

Appendix A: Test Results of 5.8G SDR

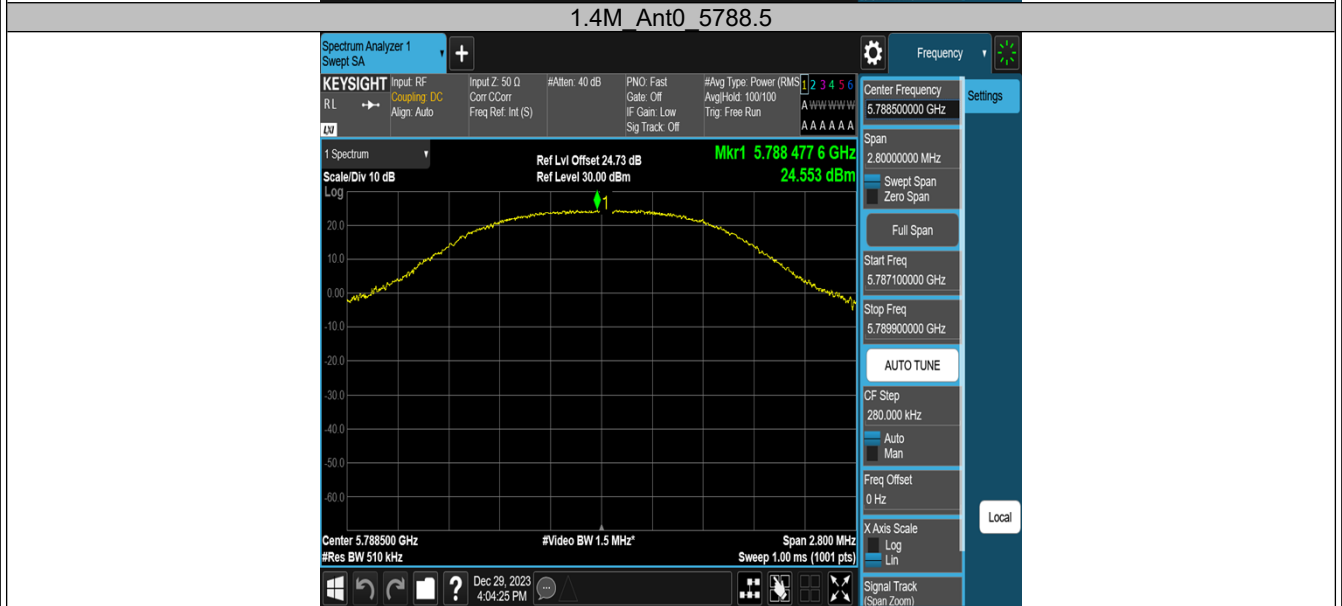
APPENDIX A: TEST RESULTS OF 5.8G SDR	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
5.8G SDR, 1.4MHz BW	2
5.8G SDR, 1.4MHz BW CA mode.....	7
5.8G SDR, 3MHz BW	12
5.8G SDR, 3MHz BW CA mode.....	17
5.8G SDR, 10MHz BW	22
5.8G SDR, 20MHz BW	27
5.8G SDR, 40MHz BW	32
APPENDIX A.2: TEST RESULTS OF FREQUENCY STABILITY	37
APPENDIX A.3: TEST RESULTS OF 6DB BANDWIDTH	38
5.8G SDR, 1.4MHz BW	38
5.8G SDR, 1.4MHz BW CA mode.....	40
5.8G SDR, 3MHz BW	42
5.8G SDR, 3MHz BW CA mode.....	44
5.8G SDR, 10MHz BW	46
5.8G SDR, 20MHz BW	48
5.8G SDR, 40MHz BW	50
APPENDIX A.4: TEST RESULTS OF 99% BANDWIDTH	52
5.8G SDR, 1.4MHz BW	52
5.8G SDR, 1.4MHz BW CA mode.....	54
5.8G SDR, 3MHz BW	56
5.8G SDR, 3MHz BW CA mode.....	58
5.8G SDR, 10MHz BW	60
5.8G SDR, 20MHz BW	62
5.8G SDR, 40MHz BW	64
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	66
30MHz - 1GHz (Worst case).....	66
1GHz - 18GHz	68
Co-location Mode	127
APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	128
5.8G SDR, 1.4MHz BW	128
5.8G SDR, 1.4MHz BW CA mode.....	132
5.8G SDR, 3MHz BW	136
5.8G SDR, 3MHz BW CA mode.....	140
5.8G SDR, 10MHz BW	144
5.8G SDR, 20MHz BW	148
5.8G SDR, 40MHz BW	152
APPENDIX A.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	160

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

5.8G SDR, 1.4MHz BW

SISO mode (Worst case_ANT0)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4M	Ant0	5728.5	24.79	≤30.00	PASS
		5788.5	24.55	≤30.00	PASS
		5846.5	24.51	≤30.00	PASS

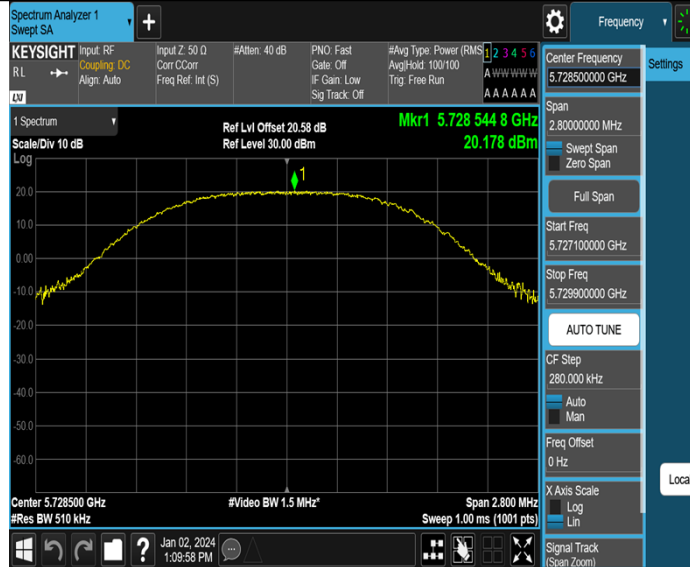




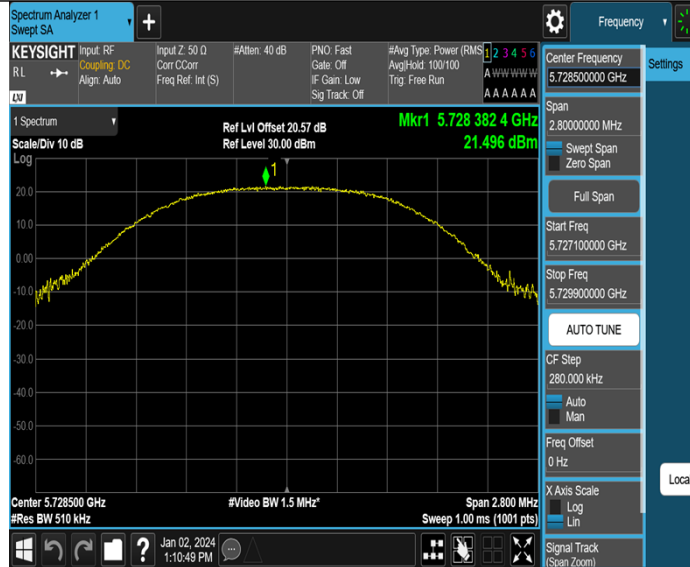
MIMO mode (Worst case_ANT2+ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4M	Ant2	5728.5	20.18	≤30.00	PASS
	Ant3	5728.5	21.50	≤30.00	PASS
	total	5728.5	23.9	≤30.00	PASS
	Ant2	5788.5	20.55	≤30.00	PASS
	Ant3	5788.5	21.86	≤30.00	PASS
	total	5788.5	24.26	≤30.00	PASS
	Ant2	5846.5	20.93	≤30.00	PASS
	Ant3	5846.5	21.55	≤30.00	PASS
	total	5846.5	24.26	≤30.00	PASS

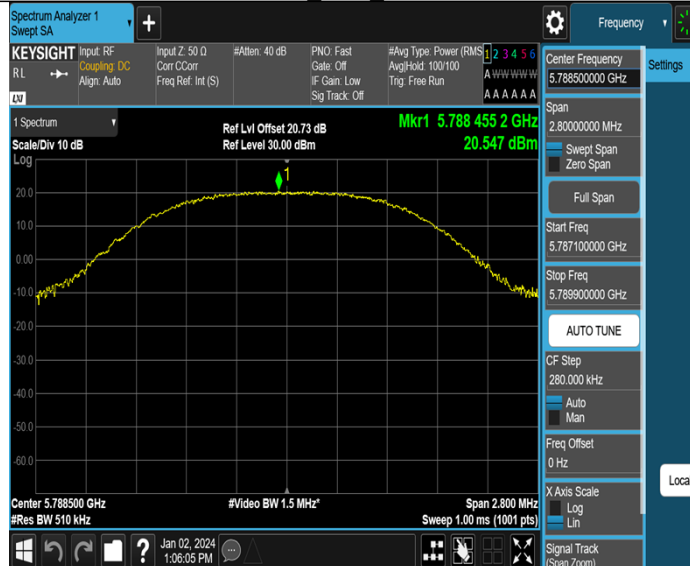
1.4M Ant2 5728.5



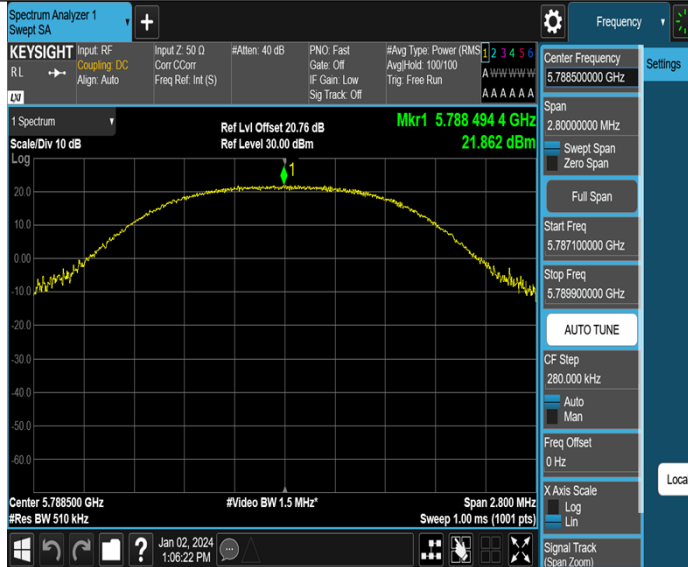
1.4M Ant3 5728.5



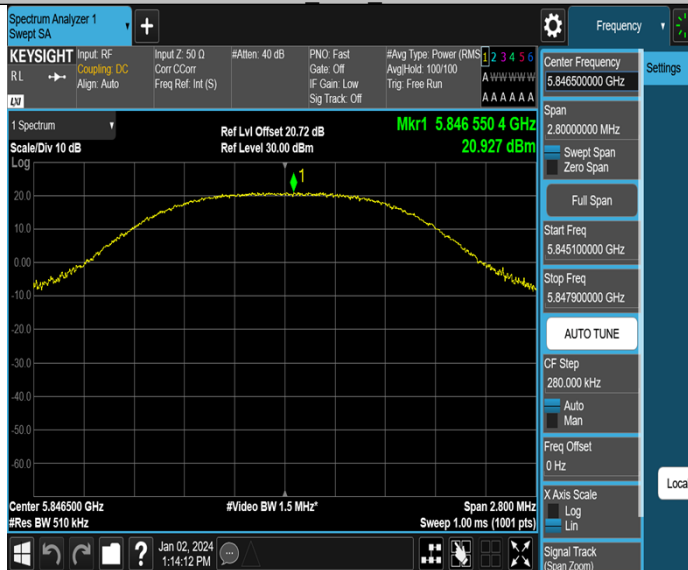
1.4M Ant2 5788.5



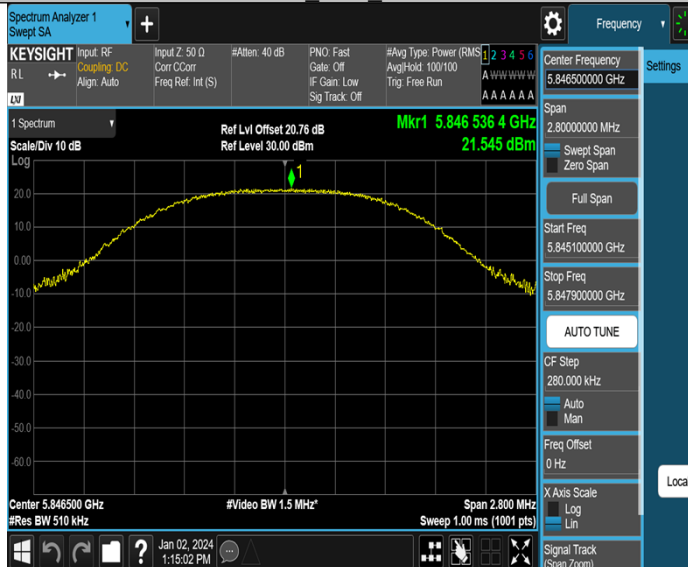
1.4M Ant3 5788.5



1.4M Ant2 5846.5



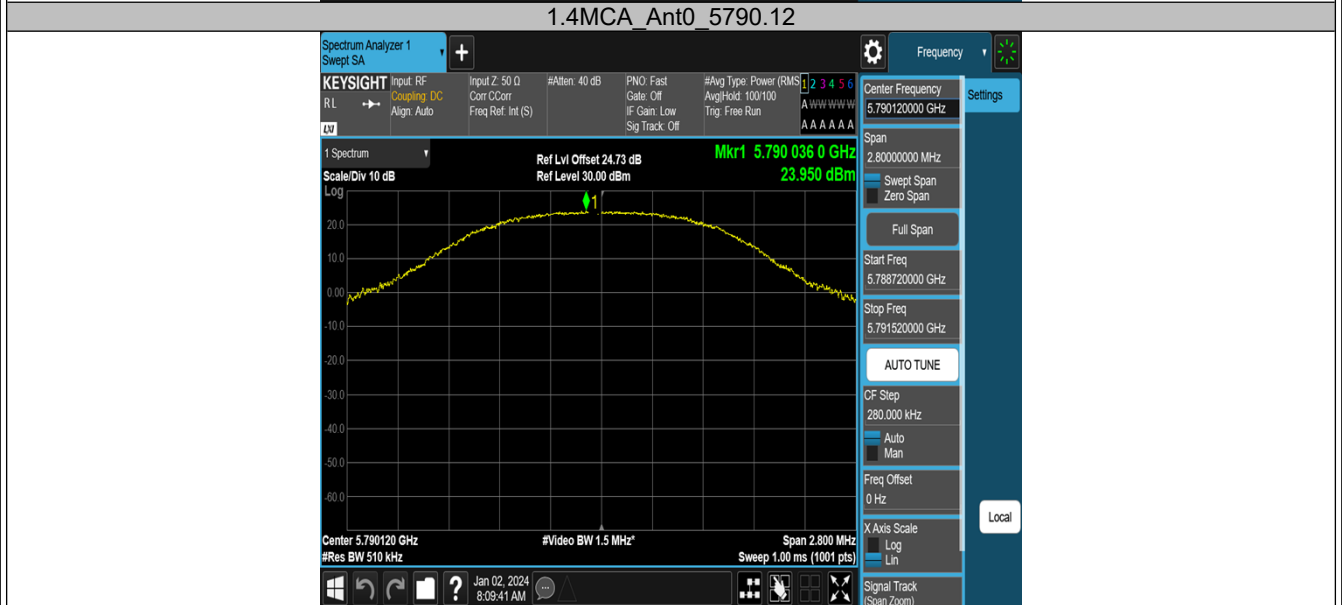
1.4M Ant3 5846.5

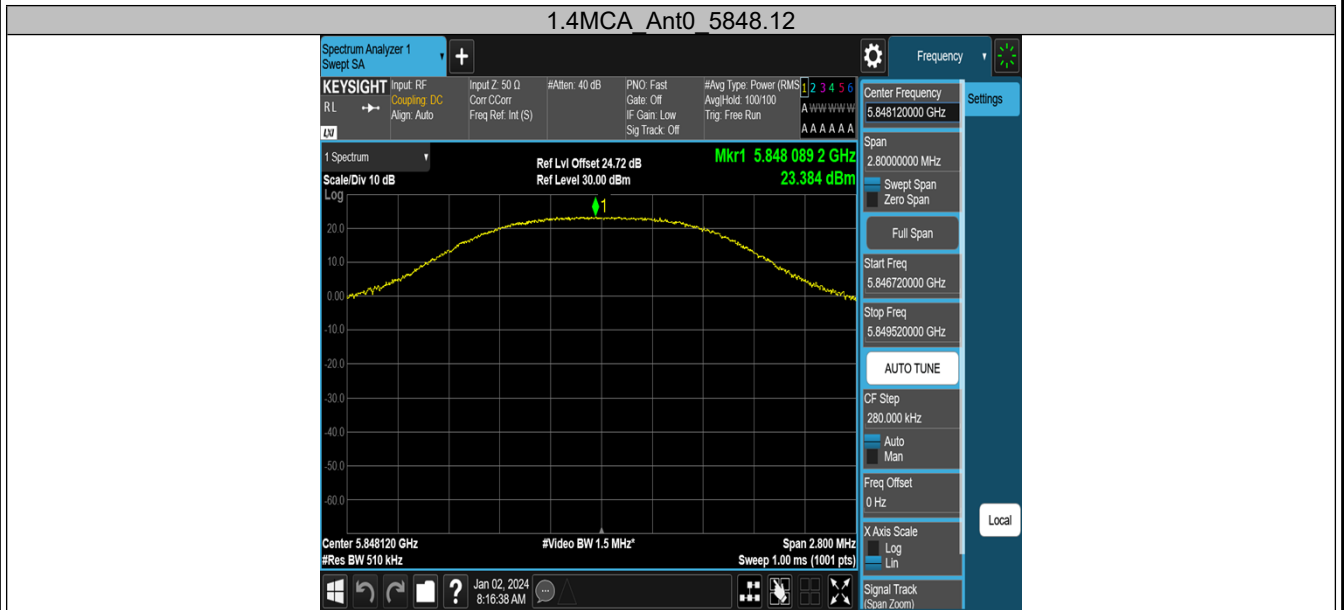


5.8G SDR, 1.4MHz BW CA mode

SISO mode (Worst case_ANT0)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4MCA	Ant0	5730.12	23.91	≤30.00	PASS
		5790.12	23.95	≤30.00	PASS
		5848.12	23.38	≤30.00	PASS

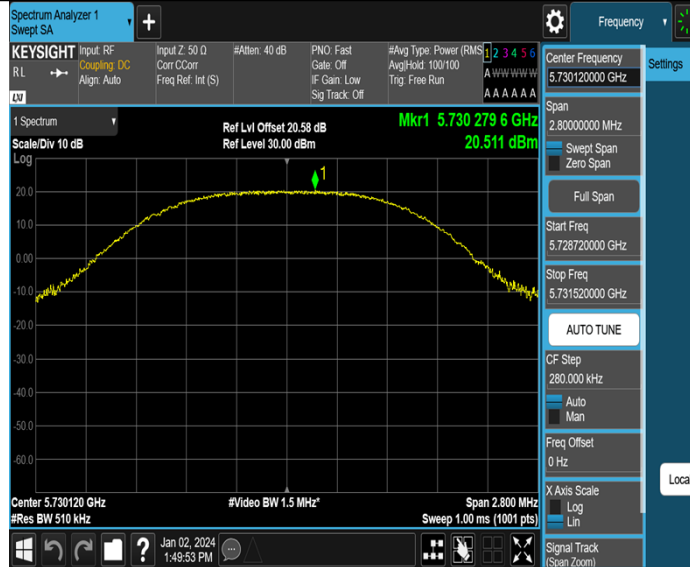




MIMO mode (Worst case_ANT2+ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
1.4MCA	Ant2	5730.12	20.51	≤30.00	PASS
	Ant3	5730.12	21.76	≤30.00	PASS
	total	5730.12	24.19	≤30.00	PASS
	Ant2	5790.12	20.52	≤30.00	PASS
	Ant3	5790.12	22.03	≤30.00	PASS
	total	5790.12	24.35	≤30.00	PASS
	Ant2	5848.12	21.20	≤30.00	PASS
	Ant3	5848.12	21.55	≤30.00	PASS
	total	5848.12	24.39	≤30.00	PASS

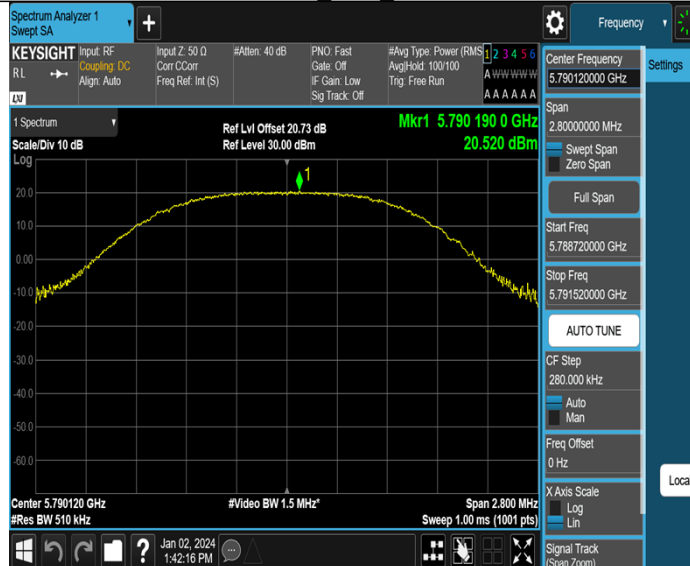
1.4MCA Ant2 5730.12



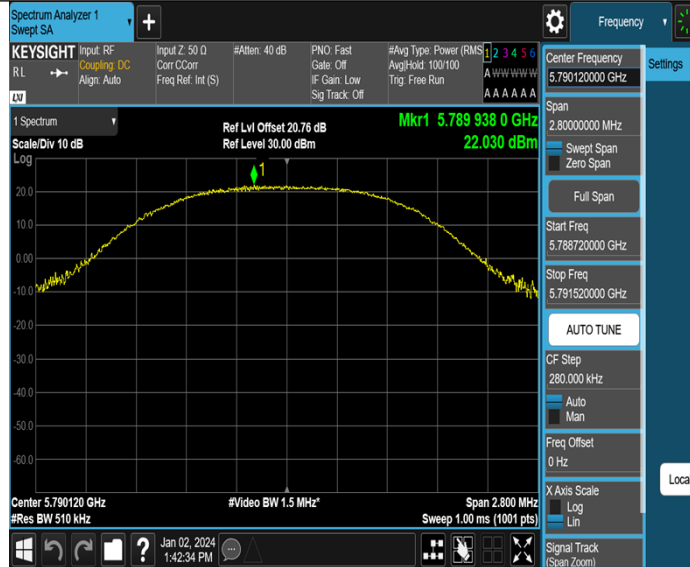
1.4MCA Ant3 5730.12



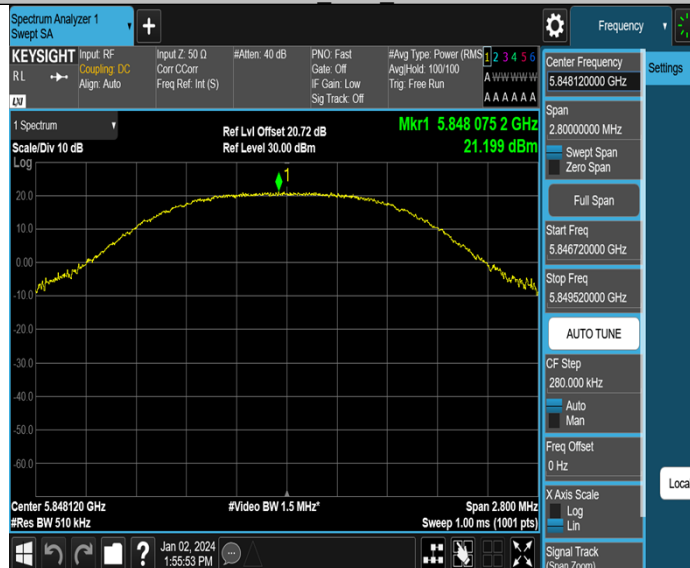
1.4MCA Ant2 5790.12



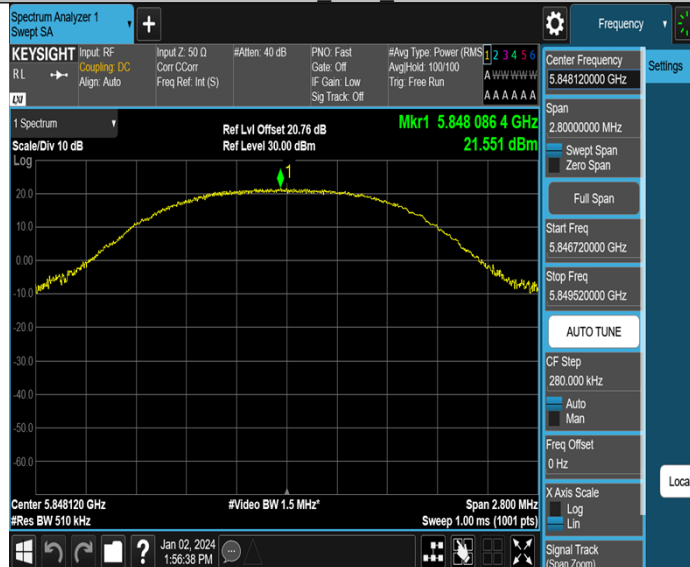
1.4MCA Ant3 5790.12



1.4MCA Ant2 5848.12



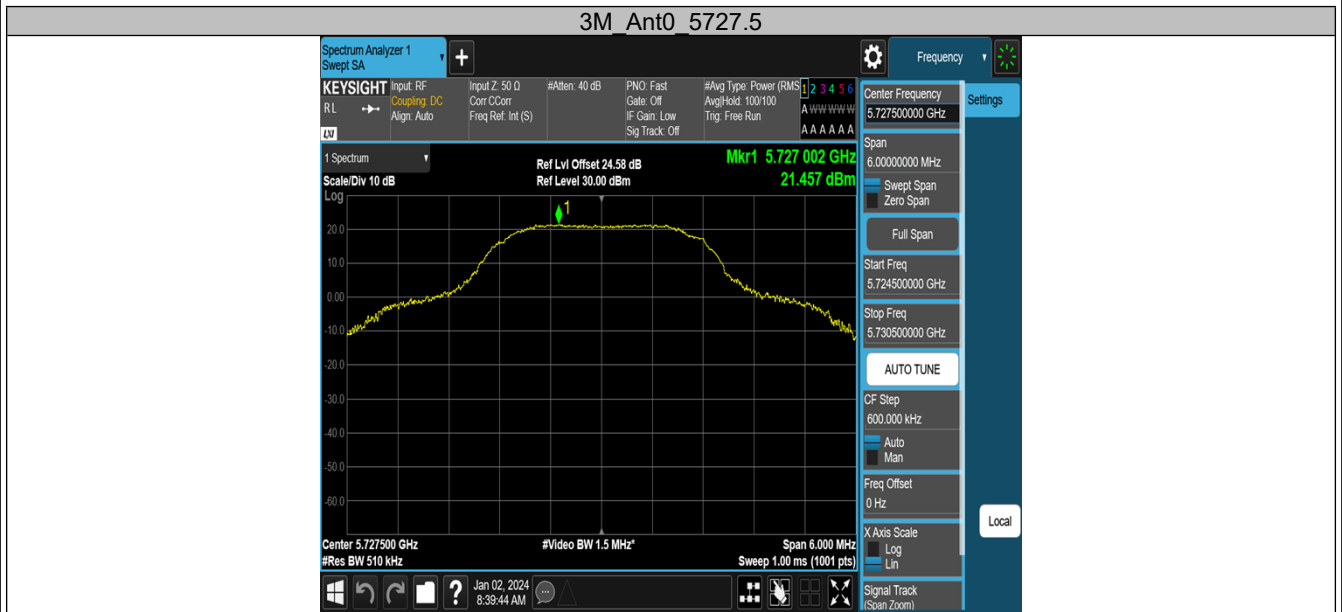
1.4MCA Ant3 5848.12



5.8G SDR, 3MHz BW

SISO mode (Worst case_ANT0)

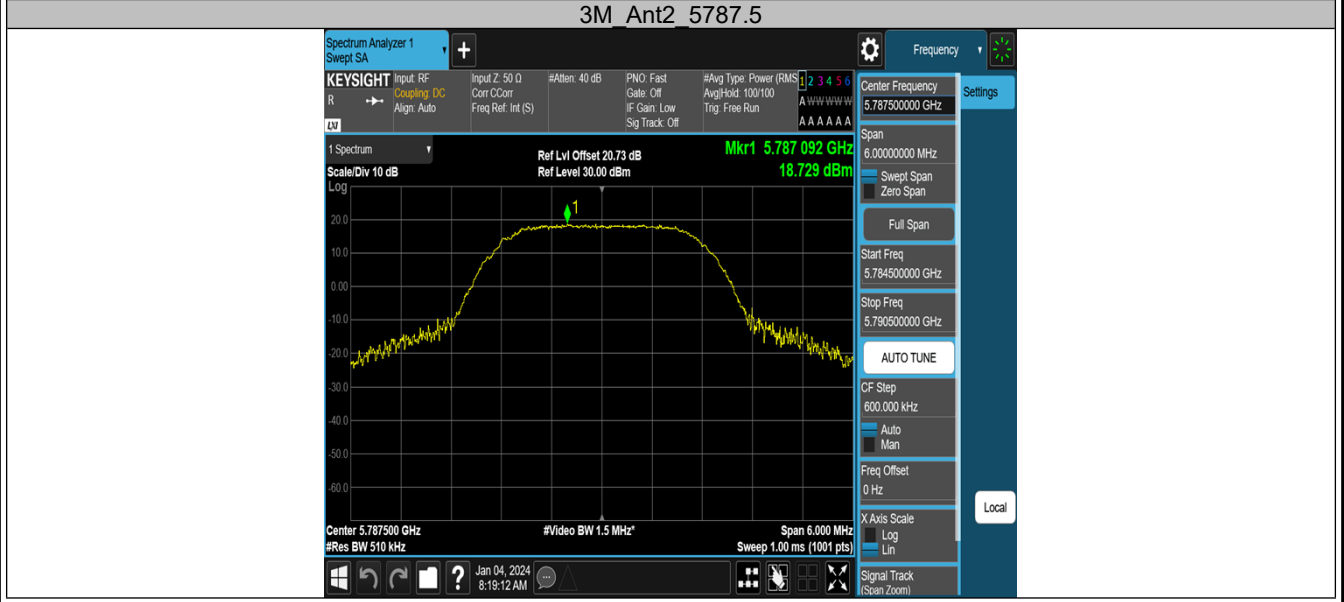
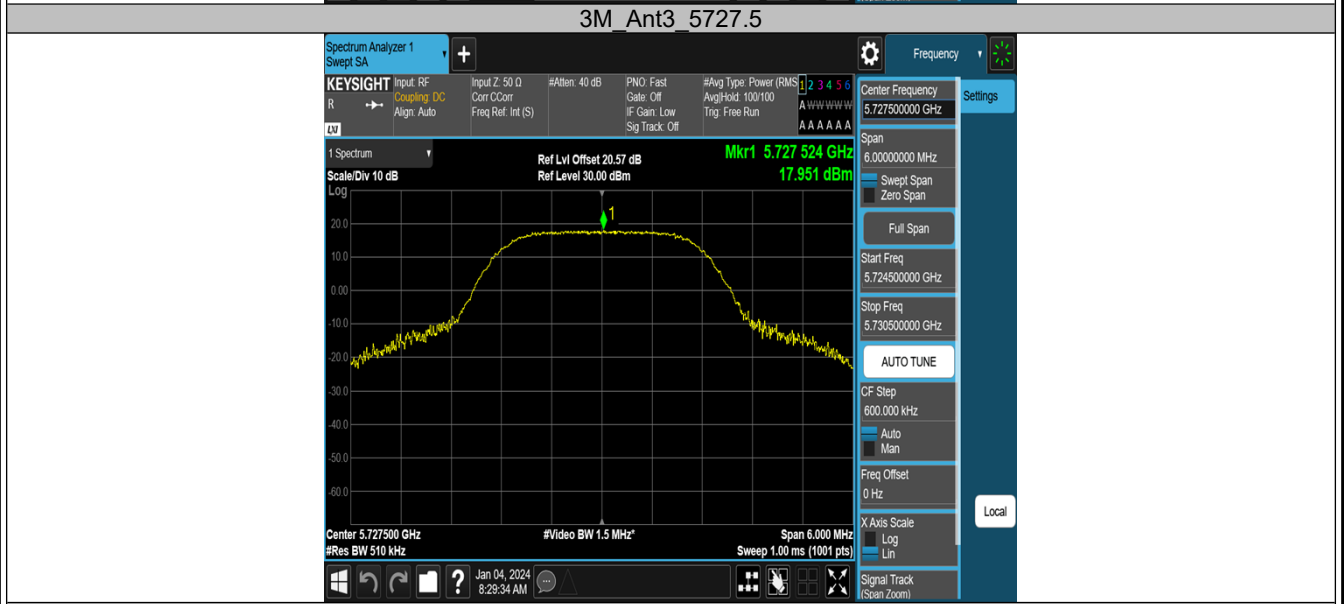
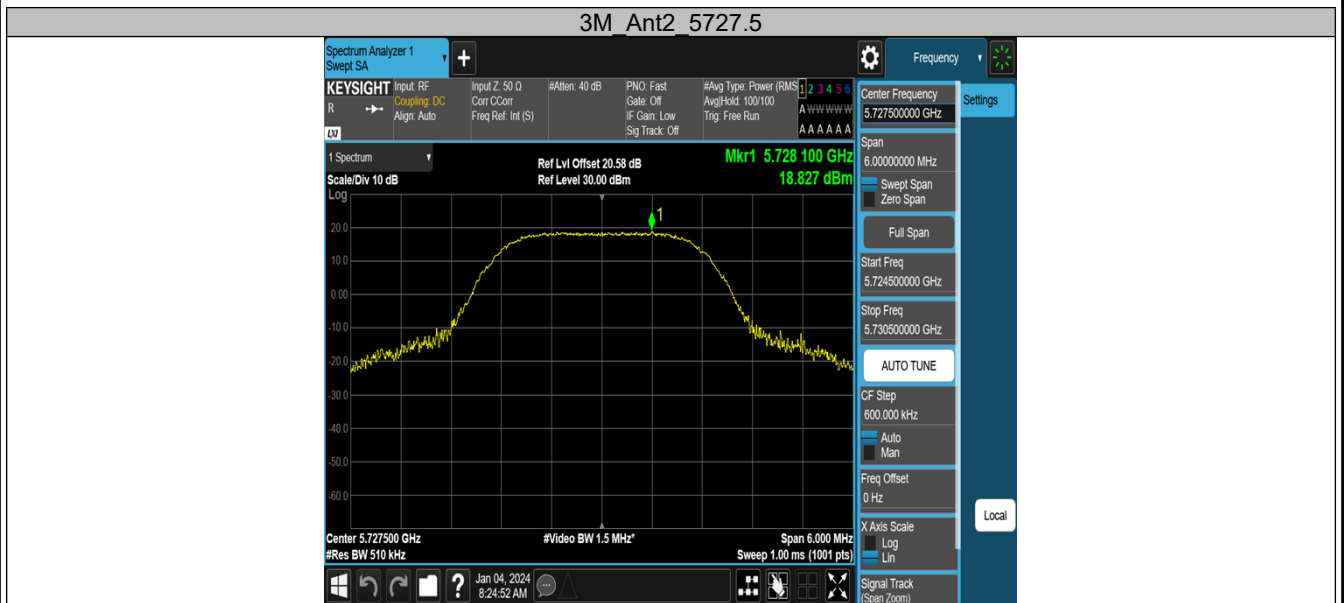
TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3M	Ant0	5727.5	21.46	≤30.00	PASS
		5787.5	21.41	≤30.00	PASS
		5844.5	21.48	≤30.00	PASS



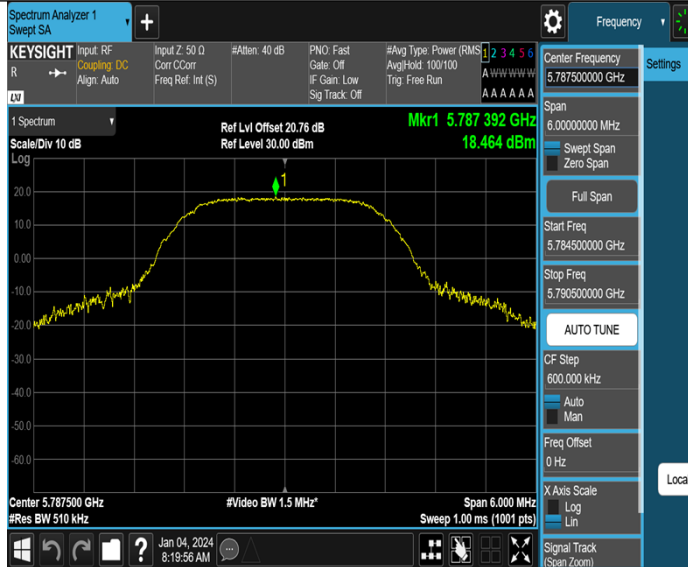


MIMO mode (Worst case_ANT2+ANT3)

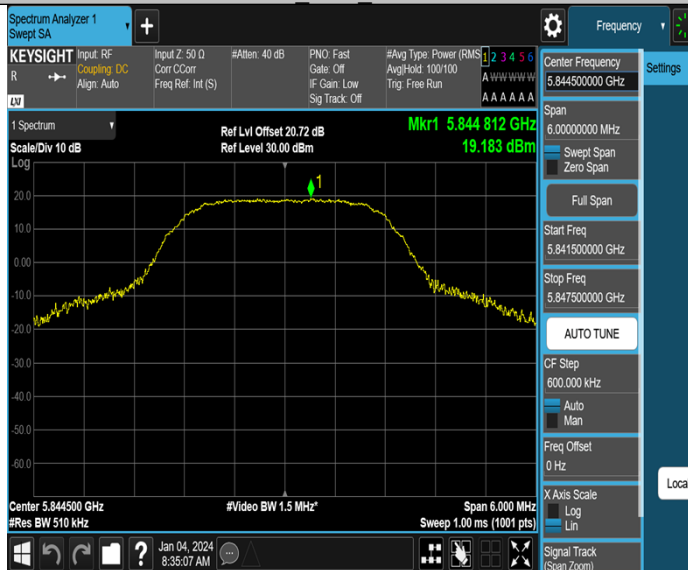
TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3M	Ant2	5727.5	18.83	≤30.00	PASS
	Ant3	5727.5	17.95	≤30.00	PASS
	total	5727.5	21.42	≤30.00	PASS
	Ant2	5787.5	18.73	≤30.00	PASS
	Ant3	5787.5	18.46	≤30.00	PASS
	total	5787.5	21.61	≤30.00	PASS
	Ant2	5844.5	19.18	≤30.00	PASS
	Ant3	5844.5	18.72	≤30.00	PASS
	total	5844.5	21.97	≤30.00	PASS



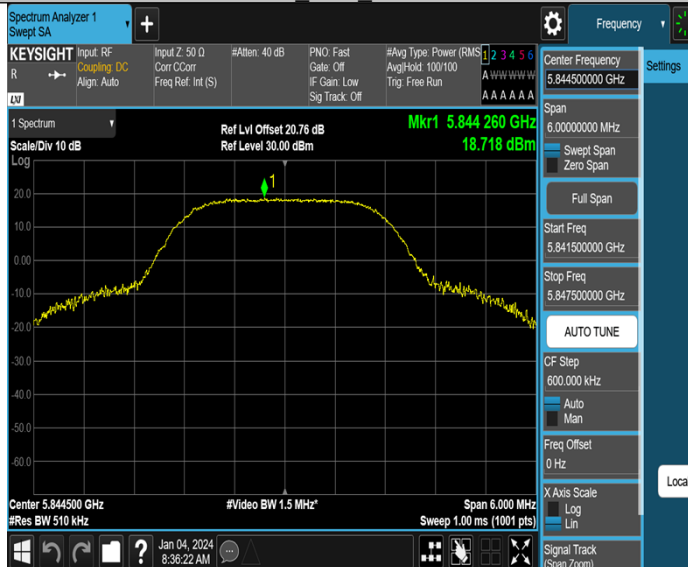
3M Ant3 5787.5



3M Ant2 5844.5



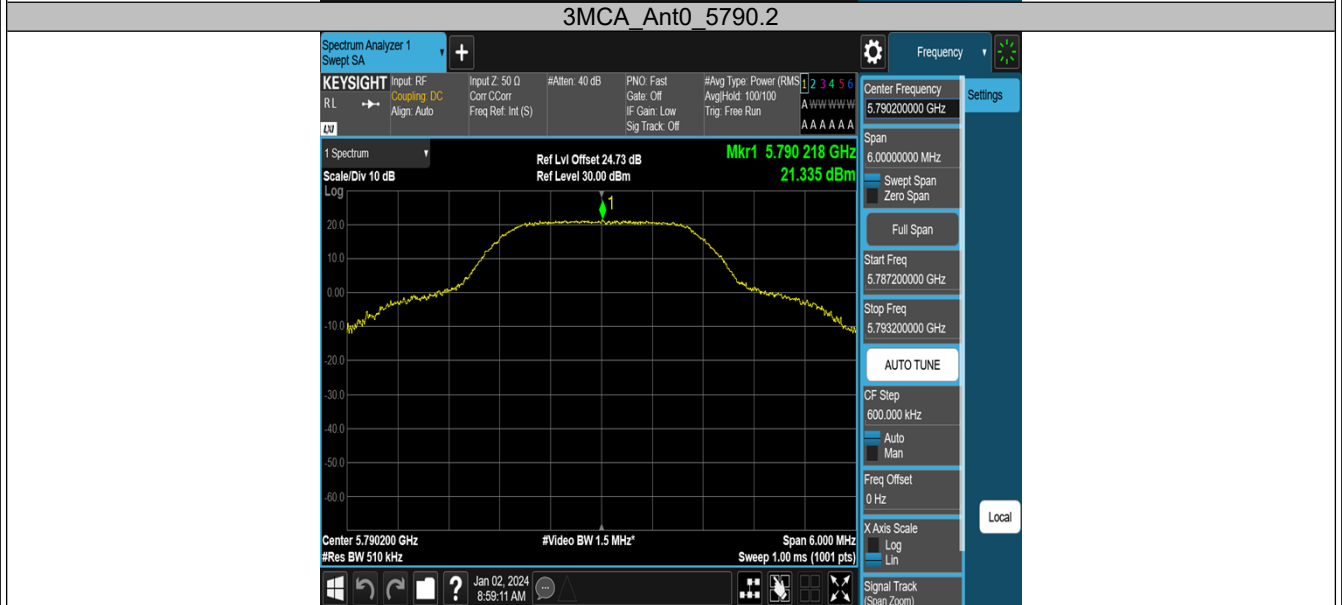
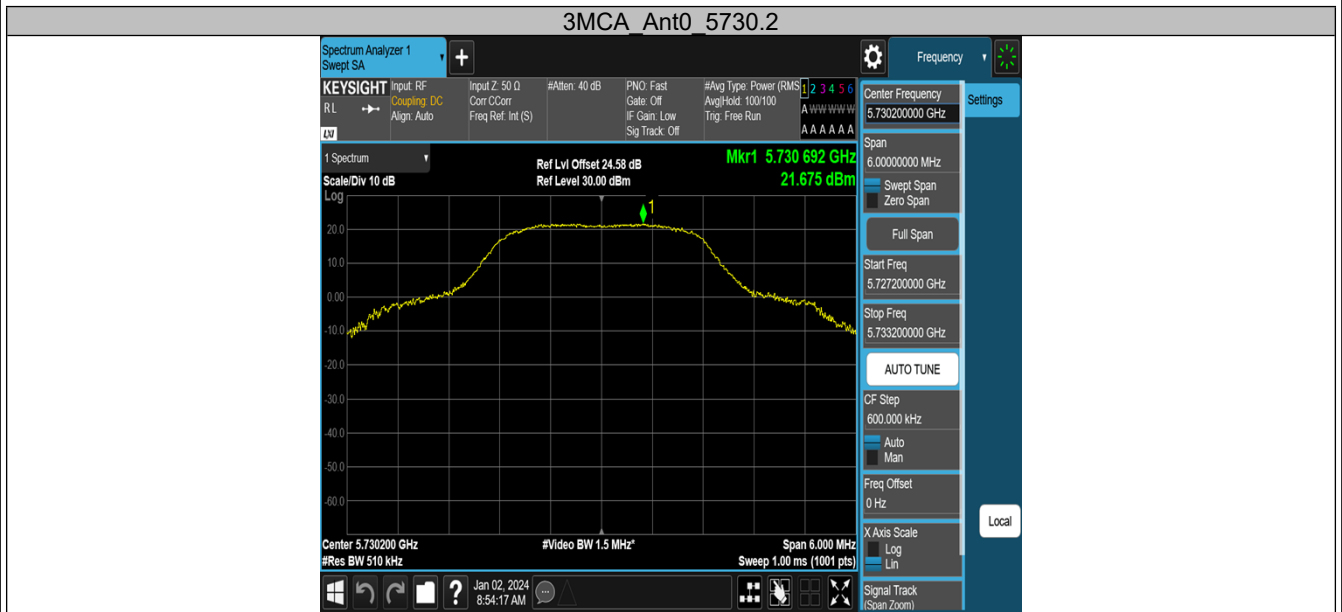
3M Ant3 5844.5



5.8G SDR, 3MHz BW CA mode

SISO mode (Worst case_ANT0)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3MCA	Ant0	5730.2	21.68	≤30.00	PASS
		5790.2	21.34	≤30.00	PASS
		5847.2	21.28	≤30.00	PASS

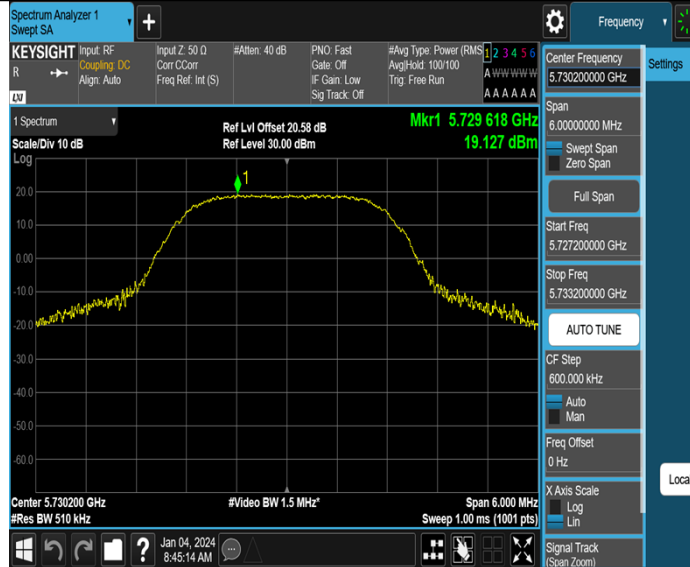




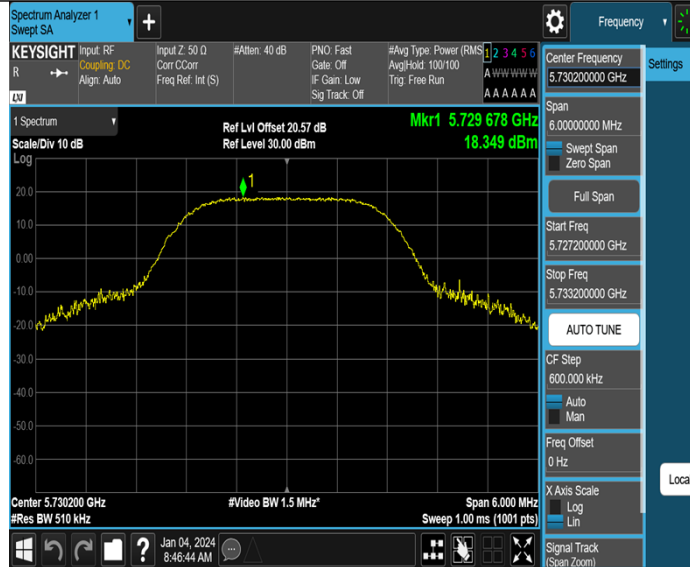
MIMO mode (Worst case_ANT2+ANT3)

TestMode	Antenna	Channel	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
3MCA	Ant2	5730.2	19.13	≤30.00	PASS
	Ant3	5730.2	18.35	≤30.00	PASS
	total	5730.2	21.77	≤30.00	PASS
	Ant2	5790.2	18.81	≤30.00	PASS
	Ant3	5790.2	18.65	≤30.00	PASS
	total	5790.2	21.74	≤30.00	PASS
	Ant2	5847.2	19.15	≤30.00	PASS
	Ant3	5847.2	18.61	≤30.00	PASS
	total	5847.2	21.9	≤30.00	PASS

3MCA_Ant2_5730.2



3MCA_Ant3_5730.2



3MCA_Ant2_5790.2

