



Reference No.: W7L-240507W001RF02



## APPENDIX B

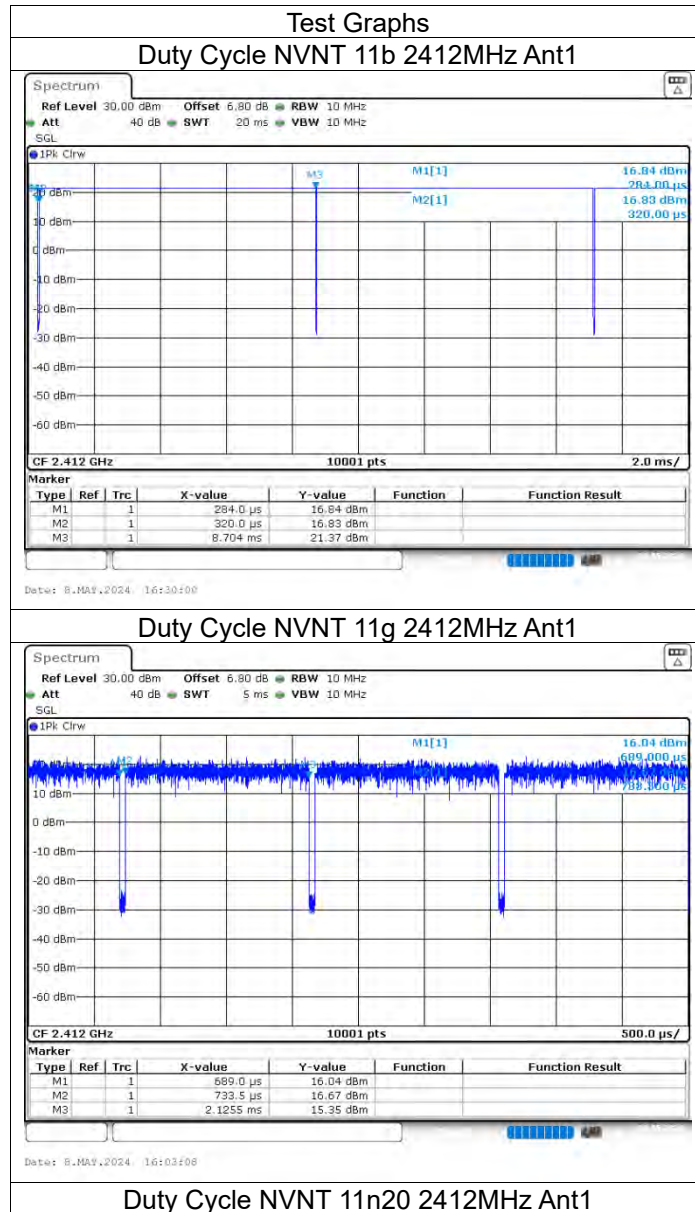
### WLAN

### 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

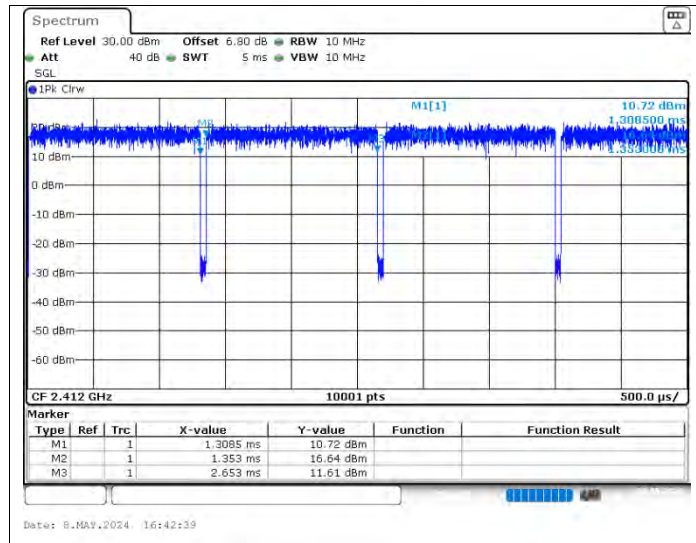


Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02





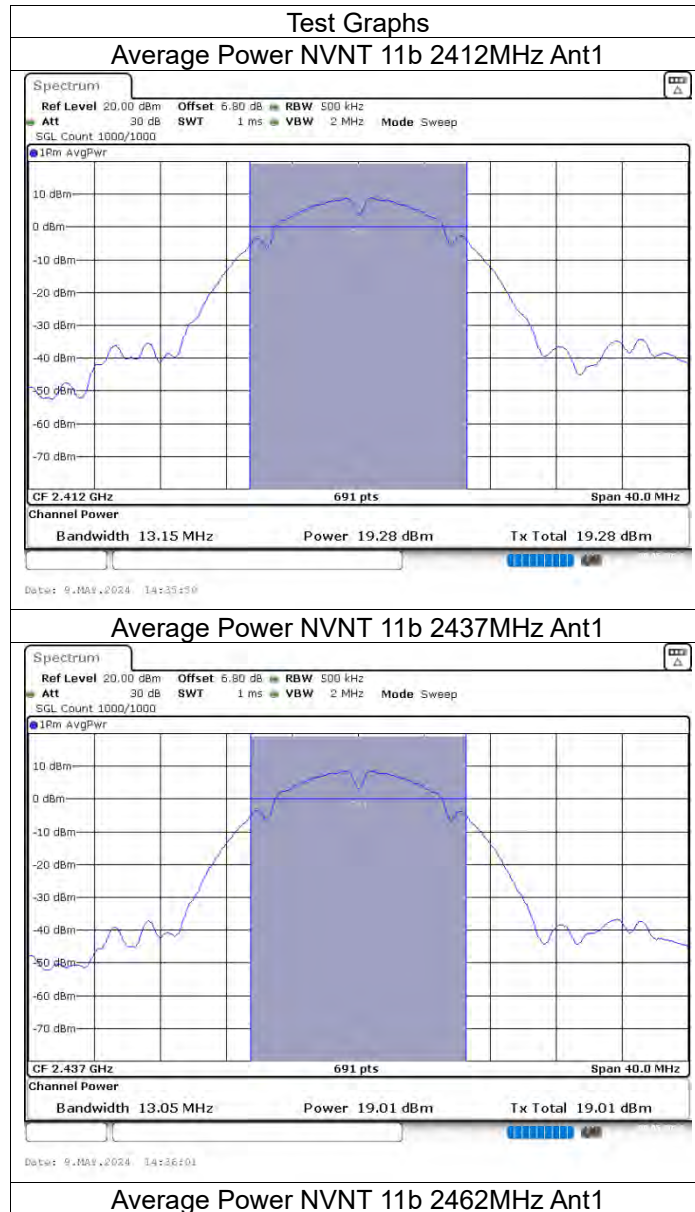
Reference No.: W7L-240507W001RF02

## 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

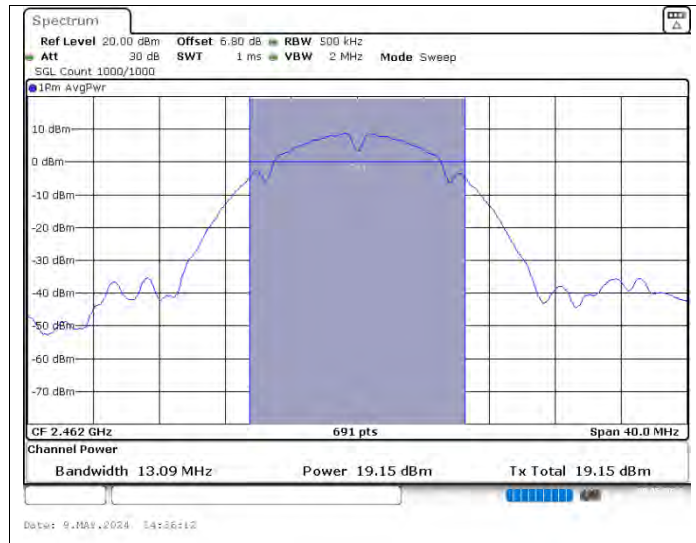


Reference No.: W7L-240507W001RF02



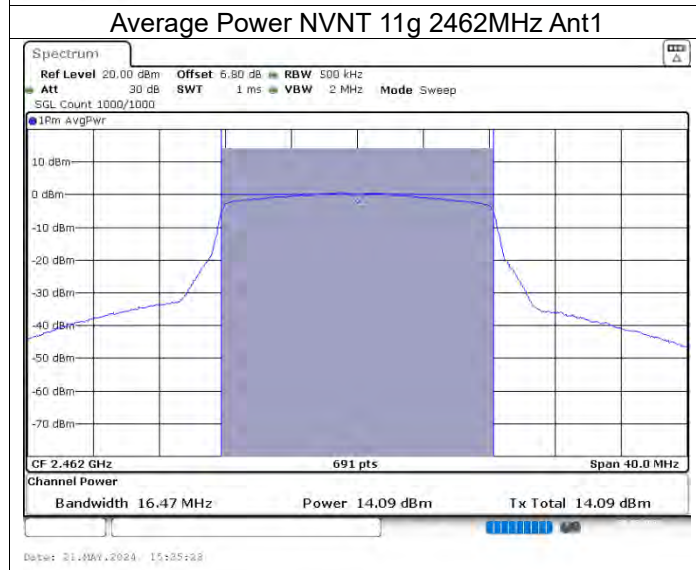
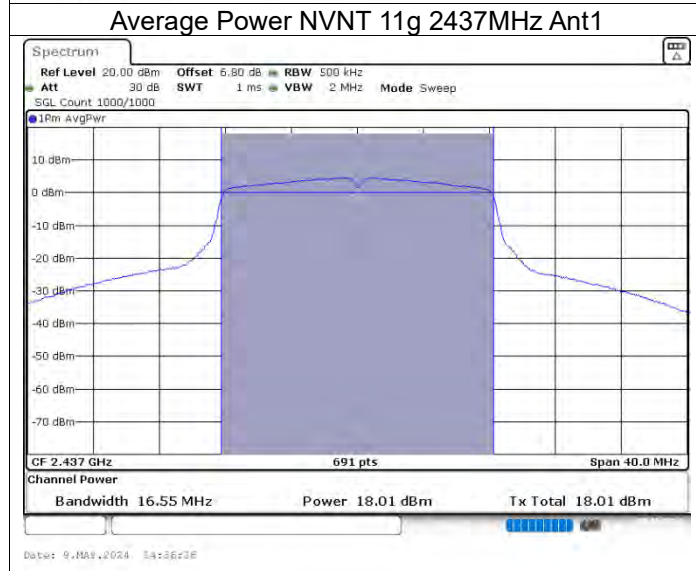
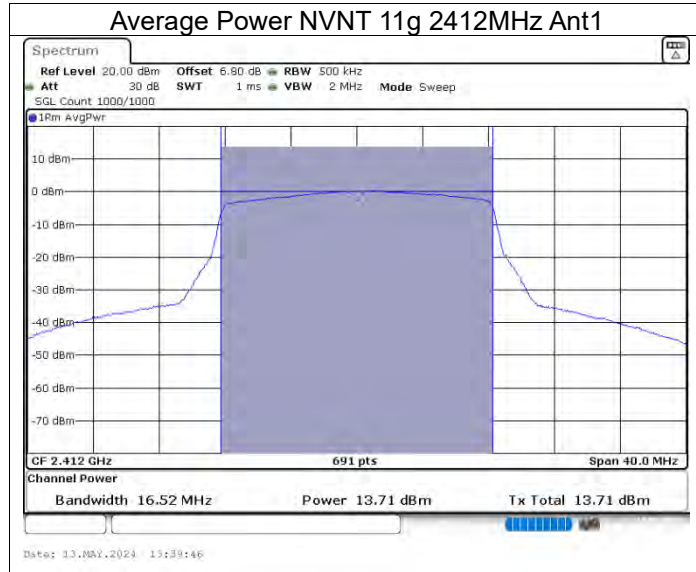


Reference No.: W7L-240507W001RF02





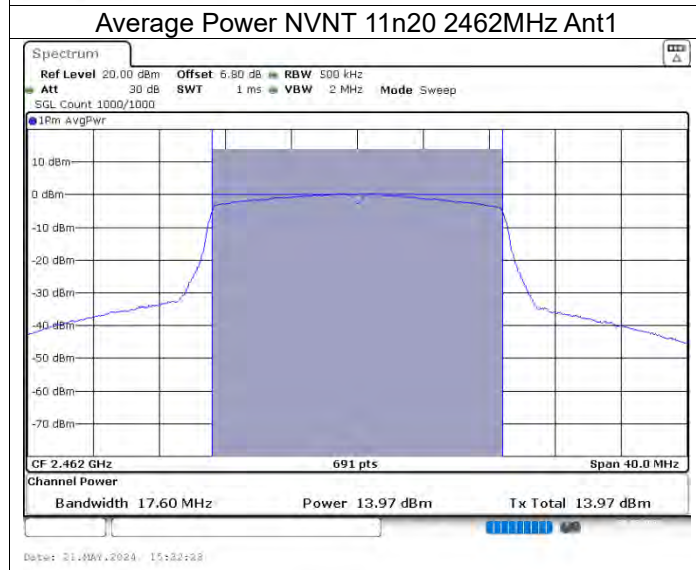
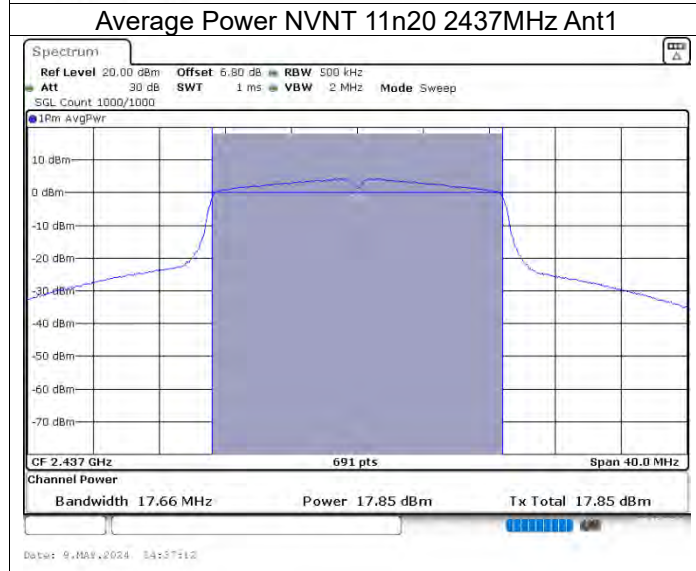
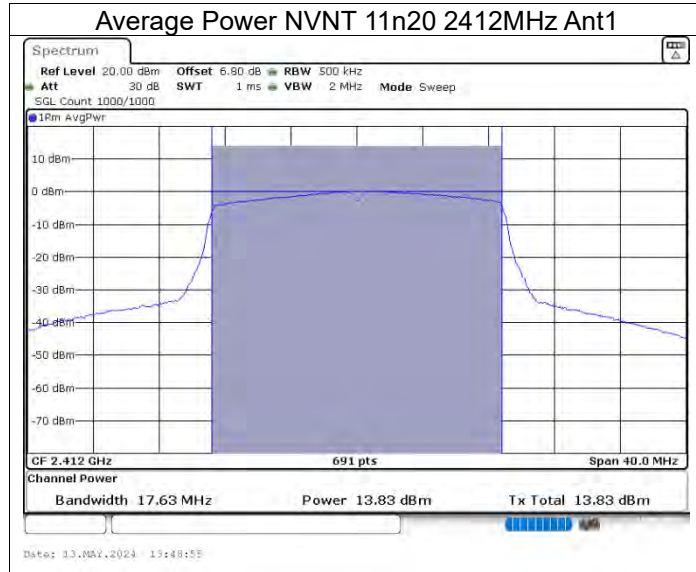
Reference No.: W7L-240507W001RF02







Reference No.: W7L-240507W001RF02







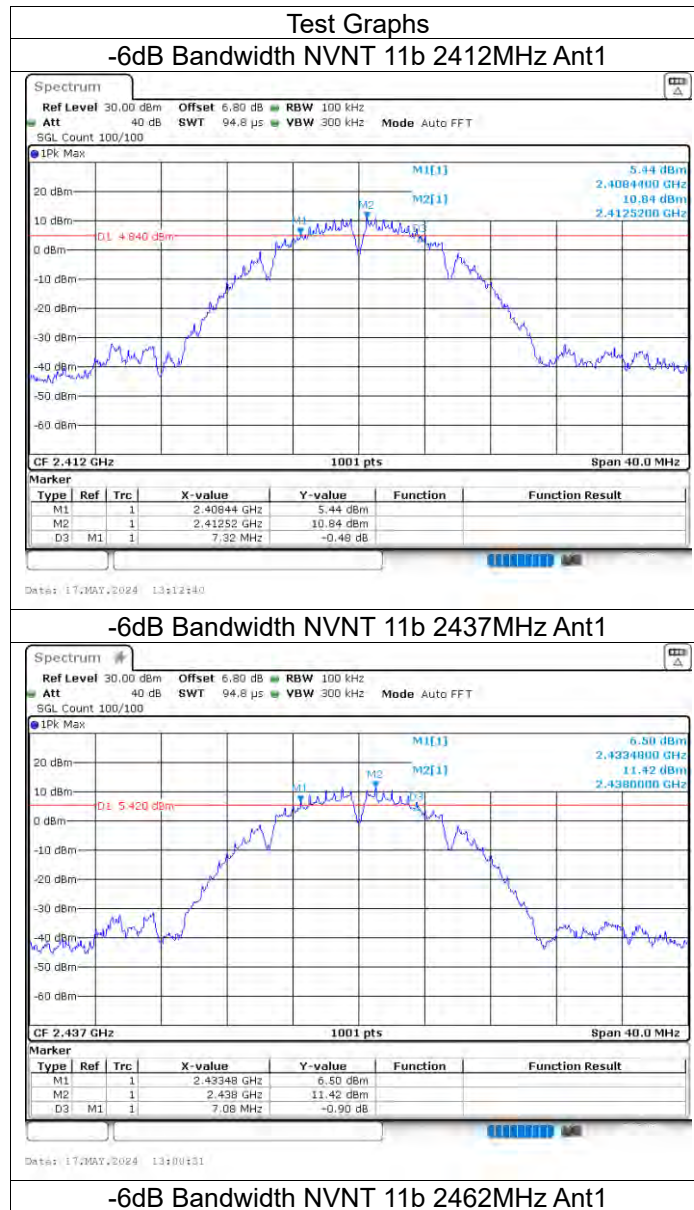
Reference No.: W7L-240507W001RF02

## -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

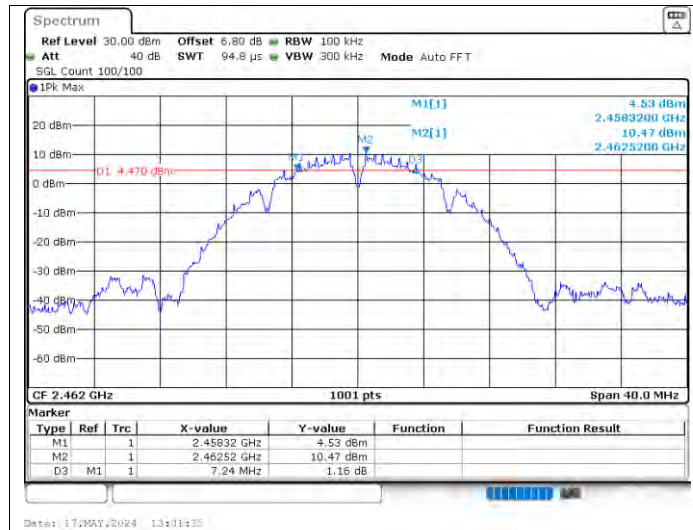


Reference No.: W7L-240507W001RF02

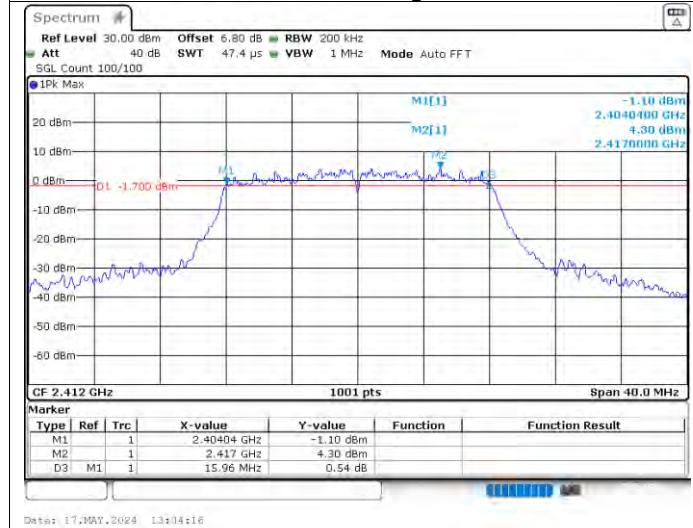




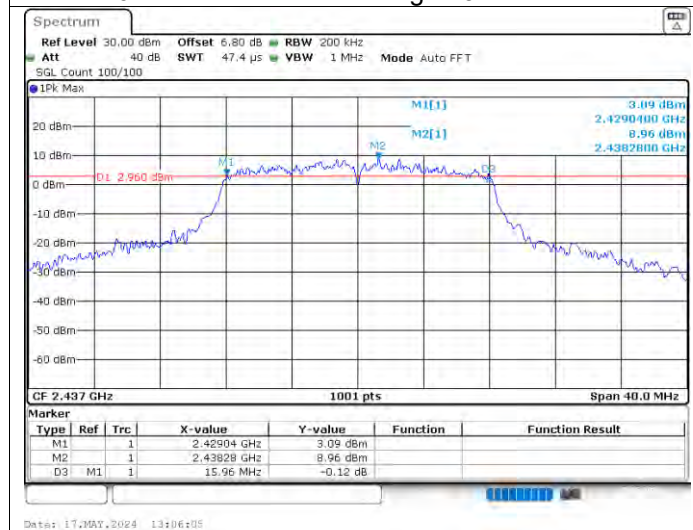
Reference No.: W7L-240507W001RF02



-6dB Bandwidth NVNT 11g 2412MHz Ant1



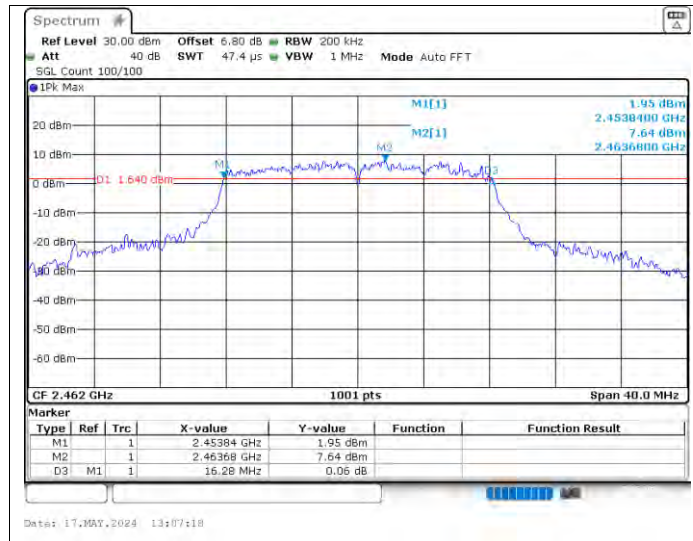
-6dB Bandwidth NVNT 11g 2437MHz Ant1



-6dB Bandwidth NVNT 11g 2462MHz Ant1

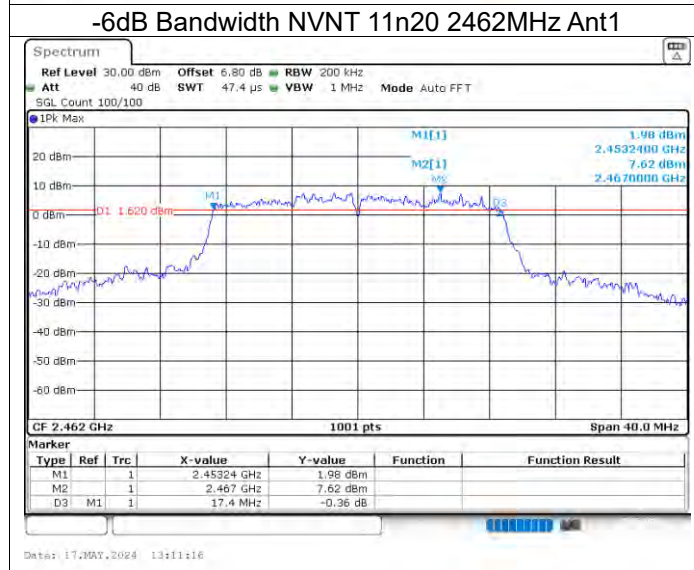
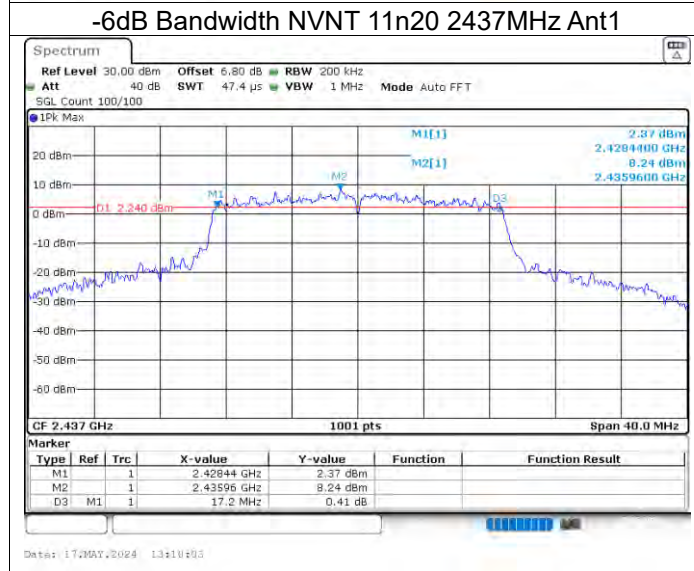
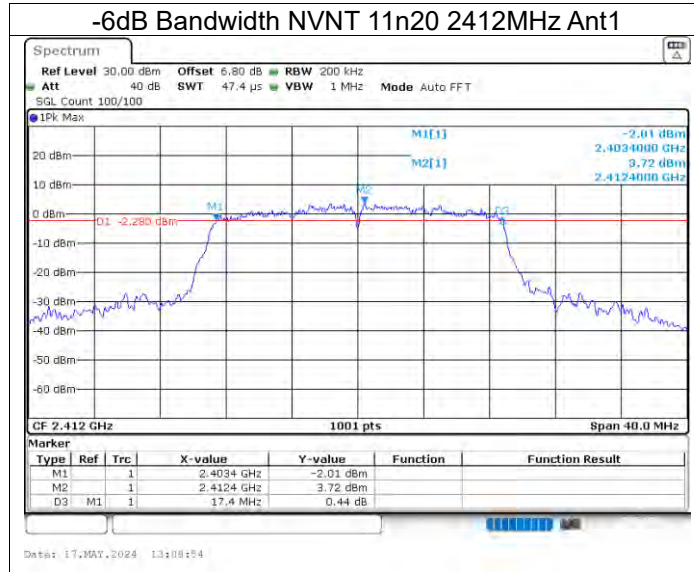


Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02

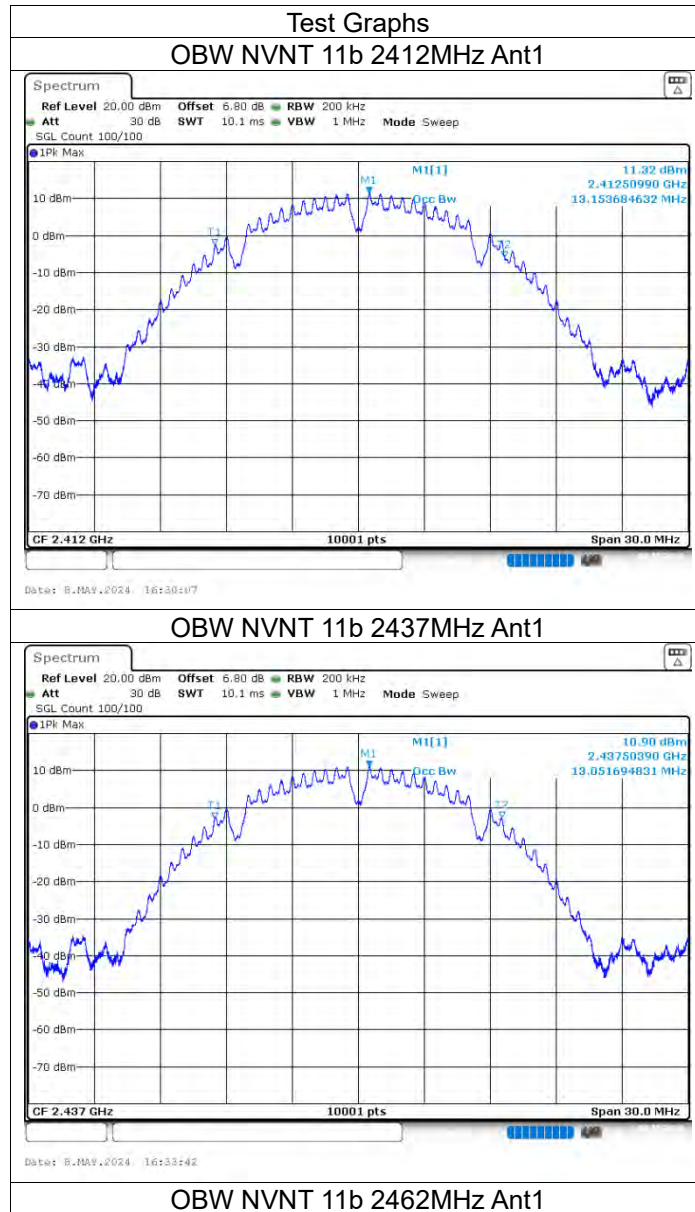
## OCCUPIED CHANNEL BANDWIDTH

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





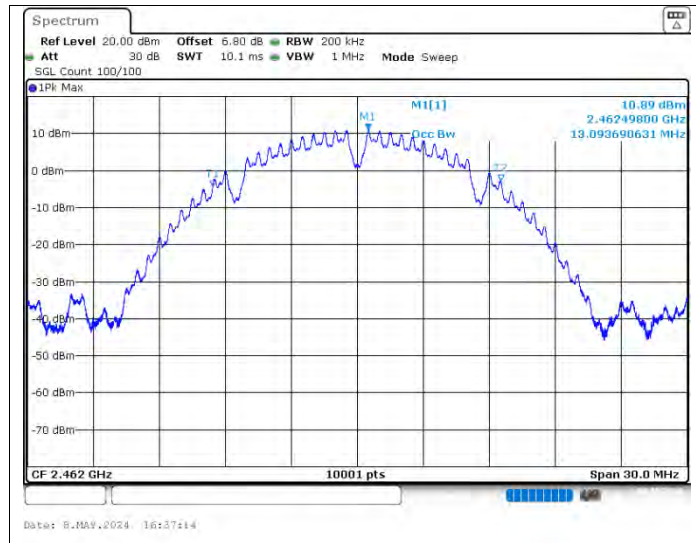
Reference No.: W7L-240507W001RF02





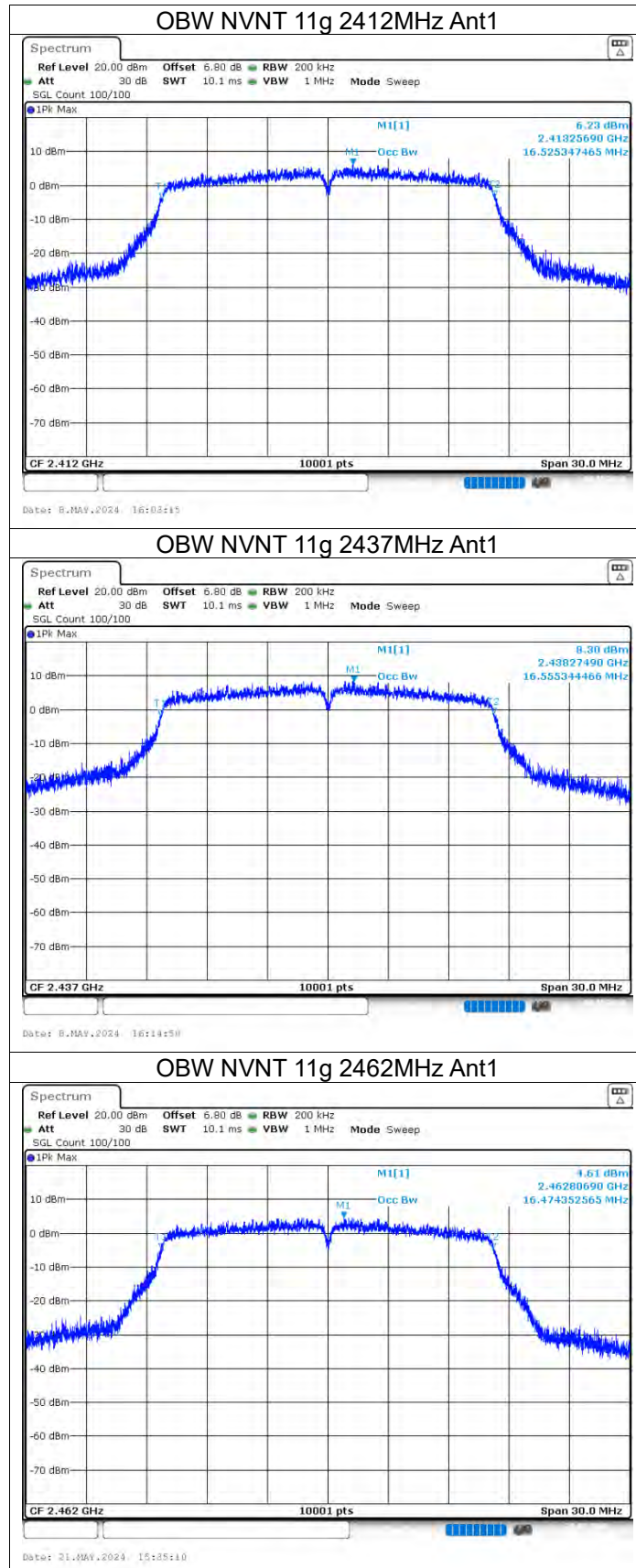


Reference No.: W7L-240507W001RF02



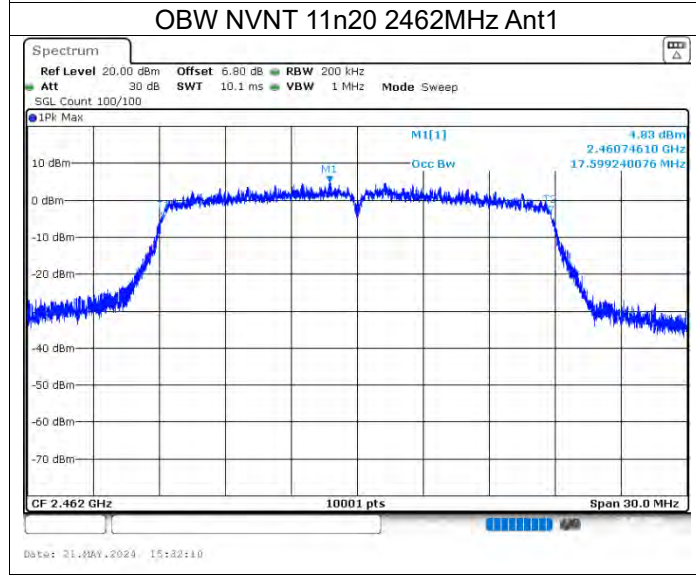
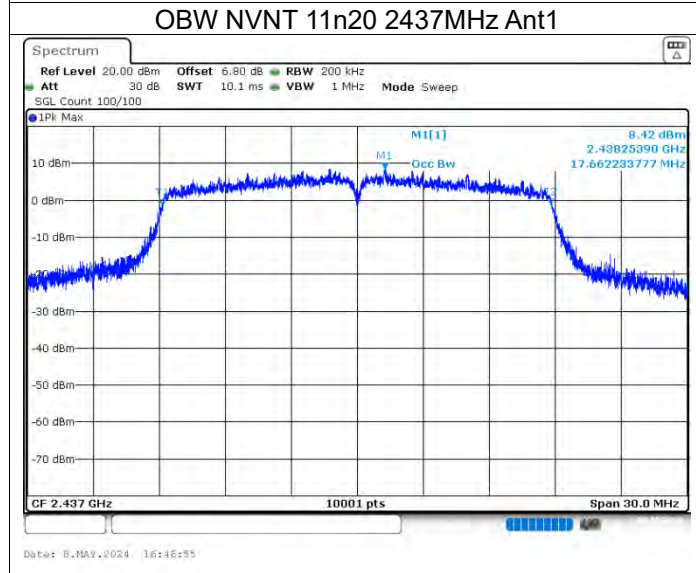
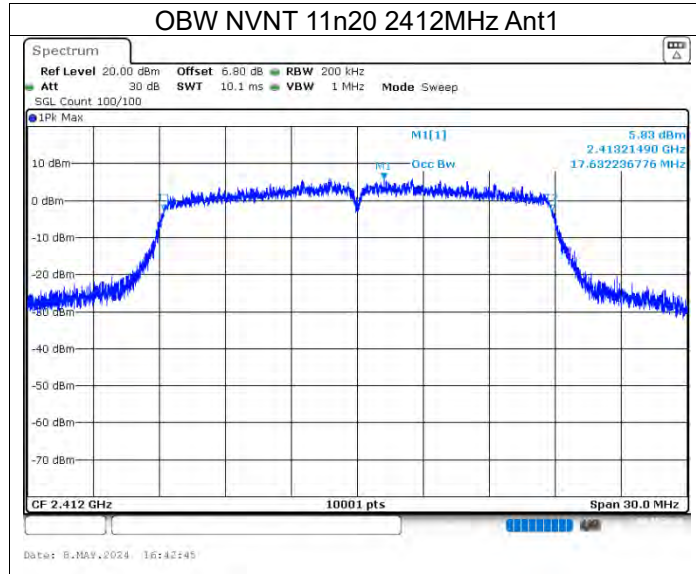


Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02





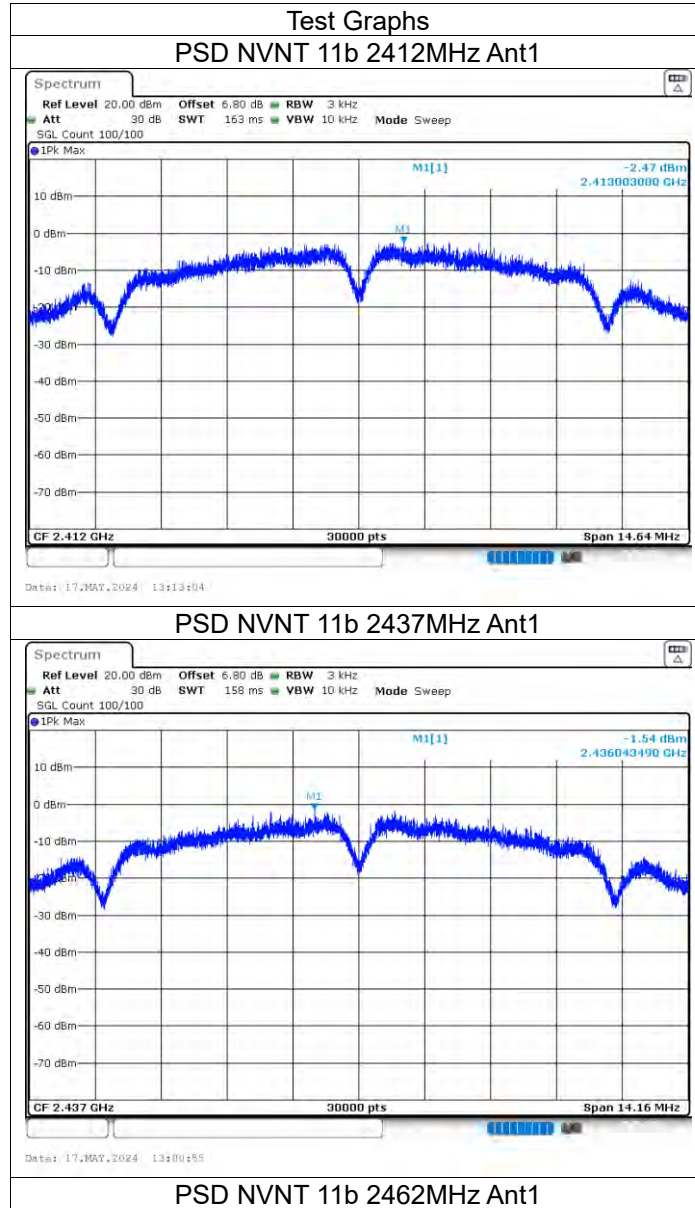
Reference No.: W7L-240507W001RF02

## MAXIMUM POWER SPECTRAL DENSITY LEVEL

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
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

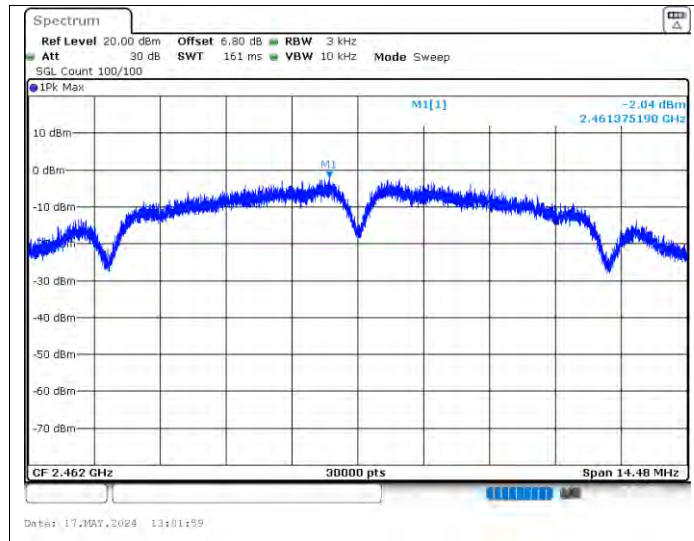


Reference No.: W7L-240507W001RF02





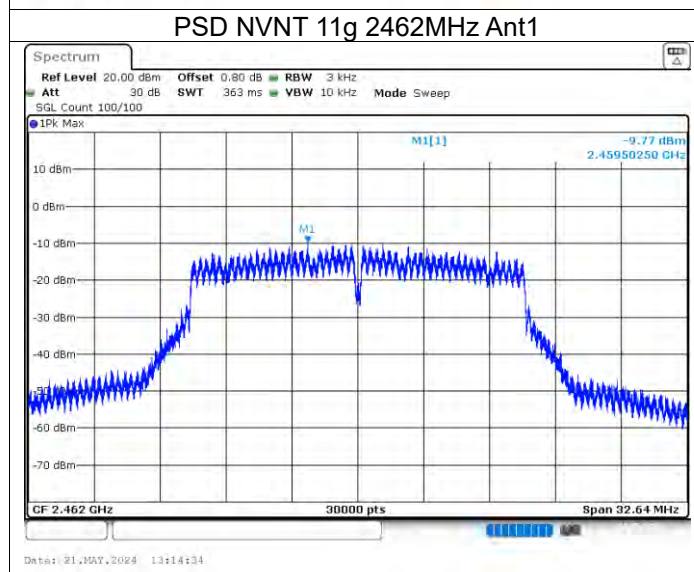
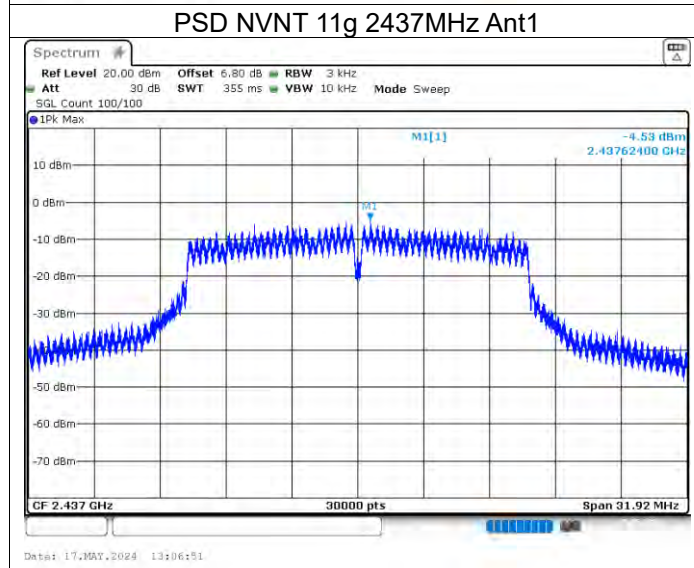
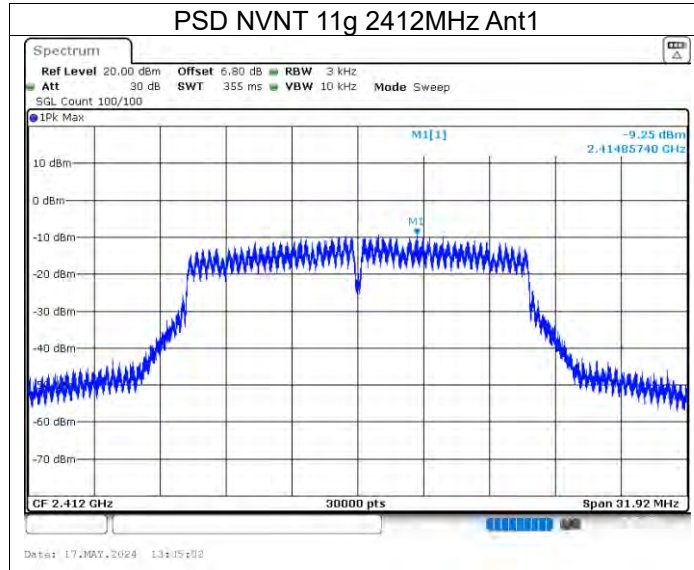
Reference No.: W7L-240507W001RF02







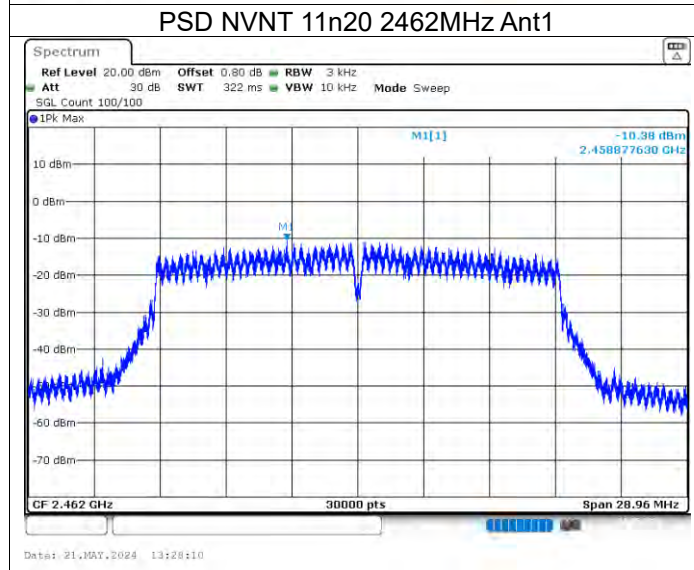
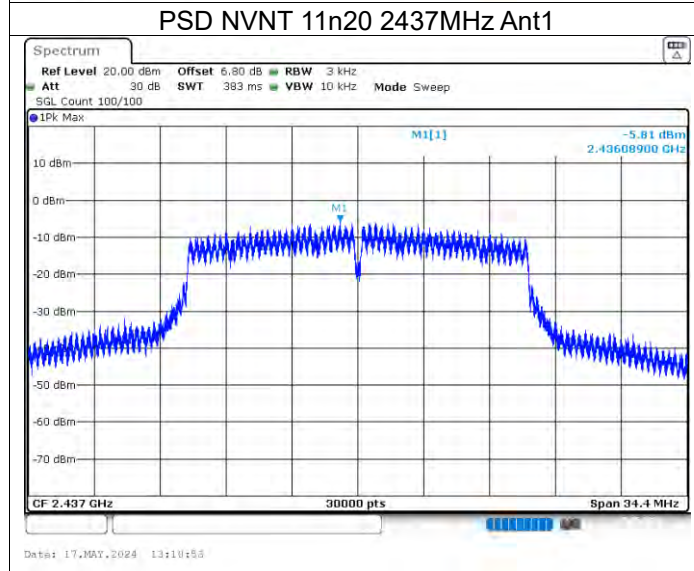
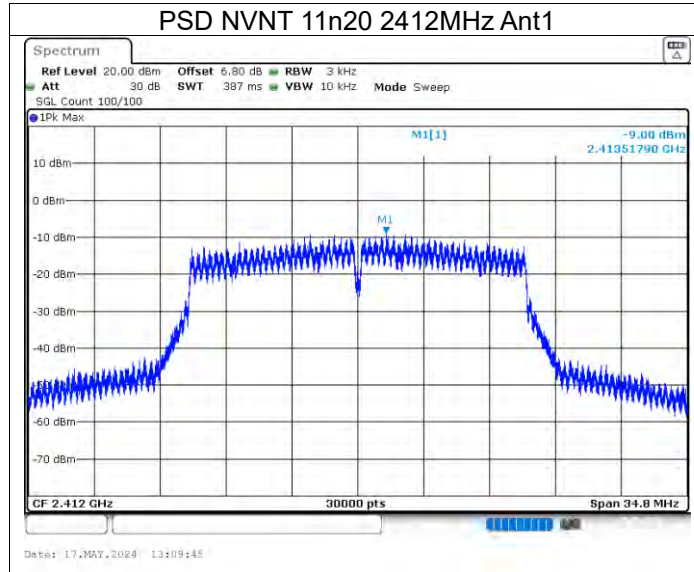
Reference No.: W7L-240507W001RF02







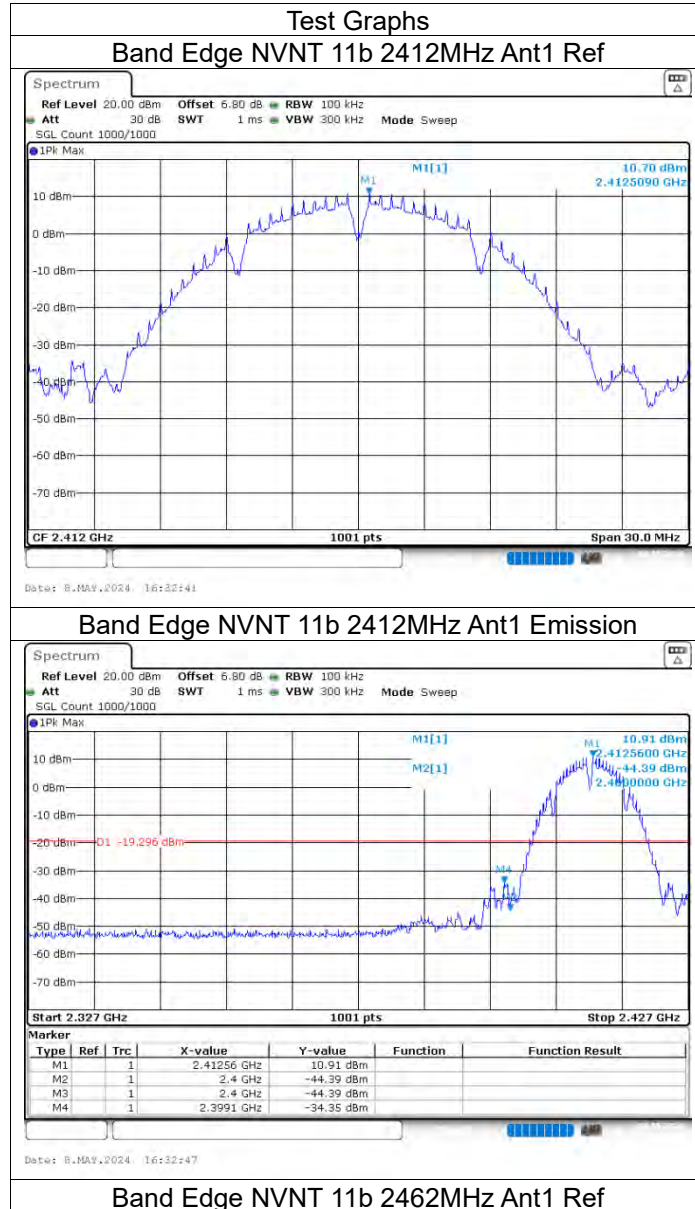
Reference No.: W7L-240507W001RF02





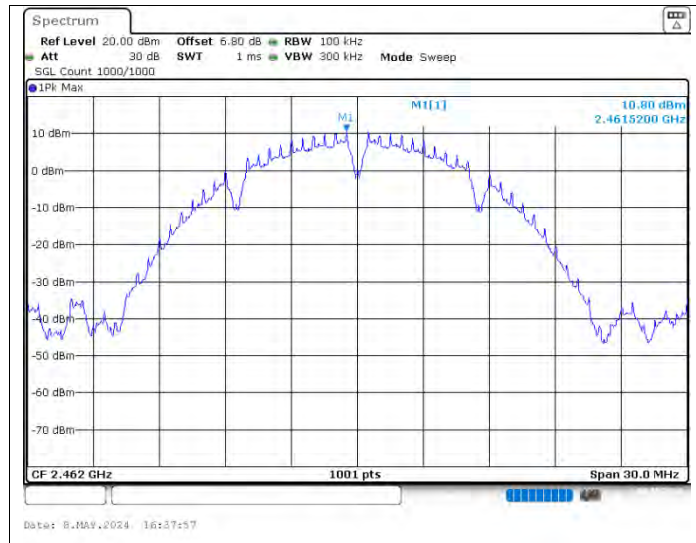
Reference No.: W7L-240507W001RF02

## BAND EDGE



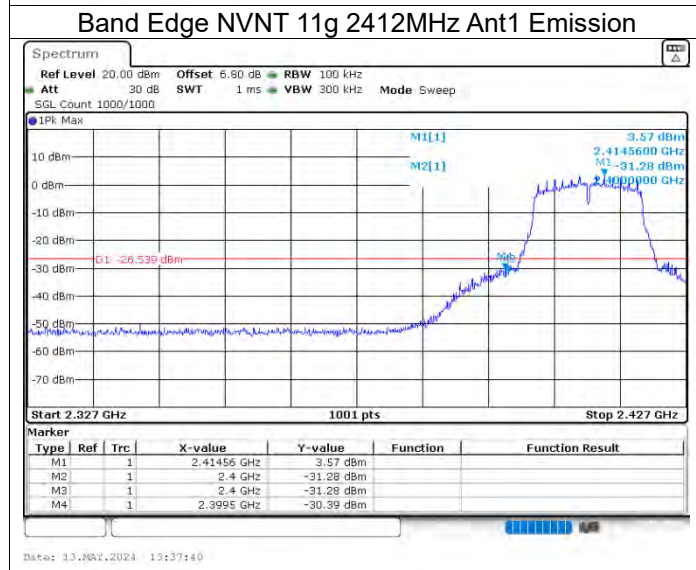
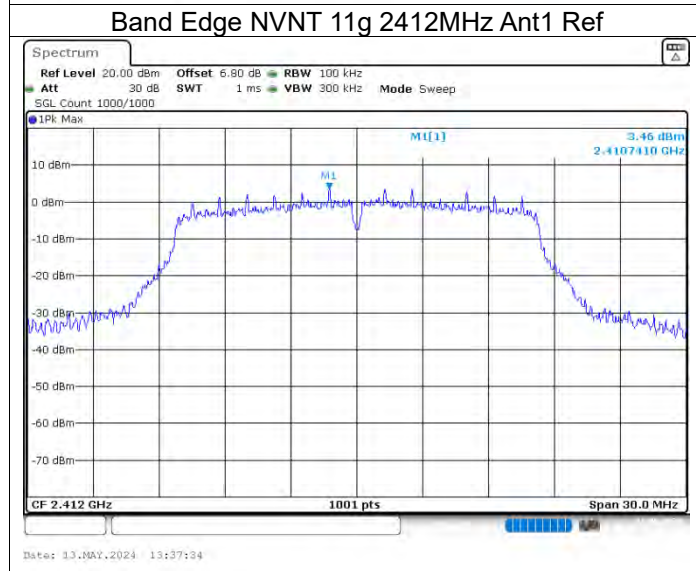
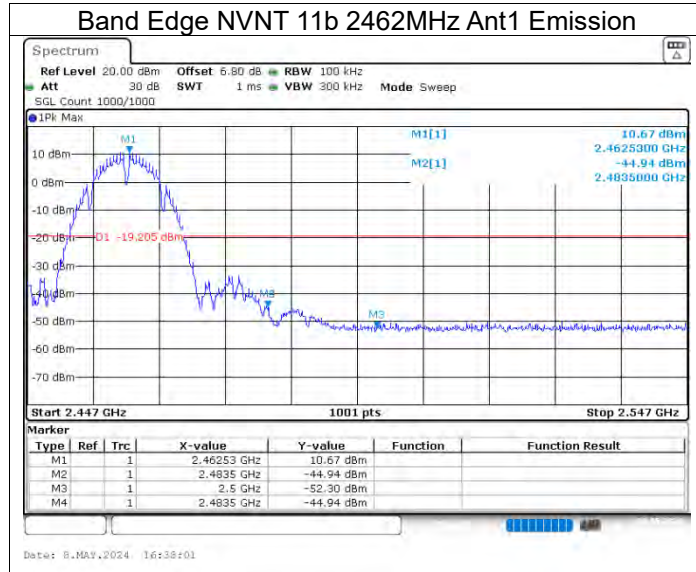


Reference No.: W7L-240507W001RF02



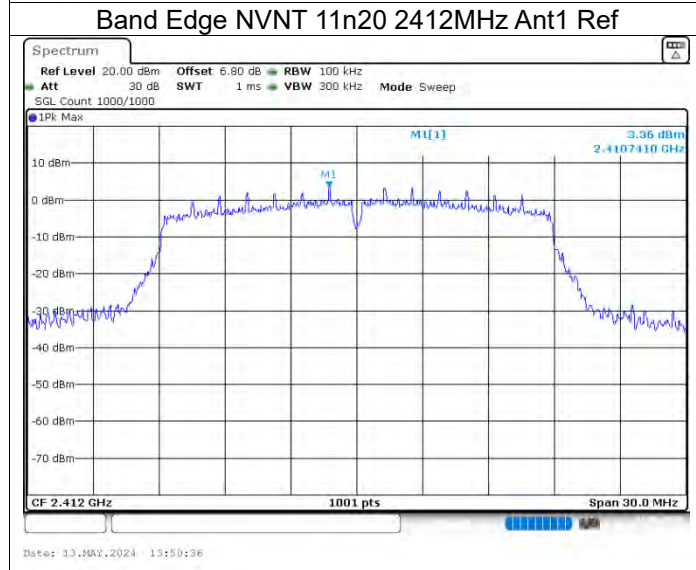
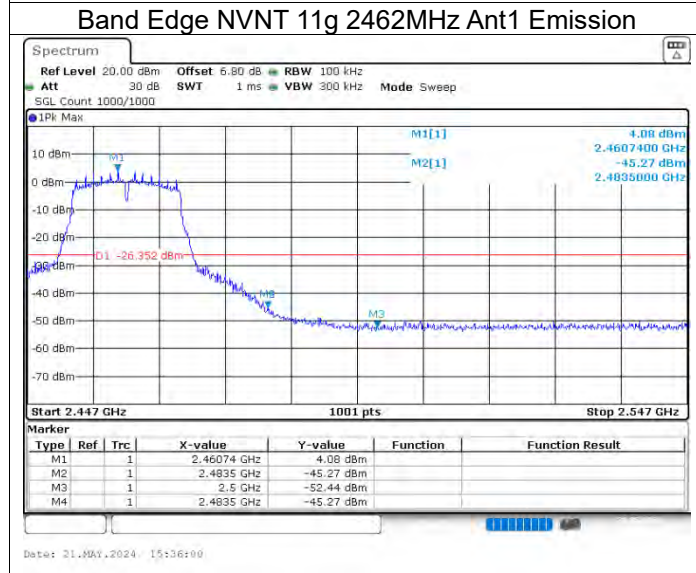
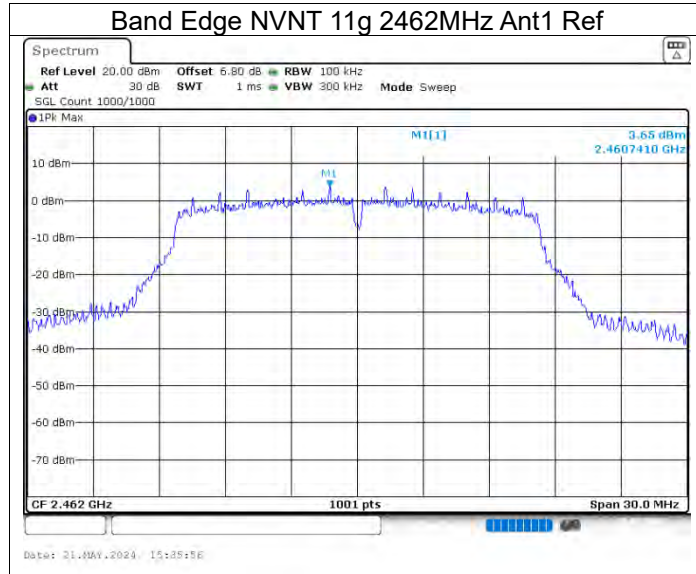


Reference No.: W7L-240507W001RF02





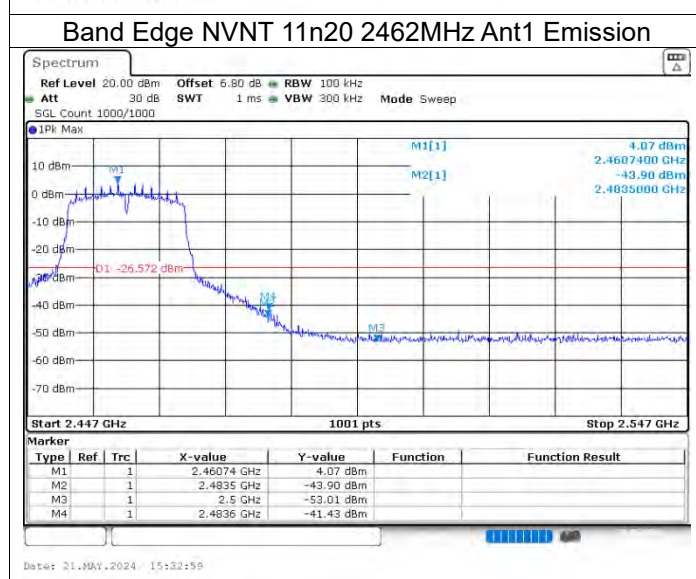
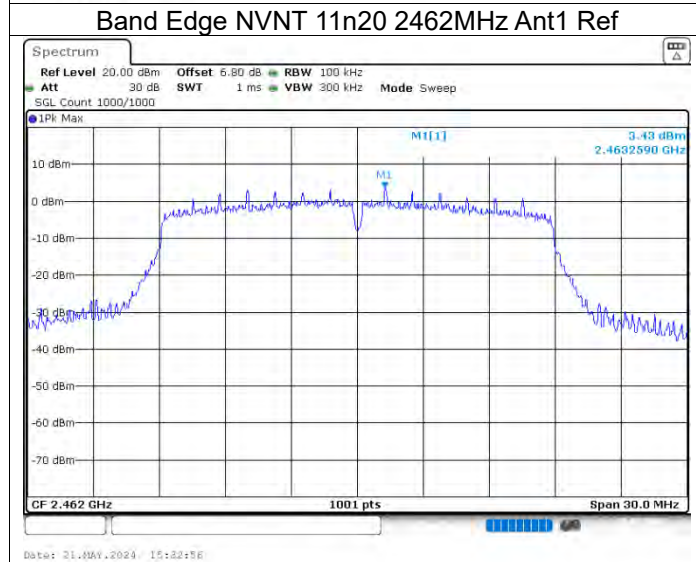
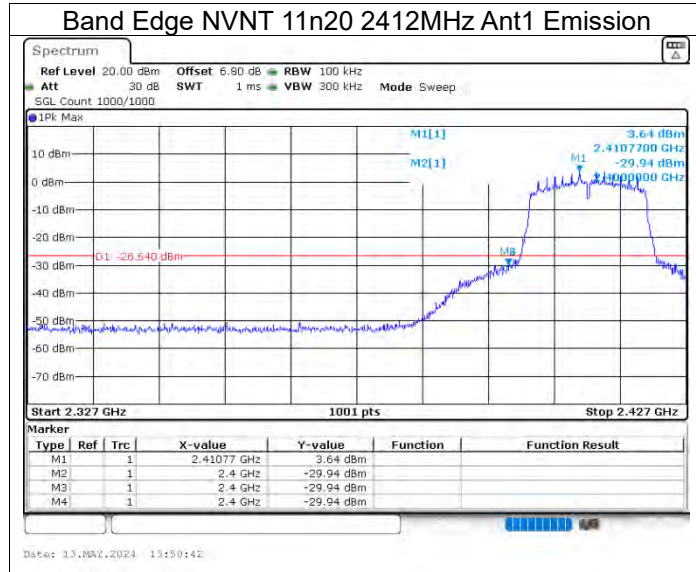
Reference No.: W7L-240507W001RF02







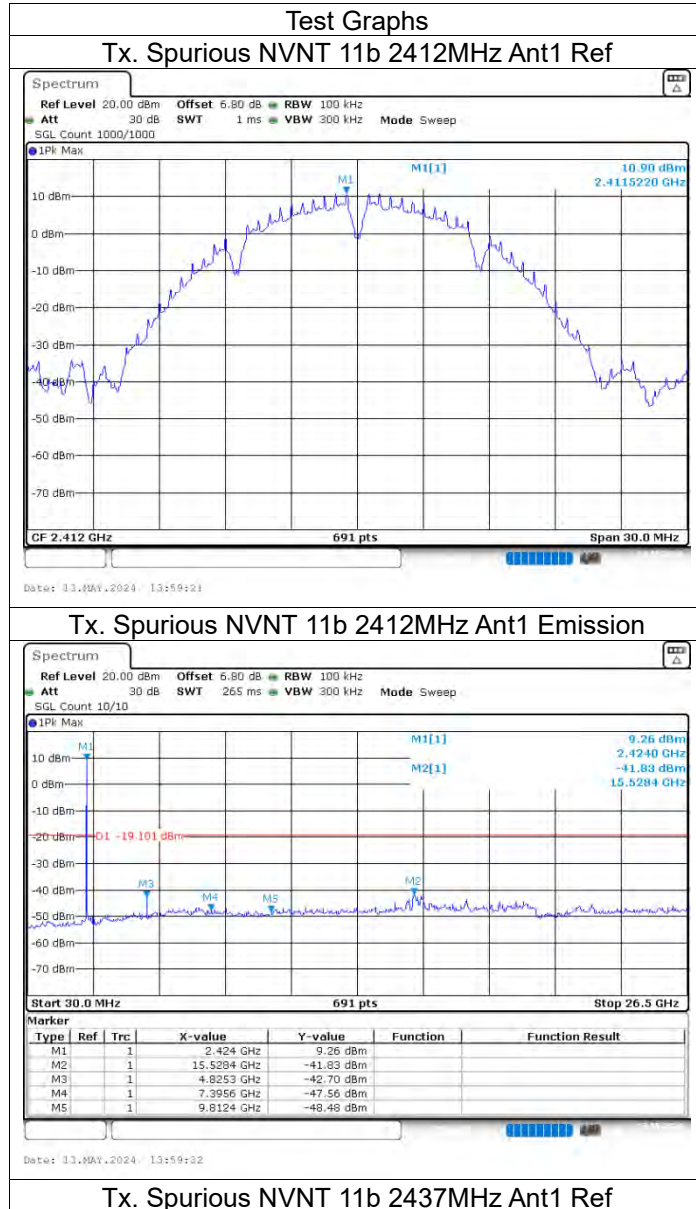
Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02

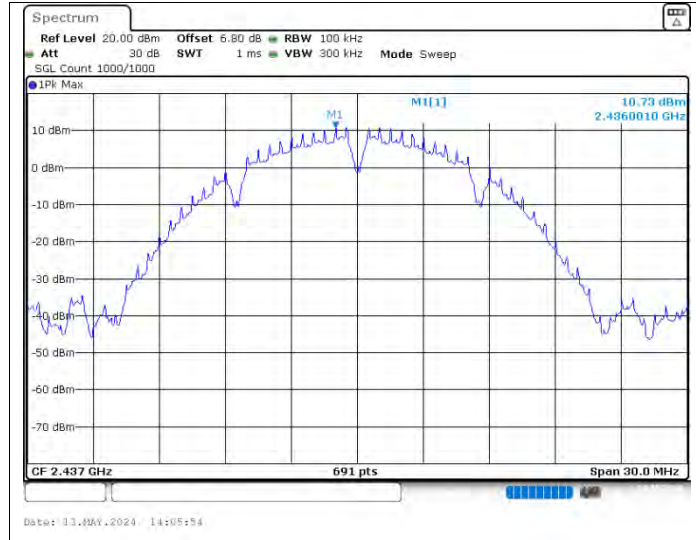
## CONDUCTED RF SPURIOUS EMISSION





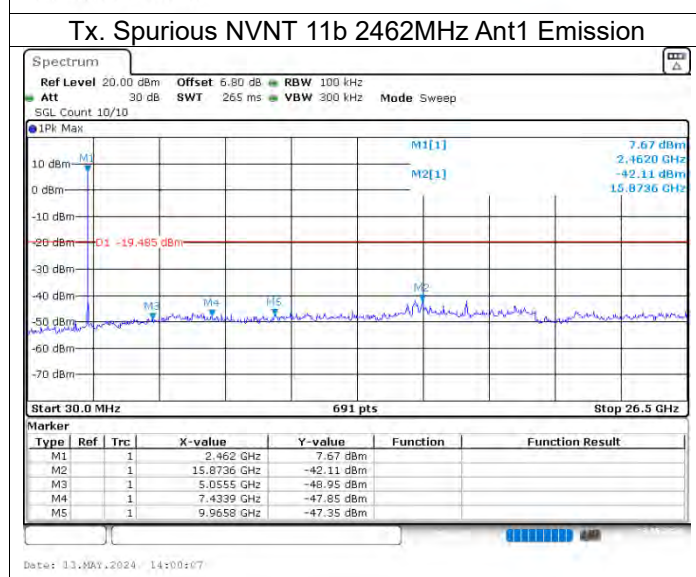
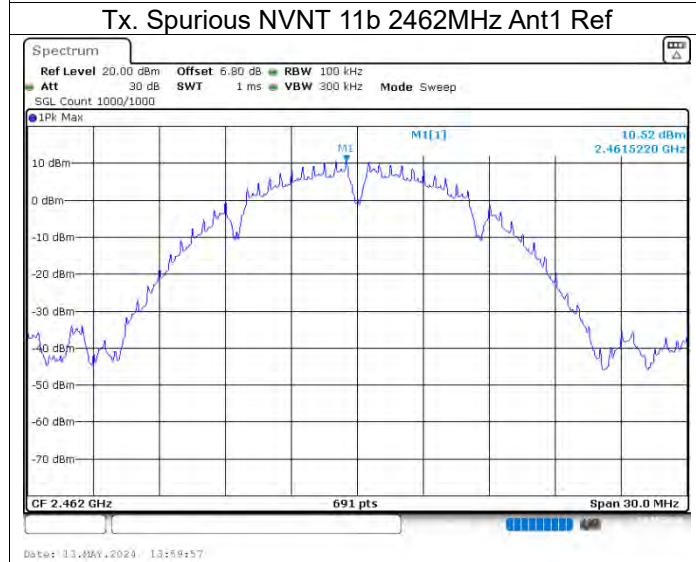
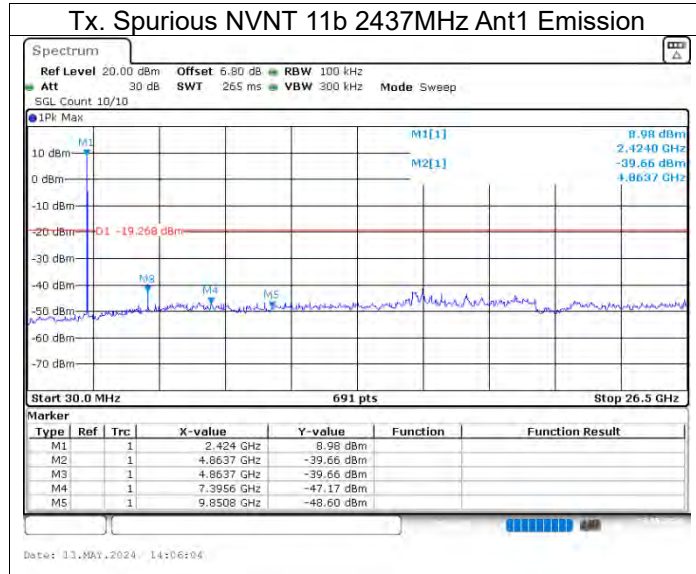


Reference No.: W7L-240507W001RF02



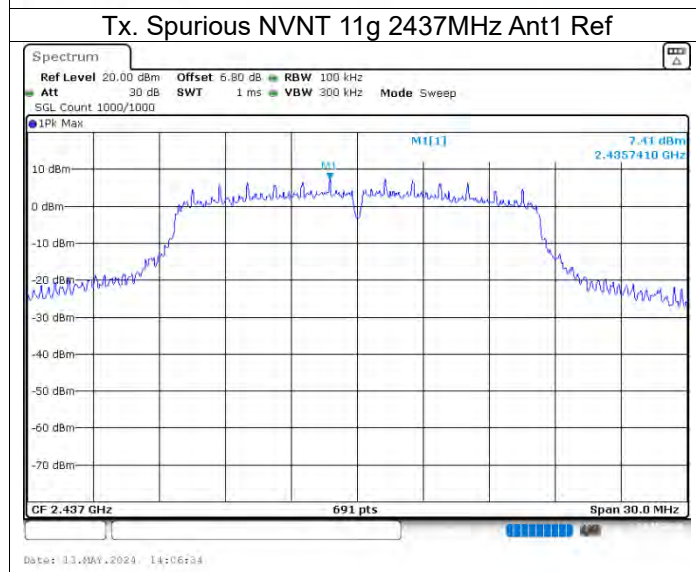
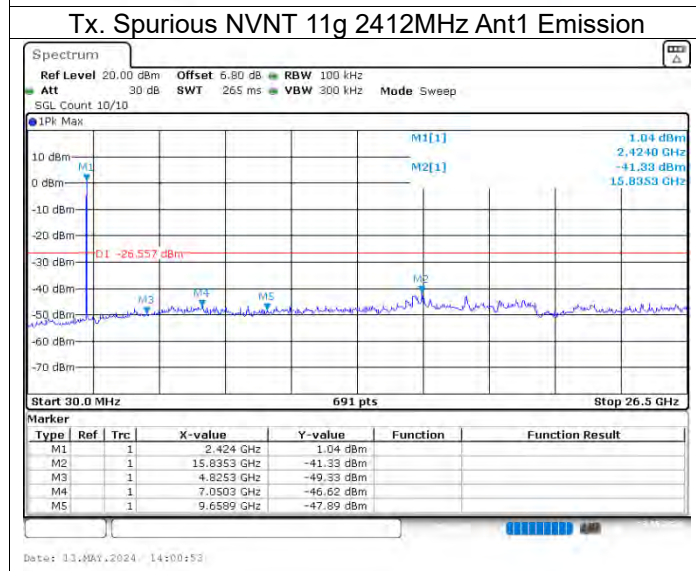
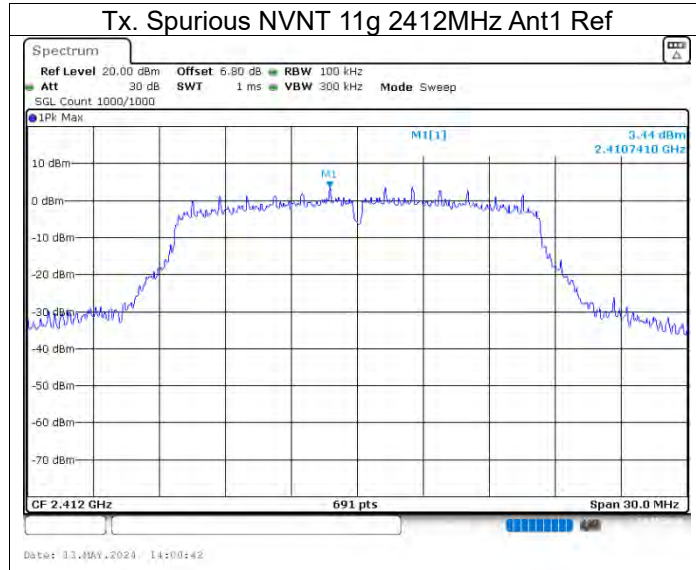


Reference No.: W7L-240507W001RF02



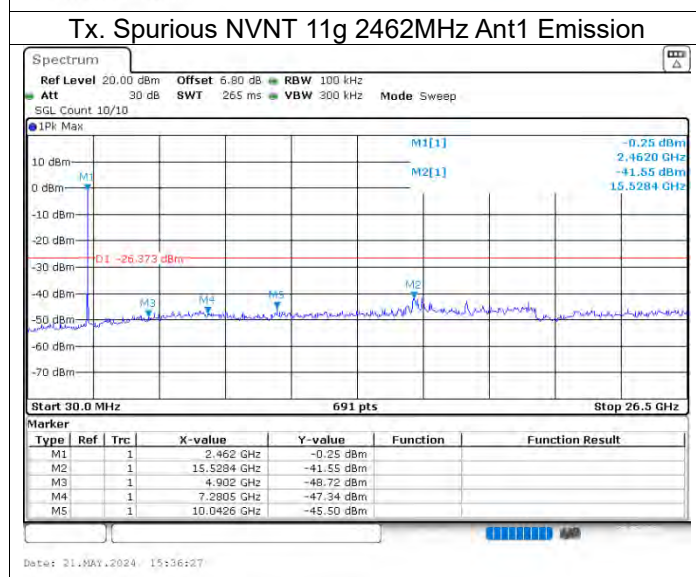
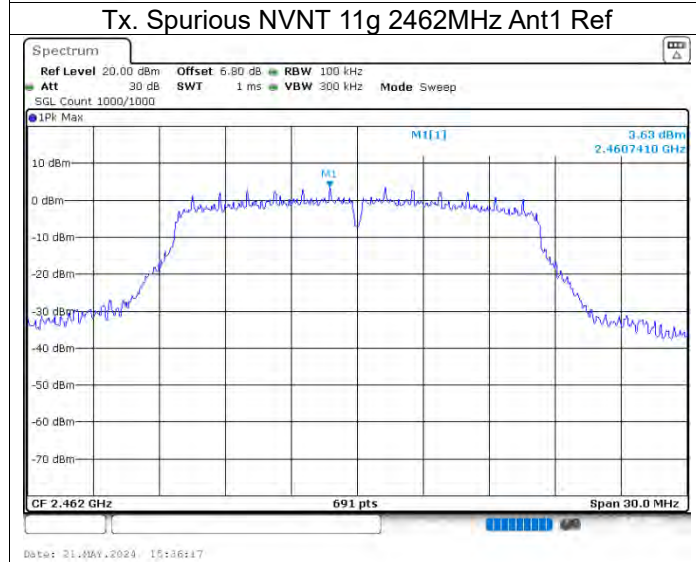
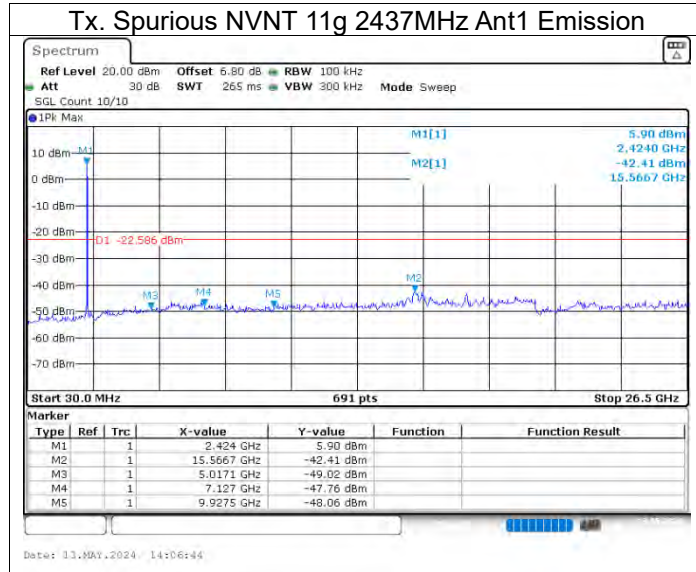


Reference No.: W7L-240507W001RF02





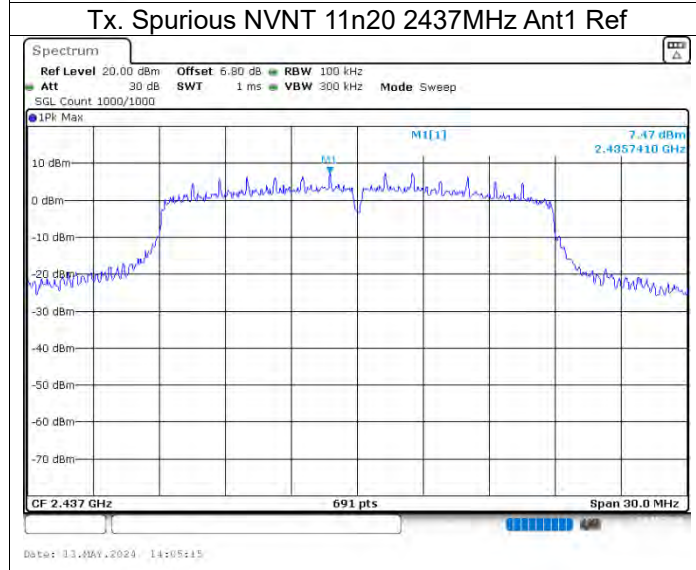
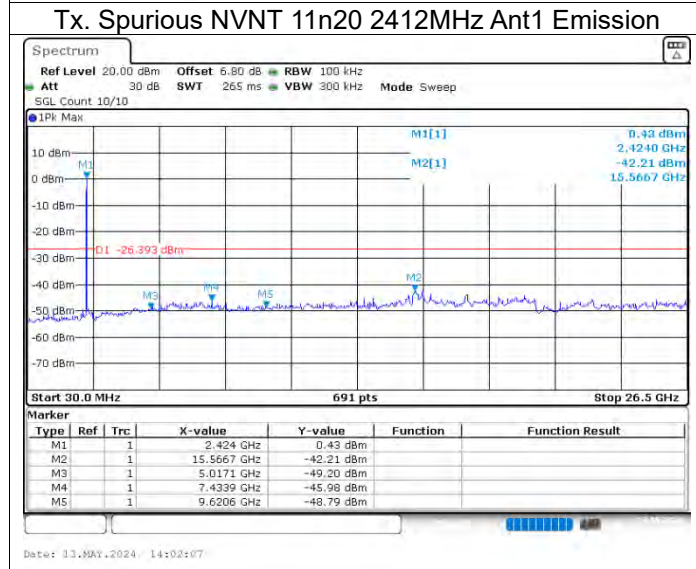
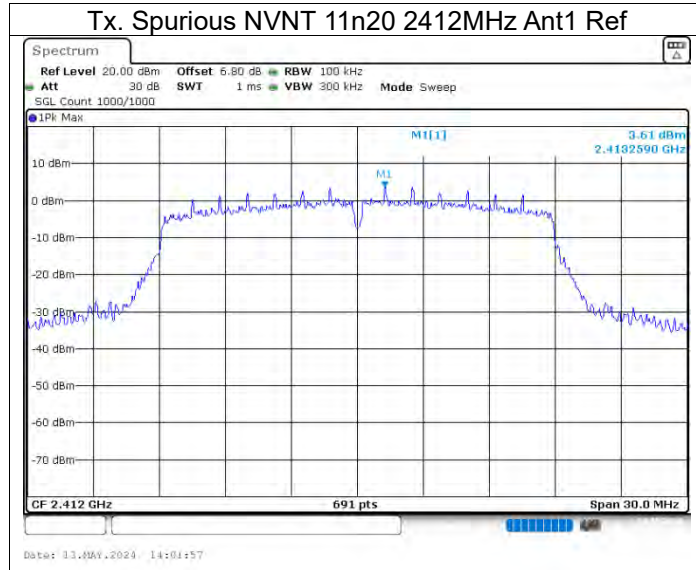
Reference No.: W7L-240507W001RF02





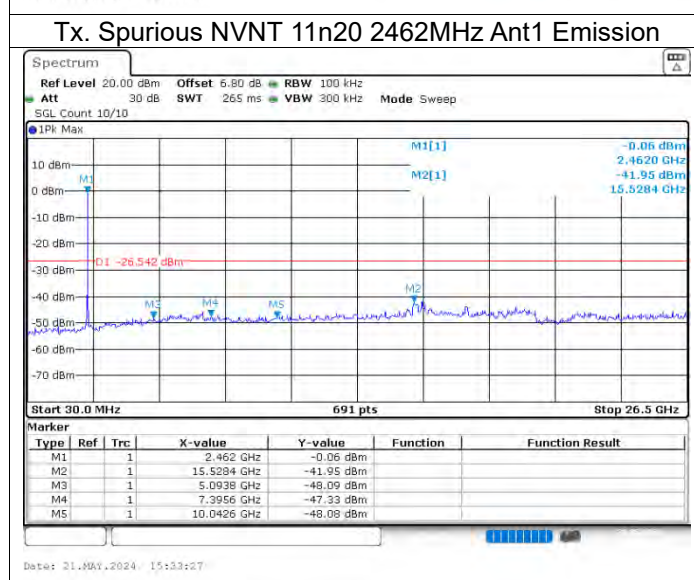
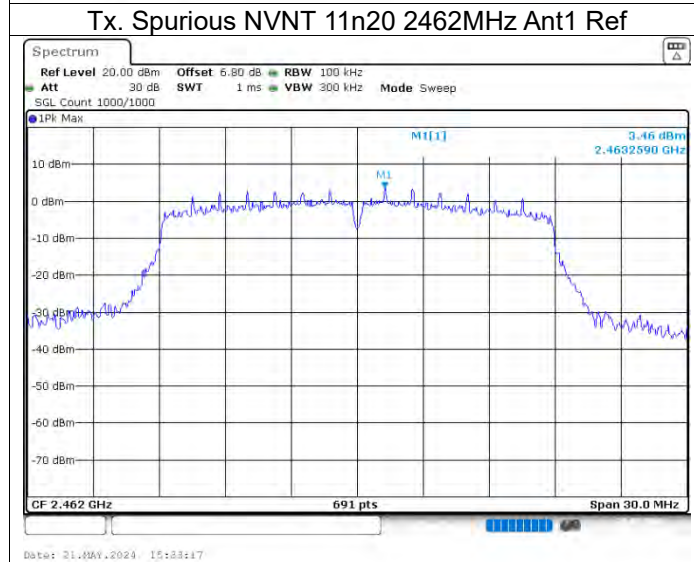
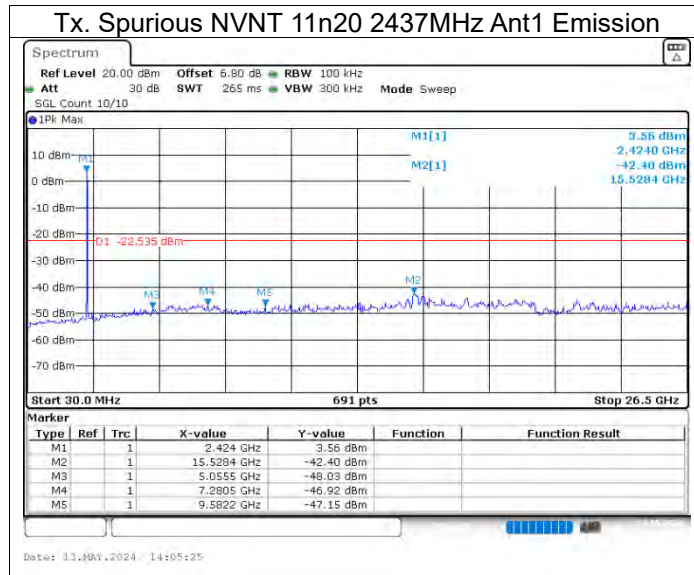


Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02







Reference No.: W7L-240507W001RF02

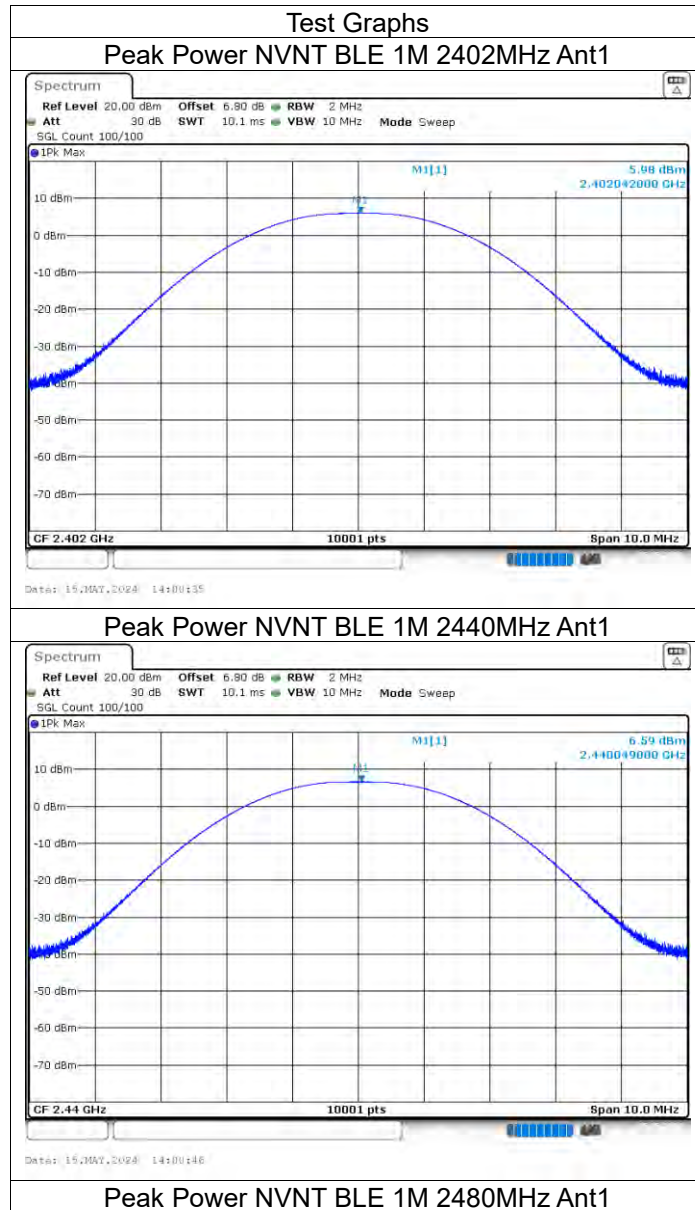
## BLE

### 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

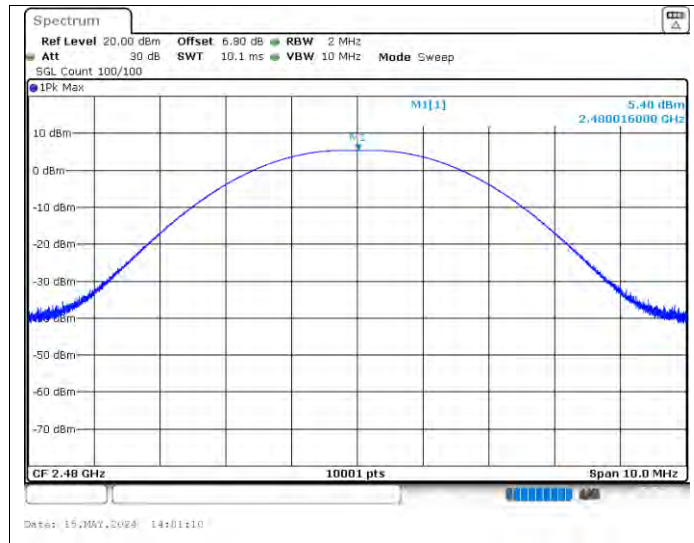


Reference No.: W7L-240507W001RF02



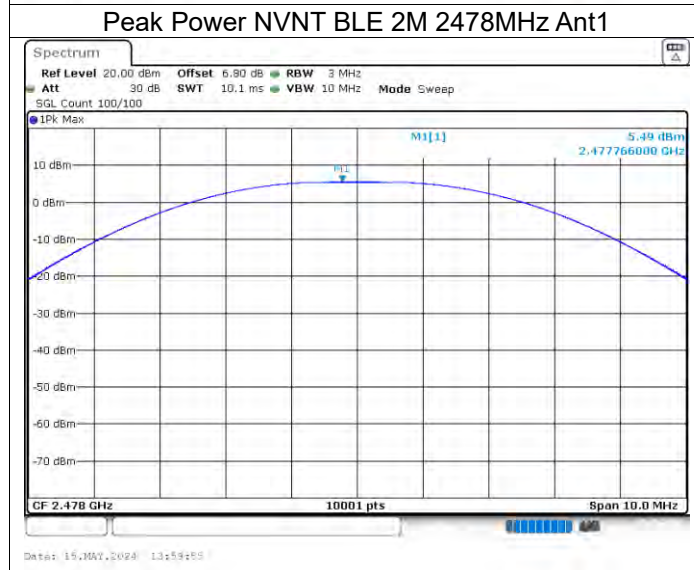
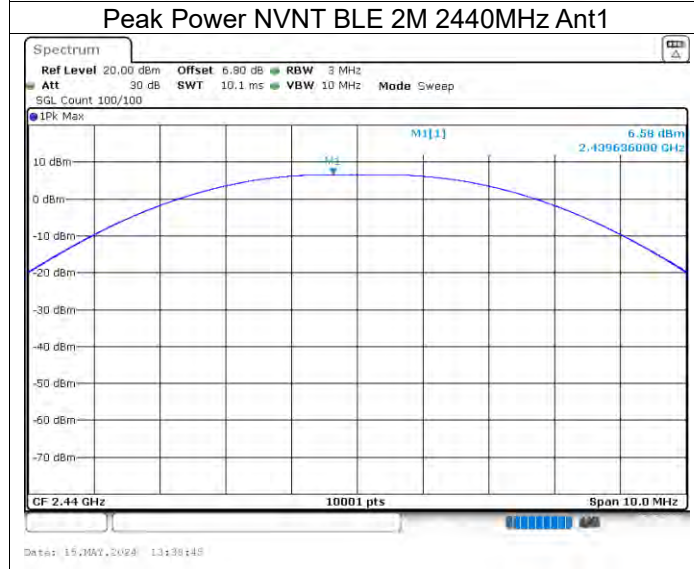
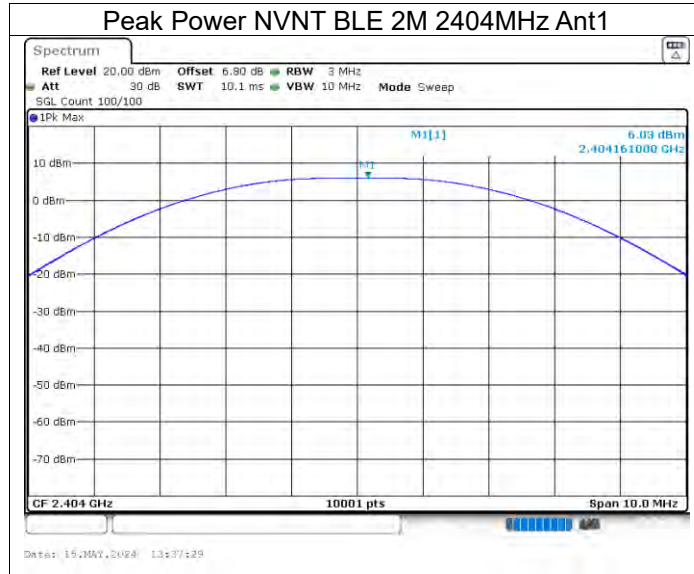


Reference No.: W7L-240507W001RF02



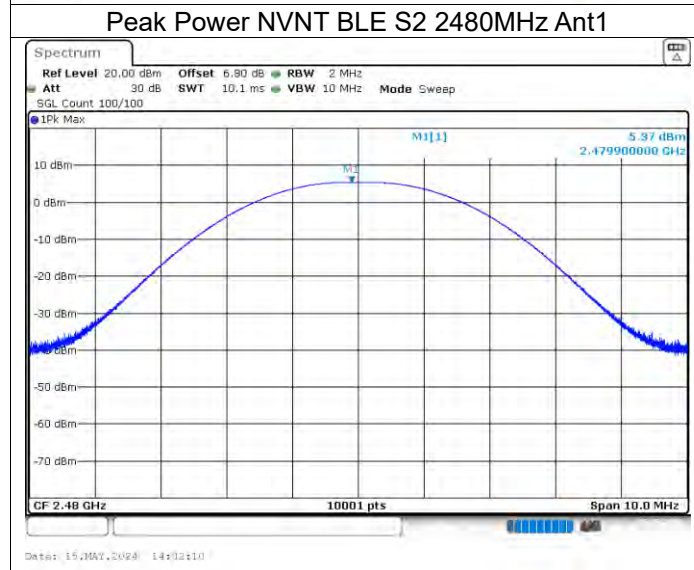
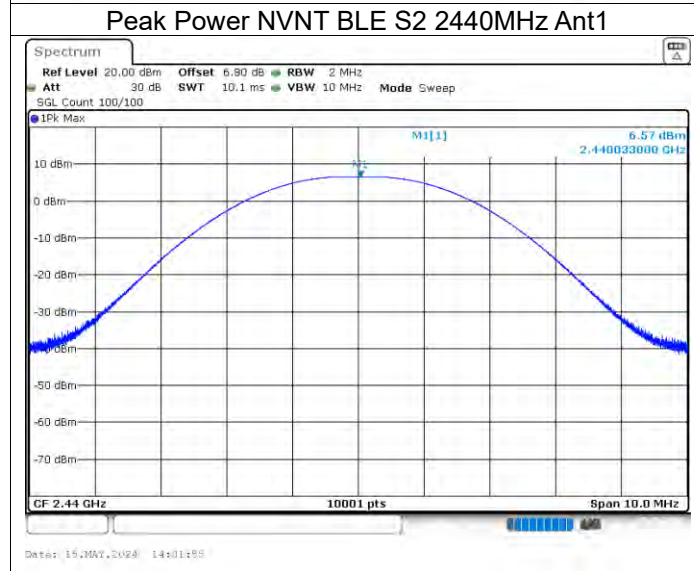
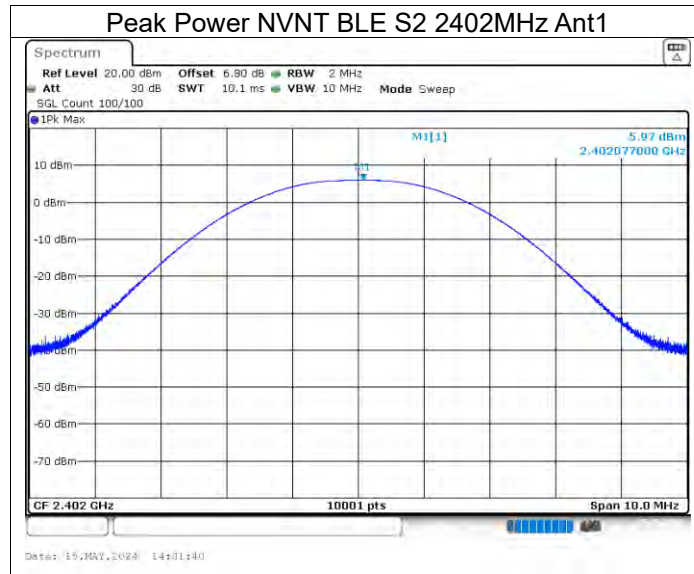


Reference No.: W7L-240507W001RF02





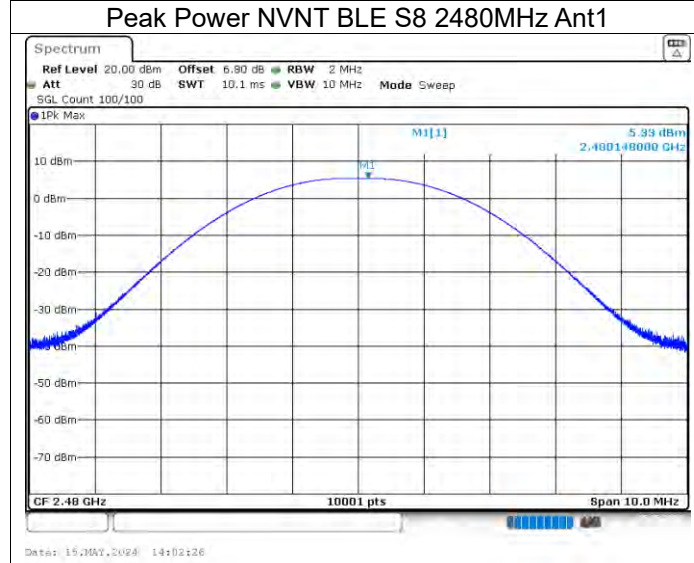
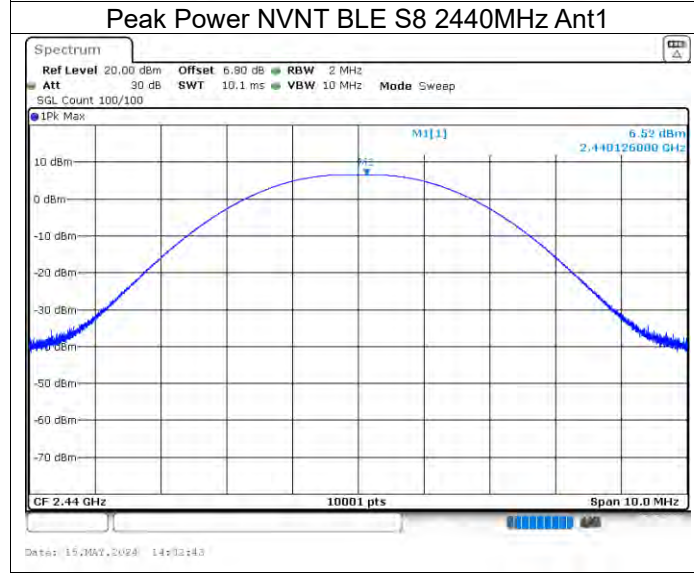
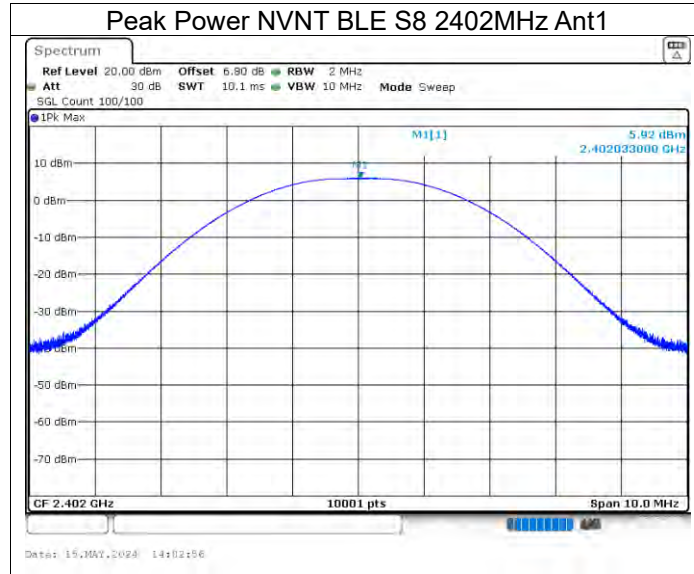
Reference No.: W7L-240507W001RF02







Reference No.: W7L-240507W001RF02





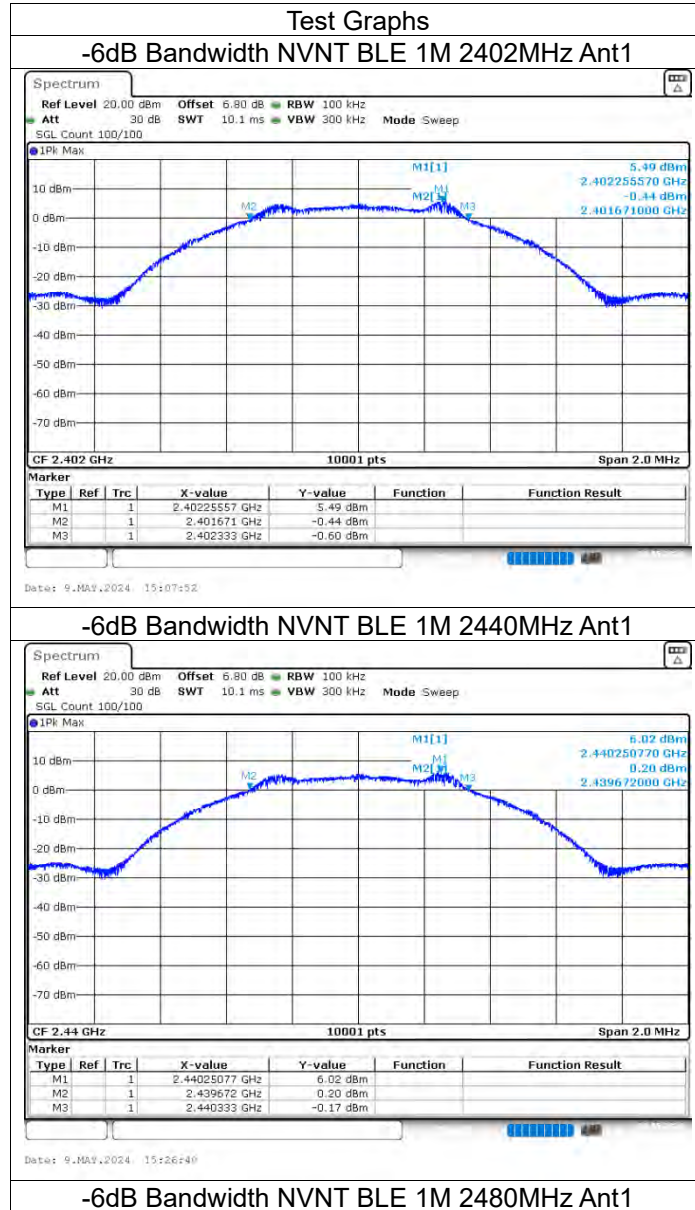
Reference No.: W7L-240507W001RF02

## -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

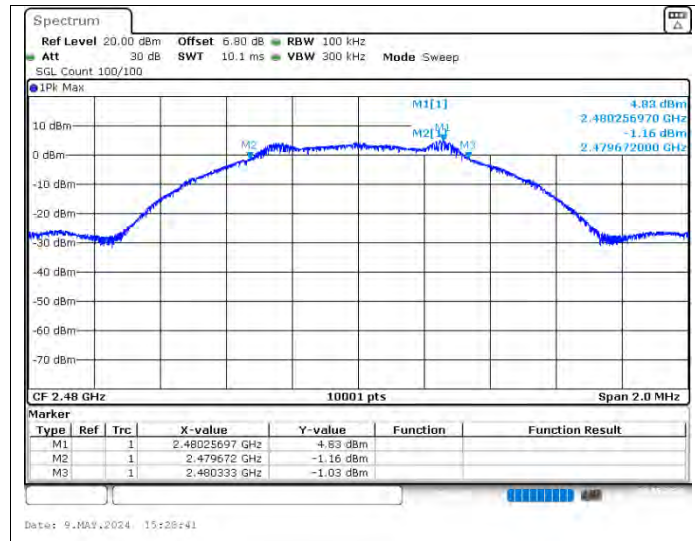


Reference No.: W7L-240507W001RF02



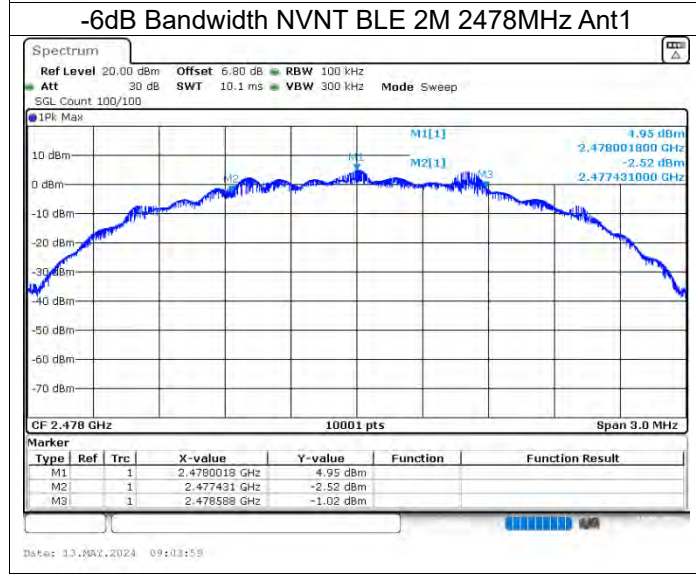
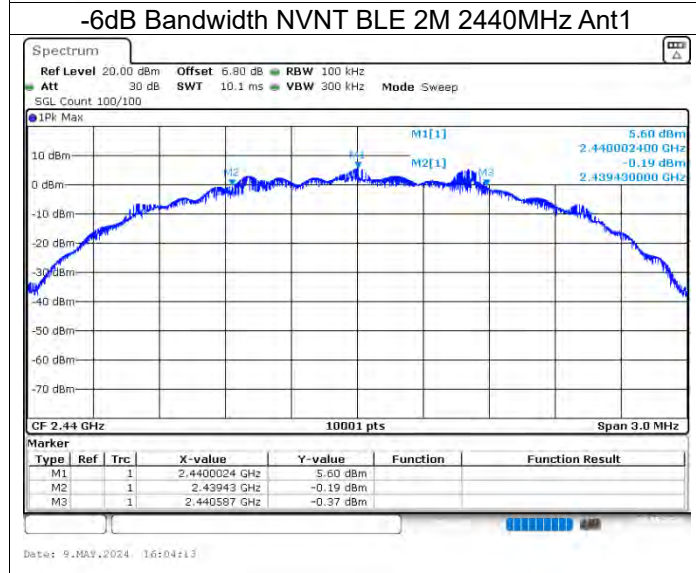
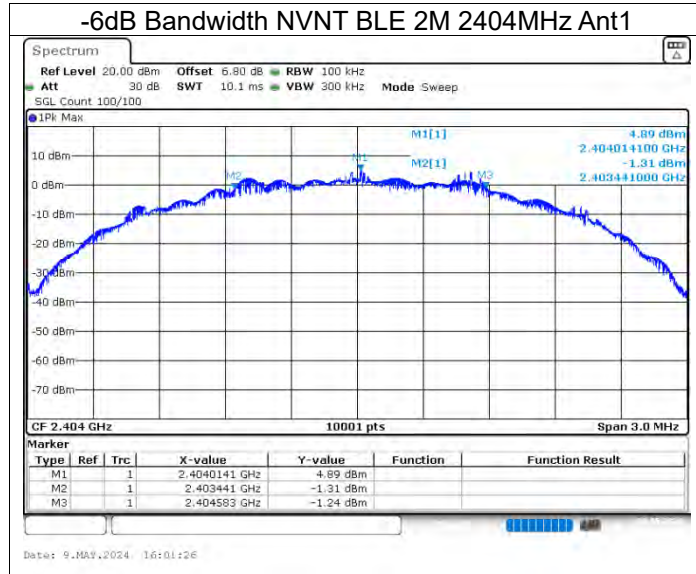


Reference No.: W7L-240507W001RF02





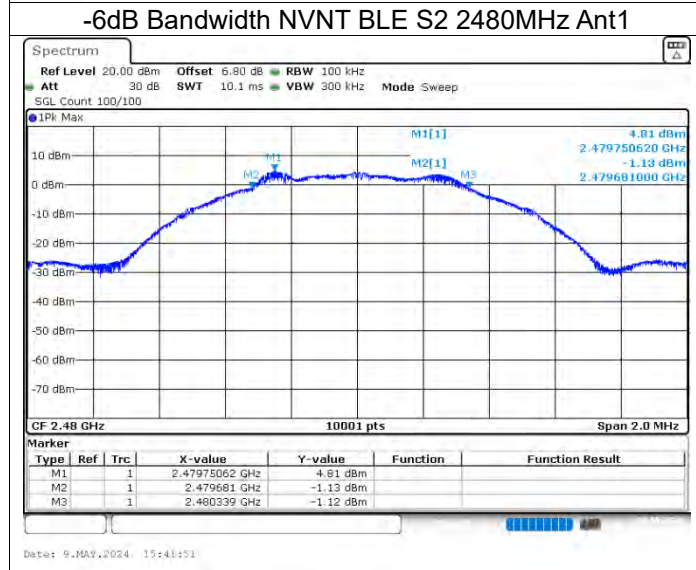
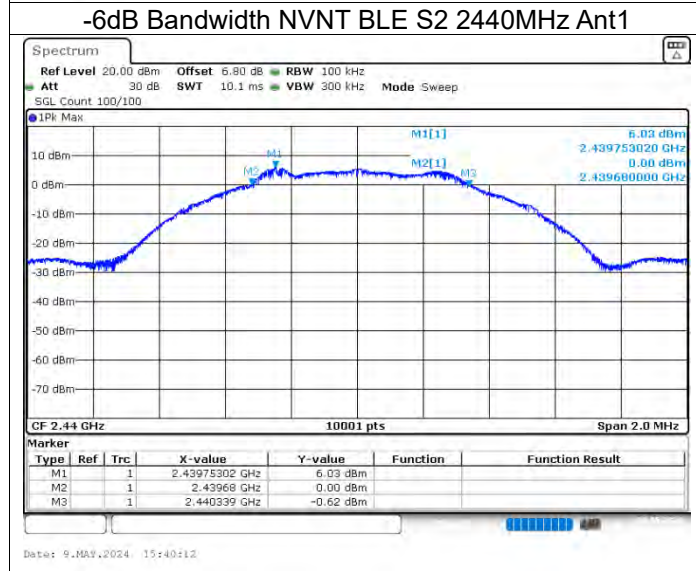
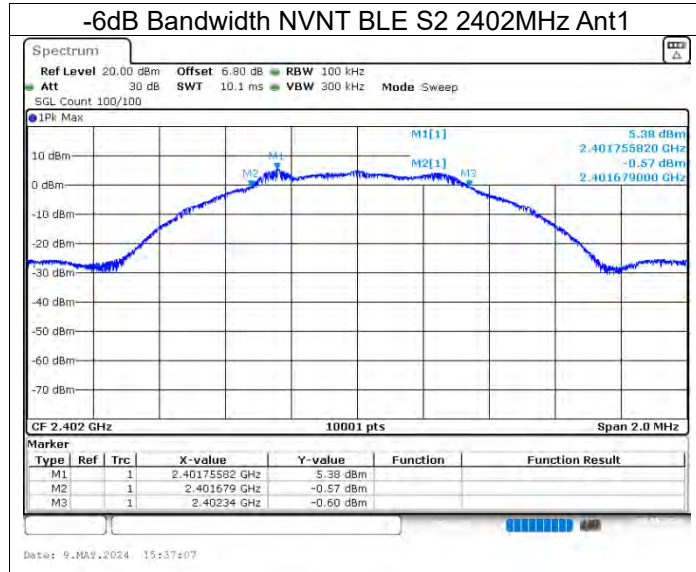
Reference No.: W7L-240507W001RF02





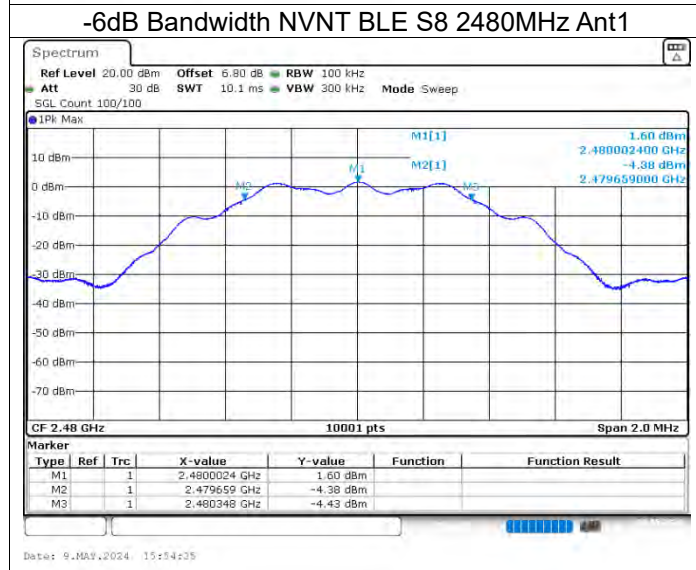
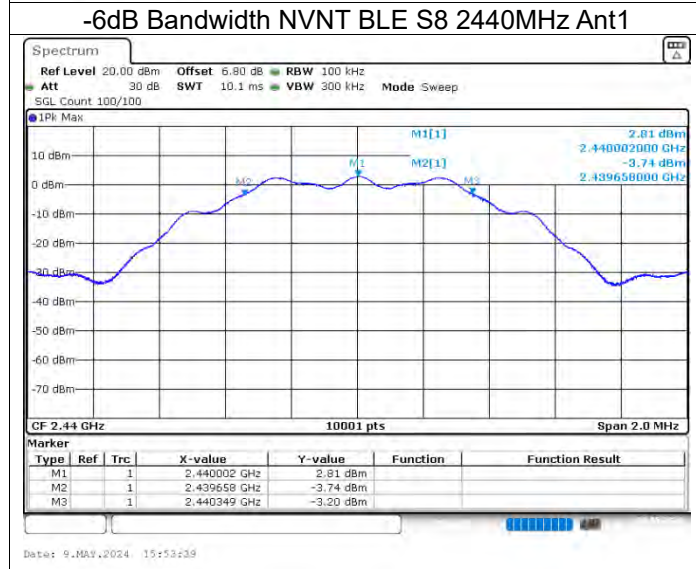
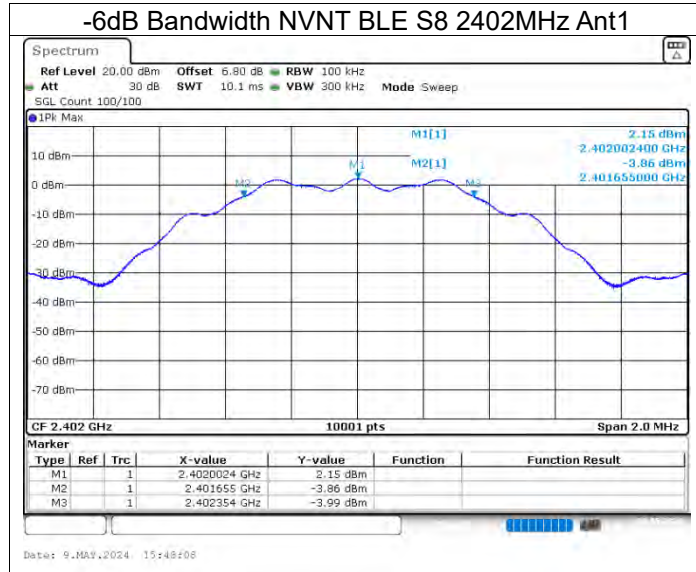


Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02





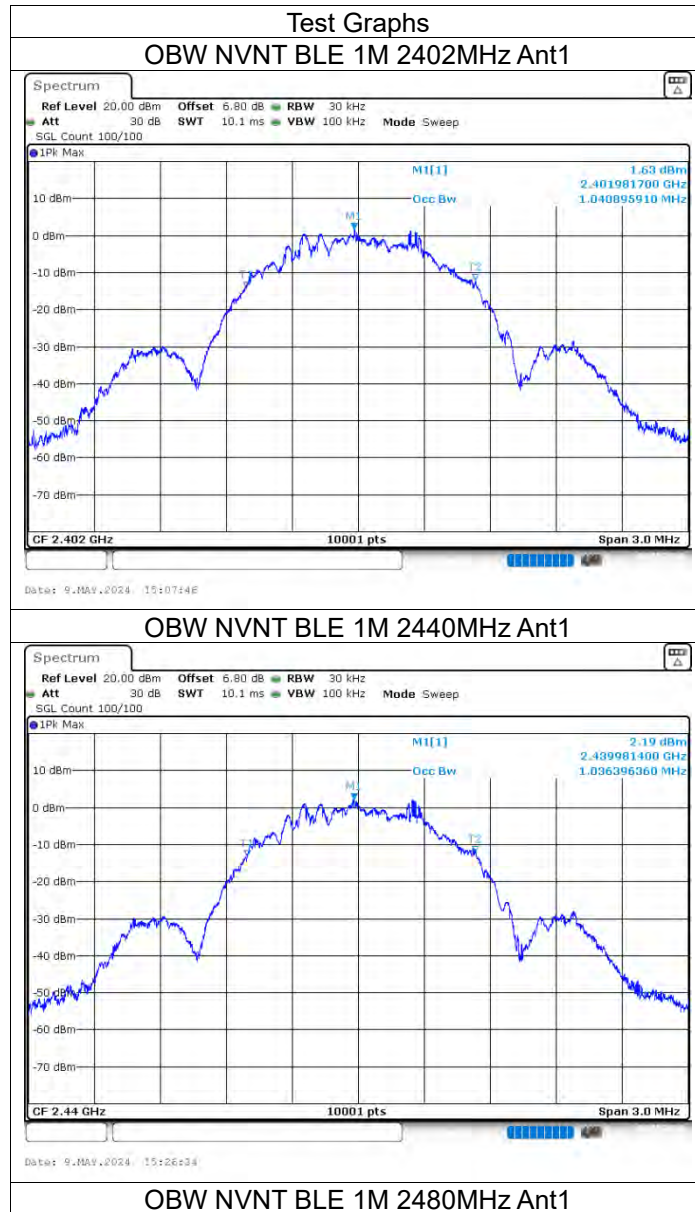
Reference No.: W7L-240507W001RF02

## 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





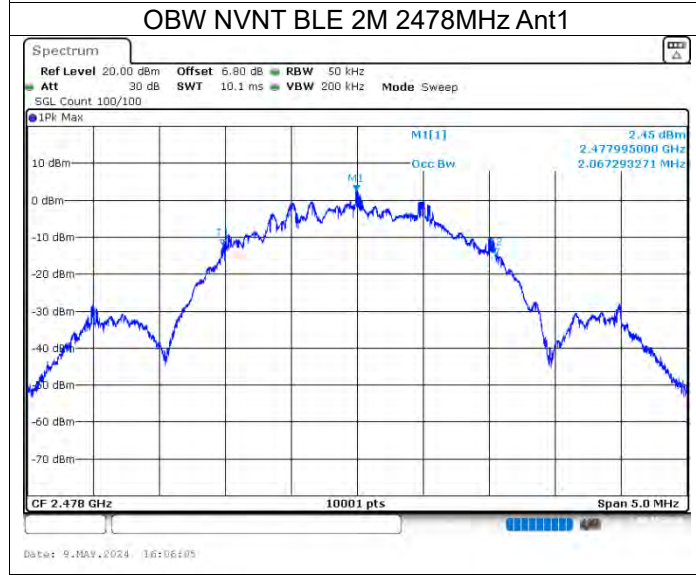
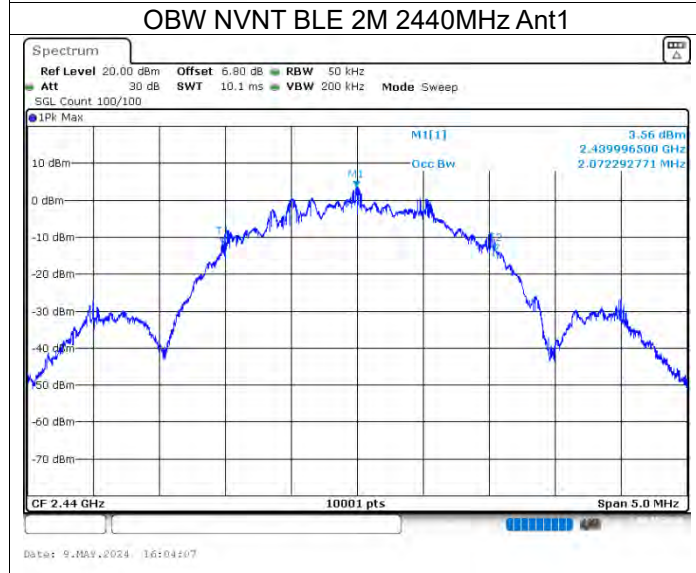
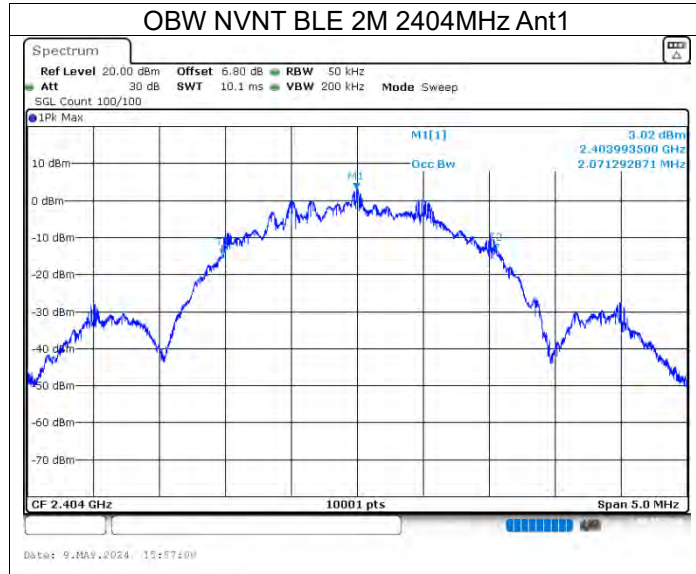
Reference No.: W7L-240507W001RF02







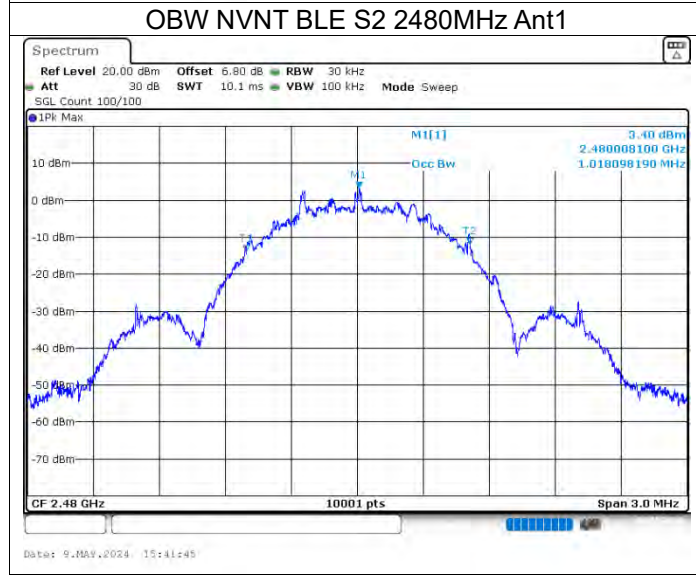
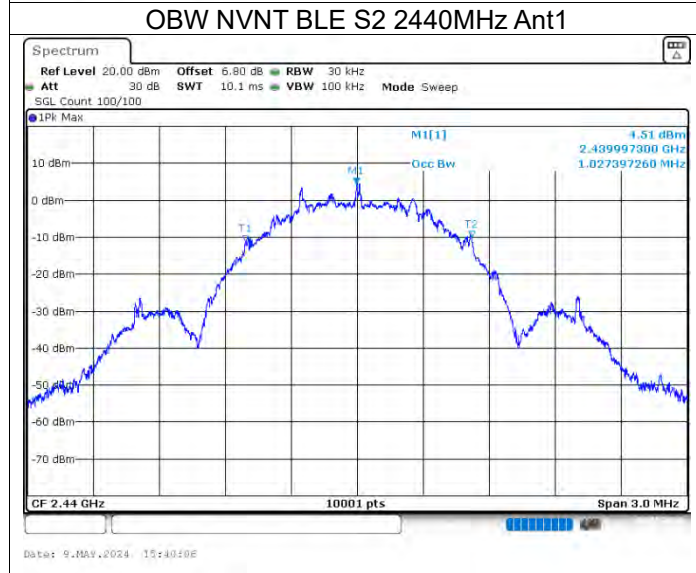
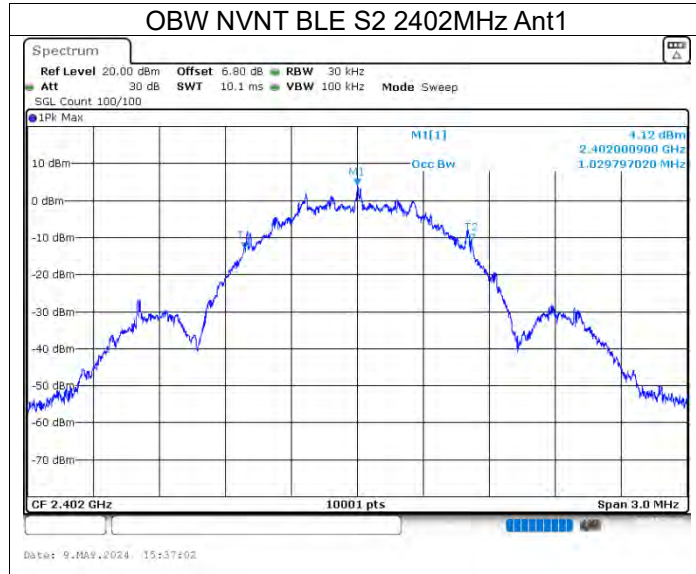
Reference No.: W7L-240507W001RF02





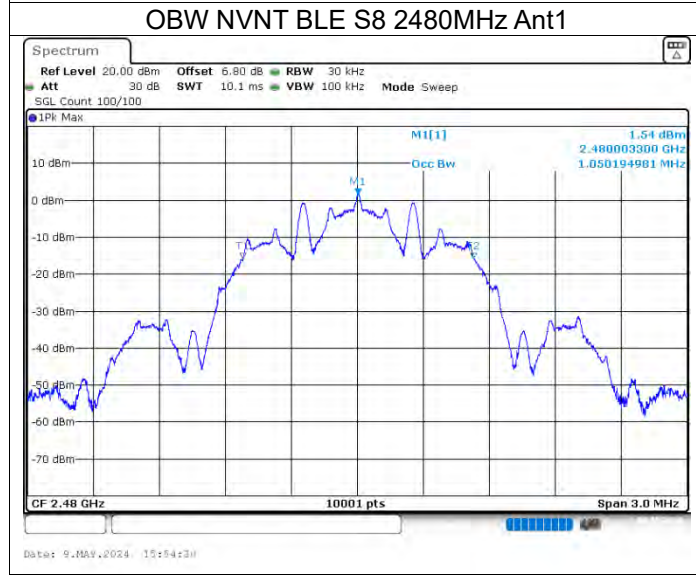
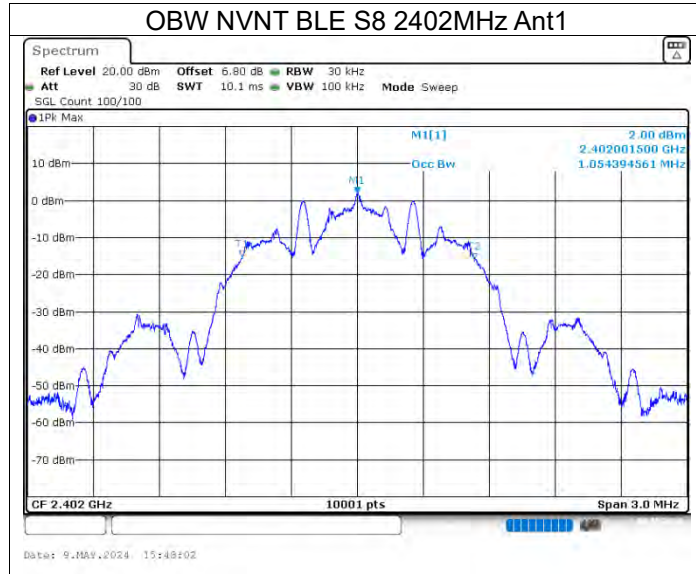


Reference No.: W7L-240507W001RF02





Reference No.: W7L-240507W001RF02





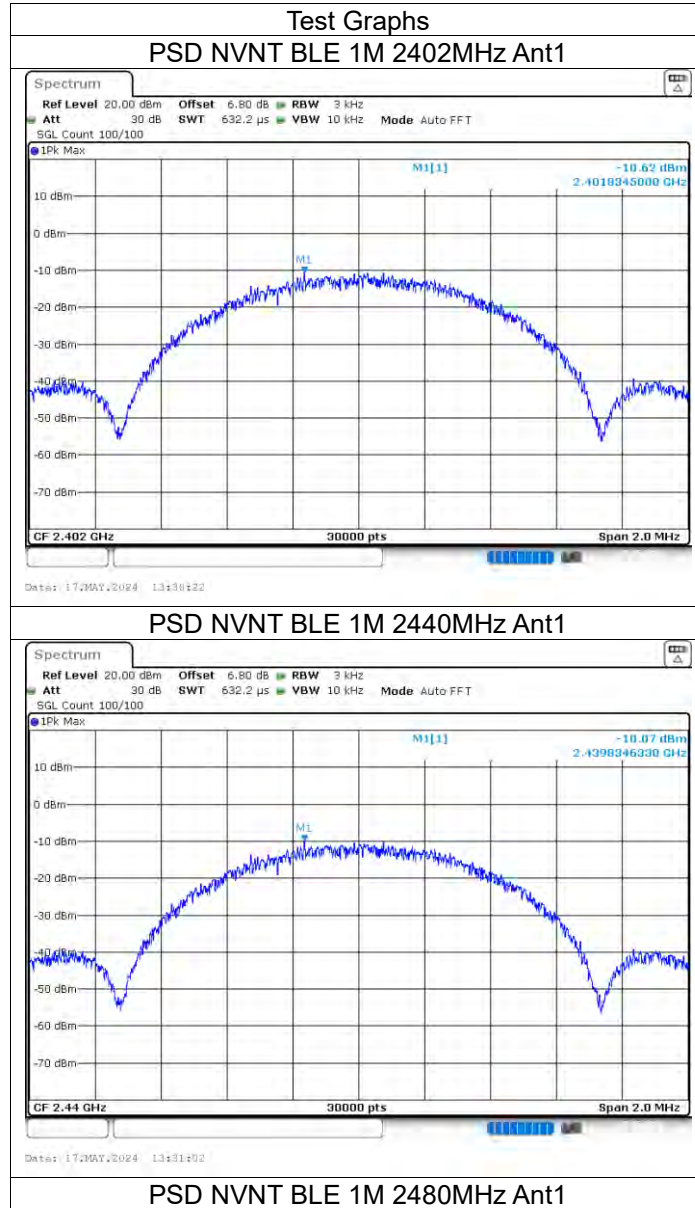
Reference No.: W7L-240507W001RF02

## 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

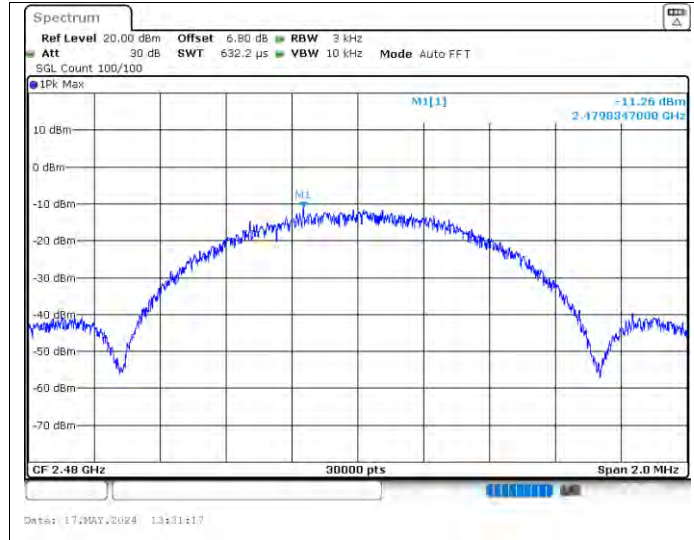


Reference No.: W7L-240507W001RF02



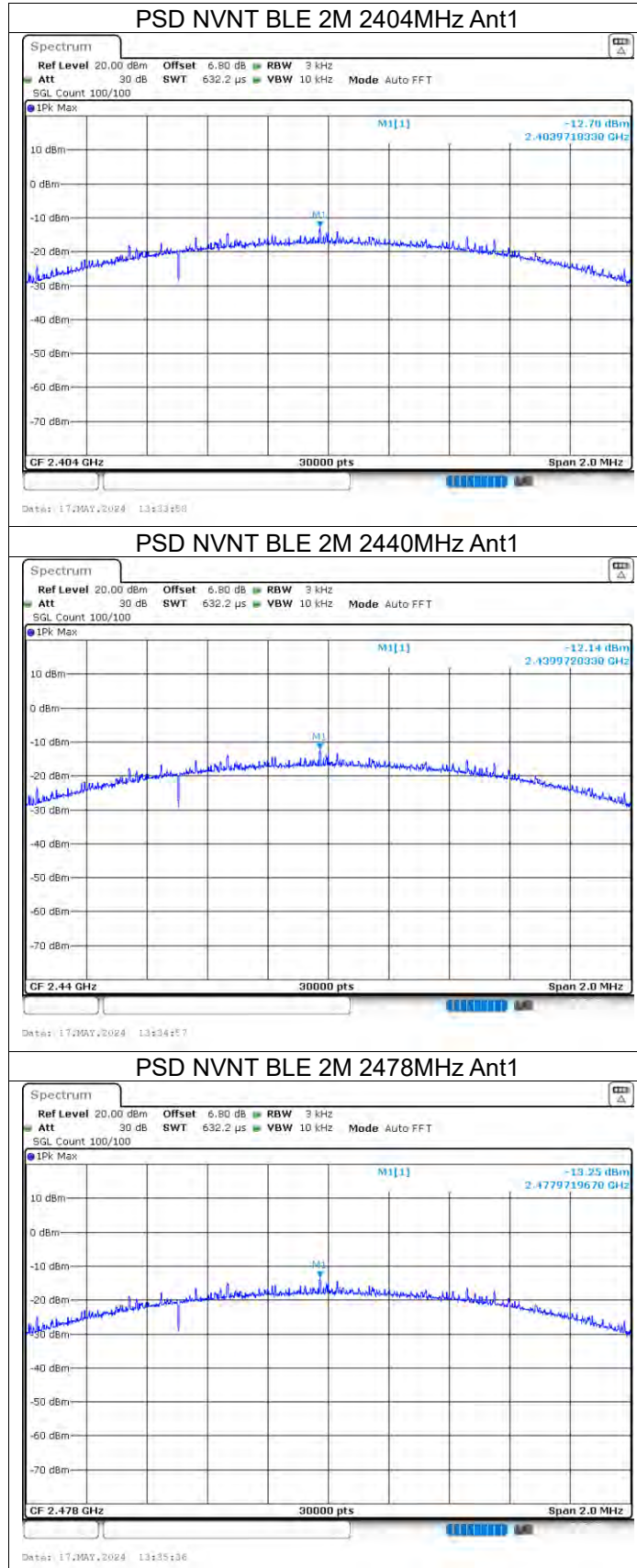


Reference No.: W7L-240507W001RF02





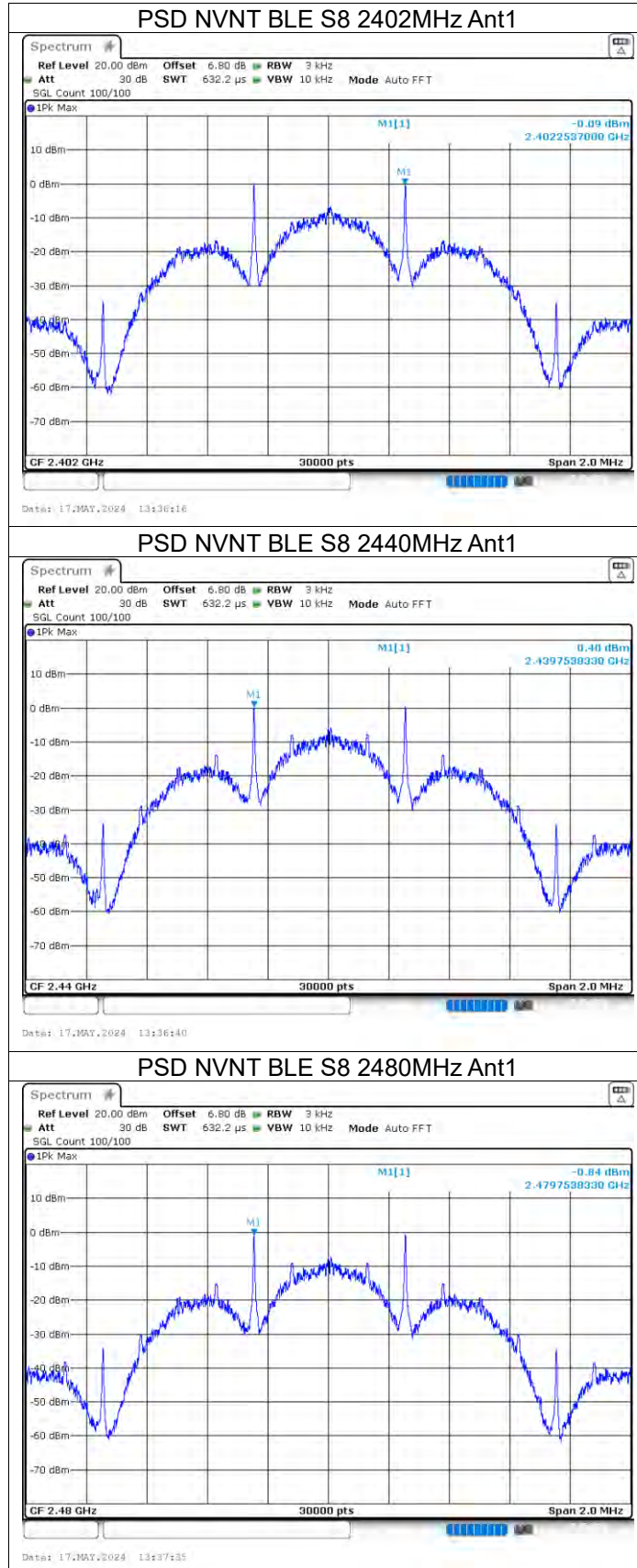
Reference No.: W7L-240507W001RF02





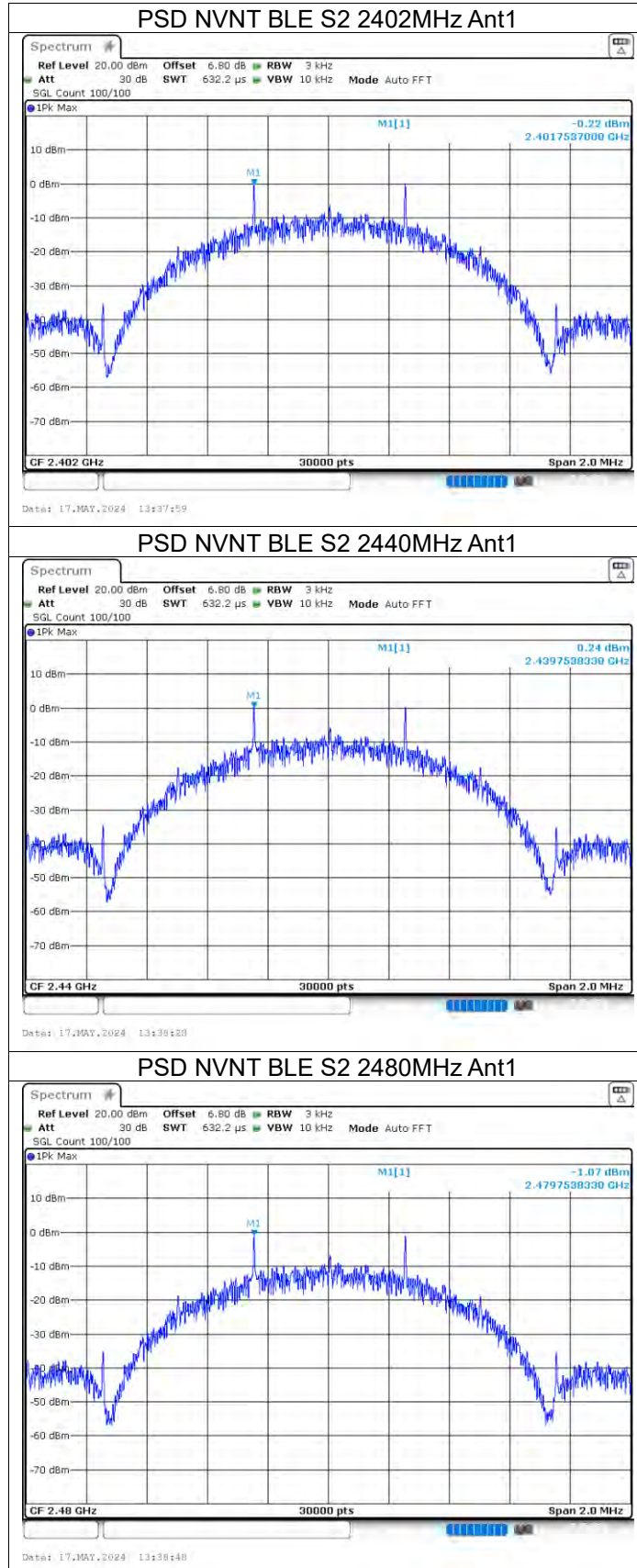


Reference No.: W7L-240507W001RF02





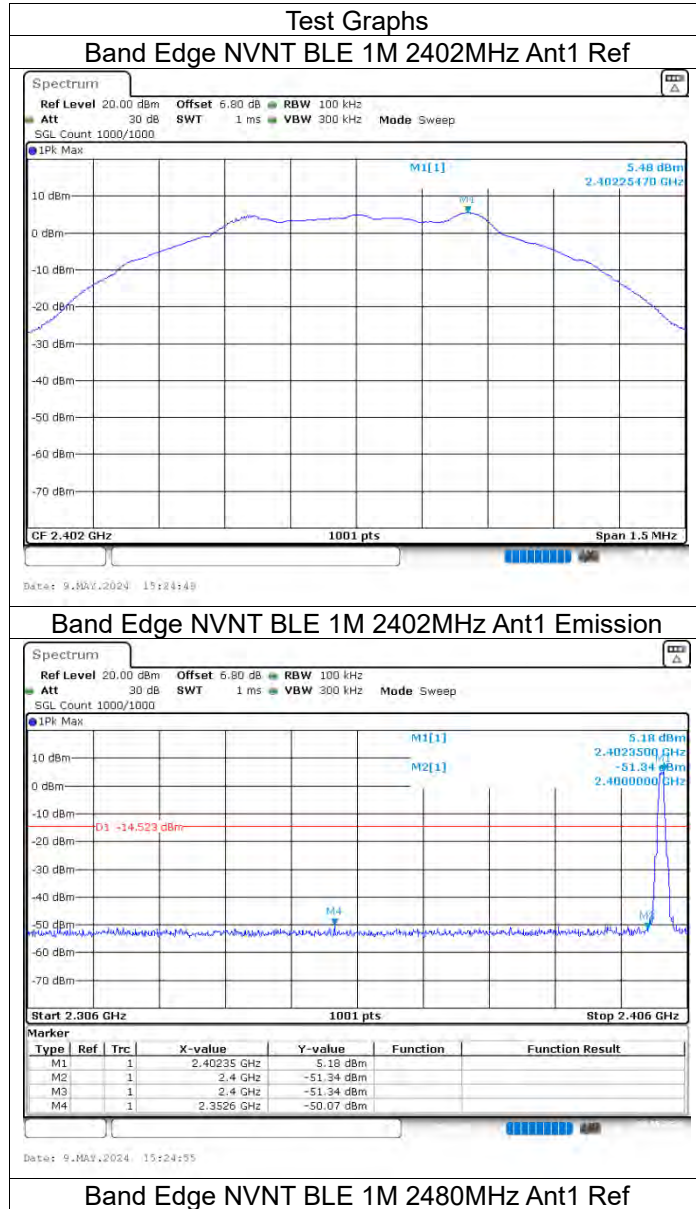
Reference No.: W7L-240507W001RF02





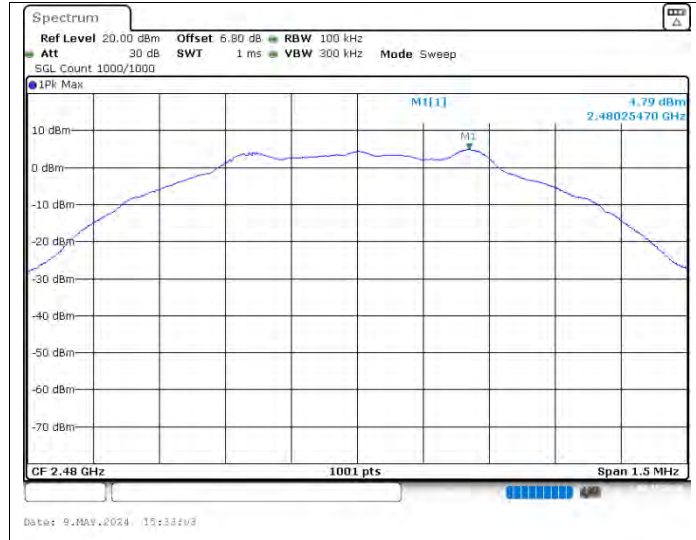
Reference No.: W7L-240507W001RF02

# BAND EDGE



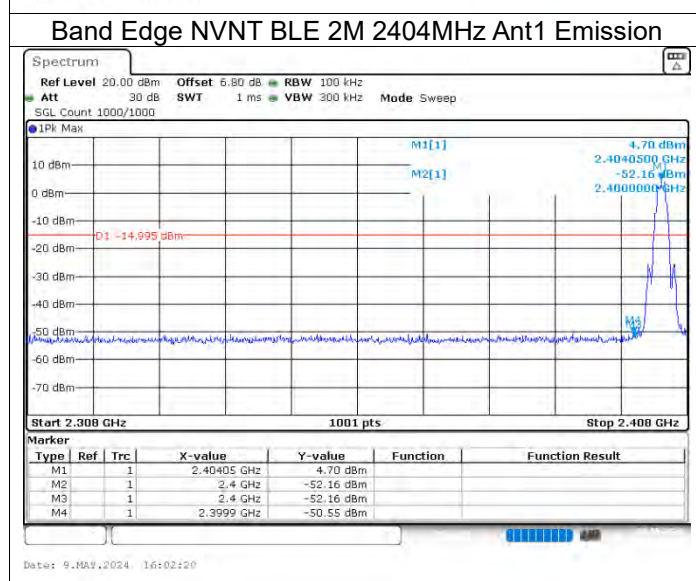
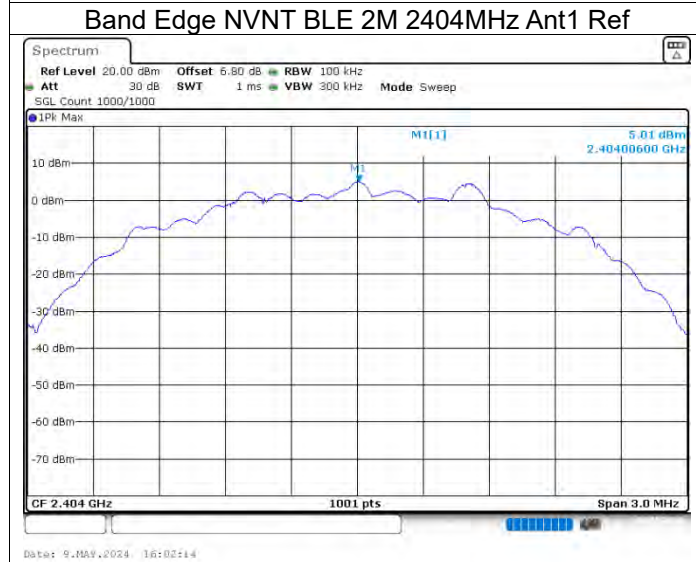
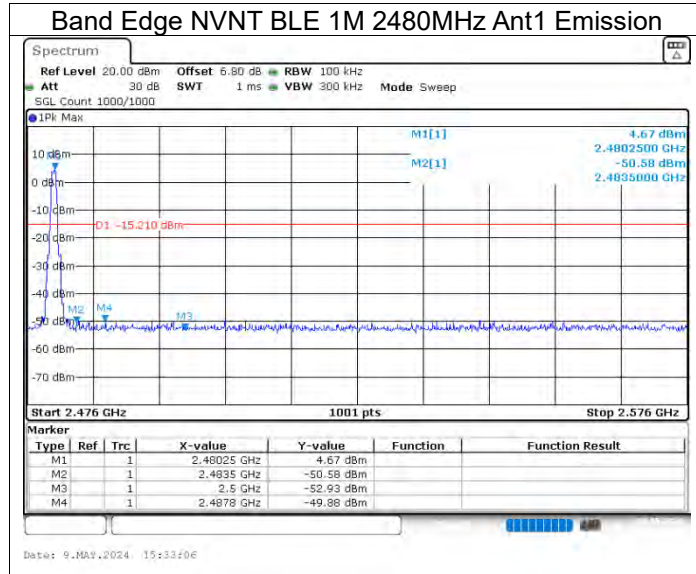


Reference No.: W7L-240507W001RF02





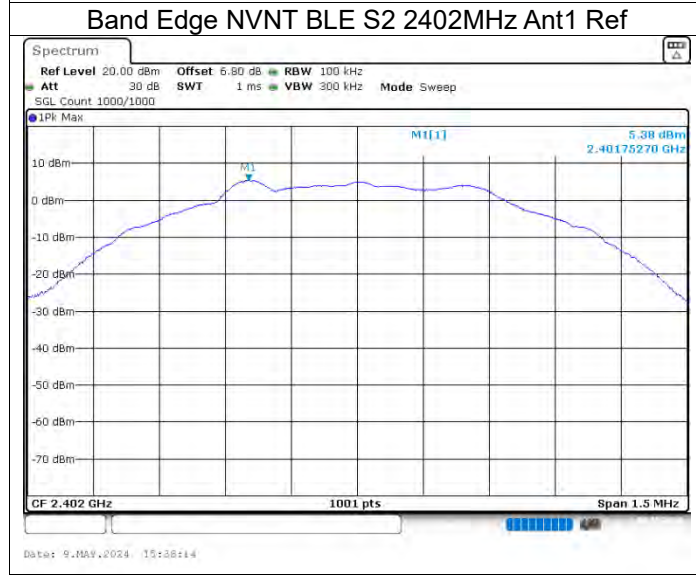
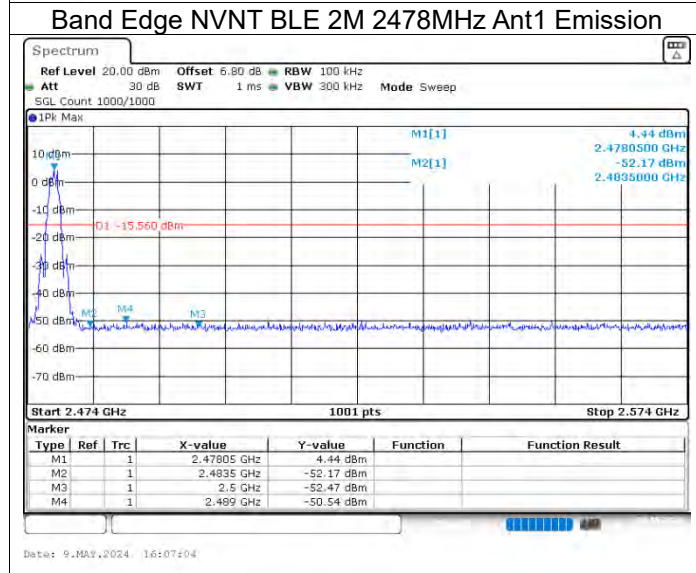
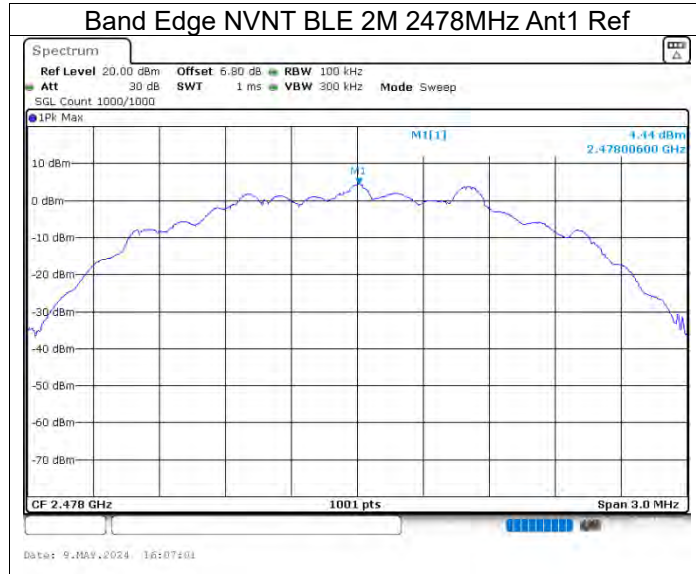
Reference No.: W7L-240507W001RF02







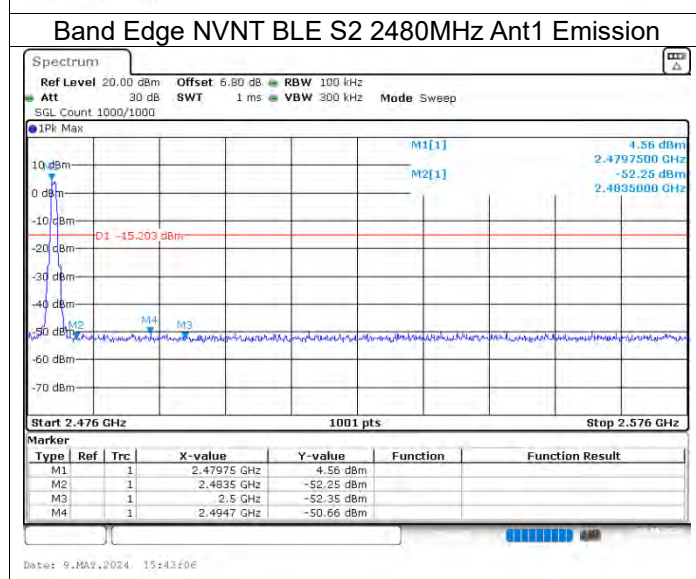
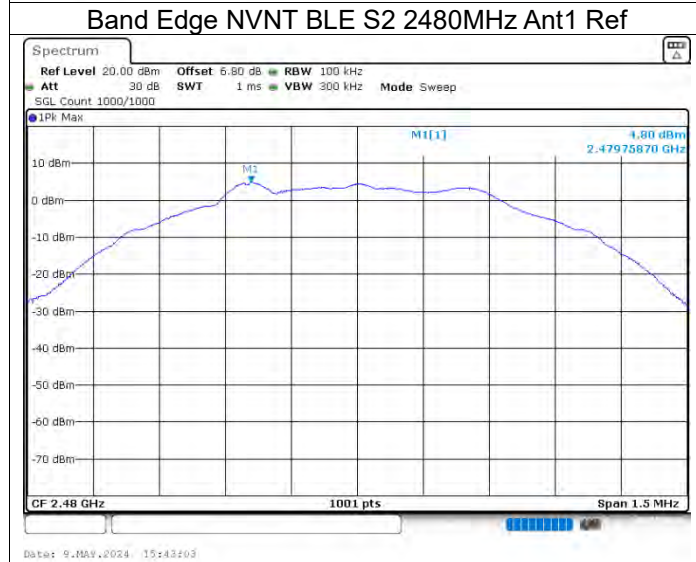
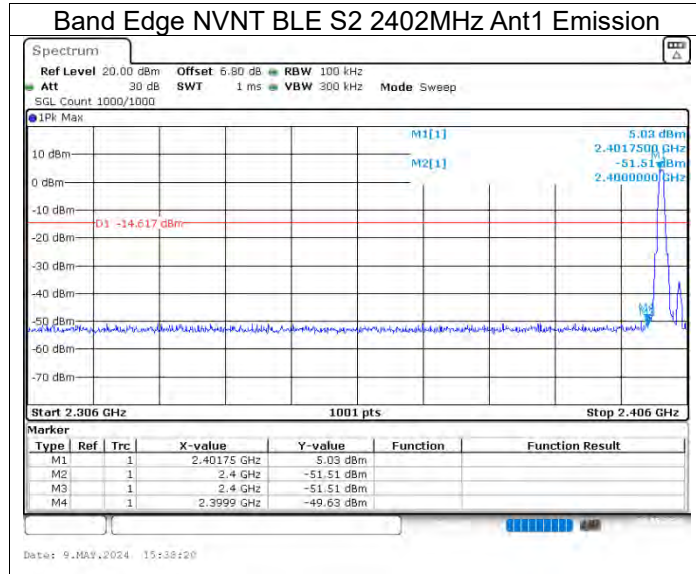
Reference No.: W7L-240507W001RF02





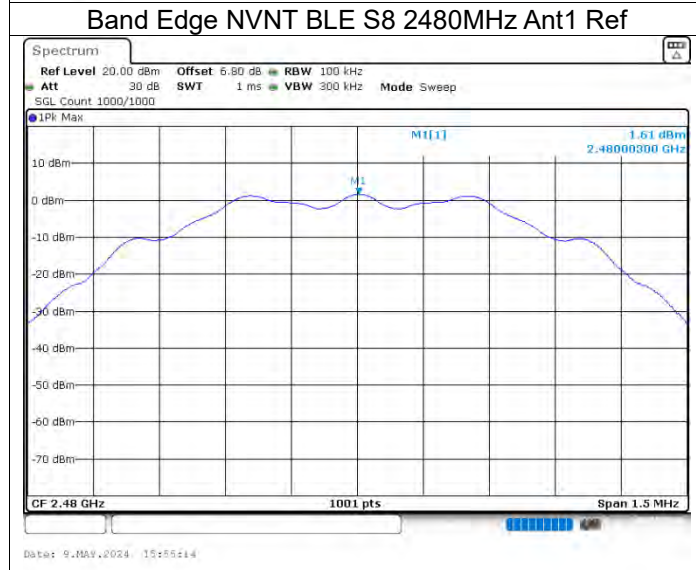
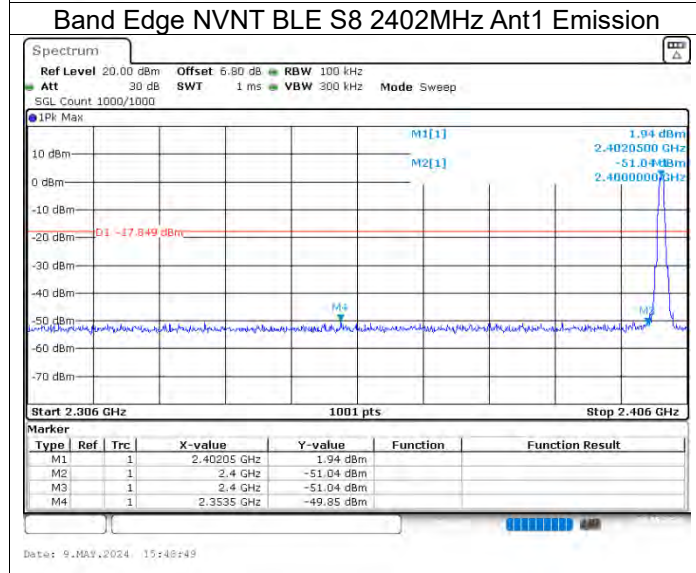
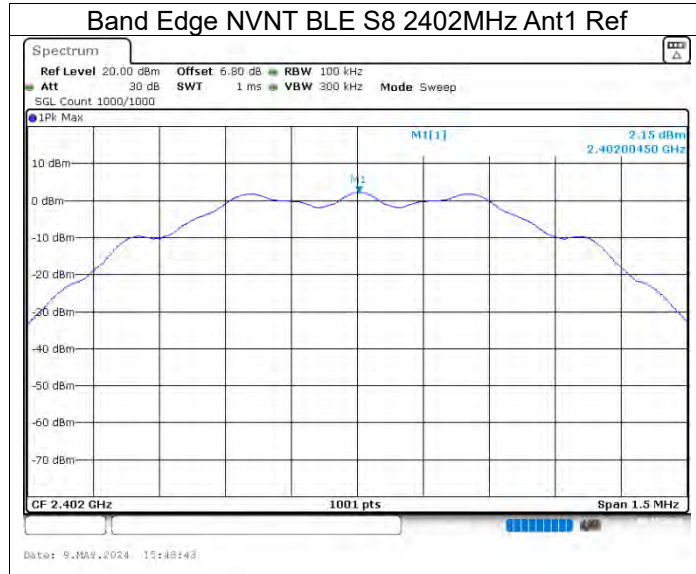


Reference No.: W7L-240507W001RF02



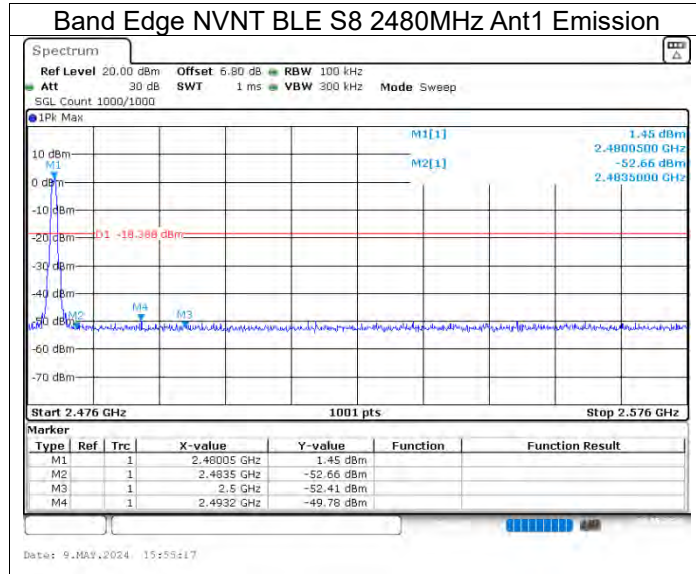


Reference No.: W7L-240507W001RF02





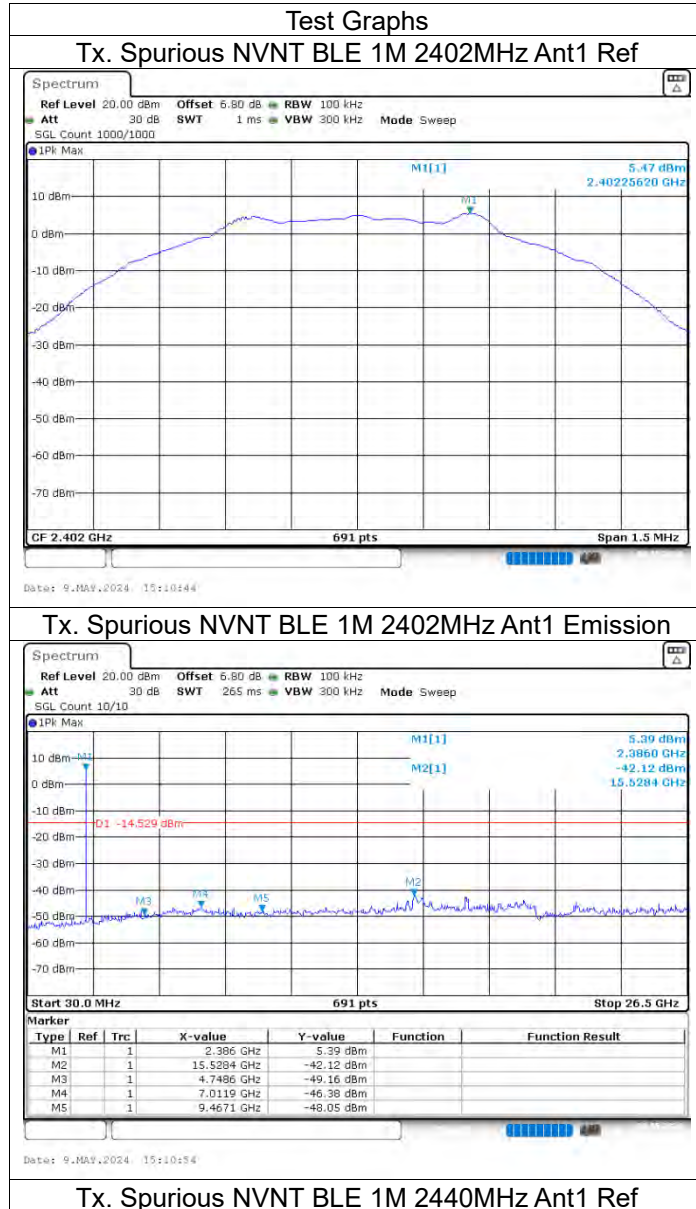
Reference No.: W7L-240507W001RF02





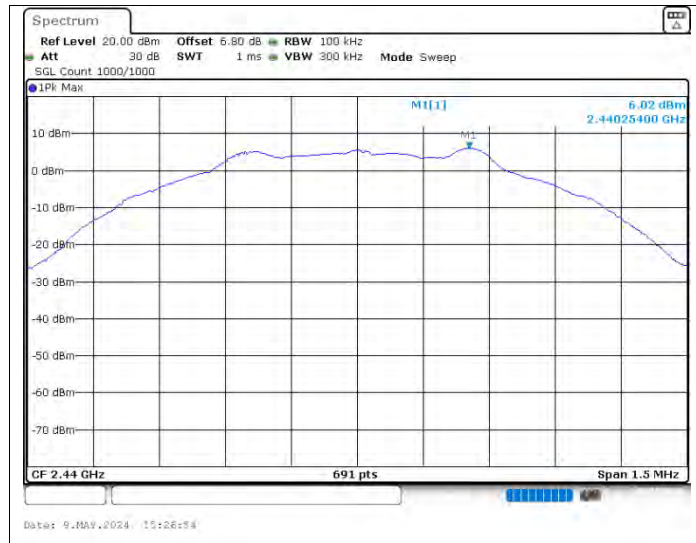
Reference No.: W7L-240507W001RF02

## CONDUCTED RF SPURIOUS EMISSION





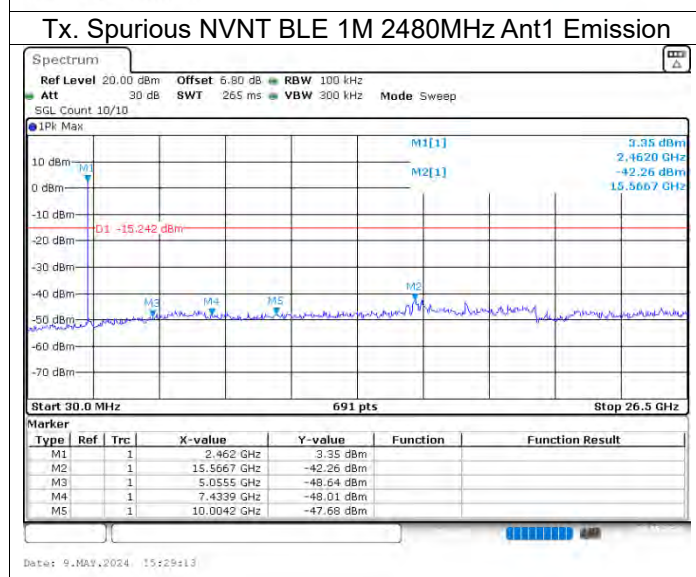
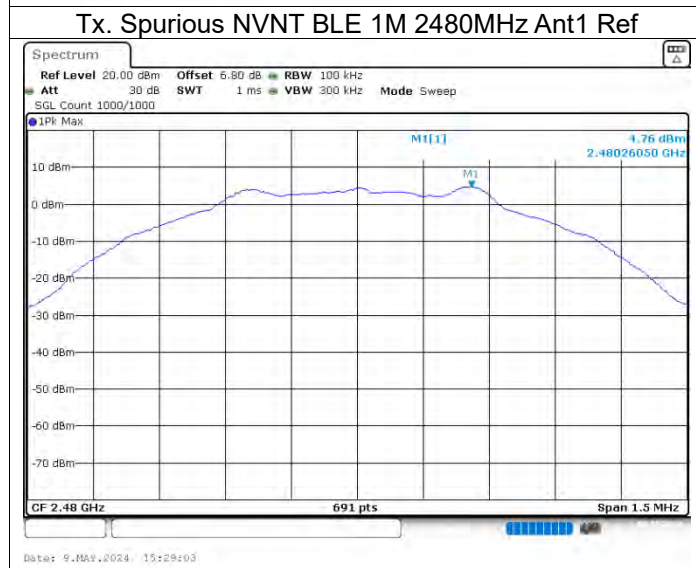
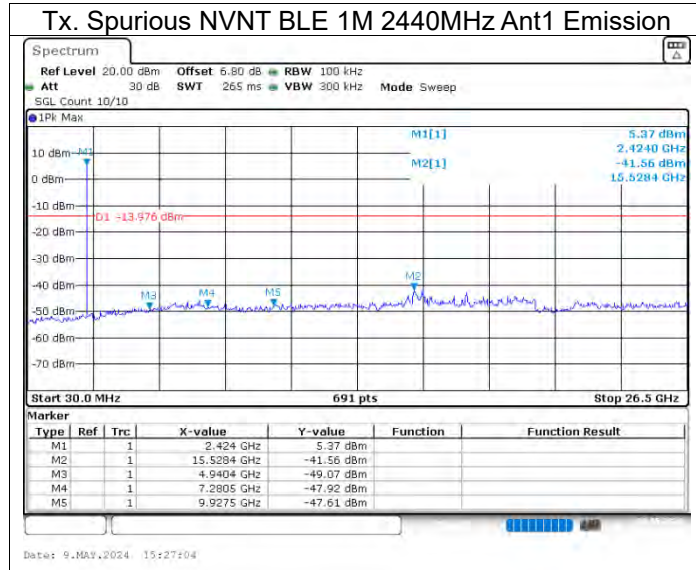
Reference No.: W7L-240507W001RF02







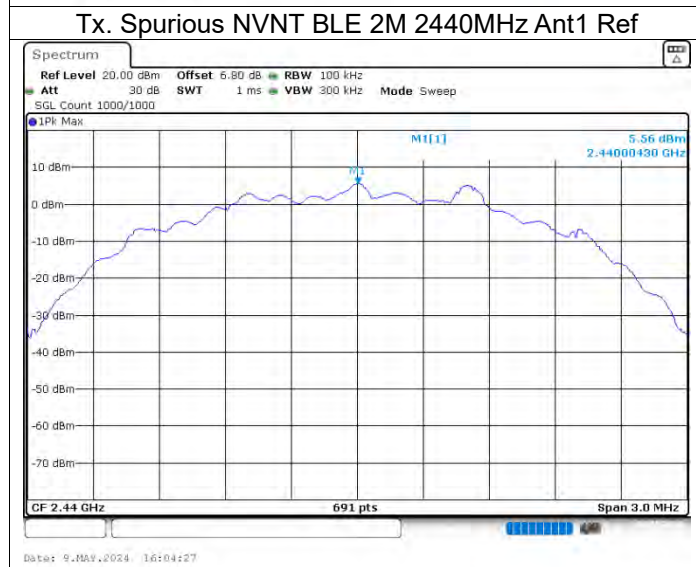
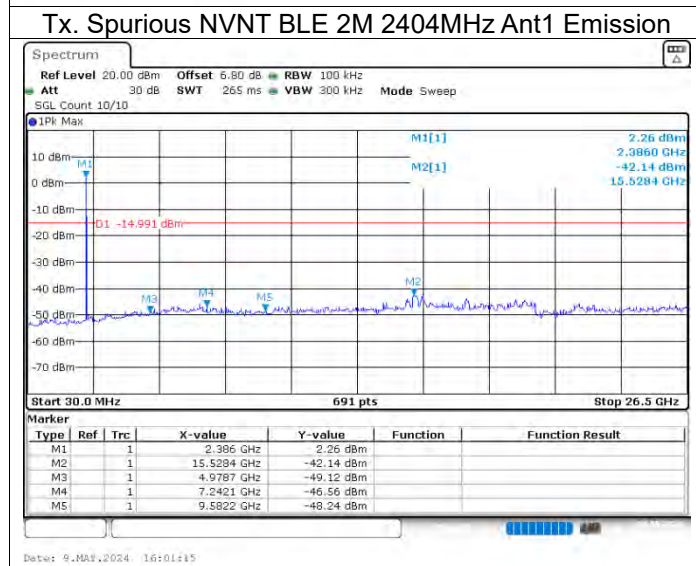
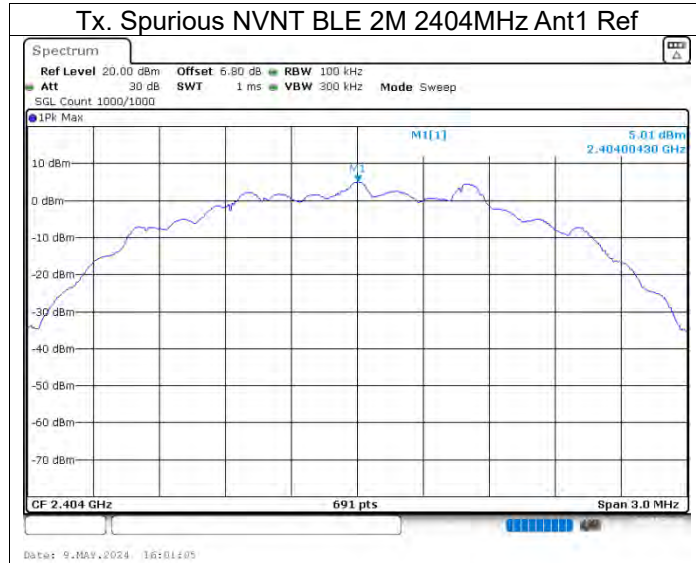
Reference No.: W7L-240507W001RF02





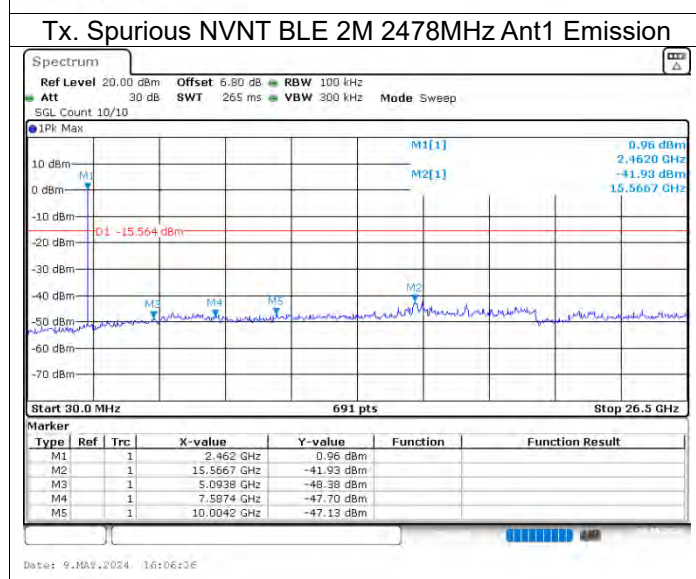
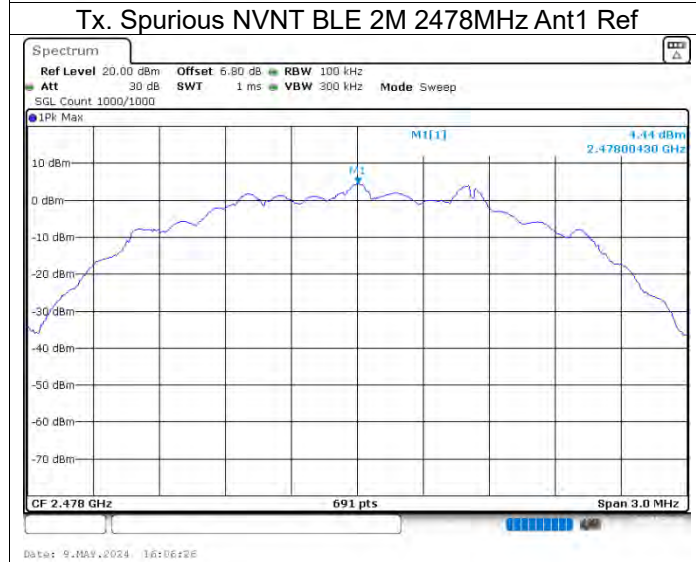
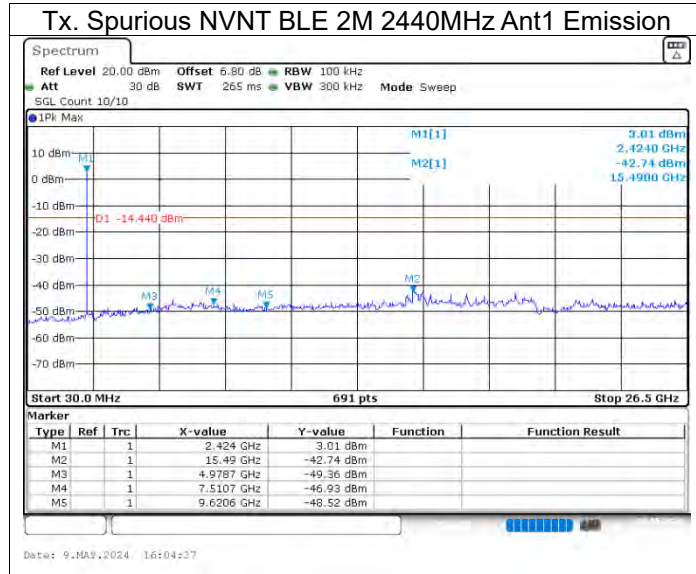


Reference No.: W7L-240507W001RF02



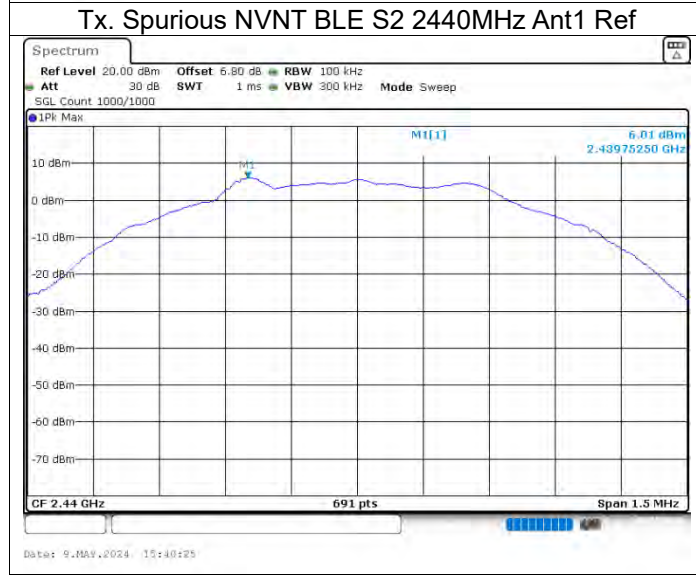
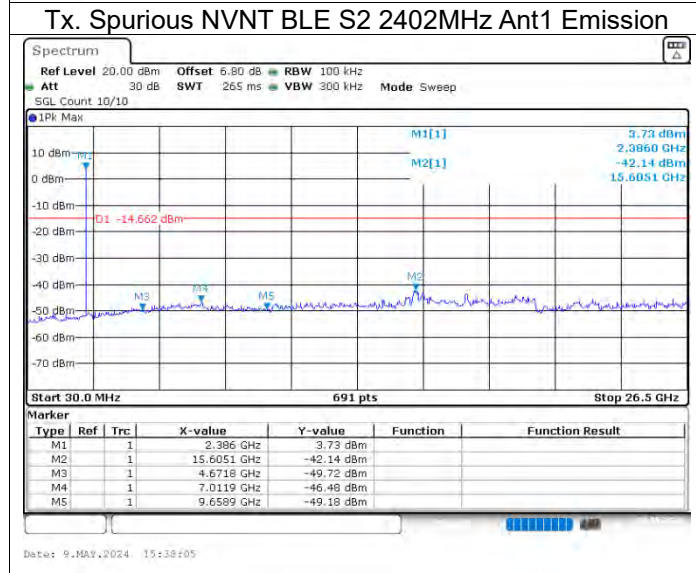
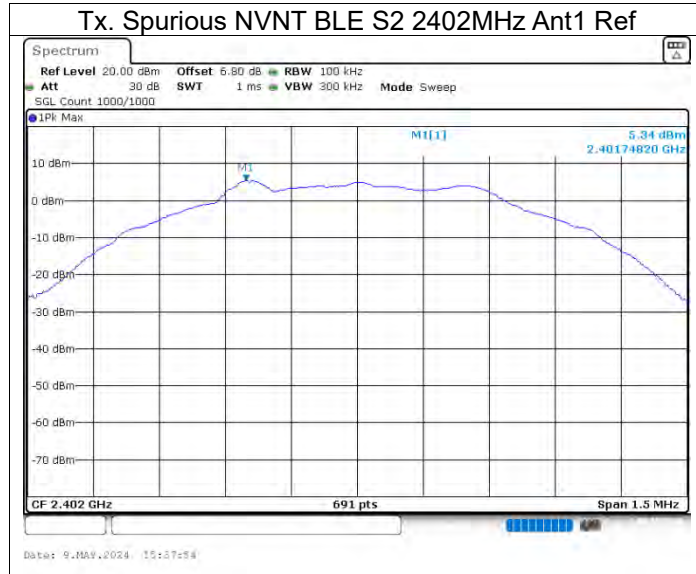


Reference No.: W7L-240507W001RF02



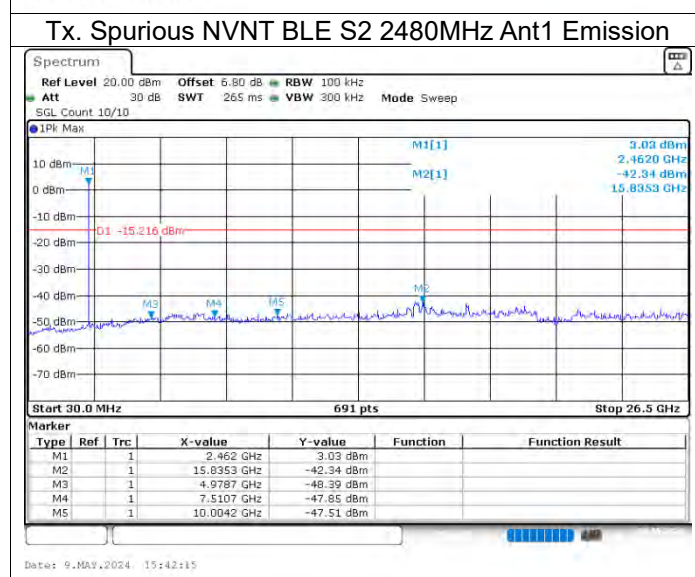
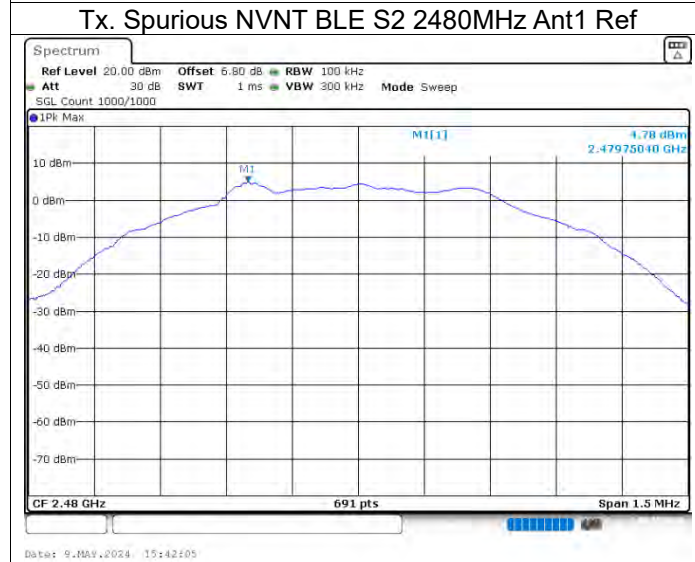
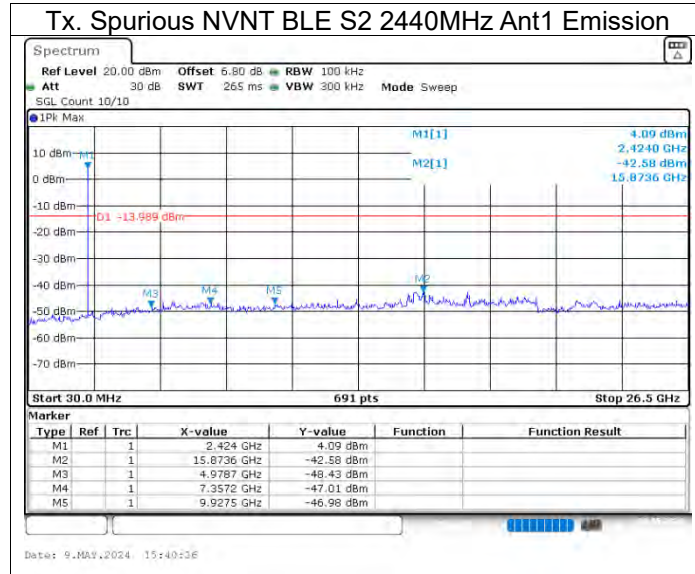


Reference No.: W7L-240507W001RF02





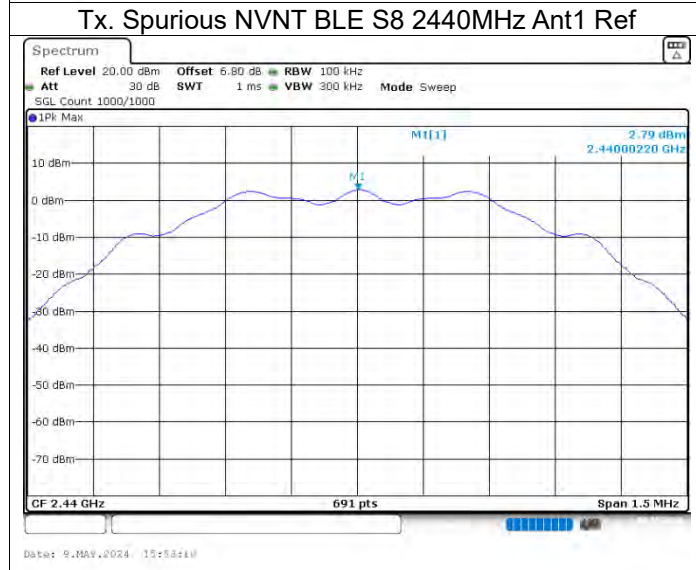
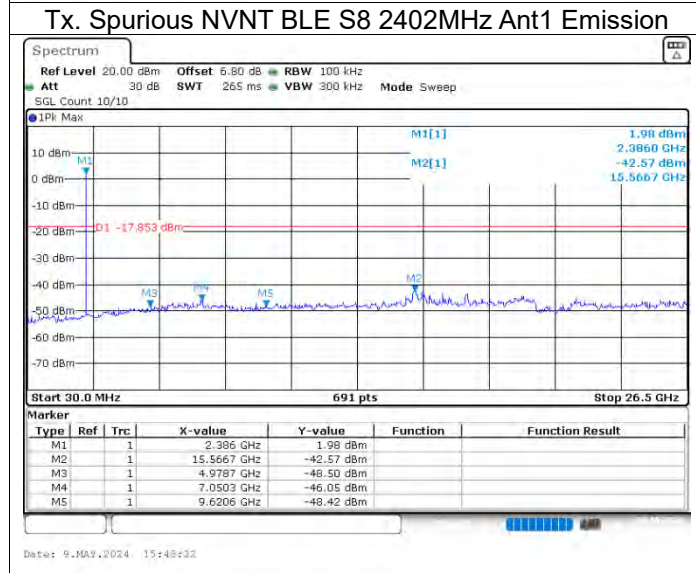
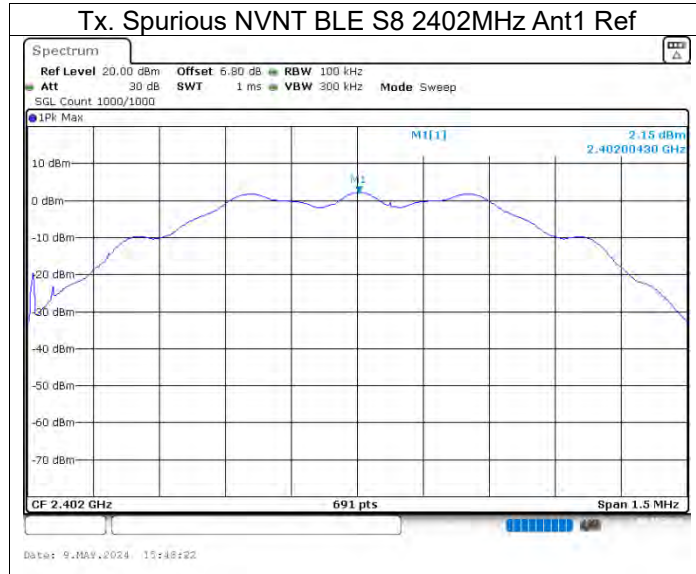
Reference No.: W7L-240507W001RF02







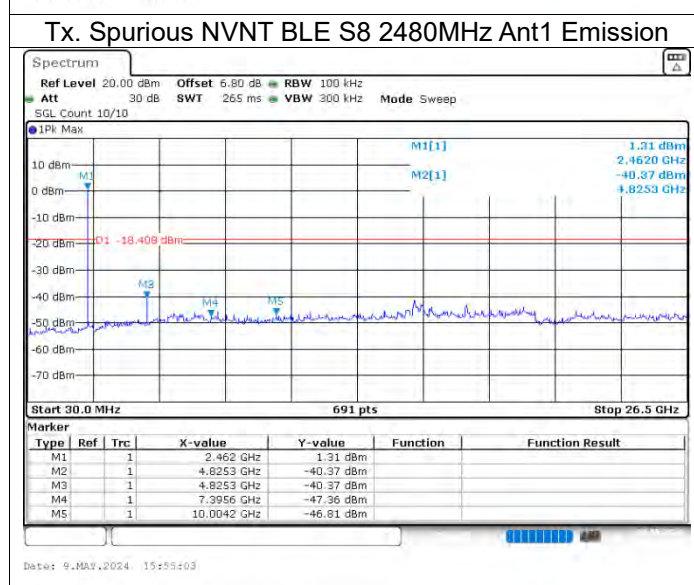
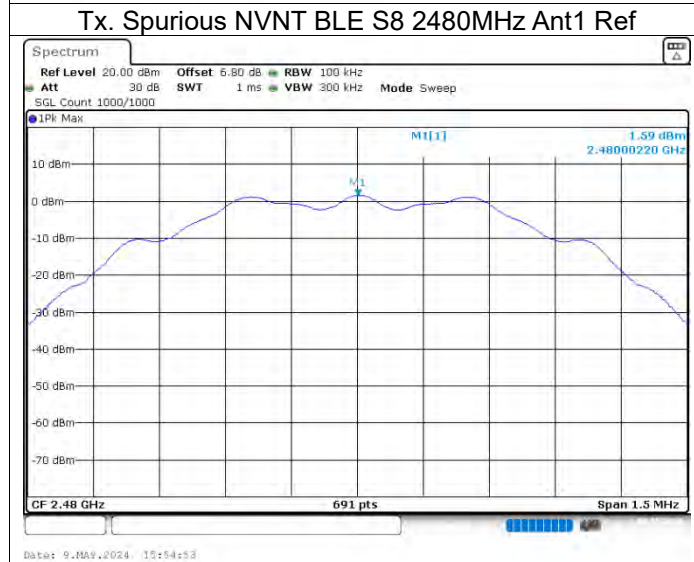
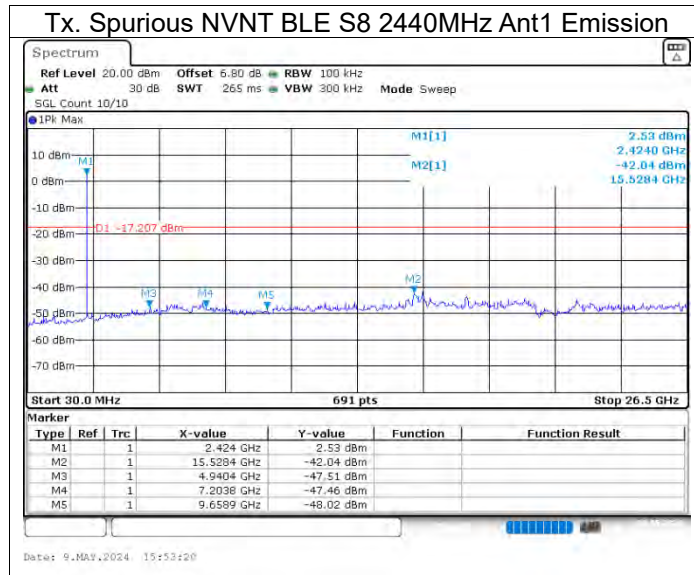
Reference No.: W7L-240507W001RF02







Reference No.: W7L-240507W001RF02



---END---