

Appendix: 2.4G Wi-Fi

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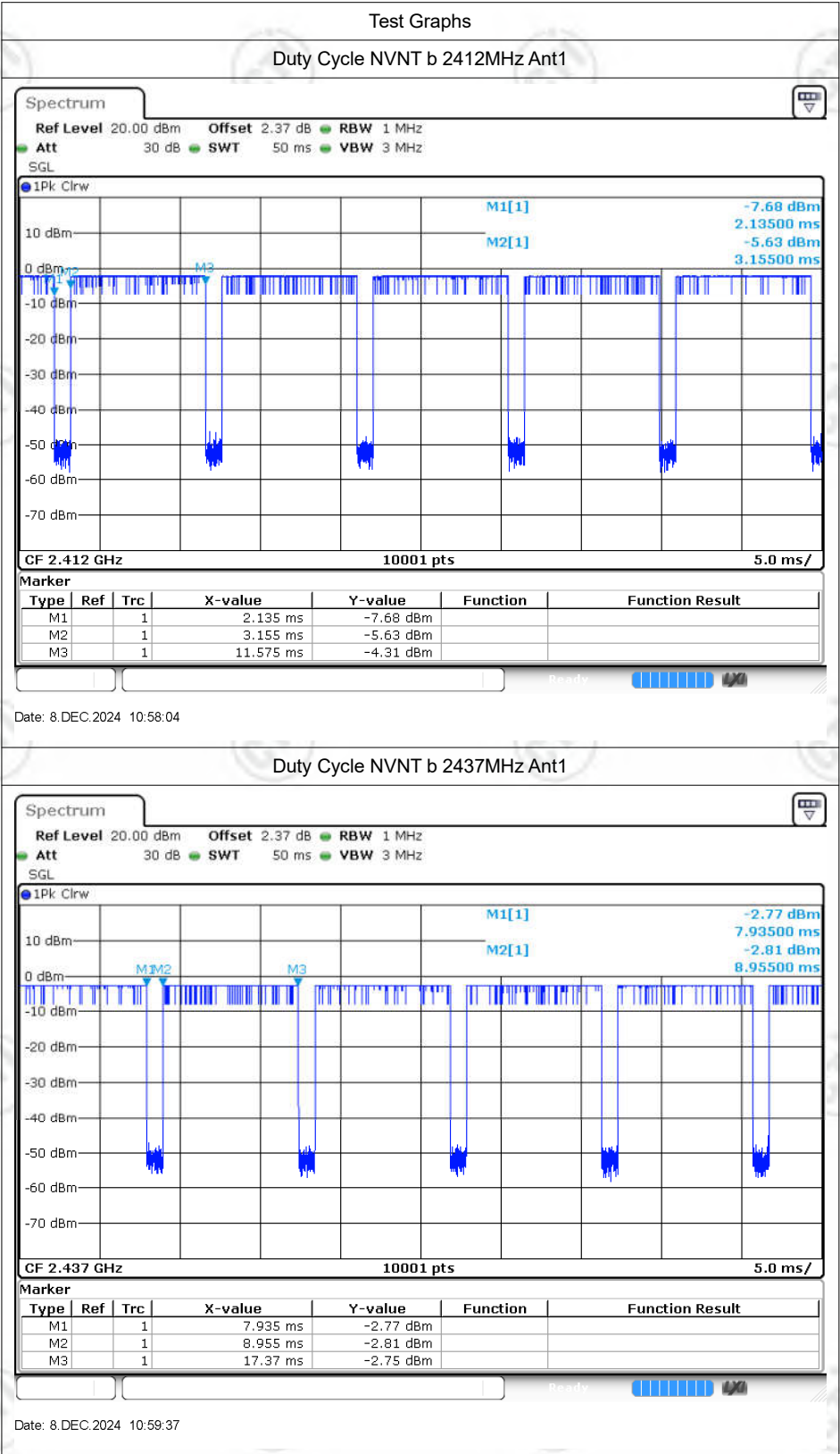
Band Edge 44

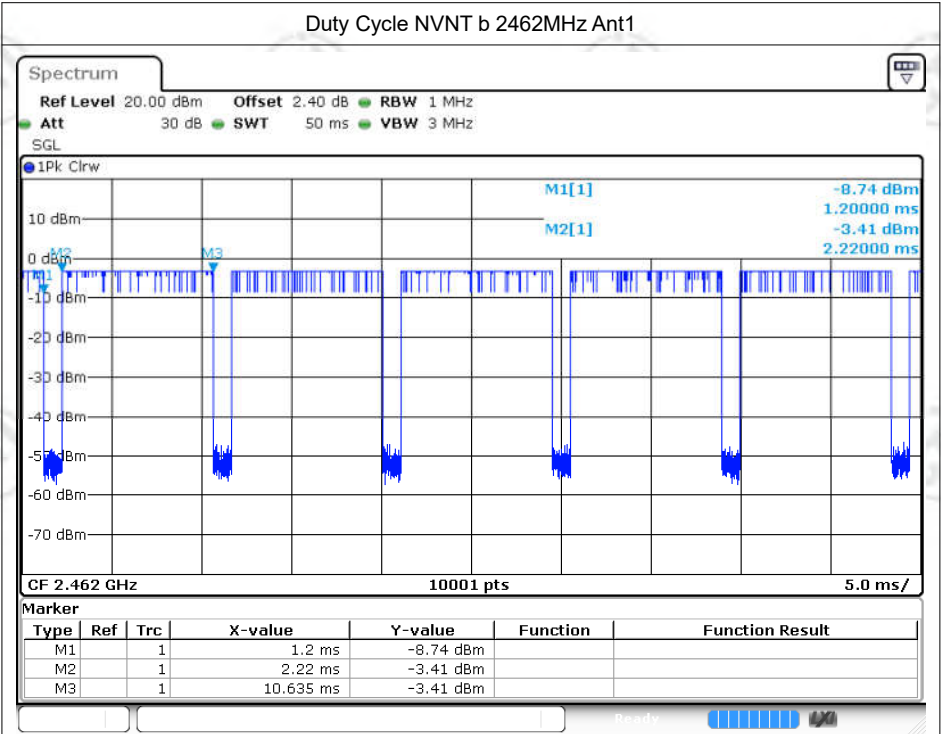
Conducted RF Spurious Emission 57

Duty Cycle

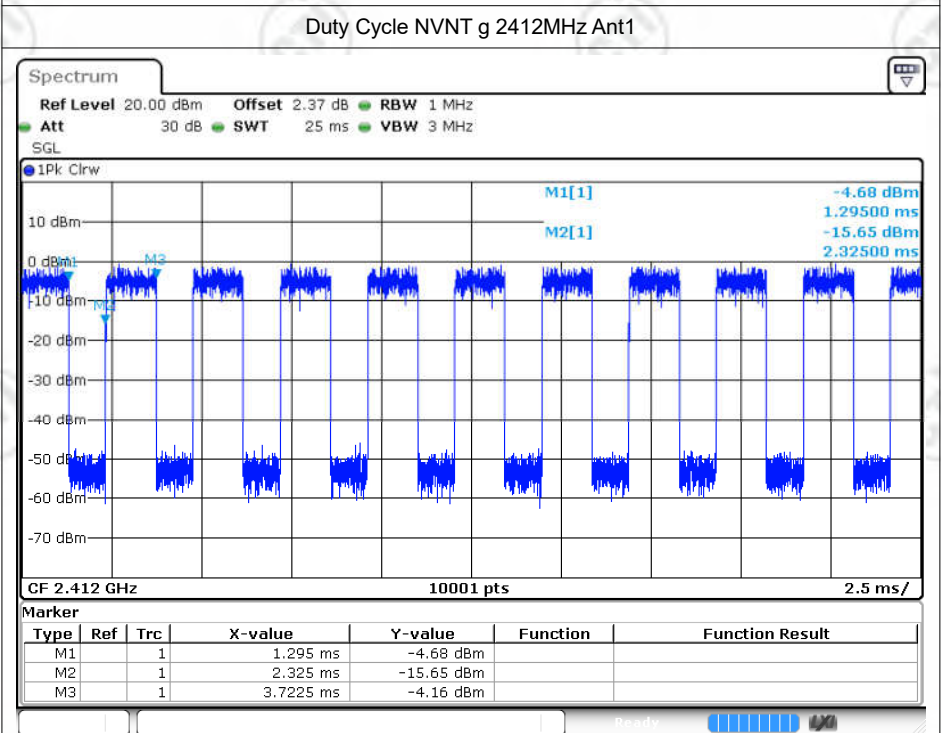
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	89.19	0.5	0.12
NVNT	b	2437	Ant1	89.19	0.5	0.12
NVNT	b	2462	Ant1	89.19	0.5	0.12
NVNT	g	2412	Ant1	57.57	2.4	0.72
NVNT	g	2442	Ant1	57.53	2.4	0.72
NVNT	g	2462	Ant1	57.69	2.39	0.72
NVNT	n20	2412	Ant1	83.17	0.8	0.2
NVNT	n20	2437	Ant1	83.16	0.8	0.2
NVNT	n20	2462	Ant1	83.2	0.8	0.2
NVNT	n40	2422	Ant1	70.71	1.51	0.4
NVNT	n40	2437	Ant1	70.63	1.51	0.4
NVNT	n40	2452	Ant1	70.71	1.51	0.4
NVNT	ax20	2412	Ant1	78.99	1.02	0.26
NVNT	ax20	2437	Ant1	79.08	1.02	0.26
NVNT	ax20	2462	Ant1	79.12	1.02	0.26
NVNT	ax40	2422	Ant1	65.78	1.82	0.51
NVNT	ax40	2437	Ant1	65.78	1.82	0.51
NVNT	ax40	2452	Ant1	65.78	1.82	0.51

Note:Duty Cycle Correction Factor (dB)=-10*Ig(Duty Cycle);

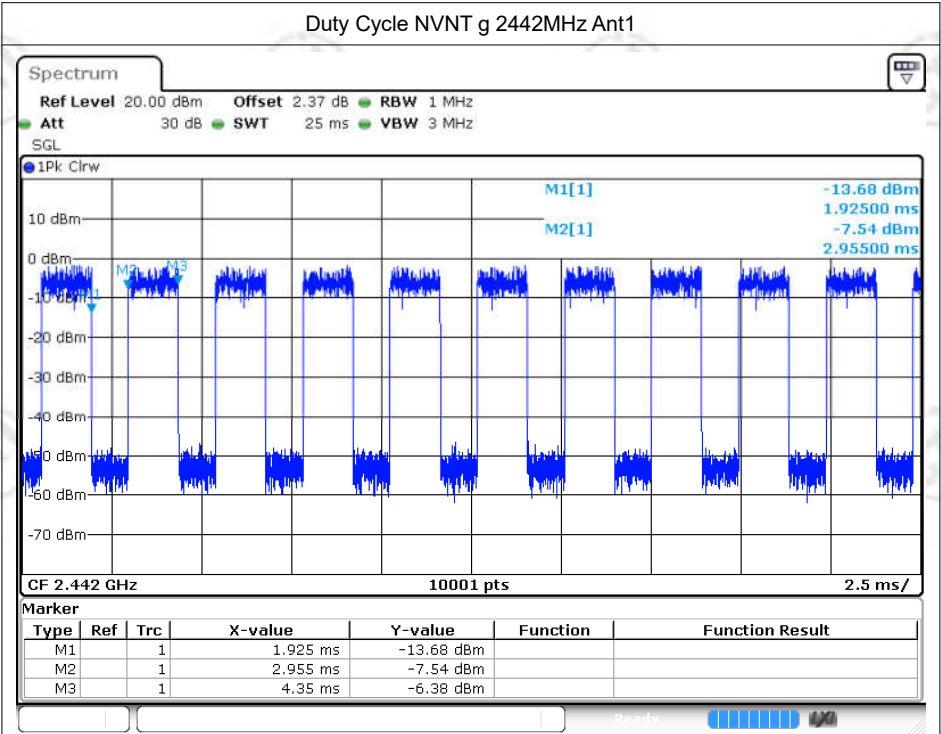




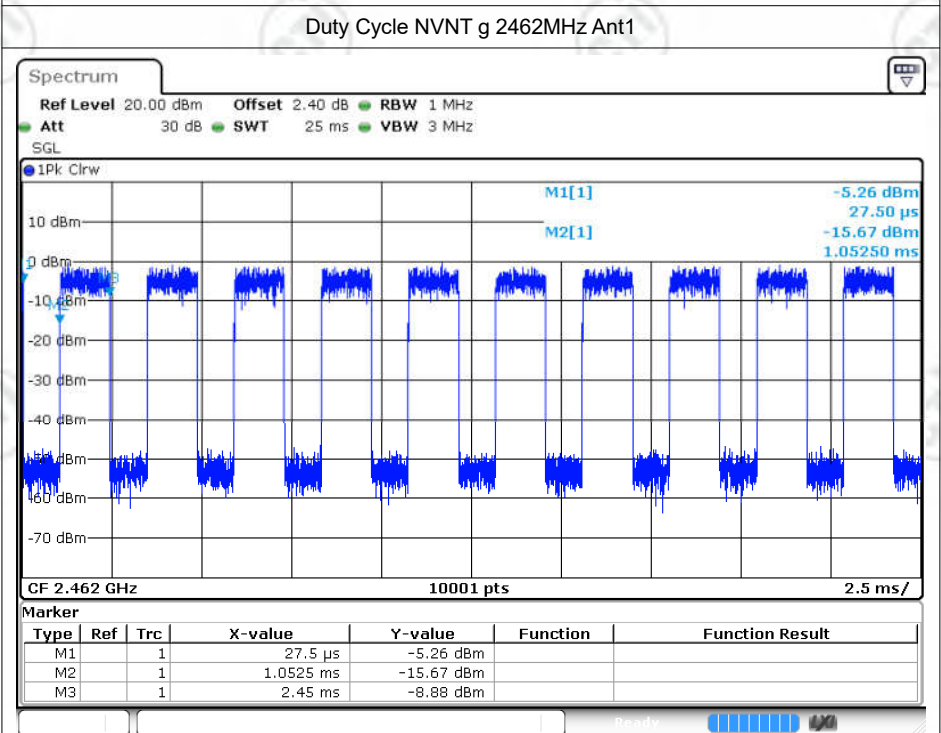
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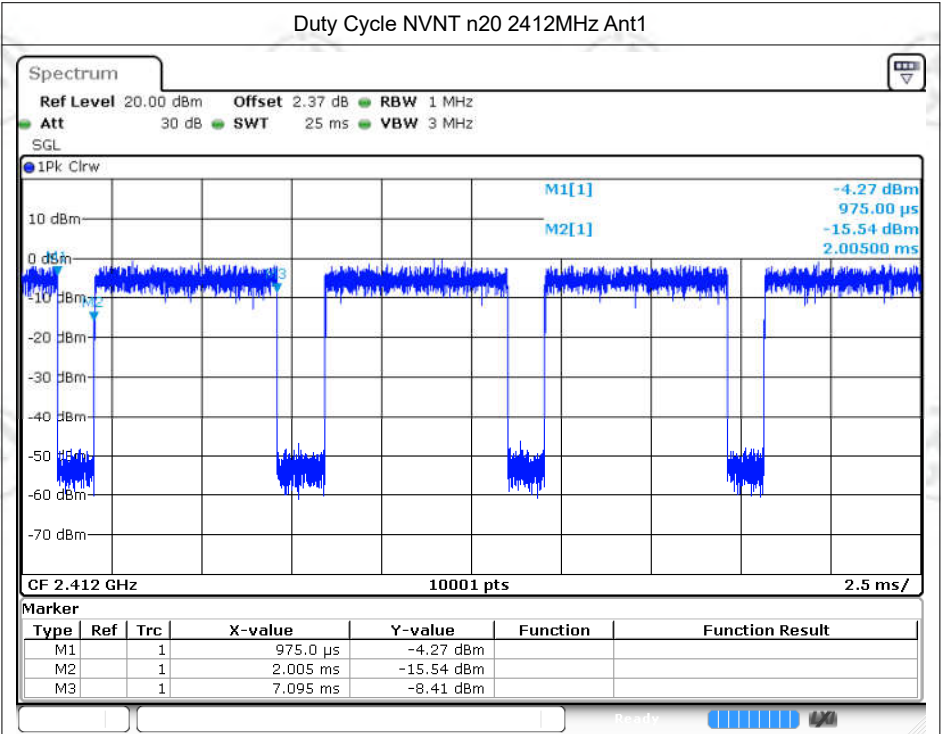
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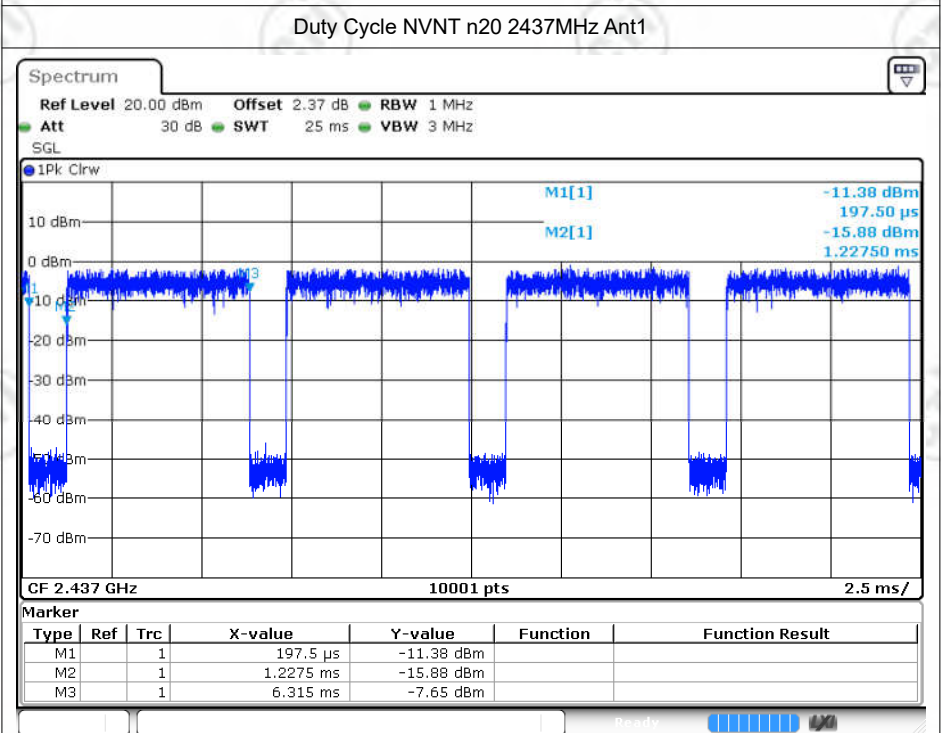
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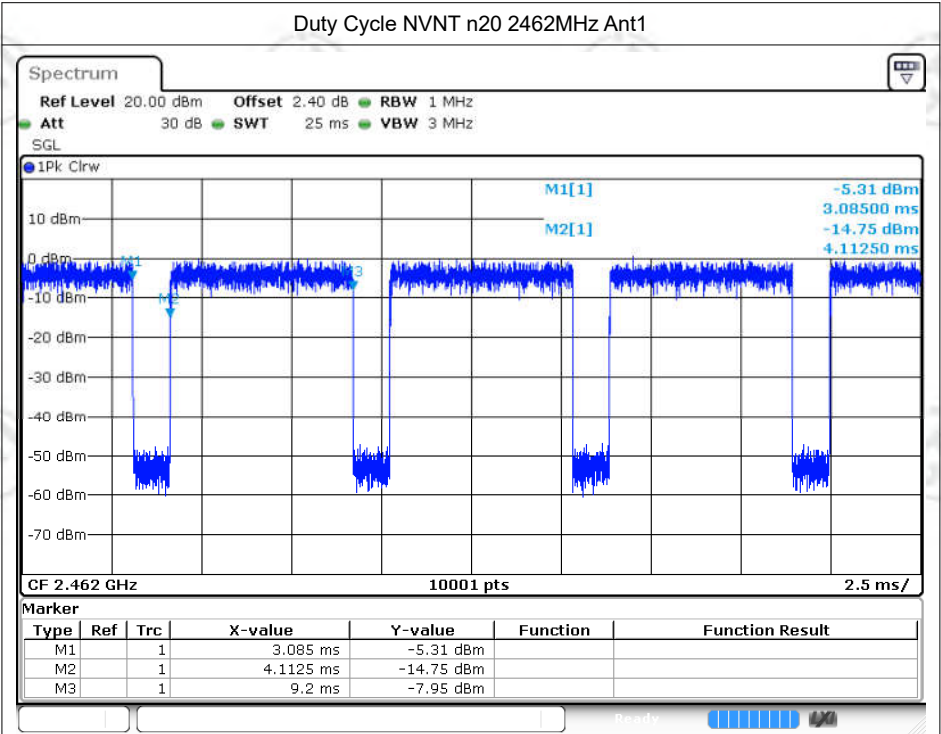
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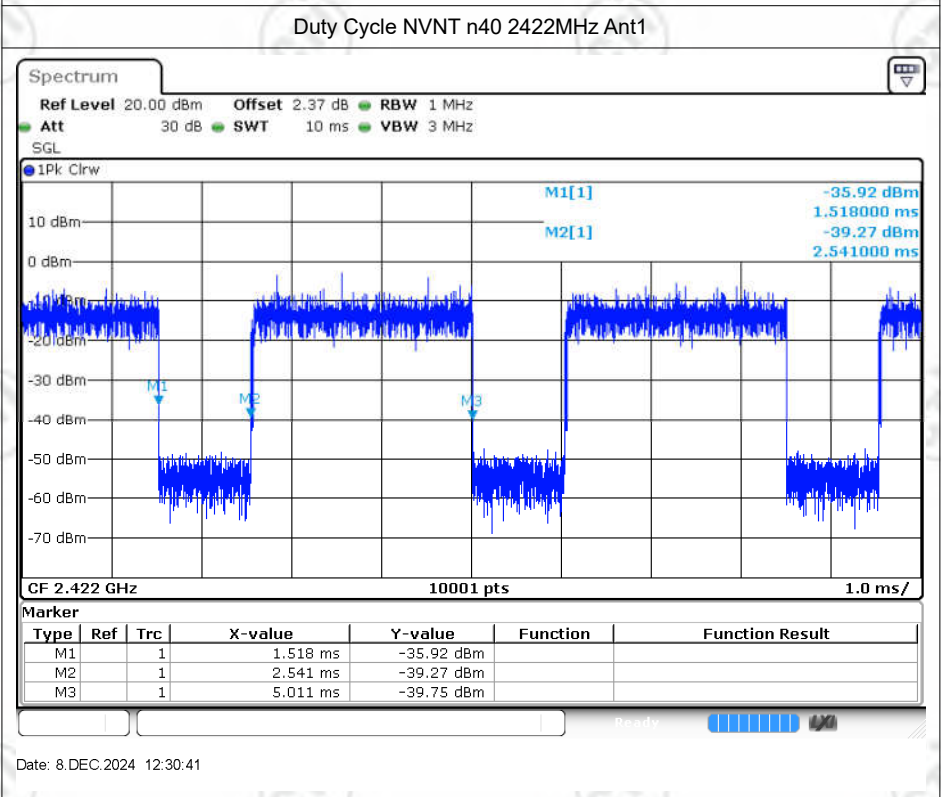
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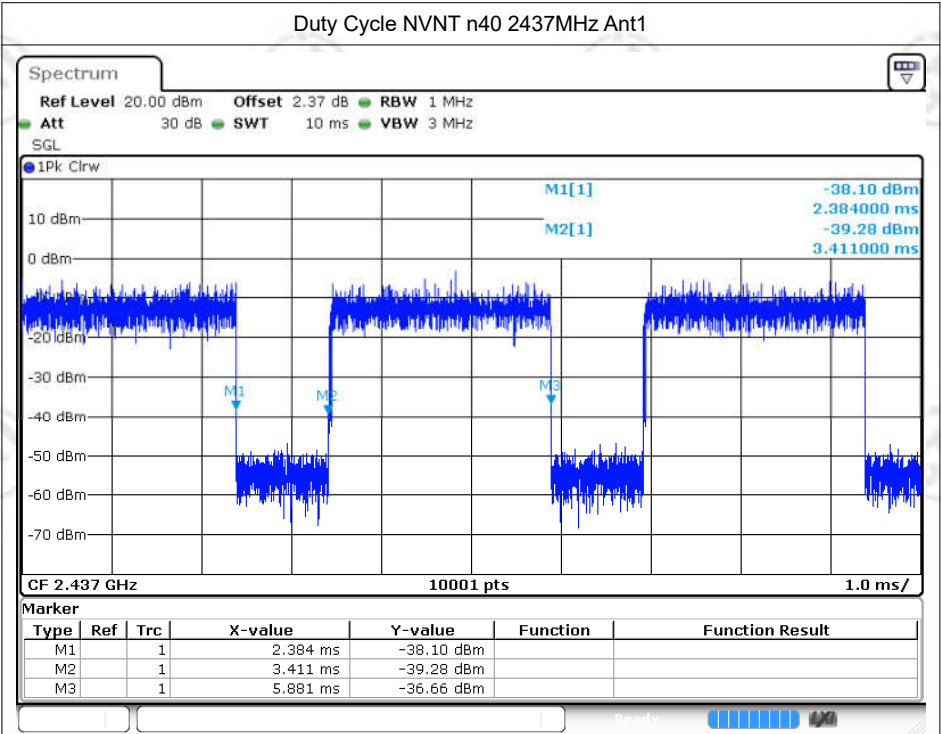
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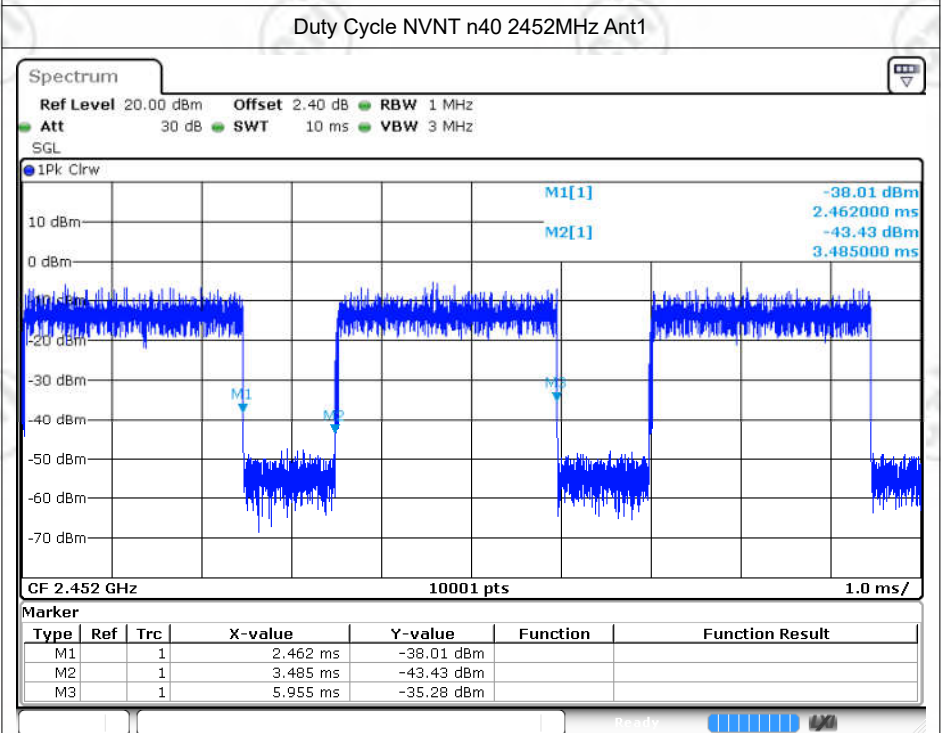
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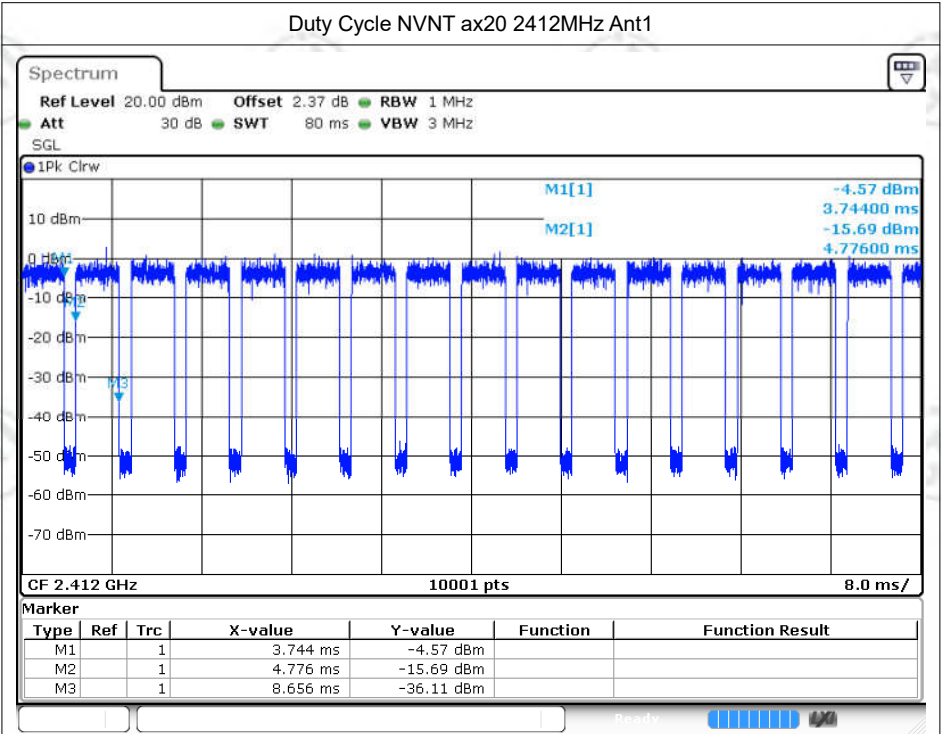
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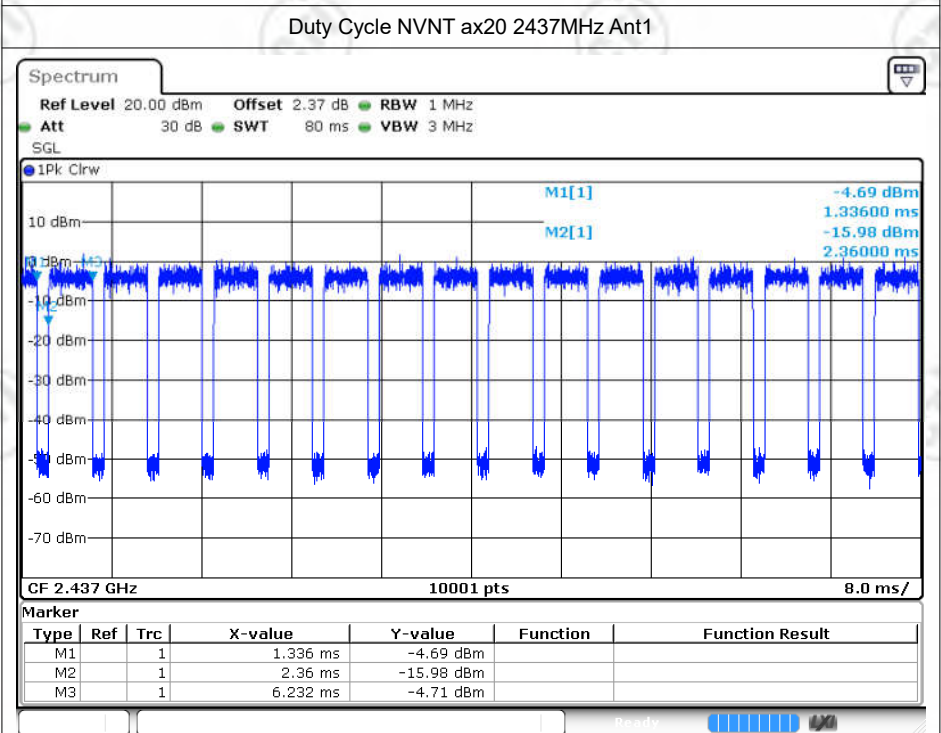
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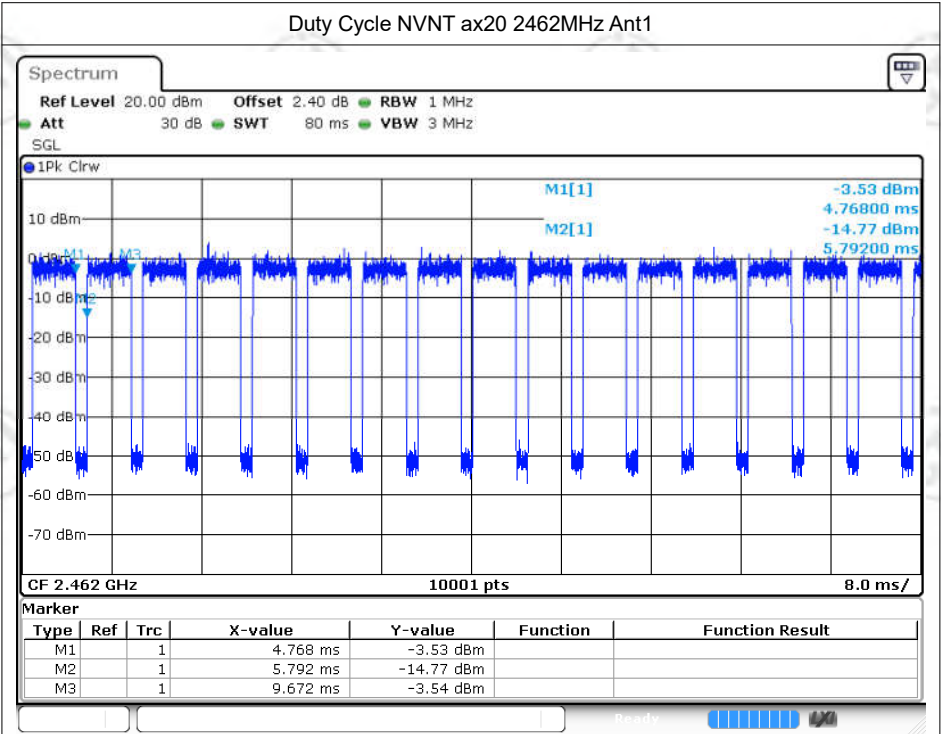
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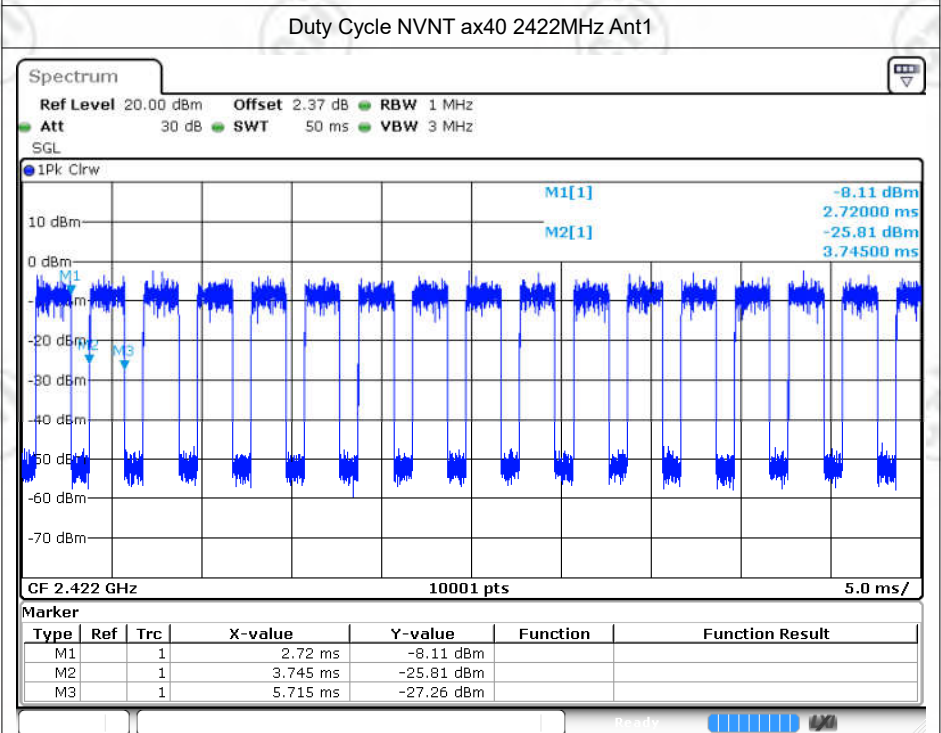
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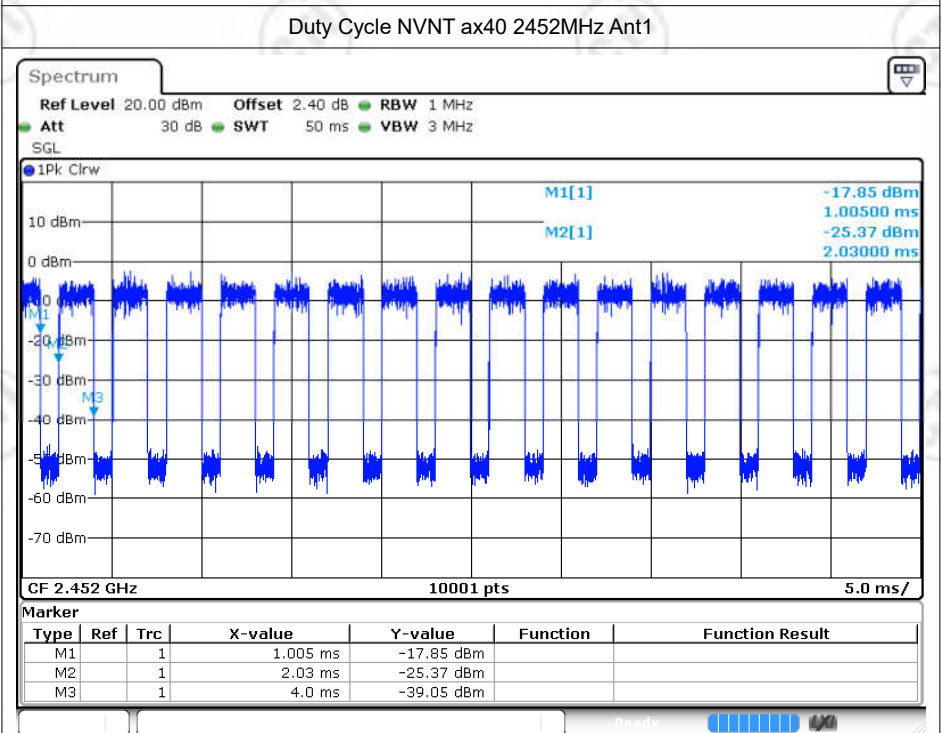
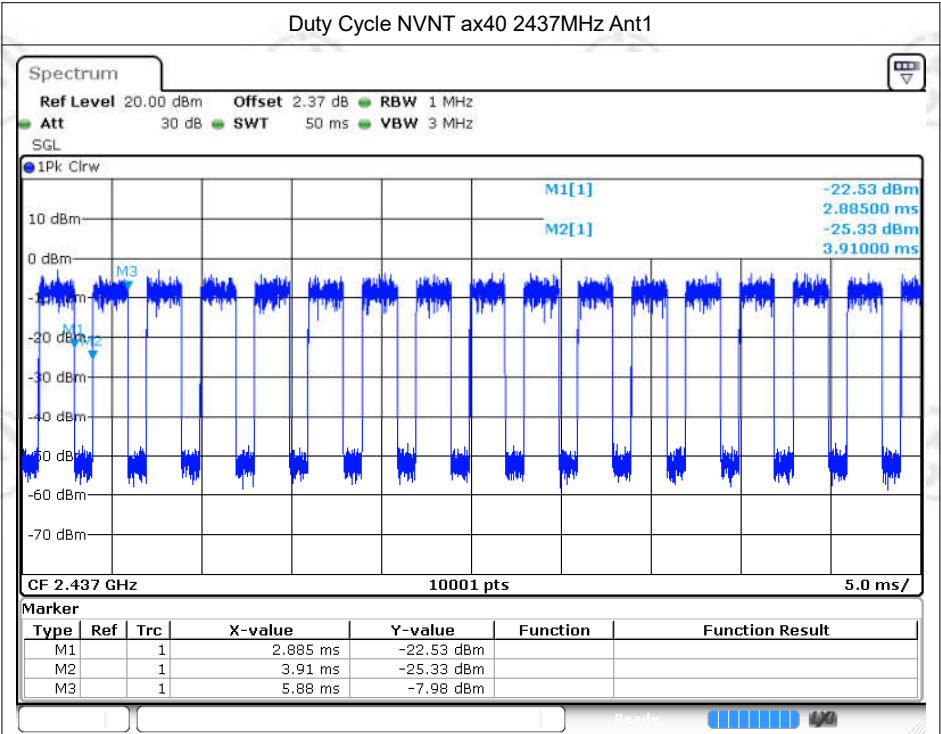
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Date: 8.DEC.2024 12:49:37



Date: 8.DEC.2024 12:50:21



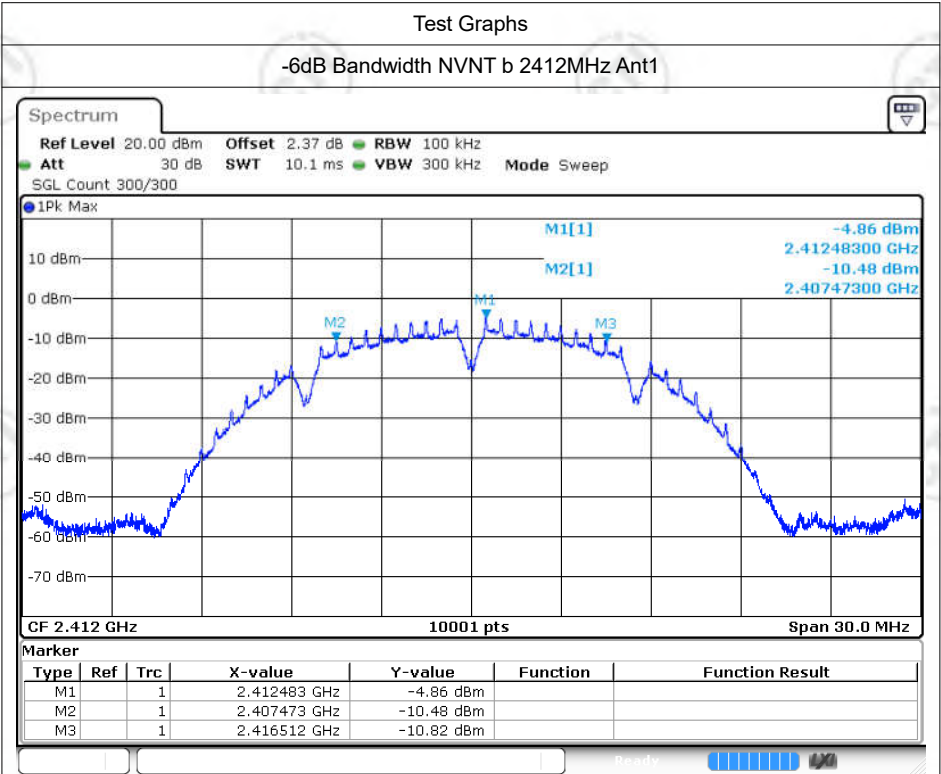
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	3.36	30	Pass
NVNT	b	2442	Ant1	3.58	30	Pass
NVNT	b	2462	Ant1	3.87	30	Pass
NVNT	g	2412	Ant1	3.07	30	Pass
NVNT	g	2442	Ant1	2.94	30	Pass
NVNT	g	2462	Ant1	3.42	30	Pass
NVNT	n20	2412	Ant1	2.90	30	Pass
NVNT	n20	2437	Ant1	3.47	30	Pass
NVNT	n20	2462	Ant1	3.40	30	Pass
NVNT	n40	2422	Ant1	3.06	30	Pass
NVNT	n40	2437	Ant1	3.37	30	Pass
NVNT	n40	2452	Ant1	3.15	30	Pass
NVNT	ax20	2412	Ant1	2.98	30	Pass
NVNT	ax20	2437	Ant1	3.34	30	Pass
NVNT	ax20	2462	Ant1	3.98	30	Pass
NVNT	ax40	2422	Ant1	2.99	30	Pass
NVNT	ax40	2437	Ant1	3.31	30	Pass
NVNT	ax40	2452	Ant1	3.09	30	Pass

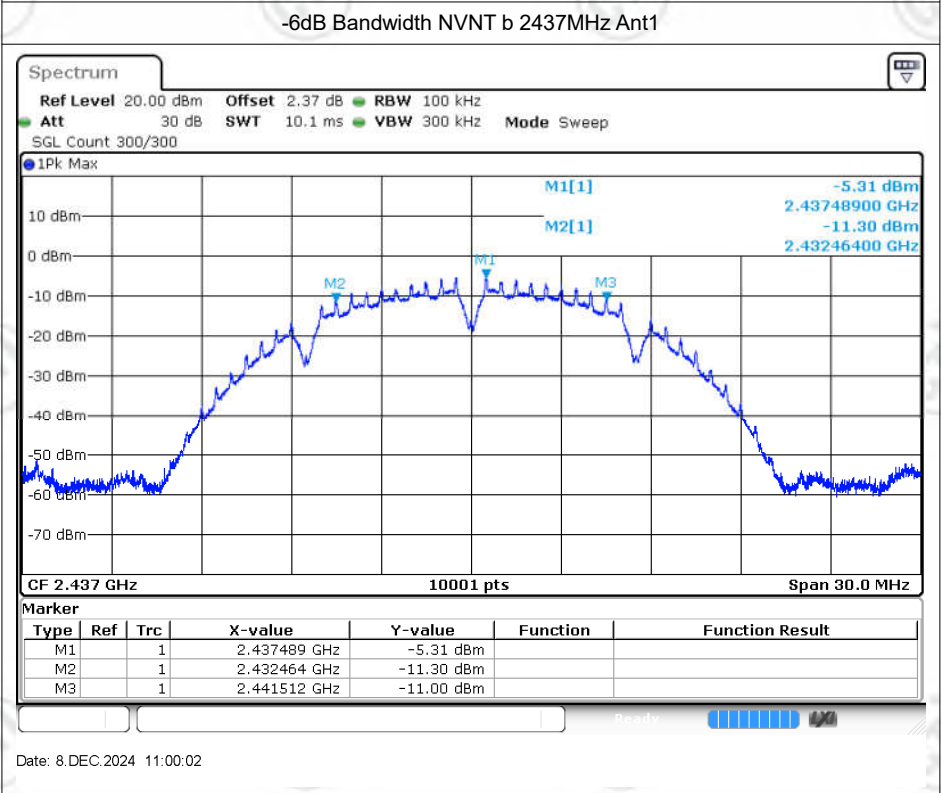
Note: The Conducted Power (dBm) has been added Duty Cycle Correction Factor (dB);

-6dB Bandwidth

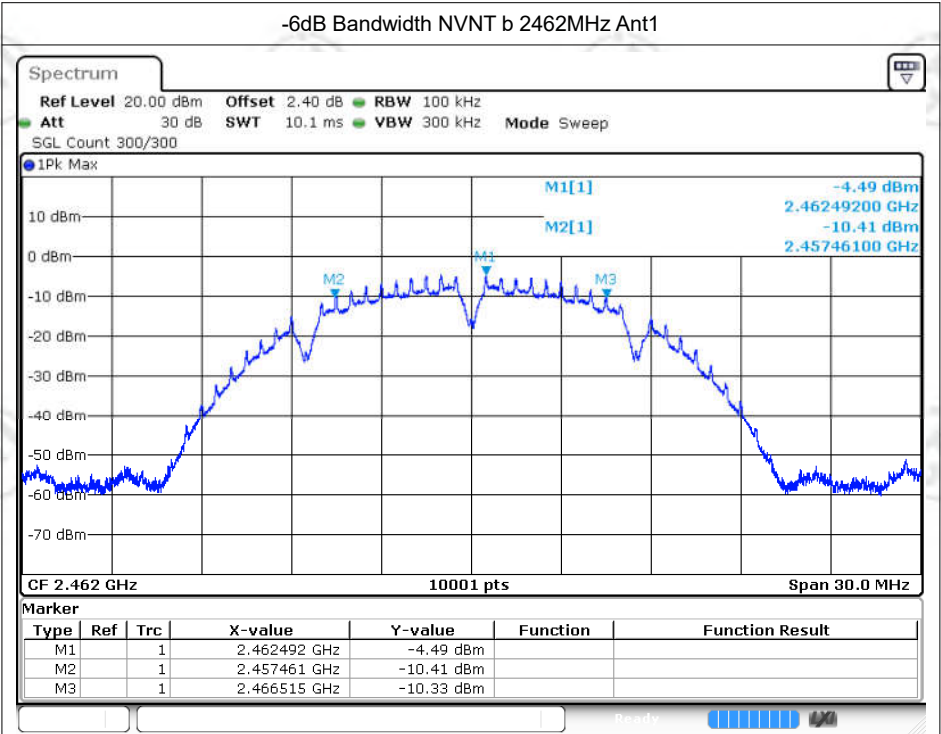
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NVNT	b	2412	Ant1	9.039	0.5	Pass
NVNT	b	2437	Ant1	9.048	0.5	Pass
NVNT	b	2462	Ant1	9.054	0.5	Pass
NVNT	g	2412	Ant1	16.284	0.5	Pass
NVNT	g	2437	Ant1	16.278	0.5	Pass
NVNT	g	2462	Ant1	16.284	0.5	Pass
NVNT	n20	2412	Ant1	17.139	0.5	Pass
NVNT	n20	2437	Ant1	17.262	0.5	Pass
NVNT	n20	2462	Ant1	17.013	0.5	Pass
NVNT	n40	2422	Ant1	35.076	0.5	Pass
NVNT	n40	2437	Ant1	35.01	0.5	Pass
NVNT	n40	2452	Ant1	35.85	0.5	Pass
NVNT	ax20	2412	Ant1	17.631	0.5	Pass
NVNT	ax20	2437	Ant1	18.687	0.5	Pass
NVNT	ax20	2462	Ant1	17.973	0.5	Pass
NVNT	ax40	2422	Ant1	36.3	0.5	Pass
NVNT	ax40	2437	Ant1	37.884	0.5	Pass
NVNT	ax40	2452	Ant1	36.75	0.5	Pass



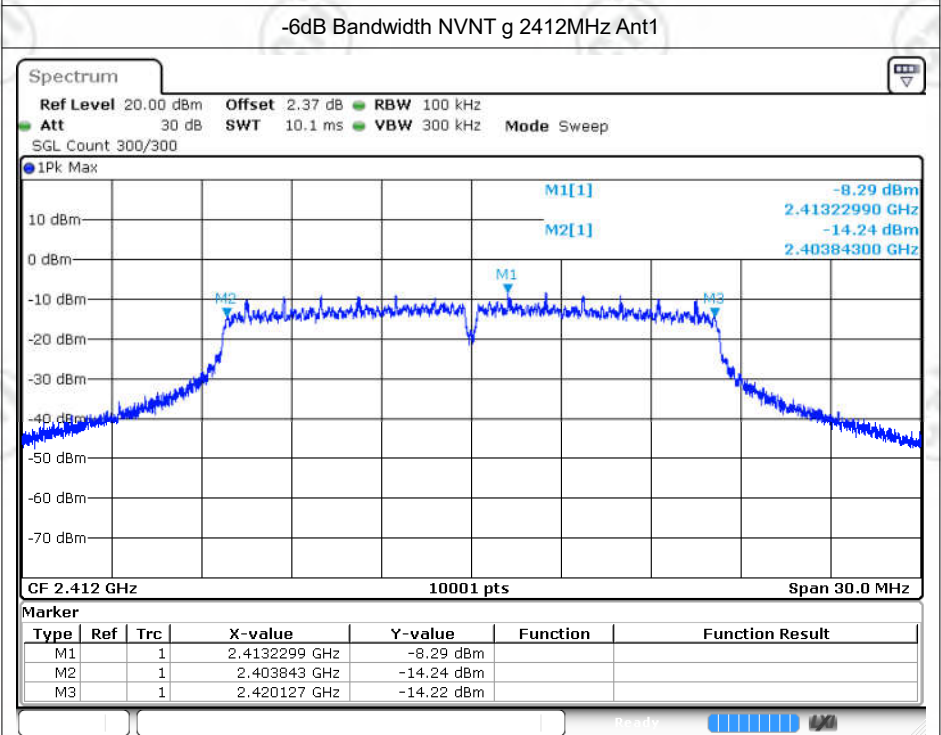
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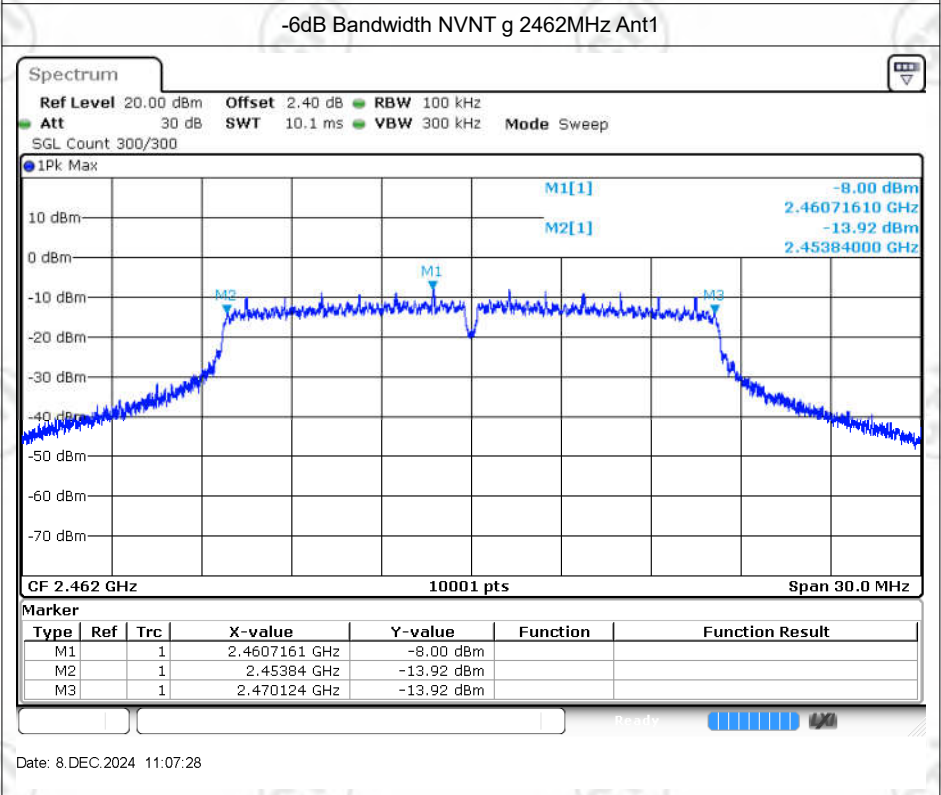
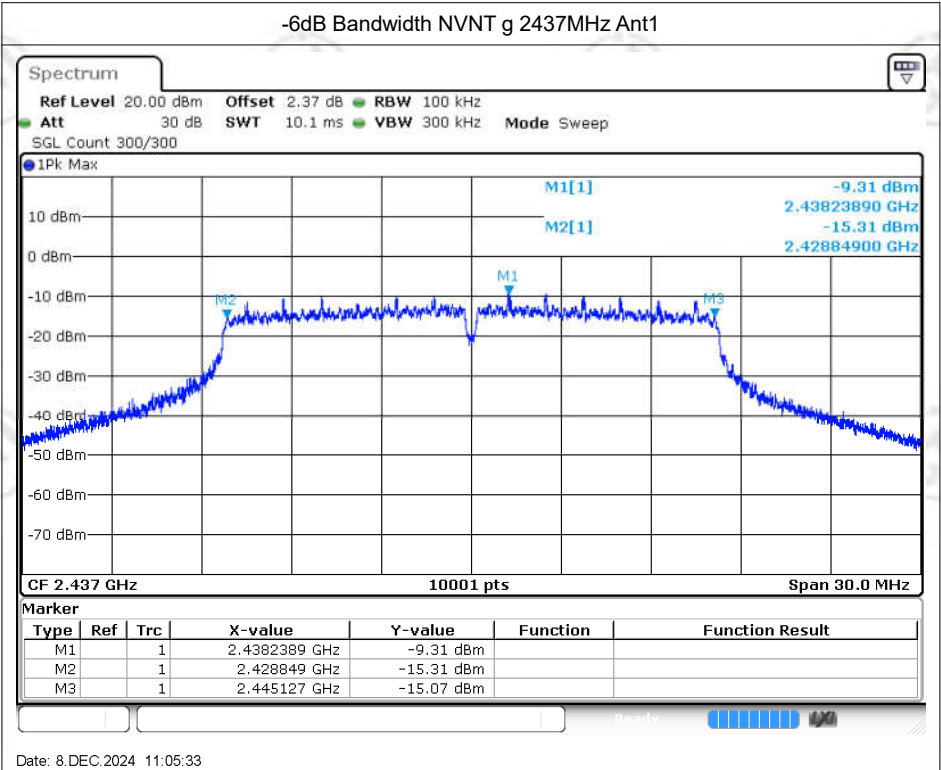
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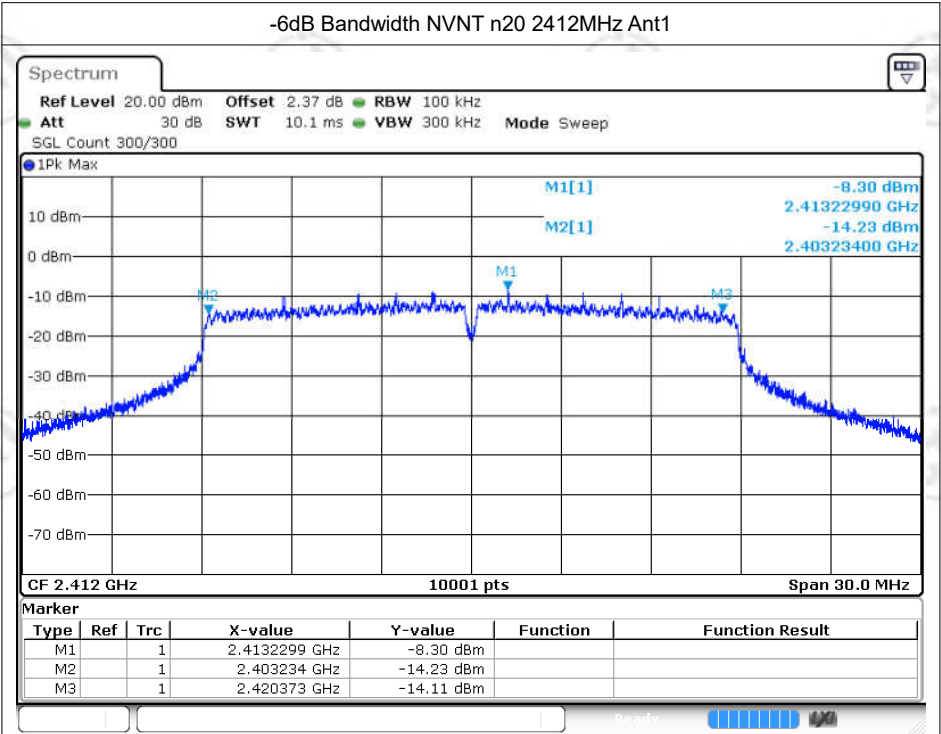


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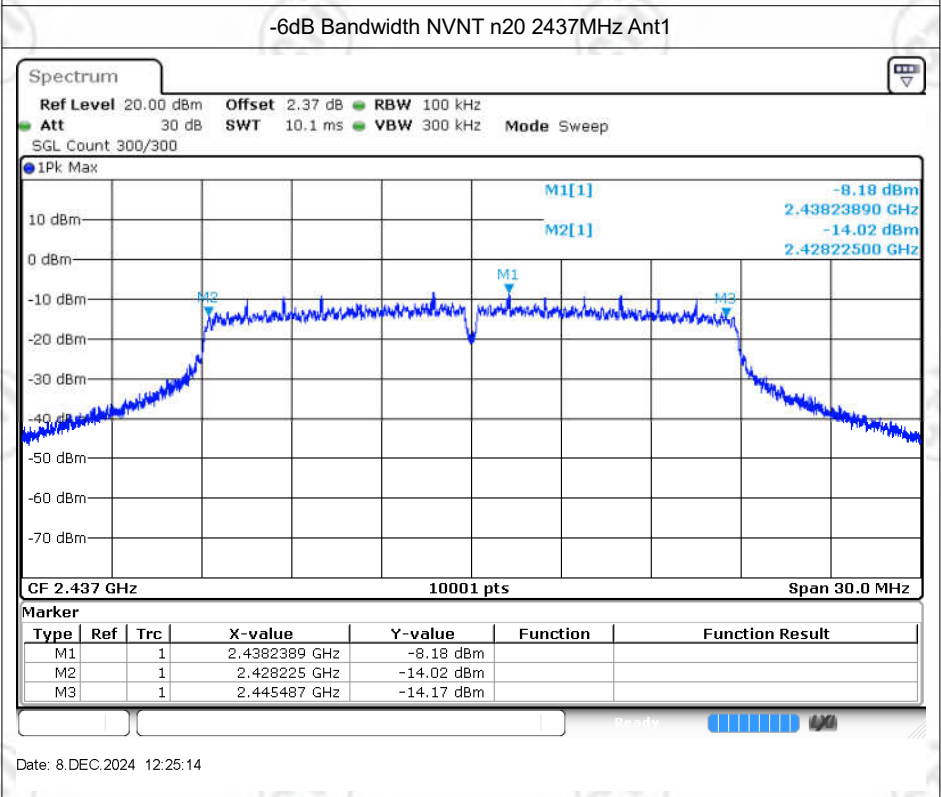


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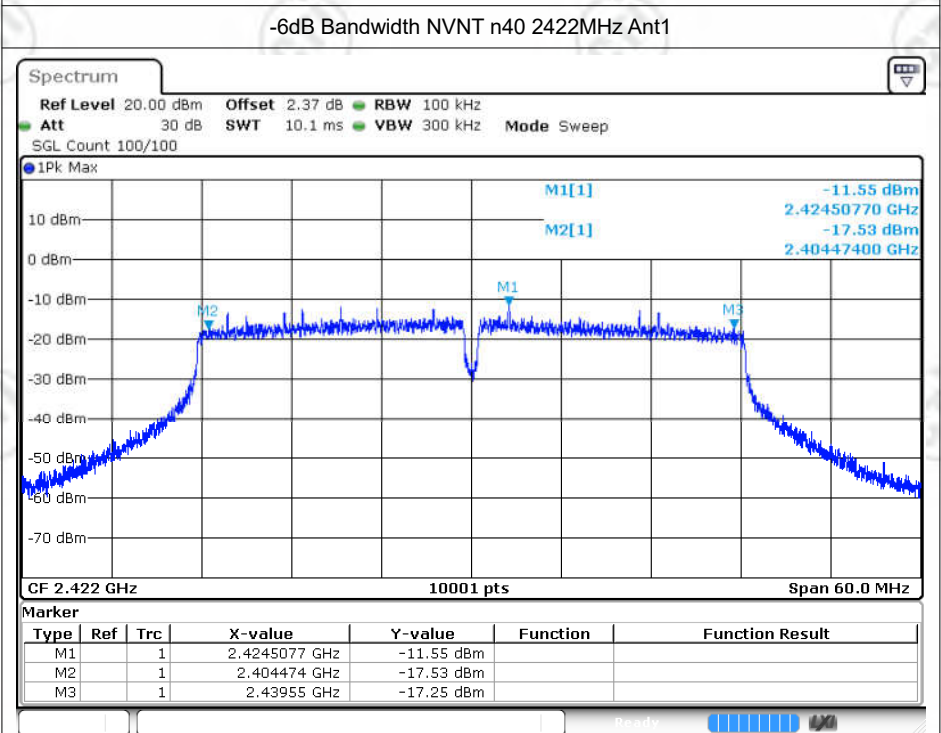
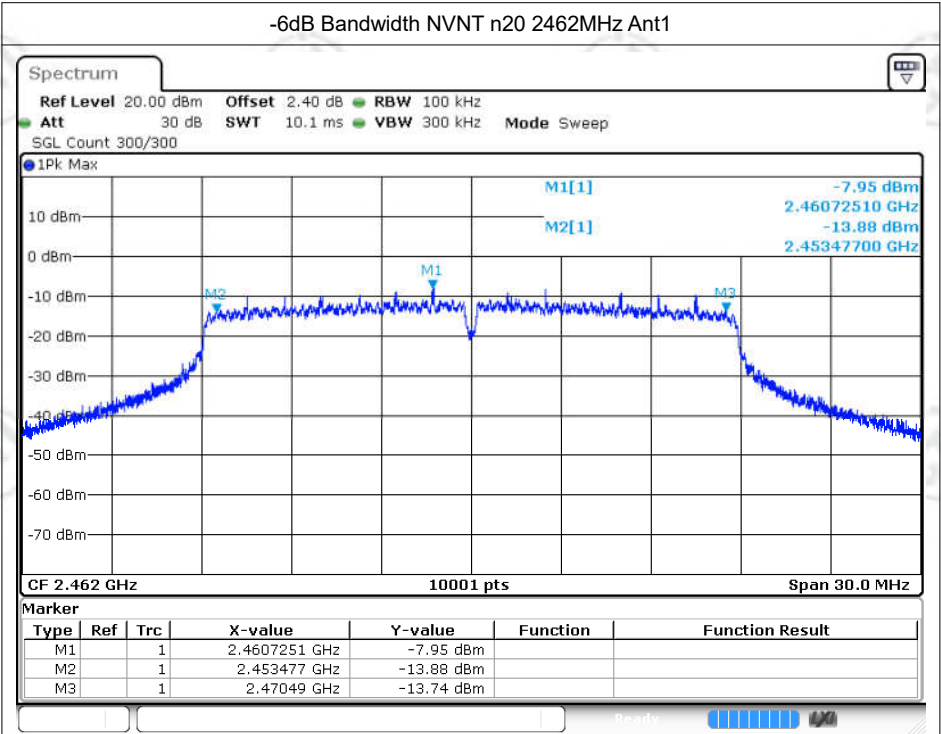


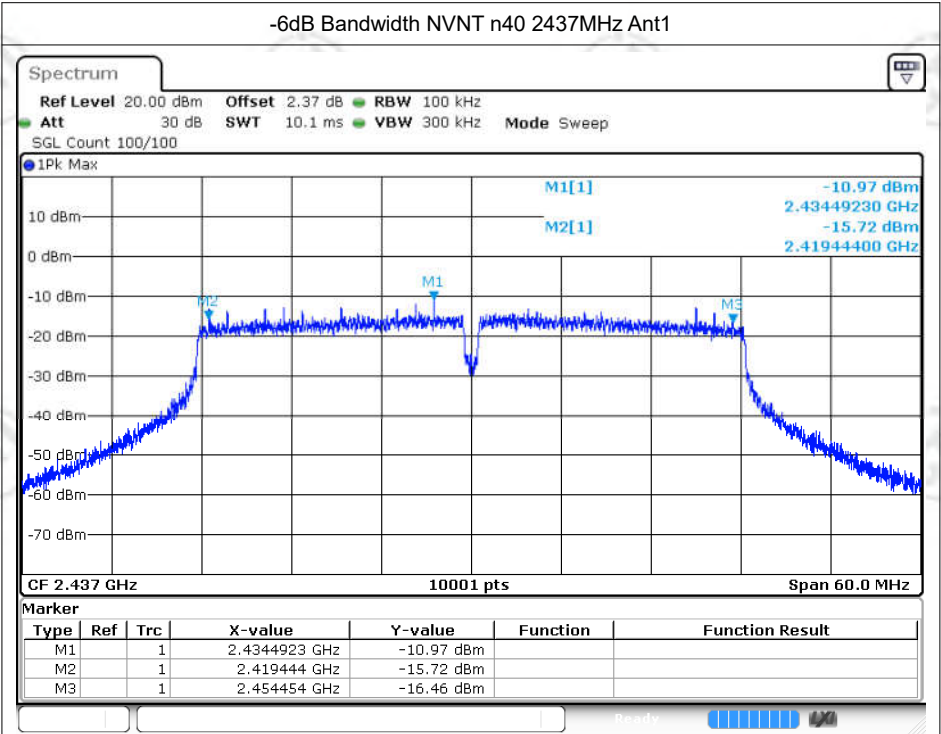


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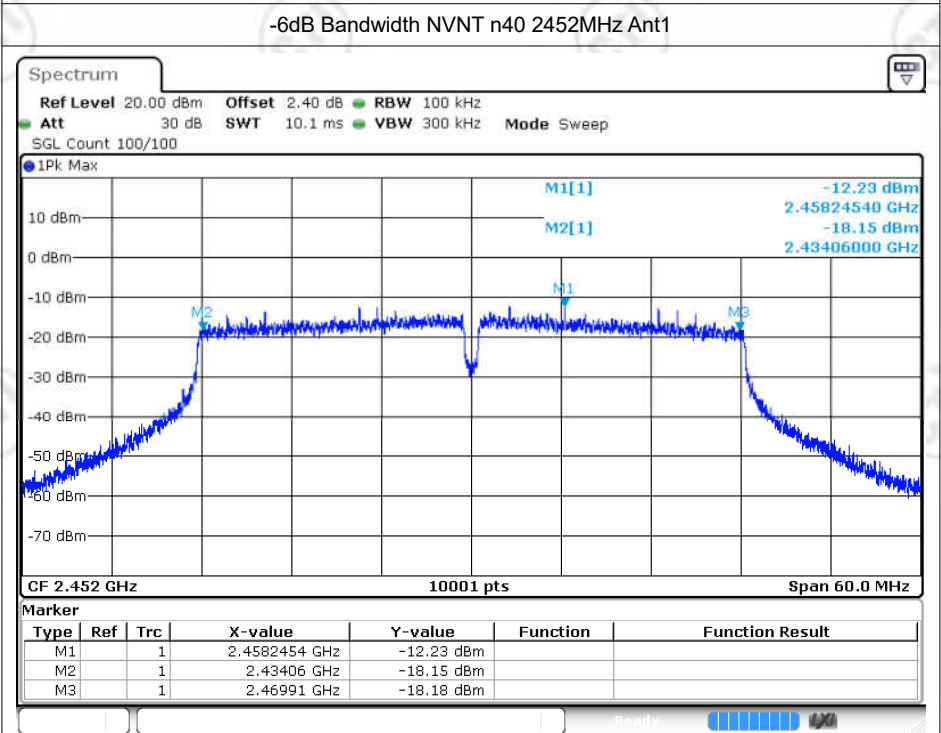


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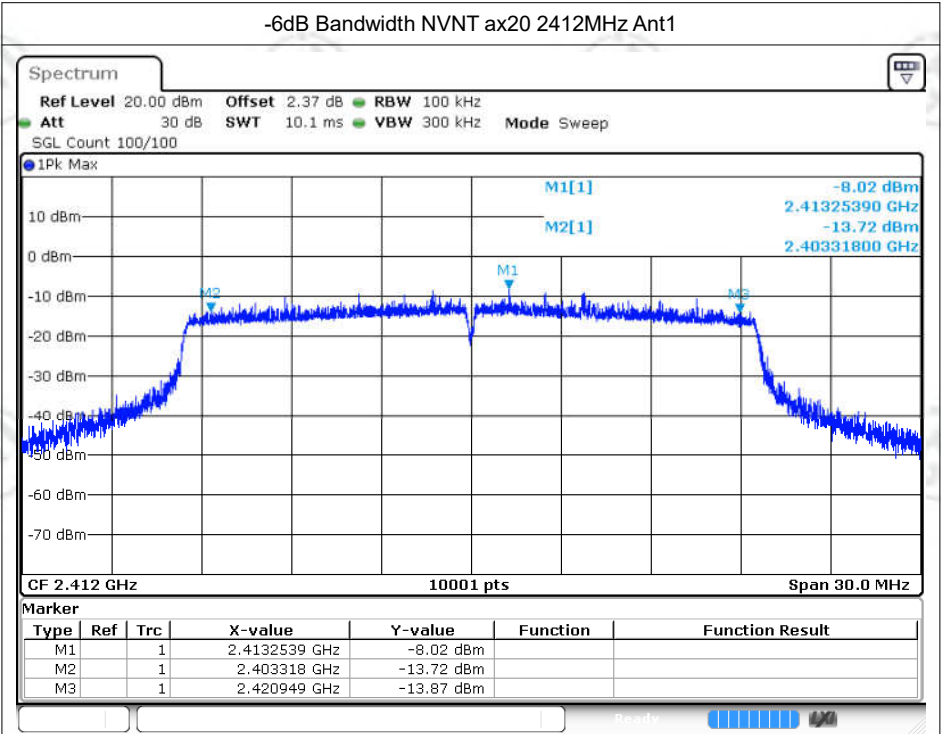




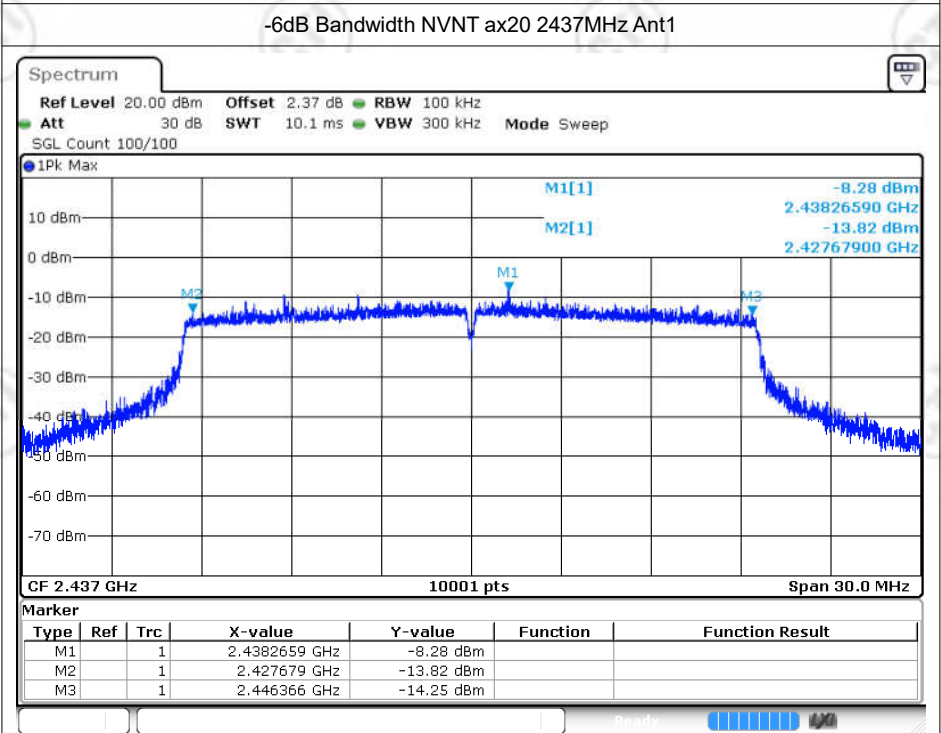
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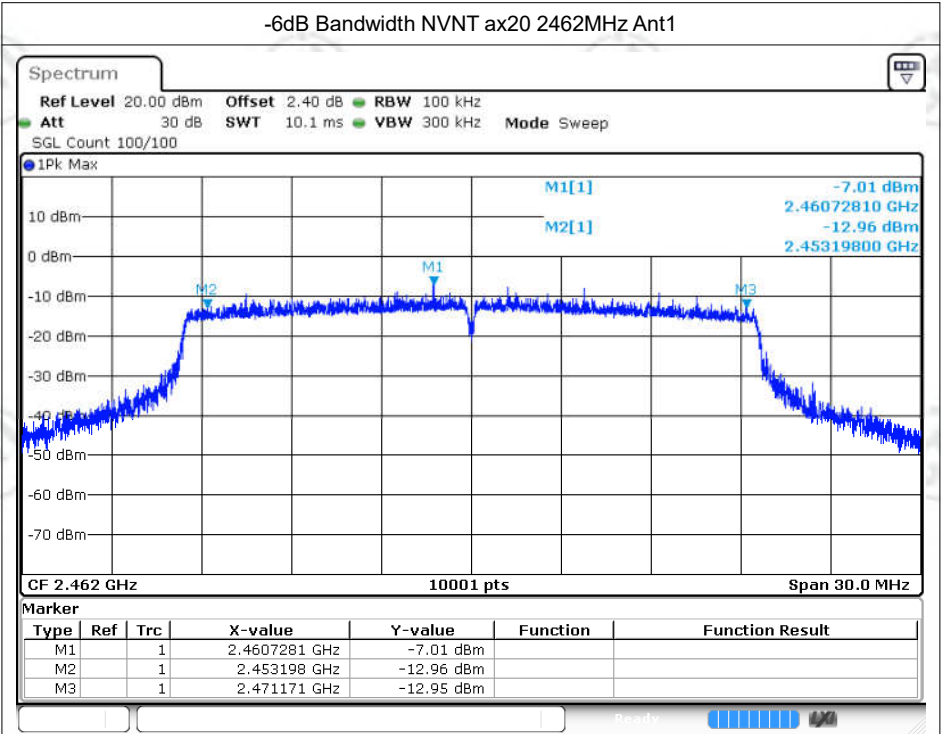
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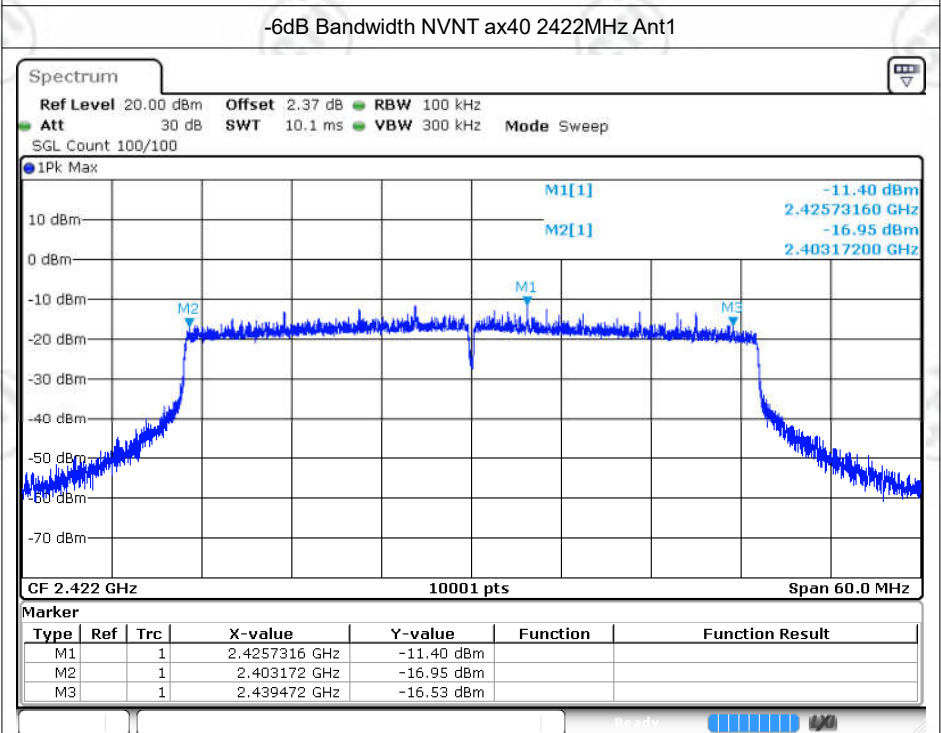
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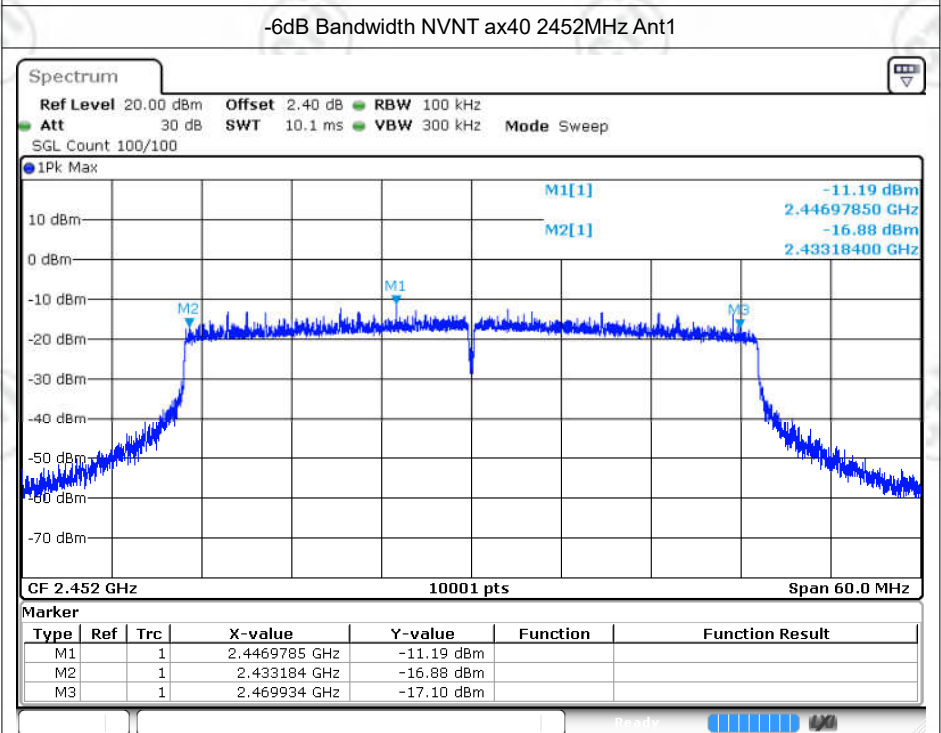
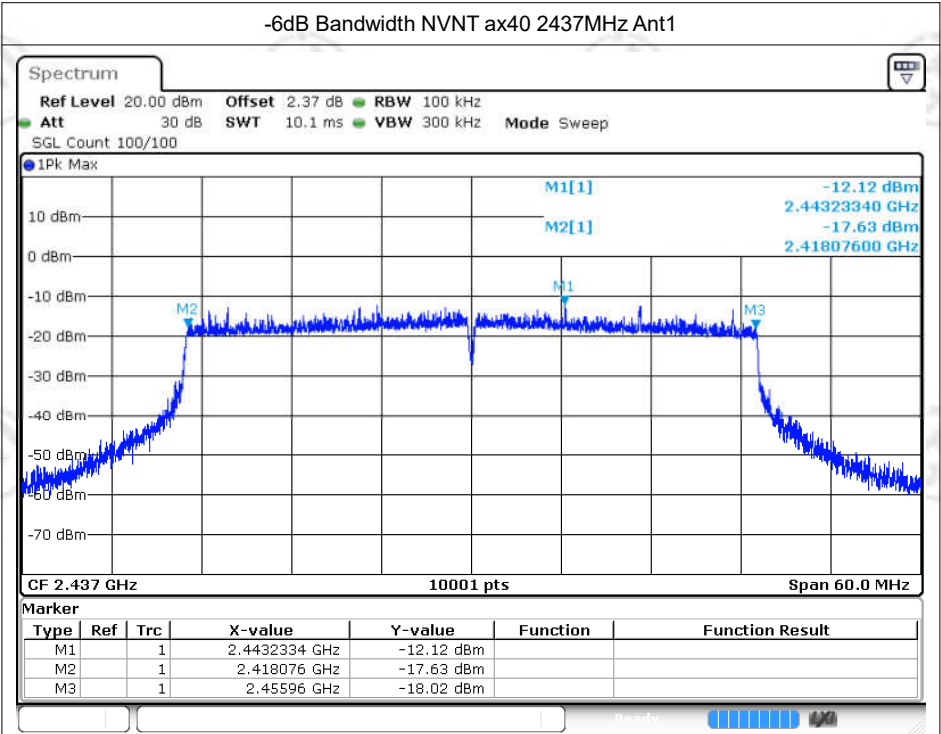
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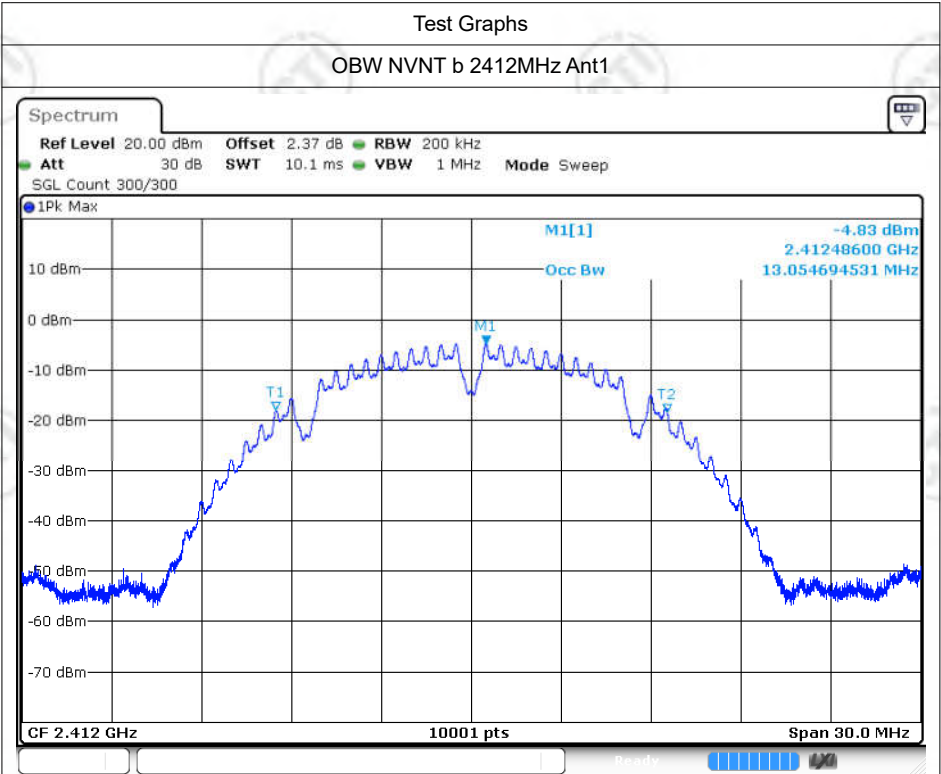


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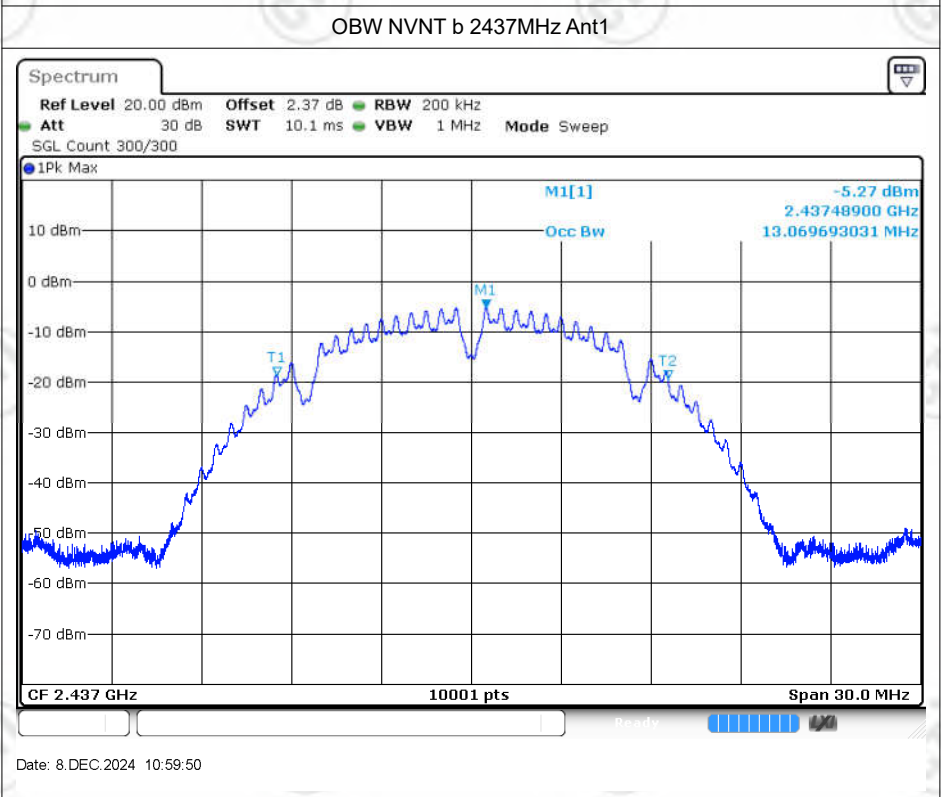


Occupied Channel Bandwidth

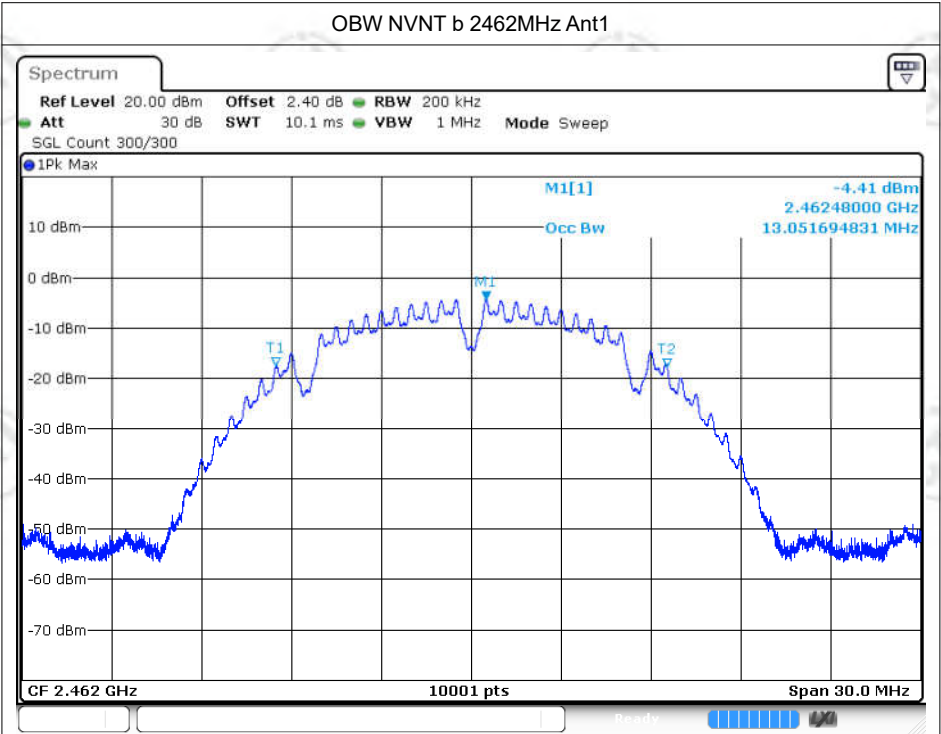
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.055
NVNT	b	2437	Ant1	13.07
NVNT	b	2462	Ant1	13.052
NVNT	g	2412	Ant1	16.639
NVNT	g	2437	Ant1	16.666
NVNT	g	2462	Ant1	16.669
NVNT	n20	2412	Ant1	17.854
NVNT	n20	2437	Ant1	17.878
NVNT	n20	2462	Ant1	17.857
NVNT	n40	2422	Ant1	36.398
NVNT	n40	2437	Ant1	36.422
NVNT	n40	2452	Ant1	36.44
NVNT	ax20	2412	Ant1	18.979
NVNT	ax20	2437	Ant1	19.006
NVNT	ax20	2462	Ant1	18.991
NVNT	ax40	2422	Ant1	37.82
NVNT	ax40	2437	Ant1	37.82
NVNT	ax40	2452	Ant1	37.814



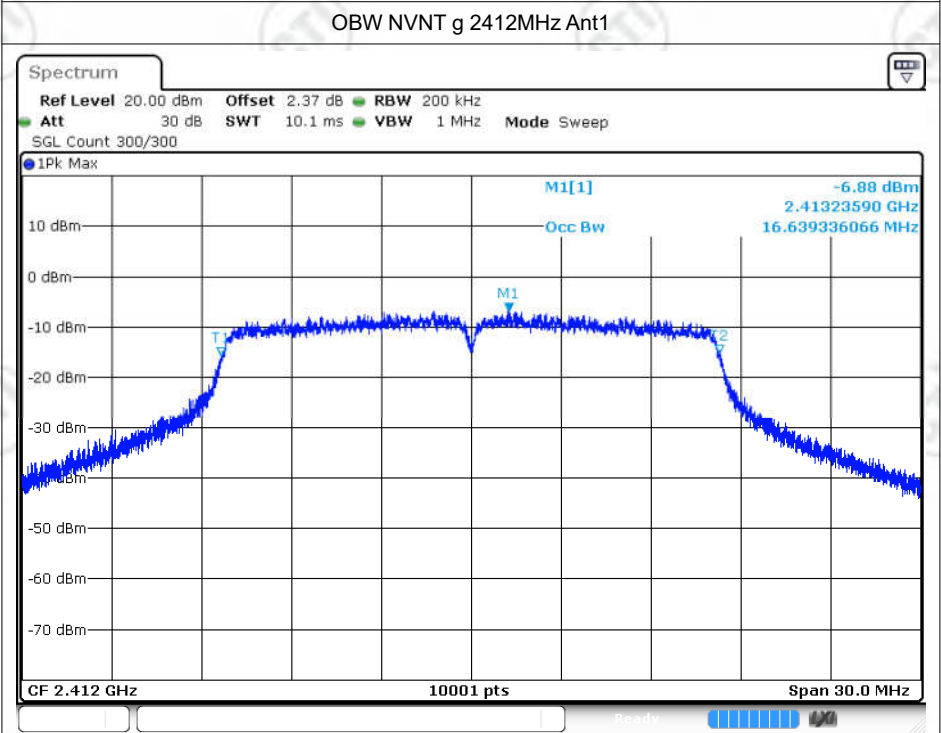
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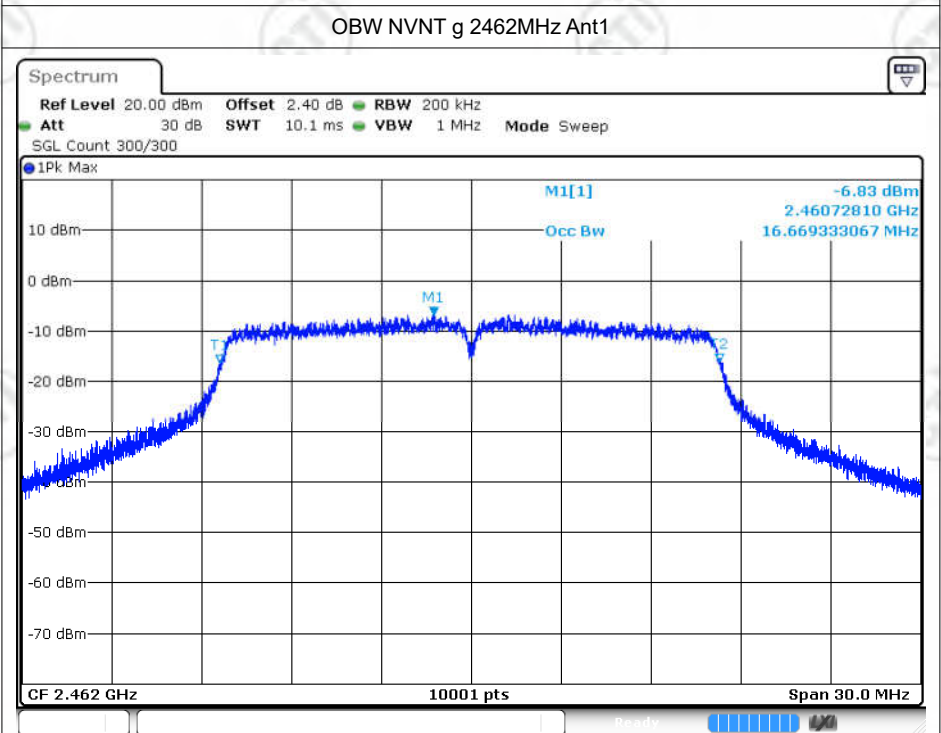
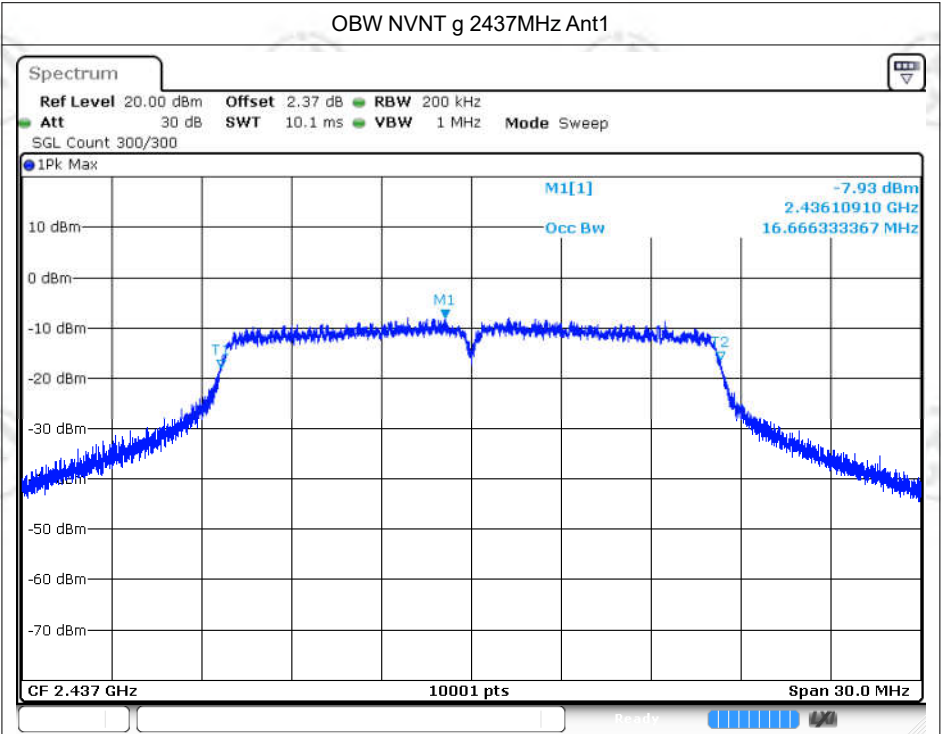
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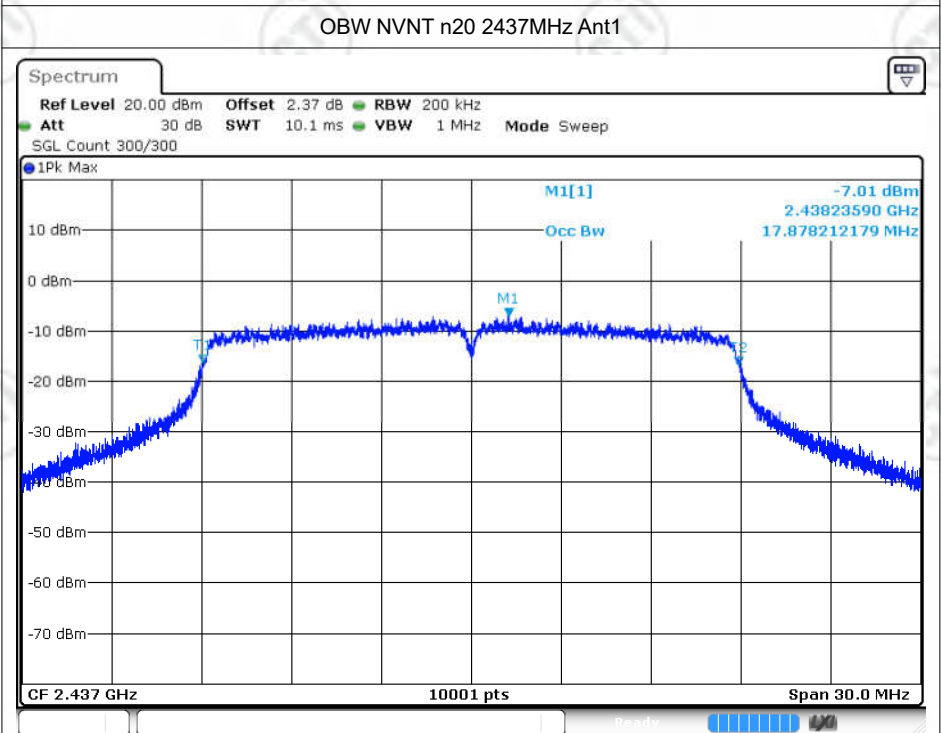
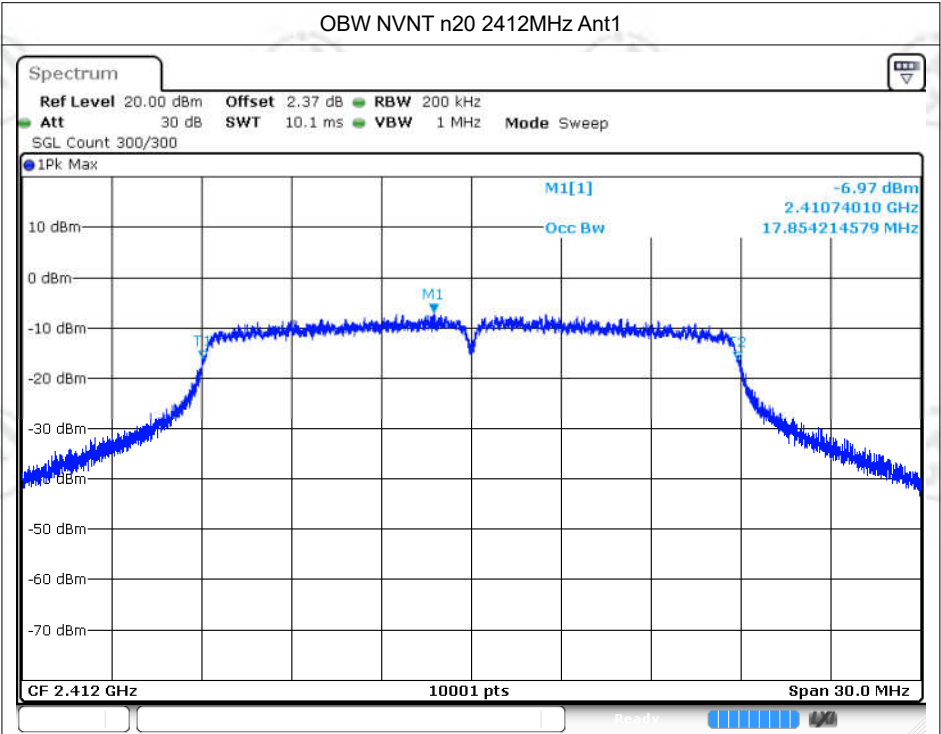


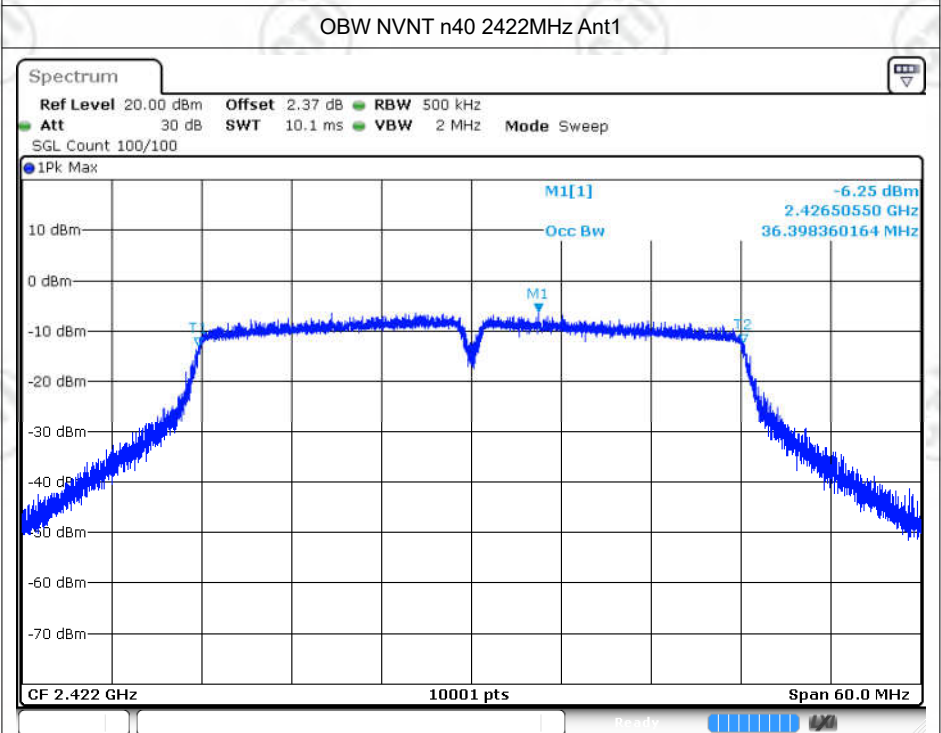
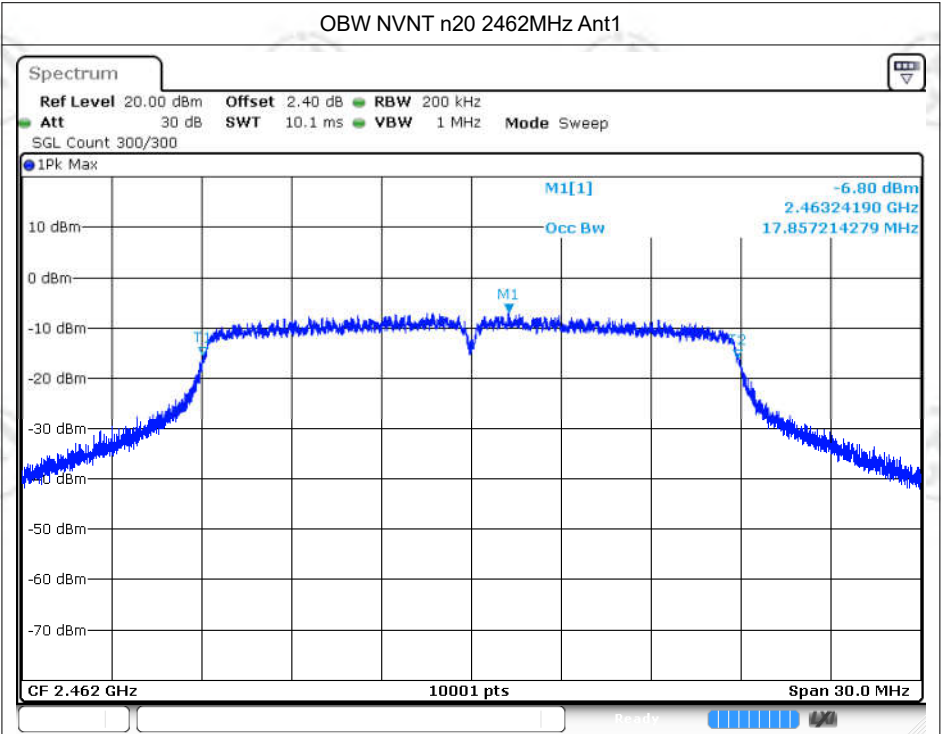
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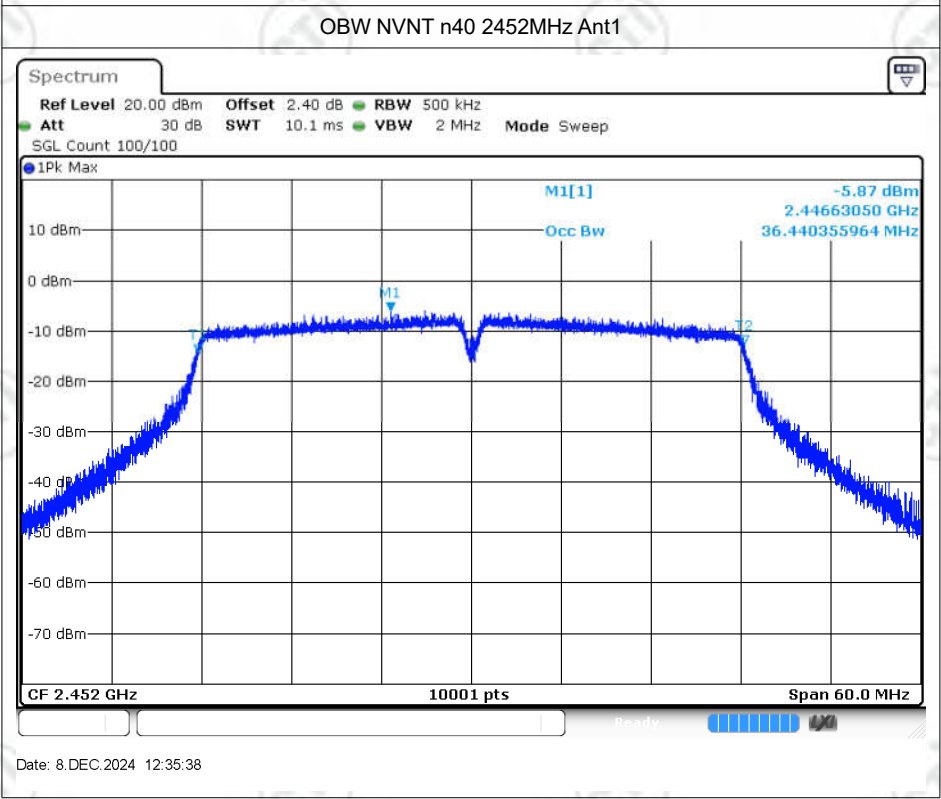
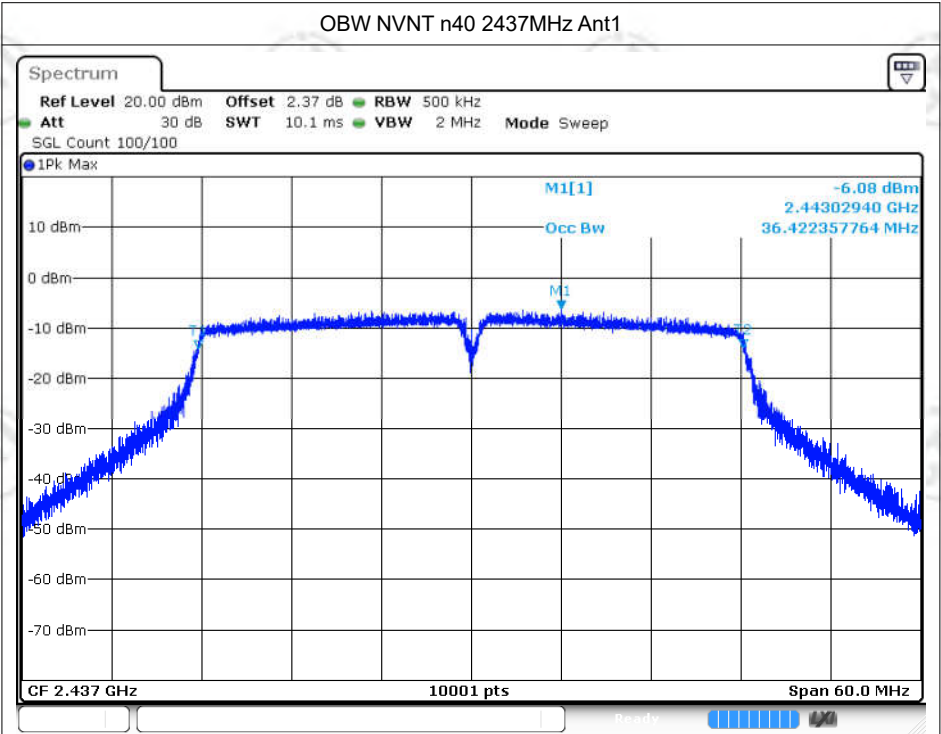


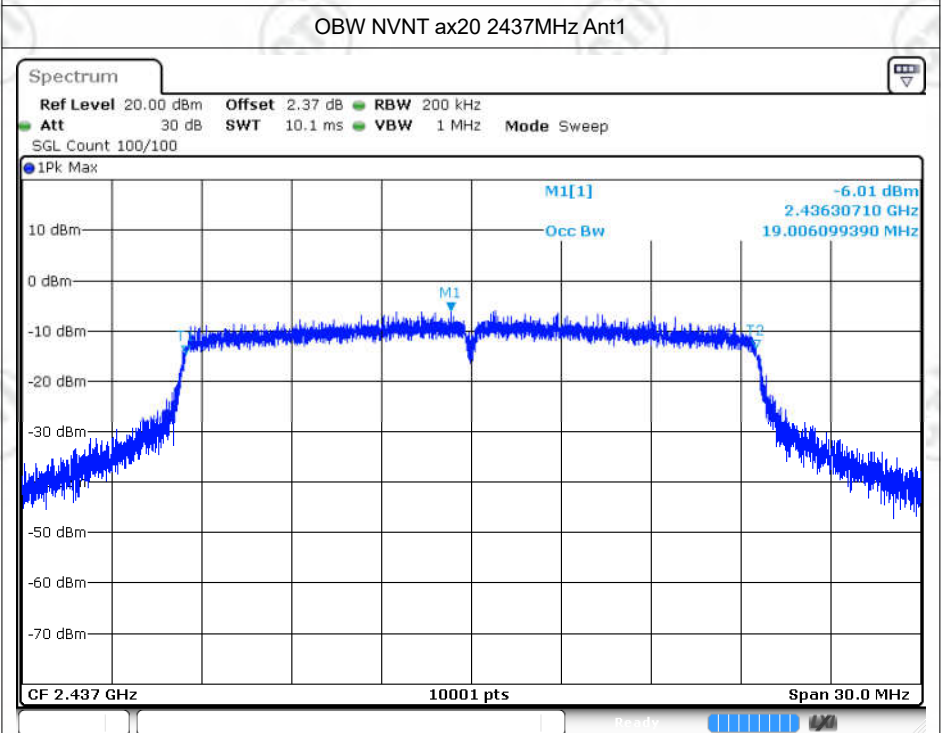
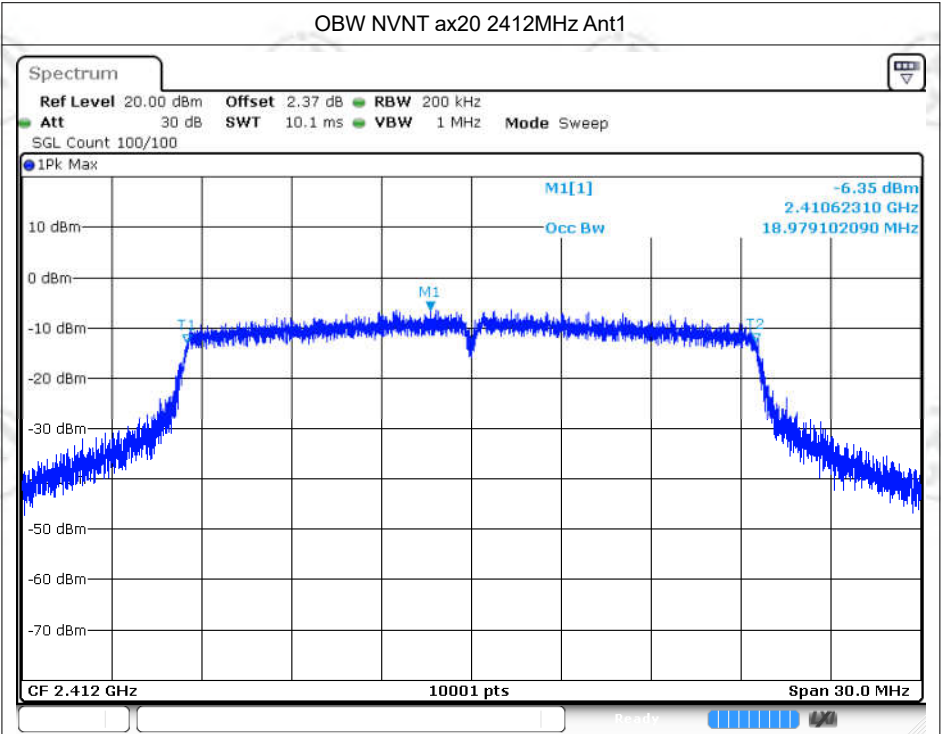
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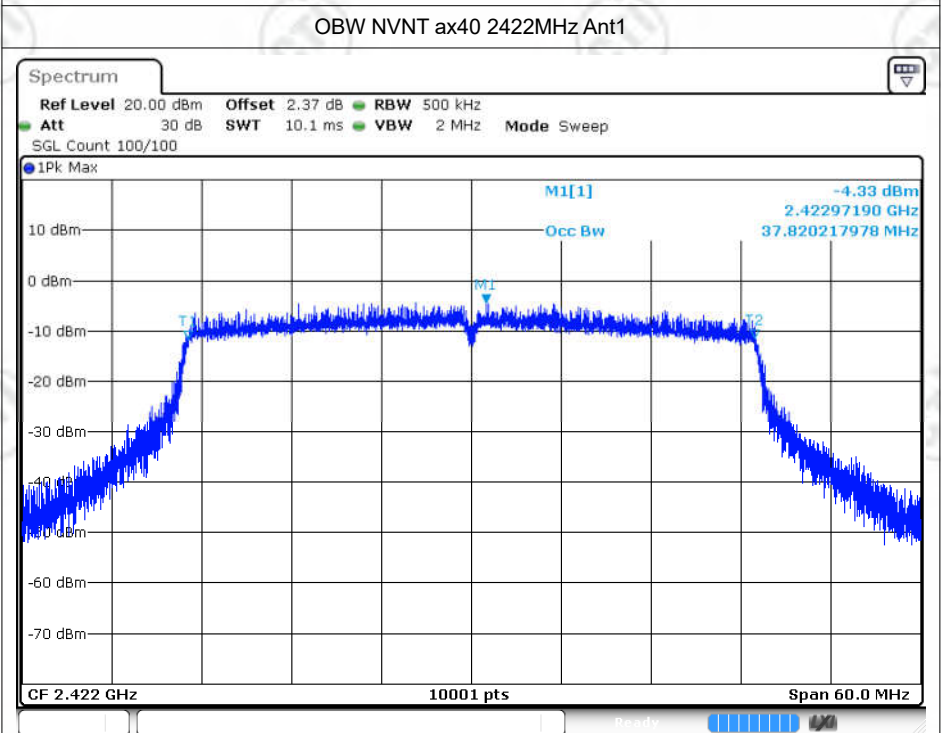
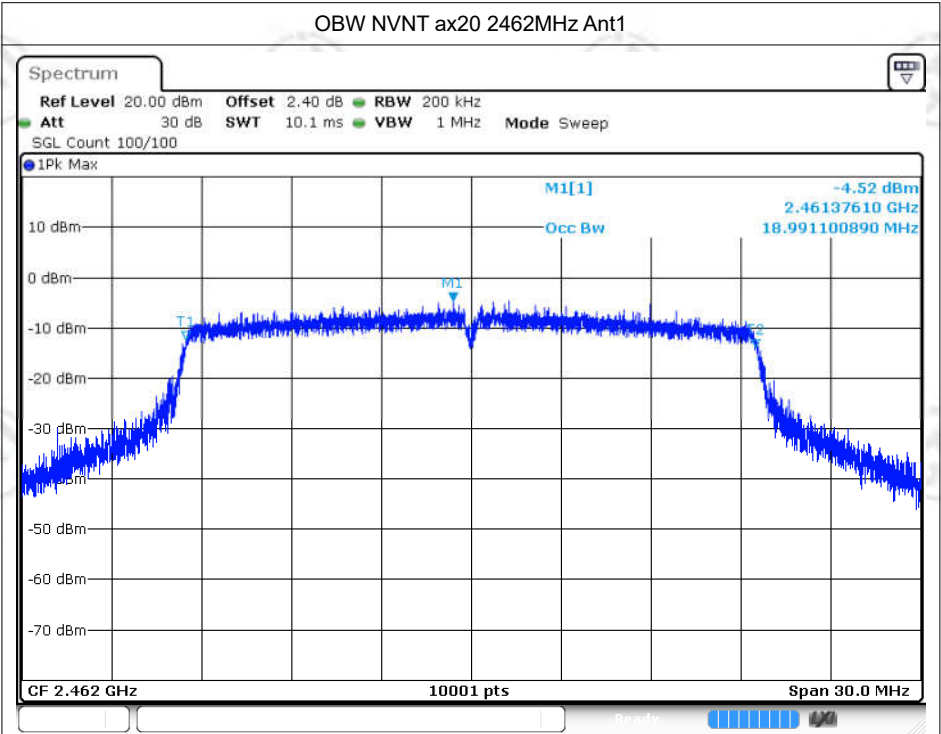


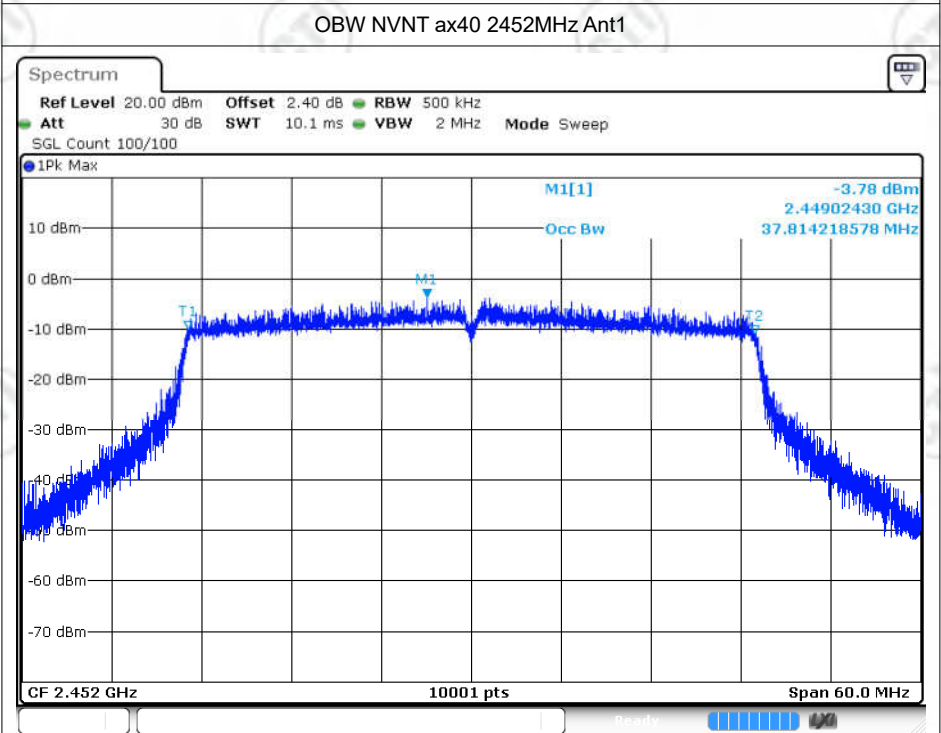
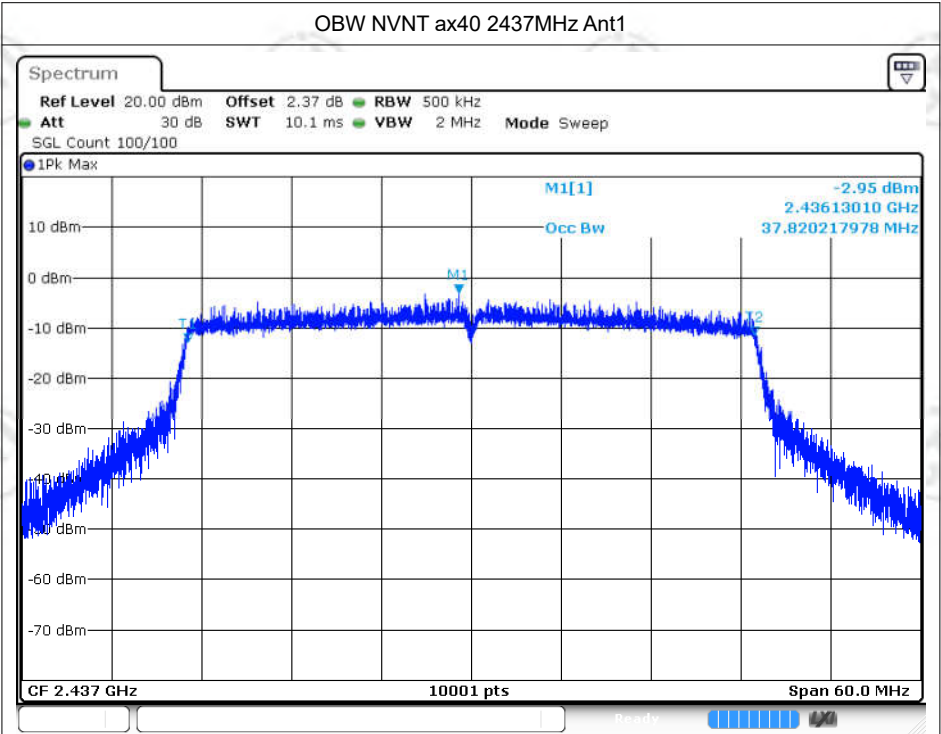








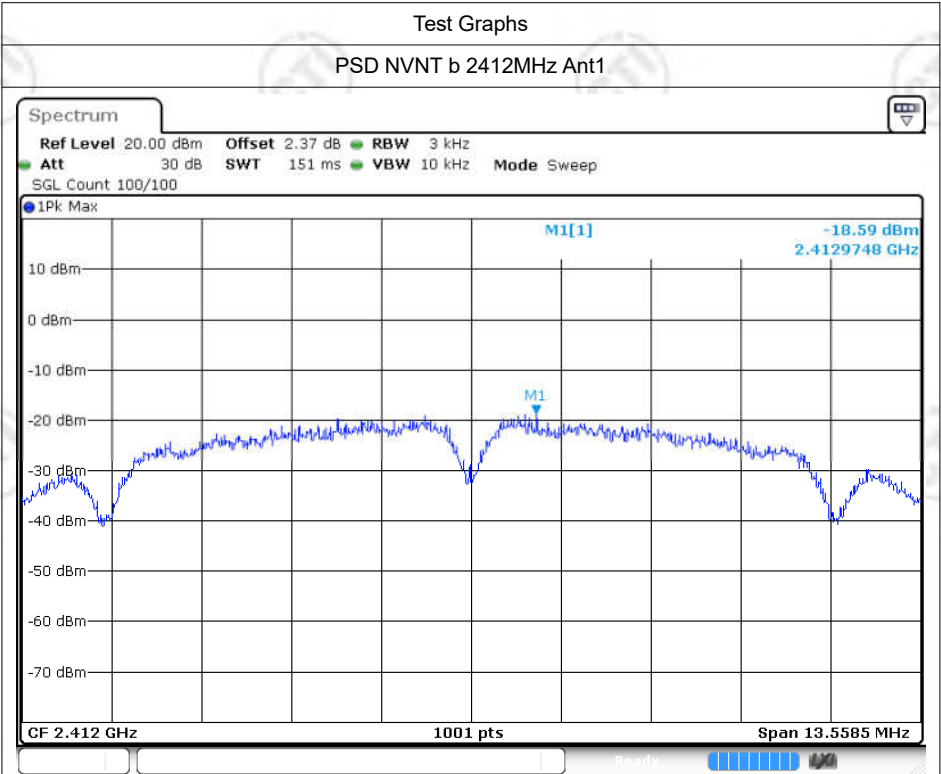




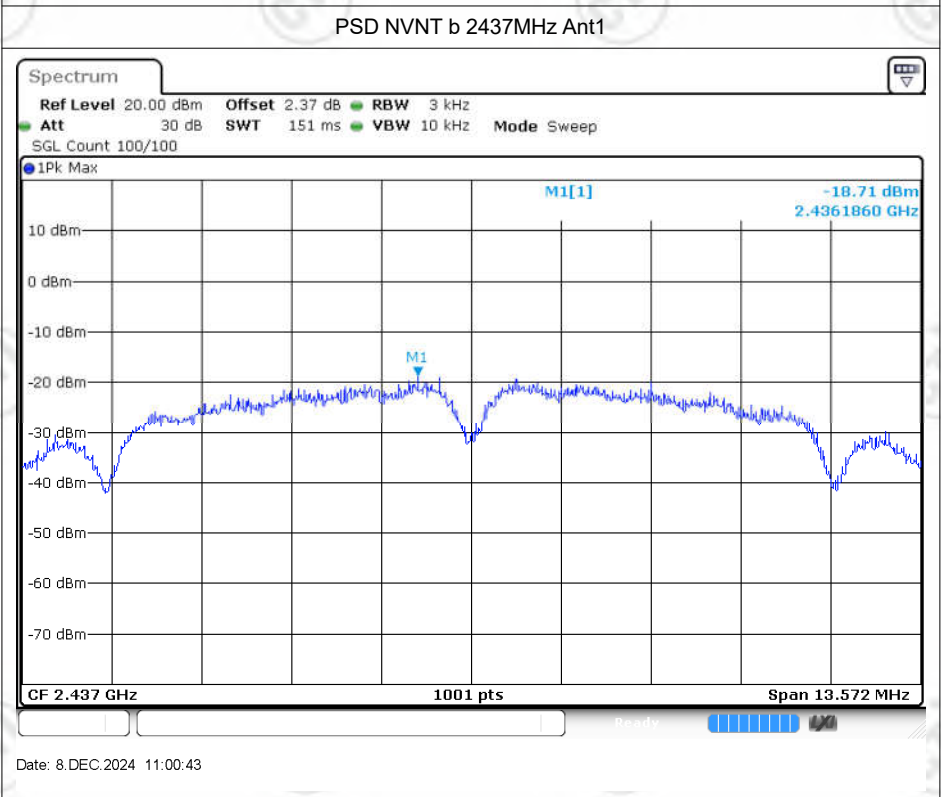
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-18.59	8	Pass
NVNT	b	2437	Ant1	-18.71	8	Pass
NVNT	b	2462	Ant1	-18.87	8	Pass
NVNT	g	2412	Ant1	-21.58	8	Pass
NVNT	g	2437	Ant1	-22.80	8	Pass
NVNT	g	2462	Ant1	-21.63	8	Pass
NVNT	n20	2412	Ant1	-21.27	8	Pass
NVNT	n20	2437	Ant1	-21.73	8	Pass
NVNT	n20	2462	Ant1	-20.47	8	Pass
NVNT	n40	2422	Ant1	-24.39	8	Pass
NVNT	n40	2437	Ant1	-24.11	8	Pass
NVNT	n40	2452	Ant1	-24.48	8	Pass
NVNT	ax20	2412	Ant1	-22.28	8	Pass
NVNT	ax20	2437	Ant1	-22.46	8	Pass
NVNT	ax20	2462	Ant1	-21.47	8	Pass
NVNT	ax40	2422	Ant1	-25.53	8	Pass
NVNT	ax40	2437	Ant1	-25.31	8	Pass
NVNT	ax40	2452	Ant1	-25.00	8	Pass

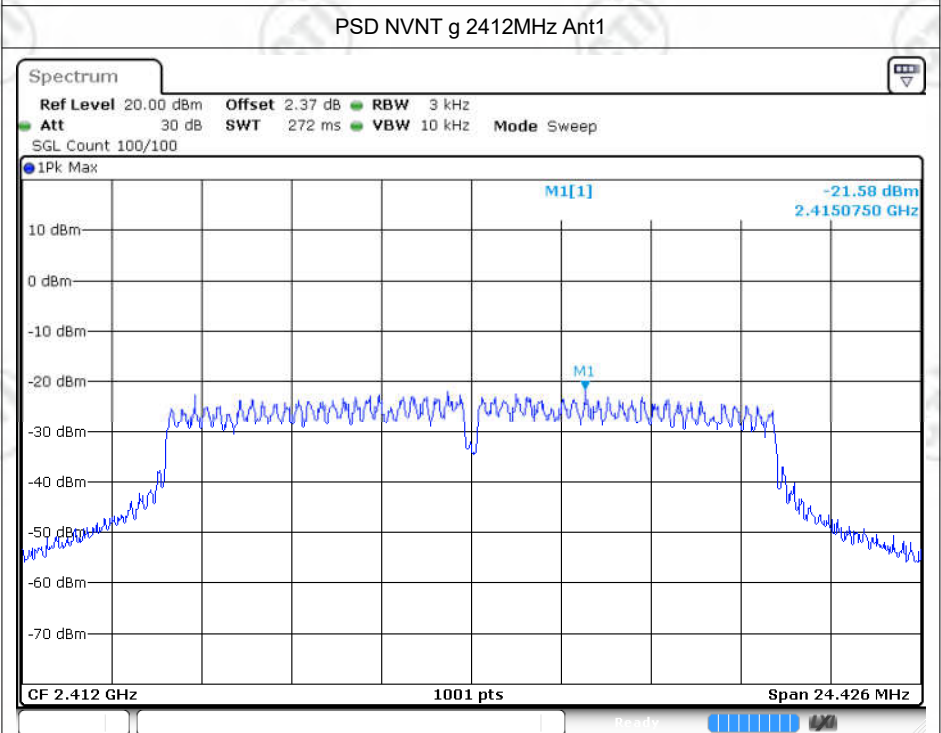
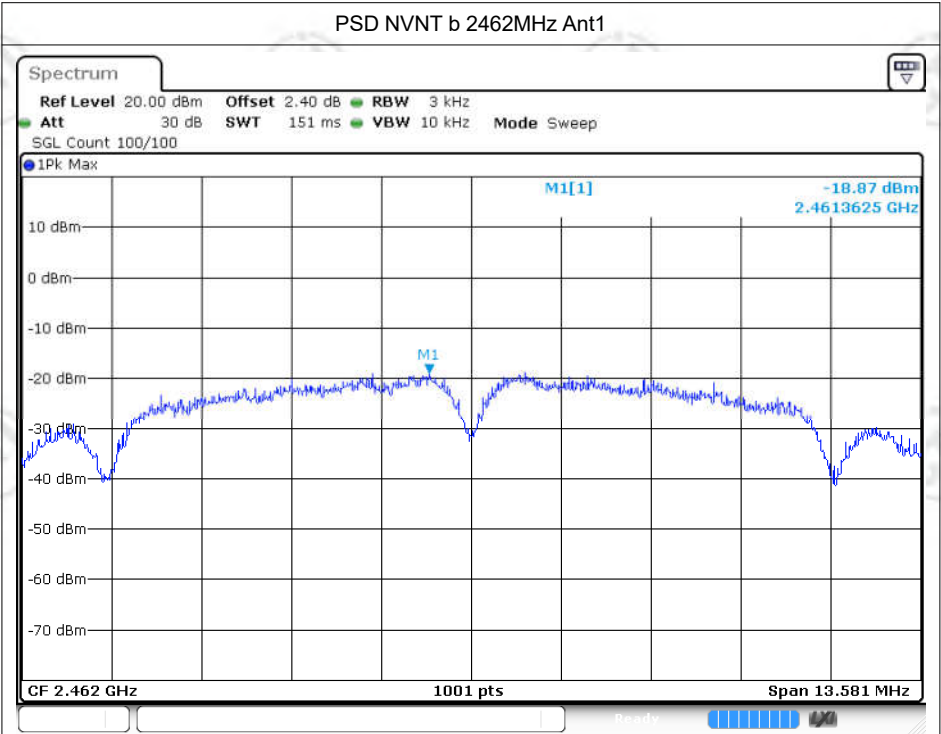
Note: The Conducted PSD (dBm/3kHz) has been added Duty Cycle Correction Factor (dB);

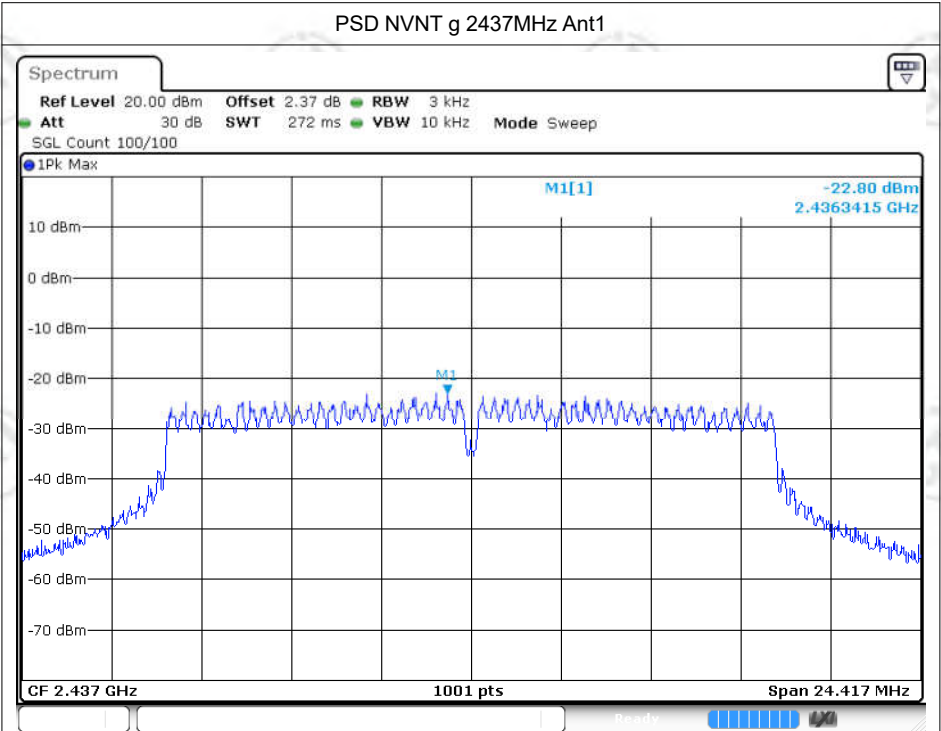


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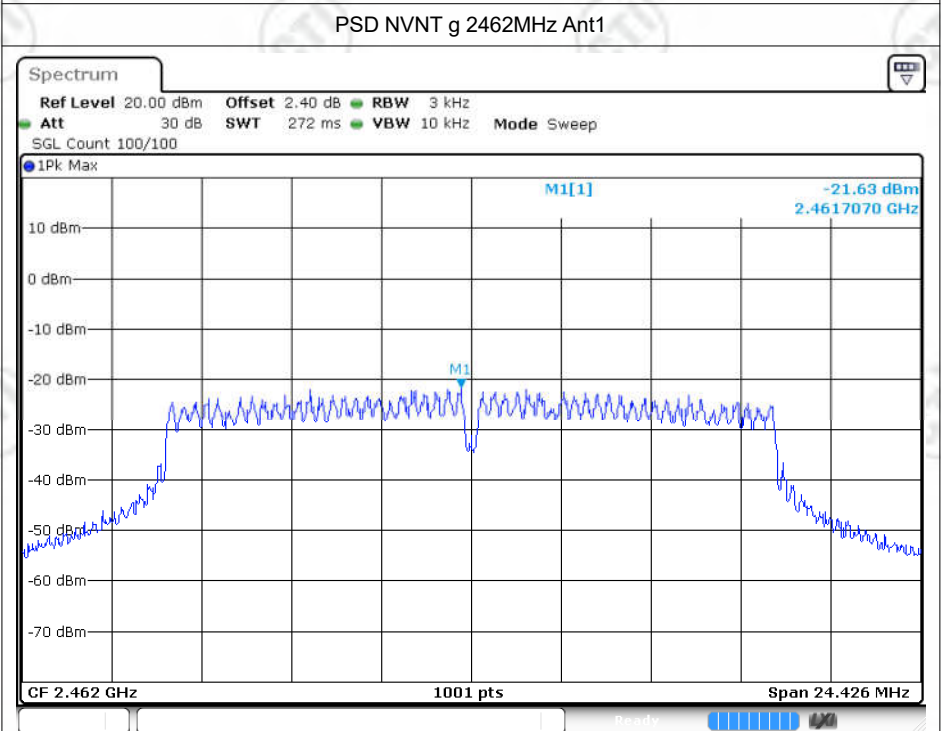


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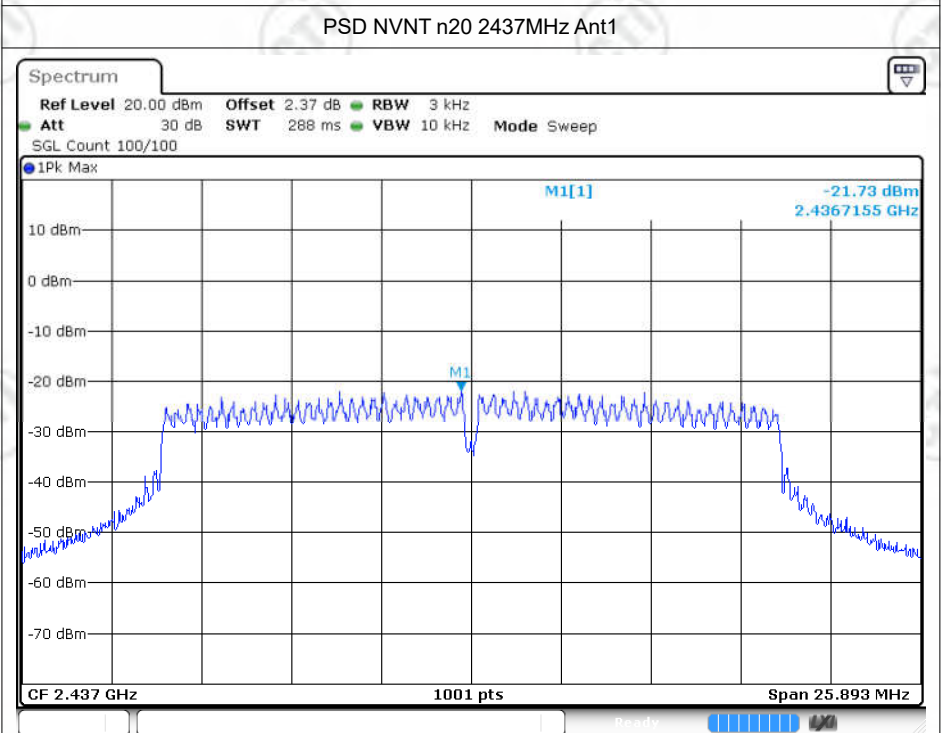
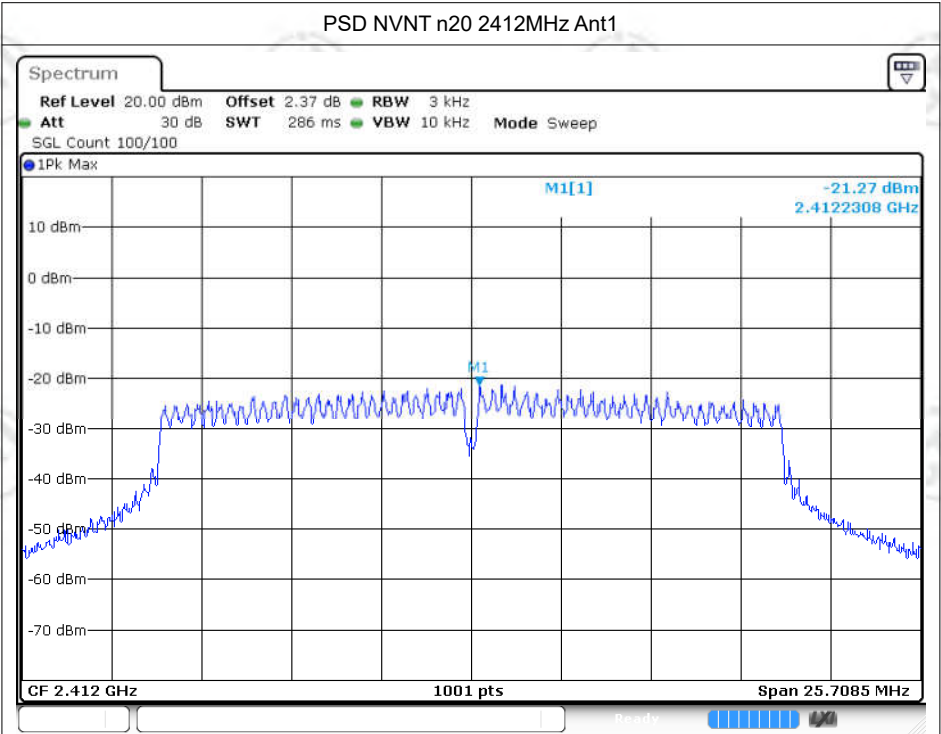


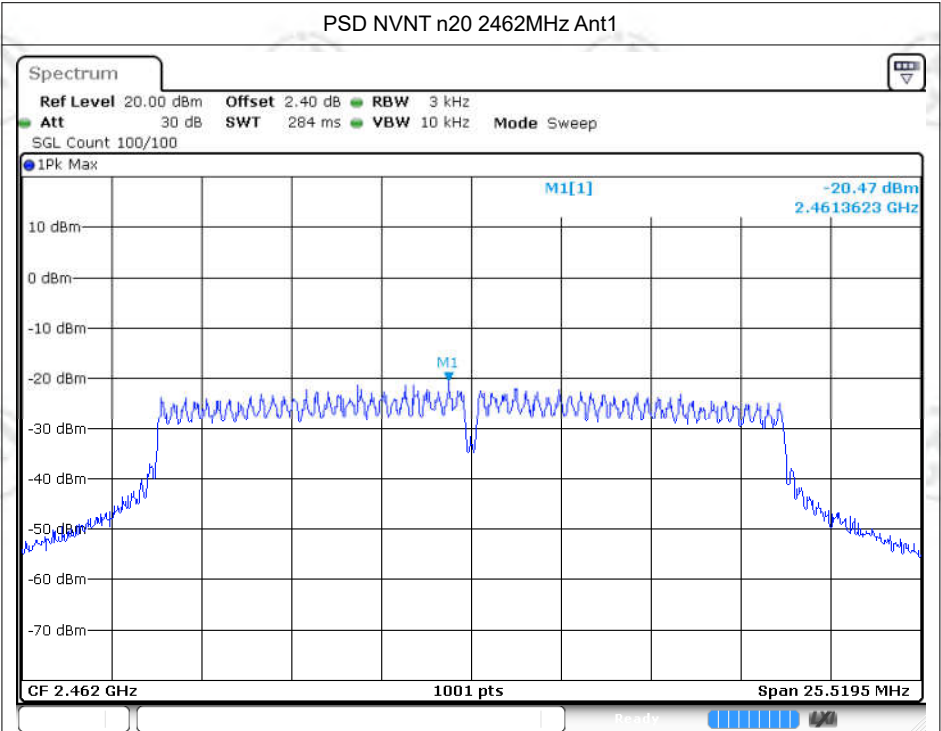


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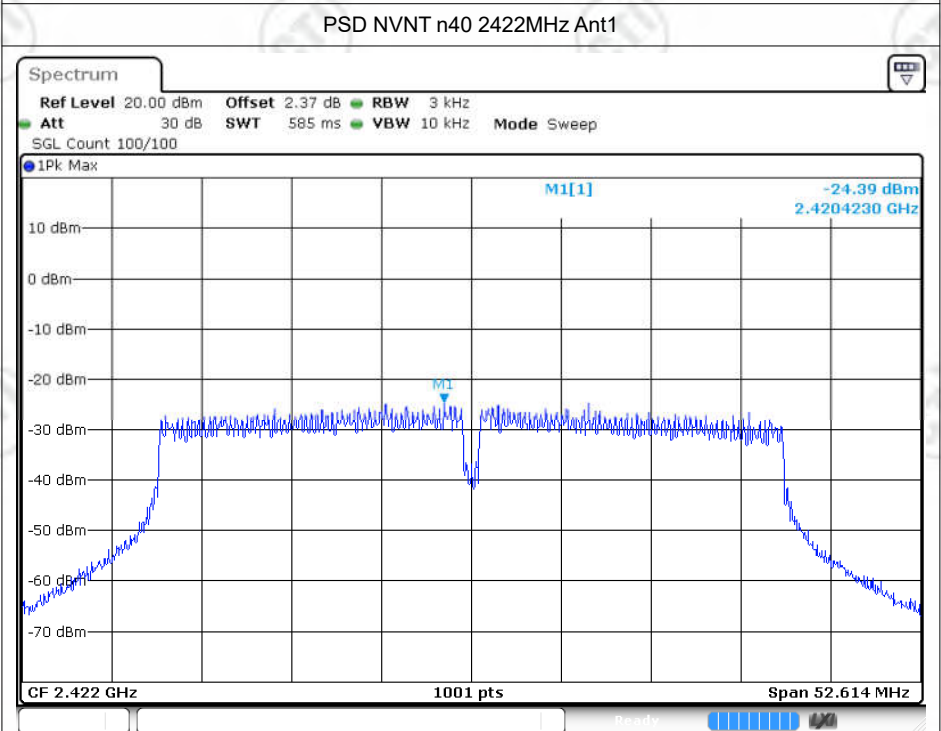


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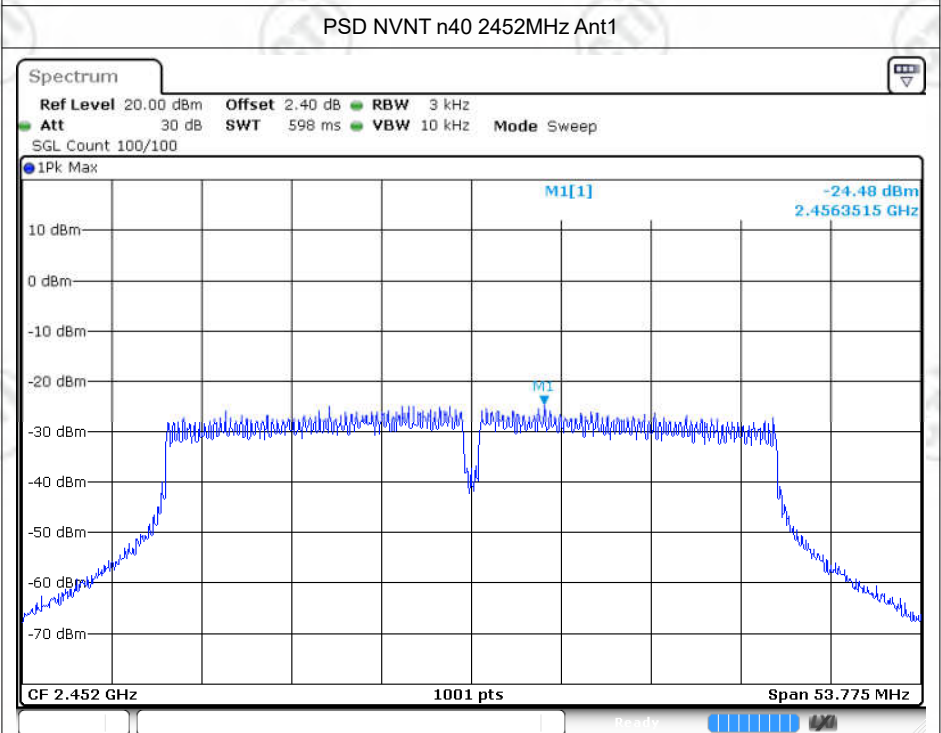
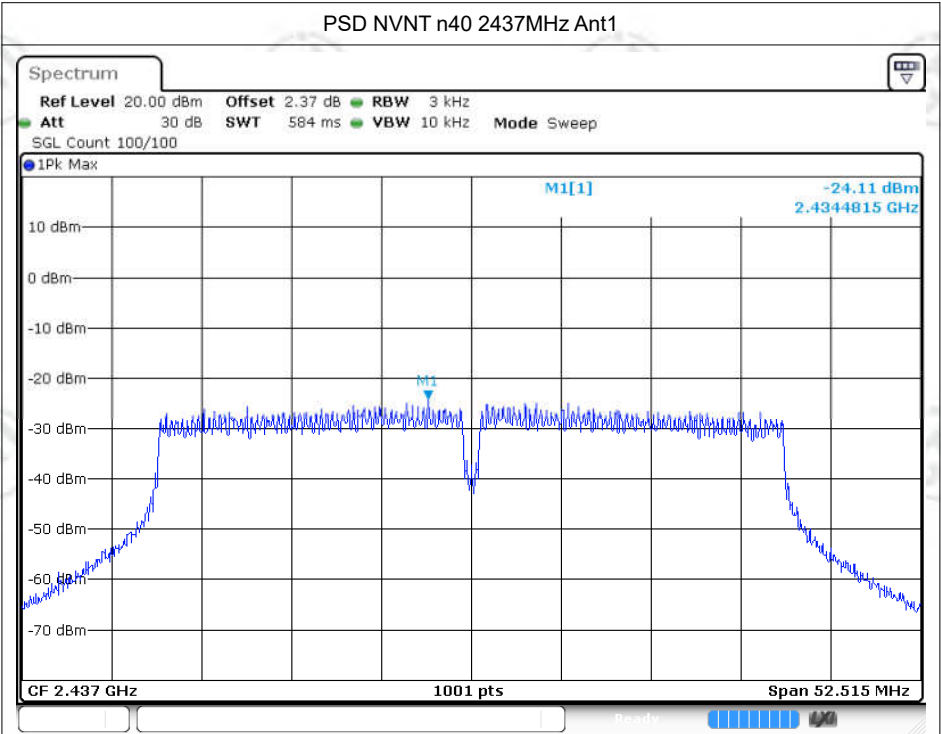


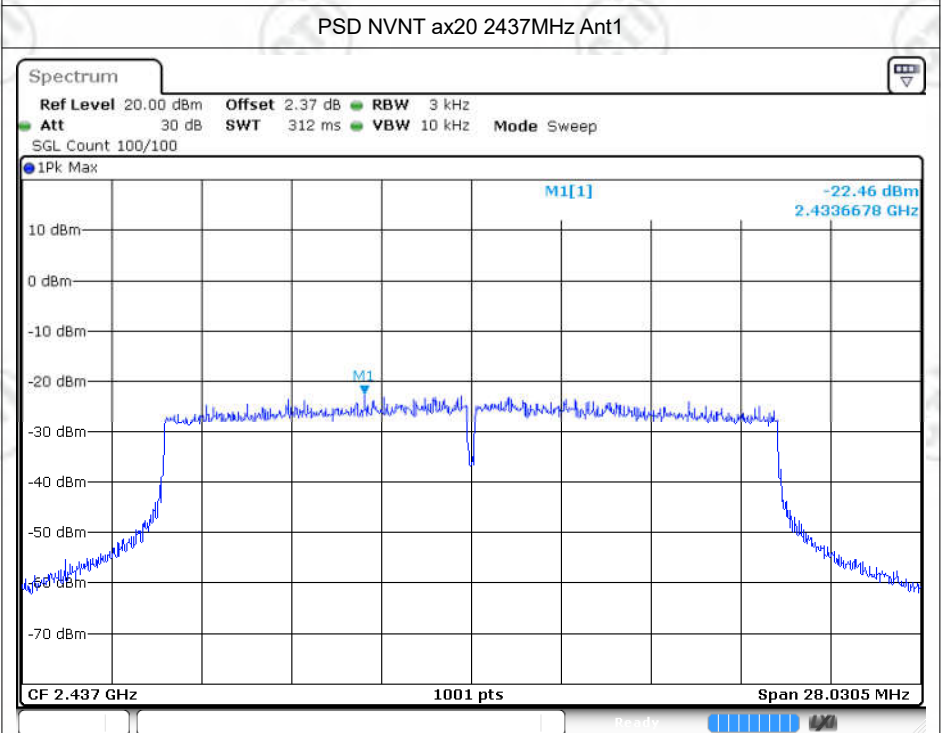
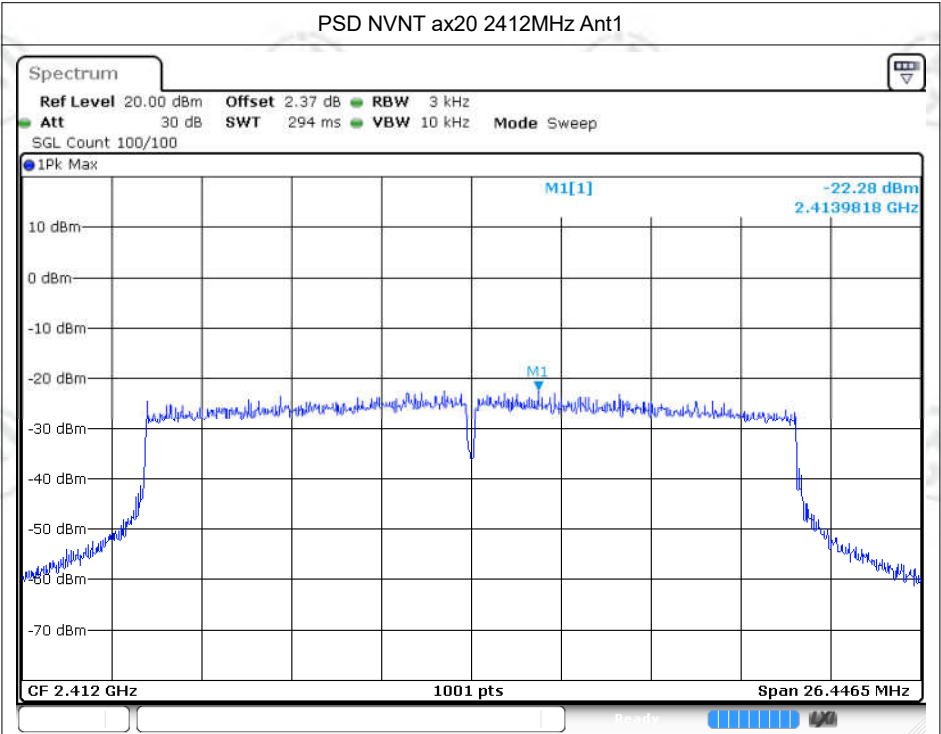


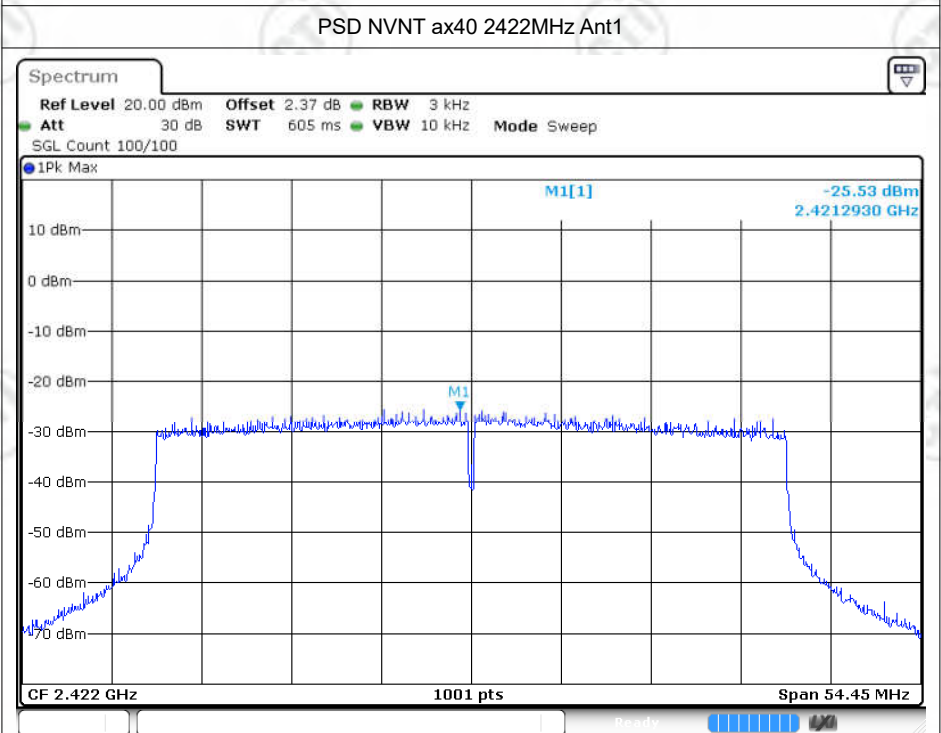
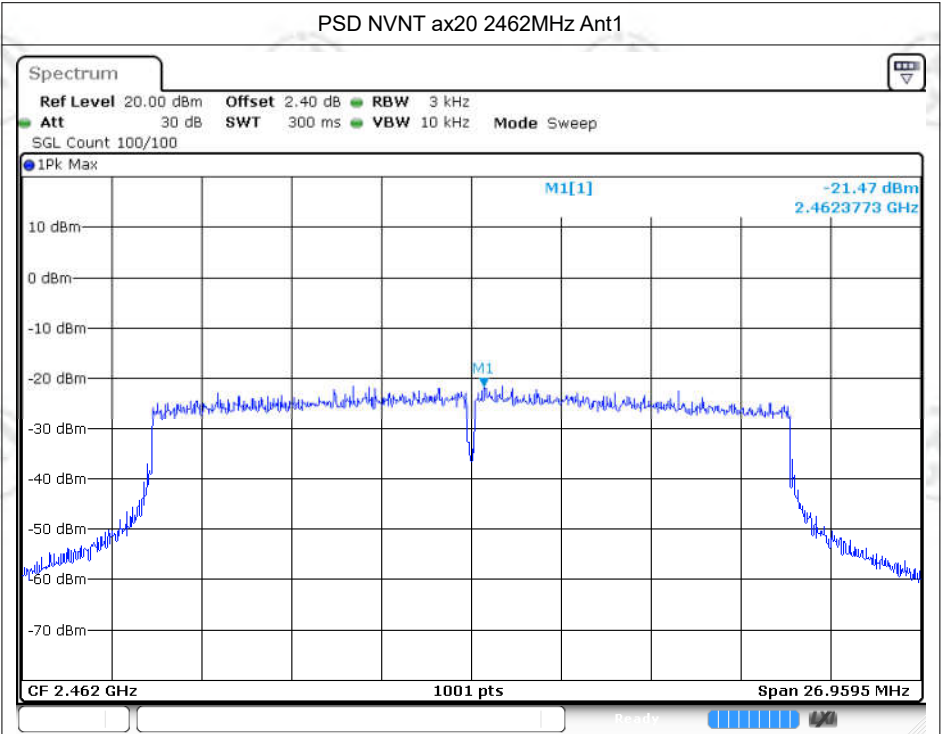
Date: 8.DEC.2024 12:28:05

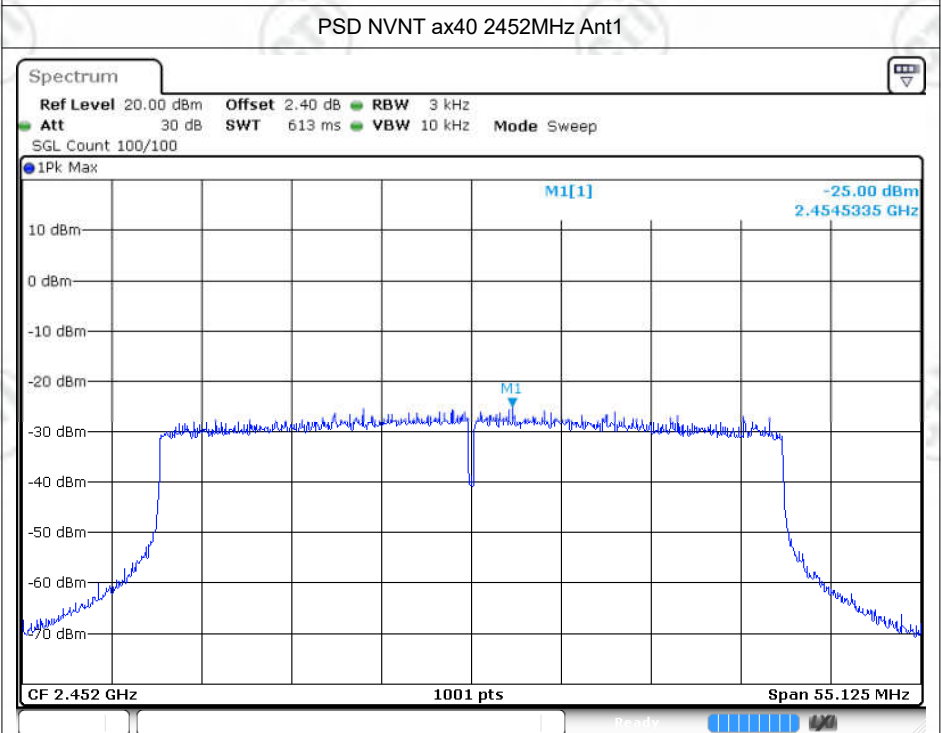
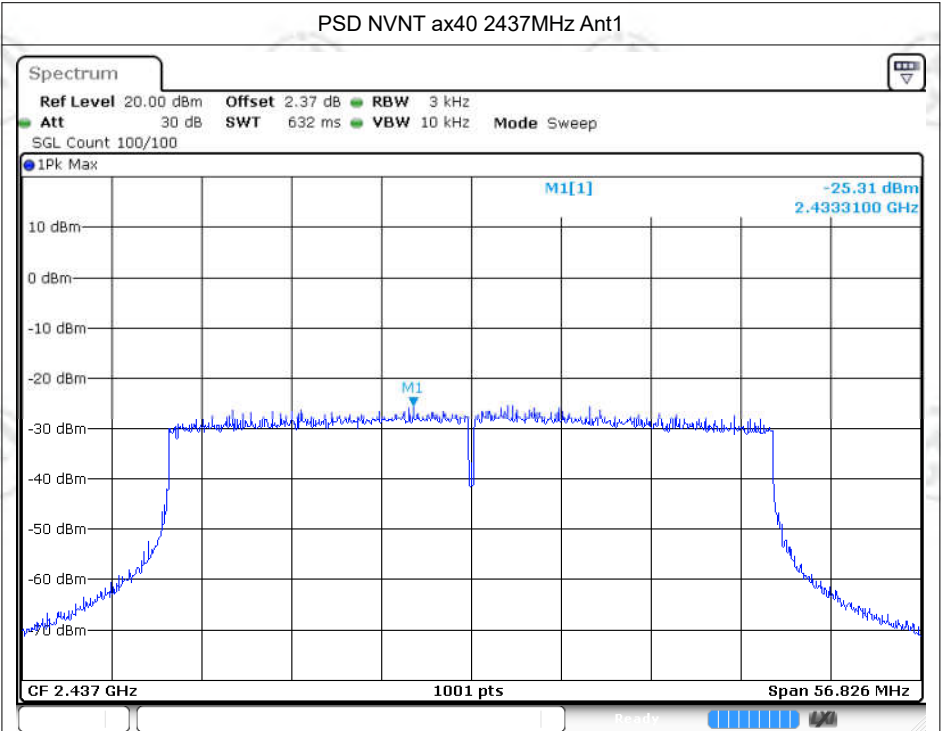


Date: 8.DEC.2024 12:32:24



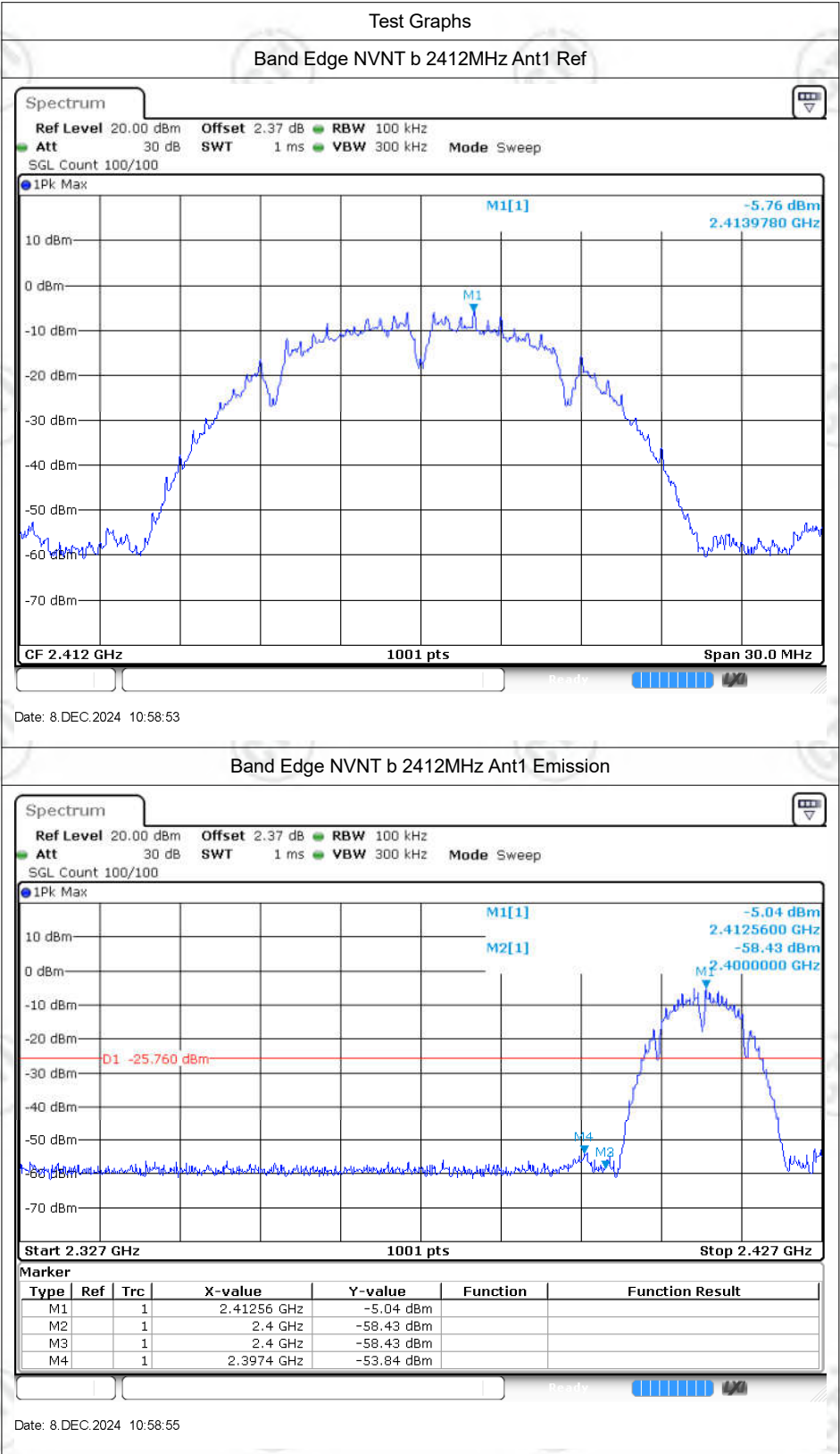


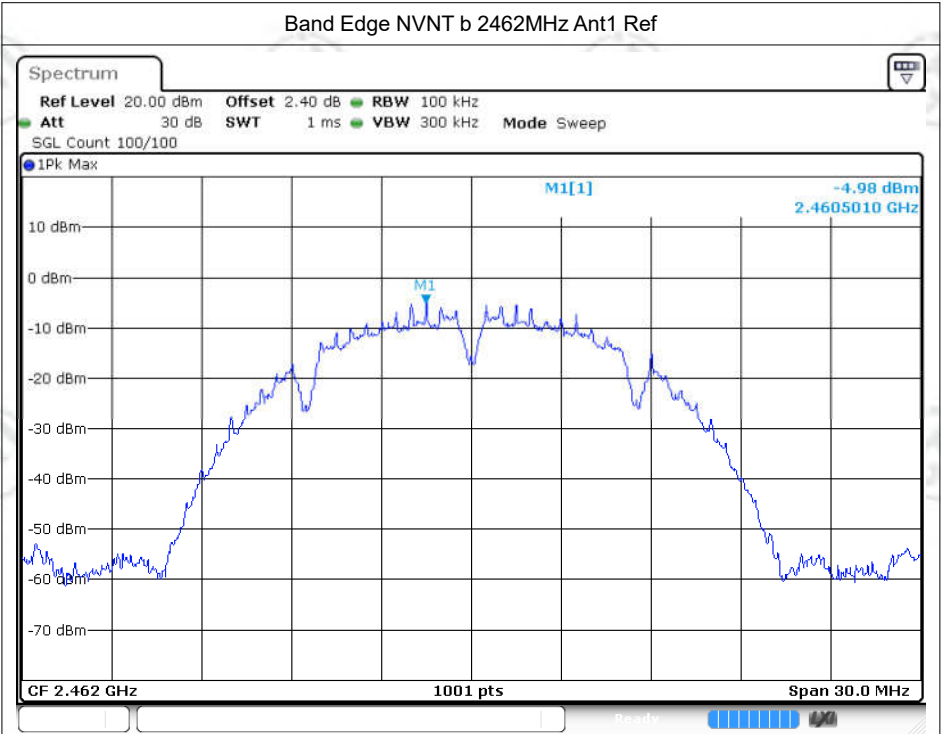




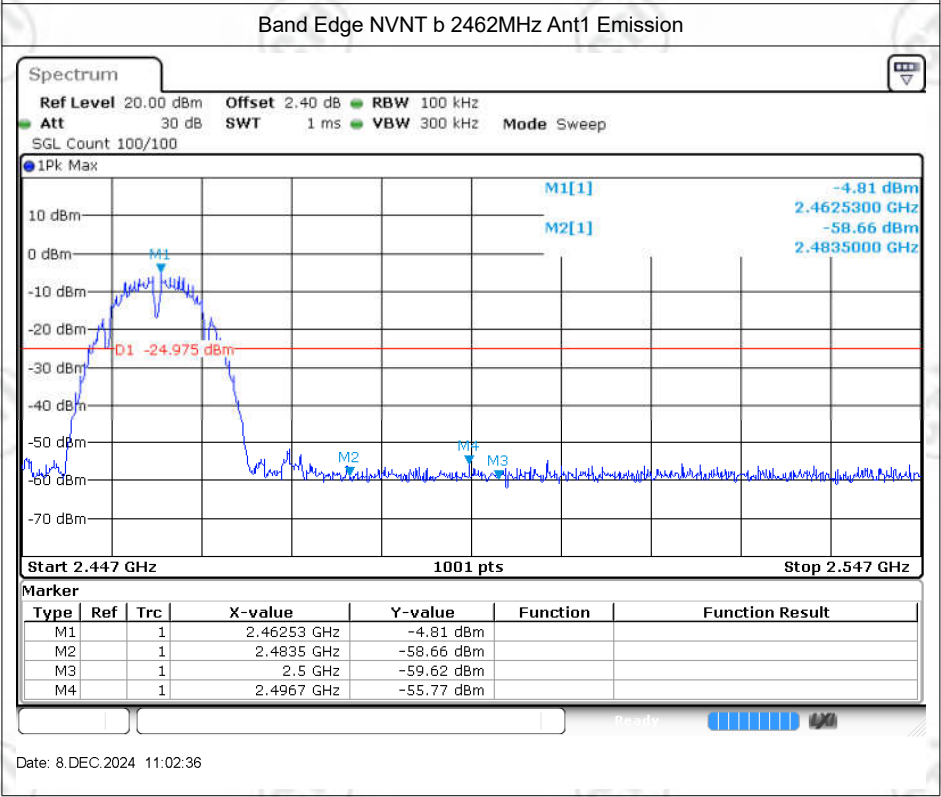
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.08	-20	Pass
NVNT	b	2462	Ant1	-50.78	-20	Pass
NVNT	g	2412	Ant1	-30.56	-20	Pass
NVNT	g	2462	Ant1	-44.66	-20	Pass
NVNT	n20	2412	Ant1	-28.51	-20	Pass
NVNT	n20	2462	Ant1	-44.7	-20	Pass
NVNT	n40	2422	Ant1	-33.17	-20	Pass
NVNT	n40	2452	Ant1	-43.67	-20	Pass
NVNT	ax20	2412	Ant1	-29.06	-20	Pass
NVNT	ax20	2462	Ant1	-46.18	-20	Pass
NVNT	ax40	2422	Ant1	-33.68	-20	Pass
NVNT	ax40	2452	Ant1	-43.7	-20	Pass

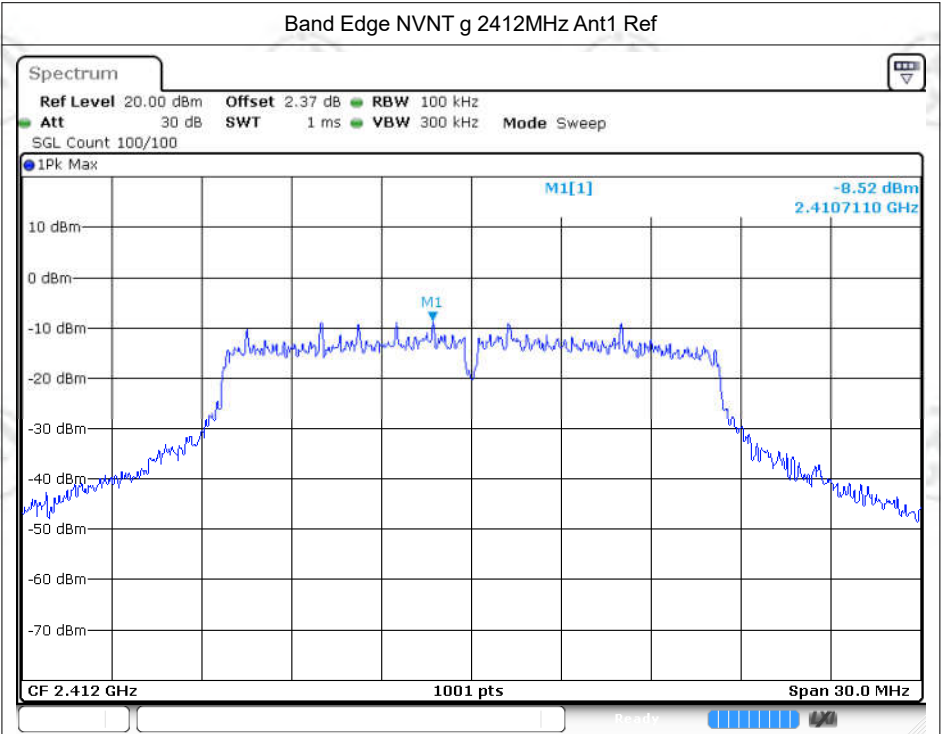




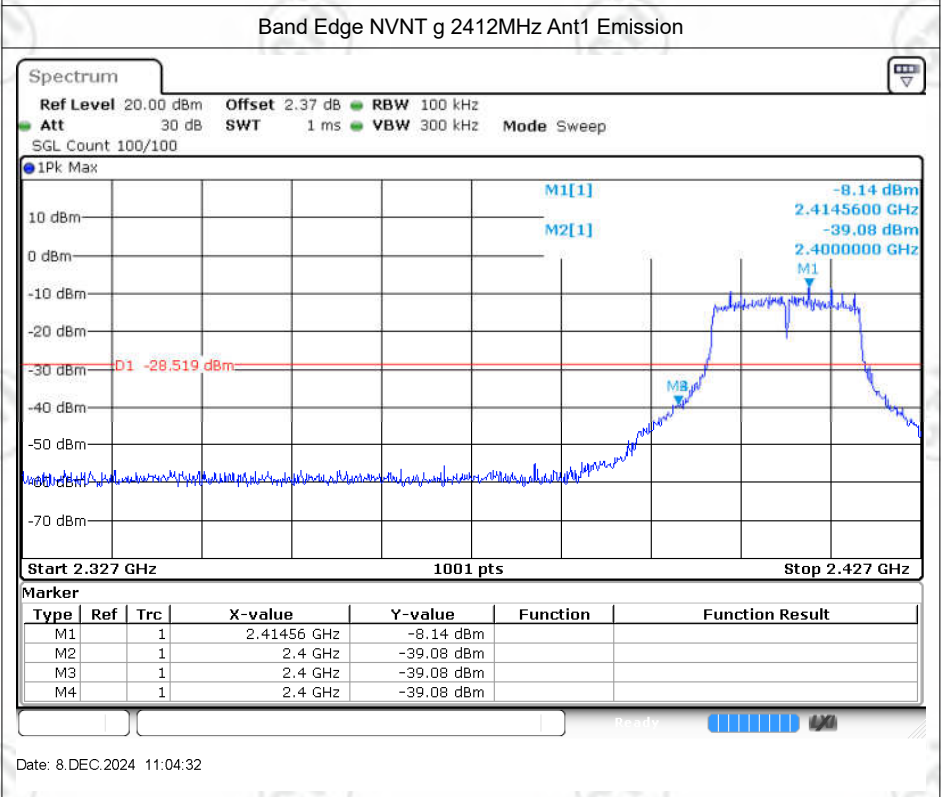
Date: 8 DEC 2024 11:02:34



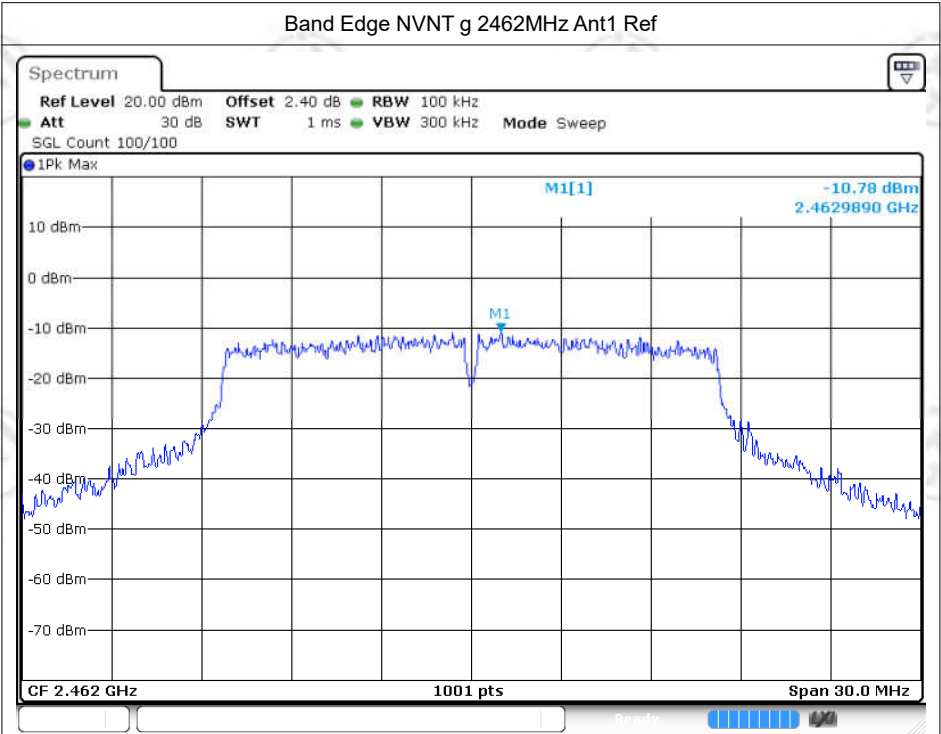
Date: 8 DEC 2024 11:02:36



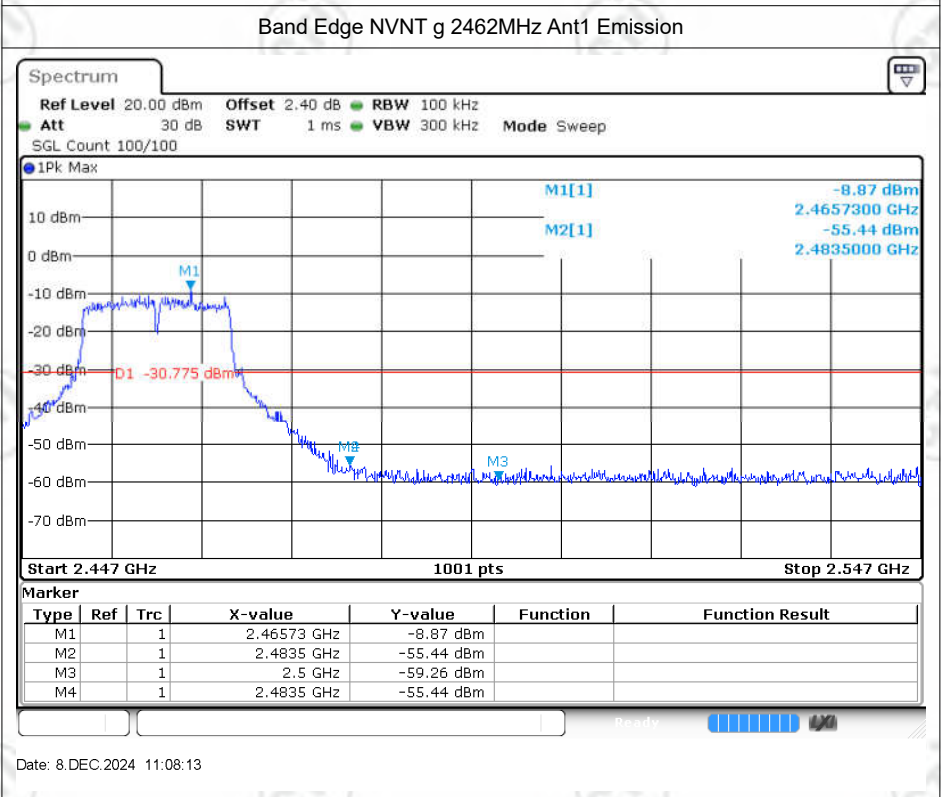
Date: 8.DEC.2024 11:04:31



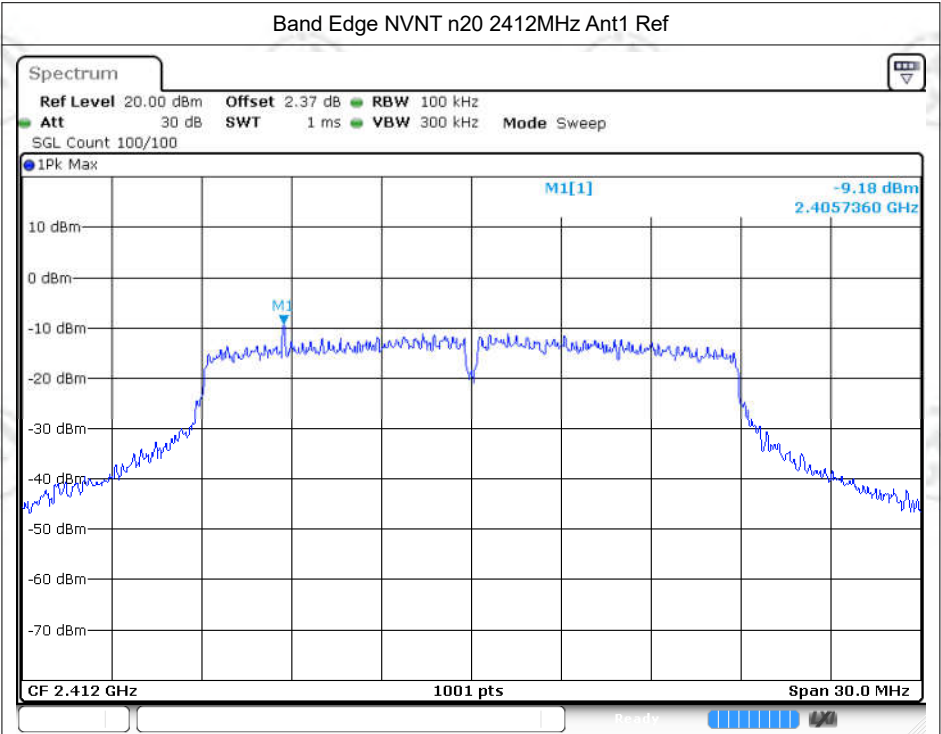
Date: 8.DEC.2024 11:04:32



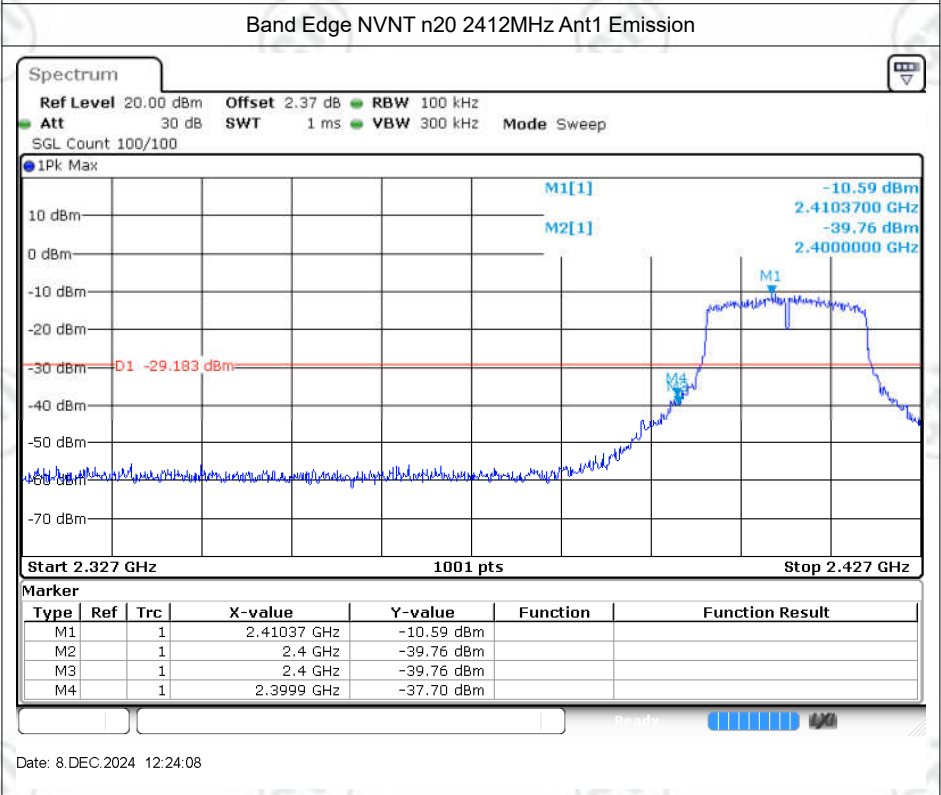
Date: 8.DEC.2024 11:08:12



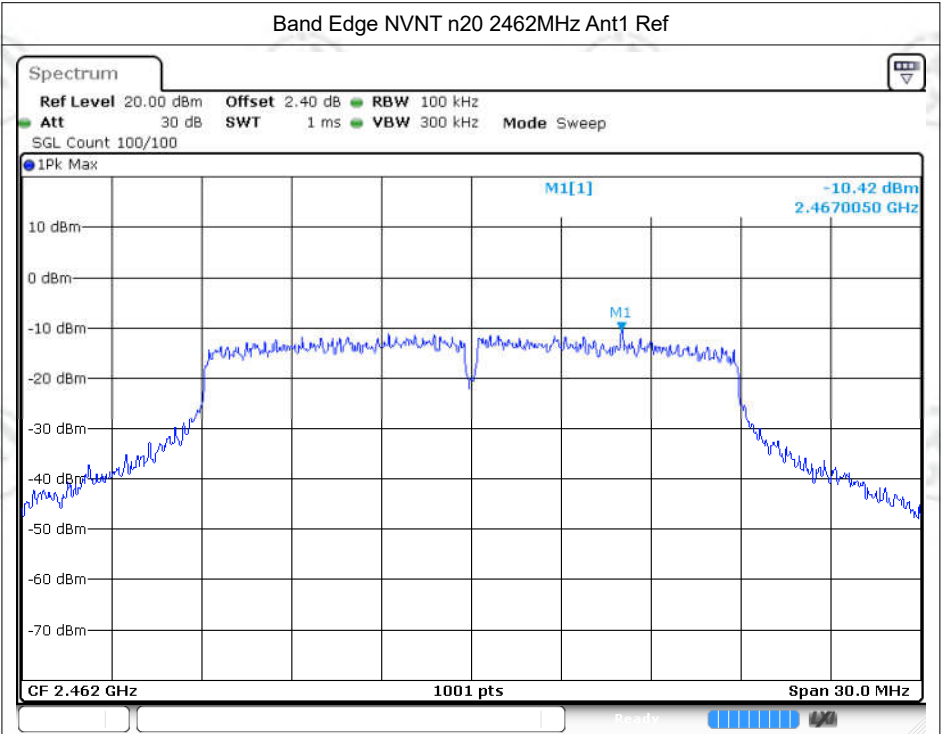
Date: 8.DEC.2024 11:08:13



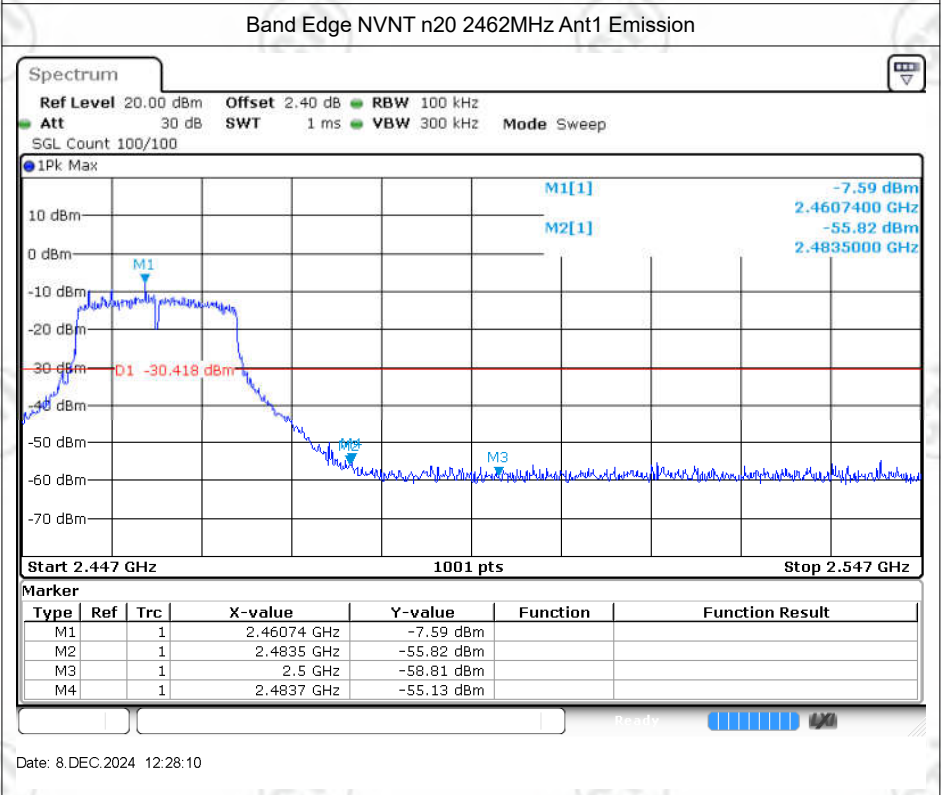
Date: 8.DEC.2024 12:24:06



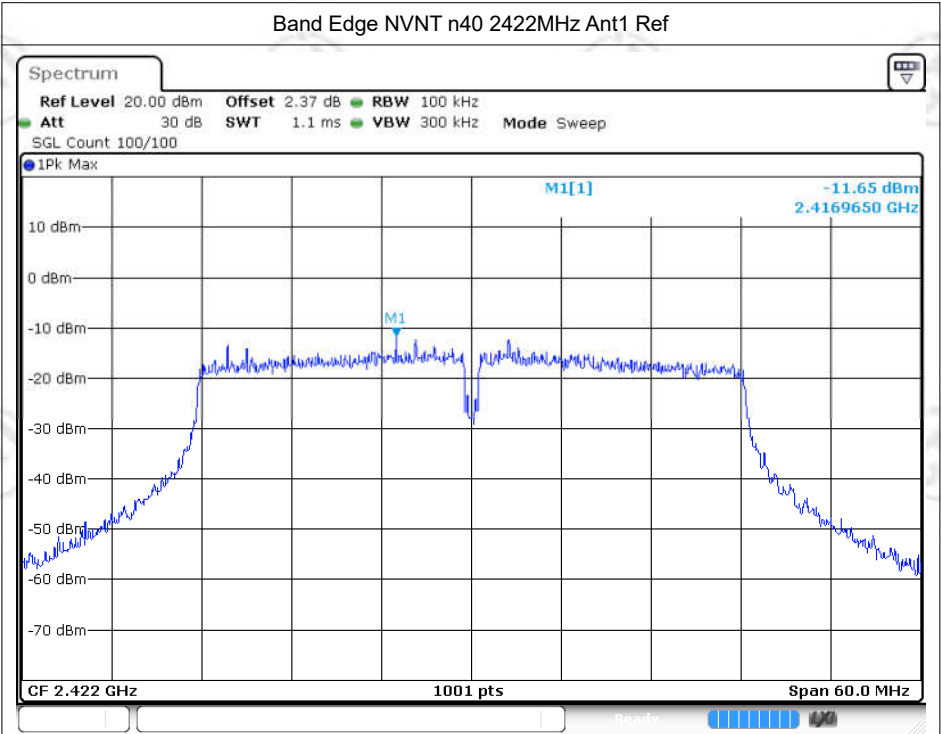
Date: 8.DEC.2024 12:24:08



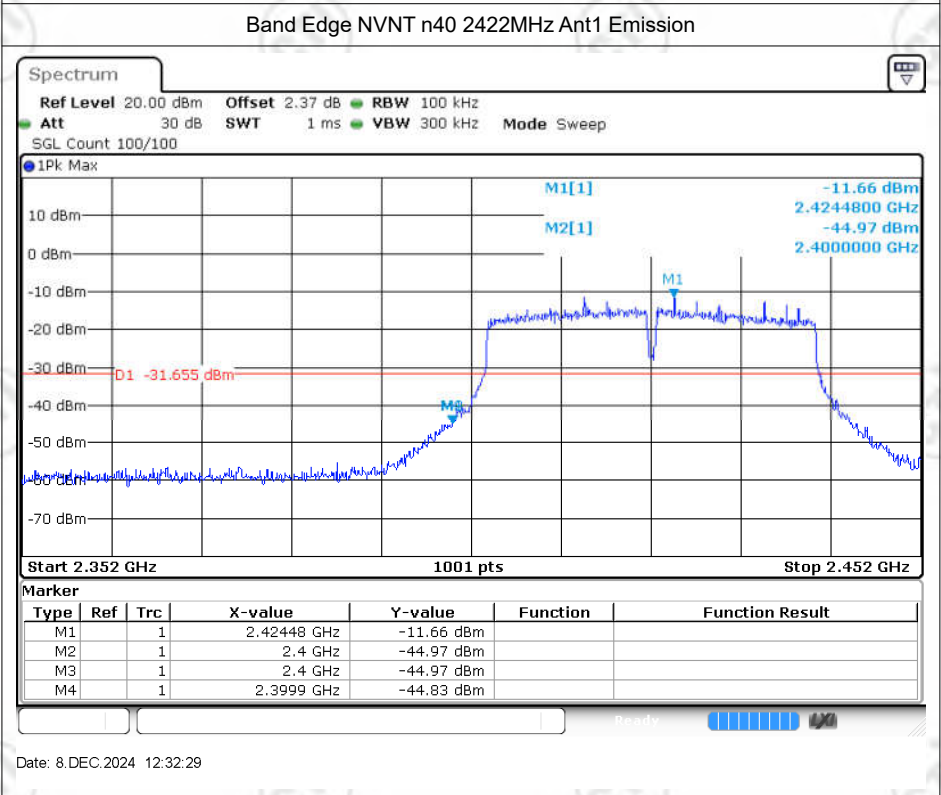
Date: 8.DEC.2024 12:28:09



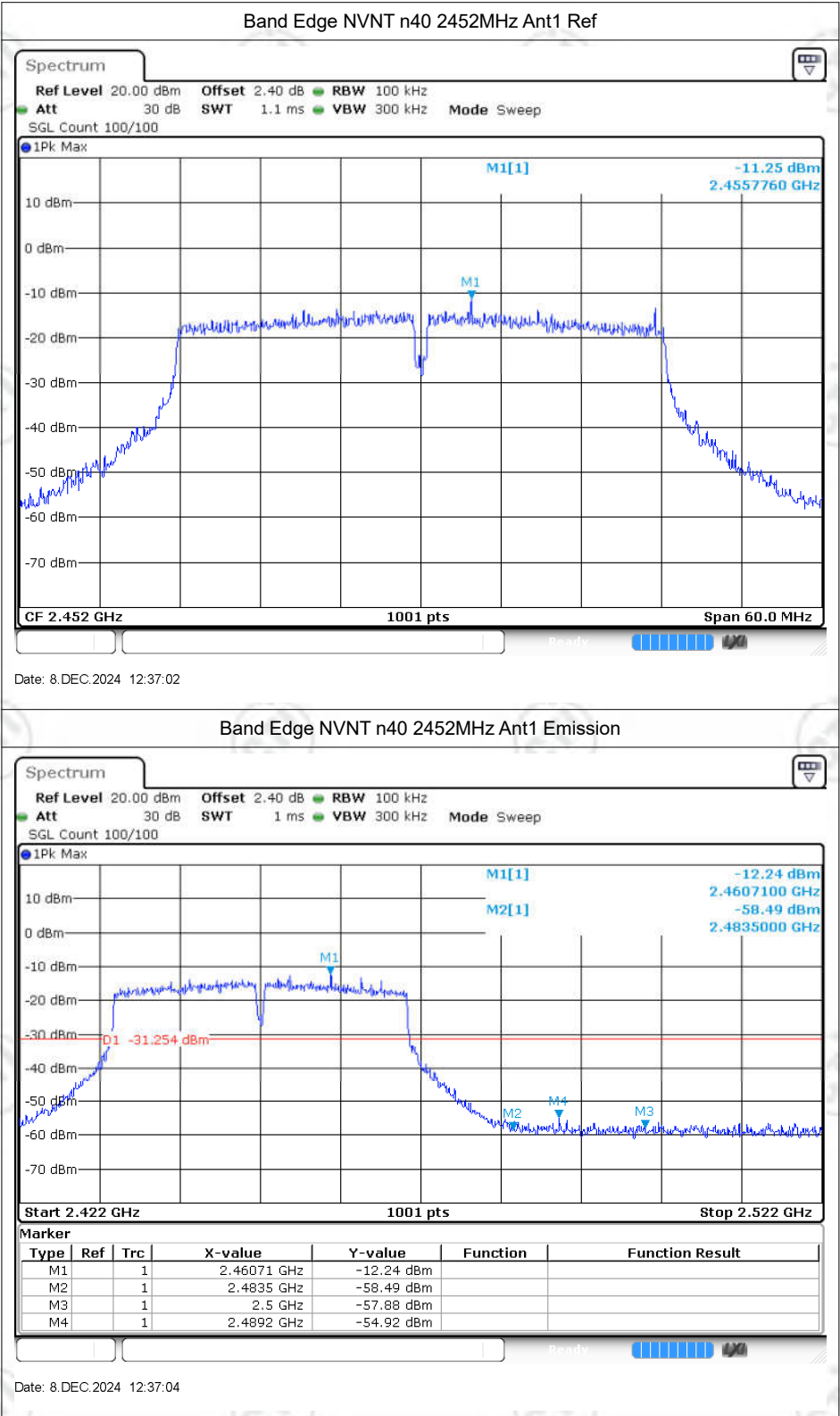
Date: 8.DEC.2024 12:28:10

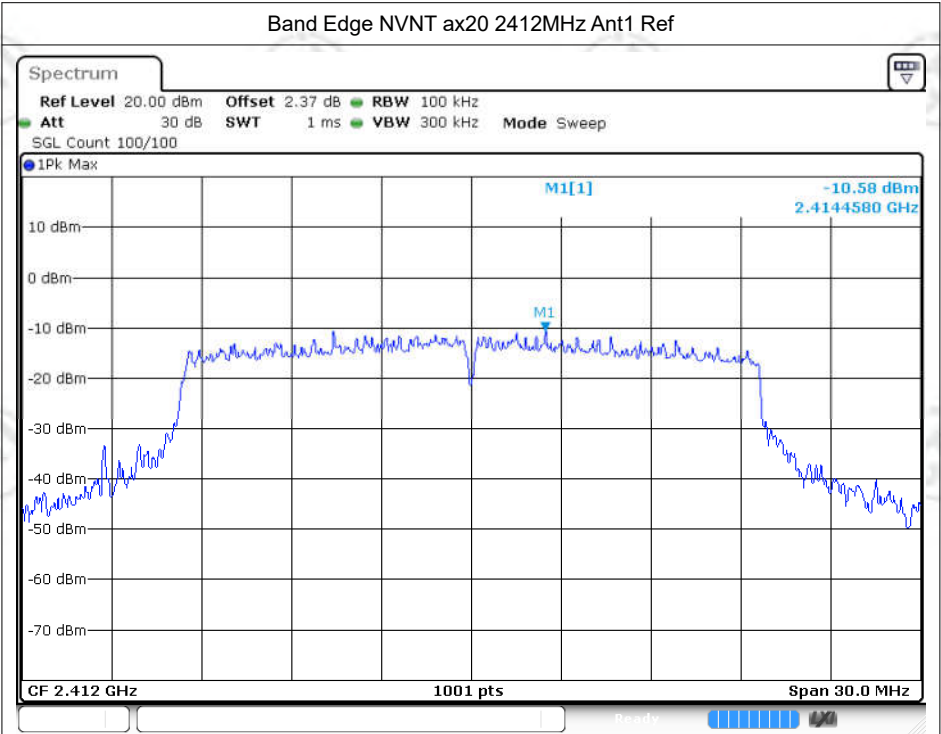


Date: 8 DEC 2024 12:32:27

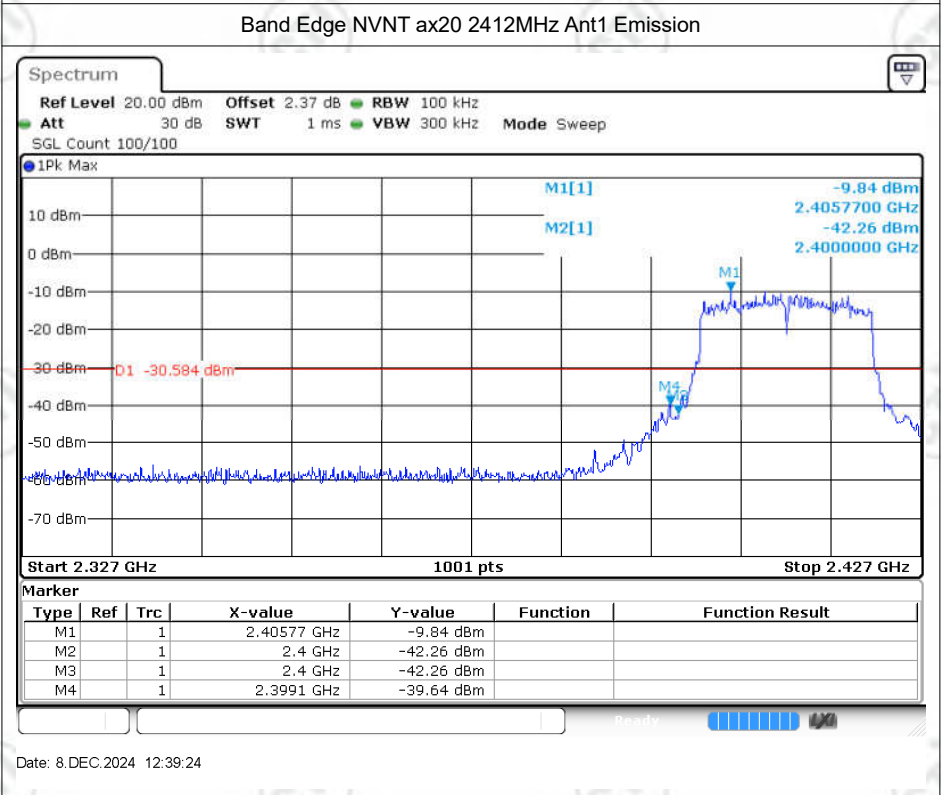


Date: 8 DEC 2024 12:32:29

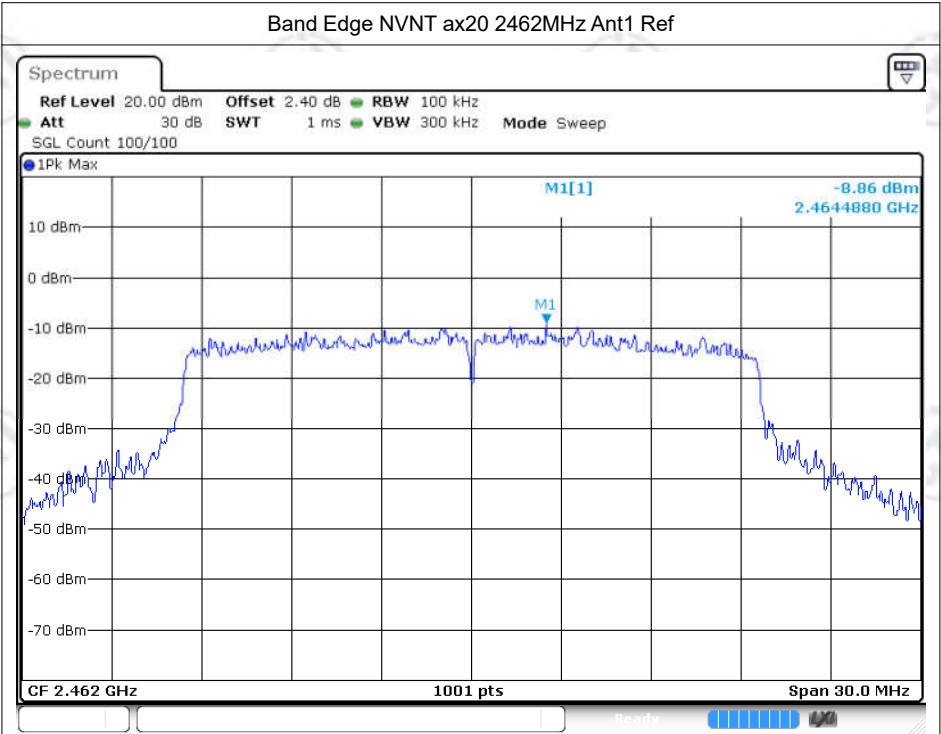




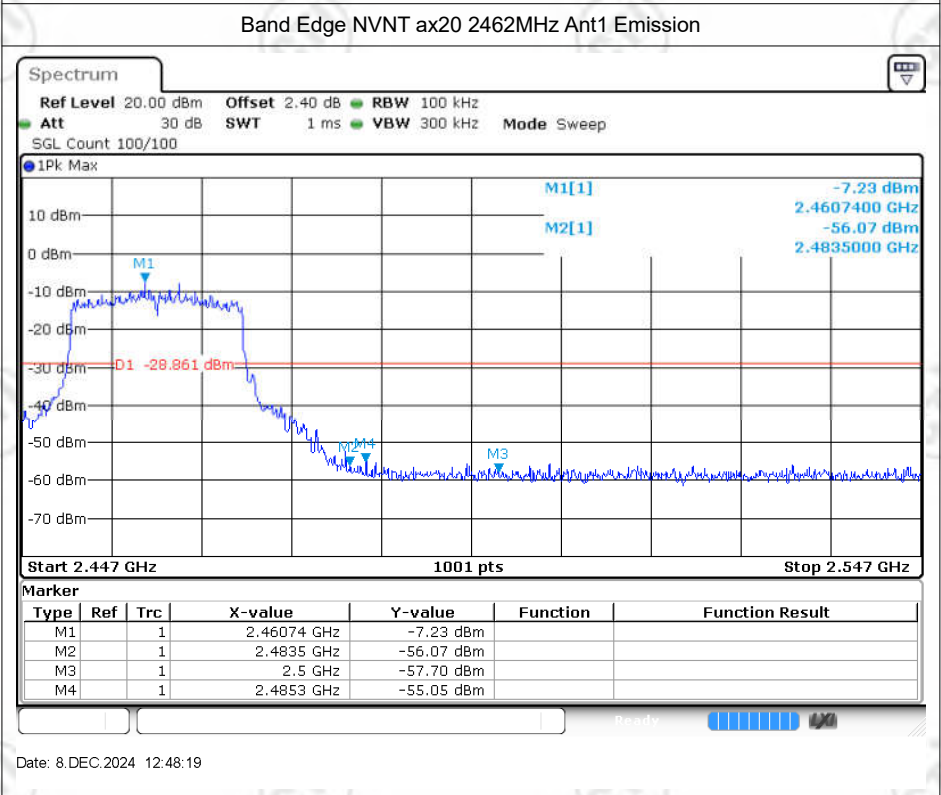
Date: 8 DEC 2024 12:39:23



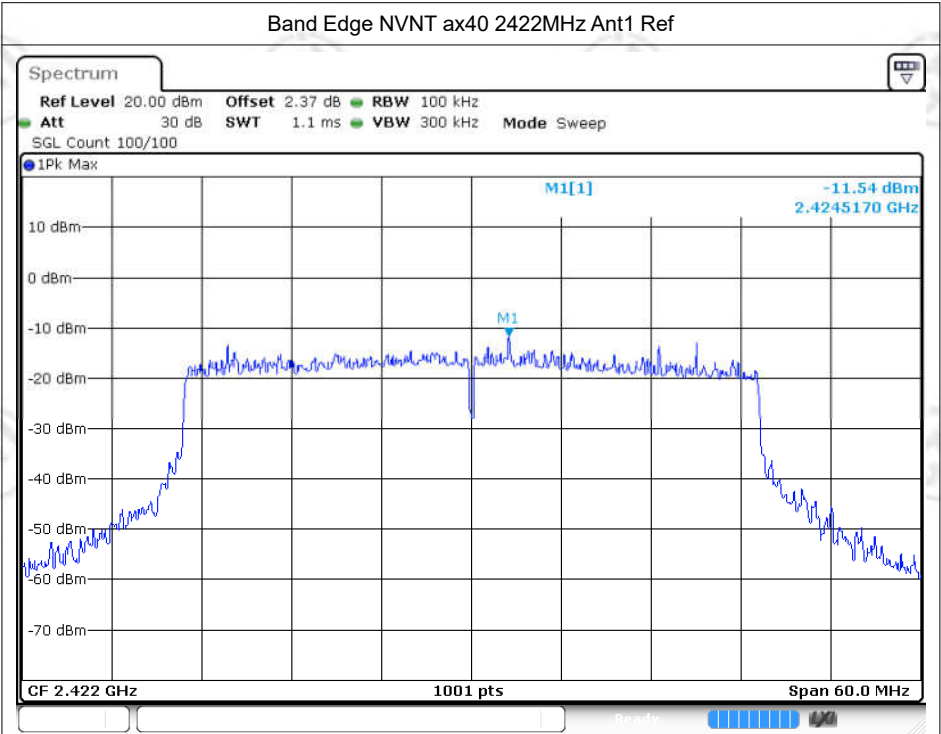
Date: 8 DEC 2024 12:39:24



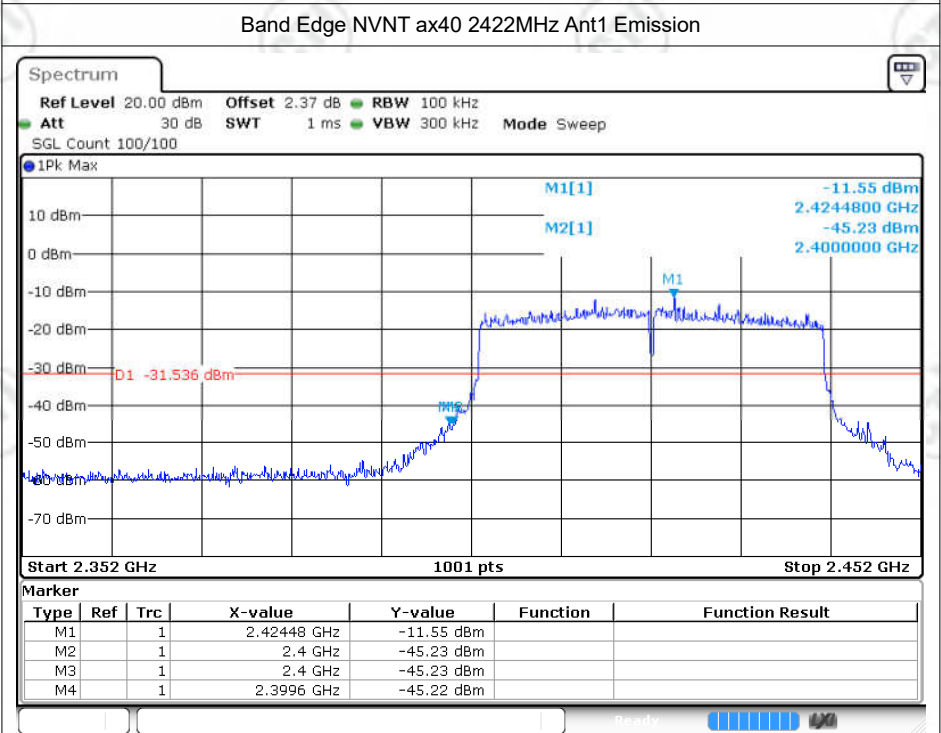
Date: 8.DEC.2024 12:48:17



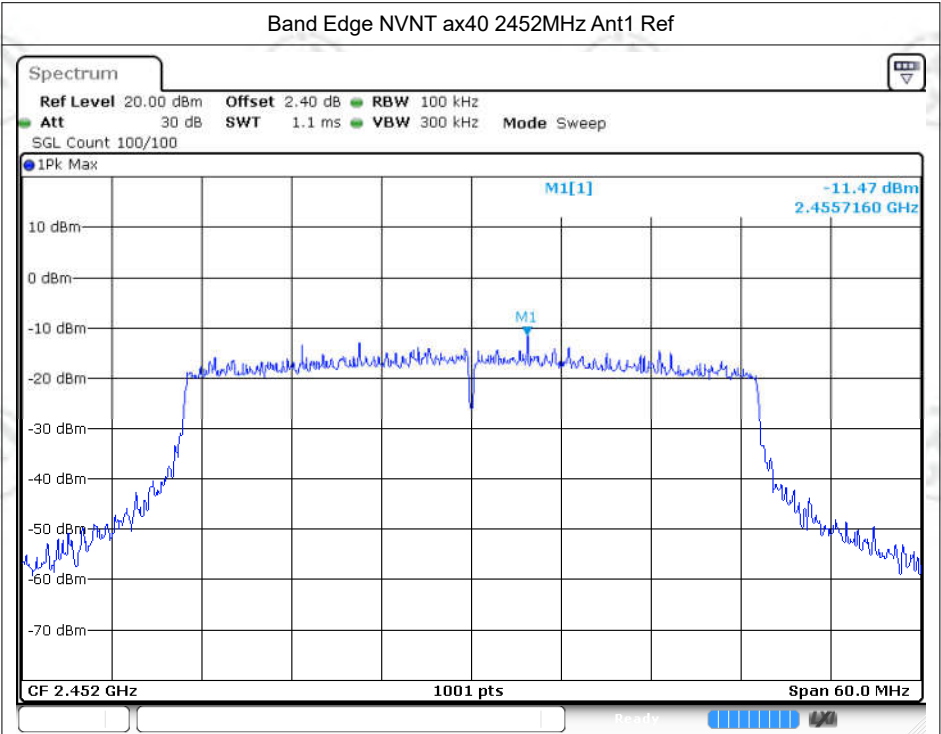
Date: 8.DEC.2024 12:48:19



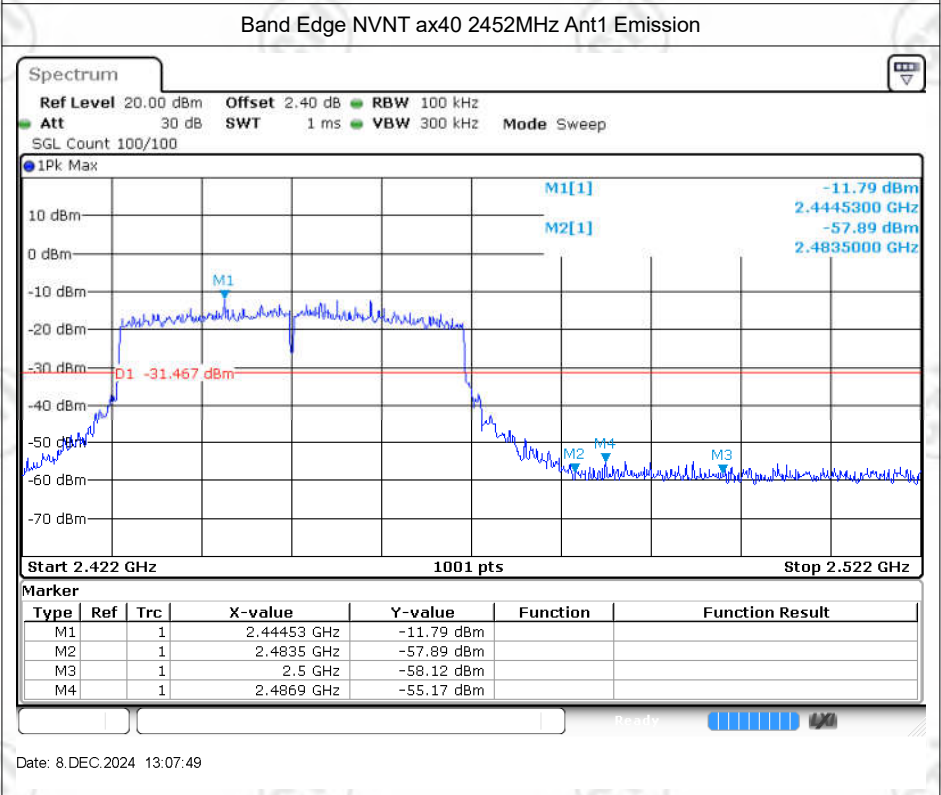
Date: 8 DEC 2024 12:52:25



Date: 8 DEC 2024 12:52:27



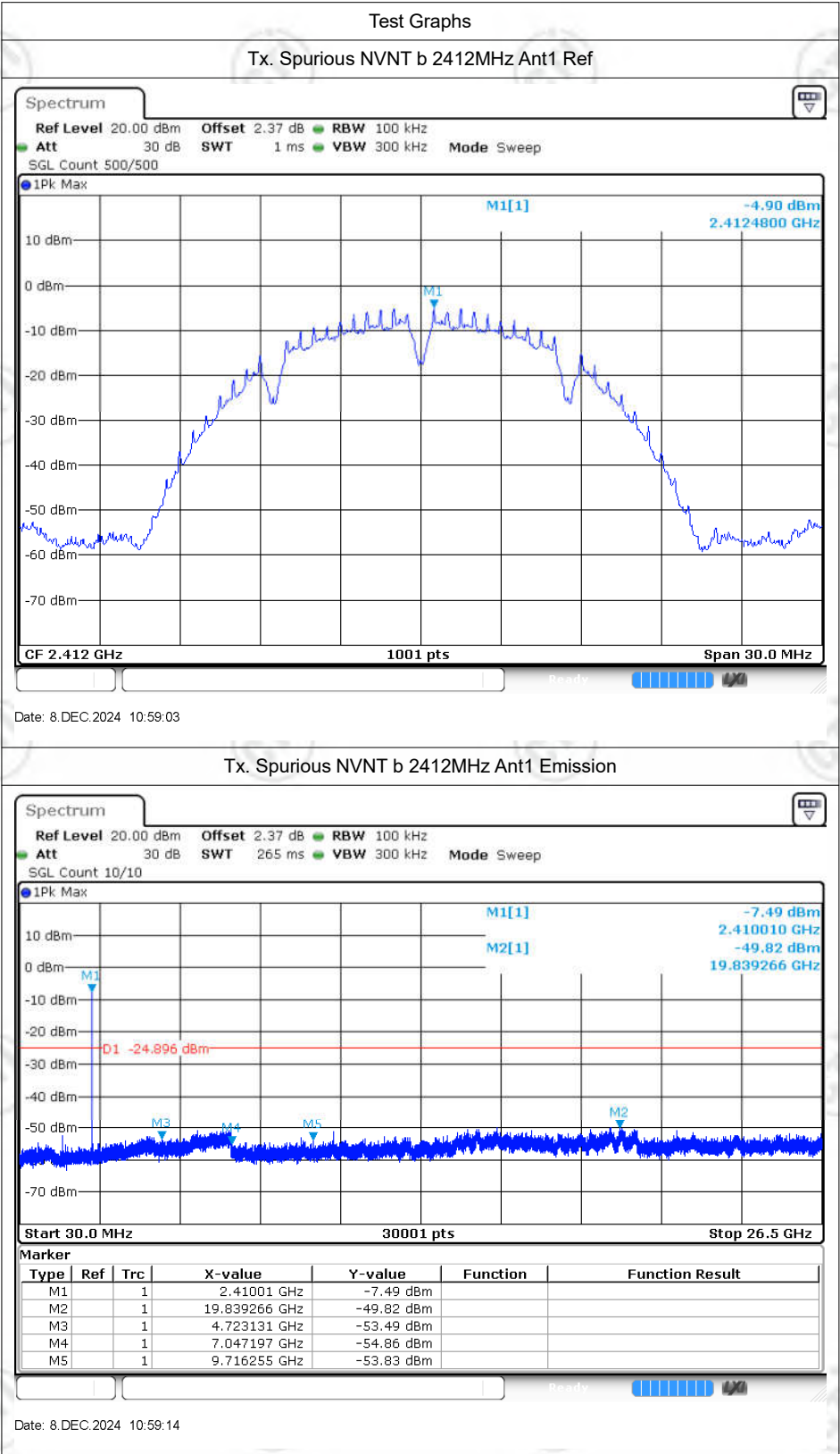
Date: 8.DEC.2024 13:07:47

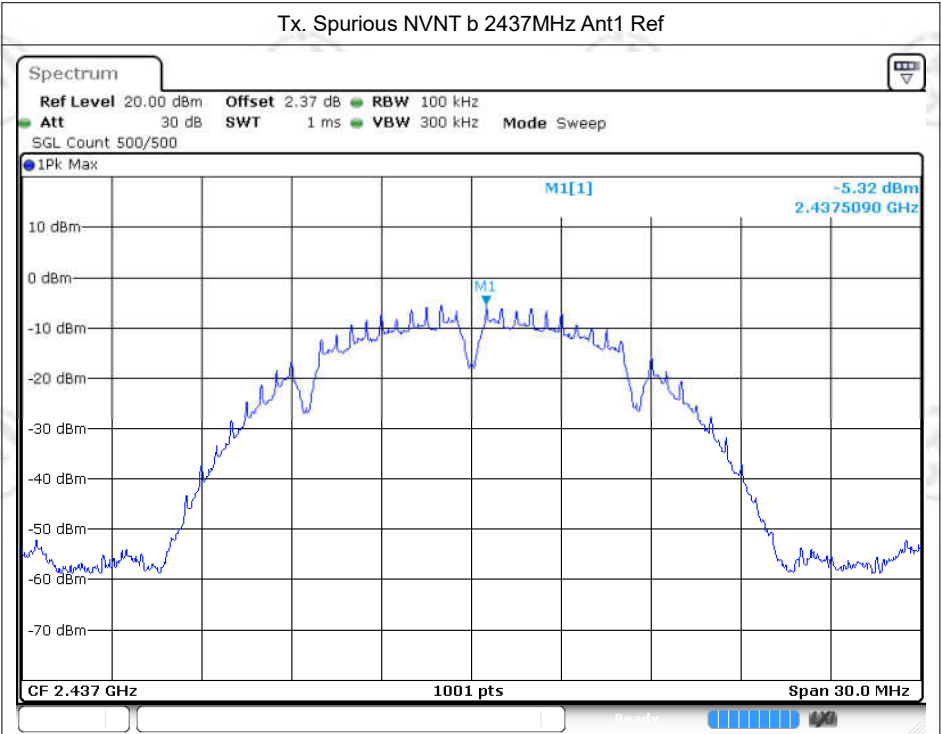


Date: 8.DEC.2024 13:07:49

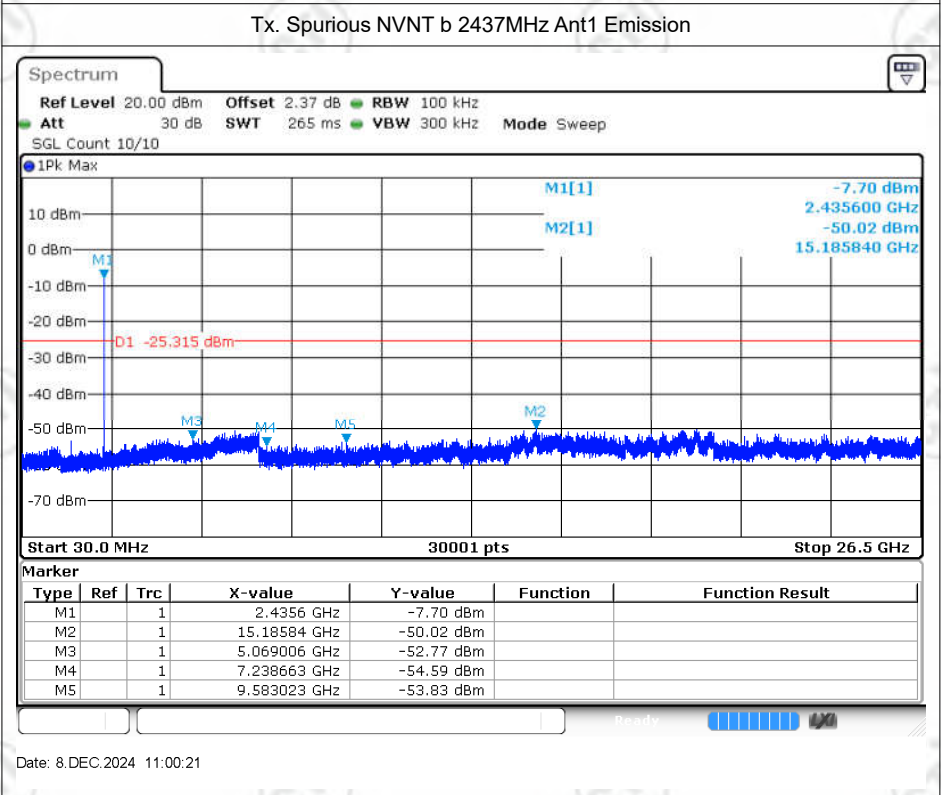
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.91	-20	Pass
NVNT	b	2437	Ant1	-44.7	-20	Pass
NVNT	b	2462	Ant1	-43.98	-20	Pass
NVNT	g	2412	Ant1	-41.22	-20	Pass
NVNT	g	2437	Ant1	-39.65	-20	Pass
NVNT	g	2462	Ant1	-40.82	-20	Pass
NVNT	n20	2412	Ant1	-41.41	-20	Pass
NVNT	n20	2437	Ant1	-40.45	-20	Pass
NVNT	n20	2462	Ant1	-40.62	-20	Pass
NVNT	n40	2422	Ant1	-38.11	-20	Pass
NVNT	n40	2437	Ant1	-37.81	-20	Pass
NVNT	n40	2452	Ant1	-38.28	-20	Pass
NVNT	ax20	2412	Ant1	-41.46	-20	Pass
NVNT	ax20	2437	Ant1	-41.32	-20	Pass
NVNT	ax20	2462	Ant1	-42.06	-20	Pass
NVNT	ax40	2422	Ant1	-38.03	-20	Pass
NVNT	ax40	2437	Ant1	-39.07	-20	Pass
NVNT	ax40	2452	Ant1	-38.14	-20	Pass

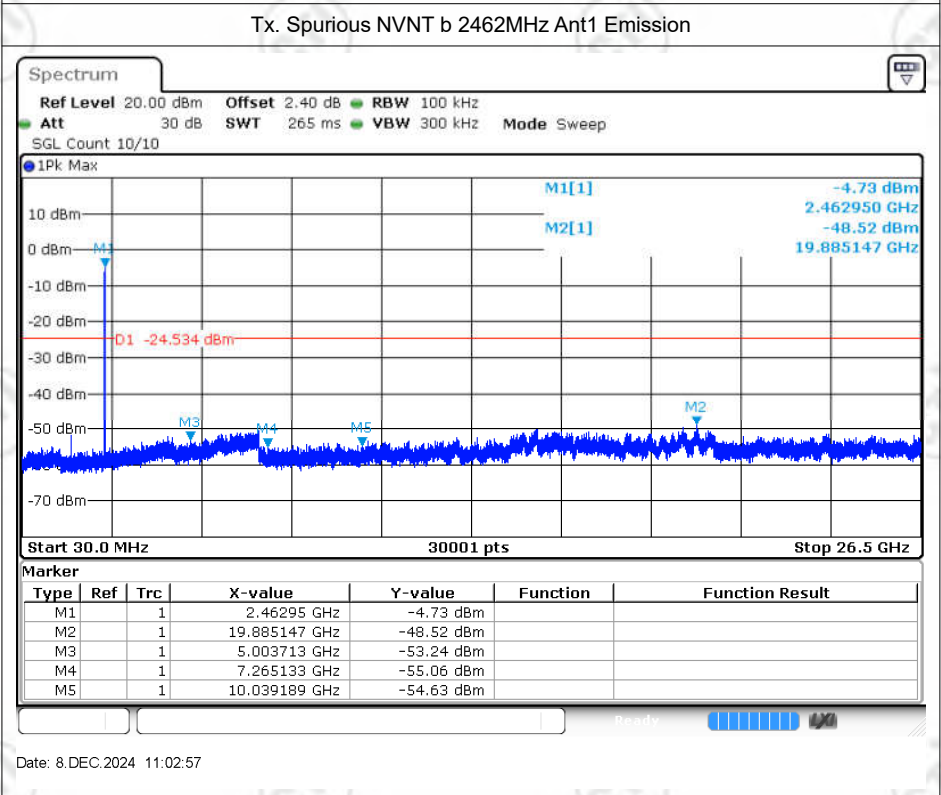
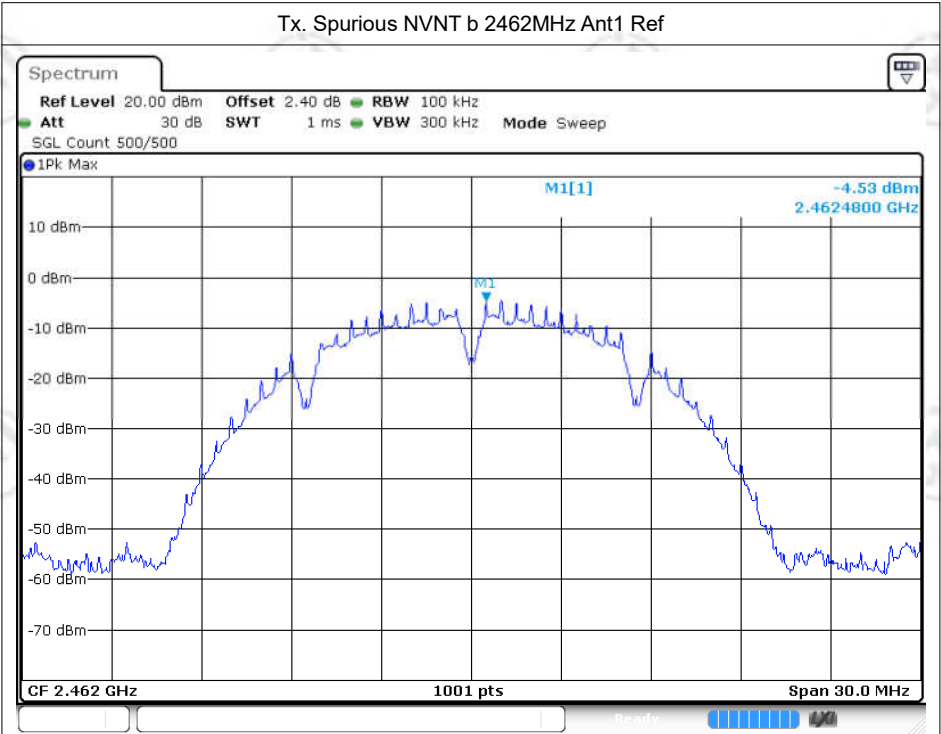


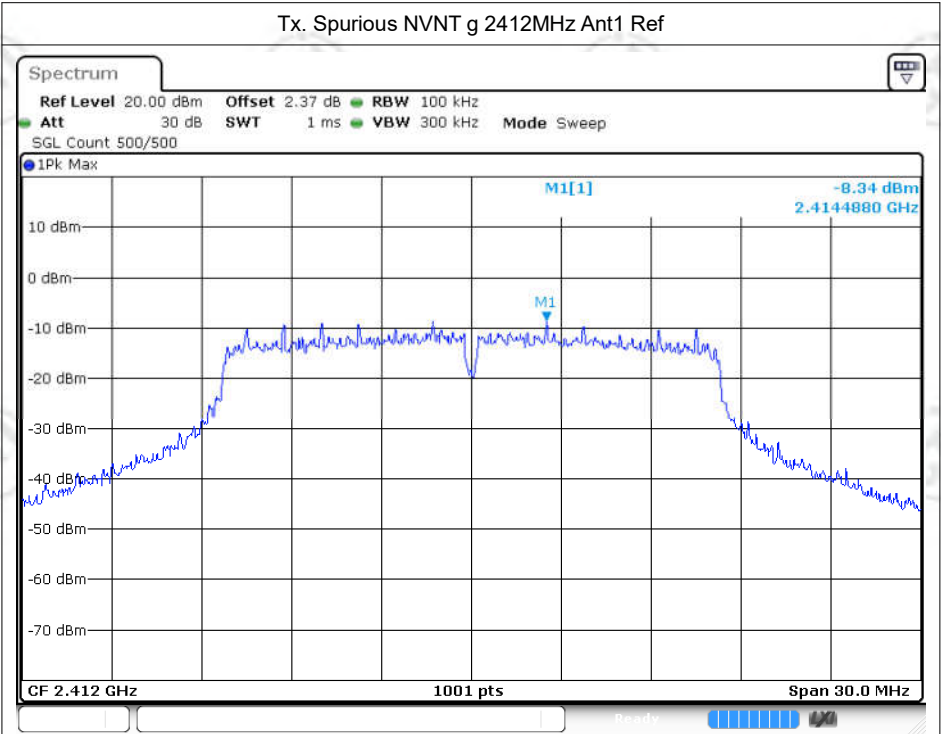


Date: 8 DEC.2024 11:00:10

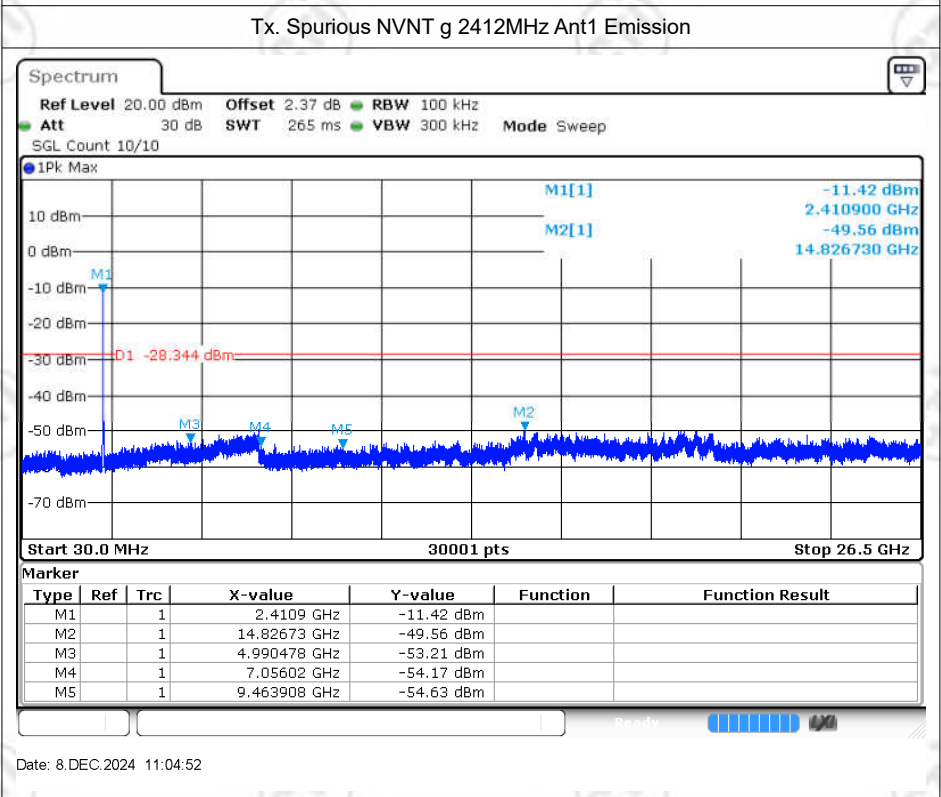


Date: 8 DEC.2024 11:00:21

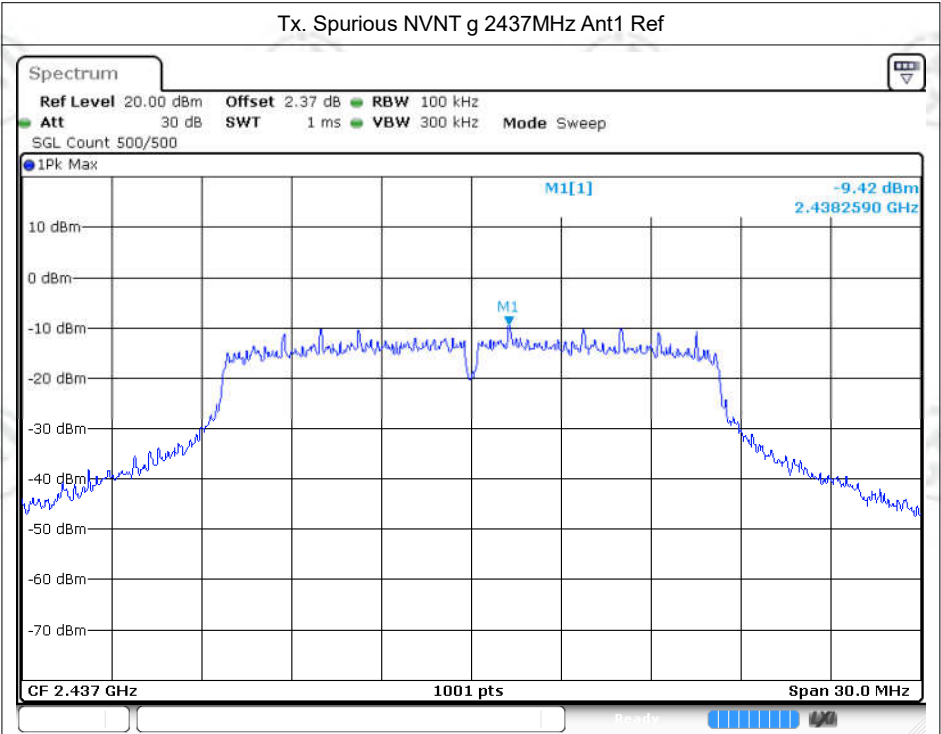




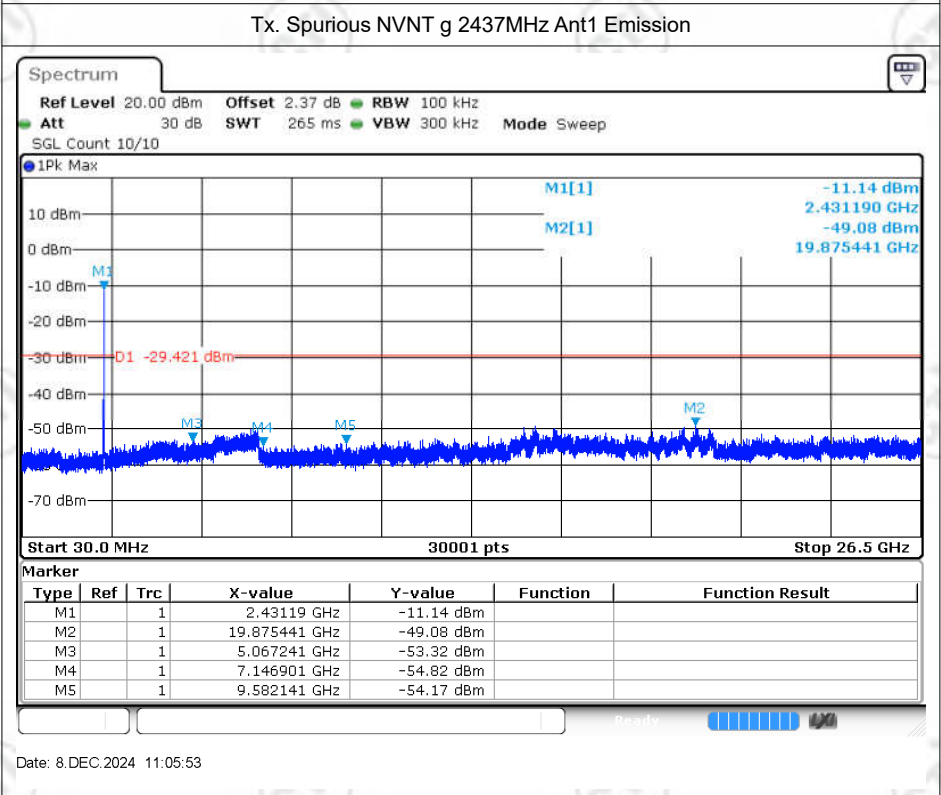
Date: 8 DEC. 2024 11:04:40



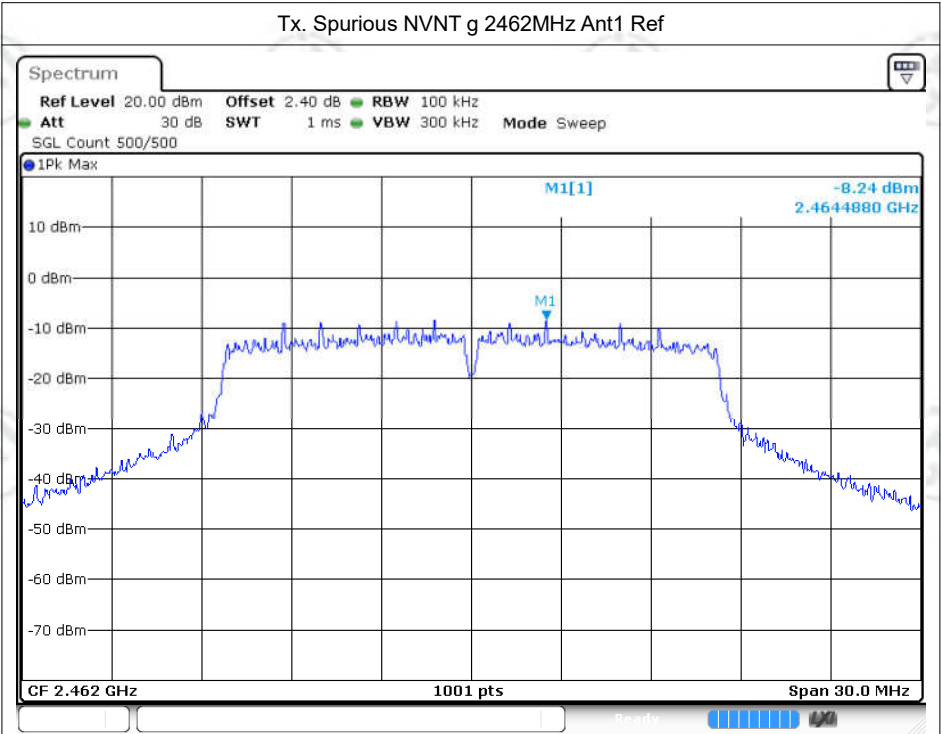
Date: 8 DEC. 2024 11:04:52



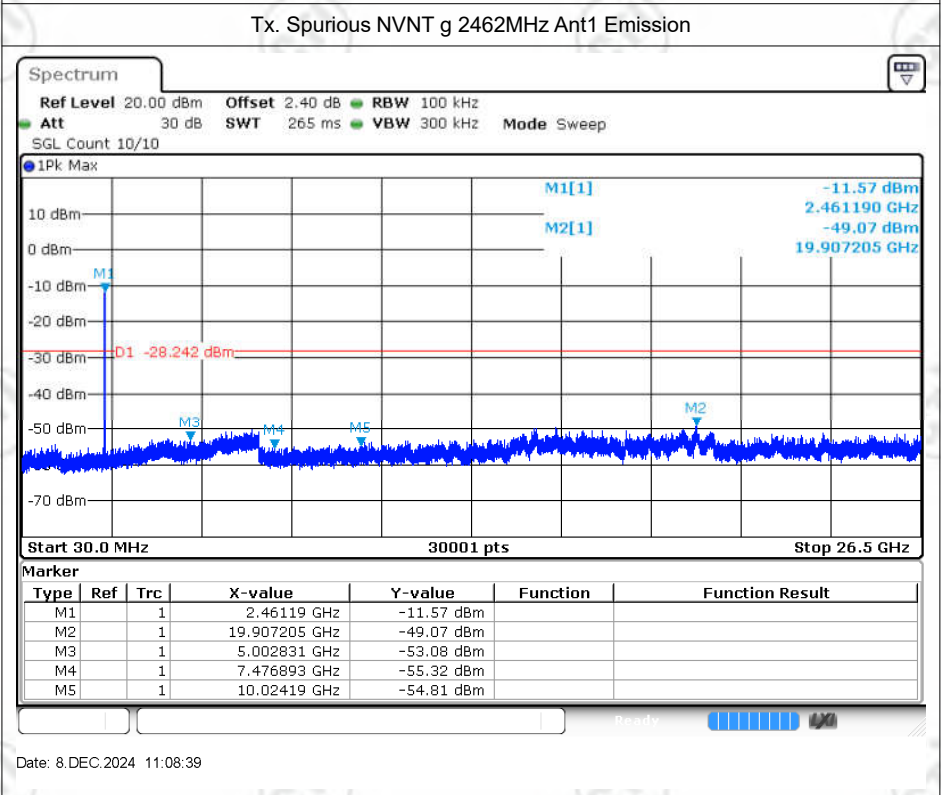
Date: 8.DEC.2024 11:05:41



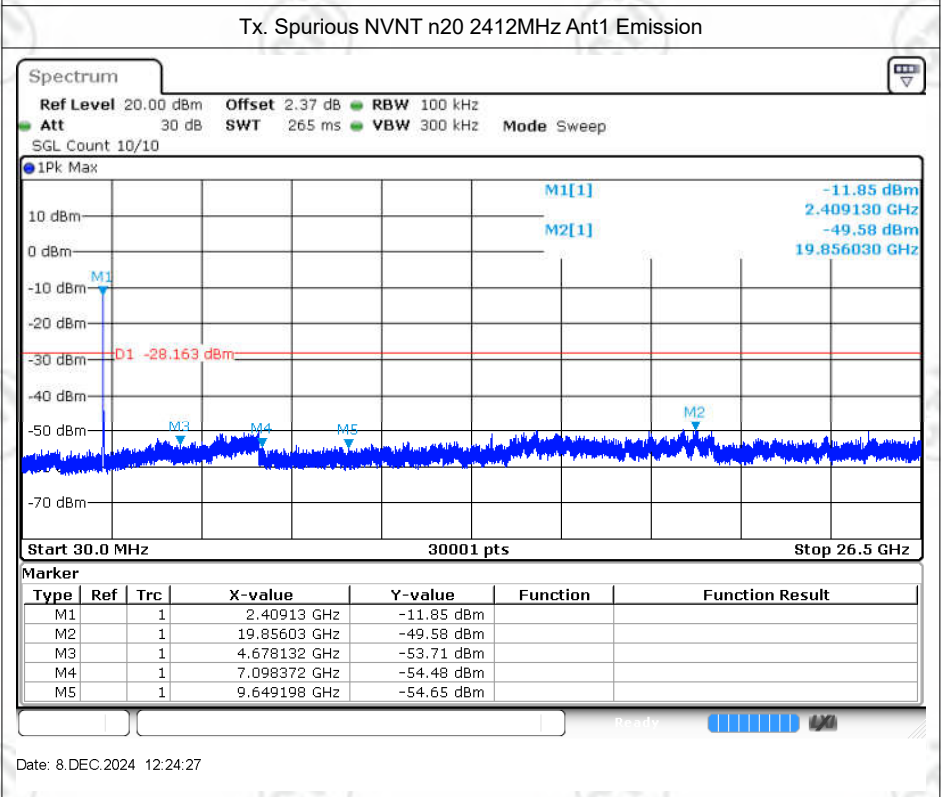
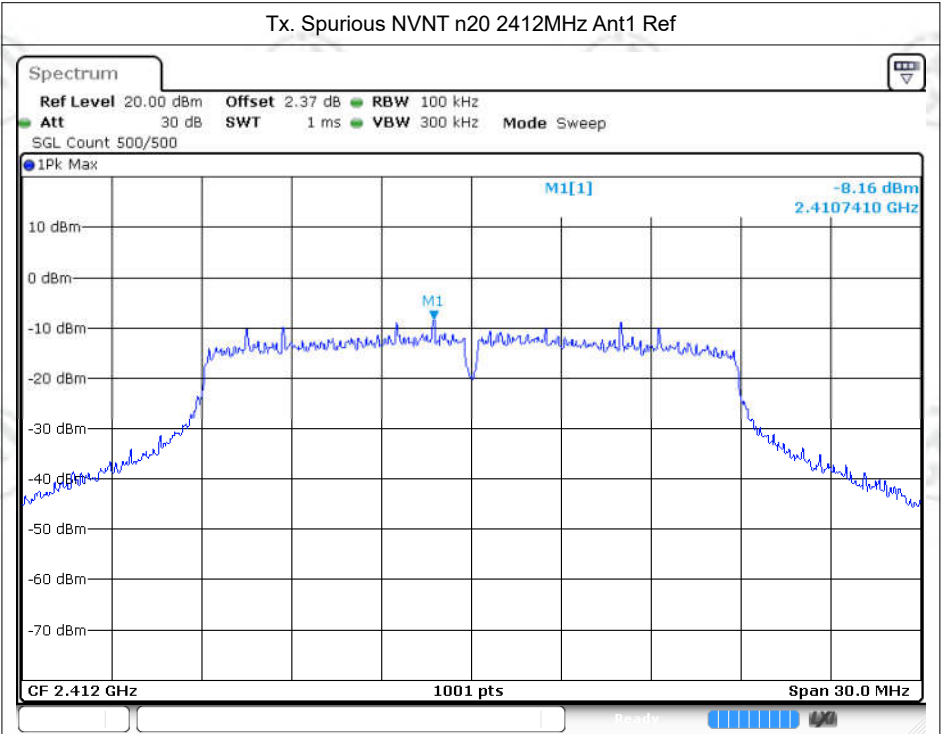
Date: 8.DEC.2024 11:05:53

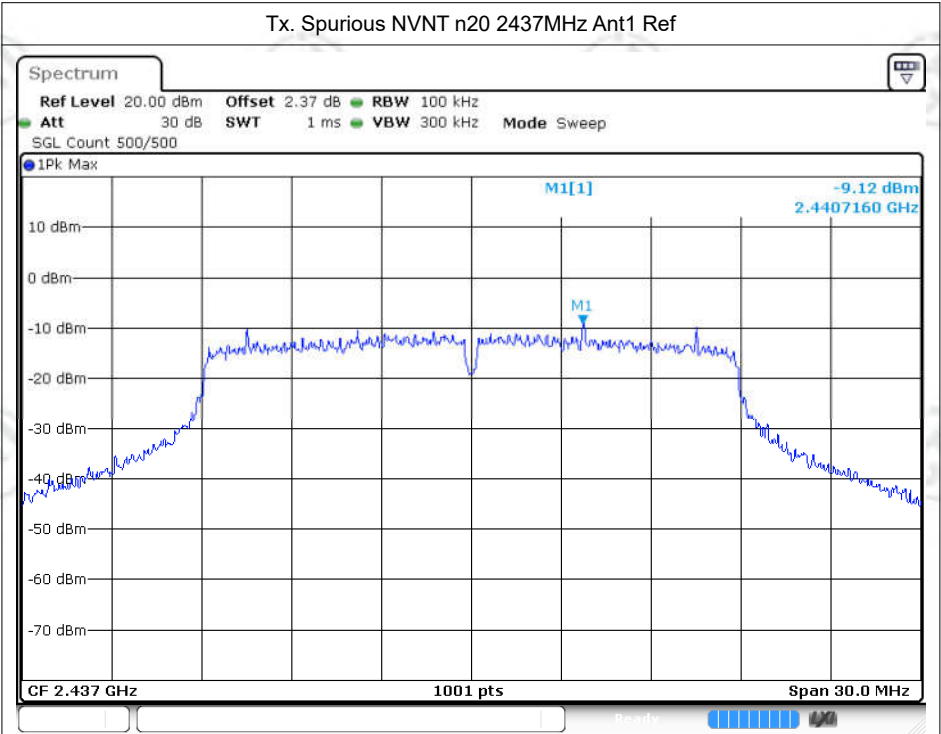


Date: 8 DEC. 2024 11:08:28

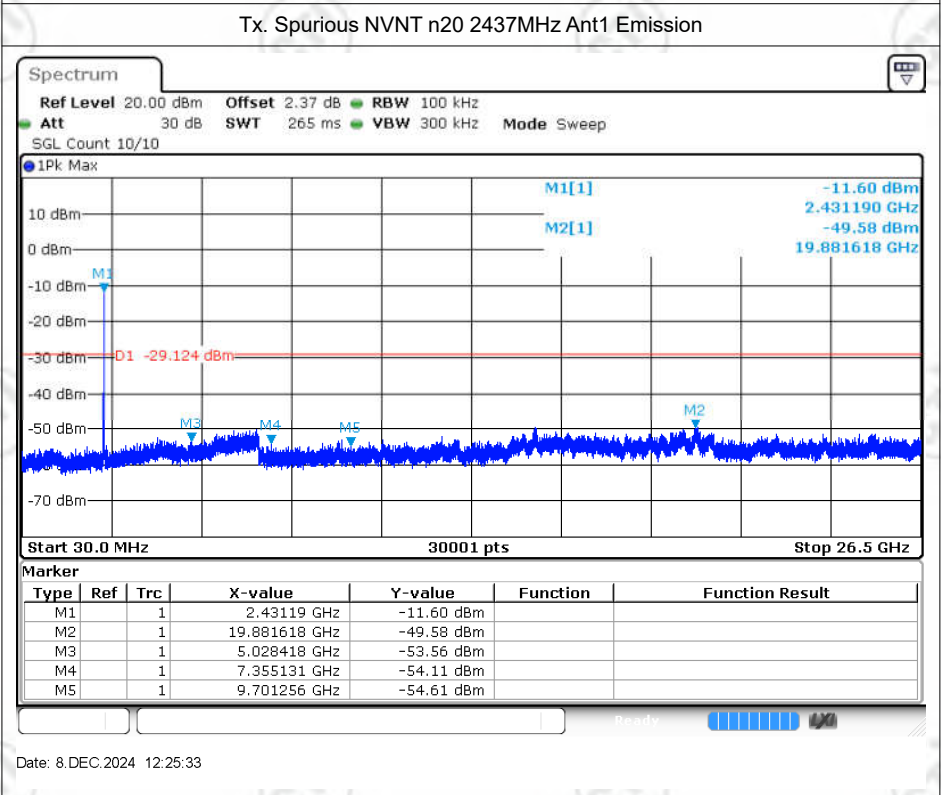


Date: 8 DEC. 2024 11:08:39

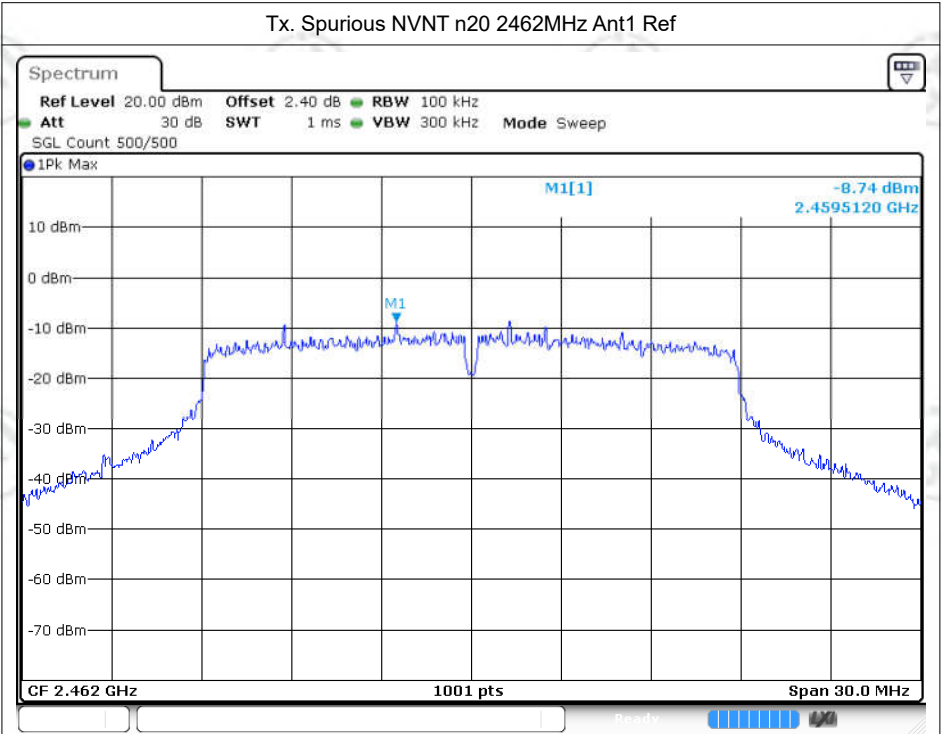




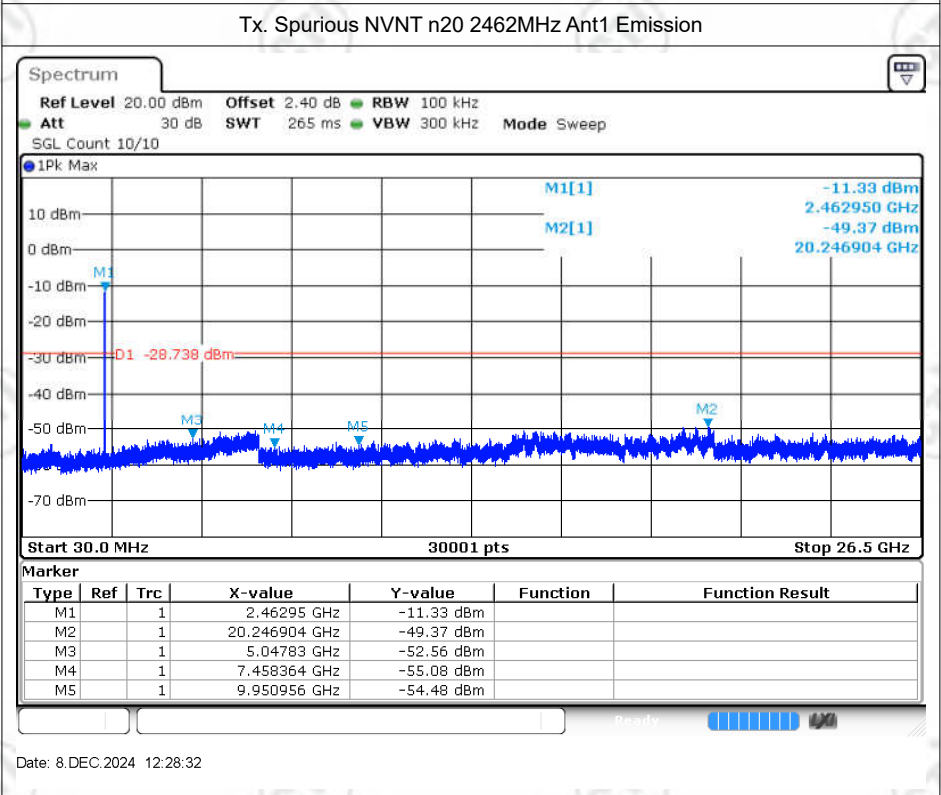
Date: 8 DEC. 2024 12:25:22



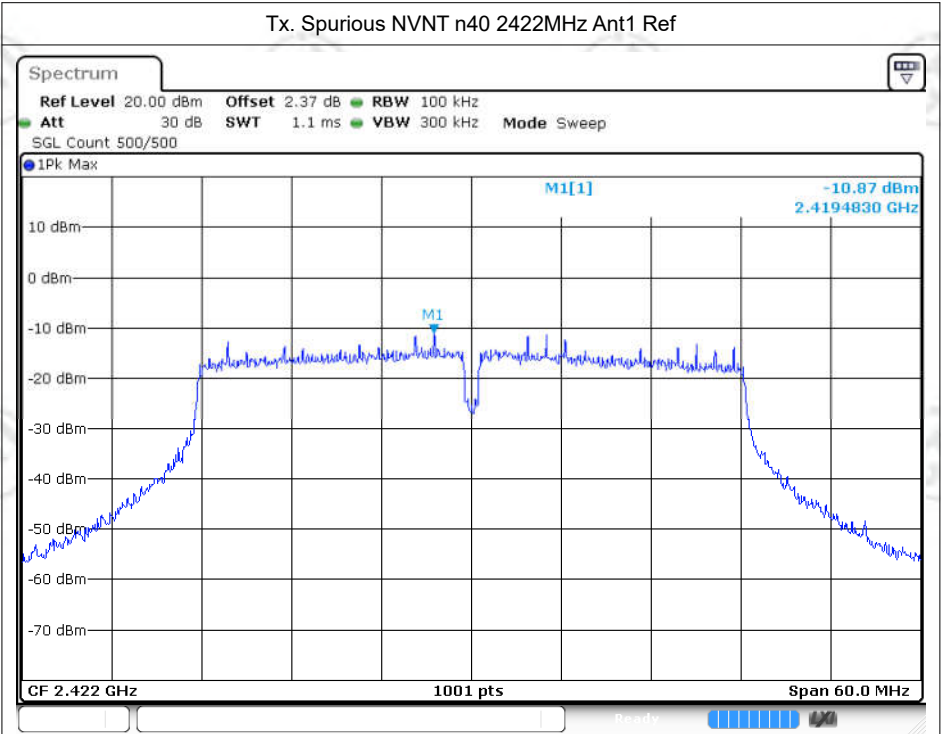
Date: 8 DEC. 2024 12:25:33



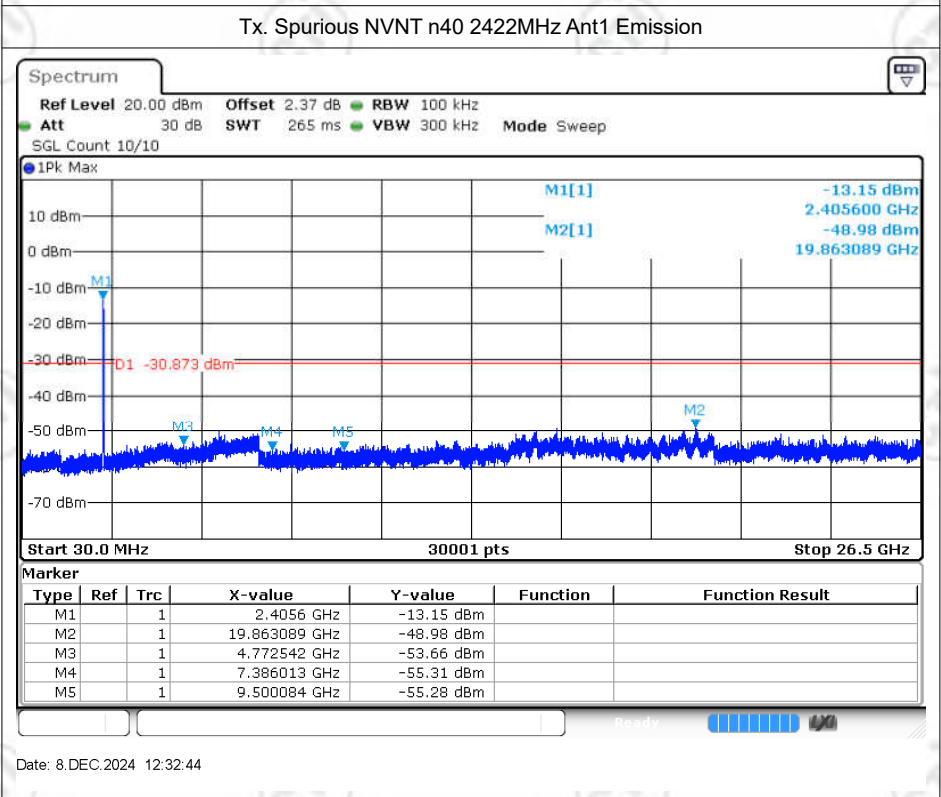
Date: 8 DEC. 2024 12:28:21



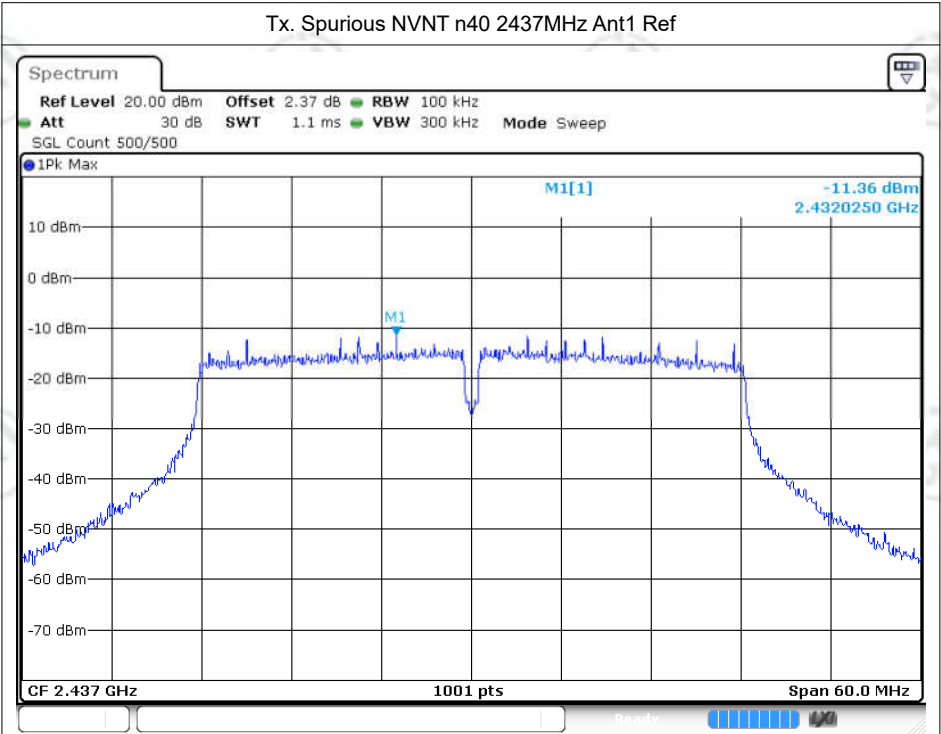
Date: 8 DEC. 2024 12:28:32



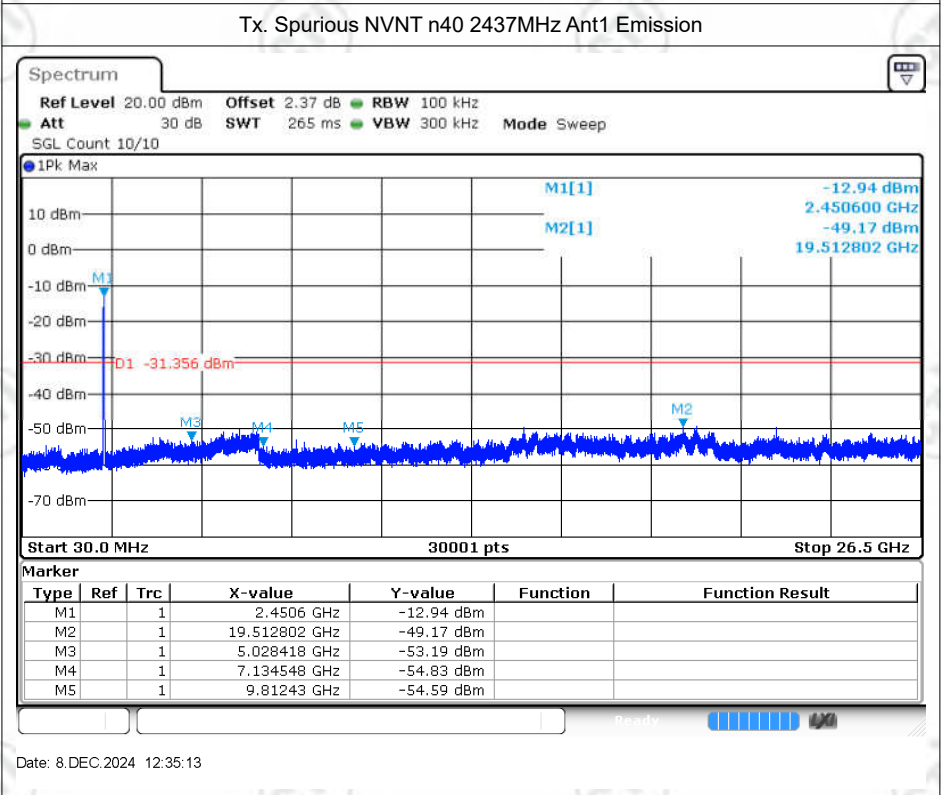
Date: 8, DEC, 2024 12:32:33



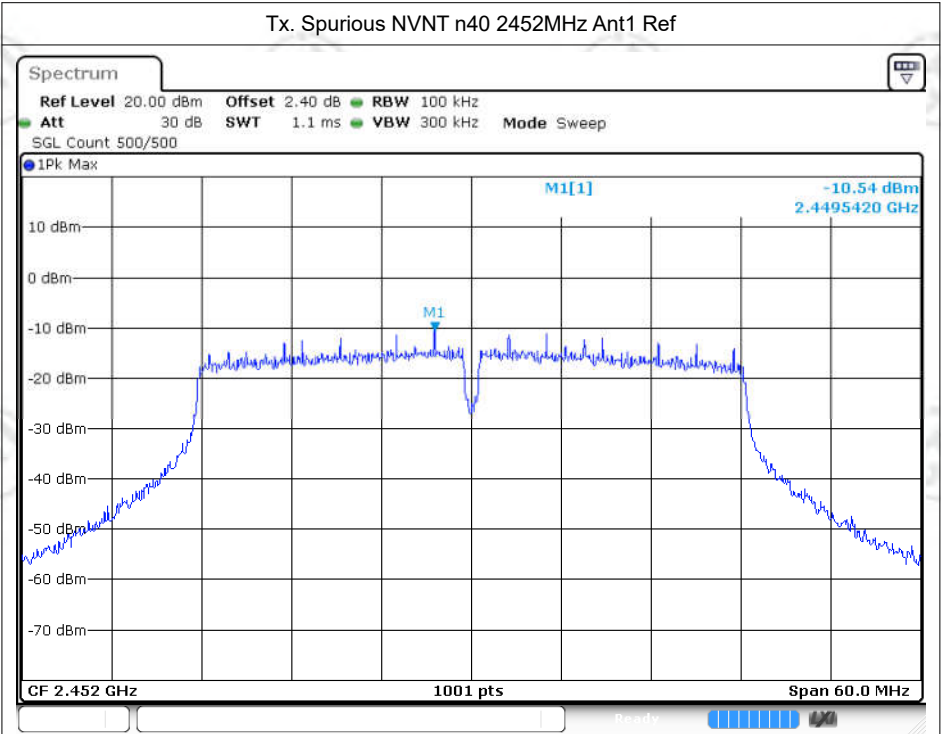
Date: 8, DEC, 2024 12:32:44



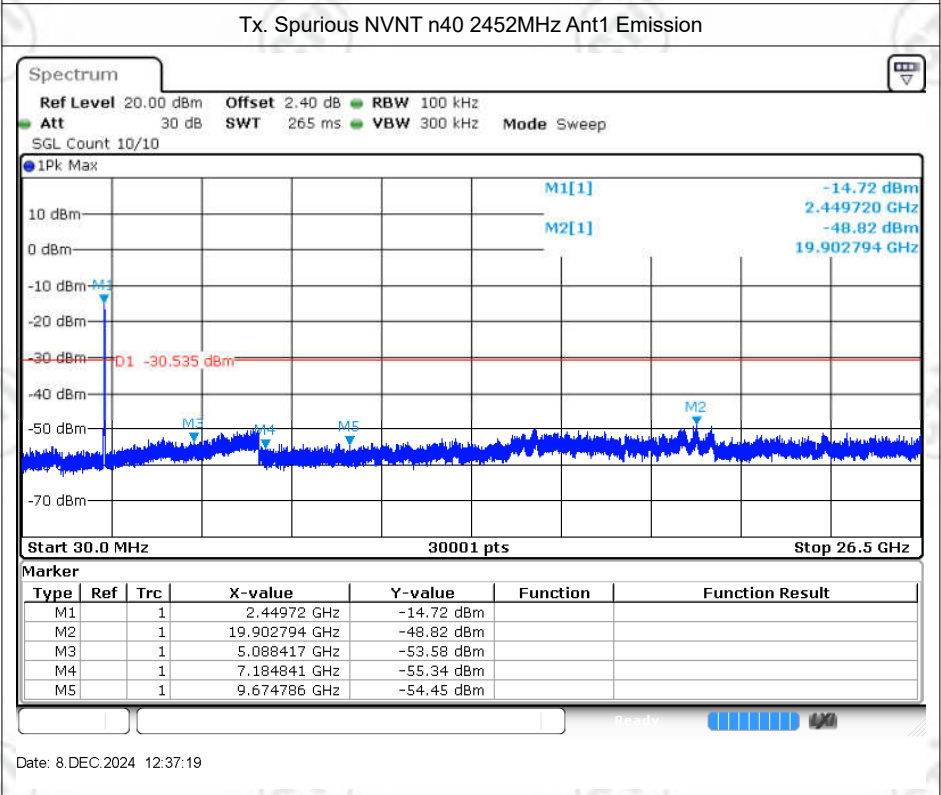
Date: 8 DEC. 2024 12:35:01



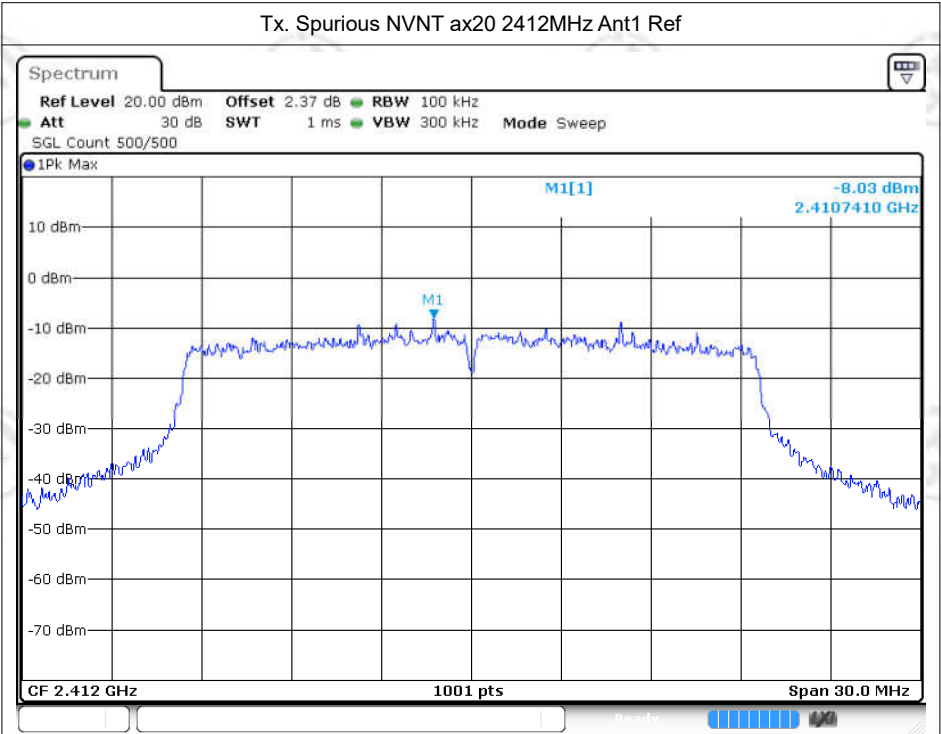
Date: 8 DEC. 2024 12:35:13



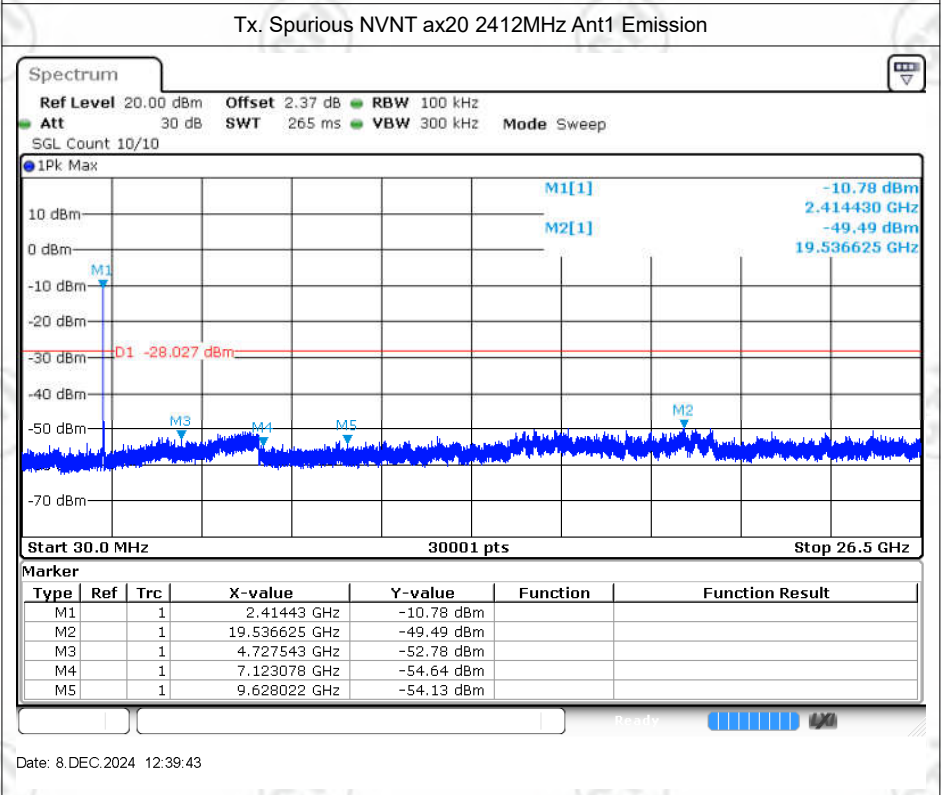
Date: 8.DEC.2024 12:37:08



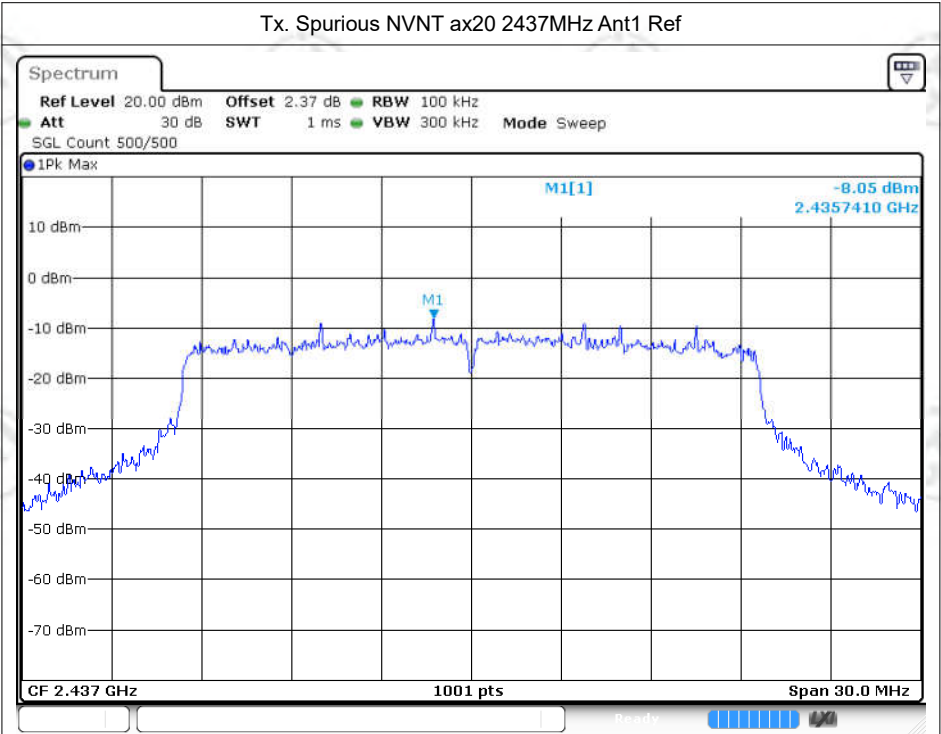
Date: 8.DEC.2024 12:37:19



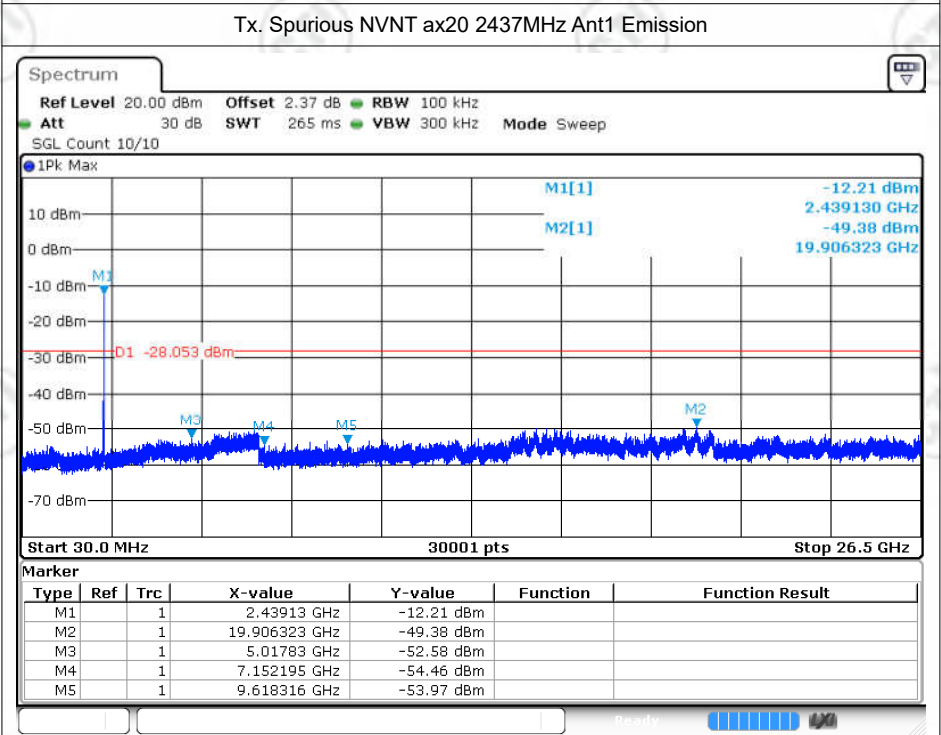
Date: 8 DEC. 2024 12:39:32



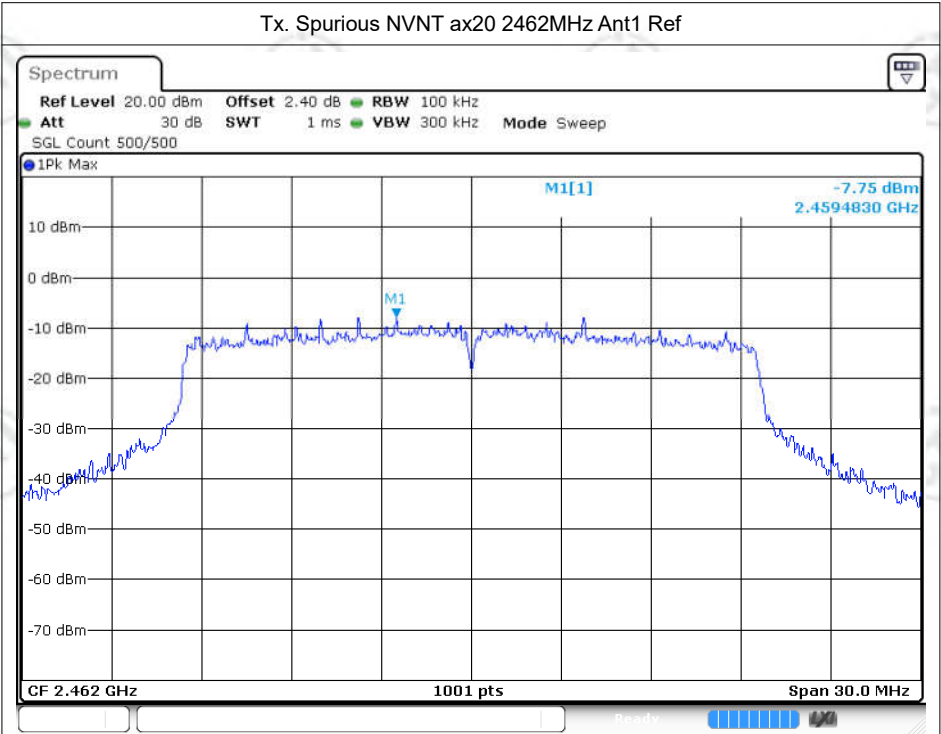
Date: 8 DEC. 2024 12:39:43



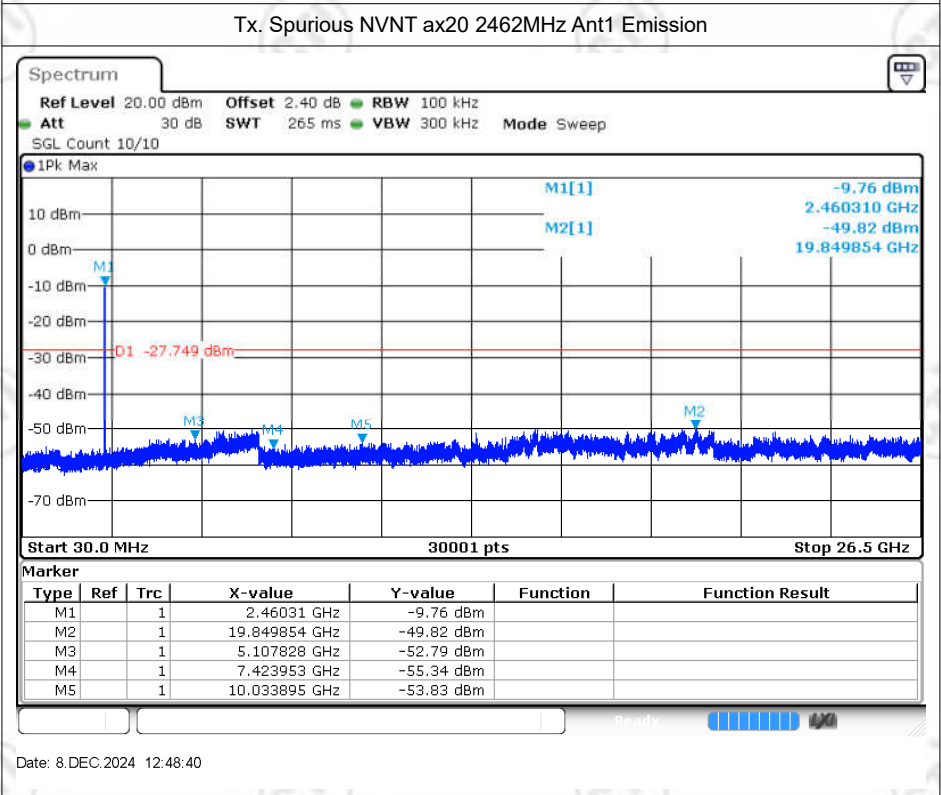
Date: 8 DEC.2024 12:43:33



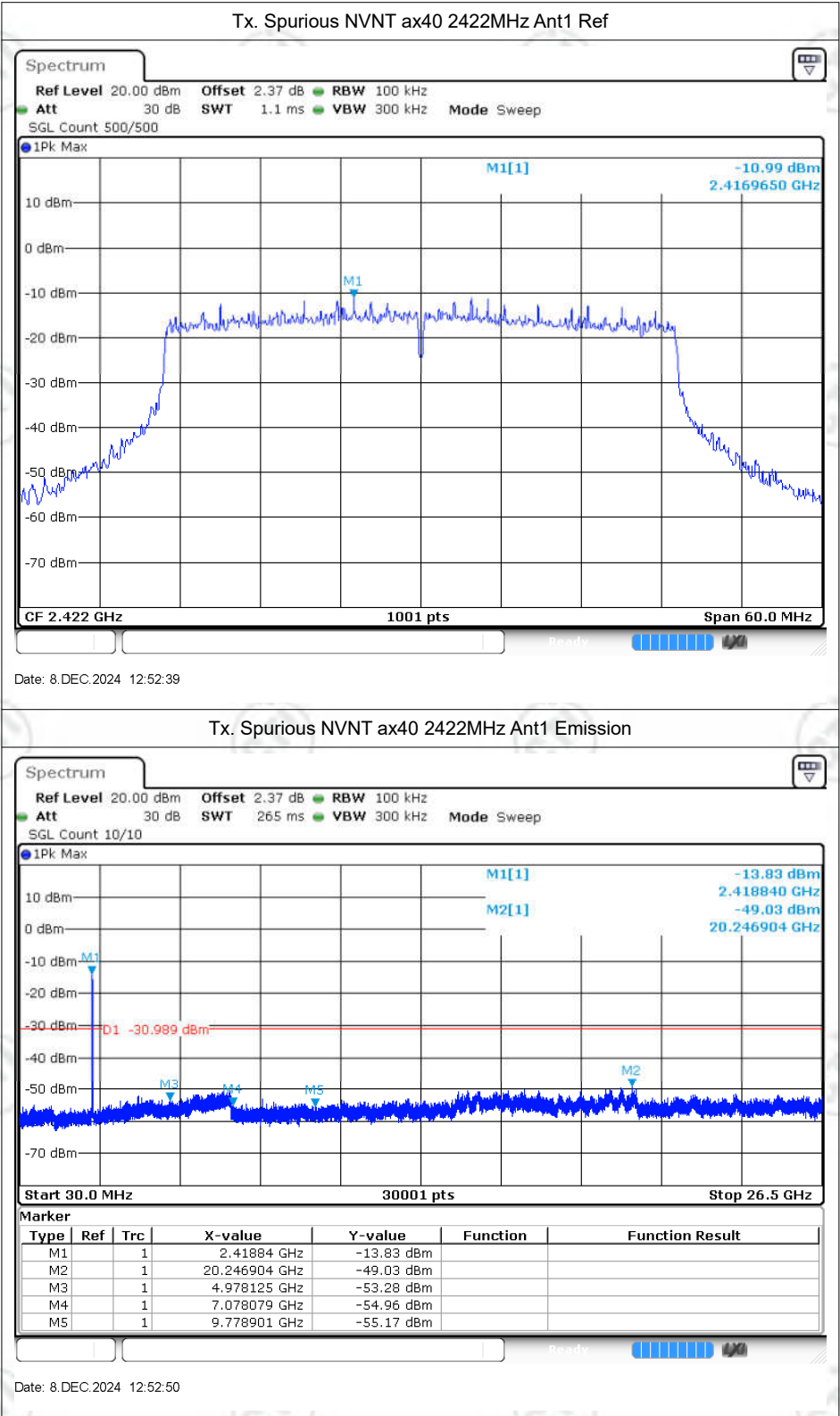
Date: 8 DEC.2024 12:43:44

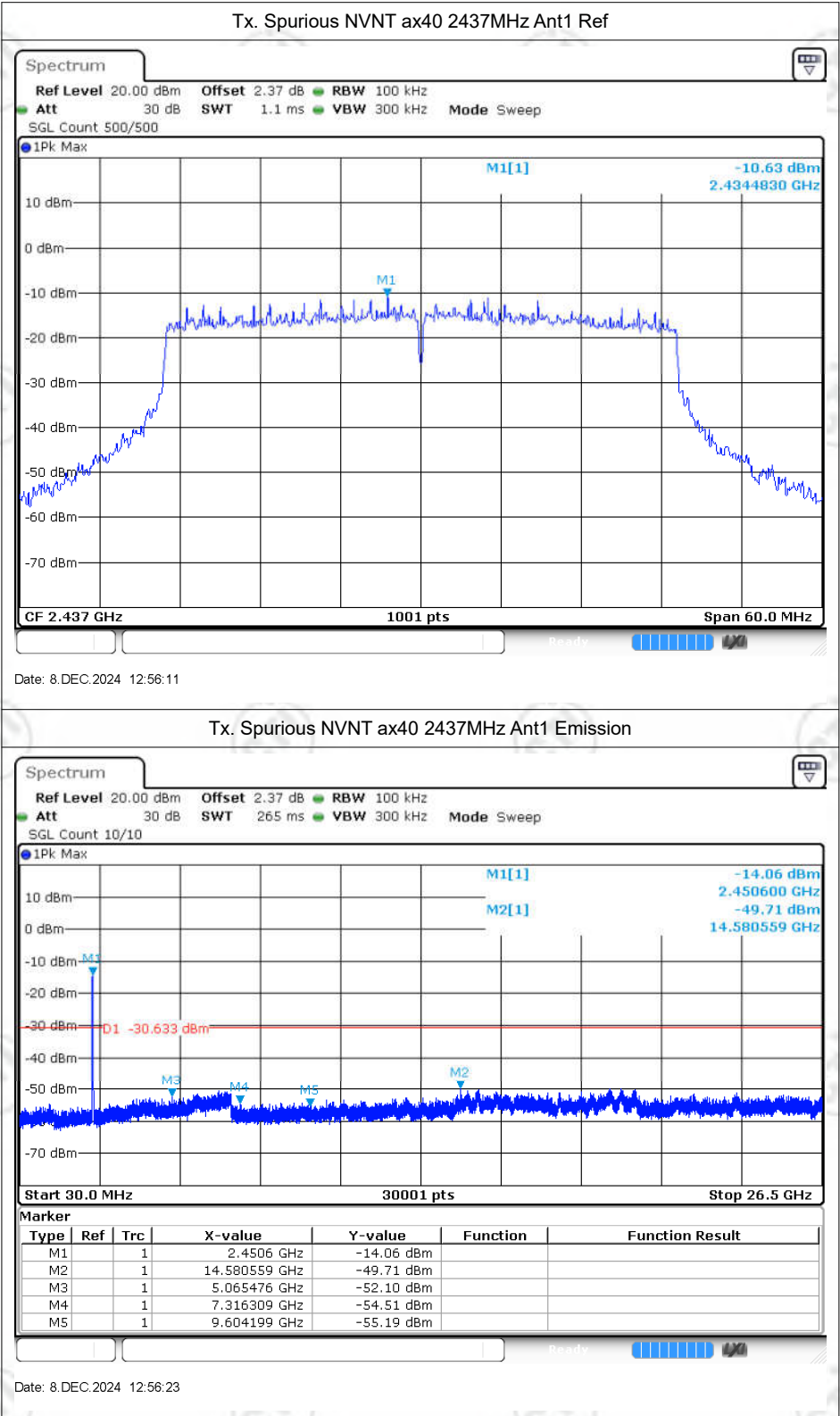


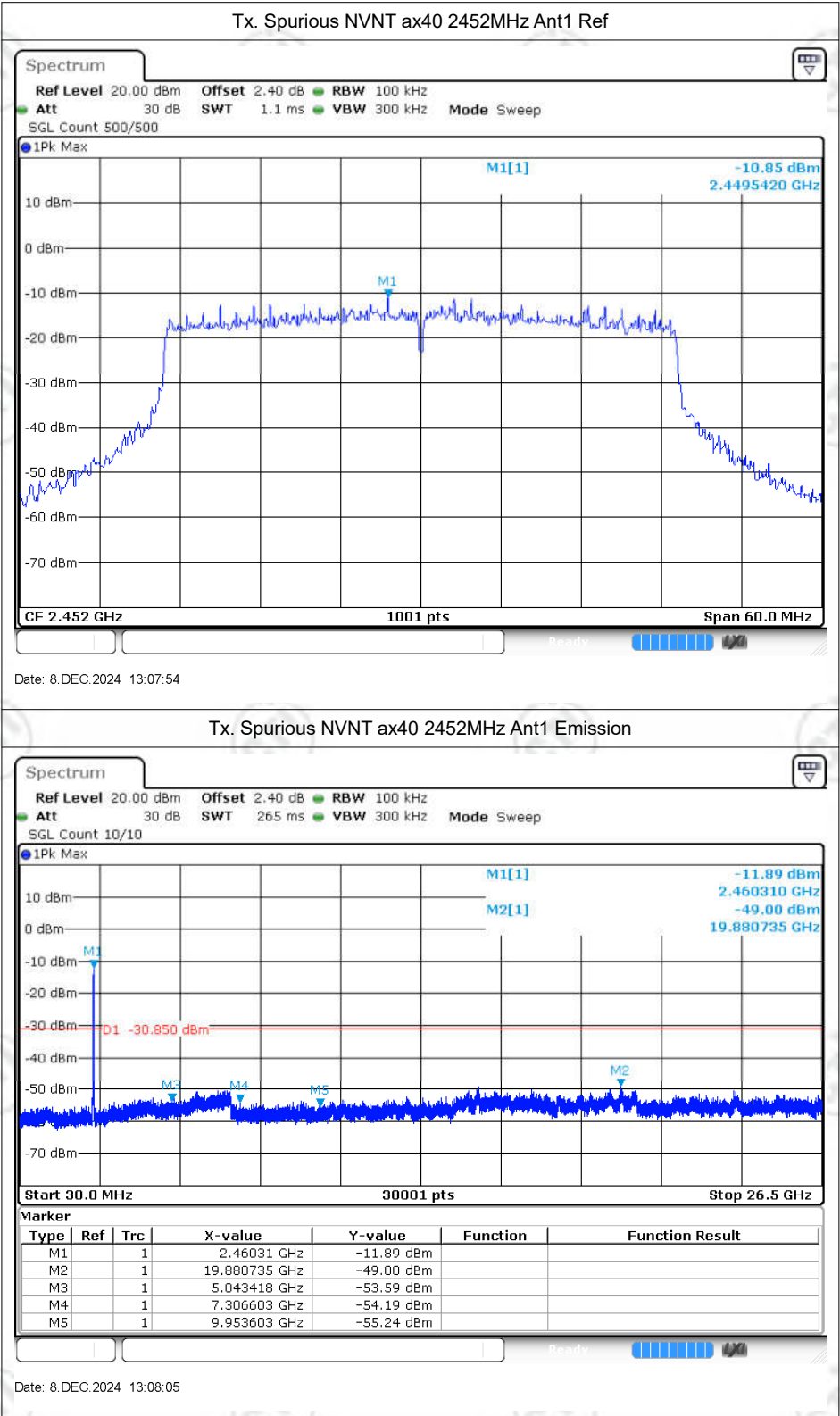
Date: 8 DEC. 2024 12:48:29



Date: 8 DEC. 2024 12:48:40







END OF REPORT