

Appendix B: Test Results of 2.4GHz SDR

APPENDIX B: TEST RESULTS OF 2.4GHZ SDR.....	1
APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
2.4GHZ SDR, 1.4MHZ BW.....	2
2.4GHZ SDR, 1.4MHZ BW CA mode	3
2.4GHZ SDR, 3MHZ BW.....	4
2.4GHZ SDR, 3MHZ BW (CA Mode)	5
2.4GHZ SDR, 10MHZ BW.....	6
2.4GHZ SDR, 20MHZ BW.....	7
2.4GHZ SDR, 40MHZ BW.....	8
APPENDIX B.2: TEST RESULTS OF 6DB BANDWIDTH.....	9
2.4GHZ SDR, 1.4MHZ BW.....	9
2.4GHZ SDR, 1.4MHZ BW CA mode	10
2.4GHZ SDR, 3MHZ BW.....	11
2.4GHZ SDR, 3MHZ BW (CA Mode)	12
2.4GHZ SDR, 10MHZ BW.....	13
2.4GHZ SDR, 20MHZ BW.....	14
2.4GHZ SDR, 40MHZ BW.....	15
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH.....	16
2.4GHZ SDR, 1.4MHZ BW.....	16
2.4GHZ SDR, 1.4MHZ BW CA mode	17
2.4GHZ SDR, 3MHZ BW.....	18
2.4GHZ SDR, 3MHZ BW CA mode	19
2.4GHZ SDR, 10MHZ BW.....	20
2.4GHZ SDR, 20MHZ BW.....	21
2.4GHZ SDR, 40MHZ BW.....	22
APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH.....	23
2.4GHZ SDR, 1.4MHZ BW.....	23
2.4GHZ SDR, 1.4MHZ BW CA mode	29
2.4GHZ SDR, 3MHZ BW.....	33
2.4GHZ SDR, 3MHZ BW (CA Mode)	37
2.4GHZ SDR, 10MHZ BW.....	41
2.4GHZ SDR, 20MHZ BW.....	45
2.4GHZ SDR, 40MHZ BW.....	49
2.4GHZ SDR, 1.4MHZ BW Bandedge	53
2.4GHZ SDR, 1.4MHZ BW CA mode Bandedge	54
2.4GHZ SDR, 3MHZ BW Bandedge	55
2.4GHZ SDR, 3MHZ BW Bandedge (CA Mode).....	56
2.4GHZ SDR, 10MHZ BW Bandedge	57
2.4GHZ SDR, 20MHZ BW Bandedge	58
2.4GHZ SDR, 40MHZ BW Bandedge	59
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	60
30MHz - 1GHz (Worst case)	60
Above 1GHz.....	62
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	146

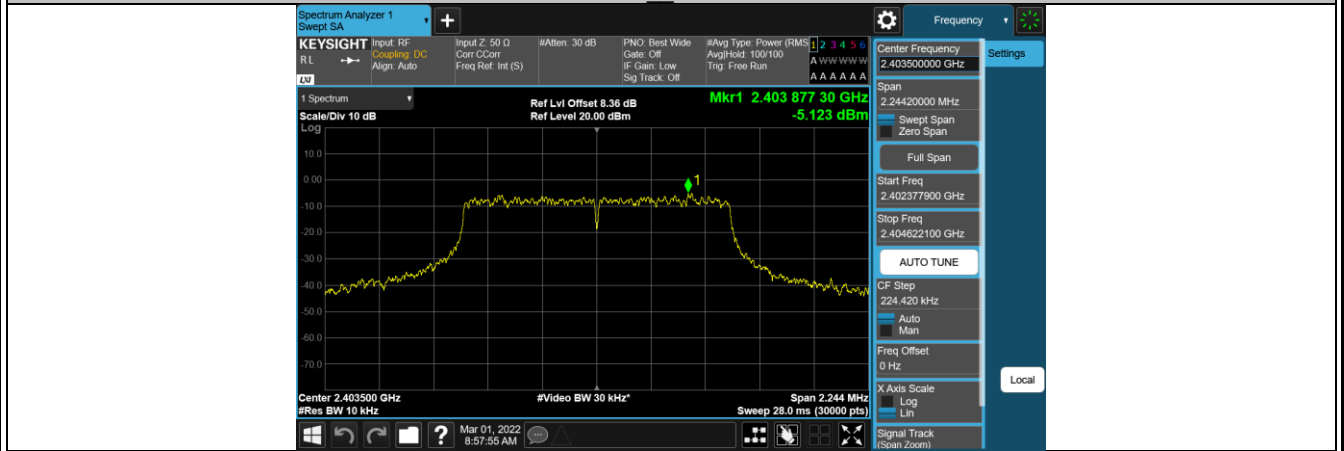
Appendix B.1: Test Results of Conducted Power Spectral Density

All Ant ports tested, only the worst-case reported.

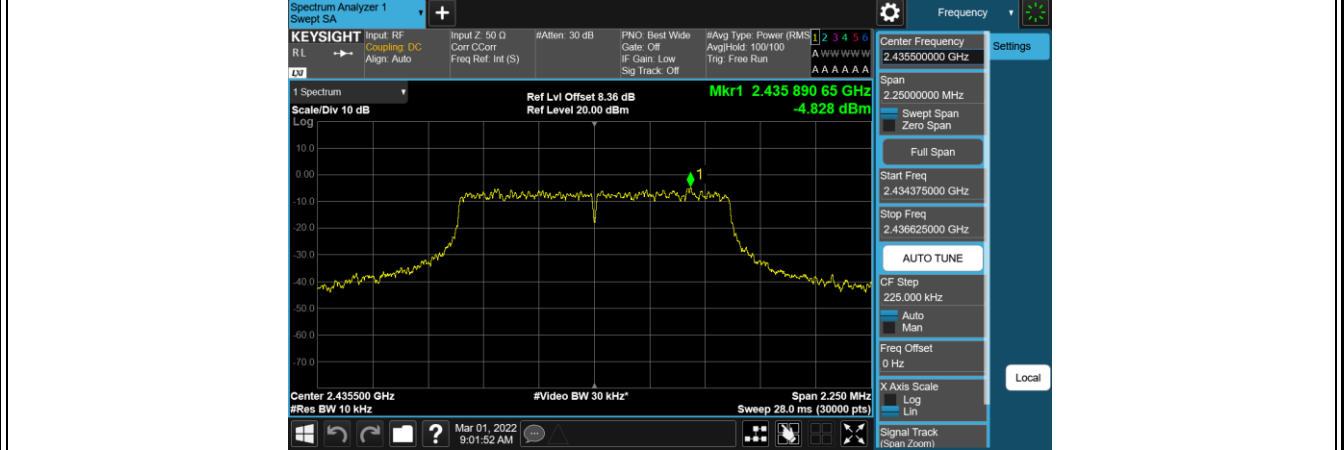
2.4GHz SDR, 1.4MHz BW

TestMode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
1.4M	2403.5	-5.12	≤8.00	PASS
	2435.5	-4.83	≤8.00	PASS
	2469.5	-5.1	≤8.00	PASS

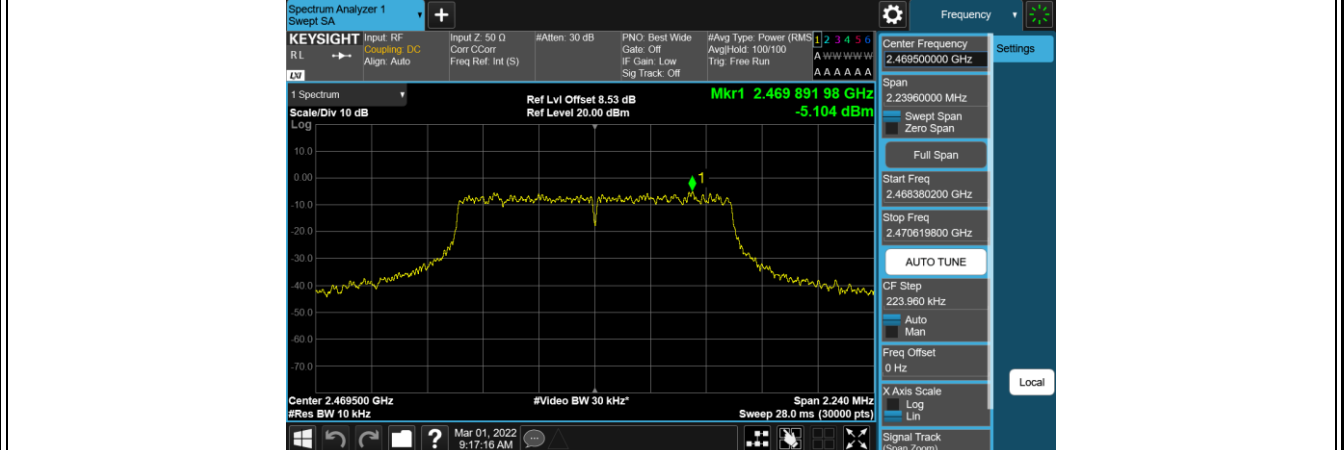
1.4M 2403.5



1.4M 2435.5

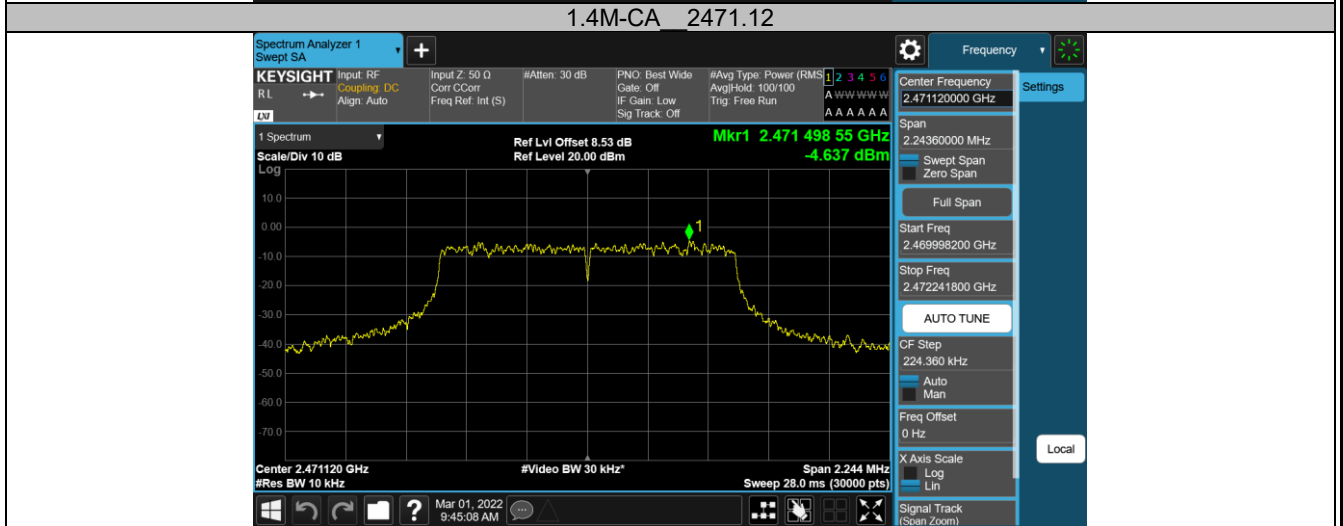
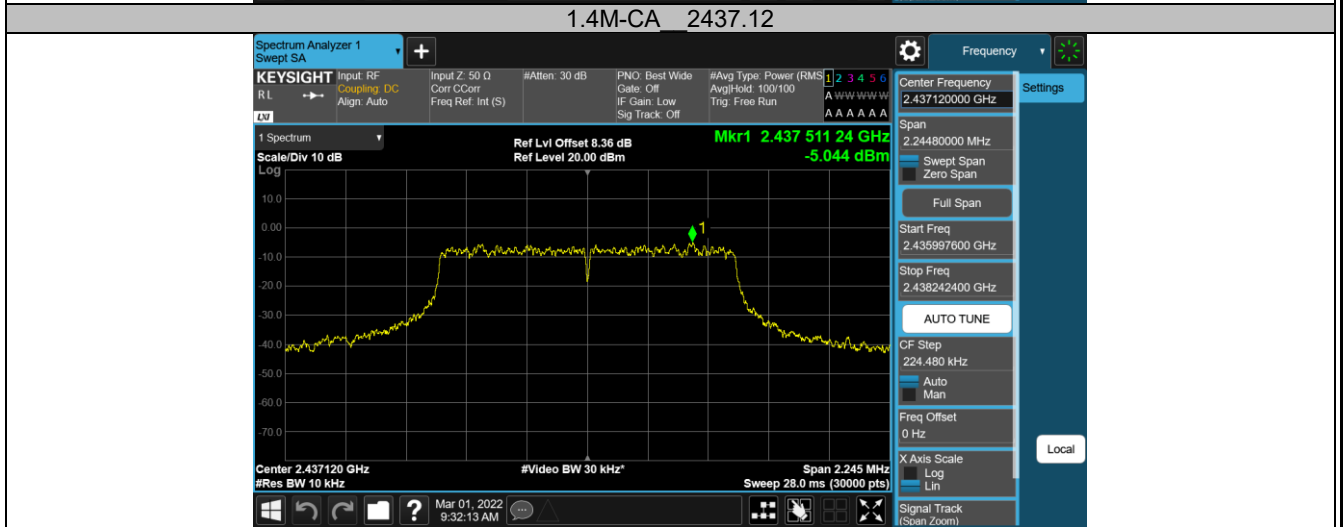
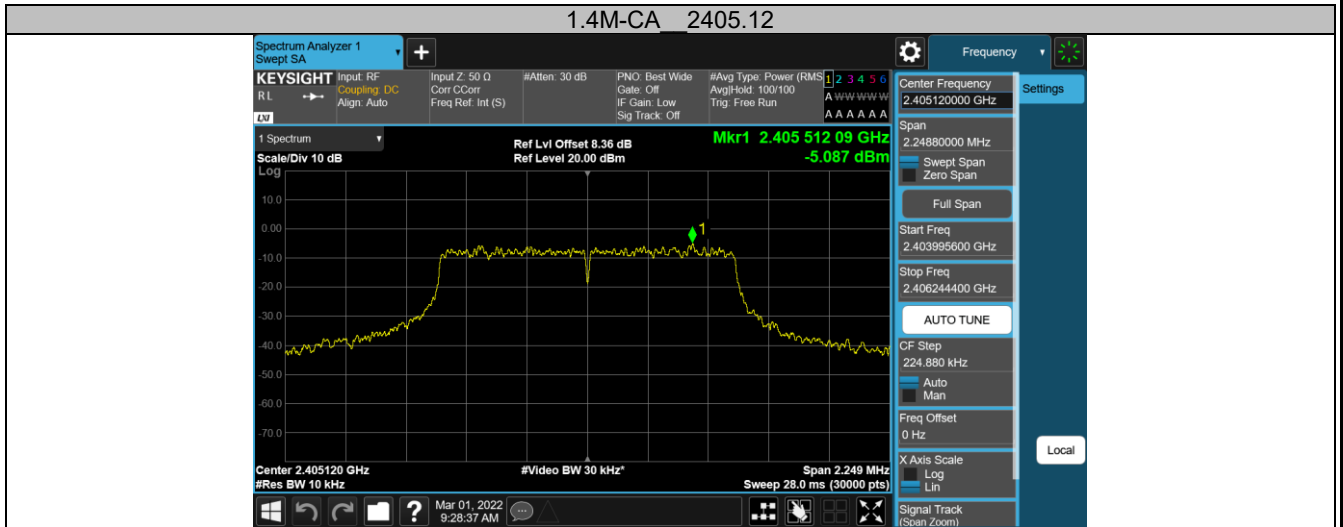


1.4M 2469.5



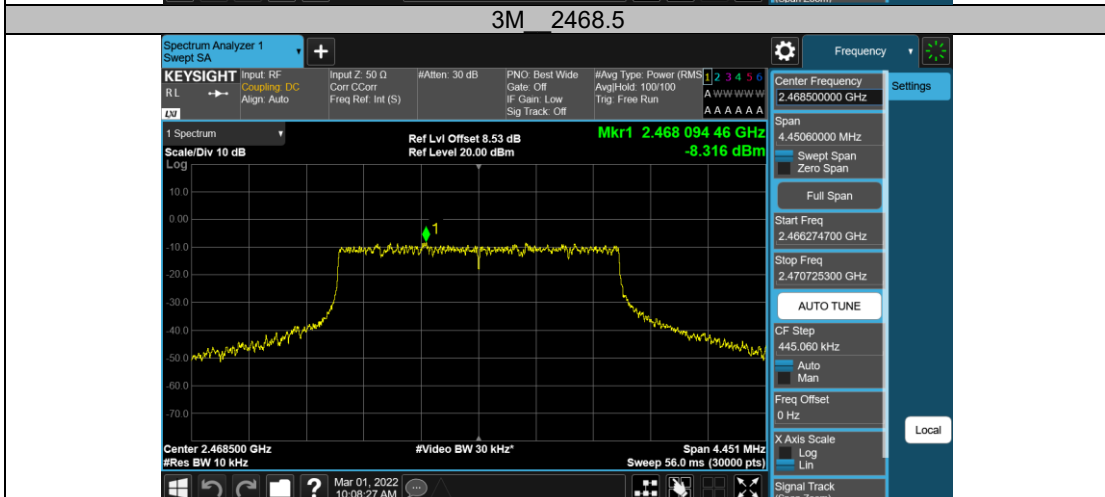
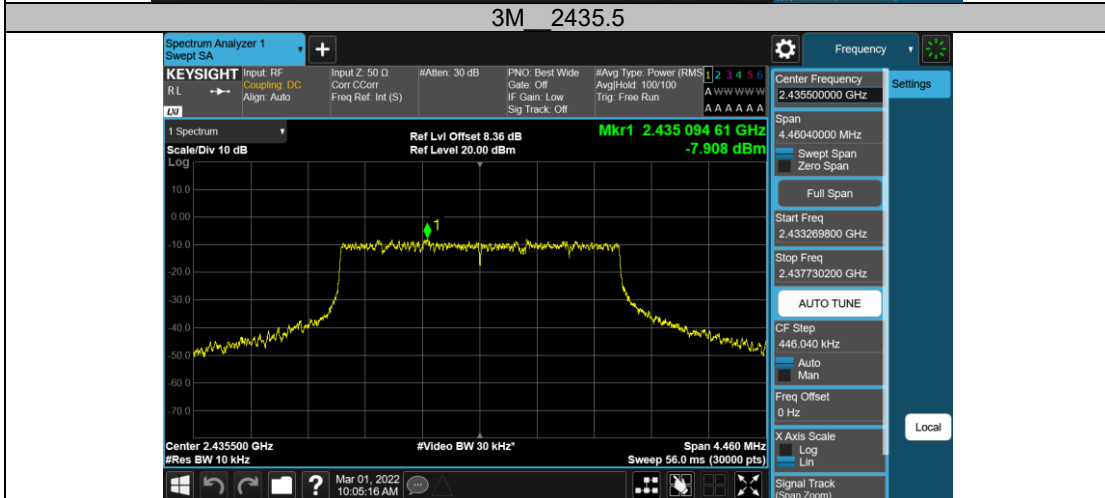
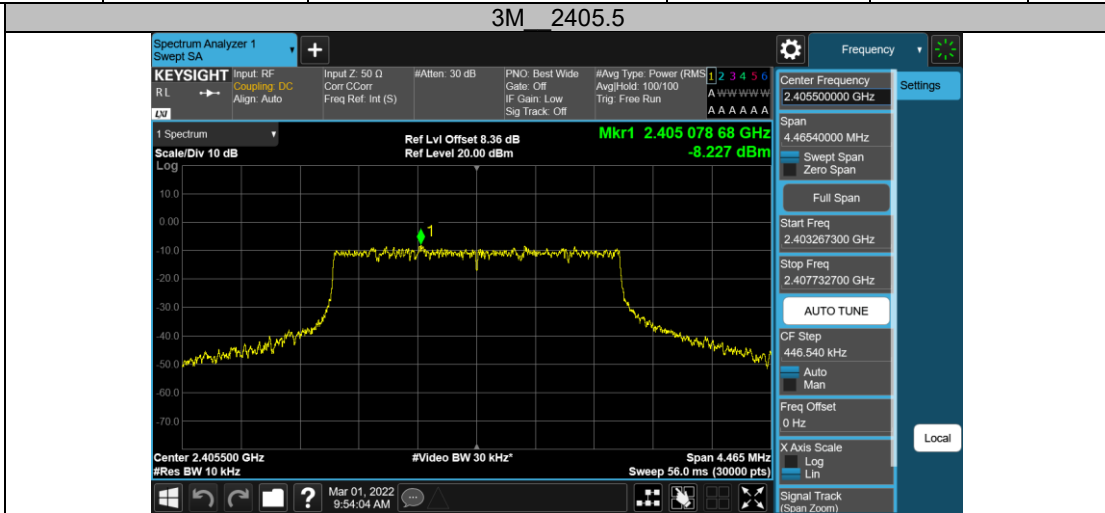
2.4GHz SDR, 1.4MHz BW CA mode

TestMode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
1.4M-CA	2405.12	-5.09	≤8.00	PASS
	2437.12	-5.04	≤8.00	PASS
	2471.12	-4.64	≤8.00	PASS



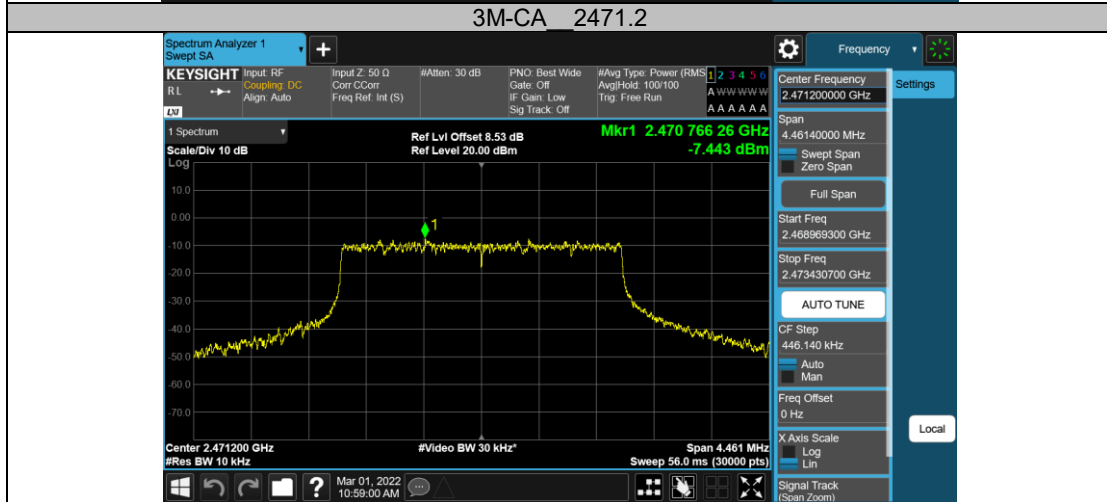
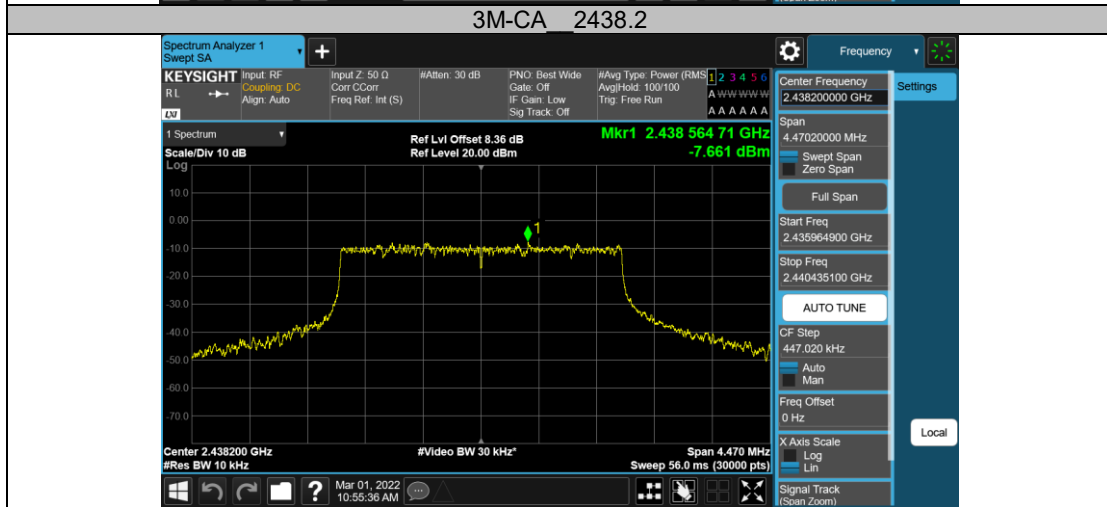
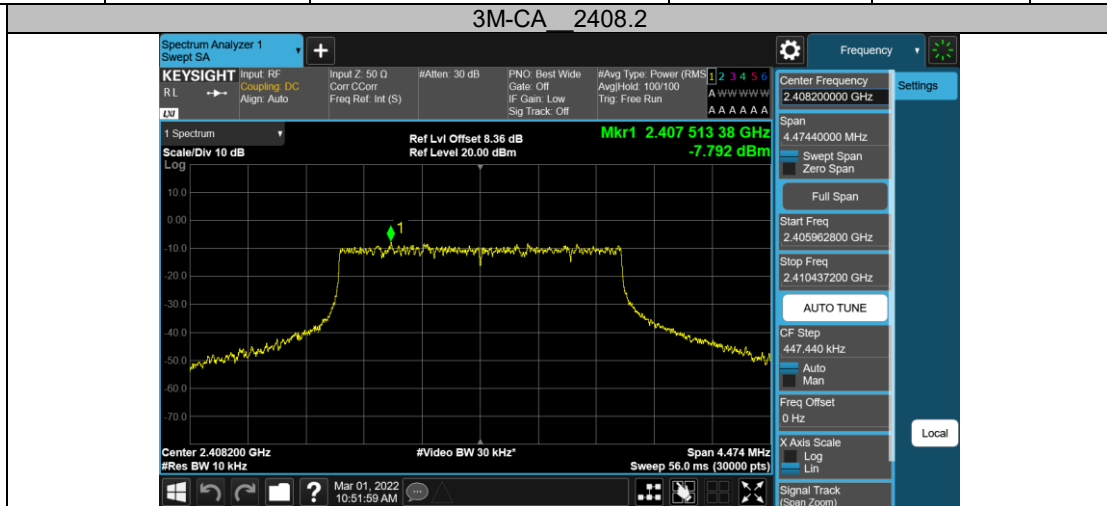
2.4GHz SDR, 3MHz BW

TestMode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
3M	2405.5	-8.23	≤8.00	PASS
	2435.5	-7.91	≤8.00	PASS
	2468.5	-8.32	≤8.00	PASS



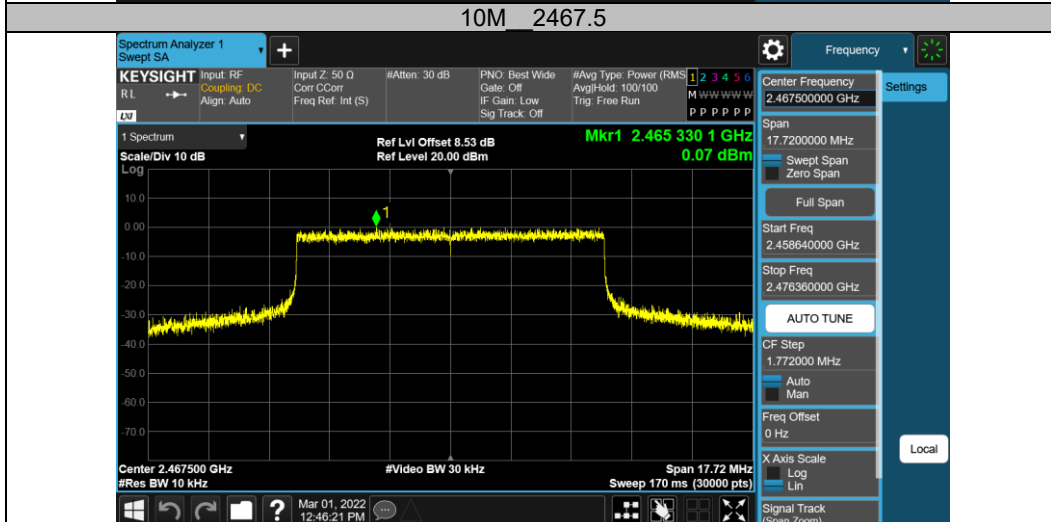
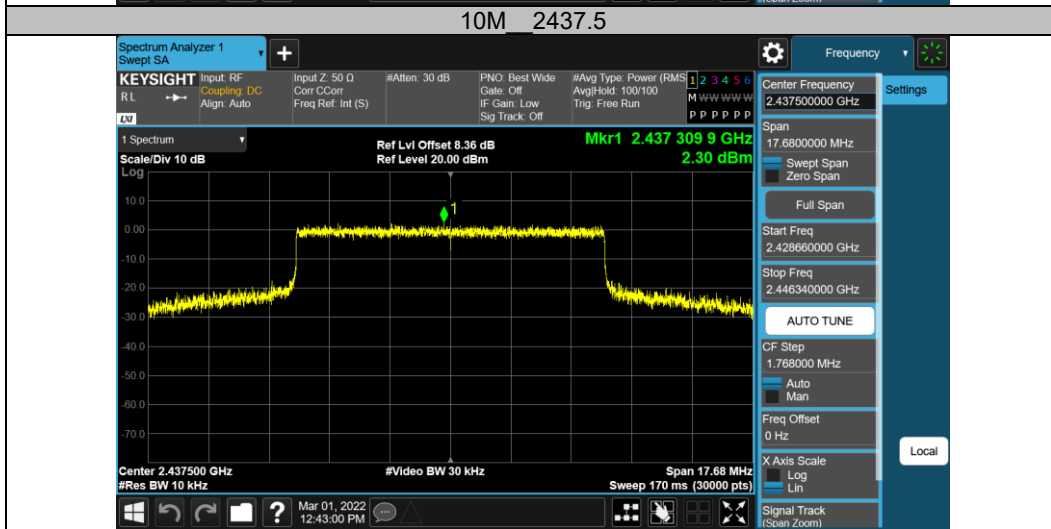
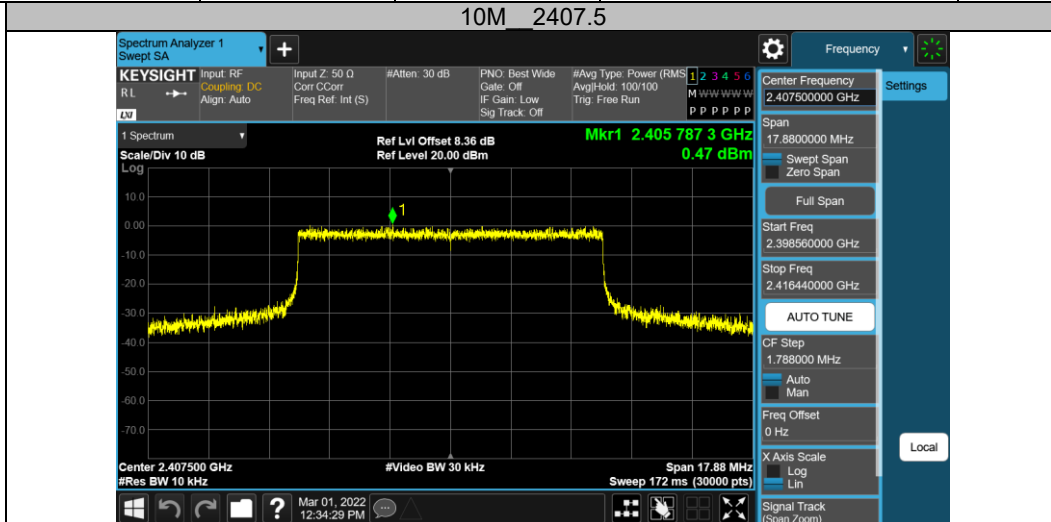
2.4GHz SDR, 3MHz BW (CA Mode)

TestMode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
3M	2408.2	-7.79	≤8.00	PASS
	2438.2	-7.66	≤8.00	PASS
	2471.2	-7.44	≤8.00	PASS



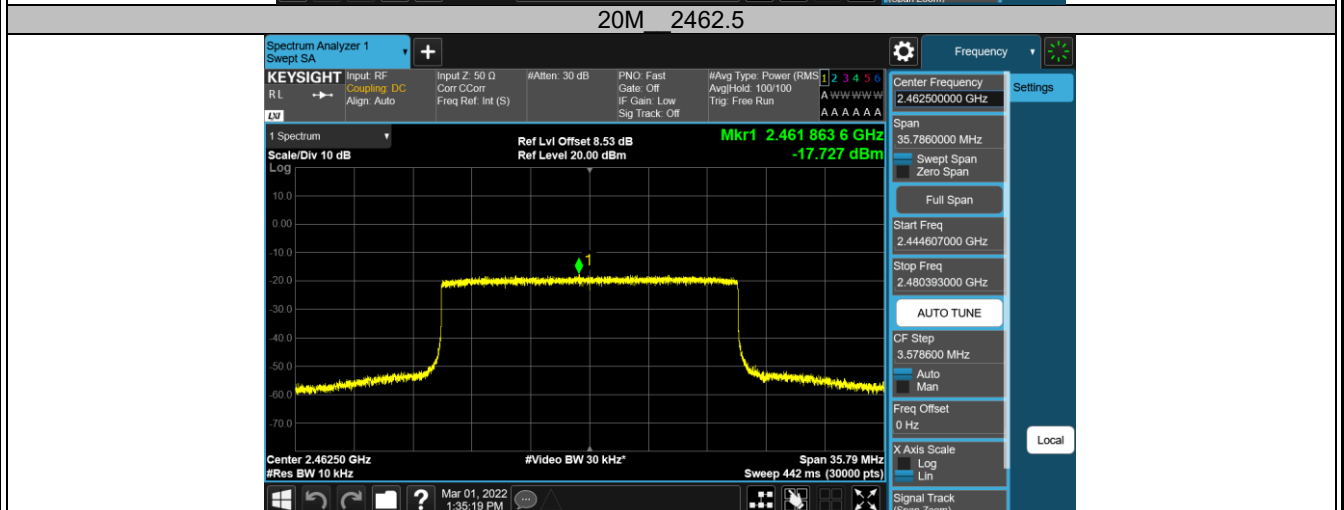
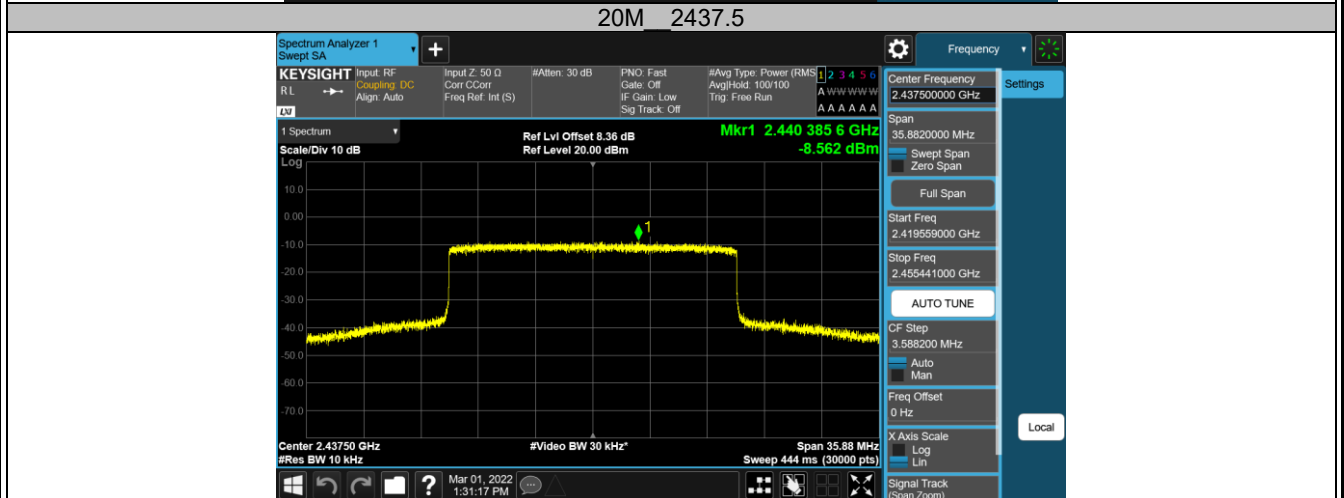
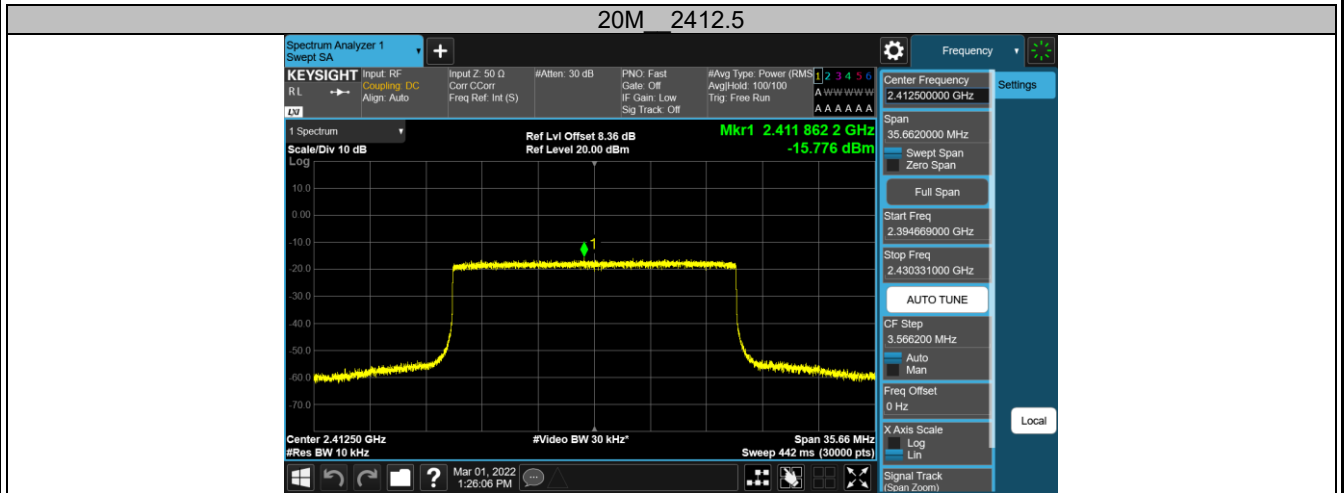
2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
10M		2407.5	0.47	≤8.00	PASS
		2437.5	2.3	≤8.00	PASS
		2467.5	0.07	≤8.00	PASS



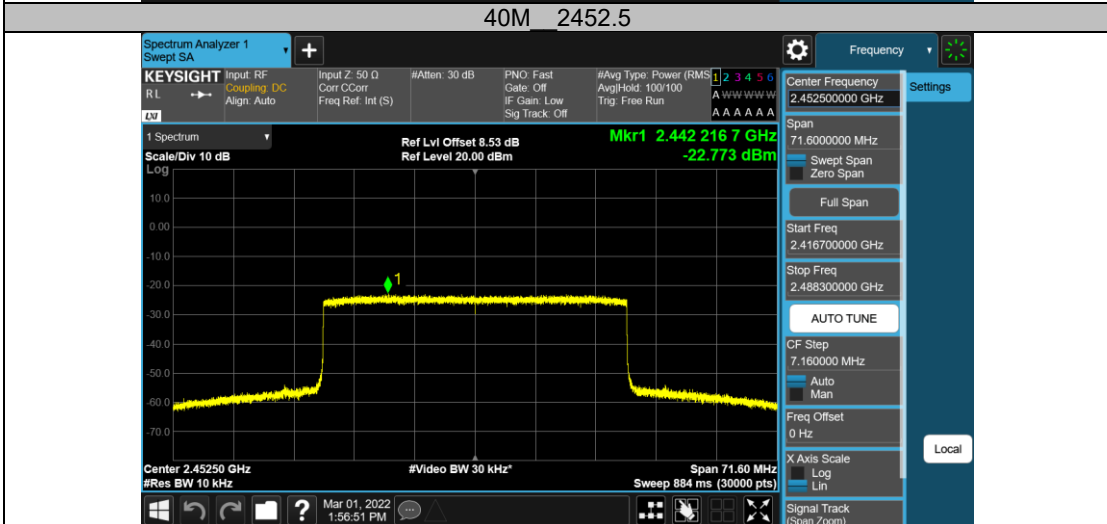
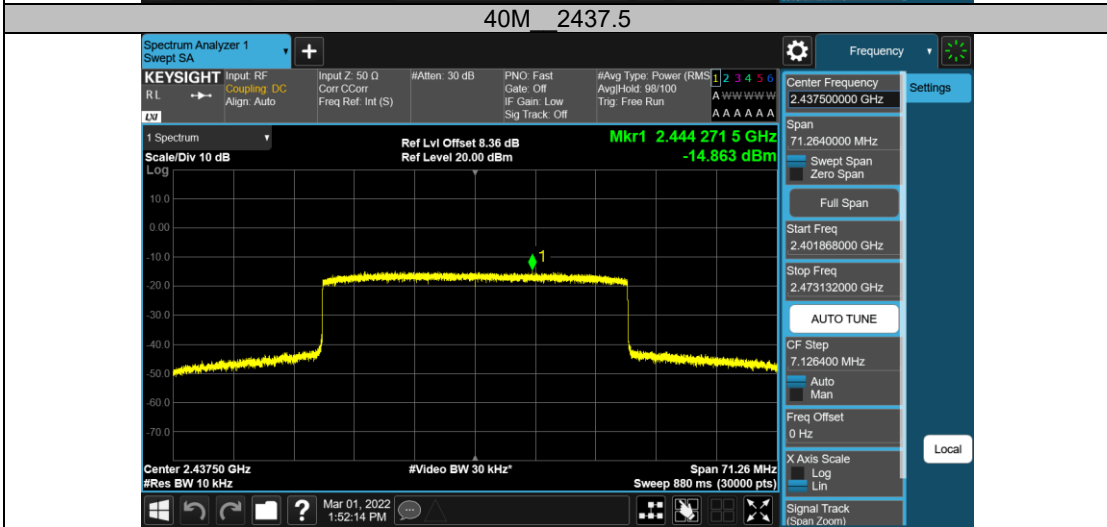
2.4GHz SDR, 20MHz BW

TestMode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
20M	2412.5	-15.78	≤8.00	PASS
	2437.5	-8.56	≤8.00	PASS
	2462.5	-17.73	≤8.00	PASS



2.4GHz SDR, 40MHz BW

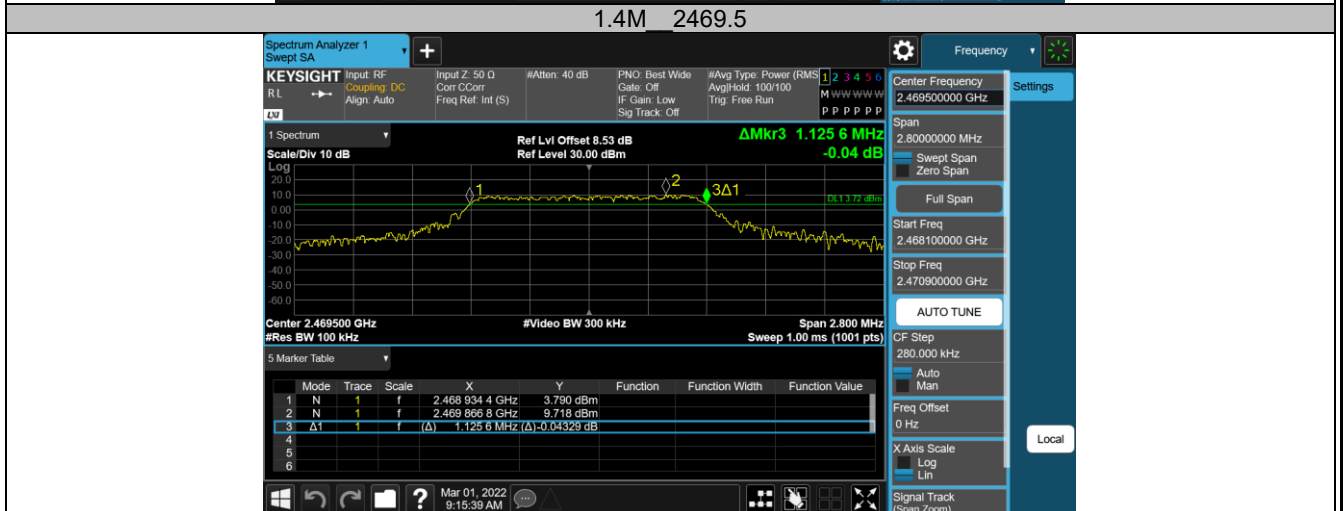
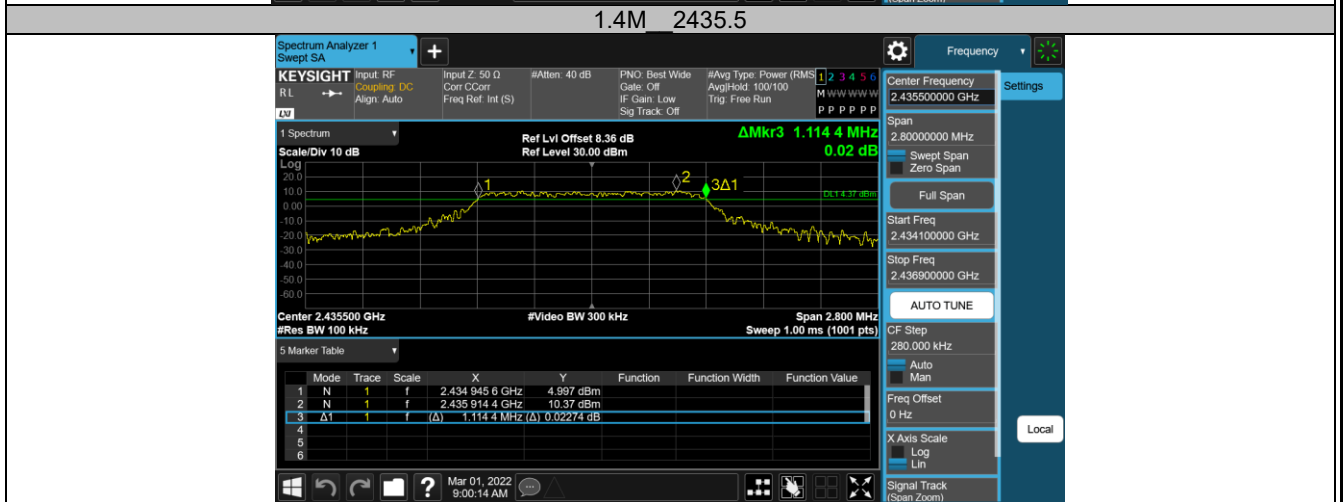
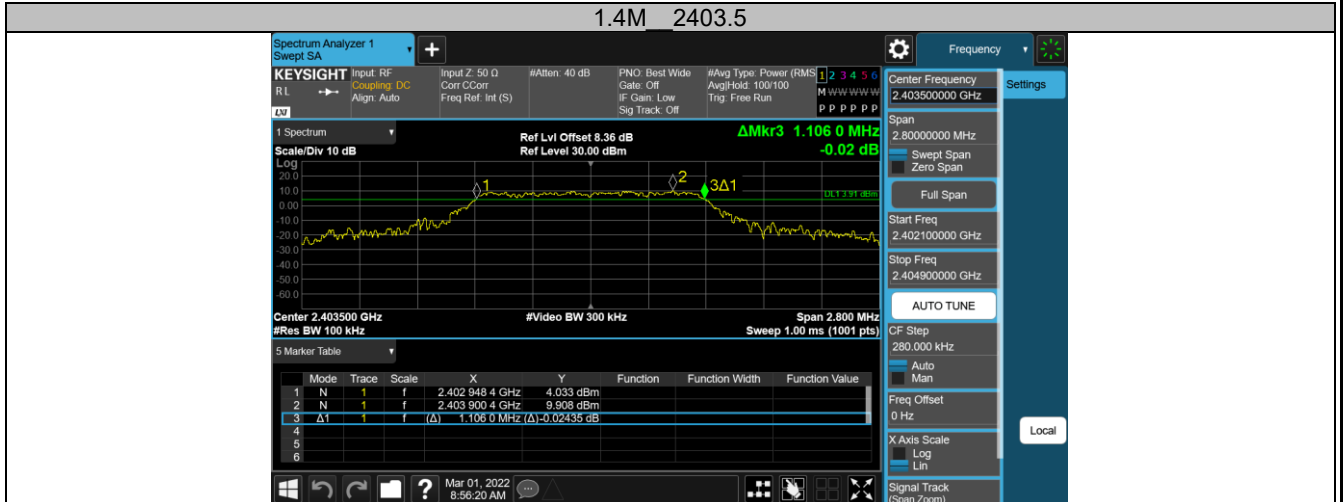
TestMode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
40M	2422.5	-23.46	≤8.00	PASS
	2437.5	-14.86	≤8.00	PASS
	2452.5	-22.77	≤8.00	PASS



Appendix B.2: Test Results of 6dB Bandwidth

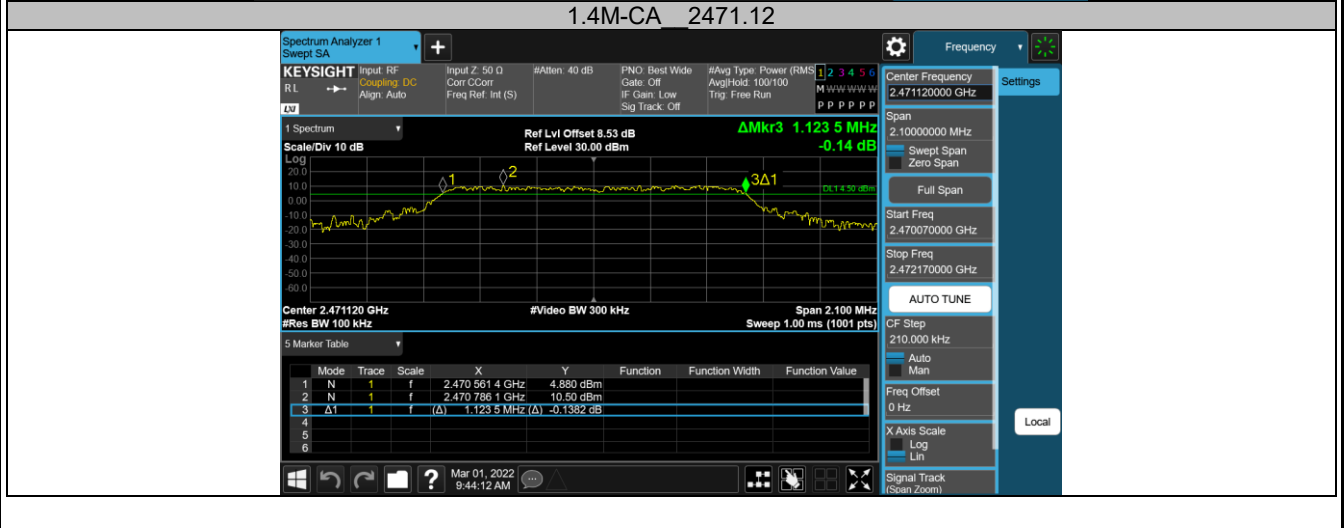
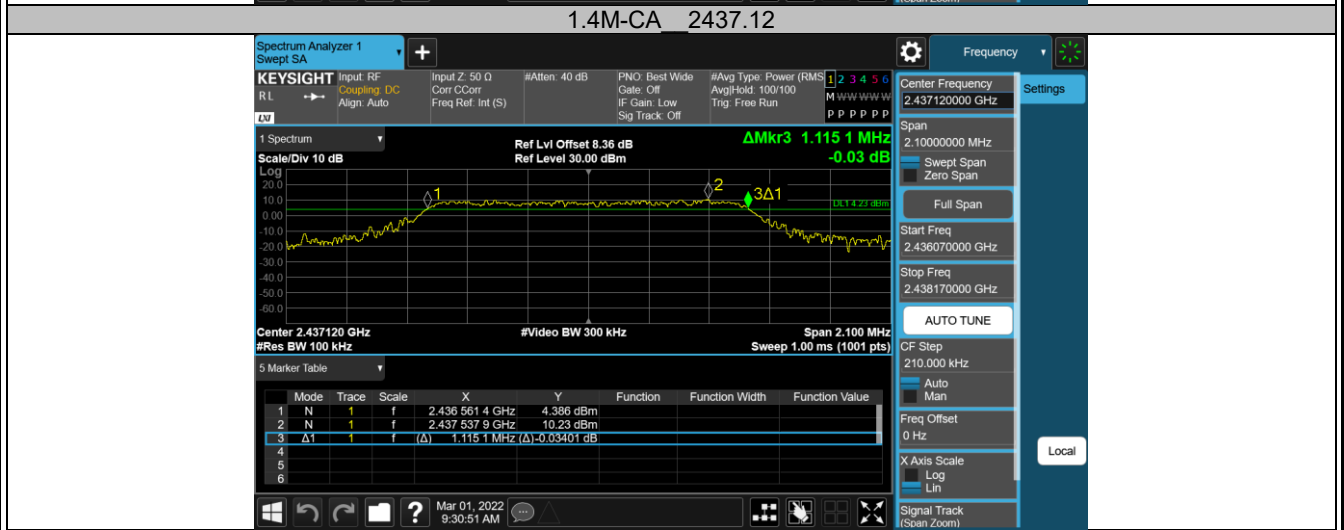
2.4GHz SDR, 1.4MHz BW

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M	2403.5	1.106	2402.948	2404.054	0.5	PASS
	2435.5	1.114	2434.946	2436.060	0.5	PASS
	2469.5	1.126	2468.934	2470.060	0.5	PASS



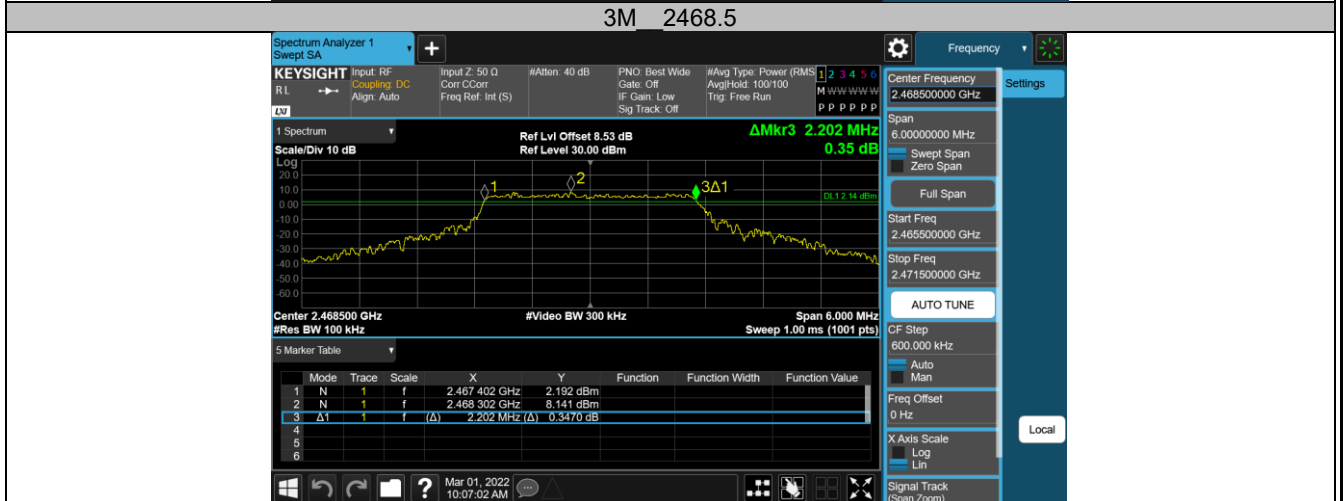
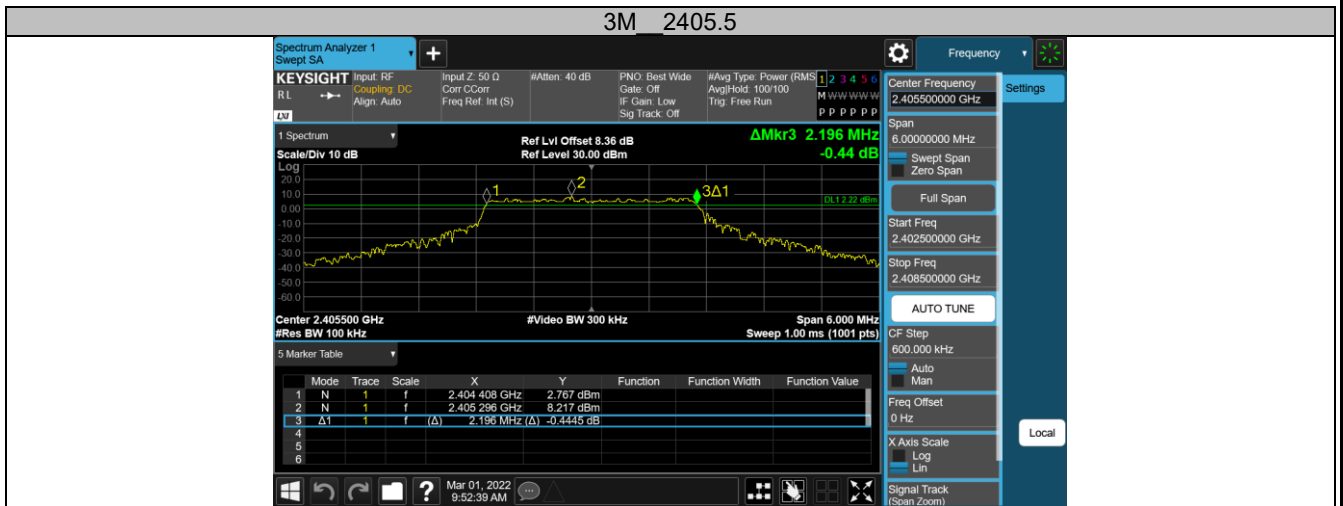
2.4GHz SDR, 1.4MHz BW CA mode

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4M-CA	2405.12	1.111	2404.564	2405.674	0.5	PASS
	2437.12	1.115	2436.561	2437.677	0.5	PASS
	2471.12	1.124	2470.561	2471.685	0.5	PASS



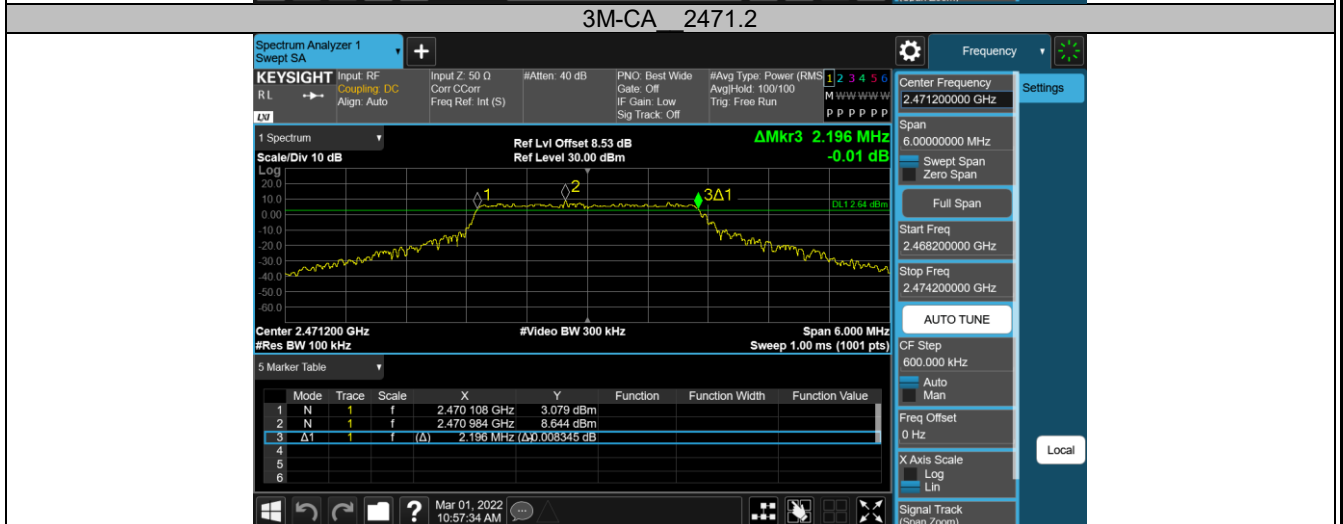
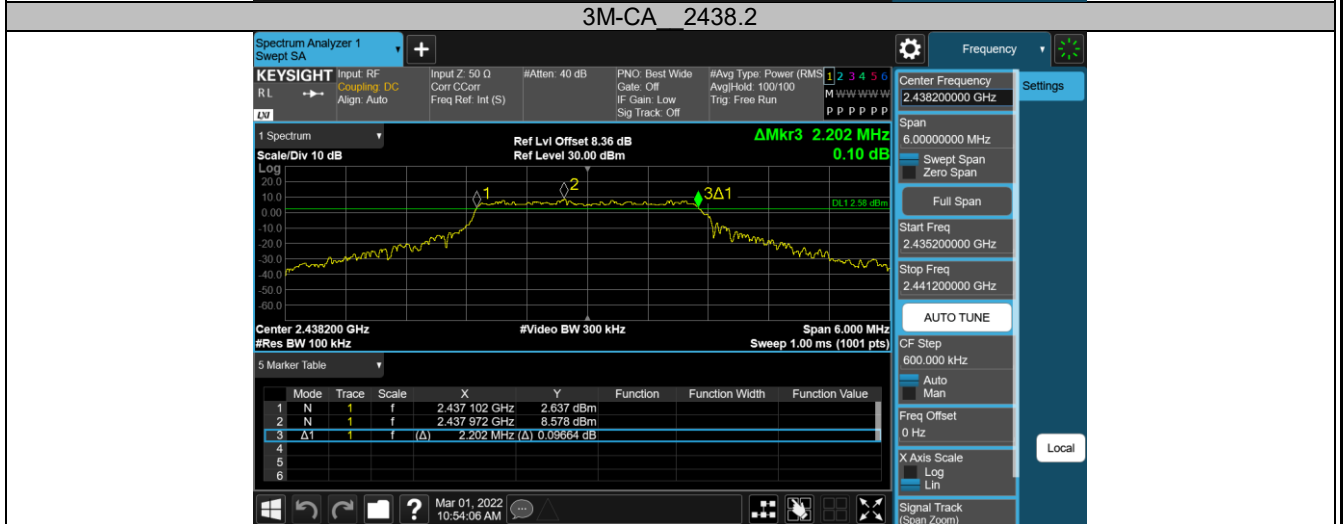
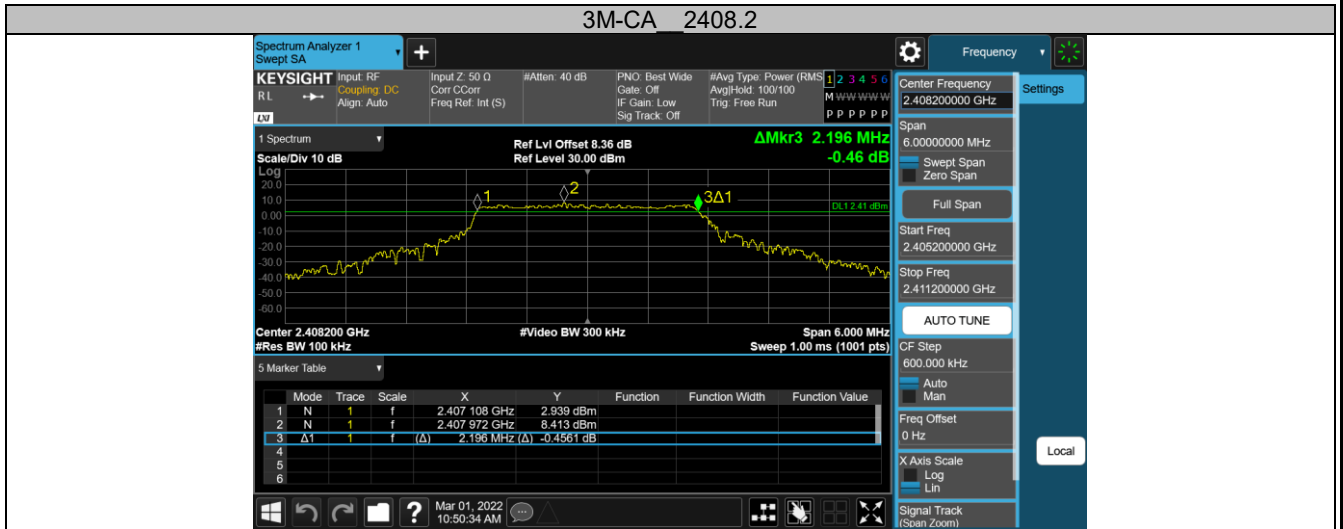
2.4GHz SDR, 3MHz BW

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3M	2405.5	2.196	2404.408	2406.604	0.5	PASS
	2435.5	2.196	2434.408	2436.604	0.5	PASS
	2468.5	2.202	2467.402	2469.604	0.5	PASS



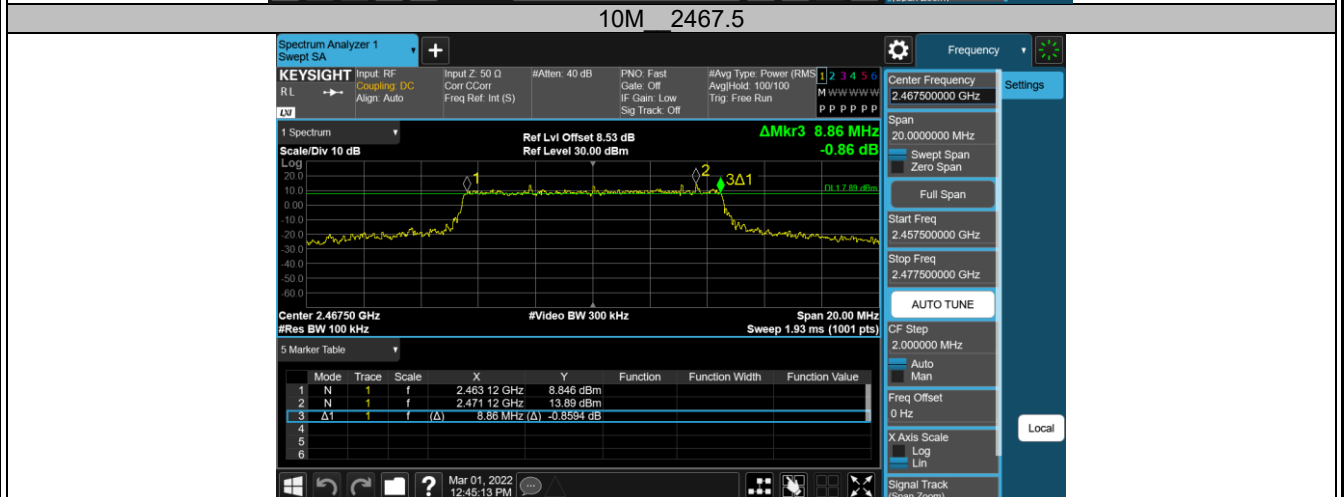
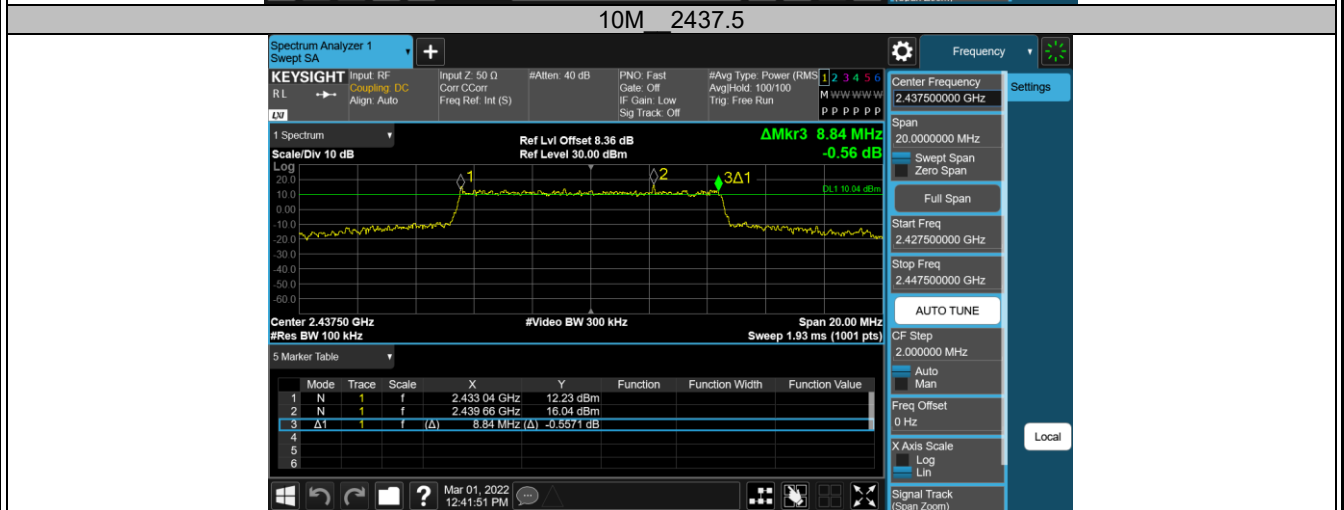
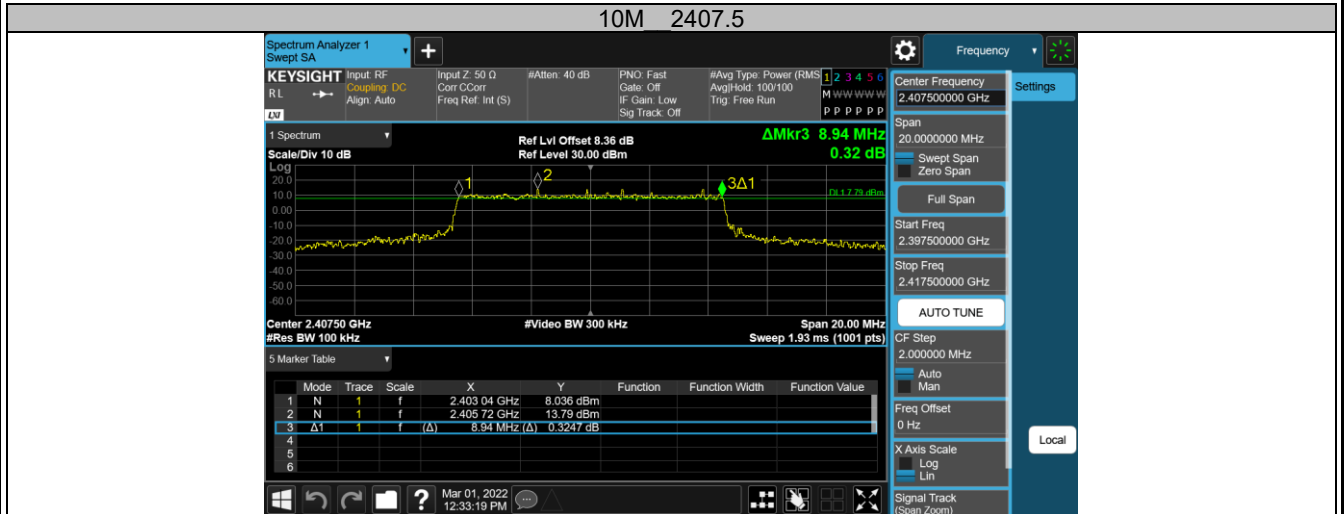
2.4GHz SDR, 3MHz BW (CA Mode)

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3M	2408.2	2.196	2407.108	2409.304	0.5	PASS
	2438.2	2.202	2437.102	2439.304	0.5	PASS
	2471.2	2.196	2470.108	2472.304	0.5	PASS



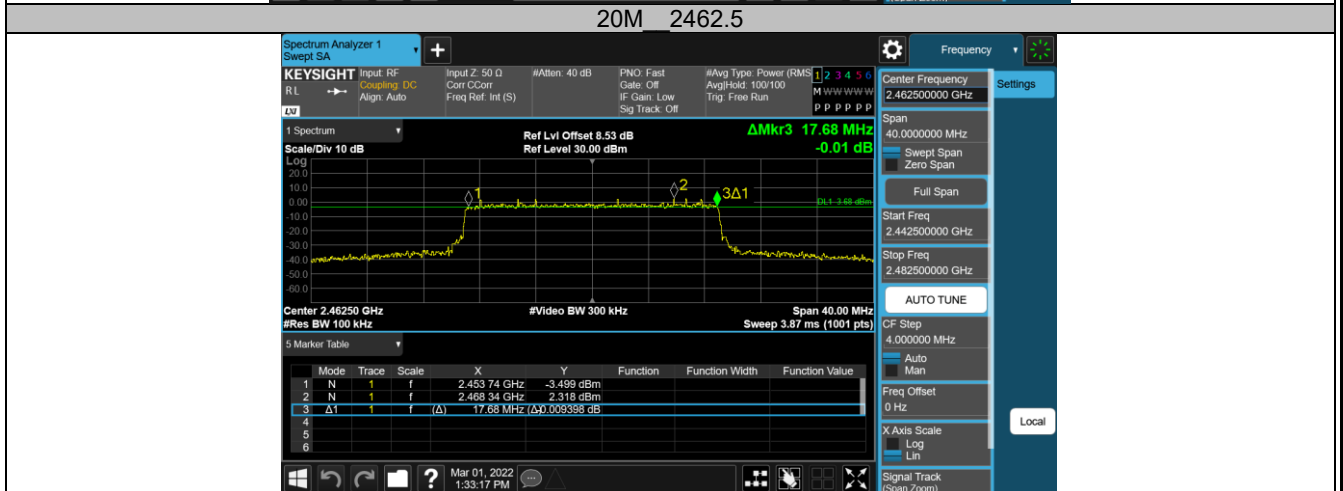
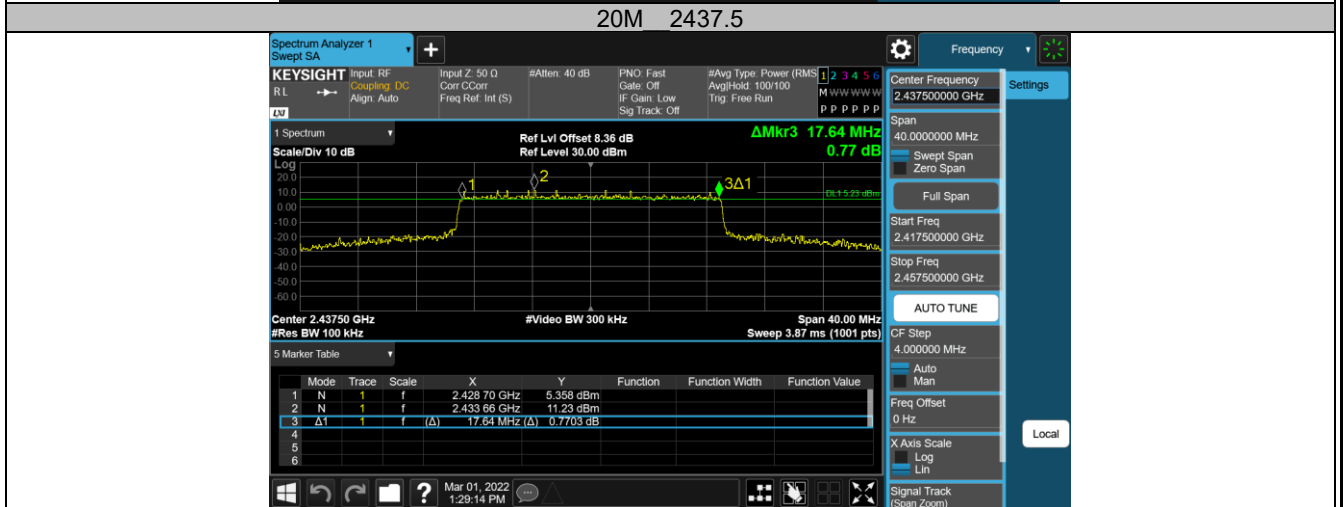
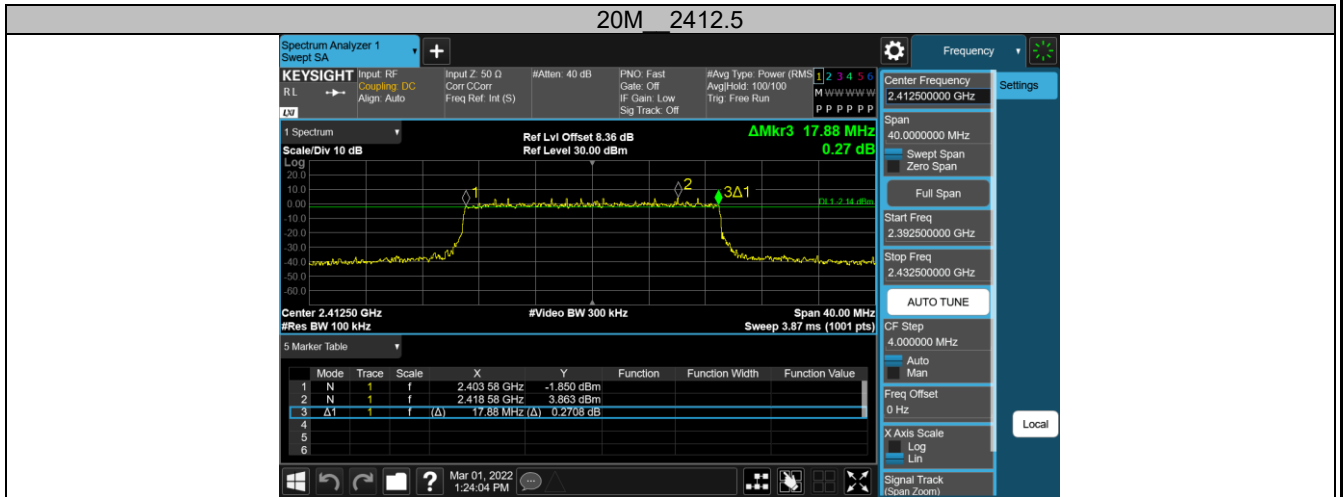
2.4GHz SDR, 10MHz BW

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	2407.5	8.940	2403.040	2411.980	0.5	PASS
	2437.5	8.840	2433.040	2441.880	0.5	PASS
	2467.5	8.860	2463.120	2471.980	0.5	PASS



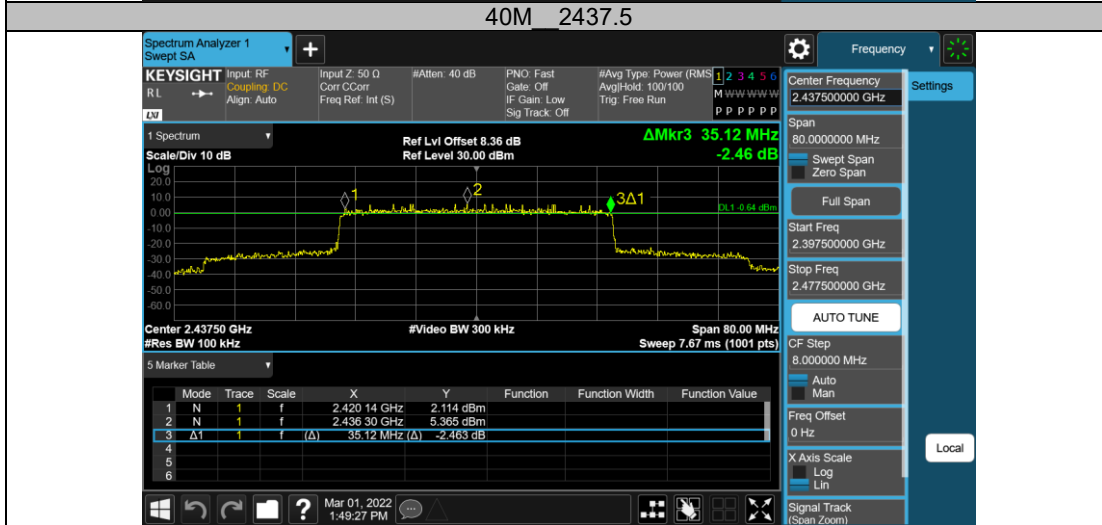
2.4GHz SDR, 20MHz BW

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	2412.5	17.880	2403.580	2421.460	0.5	PASS
	2437.5	17.640	2428.700	2446.340	0.5	PASS
	2462.5	17.680	2453.740	2471.420	0.5	PASS



2.4GHz SDR, 40MHz BW

TestMode	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40M	2422.5	35.200	2405.140	2440.340	0.5	PASS
	2437.5	35.120	2420.140	2455.260	0.5	PASS
	2452.5	34.720	2435.620	2470.340	0.5	PASS



Appendix B.3: Test Results of 99% Bandwidth

2.4GHz SDR, 1.4MHz BW

TestMode	Channel	OCB [MHz]	Limit[MHz]	Verdict
1.4M	2403.5	1.1221	---	PASS
	2435.5	1.1250	---	PASS
	2469.5	1.1198	---	PASS

