

Appendix: 2.4G Wi-Fi

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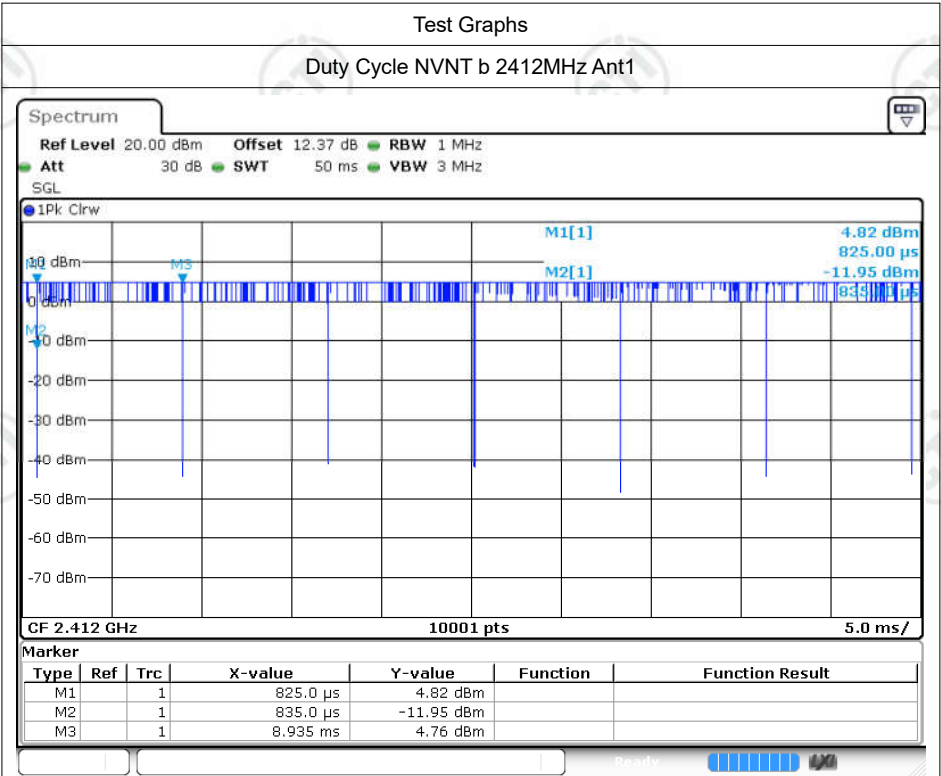
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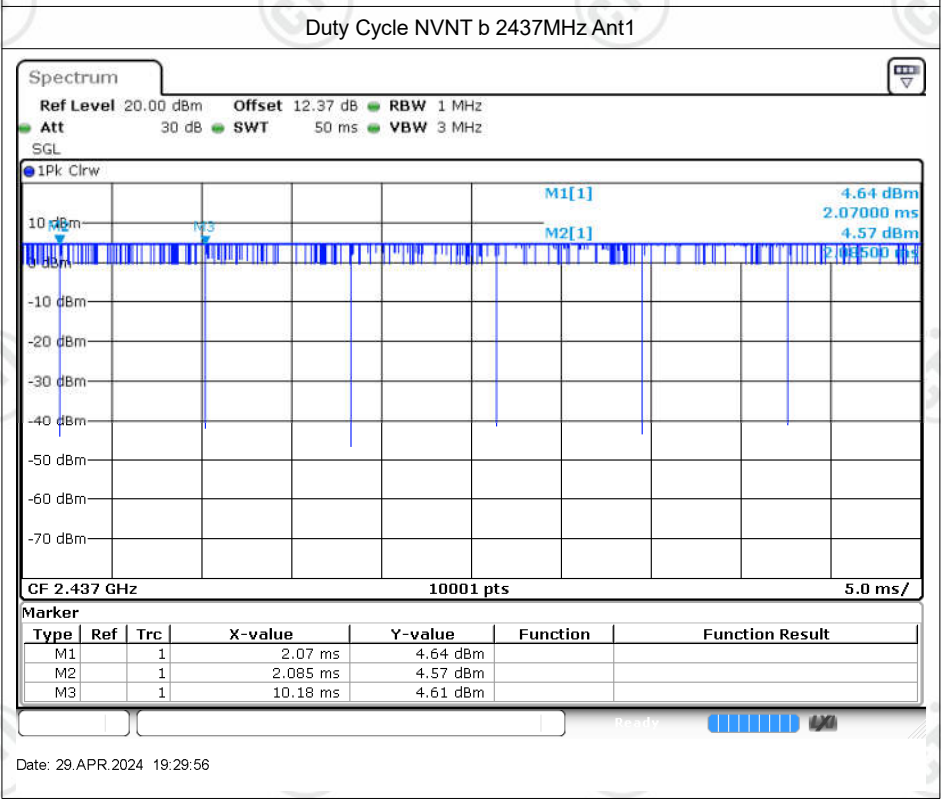
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Duty Cycle

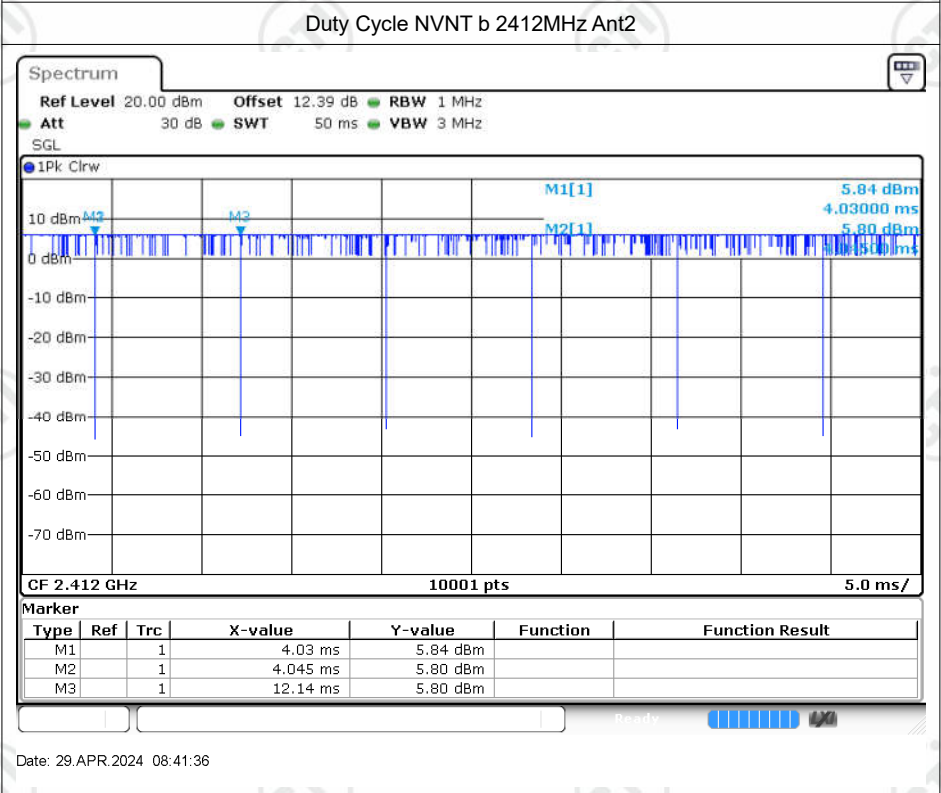
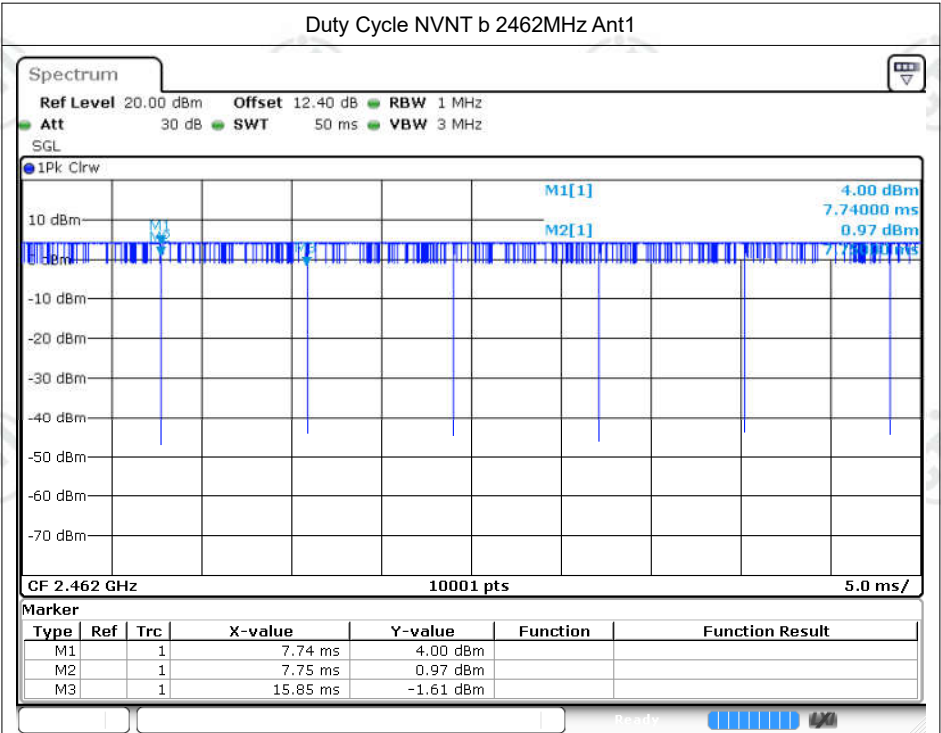
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.88	0	0.12
NVNT	b	2437	Ant1	99.82	0	0.12
NVNT	b	2462	Ant1	99.88	0	0.12
NVNT	b	2412	Ant2	99.82	0	0.12
NVNT	b	2437	Ant2	99.82	0	0.12
NVNT	b	2462	Ant2	99.88	0	0.12
NVNT	g	2412	Ant1	99.13	0	0.74
NVNT	g	2437	Ant1	99.13	0	0.73
NVNT	g	2462	Ant1	99.13	0	0.74
NVNT	g	2412	Ant2	99.13	0	0.73
NVNT	g	2437	Ant2	99.2	0	0.73
NVNT	g	2462	Ant2	99.13	0	0.73
NVNT	n20	2412	Ant1	99.07	0	0.79
NVNT	n20	2437	Ant1	99.07	0	0.79
NVNT	n20	2462	Ant1	99.07	0	0.79
NVNT	n20	2412	Ant2	99.14	0	0.79
NVNT	n20	2437	Ant2	99.07	0	0.79
NVNT	n20	2462	Ant2	99.14	0	0.79
NVNT	n40	2422	Ant1	93.24		1000
NVNT	n40	2437	Ant1	93.17		250
NVNT	n40	2452	Ant1	93.17		166.67
NVNT	n40	2422	Ant2	93.16		333.33
NVNT	n40	2437	Ant2	93.16		∞
NVNT	n40	2452	Ant2	93.16		38.46

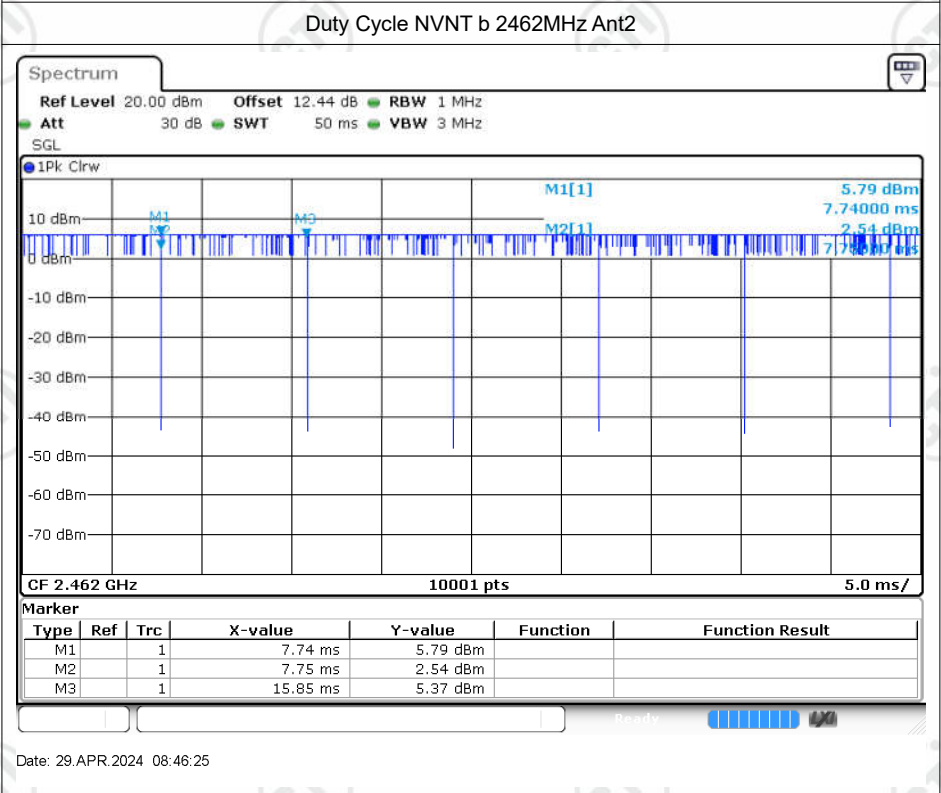
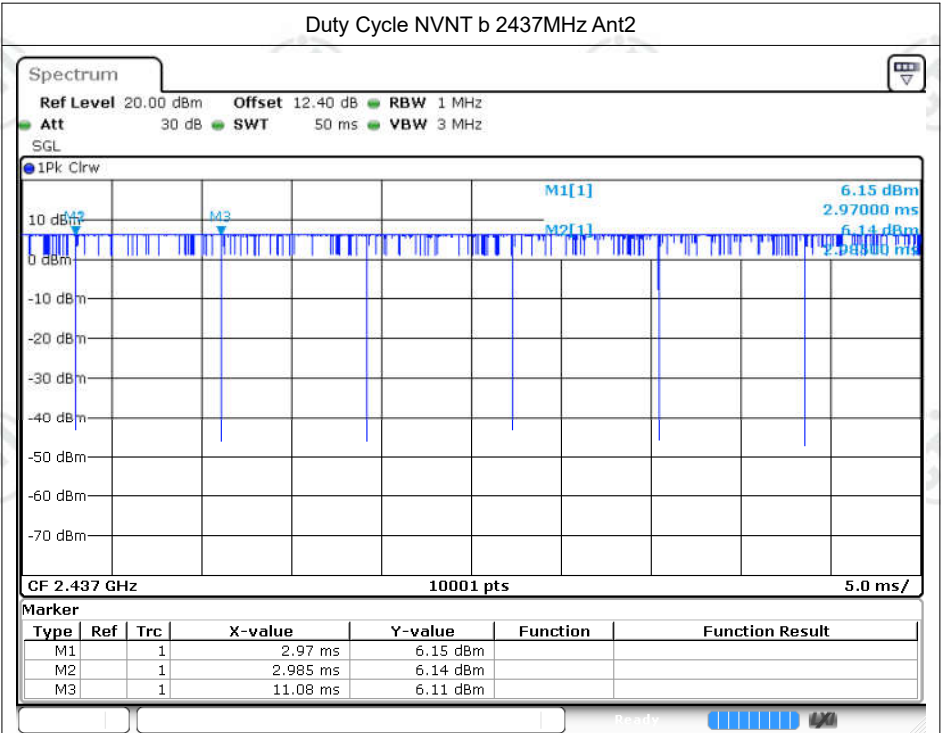


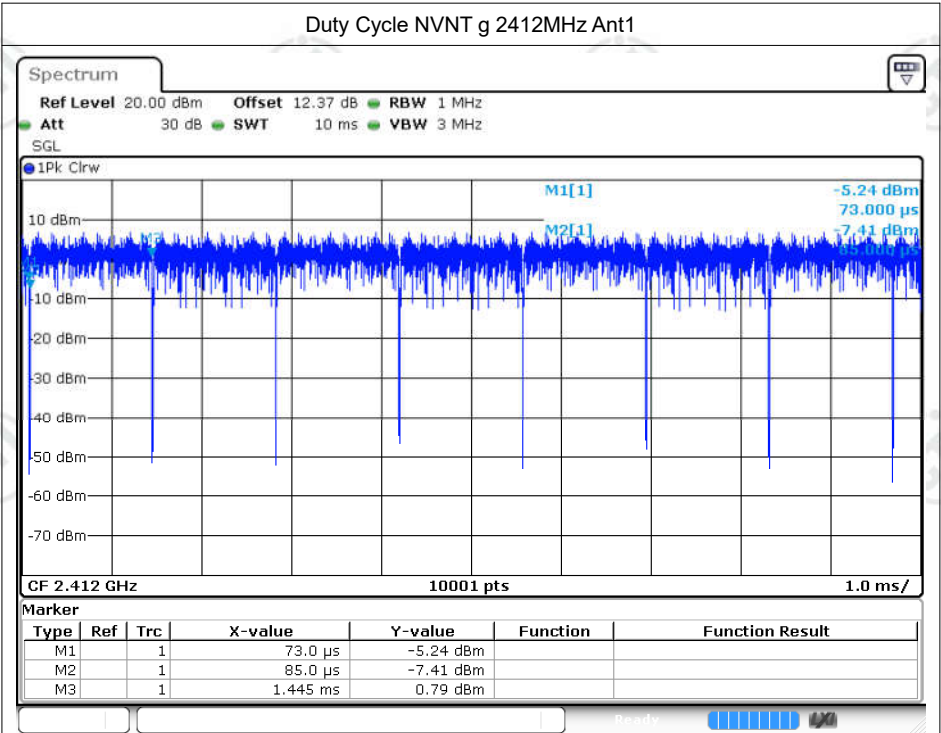
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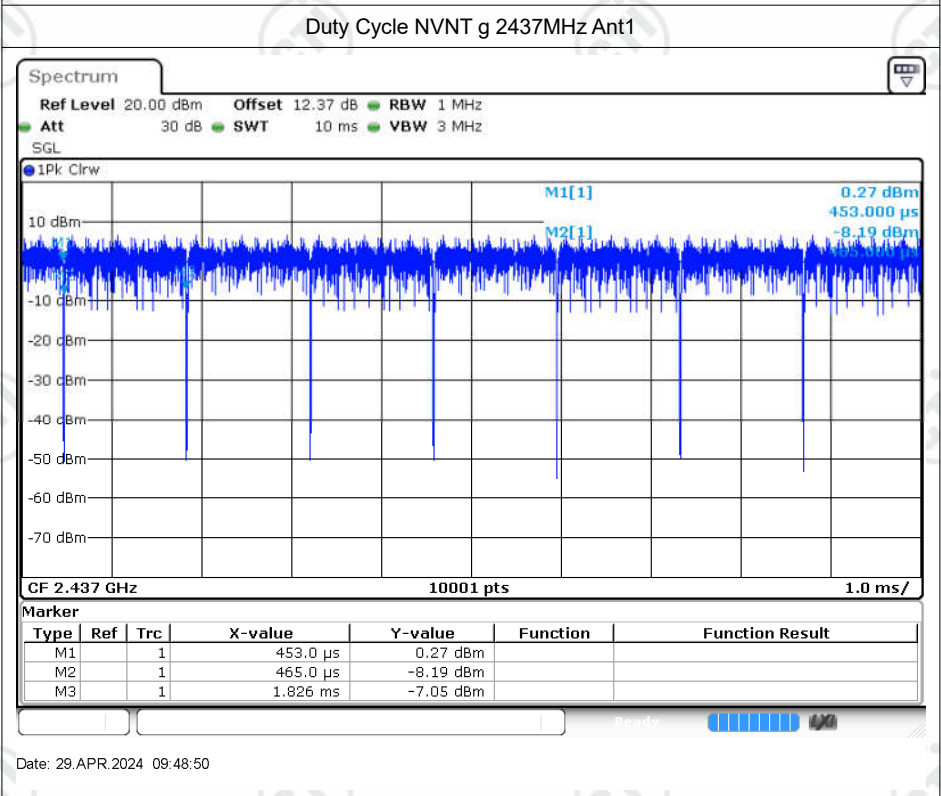
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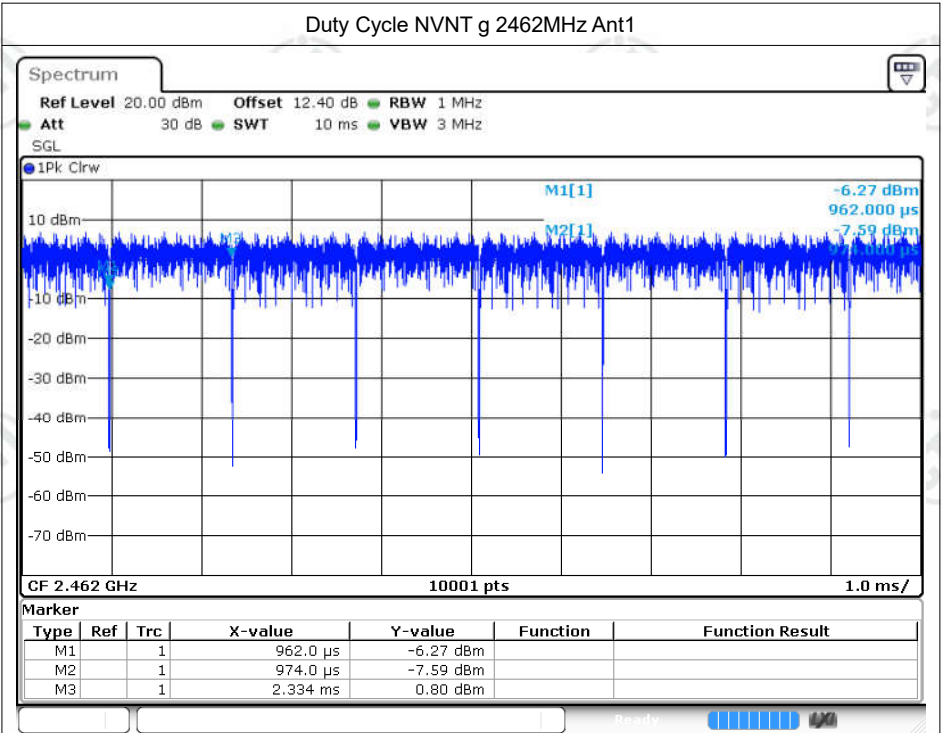




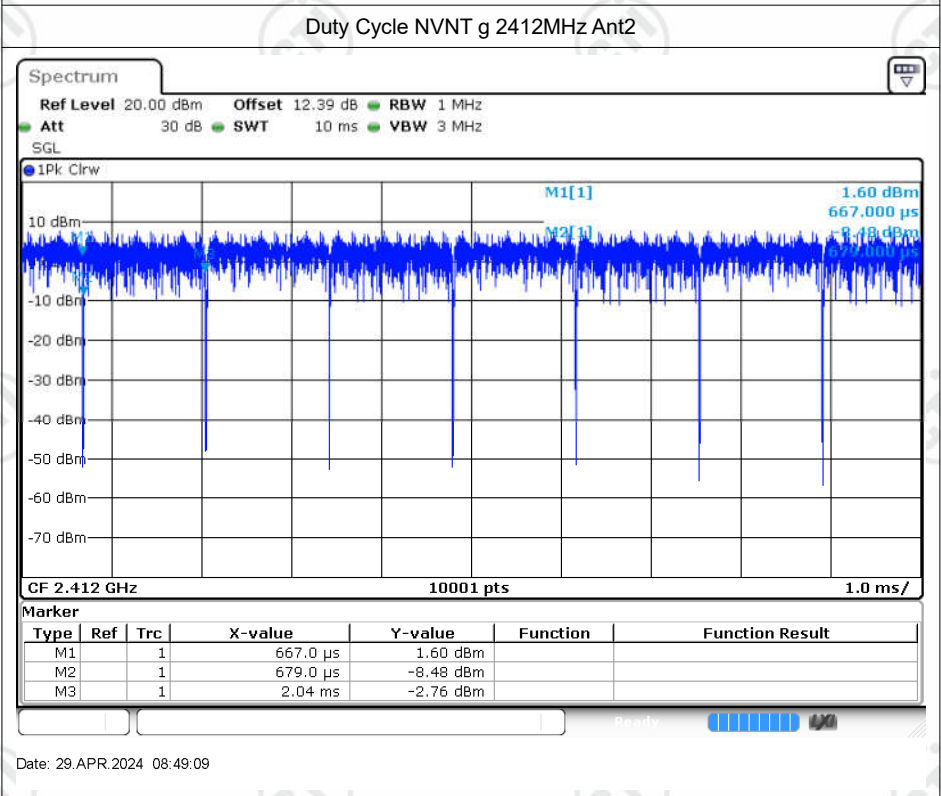
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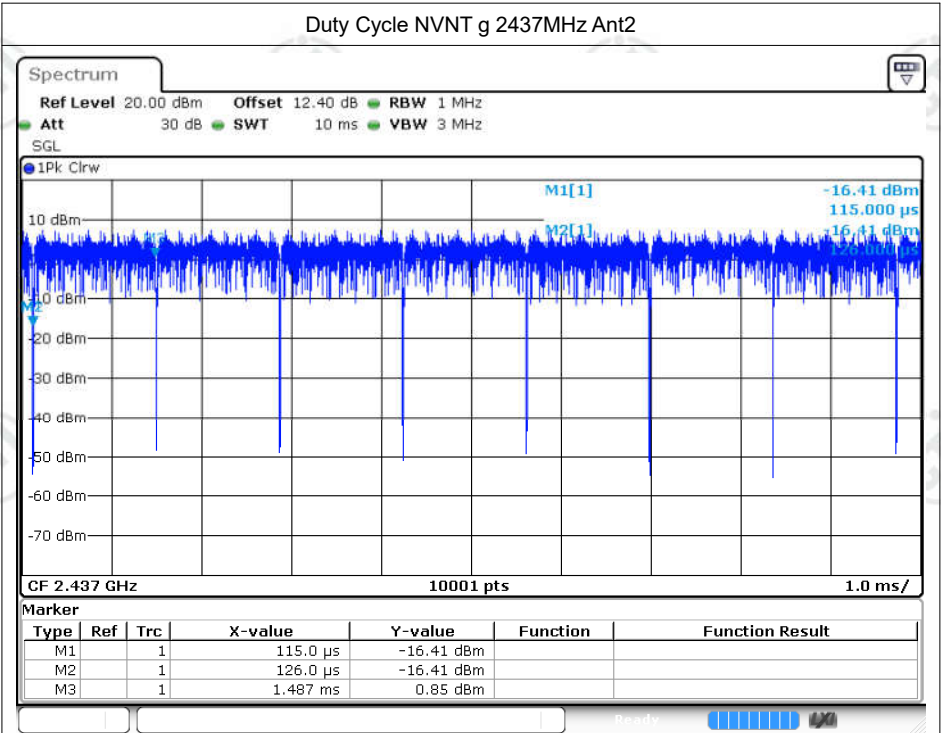
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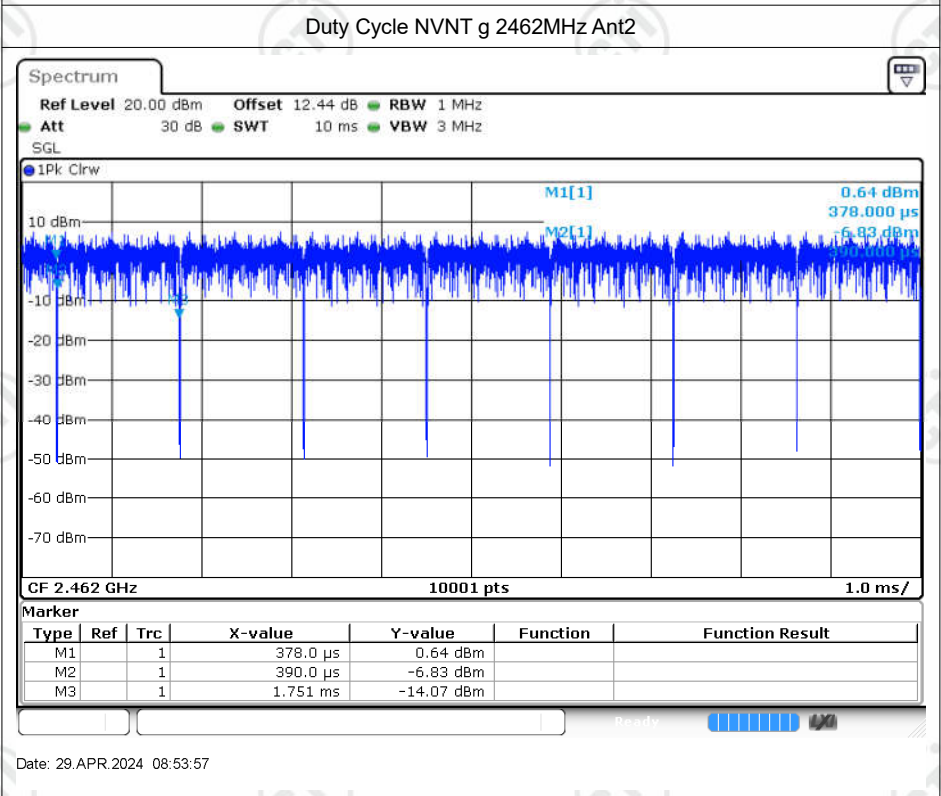
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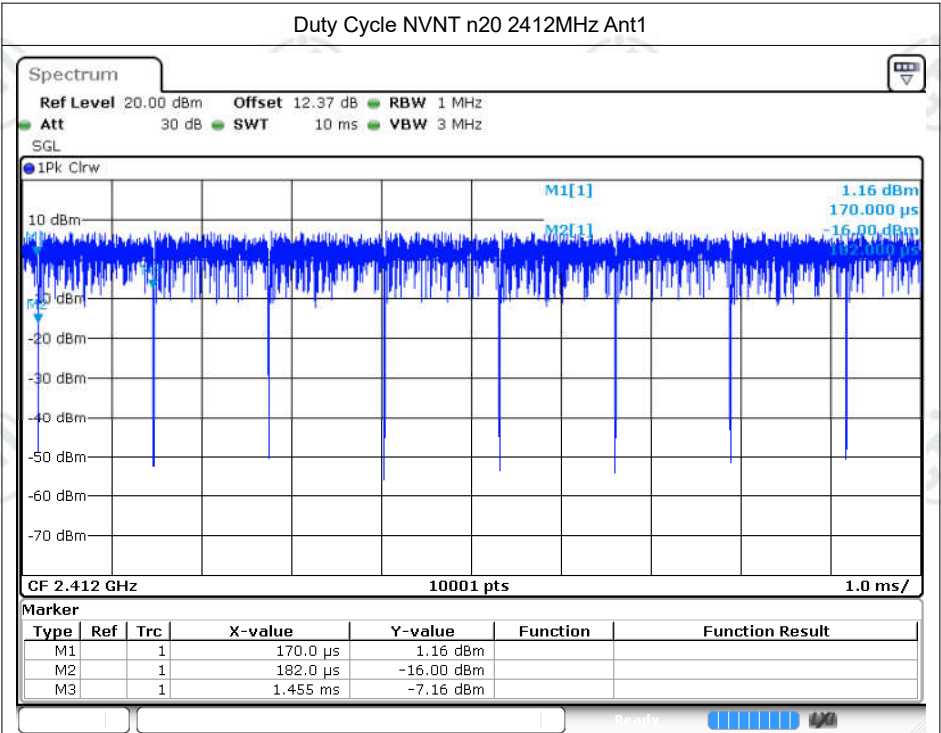
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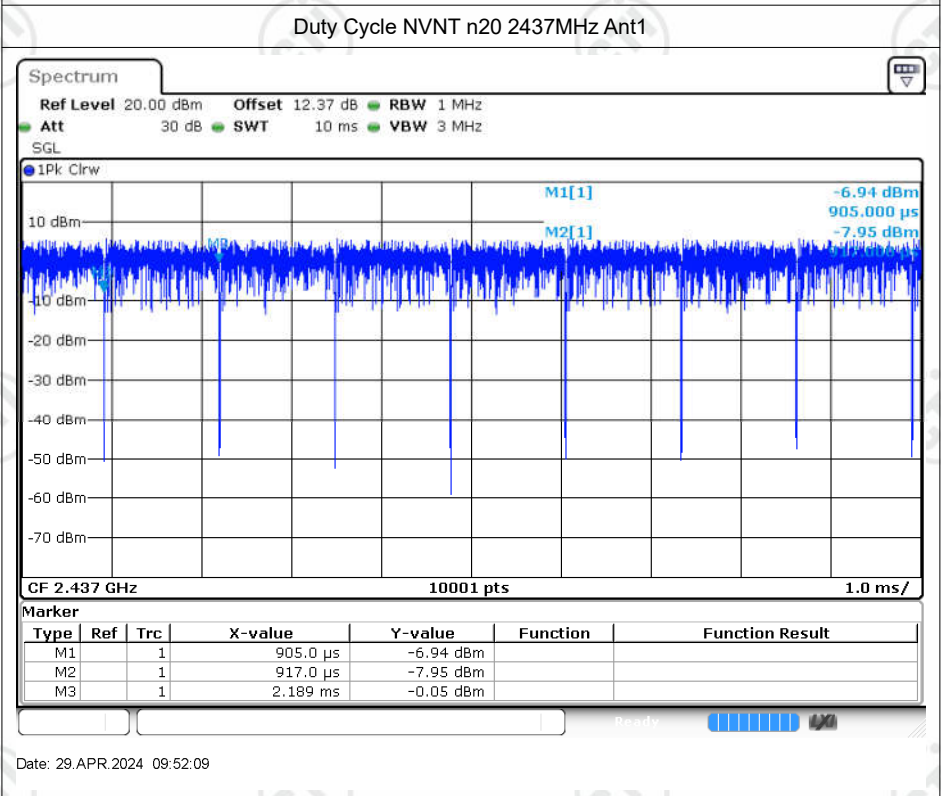
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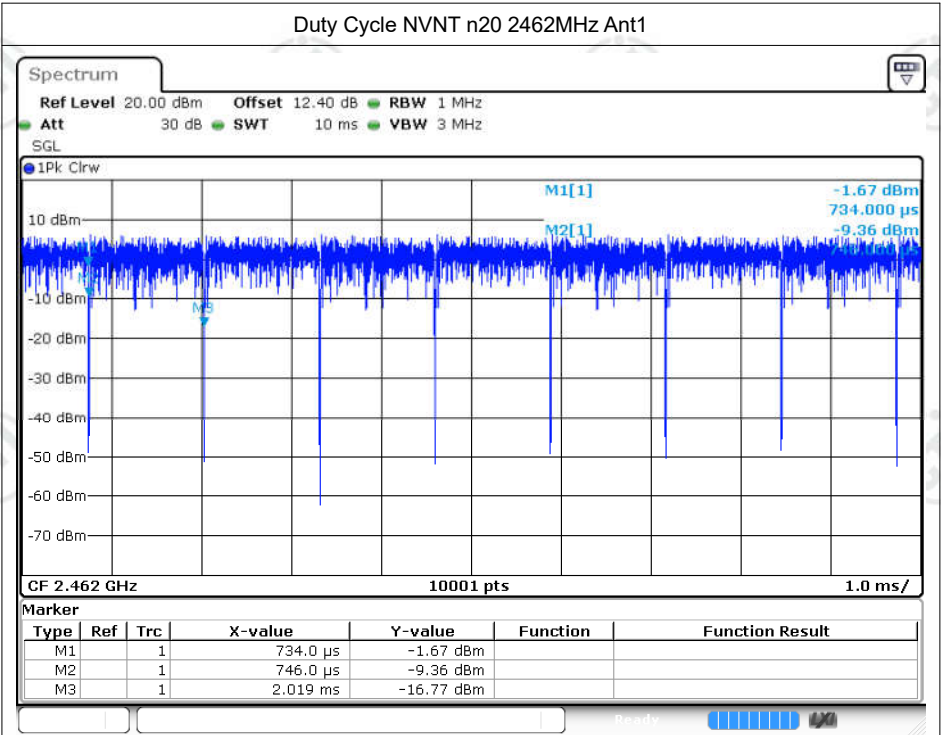
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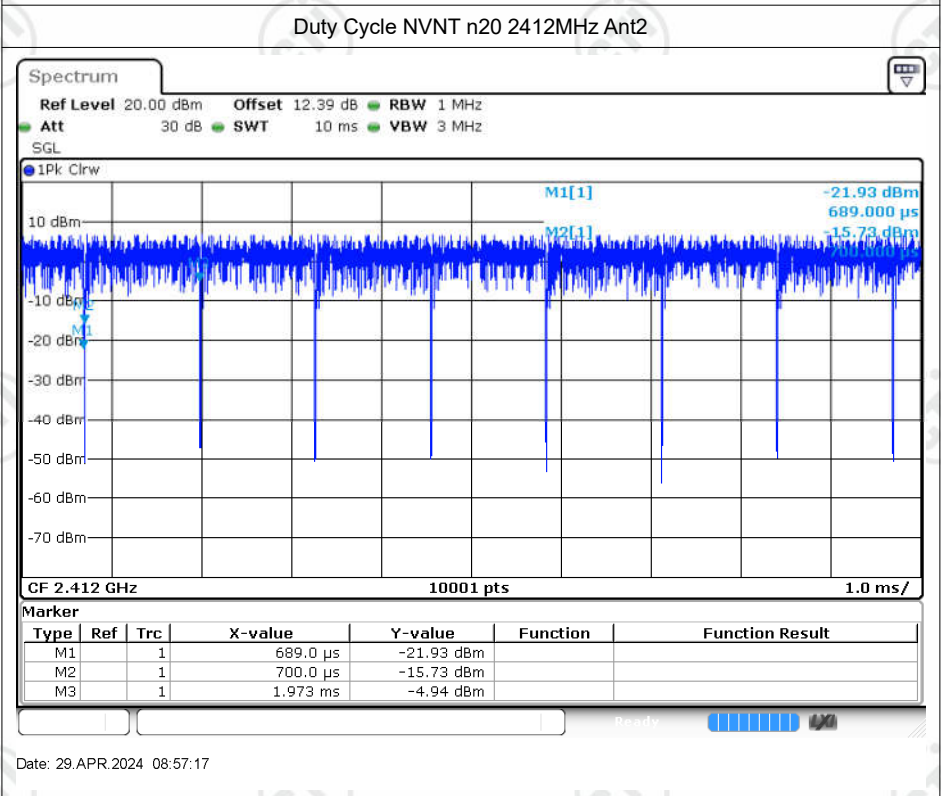
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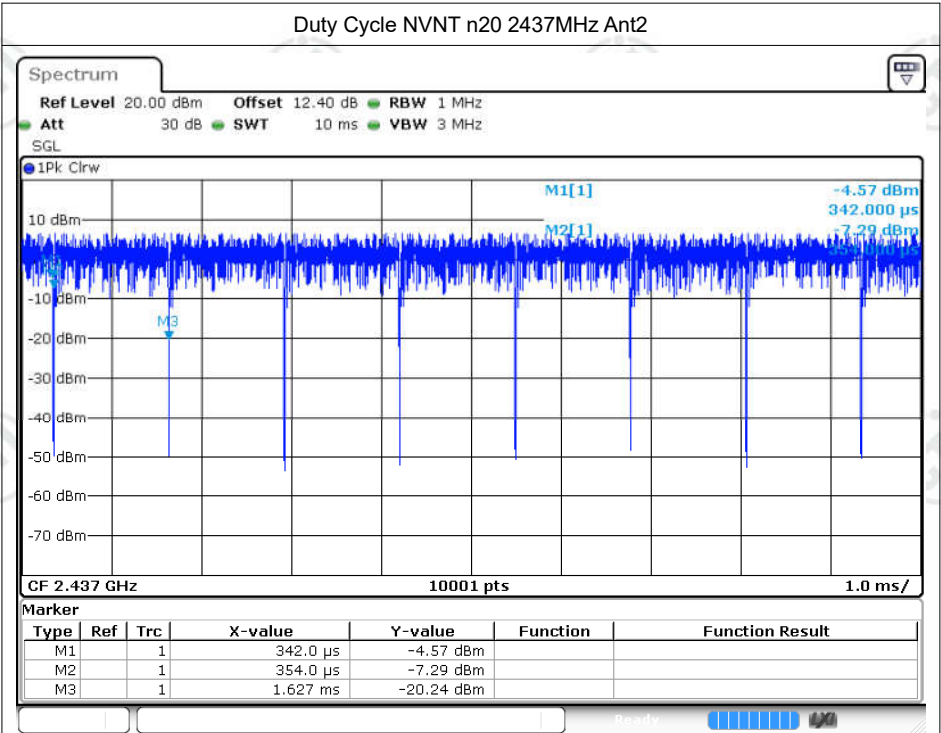
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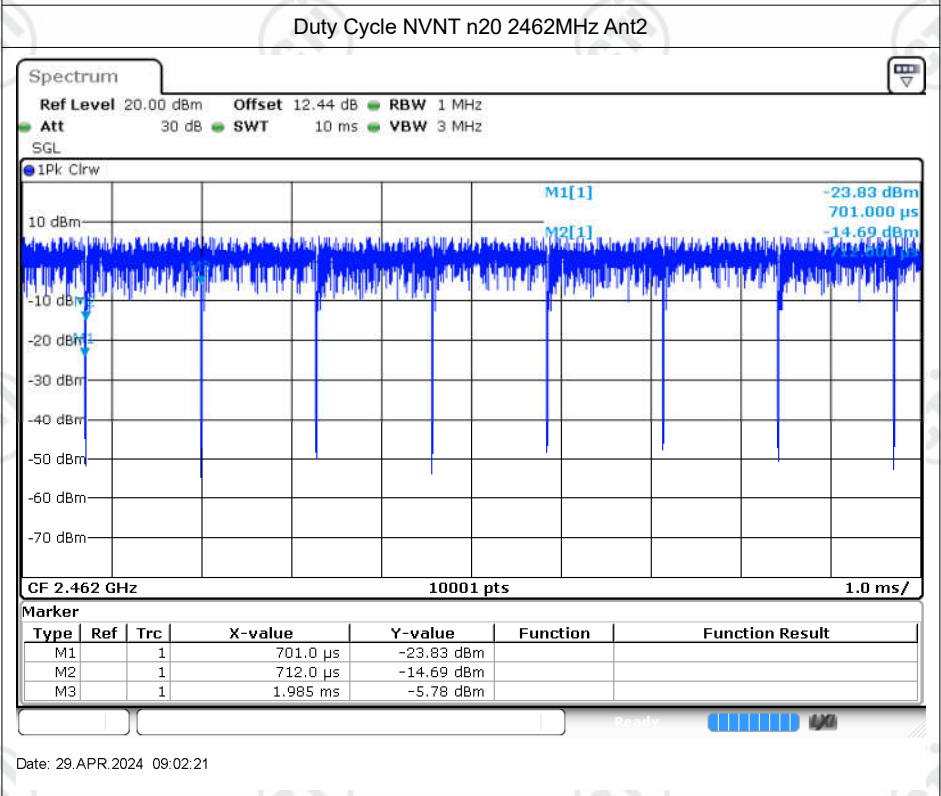
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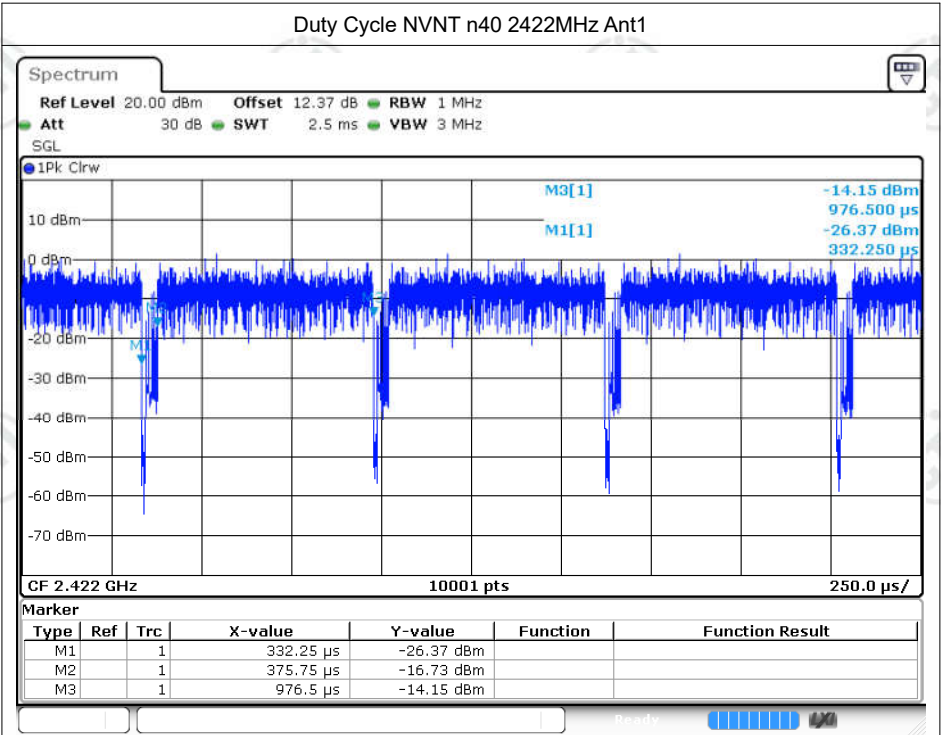
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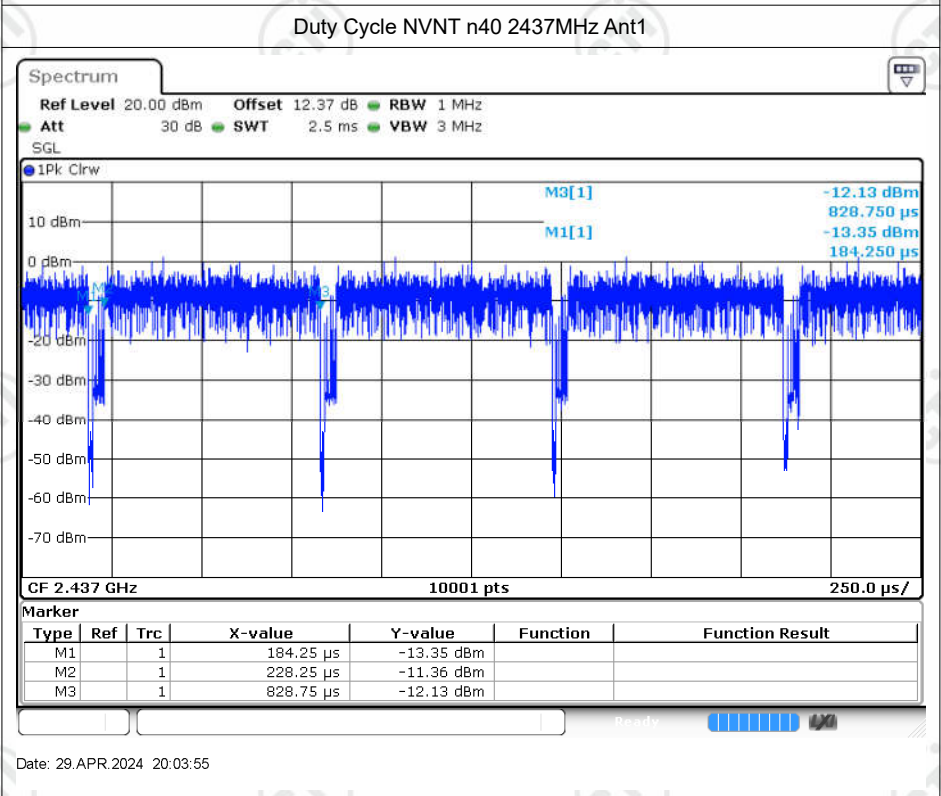
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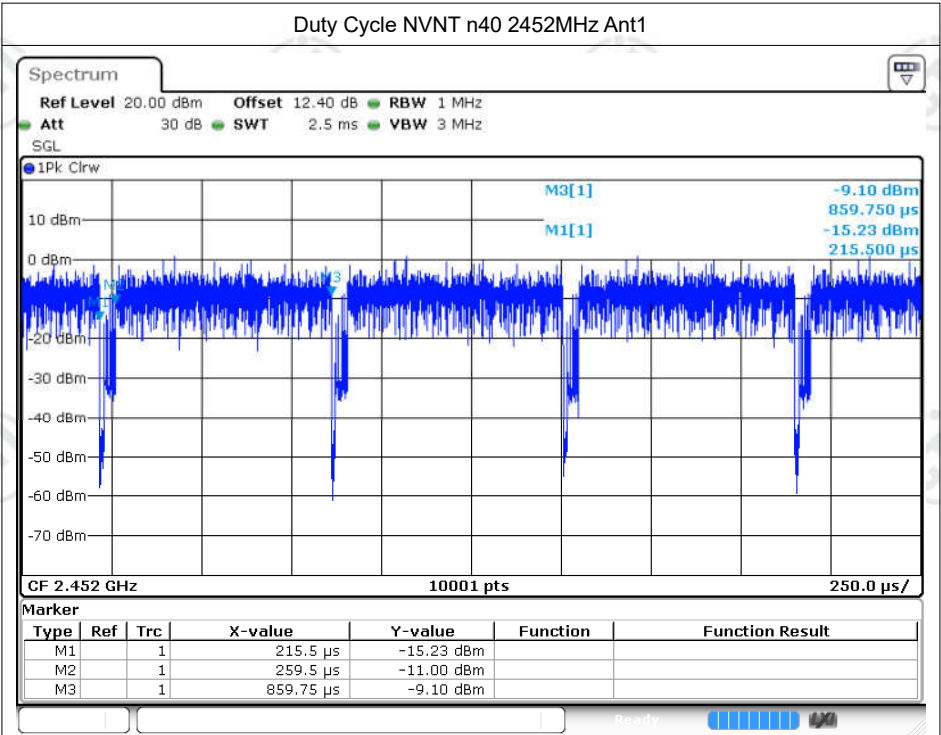
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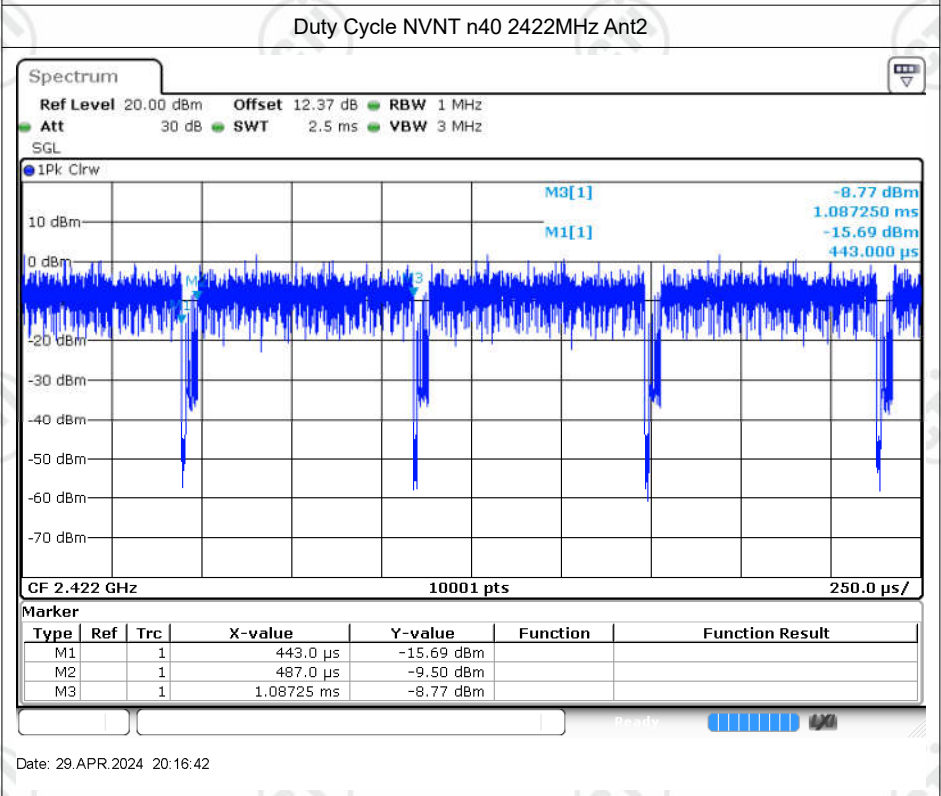
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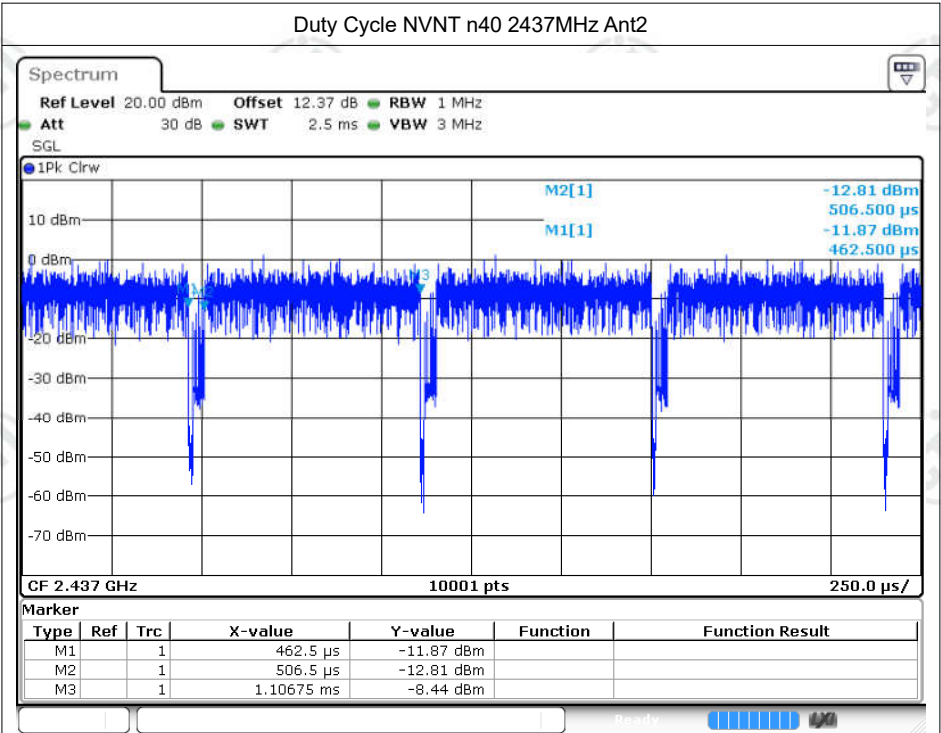
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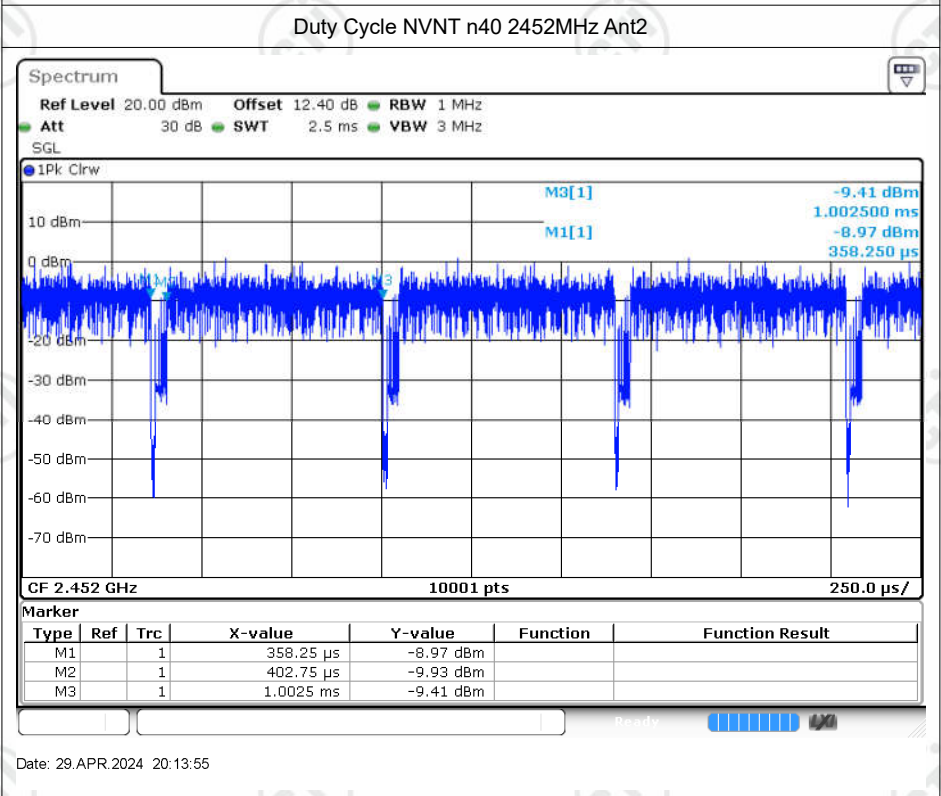
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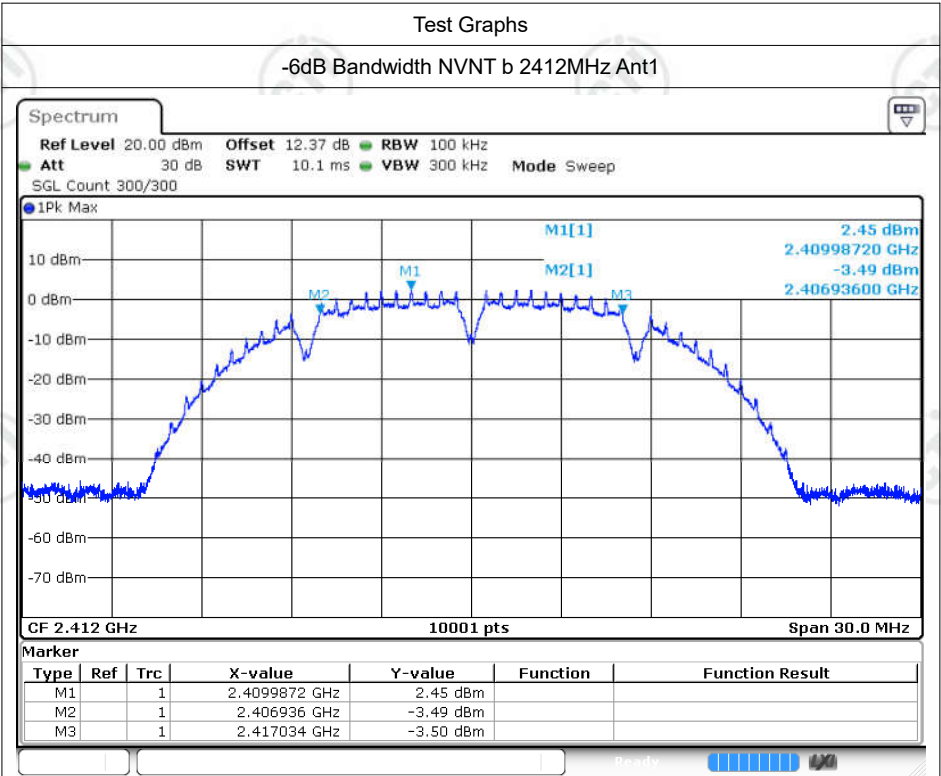
Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	13.84	0	13.84	30	Pass
NVNT	b	2437	Ant1	13.73	0	13.73	30	Pass
NVNT	b	2462	Ant1	13.13	0	13.13	30	Pass
NVNT	b	2412	Ant2	14.08	0	14.08	30	Pass
NVNT	b	2437	Ant2	14.49	0	14.49	30	Pass
NVNT	b	2462	Ant2	14.19	0	14.19	30	Pass
NVLT	b	2412	Ant1	13.85	0	13.85	30	Pass
NVHT	b	2412	Ant1	13.85	0	13.85	30	Pass
NVNT	g	2412	Ant1	13.55	0	13.55	30	Pass
NVNT	g	2437	Ant1	13.15	0	13.15	30	Pass
NVNT	g	2462	Ant1	13.32	0	13.32	30	Pass
NVNT	g	2412	Ant2	13.67	0	13.67	30	Pass
NVNT	g	2437	Ant2	13.48	0	13.48	30	Pass
NVNT	g	2462	Ant2	13.22	0	13.22	30	Pass
NVNT	n20	2412	Ant1	14.22	0	14.22	30	Pass
NVNT	n20	2437	Ant1	13.09	0	13.09	30	Pass
NVNT	n20	2462	Ant1	13.19	0	13.19	30	Pass
NVNT	n20	2412	Ant2	13.54	0	13.54	30	Pass
NVNT	n20	2437	Ant2	13.53	0	13.53	30	Pass
NVNT	n20	2462	Ant2	13.2	0	13.2	30	Pass
NVNT	n20	2412	Ant1	10.91	0	10.91	30	Pass
NVNT	n20	2412	Ant2	11.05	0	11.05	30	Pass
NVNT	n20	2412	Sum	13.99	0	13.99	30	Pass
NVNT	n20	2437	Ant1	10.4	0	10.4	30	Pass
NVNT	n20	2437	Ant2	10.95	0	10.95	30	Pass
NVNT	n20	2437	Sum	13.69	0	13.69	30	Pass
NVNT	n20	2462	Ant1	9.79	0	9.79	30	Pass
NVNT	n20	2462	Ant2	10.71	0	10.71	30	Pass
NVNT	n20	2462	Sum	13.28	0	13.28	30	Pass
NVNT	n40	2422	Ant1	13.57	0	13.57	30	Pass
NVNT	n40	2437	Ant1	13.23	0	13.23	30	Pass
NVNT	n40	2452	Ant1	13.61	0	13.61	30	Pass
NVNT	n40	2422	Ant2	13.55	0	13.55	30	Pass
NVNT	n40	2437	Ant2	13.53	0	13.53	30	Pass
NVNT	n40	2452	Ant2	13.52	0	13.52	30	Pass
NVNT	n40	2422	Ant1	10.14	0	10.14	30	Pass
NVNT	n40	2422	Ant2	10.4	0	10.4	30	Pass

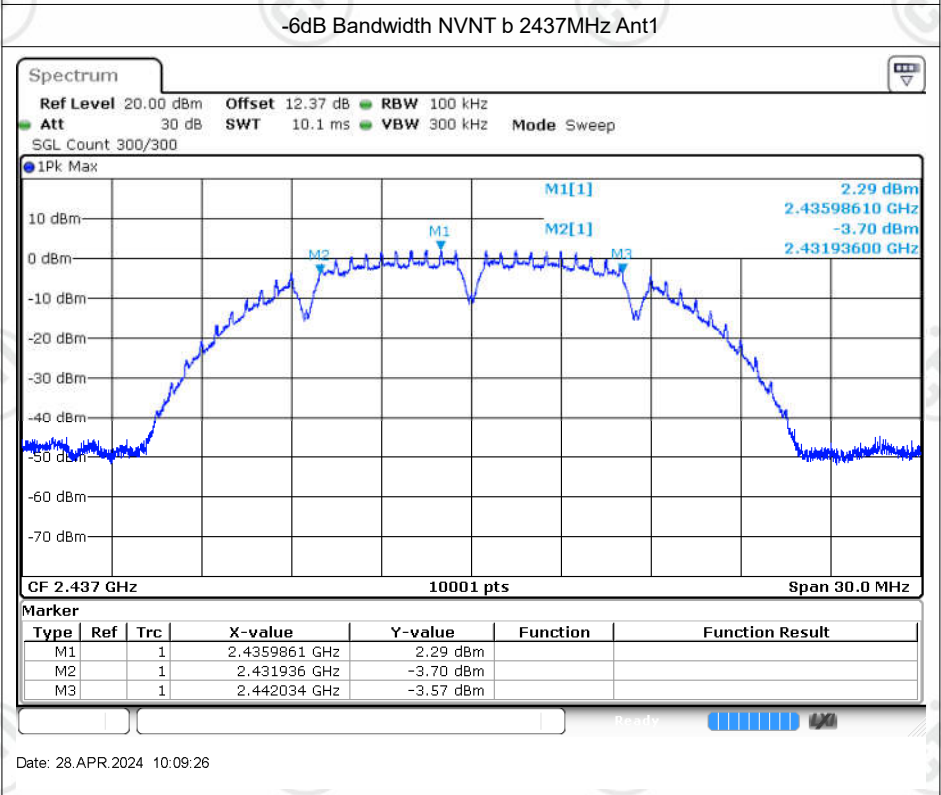
NVNT	n40	2422	Sum	13.28	0	13.28	30	Pass
NVNT	n40	2437	Ant1	10.62	0	10.62	30	Pass
NVNT	n40	2437	Ant2	11.04	0	11.04	30	Pass
NVNT	n40	2437	Sum	13.85	0	13.85	30	Pass
NVNT	n40	2452	Ant1	10	0	10	30	Pass
NVNT	n40	2452	Ant2	10.85	0	10.85	30	Pass
NVNT	n40	2452	Sum	13.46	0	13.46	30	Pass

-6dB Bandwidth

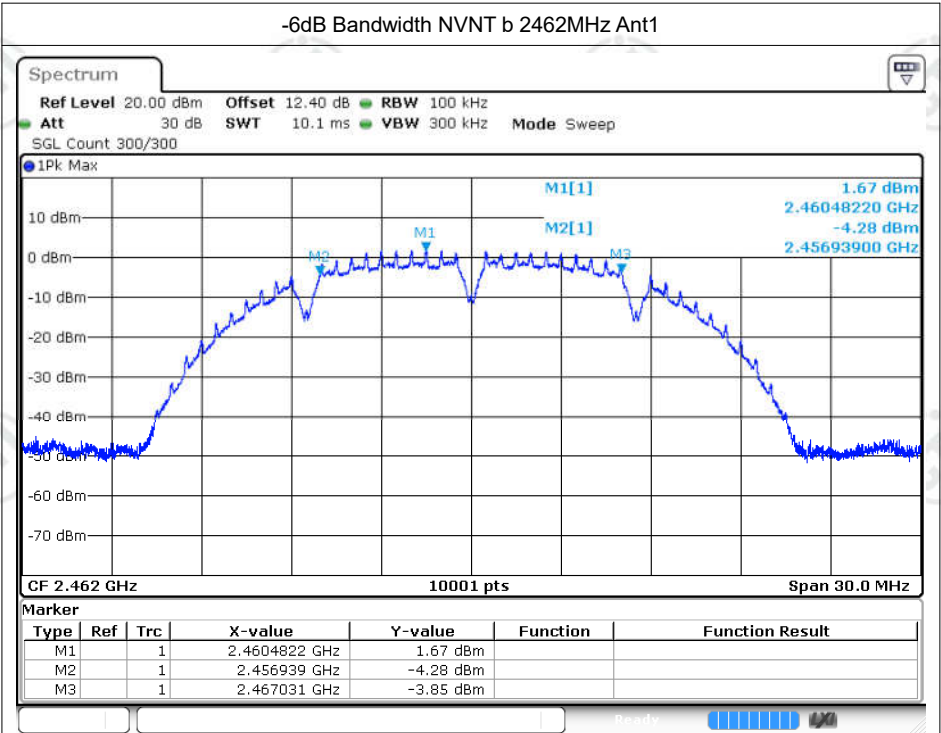
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.098	0.5	Pass
NVNT	b	2437	Ant1	10.098	0.5	Pass
NVNT	b	2462	Ant1	10.092	0.5	Pass
NVNT	b	2412	Ant2	10.083	0.5	Pass
NVNT	b	2437	Ant2	10.104	0.5	Pass
NVNT	b	2462	Ant2	10.101	0.5	Pass
NVHT	b	2412	Ant1	10.113	0.5	Pass
NVNT	g	2412	Ant1	16.305	0.5	Pass
NVNT	g	2437	Ant1	16.305	0.5	Pass
NVNT	g	2462	Ant1	16.305	0.5	Pass
NVNT	g	2412	Ant2	16.305	0.5	Pass
NVNT	g	2437	Ant2	16.293	0.5	Pass
NVNT	g	2462	Ant2	16.308	0.5	Pass
NVNT	n20	2412	Ant1	17.532	0.5	Pass
NVNT	n20	2437	Ant1	17.517	0.5	Pass
NVNT	n20	2462	Ant1	17.532	0.5	Pass
NVNT	n20	2412	Ant2	17.511	0.5	Pass
NVNT	n20	2437	Ant2	17.16	0.5	Pass
NVNT	n20	2462	Ant2	17.523	0.5	Pass
NVNT	n40	2422	Ant1	36.204	0.5	Pass
NVNT	n40	2437	Ant1	36.138	0.5	Pass
NVNT	n40	2452	Ant1	36.144	0.5	Pass
NVNT	n40	2422	Ant2	36.306	0.5	Pass
NVNT	n40	2437	Ant2	36.3	0.5	Pass
NVNT	n40	2452	Ant2	36.27	0.5	Pass



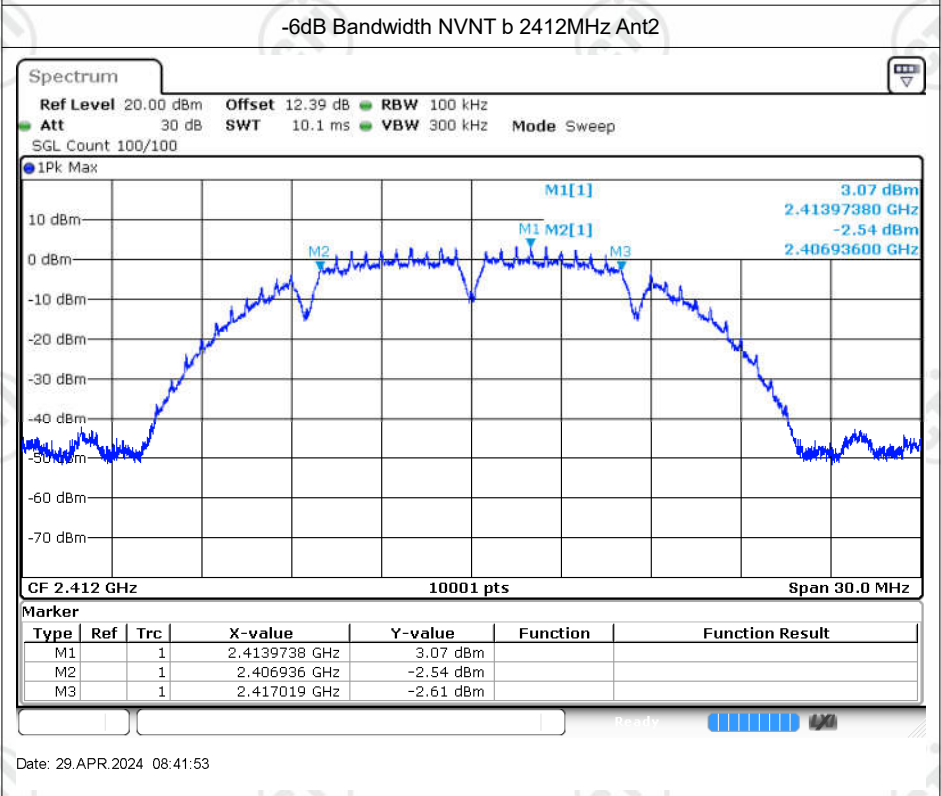
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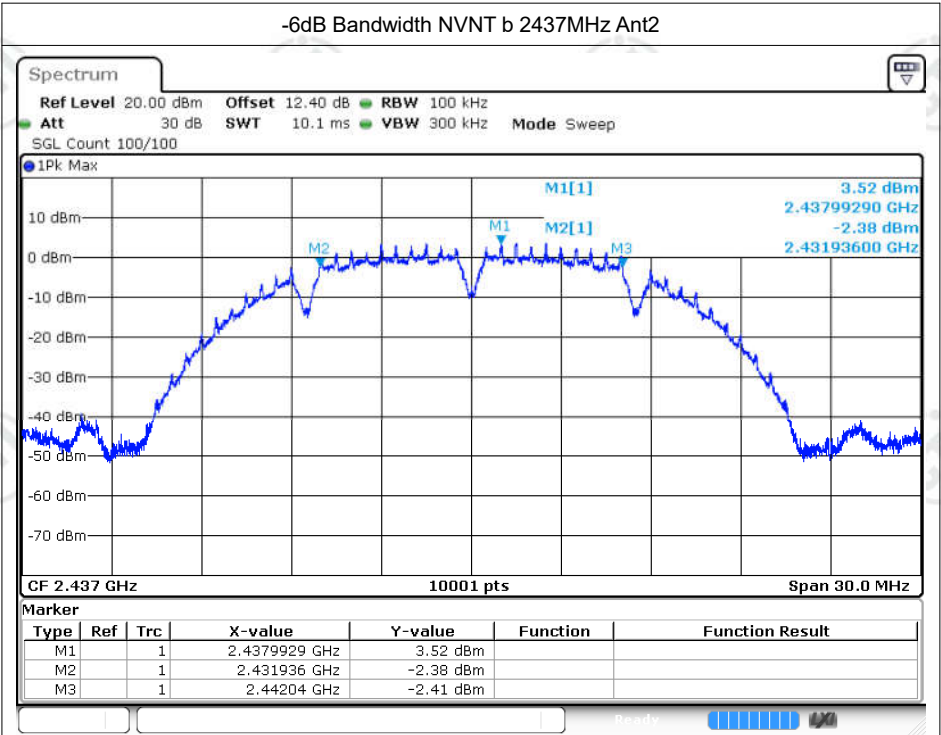
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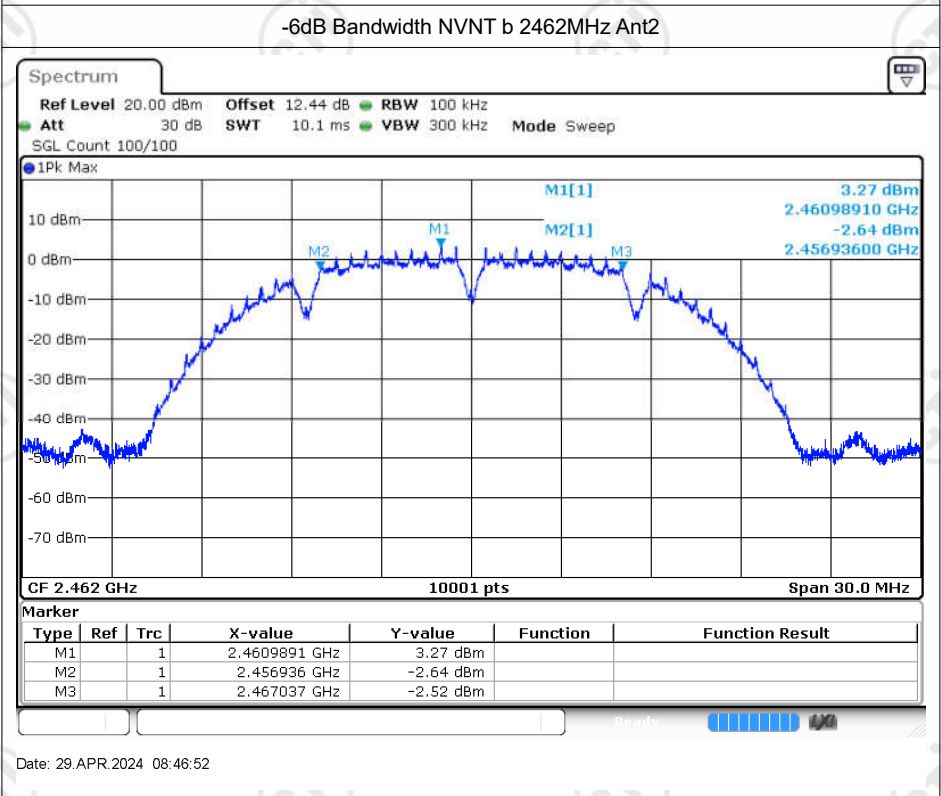
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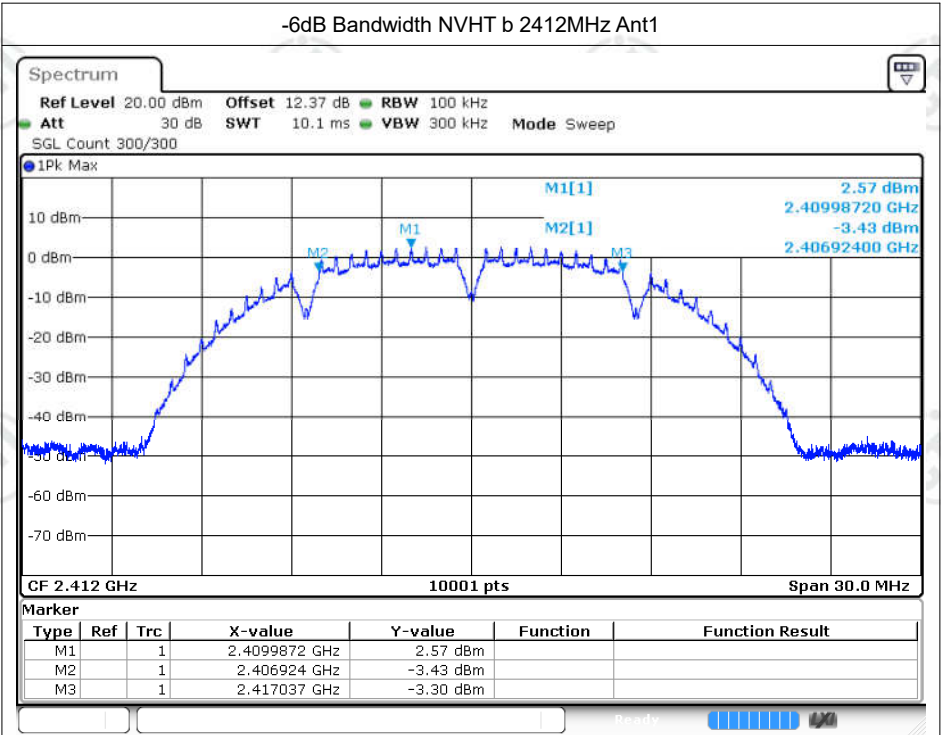
Date: 29.APR.2024 08:41:53



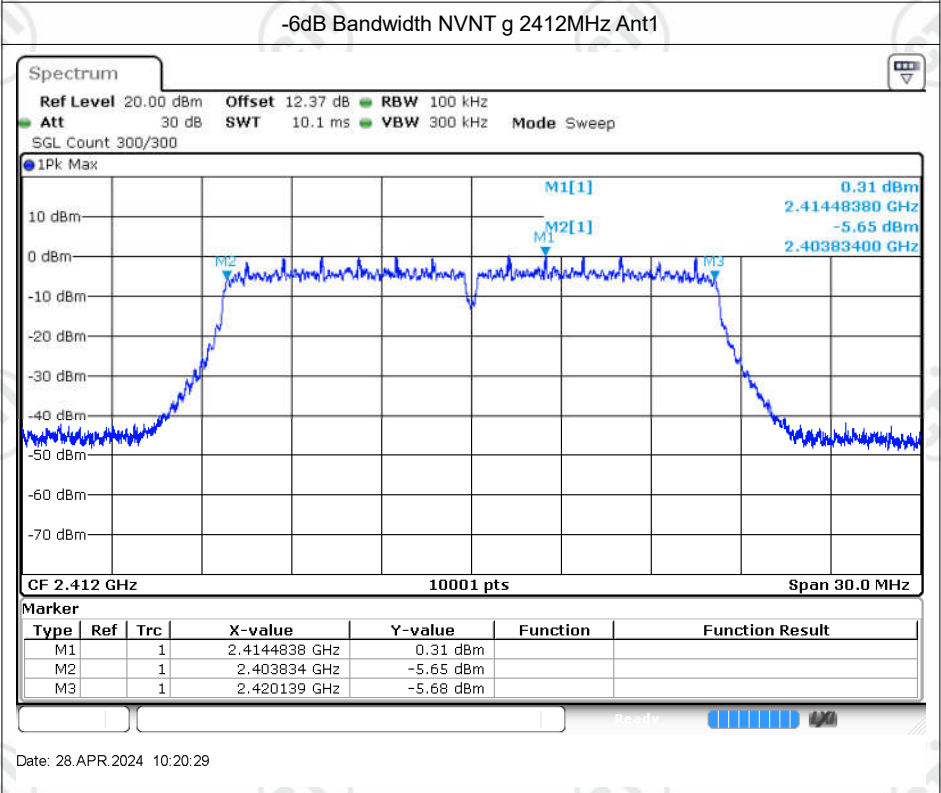
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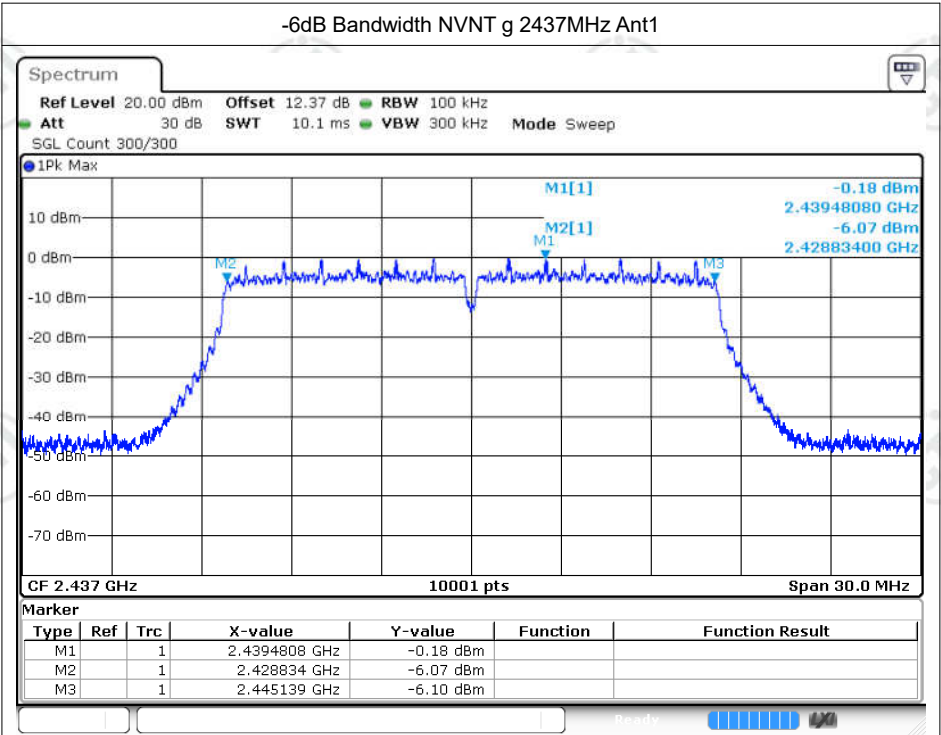
Date: 29.APR.2024 08:46:52



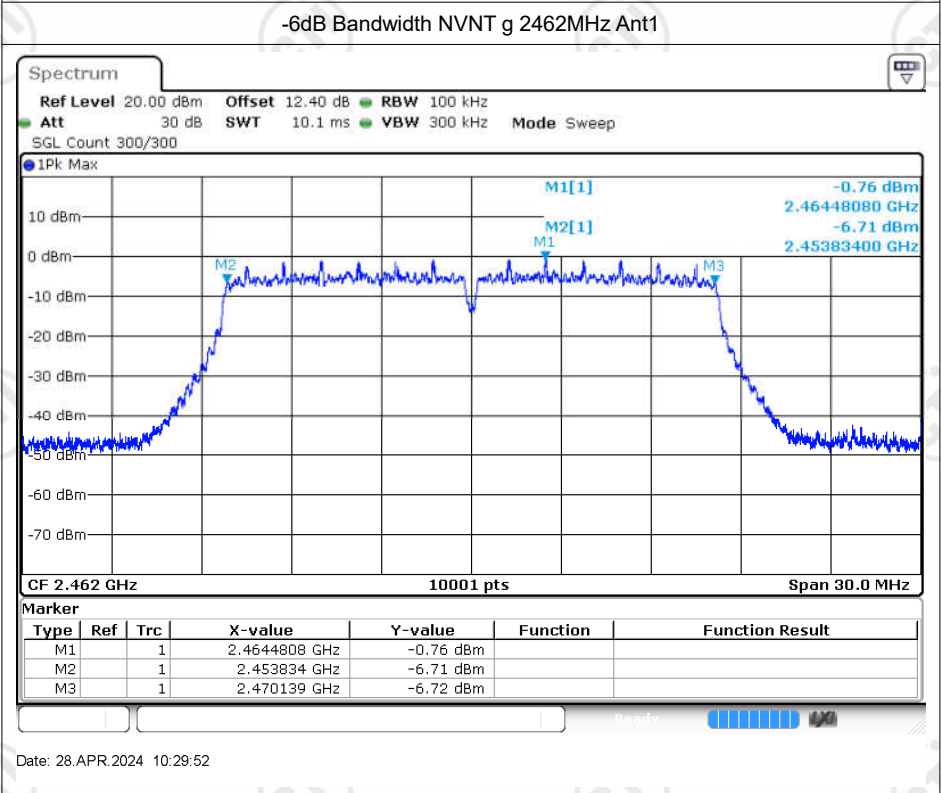
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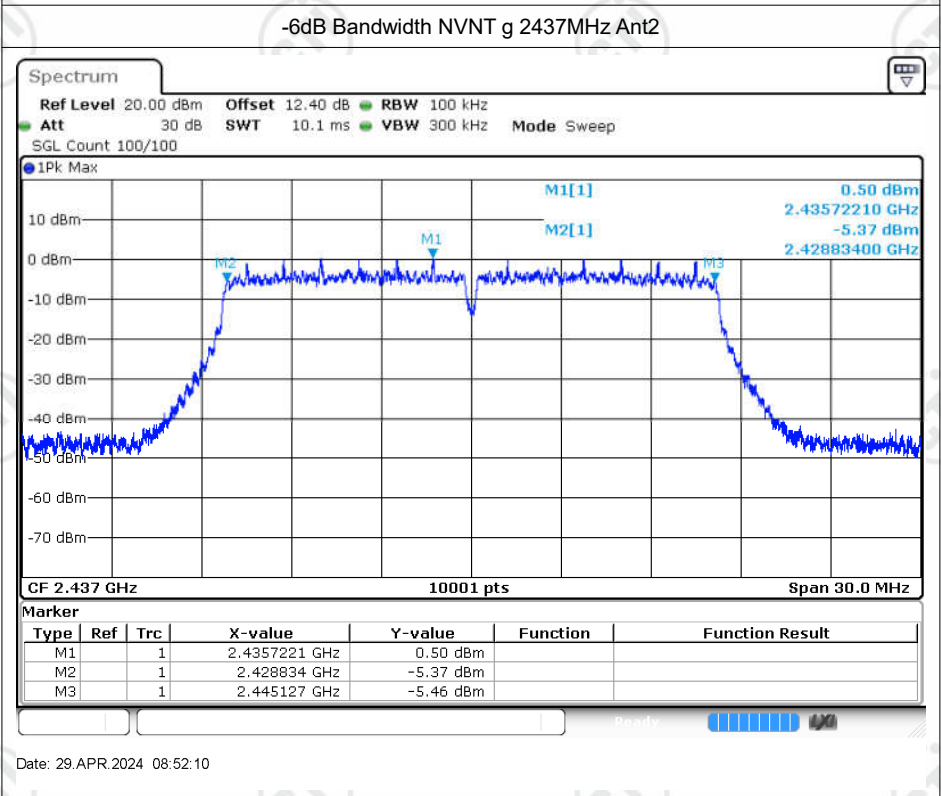
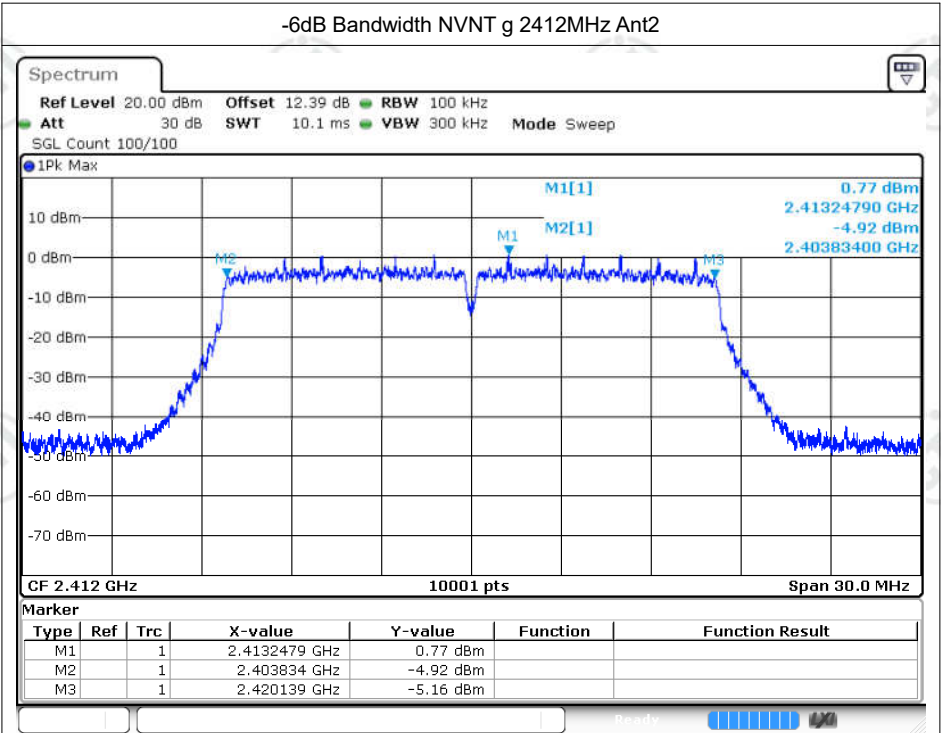
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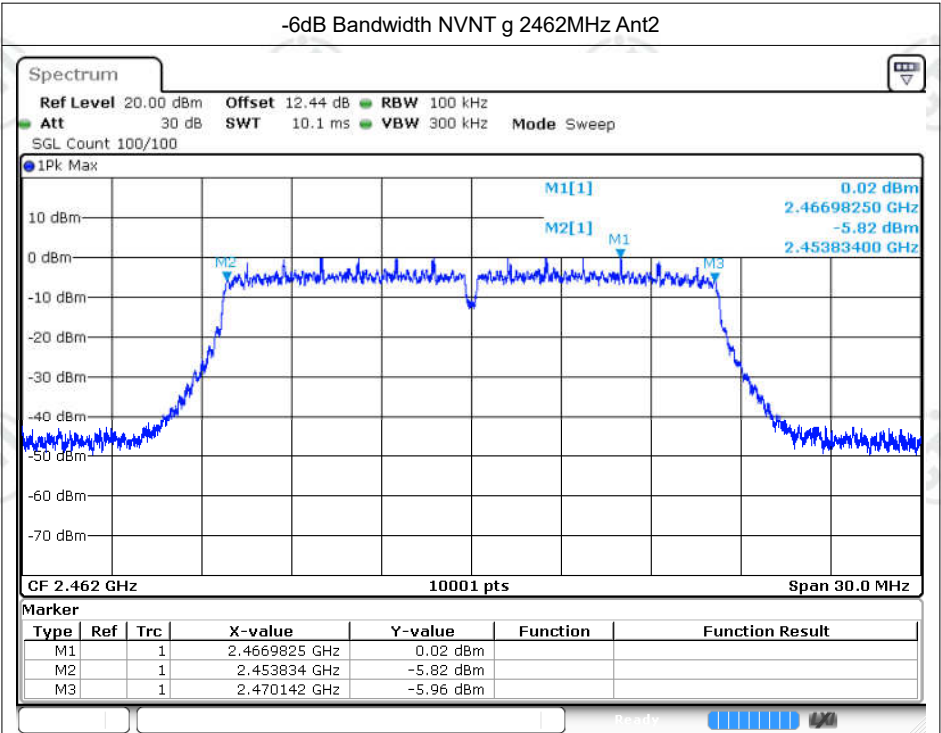


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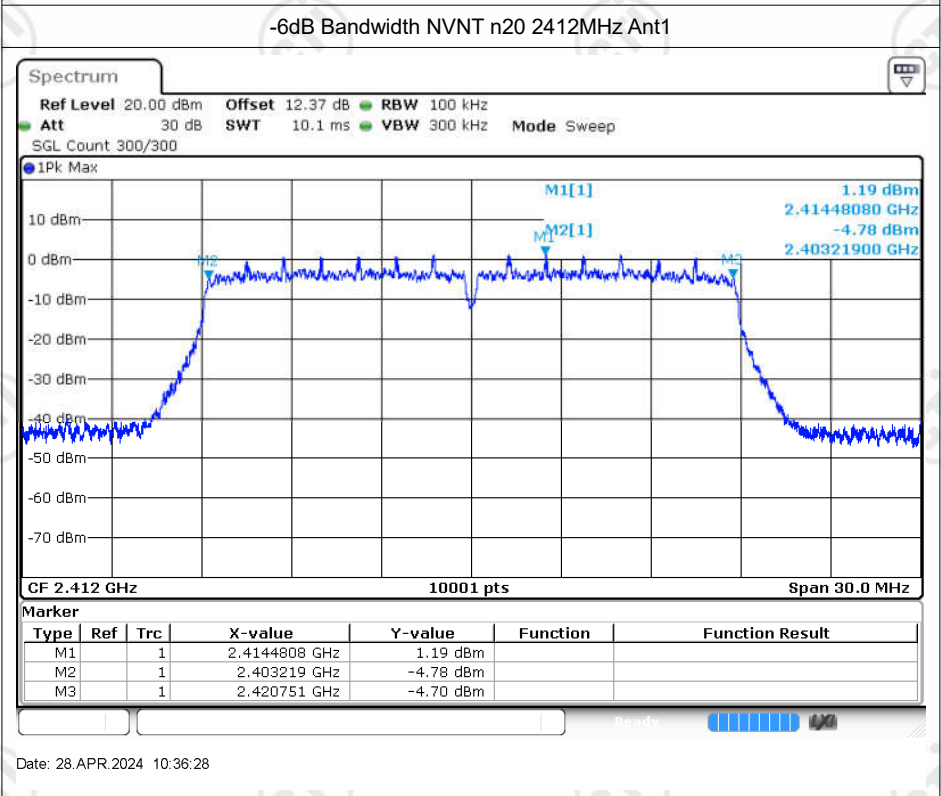


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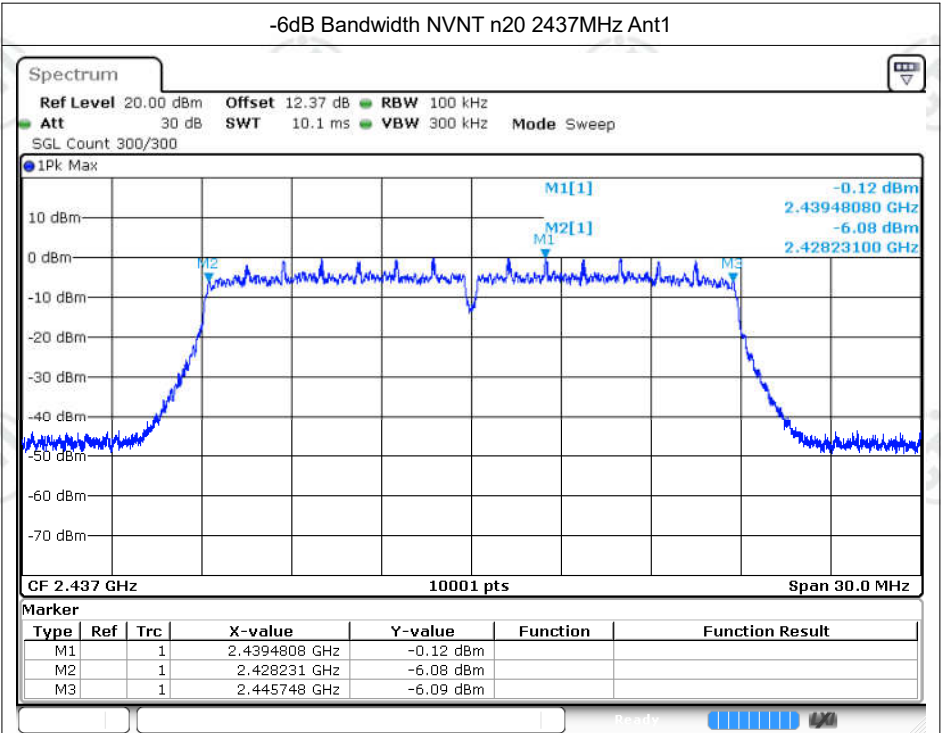




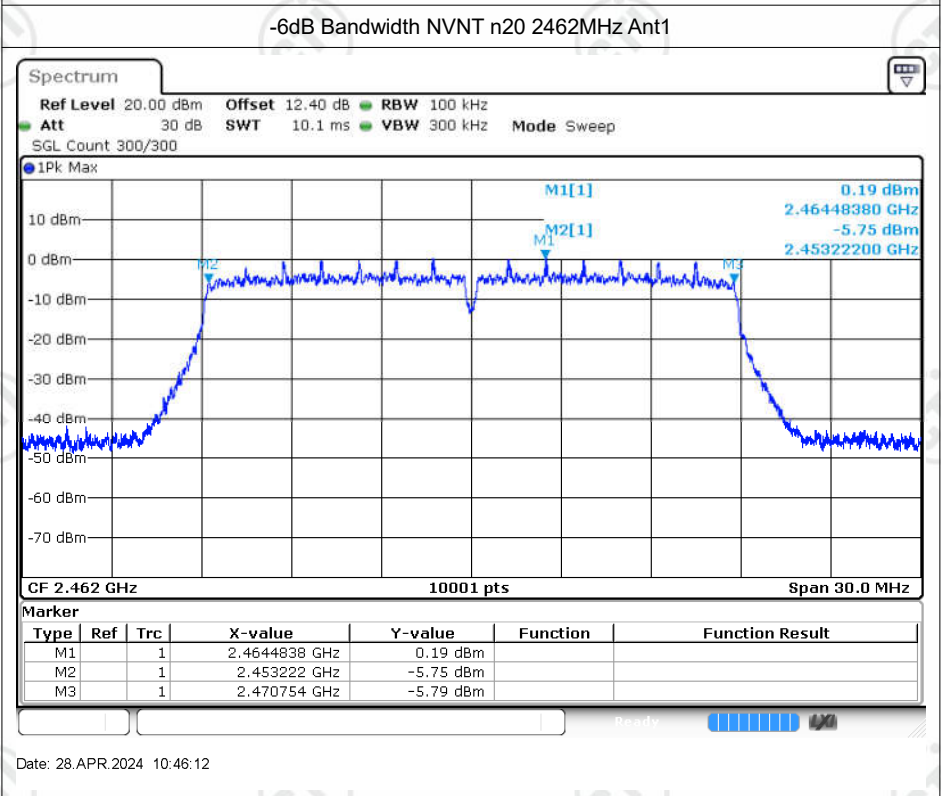
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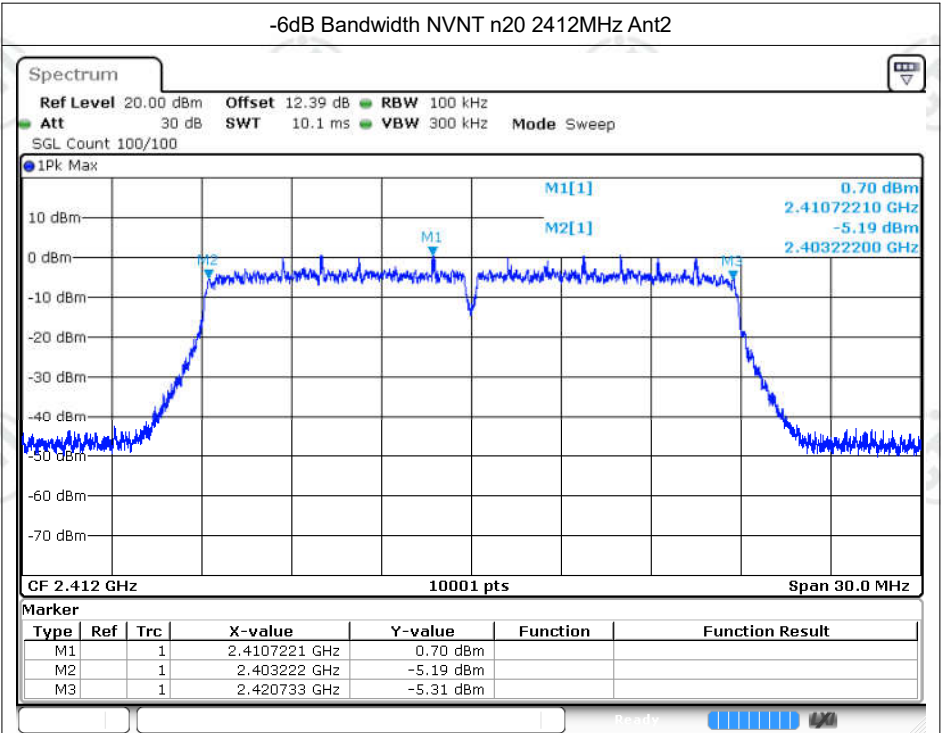
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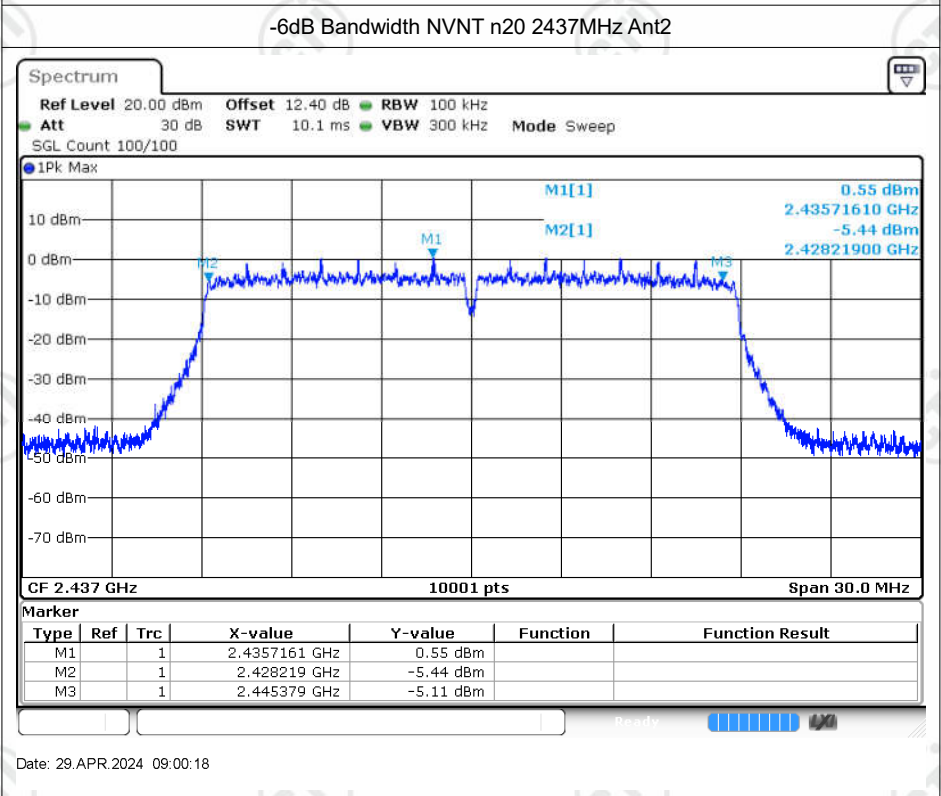
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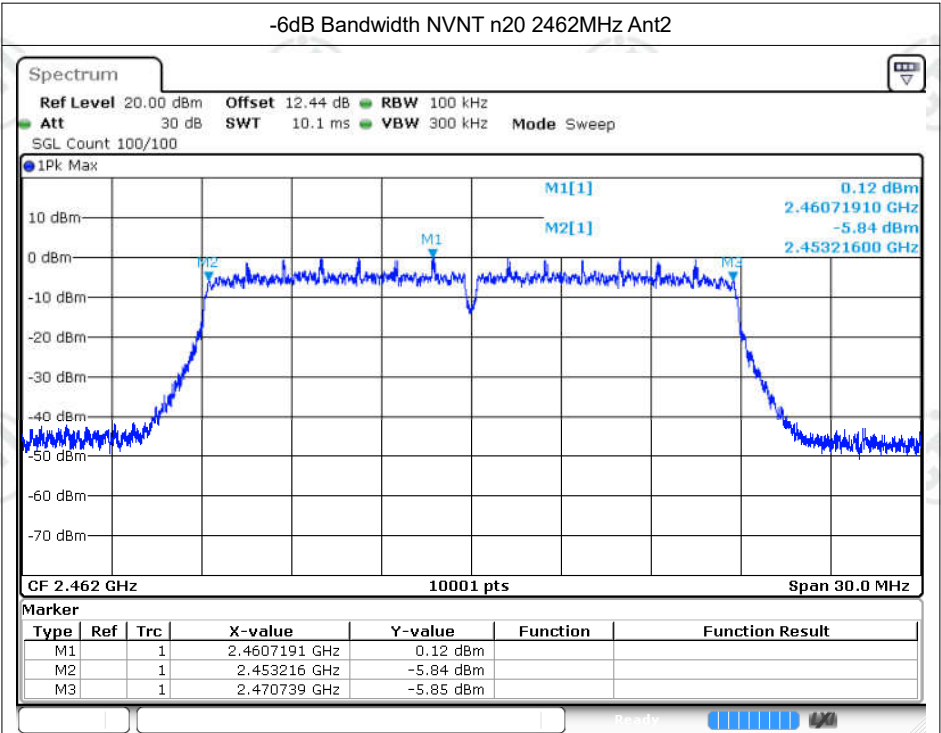
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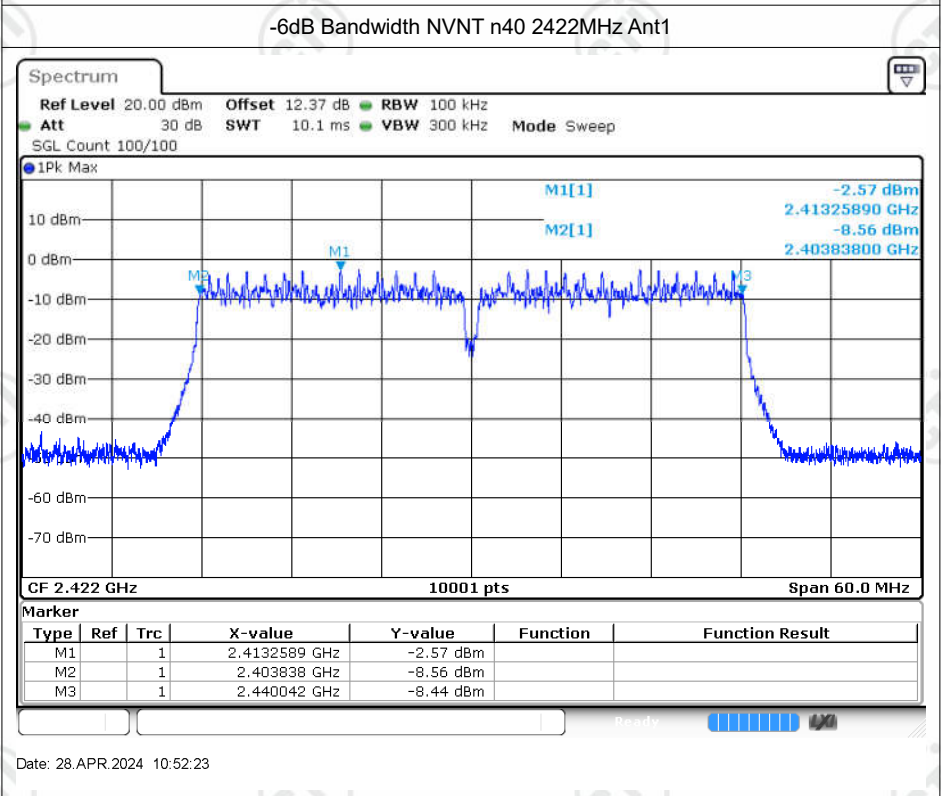
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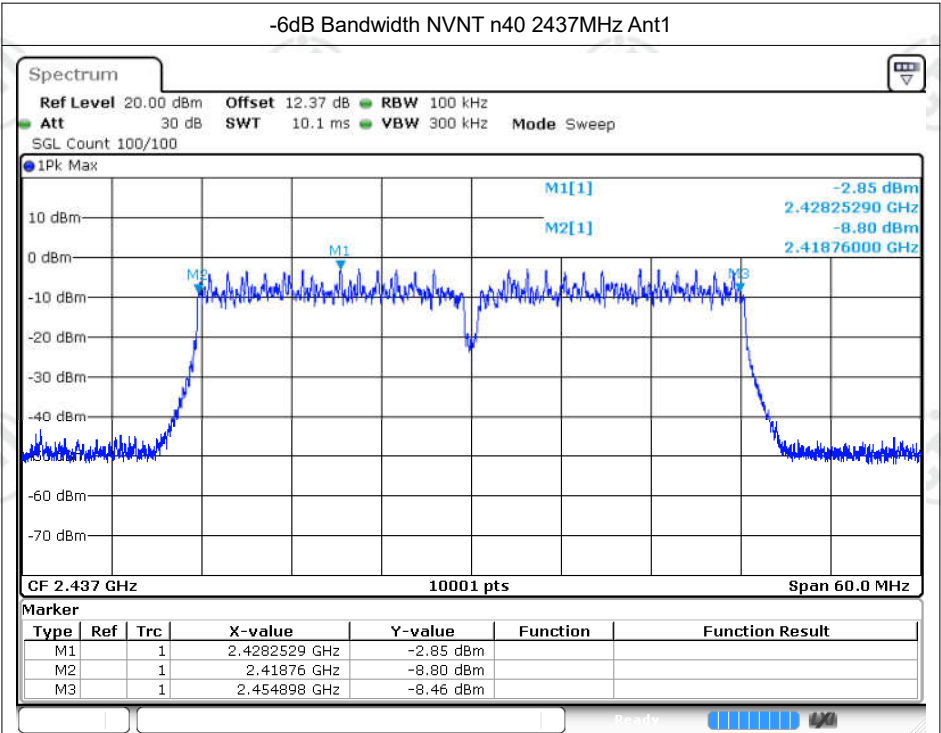
Date: 29.APR.2024 09:00:18



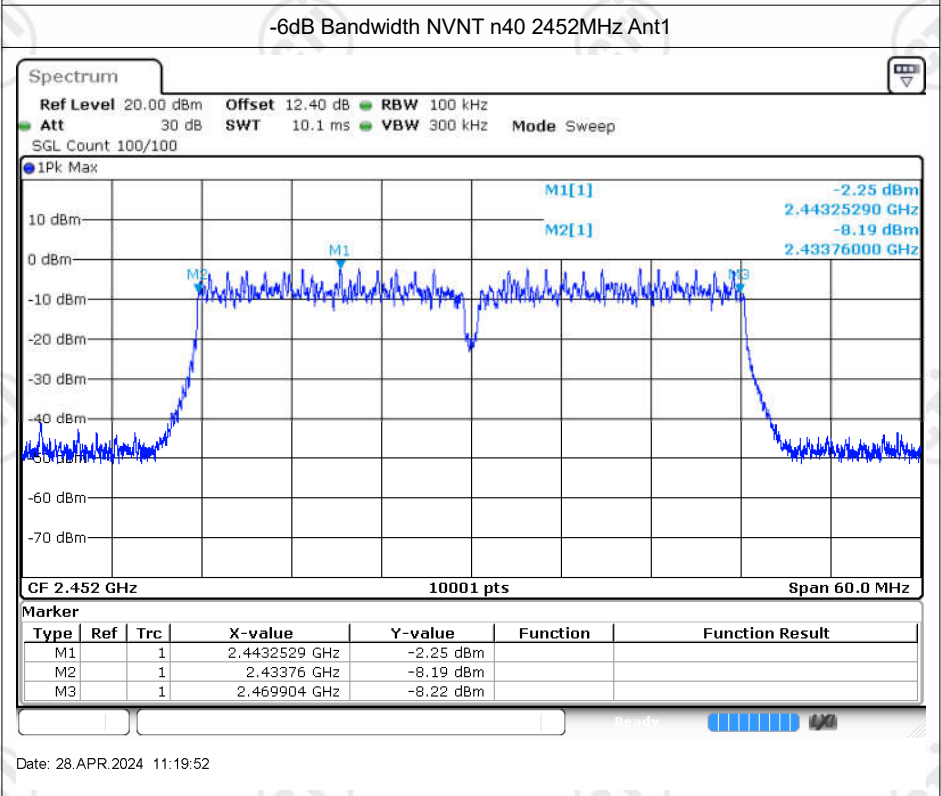
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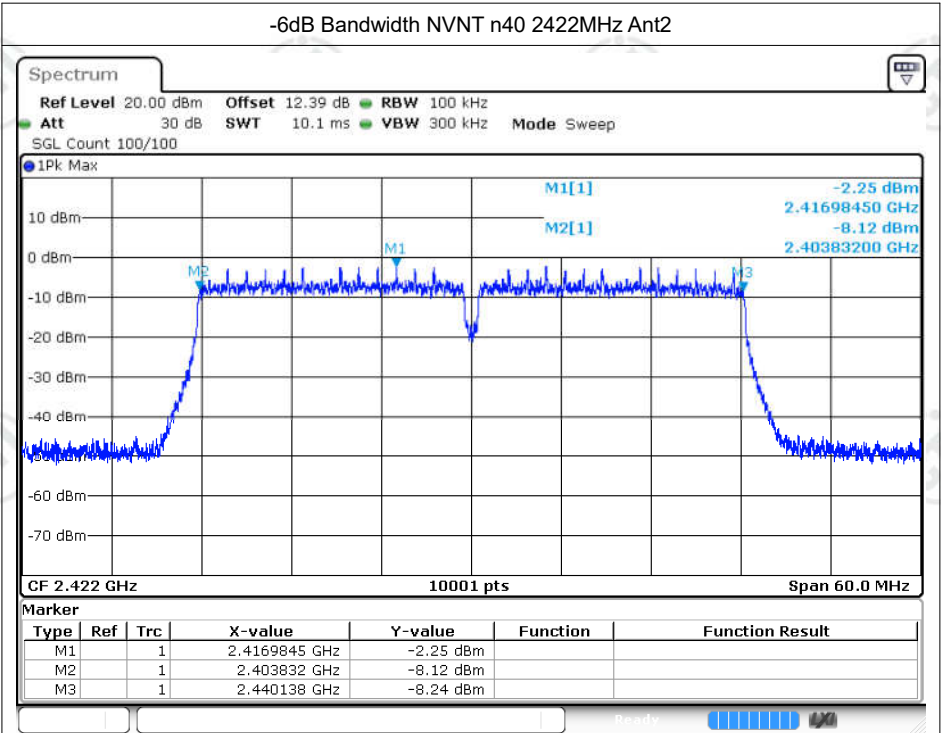
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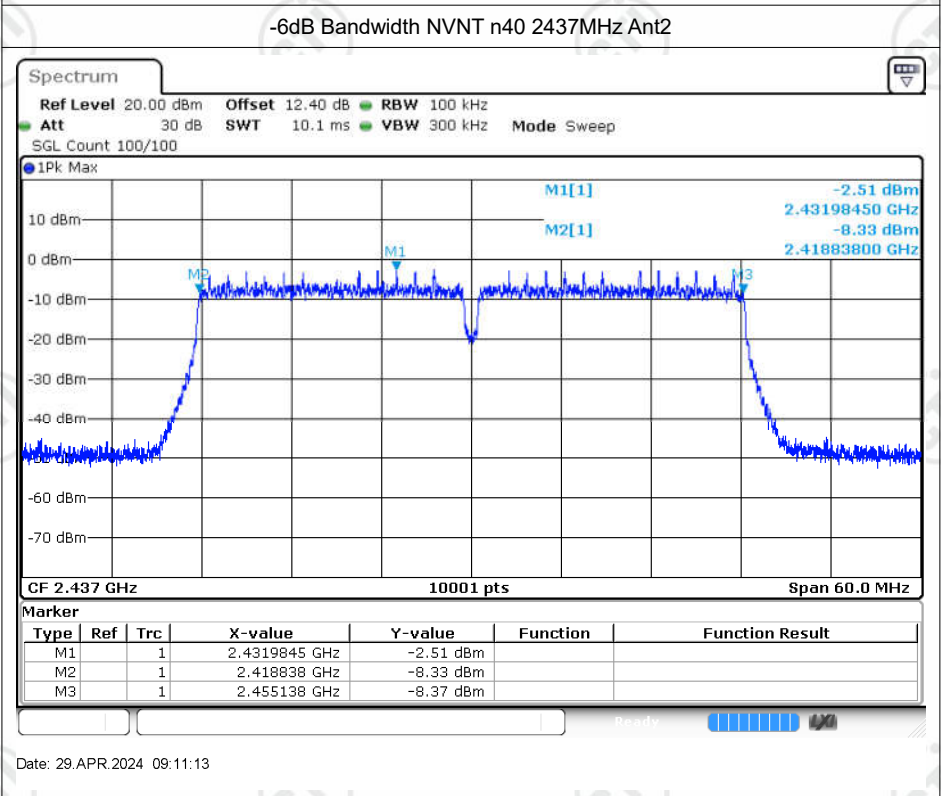
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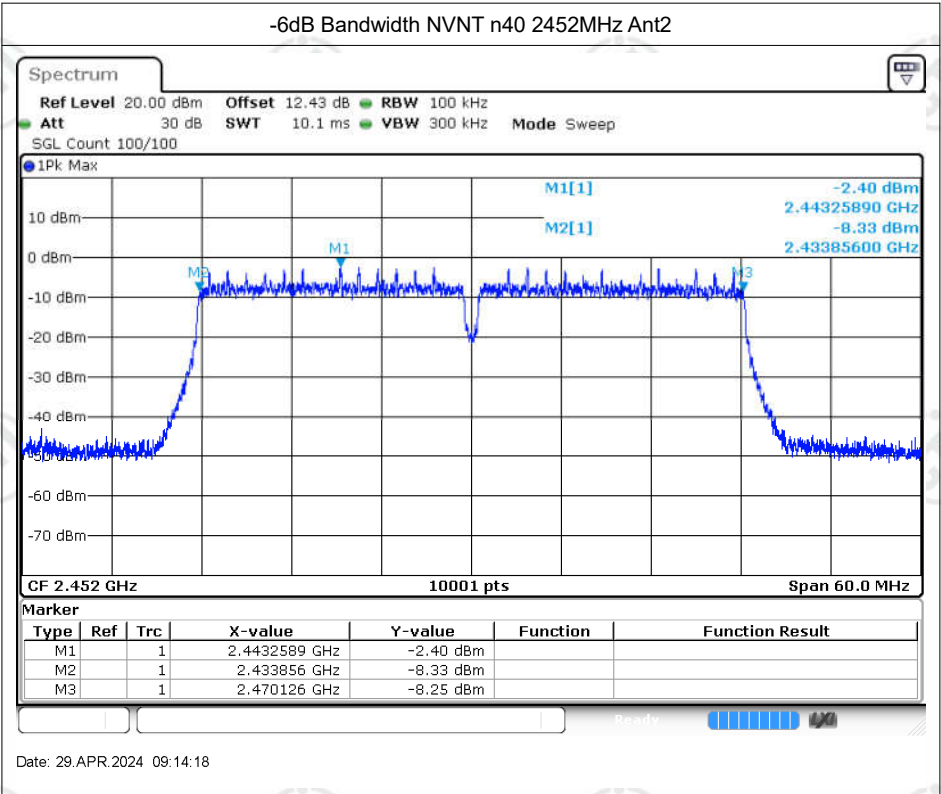
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Date: 29.APR.2024 09:07:48

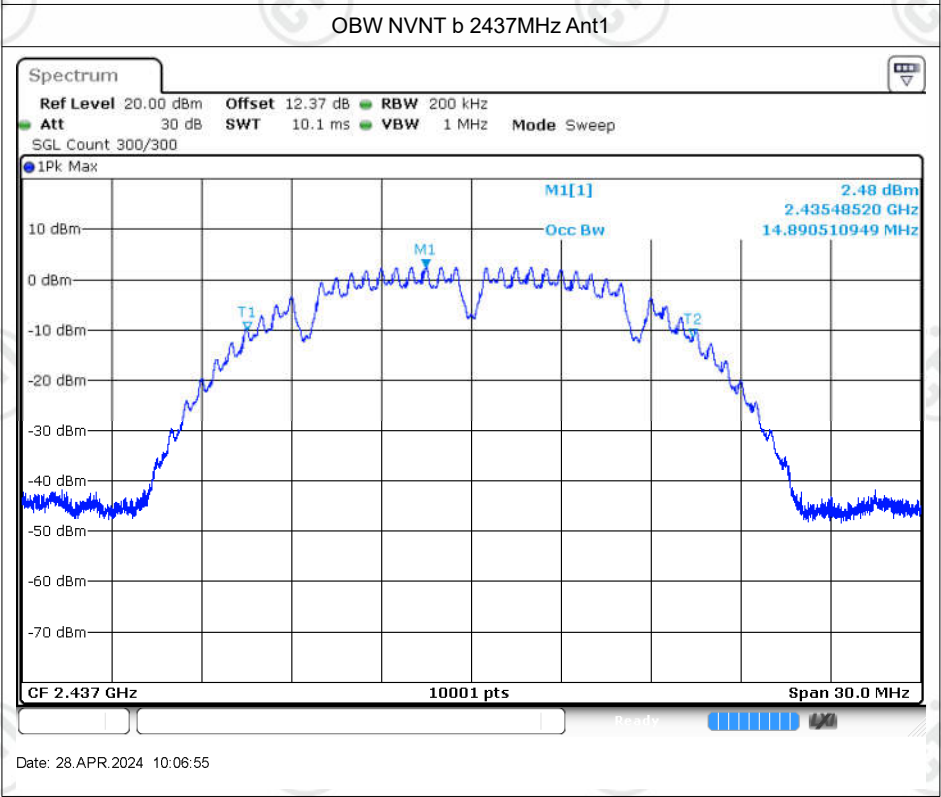
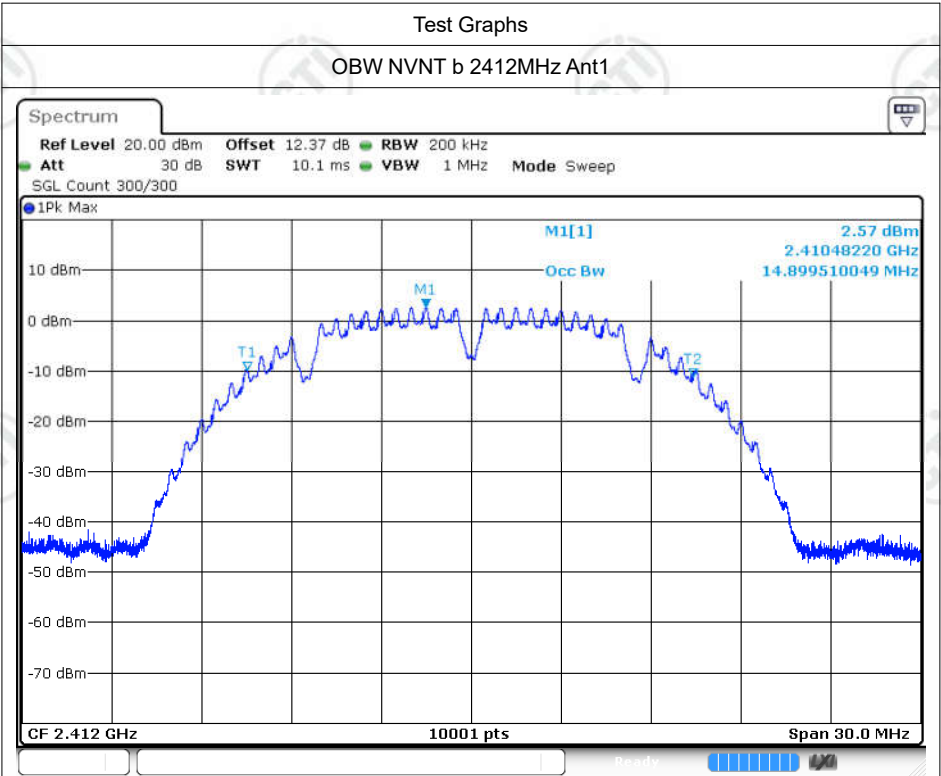


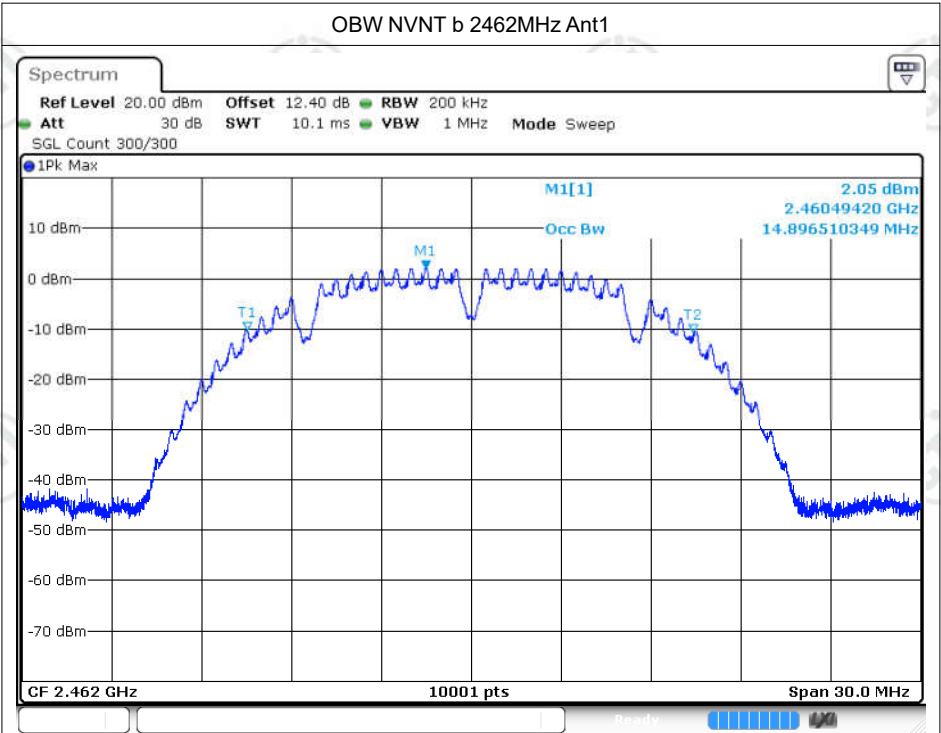
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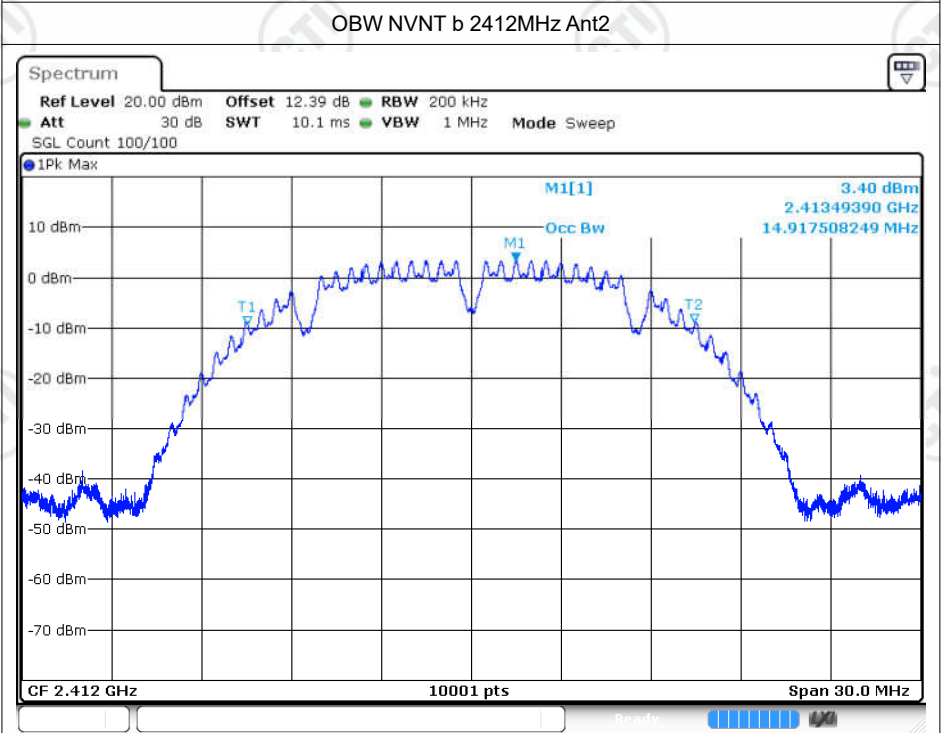
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.9
NVNT	b	2437	Ant1	14.891
NVNT	b	2462	Ant1	14.897
NVNT	b	2412	Ant2	14.918
NVNT	b	2437	Ant2	14.924
NVNT	b	2462	Ant2	14.912
NVHT	b	2412	Ant1	14.894
NVHT	b	2437	Ant1	12.482
NVNT	g	2412	Ant1	16.333
NVNT	g	2437	Ant1	16.327
NVNT	g	2462	Ant1	16.33
NVNT	g	2412	Ant2	16.33
NVNT	g	2437	Ant2	16.333
NVNT	g	2462	Ant2	16.339
NVNT	n20	2412	Ant1	17.491
NVNT	n20	2437	Ant1	17.482
NVNT	n20	2462	Ant1	17.494
NVNT	n20	2412	Ant2	17.512
NVNT	n20	2437	Ant2	17.5
NVNT	n20	2462	Ant2	17.506
NVNT	n40	2422	Ant1	36.182
NVNT	n40	2437	Ant1	36.194
NVNT	n40	2452	Ant1	36.2
NVNT	n40	2422	Ant2	36.134
NVNT	n40	2437	Ant2	36.128
NVNT	n40	2452	Ant2	36.122

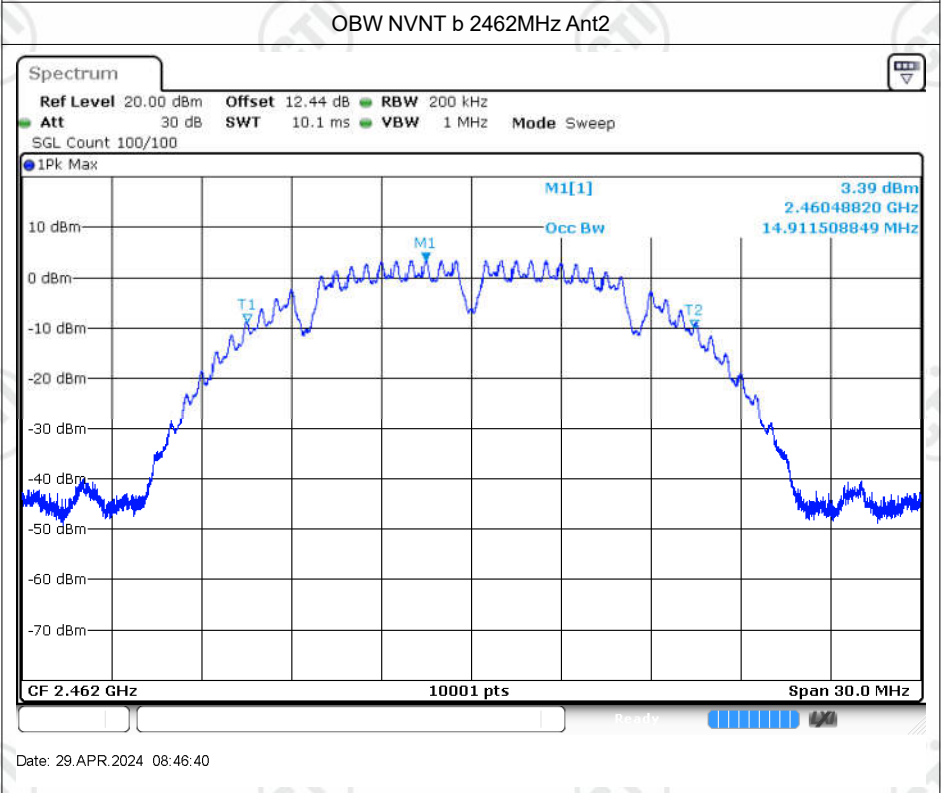
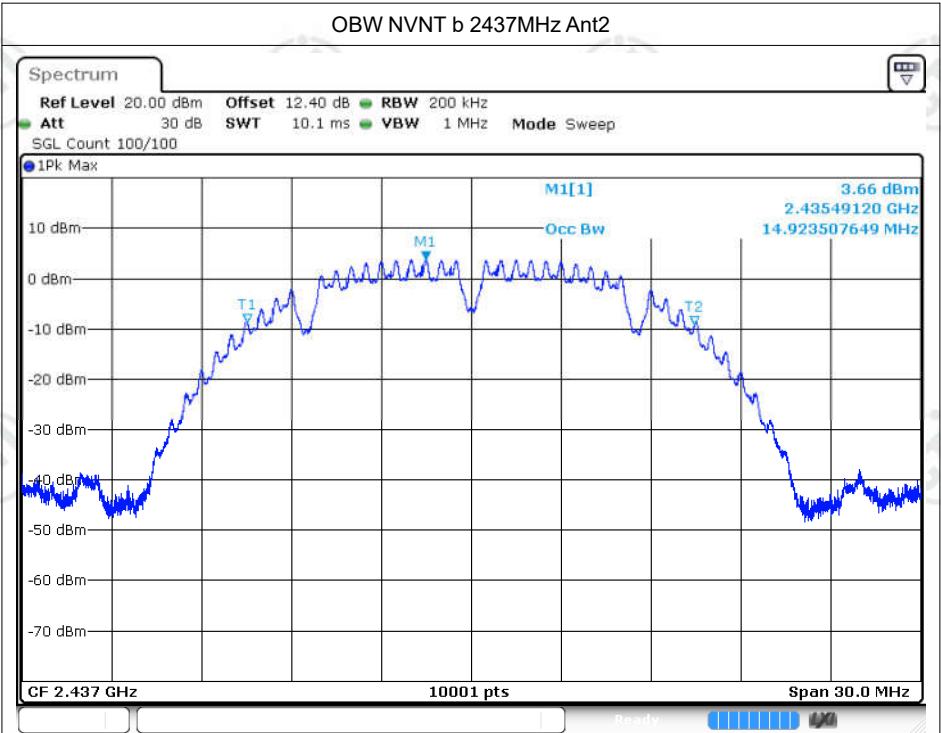


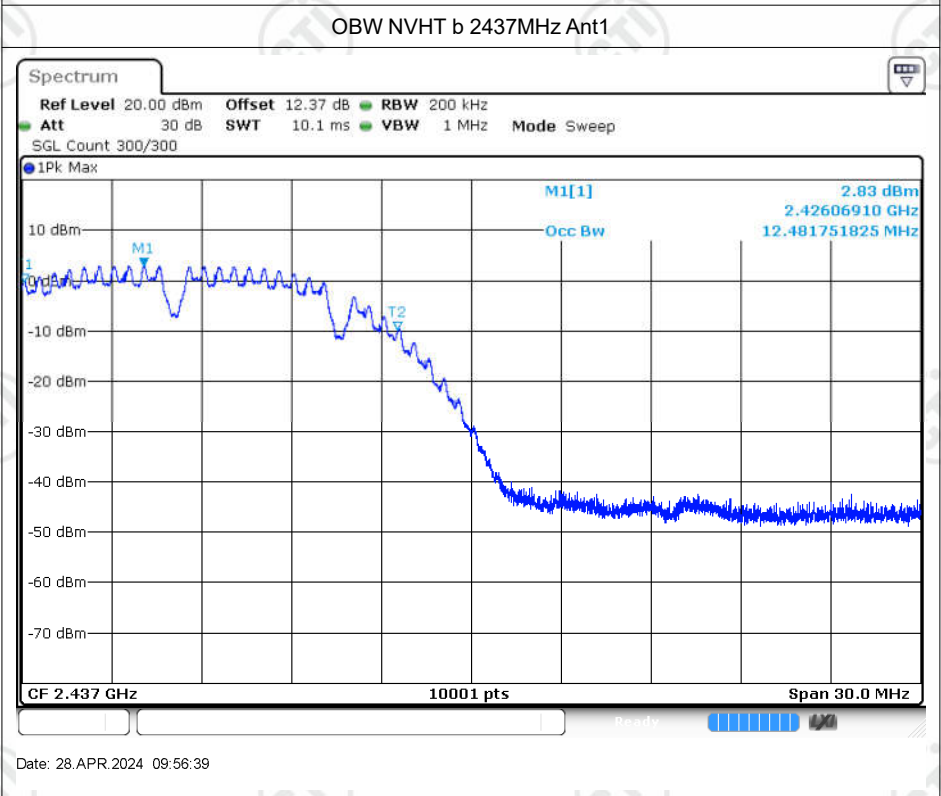
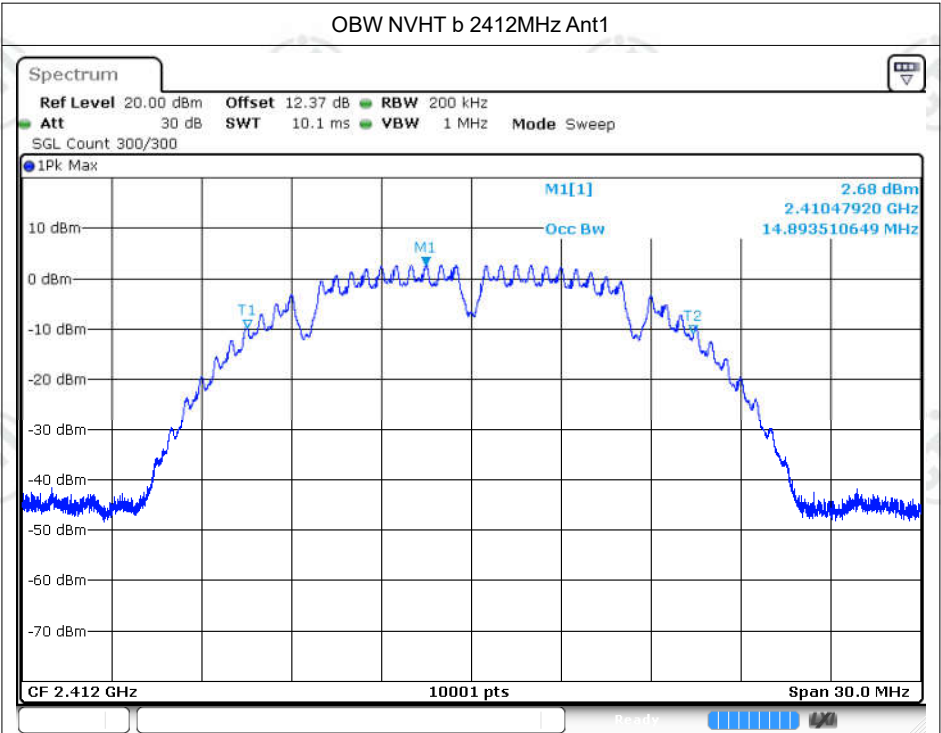


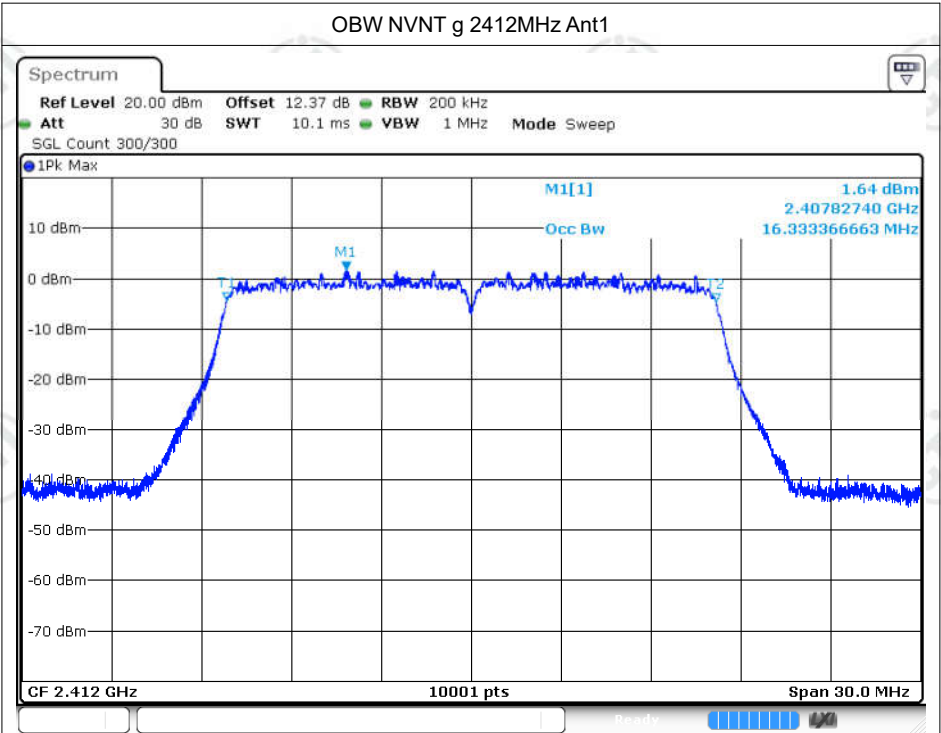
Date: 28.APR.2024 10:01:33



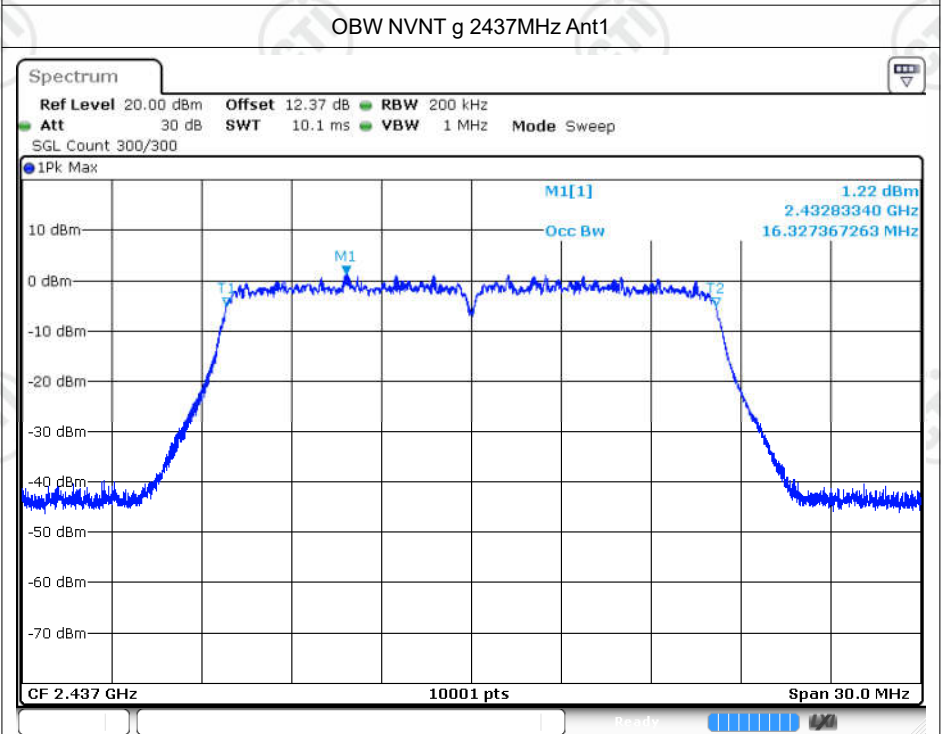
Date: 29.APR.2024 08:41:09



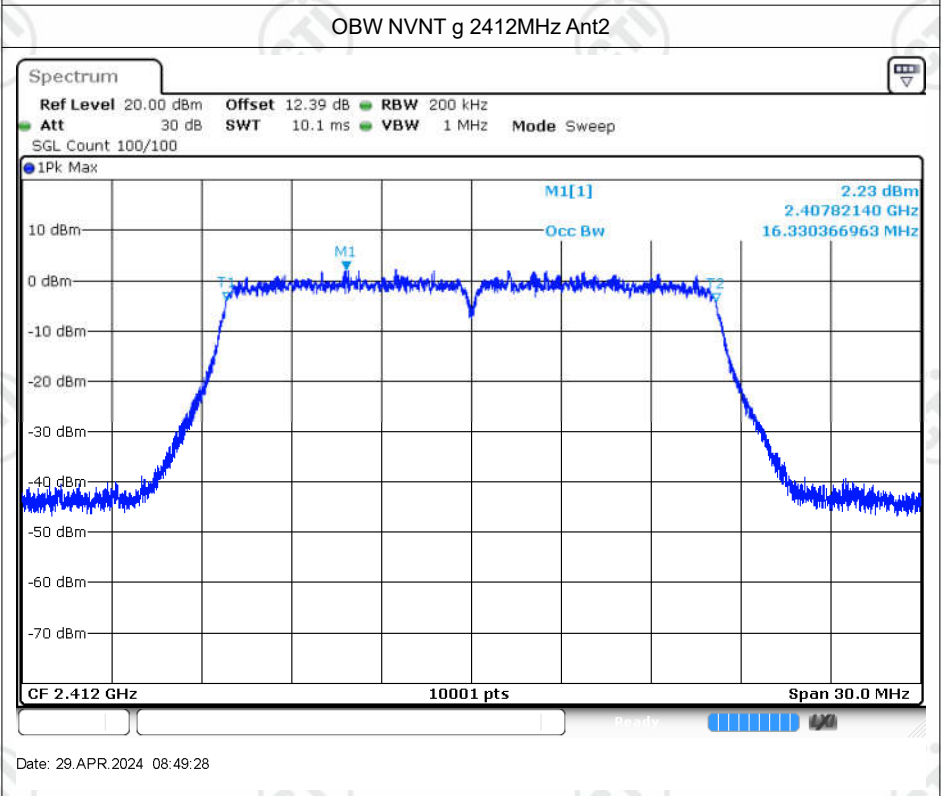
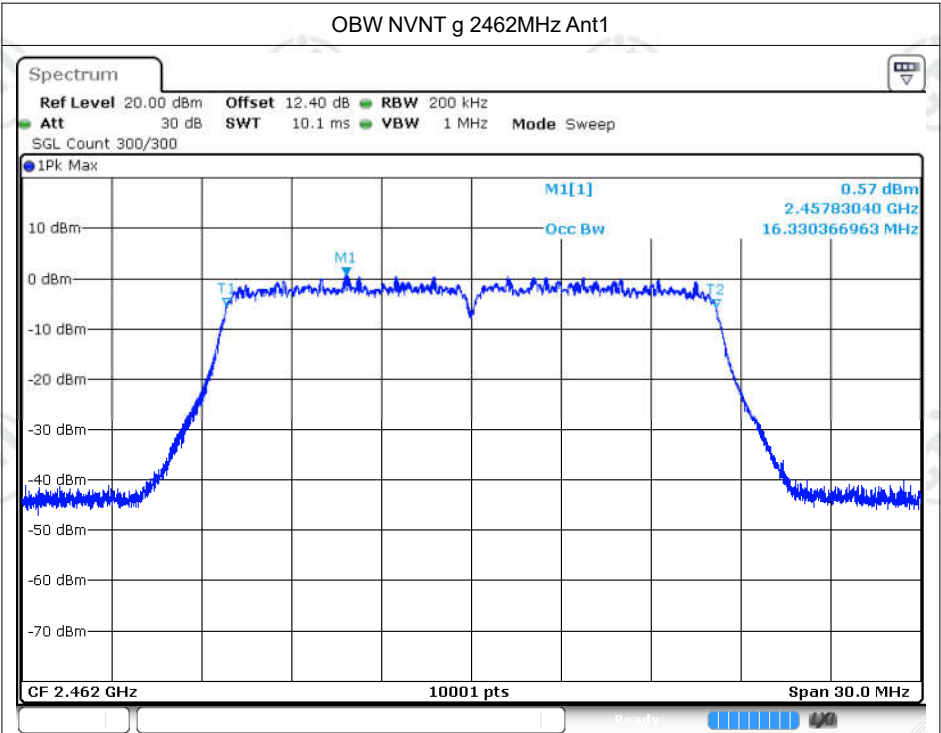


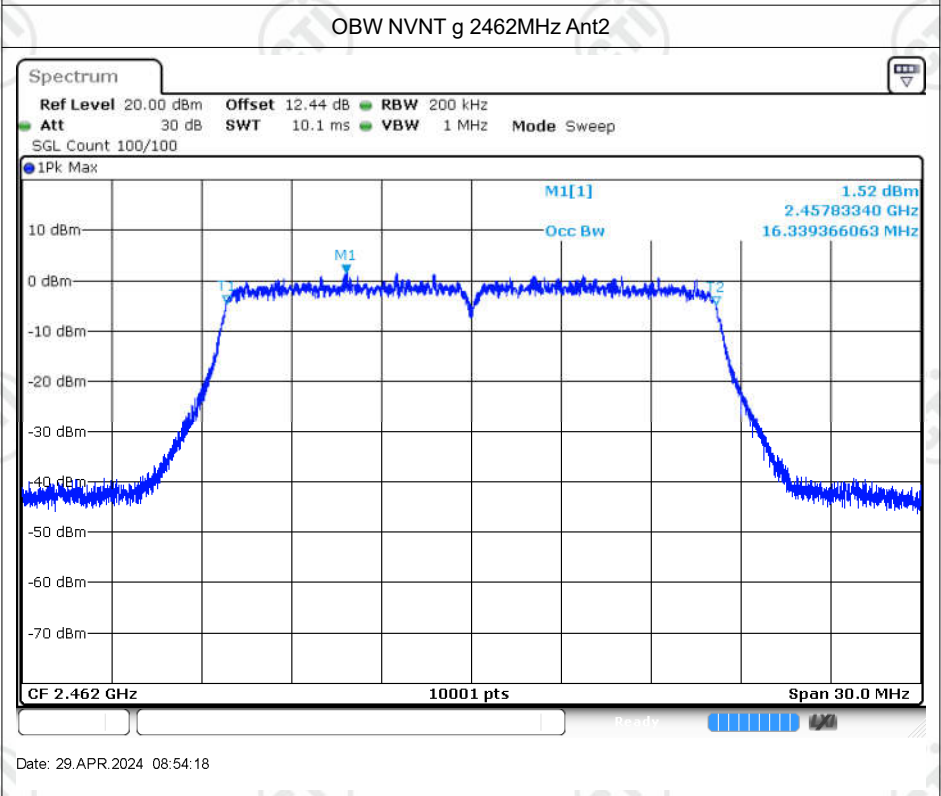
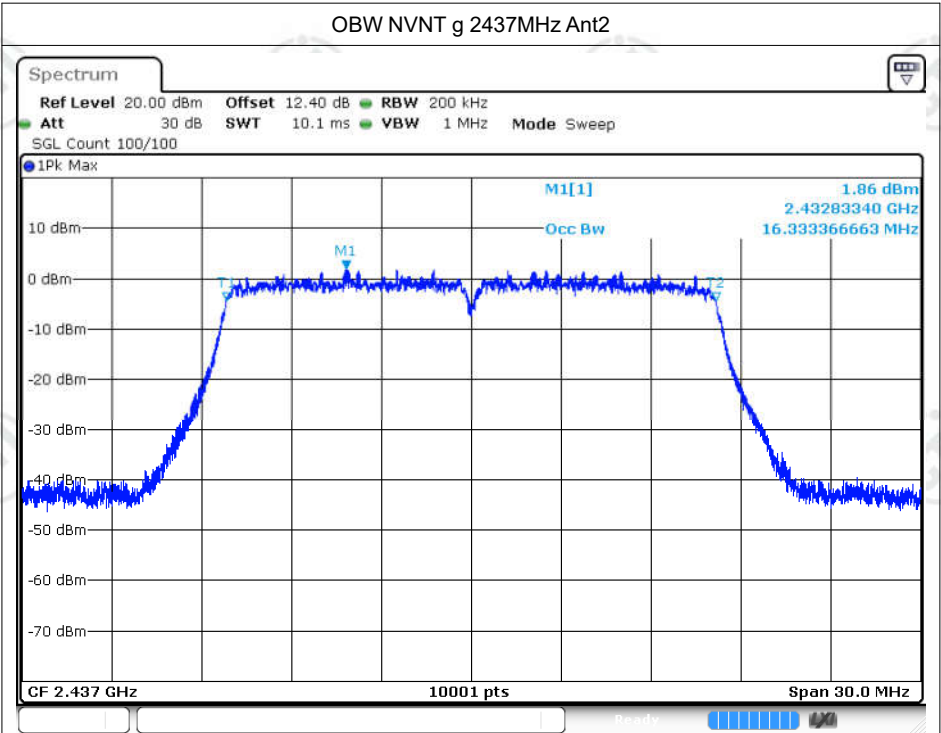


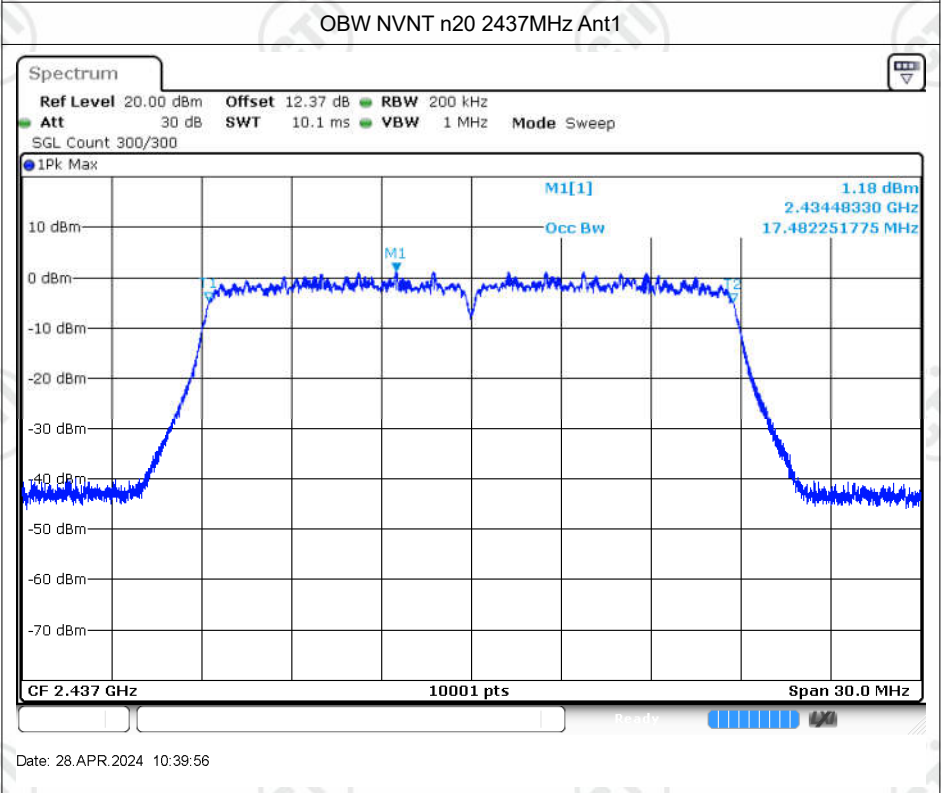
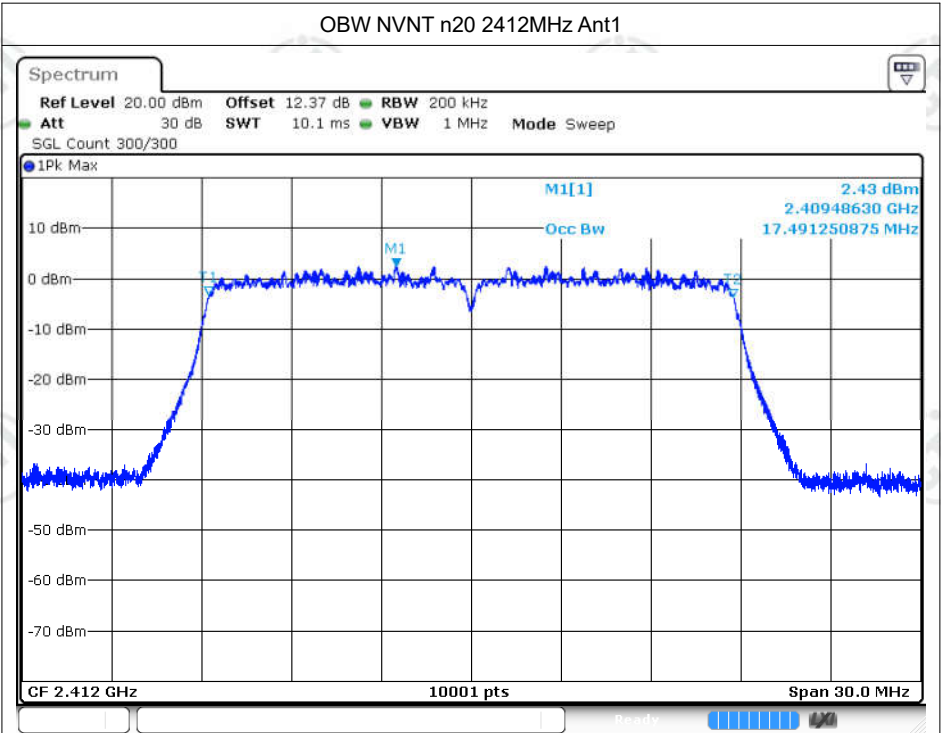
Date: 28.APR.2024 10:19:51

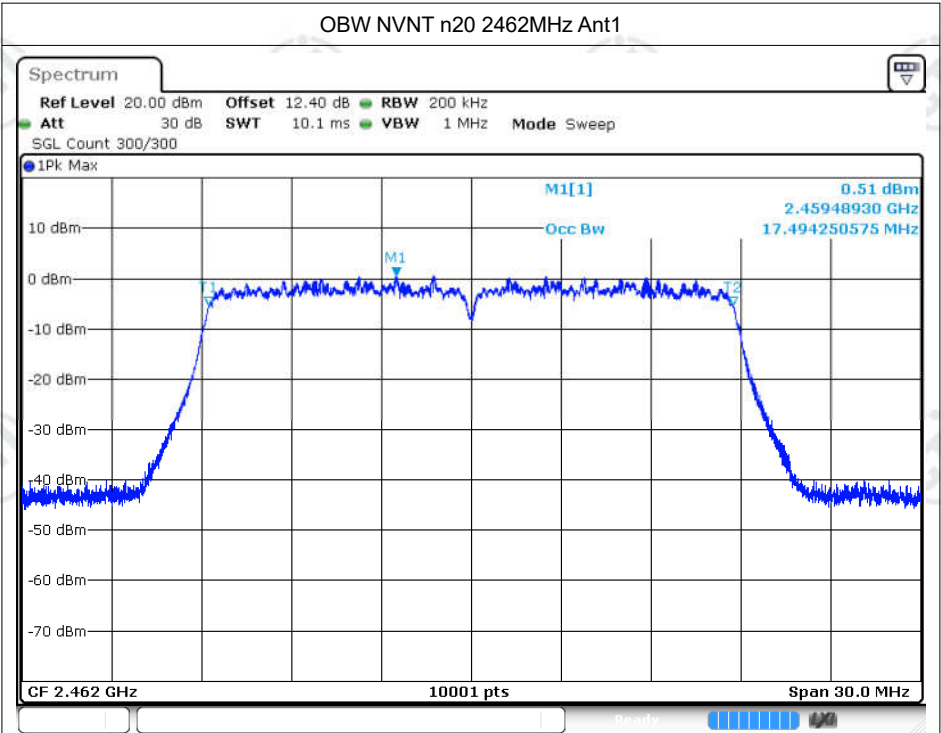


Date: 28.APR.2024 10:23:02

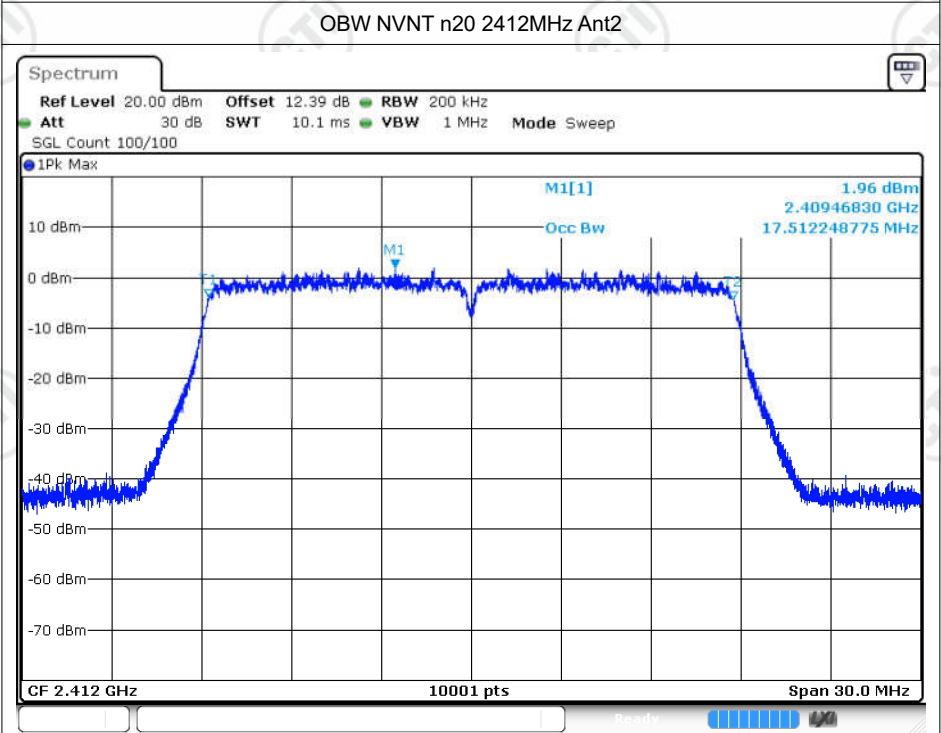




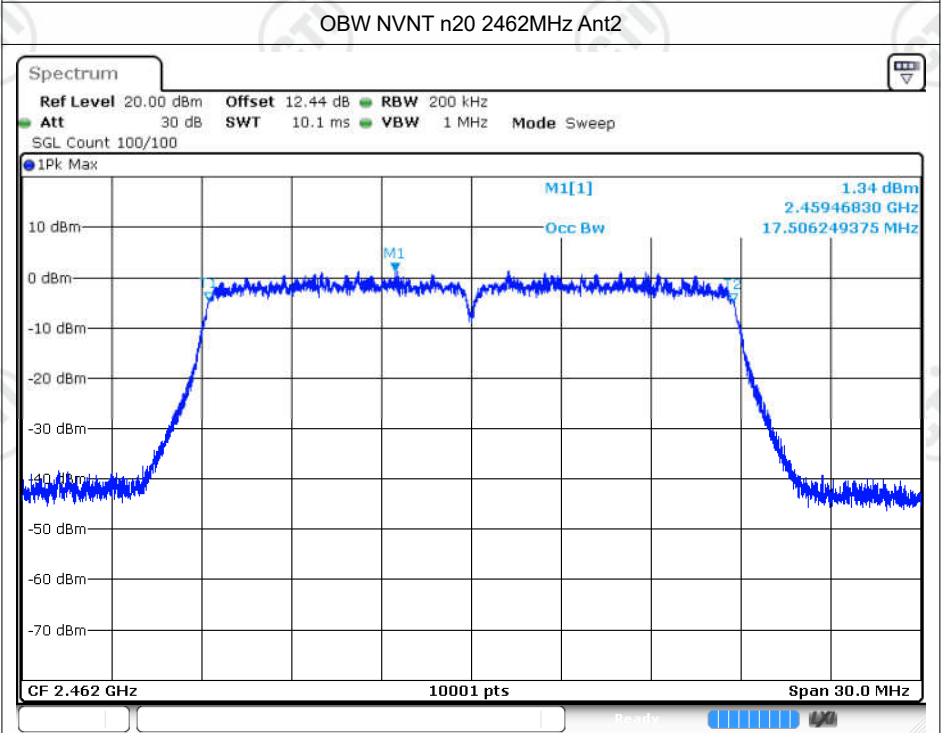
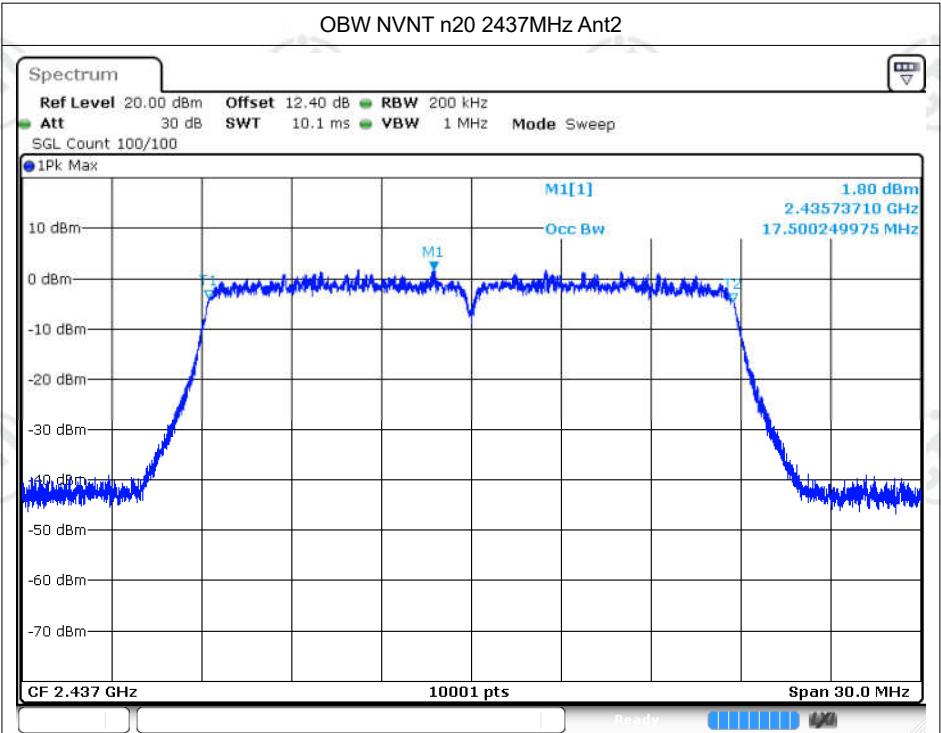


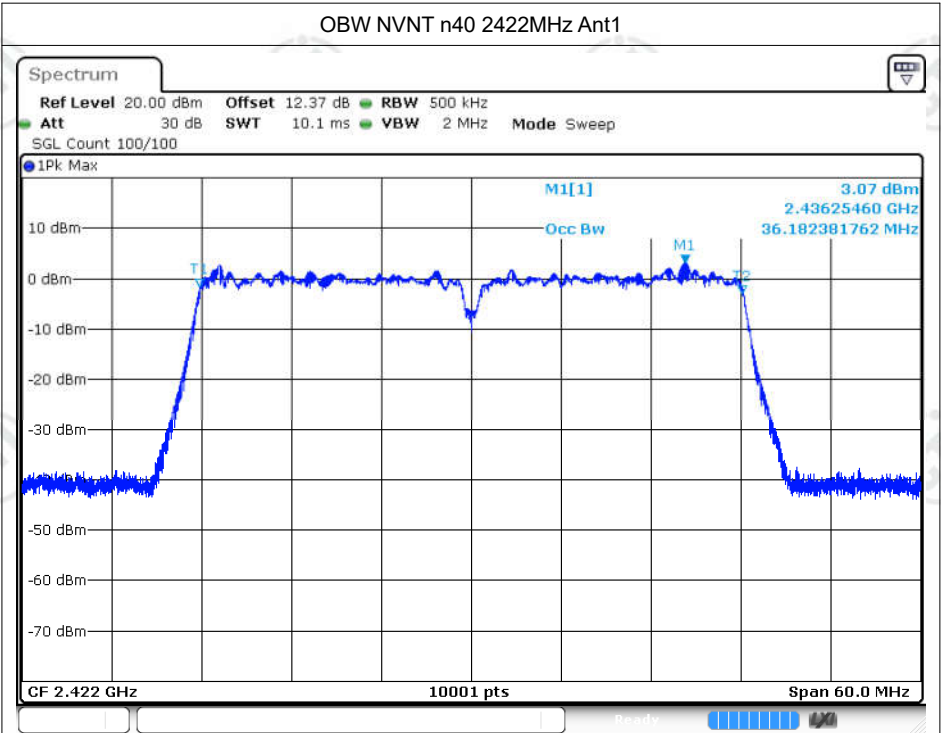


Date: 28.APR.2024 10:44:49

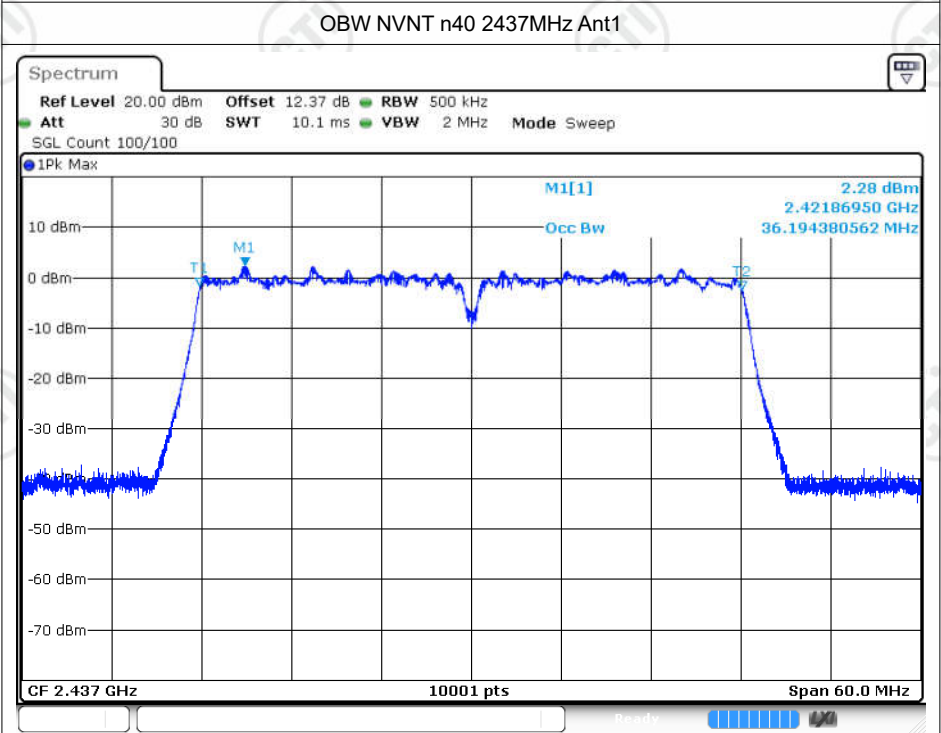


Date: 29.APR.2024 08:57:34

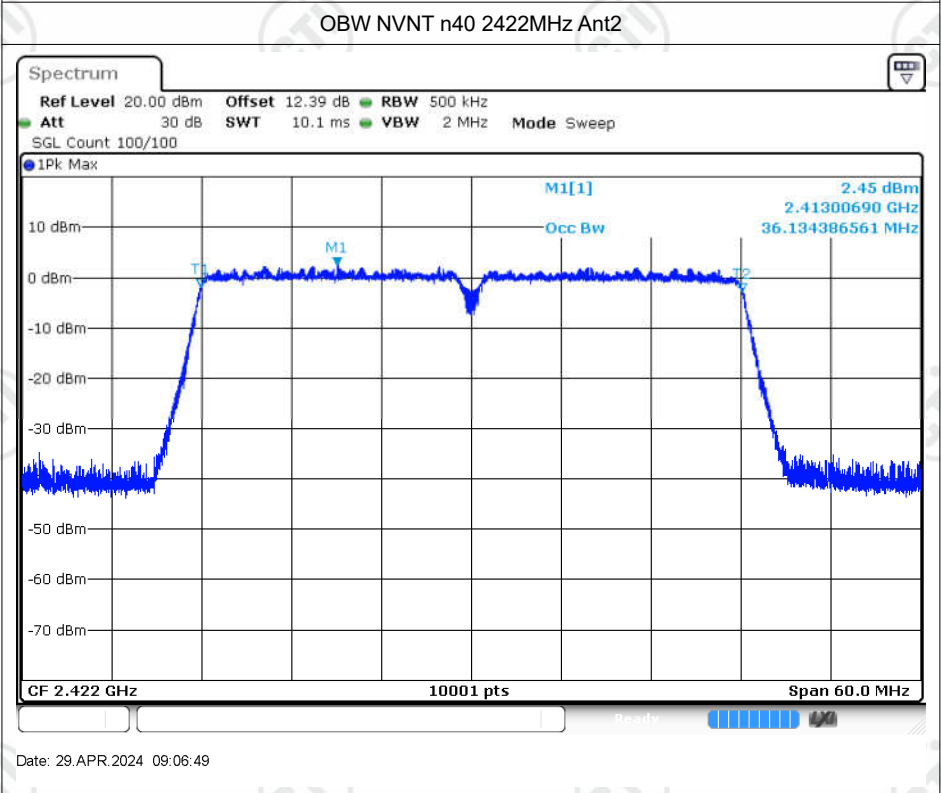
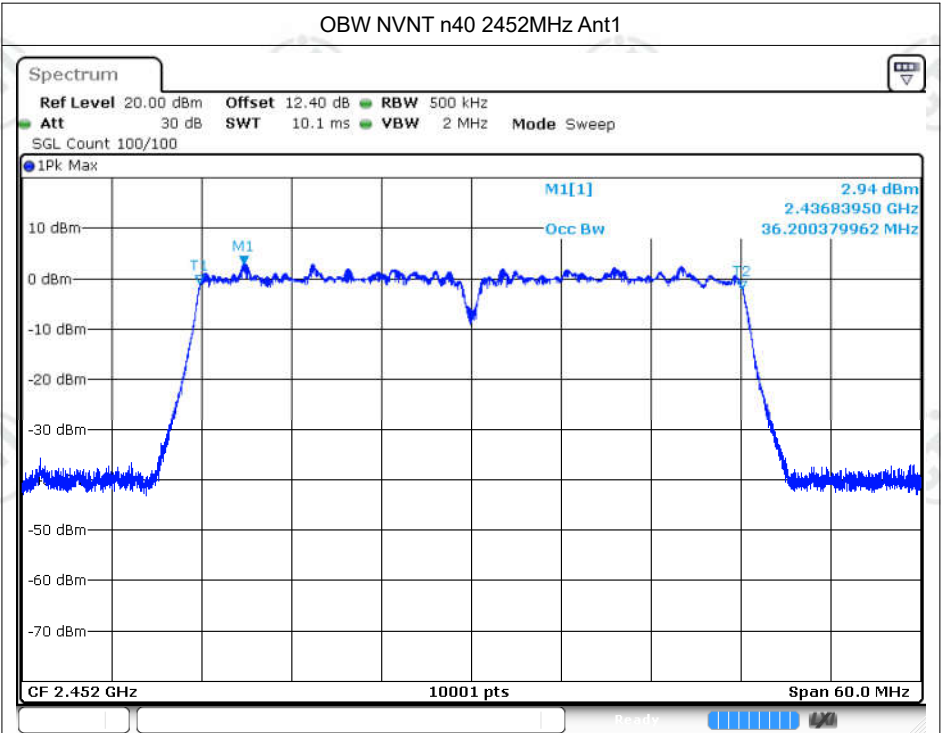


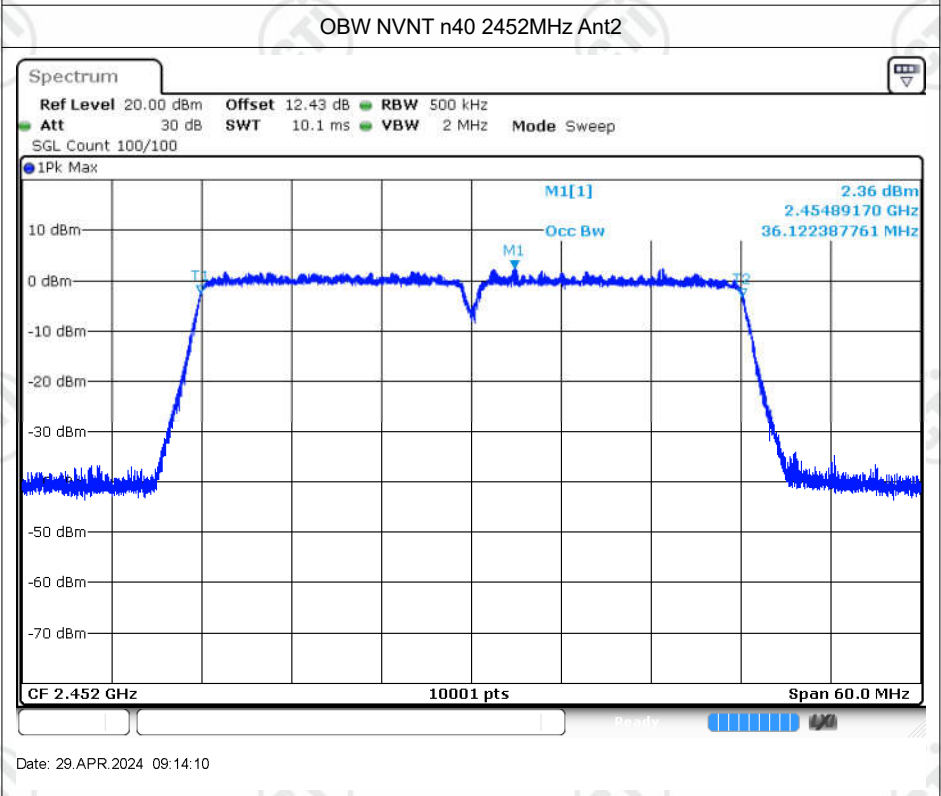
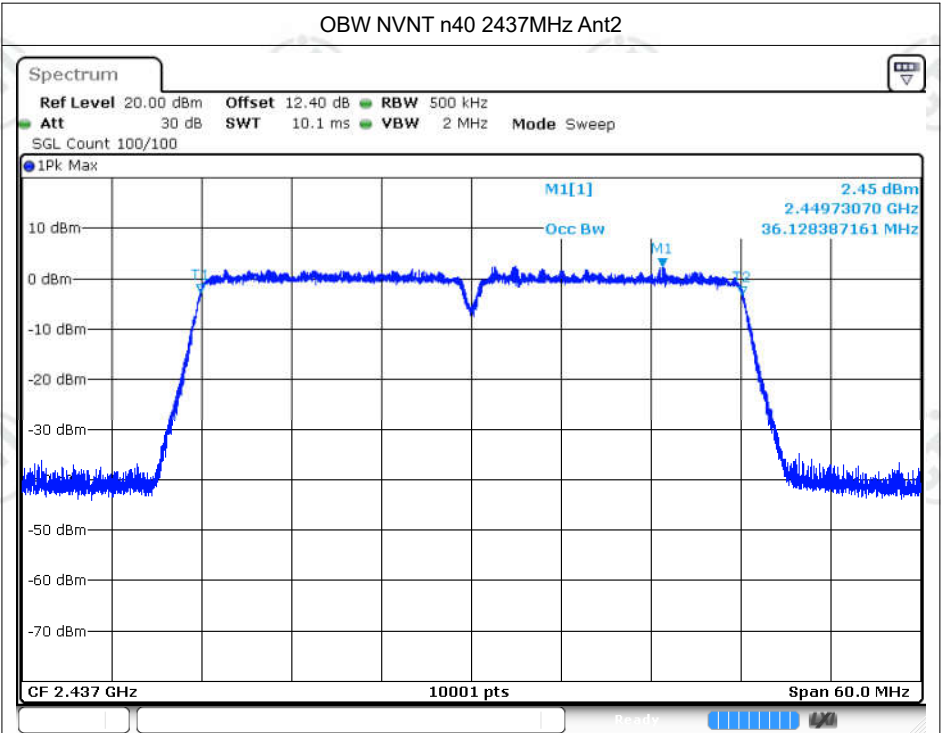


Date: 28.APR.2024 10:52:13



Date: 28.APR.2024 10:55:02

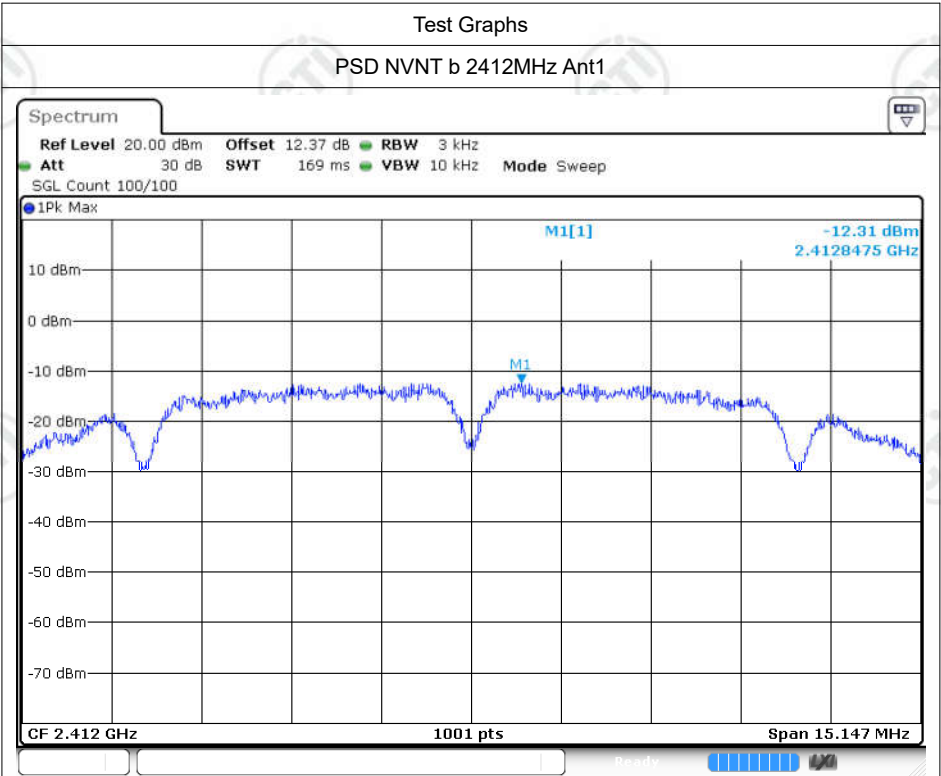




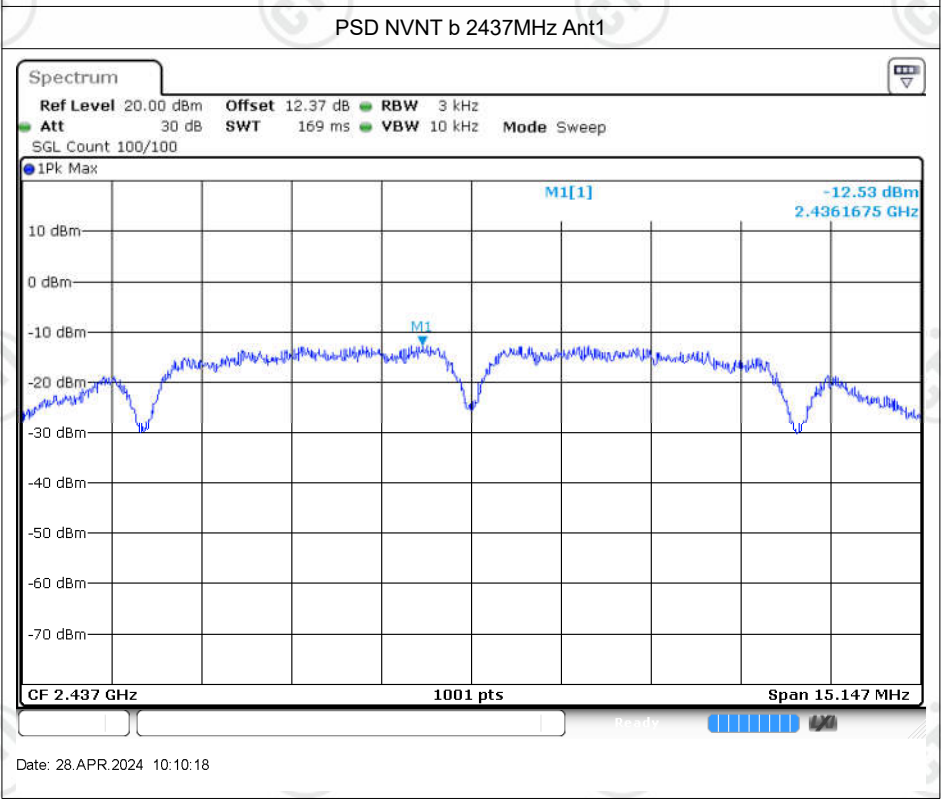
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-12.31	0	-12.31	8	Pass
NVNT	b	2437	Ant1	-12.53	0	-12.53	8	Pass
NVNT	b	2462	Ant1	-12.91	0	-12.91	8	Pass
NVNT	b	2412	Ant2	-11.47	0	-11.47	8	Pass
NVNT	b	2437	Ant2	-11.29	0	-11.29	8	Pass
NVNT	b	2462	Ant2	-11.53	0	-11.53	8	Pass
NVHT	b	2412	Ant1	-12.37	0	-12.37	8	Pass
NVNT	g	2412	Ant1	-15.12	0	-15.12	8	Pass
NVNT	g	2437	Ant1	-15.67	0	-15.67	8	Pass
NVNT	g	2462	Ant1	-16.2	0	-16.2	8	Pass
NVNT	g	2412	Ant2	-14.62	0	-14.62	8	Pass
NVNT	g	2437	Ant2	-14.93	0	-14.93	8	Pass
NVNT	g	2462	Ant2	-15.34	0	-15.34	8	Pass
NVNT	n20	2412	Ant1	-13.24	0	-13.24	8	Pass
NVNT	n20	2437	Ant1	-14.55	0	-14.55	8	Pass
NVNT	n20	2462	Ant1	-14.37	0	-14.37	8	Pass
NVNT	n20	2412	Ant2	-13.69	0	-13.69	8	Pass
NVNT	n20	2437	Ant2	-13.94	0	-13.94	8	Pass
NVNT	n20	2462	Ant2	-14.19	0	-14.19	8	Pass
NVNT	n20	2412	Ant1	-16.22	0	-16.22	8	Pass
NVNT	n20	2412	Ant2	-15.56	0	-15.56	8	Pass
NVNT	n20	2412	Sum	-12.87	0	-12.87	8	Pass
NVNT	n20	2437	Ant1	-16.78	0	-16.78	8	Pass
NVNT	n20	2437	Ant2	-15.73	0	-15.73	8	Pass
NVNT	n20	2437	Sum	-13.21	0	-13.21	8	Pass
NVNT	n20	2462	Ant1	-17.19	0	-17.19	8	Pass
NVNT	n20	2462	Ant2	-16.27	0	-16.27	8	Pass
NVNT	n20	2462	Sum	-13.7	0	-13.7	8	Pass
NVNT	n40	2422	Ant1	-13.98	0	-13.98	8	Pass
NVNT	n40	2437	Ant1	-13.26	0	-13.26	8	Pass
NVNT	n40	2452	Ant1	-12.66	0	-12.66	8	Pass
NVNT	n40	2422	Ant2	-15.88	0	-15.88	8	Pass
NVNT	n40	2437	Ant2	-15.27	0	-15.27	8	Pass
NVNT	n40	2452	Ant2	-15.36	0	-15.36	8	Pass
NVNT	n40	2422	Ant1	-19.13	0	-19.13	8	Pass
NVNT	n40	2422	Ant2	-18.92	0	-18.92	8	Pass
NVNT	n40	2422	Sum	-16.01	0	-16.01	8	Pass

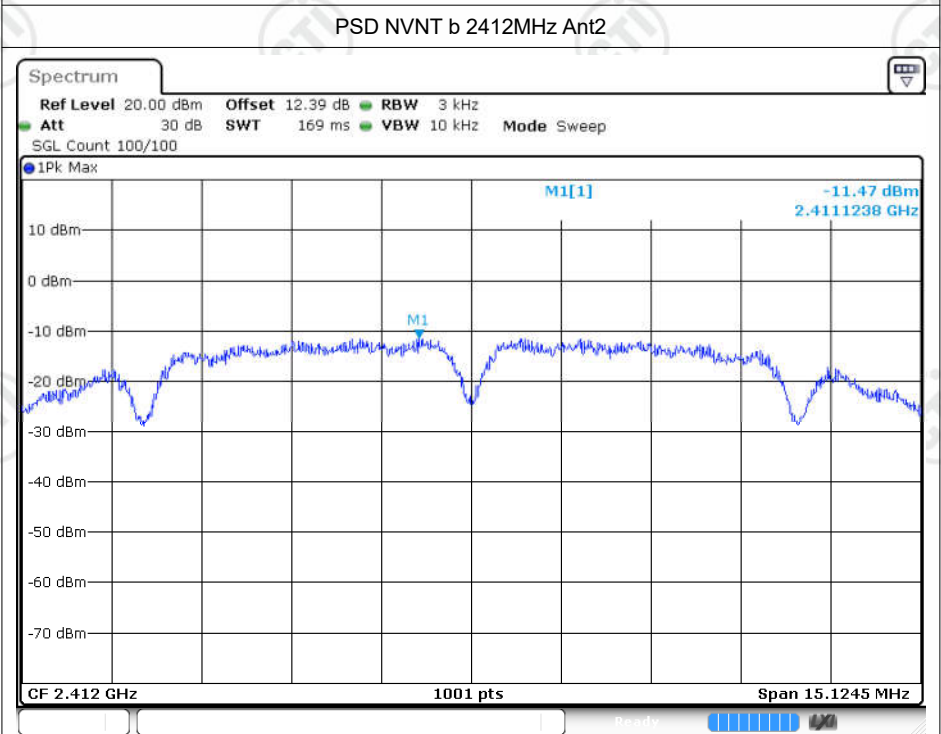
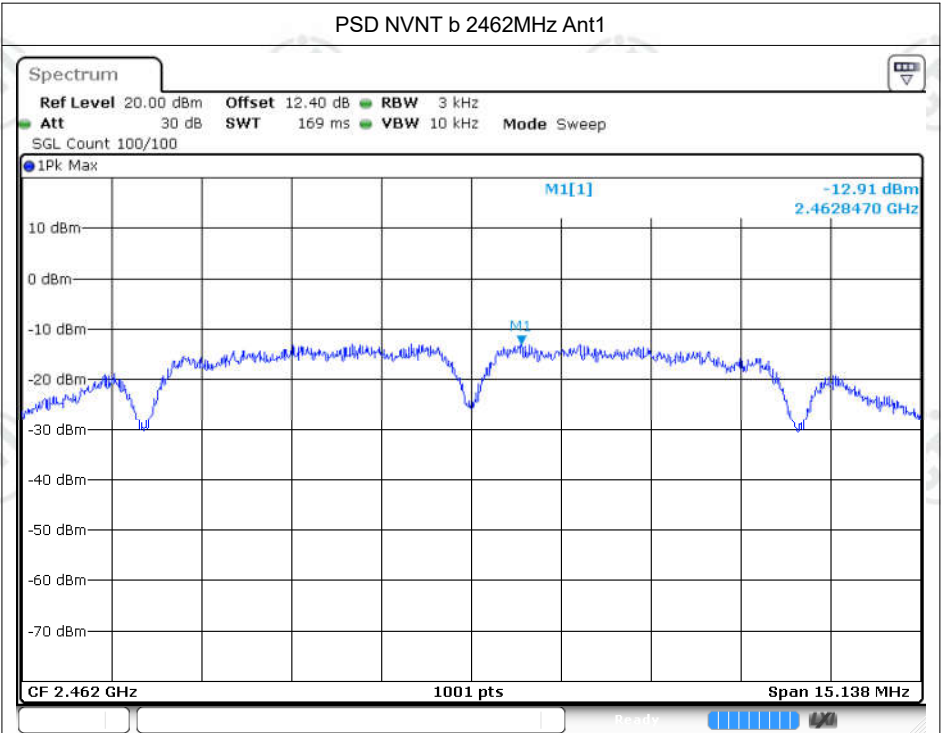
NVNT	n40	2437	Ant1	-18.71	0	-18.71	8	Pass
NVNT	n40	2437	Ant2	-18.07	0	-18.07	8	Pass
NVNT	n40	2437	Sum	-15.37	0	-15.37	8	Pass
NVNT	n40	2452	Ant1	-19.1	0	-19.1	8	Pass
NVNT	n40	2452	Ant2	-18.37	0	-18.37	8	Pass
NVNT	n40	2452	Sum	-15.71	0	-15.71	8	Pass

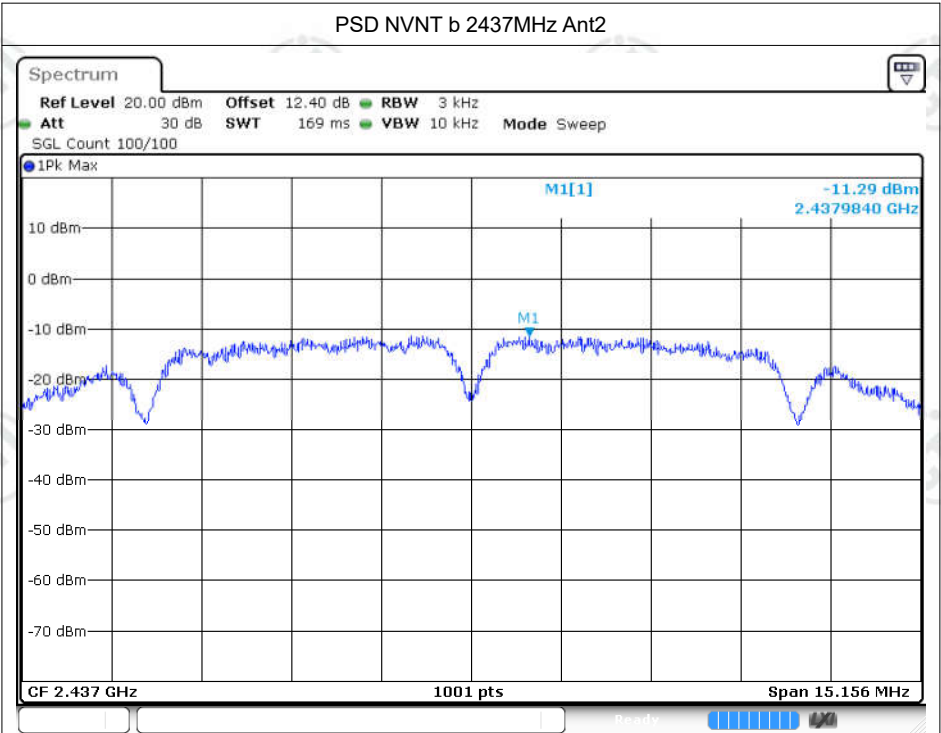


Date: 28.APR.2024 10:14:24

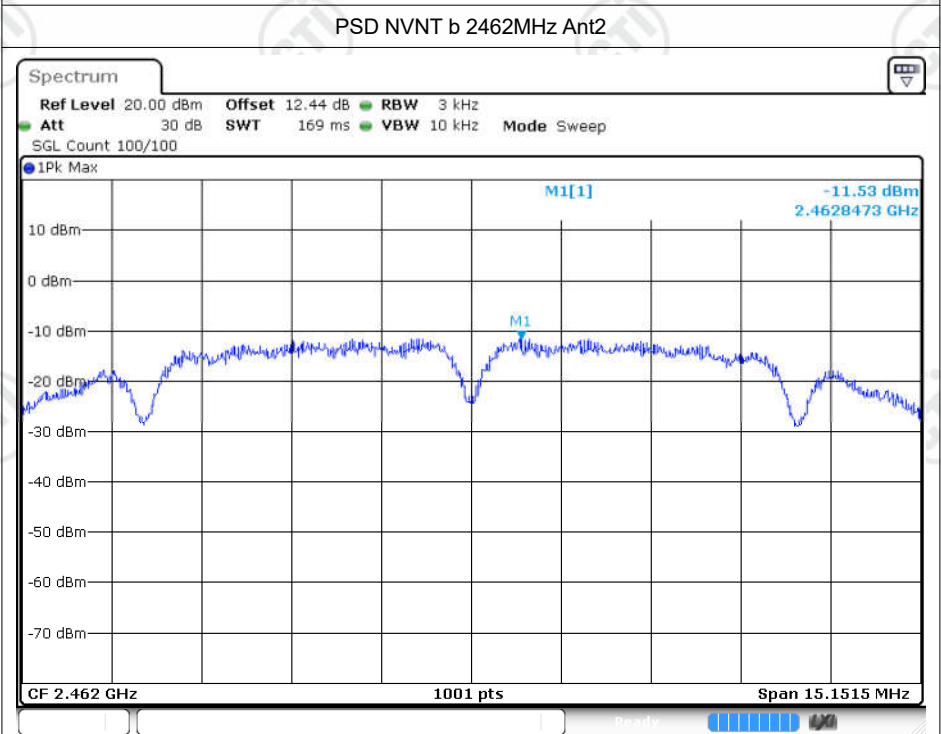


Date: 28.APR.2024 10:10:18

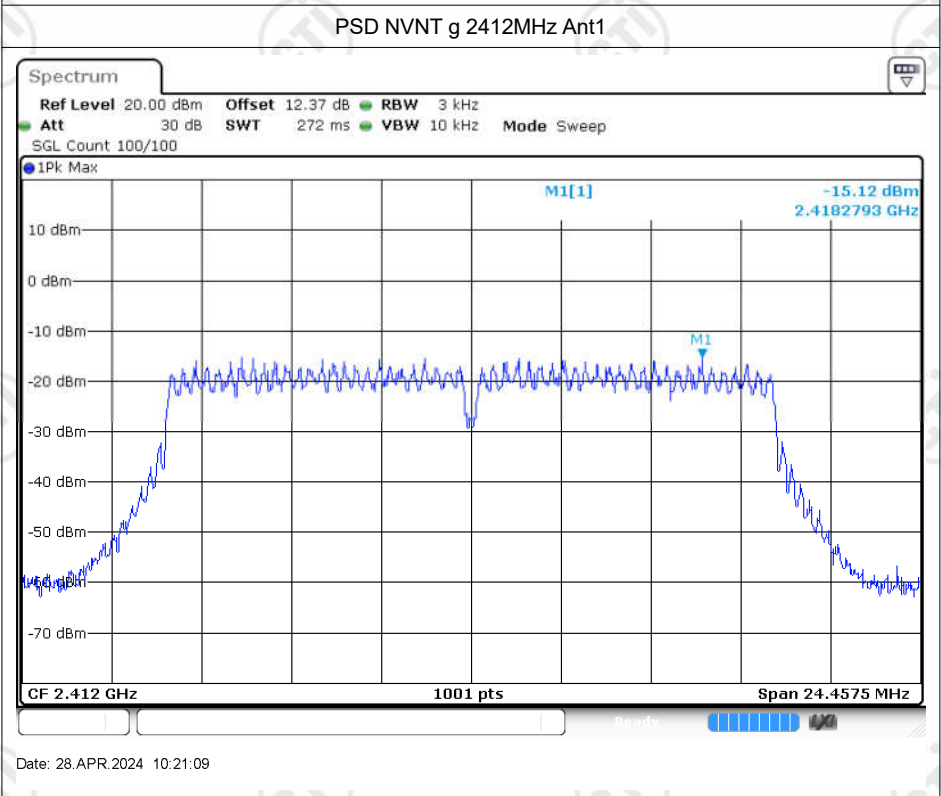
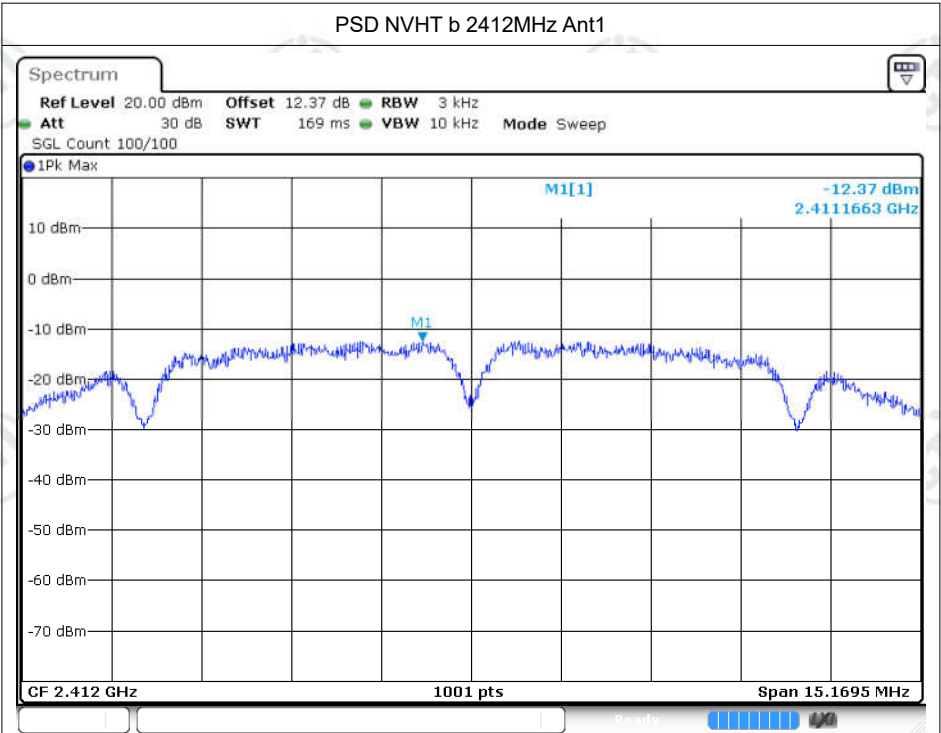


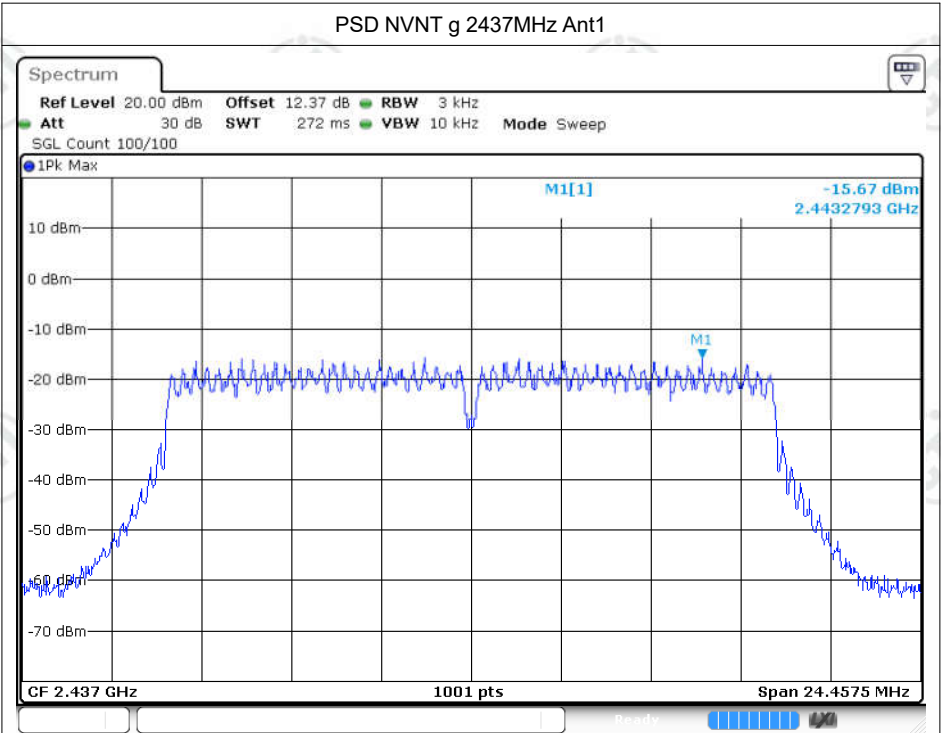


Date: 29.APR.2024 08:45:08

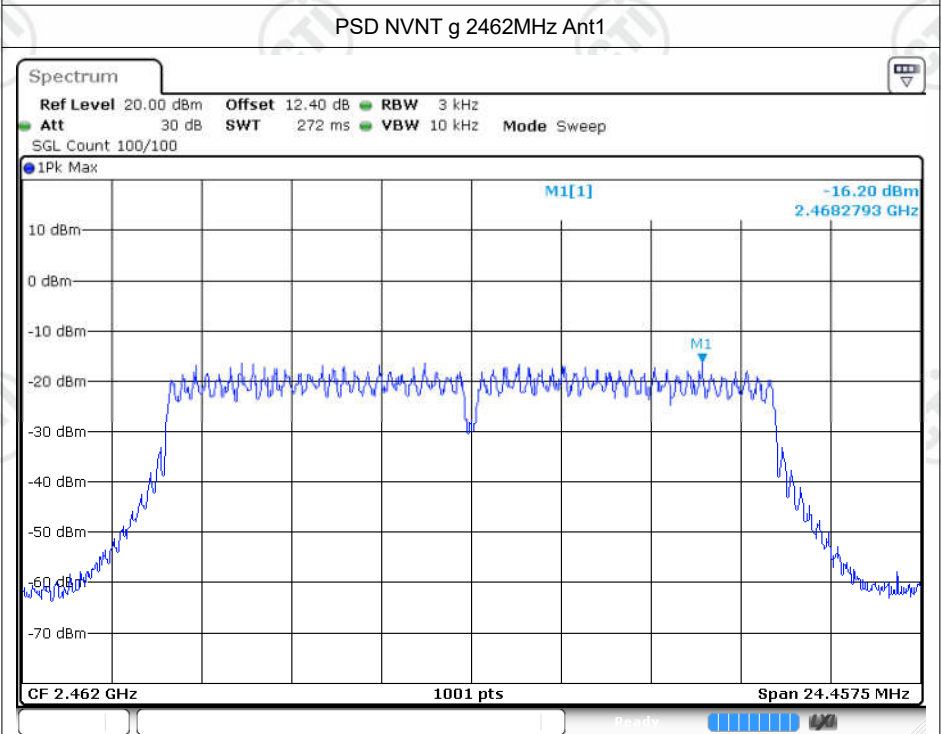


Date: 29.APR.2024 08:47:17

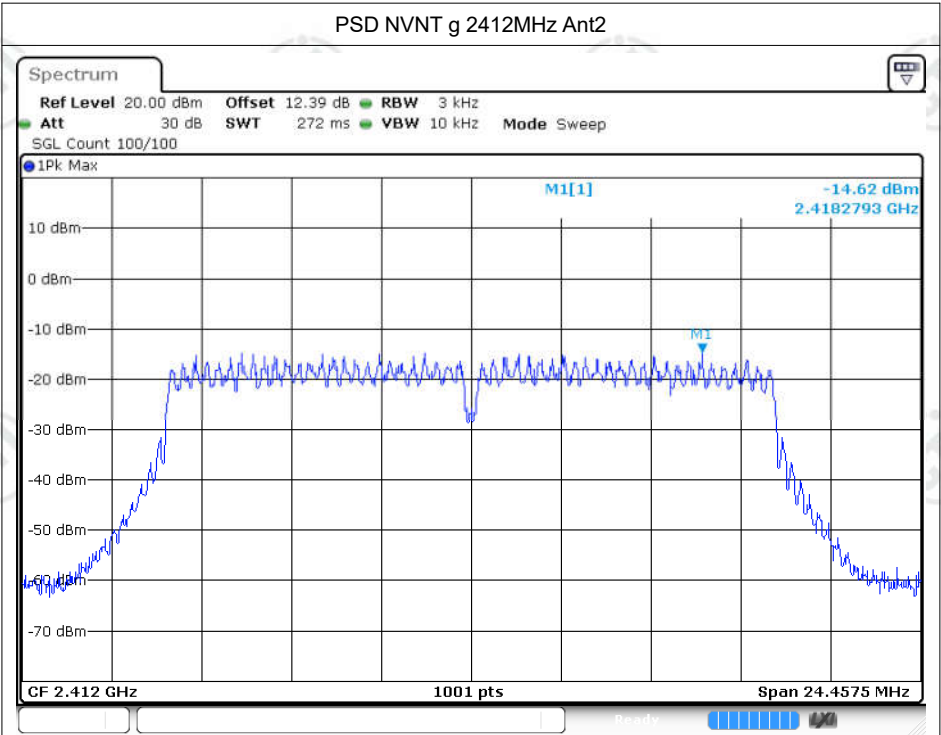




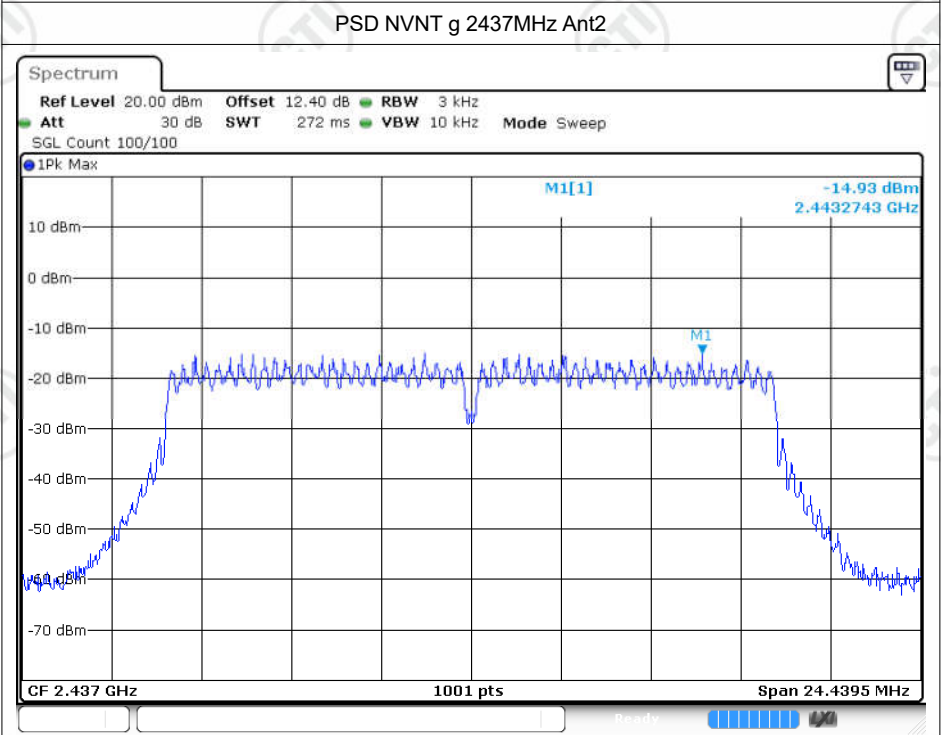
Date: 28.APR.2024 10:24:38



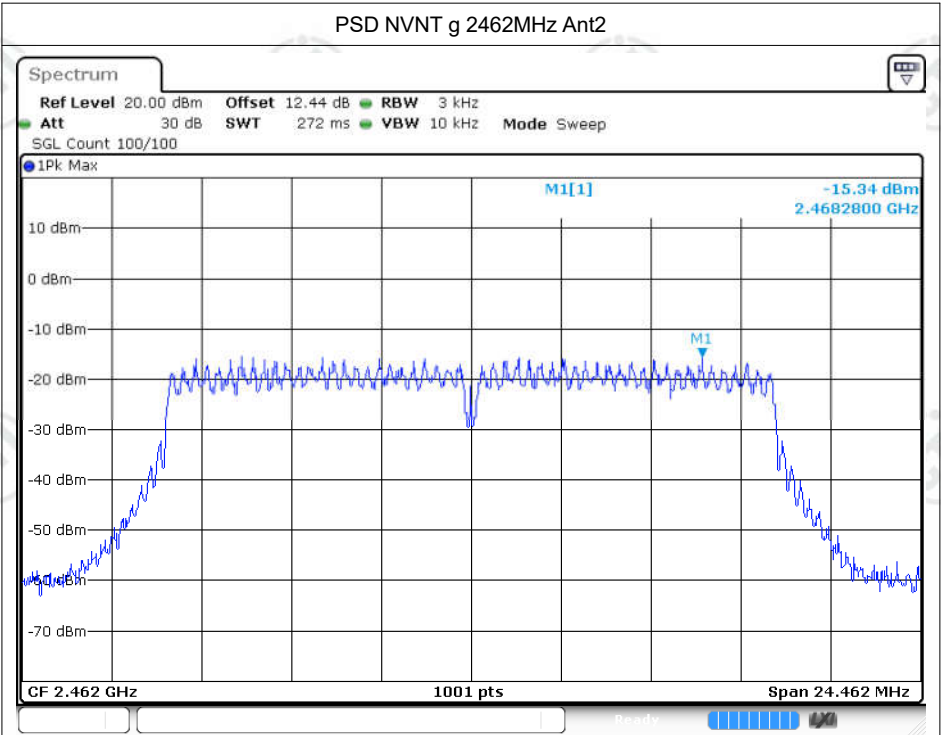
Date: 28.APR.2024 10:30:30



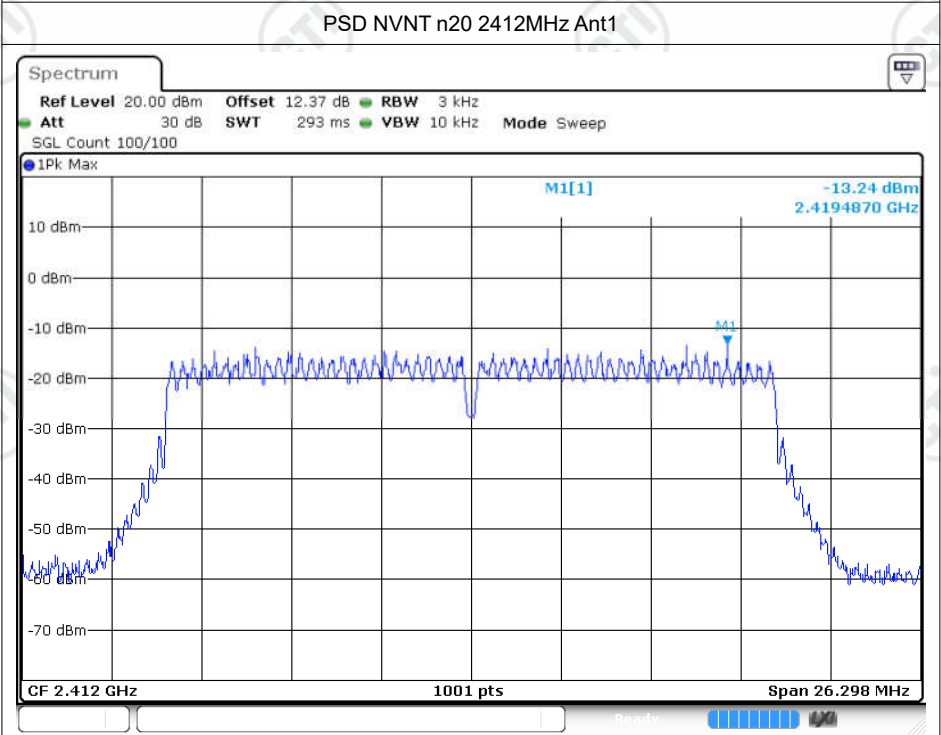
Date: 29.APR.2024 08:50:16



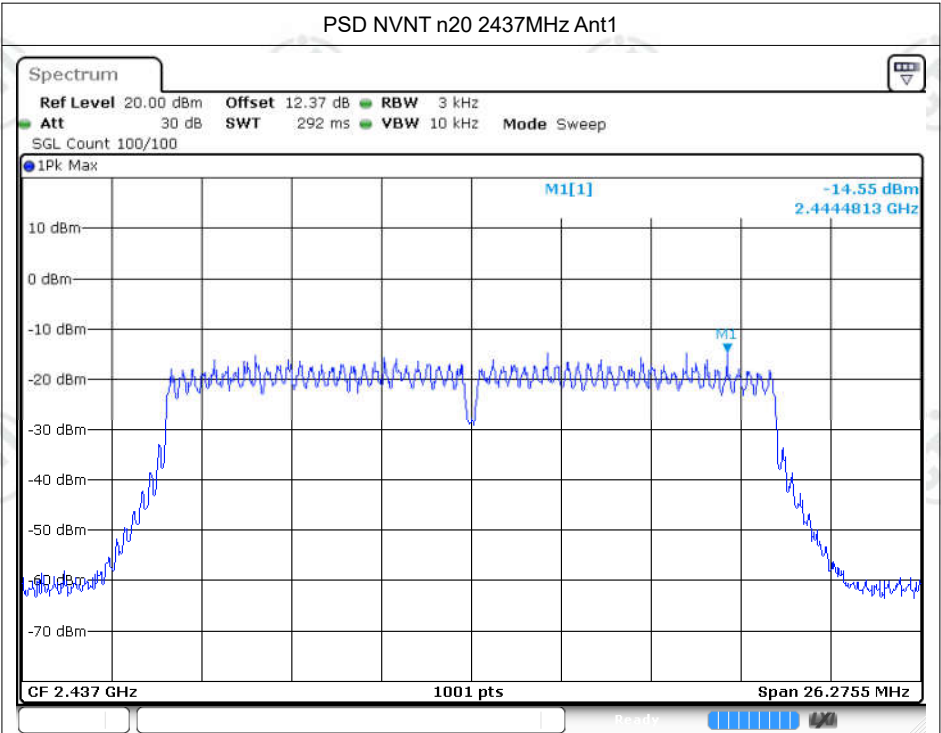
Date: 29.APR.2024 08:52:48



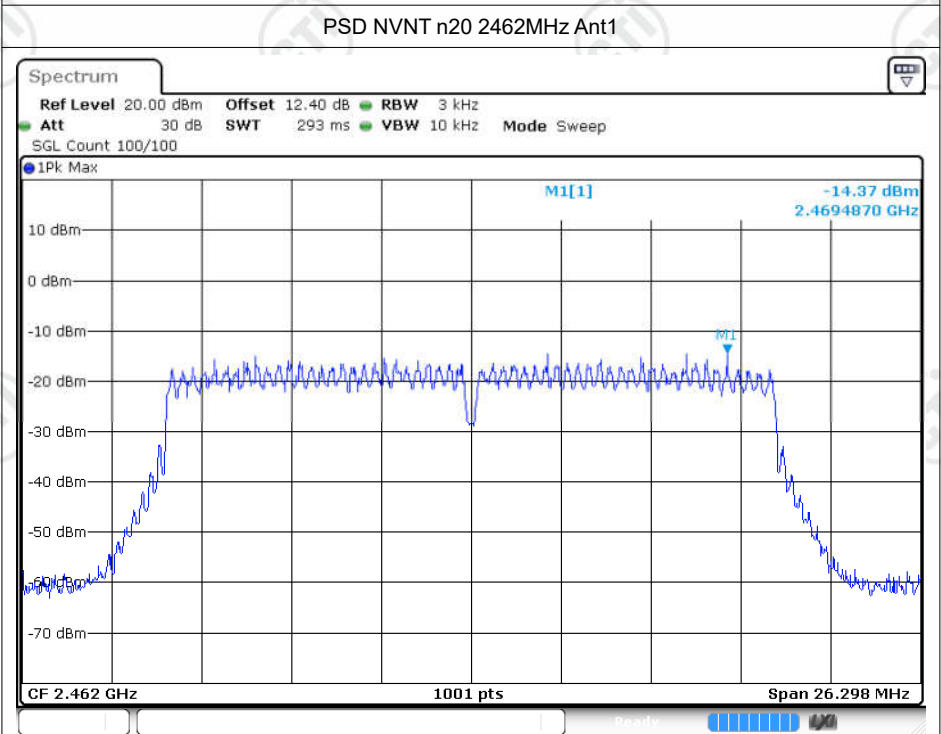
Date: 29.APR.2024 08:55:07



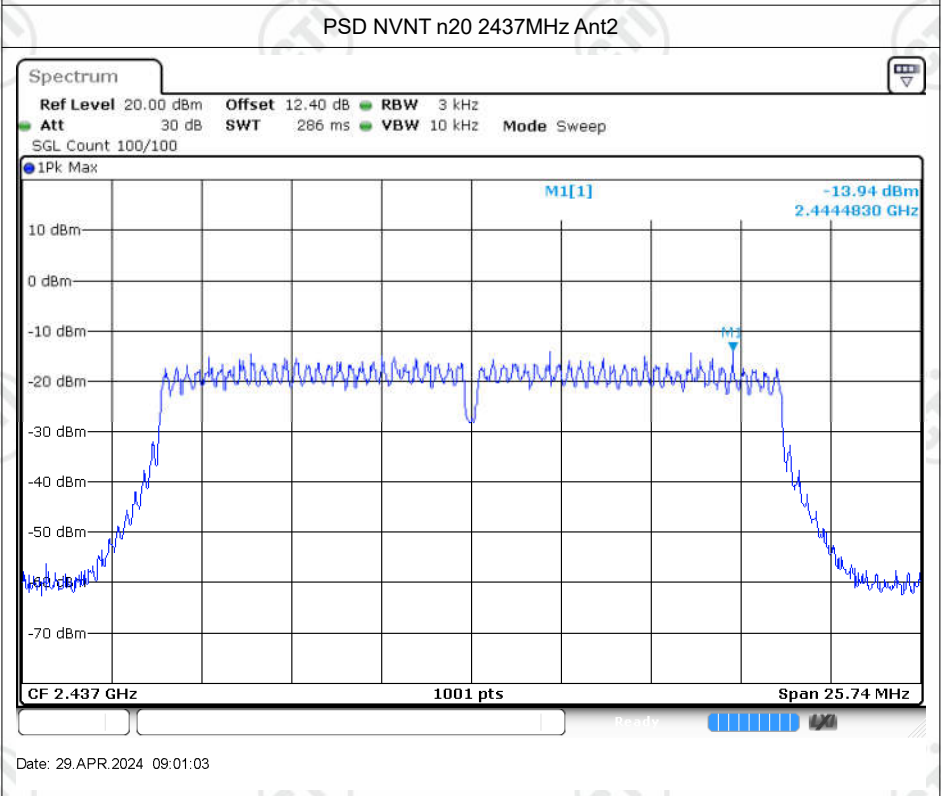
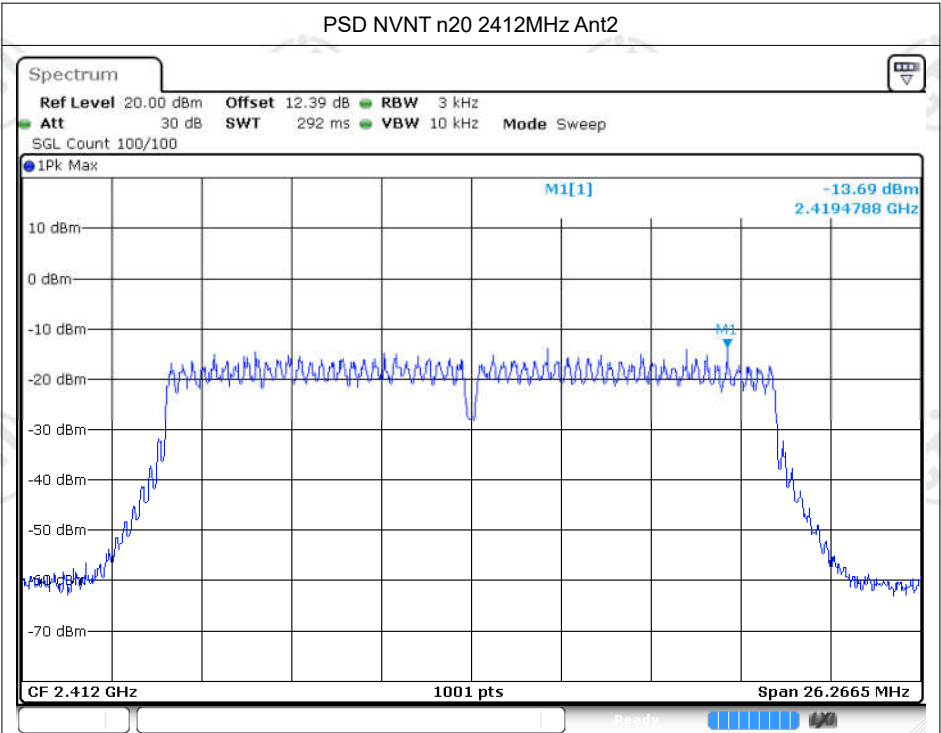
Date: 28.APR.2024 10:37:18

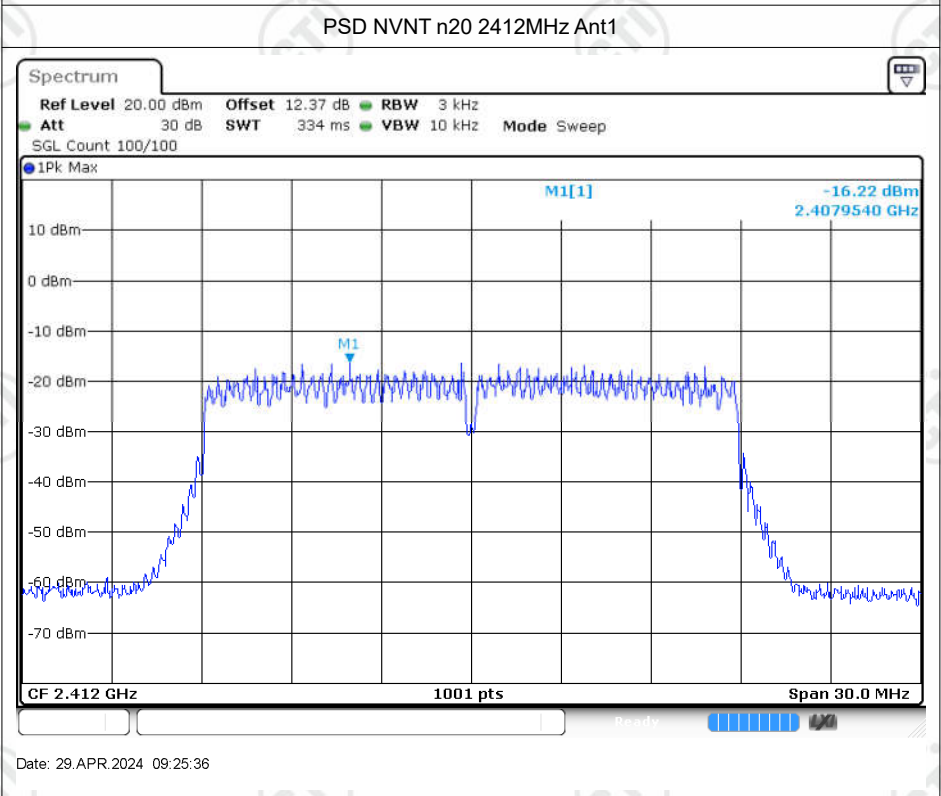
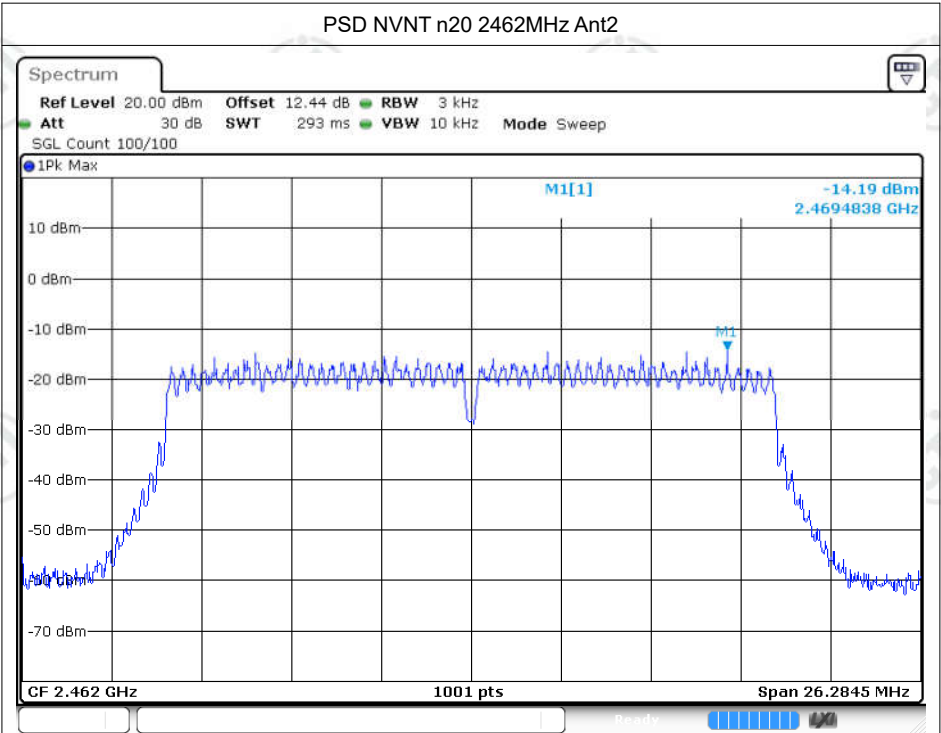


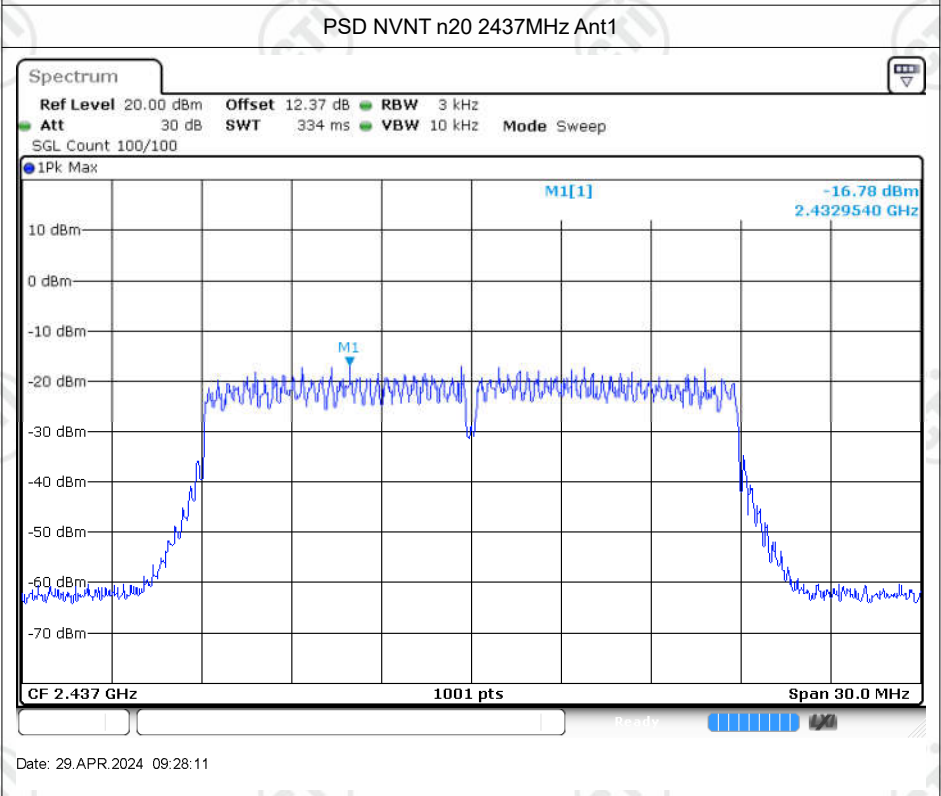
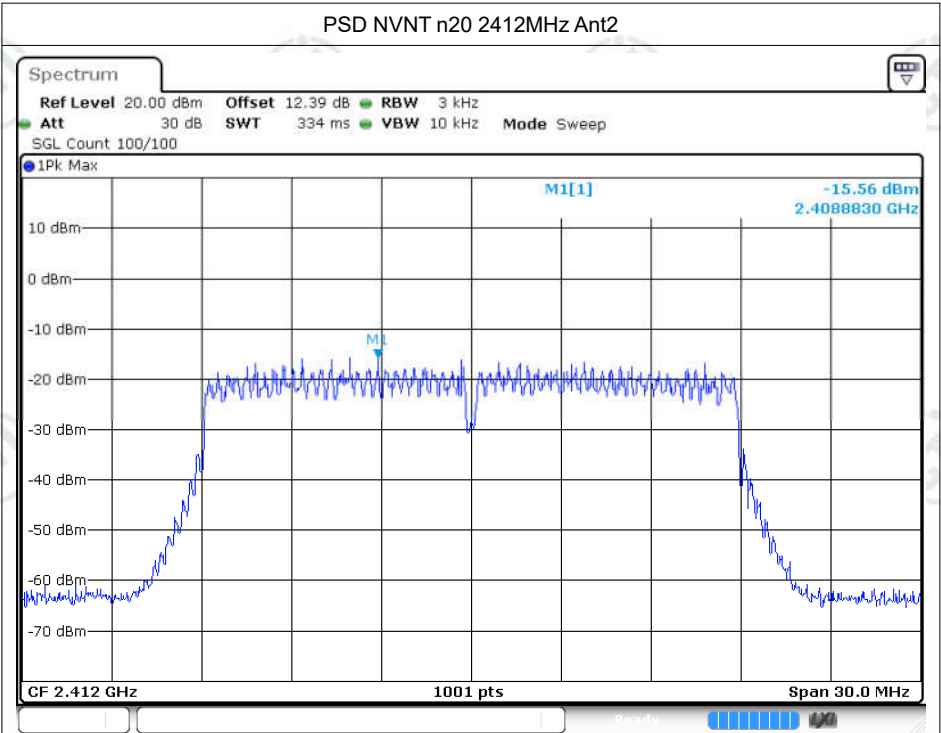
Date: 28.APR.2024 10:42:15

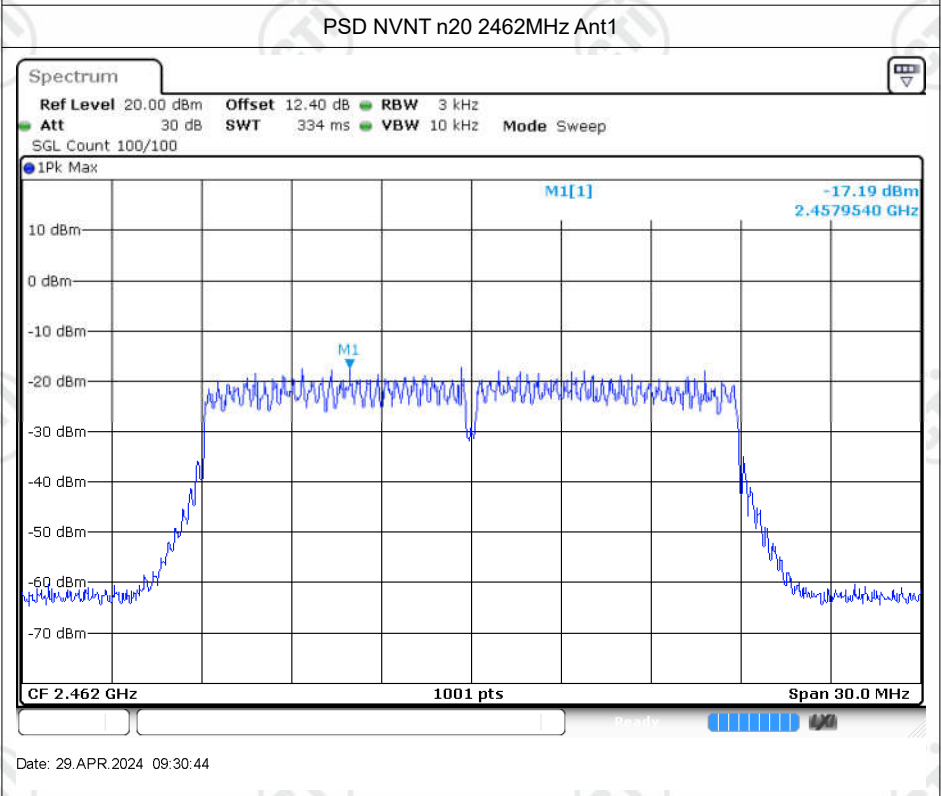
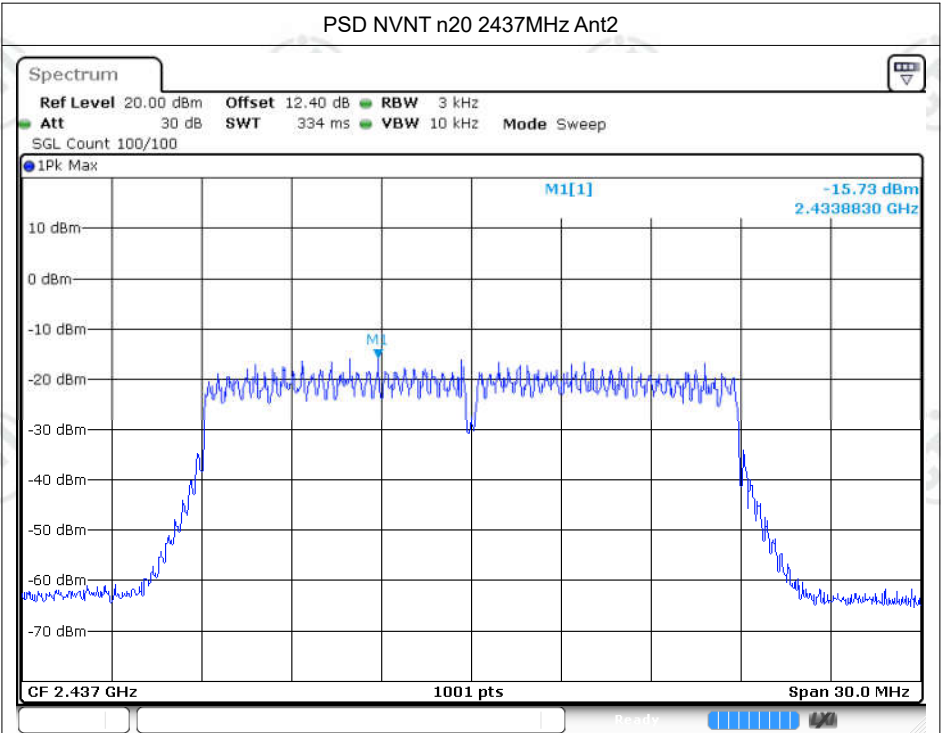


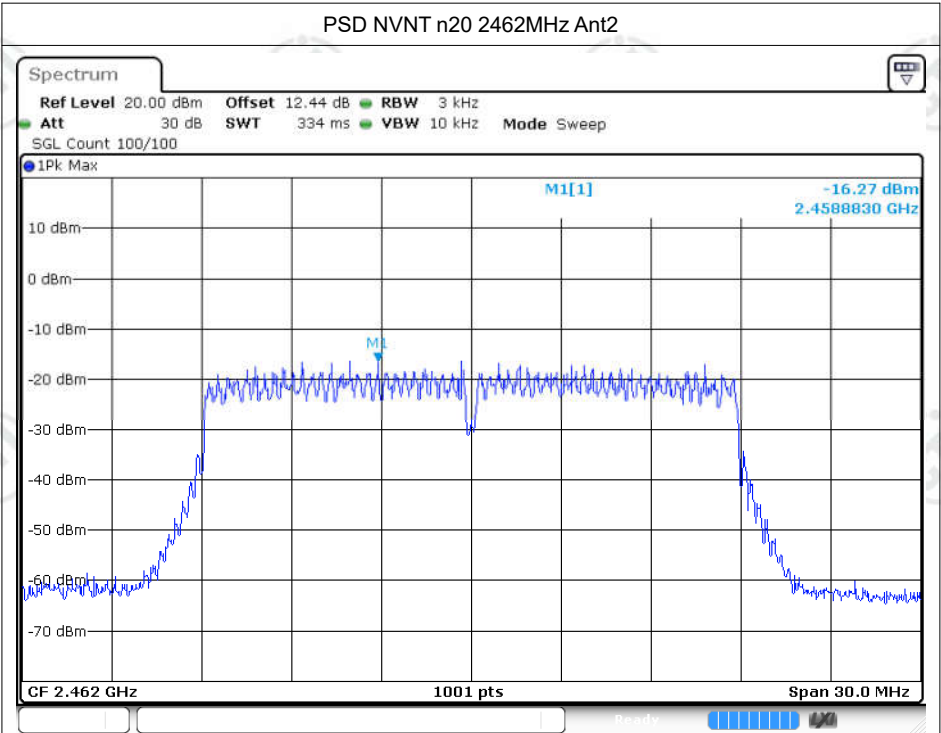
Date: 28.APR.2024 10:47:05



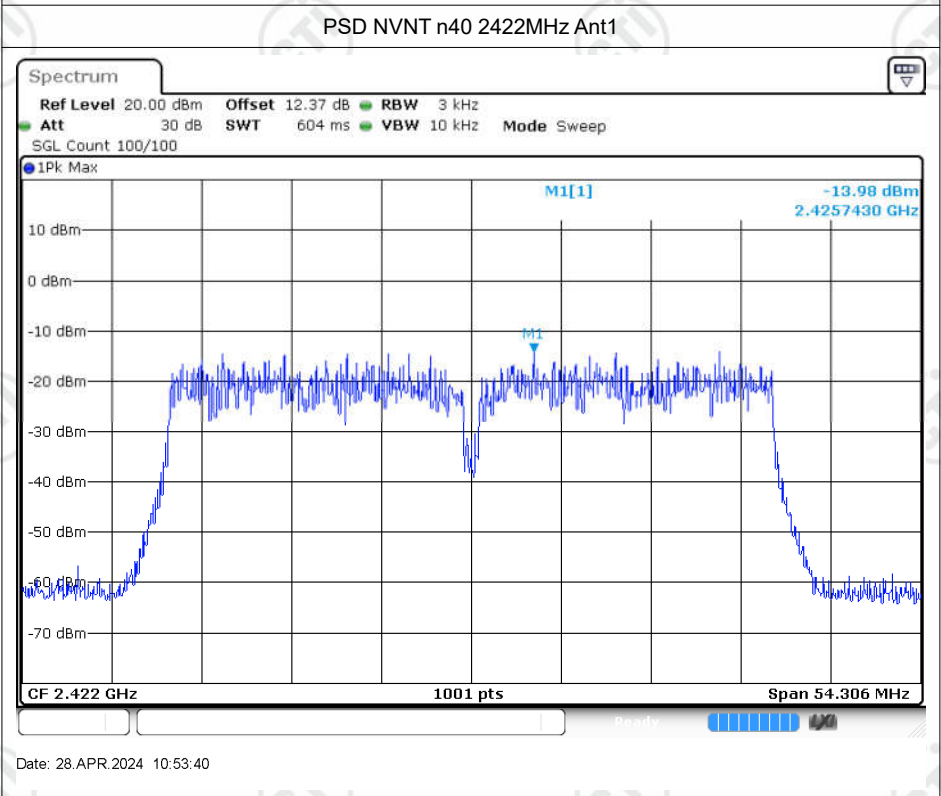




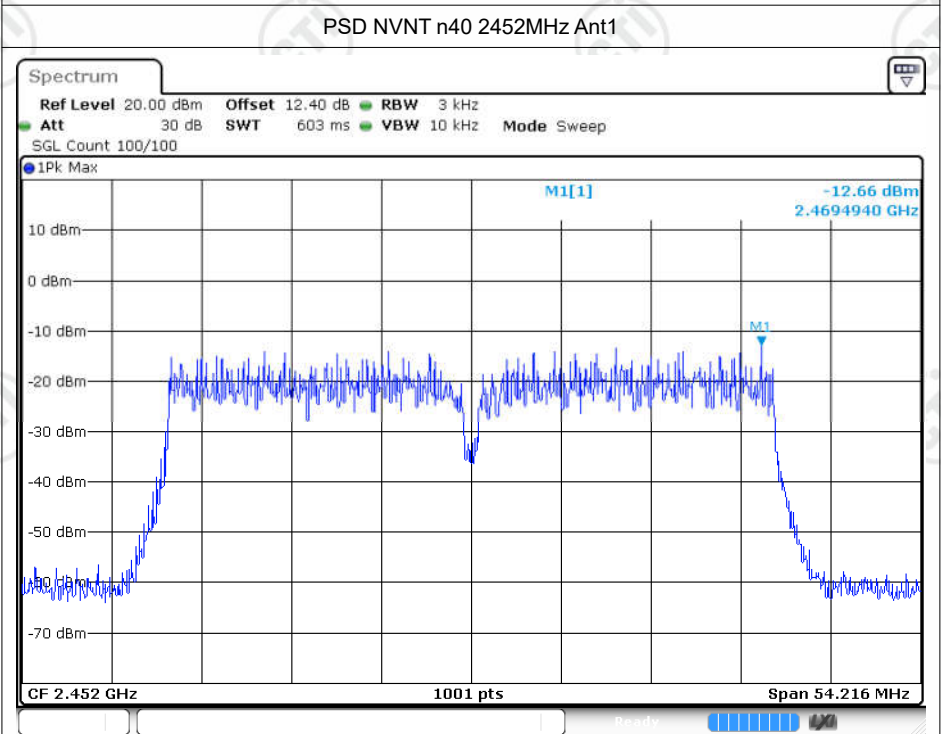
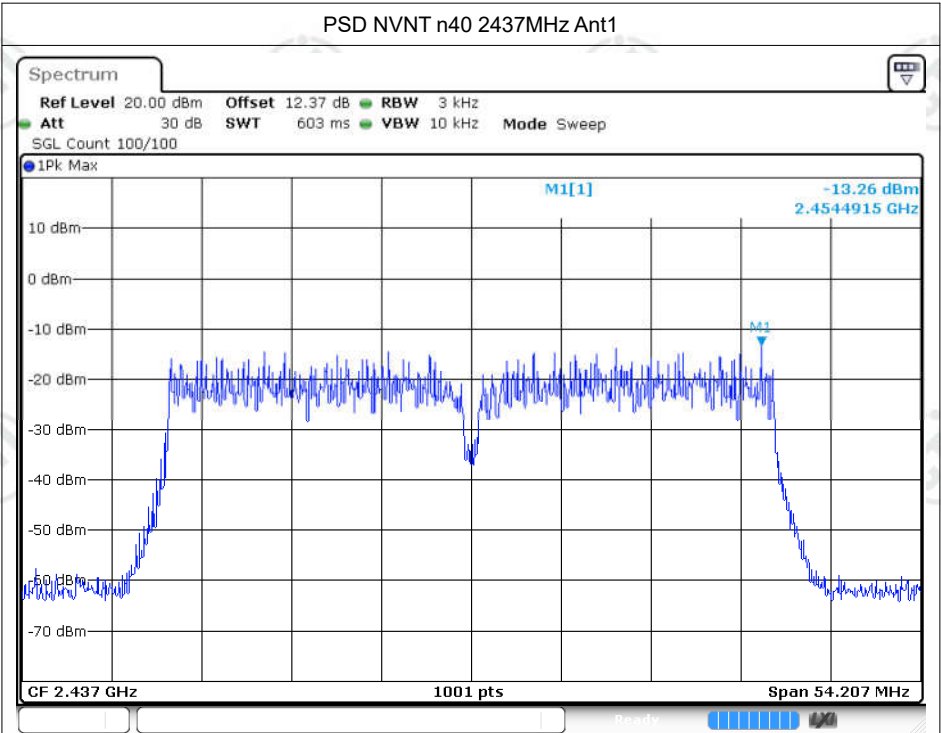


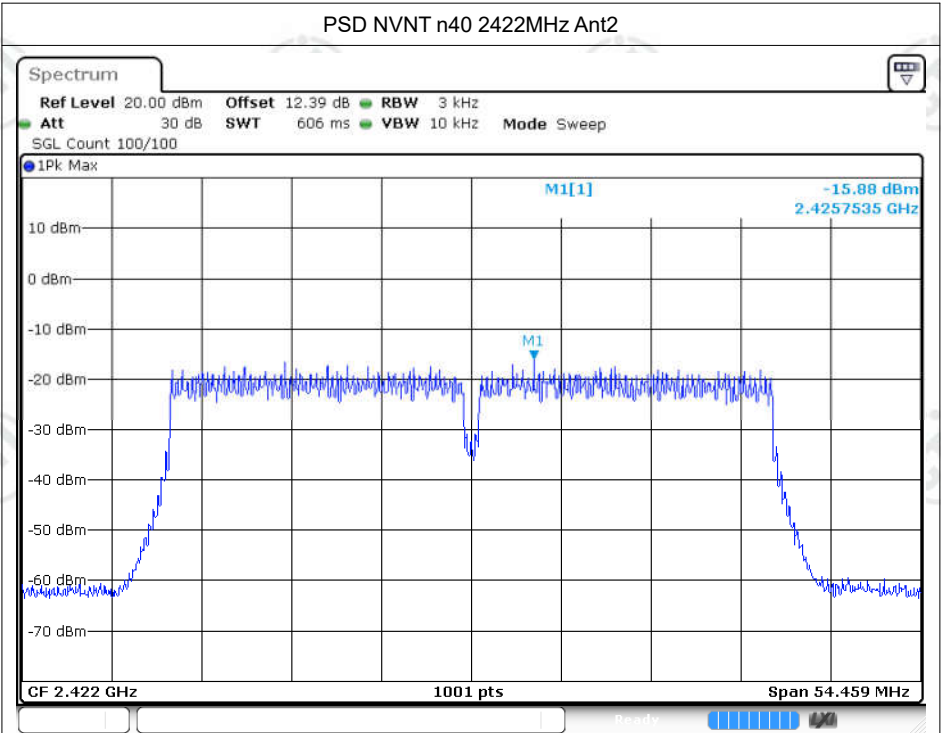


Date: 29.APR.2024 09:31:26

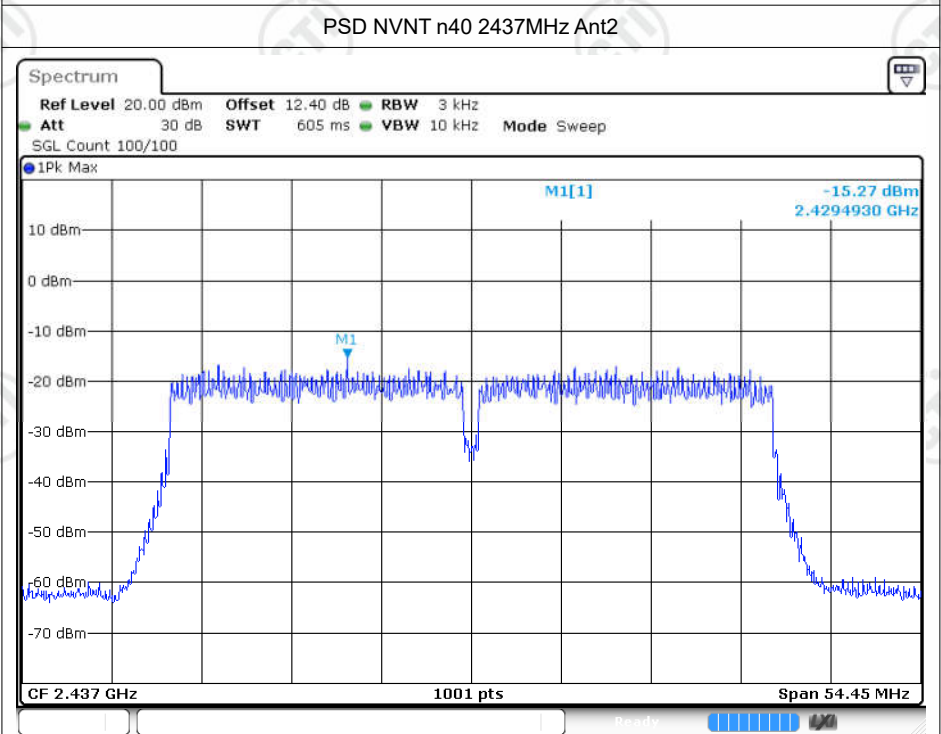


Date: 28.APR.2024 10:53:40

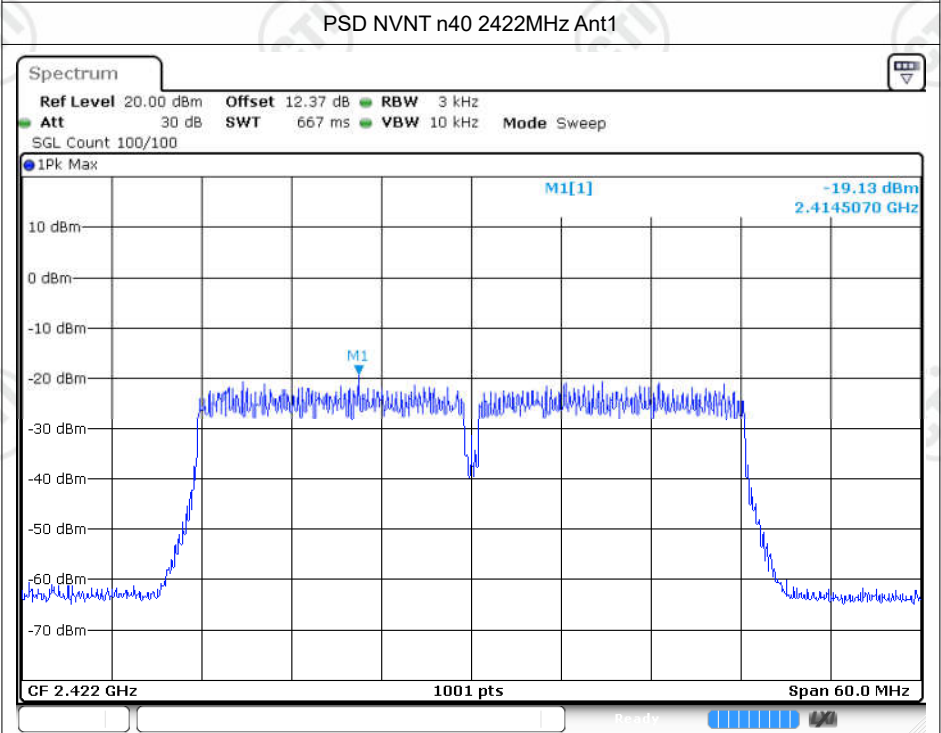
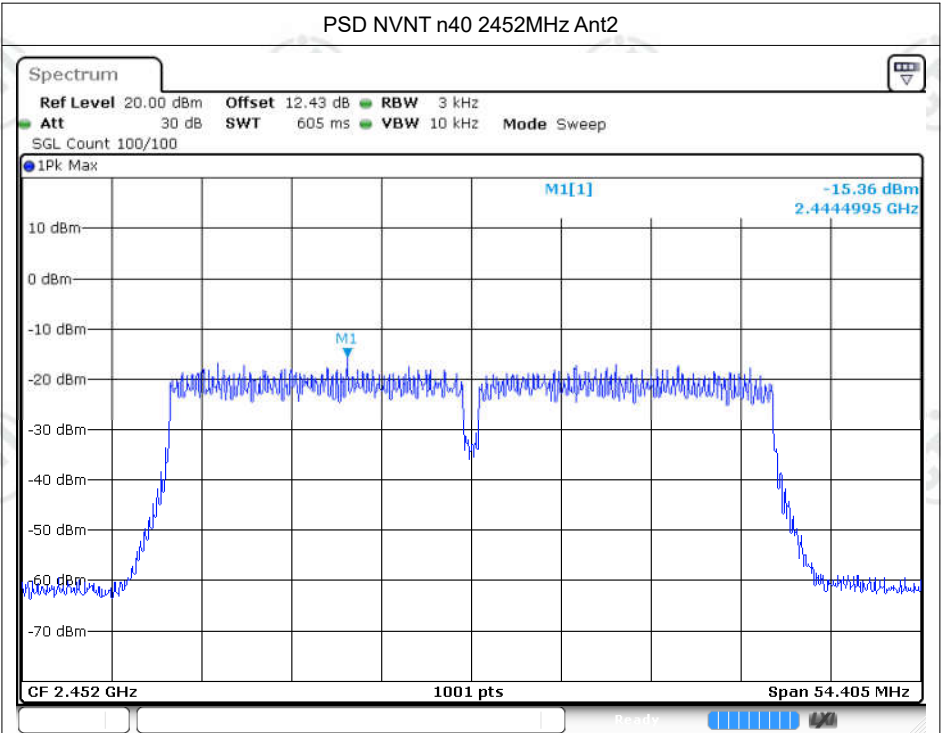


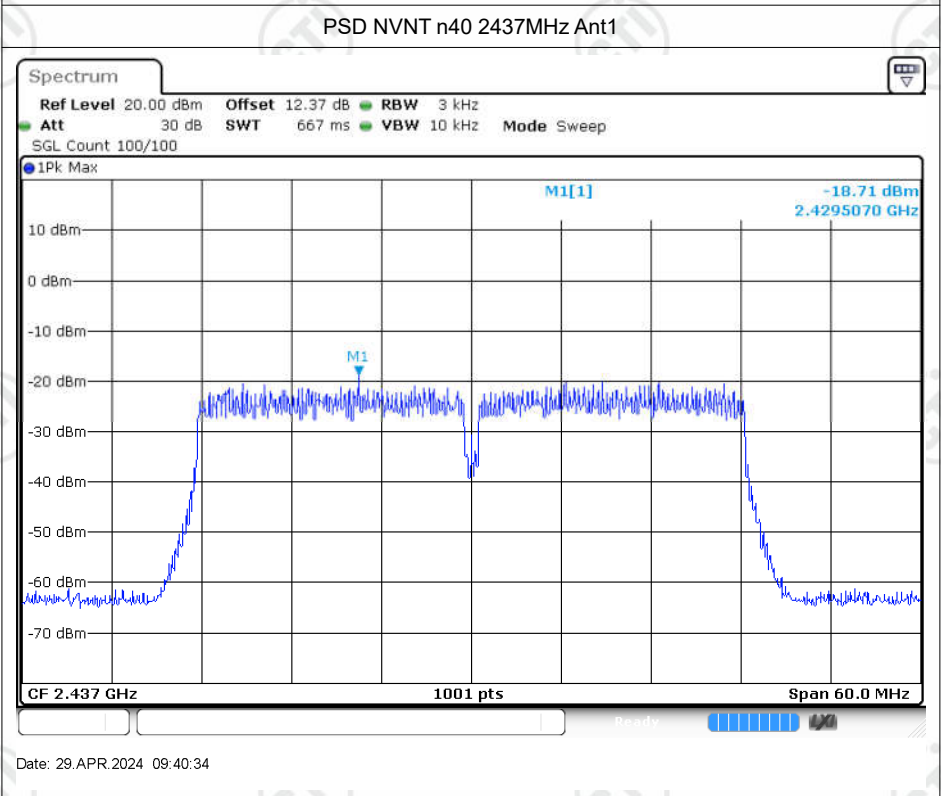
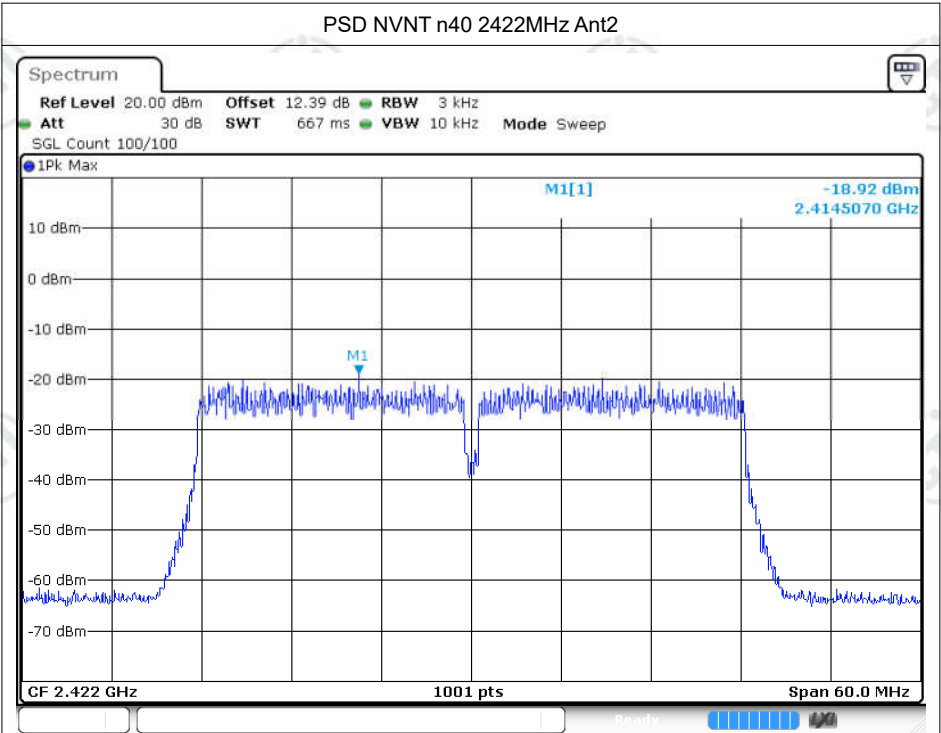


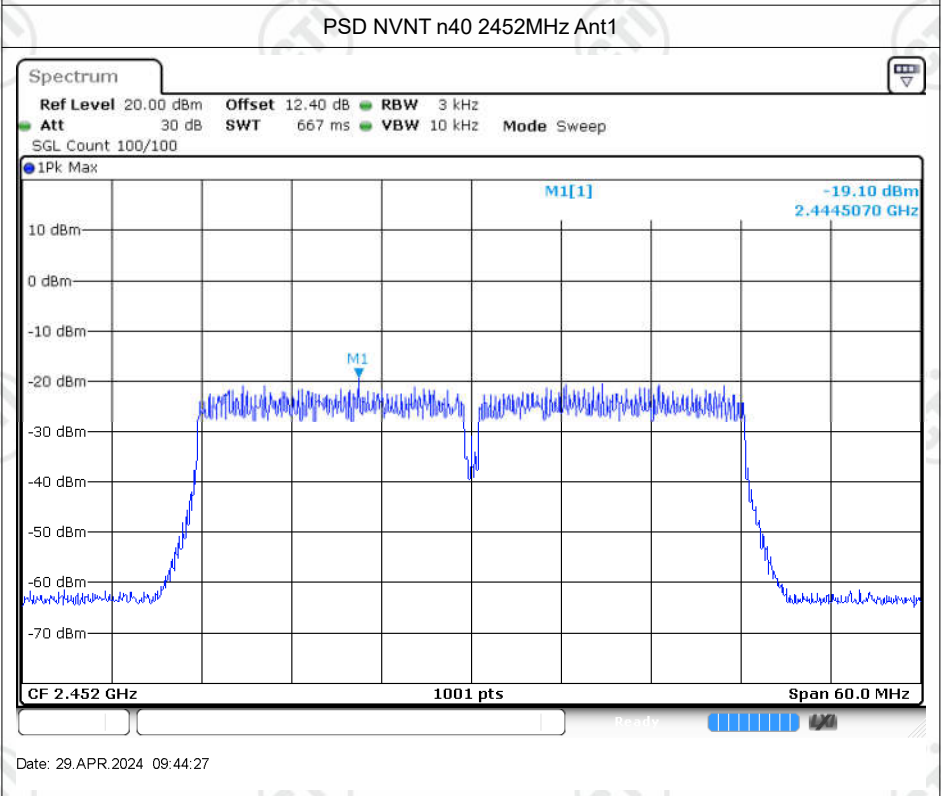
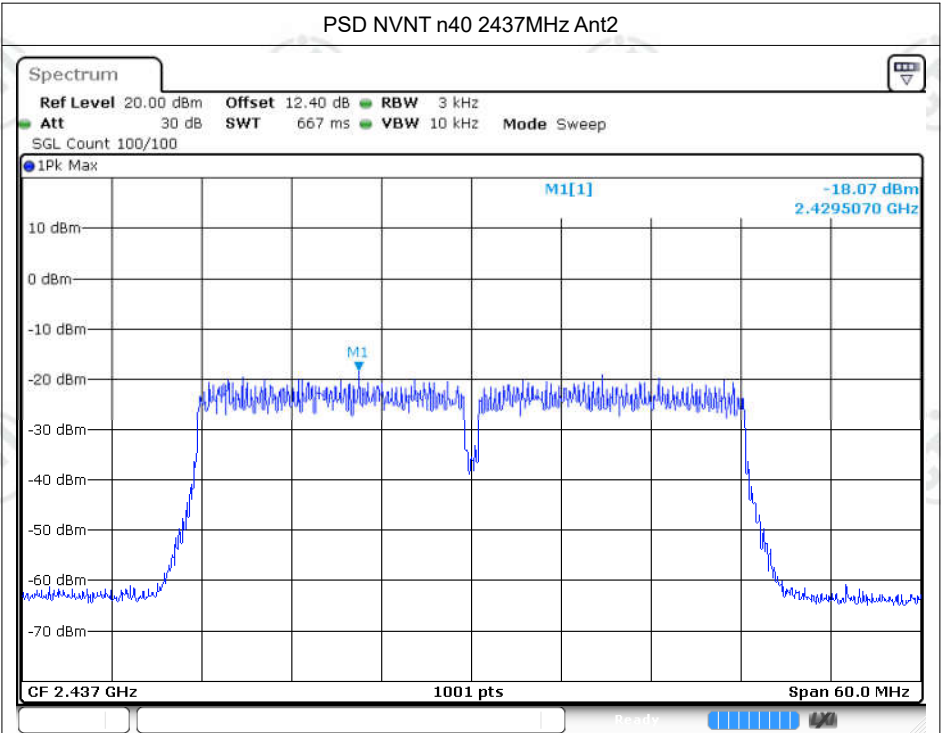
Date: 29.APR.2024 09:09:08

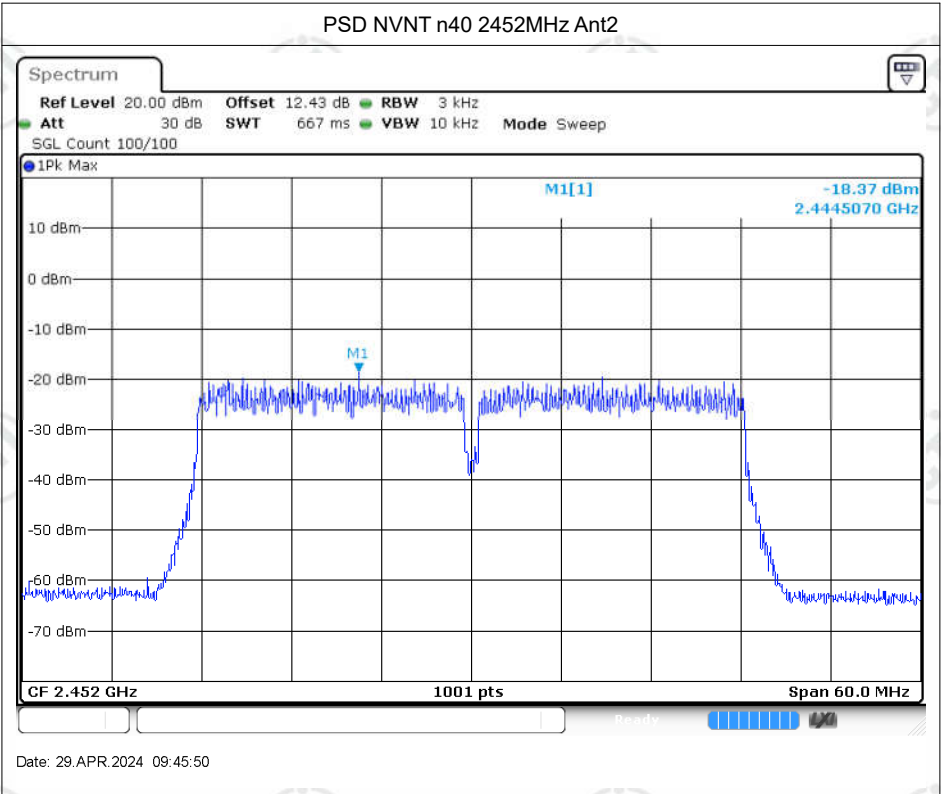


Date: 29.APR.2024 09:12:31



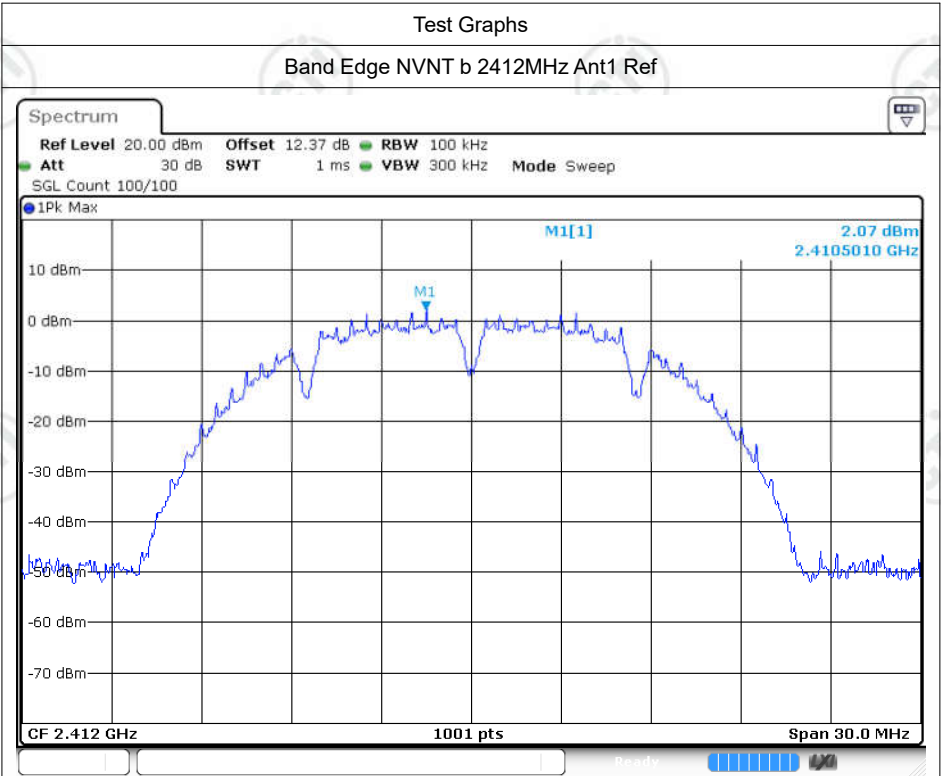




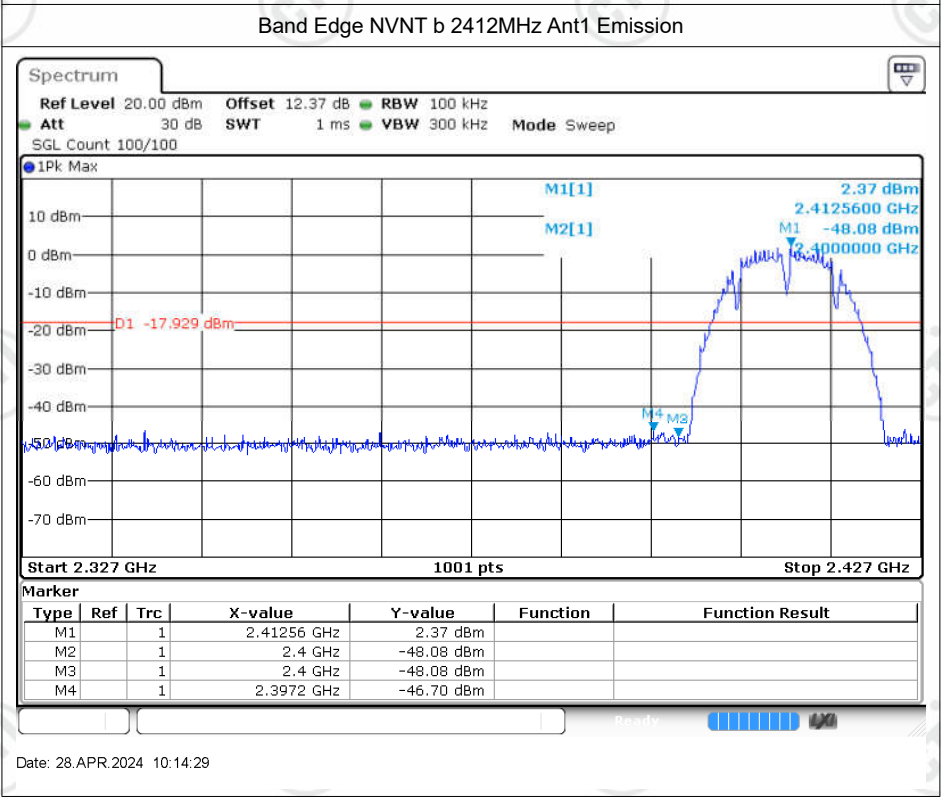


Band Edge

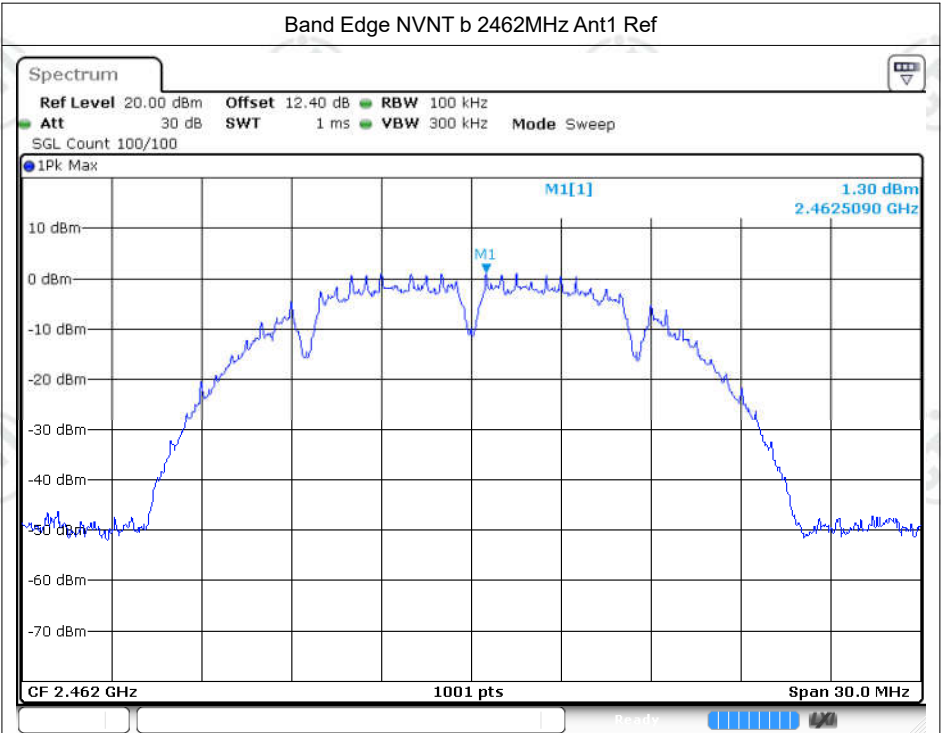
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.77	-20	Pass
NVNT	b	2462	Ant1	-48.71	-20	Pass
NVNT	b	2412	Ant2	-46.88	-20	Pass
NVNT	b	2462	Ant2	-50.47	-20	Pass
NVHT	b	2412	Ant1	-47.96	-20	Pass
NVNT	g	2412	Ant1	-42.68	-20	Pass
NVNT	g	2462	Ant1	-46.5	-20	Pass
NVNT	g	2412	Ant2	-45.48	-20	Pass
NVNT	g	2462	Ant2	-46.71	-20	Pass
NVNT	n20	2412	Ant1	-42.35	-20	Pass
NVNT	n20	2462	Ant1	-47.17	-20	Pass
NVNT	n20	2412	Ant2	-44.22	-20	Pass
NVNT	n20	2462	Ant2	-46.41	-20	Pass
NVNT	n40	2422	Ant1	-41.93	-20	Pass
NVNT	n40	2452	Ant1	-40.98	-20	Pass
NVNT	n40	2422	Ant2	-42.2	-20	Pass
NVNT	n40	2452	Ant2	-43.02	-20	Pass



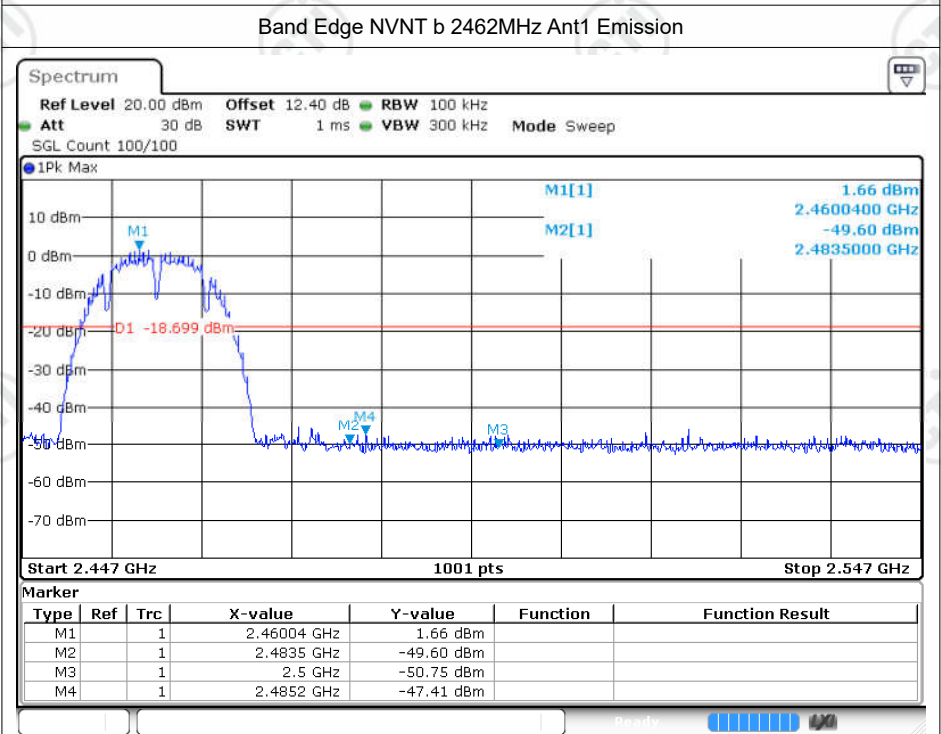
Date: 28.APR.2024 10:14:27



Date: 28.APR.2024 10:14:29



Date: 28.APR.2024 10:04:28



Date: 28.APR.2024 10:04:29

