

Appendix: 2.4G Wi-Fi

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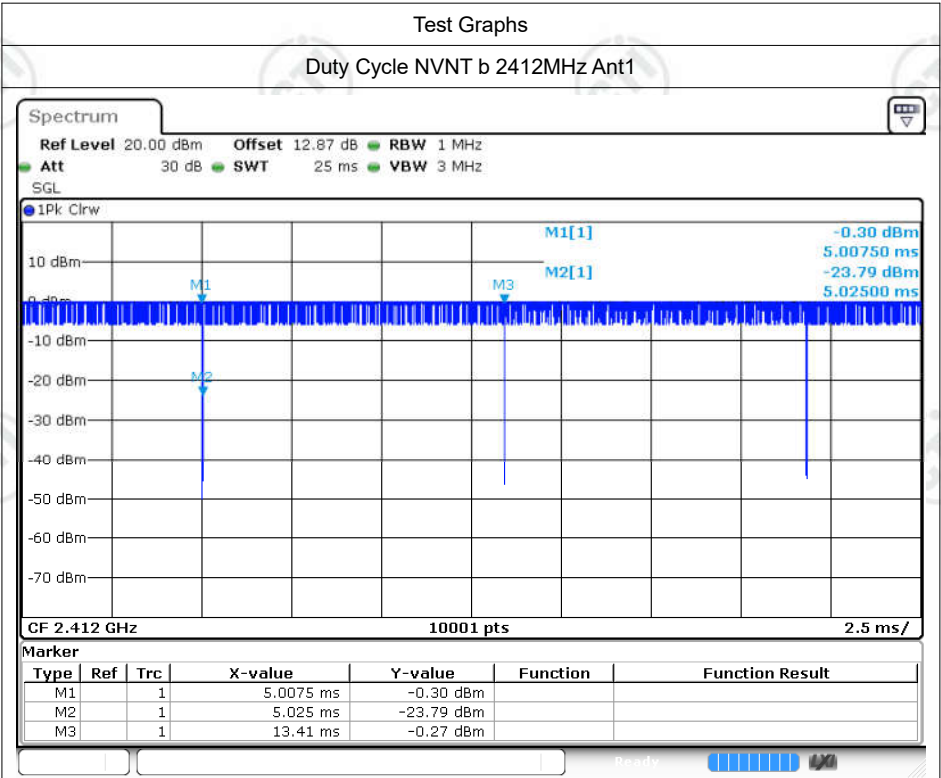
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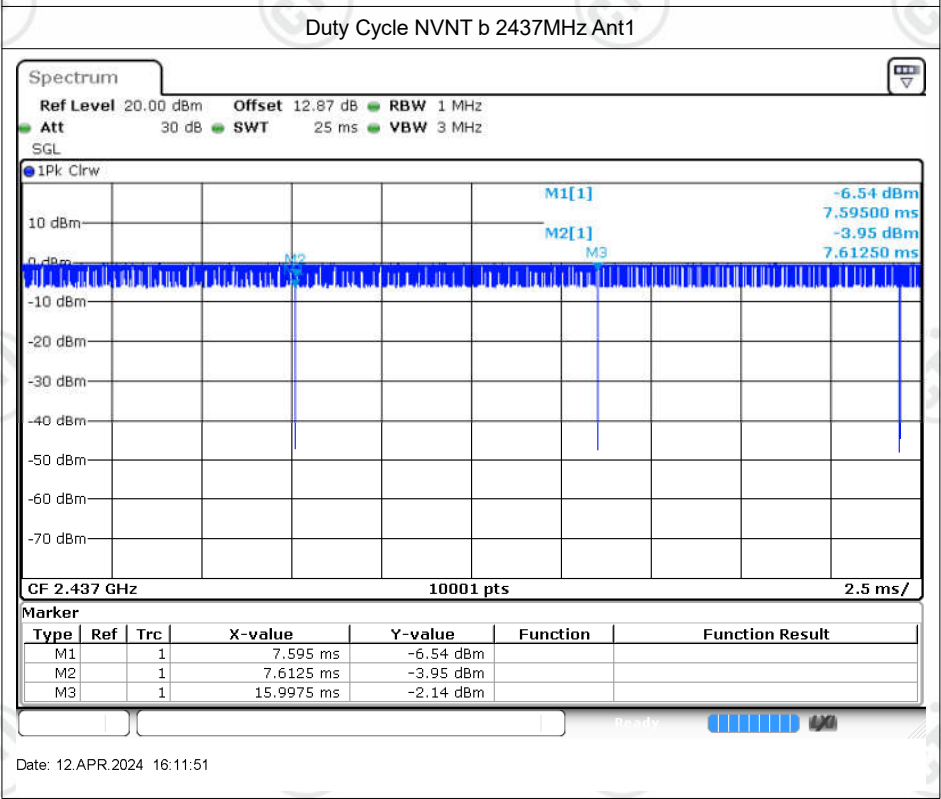
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Duty Cycle

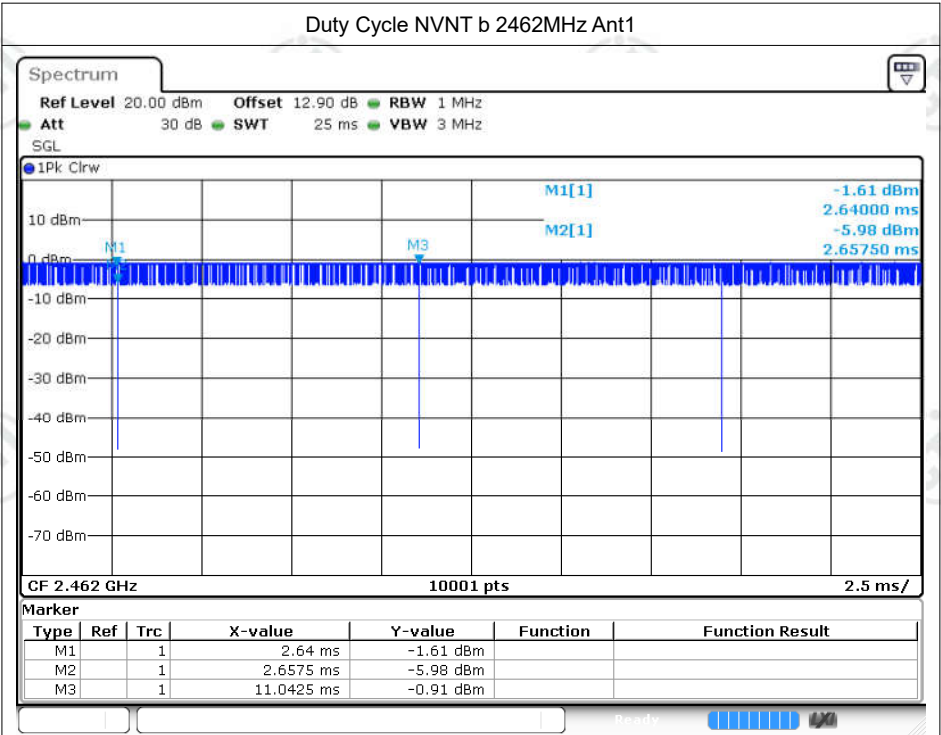
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.79	0	0.12
NVNT	b	2437	Ant1	99.79	0	0.12
NVNT	b	2462	Ant1	99.79	0	0.12
NVNT	g	2412	Ant1	98.79	0	0.72
NVNT	g	2437	Ant1	98.72	0	0.72
NVNT	g	2462	Ant1	98.79	0	0.72
NVNT	n20	2412	Ant1	99.66	0	0.2
NVNT	n20	2437	Ant1	99.66	0	0.2
NVNT	n20	2462	Ant1	99.71	0	0.2
NVNT	n40	2422	Ant1	98.99	0	0.41
NVNT	n40	2437	Ant1	99	0	0.41
NVNT	n40	2452	Ant1	99	0	0.41



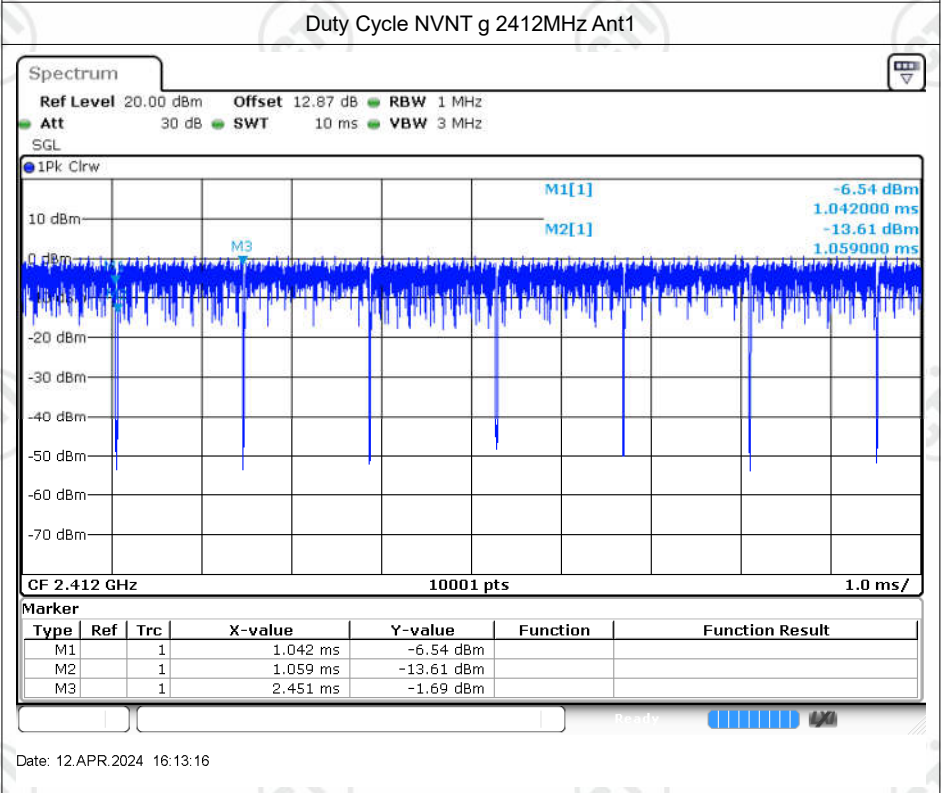
Date: 12.APR.2024 16:11:04



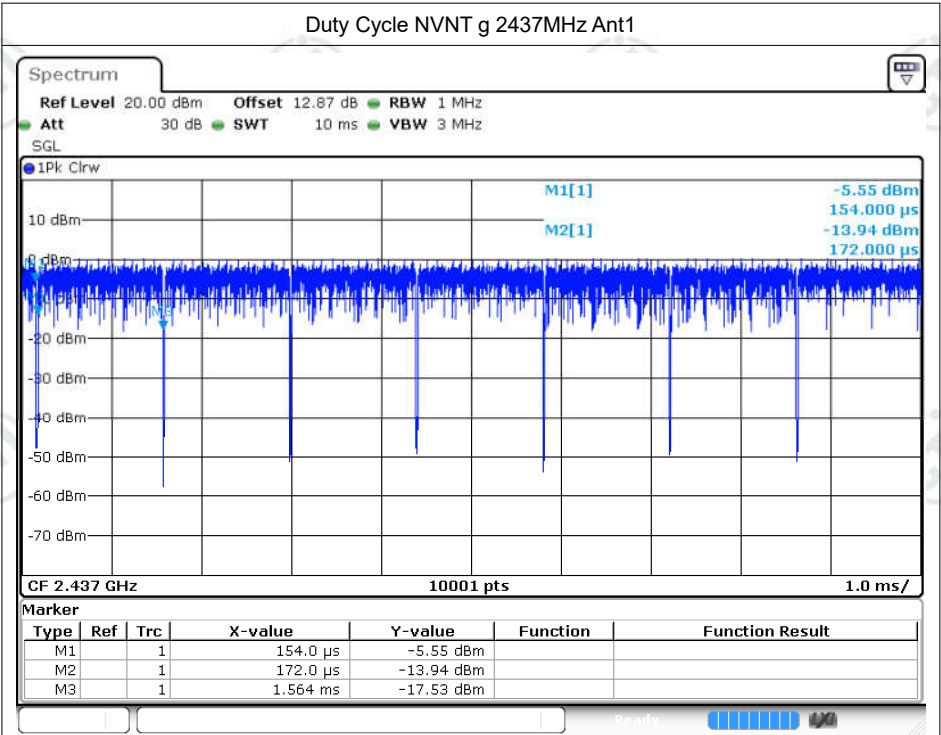
Date: 12.APR.2024 16:11:51



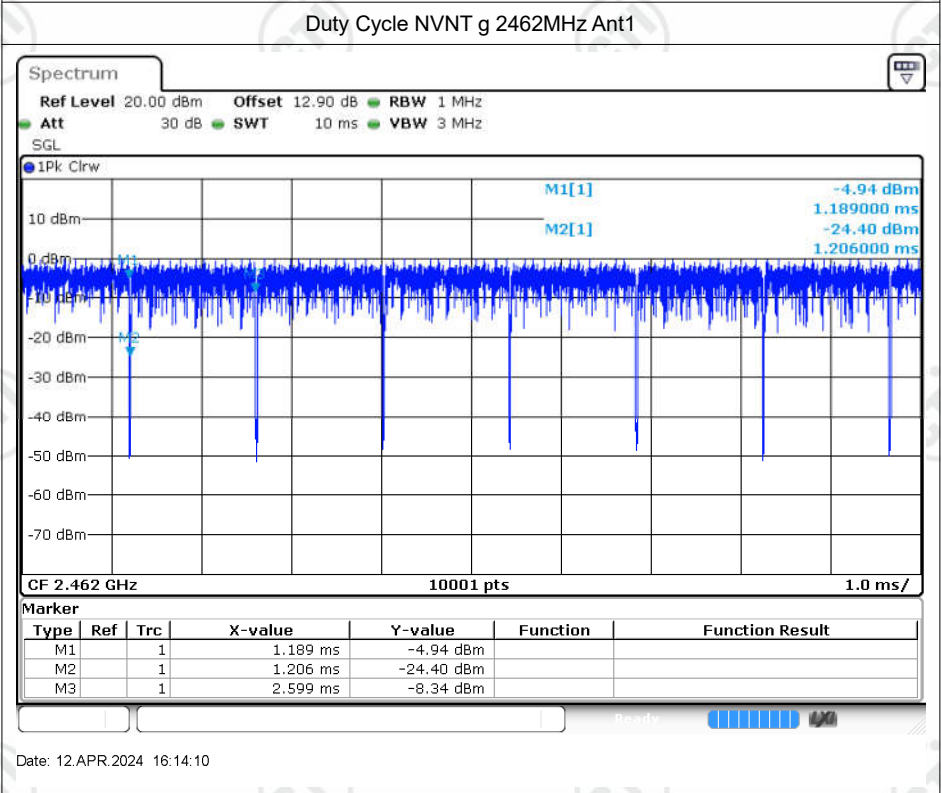
Date: 12.APR.2024 16:12:30



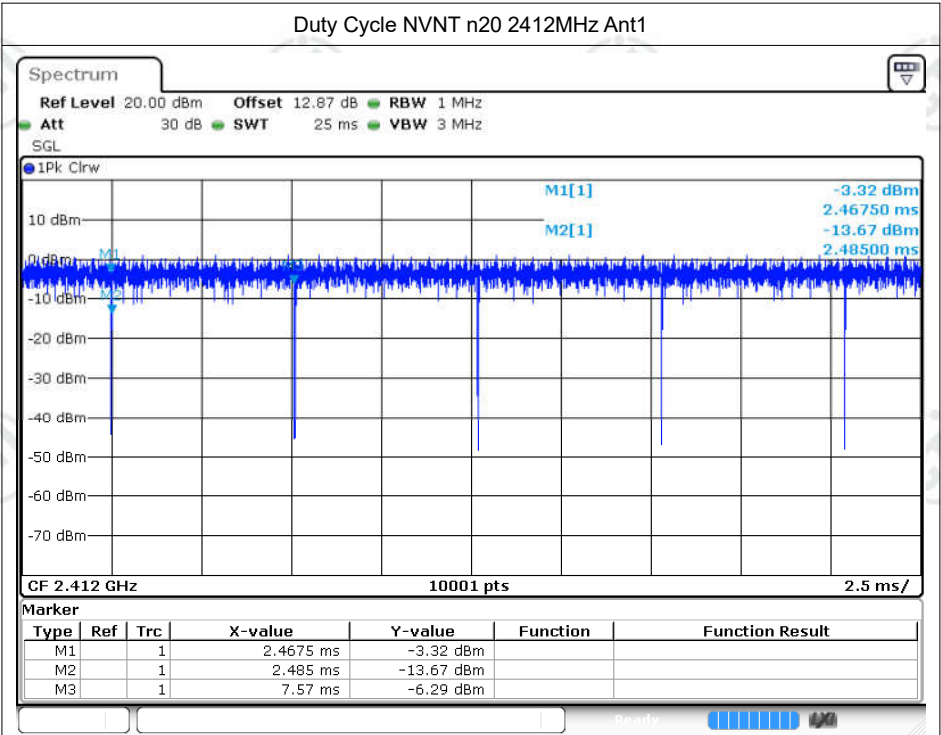
Date: 12.APR.2024 16:13:16



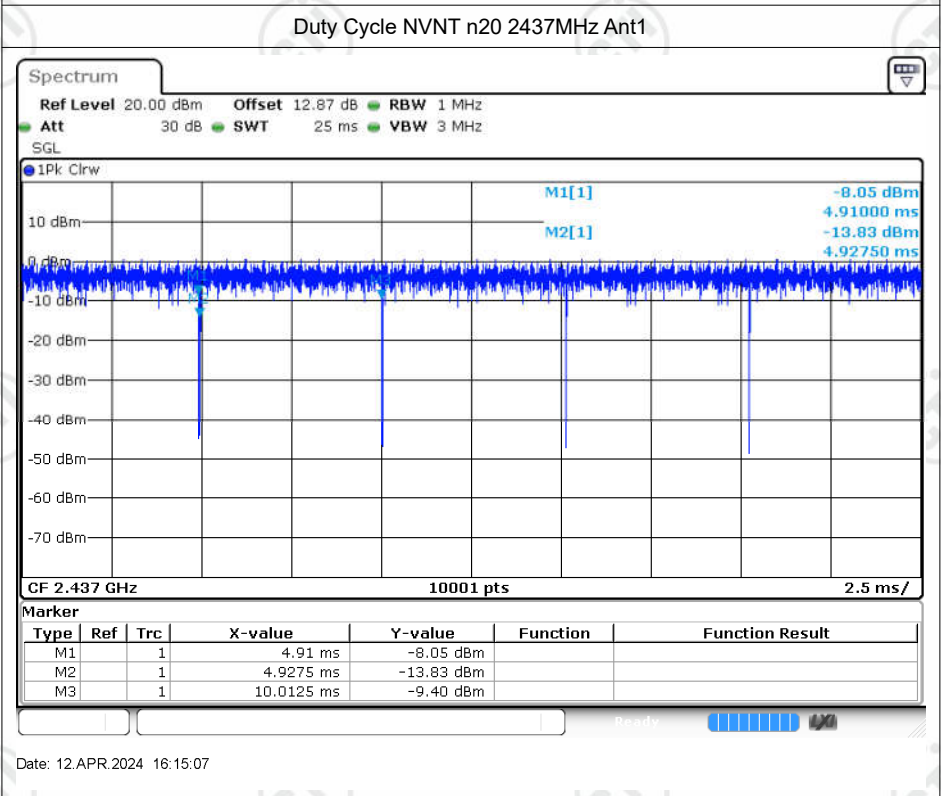
Date: 12.APR.2024 16:13:42



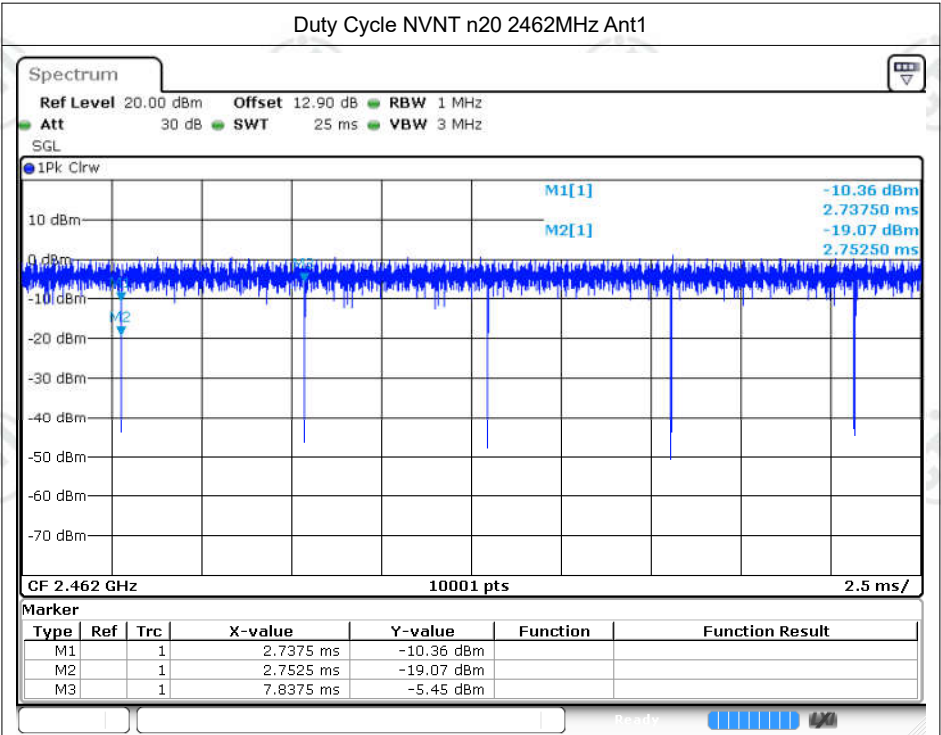
Date: 12.APR.2024 16:14:10



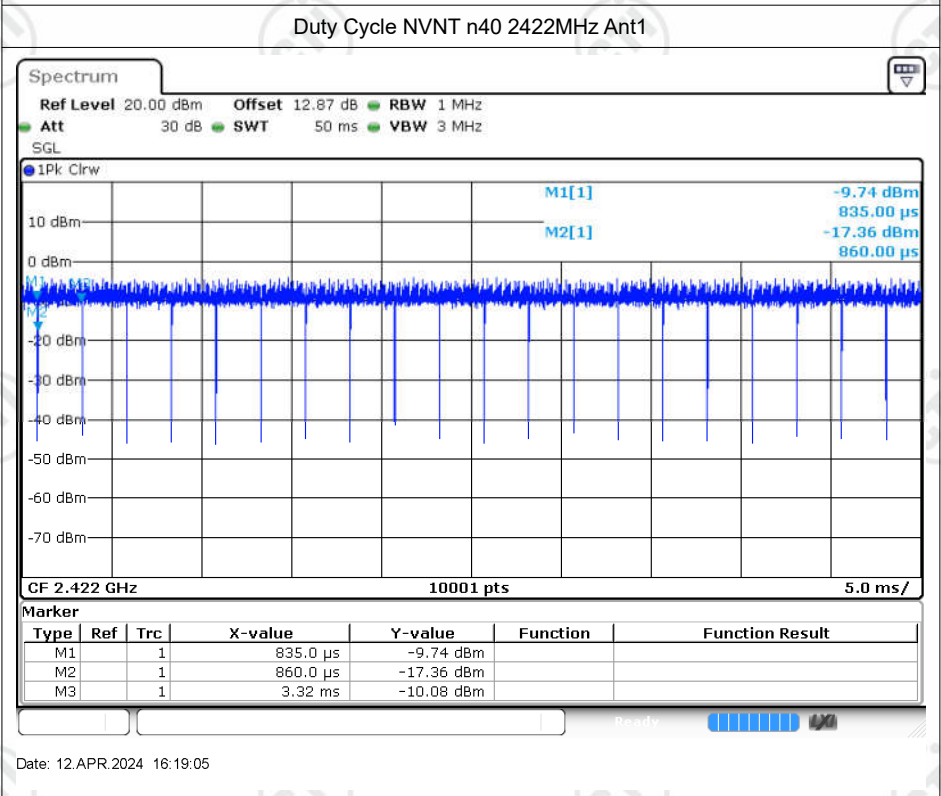
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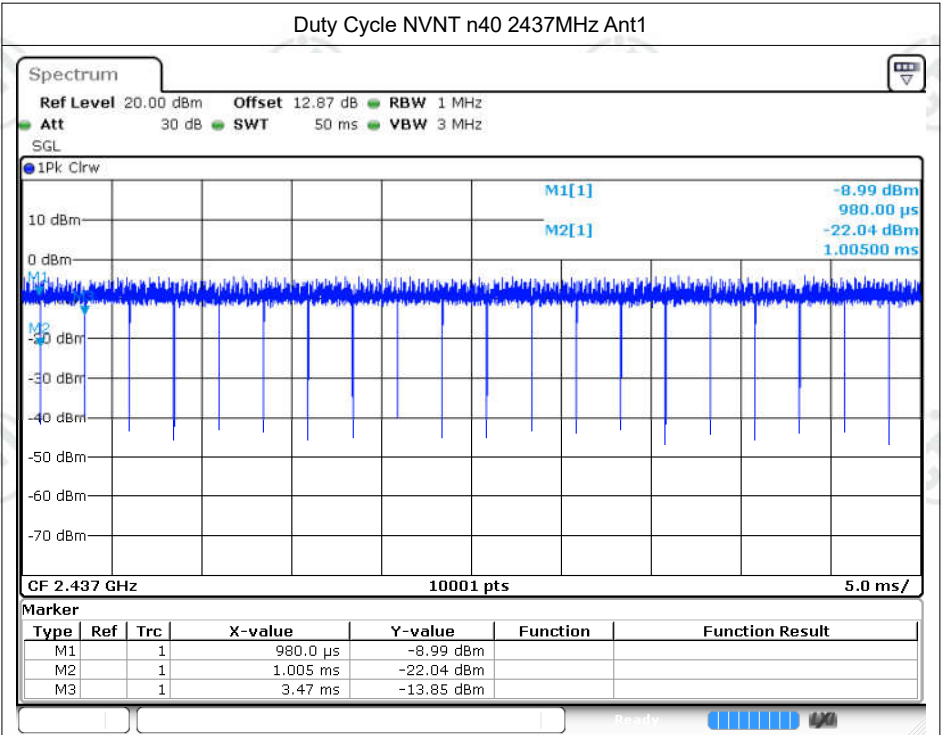
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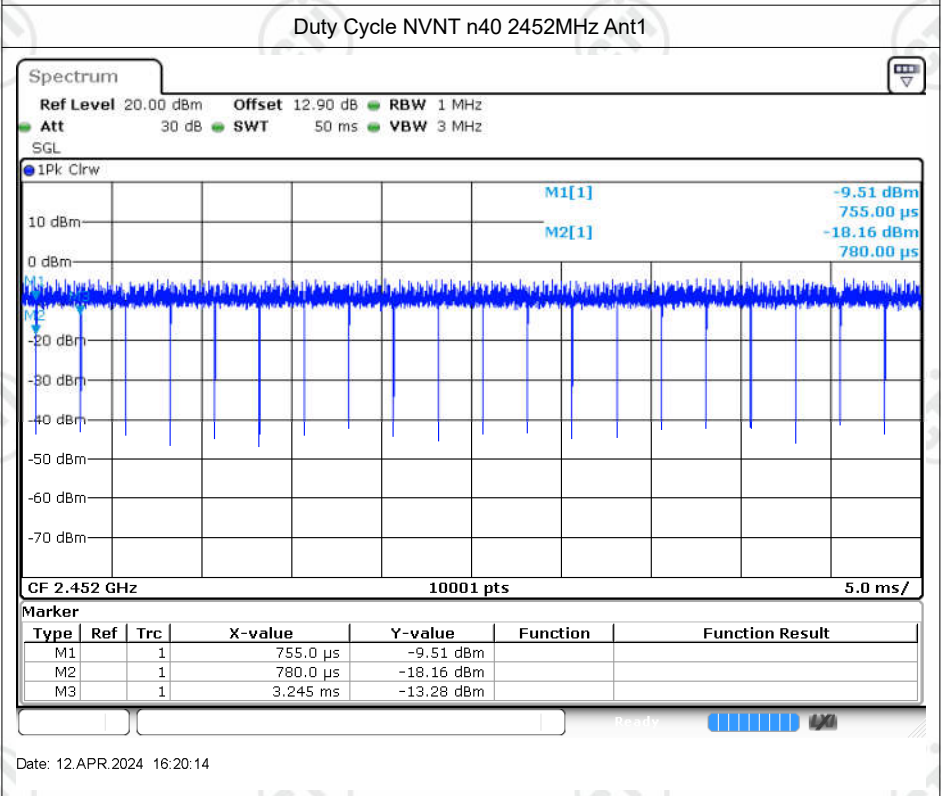
Date: 12.APR.2024 16:15:31



Date: 12.APR.2024 16:19:05



Date: 12.APR.2024 16:19:47



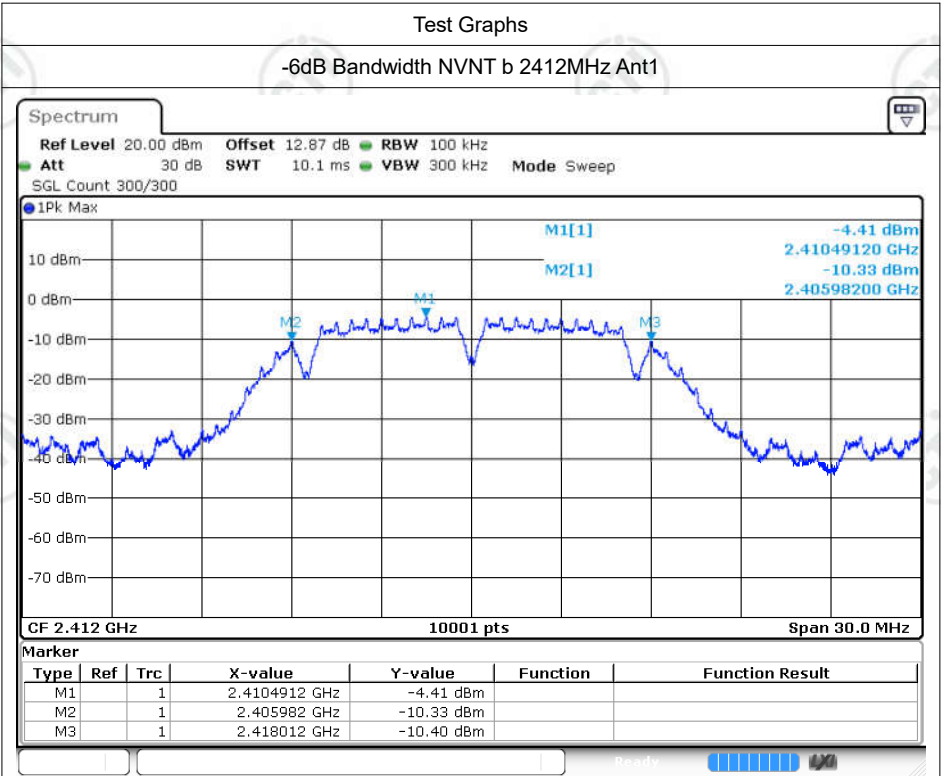
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Maximum Peak Conducted Output Power

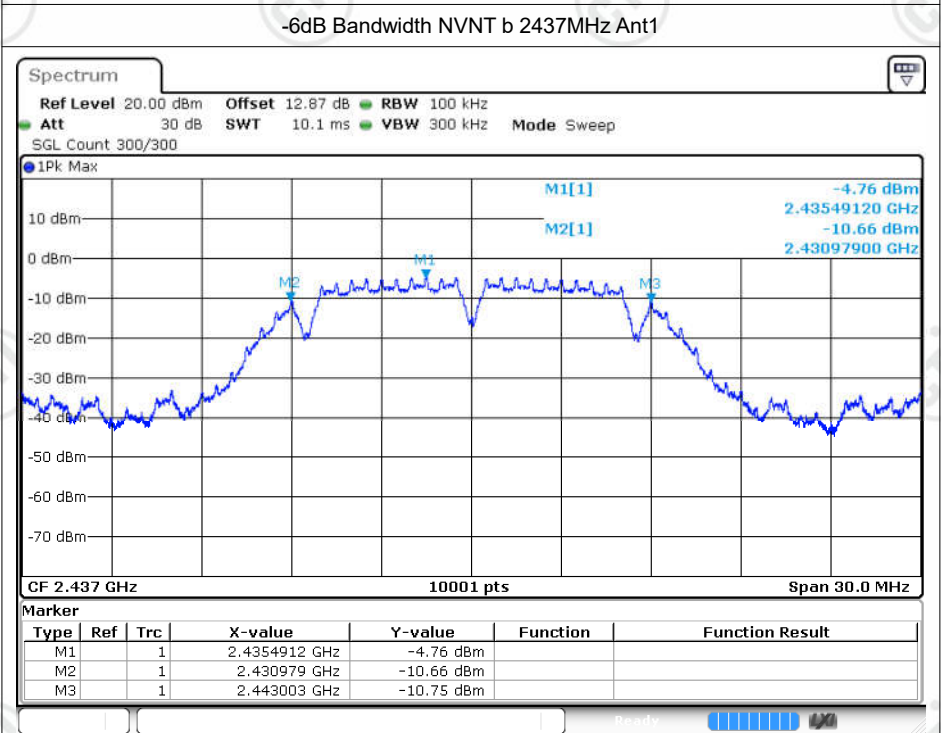
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	8.72	30	Pass
NVNT	b	2437	Ant1	8.35	30	Pass
NVNT	b	2462	Ant1	7.84	30	Pass
NVNT	g	2412	Ant1	7.21	30	Pass
NVNT	g	2437	Ant1	6.88	30	Pass
NVNT	g	2462	Ant1	6.37	30	Pass
NVNT	n20	2412	Ant1	7	30	Pass
NVNT	n20	2437	Ant1	6.67	30	Pass
NVNT	n20	2462	Ant1	6.21	30	Pass
NVNT	n40	2422	Ant1	7.44	30	Pass
NVNT	n40	2437	Ant1	7.2	30	Pass
NVNT	n40	2452	Ant1	6.86	30	Pass

-6dB Bandwidth

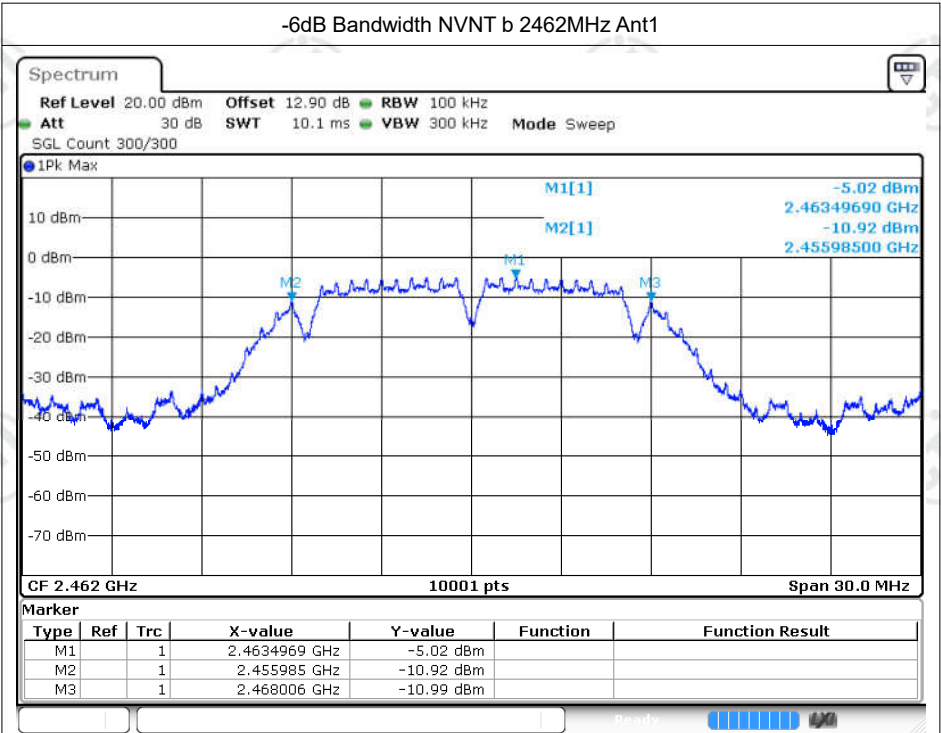
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	12.03	0.5	Pass
NVNT	b	2437	Ant1	12.024	0.5	Pass
NVNT	b	2462	Ant1	12.021	0.5	Pass
NVNT	g	2412	Ant1	15.165	0.5	Pass
NVNT	g	2437	Ant1	15.171	0.5	Pass
NVNT	g	2462	Ant1	15.162	0.5	Pass
NVNT	n20	2412	Ant1	15.141	0.5	Pass
NVNT	n20	2437	Ant1	15.12	0.5	Pass
NVNT	n20	2462	Ant1	15.15	0.5	Pass
NVNT	n40	2422	Ant1	35.112	0.5	Pass
NVNT	n40	2437	Ant1	34.98	0.5	Pass
NVNT	n40	2452	Ant1	35.022	0.5	Pass



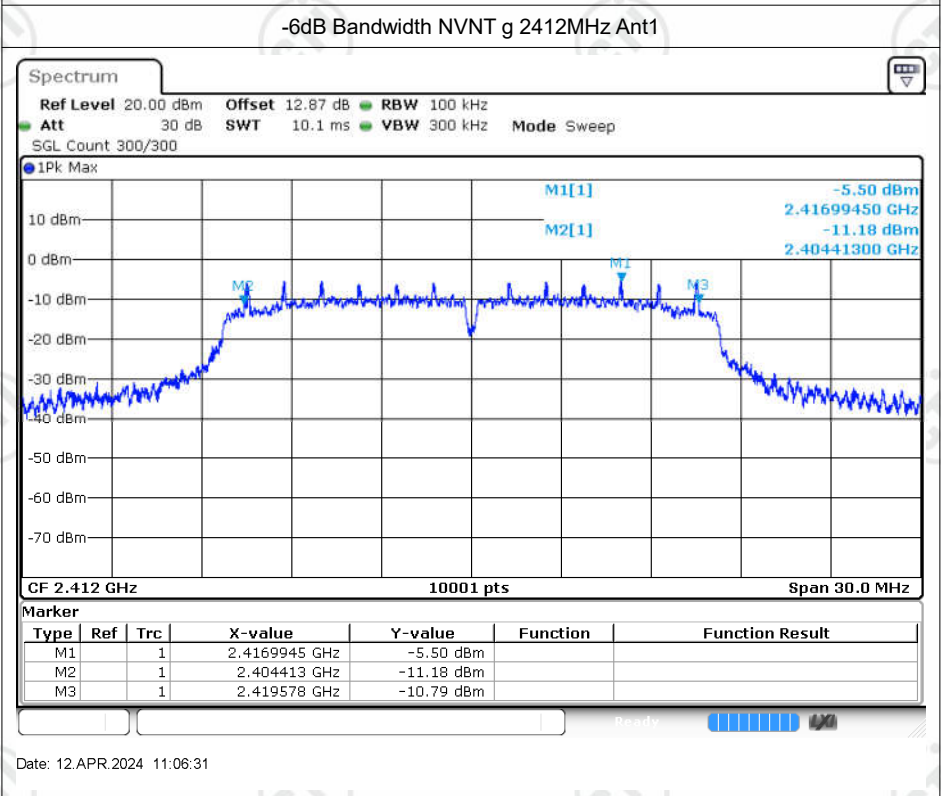
Date: 12.APR.2024 10:59:31



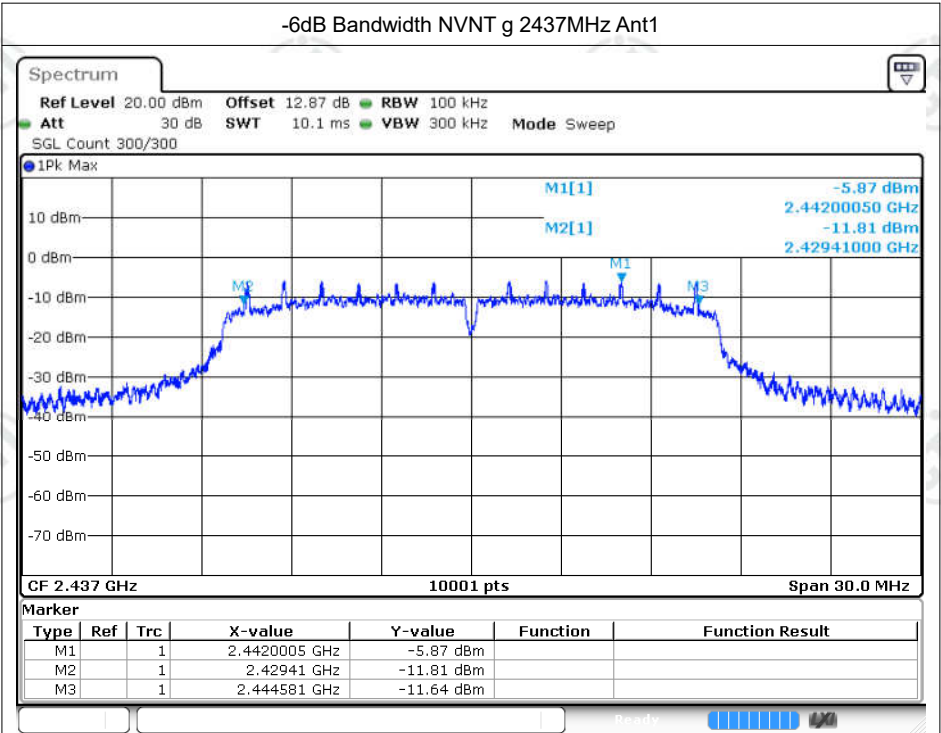
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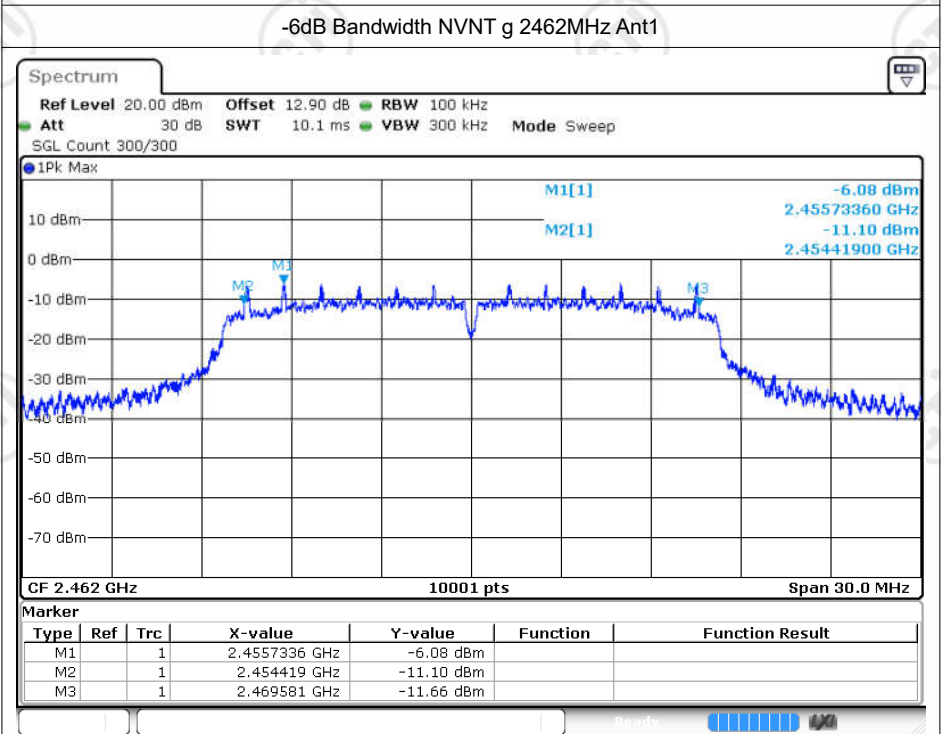
Date: 12.APR.2024 11:04:01



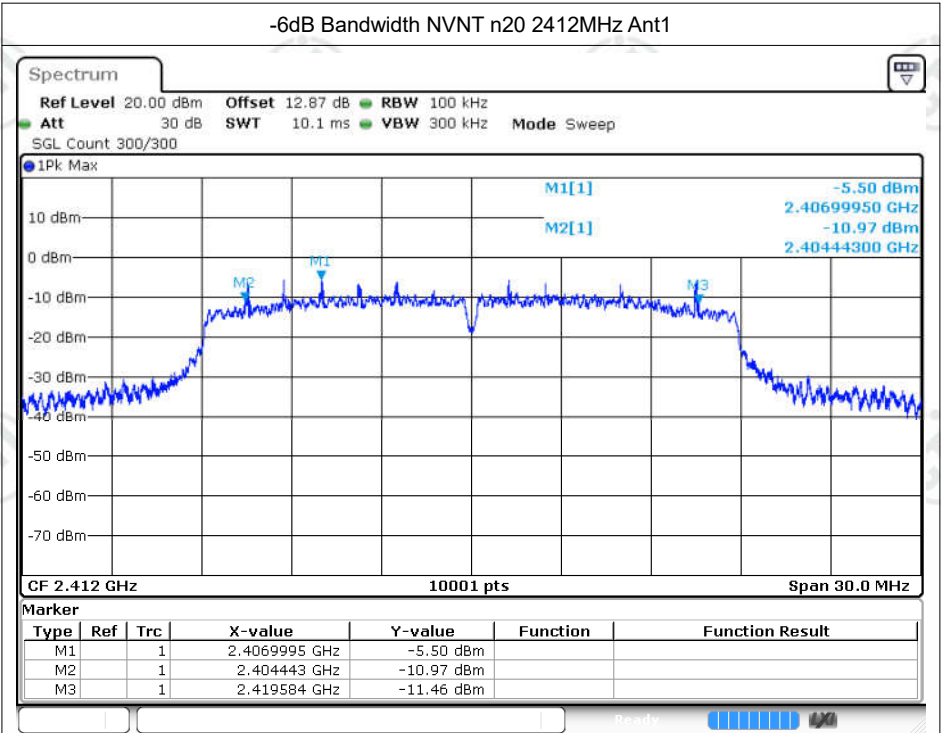
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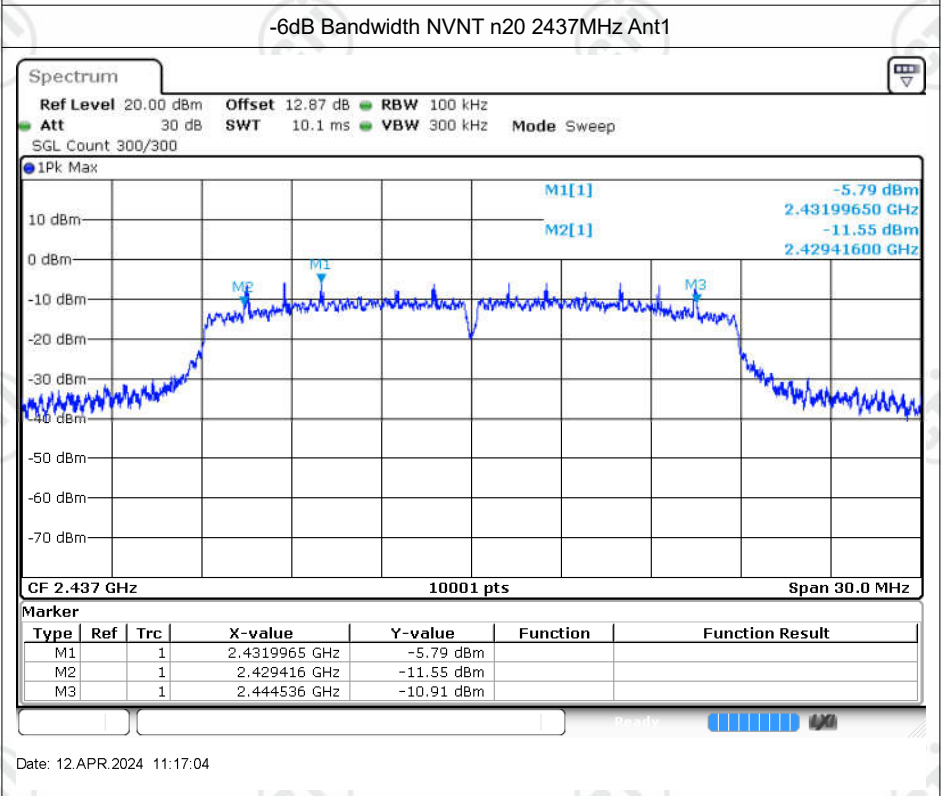
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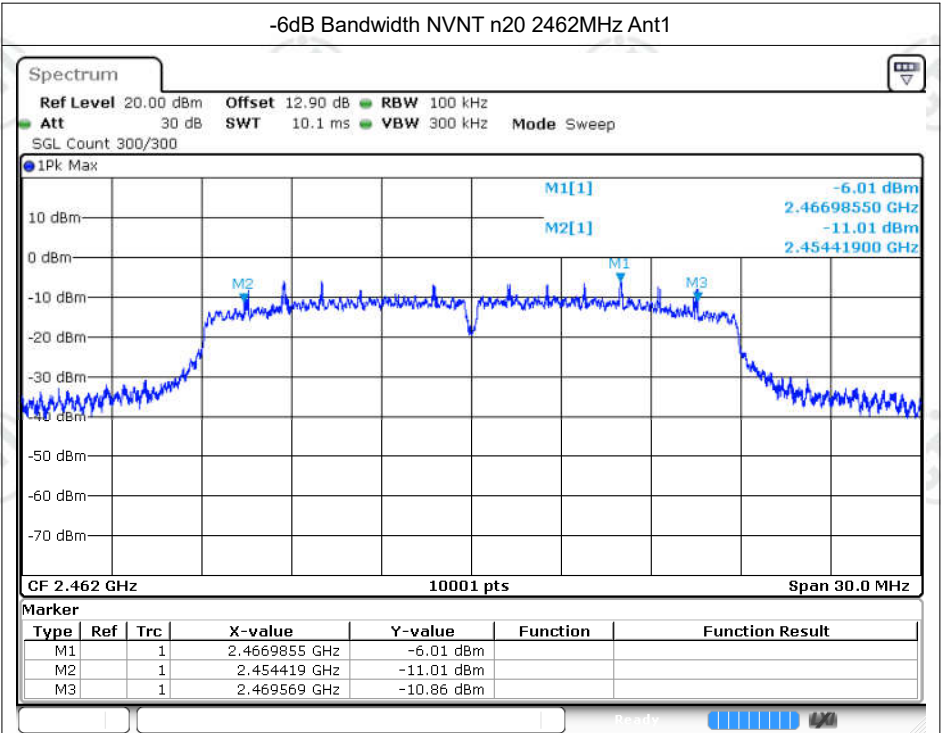
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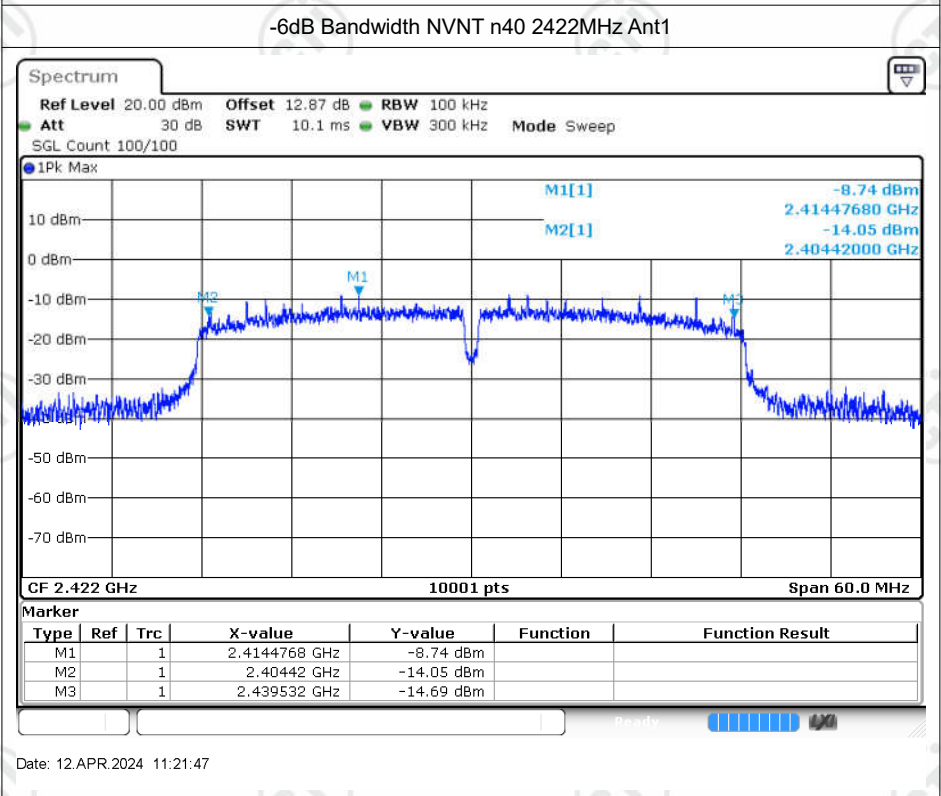
Date: 12.APR.2024 11:15:24



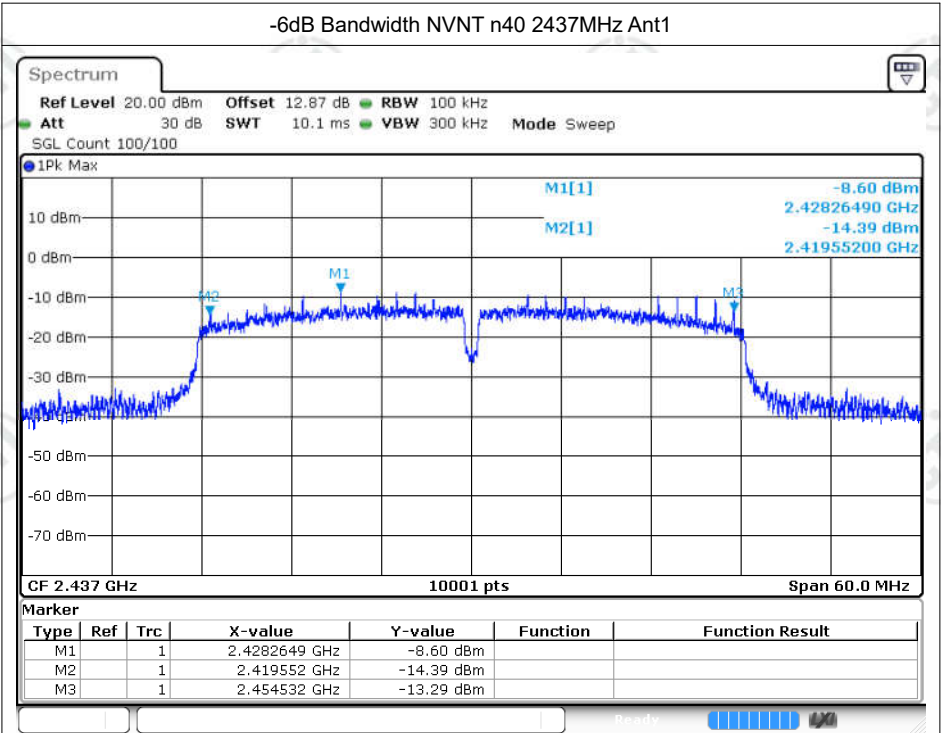
Date: 12.APR.2024 11:17:04



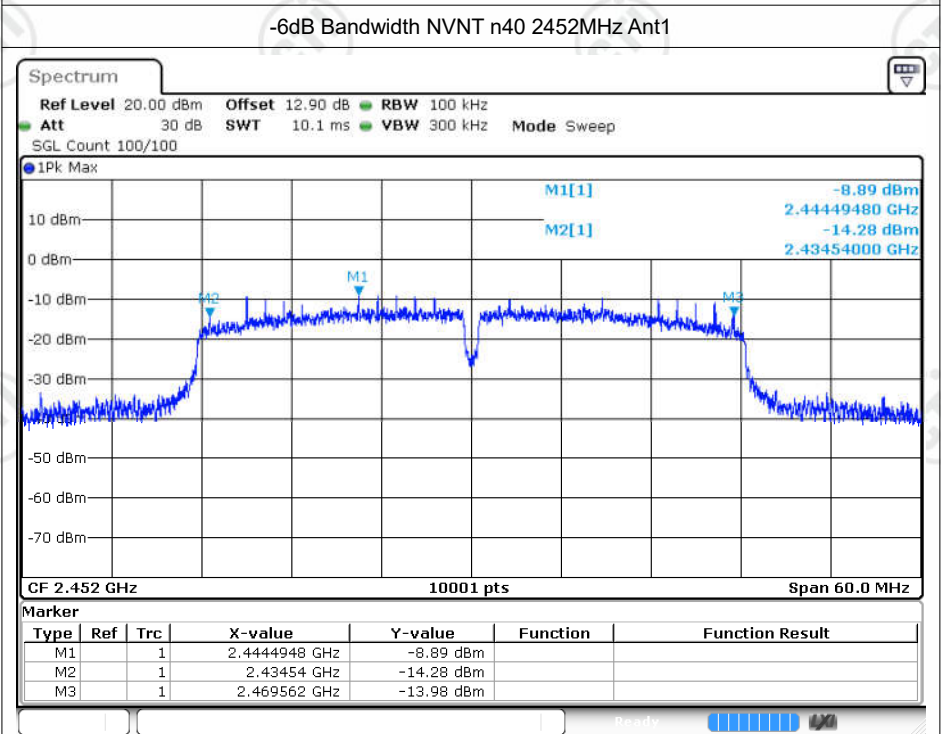
Date: 12.APR.2024 11:20:01



Date: 12.APR.2024 11:21:47



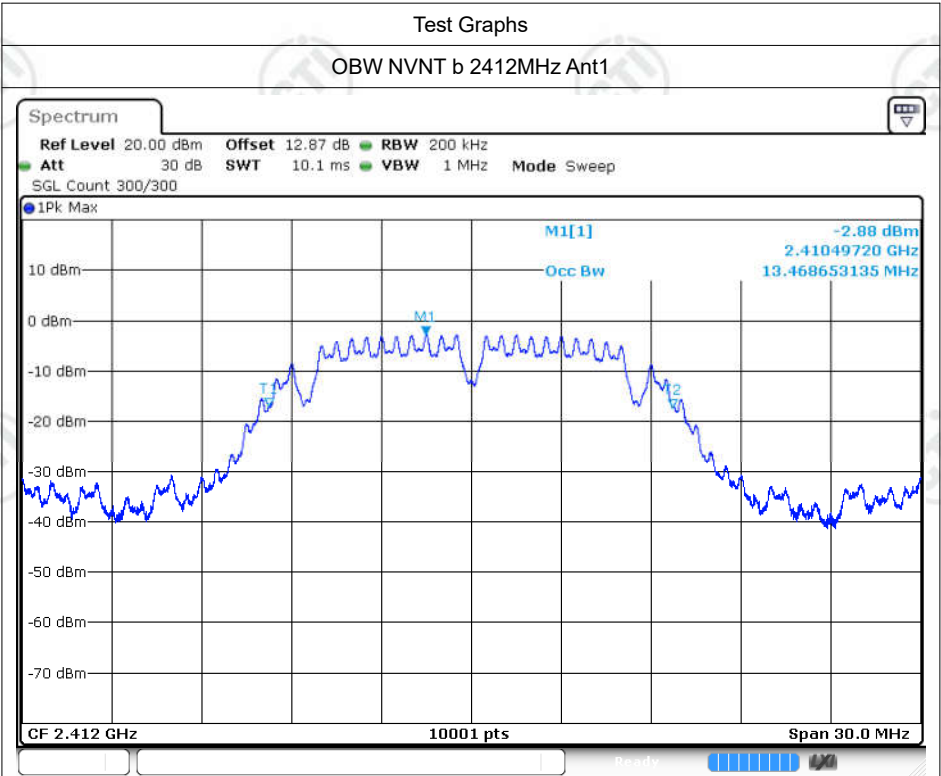
Date: 12.APR.2024 11:23:59



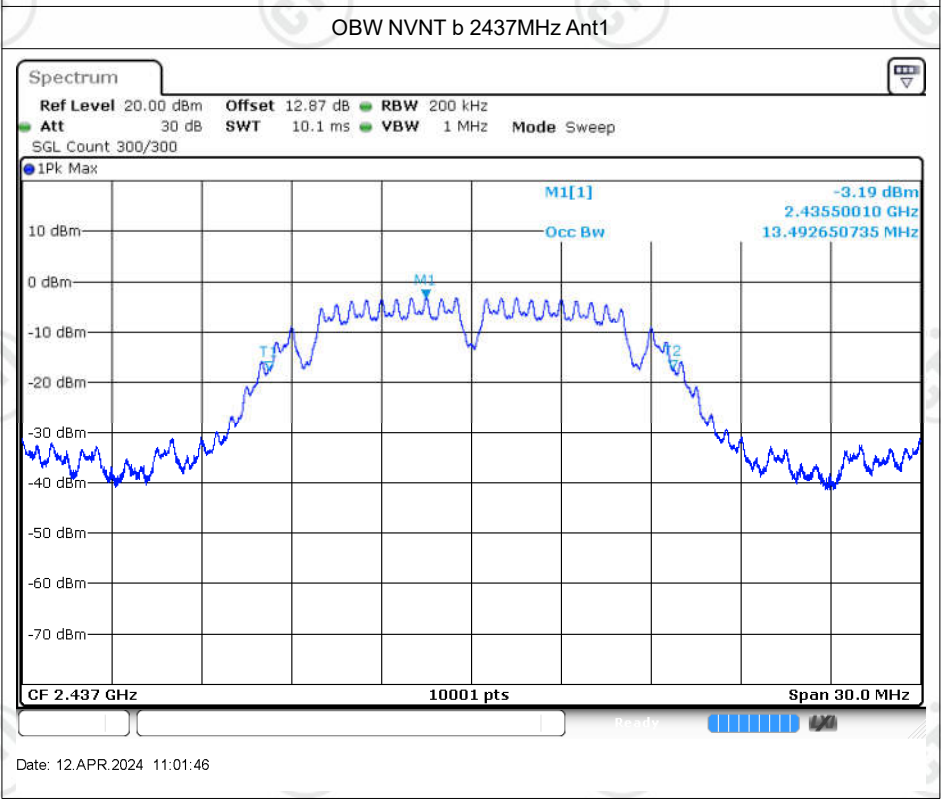
Date: 12.APR.2024 11:26:02

Occupied Channel Bandwidth

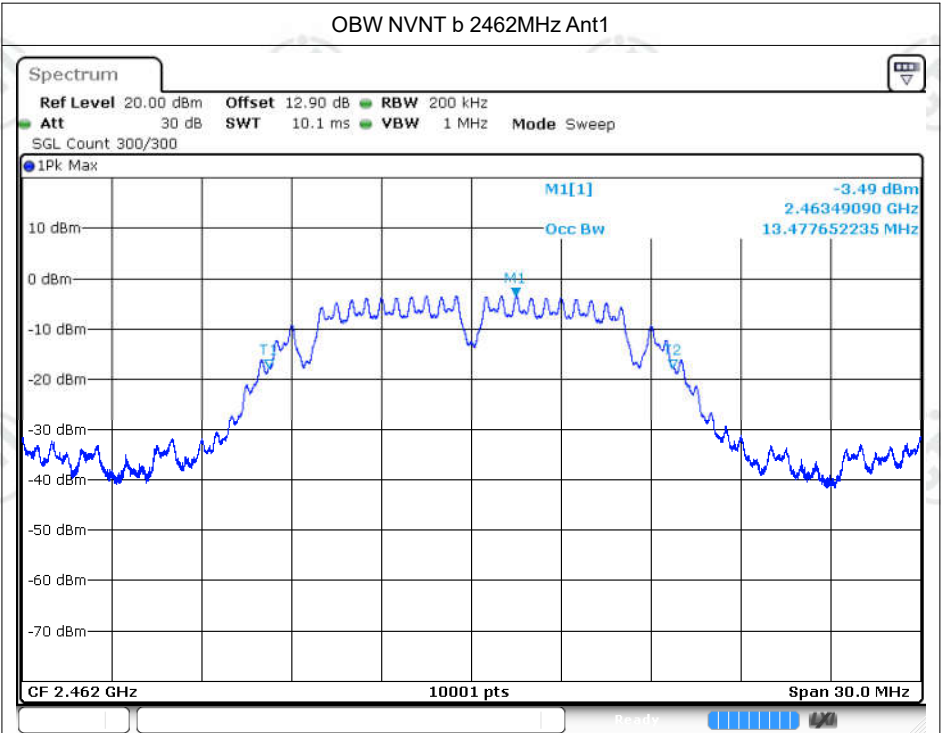
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.469
NVNT	b	2437	Ant1	13.493
NVNT	b	2462	Ant1	13.478
NVNT	g	2412	Ant1	16.732
NVNT	g	2437	Ant1	16.723
NVNT	g	2462	Ant1	16.708
NVNT	n20	2412	Ant1	17.752
NVNT	n20	2437	Ant1	17.752
NVNT	n20	2462	Ant1	17.734
NVNT	n40	2422	Ant1	36.224
NVNT	n40	2437	Ant1	36.224
NVNT	n40	2452	Ant1	36.206



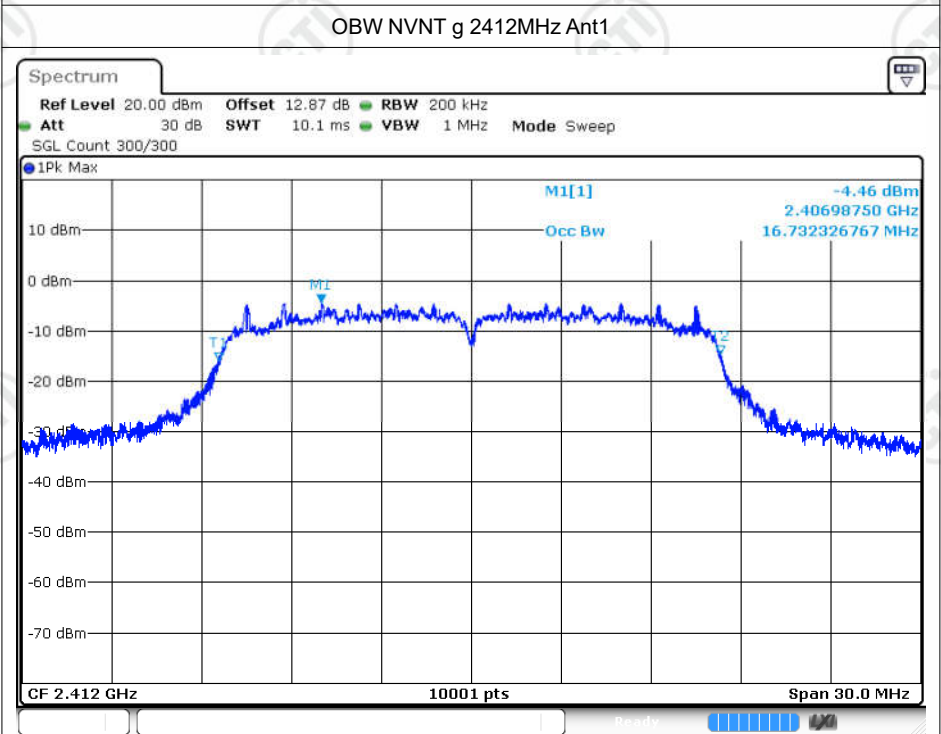
Date: 12.APR.2024 10:59:20



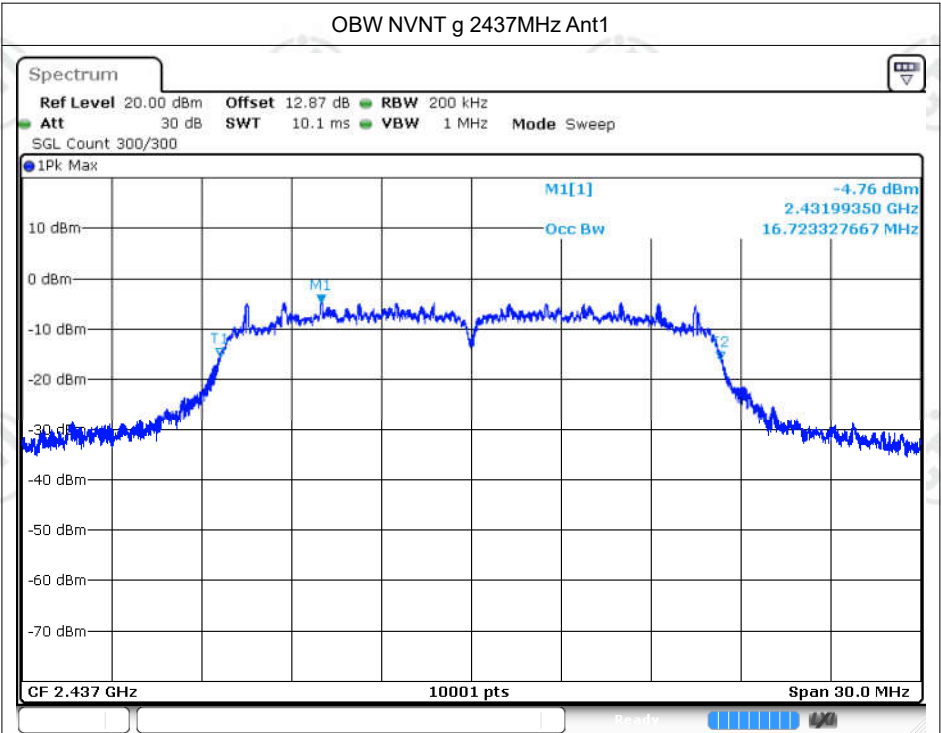
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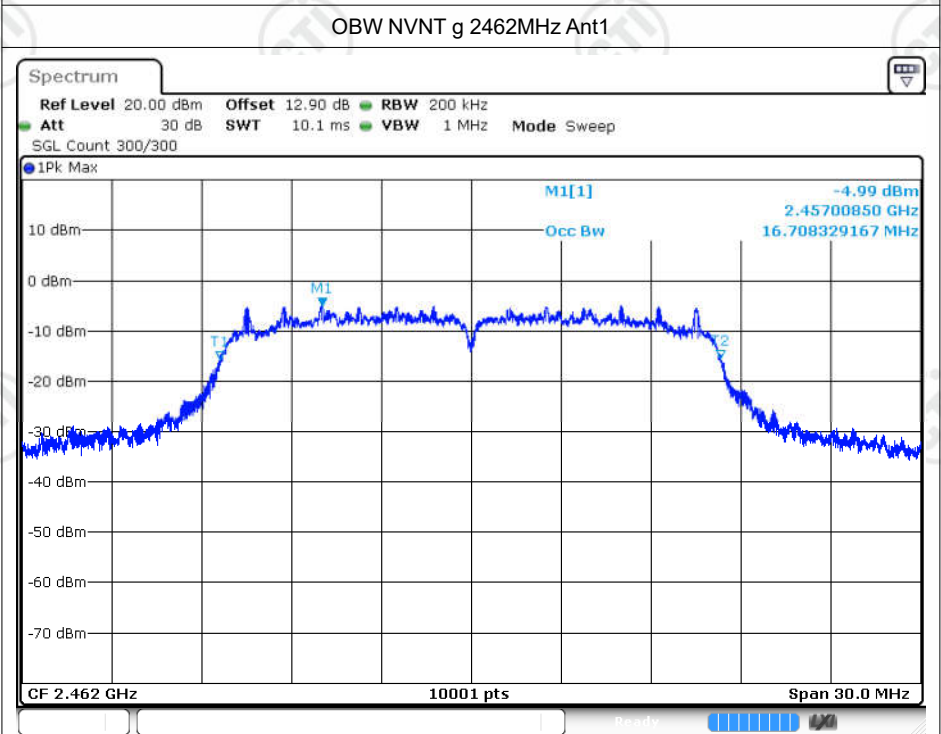
Date: 12.APR.2024 11:03:49



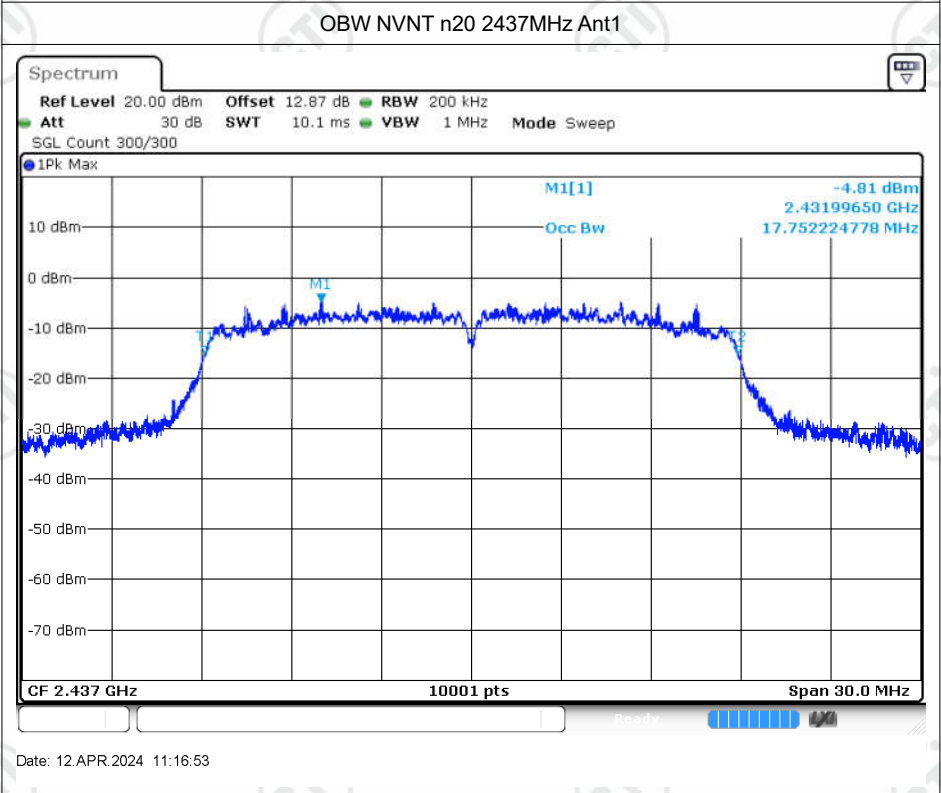
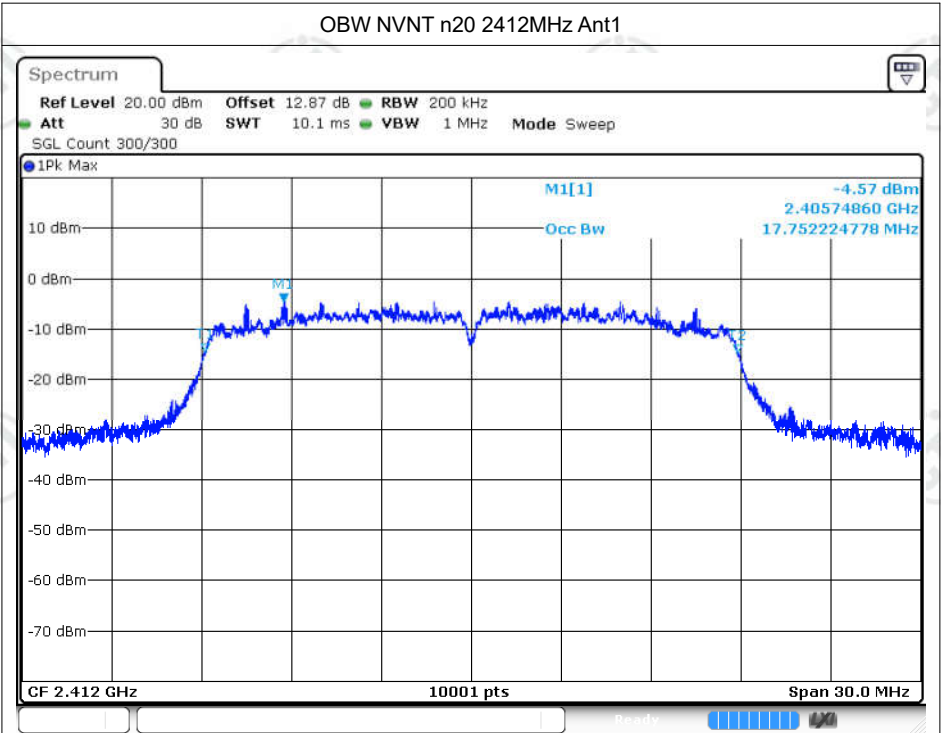
Date: 12.APR.2024 11:06:20

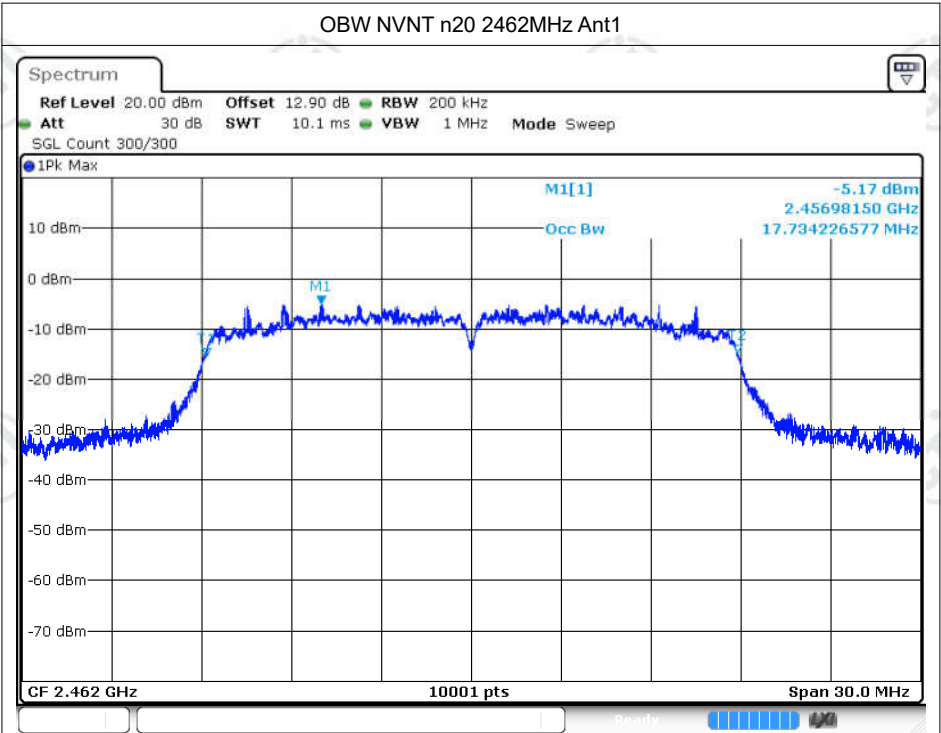


Date: 12.APR.2024 11:08:22

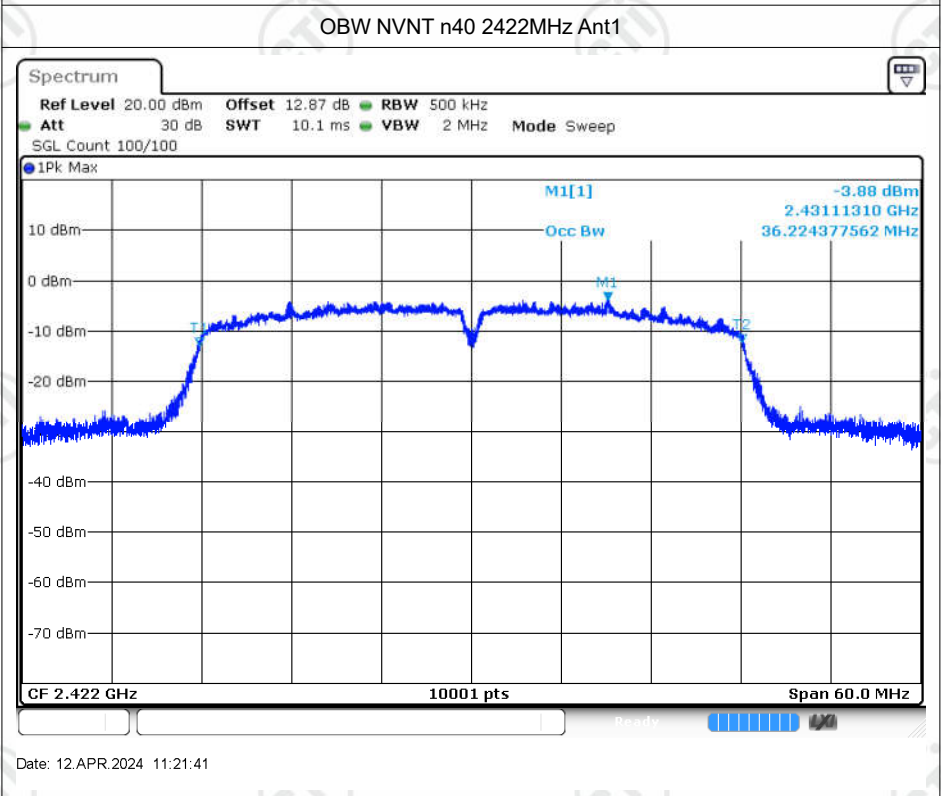


Date: 12.APR.2024 11:10:15

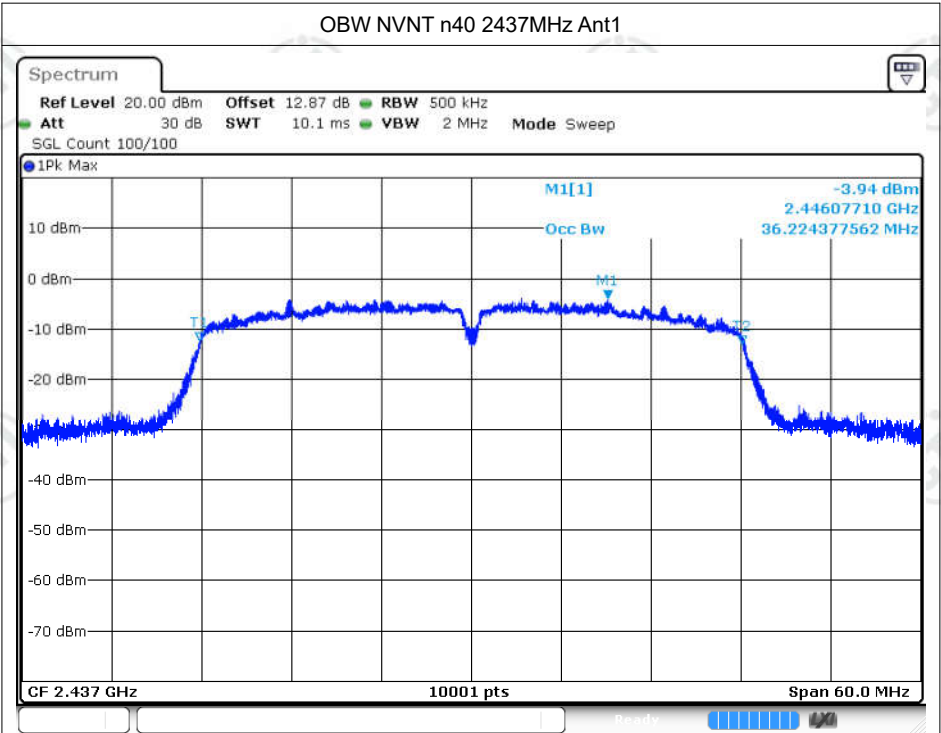




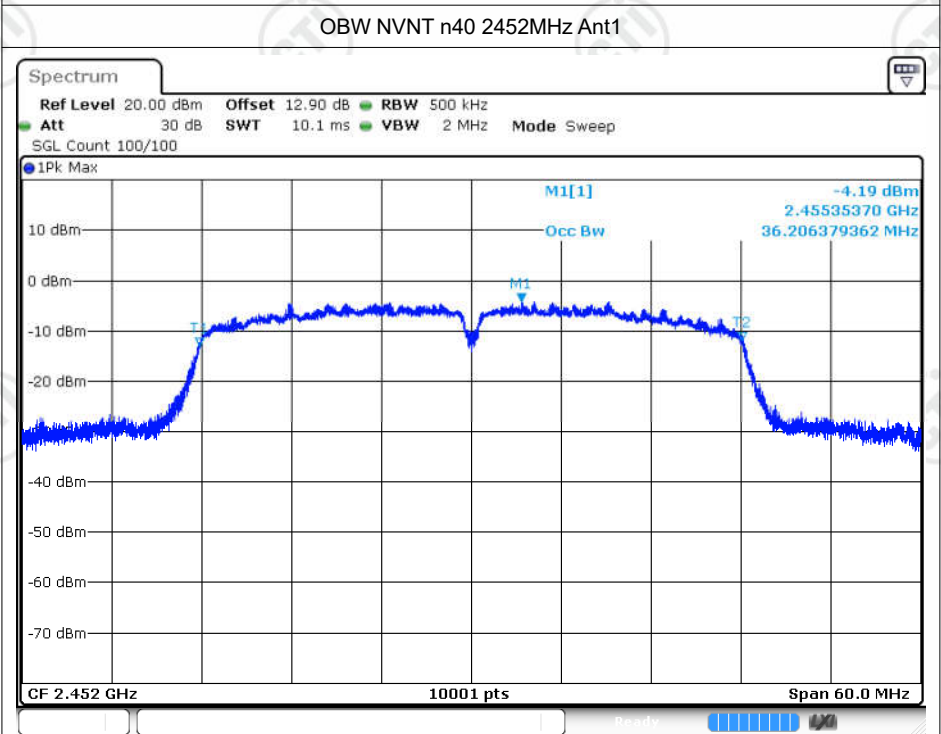
Date: 12.APR.2024 11:19:48



Date: 12.APR.2024 11:21:41



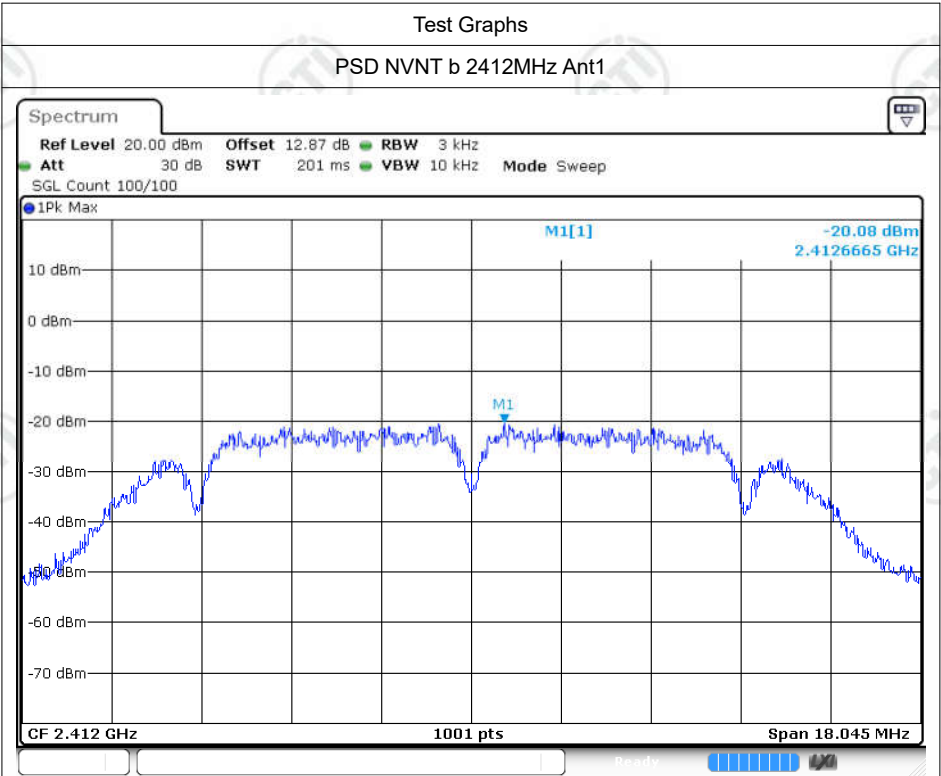
Date: 12.APR.2024 11:23:53



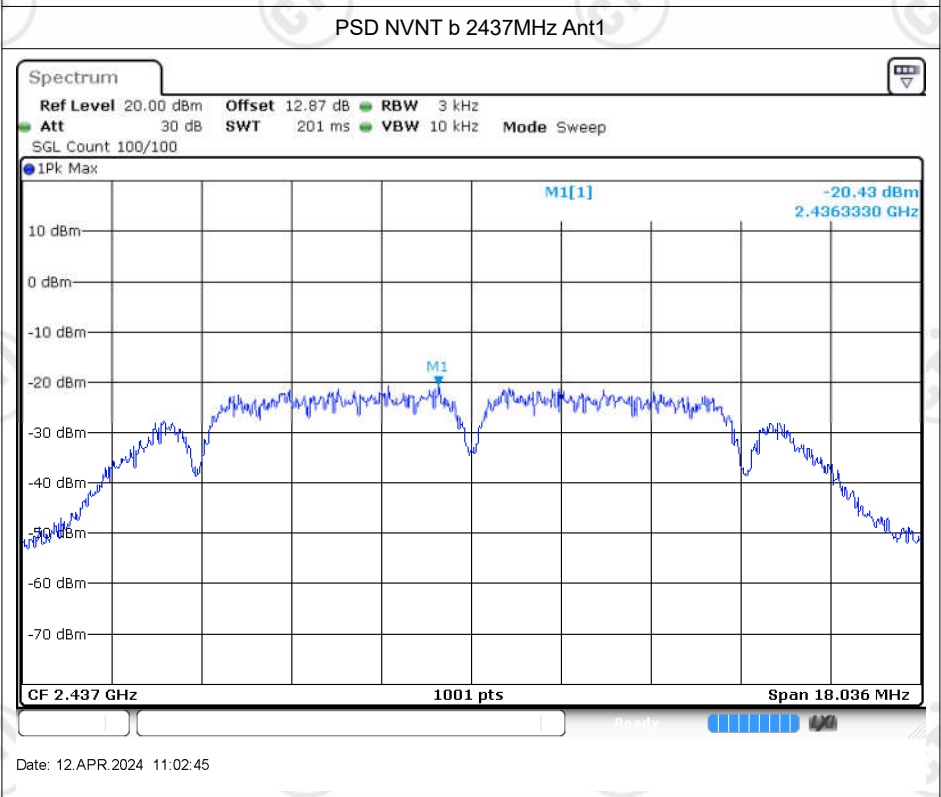
Date: 12.APR.2024 11:25:56

Maximum Power Spectral Density Level

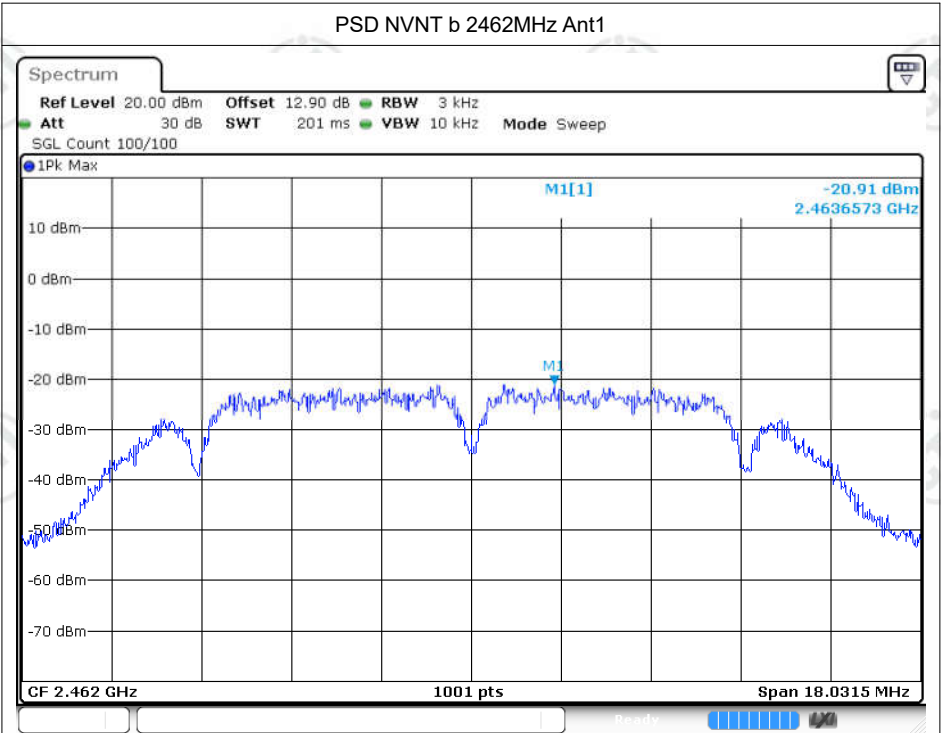
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-20.08	8	Pass
NVNT	b	2437	Ant1	-20.43	8	Pass
NVNT	b	2462	Ant1	-20.91	8	Pass
NVNT	g	2412	Ant1	-21.34	8	Pass
NVNT	g	2437	Ant1	-20.79	8	Pass
NVNT	g	2462	Ant1	-20.71	8	Pass
NVNT	n20	2412	Ant1	-20.8	8	Pass
NVNT	n20	2437	Ant1	-19.91	8	Pass
NVNT	n20	2462	Ant1	-21.24	8	Pass
NVNT	n40	2422	Ant1	-23	8	Pass
NVNT	n40	2437	Ant1	-23.46	8	Pass
NVNT	n40	2452	Ant1	-23.02	8	Pass



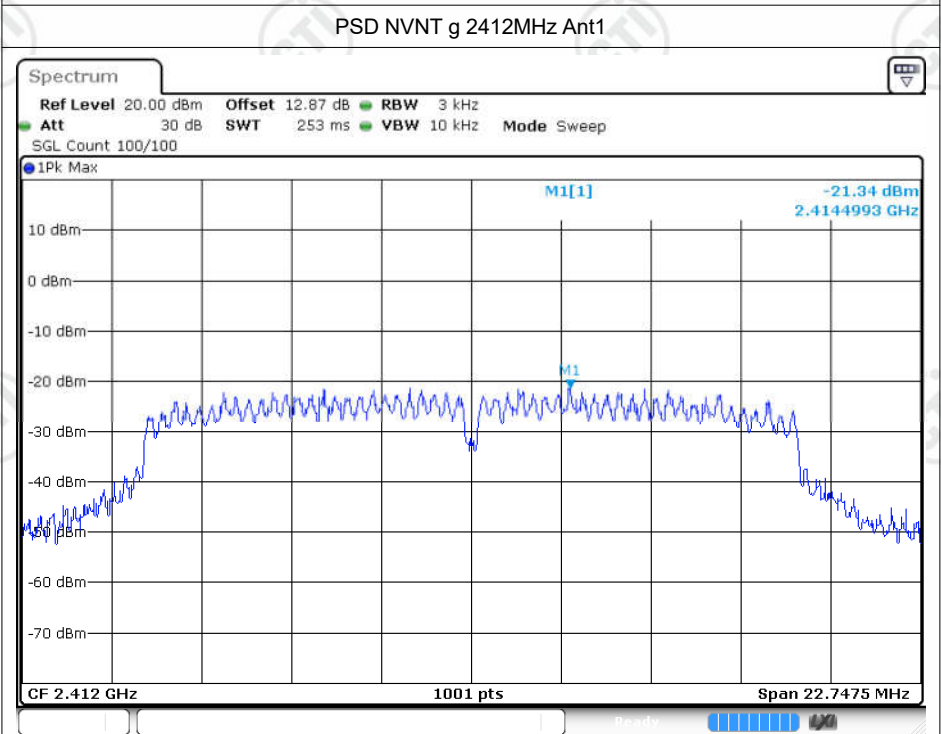
Date: 12.APR.2024 10:59:59



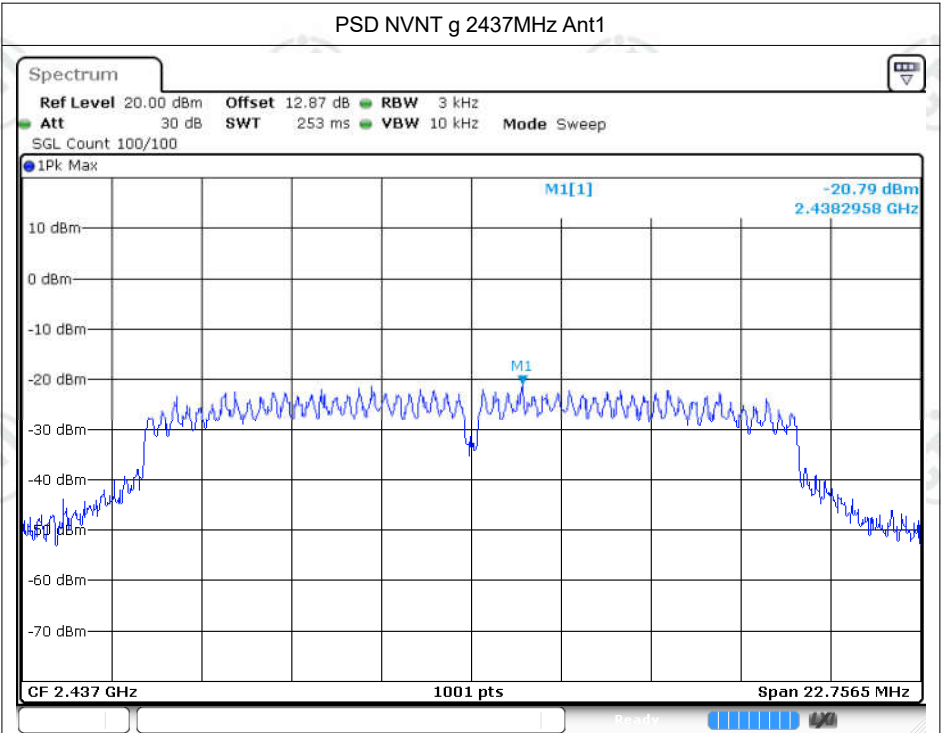
Date: 12.APR.2024 11:02:45



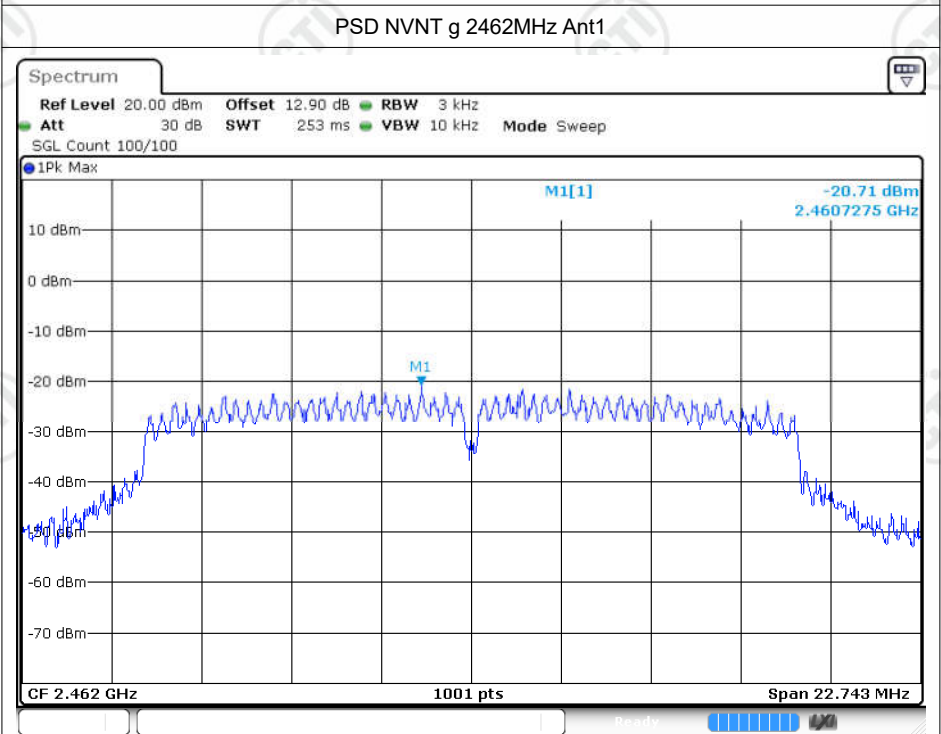
Date: 12.APR.2024 11:04:29



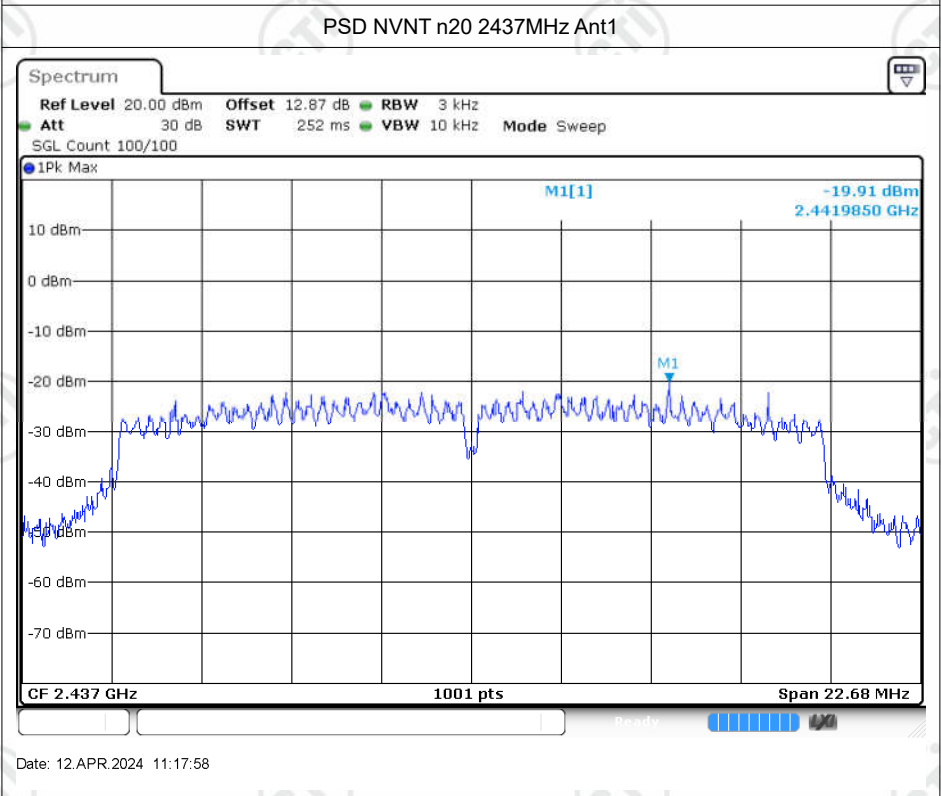
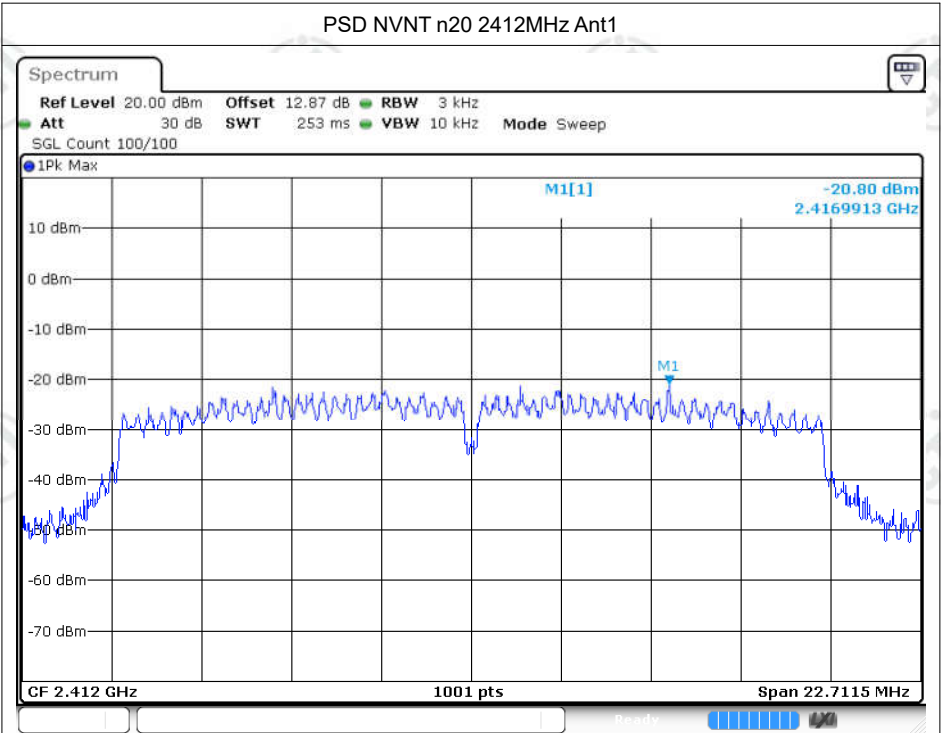
Date: 12.APR.2024 11:07:05

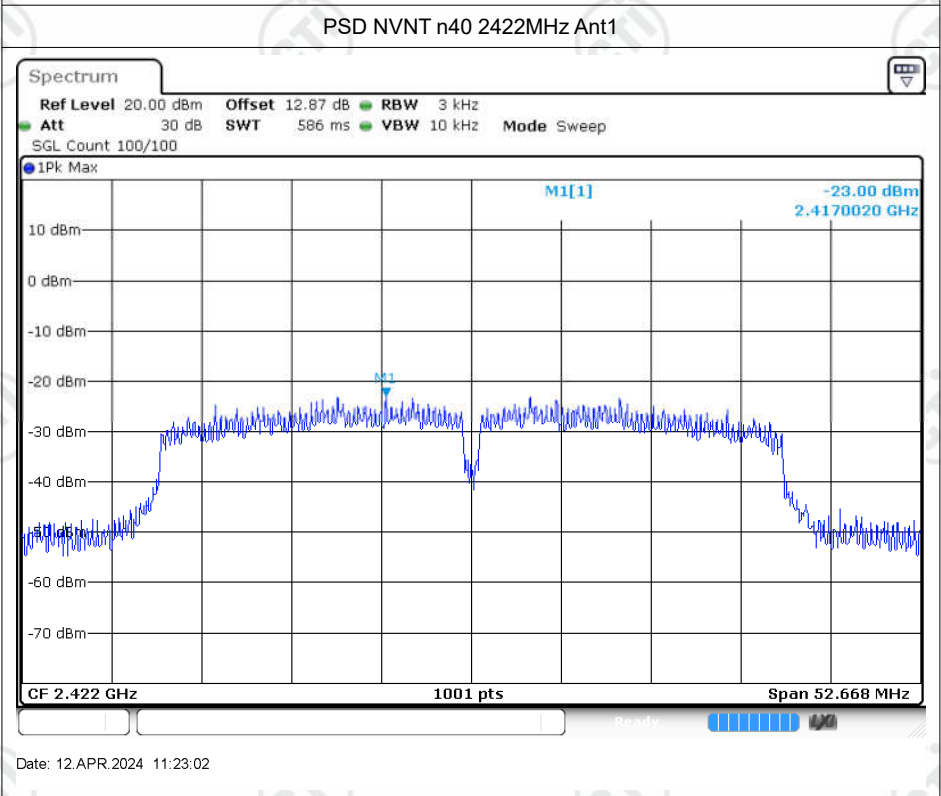
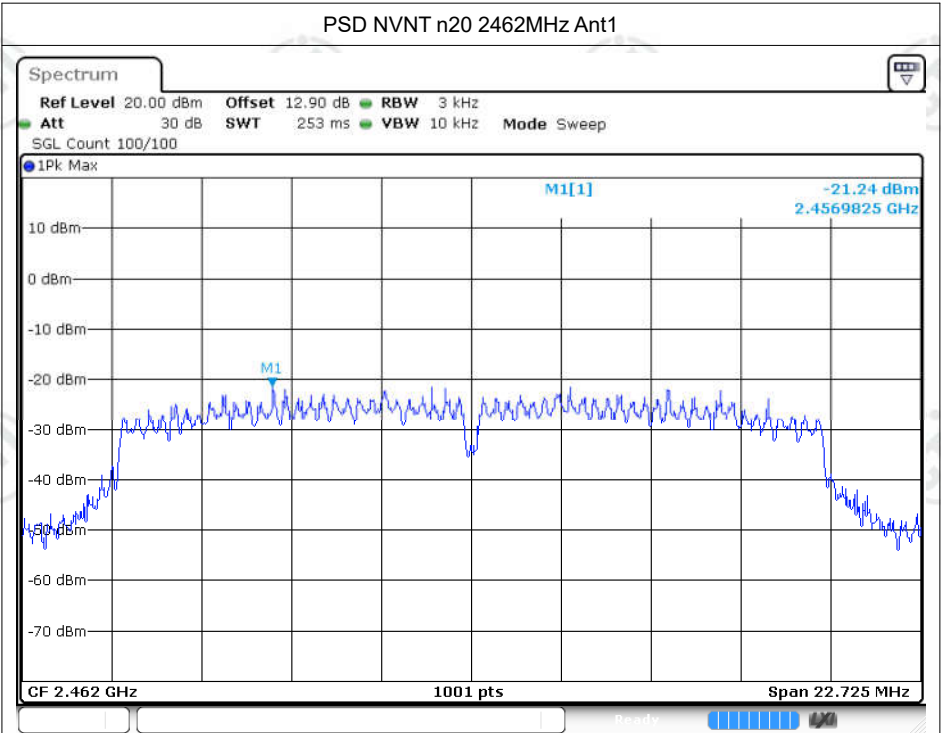


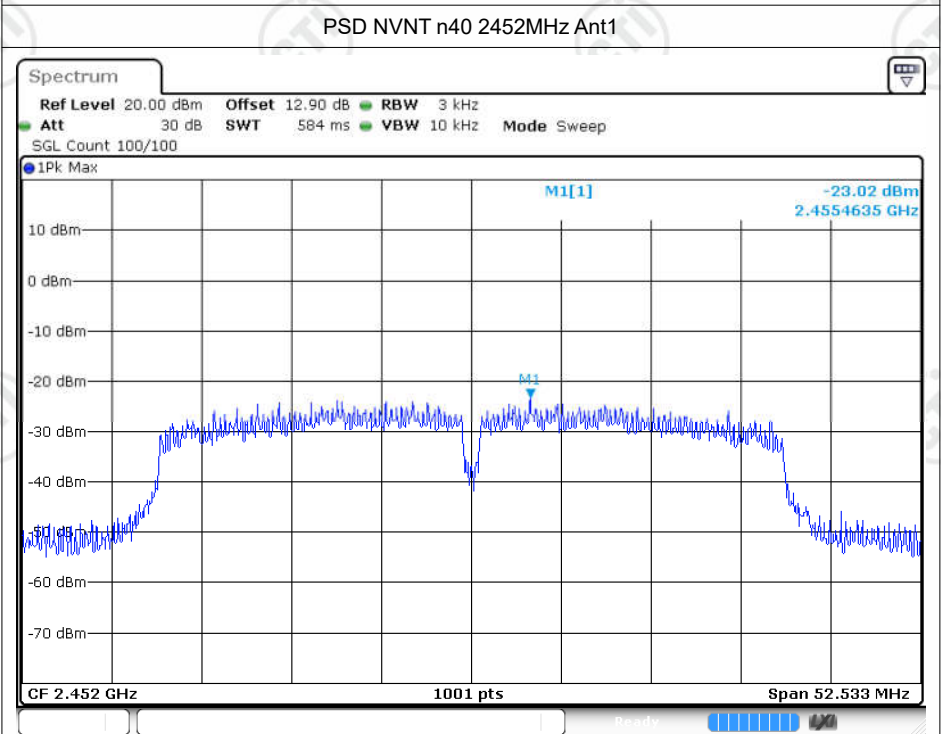
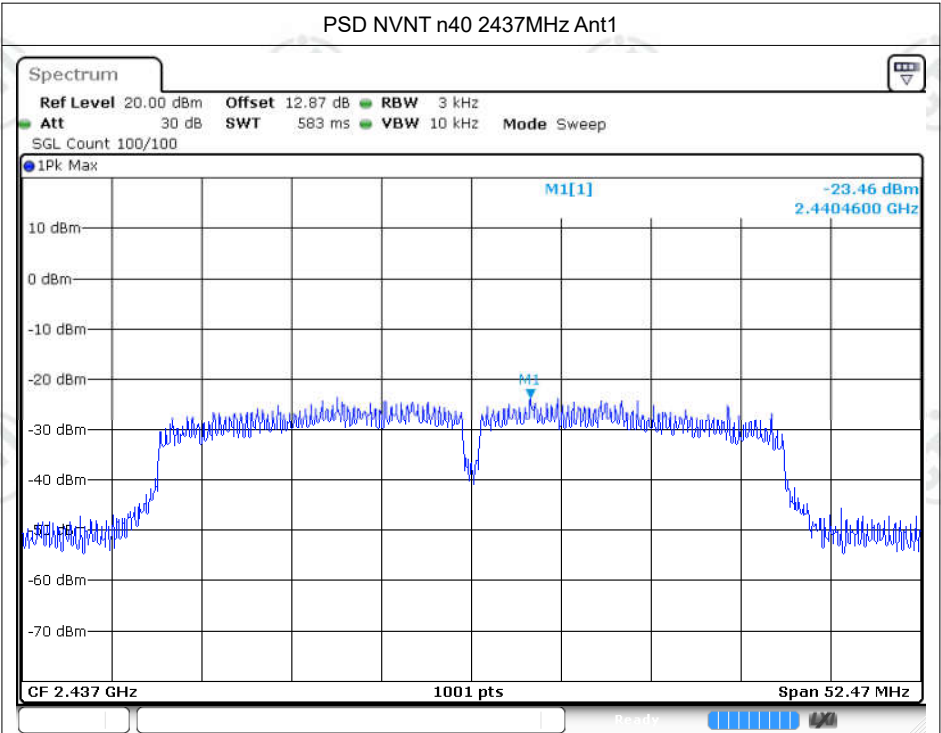
Date: 12.APR.2024 11:09:28



Date: 12.APR.2024 11:11:01

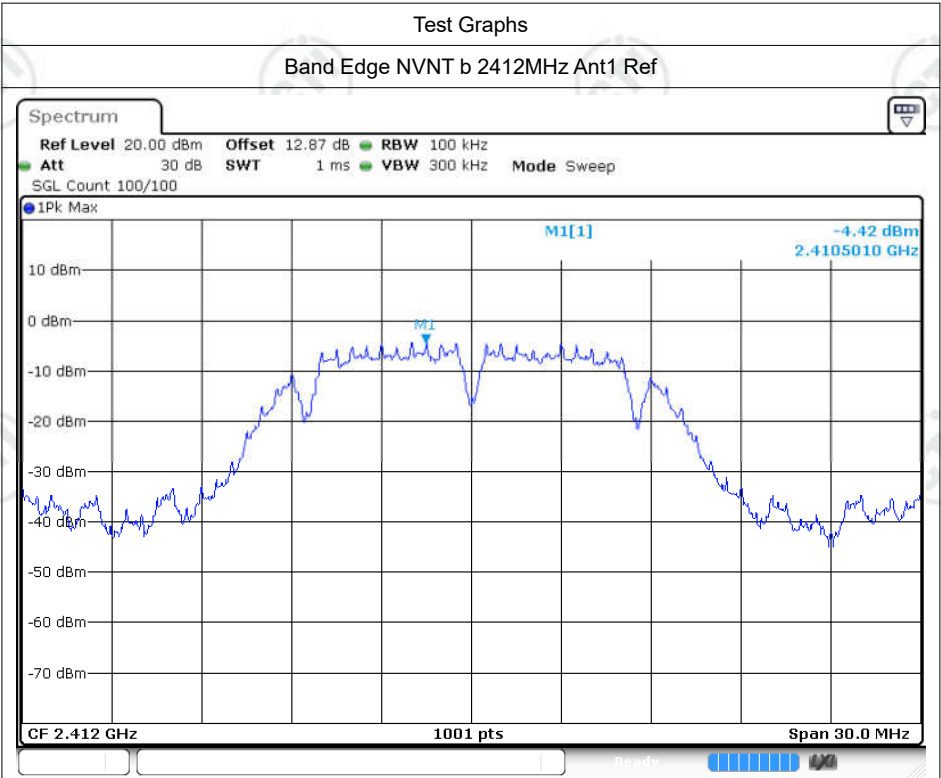




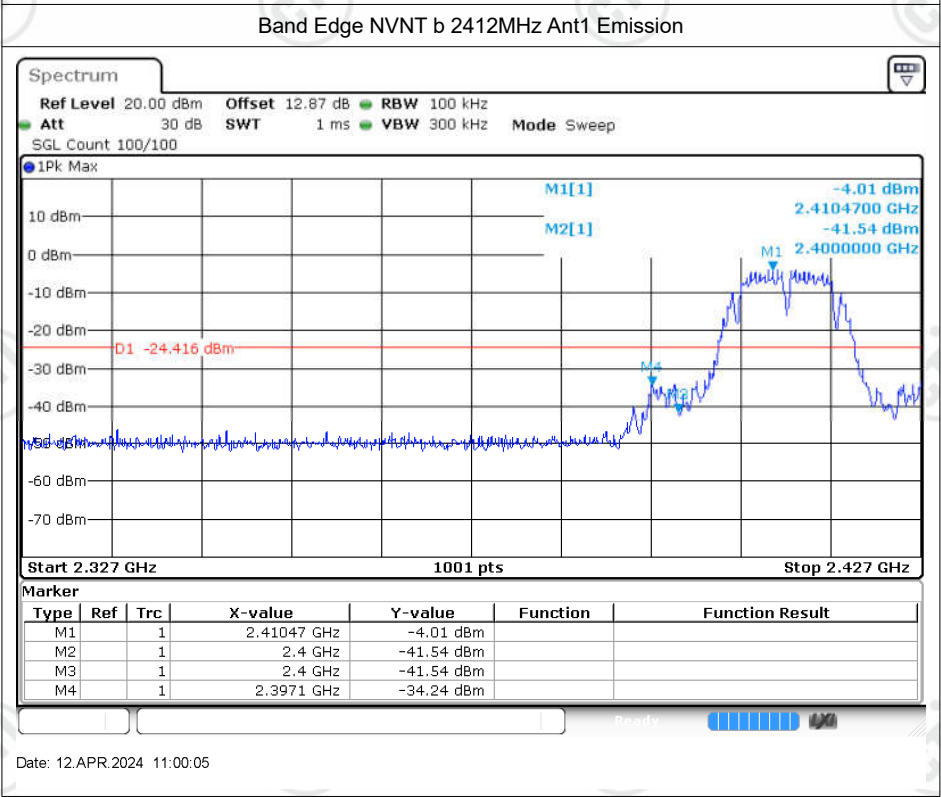


Band Edge

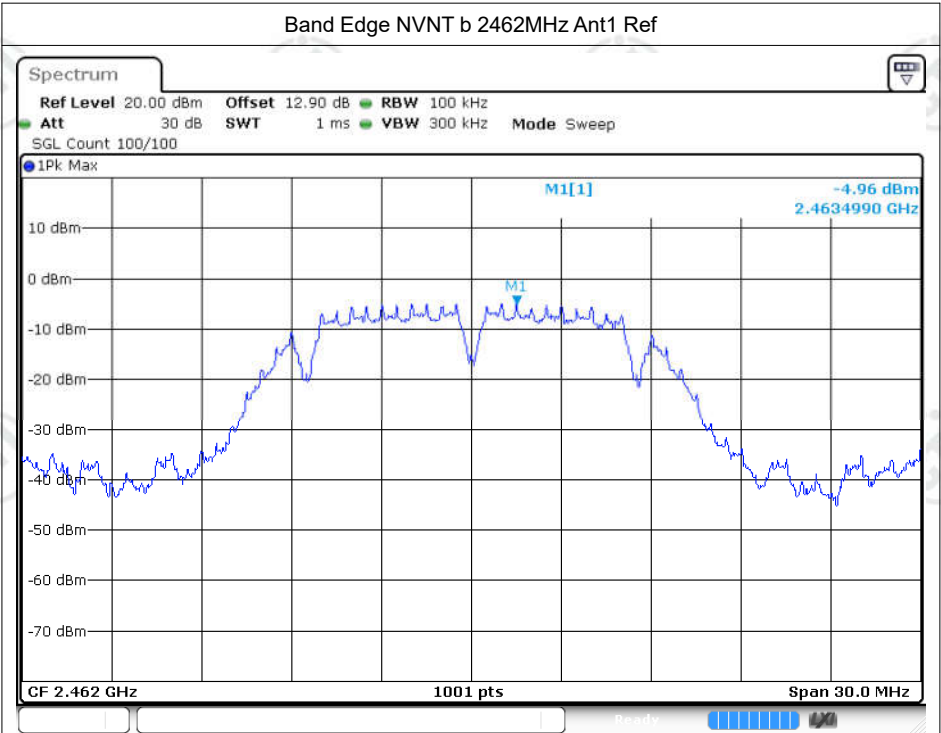
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-29.81	-20	Pass
NVNT	b	2462	Ant1	-41.89	-20	Pass
NVNT	g	2412	Ant1	-27.95	-20	Pass
NVNT	g	2462	Ant1	-39.59	-20	Pass
NVNT	n20	2412	Ant1	-26.45	-20	Pass
NVNT	n20	2462	Ant1	-35.49	-20	Pass
NVNT	n40	2422	Ant1	-25.02	-20	Pass
NVNT	n40	2452	Ant1	-27.07	-20	Pass



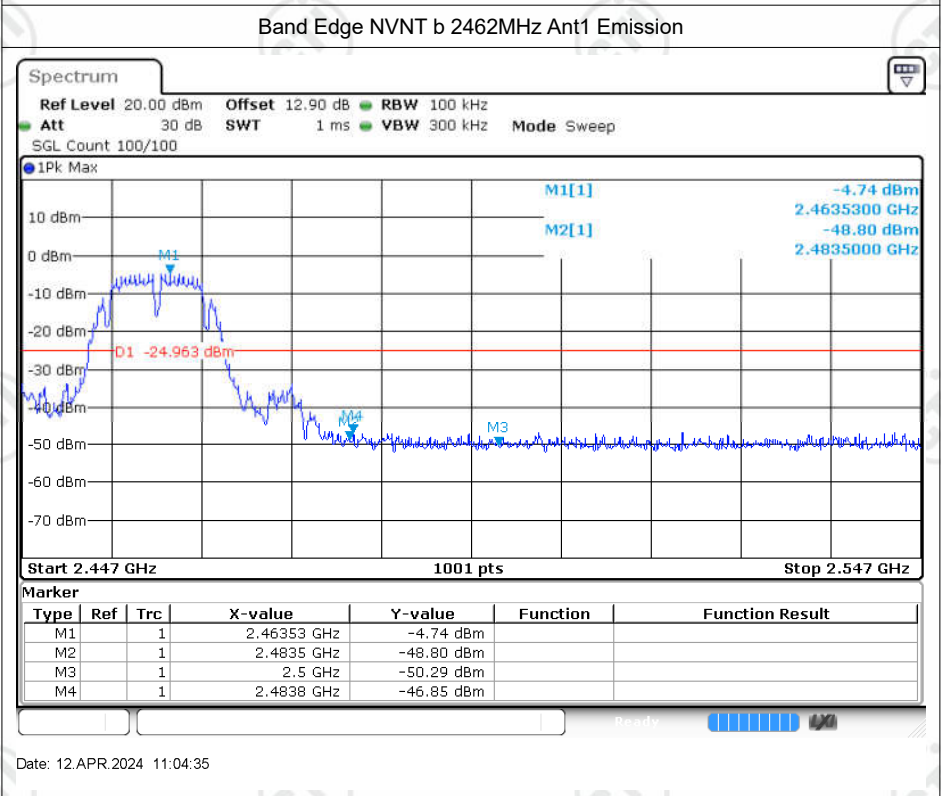
Date: 12.APR.2024 11:00:03



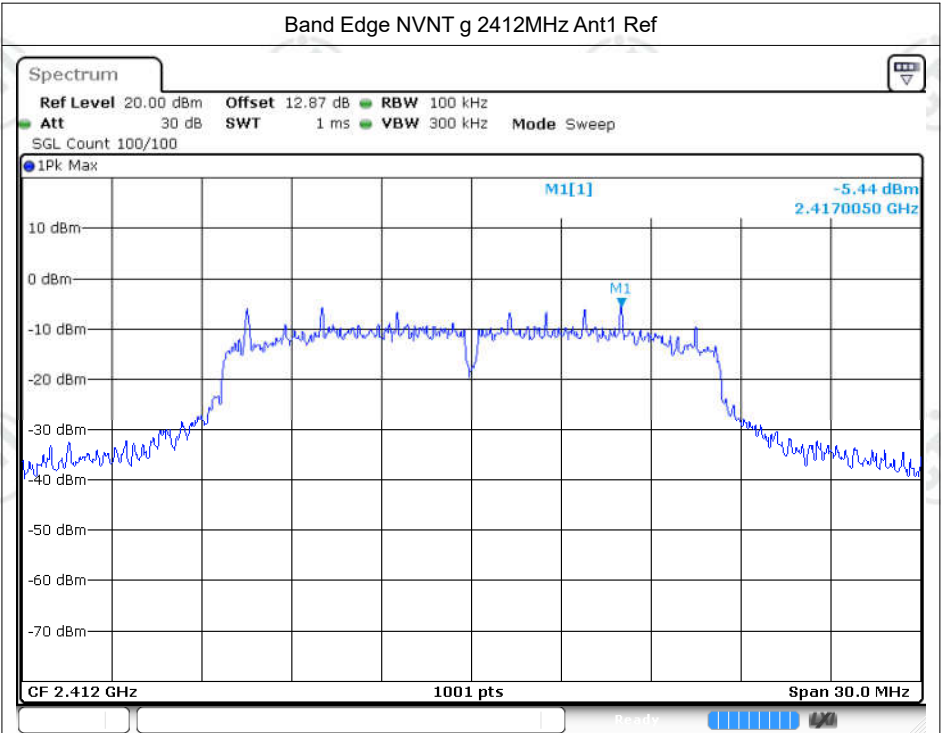
Date: 12.APR.2024 11:00:05



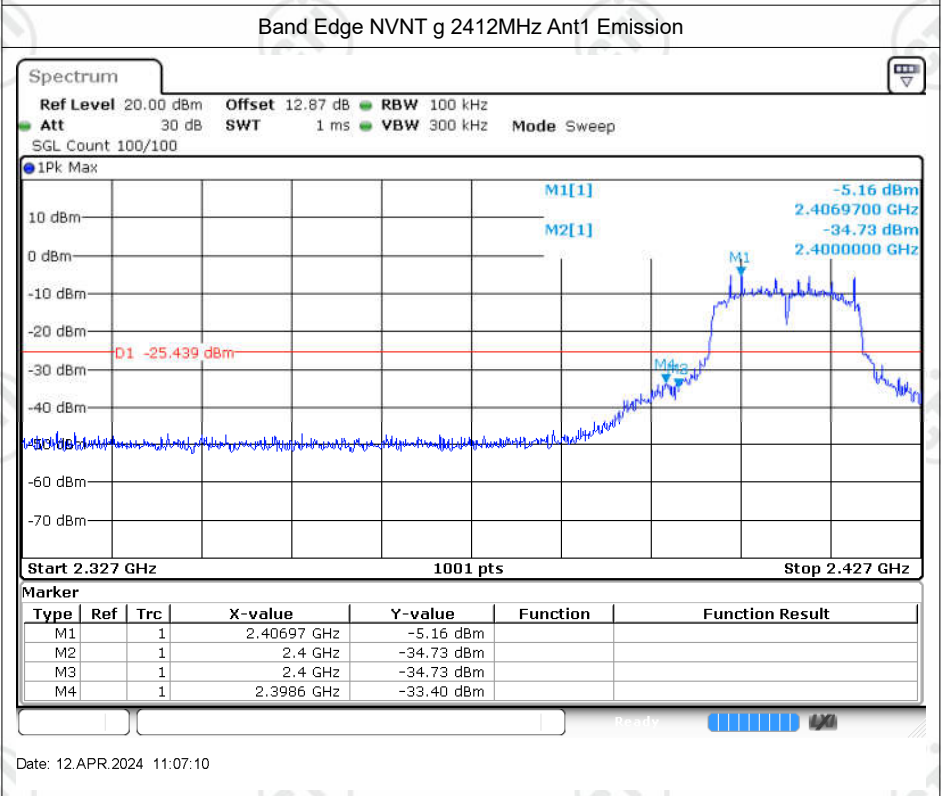
Date: 12.APR.2024 11:04:33



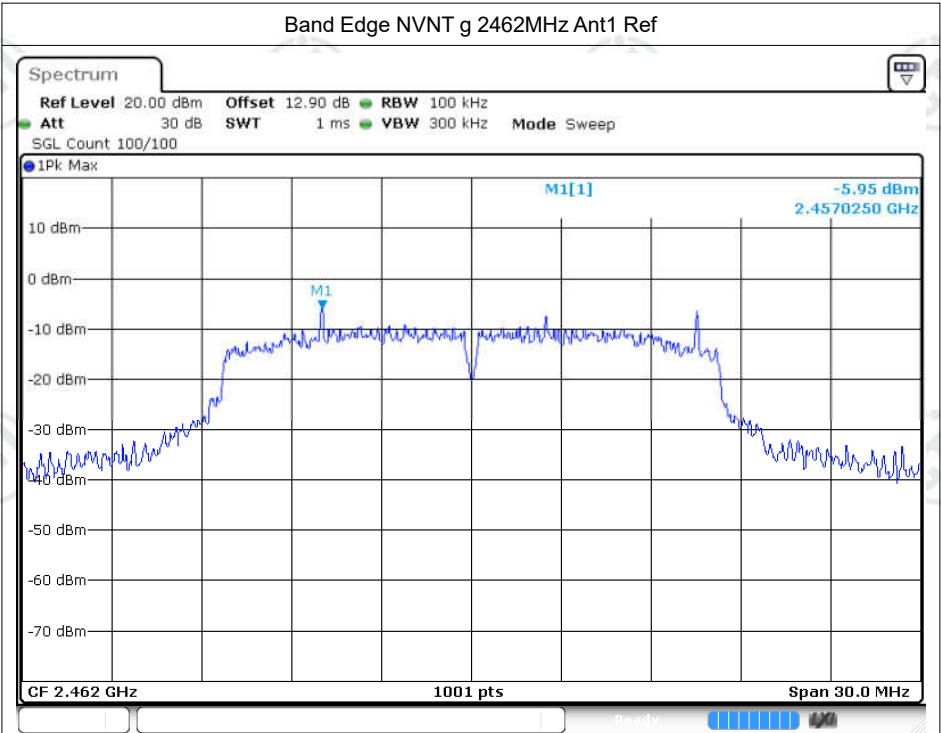
Date: 12.APR.2024 11:04:35



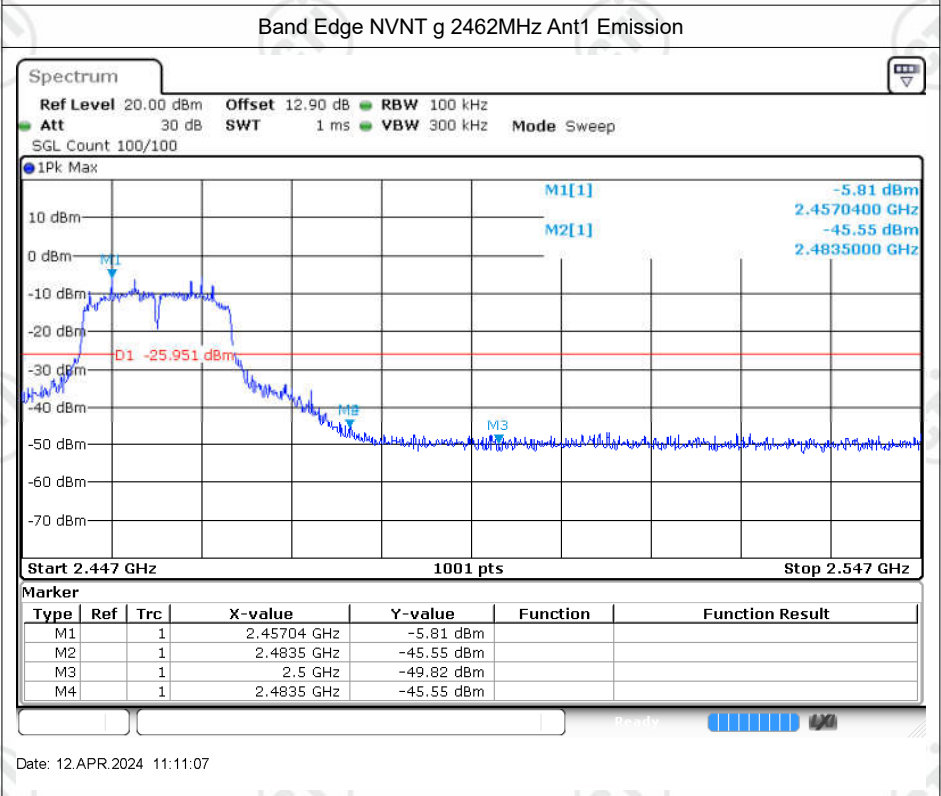
Date: 12.APR.2024 11:07:09



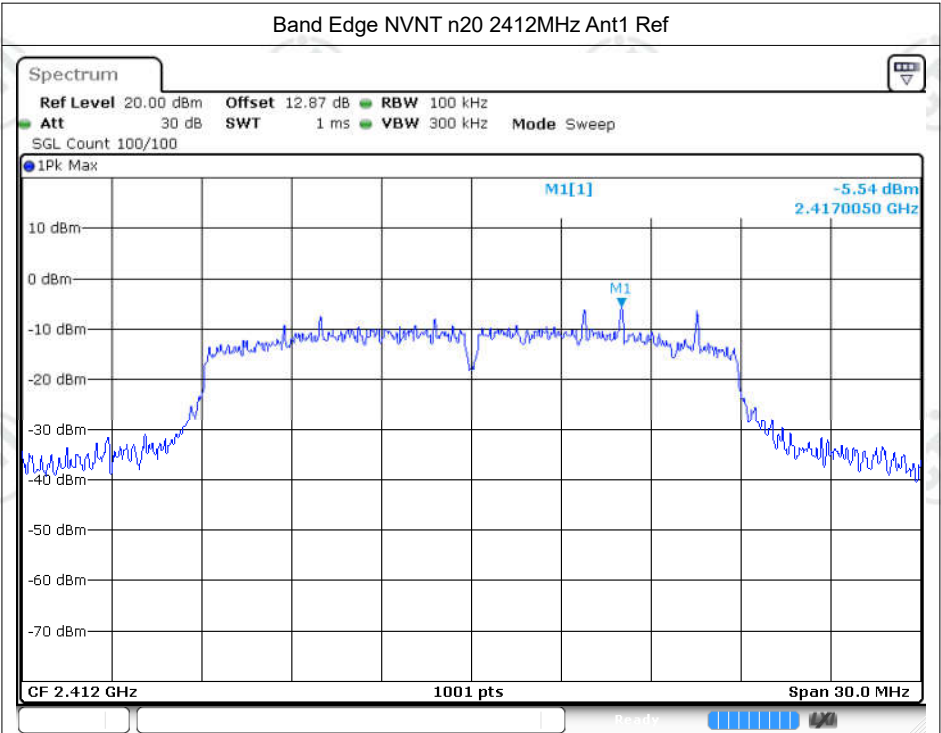
Date: 12.APR.2024 11:07:10



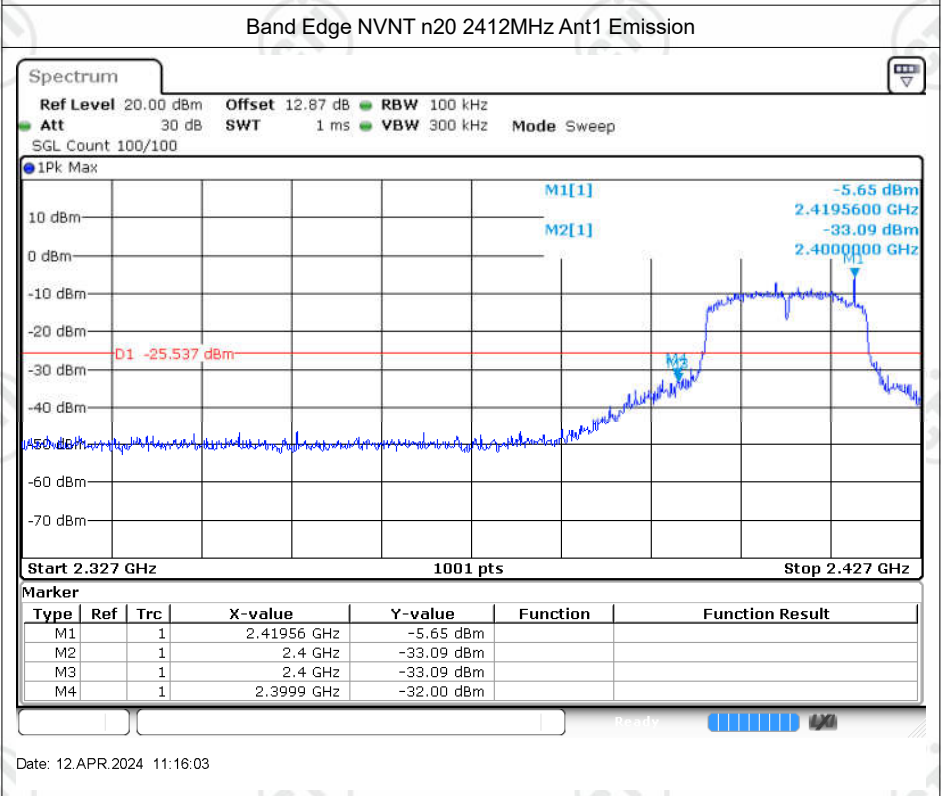
Date: 12.APR.2024 11:11:05



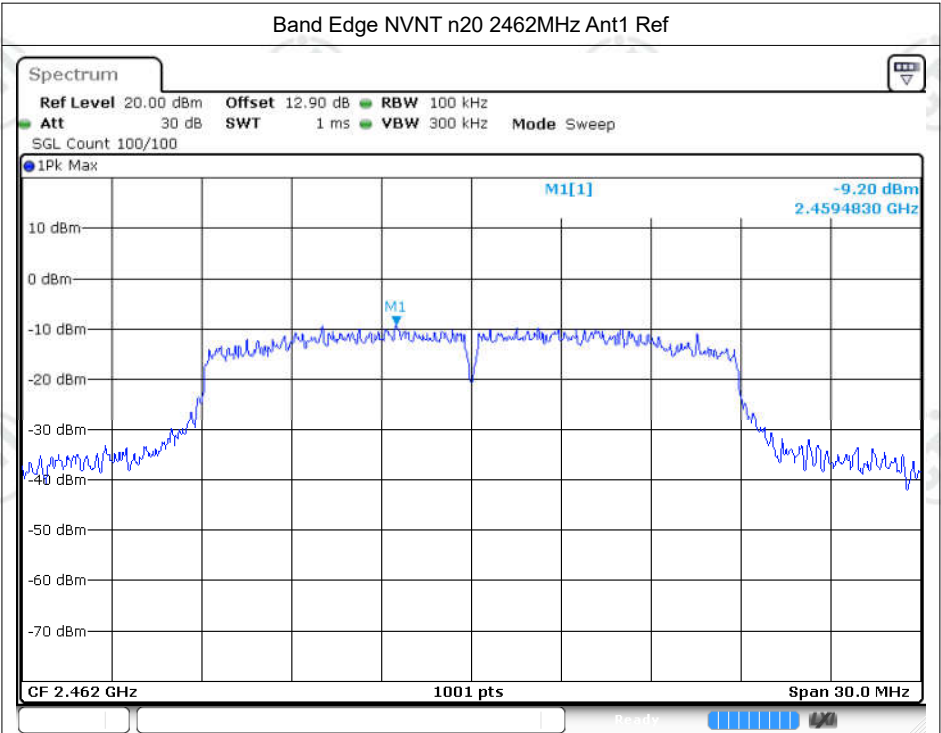
Date: 12.APR.2024 11:11:07



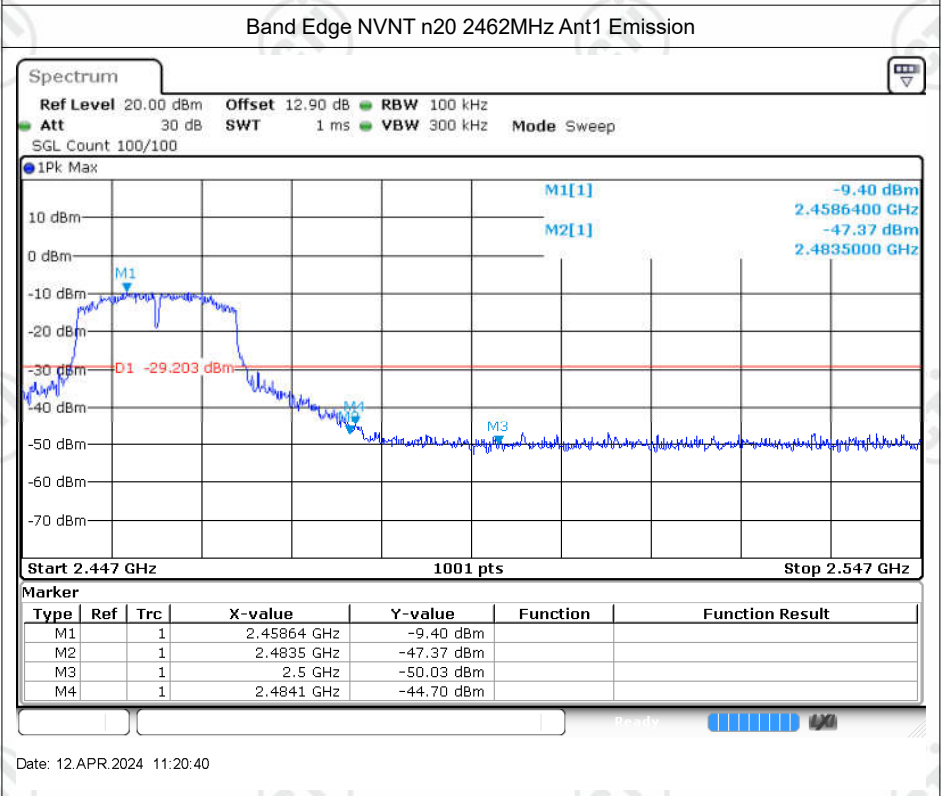
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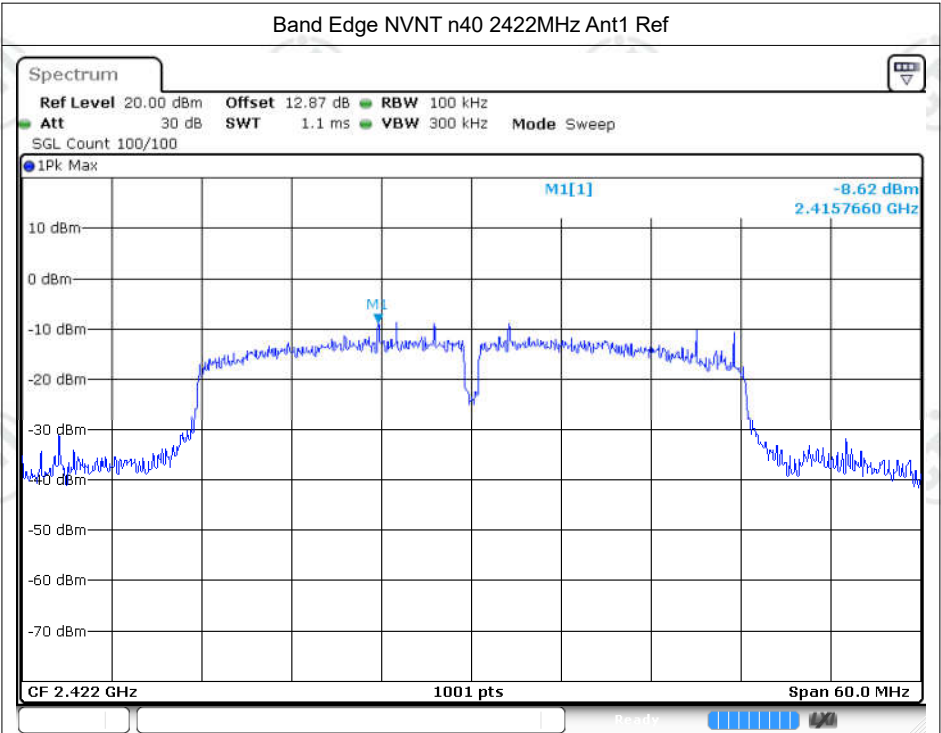
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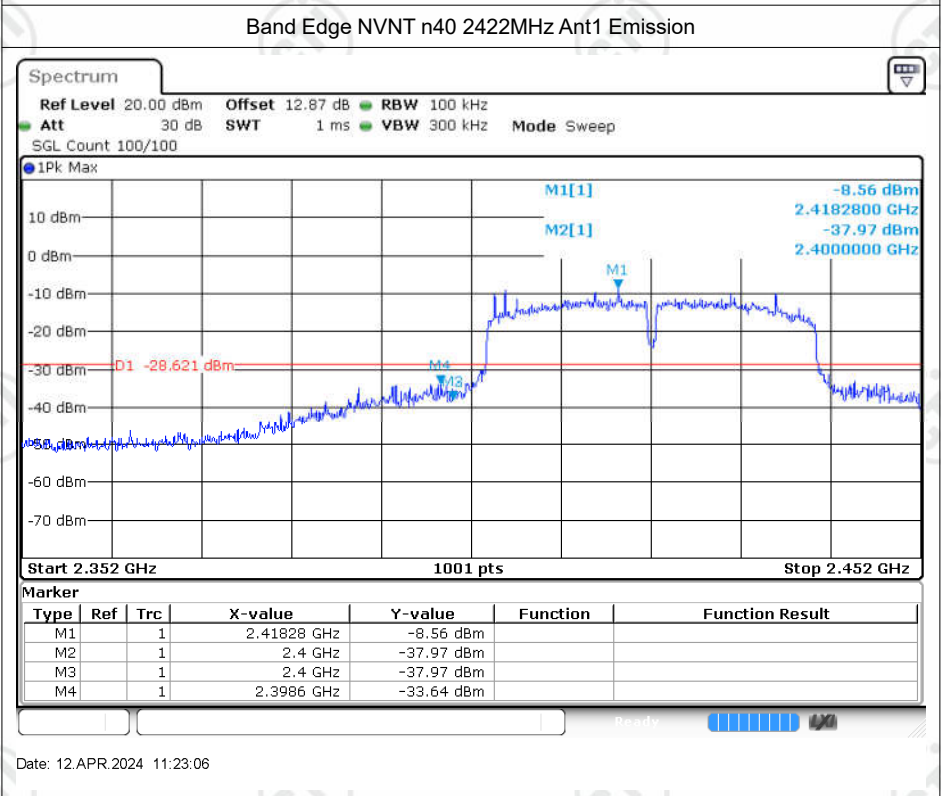
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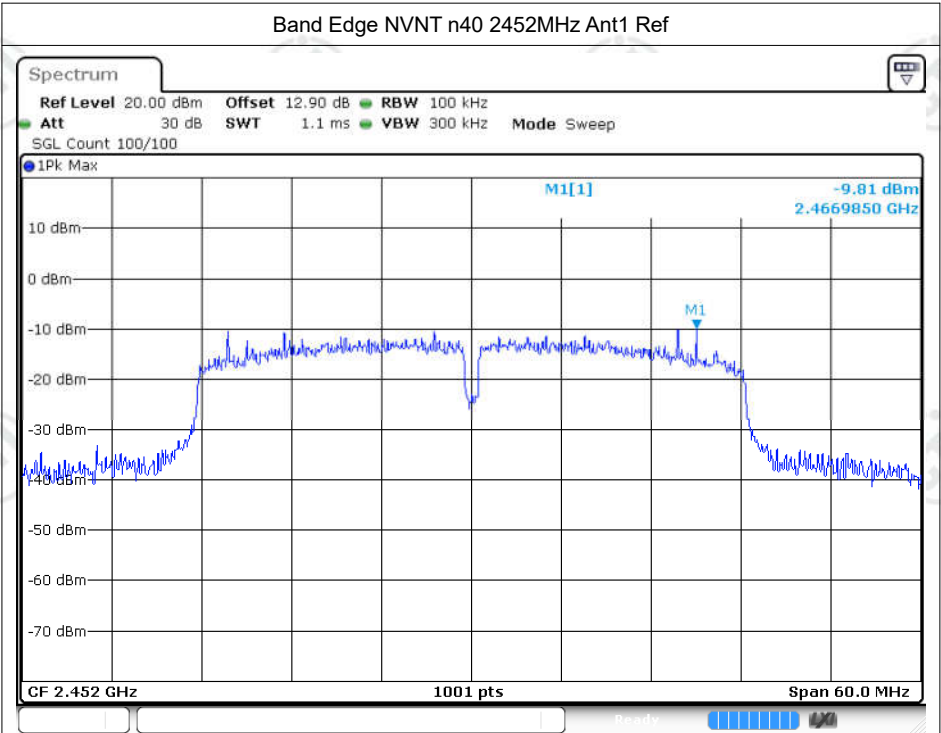


Date: 12.APR.2024 11:20:40

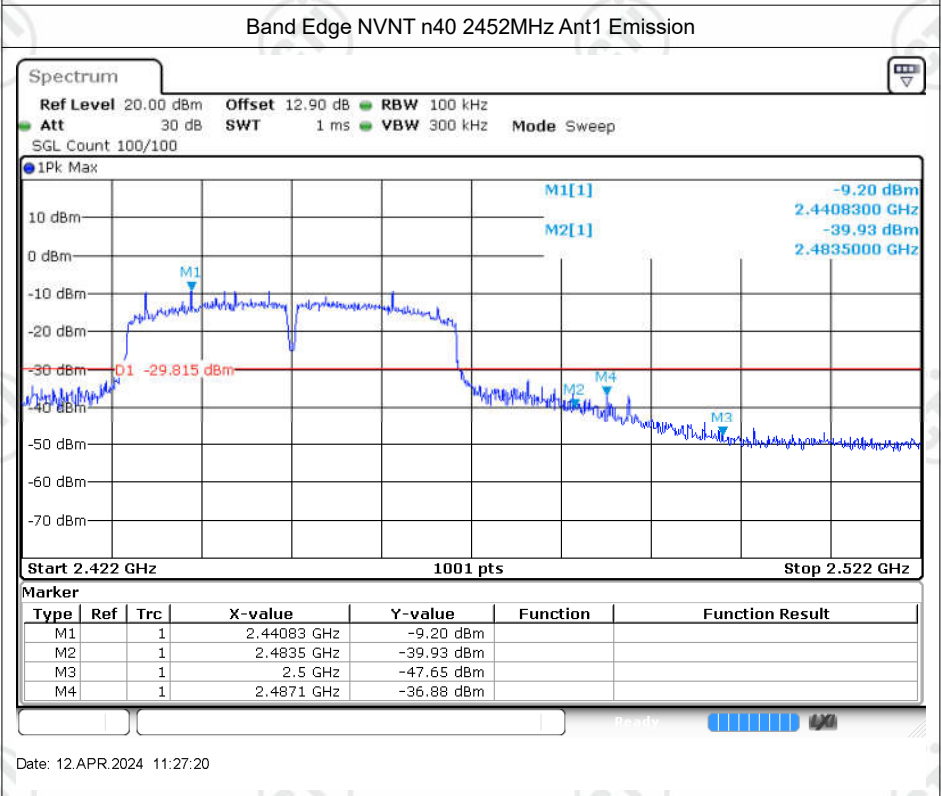


Date: 12.APR.2024 11:23:04





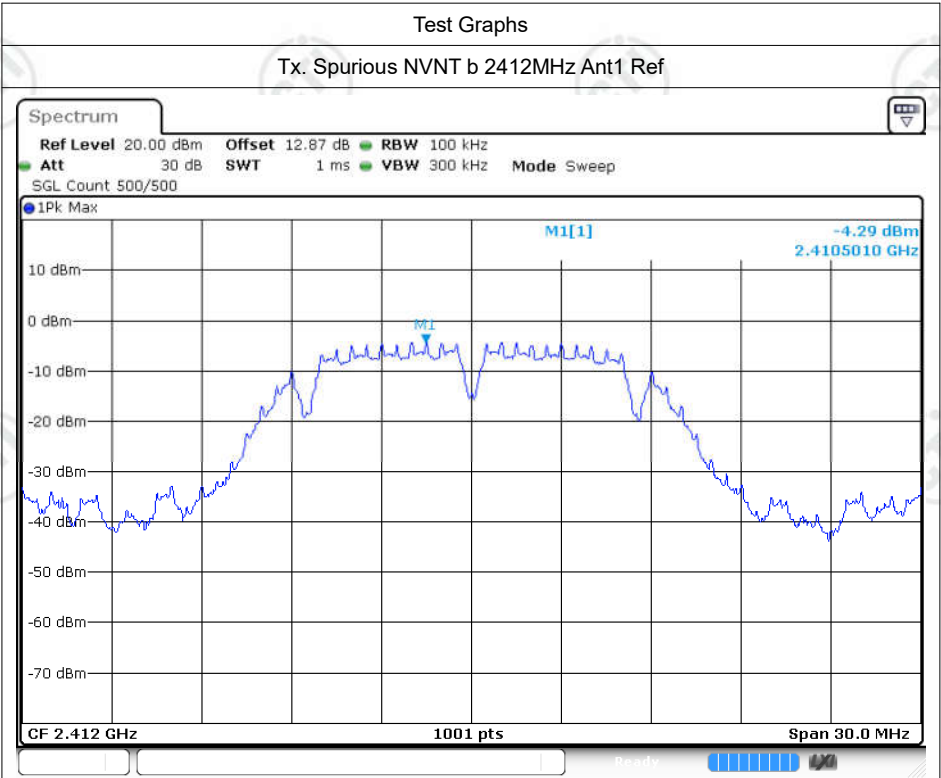
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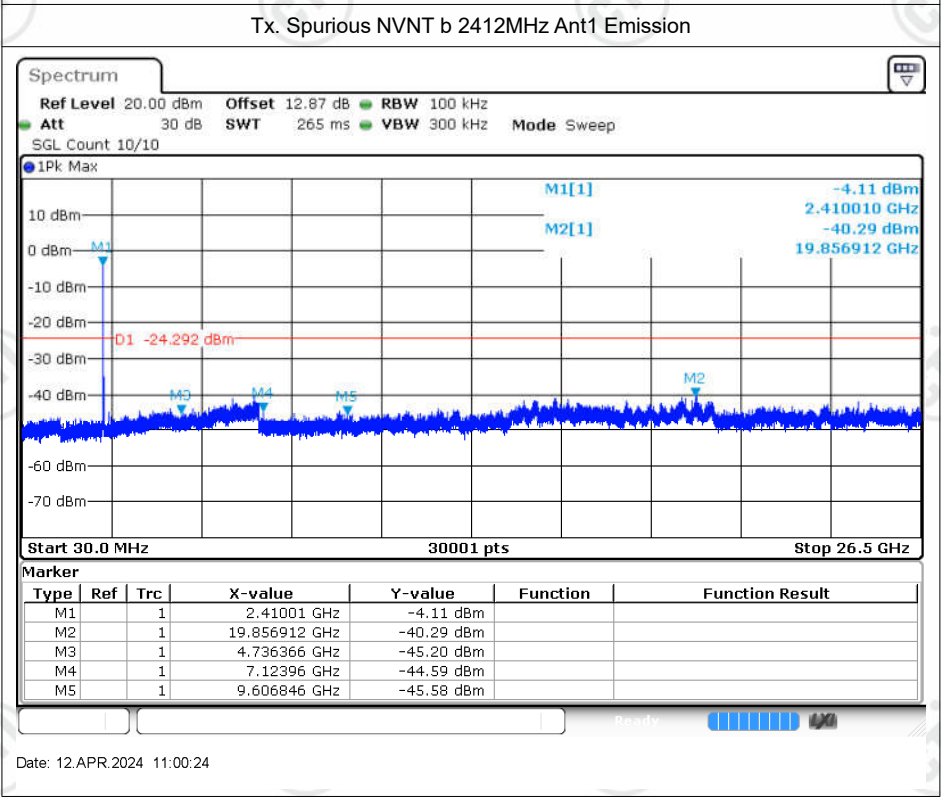
Date: 12.APR.2024 11:27:20

Conducted RF Spurious Emission

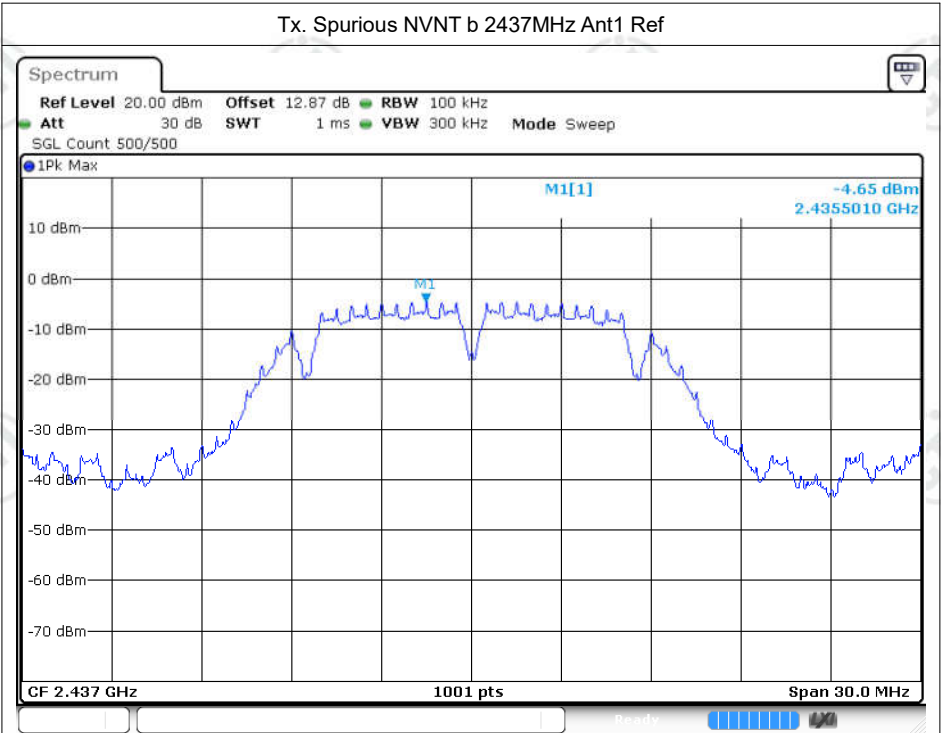
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-36	-20	Pass
NVNT	b	2437	Ant1	-35.69	-20	Pass
NVNT	b	2462	Ant1	-35.24	-20	Pass
NVNT	g	2412	Ant1	-34.82	-20	Pass
NVNT	g	2437	Ant1	-34.65	-20	Pass
NVNT	g	2462	Ant1	-33.23	-20	Pass
NVNT	n20	2412	Ant1	-34.74	-20	Pass
NVNT	n20	2437	Ant1	-34.33	-20	Pass
NVNT	n20	2462	Ant1	-33.66	-20	Pass
NVNT	n40	2422	Ant1	-32.46	-20	Pass
NVNT	n40	2437	Ant1	-31.99	-20	Pass
NVNT	n40	2452	Ant1	-31.24	-20	Pass



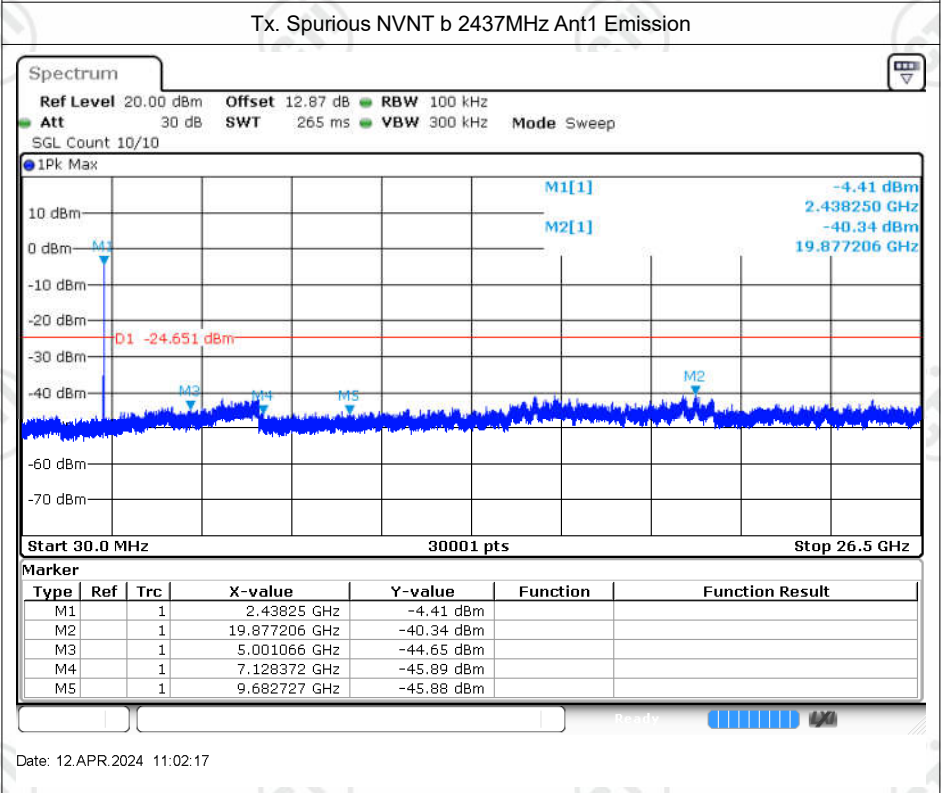
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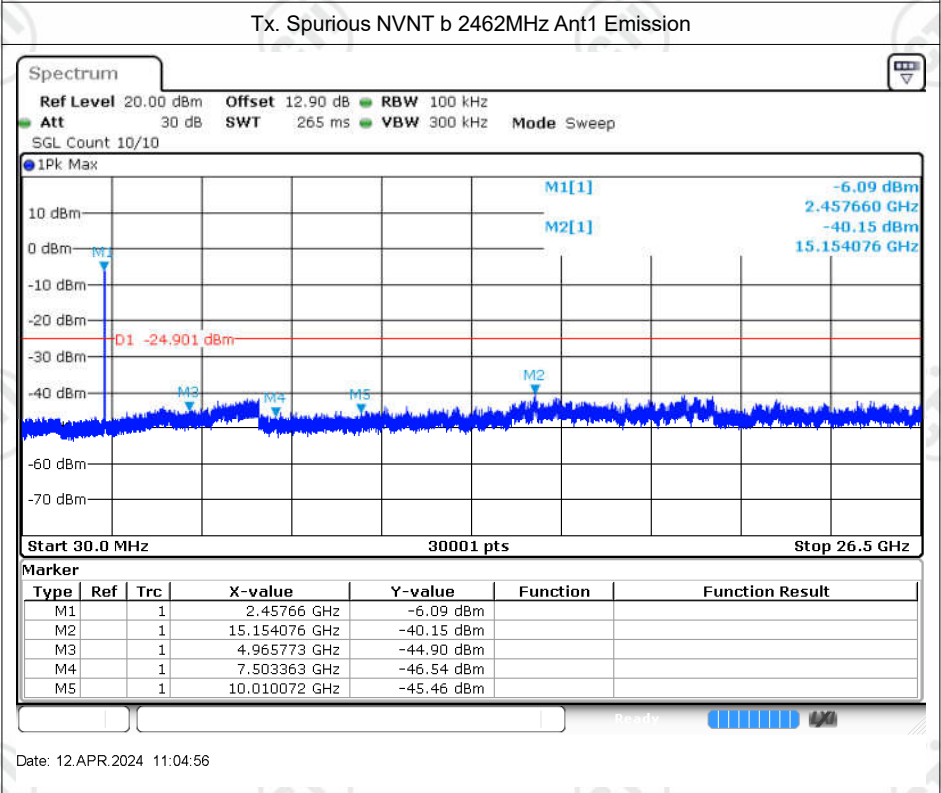
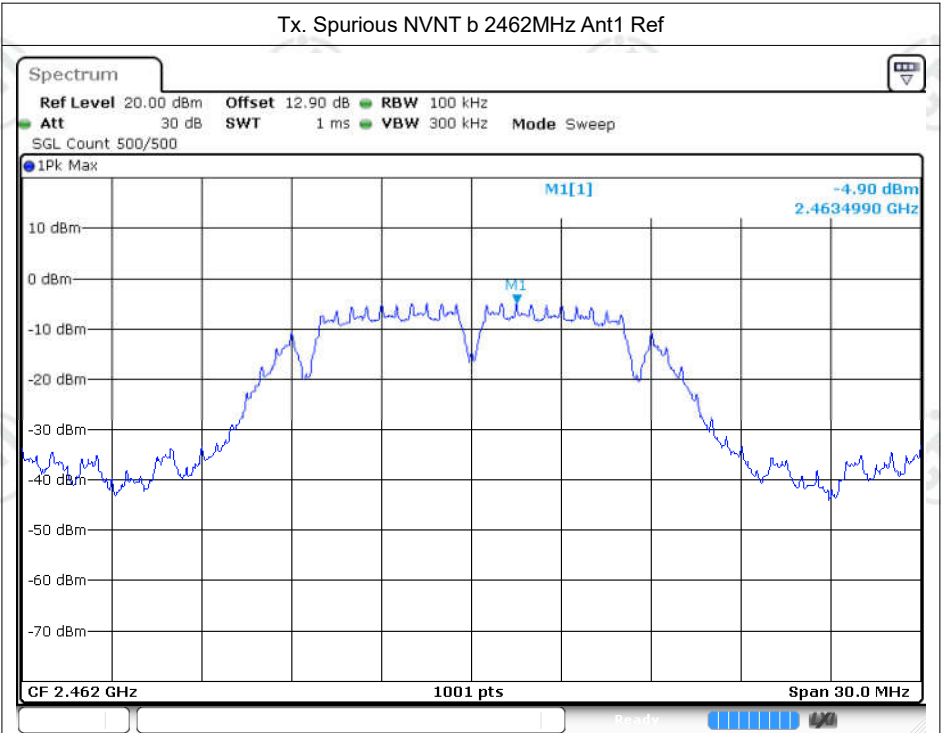
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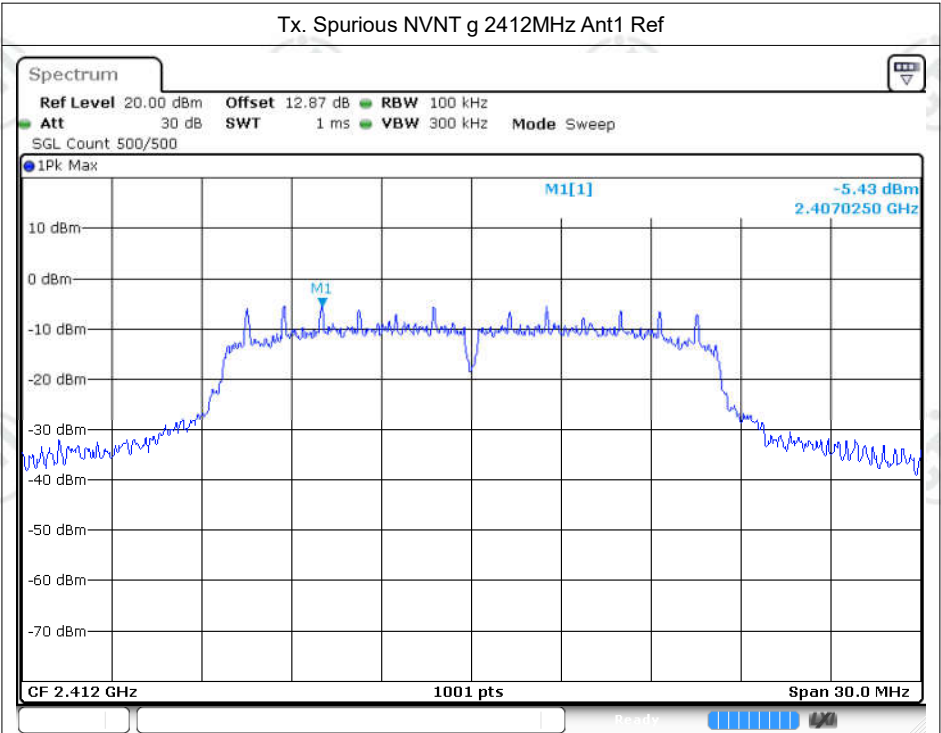


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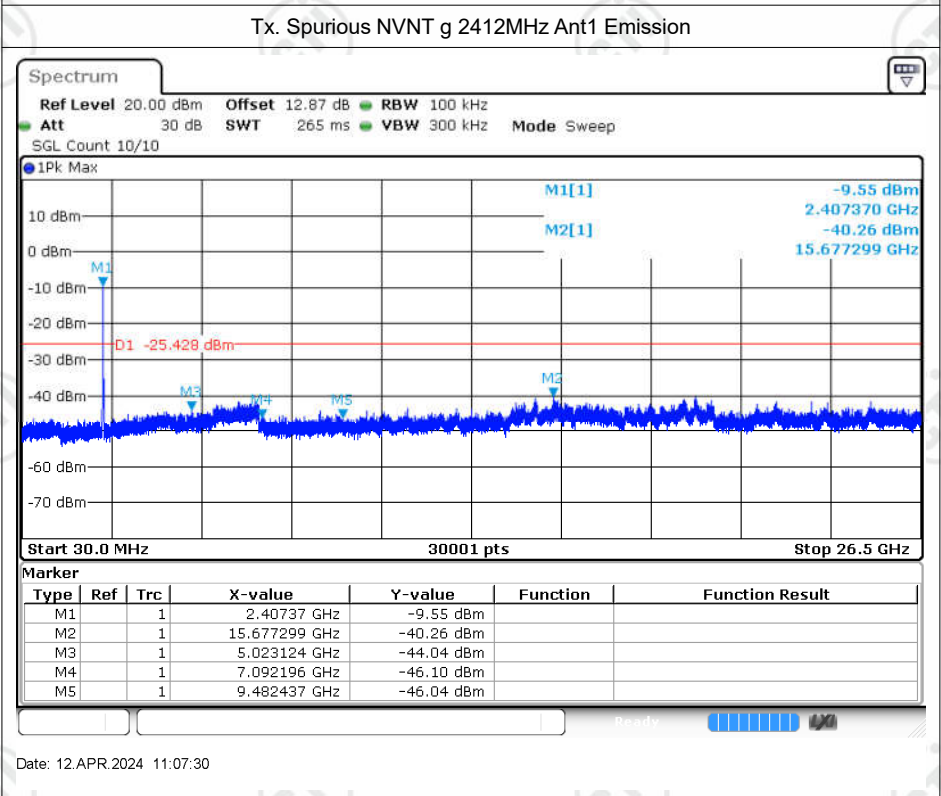


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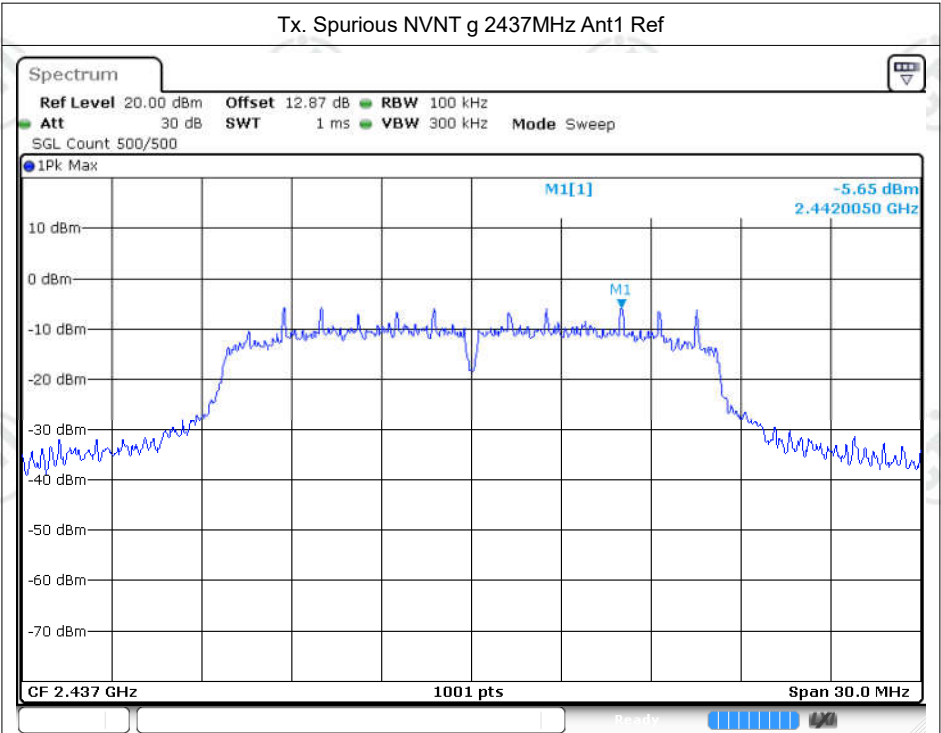




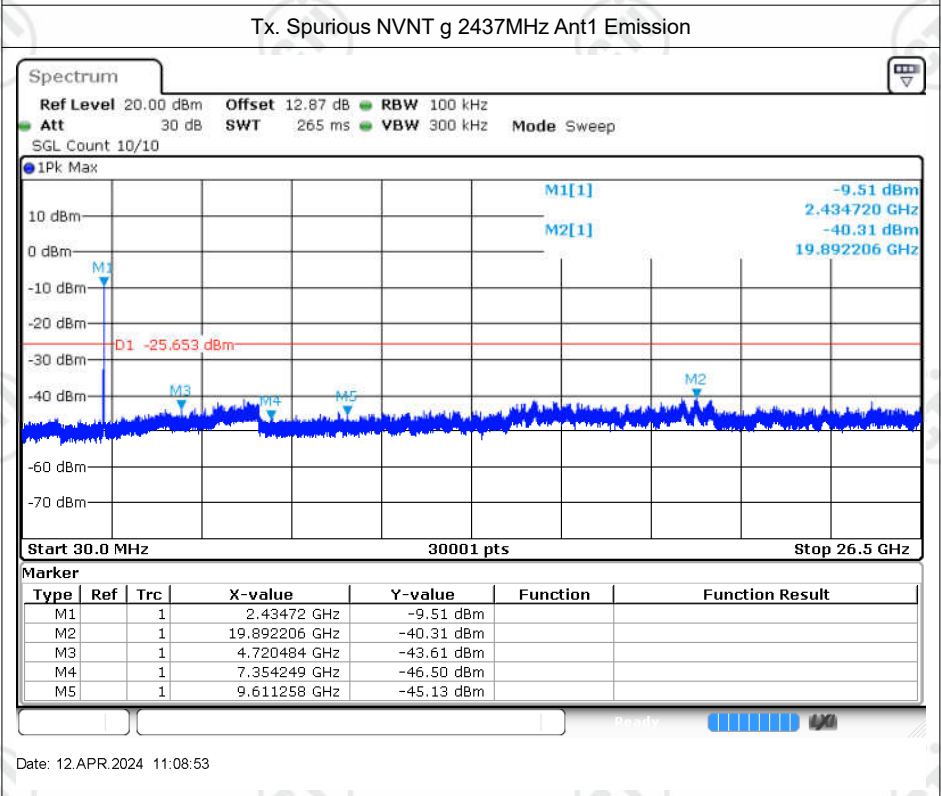
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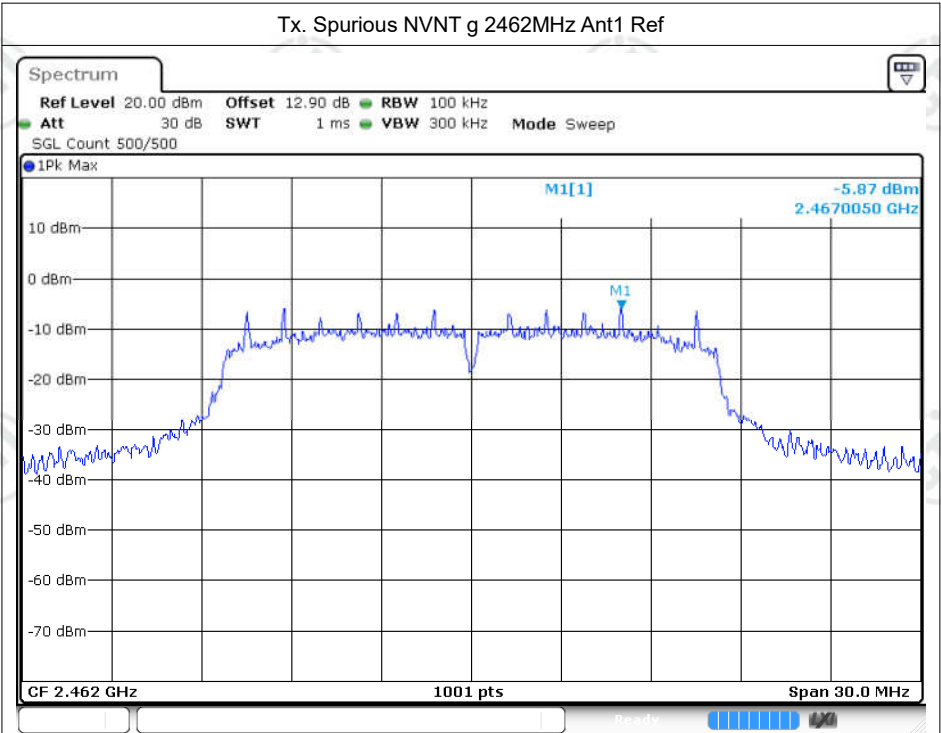
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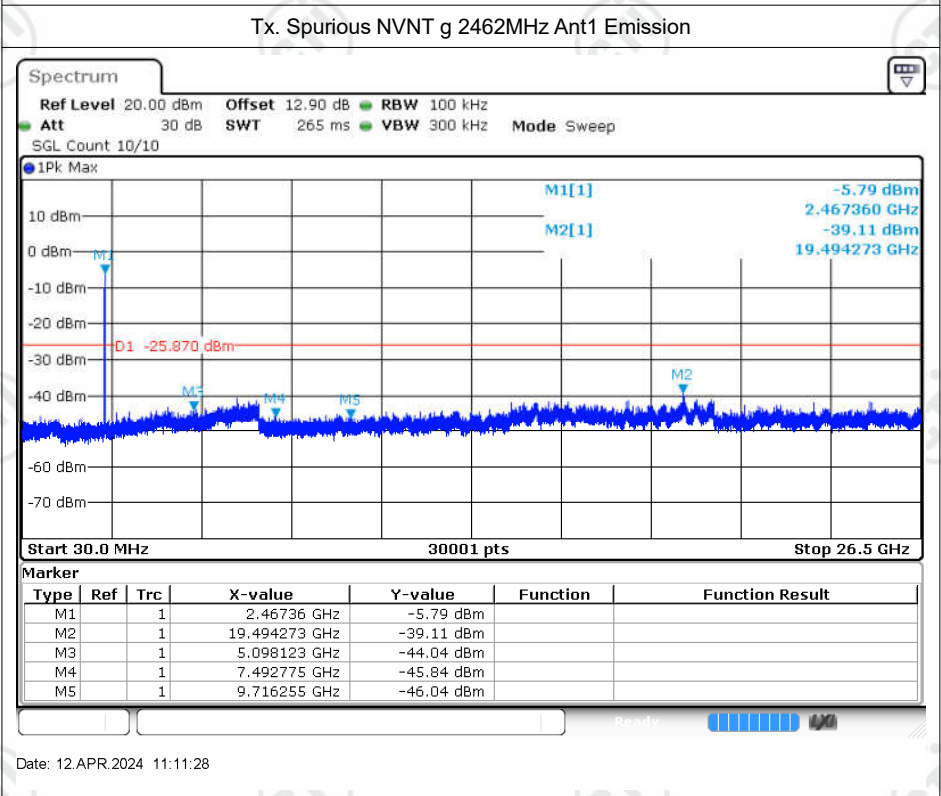
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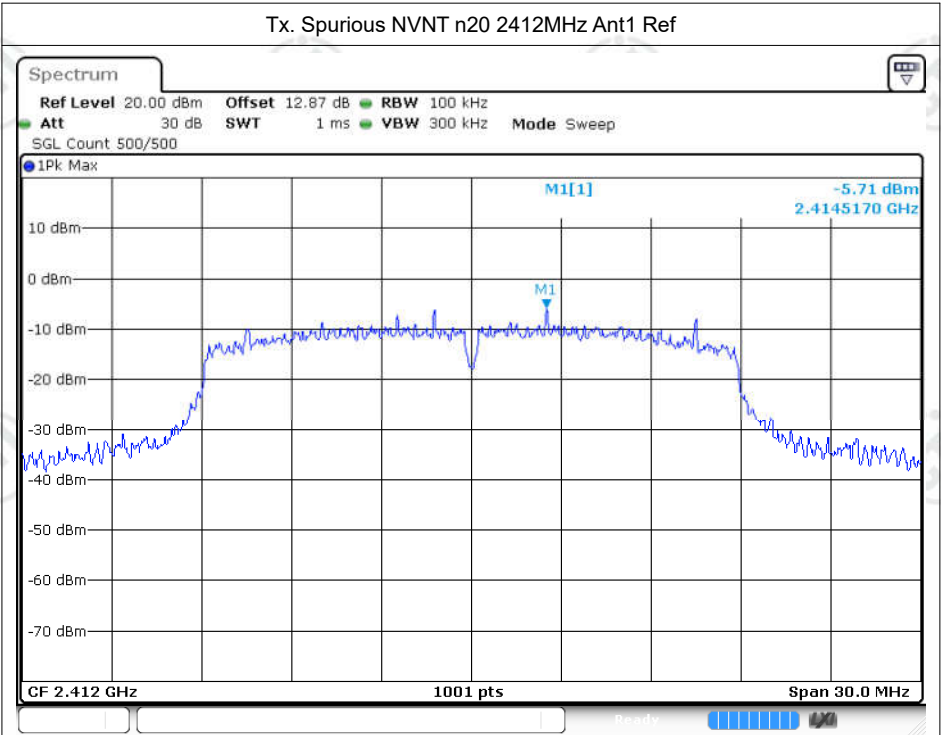
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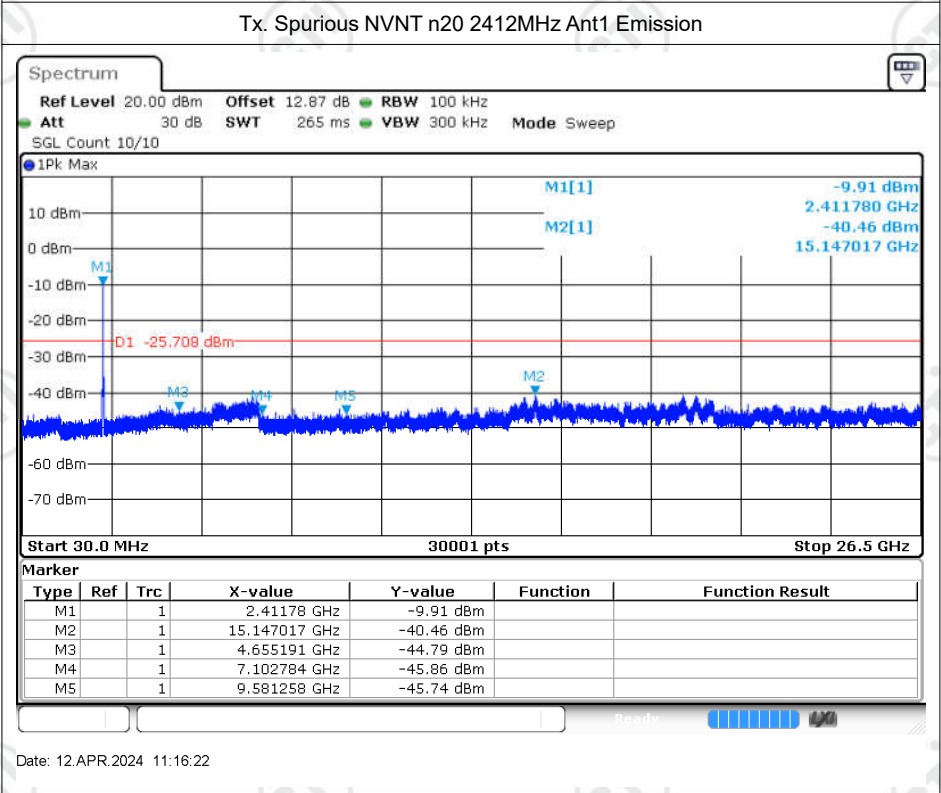
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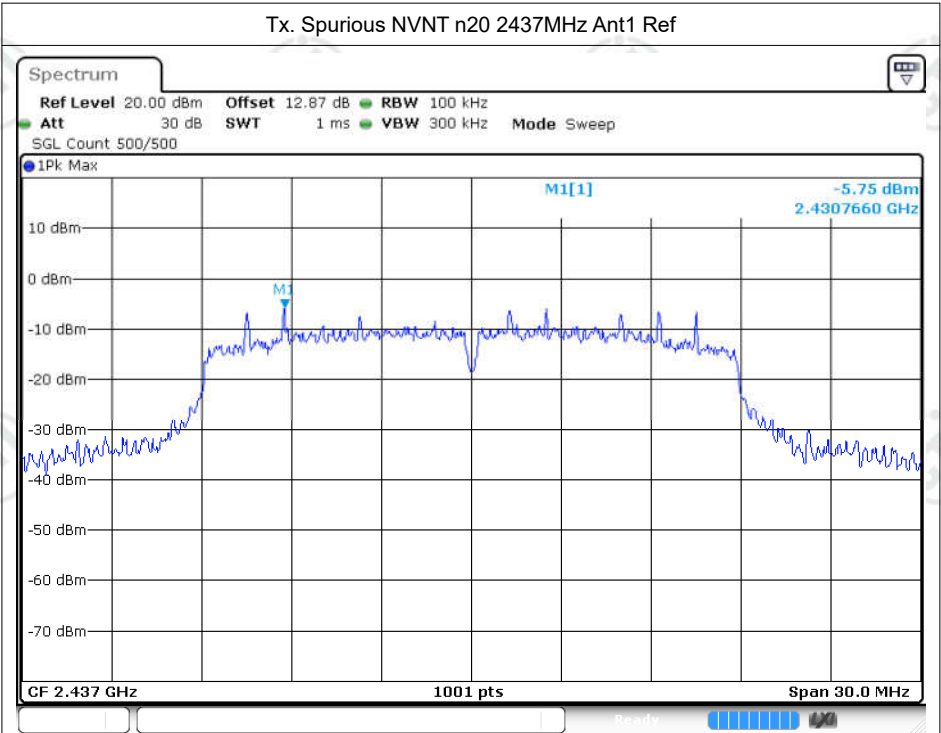
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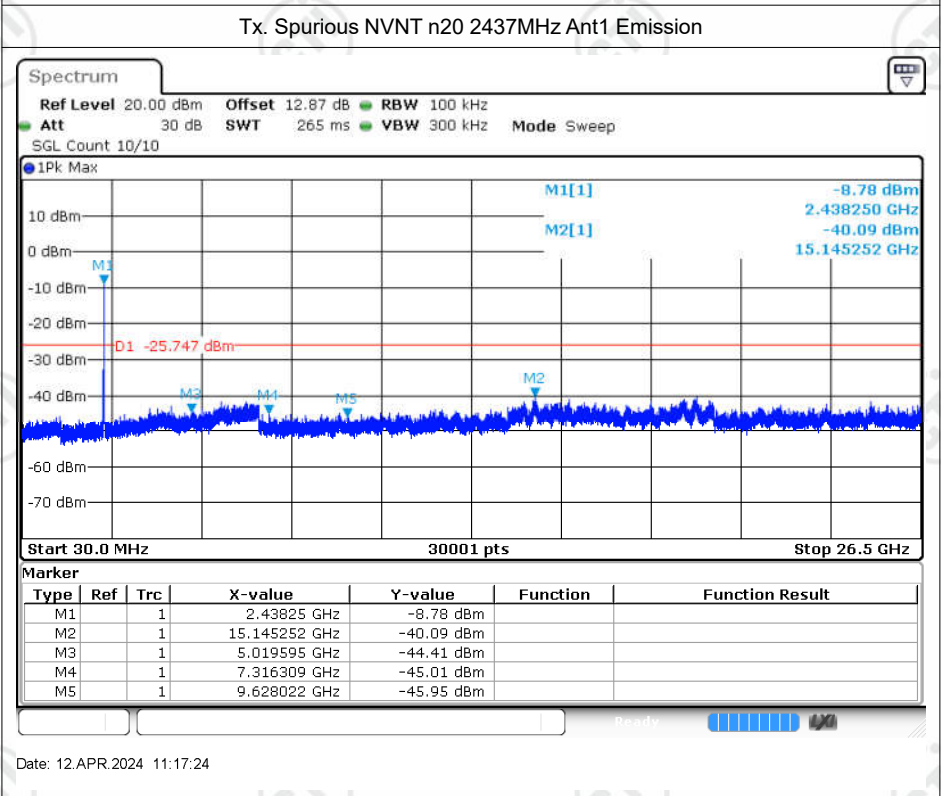
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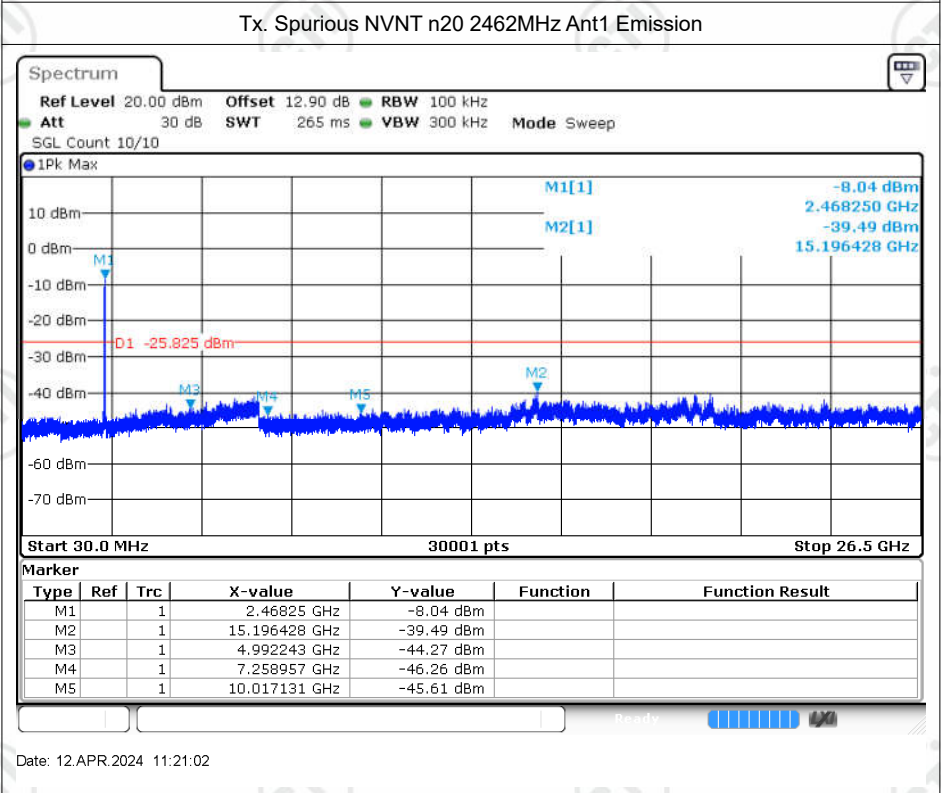
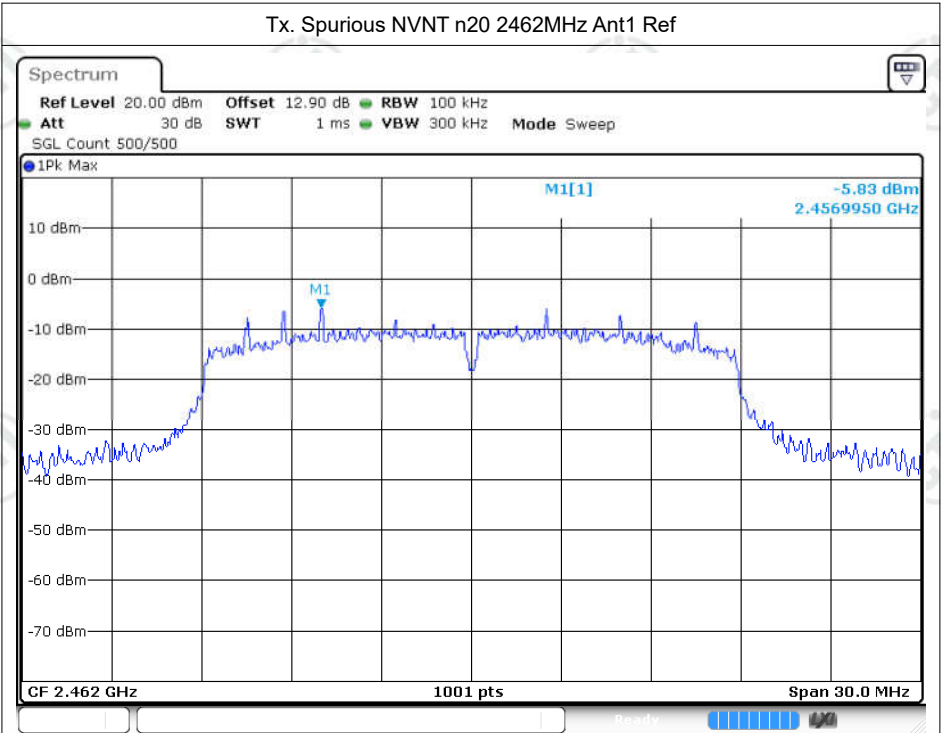
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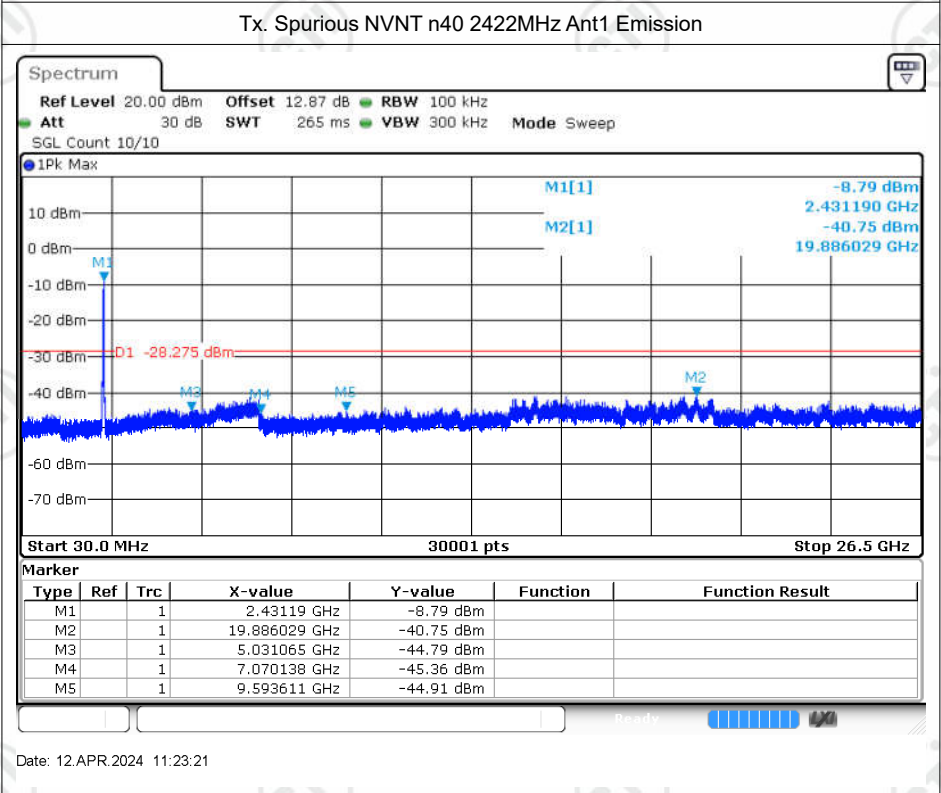
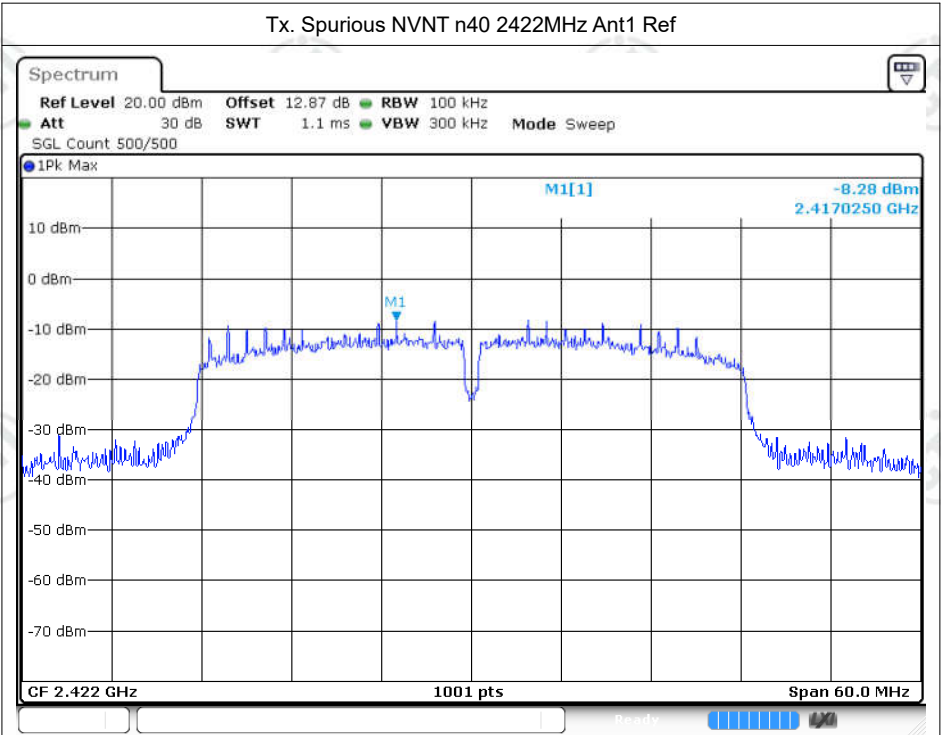


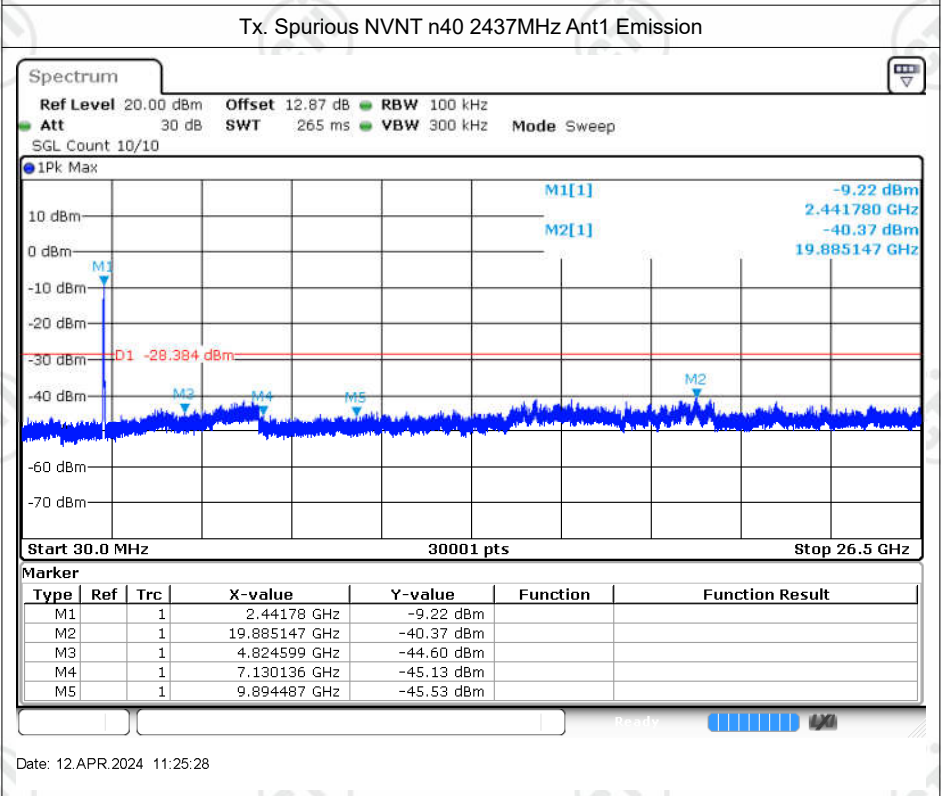
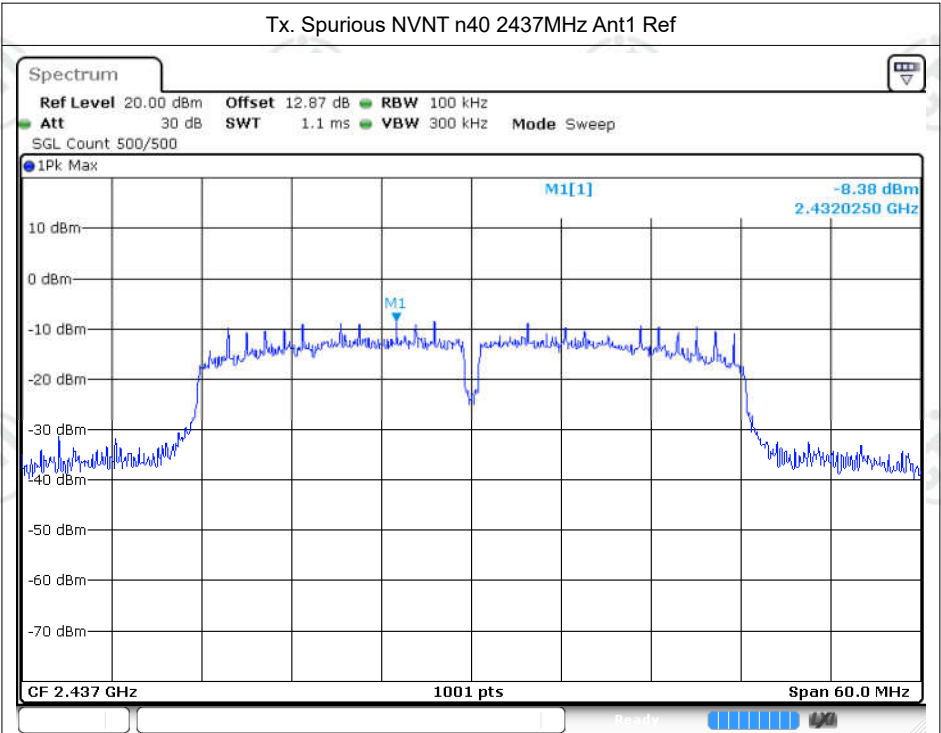
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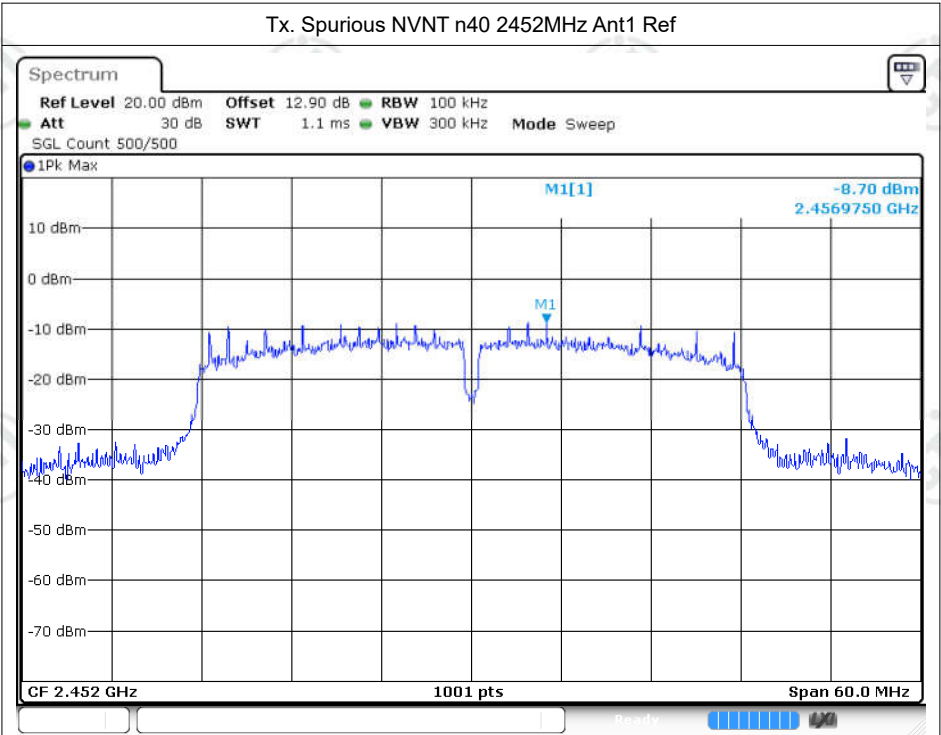


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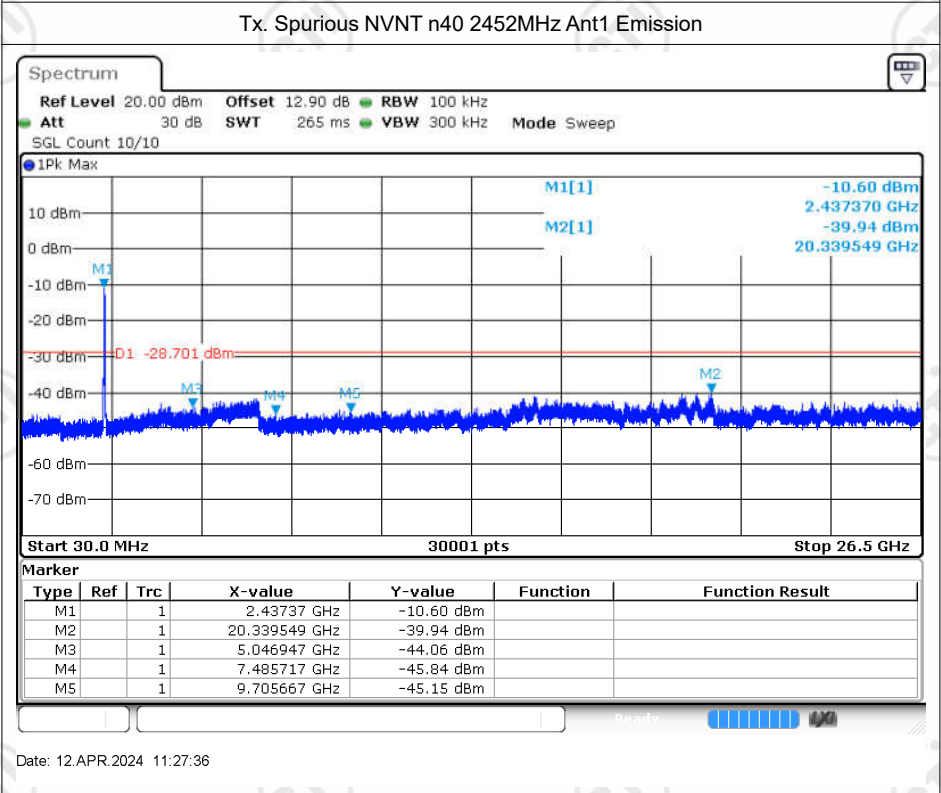








Date: 12.APR.2024 11:27:25



Date: 12.APR.2024 11:27:36

*** End of Report ***