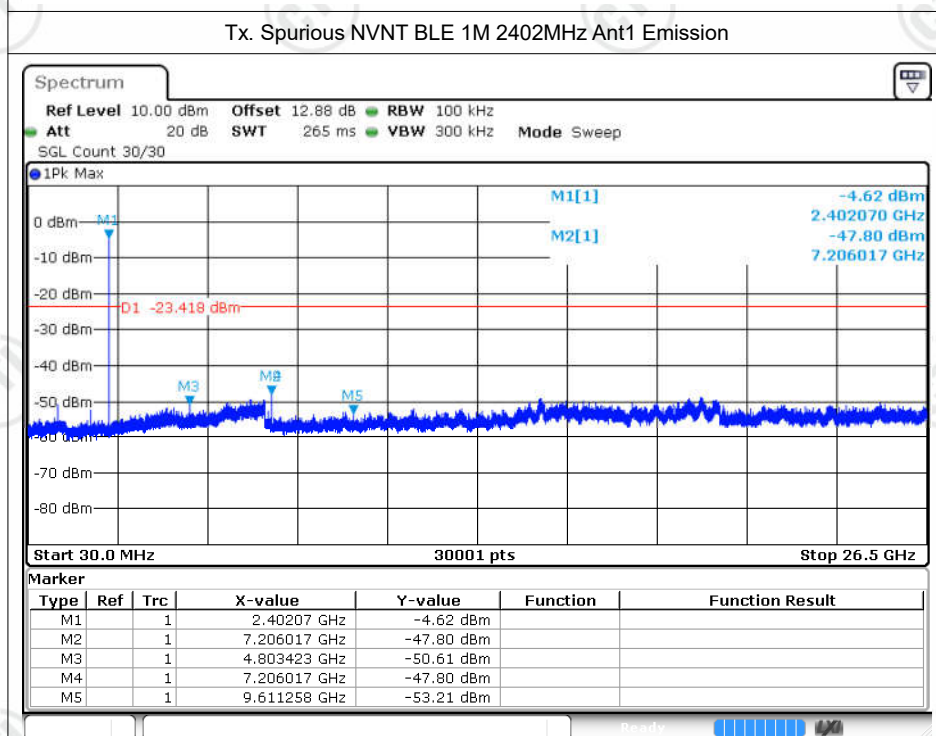
Date: 11.NOV.2022 11:16:15

Conducted RF Spurious Emission

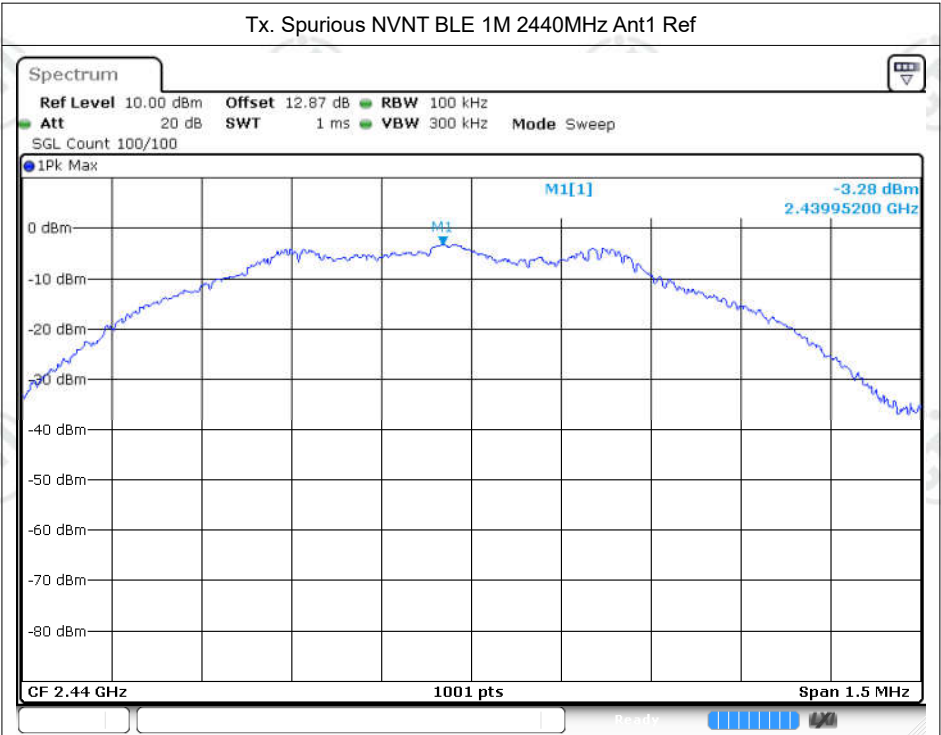
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.38	-20	Pass
NVNT	BLE 1M	2440	Ant1	-32.9	-20	Pass
NVNT	BLE 1M	2480	Ant1	-39.93	-20	Pass
NVNT	BLE 2M	2402	Ant1	-41.93	-20	Pass
NVNT	BLE 2M	2440	Ant1	-44.73	-20	Pass
NVNT	BLE 2M	2480	Ant1	-43.28	-20	Pass



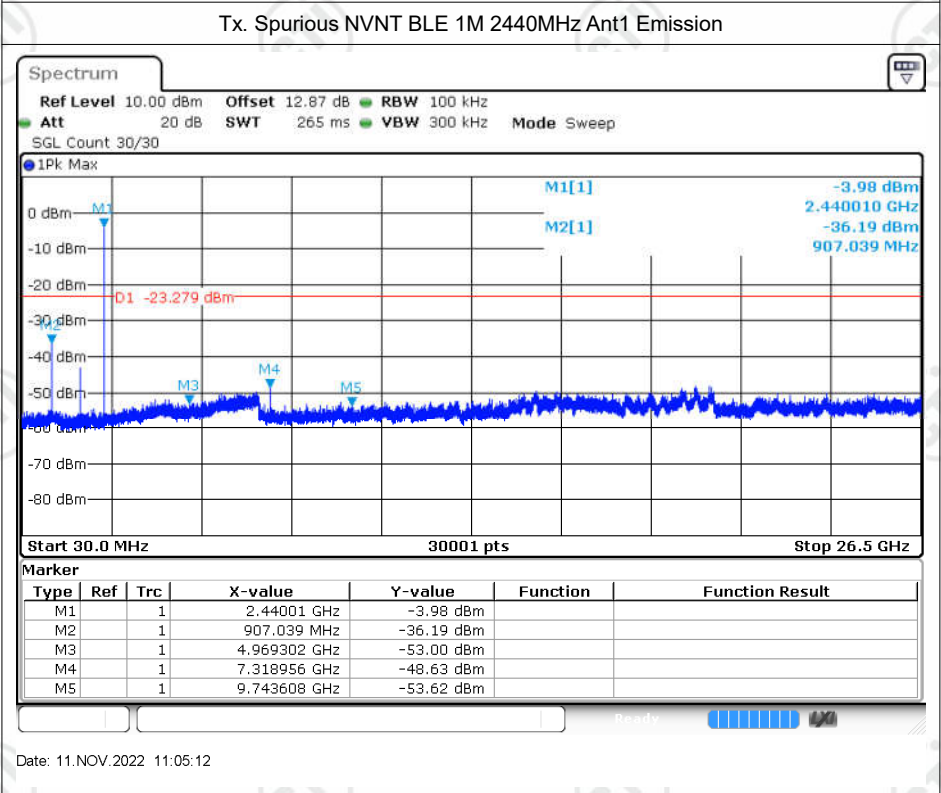
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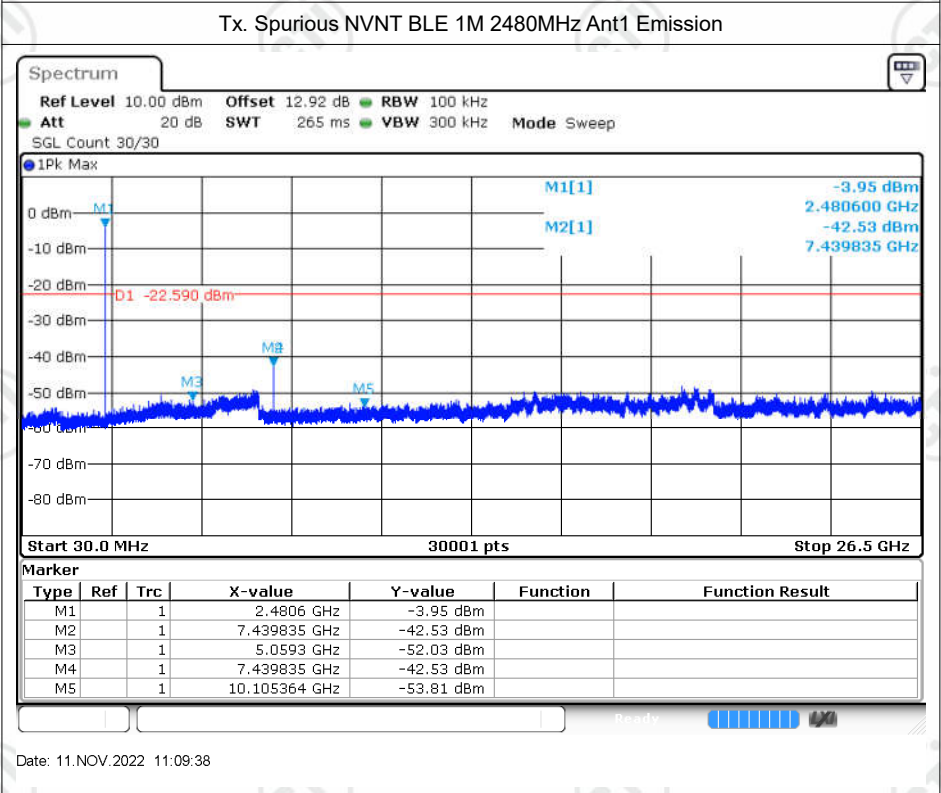
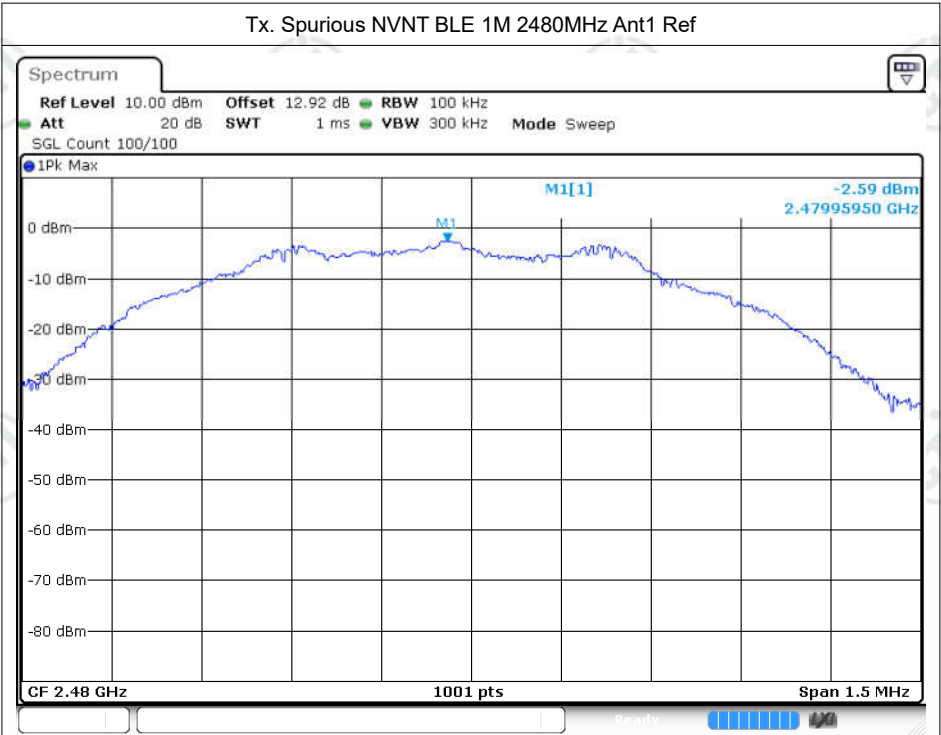


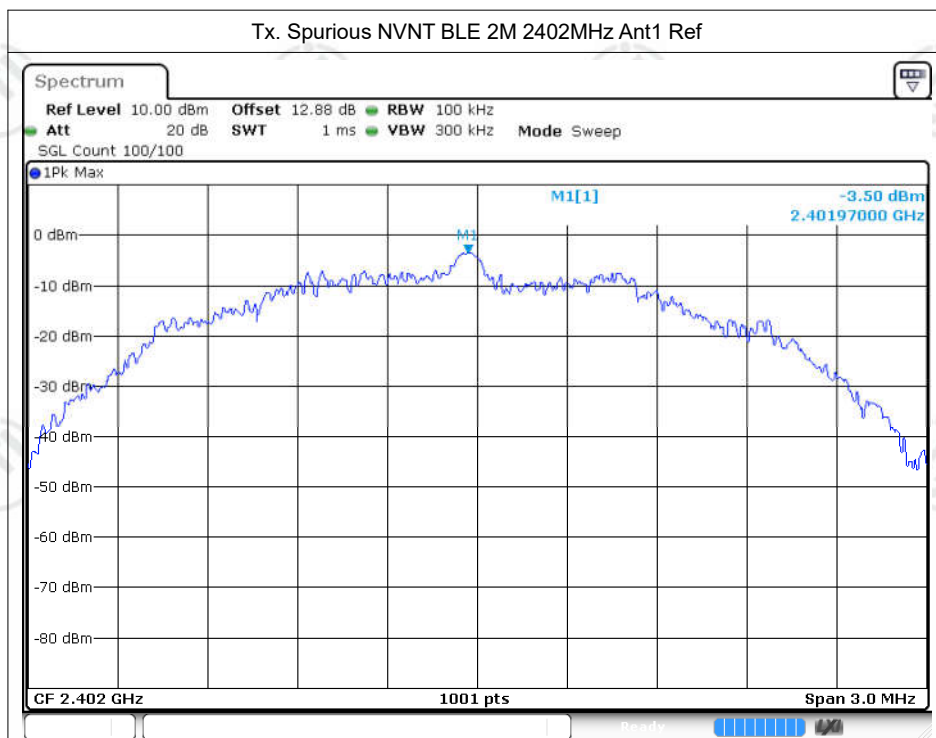
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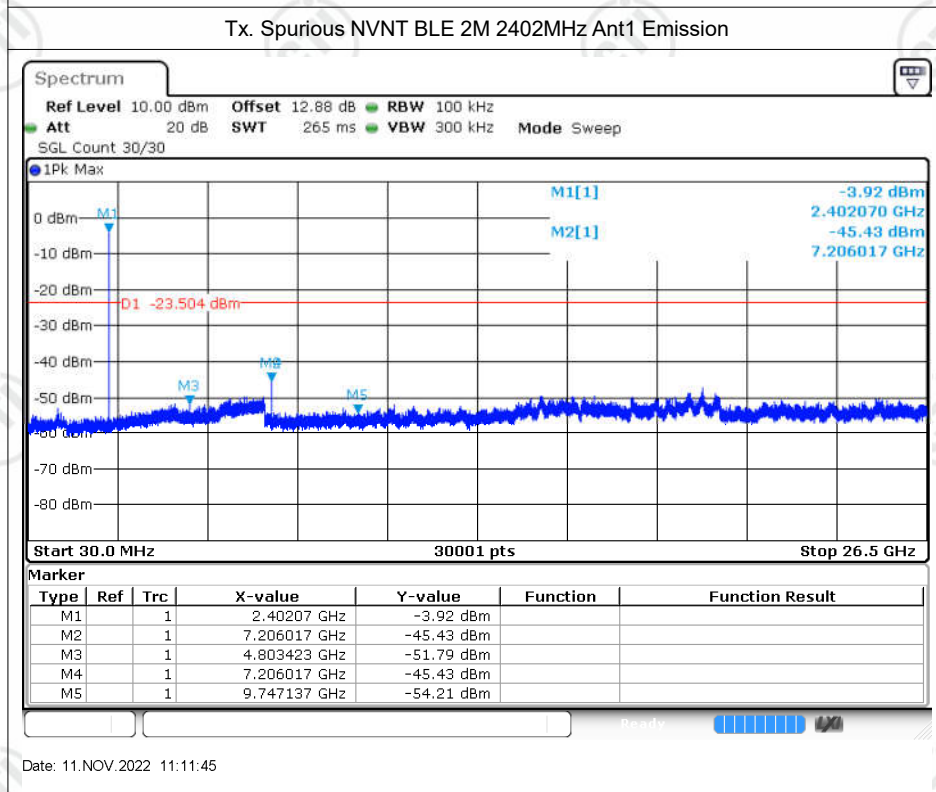
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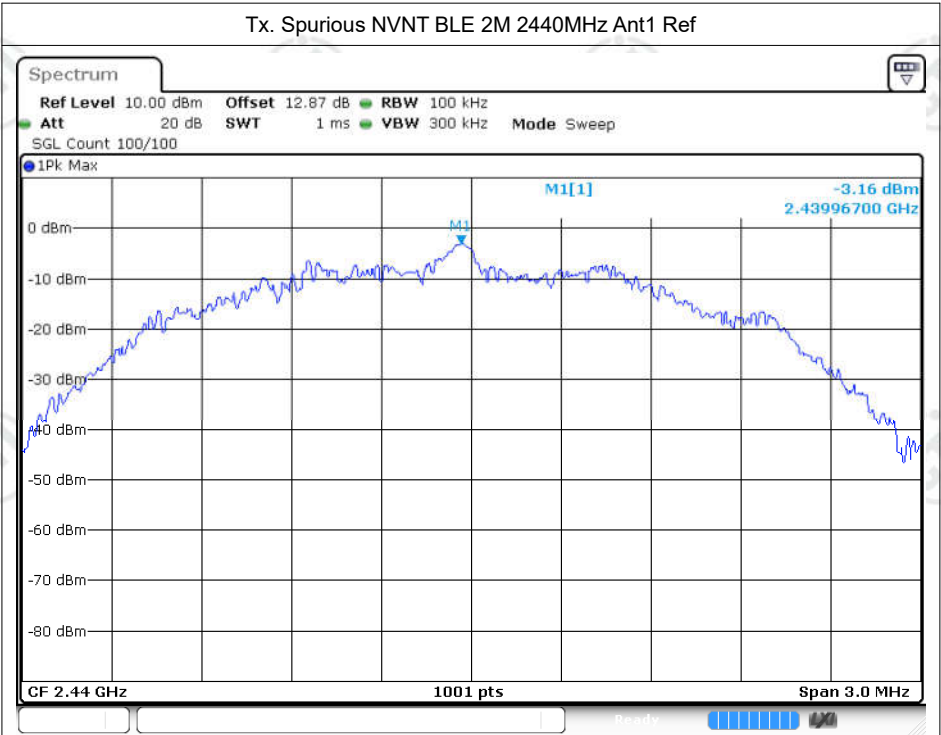




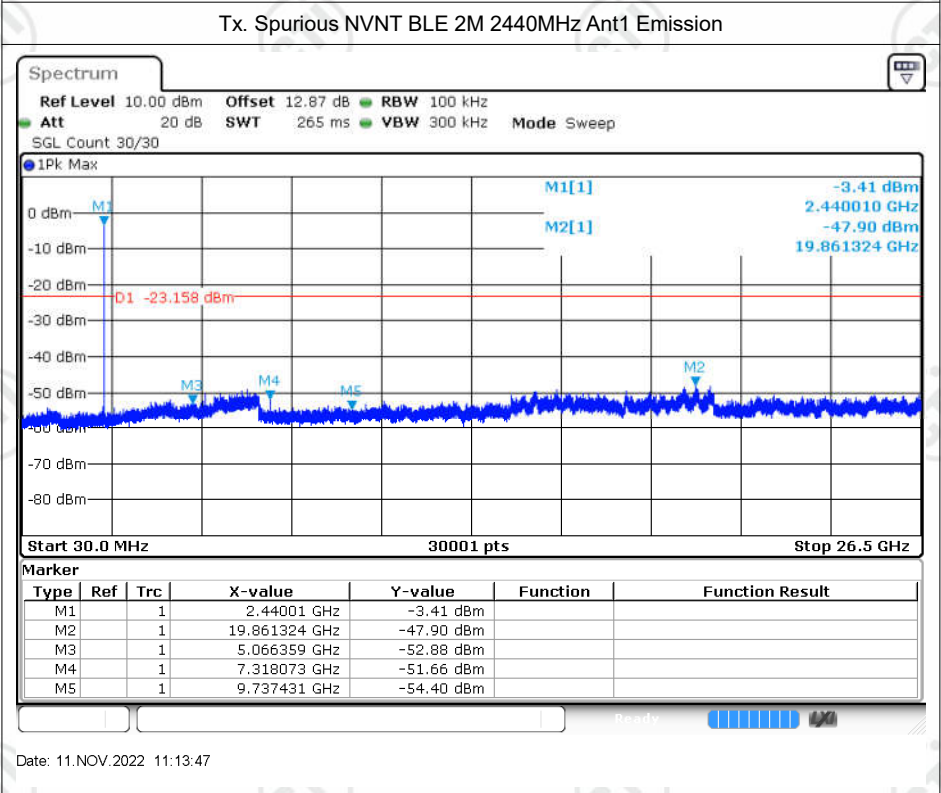
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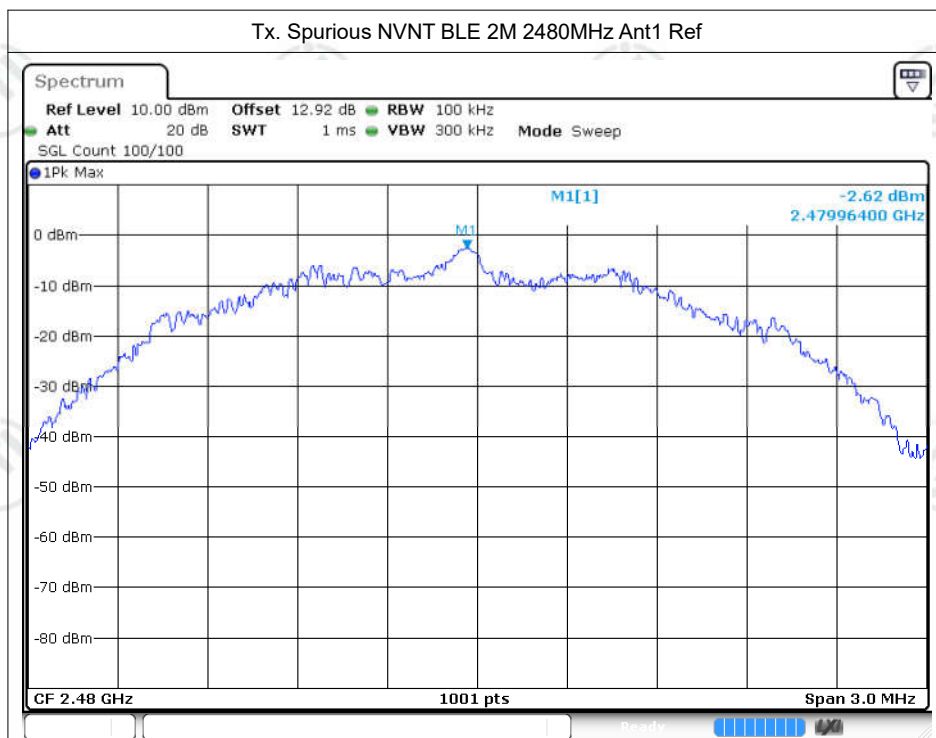


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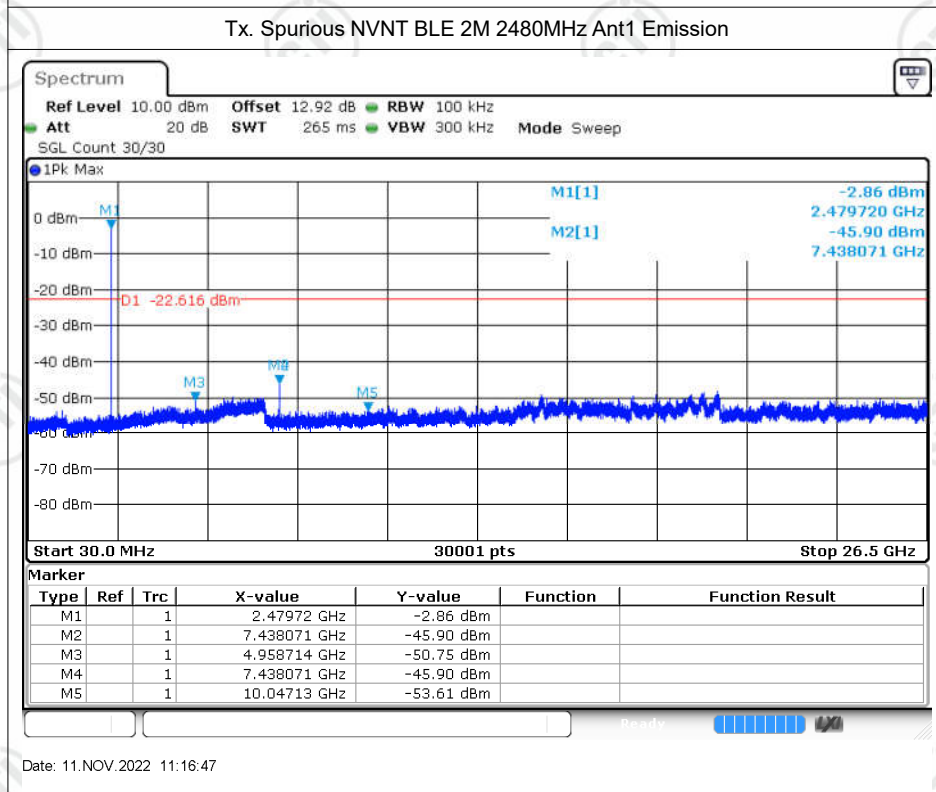


Date: 11.NOV.2022 11:13:19





Date: 11.NOV.2022 11:16:18



Date: 11.NOV.2022 11:16:47

*** End of Report ***