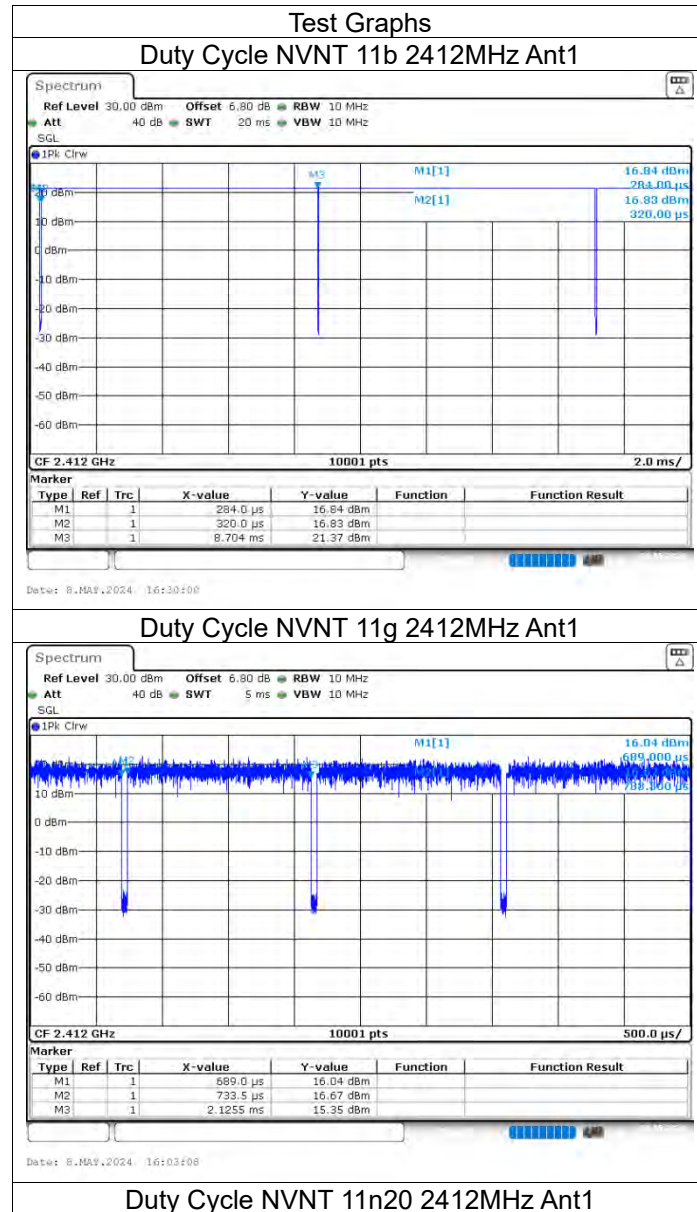


APPENDIX B

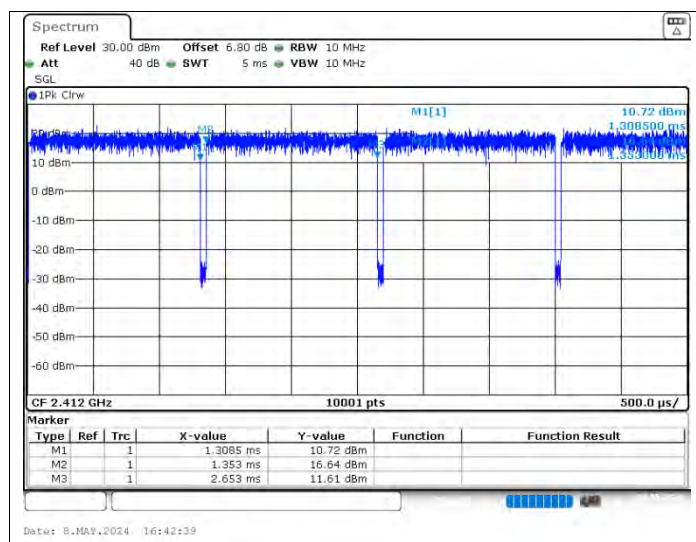
WLAN

DUTY CYCLE

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
11B	2412	Ant1	99.57	0.02	0.12
11G	2412	Ant1	96.9	0.14	0.72
11N20SISO	2412	Ant1	96.69	0.15	0.77

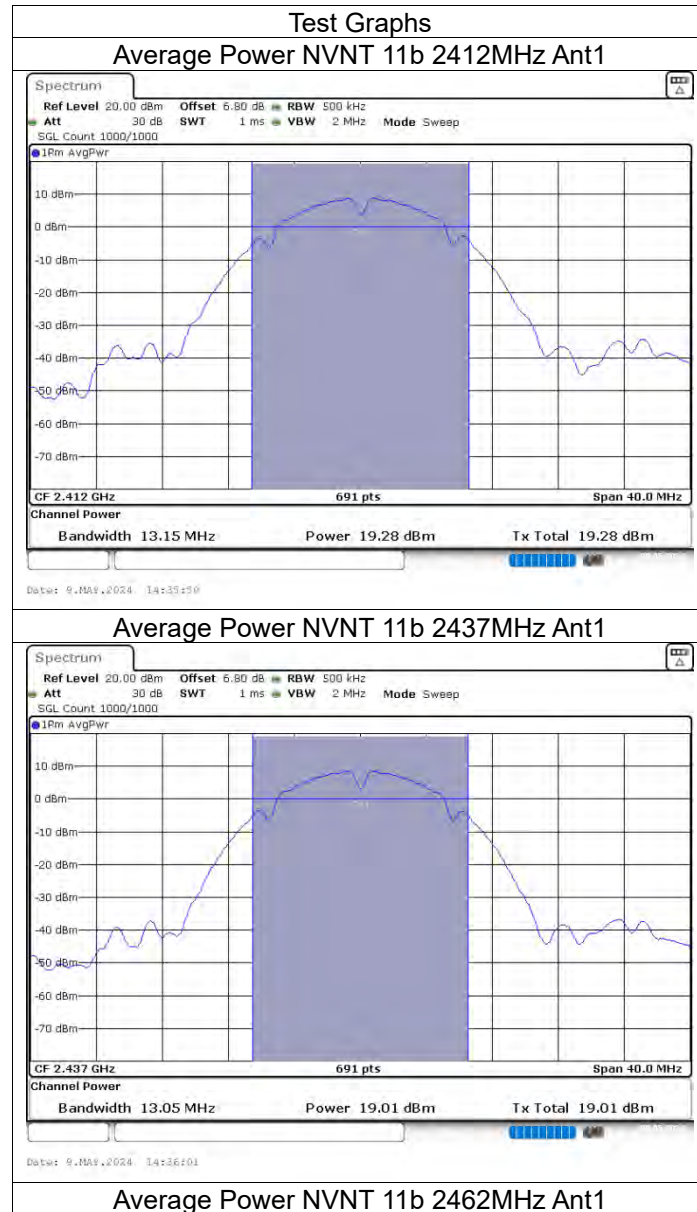


Reference No.: W7L-240507W001RF02



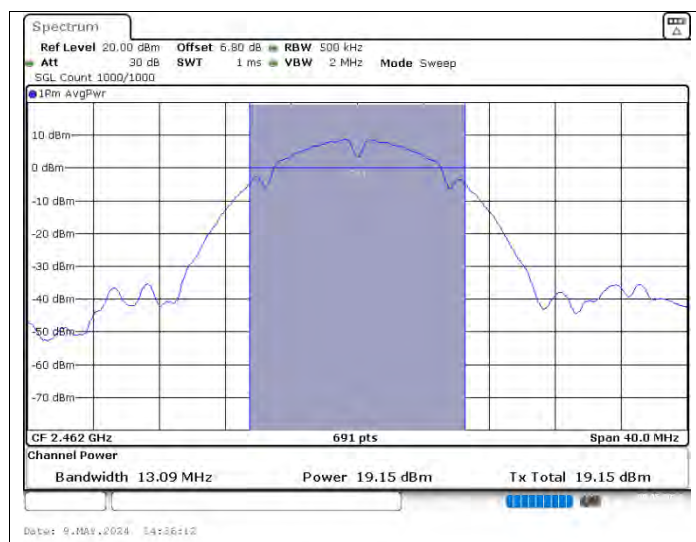
MAXIMUM AVERAGE CONDUCTED OUTPUT POWER

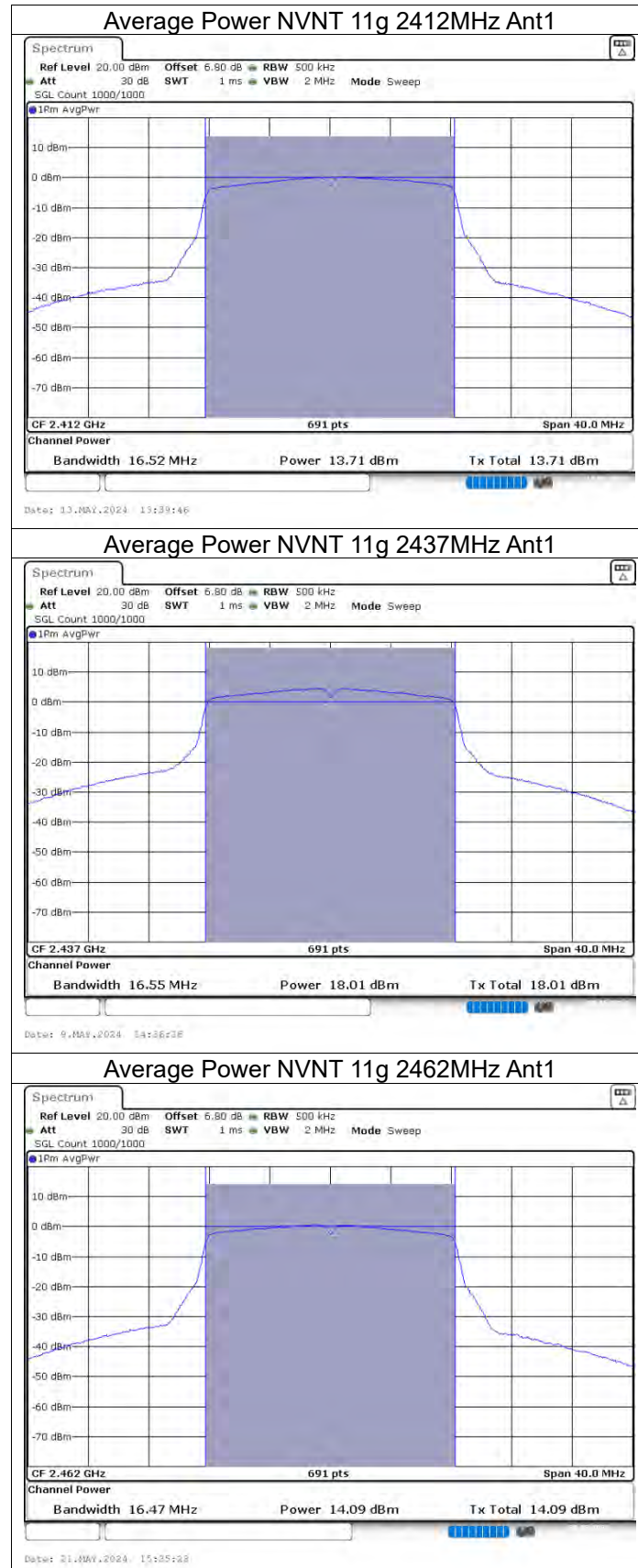
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
11B	2412	Ant1	19.28	0.02	19.3	30	Pass
11B	2437	Ant1	19.01	0.02	19.03	30	Pass
11B	2462	Ant1	19.15	0.02	19.17	30	Pass
11G	2412	Ant1	13.71	0.14	13.85	30	Pass
11G	2437	Ant1	18.01	0.14	18.15	30	Pass
11G	2462	Ant1	14.09	0.14	14.23	30	Pass
11N20SISO	2412	Ant1	13.83	0.15	13.98	30	Pass
11N20SISO	2437	Ant1	17.85	0.15	18	30	Pass
11N20SISO	2462	Ant1	13.97	0.15	14.12	30	Pass

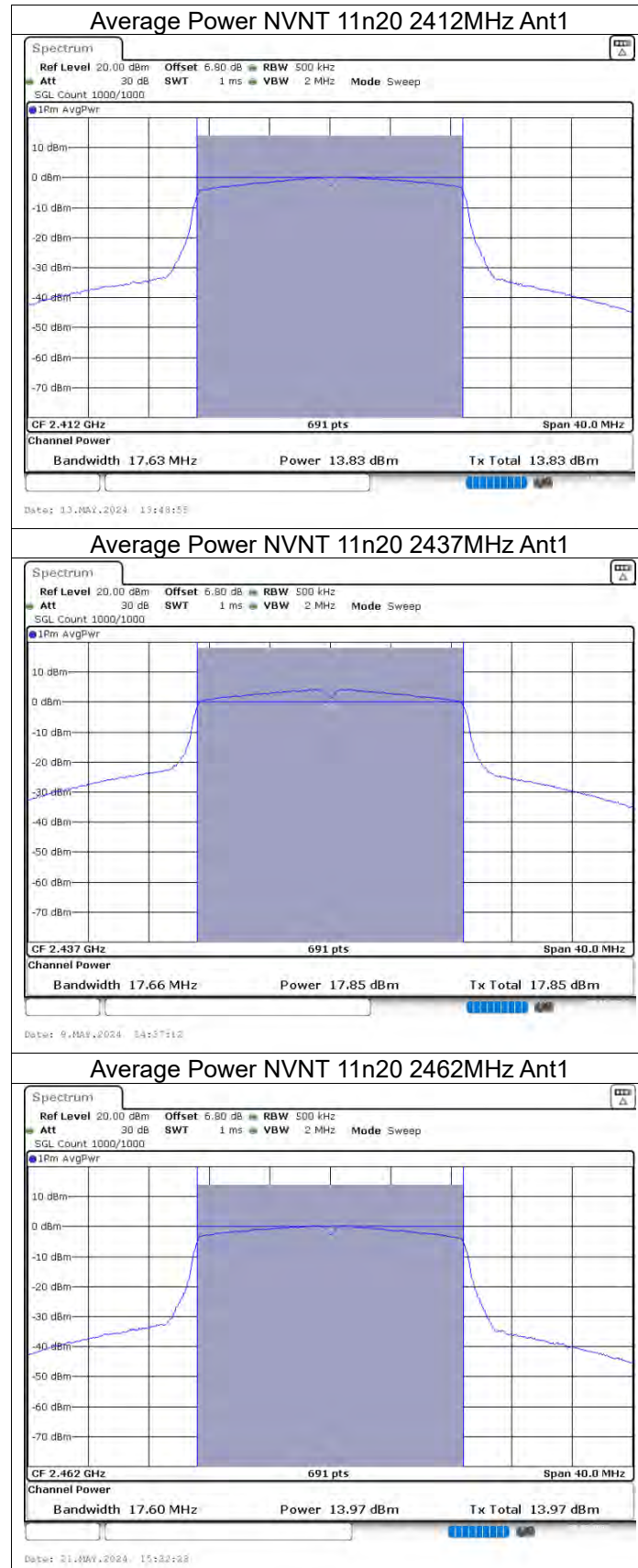




Reference No.: W7L-240507W001RF02

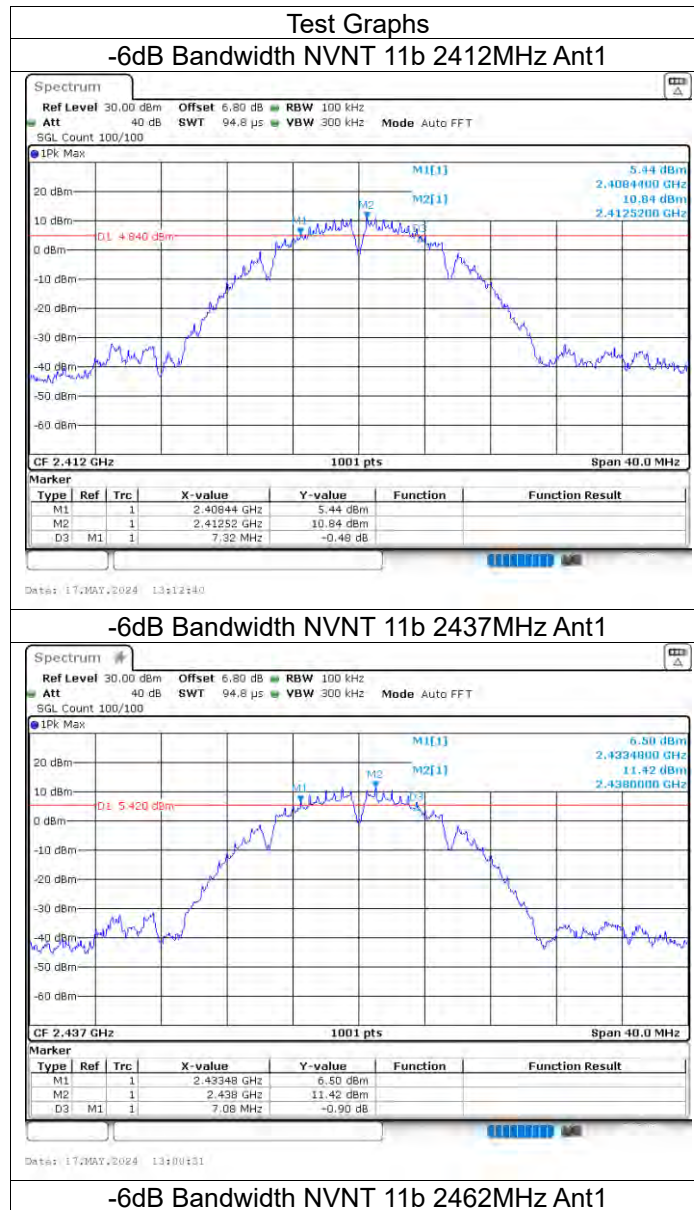


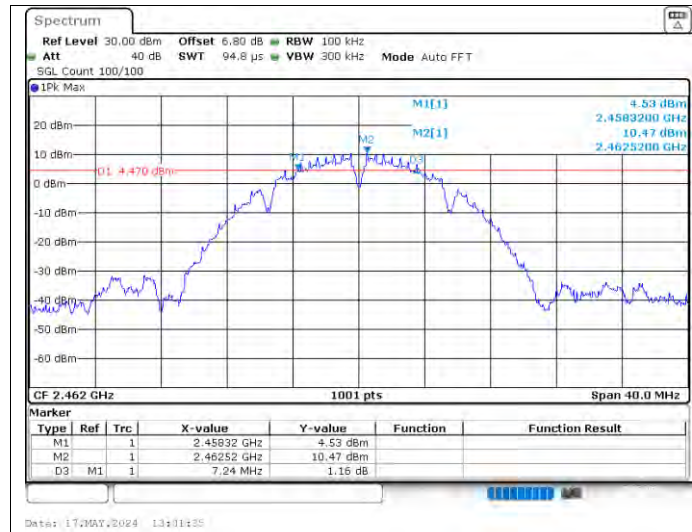




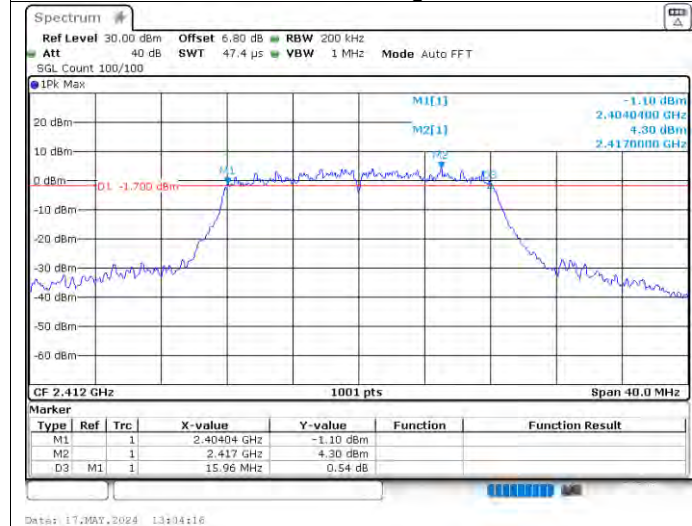
-6DB BANDWIDTH

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.32	2408.44	2415.76	0.5	PASS
11B	Ant1	2437	7.08	2433.48	2440.56	0.5	PASS
11B	Ant1	2462	7.24	2458.32	2465.56	0.5	PASS
11G	Ant1	2412	15.96	2404.04	2420.00	0.5	PASS
11G	Ant1	2437	15.96	2429.04	2445.00	0.5	PASS
11G	Ant1	2462	16.28	2453.84	2463.68	0.5	PASS
11N20SISO	Ant1	2412	17.40	2403.40	2420.80	0.5	PASS
11N20SISO	Ant1	2437	17.20	2428.44	2445.64	0.5	PASS
11N20SISO	Ant1	2462	17.40	2453.24	2467	0.5	PASS

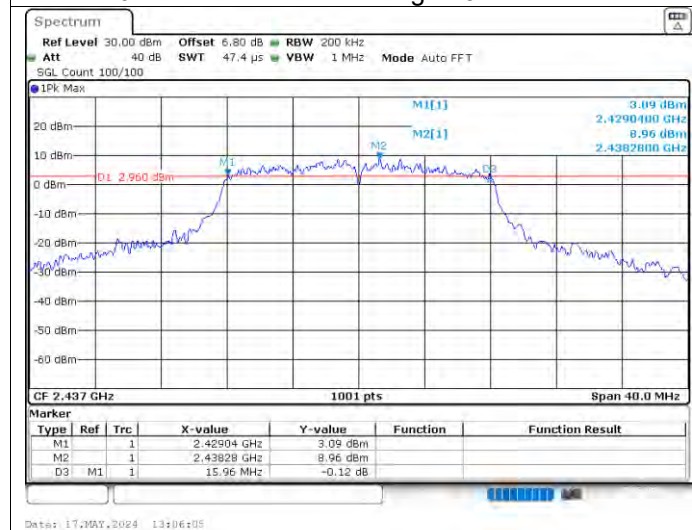




-6dB Bandwidth NVNT 11g 2412MHz Ant1

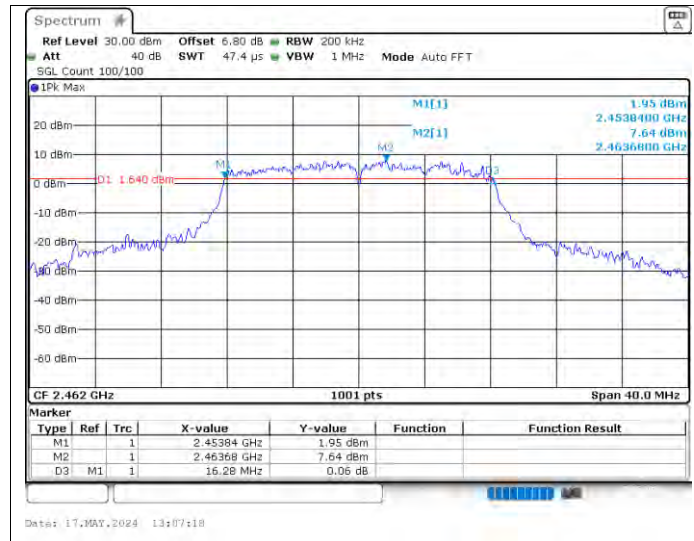


-6dB Bandwidth NVNT 11g 2437MHz Ant1

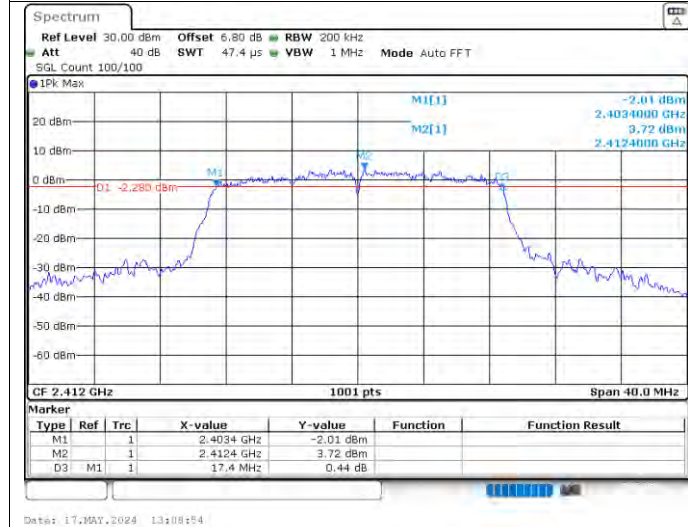


-6dB Bandwidth NVNT 11g 2462MHz Ant1

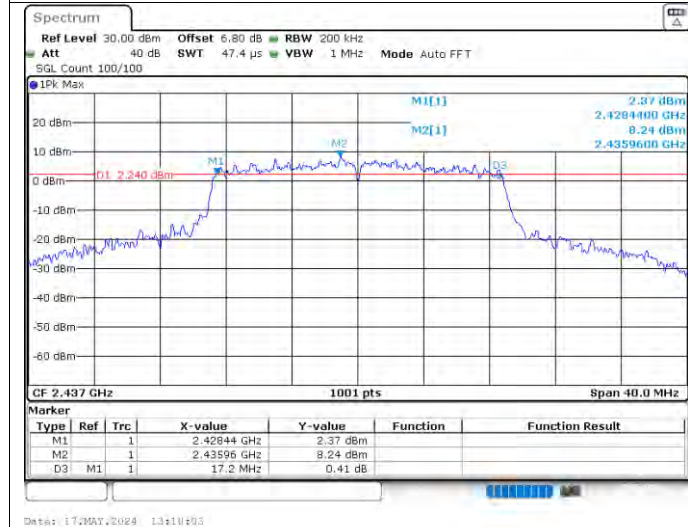
Reference No.: W7L-240507W001RF02



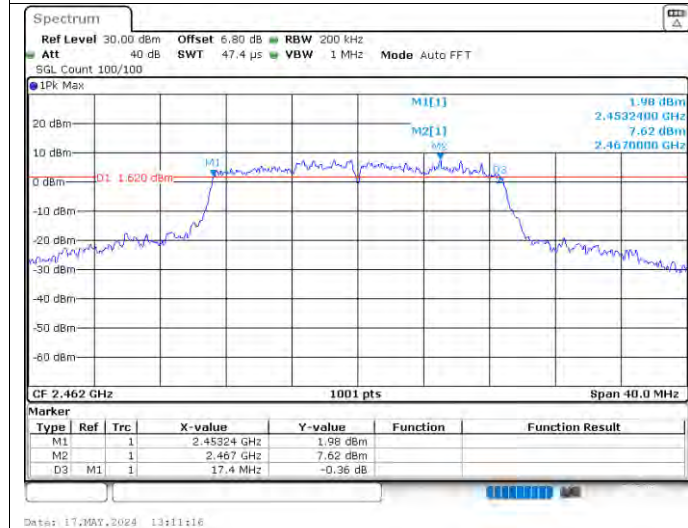
-6dB Bandwidth NVNT 11n20 2412MHz Ant1



-6dB Bandwidth NVNT 11n20 2437MHz Ant1



-6dB Bandwidth NVNT 11n20 2462MHz Ant1

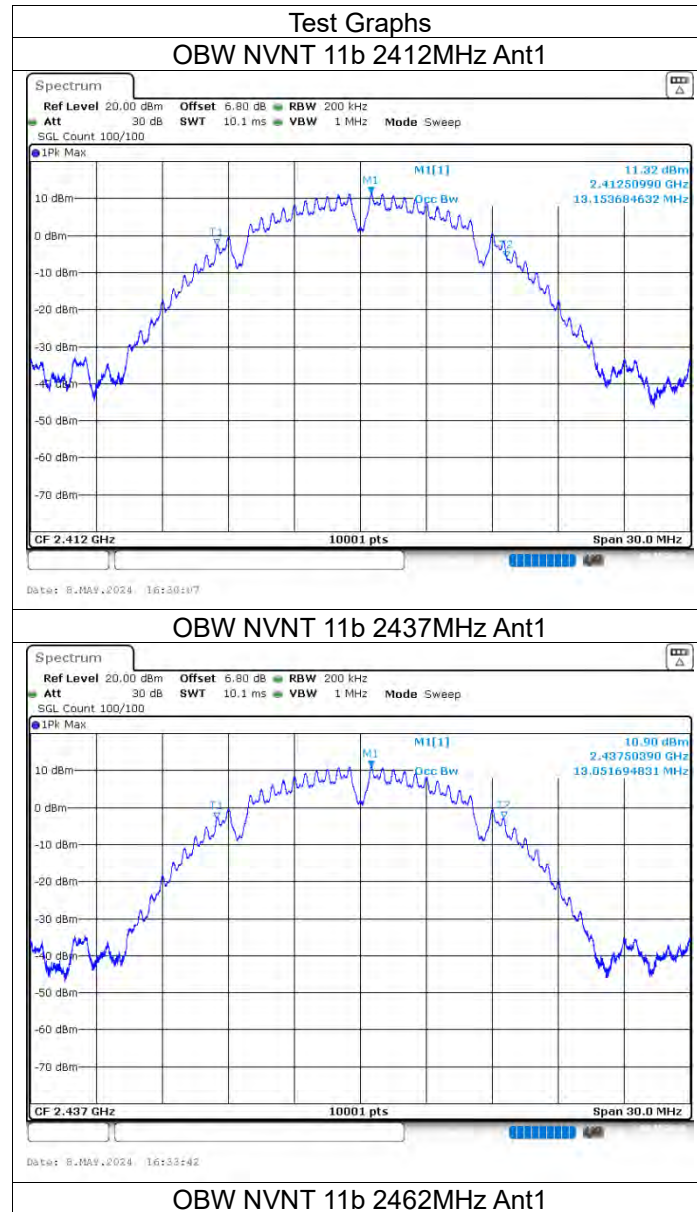




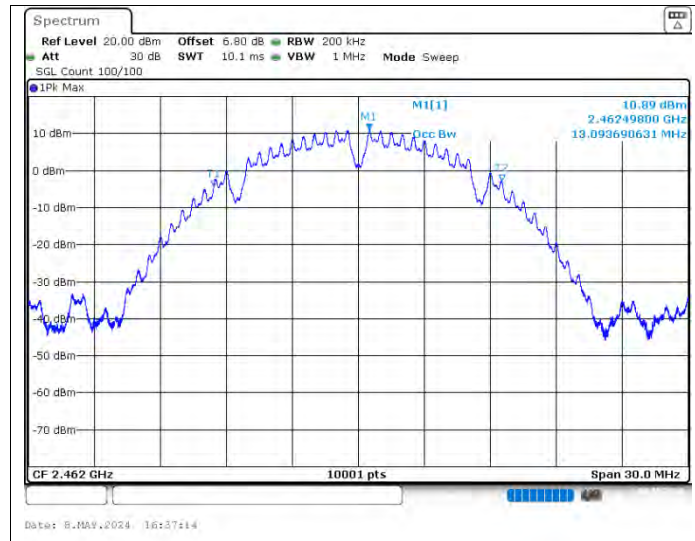
Reference No.: W7L-240507W001RF02

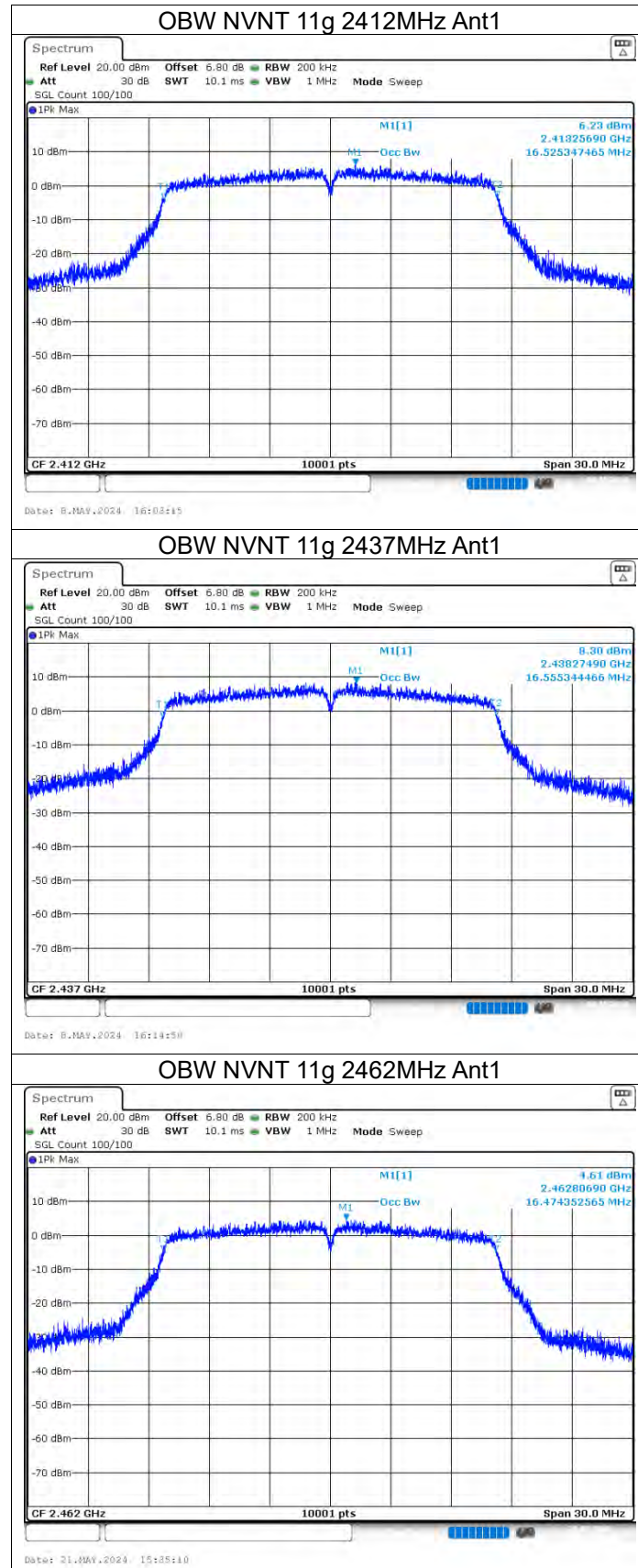
OCCUPIED CHANNEL BANDWIDTH

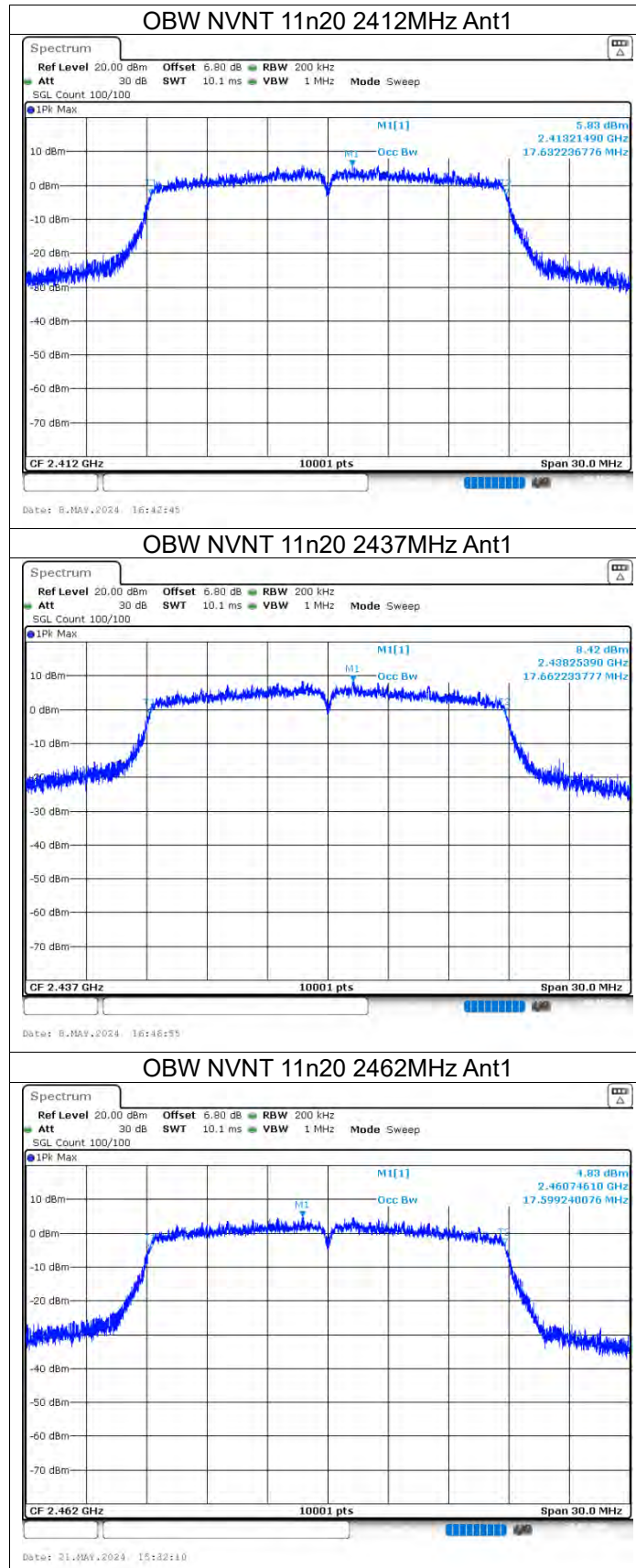
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
11B	2412	Ant1	13.154	Pass
11B	2437	Ant1	13.052	Pass
11B	2462	Ant1	13.094	Pass
11G	2412	Ant1	16.525	Pass
11G	2437	Ant1	16.555	Pass
11G	2462	Ant1	16.474	Pass
11N20SISO	2412	Ant1	17.632	Pass
11N20SISO	2437	Ant1	17.662	Pass
11N20SISO	2462	Ant1	17.599	Pass



Reference No.: W7L-240507W001RF02

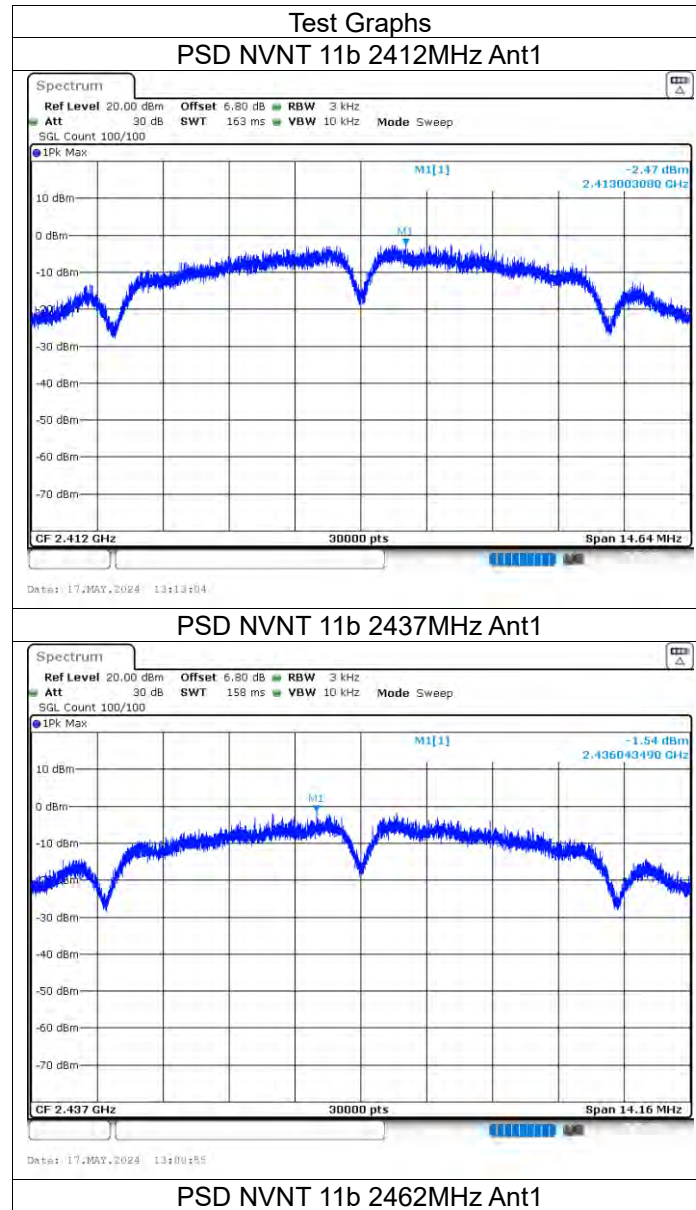






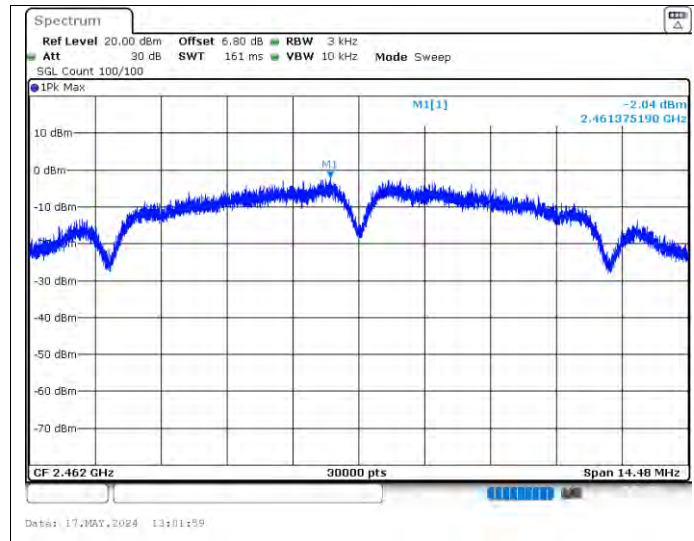
MAXIMUM POWER SPECTRAL DENSITY LEVEL

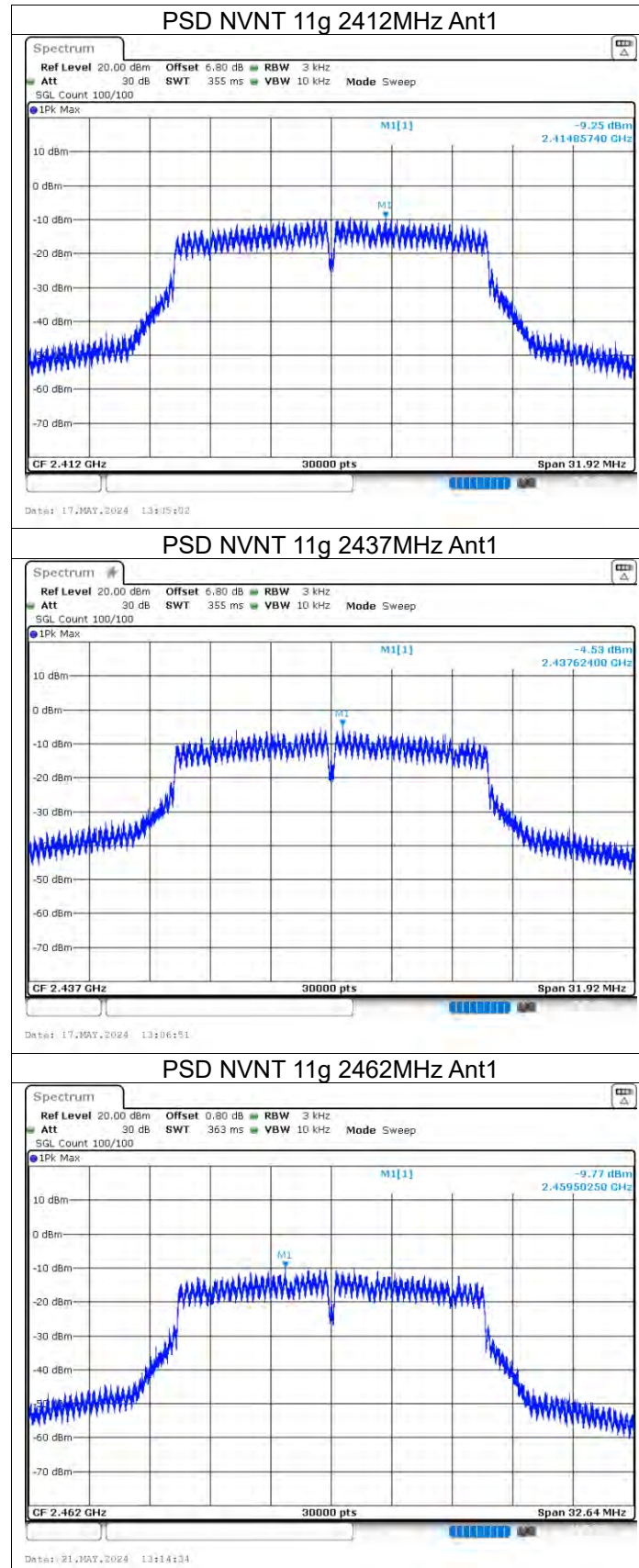
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.47	≤8.00	PASS
11B	Ant1	2437	-1.54	≤8.00	PASS
11B	Ant1	2462	-2.04	≤8.00	PASS
11G	Ant1	2412	-9.25	≤8.00	PASS
11G	Ant1	2437	-4.53	≤8.00	PASS
11G	Ant1	2462	-9.77	≤8.00	PASS
11N20SISO	Ant1	2412	-9.00	≤8.00	PASS
11N20SISO	Ant1	2437	-5.81	≤8.00	PASS
11N20SISO	Ant1	2462	-10.38	≤8.00	PASS

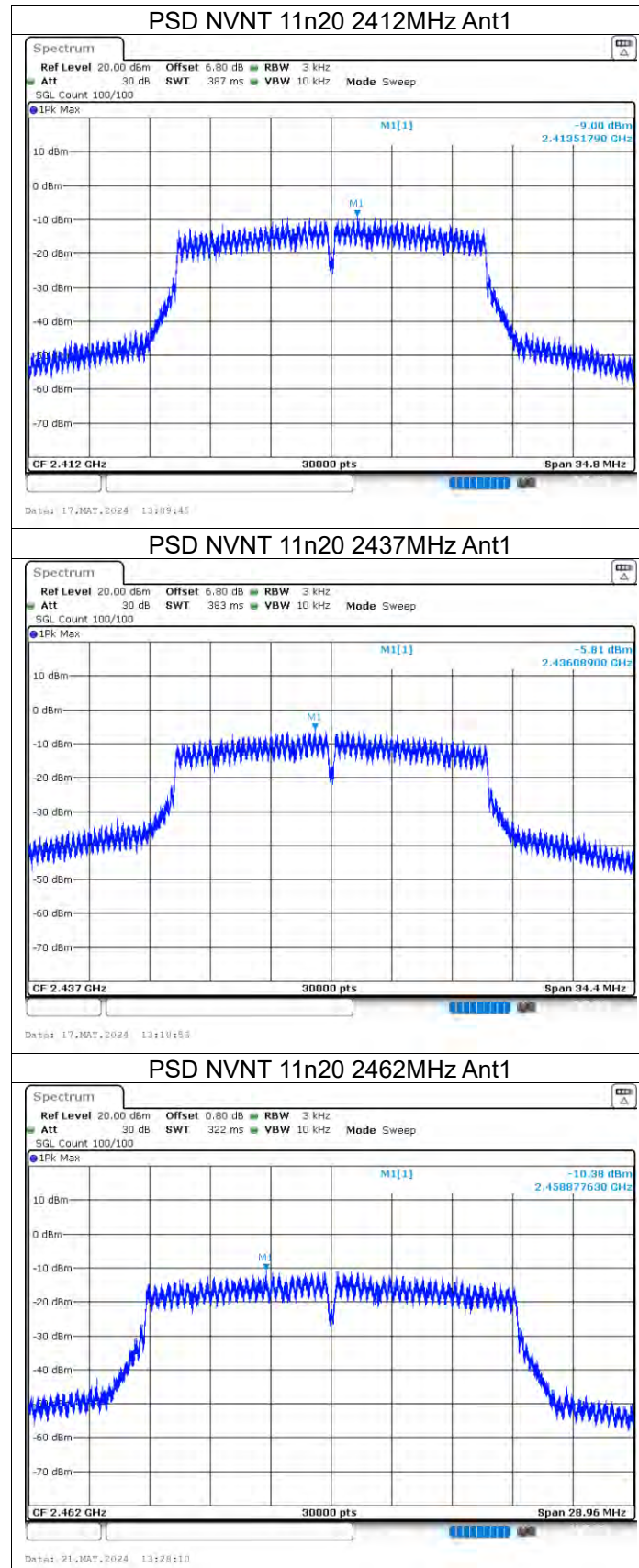




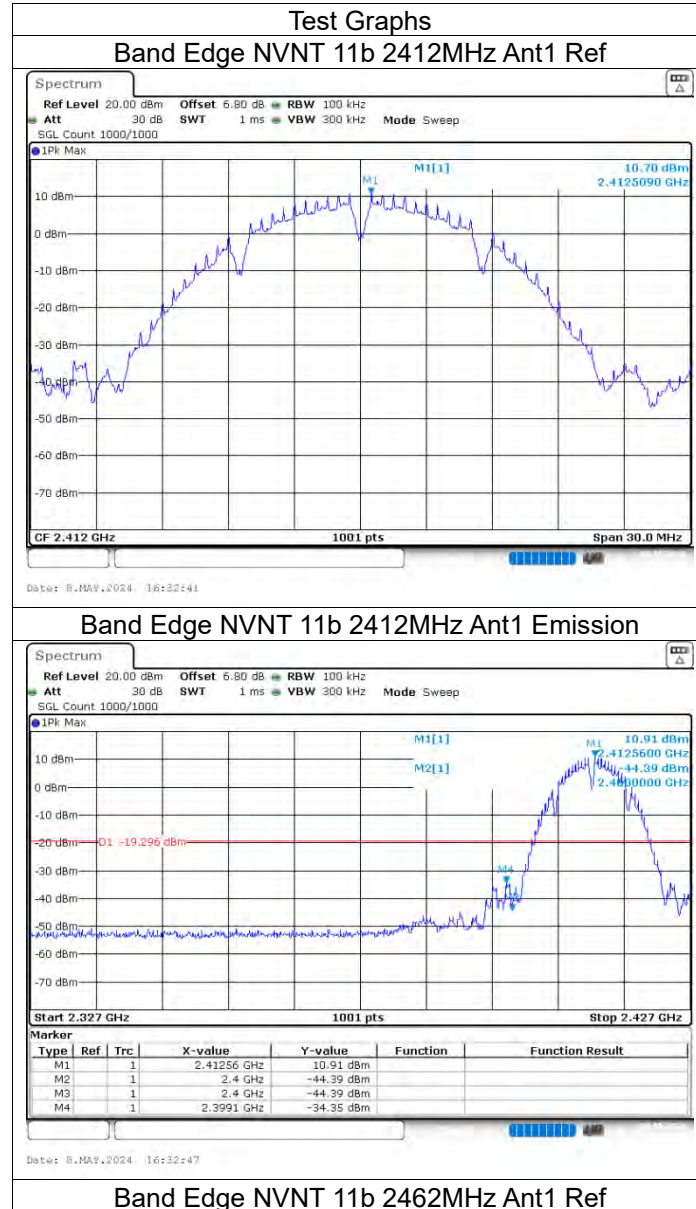
Reference No.: W7L-240507W001RF02





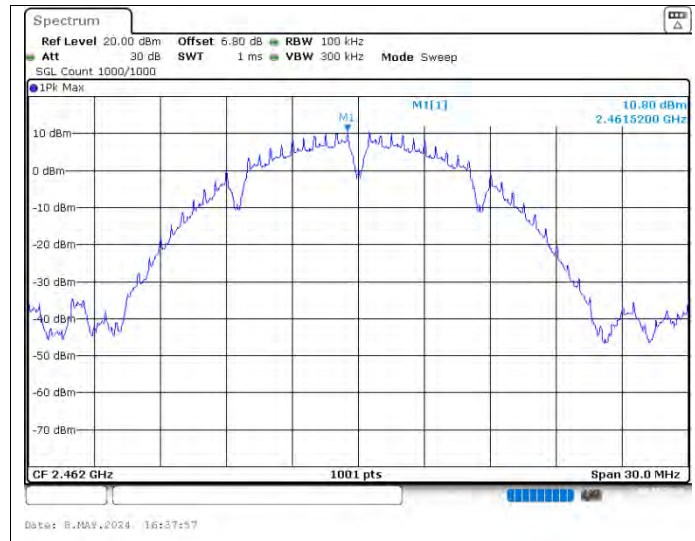


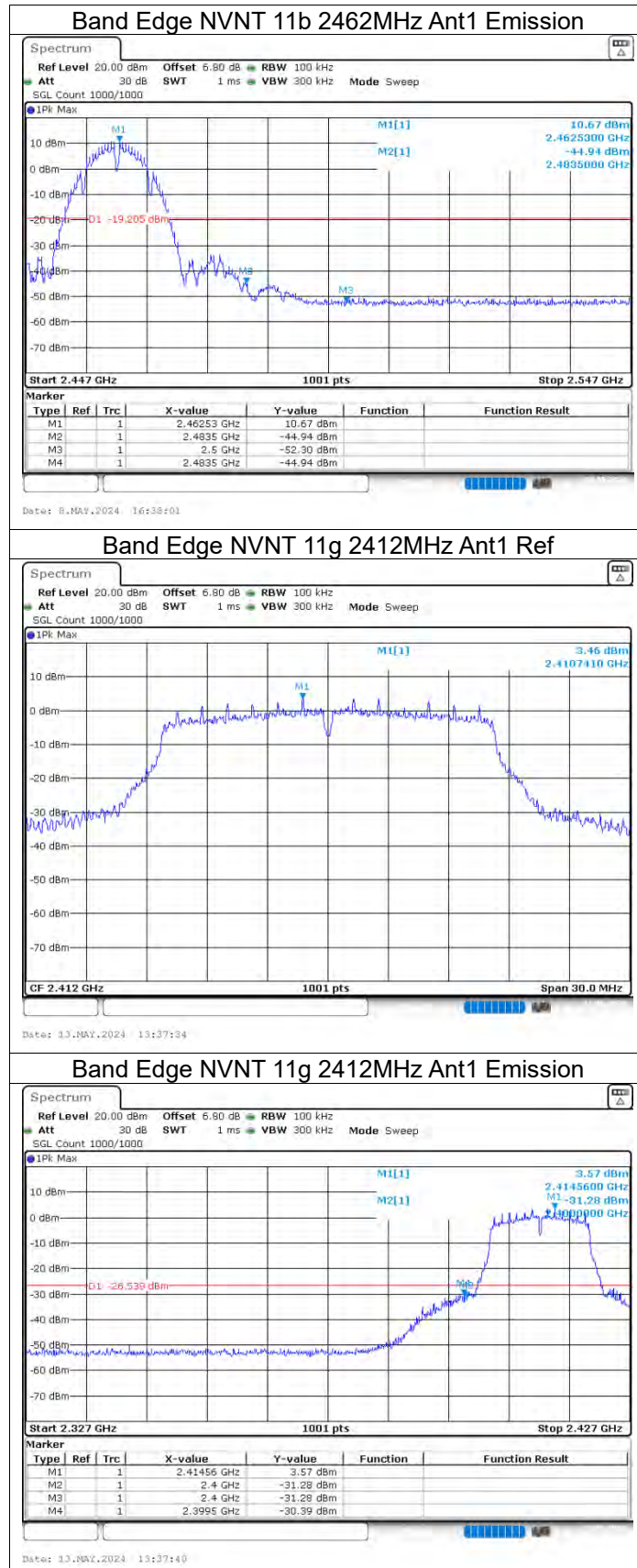
BAND EDGE

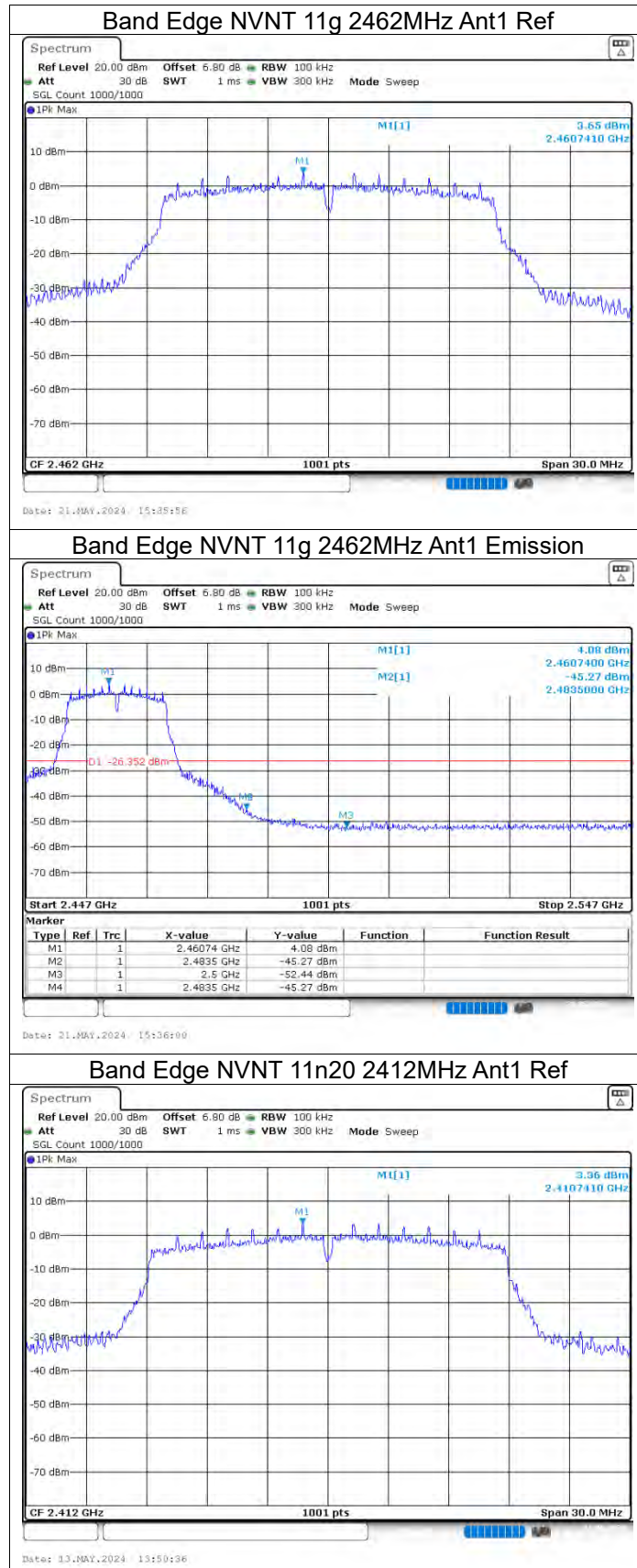


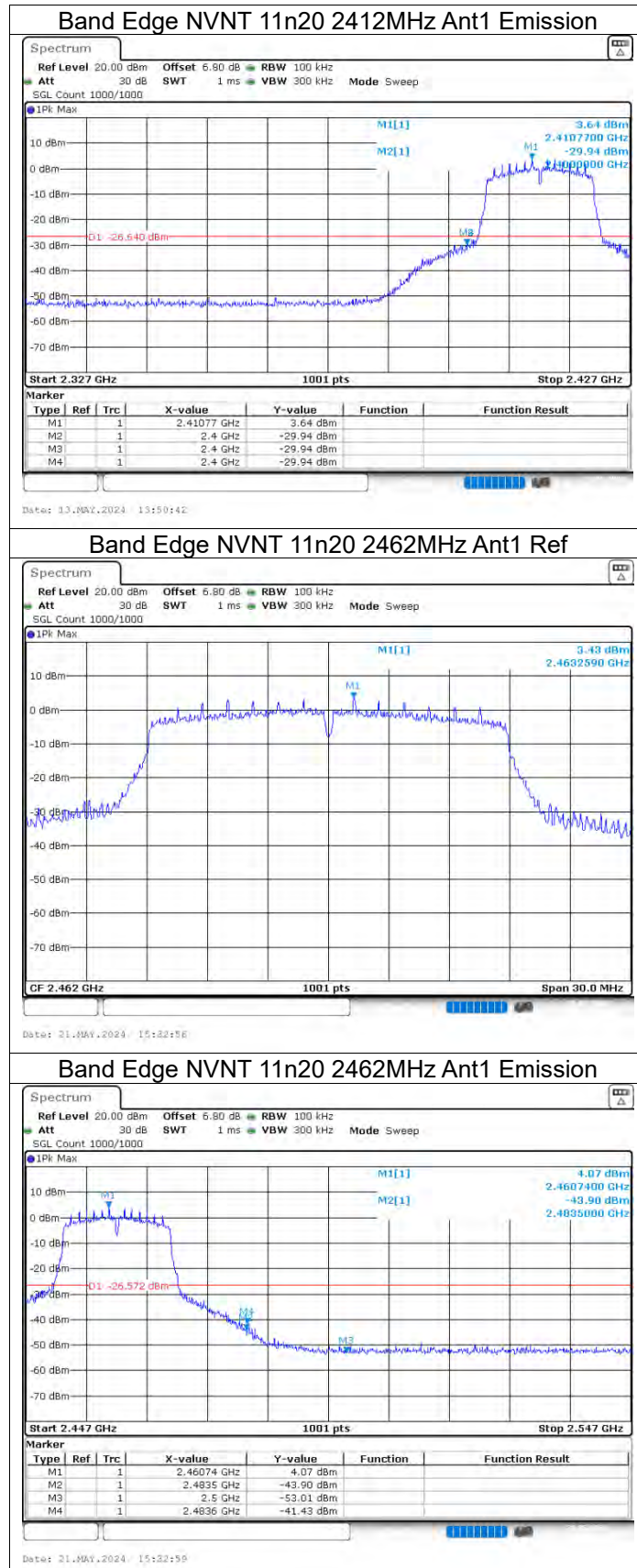


Reference No.: W7L-240507W001RF02

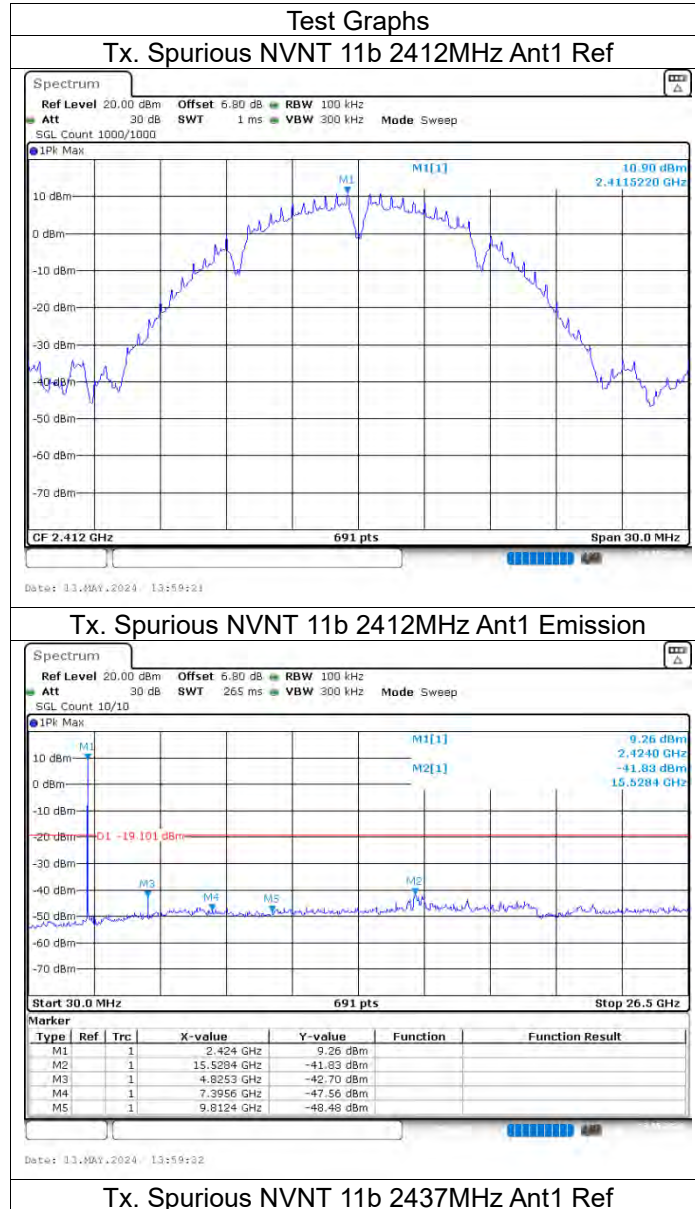




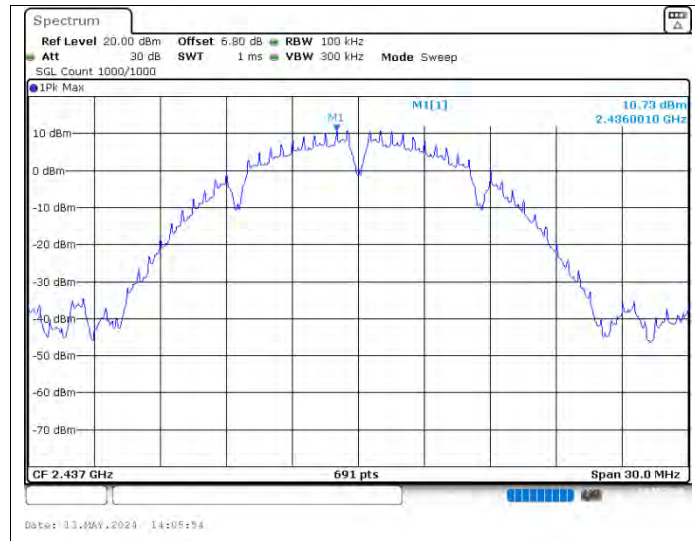




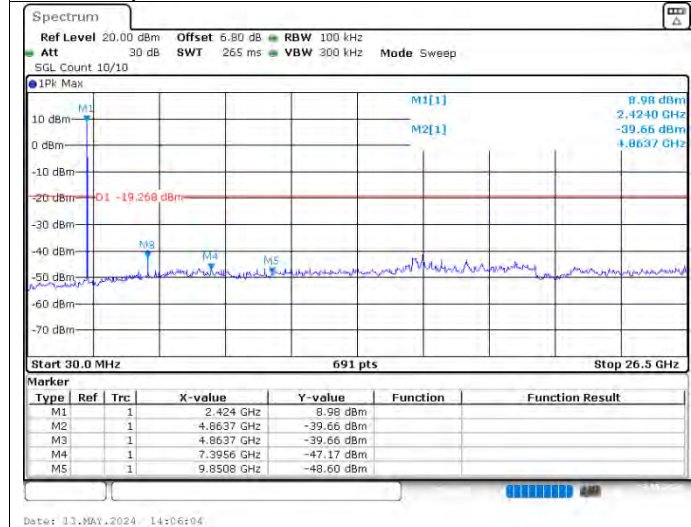
CONDUCTED RF SPURIOUS EMISSION



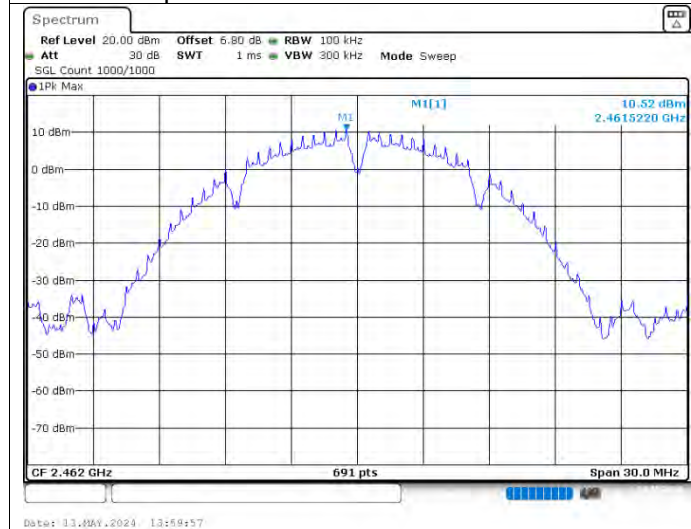
Reference No.: W7L-240507W001RF02



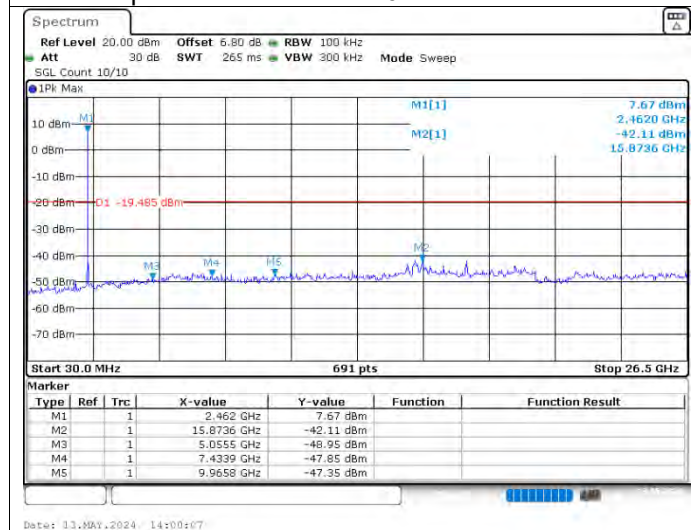
Tx. Spurious NVNT 11b 2437MHz Ant1 Emission

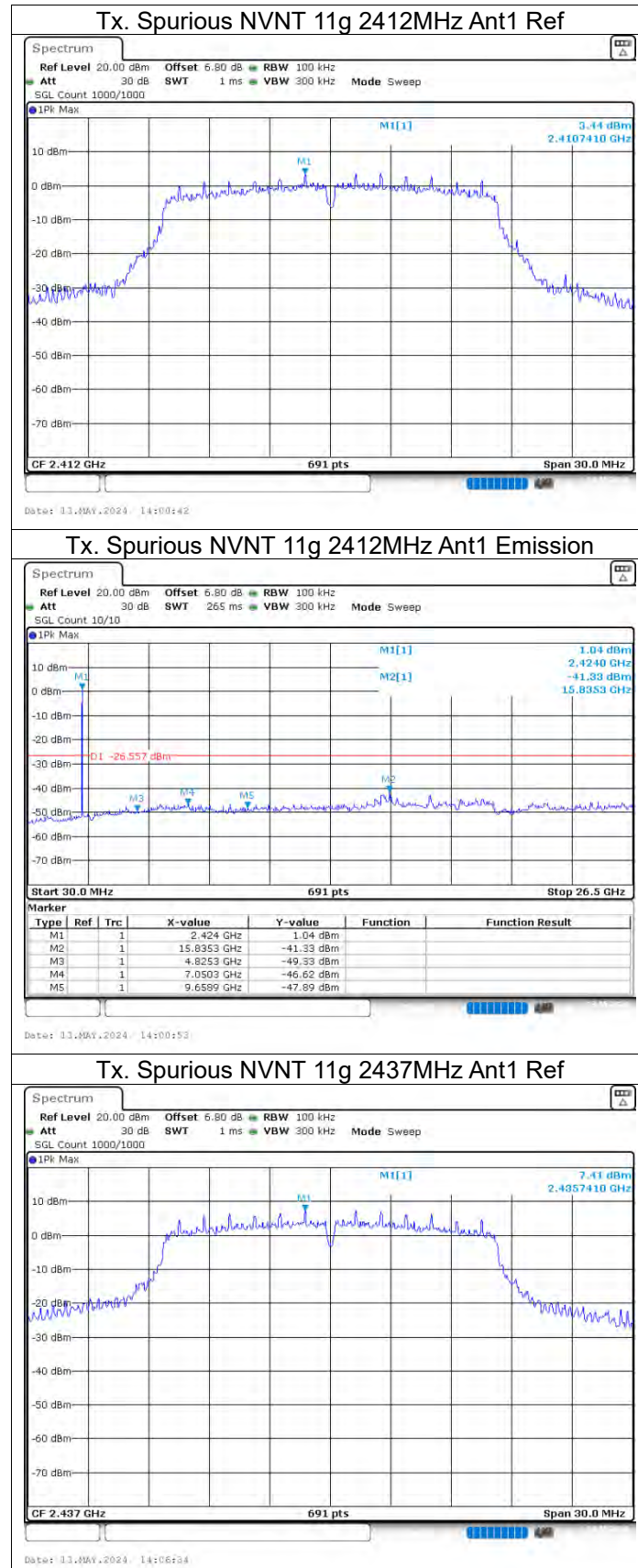


Tx. Spurious NVNT 11b 2462MHz Ant1 Ref

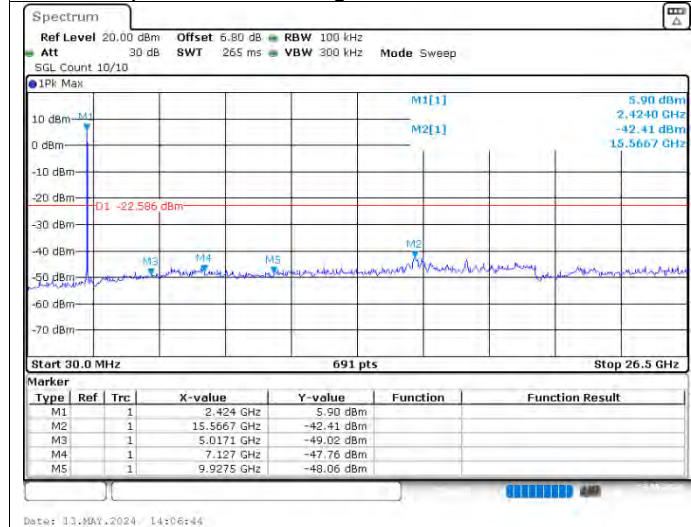


Tx. Spurious NVNT 11b 2462MHz Ant1 Emission

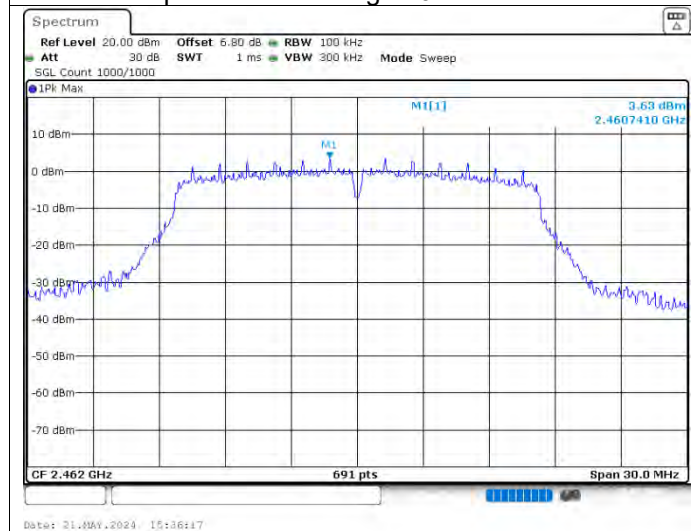




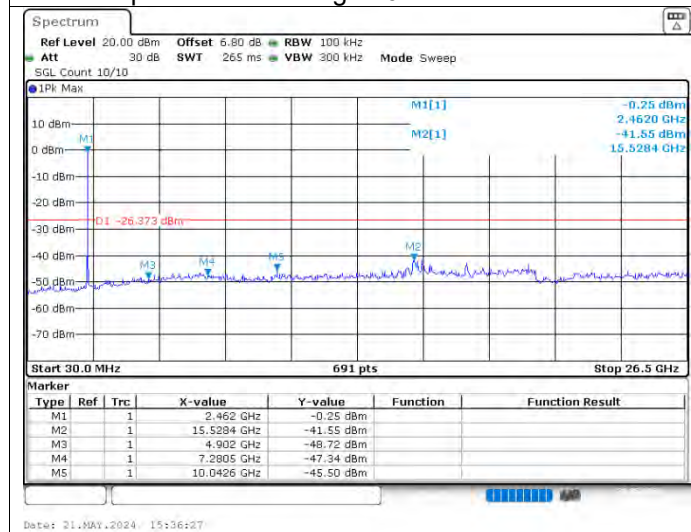
Tx. Spurious NVNT 11g 2437MHz Ant1 Emission



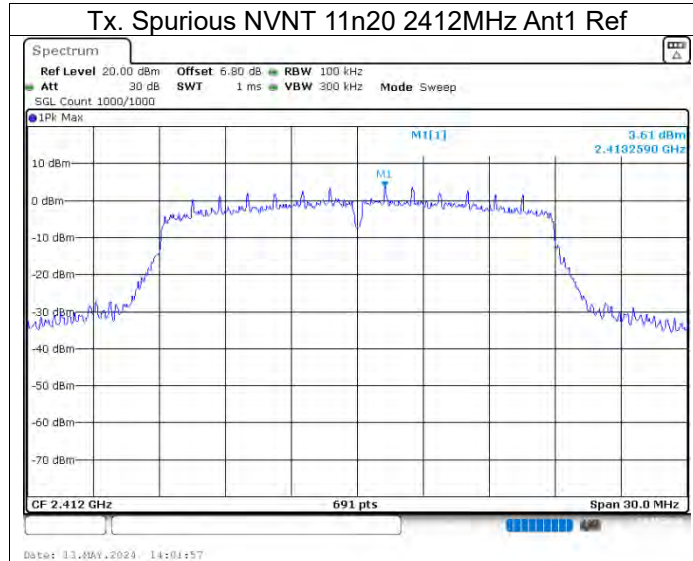
Tx. Spurious NVNT 11g 2462MHz Ant1 Ref



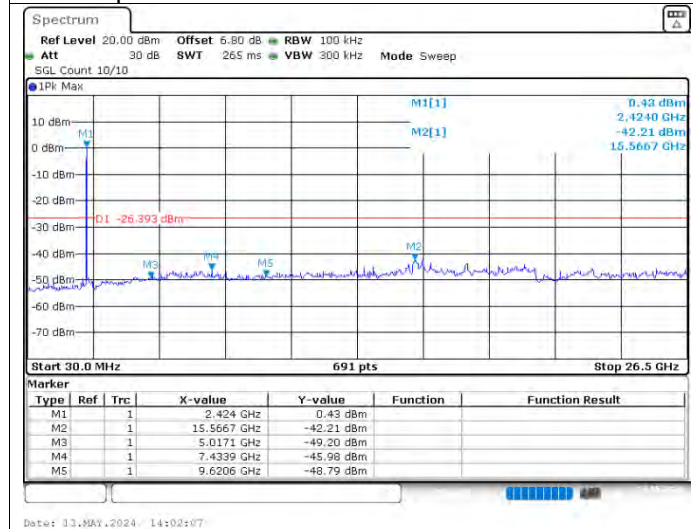
Tx. Spurious NVNT 11g 2462MHz Ant1 Emission



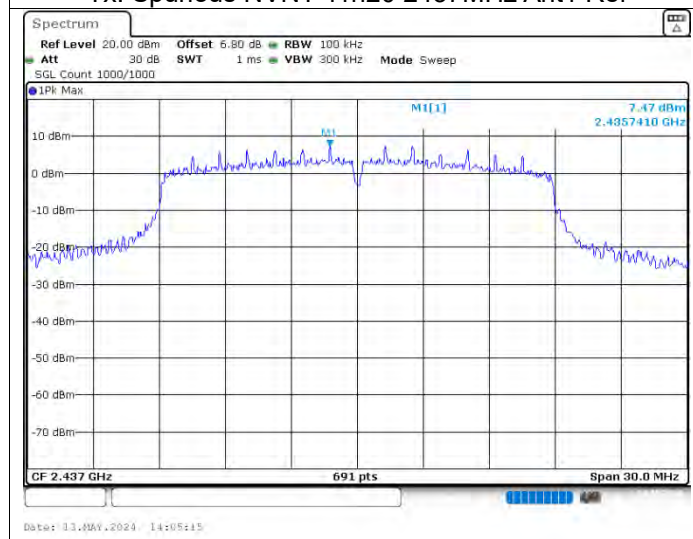
Tx. Spurious NVNT 11n20 2412MHz Ant1 Ref

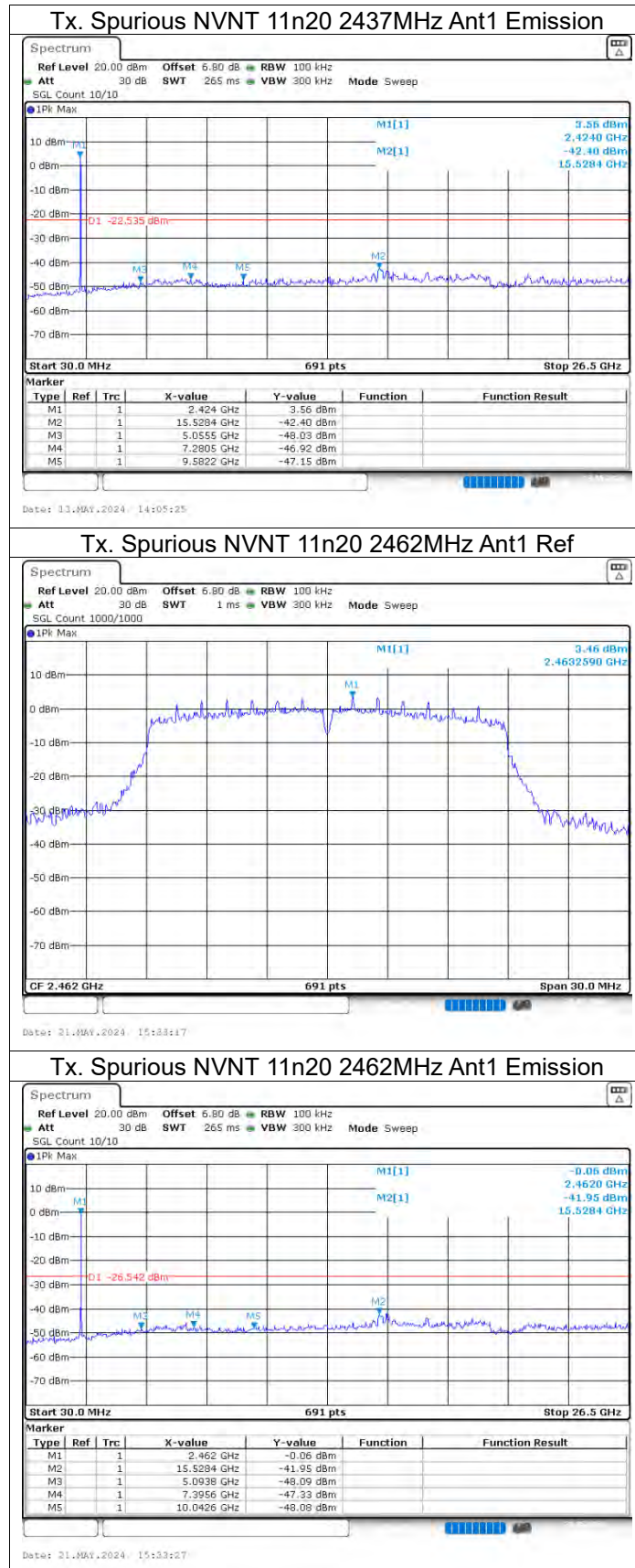


Tx. Spurious NVNT 11n20 2412MHz Ant1 Emission



Tx. Spurious NVNT 11n20 2437MHz Ant1 Ref





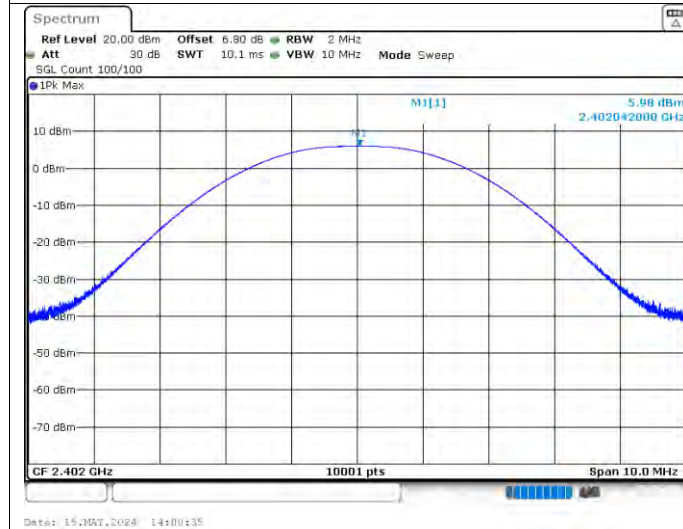
BLE

MAXIMUM PEAK CONDUCTED OUTPUT POWER

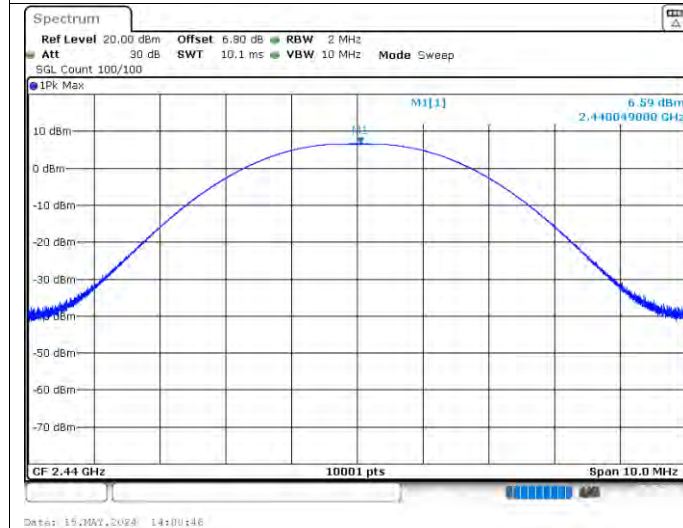
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
BLE 1M	2402	Ant1	5.98	30	Pass
BLE 1M	2440	Ant1	6.59	30	Pass
BLE 1M	2480	Ant1	5.4	30	Pass
BLE 2M	2404	Ant1	6.03	30	Pass
BLE 2M	2440	Ant1	6.58	30	Pass
BLE 2M	2478	Ant1	5.49	30	Pass
BLE S2	2402	Ant1	5.97	30	Pass
BLE S2	2440	Ant1	6.57	30	Pass
BLE S2	2480	Ant1	5.37	30	Pass
BLE S8	2402	Ant1	5.92	30	Pass
BLE S8	2440	Ant1	6.52	30	Pass
BLE S8	2480	Ant1	5.33	30	Pass

Test Graphs

Peak Power NVNT BLE 1M 2402MHz Ant1



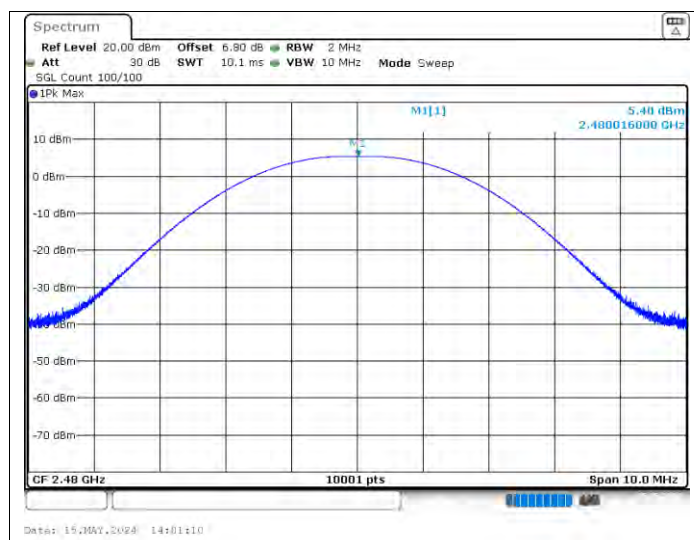
Peak Power NVNT BLE 1M 2440MHz Ant1

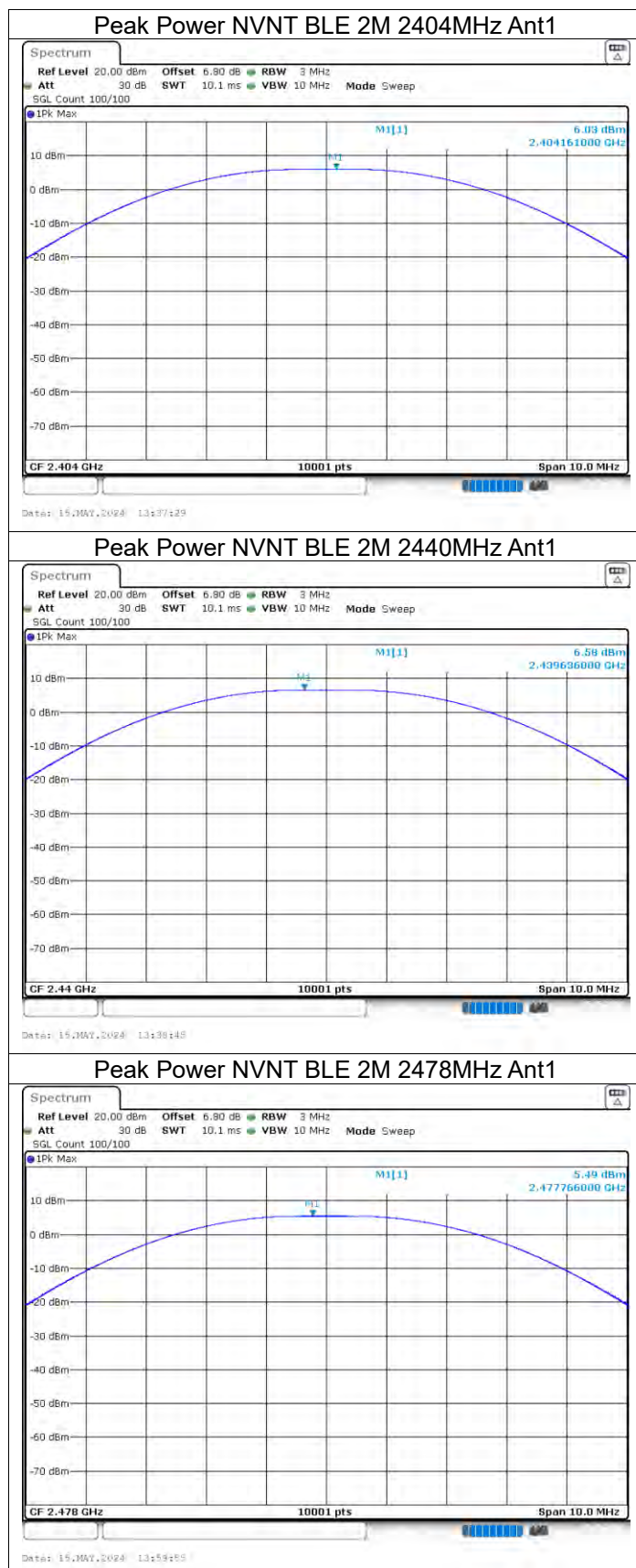


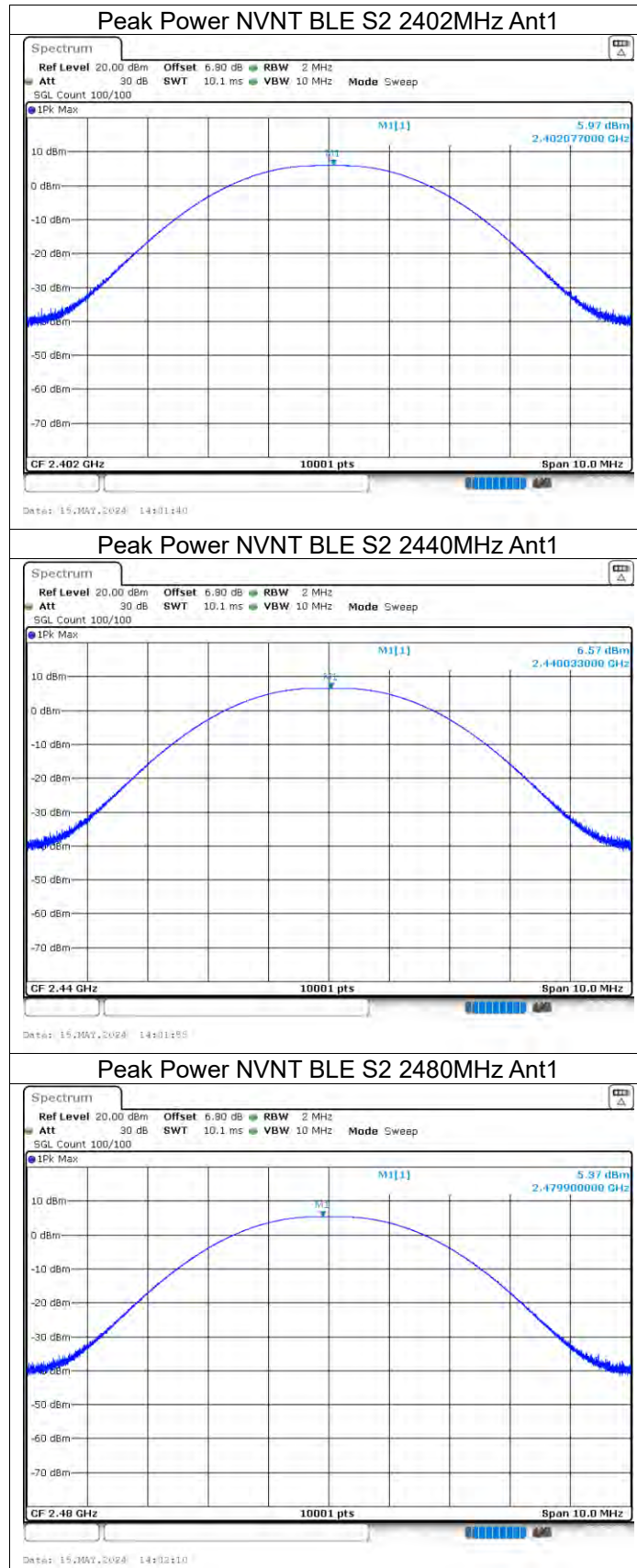
Peak Power NVNT BLE 1M 2480MHz Ant1

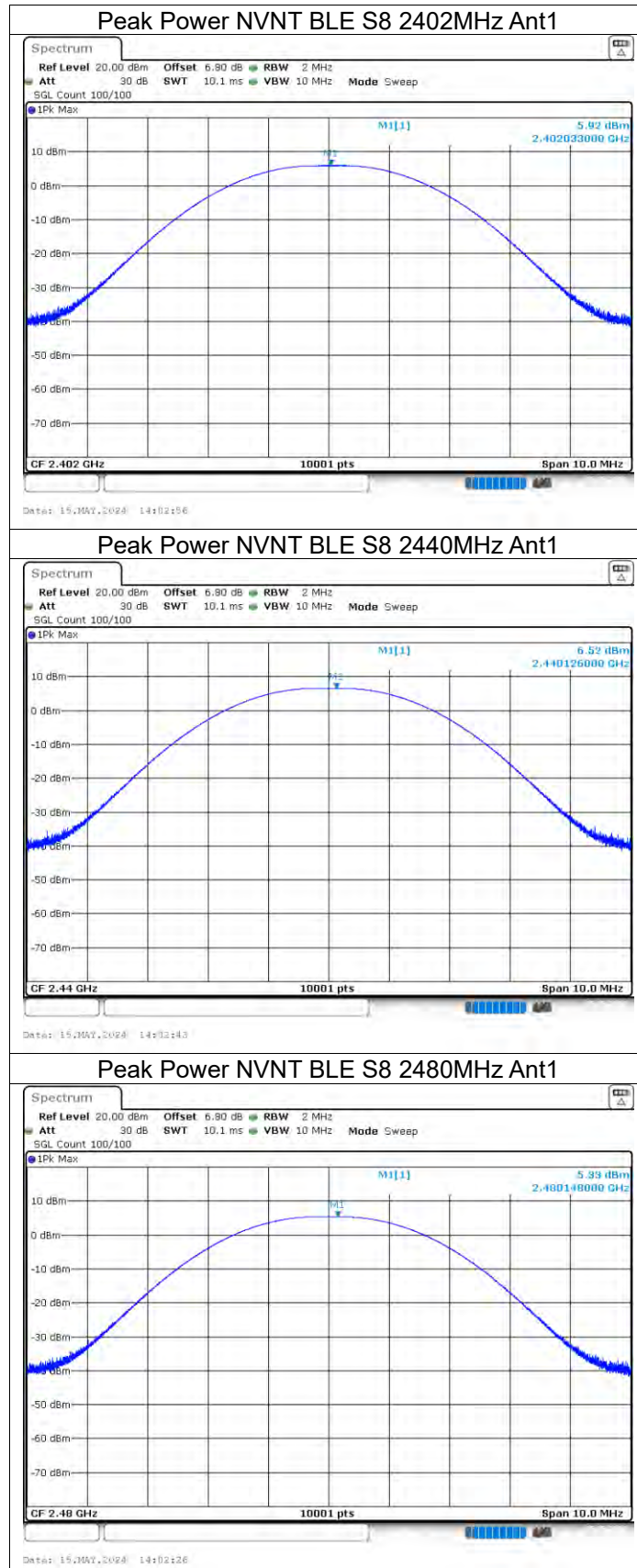


Reference No.: W7L-240507W001RF02







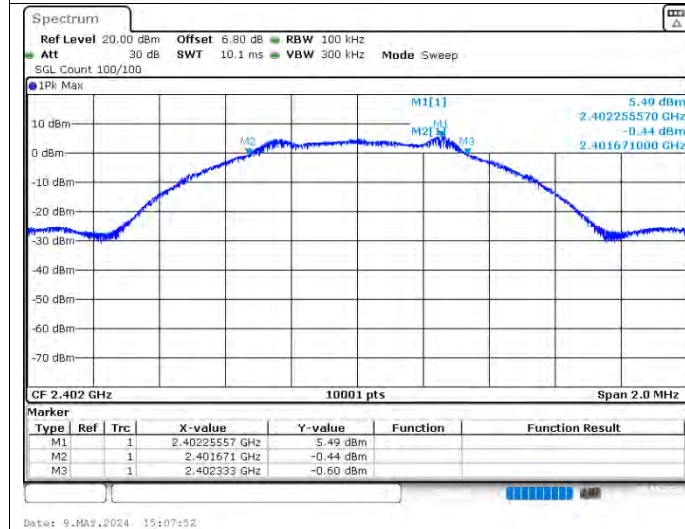


-6DB BANDWIDTH

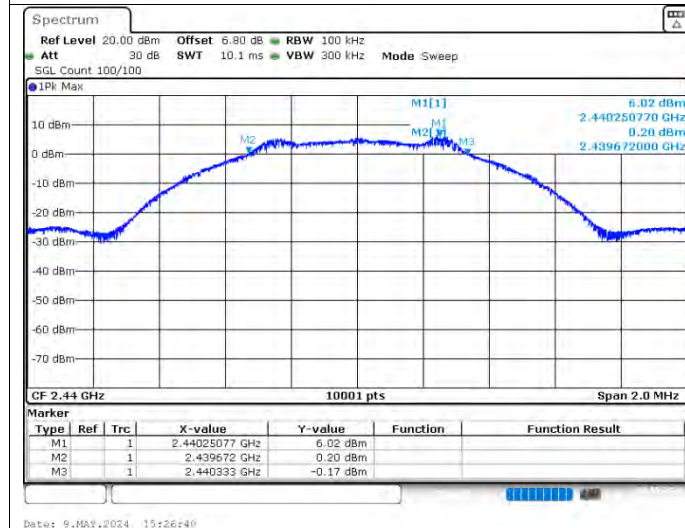
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	Ant1	0.662	0.5	Pass
BLE 1M	2440	Ant1	0.661	0.5	Pass
BLE 1M	2480	Ant1	0.661	0.5	Pass
BLE 2M	2404	Ant1	1.142	0.5	Pass
BLE 2M	2440	Ant1	1.157	0.5	Pass
BLE 2M	2478	Ant1	1.157	0.5	Pass
BLE S2	2402	Ant1	0.661	0.5	Pass
BLE S2	2440	Ant1	0.658	0.5	Pass
BLE S2	2480	Ant1	0.658	0.5	Pass
BLE S8	2402	Ant1	0.699	0.5	Pass
BLE S8	2440	Ant1	0.691	0.5	Pass
BLE S8	2480	Ant1	0.689	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



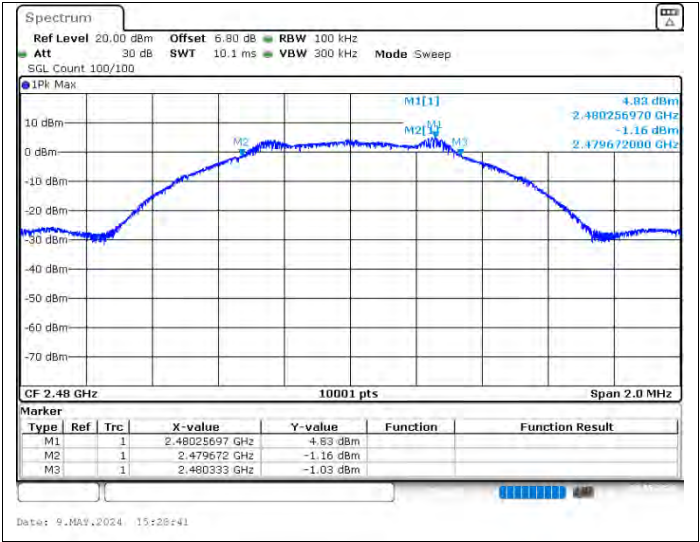
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

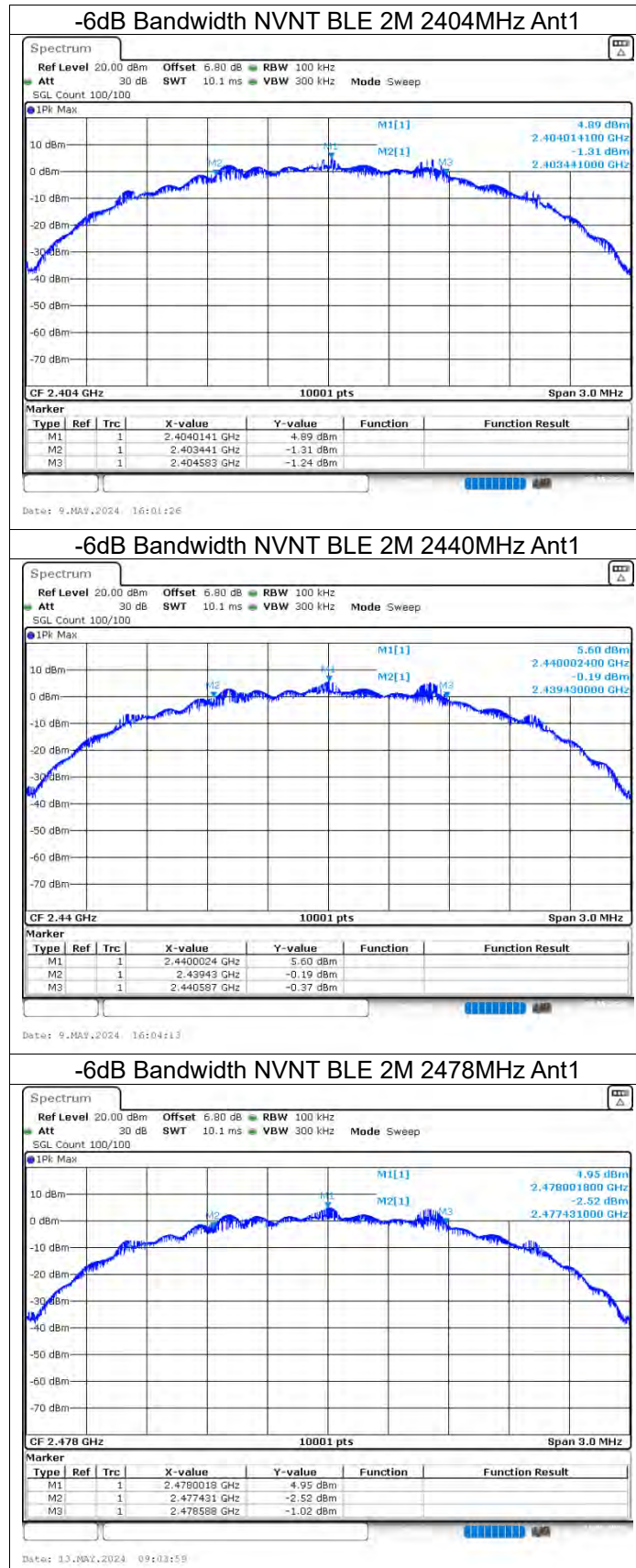


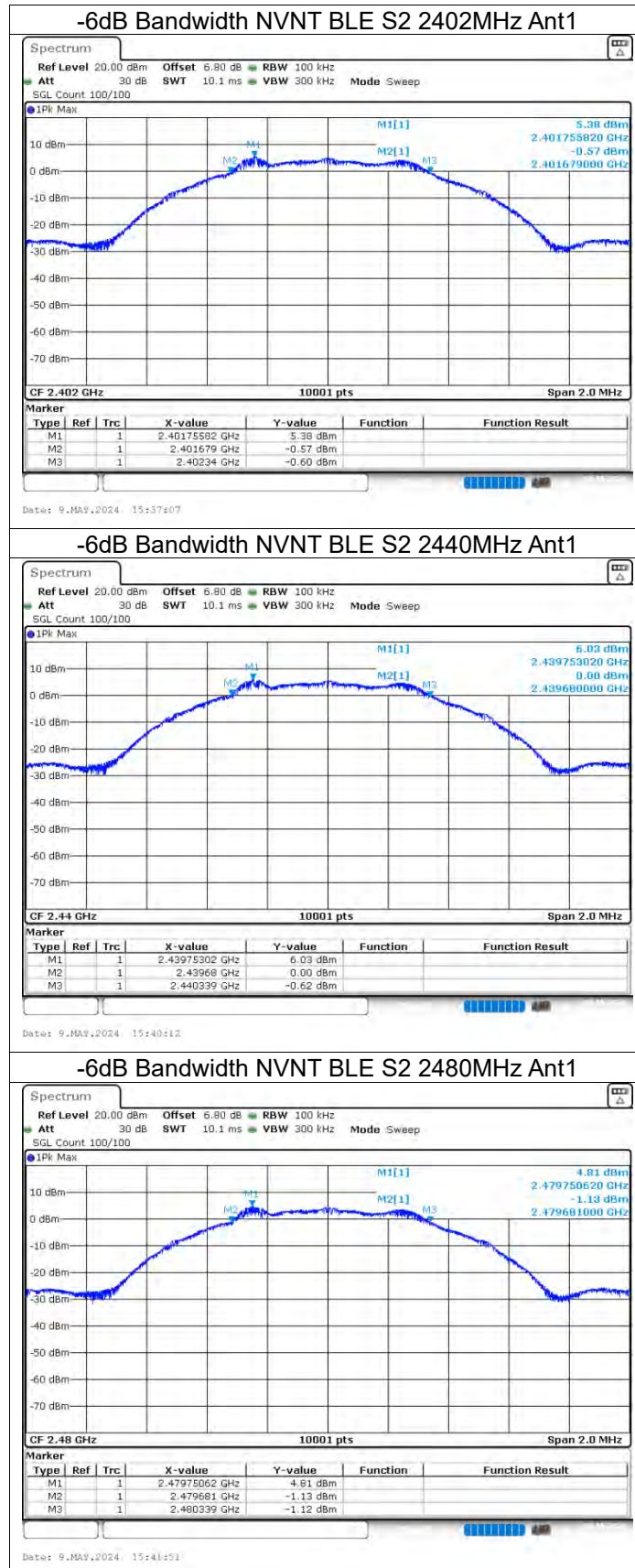
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1

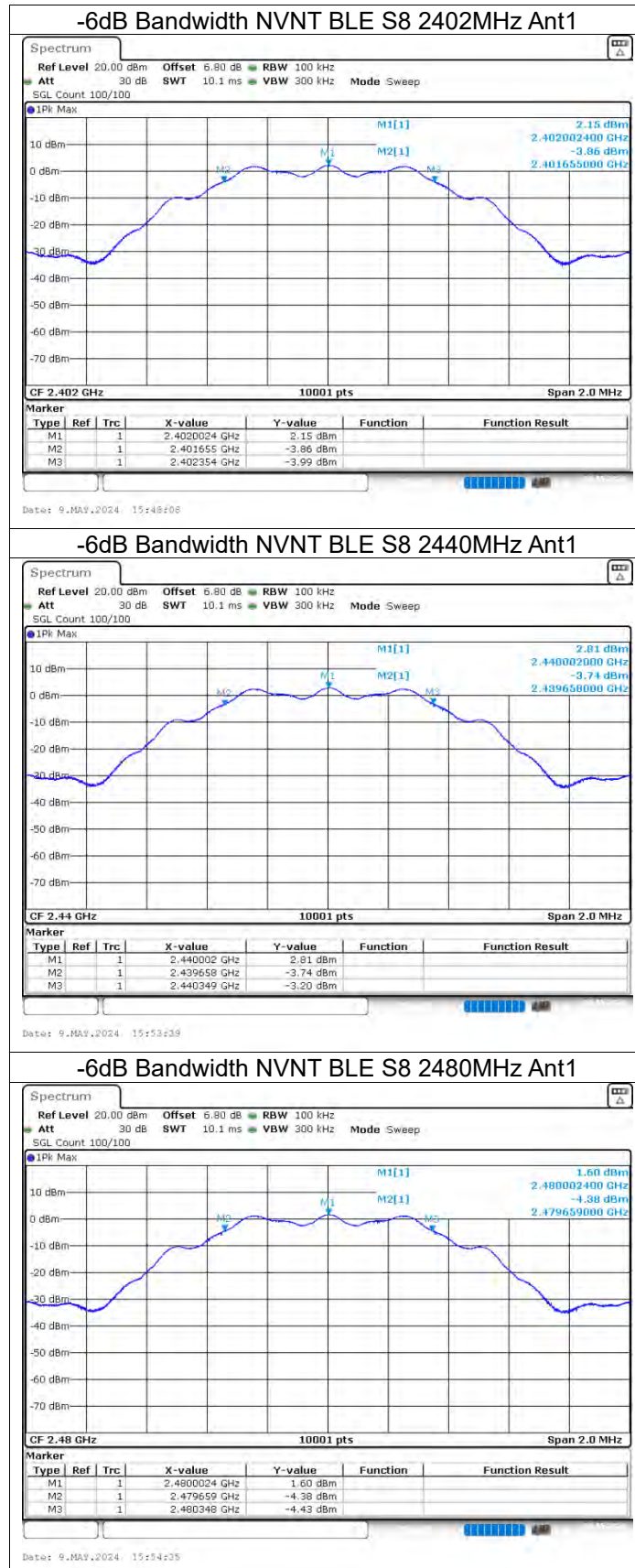


Reference No.: W7L-240507W001RF02







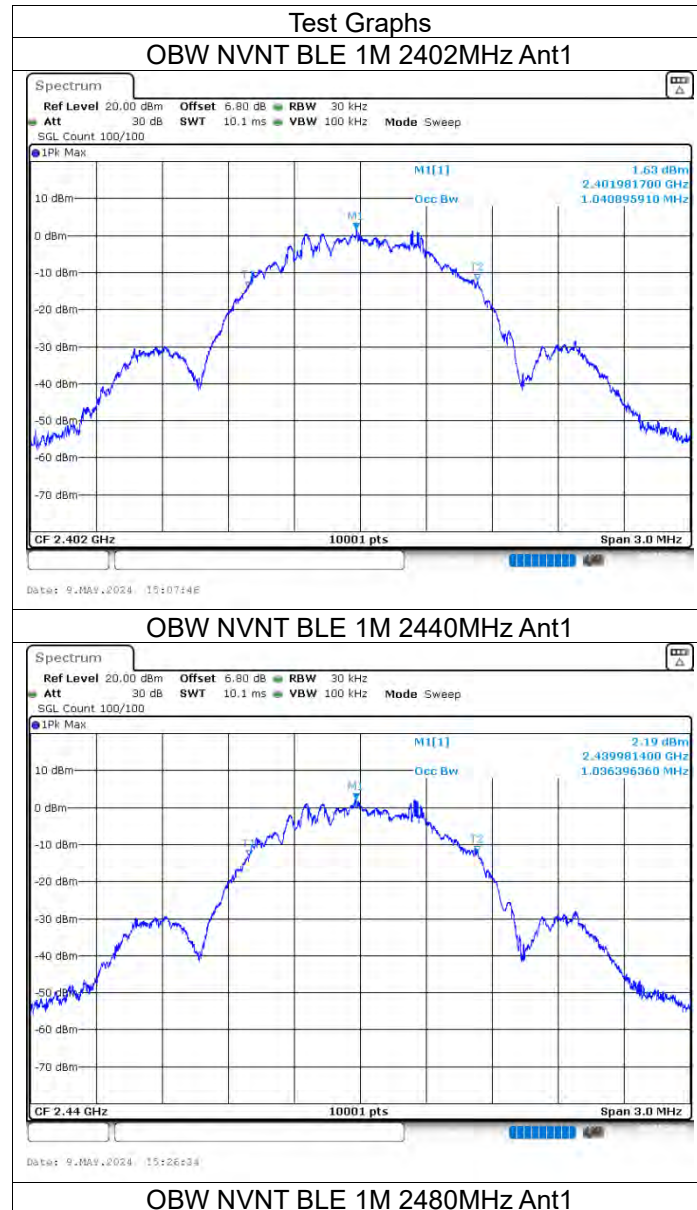




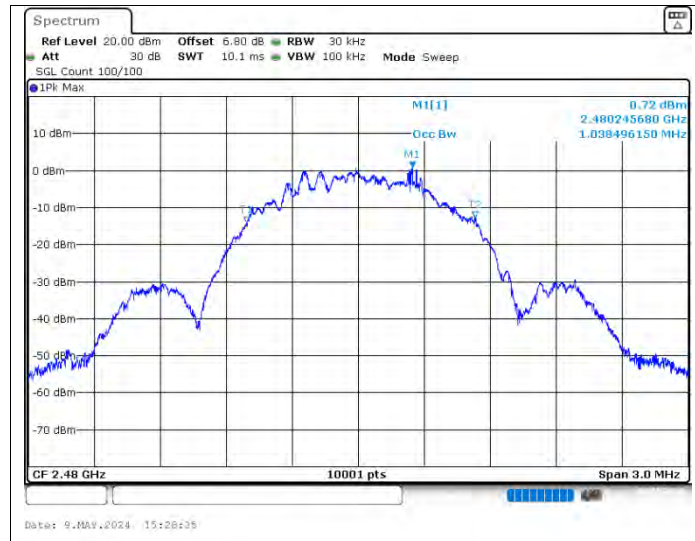
Reference No.: W7L-240507W001RF02

OCCUPIED CHANNEL BANDWIDTH

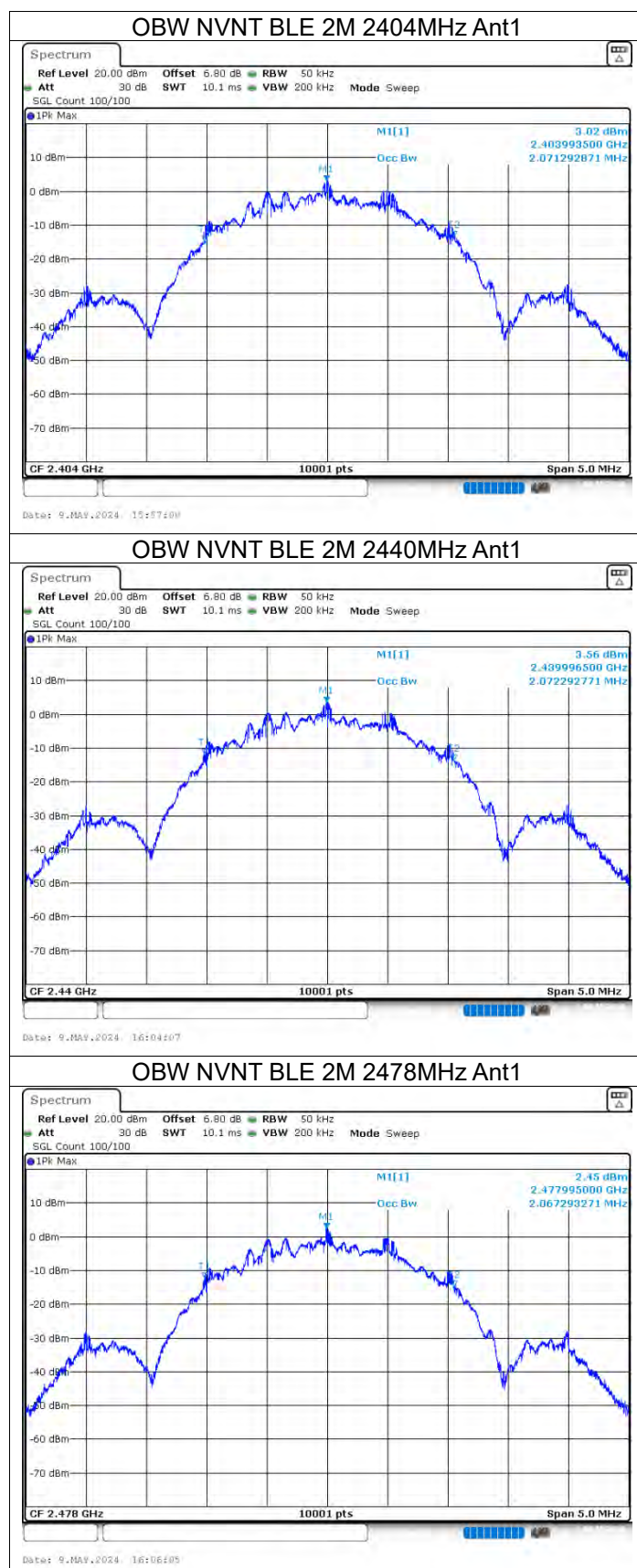
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
BLE 1M	2402	Ant1	1.041	Pass
BLE 1M	2440	Ant1	1.036	Pass
BLE 1M	2480	Ant1	1.038	Pass
BLE 2M	2404	Ant1	2.071	Pass
BLE 2M	2440	Ant1	2.072	Pass
BLE 2M	2478	Ant1	2.067	Pass
BLE S2	2402	Ant1	1.03	Pass
BLE S2	2440	Ant1	1.027	Pass
BLE S2	2480	Ant1	1.018	Pass
BLE S8	2402	Ant1	1.054	Pass
BLE S8	2440	Ant1	1.057	Pass
BLE S8	2480	Ant1	1.05	Pass

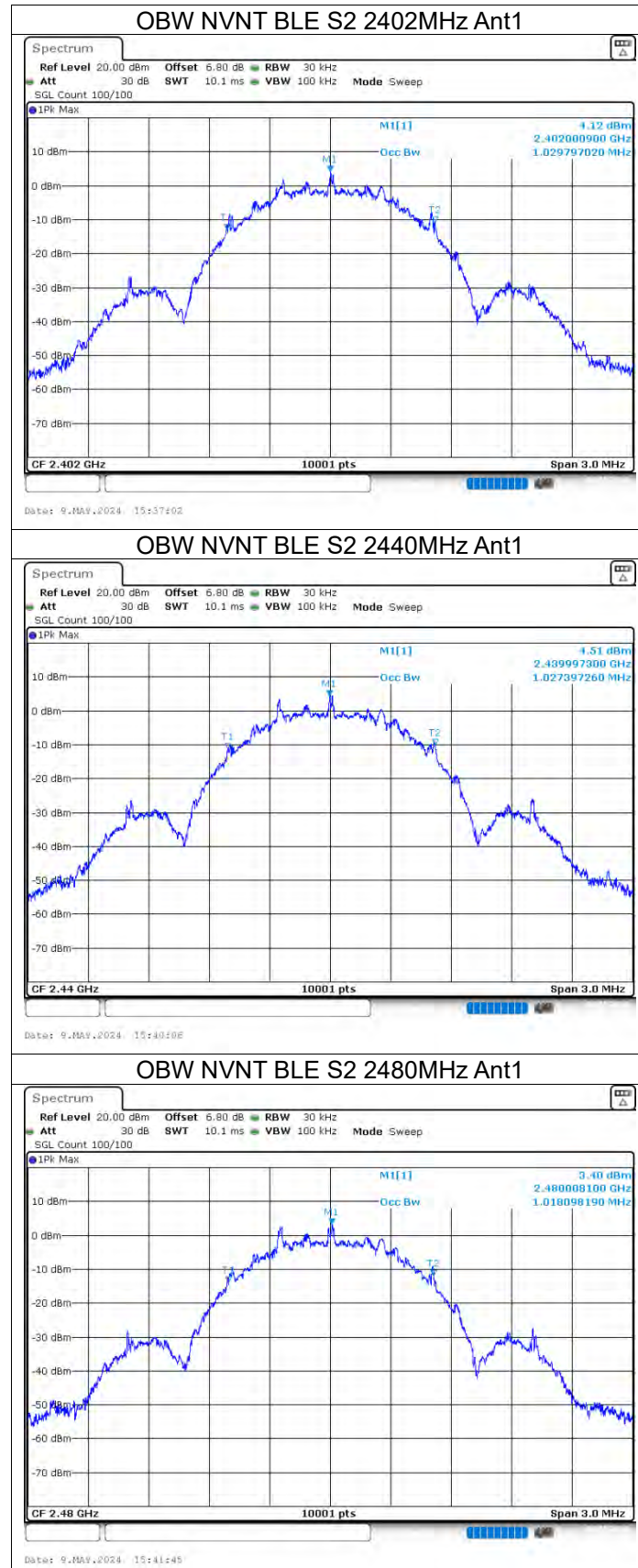


Reference No.: W7L-240507W001RF02

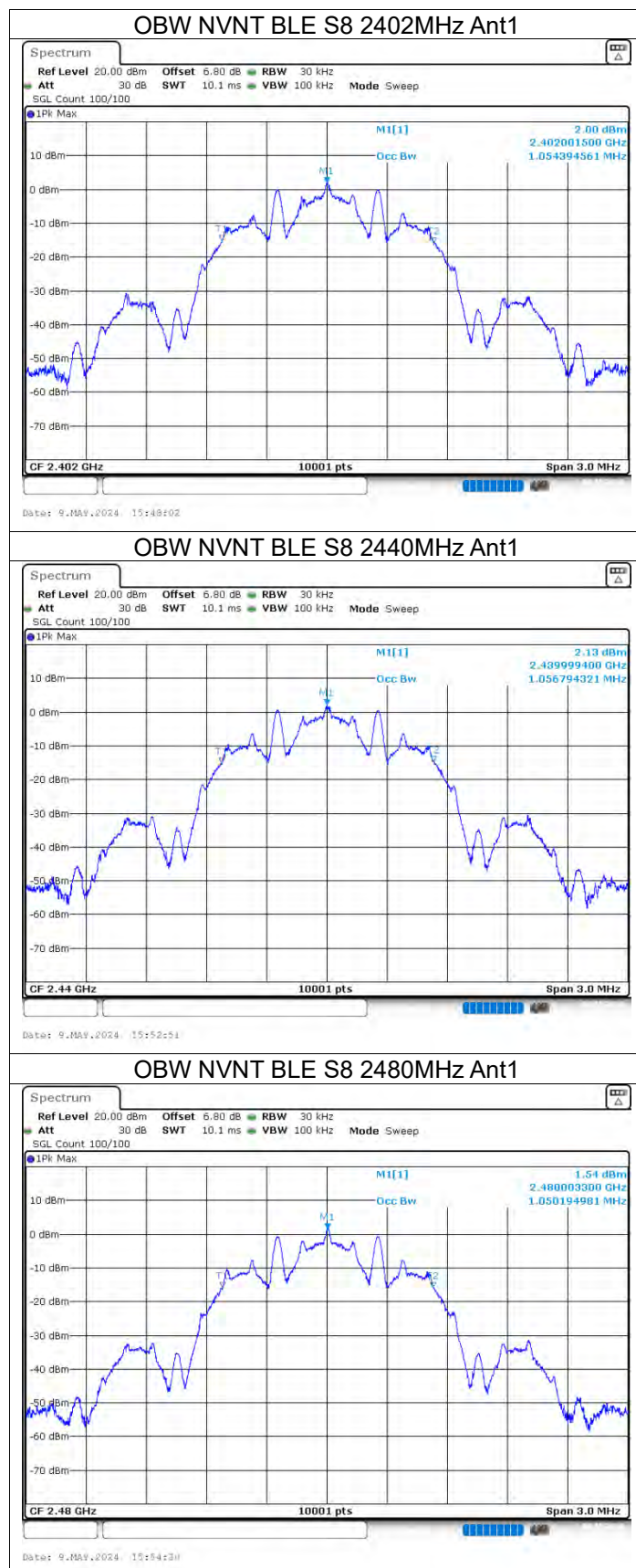


Reference No.: W7L-240507W001RF02



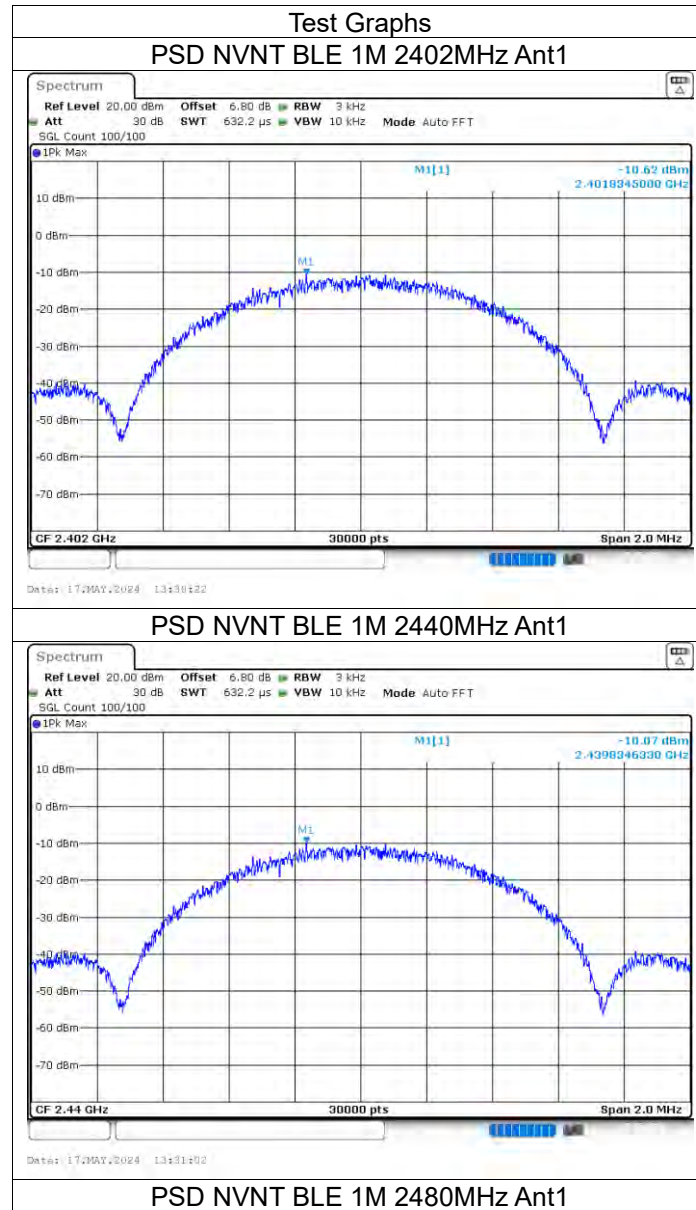


Reference No.: W7L-240507W001RF02

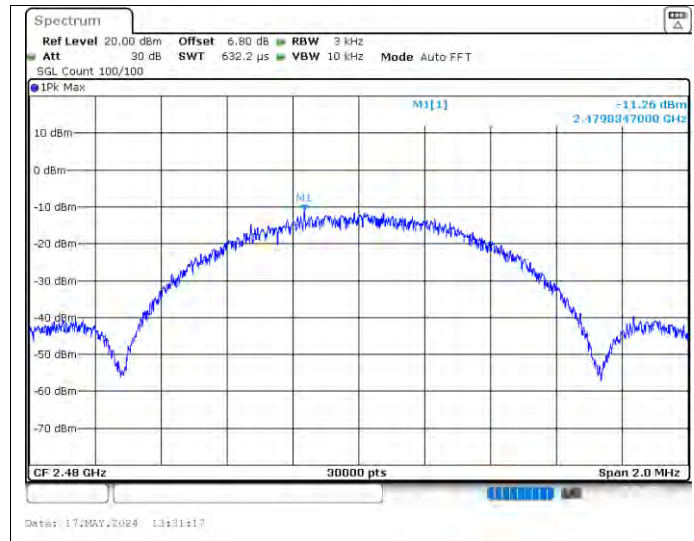


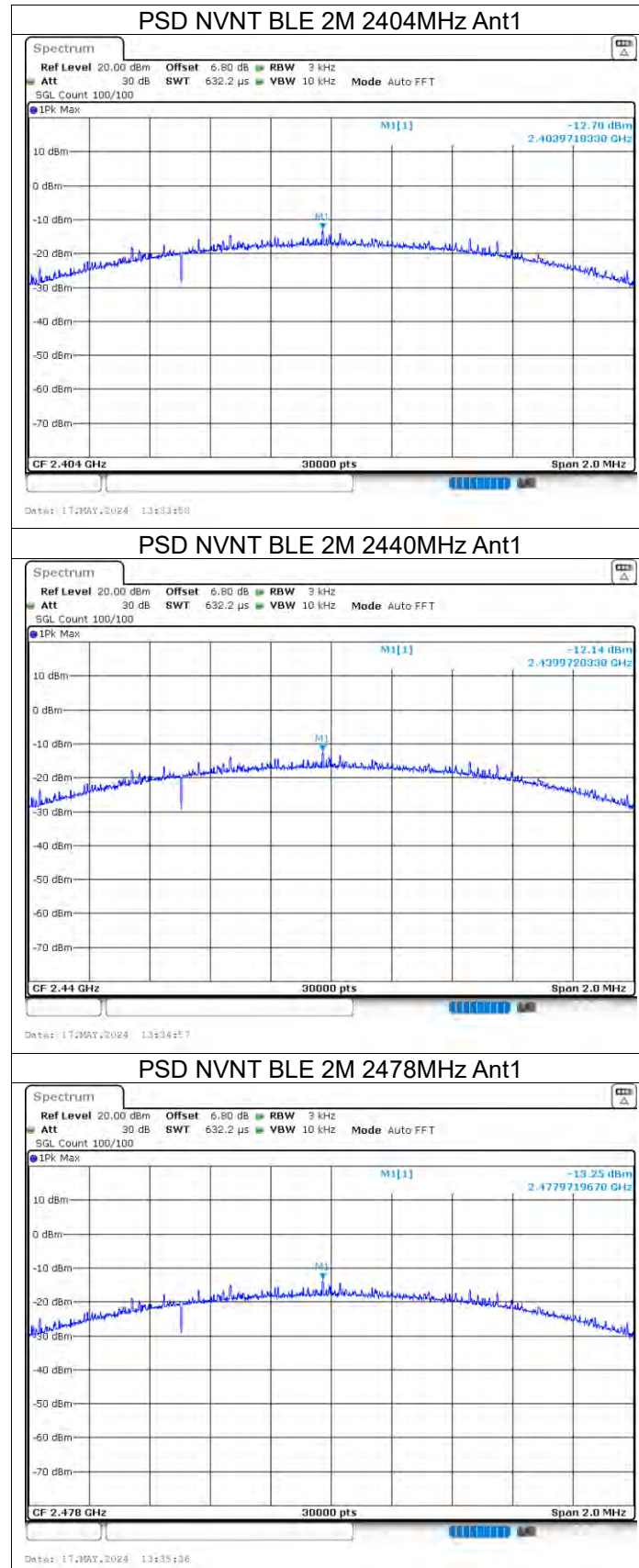
MAXIMUM POWER SPECTRAL DENSITY LEVEL

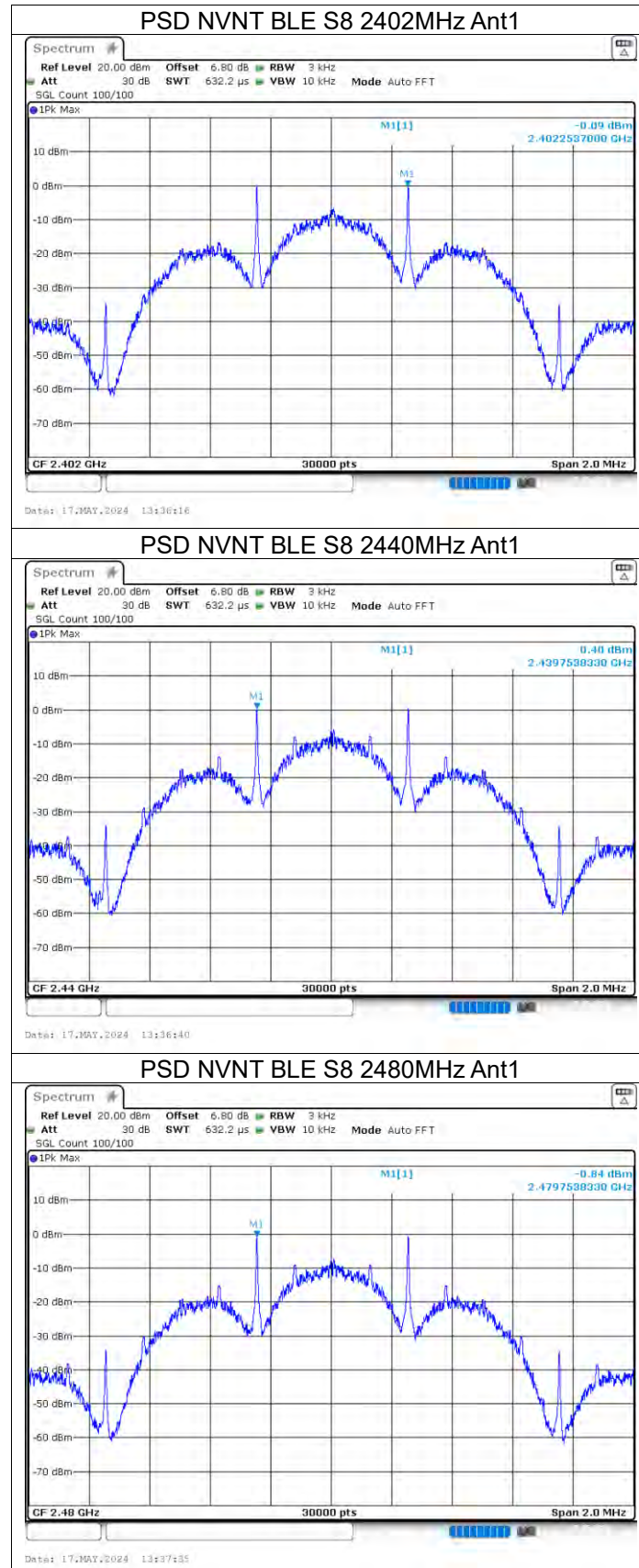
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE 1M	Ant1	2402	-10.62	≤8.00	PASS
BLE 1M	Ant1	2440	-10.07	≤8.00	PASS
BLE 1M	Ant1	2480	-11.26	≤8.00	PASS
BLE 2M	Ant1	2404	-12.70	≤8.00	PASS
BLE 2M	Ant1	2440	-12.14	≤8.00	PASS
BLE 2M	Ant1	2478	-13.25	≤8.00	PASS
BLE S8	Ant1	2402	-0.09	≤8.00	PASS
BLE S8	Ant1	2440	0.40	≤8.00	PASS
BLE S8	Ant1	2480	-0.84	≤8.00	PASS
BLE S2	Ant1	2402	-0.22	≤8.00	PASS
BLE S2	Ant1	2440	0.24	≤8.00	PASS
BLE S2	Ant1	2480	-1.07	≤8.00	PASS

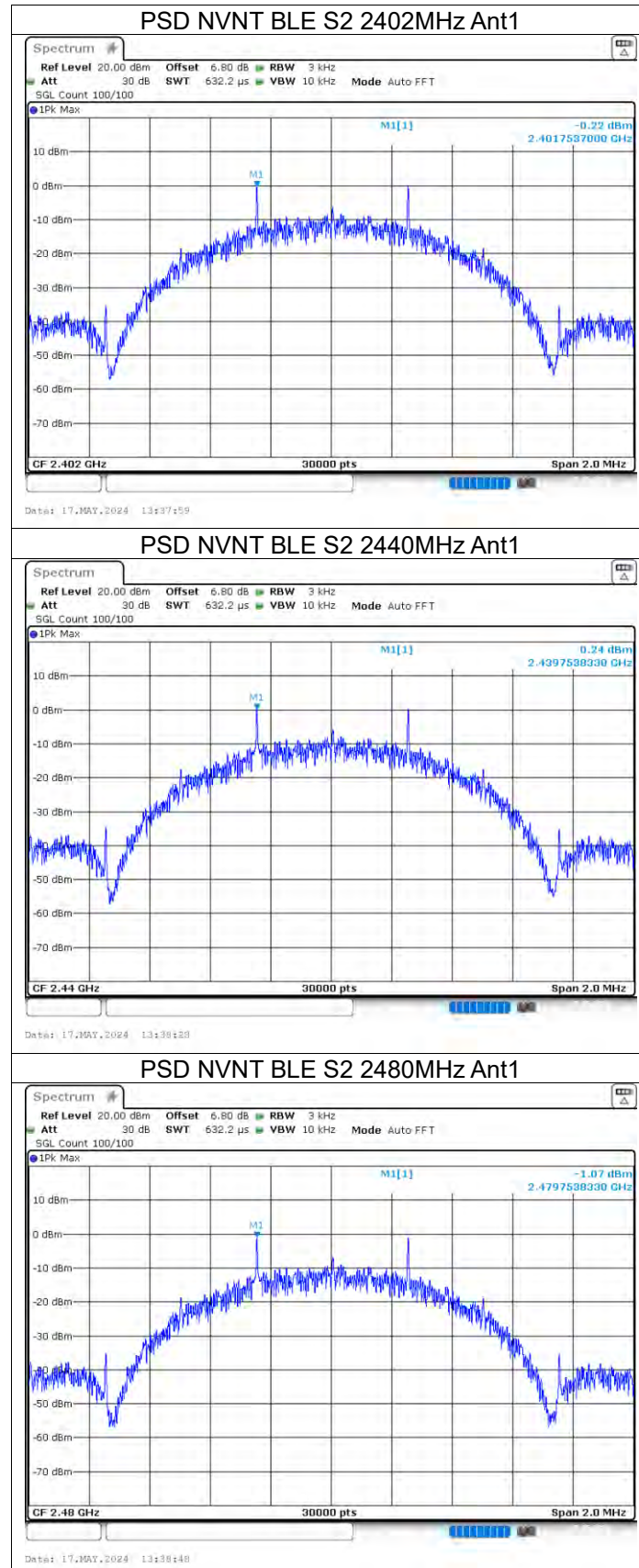


Reference No.: W7L-240507W001RF02

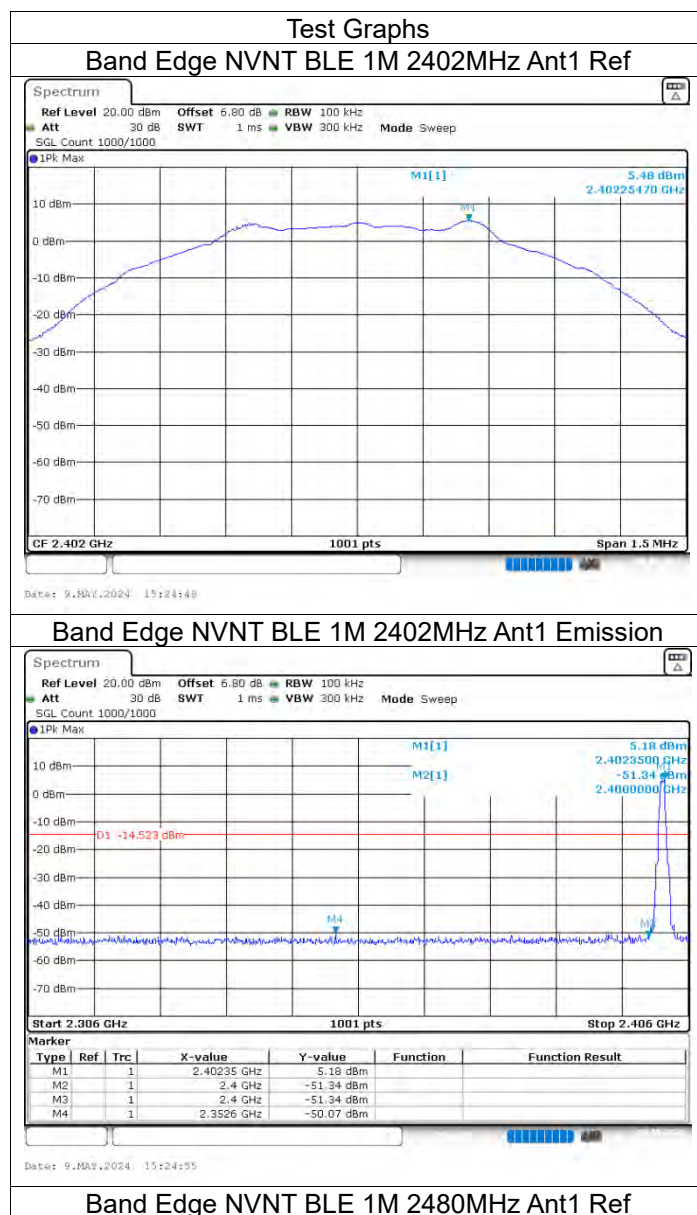






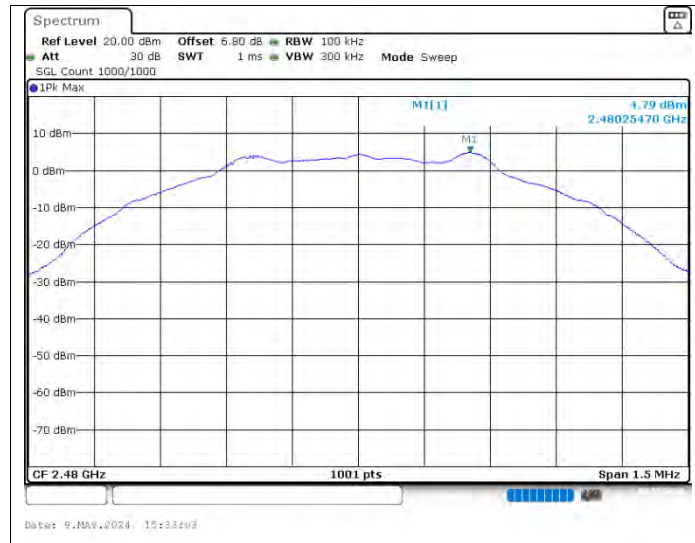


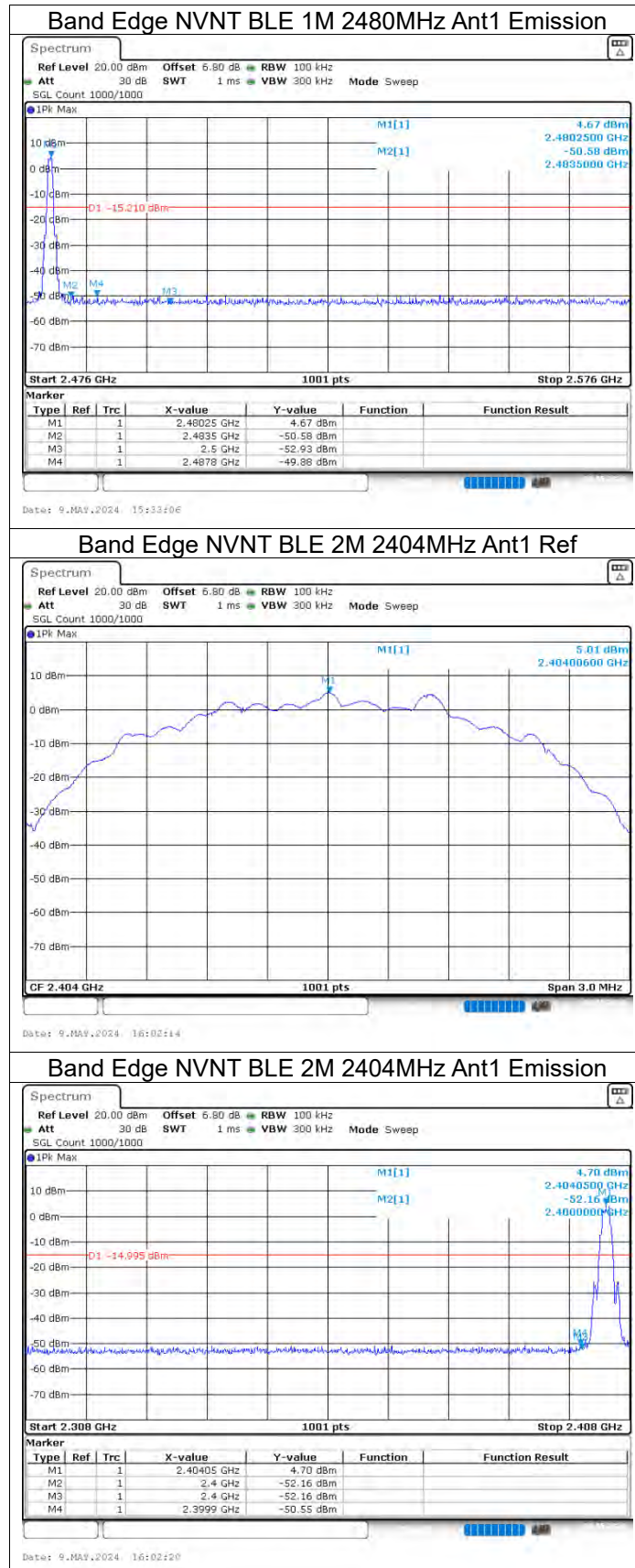
BAND EDGE

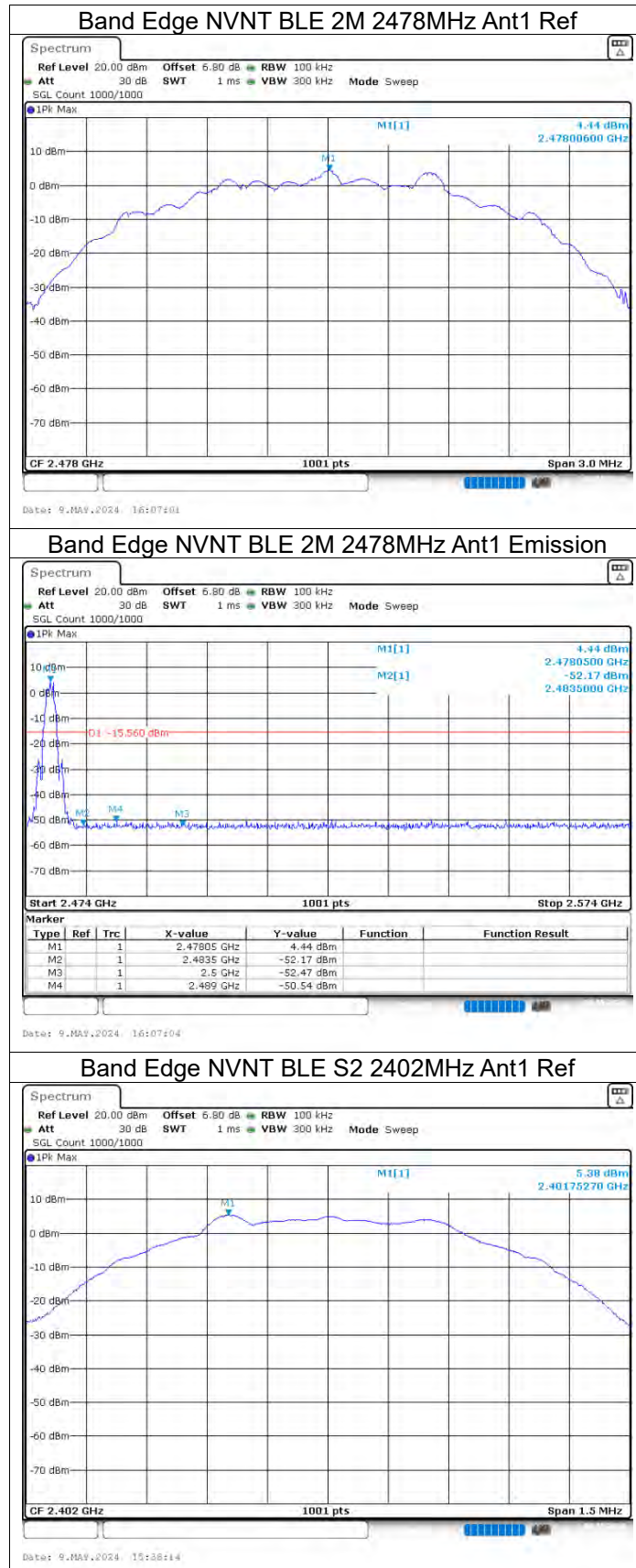


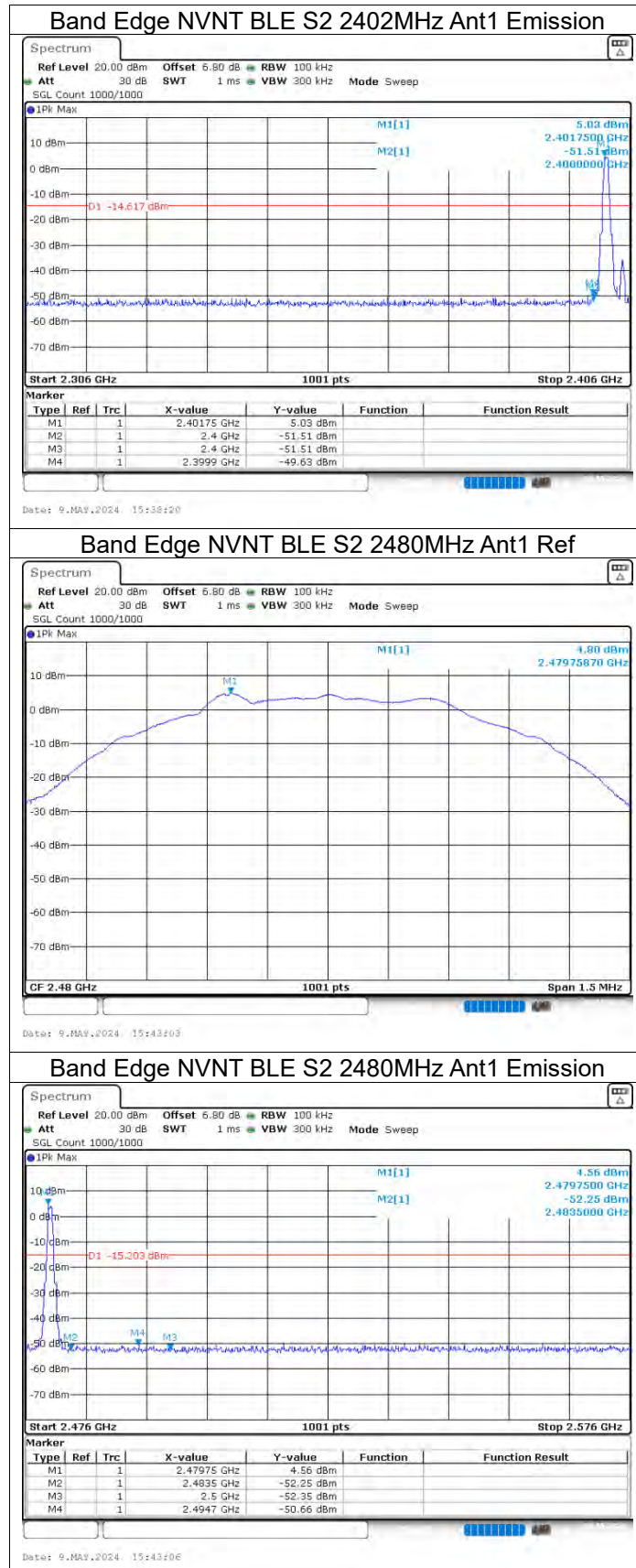


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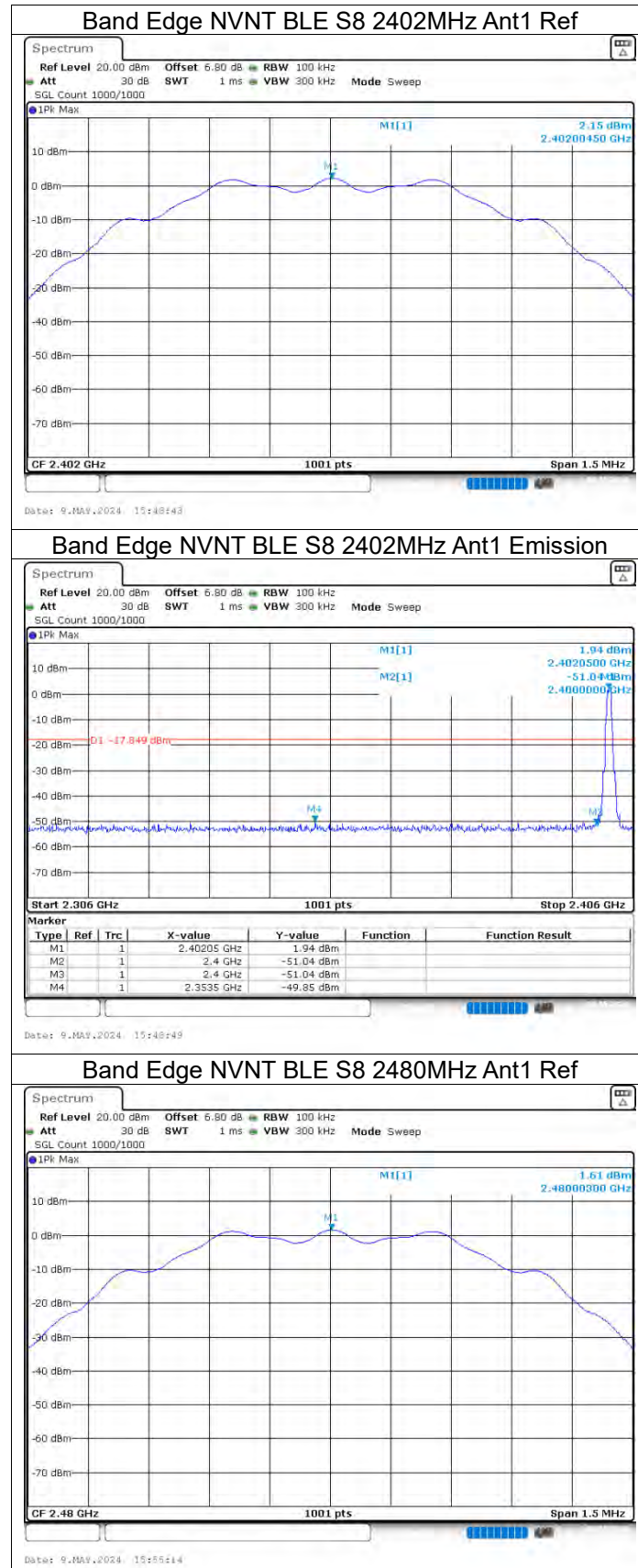






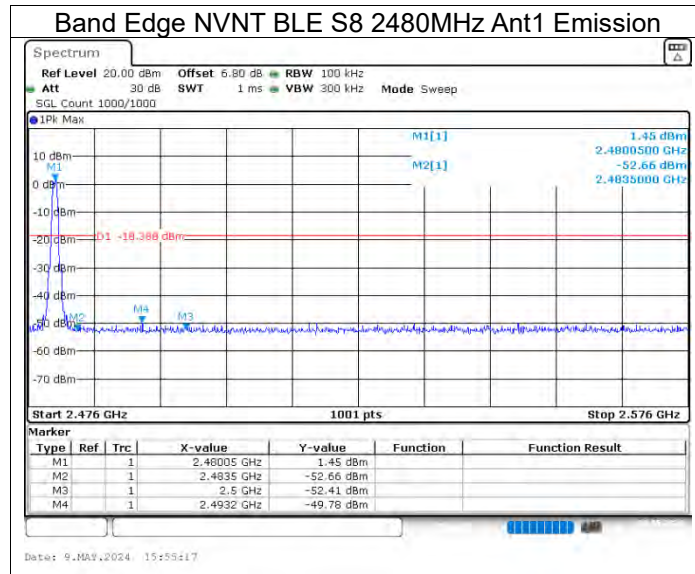


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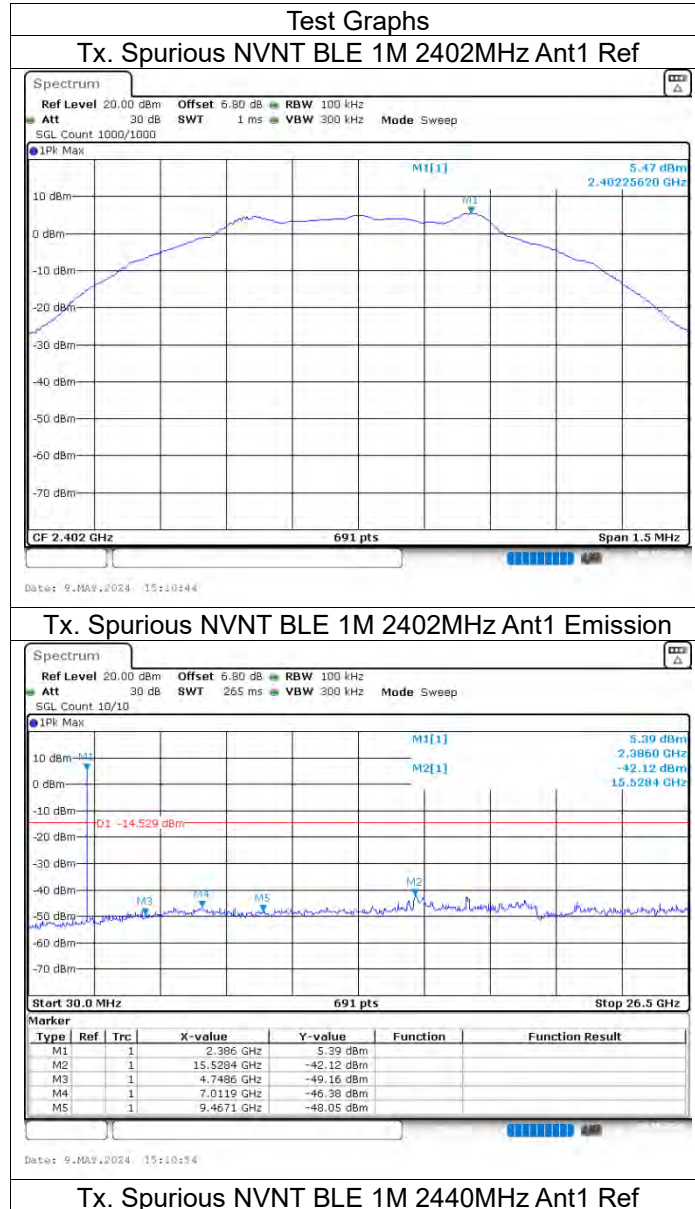




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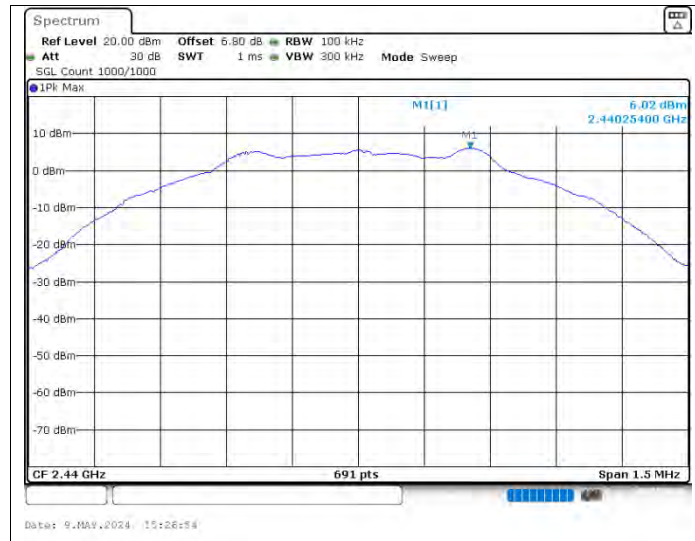


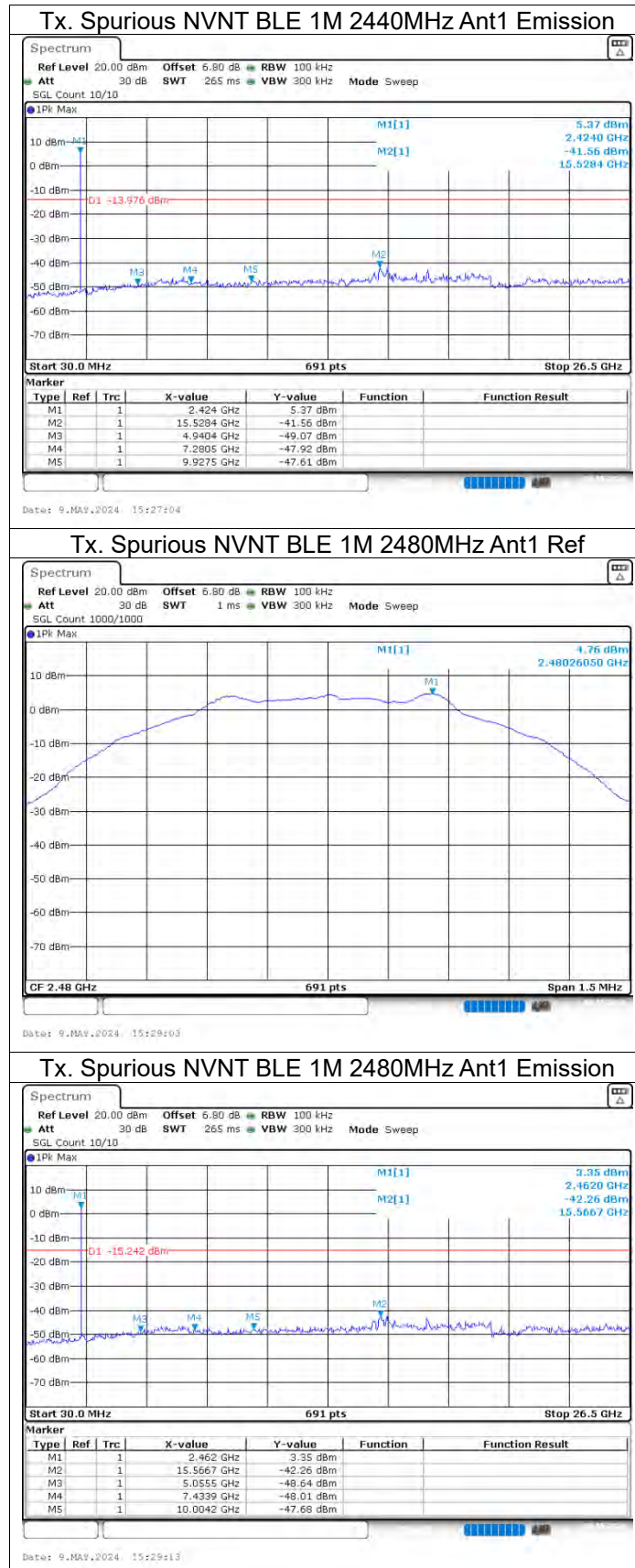
CONDUCTED RF SPURIOUS EMISSION

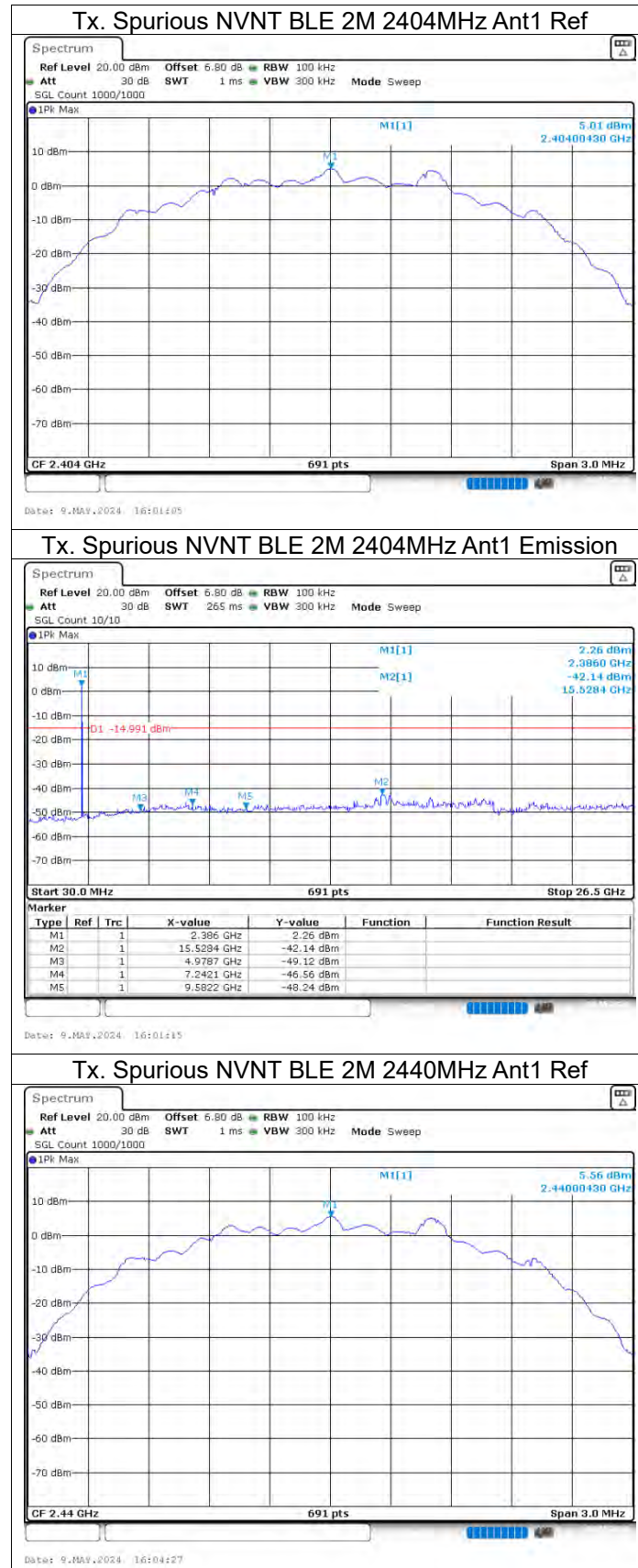


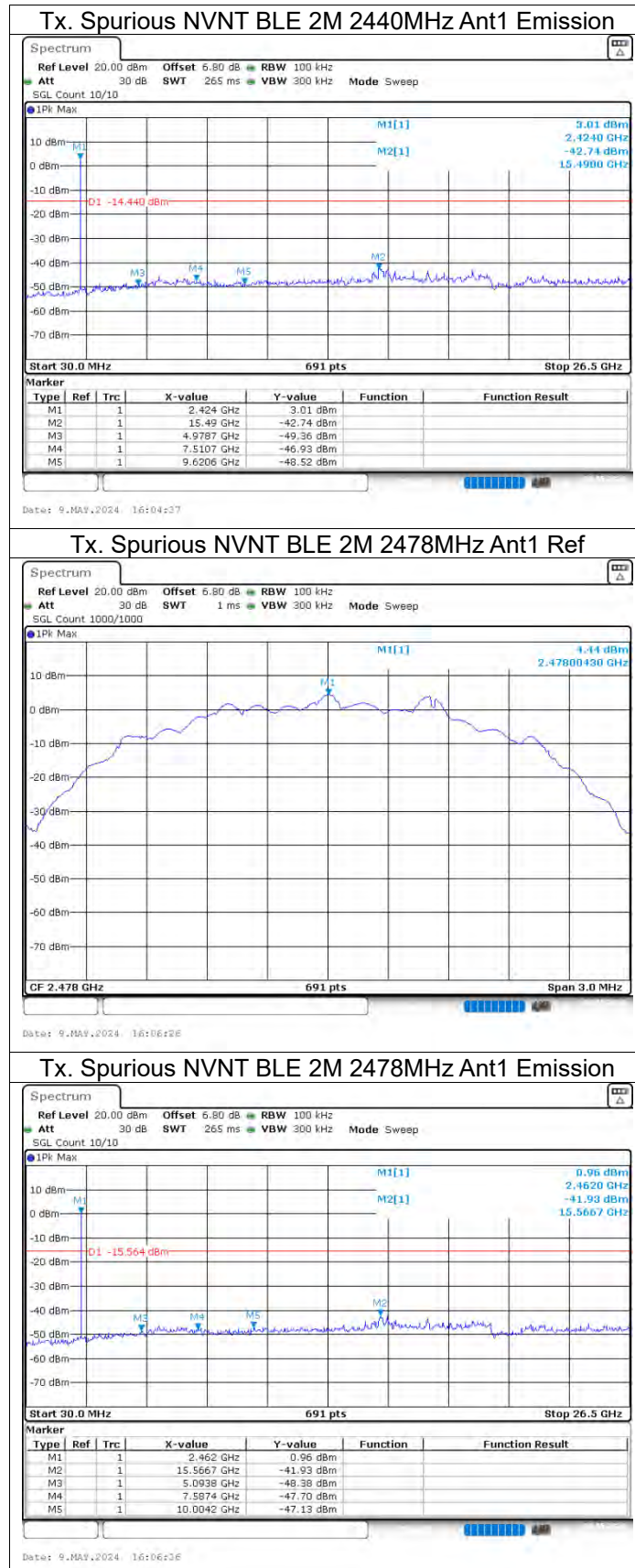


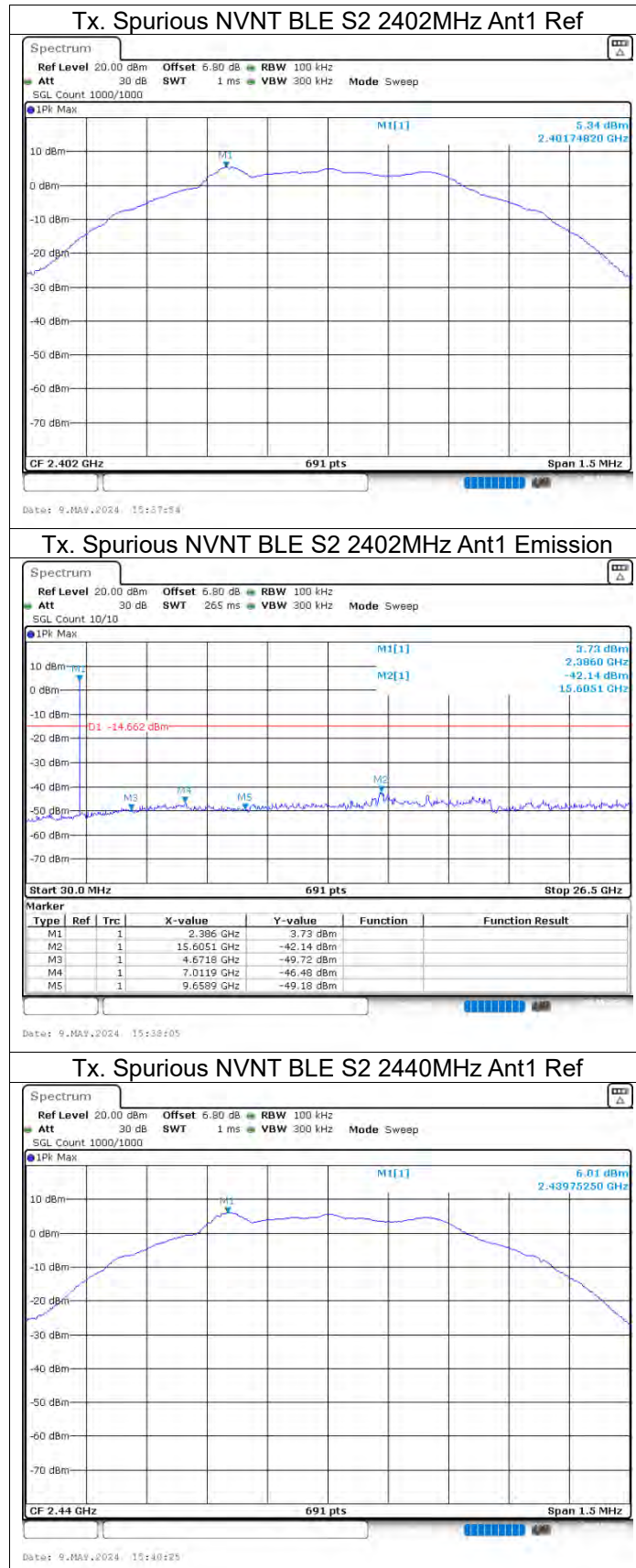
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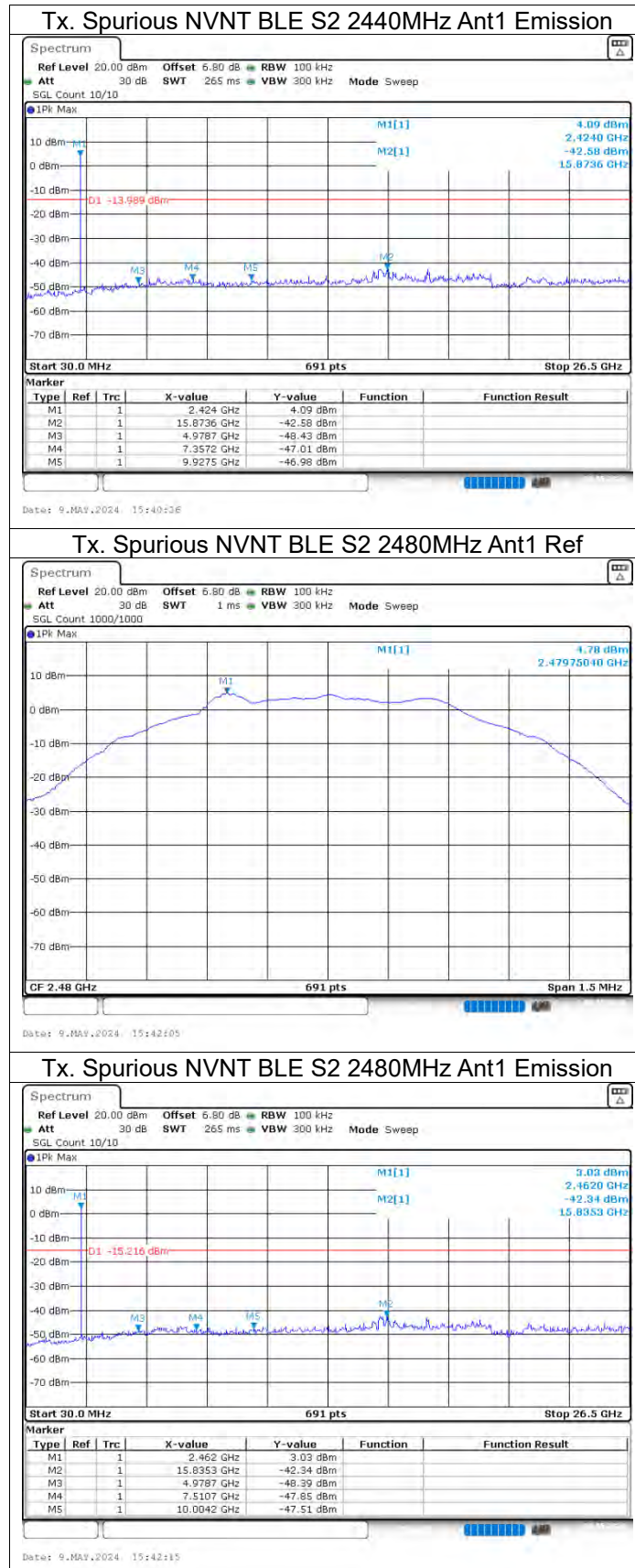


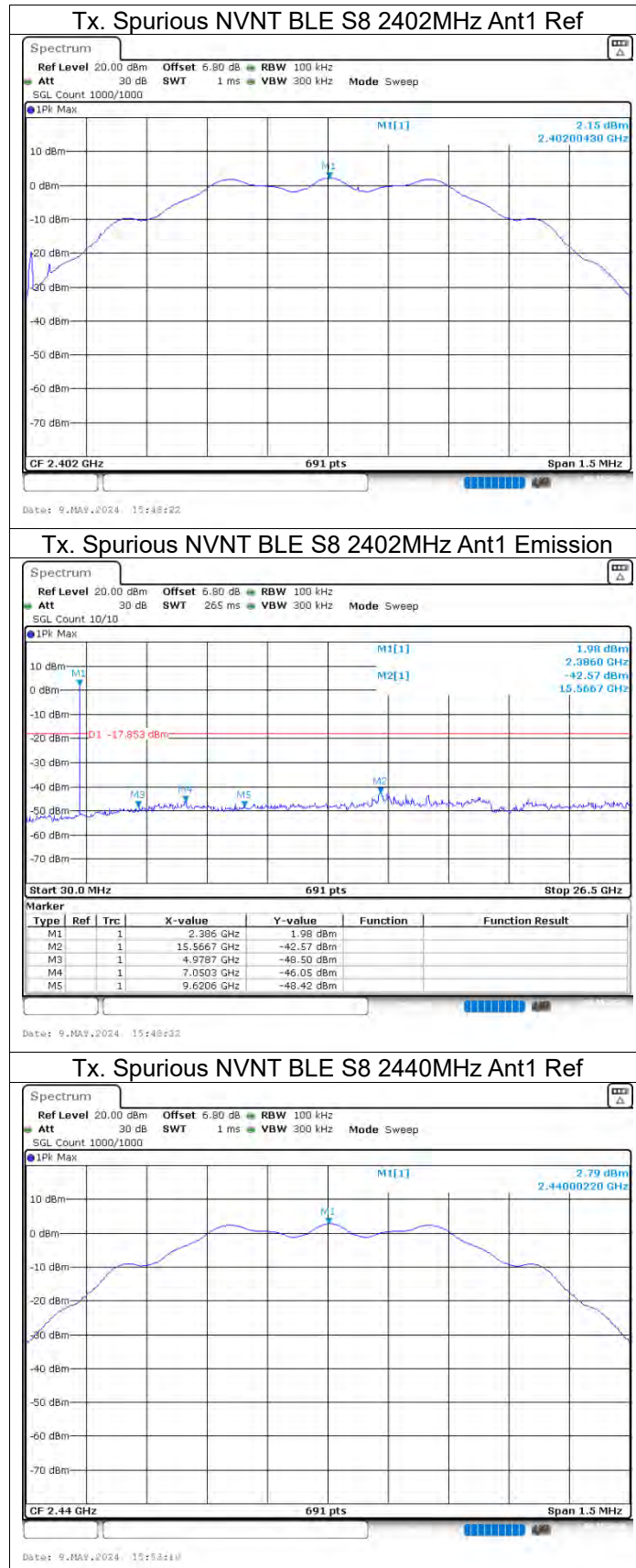


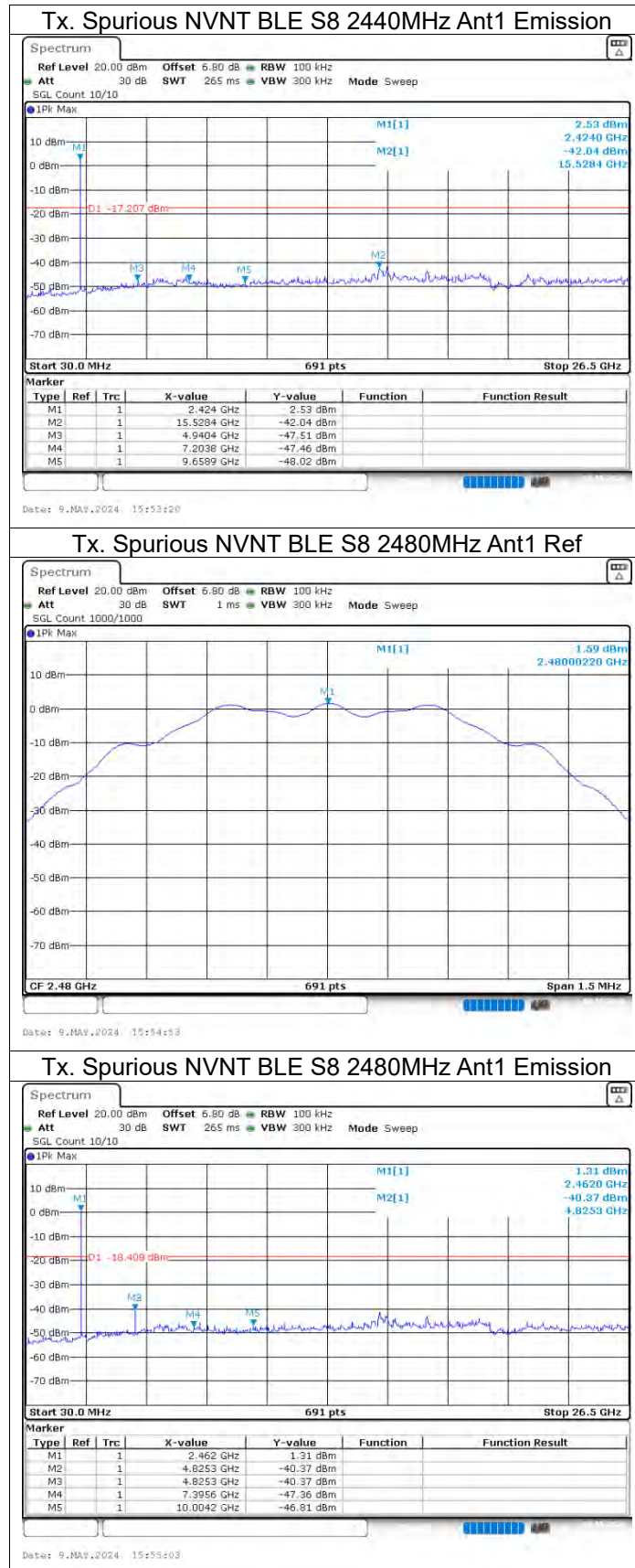












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