

Appendix A: Test Results of 5.2G SDR

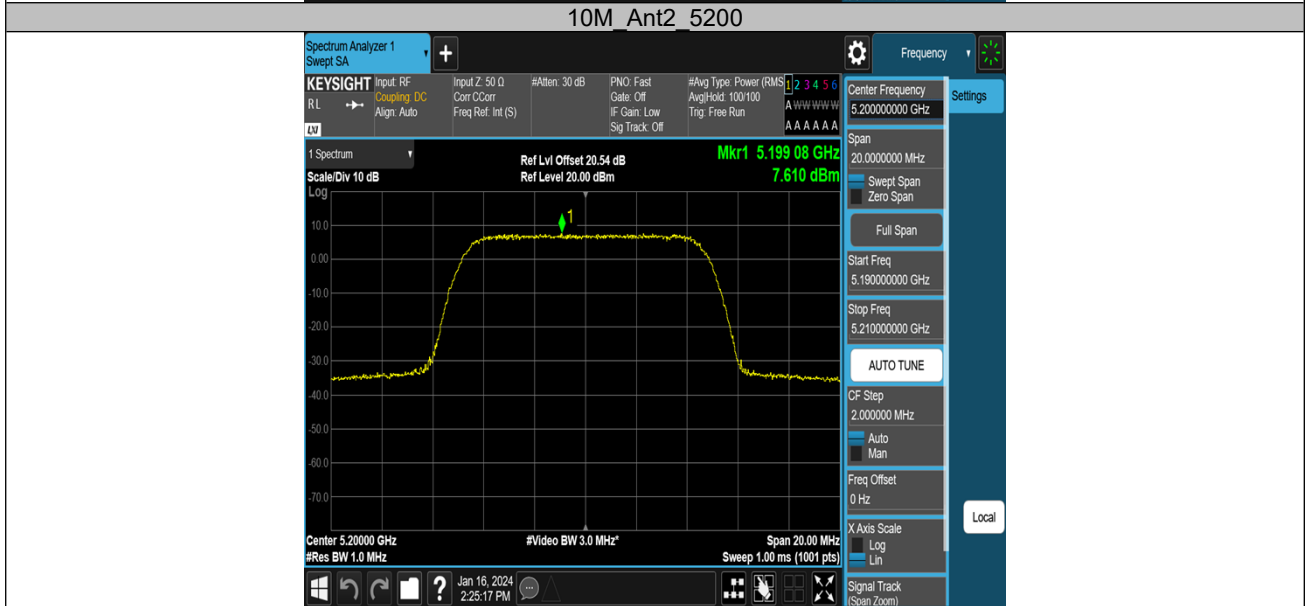
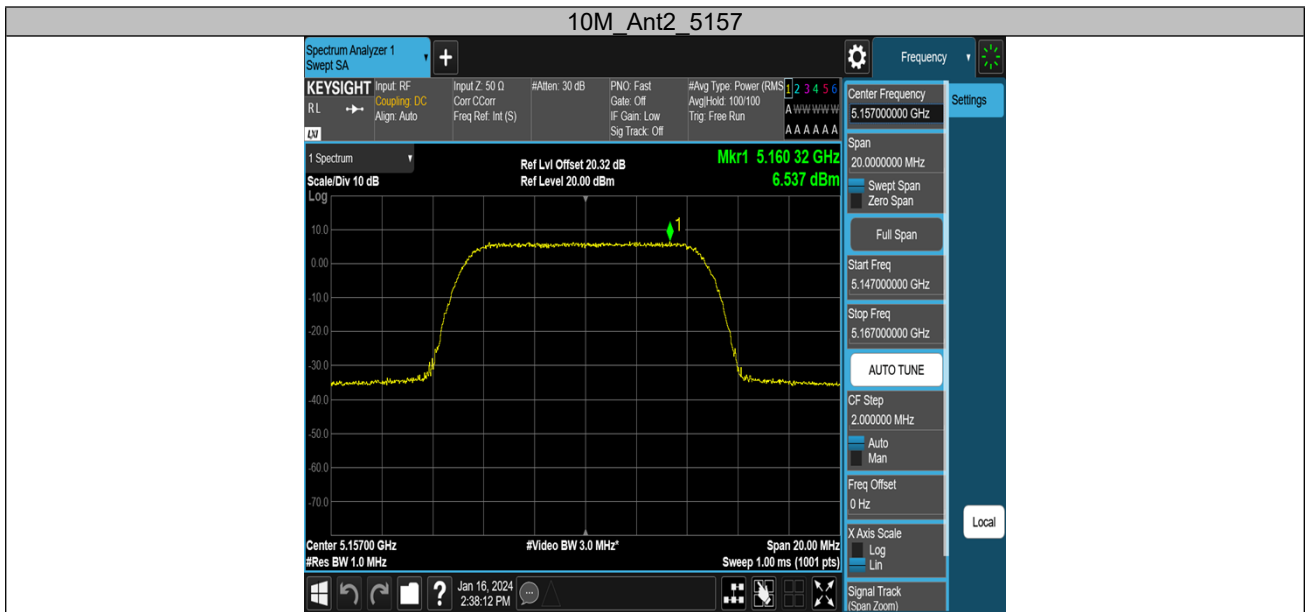
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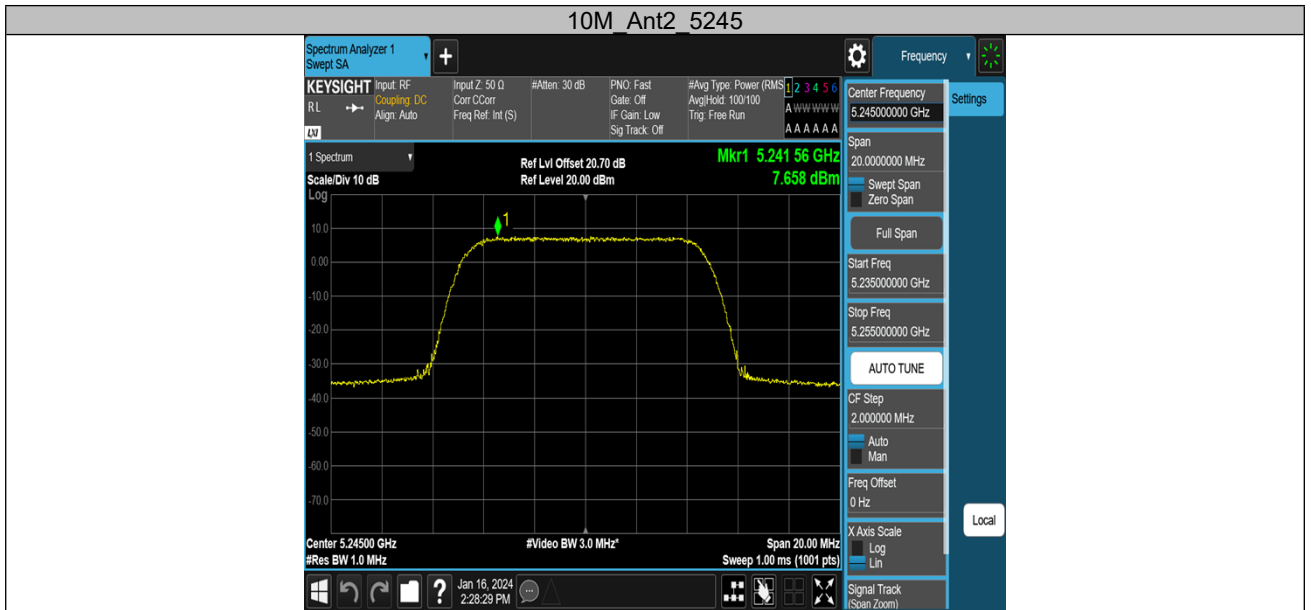
Appendix A.1: Test Results of Conducted Power Spectral Density

5.2GHz SDR, 10MHz BW

SISO mode (Worst case_ANT2)

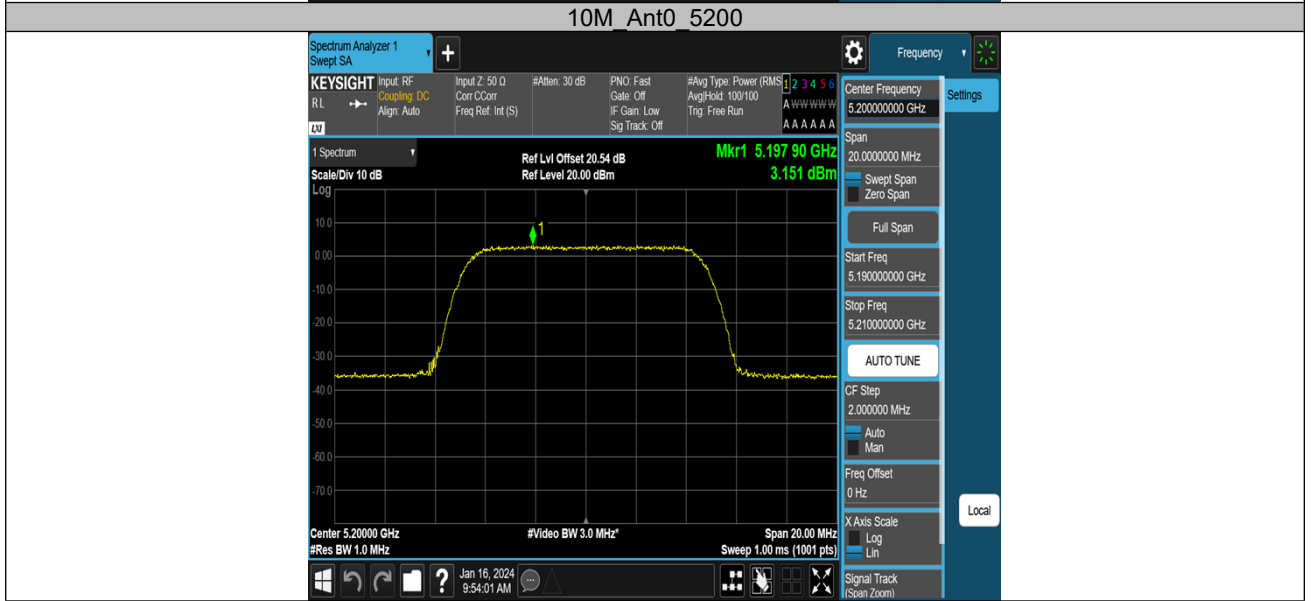
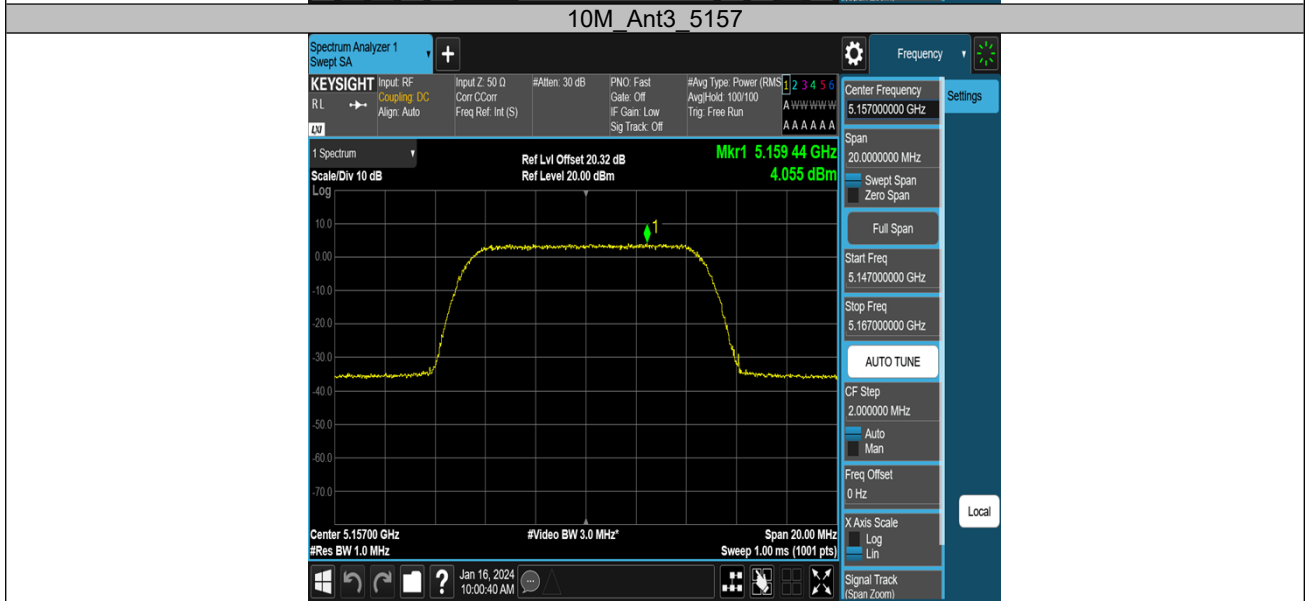
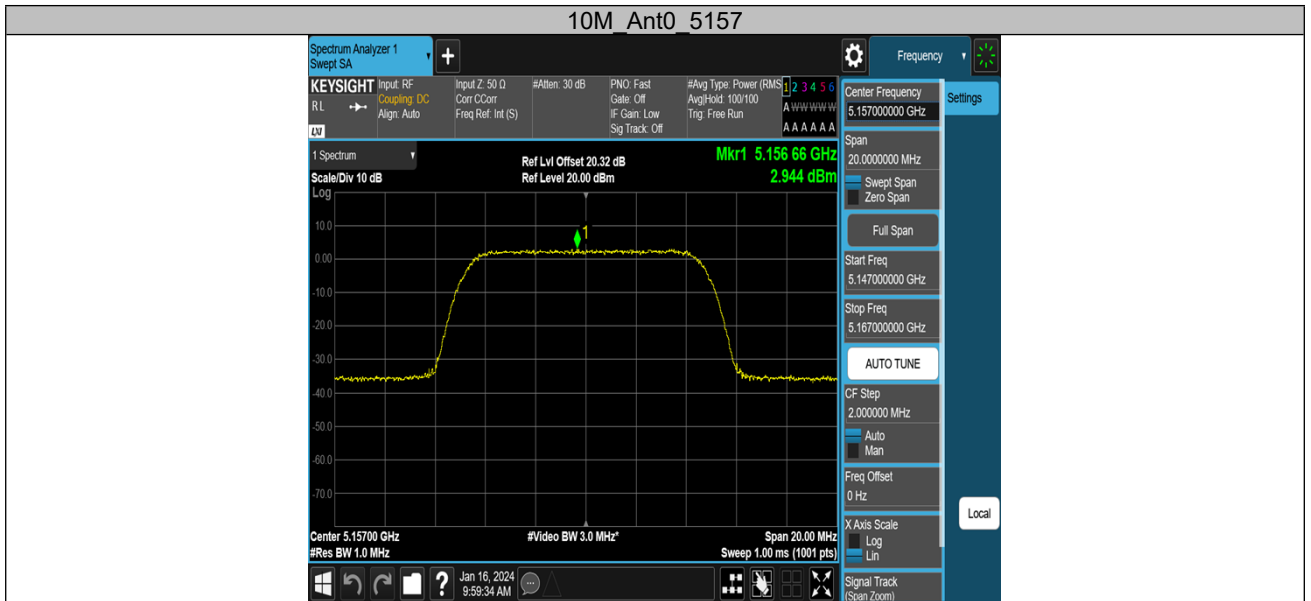
TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant2	5157	6.54	≤11.00	PASS
		5200	7.61	≤11.00	PASS
		5245	7.66	≤11.00	PASS

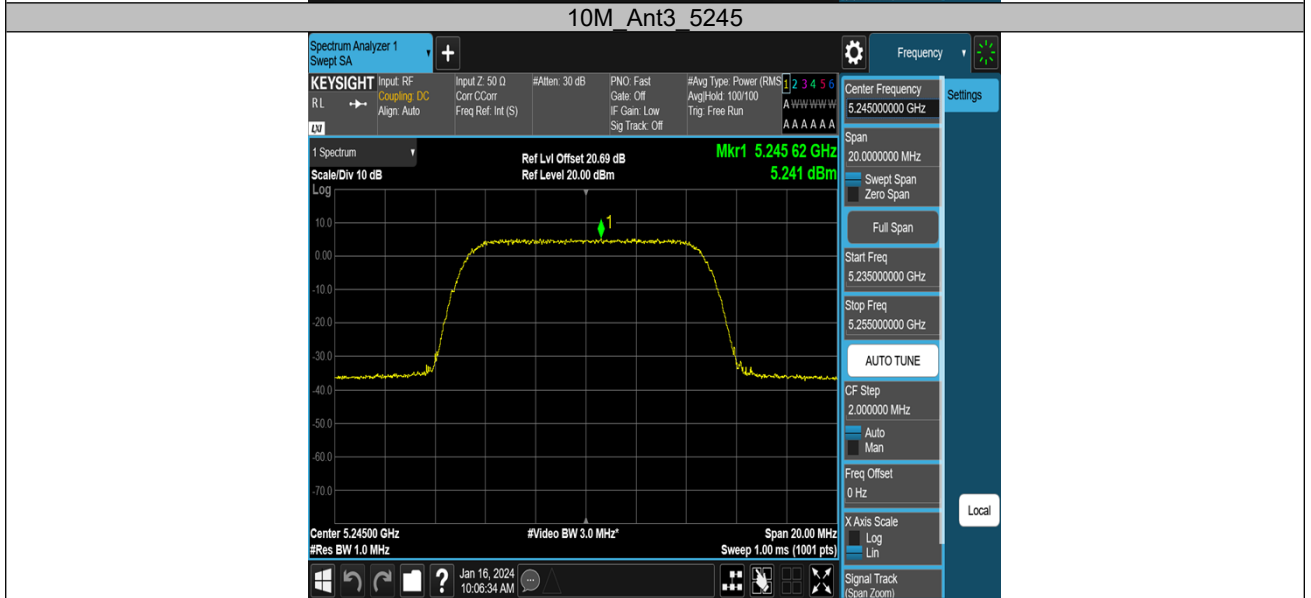
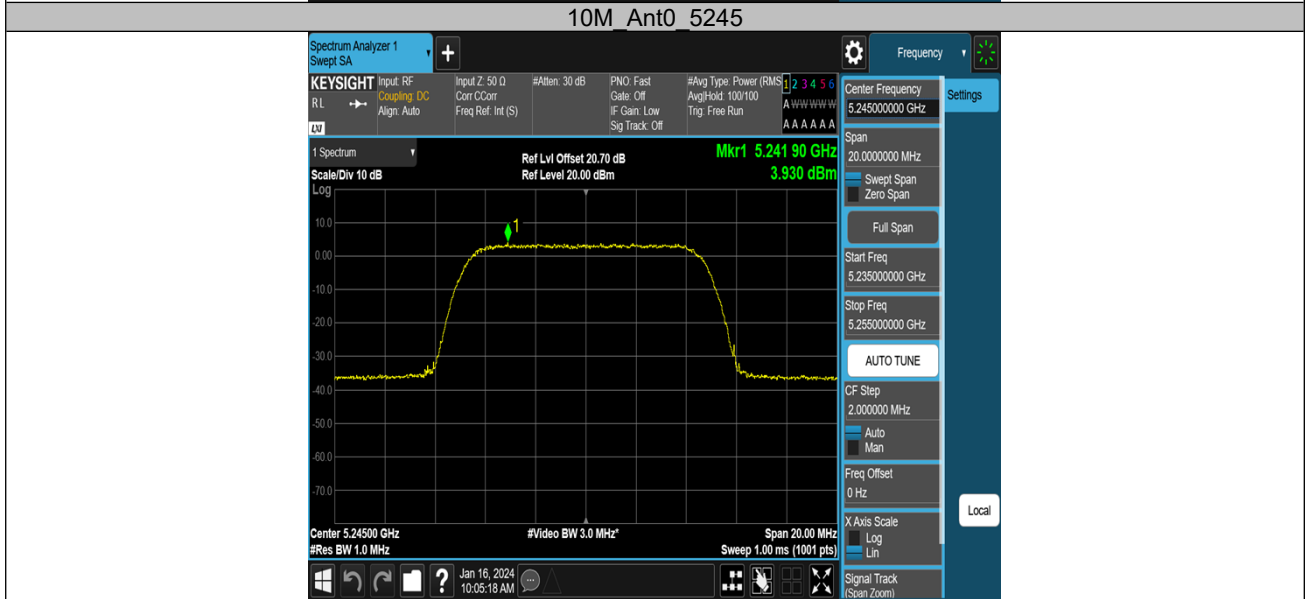
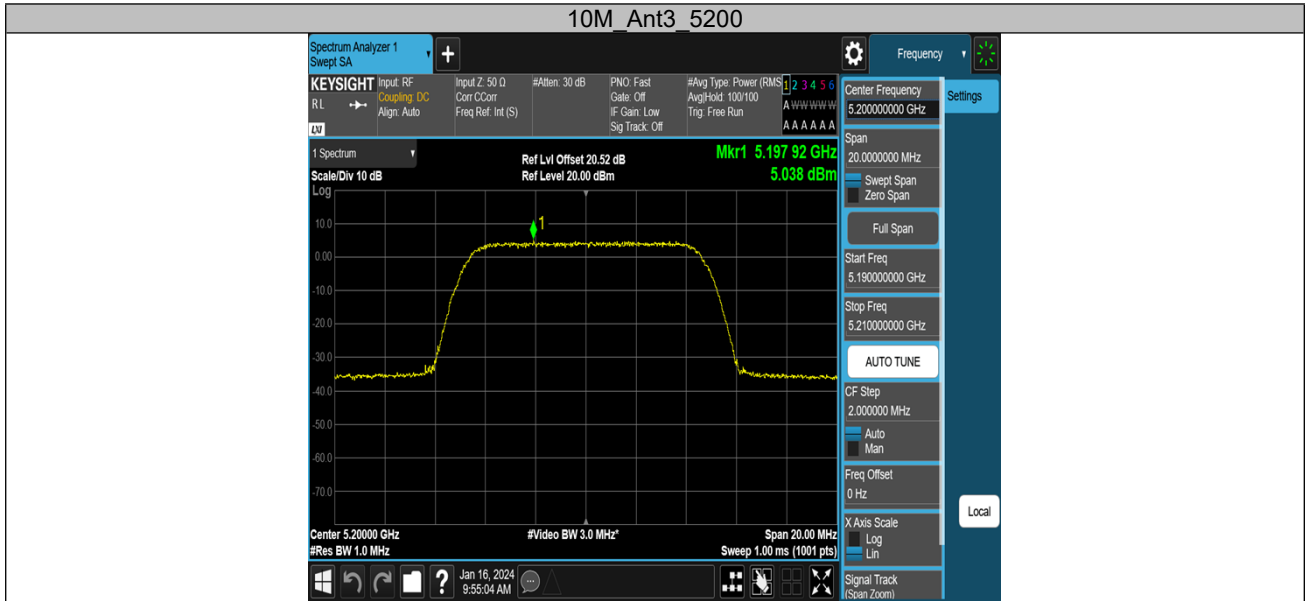




MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant0	5157	2.94	≤11.00	PASS
	Ant3	5157	4.06	≤11.00	PASS
	total	5157	6.55	≤11.00	PASS
	Ant0	5200	3.15	≤11.00	PASS
	Ant3	5200	5.04	≤11.00	PASS
	total	5200	7.21	≤11.00	PASS
	Ant0	5245	3.93	≤11.00	PASS
	Ant3	5245	5.24	≤11.00	PASS
	total	5245	7.64	≤11.00	PASS

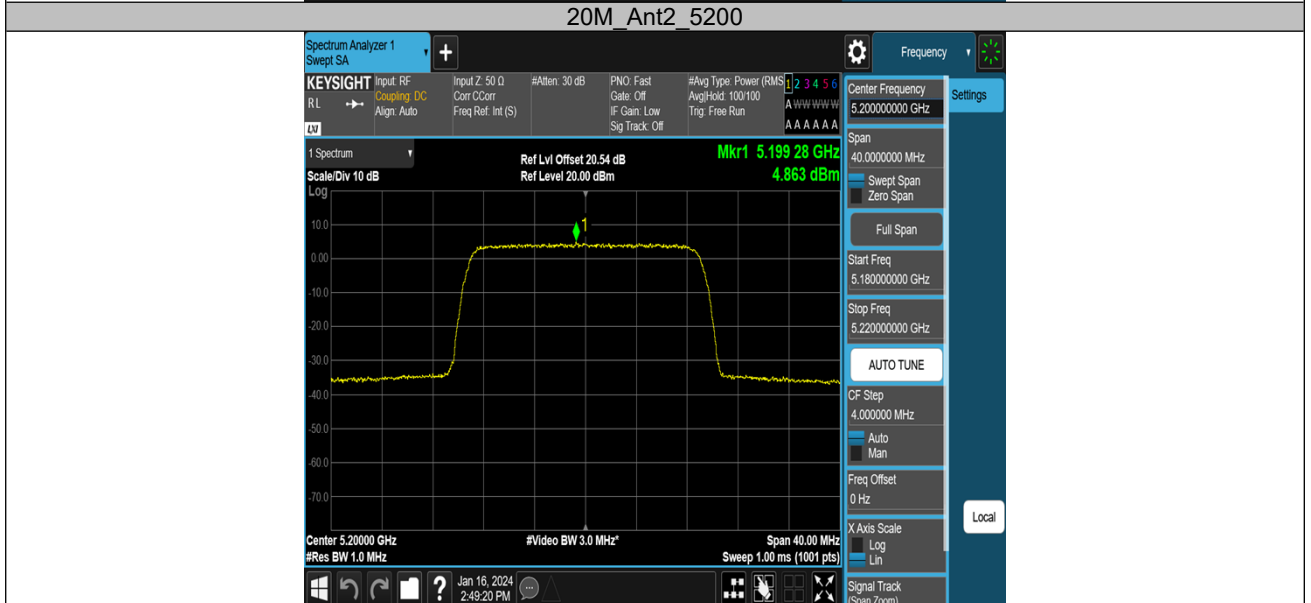
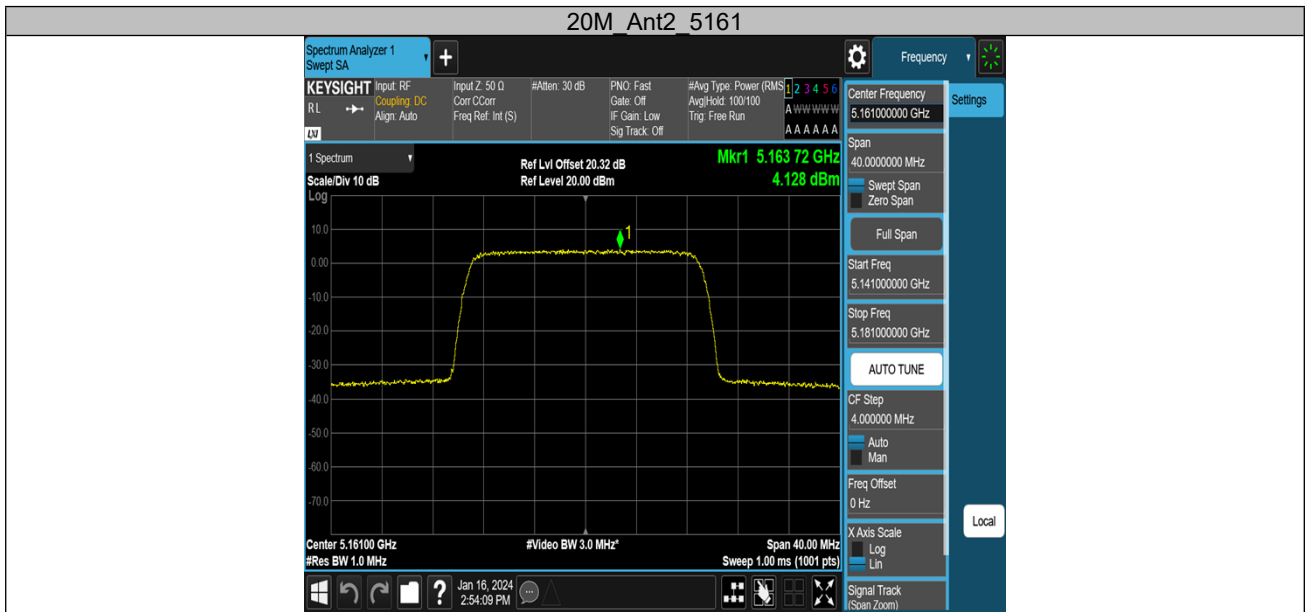


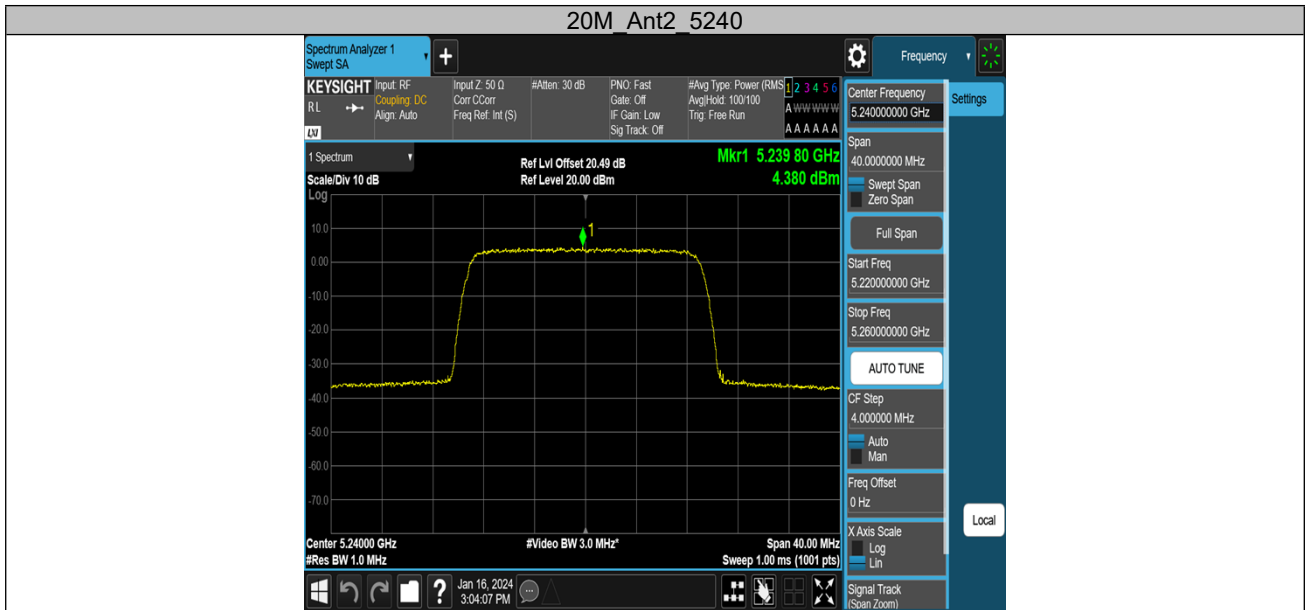


5.2GHz SDR, 20MHz BW

SISO mode (Worst case_ANT2)

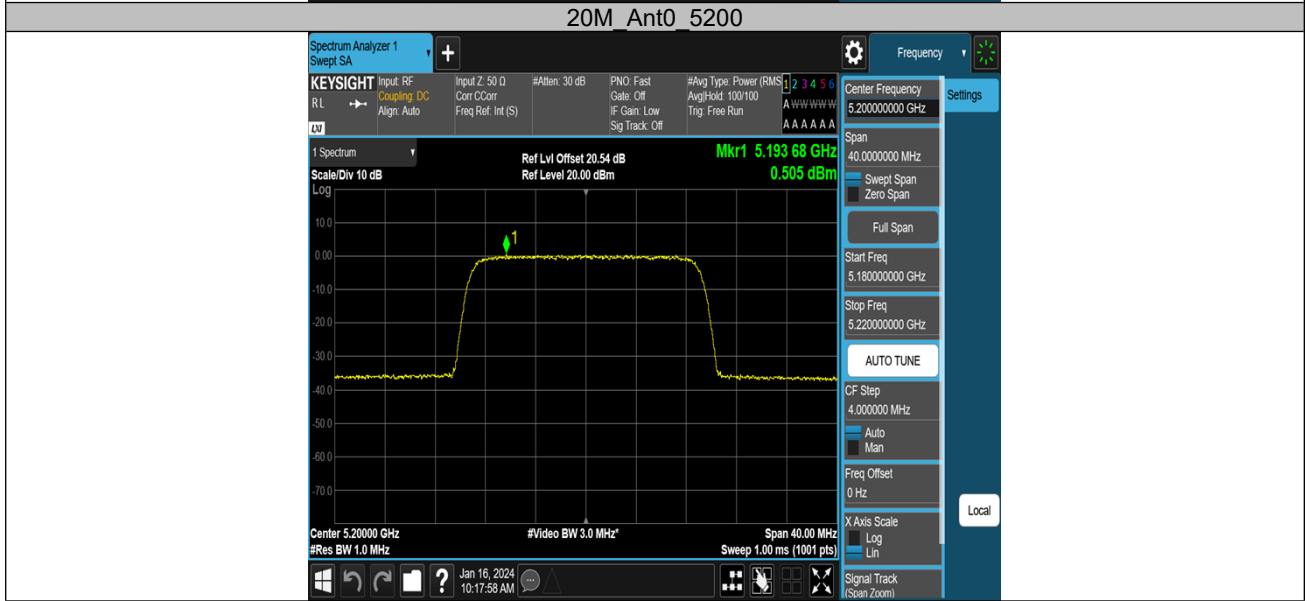
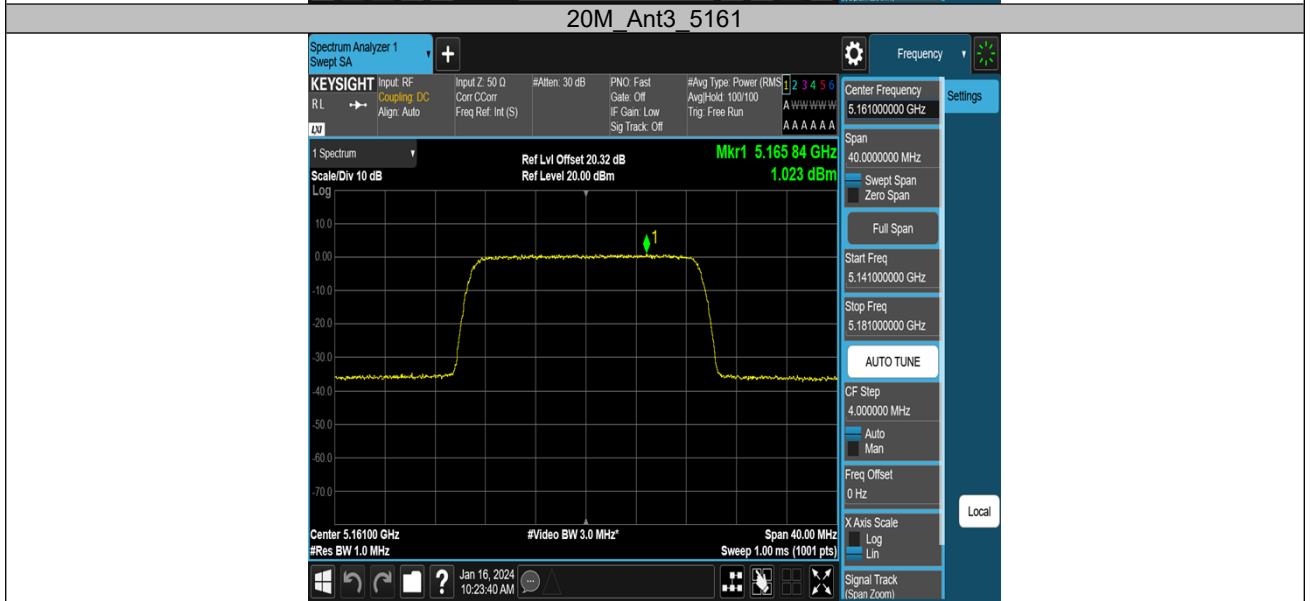
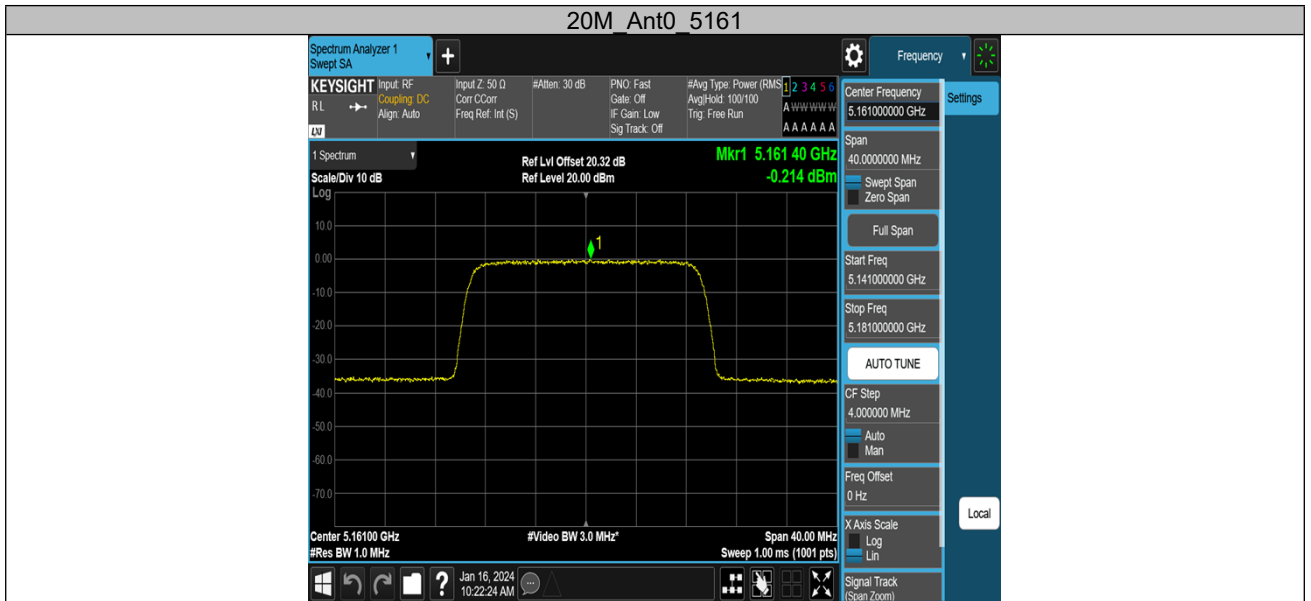
TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant2	5161	4.13	≤11.00	PASS
		5200	4.86	≤11.00	PASS
		5240	4.38	≤11.00	PASS

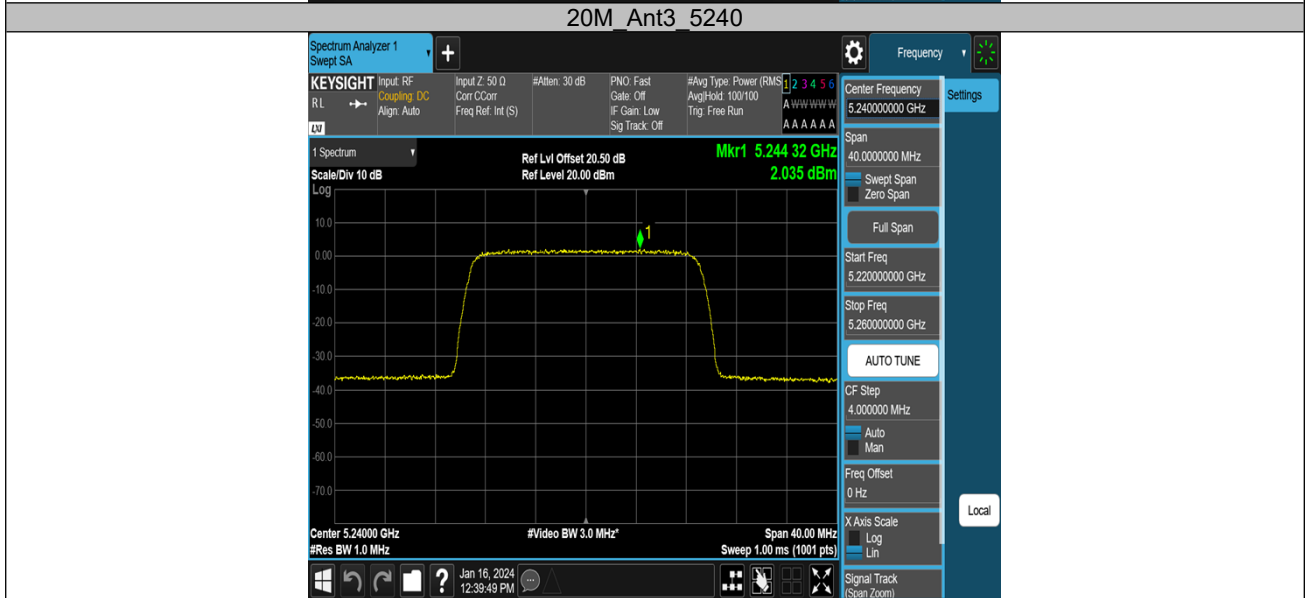
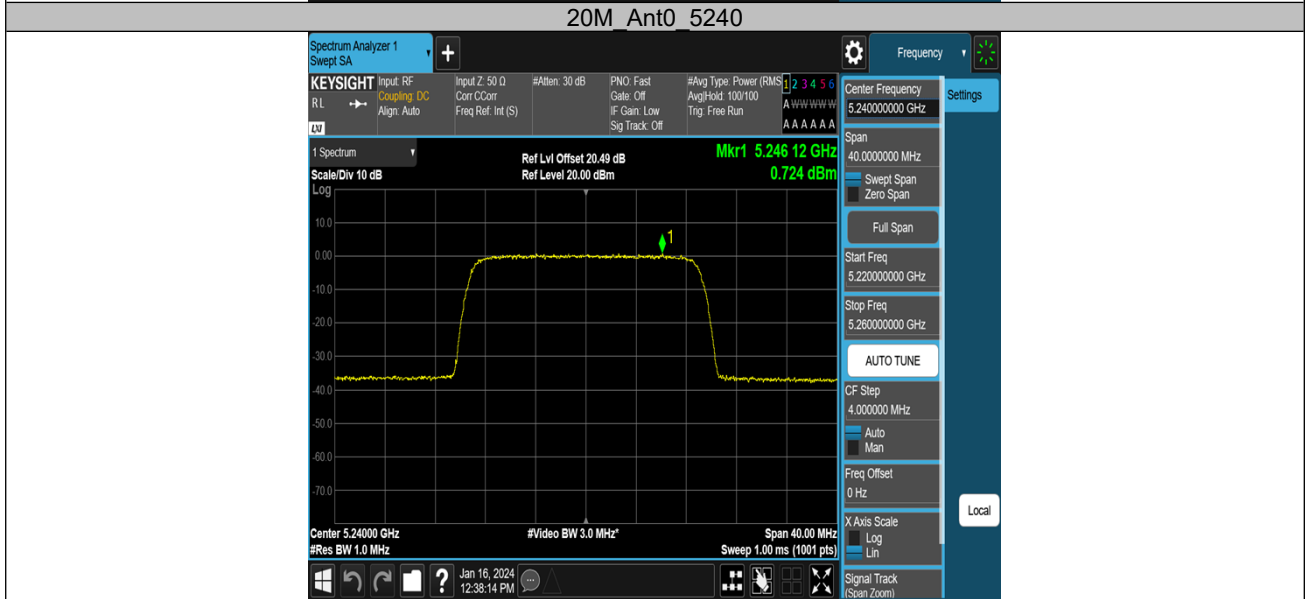
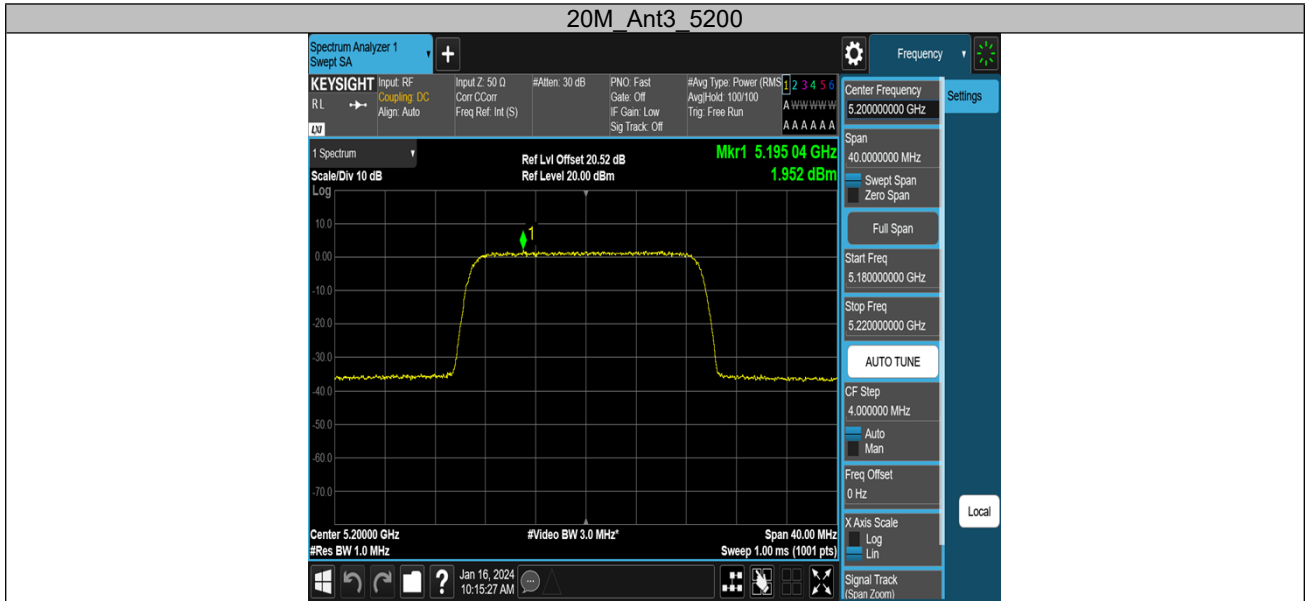




MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant0	5161	-0.21	≤11.00	PASS
	Ant3	5161	1.02	≤11.00	PASS
	total	5161	3.46	≤11.00	PASS
	Ant0	5200	0.51	≤11.00	PASS
	Ant3	5200	1.95	≤11.00	PASS
	total	5200	4.3	≤11.00	PASS
	Ant0	5240	0.72	≤11.00	PASS
	Ant3	5240	2.04	≤11.00	PASS
	total	5240	4.44	≤11.00	PASS

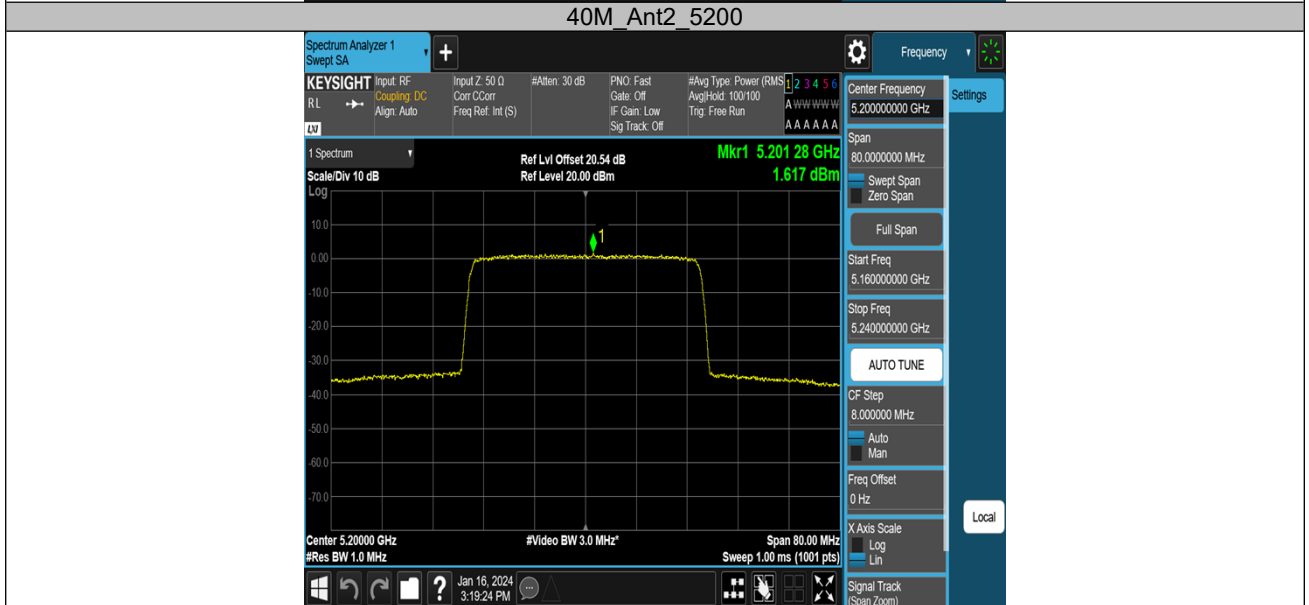
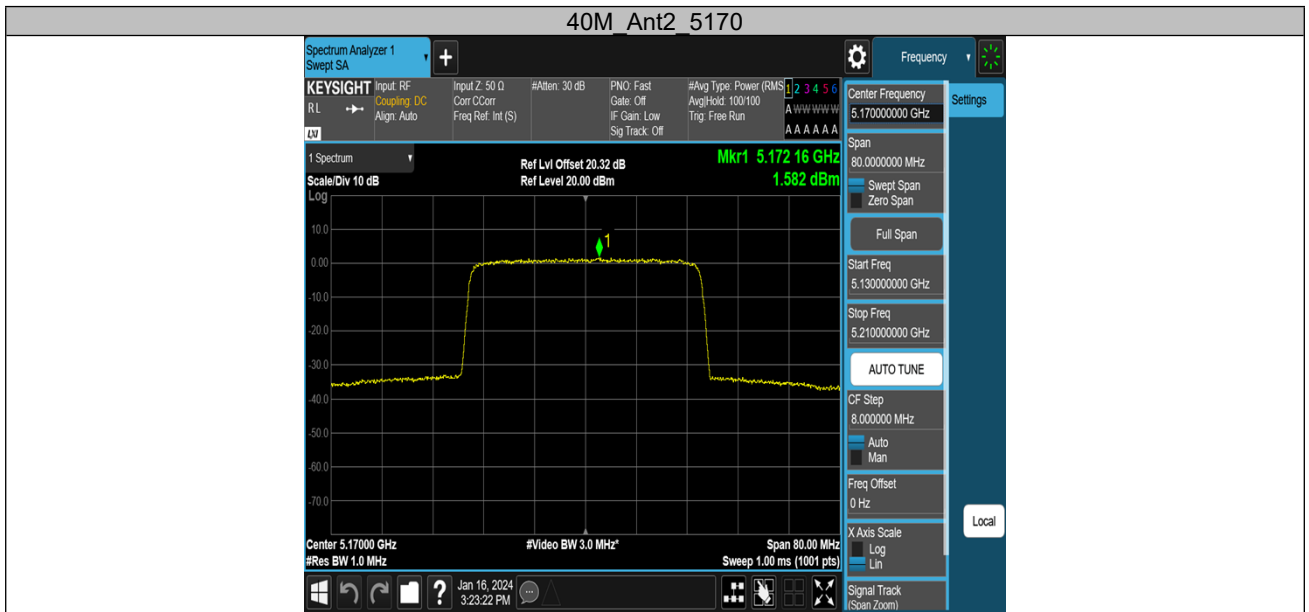


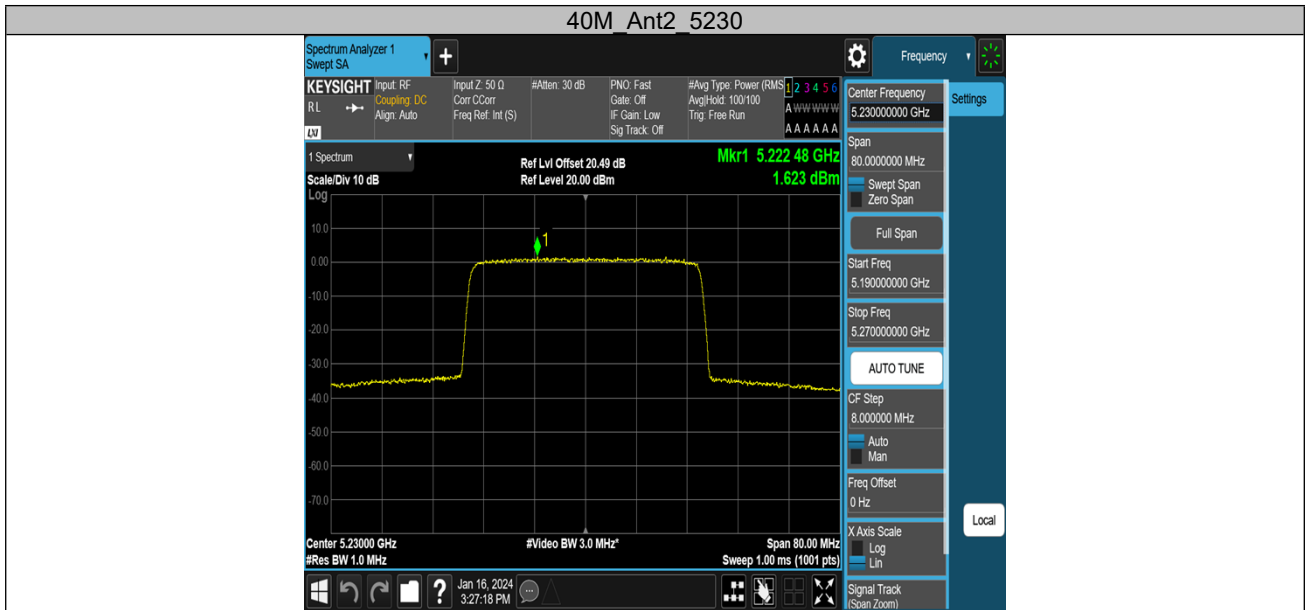


5.2GHz SDR, 40MHz BW

SISO mode (Worst case_ANT2)

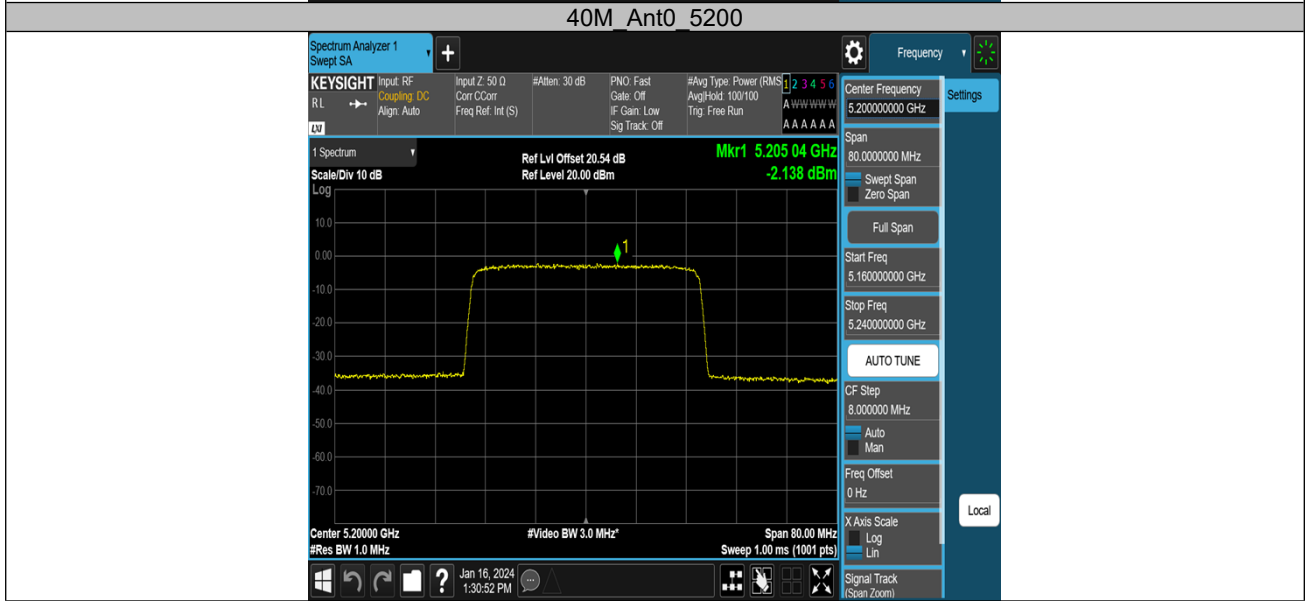
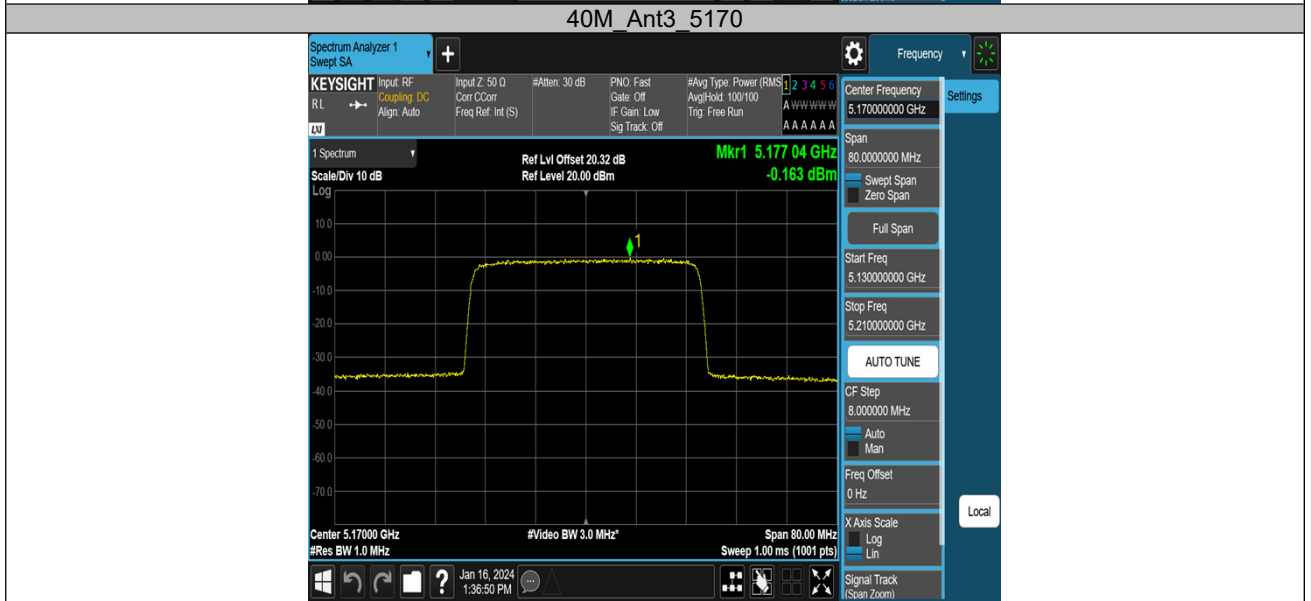
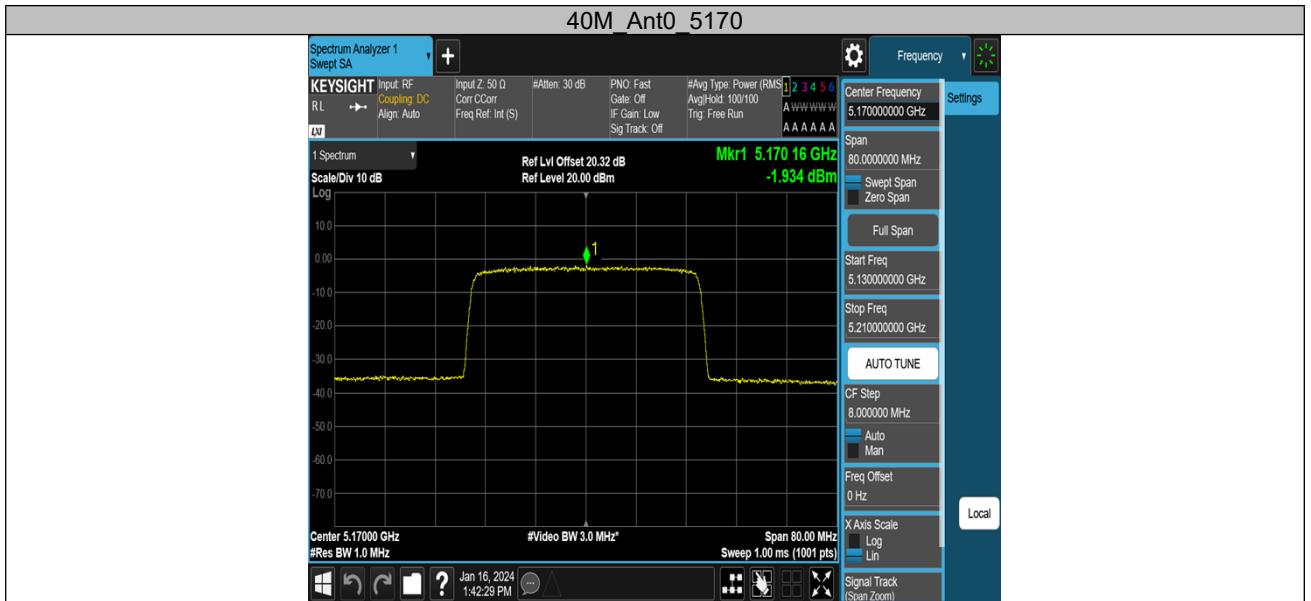
TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
40M	Ant2	5170	1.58	≤11.00	PASS
		5200	1.62	≤11.00	PASS
		5230	1.62	≤11.00	PASS

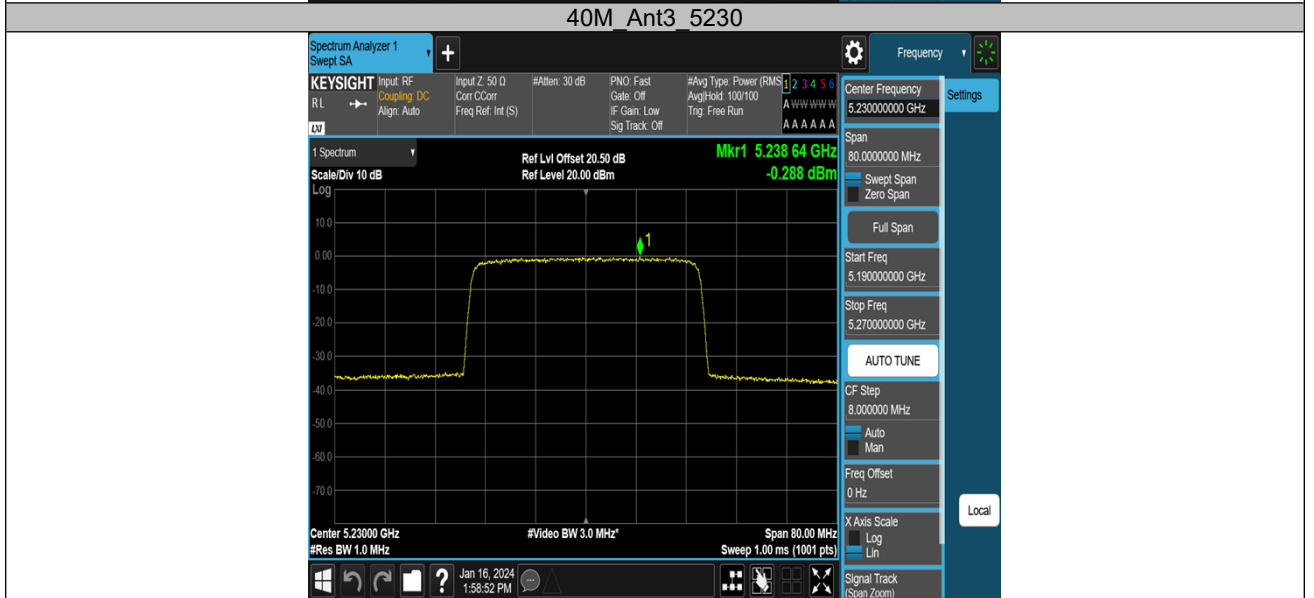
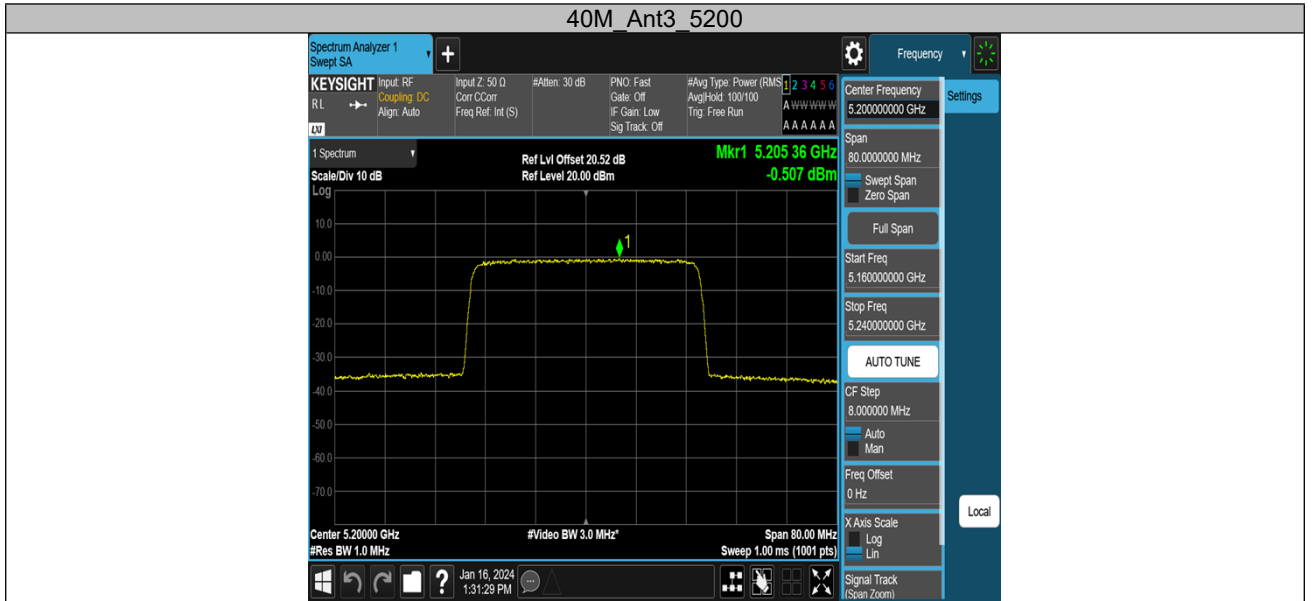




MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
40M	Ant0	5170	-1.93	≤11.00	PASS
	Ant3	5170	-0.16	≤11.00	PASS
	total	5170	2.05	≤11.00	PASS
	Ant0	5200	-2.14	≤11.00	PASS
	Ant3	5200	-0.51	≤11.00	PASS
	total	5200	1.76	≤11.00	PASS
	Ant0	5230	-2.12	≤11.00	PASS
	Ant3	5230	-0.29	≤11.00	PASS
	total	5230	1.9	≤11.00	PASS





Appendix A.2: Test Results of Frequency Stability

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT0+ANT3) was presented in this report.

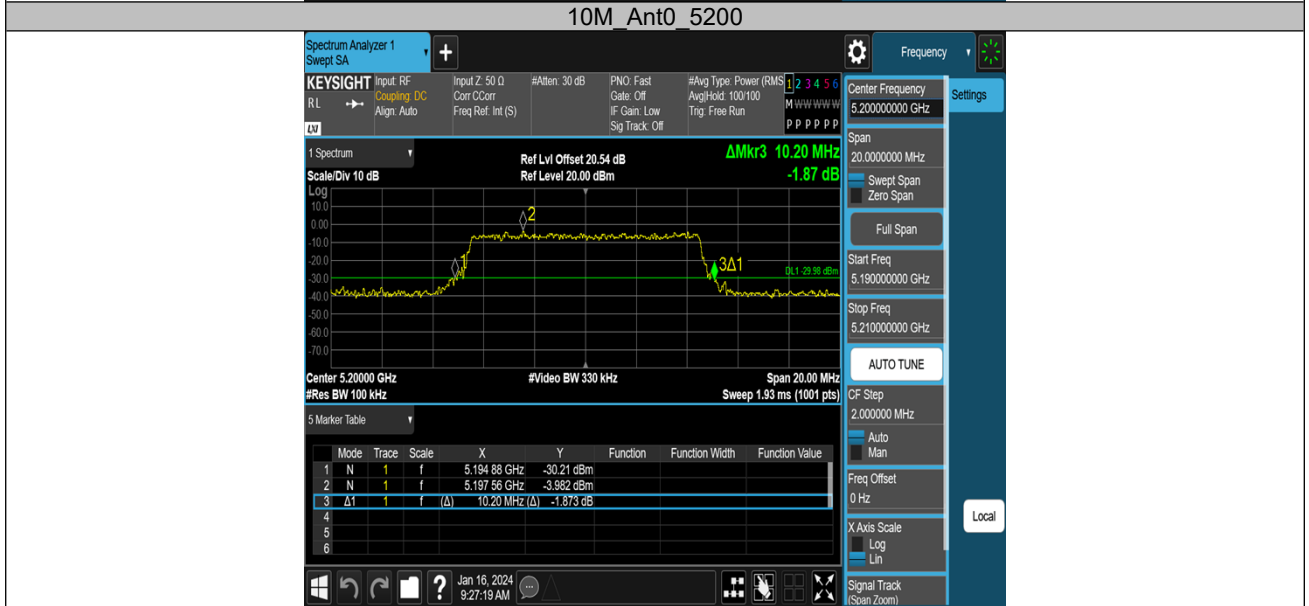
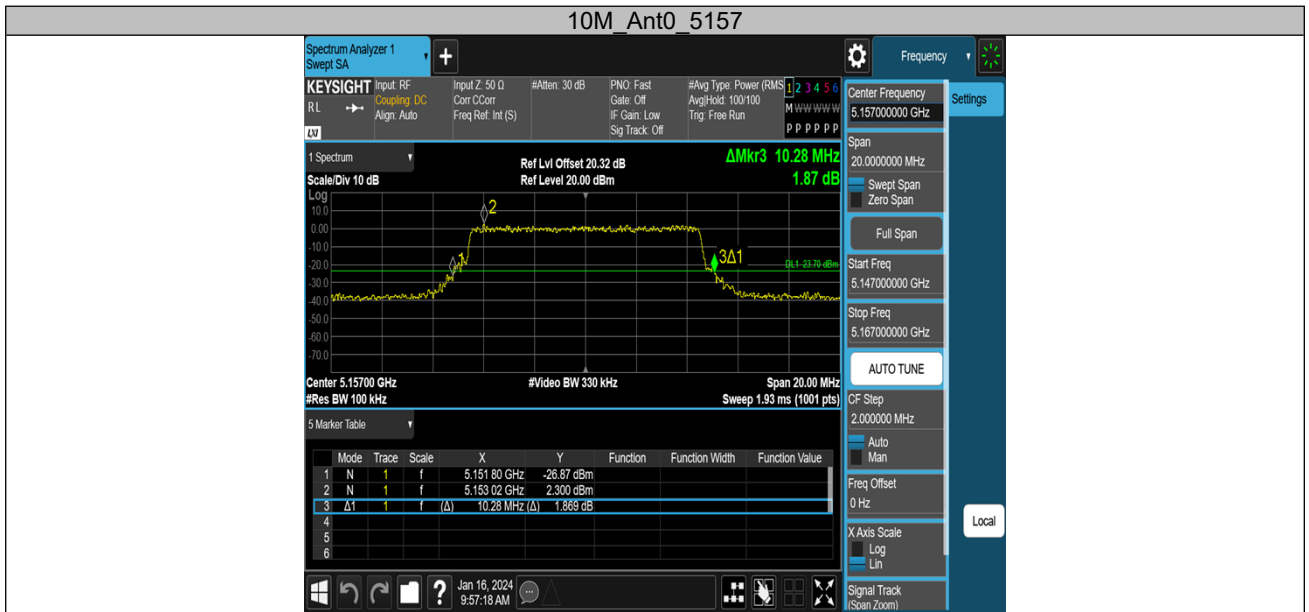
Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant0	5157	na	-5000.00	-0.969556	20	PASS
		5200	na	-5000.00	-0.961538	20	PASS
		5245	na	-5000.00	-0.953289	20	PASS
20MHz	Ant0	5161	na	-4000.00	-0.775044	20	PASS
		5200	na	-5000.00	-0.961538	20	PASS
		5240	na	-4000.00	-0.763359	20	PASS
40MHz	Ant0	5170	na	-4000.00	-0.773694	20	PASS
		5200	na	-4000.00	-0.769231	20	PASS
		5230	na	-4000.00	-0.764818	20	PASS

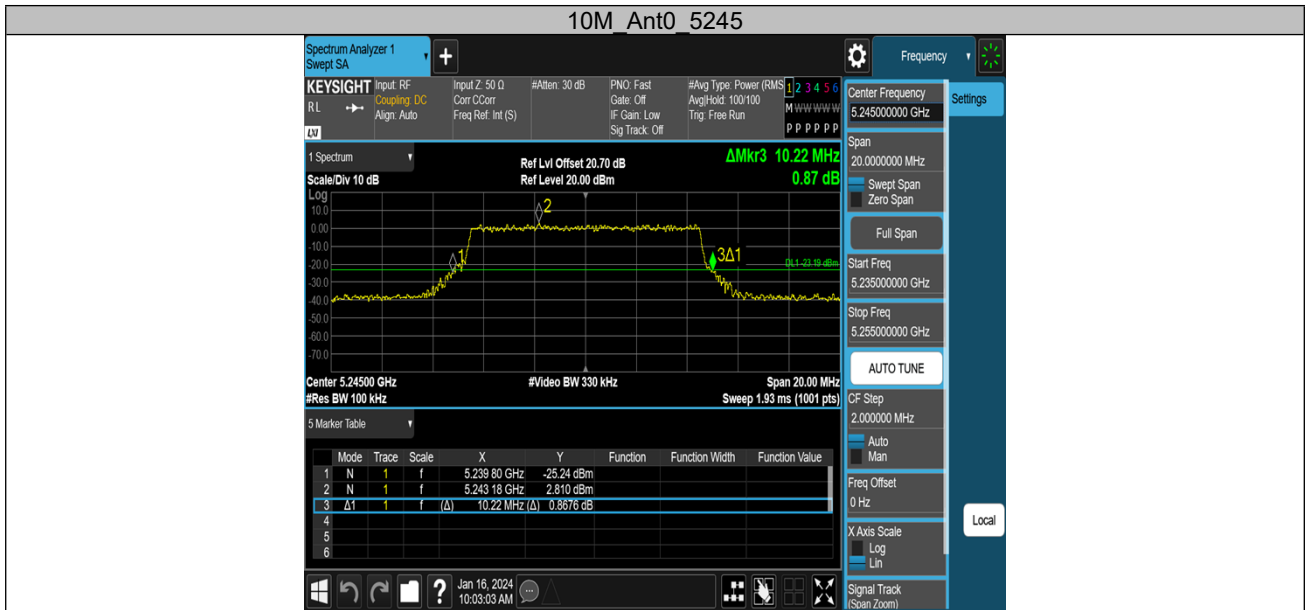
Appendix A.3: Test Results of 26dB Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT0+ANT3) was presented in this report.

5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant0	5157	10.280	5151.800	5162.080	---	PASS
		5200	10.200	5194.880	5205.080	---	PASS
		5245	10.220	5239.800	5250.020	---	PASS





5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant0	5161	18.680	5151.680	5170.360	---	PASS
		5200	19.080	5190.640	5209.720	---	PASS
		5240	19.120	5230.360	5249.480	---	PASS

