



5.2GHz SDR, 80MHz BW

SISO mode (Worst case_ANT0)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
80MHz	Ant0	5190	-12.27	≤11.00	PASS
		5200	-0.42	≤11.00	PASS
		5210	-0.16	≤11.00	PASS

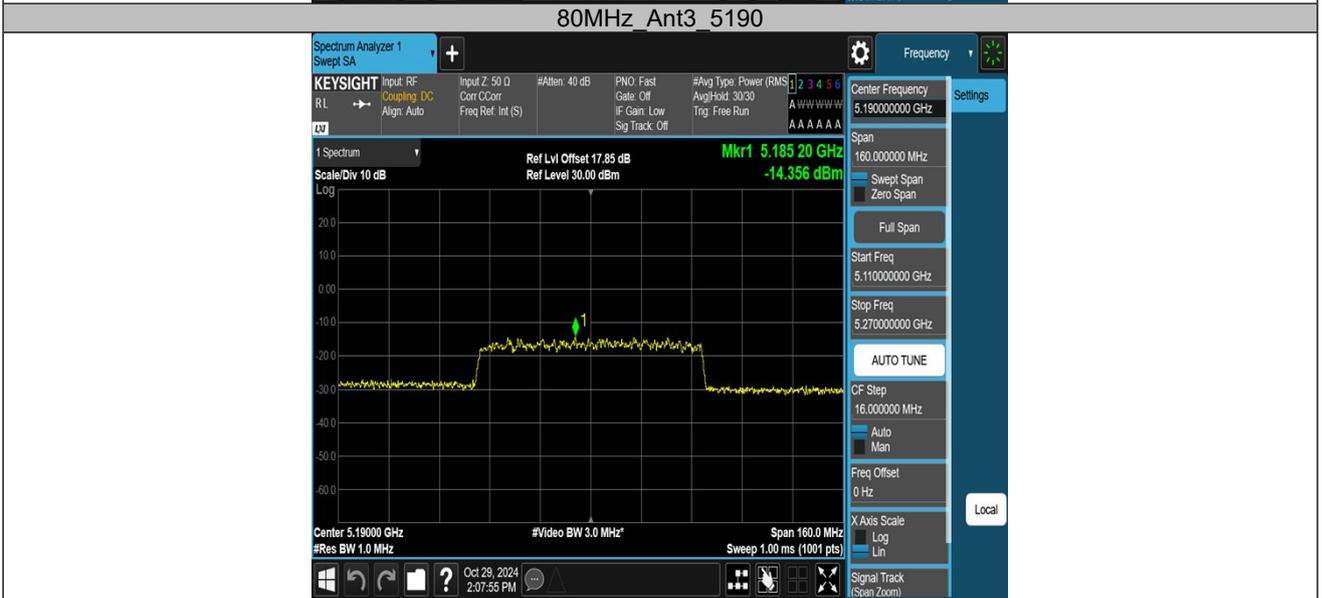
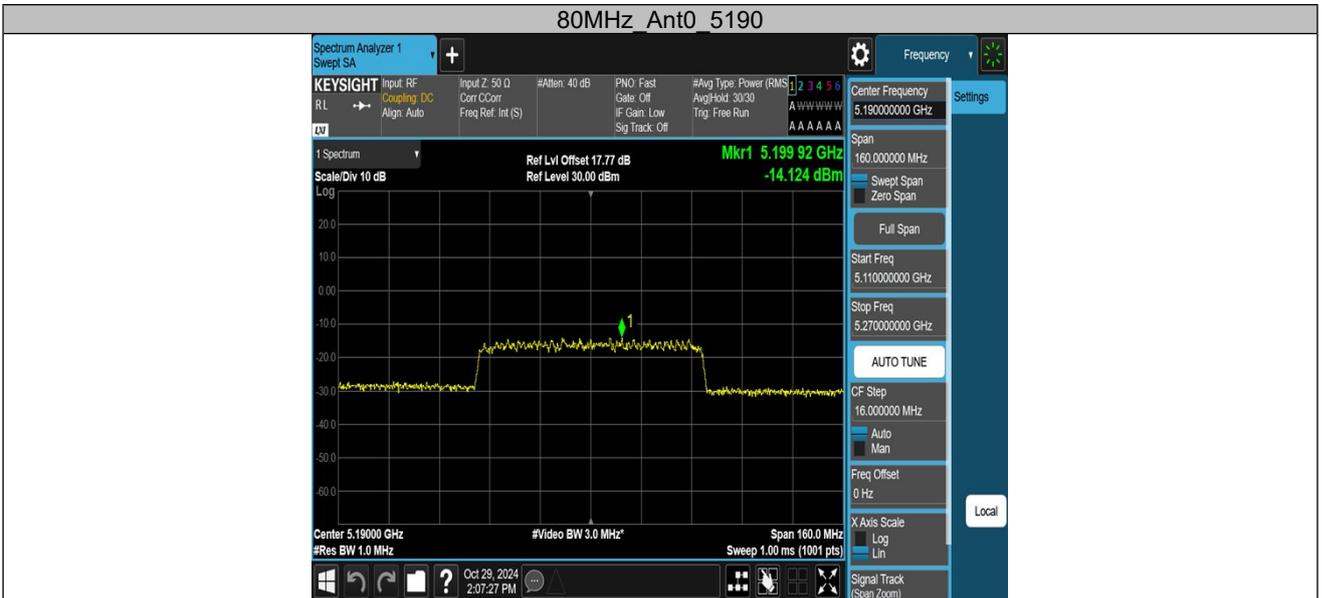
Note: 1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

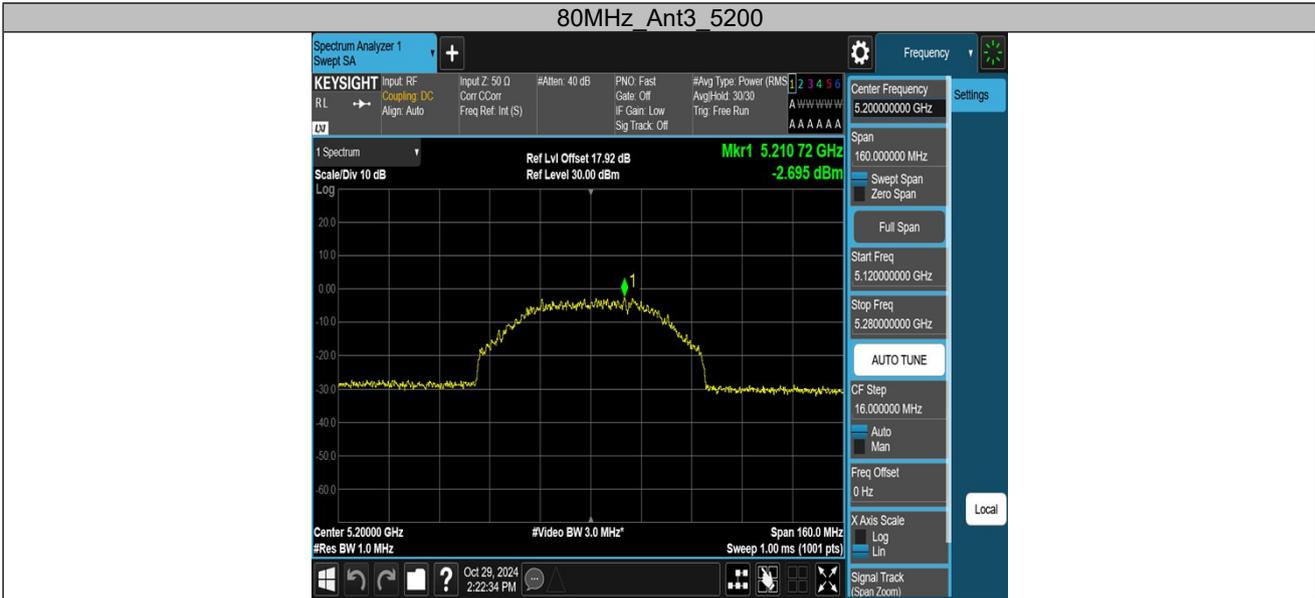


MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
80MHz	Ant0	5190	-14.12	≤11.00	PASS
	Ant3	5190	-14.36	≤11.00	PASS
	total	5190	-11.23	≤11.00	PASS
	Ant0	5200	-2.59	≤11.00	PASS
	Ant3	5200	-2.70	≤11.00	PASS
	total	5200	0.37	≤11.00	PASS
	Ant0	5210	-2.59	≤11.00	PASS
	Ant3	5210	-2.35	≤11.00	PASS
	total	5210	0.54	≤11.00	PASS

Note: 1. The Duty Cycle Factor and RBW Factor is compensated in the graph.





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
1.4MHz	Ant0	5154	na	-2000.00	-0.388048	20	PASS
		5200	na	-2000.00	-0.384615	20	PASS
		5248	na	-2000.00	-0.381098	20	PASS
3MHz	Ant0	5154	na	-1000.00	-0.194024	20	PASS
		5199	na	0.00	0.000000	20	PASS
		5247	na	0.00	0.000000	20	PASS
5MHz	Ant0	5155	na	0.00	0.000000	20	PASS
		5200	na	0.00	0.000000	20	PASS
		5246.24	na	0.00	0.000000	20	PASS
10MHz	Ant0	5157	na	2000.00	0.387822	20	PASS
		5200	na	2000.00	0.384615	20	PASS
		5245	na	2000.00	0.381316	20	PASS
20MHz	Ant0	5161	na	1000.00	0.193761	20	PASS
		5200	na	2000.00	0.384615	20	PASS
		5240	na	2000.00	0.381679	20	PASS
40MHz	Ant0	5170	na	2000.00	0.386847	20	PASS
		5200	na	2000.00	0.384615	20	PASS
		5230	na	2000.00	0.382409	20	PASS
60MHz	Ant0	5180	na	2000.00	0.386100	20	PASS
		5200	na	2000.00	0.384615	20	PASS
		5220	na	2000.00	0.383142	20	PASS
80MHz	Ant0	5190	na	2000.00	0.385356	20	PASS
		5200	na	2000.00	0.384615	20	PASS
		5210	na	2000.00	0.383877	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, 1.4MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4MHz	Ant0	5154	1.663	5153.115	5154.778	---	PASS
		5200	1.691	5199.101	5200.792	---	PASS
		5248	1.635	5247.129	5248.764	---	PASS

1.4MHz Ant0 5154



1.4MHz Ant0 5200



1.4MHz Ant0 5248



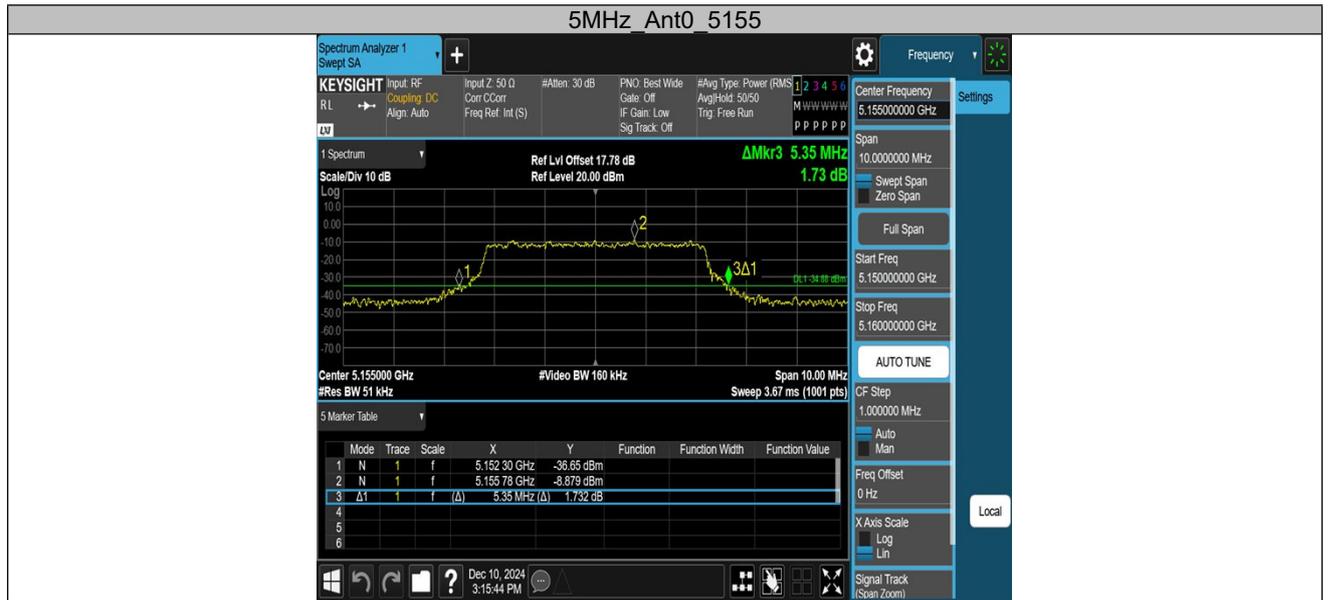
5.2GHz SDR, 3MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3MHz	Ant0	5154	2.844	5152.590	5155.434	---	PASS
		5199	2.826	5197.638	5200.464	---	PASS
		5247	2.808	5245.614	5248.422	---	PASS



5.2GHz SDR, 5MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5MHz	Ant0	5155	5.350	5152.300	5157.650	---	PASS
		5200	5.390	5197.330	5202.720	---	PASS
		5246.24	5.450	5243.540	5248.990	---	PASS



5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10MHz	Ant0	5157	10.160	5151.860	5162.020	---	PASS
		5200	10.300	5194.960	5205.260	---	PASS
		5245	10.140	5240.120	5250.260	---	PASS



5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20MHz	Ant0	5161	19.960	5150.880	5170.840	---	PASS
		5200	19.000	5190.600	5209.600	---	PASS
		5240	19.320	5230.360	5249.680	---	PASS



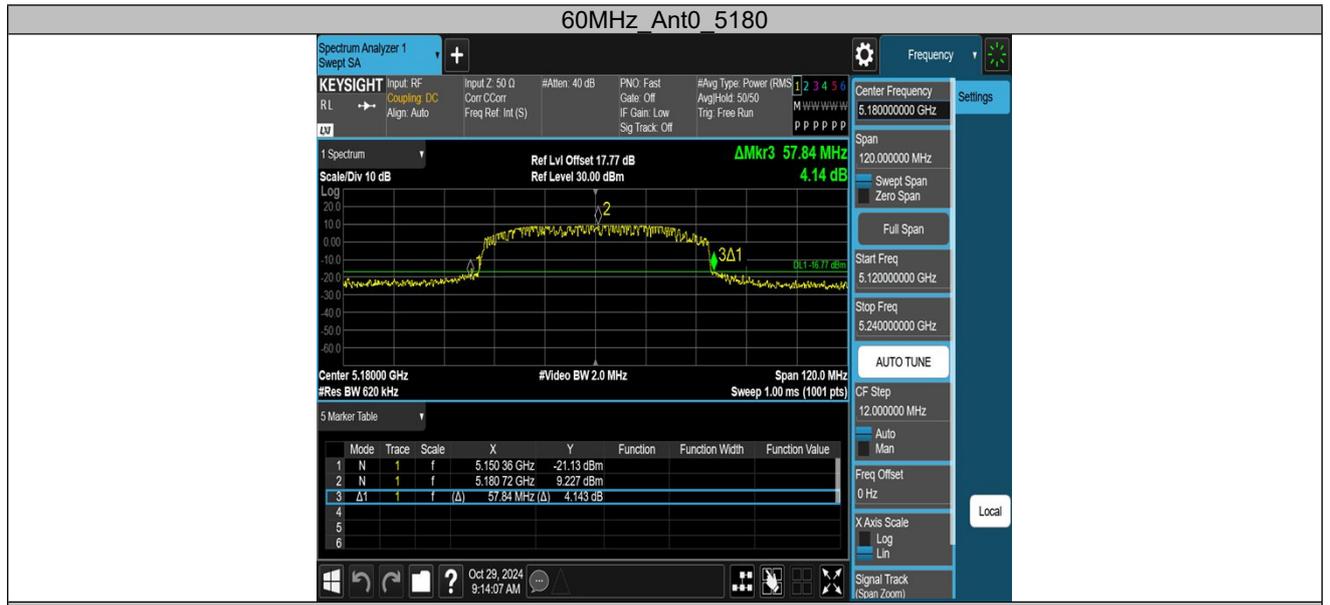
5.2GHz SDR, 40MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40MHz	Ant0	5170	37.920	5151.280	5189.200	---	PASS
		5200	36.560	5181.760	5218.320	---	PASS
		5230	36.640	5211.760	5248.400	---	PASS



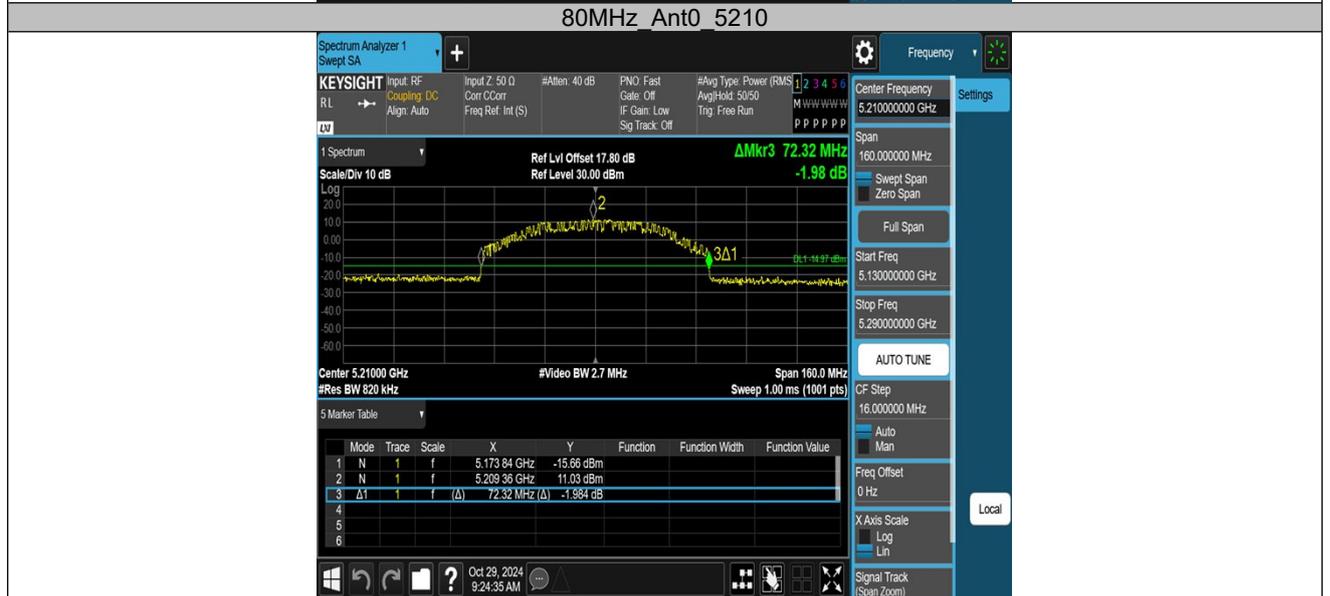
5.2GHz SDR, 60MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
60MHz	Ant0	5180	57.840	5150.360	5208.200	---	PASS
		5200	58.680	5172.040	5230.720	---	PASS
		5220	56.880	5190.840	5247.720	---	PASS



5.2GHz SDR, 80MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
80MHz	Ant0	5190	71.840	5154.160	5226.000	---	PASS
		5200	72.320	5163.840	5236.160	---	PASS
		5210	72.320	5173.840	5246.160	---	PASS



Appendix A.4: Test Results of 99% 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.

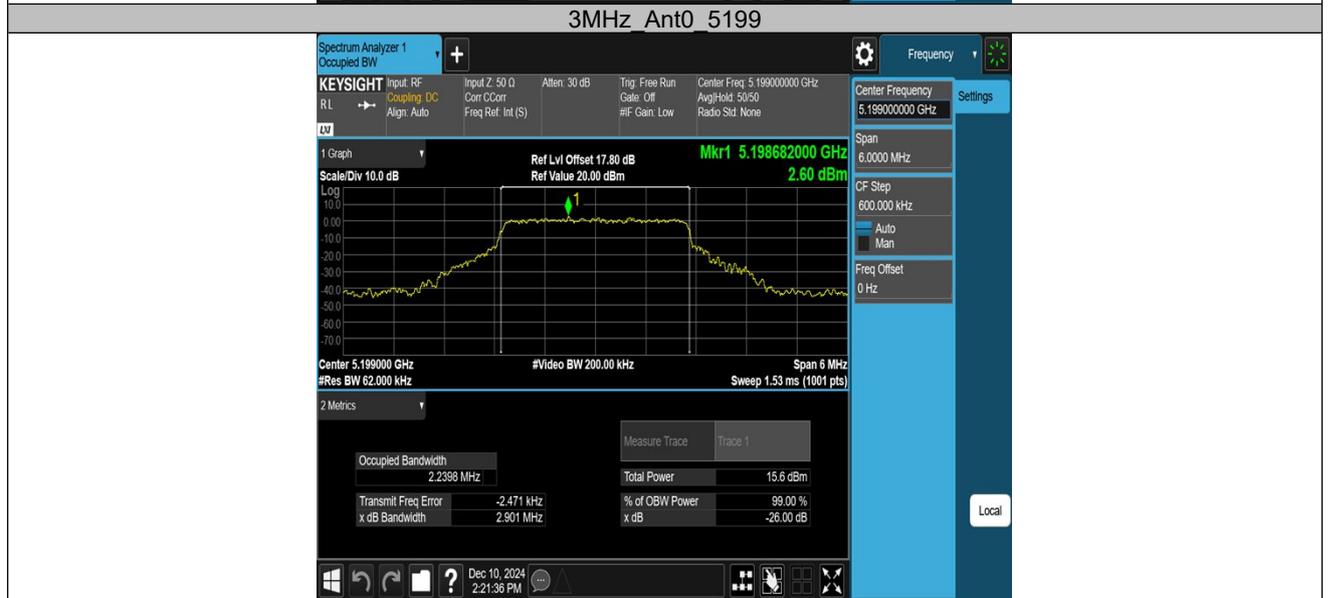
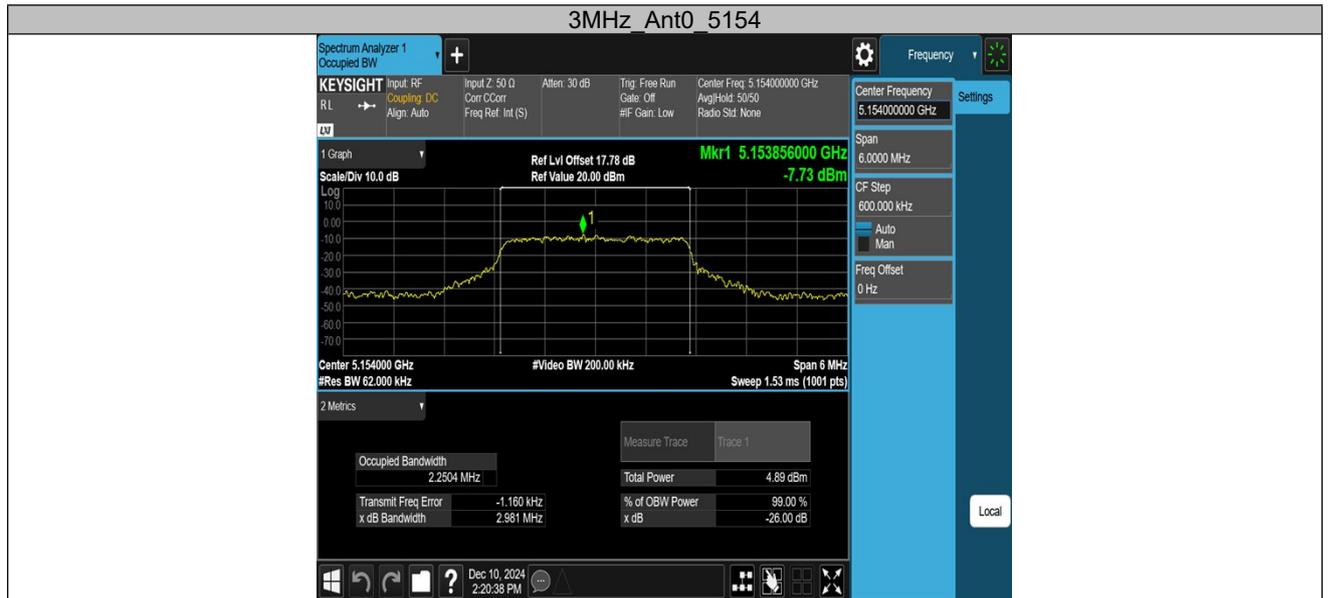
5.2GHz SDR, 1.4MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
1.4MHz	Ant0	5154	1.1952	5153.3879	5154.5831	---	PASS
		5200	1.1961	5199.3893	5200.5854	---	PASS
		5248	1.1871	5247.3925	5248.5796	---	PASS



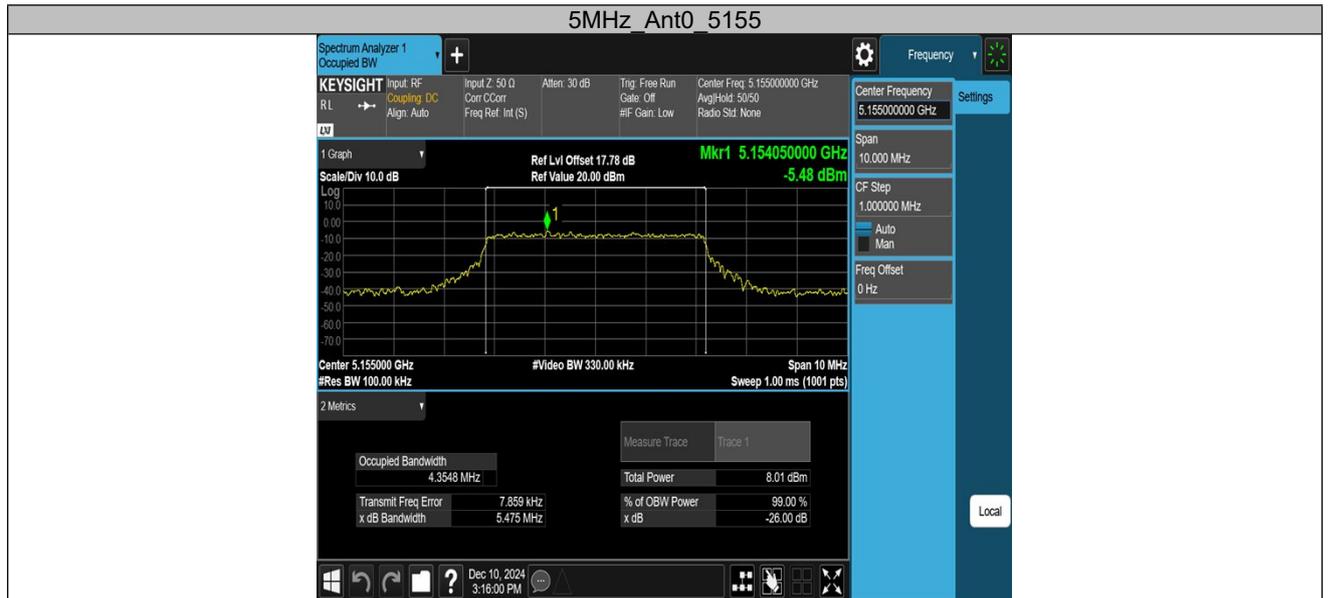
5.2GHz SDR, 3MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
3MHz	Ant0	5154	2.2504	5152.8736	5155.1240	---	PASS
		5199	2.2398	5197.8776	5200.1174	---	PASS
		5247	2.2376	5245.8873	5248.1249	---	PASS



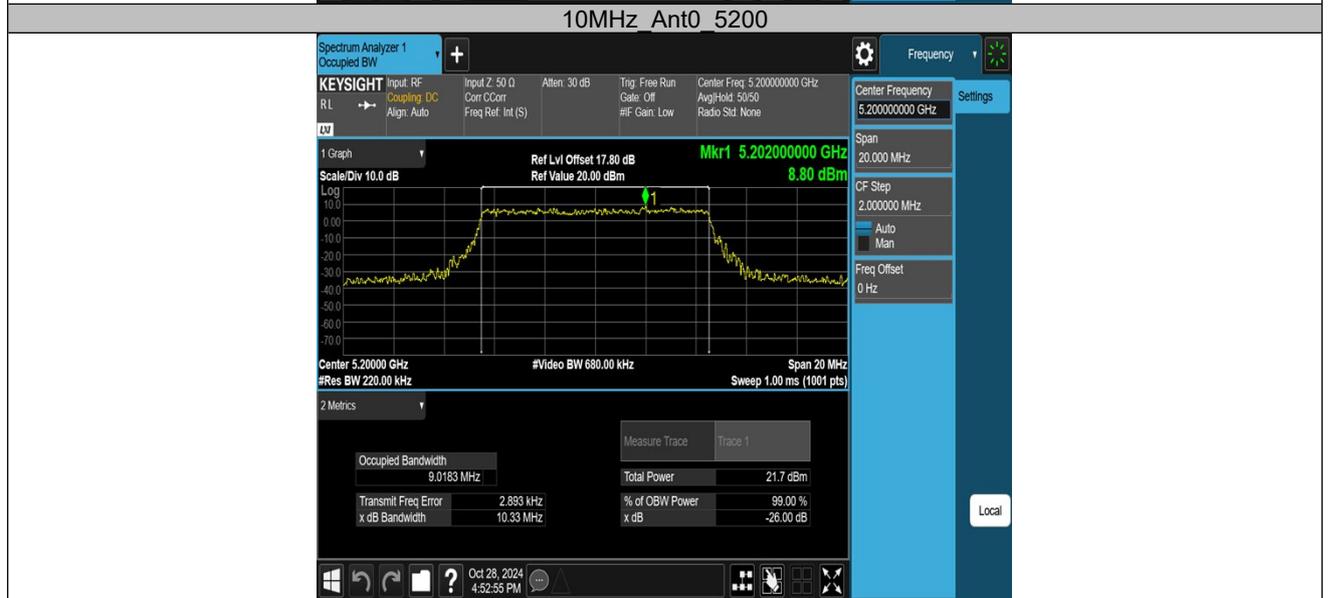
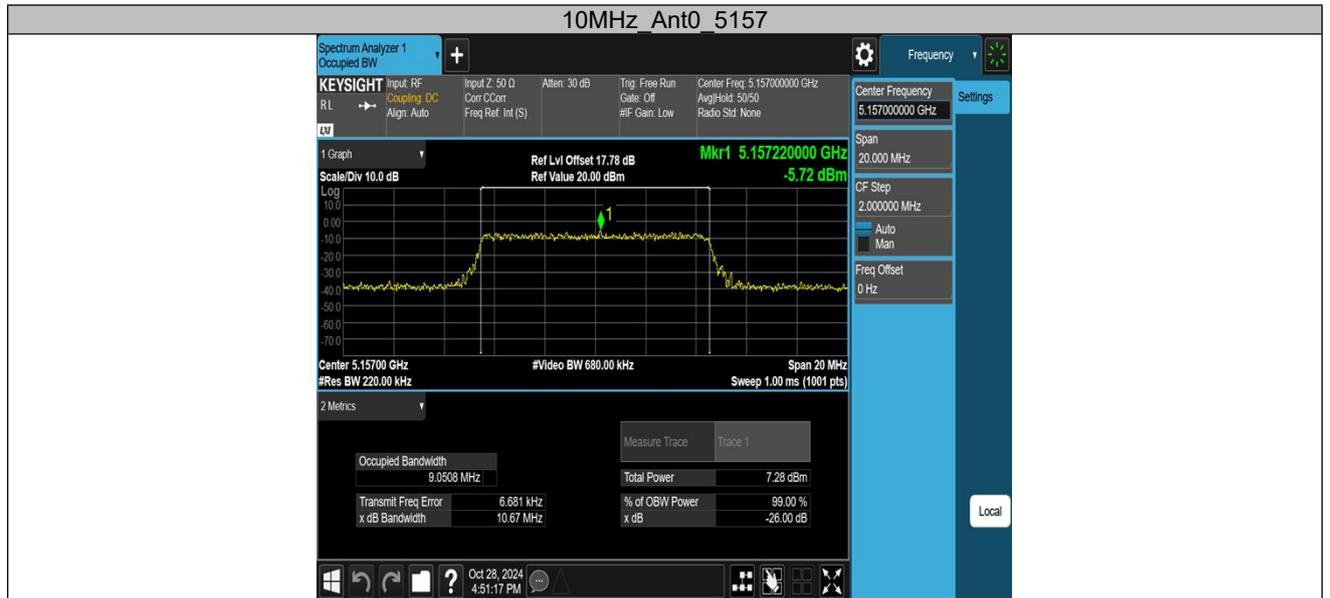
5.2GHz SDR, 5MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5MHz	Ant0	5155	4.3548	5152.8305	5157.1853	---	PASS
		5200	4.4081	5197.8197	5202.2278	---	PASS
		5246.24	4.3980	5244.0617	5248.4597	---	PASS



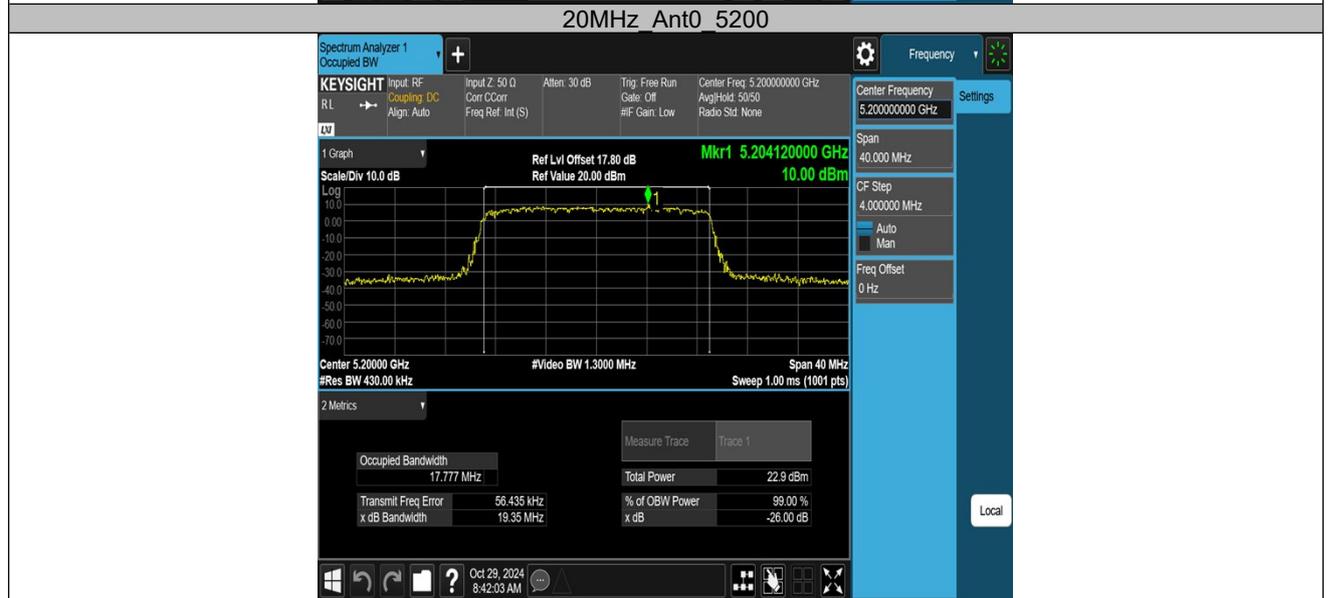
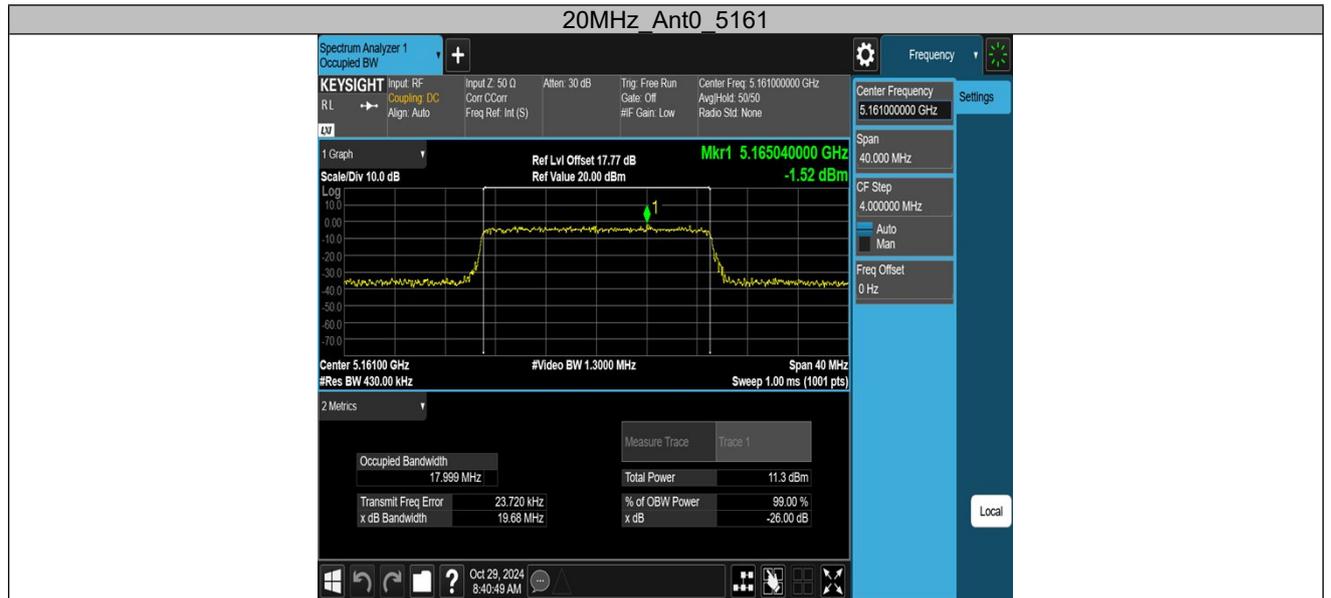
5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10MHz	Ant0	5157	9.0508	5152.4813	5161.5321	---	PASS
		5200	9.0183	5195.4937	5204.5120	---	PASS
		5245	9.0117	5240.4979	5249.5096	---	PASS



5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20MHz	Ant0	5161	17.999	5152.0242	5170.0232	---	PASS
		5200	17.777	5191.1679	5208.9449	---	PASS
		5240	17.810	5231.1150	5248.9250	---	PASS



5.2GHz SDR, 40MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40MHz	Ant0	5170	35.955	5152.1010	5188.0560	---	PASS
		5200	32.162	5183.9575	5216.1195	---	PASS
		5230	32.224	5213.8238	5246.0478	---	PASS