

Appendix: 2.4G WIFI

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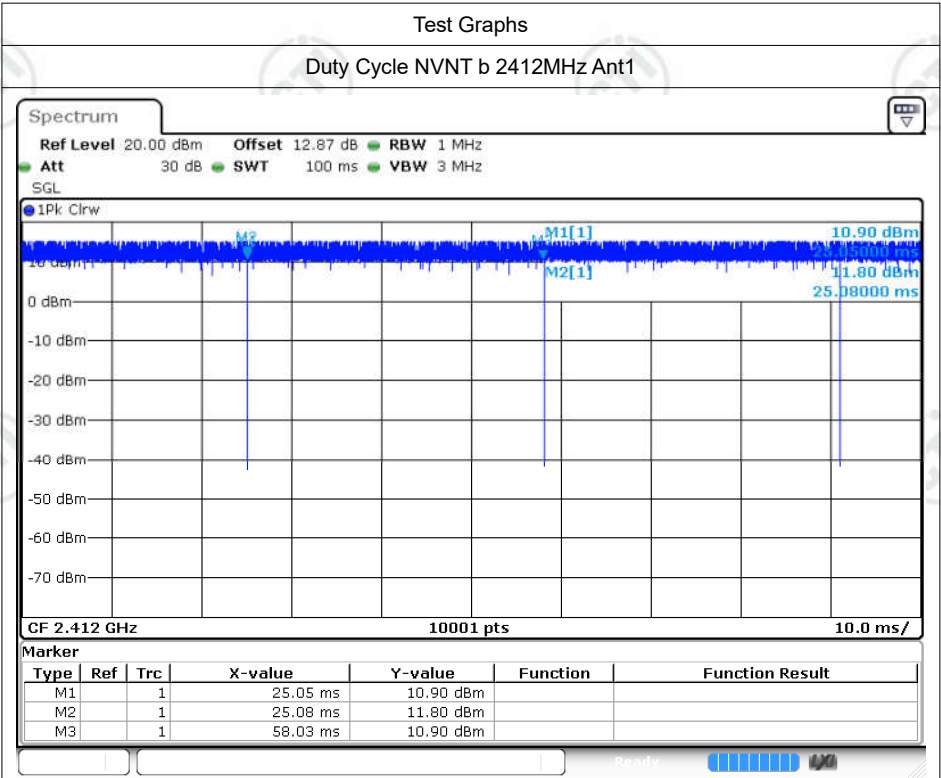
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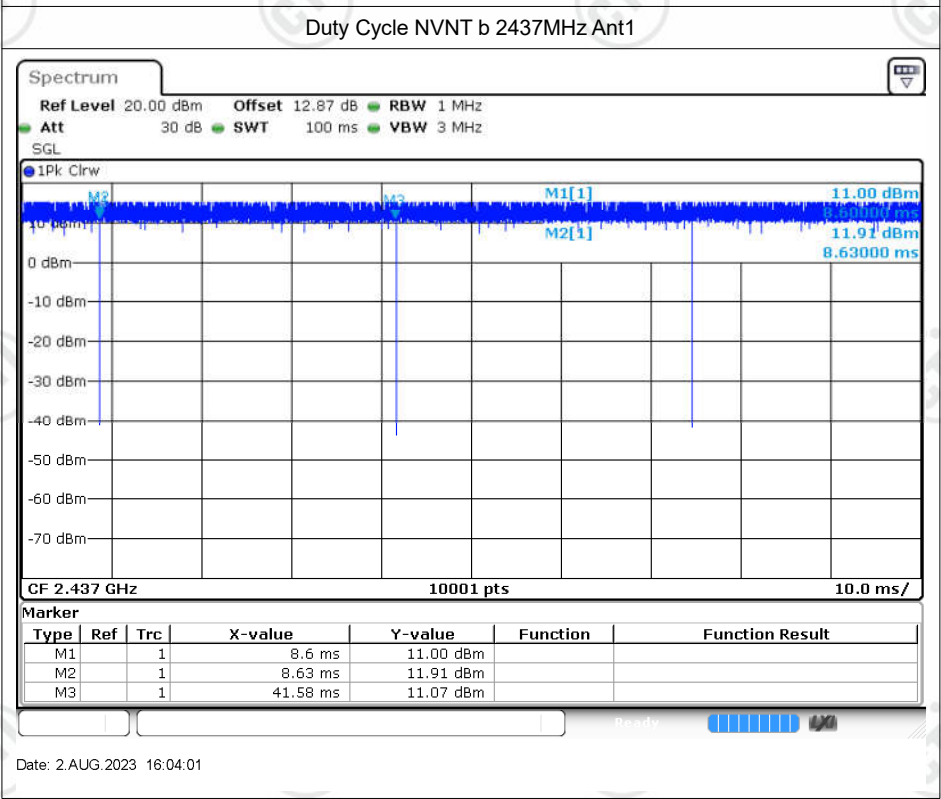
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Duty Cycle

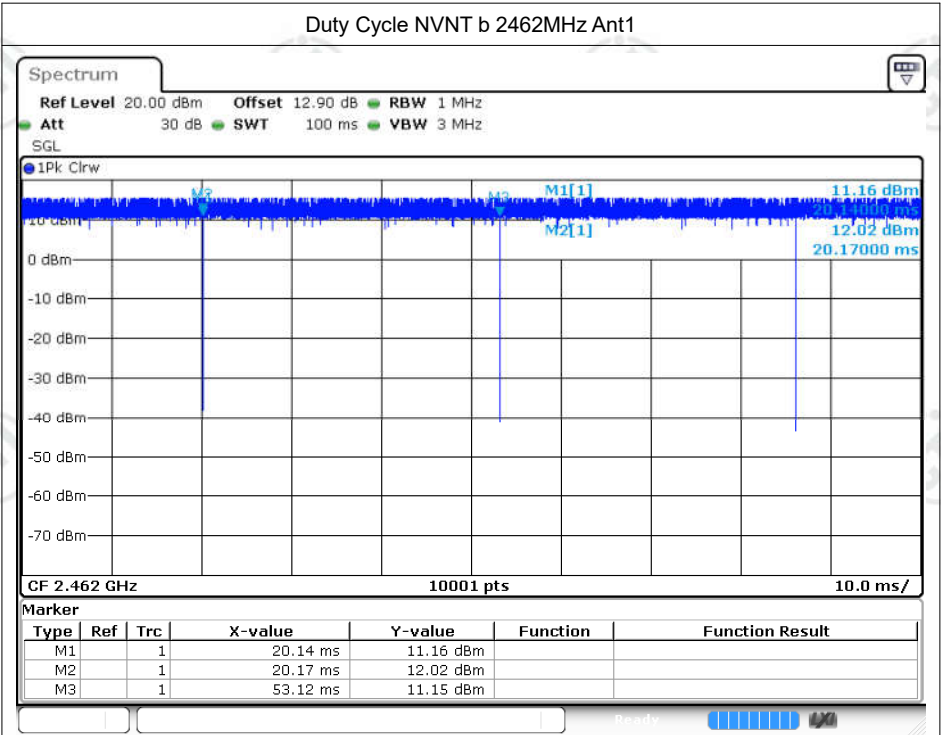
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.91	0	0.03
NVNT	b	2437	Ant1	99.91	0	0.03
NVNT	b	2462	Ant1	99.91	0	0.03
NVNT	g	2412	Ant1	99.64	0	0.18
NVNT	g	2437	Ant1	99.46	0	0.18
NVNT	g	2462	Ant1	99.46	0	0.18
NVNT	n20	2412	Ant1	99.51	0	0.20
NVNT	n20	2437	Ant1	99.51	0	0.20
NVNT	n20	2462	Ant1	99.51	0	0.20
NVNT	n40	2422	Ant1	99.04	0	0.40
NVNT	n40	2437	Ant1	99.04	0	0.41
NVNT	n40	2452	Ant1	99.04	0	0.40



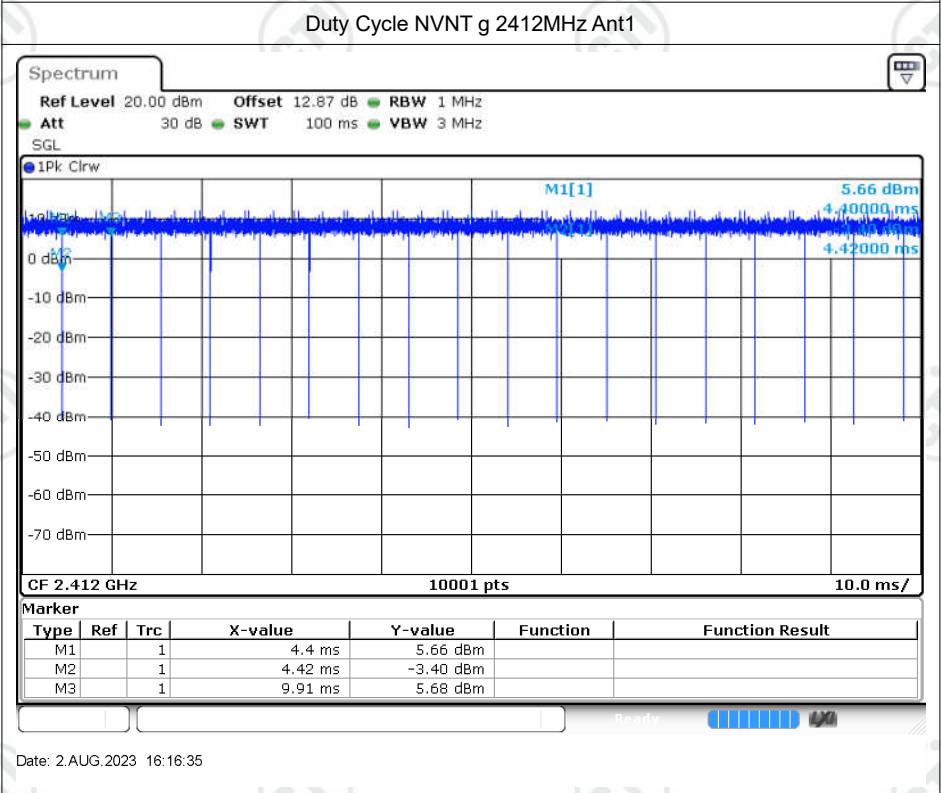
Date: 2.AUG.2023 16:01:57



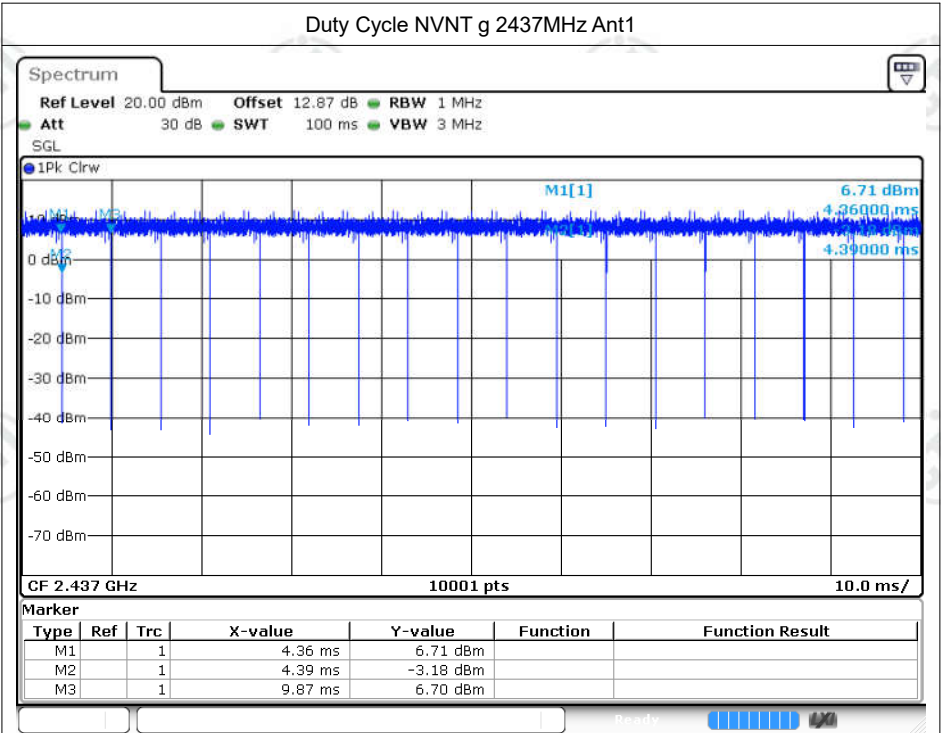
Date: 2.AUG.2023 16:04:01



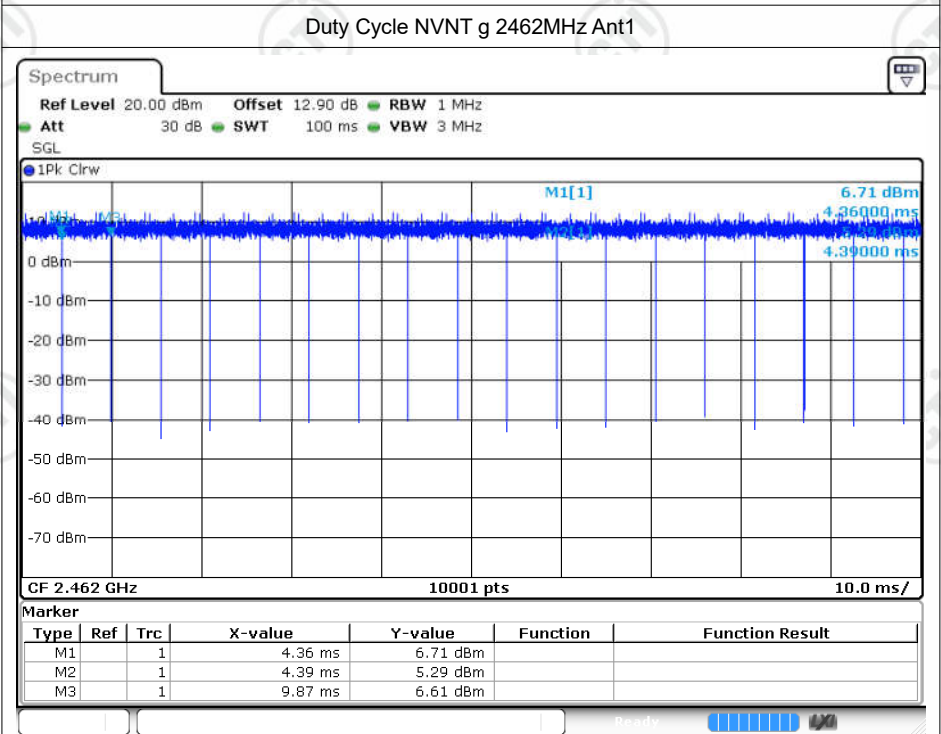
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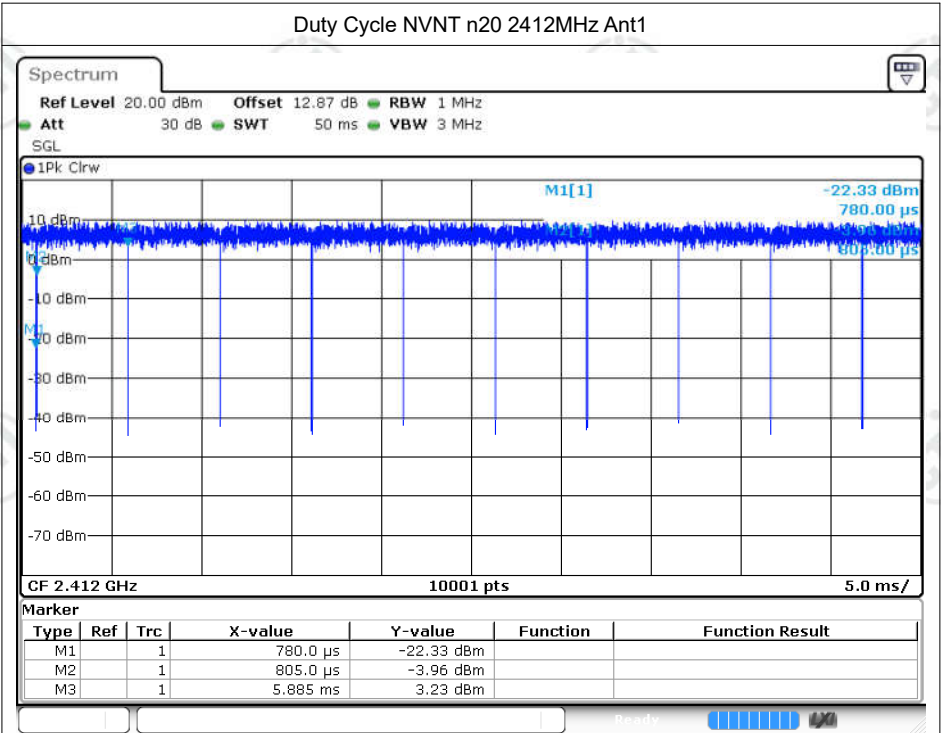
Date: 2.AUG.2023 16:16:35



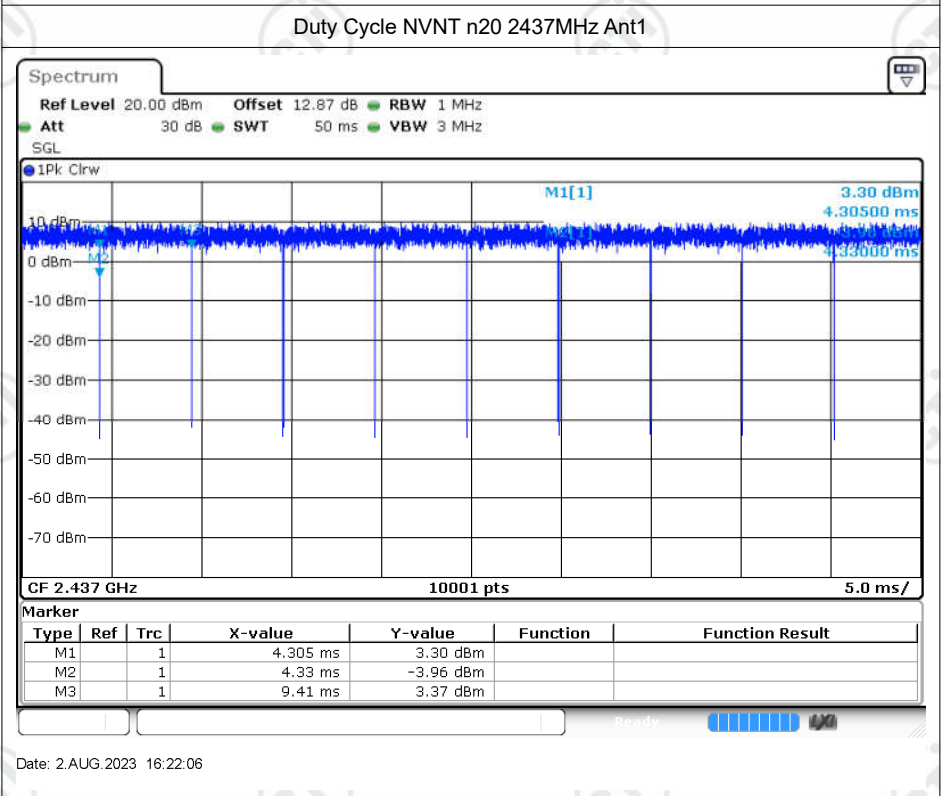
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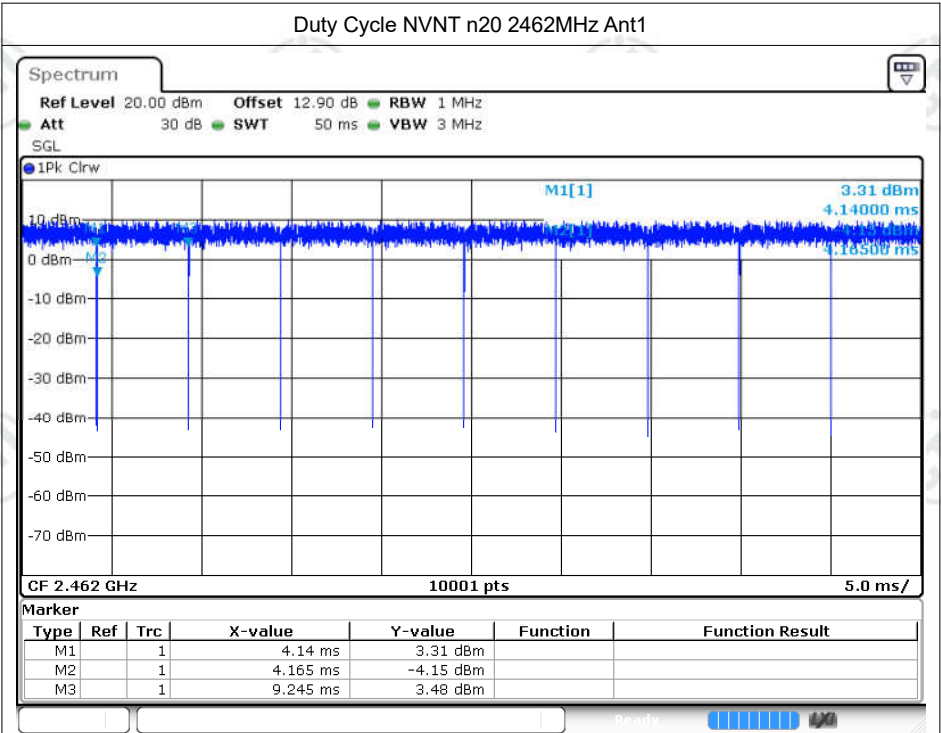
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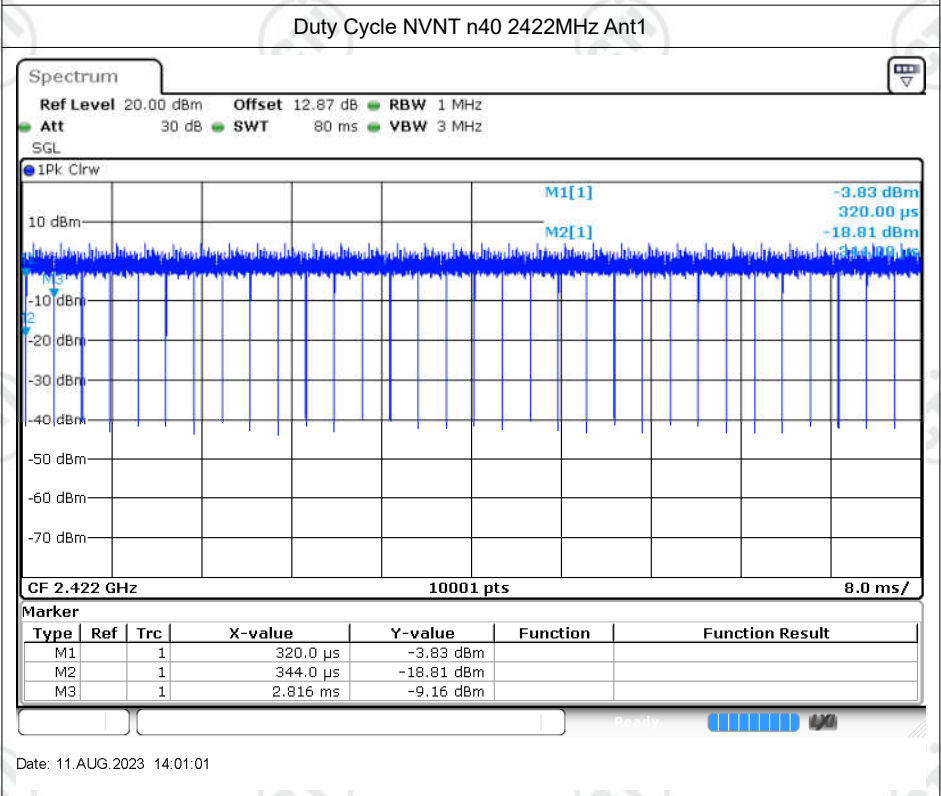
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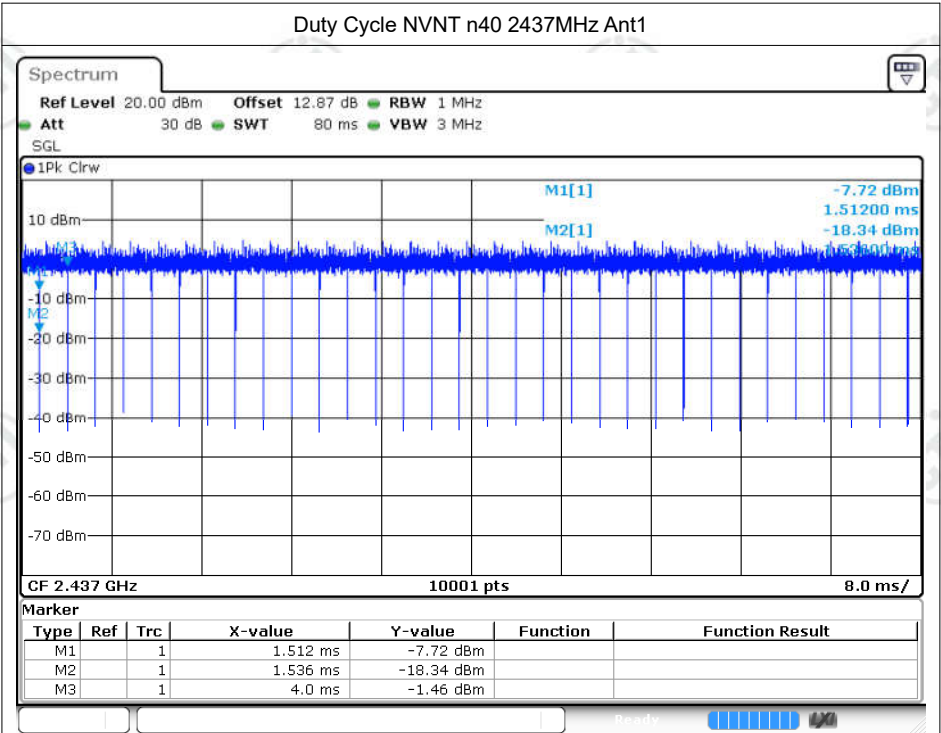
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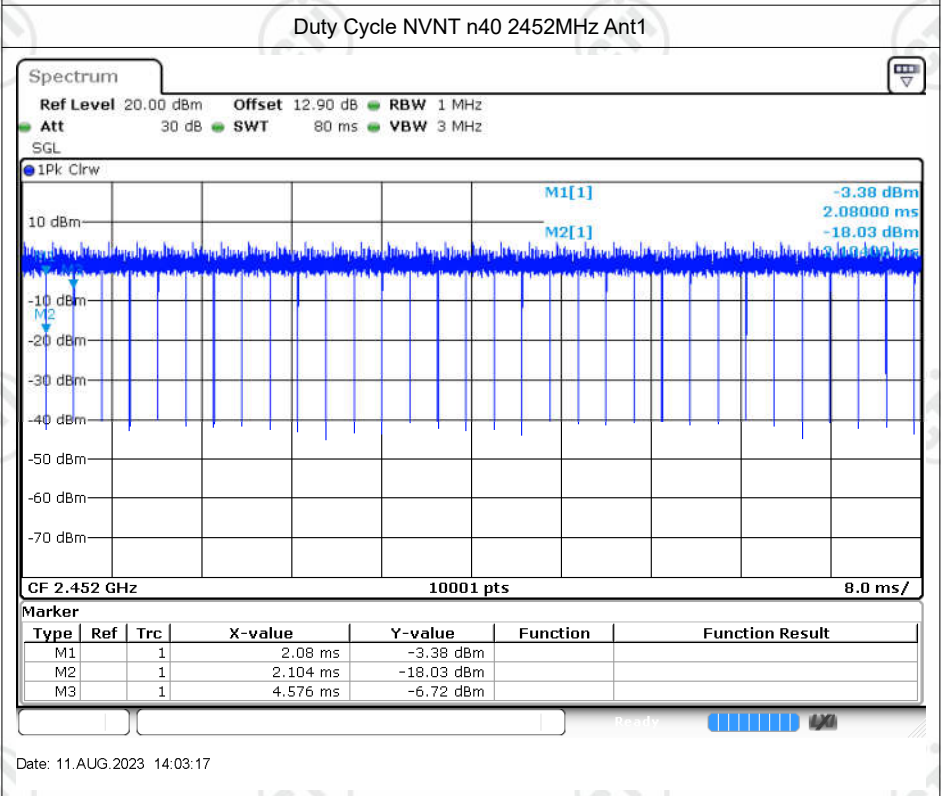
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Date: 11.AUG.2023 14:01:01



Date: 11.AUG.2023 14:01:16



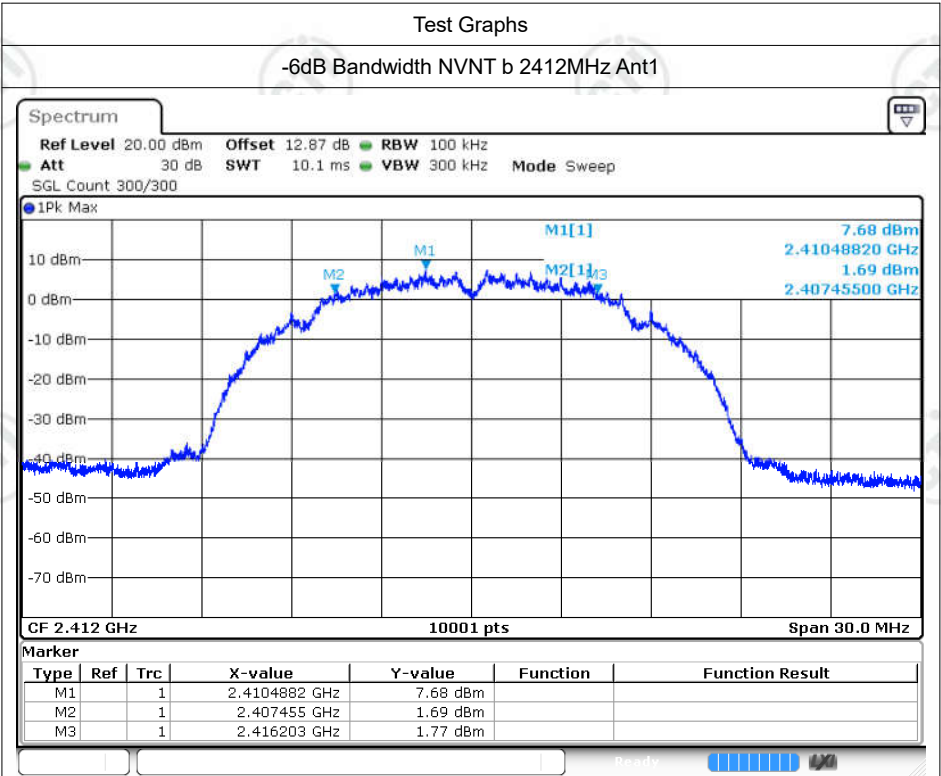
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Maximum Peak Conducted Output Power

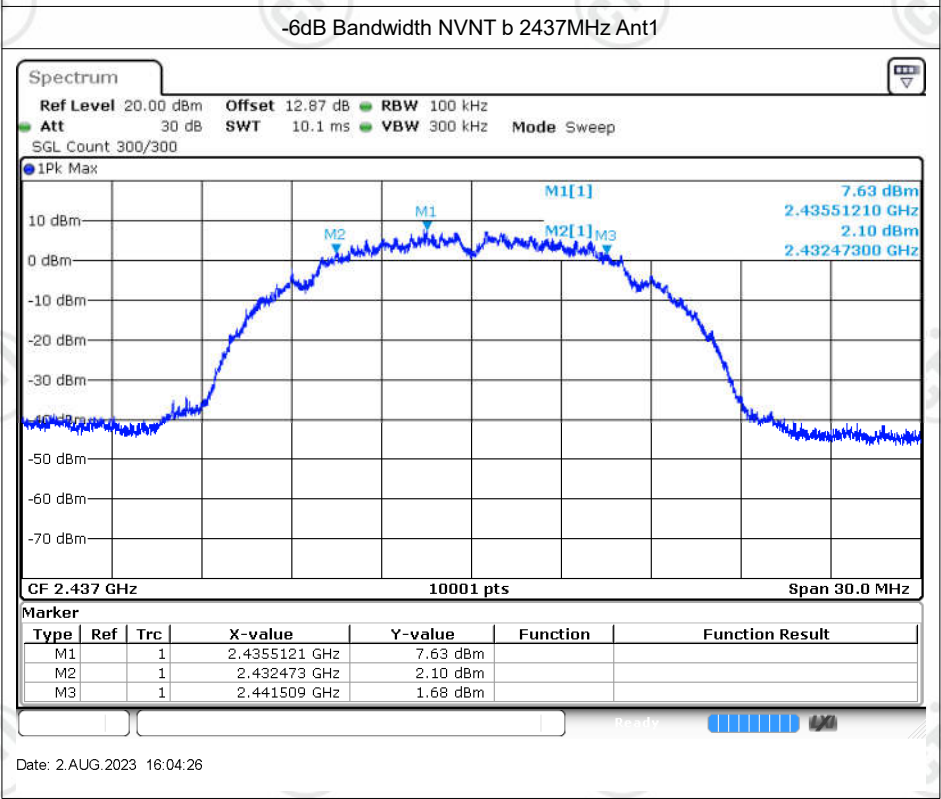
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.96	0	15.96	30	Pass
NVNT	b	2437	Ant1	16.15	0	16.15	30	Pass
NVNT	b	2462	Ant1	16.08	0	16.08	30	Pass
NVNT	g	2412	Ant1	15.35	0	15.35	30	Pass
NVNT	g	2437	Ant1	15.41	0	15.41	30	Pass
NVNT	g	2462	Ant1	15.52	0	15.52	30	Pass
NVNT	n20	2412	Ant1	14.23	0	14.23	30	Pass
NVNT	n20	2437	Ant1	14.42	0	14.42	30	Pass
NVNT	n20	2462	Ant1	14.39	0	14.39	30	Pass
NVNT	n40	2422	Ant1	12.94	0	12.94	30	Pass
NVNT	n40	2437	Ant1	12.78	0	12.78	30	Pass
NVNT	n40	2452	Ant1	12.74	0	12.74	30	Pass

-6dB Bandwidth

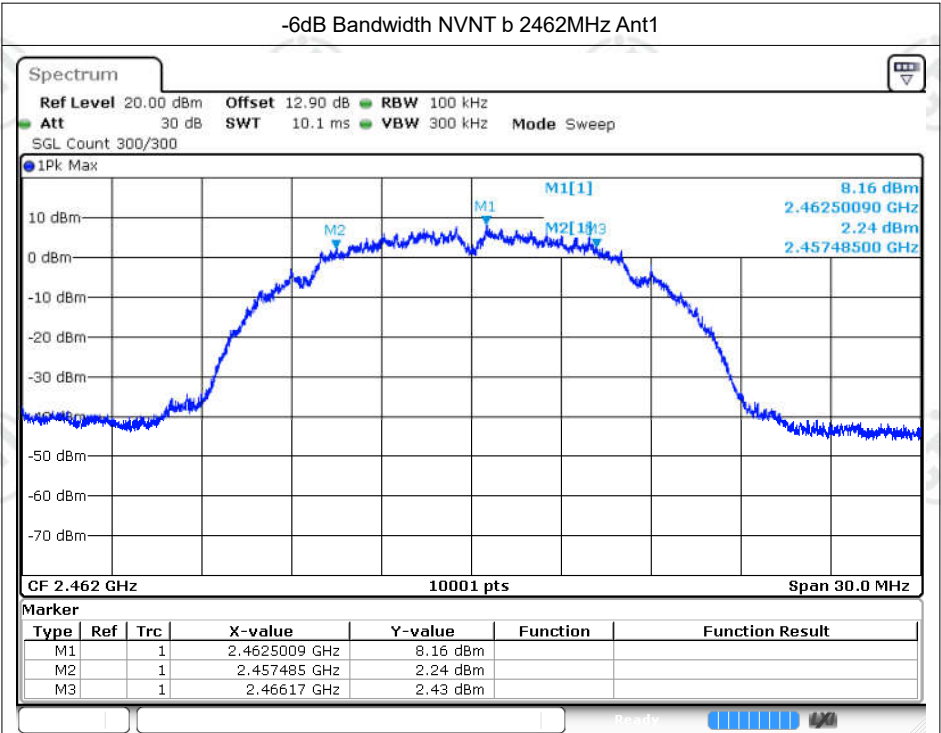
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.748	0.5	Pass
NVNT	b	2437	Ant1	9.036	0.5	Pass
NVNT	b	2462	Ant1	8.685	0.5	Pass
NVNT	g	2412	Ant1	16.299	0.5	Pass
NVNT	g	2437	Ant1	16.305	0.5	Pass
NVNT	g	2462	Ant1	16.296	0.5	Pass
NVNT	n20	2412	Ant1	16.536	0.5	Pass
NVNT	n20	2437	Ant1	16.296	0.5	Pass
NVNT	n20	2462	Ant1	16.767	0.5	Pass
NVNT	n40	2422	Ant1	35.07	0.5	Pass
NVNT	n40	2437	Ant1	35.028	0.5	Pass
NVNT	n40	2452	Ant1	33.75	0.5	Pass



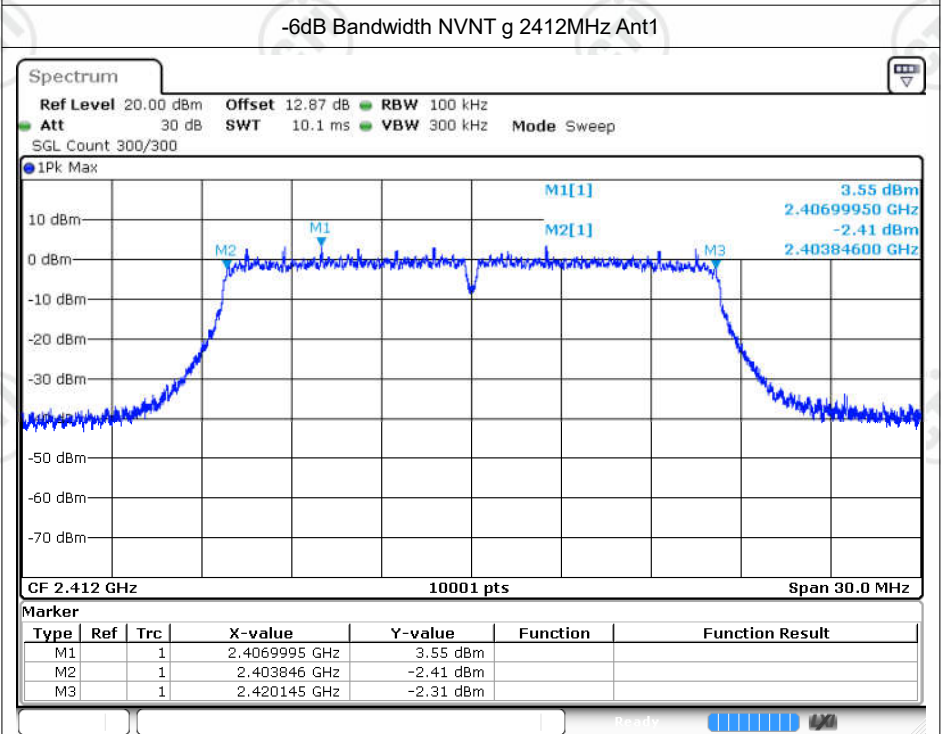
Date: 2.AUG.2023 16:02:21



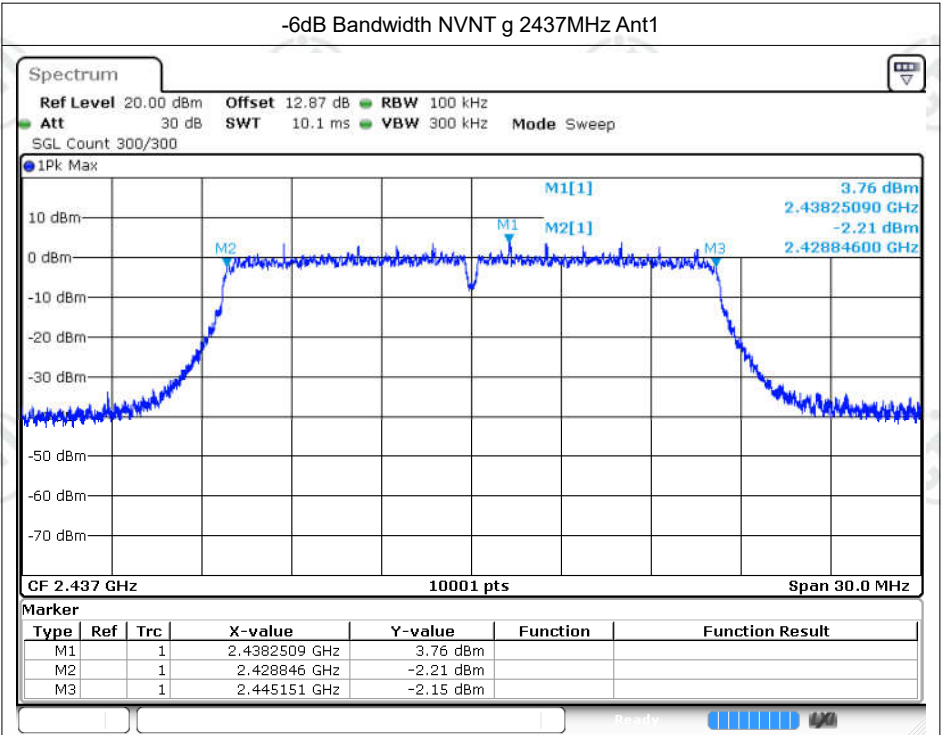
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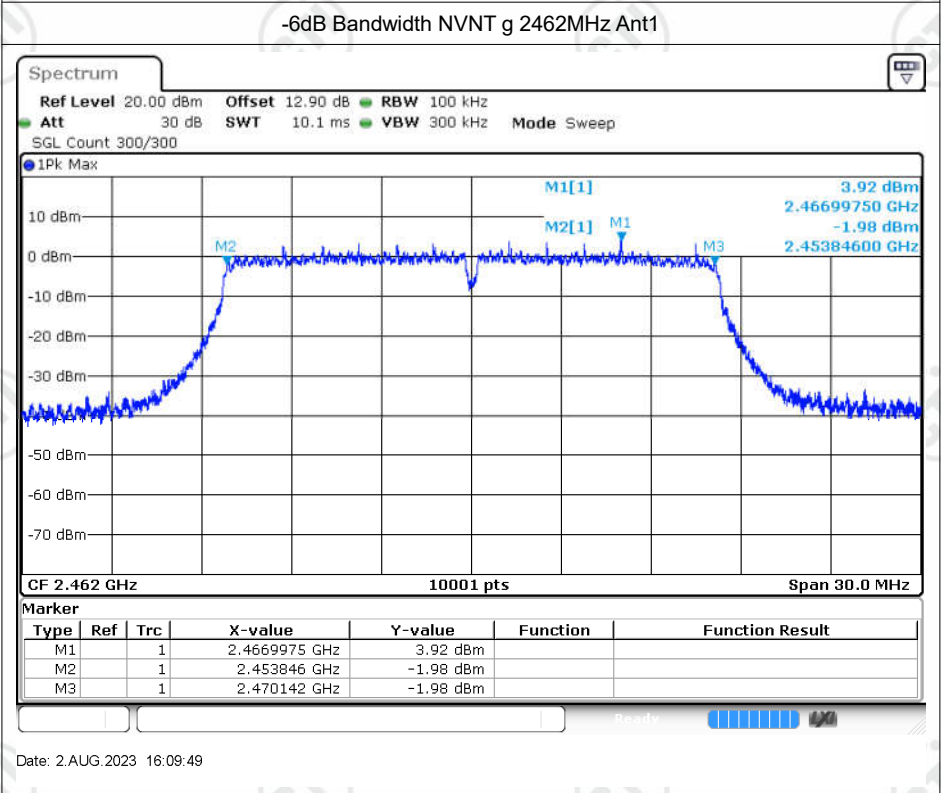
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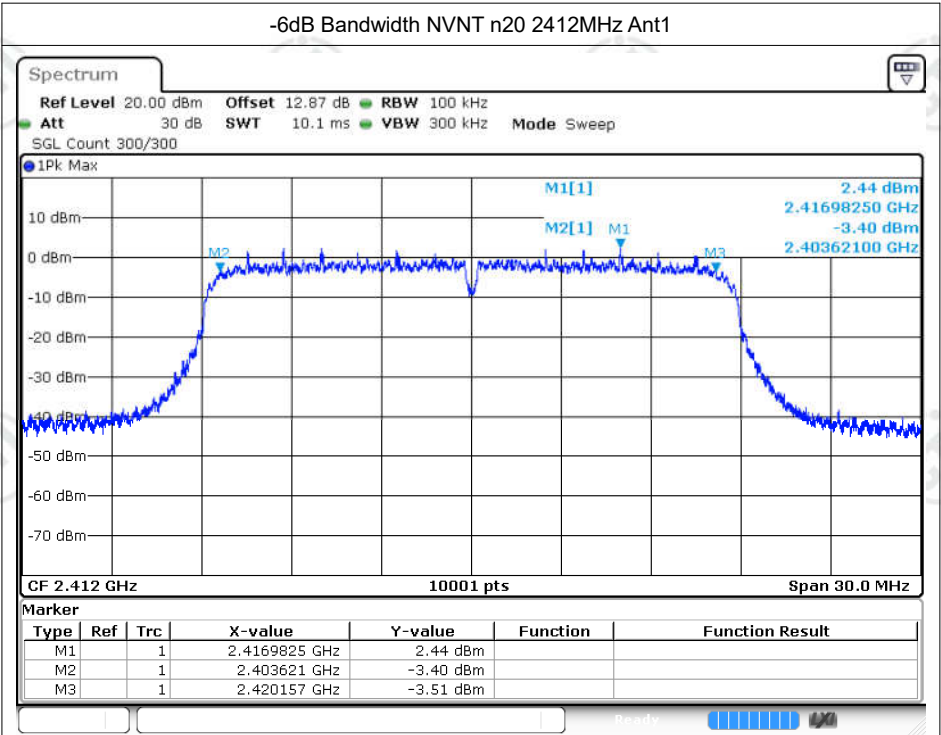
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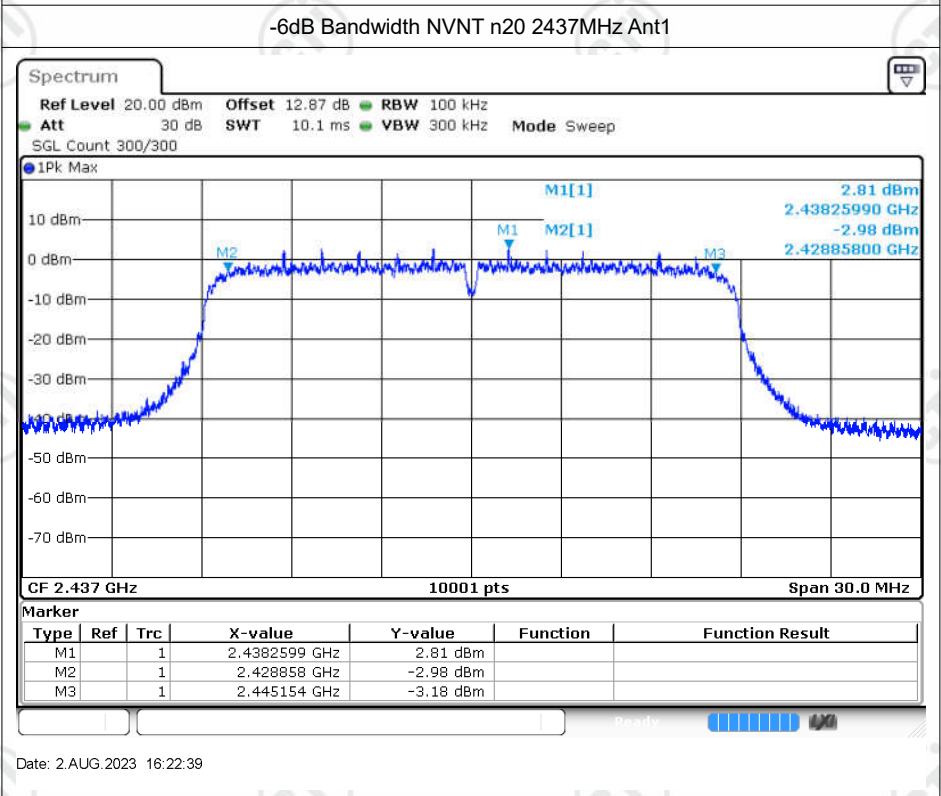
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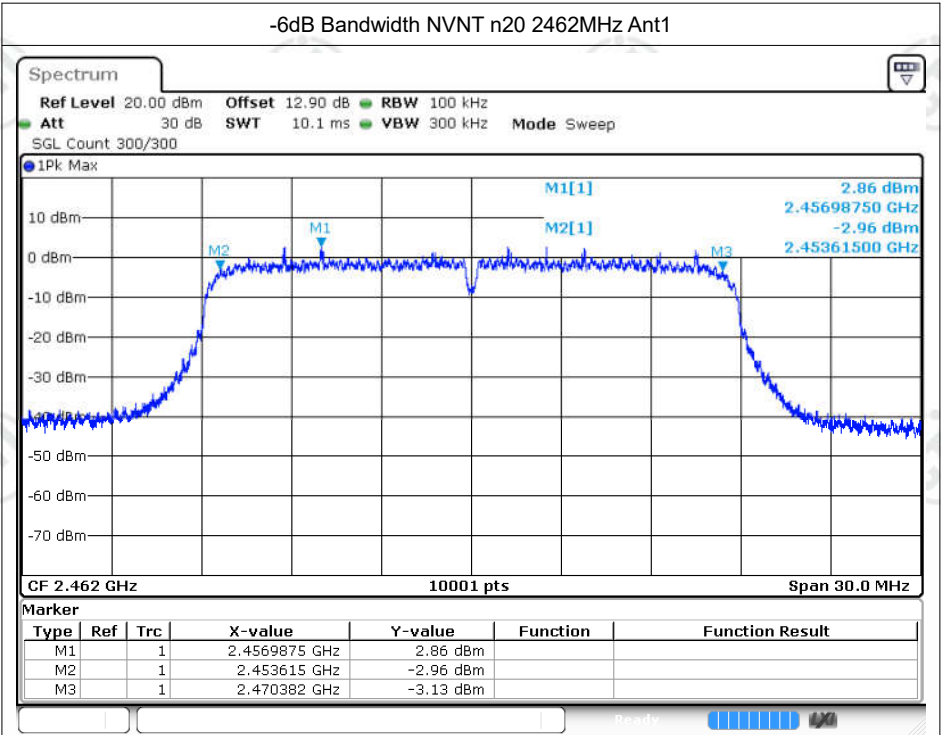
Date: 2.AUG.2023 16:09:49



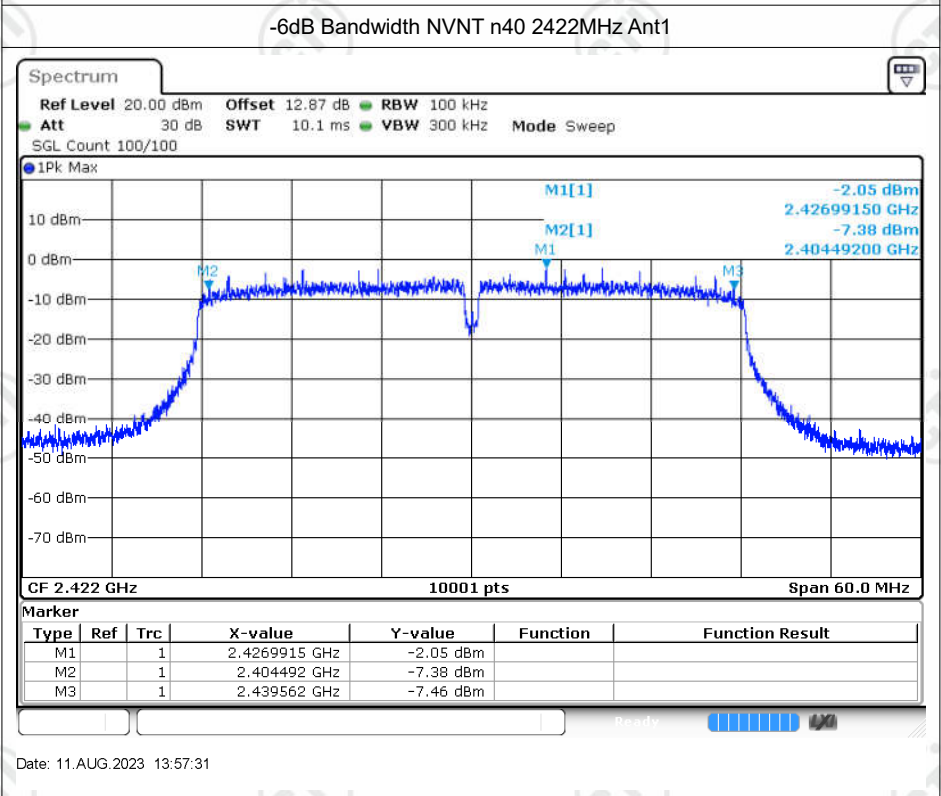
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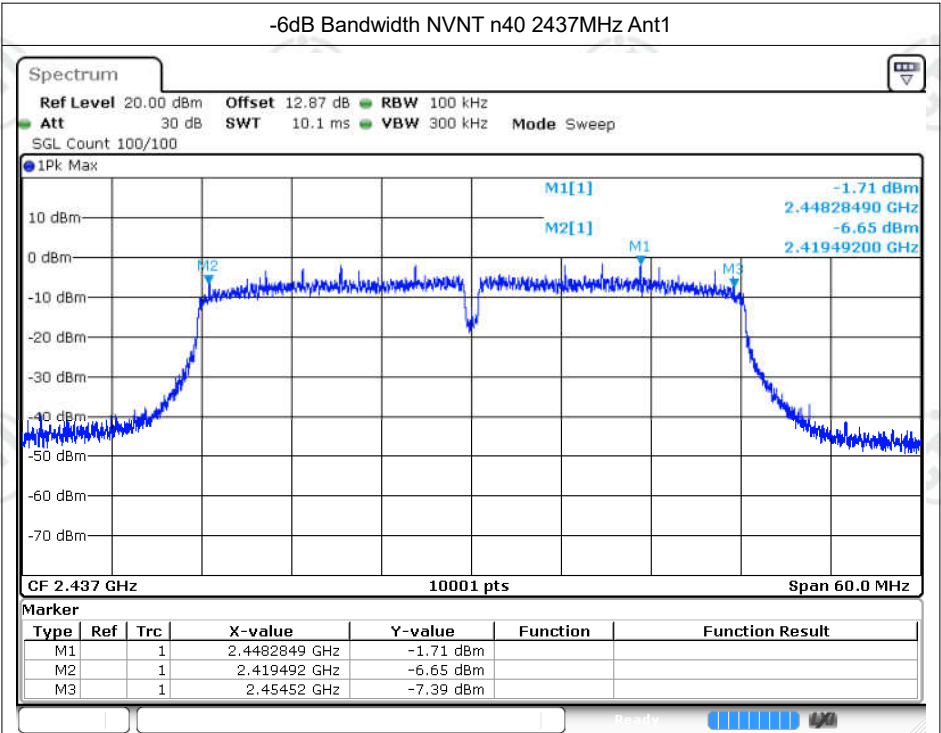
Date: 2.AUG.2023 16:22:39



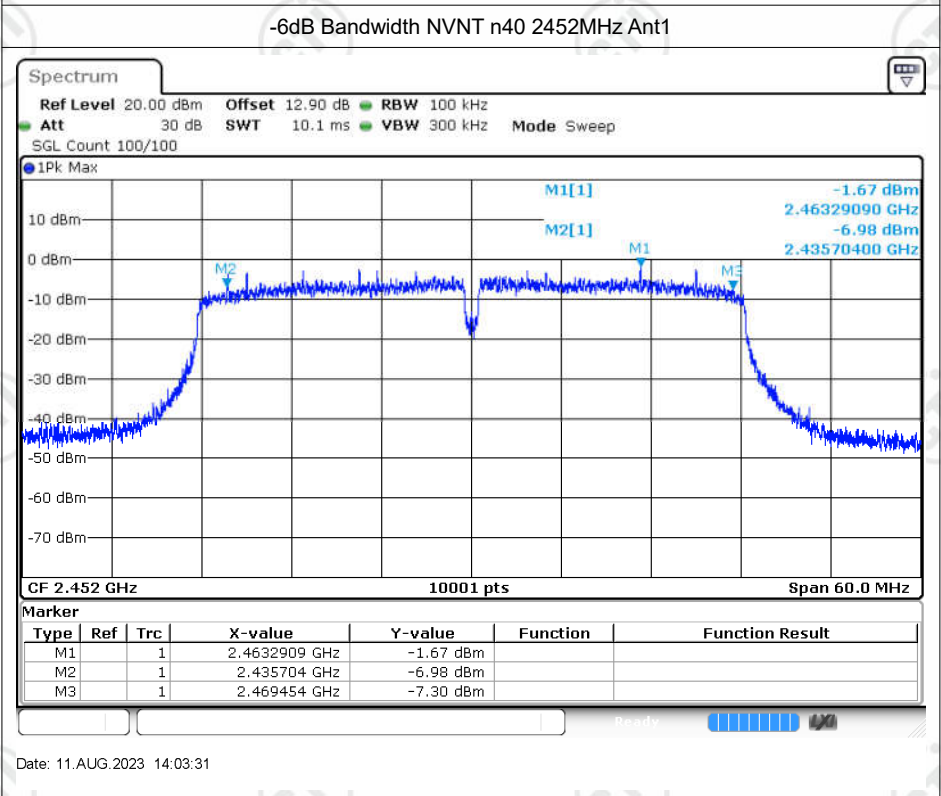
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Date: 11.AUG.2023 13:57:31



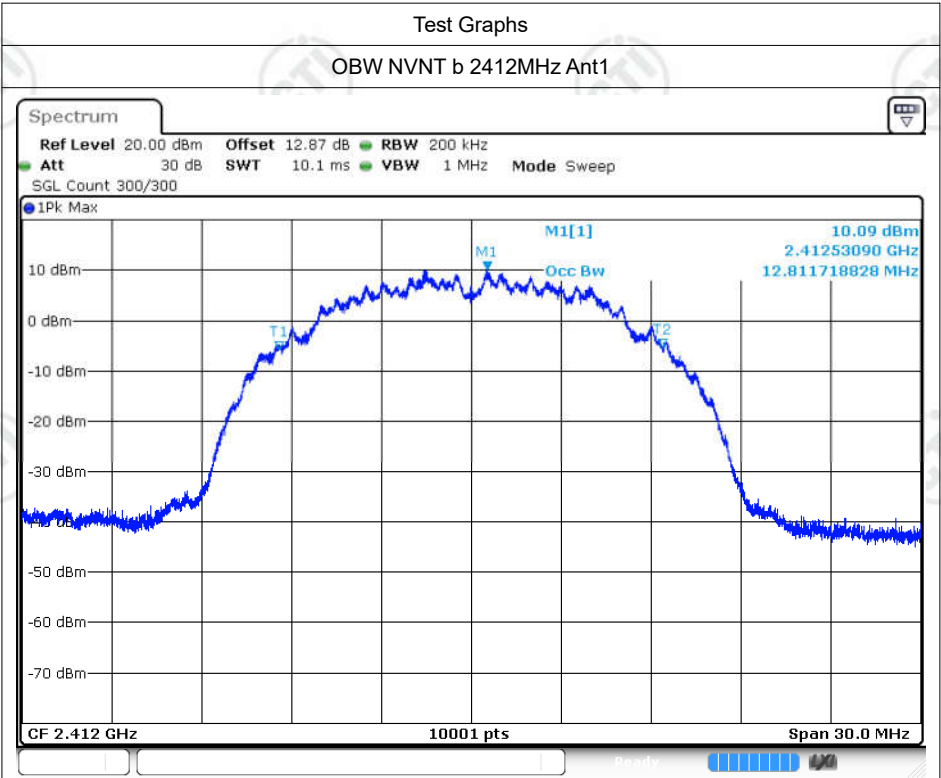
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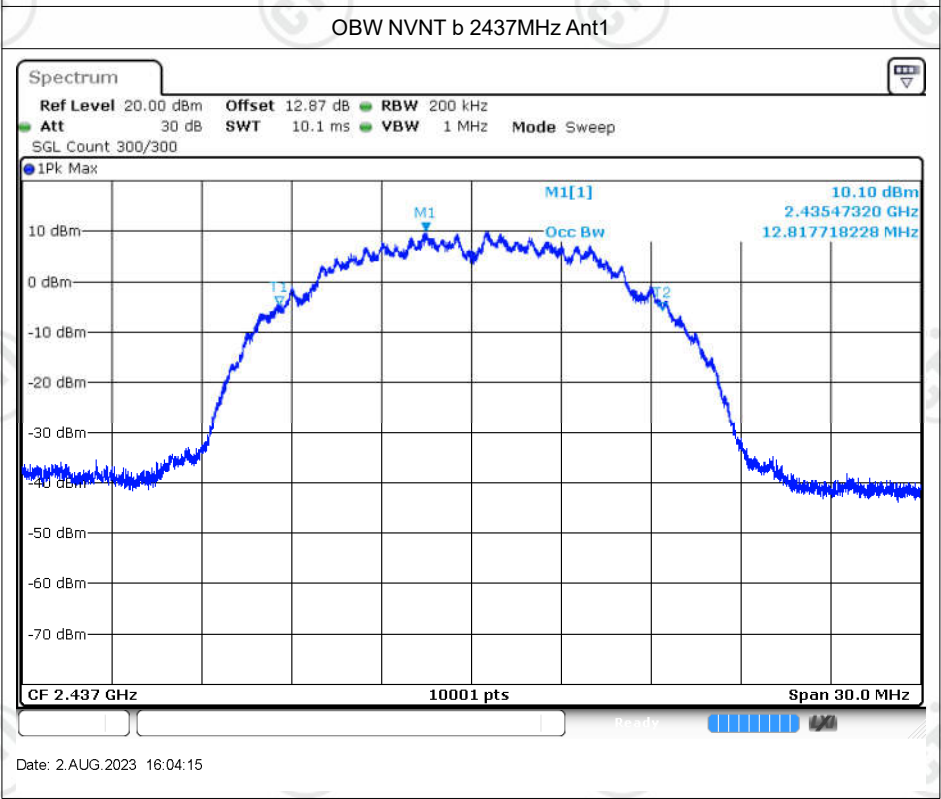
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Occupied Channel Bandwidth

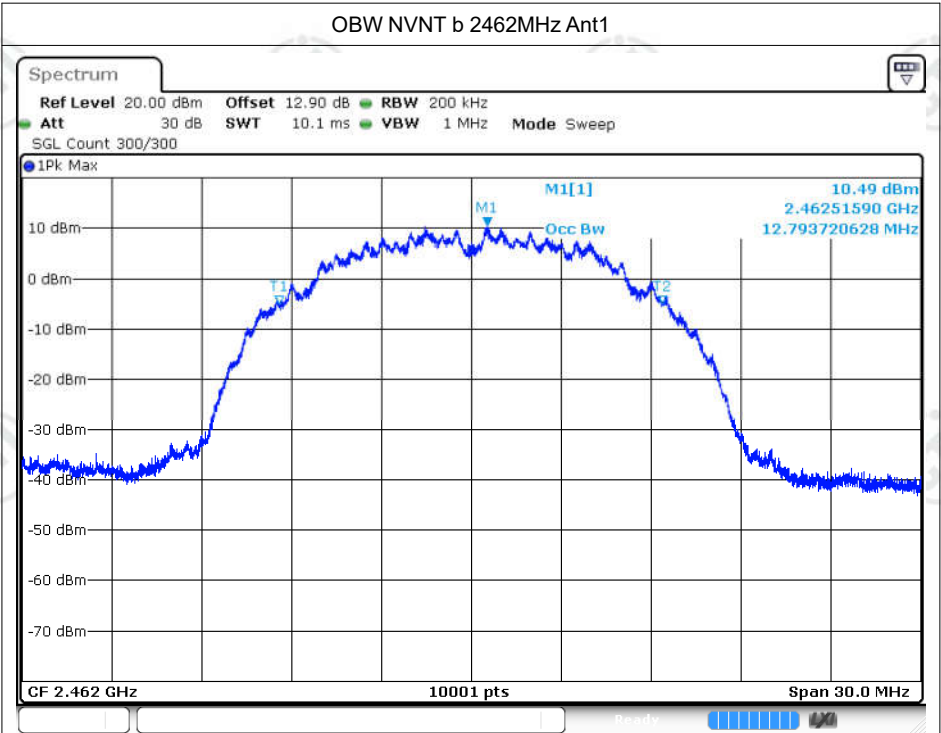
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.812
NVNT	b	2437	Ant1	12.818
NVNT	b	2462	Ant1	12.794
NVNT	g	2412	Ant1	16.339
NVNT	g	2437	Ant1	16.348
NVNT	g	2462	Ant1	16.345
NVNT	n20	2412	Ant1	17.203
NVNT	n20	2437	Ant1	17.206
NVNT	n20	2462	Ant1	17.209
NVNT	n40	2422	Ant1	35.942
NVNT	n40	2437	Ant1	35.936
NVNT	n40	2452	Ant1	35.912



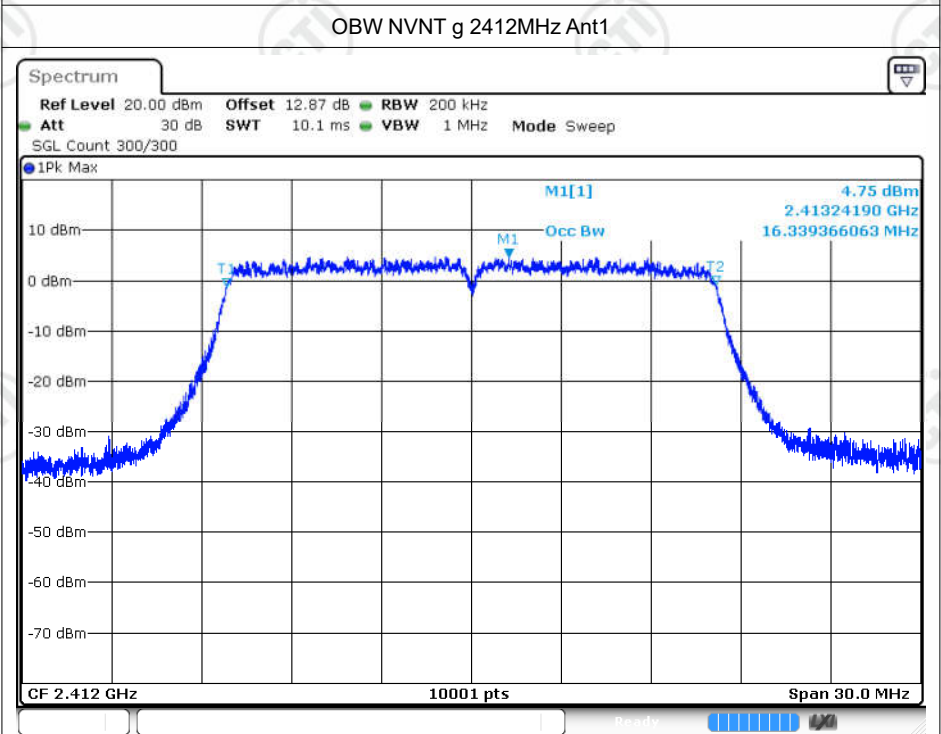
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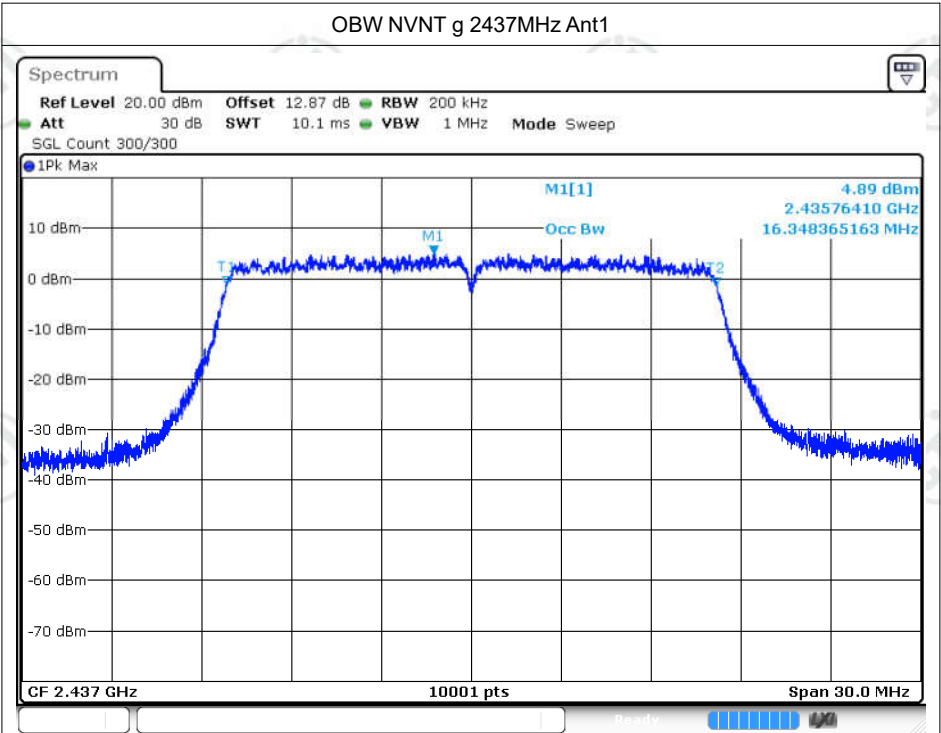
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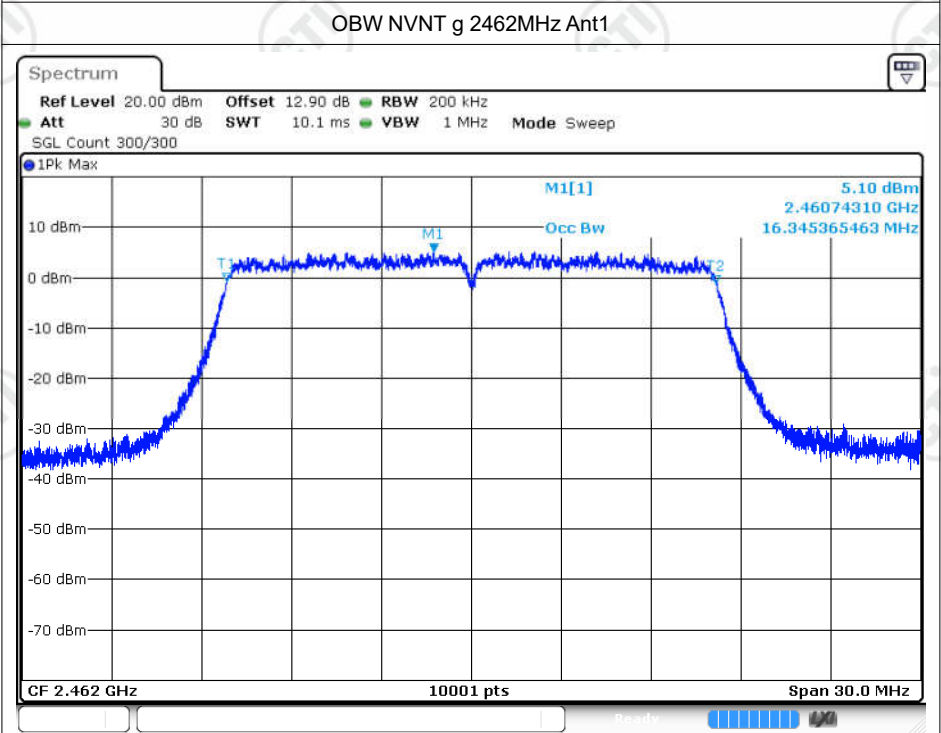
Date: 2.AUG.2023 16:06:10



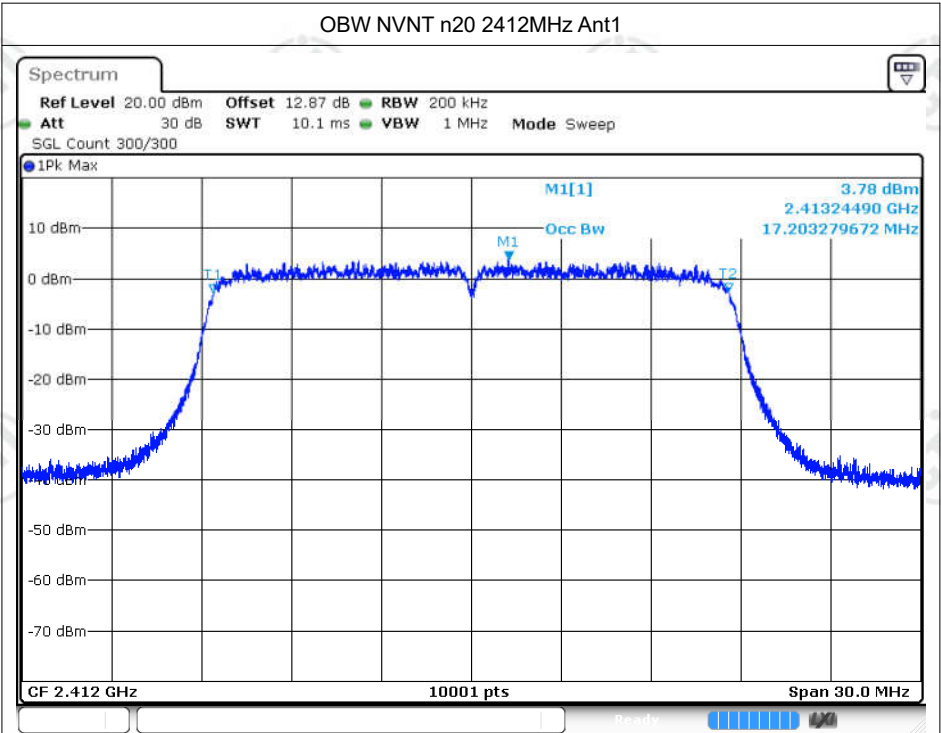
Date: 2.AUG.2023 16:15:01



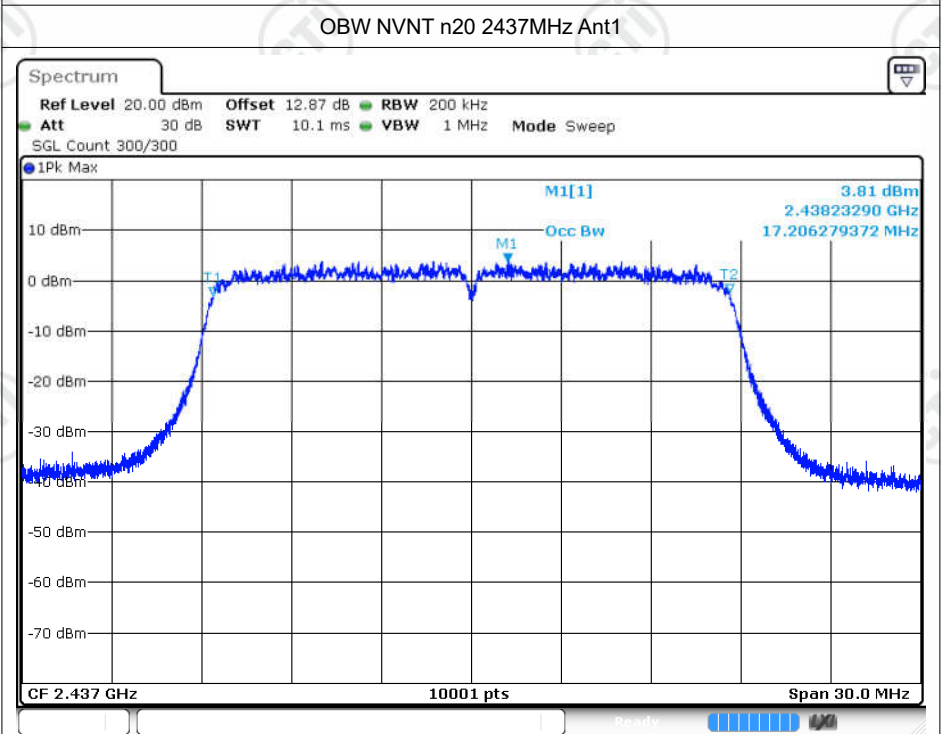
Date: 2.AUG.2023 16:12:49



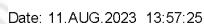
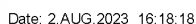
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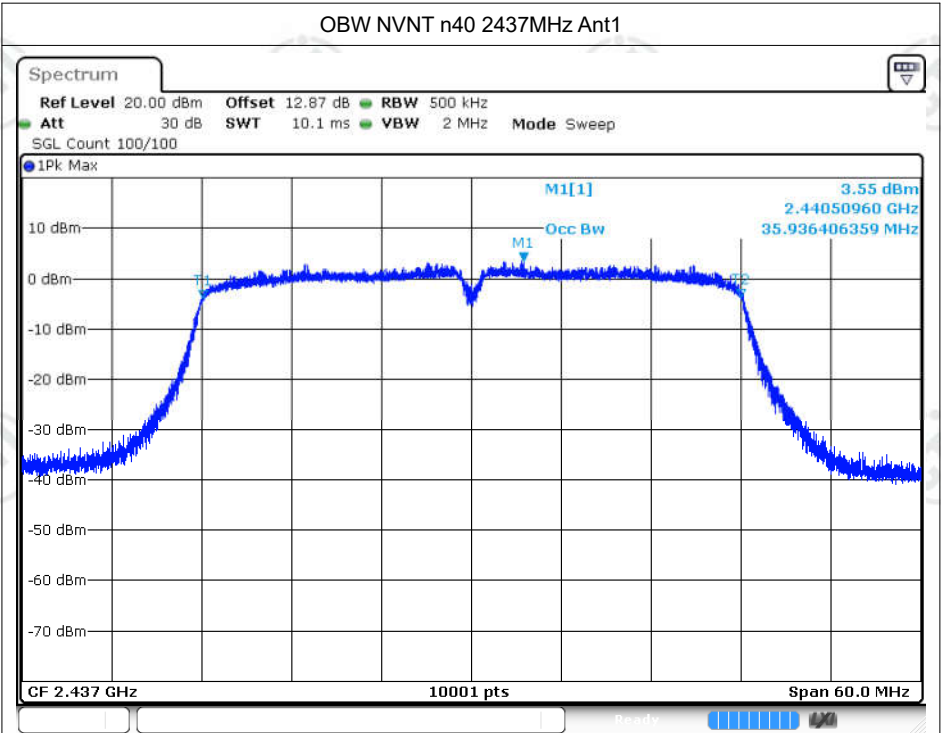


Date: 2.AUG.2023 16:20:26

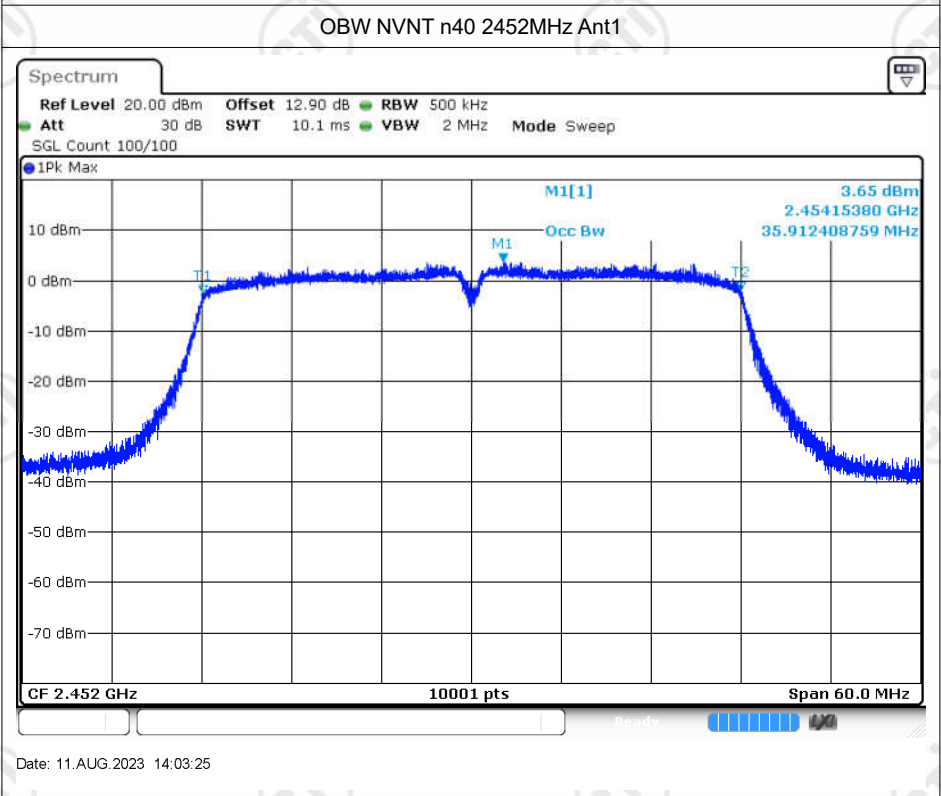


Date: 2.AUG.2023 16:22:28





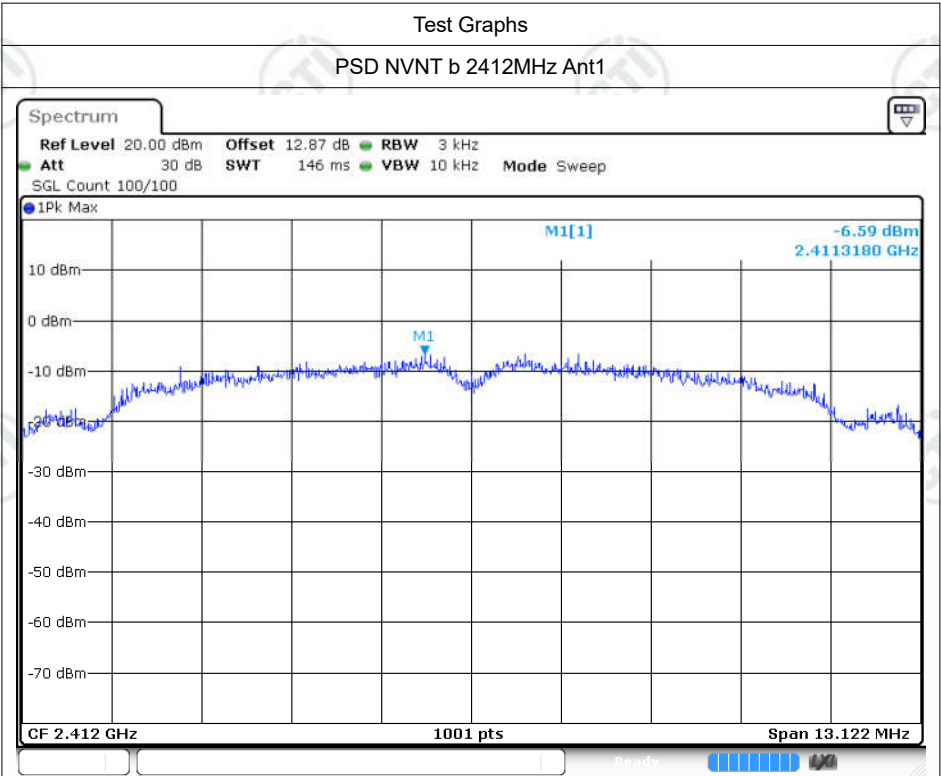
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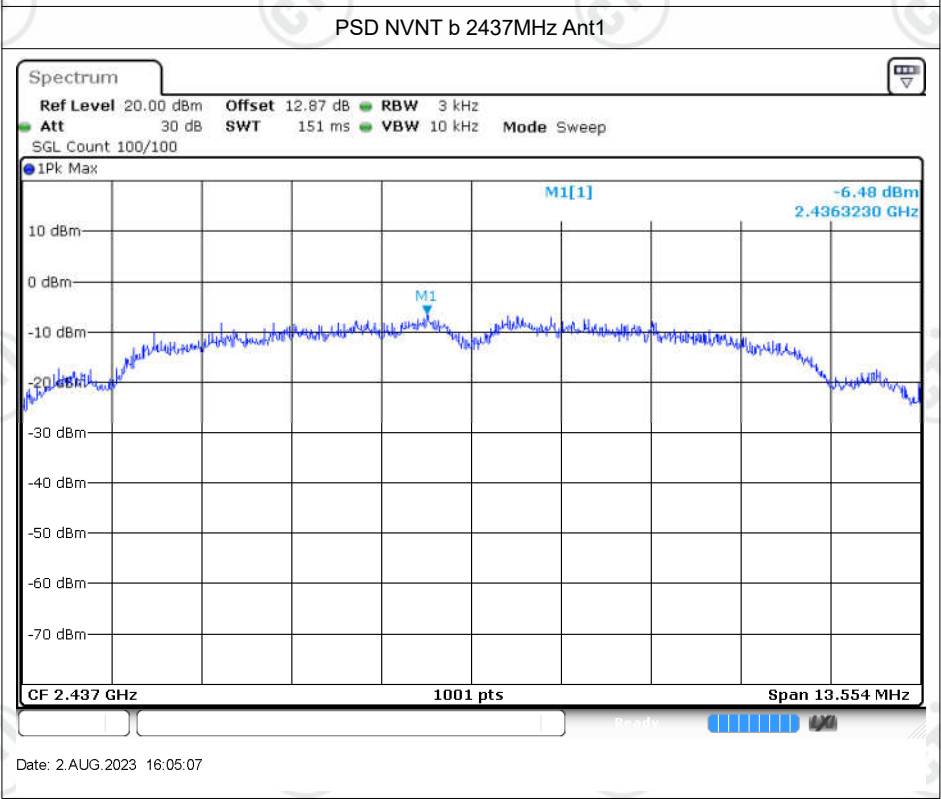
Date: 11.AUG.2023 14:03:25

Maximum Power Spectral Density Level

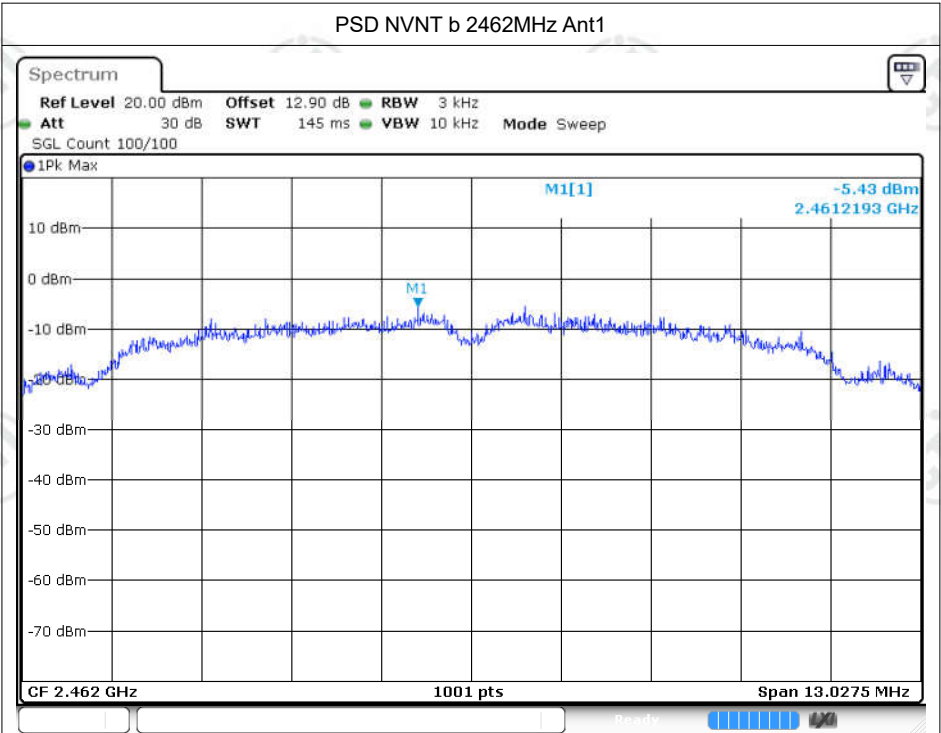
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-6.59	0	-6.59	8	Pass
NVNT	b	2437	Ant1	-6.48	0	-6.48	8	Pass
NVNT	b	2462	Ant1	-5.43	0	-5.43	8	Pass
NVNT	g	2412	Ant1	-10.09	0	-10.09	8	Pass
NVNT	g	2437	Ant1	-9.93	0	-9.93	8	Pass
NVNT	g	2462	Ant1	-9.8	0	-9.80	8	Pass
NVNT	n20	2412	Ant1	-10.36	0	-10.36	8	Pass
NVNT	n20	2437	Ant1	-10.08	0	-10.08	8	Pass
NVNT	n20	2462	Ant1	-9.85	0	-9.85	8	Pass
NVNT	n40	2422	Ant1	-14.55	0	-14.55	8	Pass
NVNT	n40	2437	Ant1	-14.28	0	-14.28	8	Pass
NVNT	n40	2452	Ant1	-14.17	0	-14.17	8	Pass



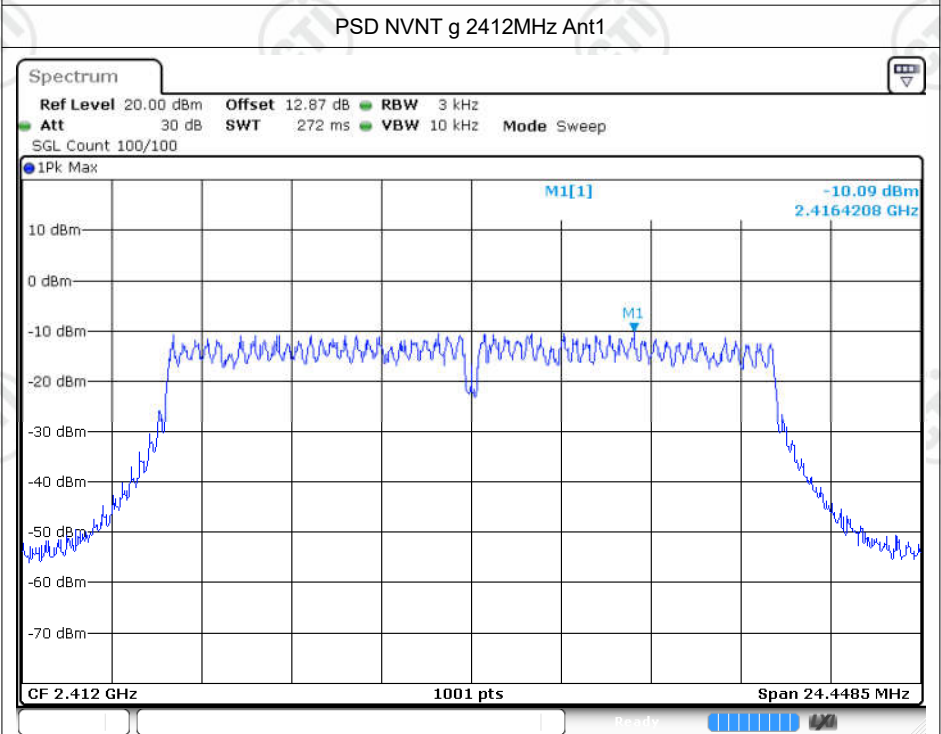
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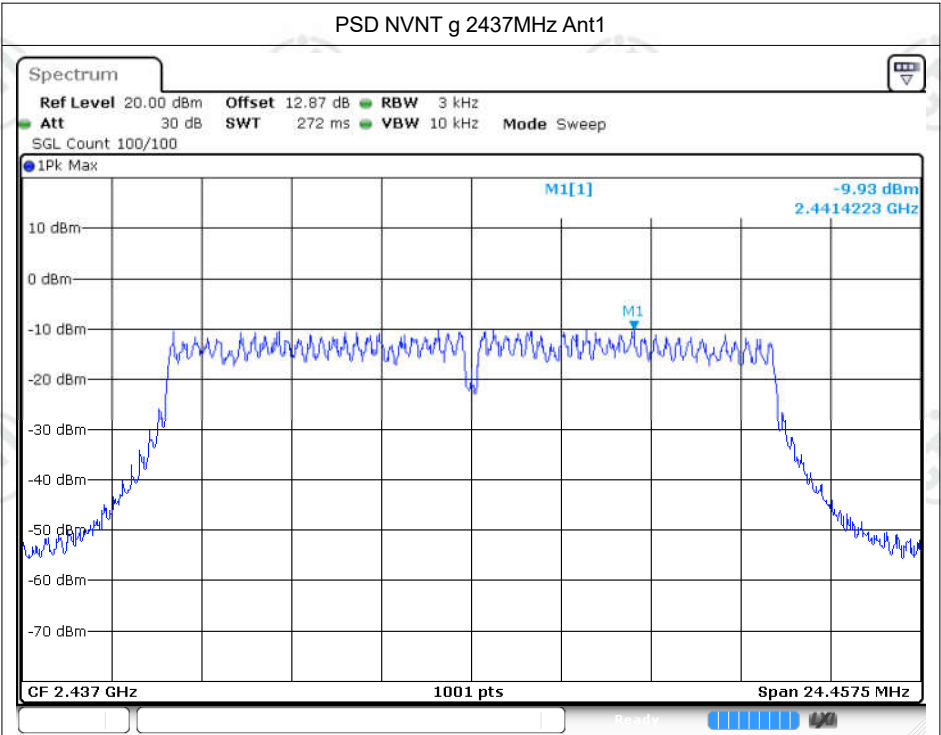
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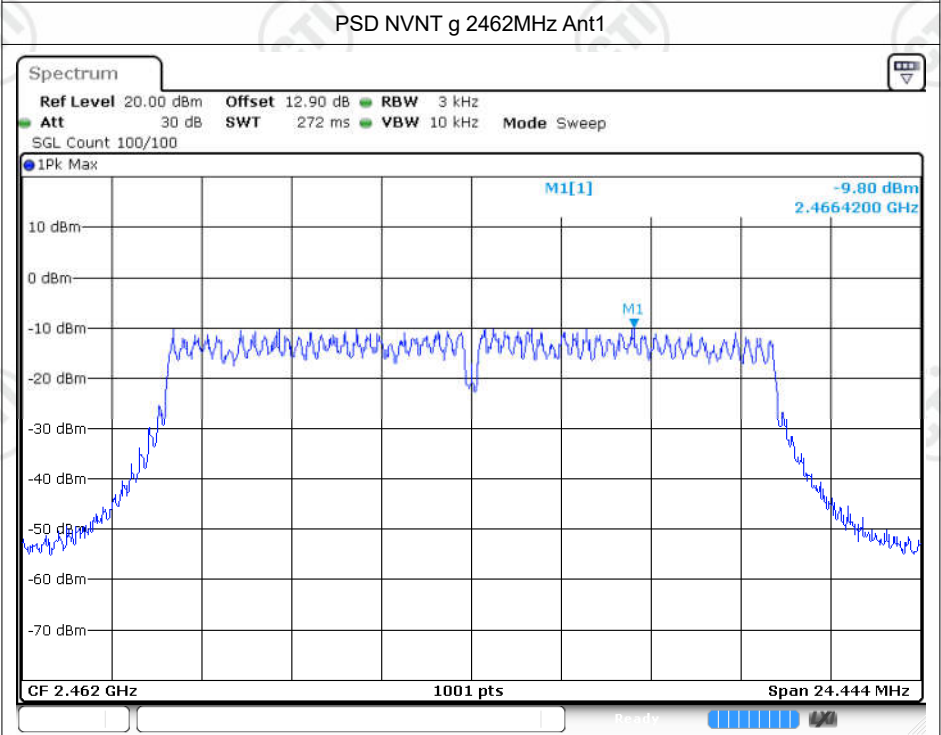
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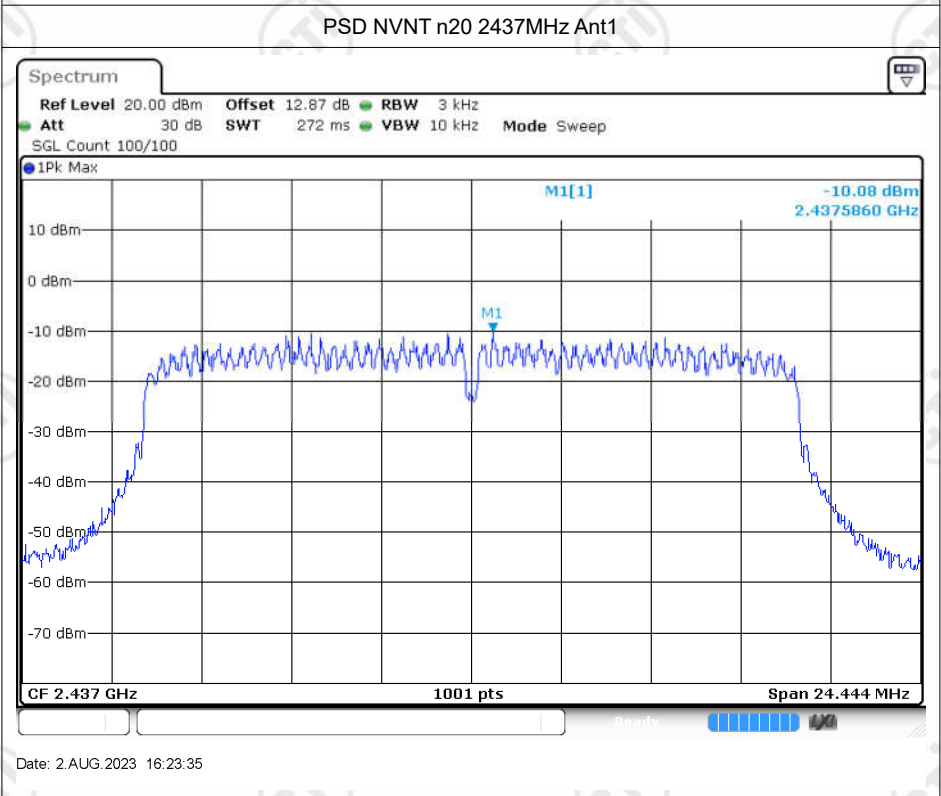
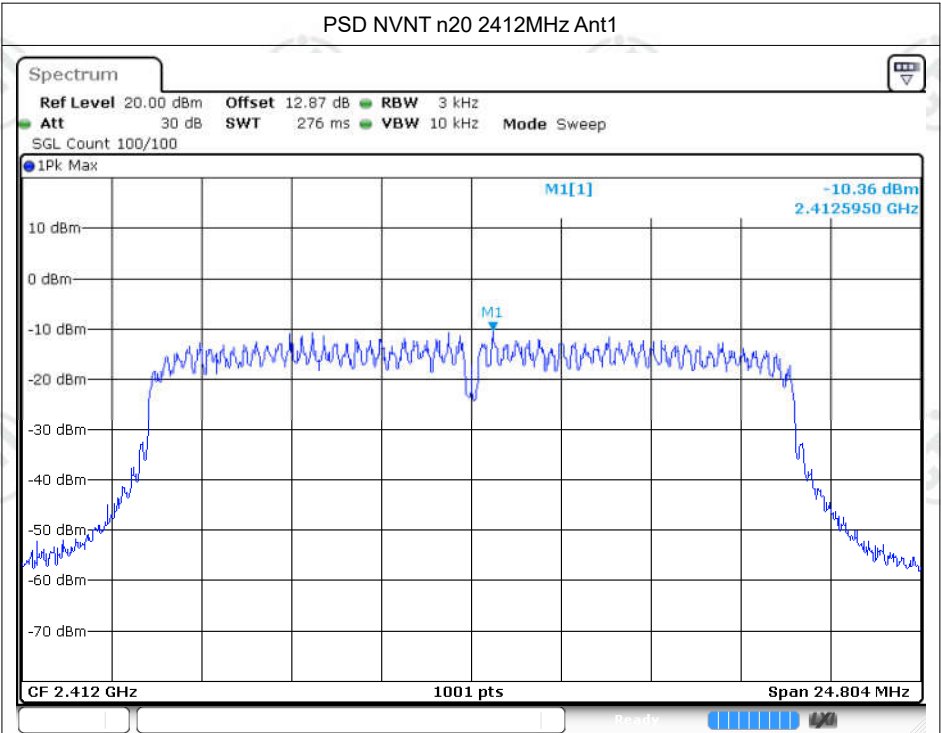
Date: 2.AUG.2023 16:15:48

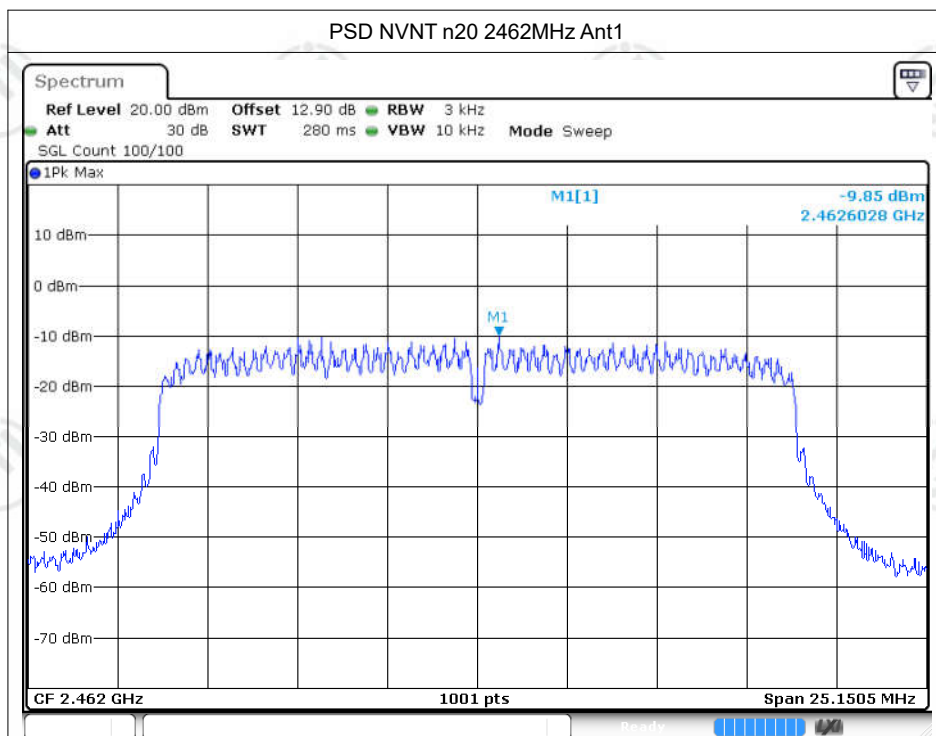


Date: 2.AUG.2023 16:13:57

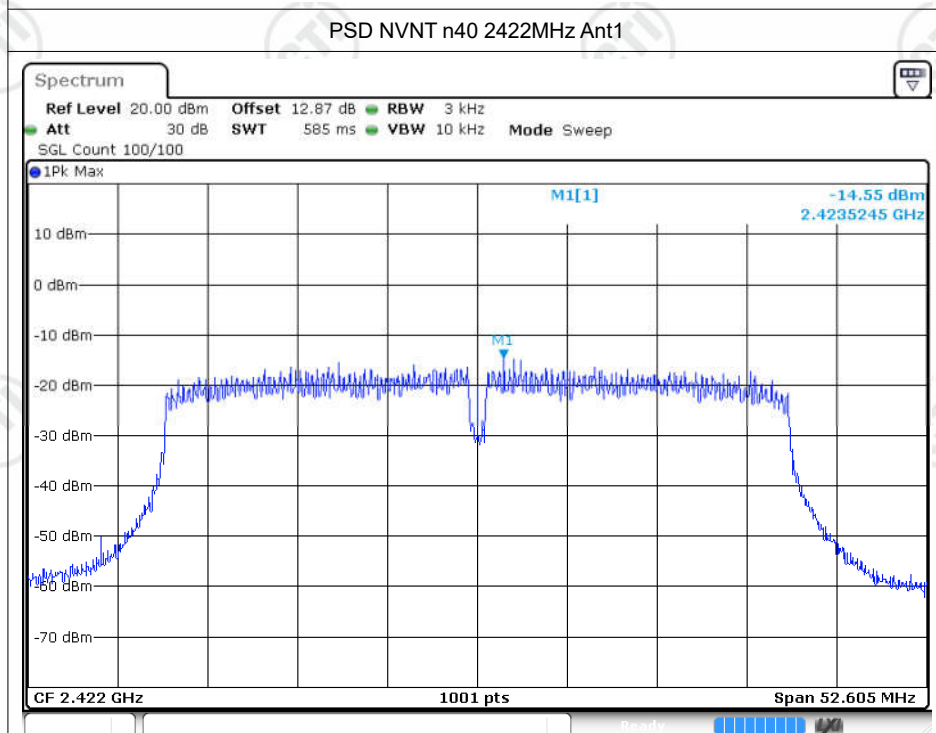


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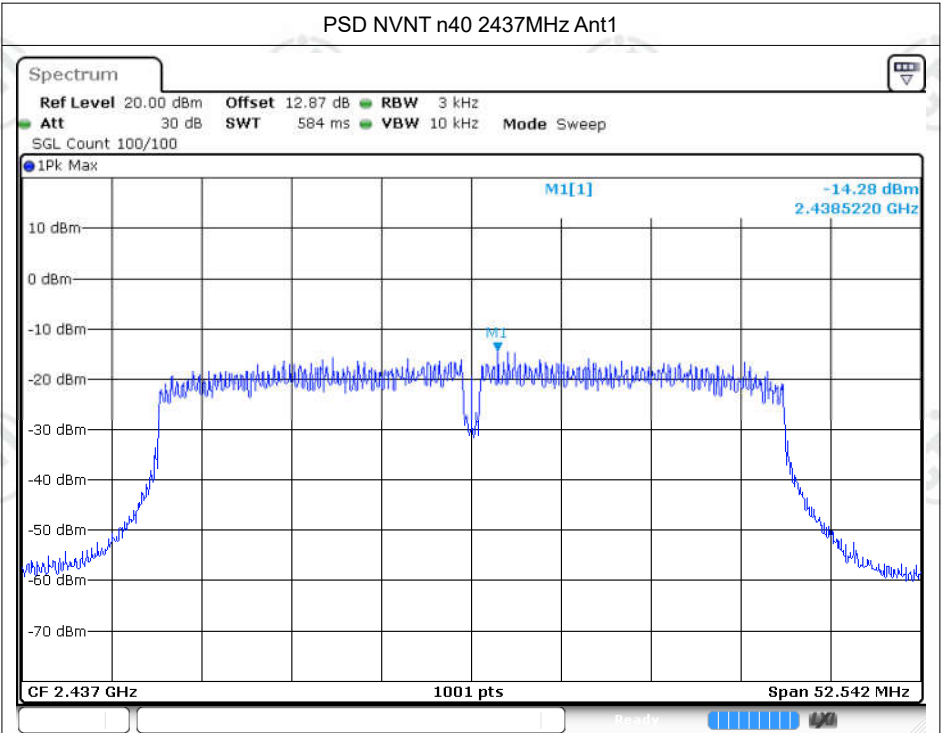




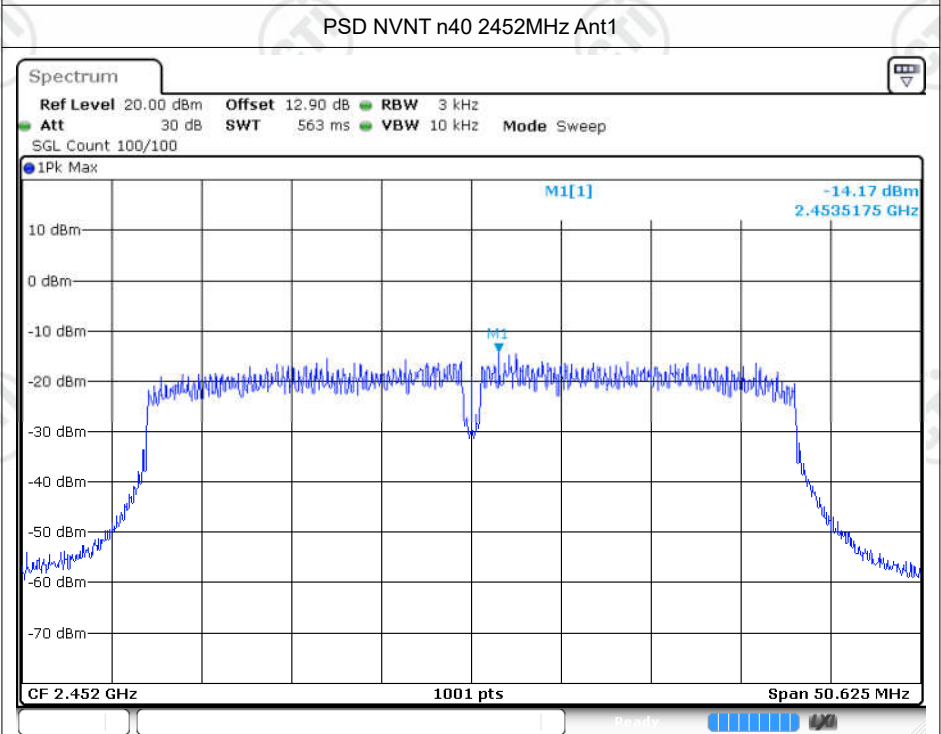
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Date: 11.AUG.2023 13:58:45



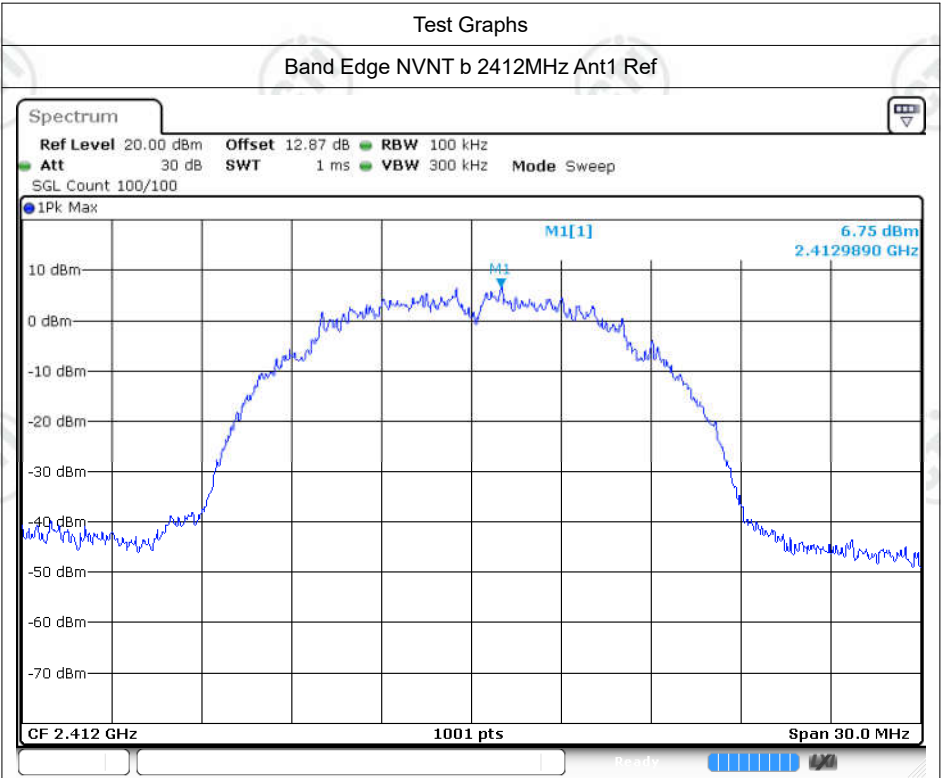
Date: 11.AUG.2023 14:02:42



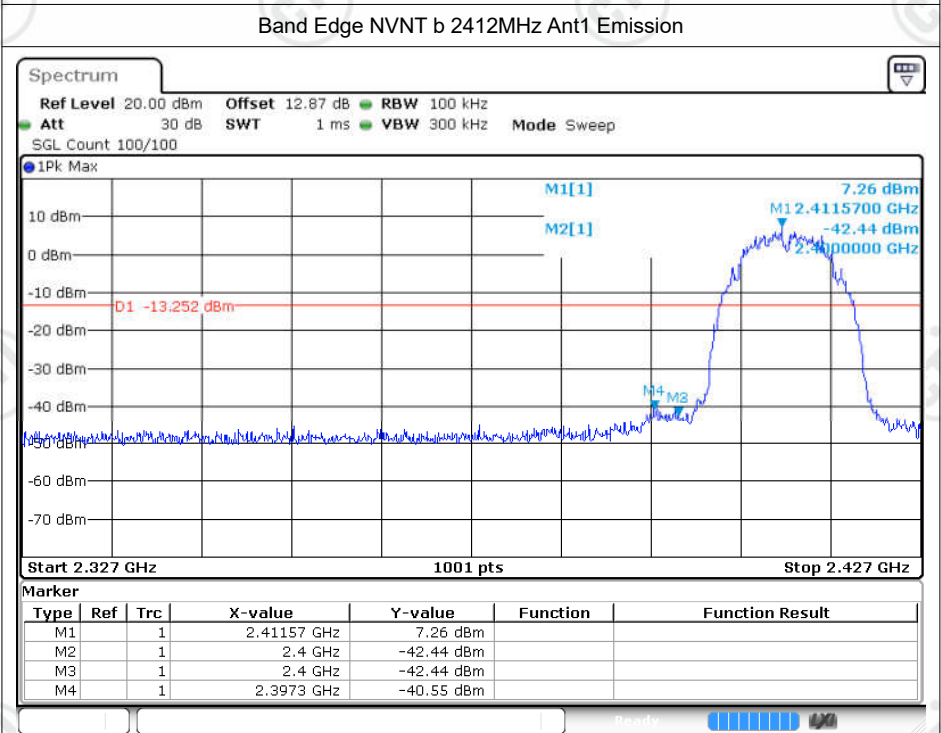
Date: 11.AUG.2023 14:04:43

Band Edge

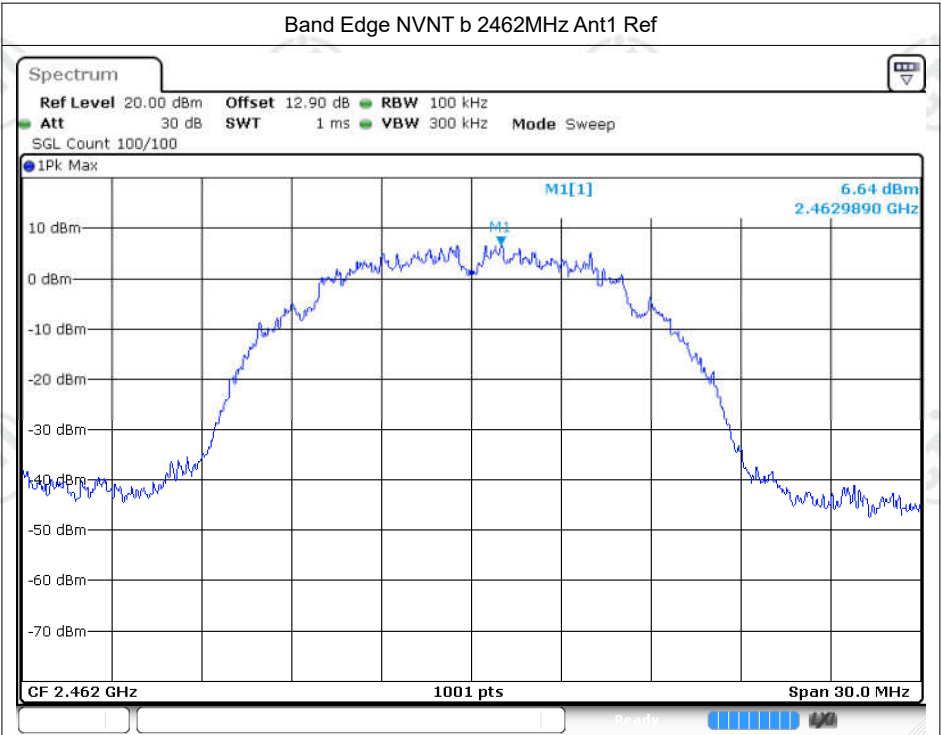
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.30	-20	Pass
NVNT	b	2462	Ant1	-51.06	-20	Pass
NVNT	g	2412	Ant1	-39.85	-20	Pass
NVNT	g	2462	Ant1	-44.61	-20	Pass
NVNT	n20	2412	Ant1	-40.97	-20	Pass
NVNT	n20	2462	Ant1	-44.22	-20	Pass
NVNT	n40	2422	Ant1	-39.05	-20	Pass
NVNT	n40	2452	Ant1	-41.45	-20	Pass



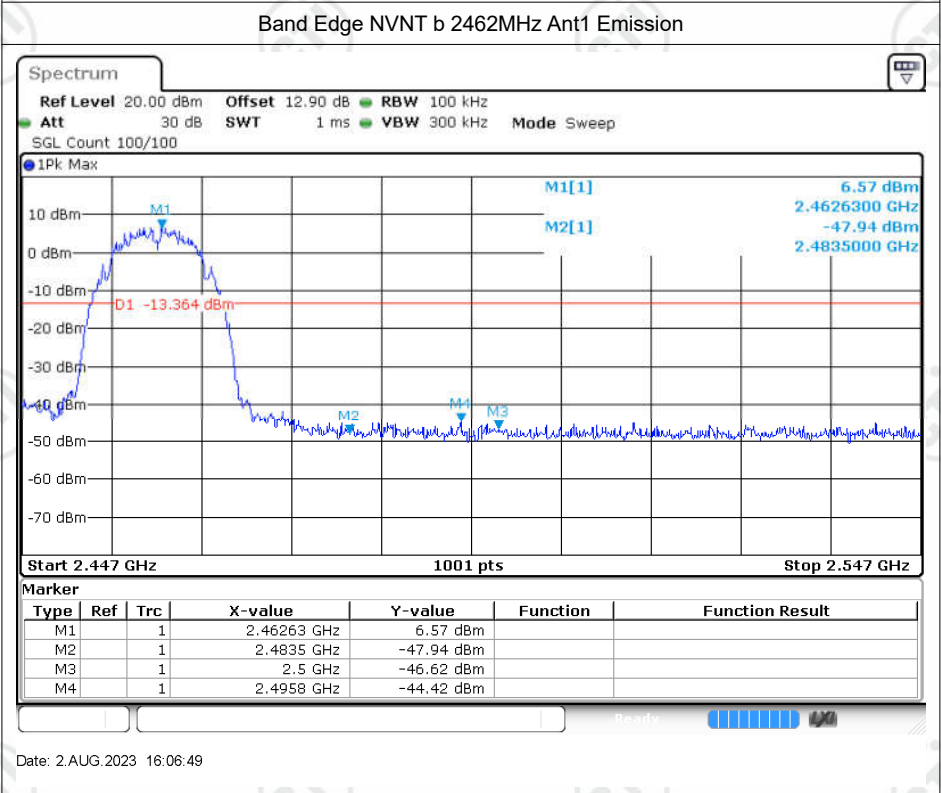
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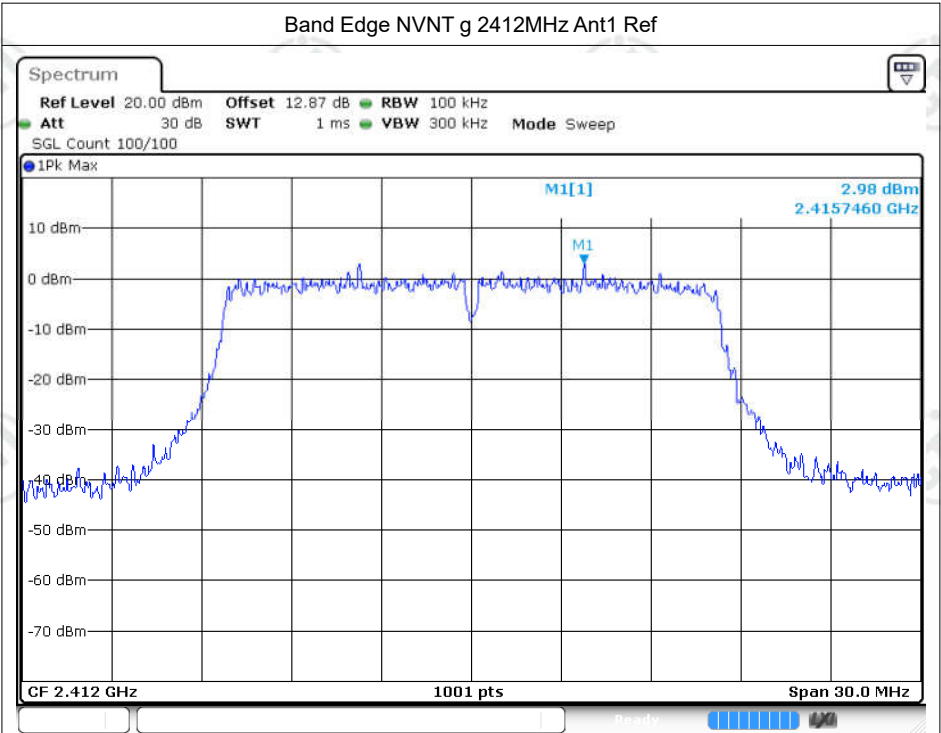
Date: 2.AUG.2023 16:02:47



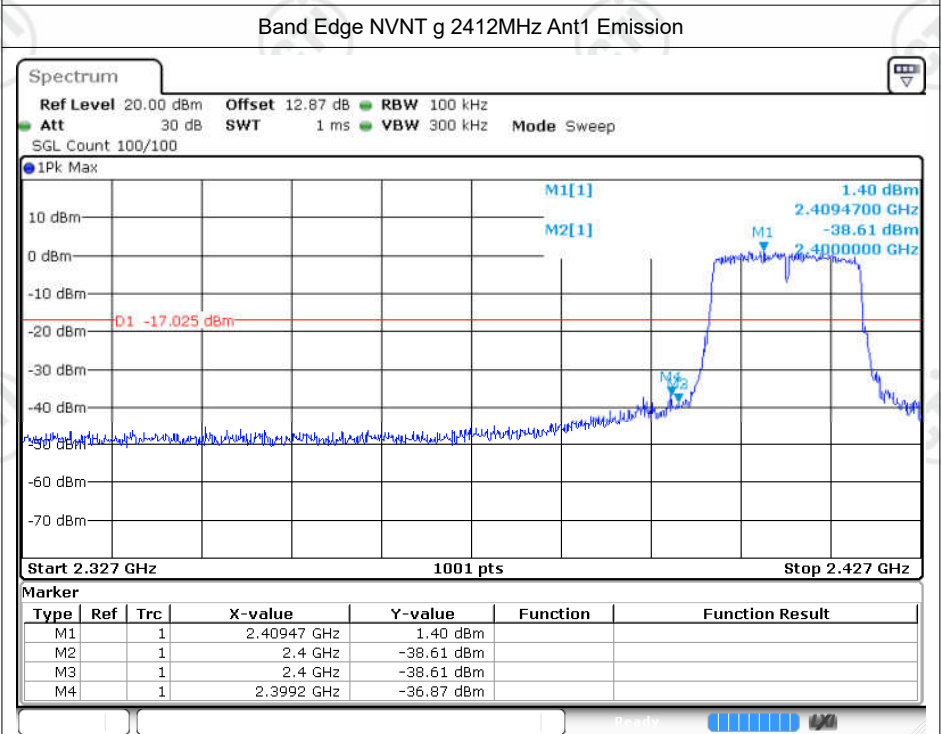
Date: 2.AUG.2023 16:06:48



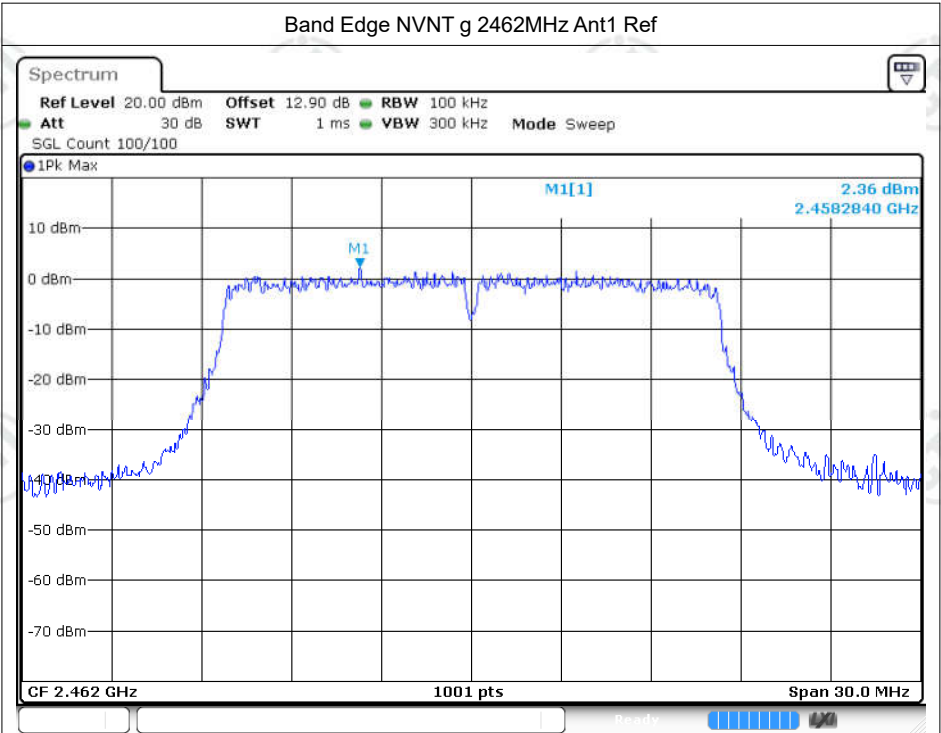
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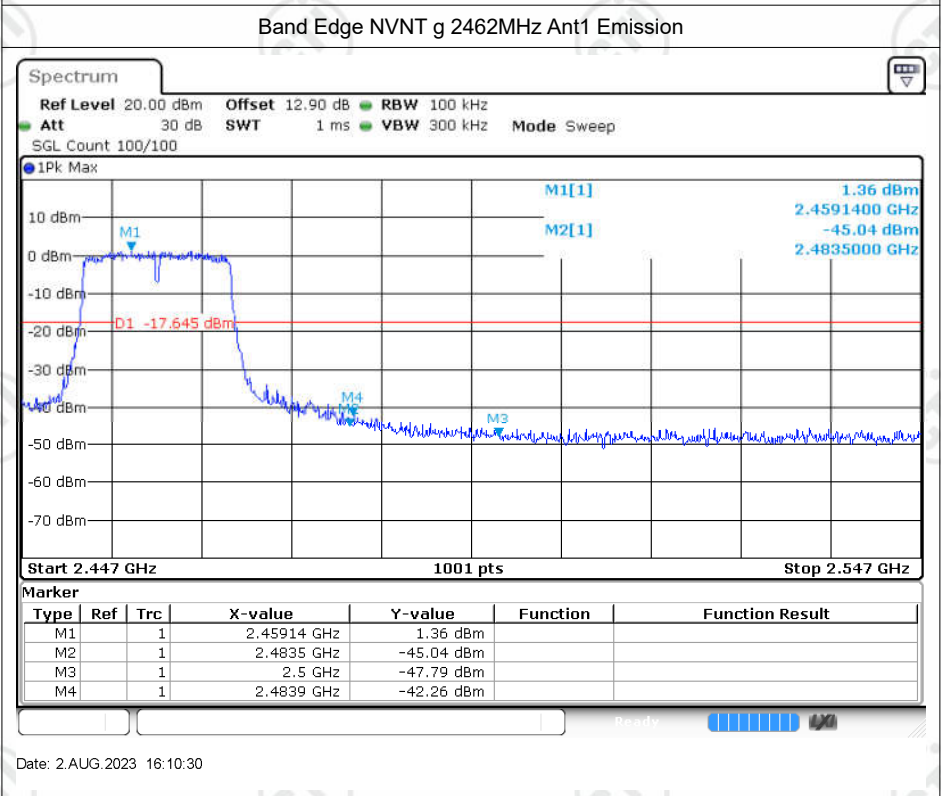
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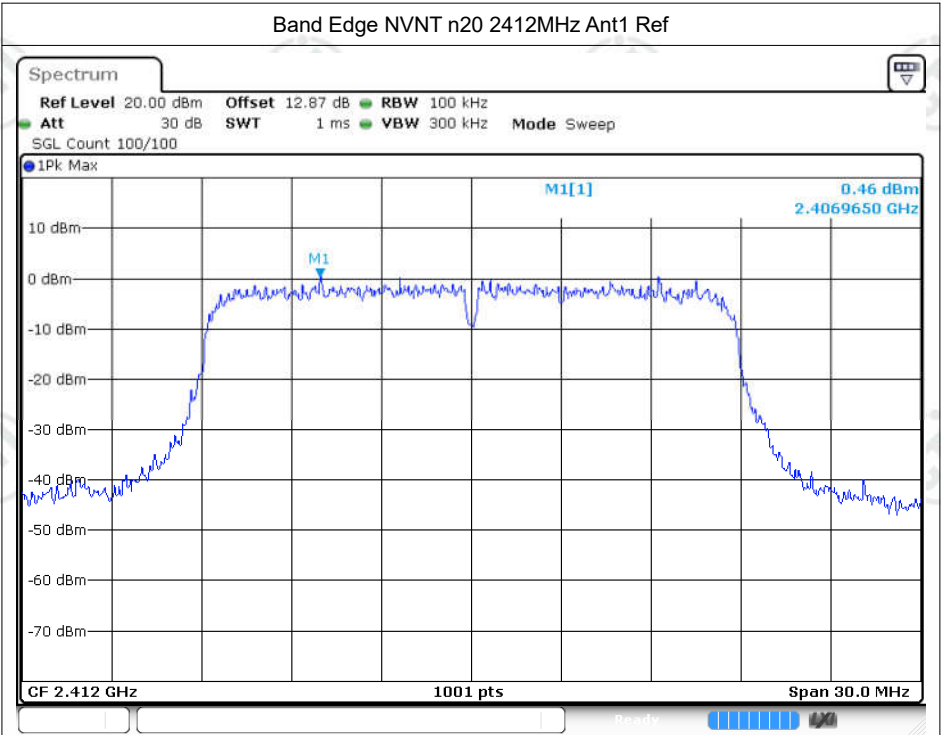
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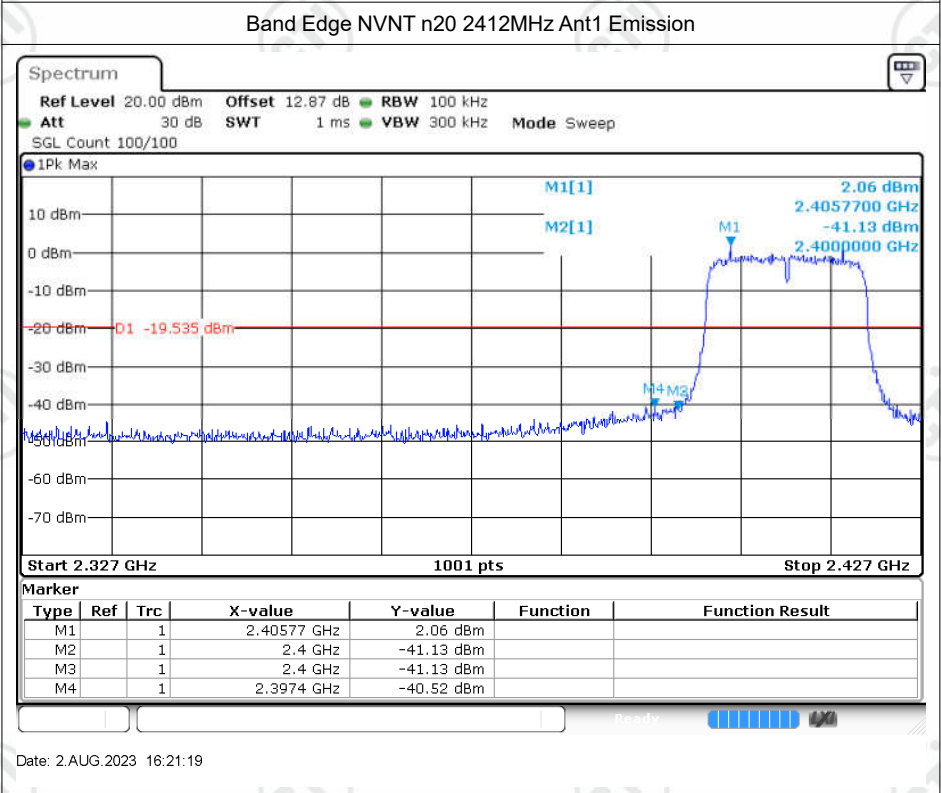
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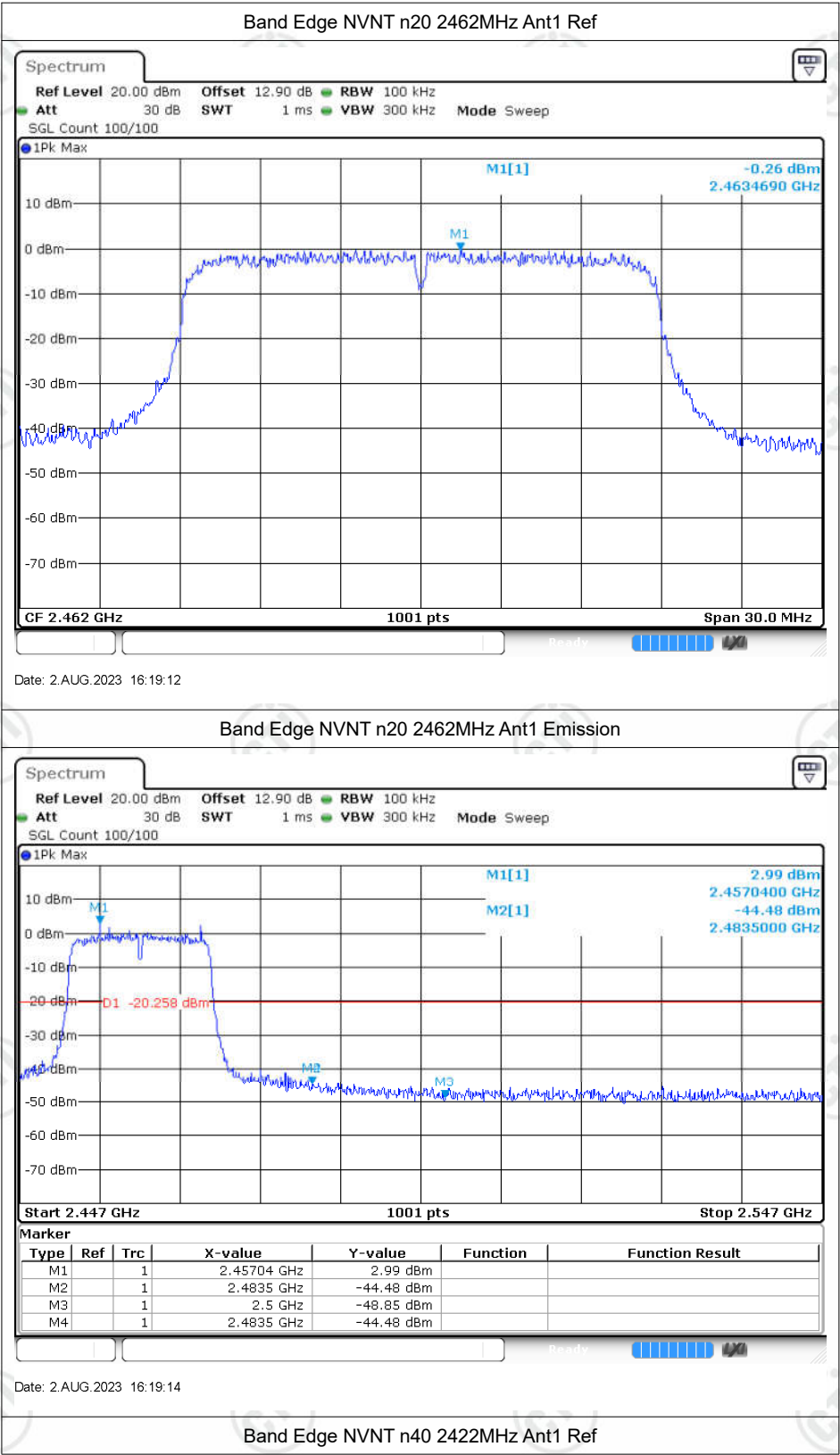


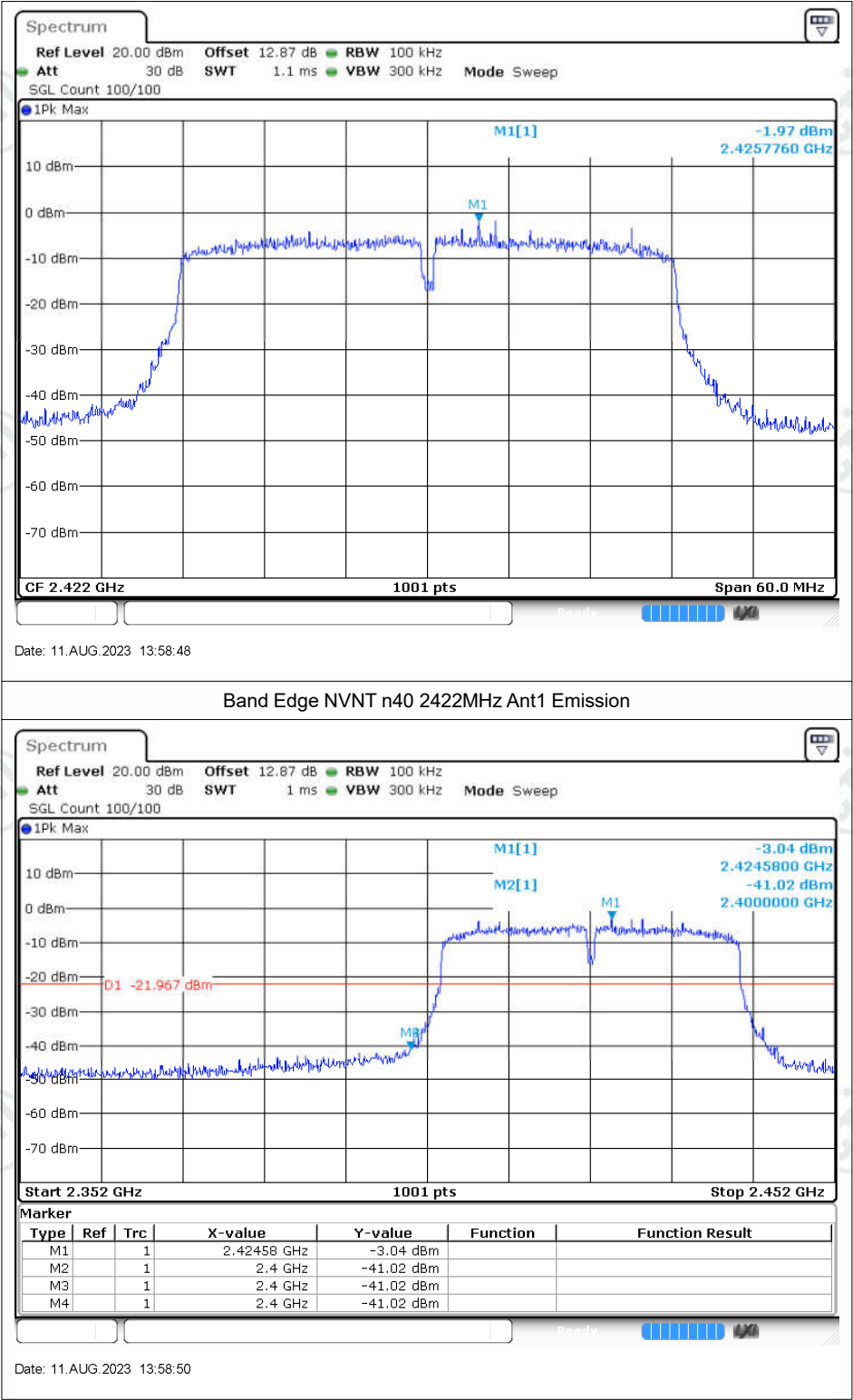
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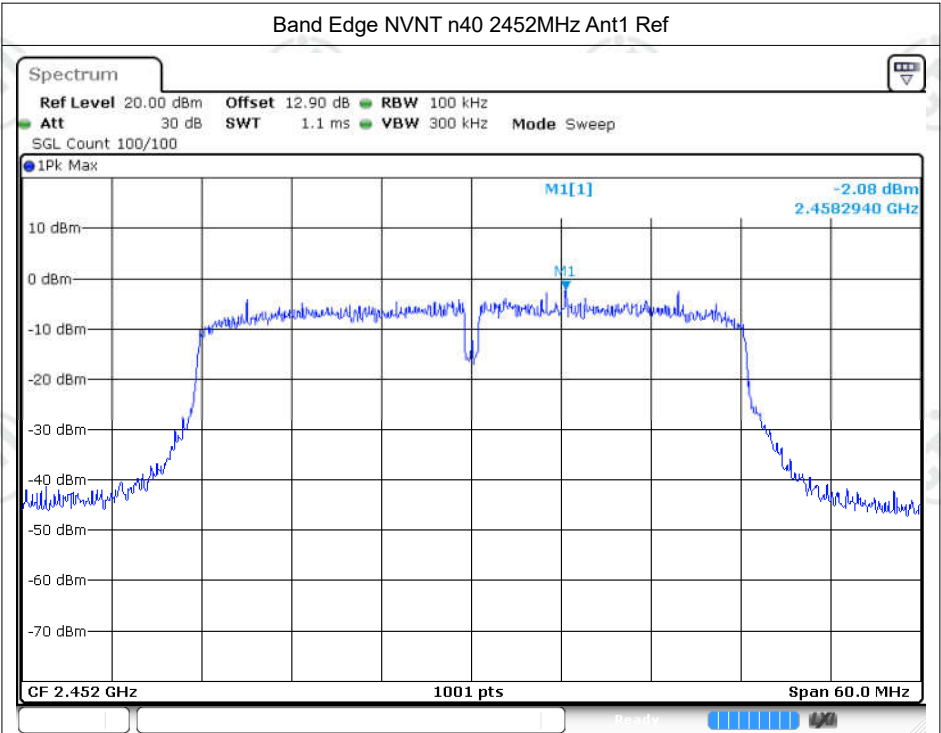


Date: 2.AUG.2023 16:21:17

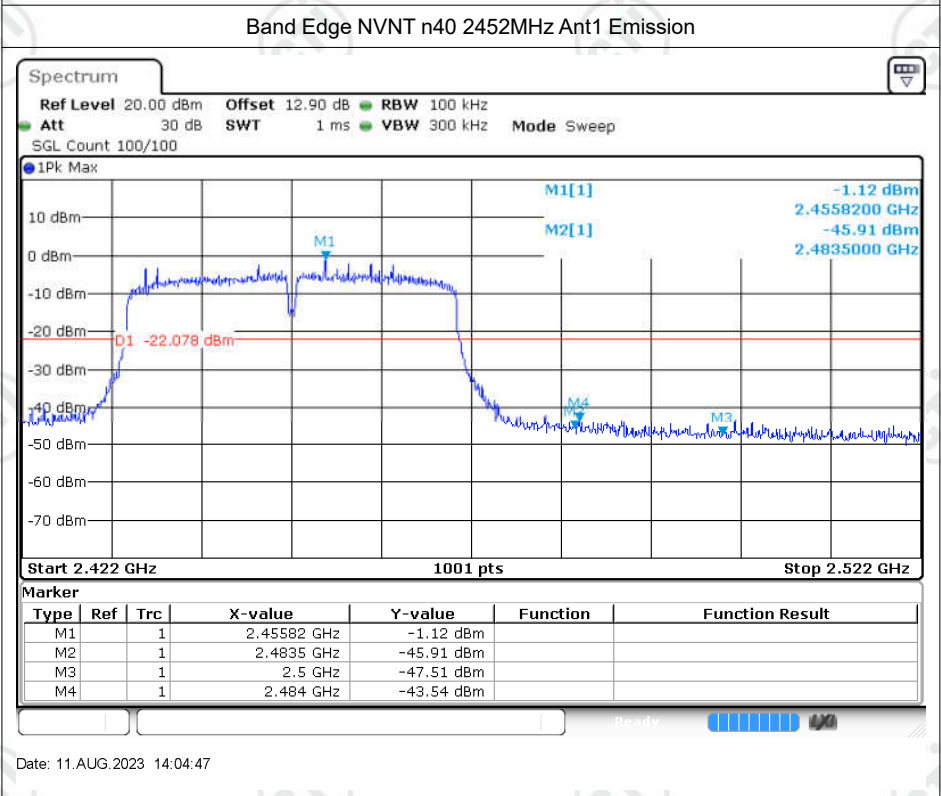








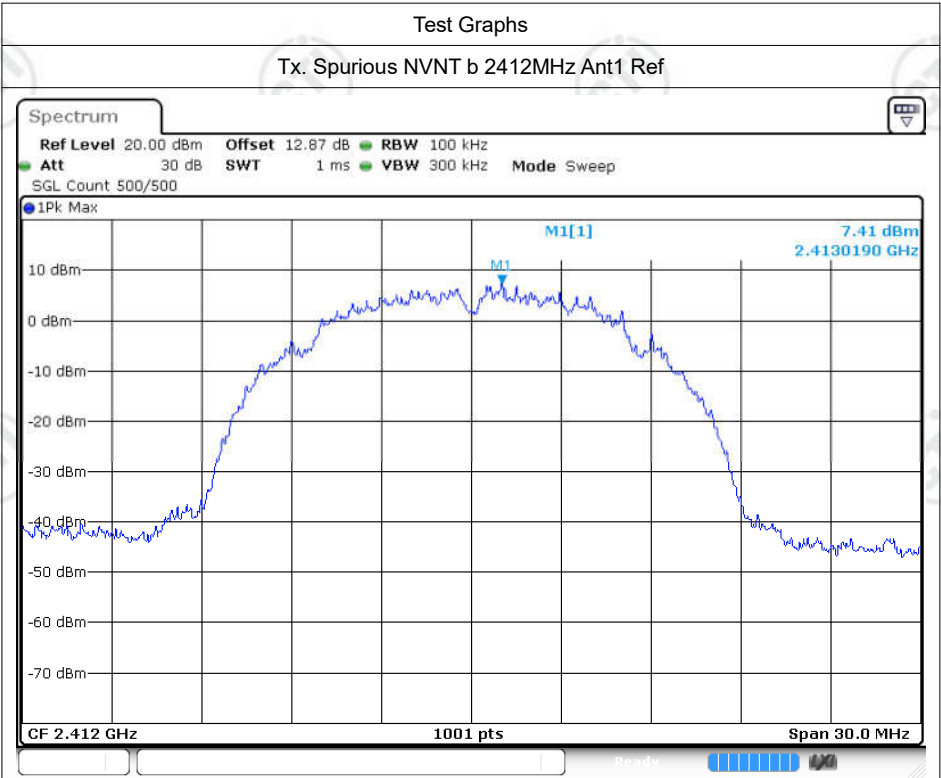
Date: 11.AUG.2023 14:04:46



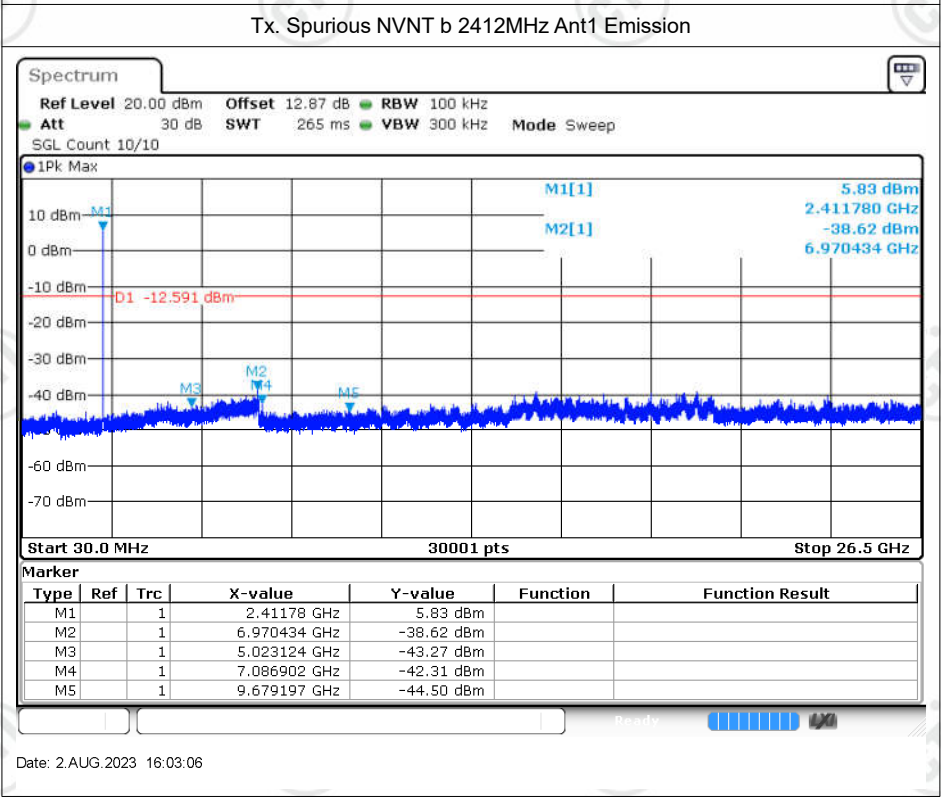
Date: 11.AUG.2023 14:04:47

Conducted RF Spurious Emission

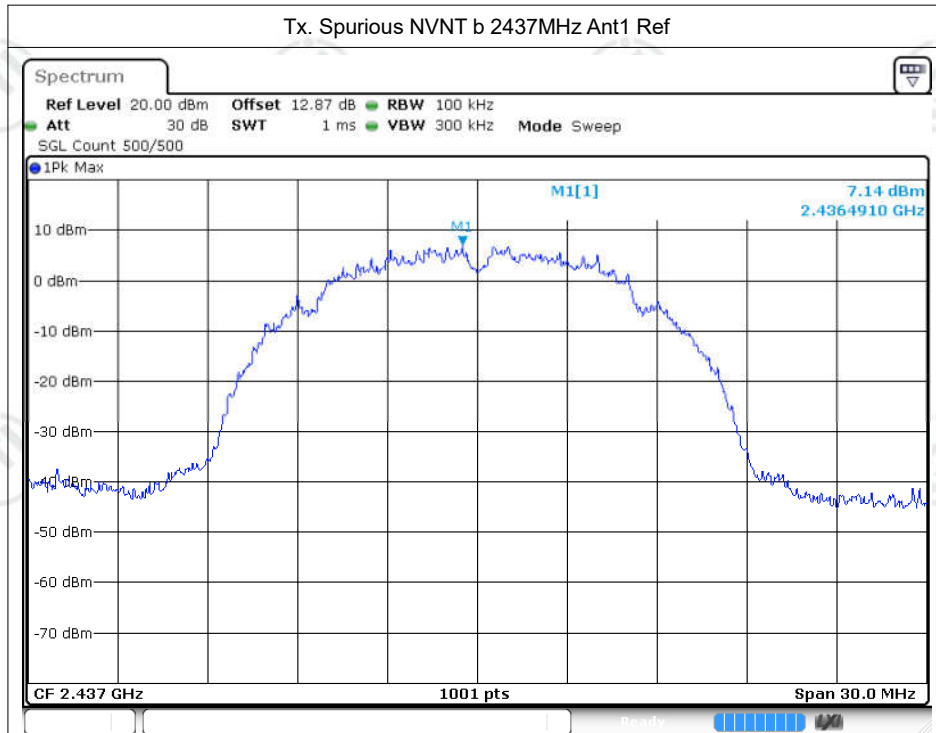
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.03	-20	Pass
NVNT	b	2437	Ant1	-45.99	-20	Pass
NVNT	b	2462	Ant1	-47.11	-20	Pass
NVNT	g	2412	Ant1	-41.13	-20	Pass
NVNT	g	2437	Ant1	-42.77	-20	Pass
NVNT	g	2462	Ant1	-42.77	-20	Pass
NVNT	n20	2412	Ant1	-41.71	-20	Pass
NVNT	n20	2437	Ant1	-41.38	-20	Pass
NVNT	n20	2462	Ant1	-40.95	-20	Pass
NVNT	n40	2422	Ant1	-36.83	-20	Pass
NVNT	n40	2437	Ant1	-37.58	-20	Pass
NVNT	n40	2452	Ant1	-36.51	-20	Pass



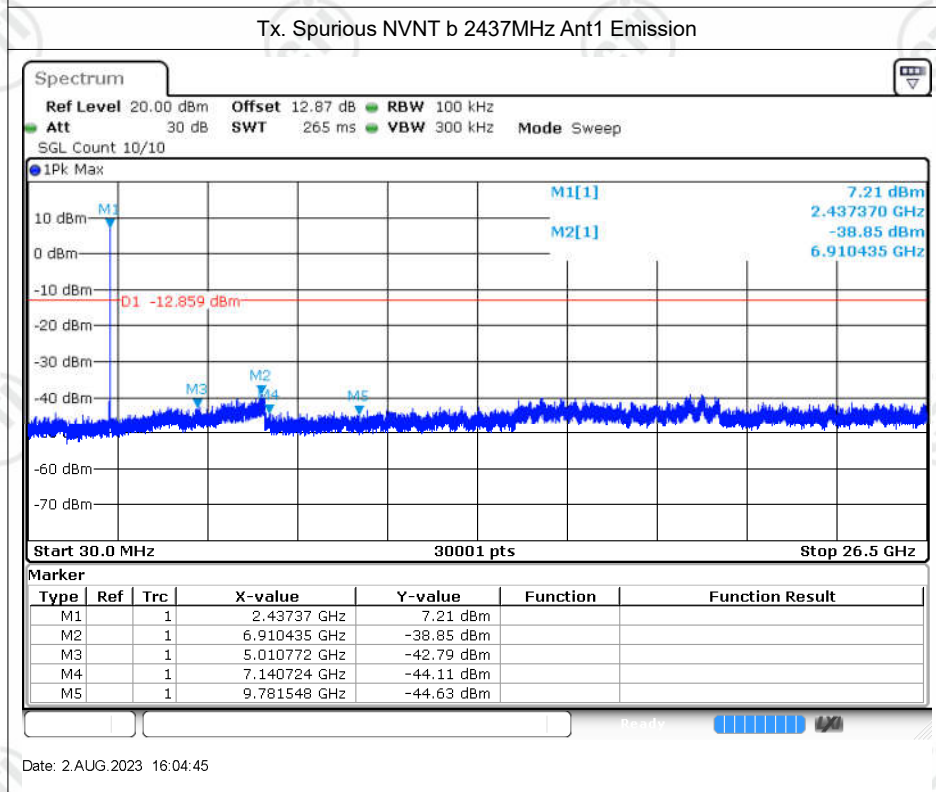
Date: 2.AUG.2023 16:02:55



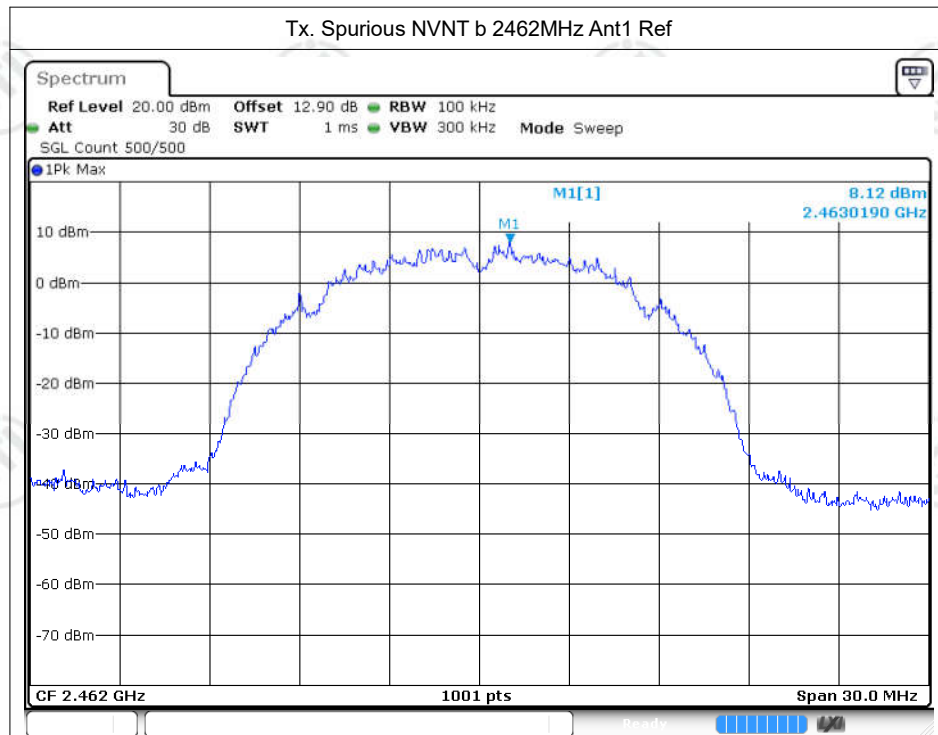
Date: 2.AUG.2023 16:03:06



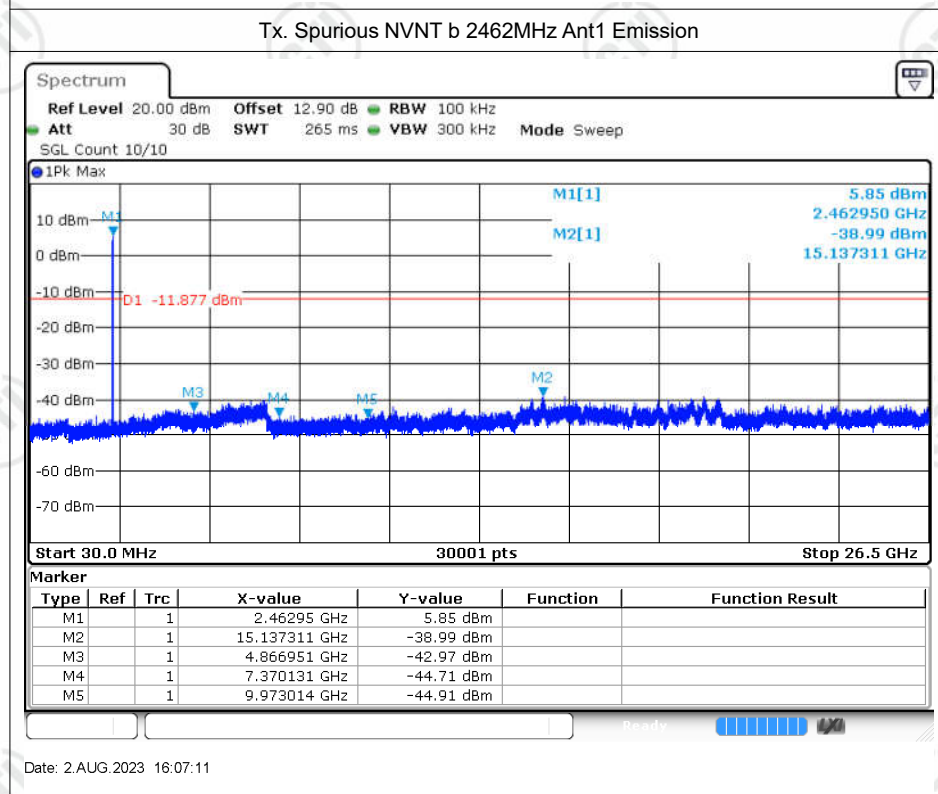
Date: 2.AUG.2023 16:04:34



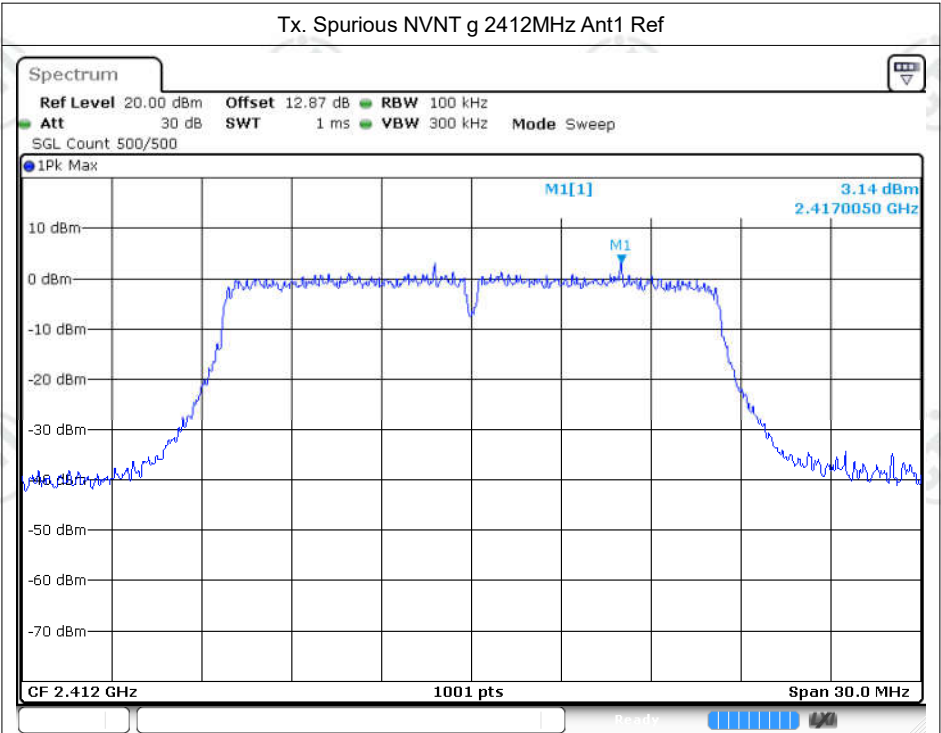
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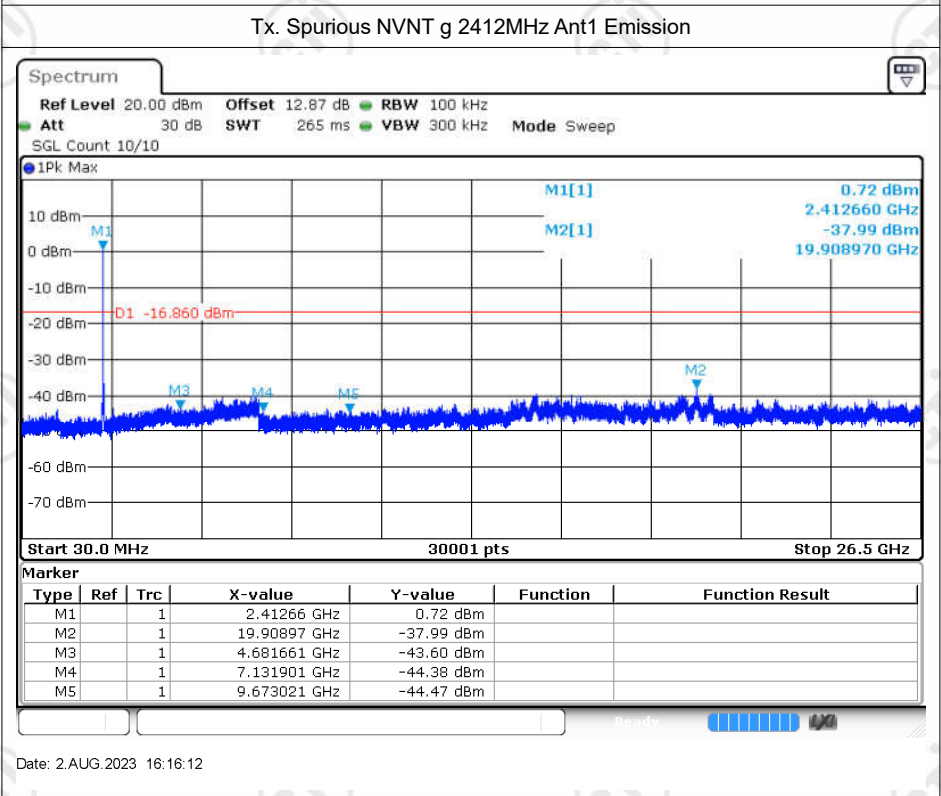
Date: 2.AUG.2023 16:06:59



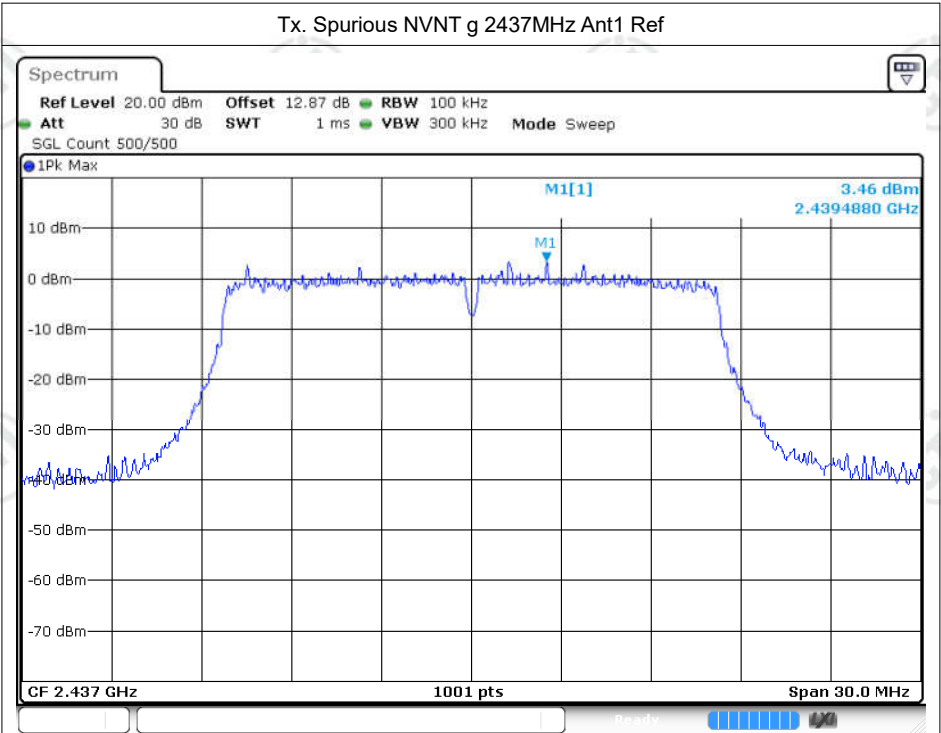
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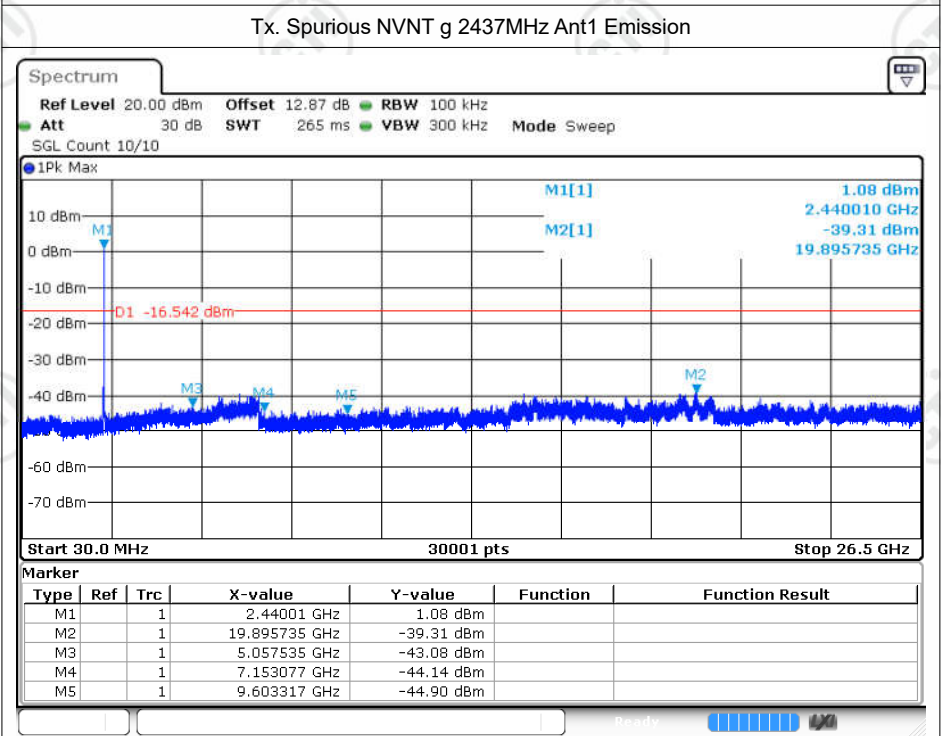
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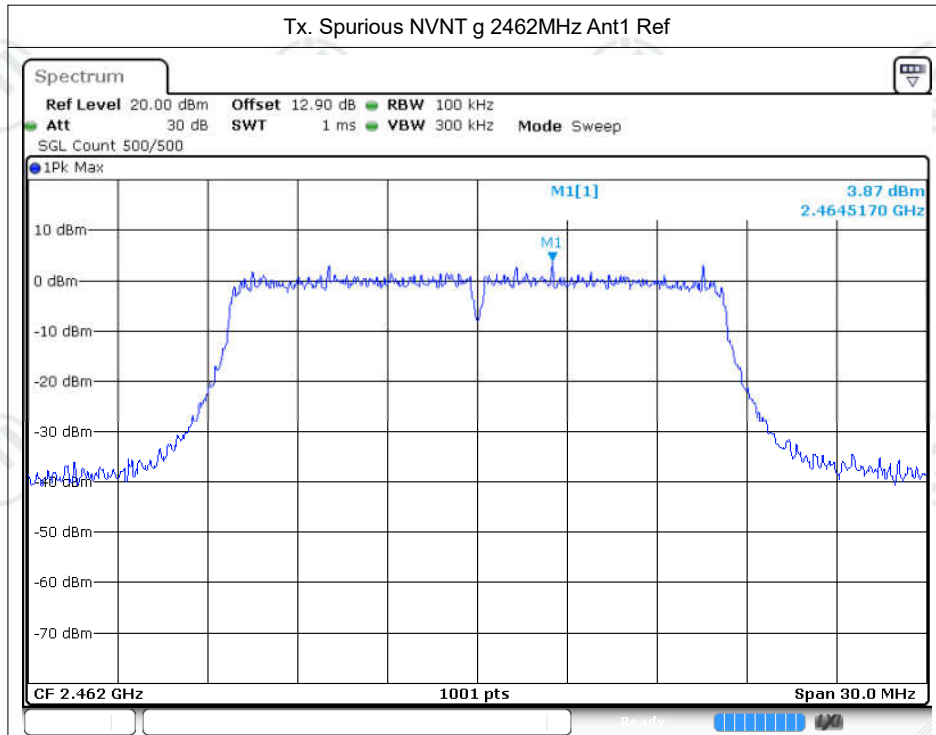
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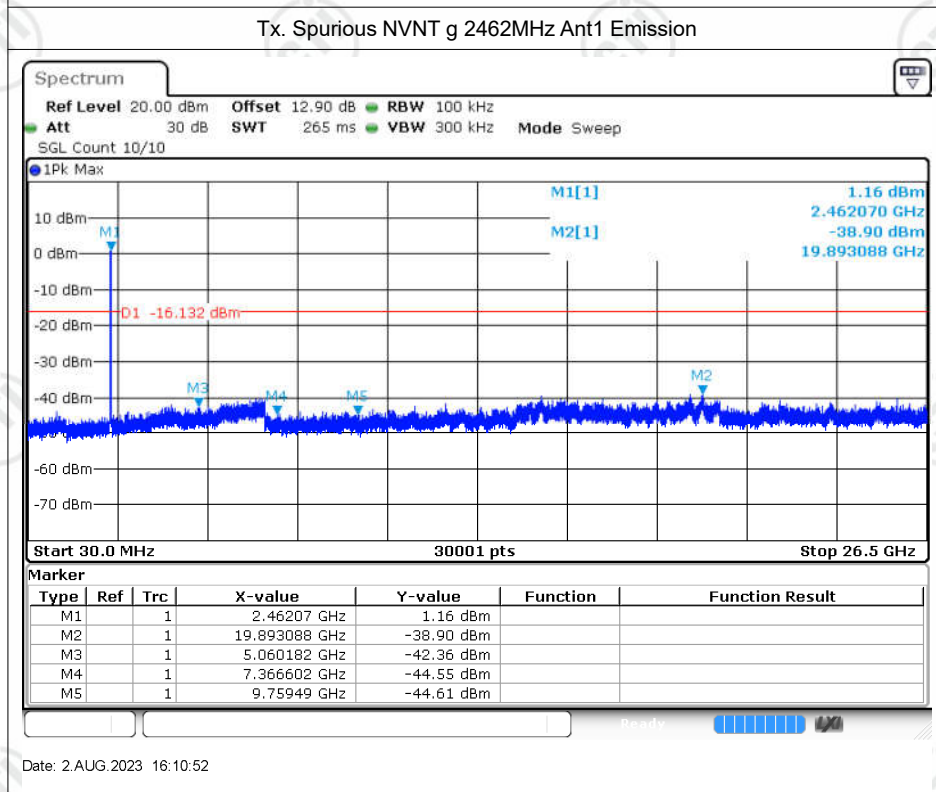
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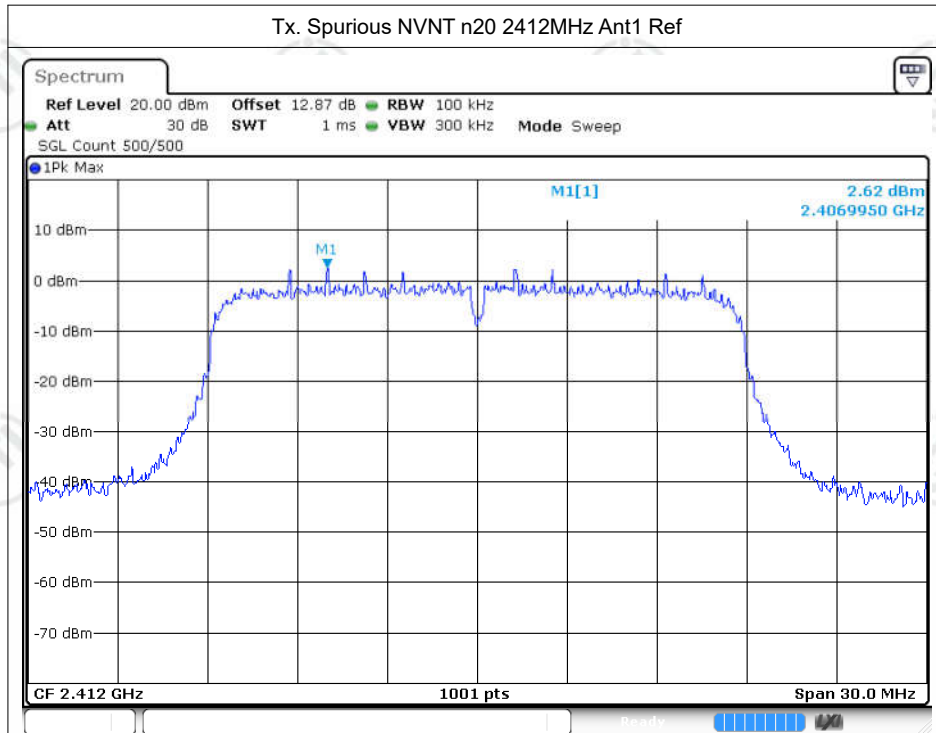
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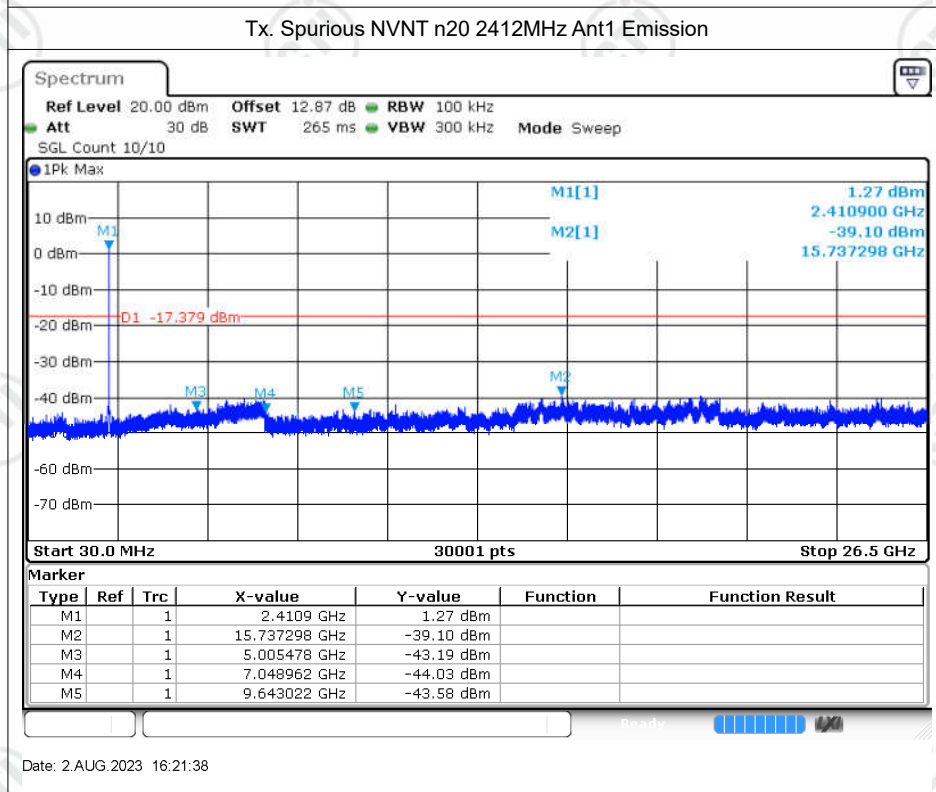
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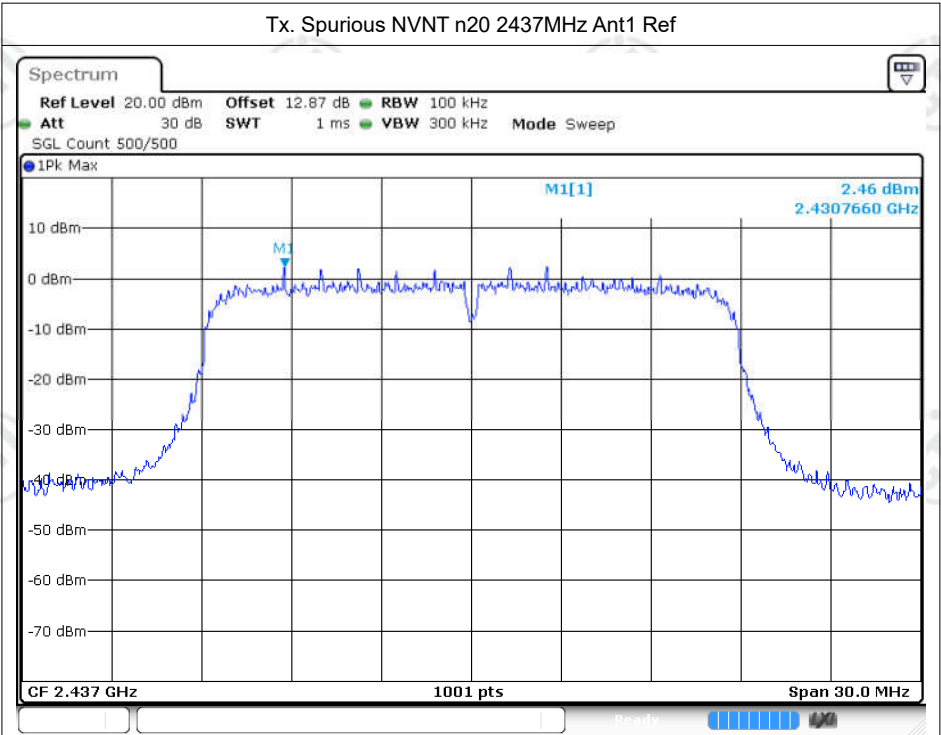
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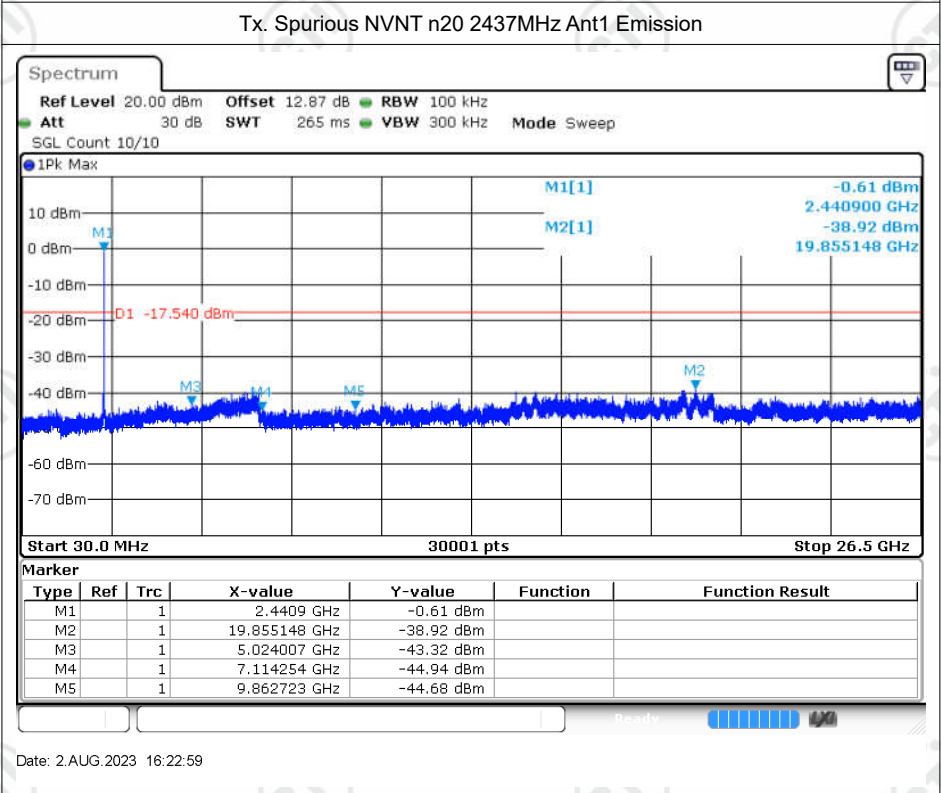
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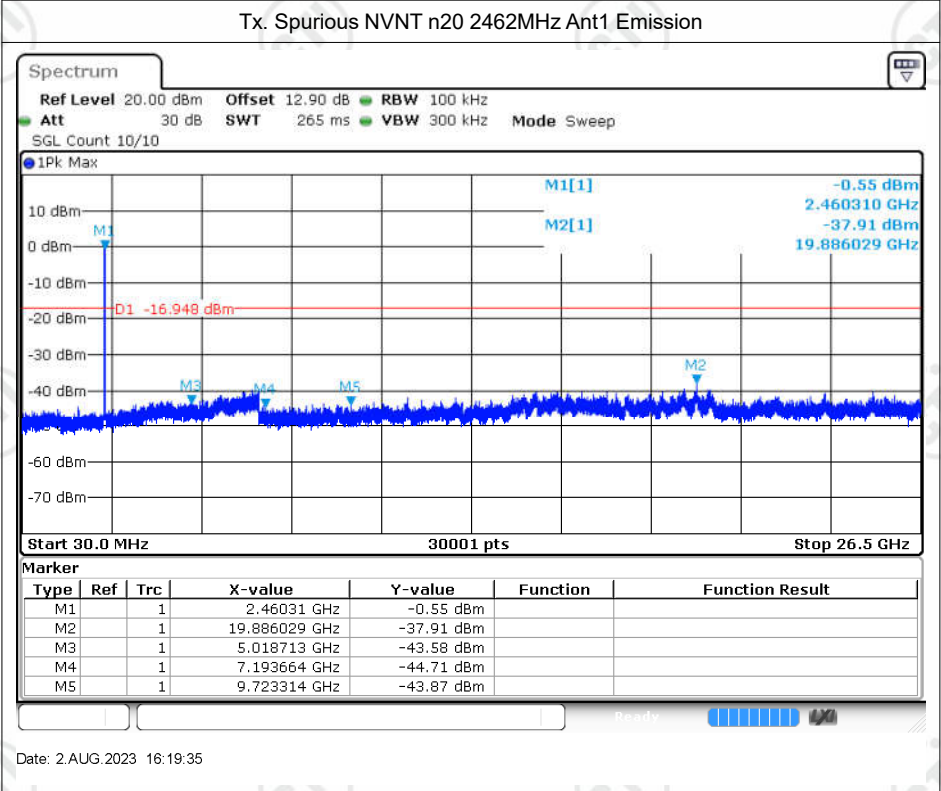
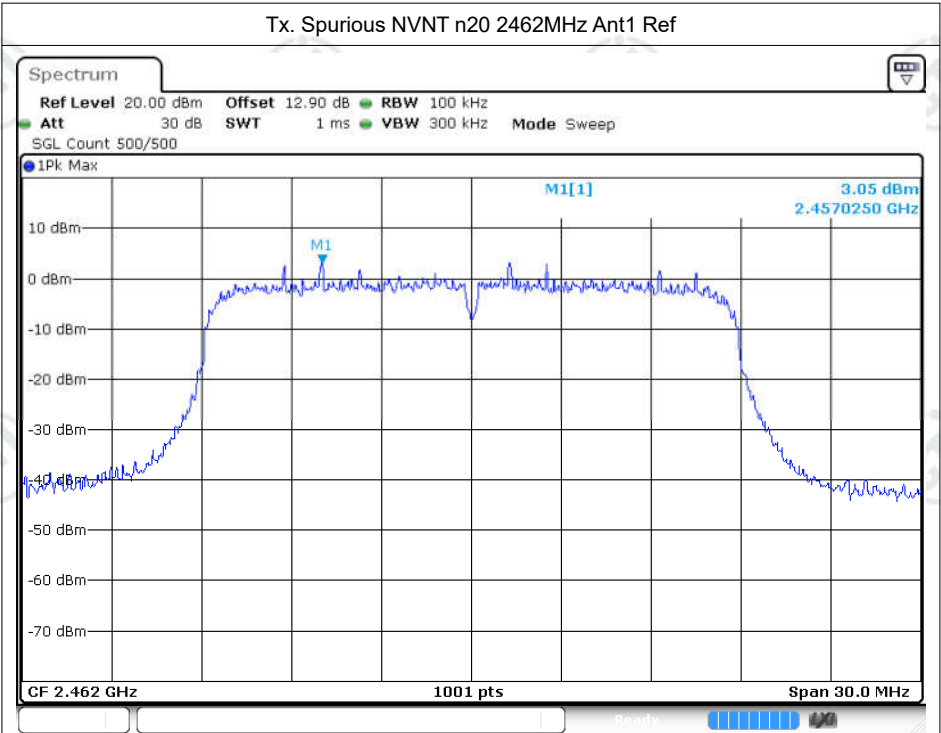
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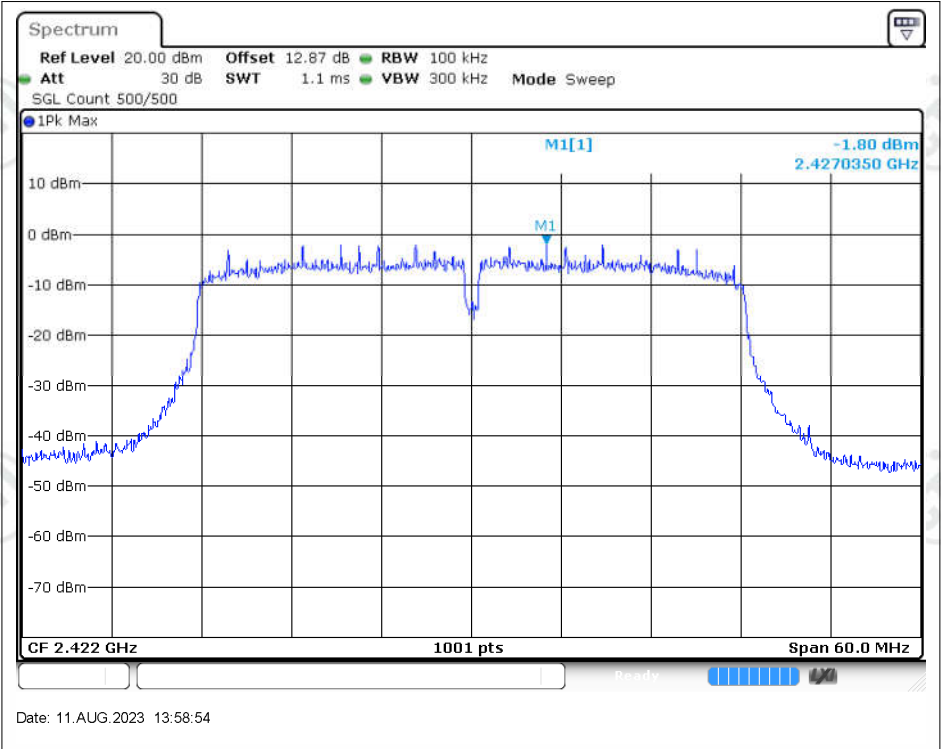
Date: 2.AUG.2023 16:22:47



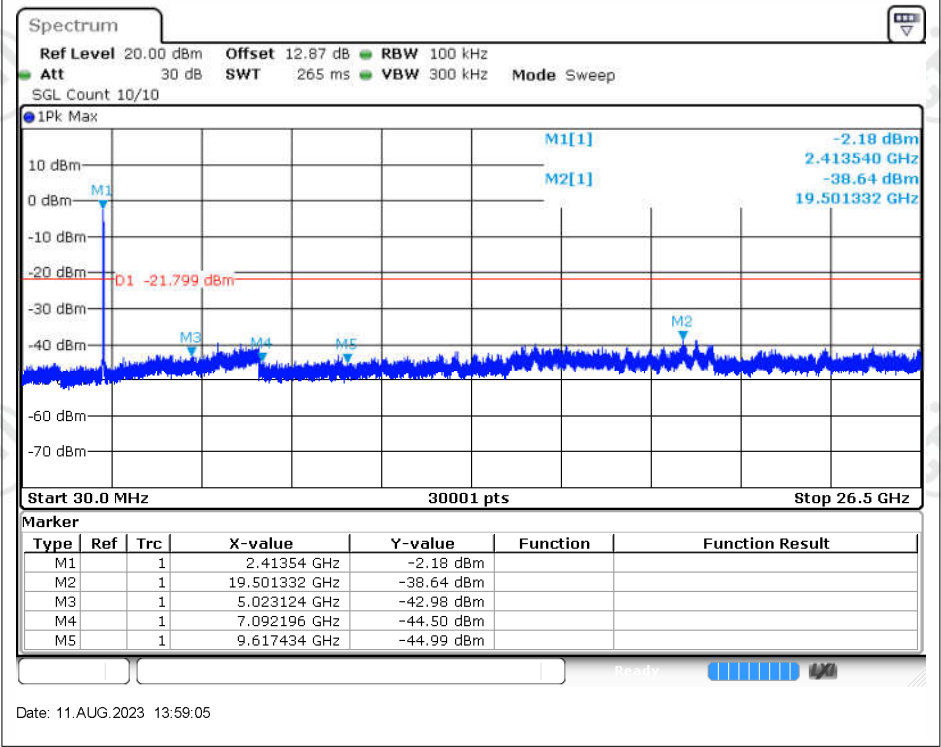
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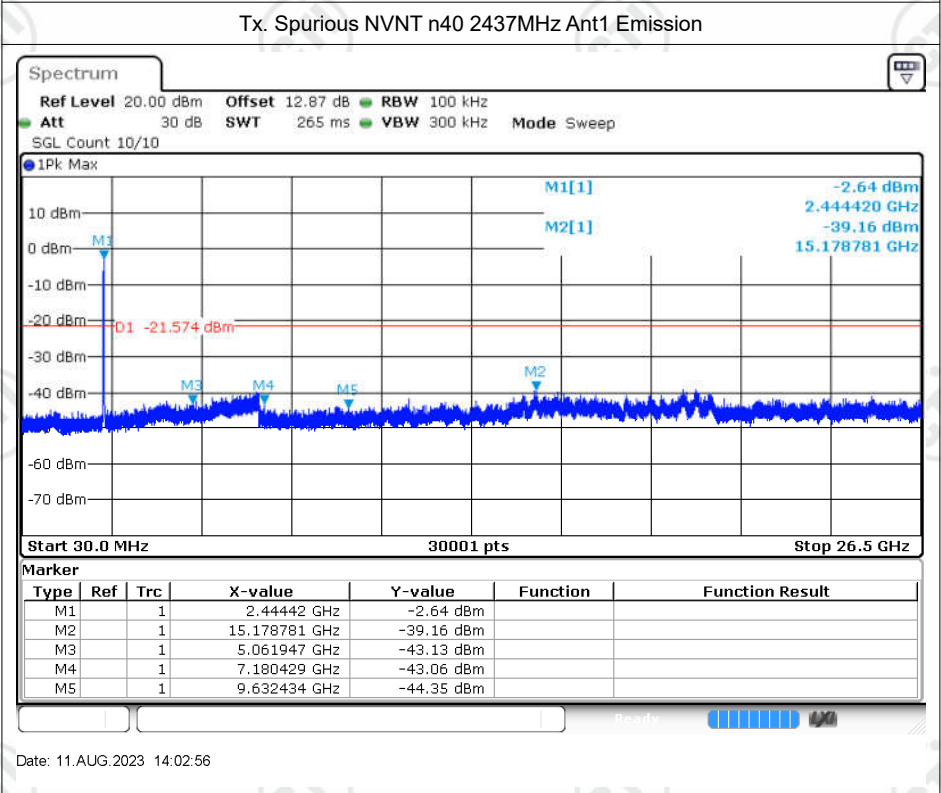
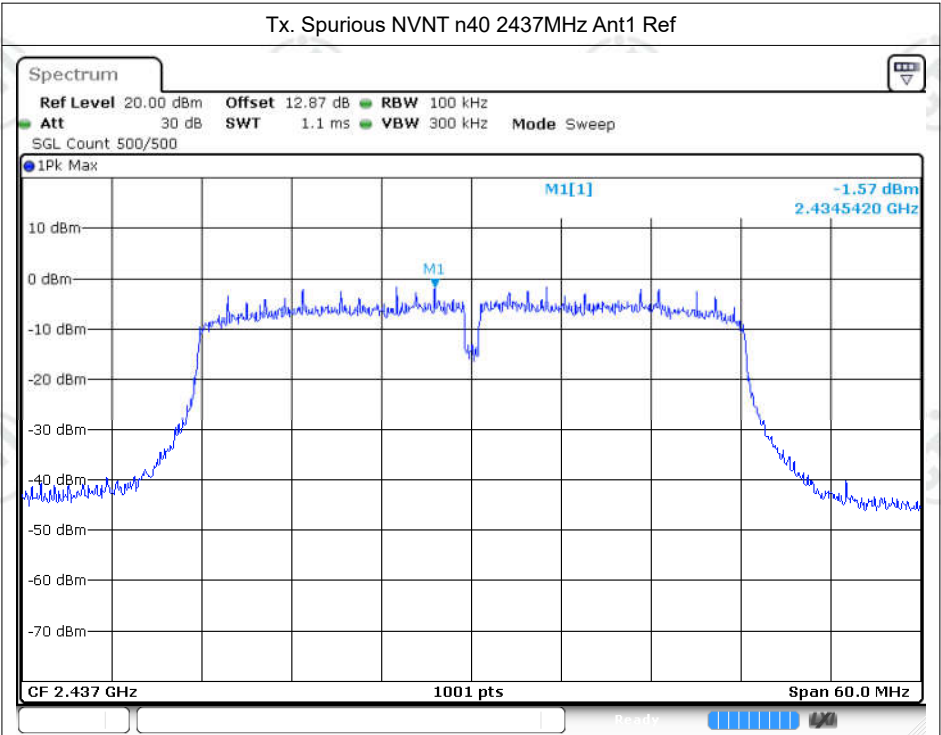


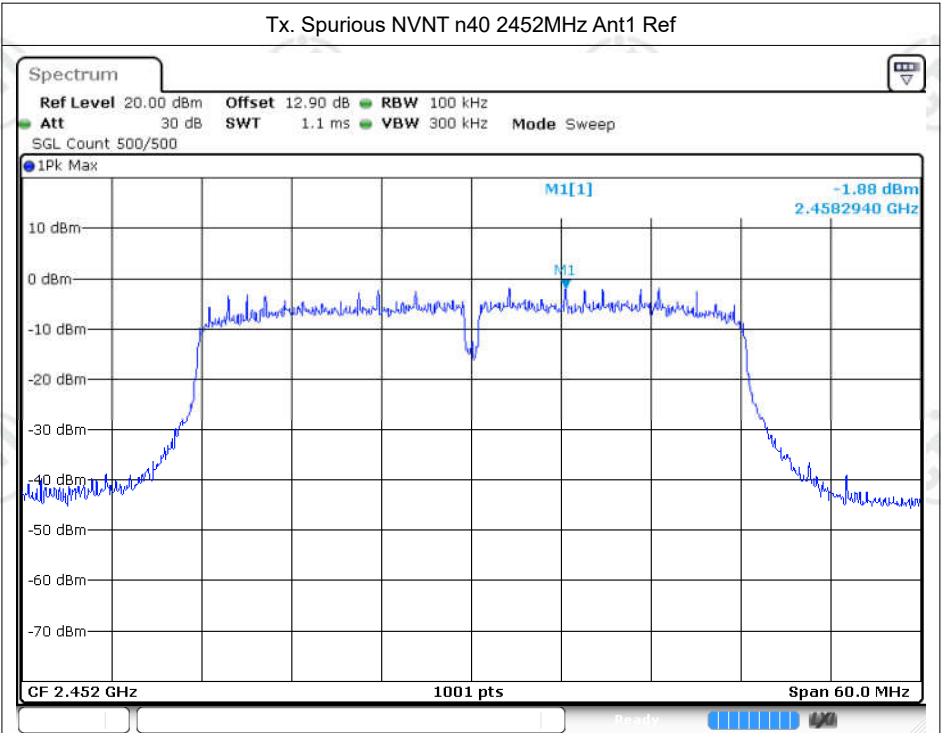
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



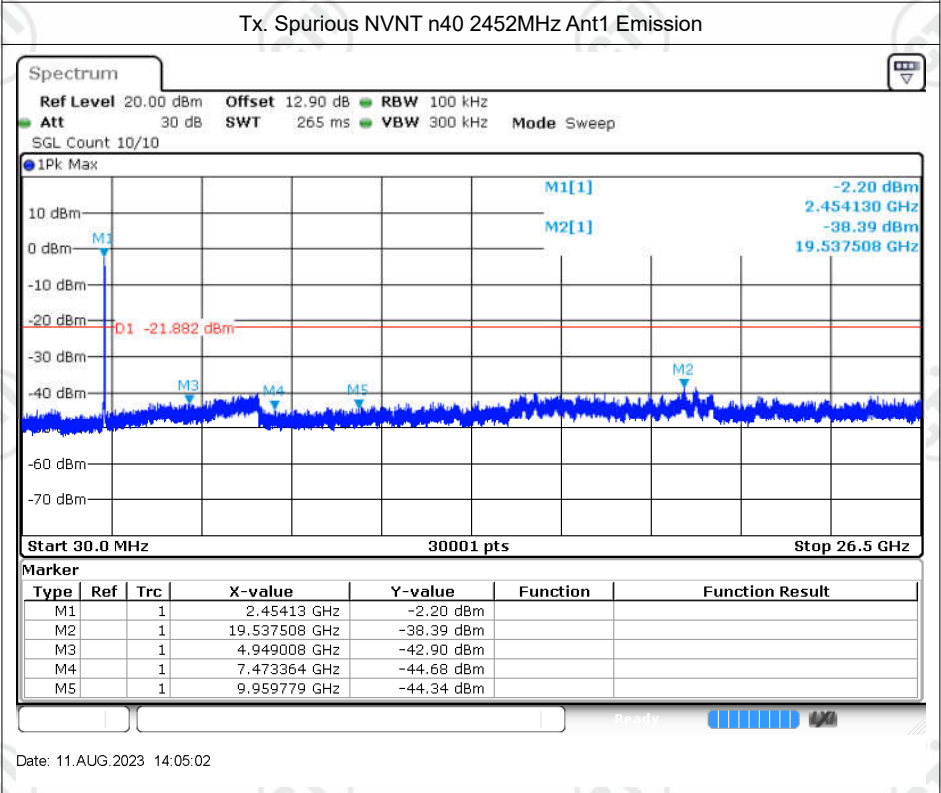
Tx. Spurious NVNT n40 2422MHz Ant1 Emission







Date: 11.AUG.2023 14:04:51



*** End of Report ***