

Appendix A: Test Results of 5.2G SDR

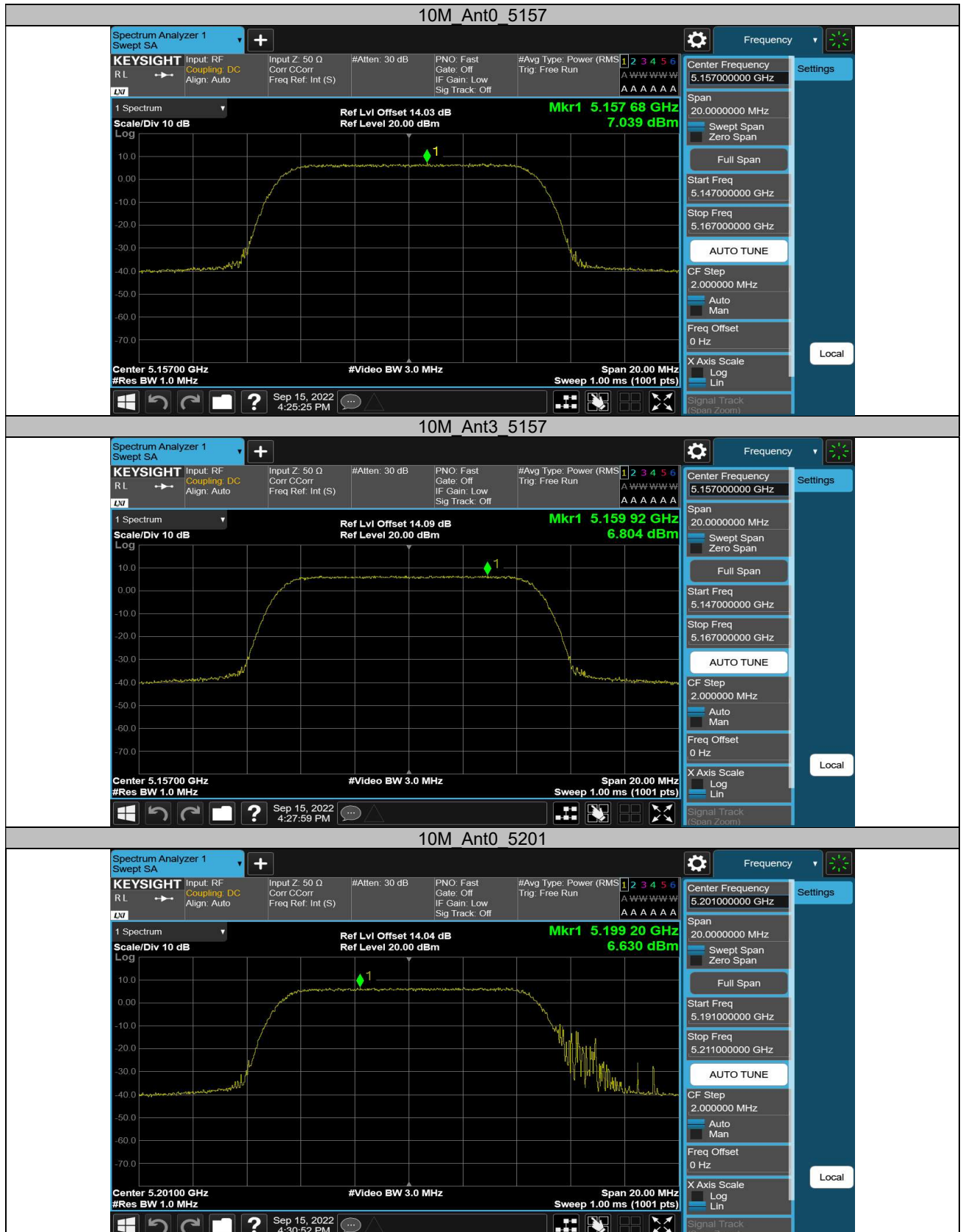
APPENDIX A: TEST RESULTS OF 5.2G SDR	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX A.2: TEST RESULTS OF FREQUENCY STABILITY	9
APPENDIX A.3: TEST RESULTS OF 26dB BANDWIDTH	10
APPENDIX A.4: TEST RESULTS OF 99% BANDWIDTH	14
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	18
30MHz - 1GHz (Worst case)	18
1GHz - 18GHz	20

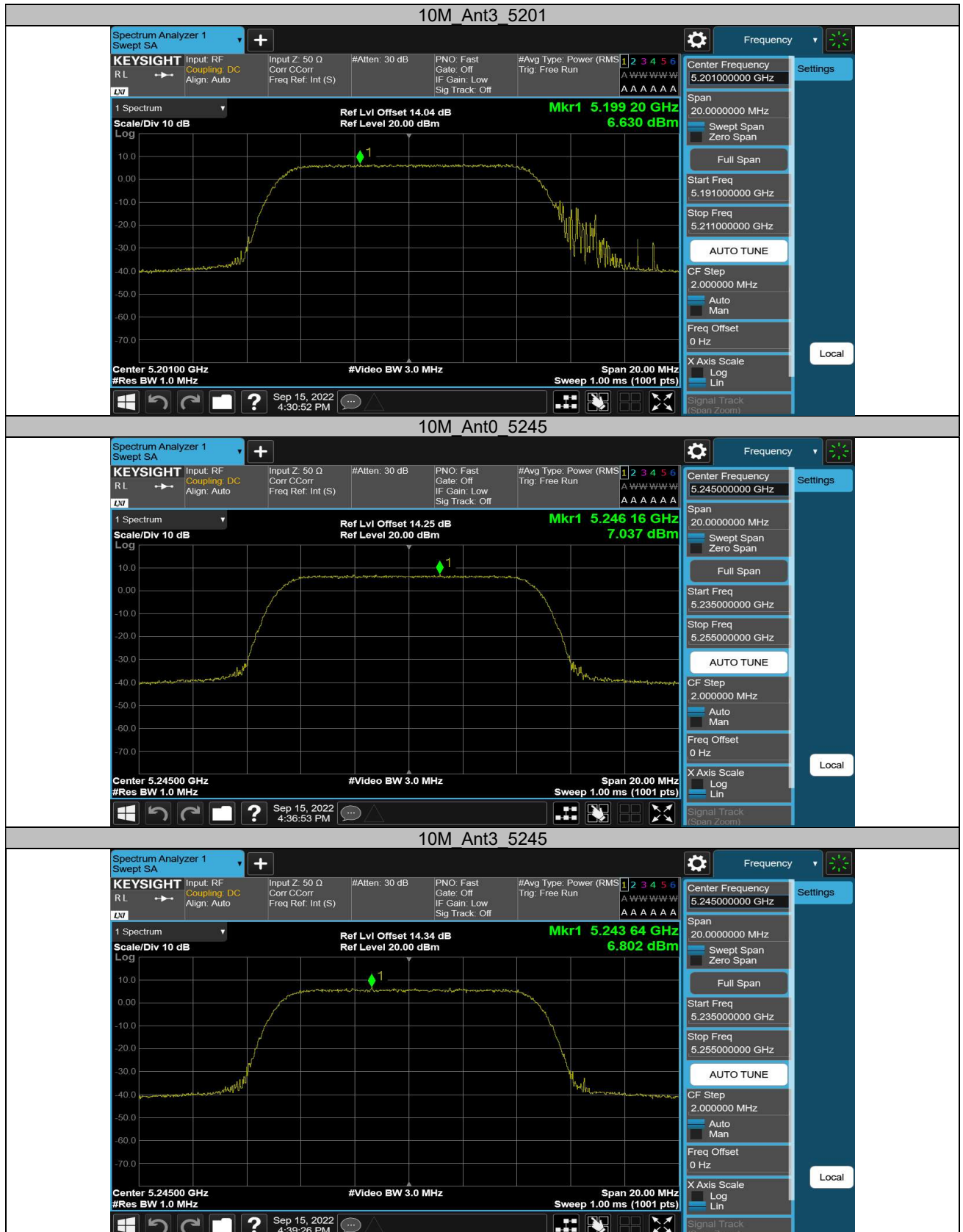
Note: All testing were carried out on SISO mode and MIMO mode, but only the worst case was presented in this report.

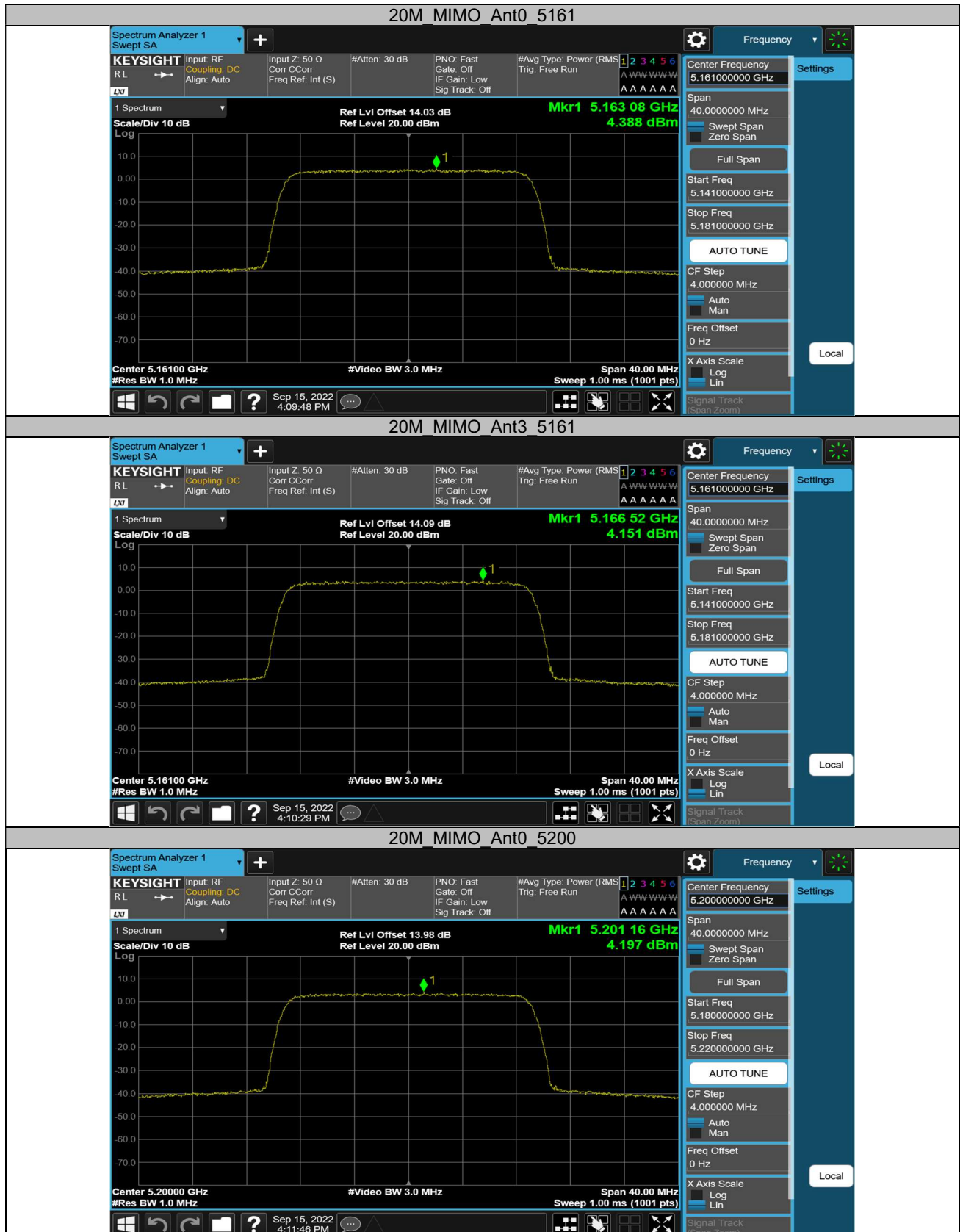
Appendix A.1: Test Results of Conducted Power Spectral Density

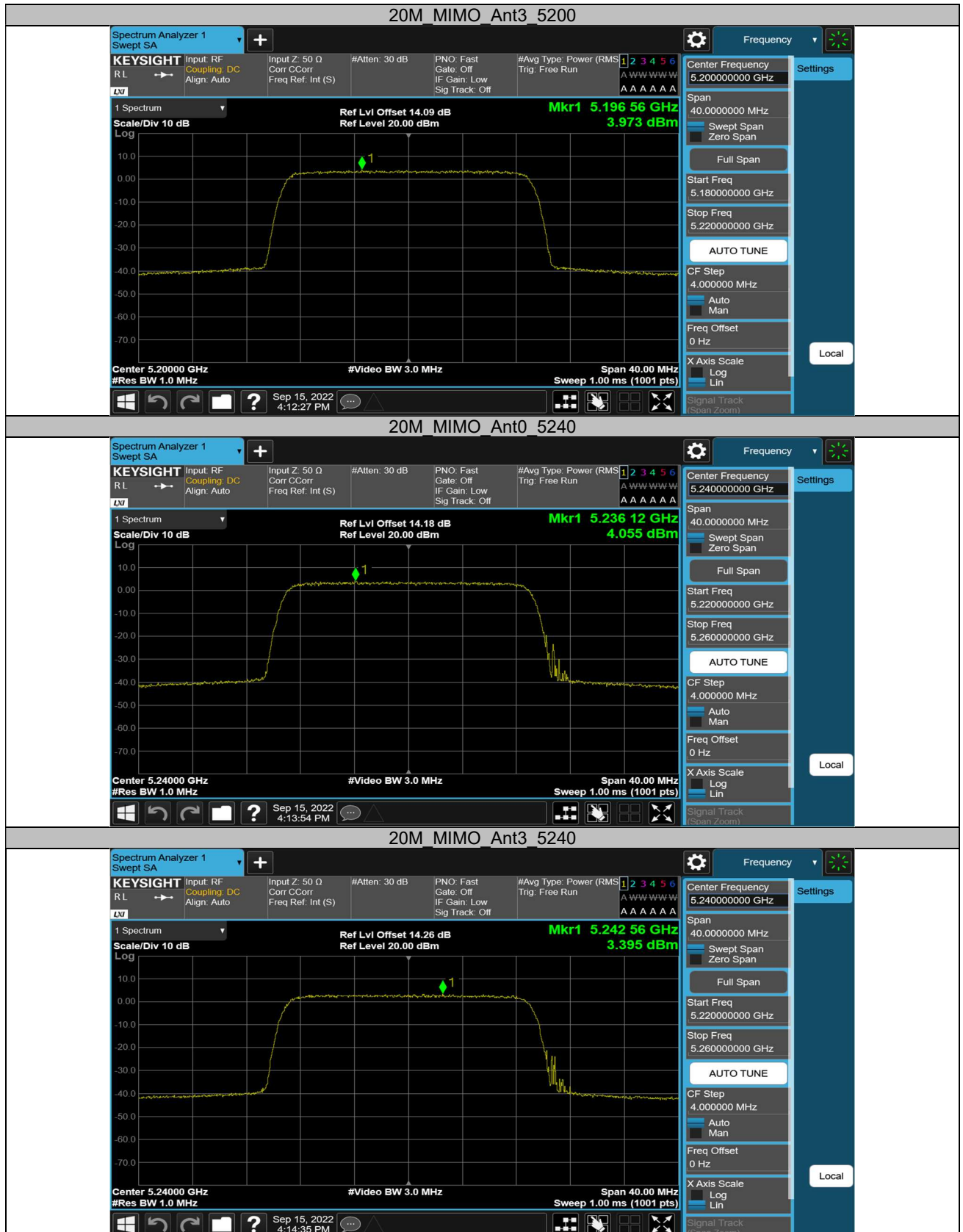
TestMode	Antenna	Channel	Result[dBm/1MHz]	Limit[dBm/1MHz]	Verdict
10M	5157	Ant0	7.04	≤11	PASS
		Ant3	6.80	≤11	PASS
		Total	9.93	≤11	PASS
	5201	Ant0	6.63	≤11	PASS
		Ant3	6.97	≤11	PASS
		Total	9.81	≤11	PASS
	5245	Ant0	7.04	≤11	PASS
		Ant3	6.80	≤11	PASS
		Total	9.93	≤11	PASS

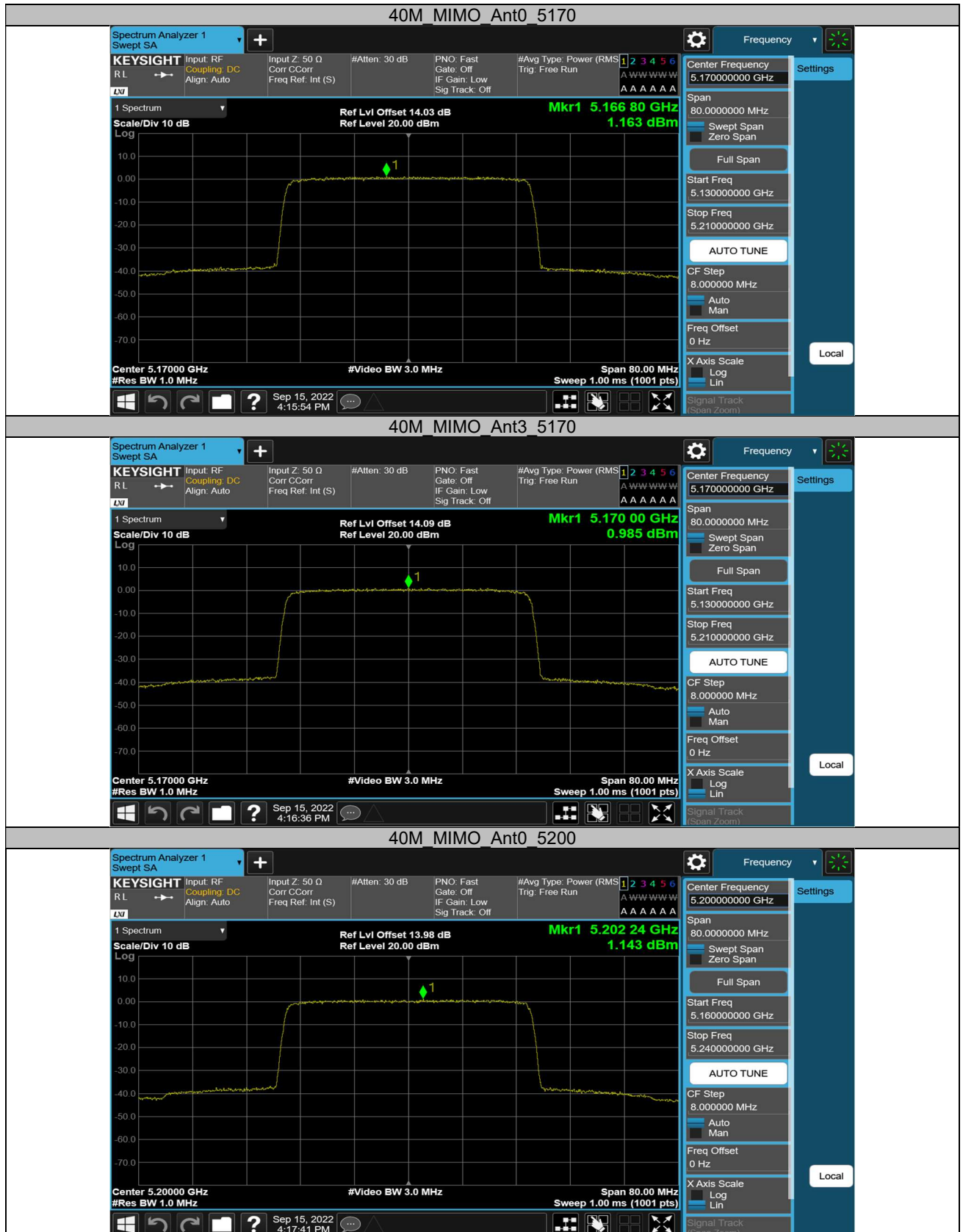
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant0	5161	4.39	≤11.00	PASS
	Ant3	5161	4.15	≤11.00	PASS
	total	5161	7.28	≤11.00	PASS
	Ant0	5200	4.20	≤11.00	PASS
	Ant3	5200	3.97	≤11.00	PASS
	total	5200	7.10	≤11.00	PASS
	Ant0	5240	4.06	≤11.00	PASS
	Ant3	5240	3.40	≤11.00	PASS
	total	5240	6.75	≤11.00	PASS
40M	Ant0	5170	1.16	≤11.00	PASS
	Ant3	5170	0.99	≤11.00	PASS
	total	5170	4.09	≤11.00	PASS
	Ant0	5200	1.14	≤11.00	PASS
	Ant3	5200	1.05	≤11.00	PASS
	total	5200	4.11	≤11.00	PASS
	Ant0	5230	1.36	≤11.00	PASS
	Ant3	5230	0.69	≤11.00	PASS
	total	5230	4.05	≤11.00	PASS

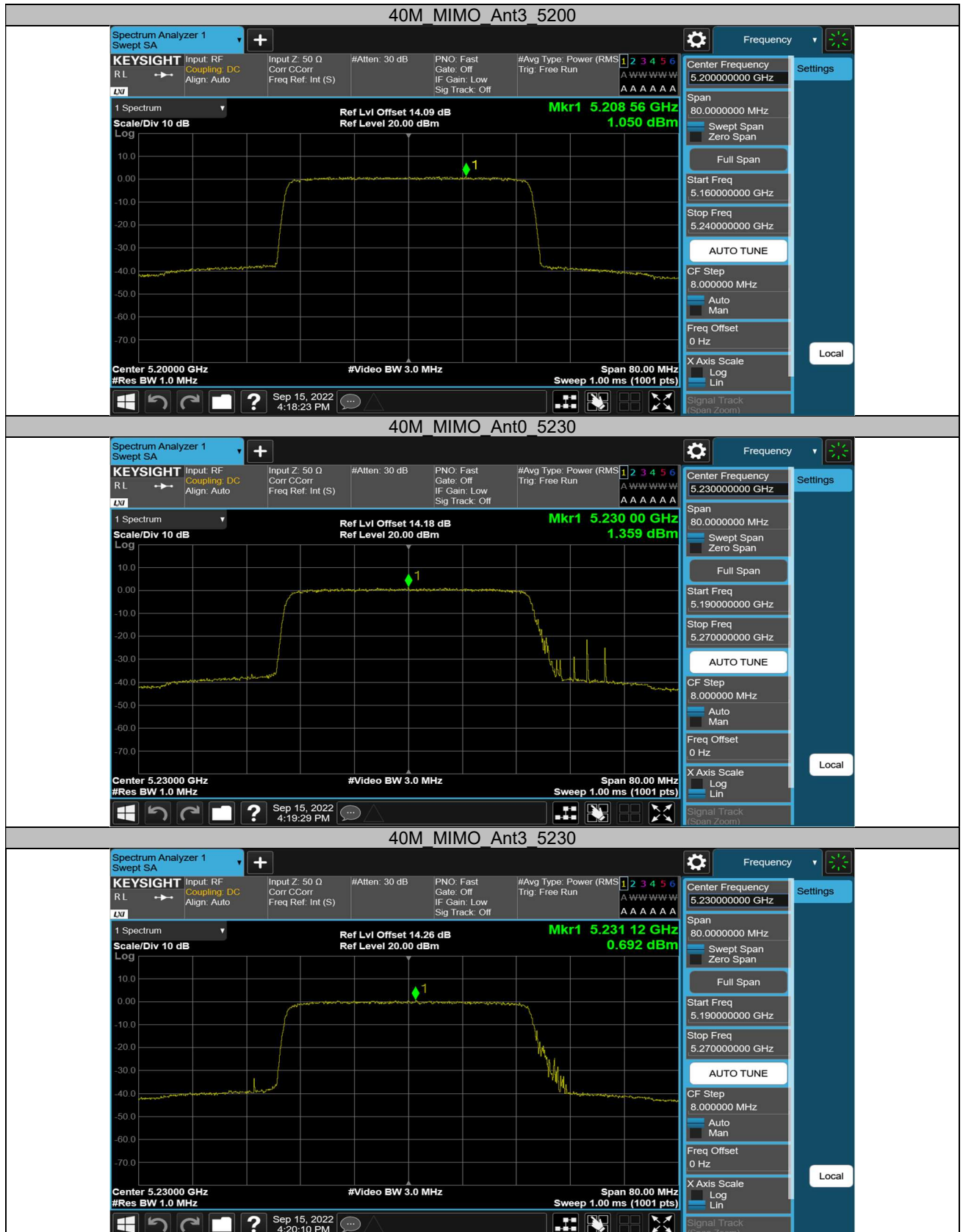












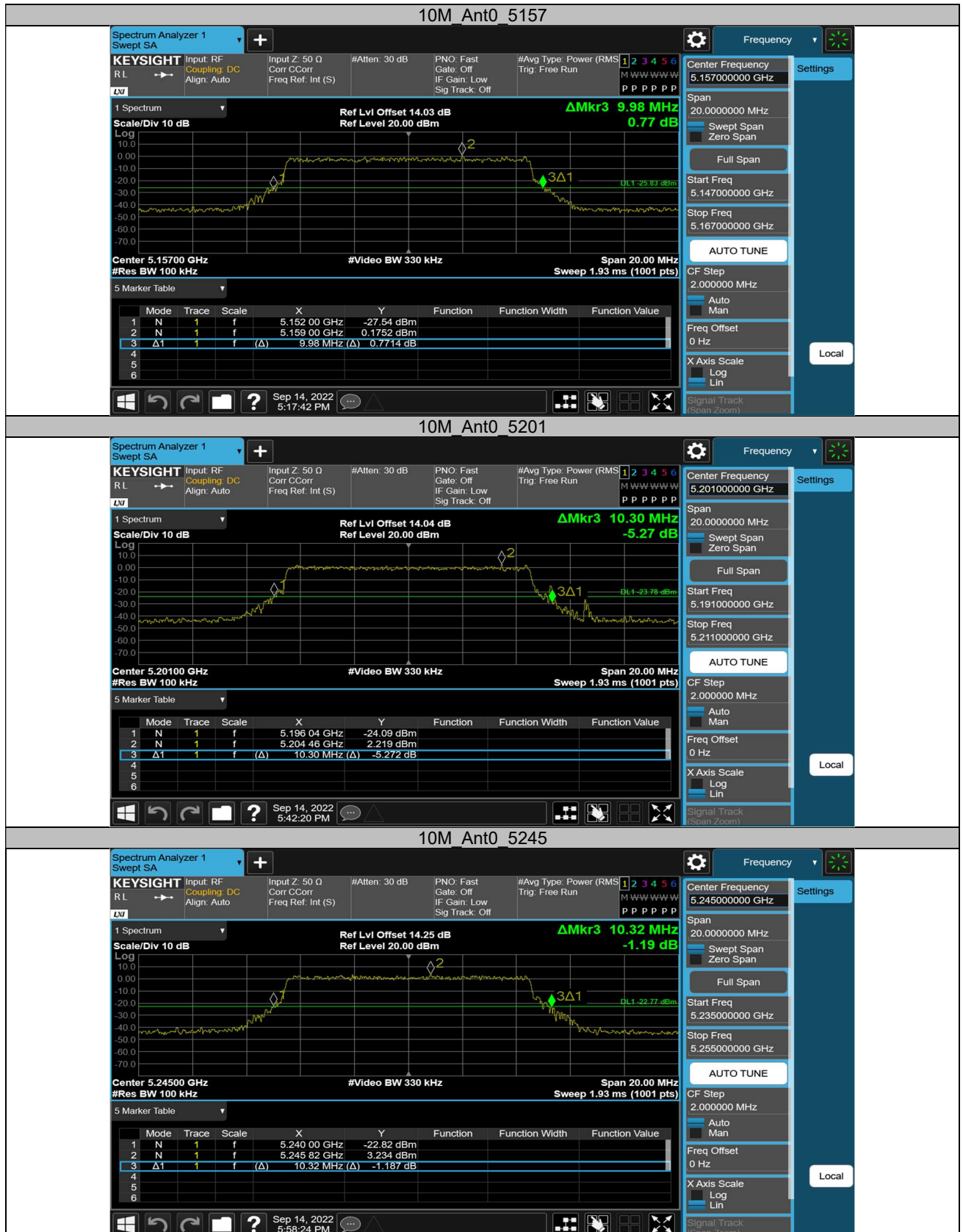
Appendix A.2: Test Results of Frequency Stability

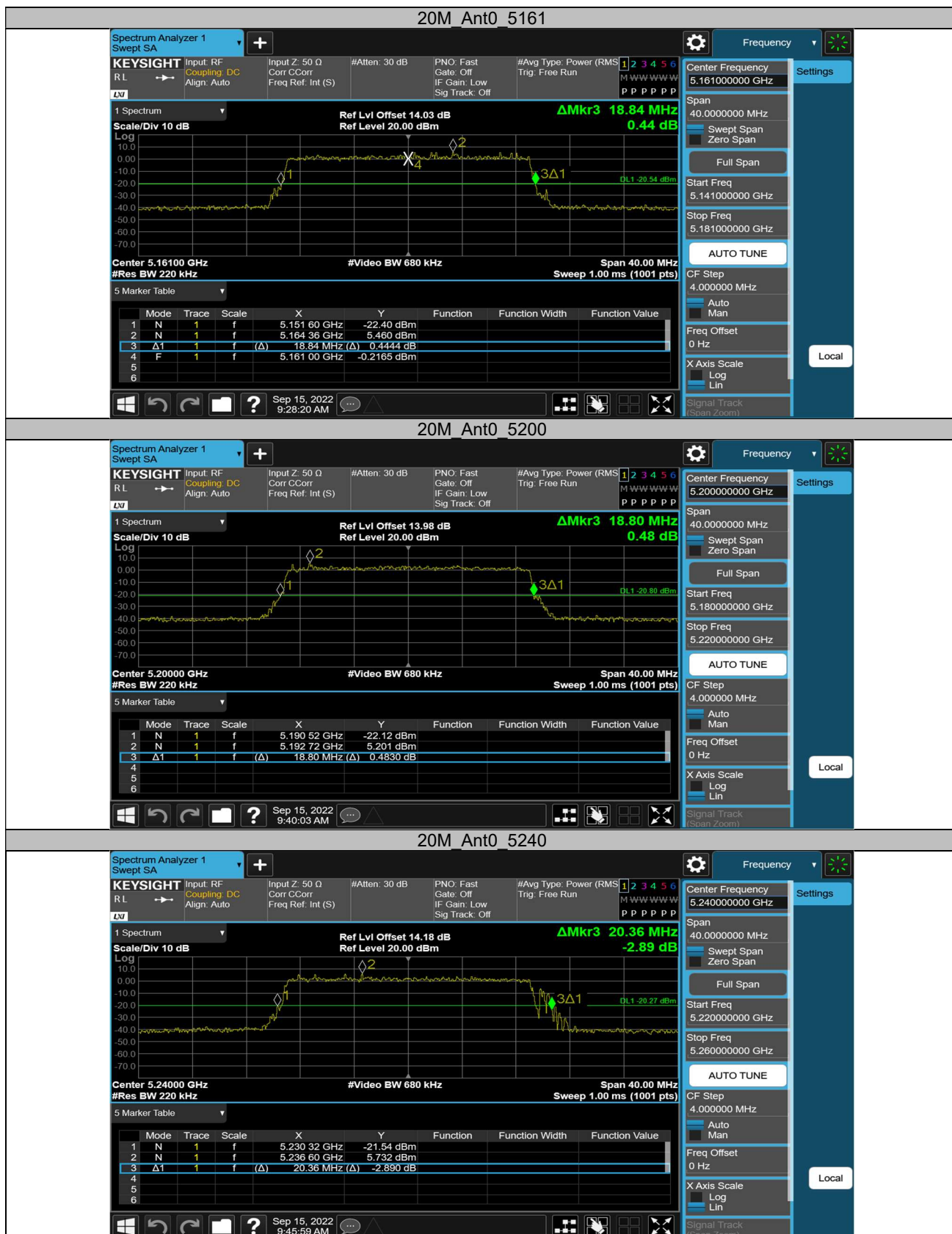
Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10M	Ant0	5157	NV	NT	-10000.00	-1.939112	20	PASS
		5201	NV	NT	-10000.00	-1.922707	20	PASS
		5245	NV	NT	-10000.00	-1.906578	20	PASS
20M	Ant0	5161	NV	NT	-6000.00	-1.162565	20	PASS
		5200	NV	NT	-6000.00	-1.153846	20	PASS
		5240	NV	NT	-6000.00	-1.145038	20	PASS
40M	Ant0	5170	NV	NT	-6000.00	-1.160542	20	PASS
		5200	NV	NT	-4000.00	-0.769231	20	PASS
		5230	NV	NT	-4000.00	-0.764818	20	PASS

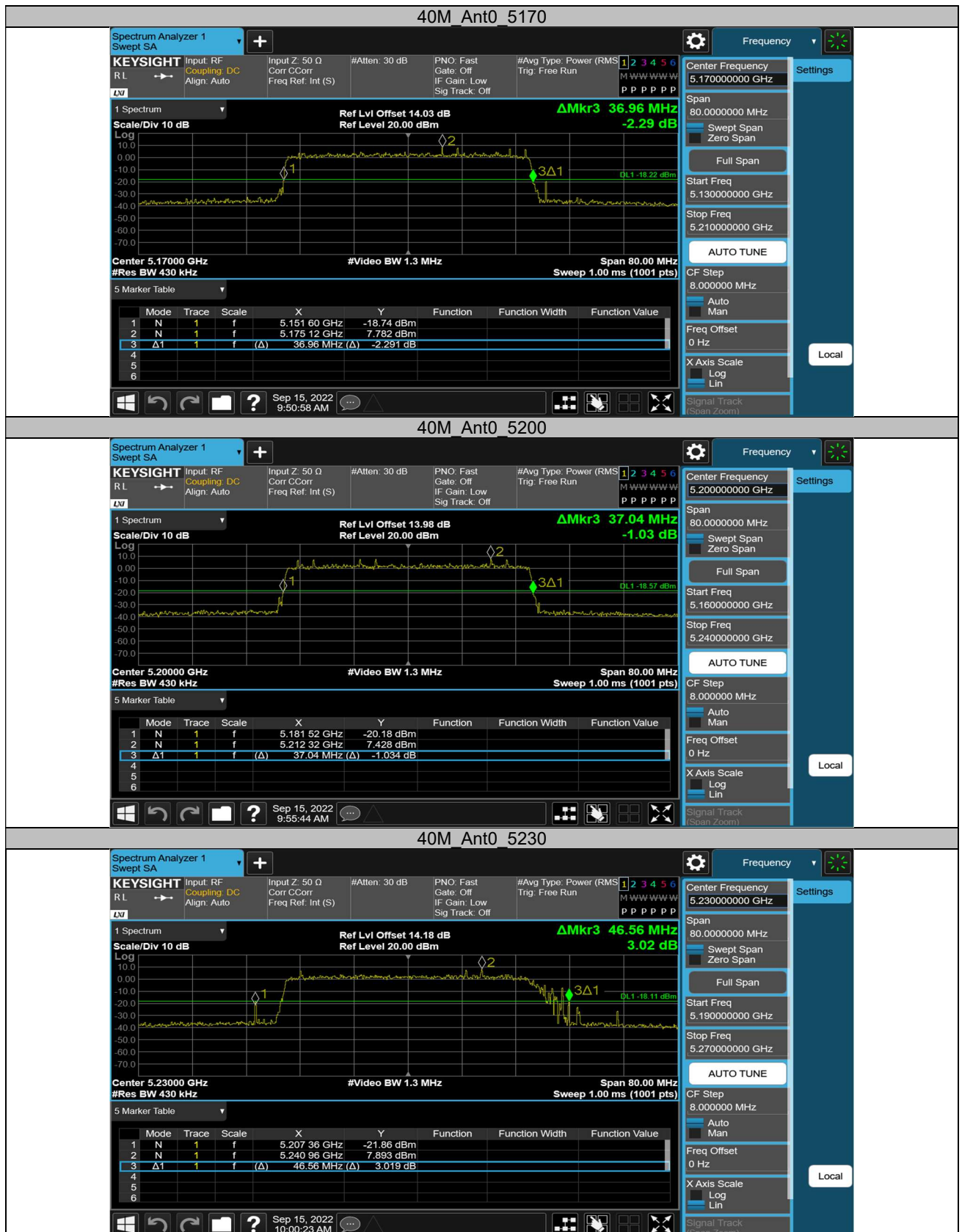
Appendix A.3: Test Results of 26dB Bandwidth

TestMode	Antenna	Channel	26dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant0	5157	9.980	5152.000	5161.980	---	PASS
		5201	10.300	5196.040	5206.340	---	PASS
		5245	10.320	5240.000	5250.320	---	PASS

TestMode	Antenna	Channel	26dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant0	5161	18.840	5151.600	5170.440	---	PASS
		5200	18.800	5190.520	5209.320	---	PASS
		5240	20.360	5230.320	5250.680	---	PASS
40M	Ant0	5170	36.960	5151.600	5188.560	---	PASS
		5200	37.040	5181.520	5218.560	---	PASS
		5230	46.560	5207.360	5253.920	---	PASS







Appendix A.4: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant0	5157	9.0091	5152.4963	5161.5054	---	PASS
		5201	9.8628	5196.4819	5206.3447	---	PASS
		5245	9.0367	5240.4931	5249.5298	---	PASS

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant0	5161	17.817	5152.1031	5169.9201	---	PASS
		5200	17.876	5191.0588	5208.9348	---	PASS
		5240	18.439	5231.1064	5249.5454	---	PASS
40M	Ant0	5170	35.577	5152.2865	5187.8635	---	PASS
		5200	35.593	5182.2069	5217.7999	---	PASS
		5230	38.525	5212.1334	5250.6584	---	PASS





