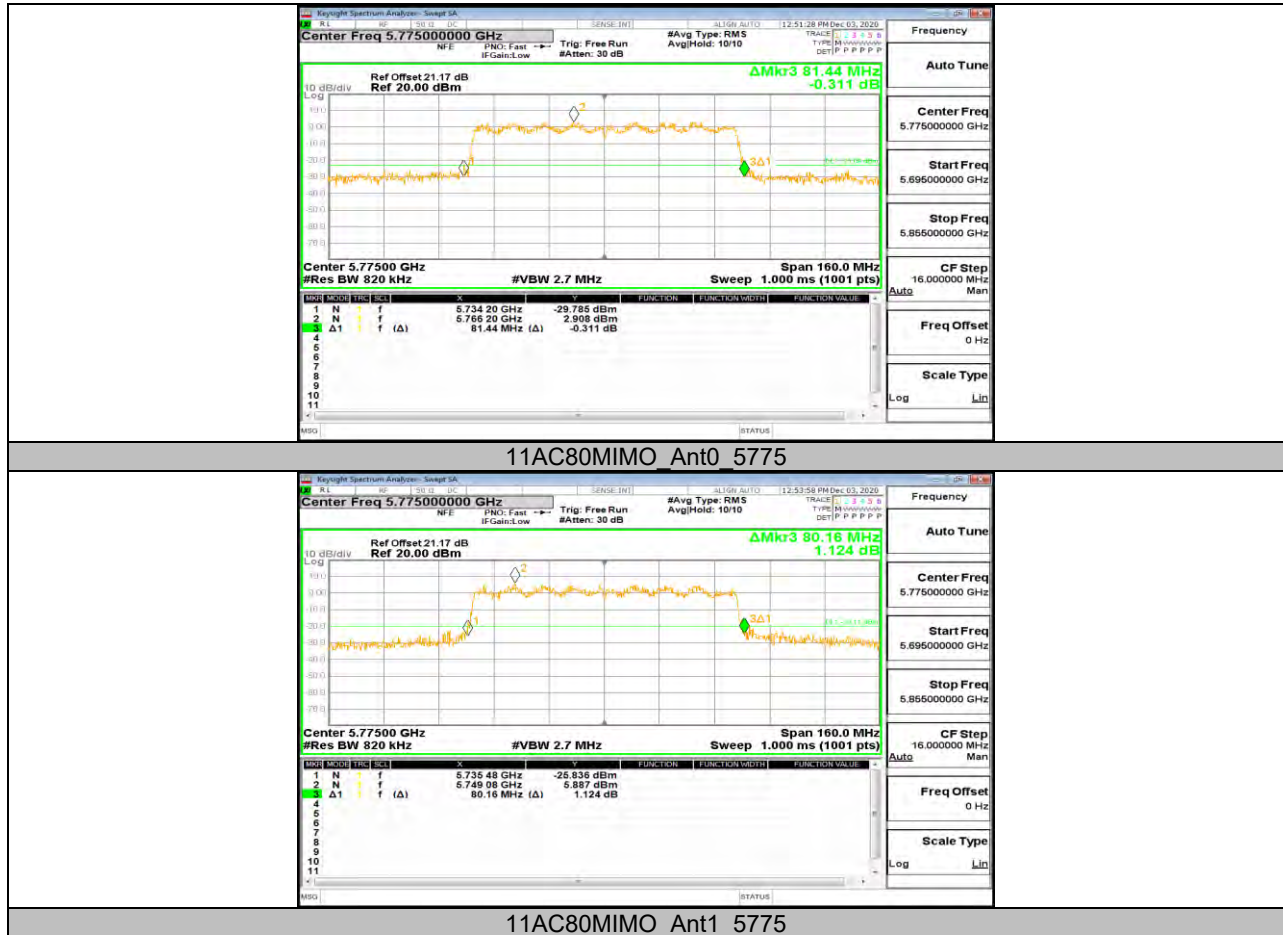












12.2. Appendix A2: Occupied channel bandwidth

12.2.1. Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant0	5180	16.652	5171.748	5188.400	PASS
	Ant1	5180	16.697	5171.667	5188.364	PASS
	Ant0	5200	16.724	5191.695	5208.419	PASS
	Ant1	5200	16.760	5191.683	5208.443	PASS
	Ant0	5240	16.674	5231.701	5248.375	PASS
	Ant1	5240	16.697	5231.704	5248.401	PASS
	Ant0	5745	16.569	5736.771	5753.340	PASS
	Ant1	5745	16.754	5736.655	5753.409	PASS
	Ant0	5785	16.722	5776.714	5793.436	PASS
	Ant1	5785	16.683	5776.738	5793.421	PASS
	Ant0	5825	16.688	5816.728	5833.416	PASS
	Ant1	5825	16.698	5816.680	5833.378	PASS
11N20MIMO	Ant0	5180	17.740	5171.164	5188.904	PASS
	Ant1	5180	17.824	5171.218	5189.042	PASS
	Ant0	5200	17.796	5191.233	5209.029	PASS
	Ant1	5200	17.712	5191.314	5209.026	PASS
	Ant0	5240	17.651	5231.332	5248.983	PASS
	Ant1	5240	17.725	5231.311	5249.036	PASS
	Ant0	5745	17.738	5736.339	5754.077	PASS
	Ant1	5745	17.676	5736.453	5754.129	PASS
	Ant0	5785	17.773	5776.381	5794.154	PASS
	Ant1	5785	17.657	5776.419	5794.076	PASS
	Ant0	5825	17.787	5816.409	5834.196	PASS
	Ant1	5825	17.810	5816.344	5834.154	PASS
11N40MIMO	Ant0	5190	36.548	5171.818	5208.366	PASS
	Ant1	5190	36.527	5171.865	5208.392	PASS
	Ant0	5230	36.562	5211.860	5248.422	PASS
	Ant1	5230	36.465	5212.000	5248.465	PASS
	Ant0	5755	36.434	5737.004	5773.438	PASS
	Ant1	5755	36.684	5737.043	5773.727	PASS
	Ant0	5795	36.438	5777.031	5813.469	PASS
	Ant1	5795	36.458	5777.029	5813.487	PASS
11AC20MIMO	Ant0	5180	17.718	5171.286	5189.004	PASS
	Ant1	5180	17.758	5171.304	5189.062	PASS
	Ant0	5200	17.812	5191.270	5209.082	PASS
	Ant1	5200	17.674	5191.336	5209.010	PASS
	Ant0	5240	17.784	5231.298	5249.082	PASS
	Ant1	5240	17.712	5231.285	5248.997	PASS
	Ant0	5745	17.690	5736.346	5754.036	PASS
	Ant1	5745	17.680	5736.452	5754.132	PASS
	Ant0	5785	17.681	5776.419	5794.100	PASS
	Ant1	5785	17.743	5776.377	5794.120	PASS
	Ant0	5825	17.665	5816.442	5834.107	PASS
	Ant1	5825	17.731	5816.442	5834.173	PASS
11AC40MIMO	Ant0	5190	36.429	5171.946	5208.375	PASS
	Ant1	5190	36.357	5172.125	5208.482	PASS
	Ant0	5230	36.378	5212.040	5248.418	PASS
	Ant1	5230	36.419	5212.004	5248.423	PASS
	Ant0	5755	36.444	5737.030	5773.474	PASS
	Ant1	5755	36.485	5737.078	5773.563	PASS
	Ant0	5795	36.430	5777.149	5813.579	PASS
	Ant1	5795	36.585	5776.936	5813.521	PASS



11AC80MIMO	Ant0	5210	76.082	5172.205	5248.287	PASS
	Ant1	5210	75.754	5172.292	5248.046	PASS
	Ant0	5775	75.644	5737.623	5813.267	PASS
	Ant1	5775	75.584	5737.562	5813.146	PASS

12.2.2. Test Graphs











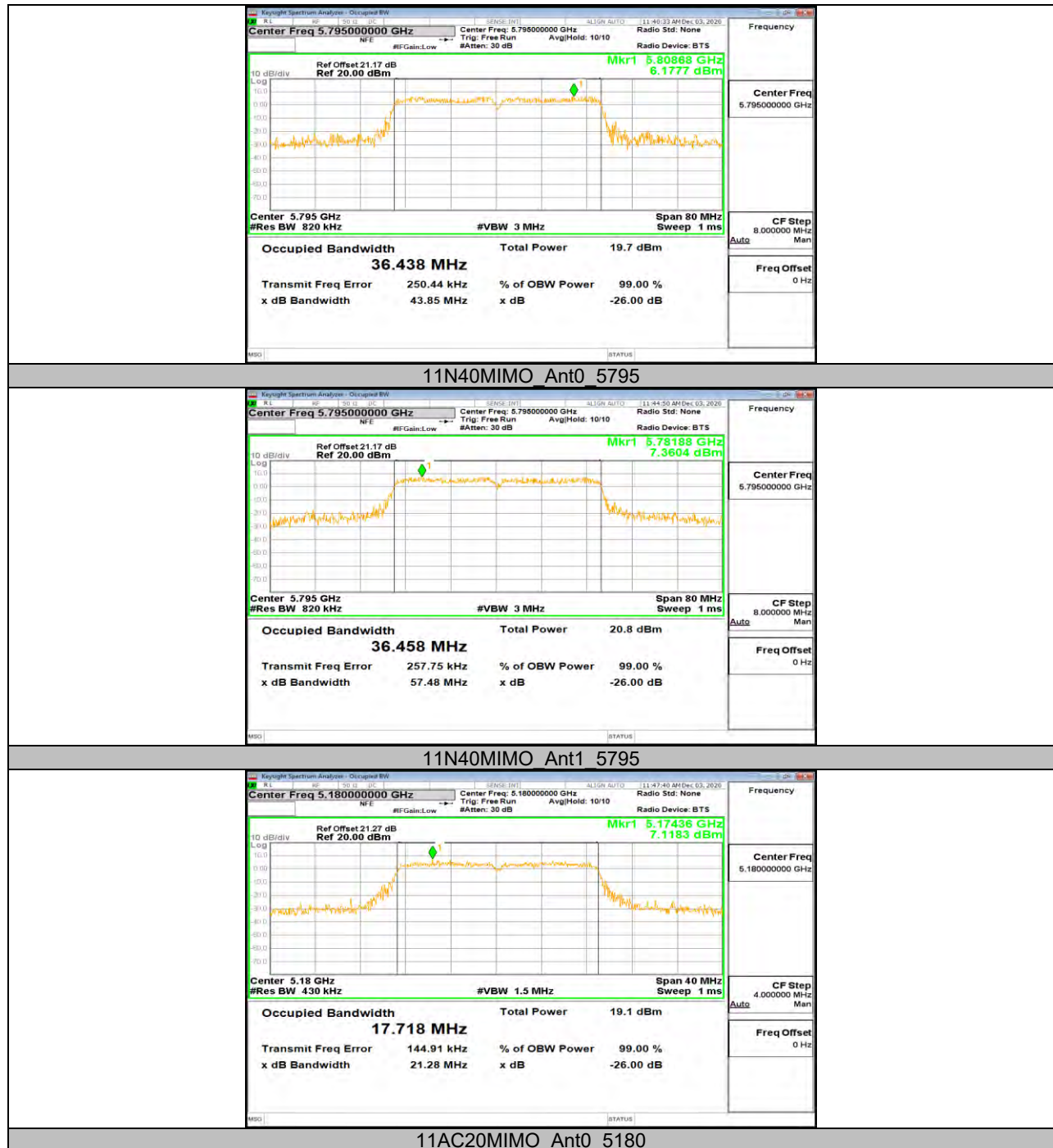
















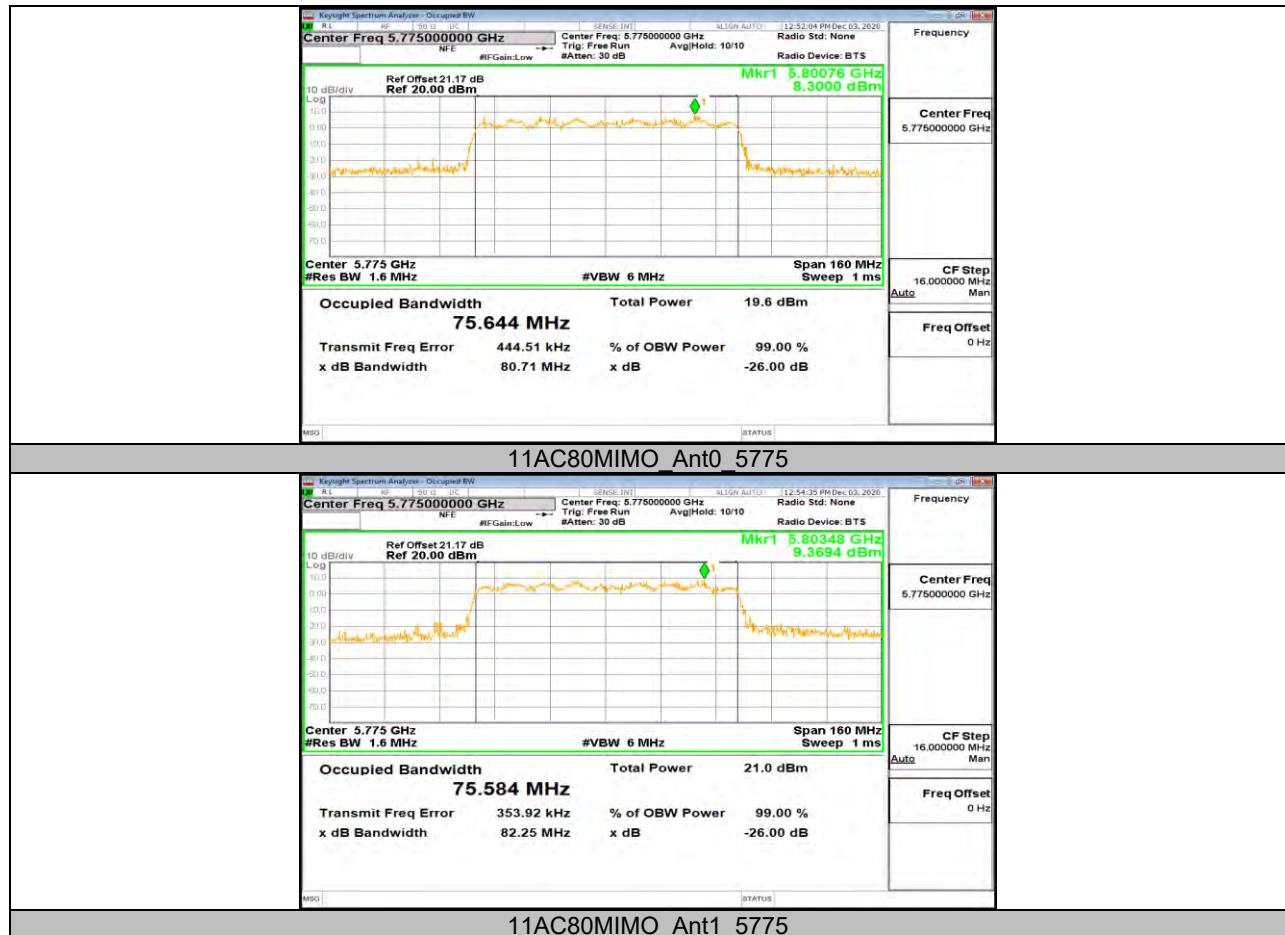












**12.3. Appendix A3: 6dB bandwidth****12.3.1. Test Result**

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.410	5736.840	5753.250	0.5	PASS
	Ant1	5745	16.410	5736.840	5753.250	0.5	PASS
	Ant0	5785	16.440	5776.810	5793.250	0.5	PASS
	Ant1	5785	16.440	5776.840	5793.280	0.5	PASS
	Ant0	5825	16.350	5816.870	5833.220	0.5	PASS
	Ant1	5825	16.350	5816.870	5833.220	0.5	PASS
11N20MIMO	Ant0	5745	17.640	5736.360	5754.000	0.5	PASS
	Ant1	5745	17.670	5736.420	5754.090	0.5	PASS
	Ant0	5785	17.670	5776.420	5794.090	0.5	PASS
	Ant1	5785	17.610	5776.480	5794.090	0.5	PASS
	Ant0	5825	17.610	5816.450	5834.060	0.5	PASS
	Ant1	5825	17.640	5816.450	5834.090	0.5	PASS
11N40MIMO	Ant0	5755	36.420	5737.000	5773.420	0.5	PASS
	Ant1	5755	35.580	5737.600	5773.180	0.5	PASS
	Ant0	5795	36.360	5777.060	5813.420	0.5	PASS
	Ant1	5795	36.300	5777.000	5813.300	0.5	PASS
11AC20MIMO	Ant0	5745	16.740	5736.660	5753.400	0.5	PASS
	Ant1	5745	17.730	5736.450	5754.180	0.5	PASS
	Ant0	5785	17.340	5776.690	5794.030	0.5	PASS
	Ant1	5785	17.640	5776.450	5794.090	0.5	PASS
	Ant0	5825	17.640	5816.450	5834.090	0.5	PASS
	Ant1	5825	17.220	5816.480	5833.700	0.5	PASS
11AC40MIMO	Ant0	5755	36.480	5736.940	5773.420	0.5	PASS
	Ant1	5755	36.360	5737.000	5773.360	0.5	PASS
	Ant0	5795	35.940	5777.240	5813.180	0.5	PASS
	Ant1	5795	36.480	5776.880	5813.360	0.5	PASS
11AC80MIMO	Ant0	5775	74.640	5738.160	5812.800	0.5	PASS
	Ant1	5775	74.640	5737.560	5812.200	0.5	PASS

12.3.2. Test Graphs









11N20MIMO Ant1 5785



11N20MIMO Ant0 5825



11N20MIMO Ant1 5825





11N40MIMO Ant1 5795



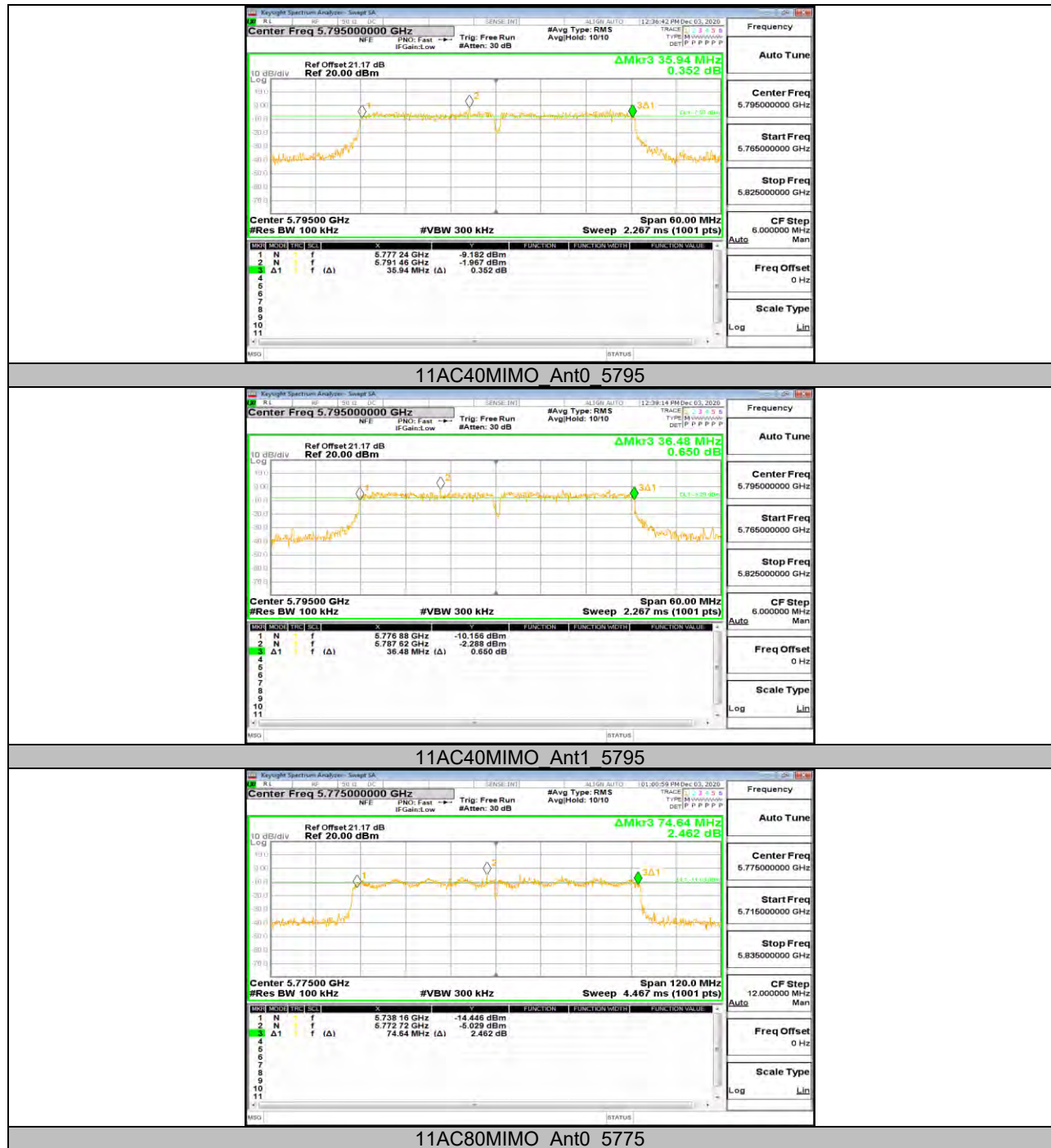
11AC20MIMO Ant0 5745



11AC20MIMO Ant1 5745









**12.4. Appendix B: Maximum average conducted output power****12.4.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	16.40	<=23.98	---	20.70	<=22.21	PASS
	Ant1	5180	15.15	<=23.98	---	19.45	<=22.23	PASS
	Ant0	5200	16.06	<=23.98	---	20.36	<=22.23	PASS
	Ant1	5200	14.92	<=23.98	---	19.22	<=22.24	PASS
	Ant0	5240	15.92	<=23.98	---	20.22	<=22.22	PASS
	Ant1	5240	14.82	<=23.98	---	19.12	<=22.23	PASS
	Ant0	5745	15.35	<=30	<=30	---	---	PASS
	Ant1	5745	16.57	<=30	<=30	---	---	PASS
	Ant0	5785	15.57	<=30	<=30	---	---	PASS
	Ant1	5785	16.60	<=30	<=30	---	---	PASS
	Ant0	5825	15.55	<=30	<=30	---	---	PASS
	Ant1	5825	16.50	<=30	<=30	---	---	PASS
11N20MIMO	Ant0	5180	9.77	<=22.67	---	14.07	<=22.49	PASS
	Ant1	5180	10.04	<=22.67	---	14.34	<=22.51	PASS
	total	5180	12.92	<=22.67	---	20.23	<=22.51	PASS
	Ant0	5200	9.50	<=22.67	---	16.81	<=22.50	PASS
	Ant1	5200	10.08	<=22.67	---	17.39	<=22.48	PASS
	total	5200	12.81	<=22.67	---	20.12	<=22.48	PASS
	Ant0	5240	9.38	<=22.67	---	16.69	<=22.47	PASS
	Ant1	5240	9.89	<=22.67	---	17.20	<=22.49	PASS
	total	5240	12.65	<=22.67	---	19.96	<=22.49	PASS
	Ant0	5745	14.08	<=28.69	<=28.69	---	---	PASS
	Ant1	5745	15.69	<=28.69	<=28.69	---	---	PASS
	total	5745	17.97	<=28.69	<=28.69	---	---	PASS
	Ant0	5785	14.19	<=28.69	<=28.69	---	---	PASS
	Ant1	5785	15.43	<=28.69	<=28.69	---	---	PASS
	total	5785	17.86	<=28.69	<=28.69	---	---	PASS
	Ant0	5825	14.89	<=28.69	<=28.69	---	---	PASS
	Ant1	5825	14.47	<=28.69	<=28.69	---	---	PASS
	total	5825	17.70	<=28.69	<=28.69	---	---	PASS
11N40MIMO	Ant0	5190	11.90	<=22.67	---	16.20	<=23	PASS
	Ant1	5190	12.21	<=22.67	---	16.51	<=23	PASS
	total	5190	15.07	<=22.67	---	22.38	<=23	PASS
	Ant0	5230	12.27	<=22.67	---	19.58	<=23	PASS
	Ant1	5230	11.88	<=22.67	---	19.19	<=23	PASS
	total	5230	15.09	<=22.67	---	22.40	<=23	PASS
	Ant0	5755	14.07	<=28.69	<=28.69	---	---	PASS
	Ant1	5755	15.91	<=28.69	<=28.69	---	---	PASS
	total	5755	18.10	<=28.69	<=28.69	---	---	PASS
	Ant0	5795	14.48	<=28.69	<=28.69	---	---	PASS
	Ant1	5795	15.58	<=28.69	<=28.69	---	---	PASS
	total	5795	18.08	<=28.69	<=28.69	---	---	PASS
11AC20MIMO	Ant0	5180	9.92	<=22.67	---	14.22	<=22.48	PASS
	Ant1	5180	9.85	<=22.67	---	14.15	<=22.49	PASS
	total	5180	12.90	<=22.67	---	20.21	<=22.49	PASS
	Ant0	5200	9.86	<=22.67	---	17.17	<=22.51	PASS
	Ant1	5200	9.99	<=22.67	---	17.30	<=22.47	PASS
	total	5200	12.94	<=22.67	---	20.25	<=22.47	PASS
	Ant0	5240	9.92	<=22.67	---	17.23	<=22.50	PASS
	Ant1	5240	9.82	<=22.67	---	17.13	<=22.48	PASS
	total	5240	12.88	<=22.67	---	20.19	<=22.48	PASS
	Ant0	5745	14.16	<=28.69	<=28.69	---	---	PASS
	Ant1	5745	15.41	<=28.69	<=28.69	---	---	PASS



	total	5745	17.84	<=28.69	<=28.69	---	---	PASS
	Ant0	5785	14.12	<=28.69	<=28.69	---	---	PASS
	Ant1	5785	15.33	<=28.69	<=28.69	---	---	PASS
	total	5785	17.78	<=28.69	<=28.69	---	---	PASS
	Ant0	5825	14.72	<=28.69	<=28.69	---	---	PASS
	Ant1	5825	14.42	<=28.69	<=28.69	---	---	PASS
11AC40MIMO	total	5825	17.58	<=28.69	<=28.69	---	---	PASS
	Ant0	5190	12.20	<=22.67	---	16.50	<=23	PASS
	Ant1	5190	12.05	<=22.67	---	16.35	<=23	PASS
	total	5190	15.14	<=22.67	---	22.45	<=23	PASS
	Ant0	5230	12.15	<=22.67	---	19.46	<=23	PASS
	Ant1	5230	12.19	<=22.67	---	19.50	<=23	PASS
	total	5230	15.18	<=22.67	---	22.49	<=23	PASS
	Ant0	5755	14.05	<=28.69	<=28.69	---	---	PASS
	Ant1	5755	15.88	<=28.69	<=28.69	---	---	PASS
	total	5755	18.07	<=28.69	<=28.69	---	---	PASS
	Ant0	5795	14.45	<=28.69	<=28.69	---	---	PASS
	Ant1	5795	15.59	<=28.69	<=28.69	---	---	PASS
11AC80MIMO	total	5795	18.07	<=28.69	<=28.69	---	---	PASS
	Ant0	5210	10.39	<=22.67	---	14.69	<=23	PASS
	Ant1	5210	10.41	<=22.67	---	14.71	<=23	PASS
	total	5210	13.41	<=22.67	---	20.72	<=23	PASS
	Ant0	5775	14.57	<=28.69	<=28.69	---	---	PASS
	Ant1	5775	15.19	<=28.69	<=28.69	---	---	PASS
	total	5775	17.90	<=28.69	<=28.69	---	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

**12.5. Appendix C: Maximum power spectral density****12.5.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant0	5180	5.12	<=11	9.42	<=10	PASS
	Ant1	5180	4.37	<=11	8.67	<=10	PASS
	Ant0	5200	5.07	<=11	9.37	<=10	PASS
	Ant1	5200	4.16	<=11	8.46	<=10	PASS
	Ant0	5240	5	<=11	9.30	<=10	PASS
	Ant1	5240	4.22	<=11	8.52	<=10	PASS
	Ant0	5745	1.5	<=30	---	---	PASS
	Ant1	5745	3.1	<=30	---	---	PASS
	Ant0	5785	1.71	<=30	---	---	PASS
	Ant1	5785	3.02	<=30	---	---	PASS
	Ant0	5825	2.88	<=30	---	---	PASS
	Ant1	5825	2.17	<=30	---	---	PASS
11N20MIMO	Ant0	5180	-1.11	<=9.69	6.20	<=10	PASS
	Ant1	5180	-1.08	<=9.69	6.23	<=10	PASS
	total	5180	1.92	<=9.69	9.23	<=10	PASS
	Ant0	5200	-1.18	<=9.69	6.13	<=10	PASS
	Ant1	5200	-0.8	<=9.69	6.51	<=10	PASS
	total	5200	2.02	<=9.69	9.33	<=10	PASS
	Ant0	5240	-1.38	<=9.69	5.93	<=10	PASS
	Ant1	5240	-1.19	<=9.69	6.12	<=10	PASS
	total	5240	1.73	<=9.69	9.04	<=10	PASS
	Ant0	5745	0.31	<=28.69	---	---	PASS
	Ant1	5745	1.7	<=28.69	---	---	PASS
	total	5745	4.07	<=28.69	---	---	PASS
	Ant0	5785	0.72	<=28.69	---	---	PASS
	Ant1	5785	2.26	<=28.69	---	---	PASS
	total	5785	4.57	<=28.69	---	---	PASS
	Ant0	5825	0.94	<=28.69	---	---	PASS
	Ant1	5825	0.76	<=28.69	---	---	PASS
	total	5825	3.86	<=28.69	---	---	PASS
11N40MIMO	Ant0	5190	-2.26	<=9.69	5.05	<=10	PASS
	Ant1	5190	-2.1	<=9.69	5.21	<=10	PASS
	total	5190	0.83	<=9.69	8.14	<=10	PASS
	Ant0	5230	-1.89	<=9.69	5.42	<=10	PASS
	Ant1	5230	-2.11	<=9.69	5.20	<=10	PASS
	total	5230	1.01	<=9.69	8.32	<=10	PASS
	Ant0	5755	-3.09	<=28.69	---	---	PASS
	Ant1	5755	-0.9	<=28.69	---	---	PASS
	total	5755	1.15	<=28.69	---	---	PASS
	Ant0	5795	-2.01	<=28.69	---	---	PASS
	Ant1	5795	-1.08	<=28.69	---	---	PASS
	total	5795	1.49	<=28.69	---	---	PASS
11AC20MIMO	Ant0	5180	-1.23	<=9.69	6.08	<=10	PASS
	Ant1	5180	-1.09	<=9.69	6.22	<=10	PASS
	total	5180	1.85	<=9.69	9.16	<=10	PASS
	Ant0	5200	-1.27	<=9.69	6.04	<=10	PASS
	Ant1	5200	-0.89	<=9.69	6.42	<=10	PASS
	total	5200	1.93	<=9.69	9.24	<=10	PASS
	Ant0	5240	-1.11	<=9.69	6.20	<=10	PASS
	Ant1	5240	-1.34	<=9.69	5.97	<=10	PASS
	total	5240	1.79	<=9.69	9.10	<=10	PASS
	Ant0	5745	0.13	<=28.69	---	---	PASS
	Ant1	5745	1.54	<=28.69	---	---	PASS



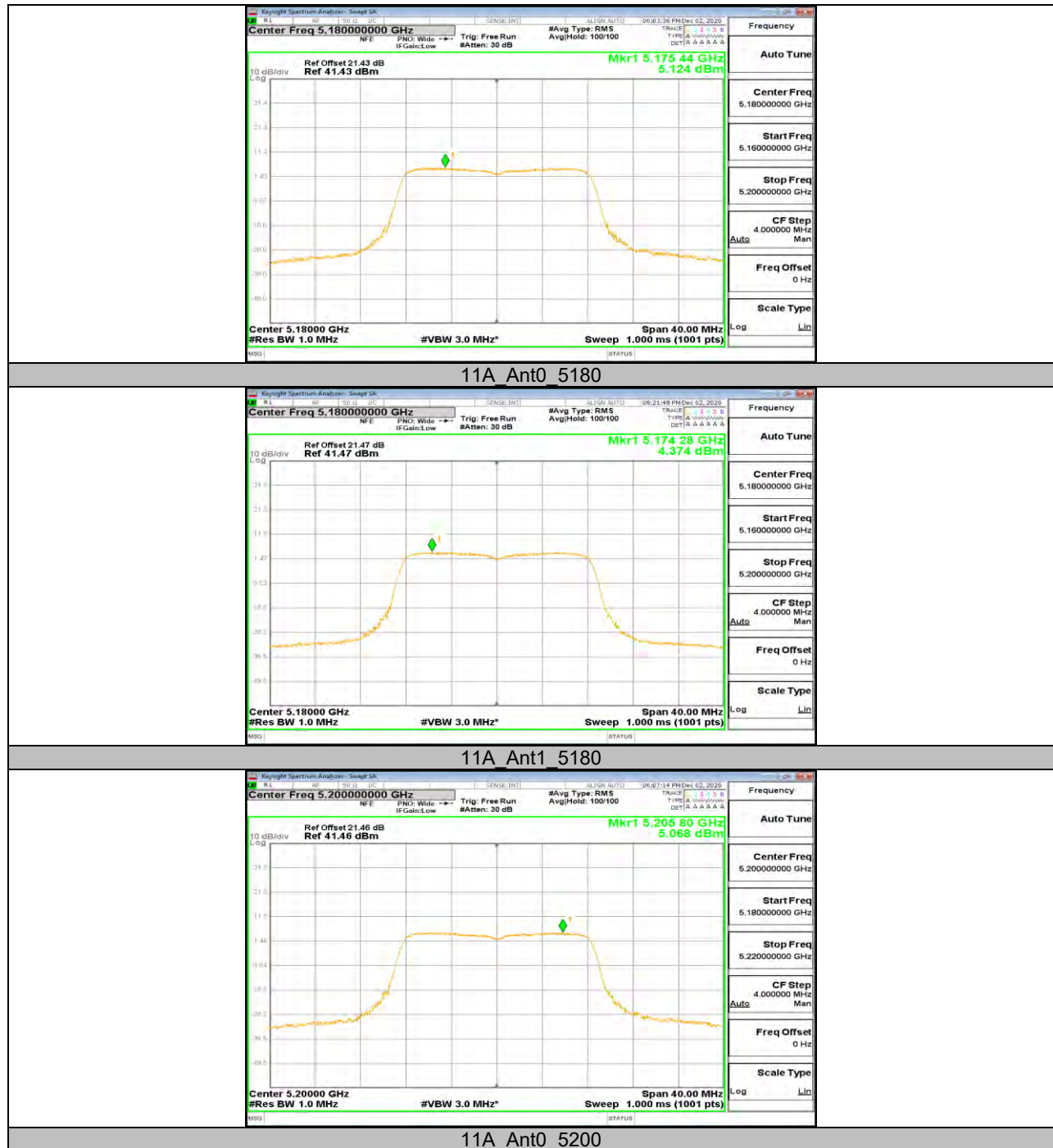
	total	5745	3.90	<=28.69	---	---	PASS
	Ant0	5785	0.43	<=28.69	---	---	PASS
	Ant1	5785	1.79	<=28.69	---	---	PASS
	total	5785	4.17	<=28.69	---	---	PASS
	Ant0	5825	1.08	<=28.69	---	---	PASS
	Ant1	5825	0.72	<=28.69	---	---	PASS
	total	5825	3.91	<=28.69	---	---	PASS
11AC40MIMO	Ant0	5190	-1.89	<=9.69	5.42	<=10	PASS
	Ant1	5190	-2.19	<=9.69	5.12	<=10	PASS
	total	5190	0.97	<=9.69	8.28	<=10	PASS
	Ant0	5230	-2.07	<=9.69	5.24	<=10	PASS
	Ant1	5230	-2.25	<=9.69	5.06	<=10	PASS
	total	5230	0.85	<=9.69	8.16	<=10	PASS
	Ant0	5755	-3.17	<=28.69	---	---	PASS
	Ant1	5755	-1	<=28.69	---	---	PASS
	total	5755	1.06	<=28.69	---	---	PASS
	Ant0	5795	-2.48	<=28.69	---	---	PASS
	Ant1	5795	-0.92	<=28.69	---	---	PASS
	total	5795	1.38	<=28.69	---	---	PASS
11AC80MIMO	Ant0	5210	-5.78	<=9.69	1.53	<=10	PASS
	Ant1	5210	-5.64	<=9.69	1.67	<=10	PASS
	total	5210	-2.70	<=9.69	4.61	<=10	PASS
	Ant0	5775	-4.5	<=28.69	---	---	PASS
	Ant1	5775	-3.59	<=28.69	---	---	PASS
	total	5775	-1.01	<=28.69	---	---	PASS

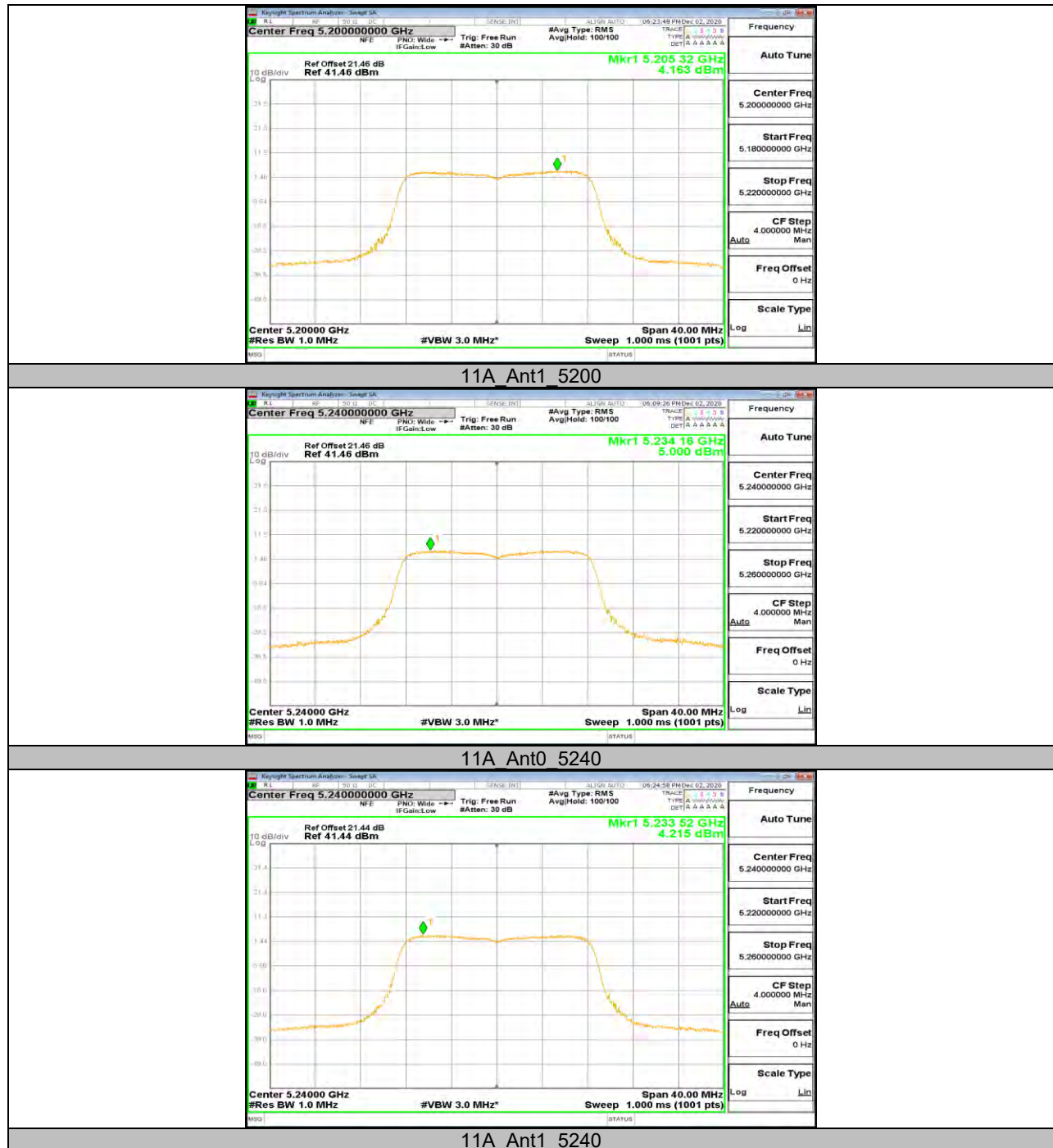
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

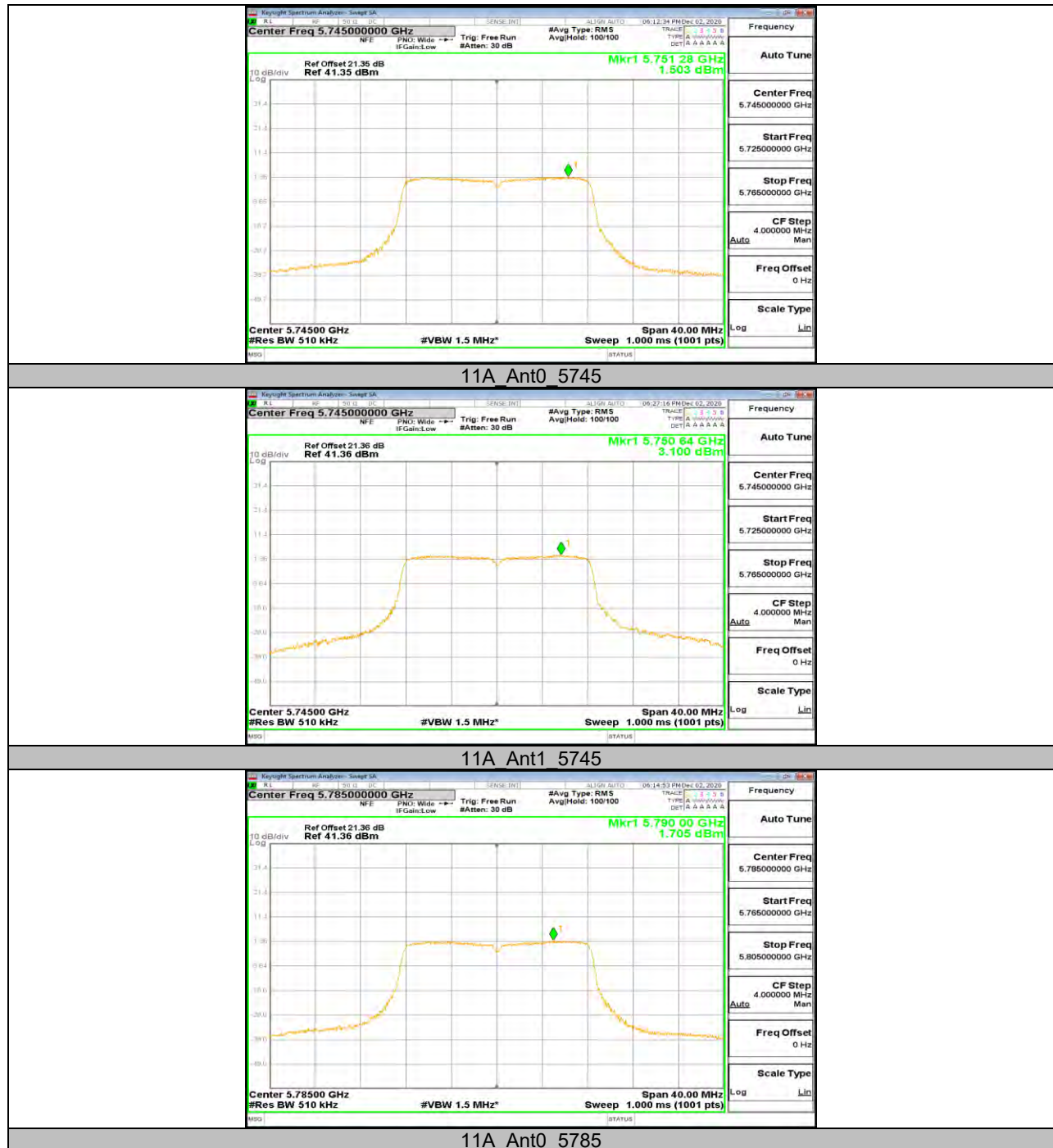
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

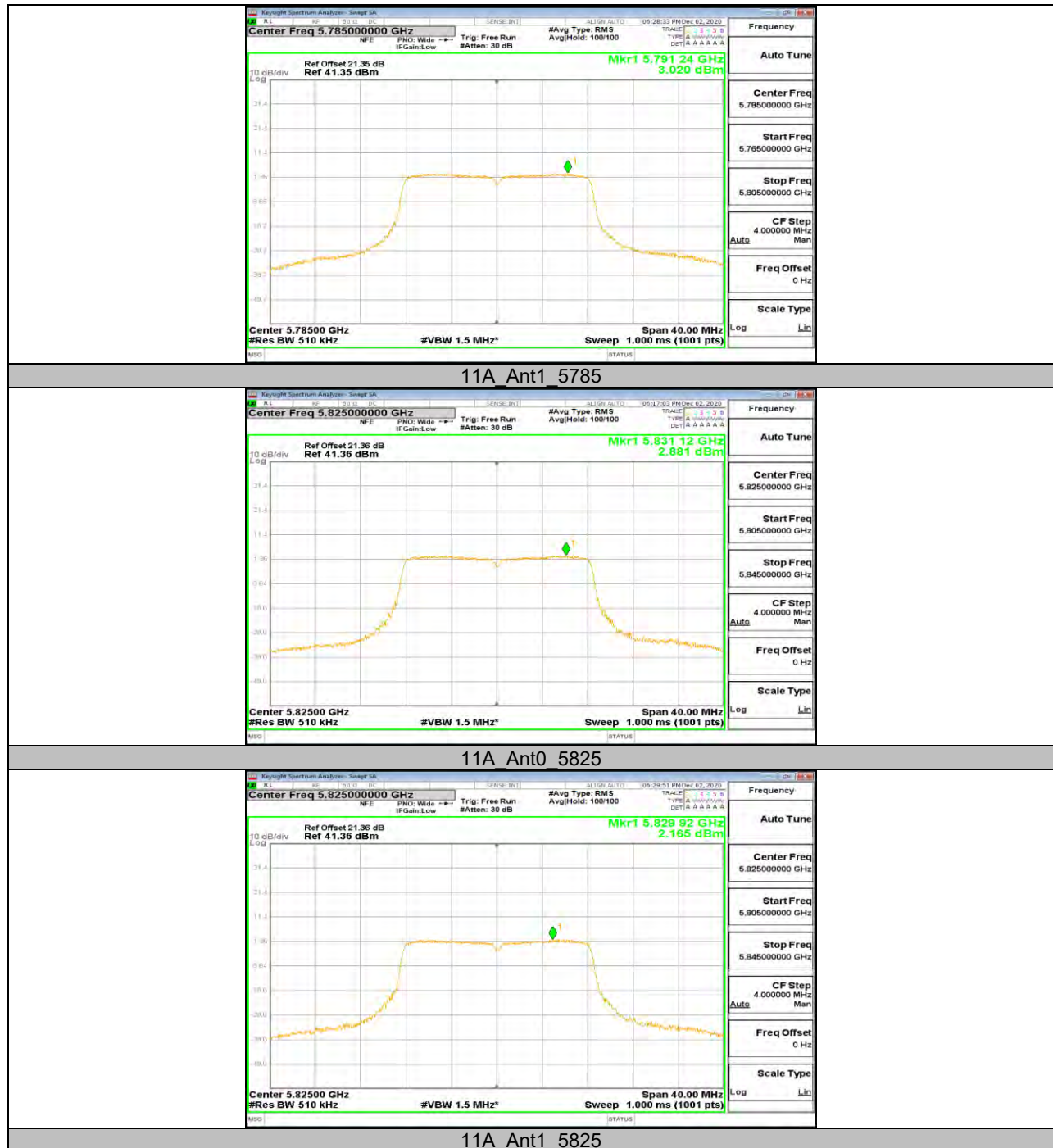


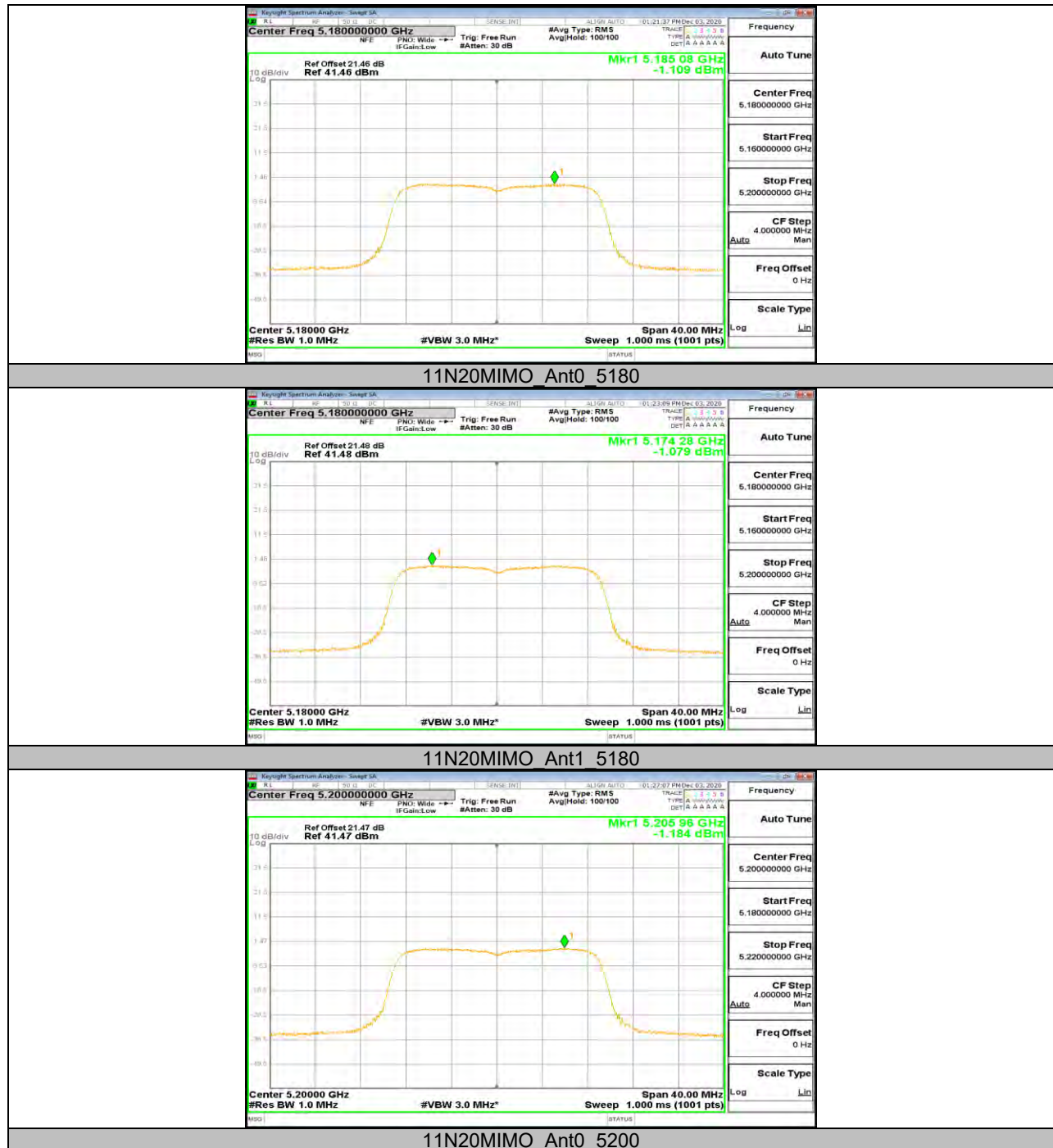
12.5.2. Test Graphs

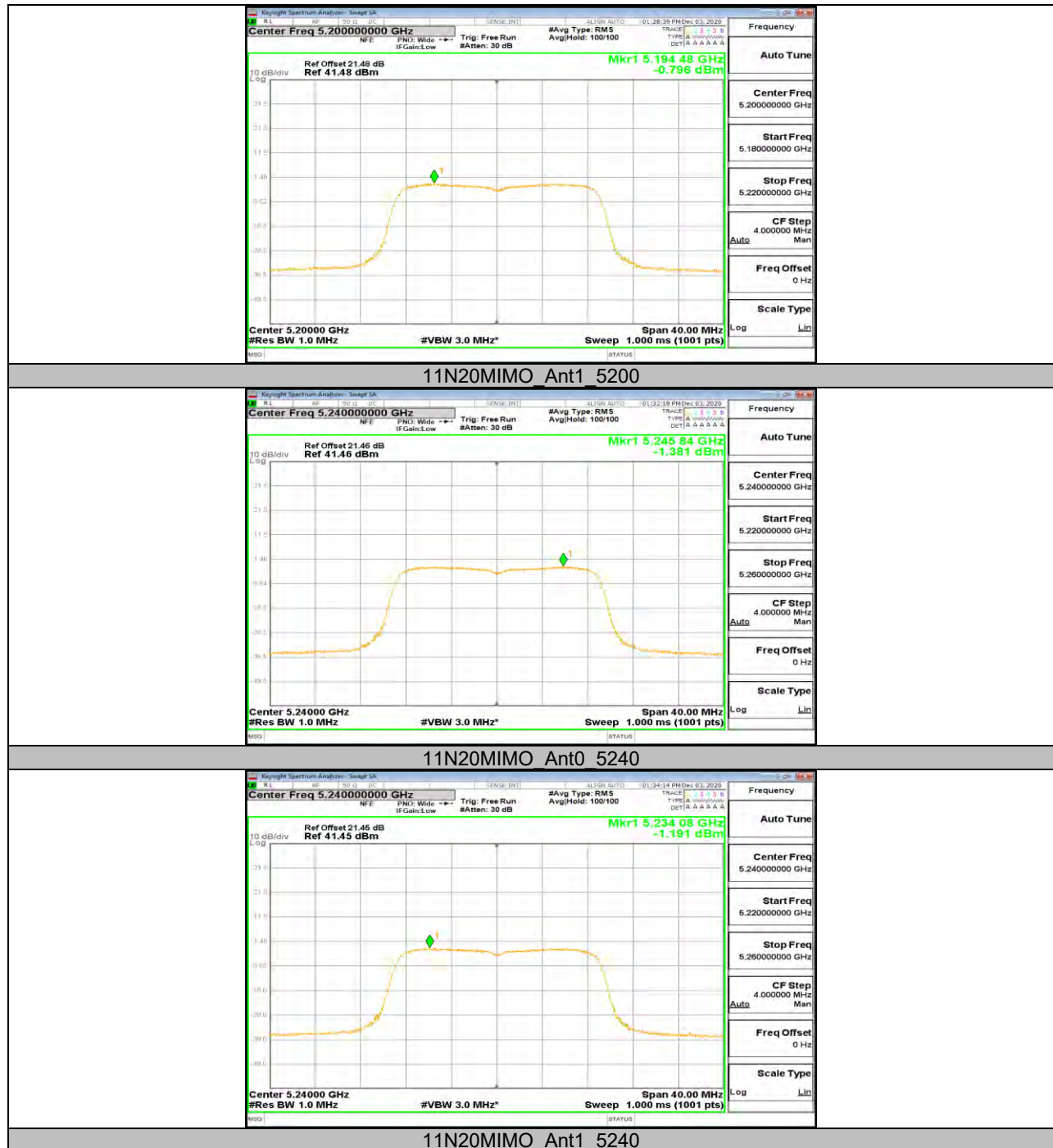


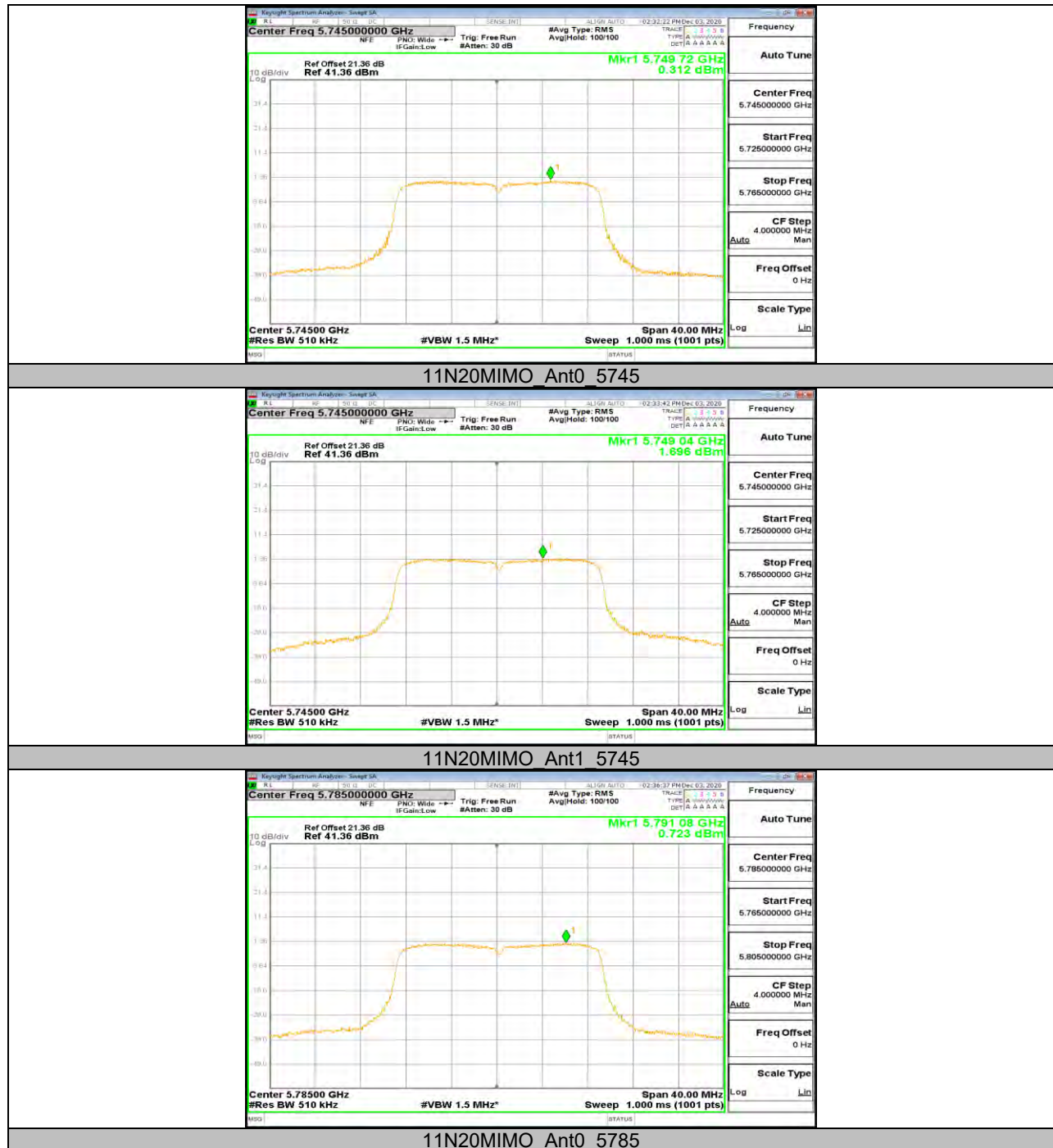


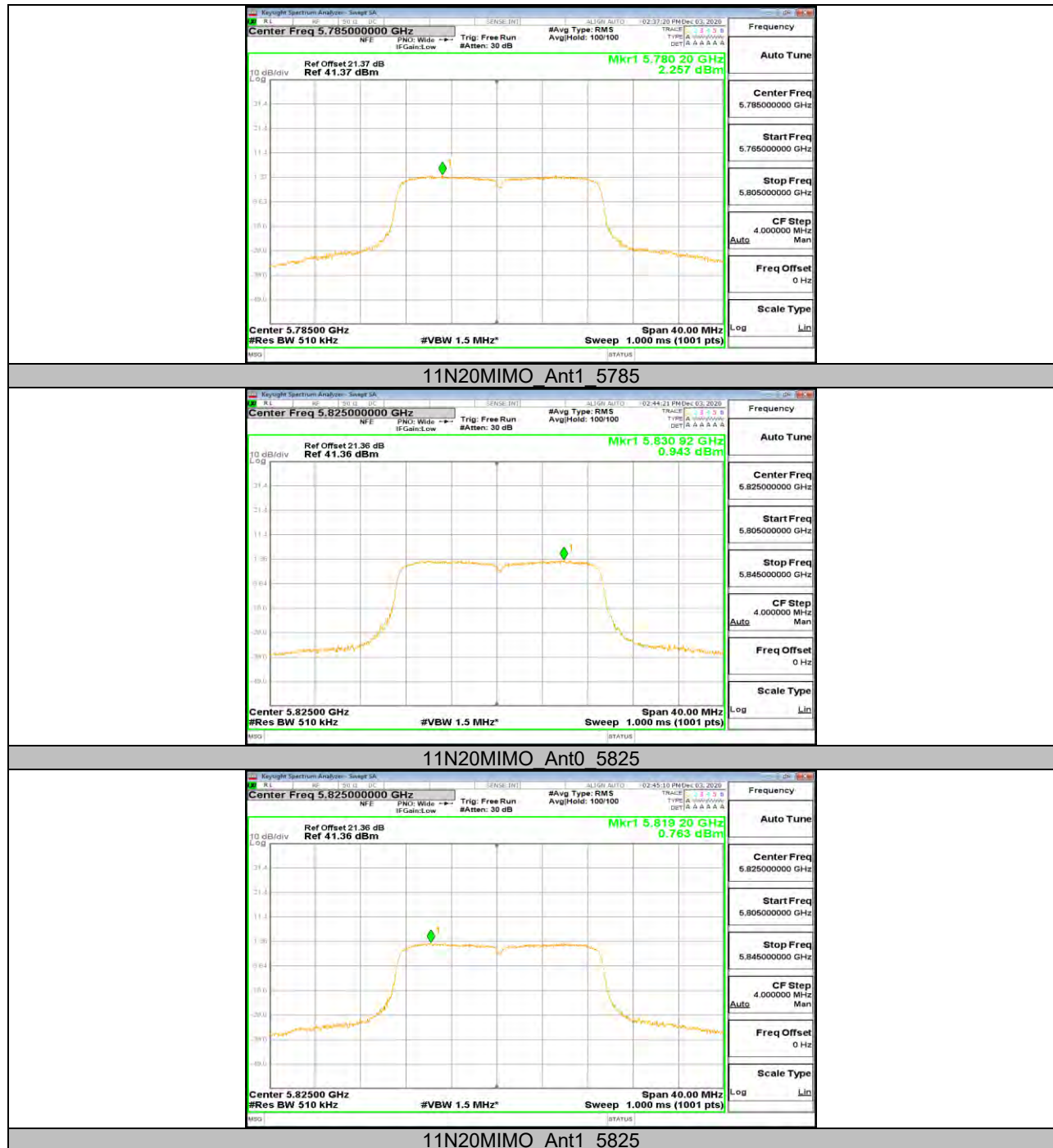


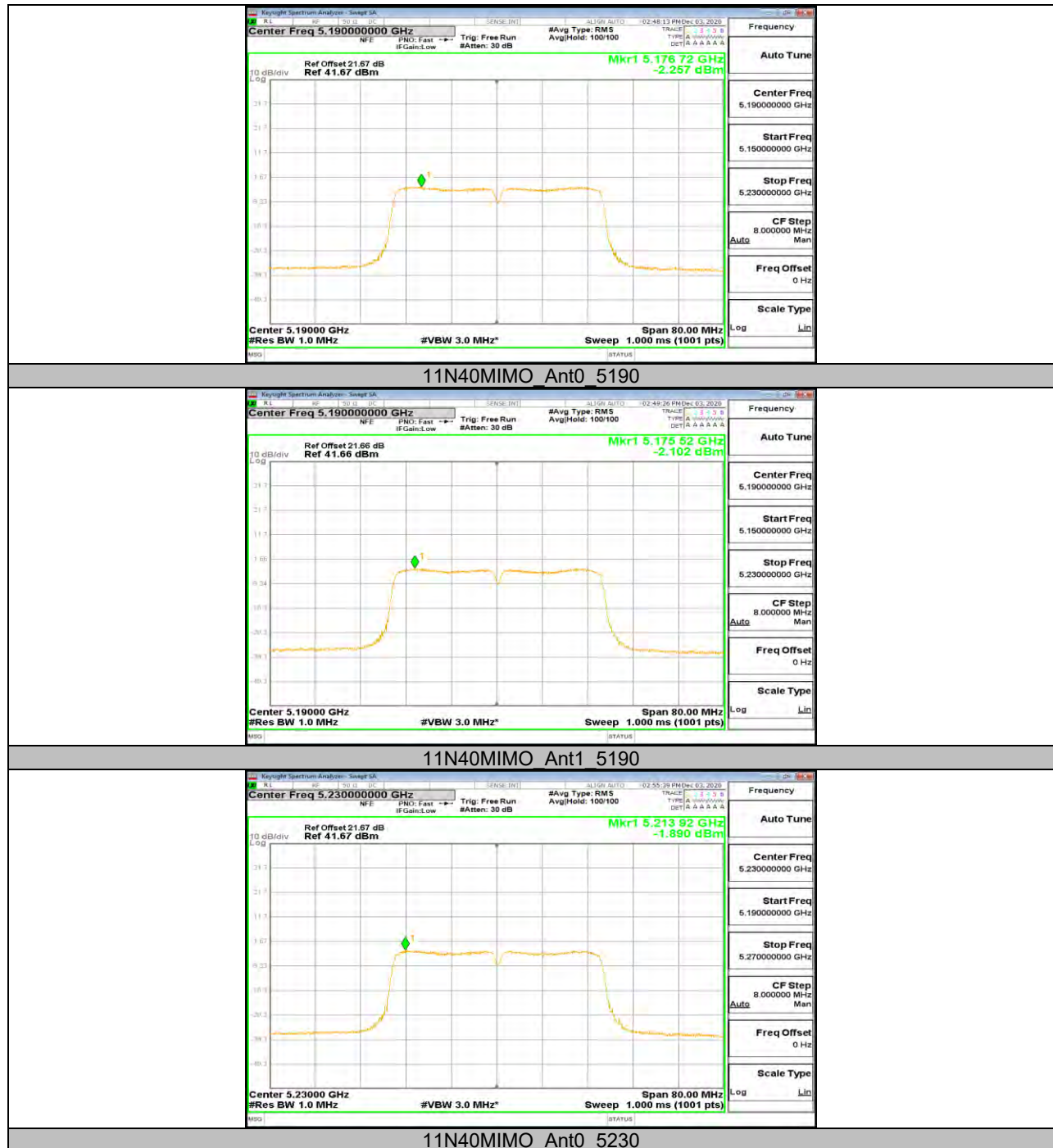


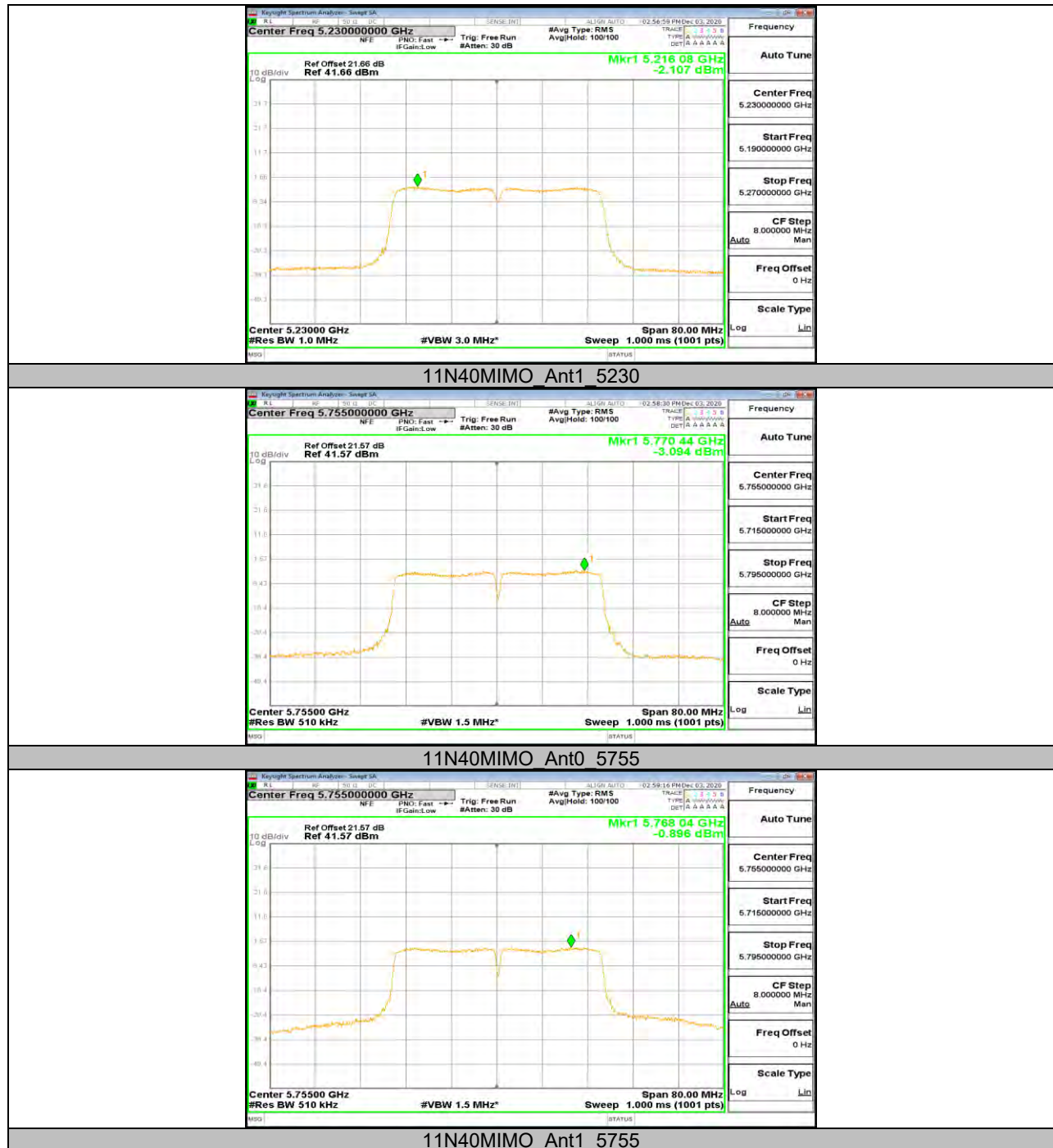


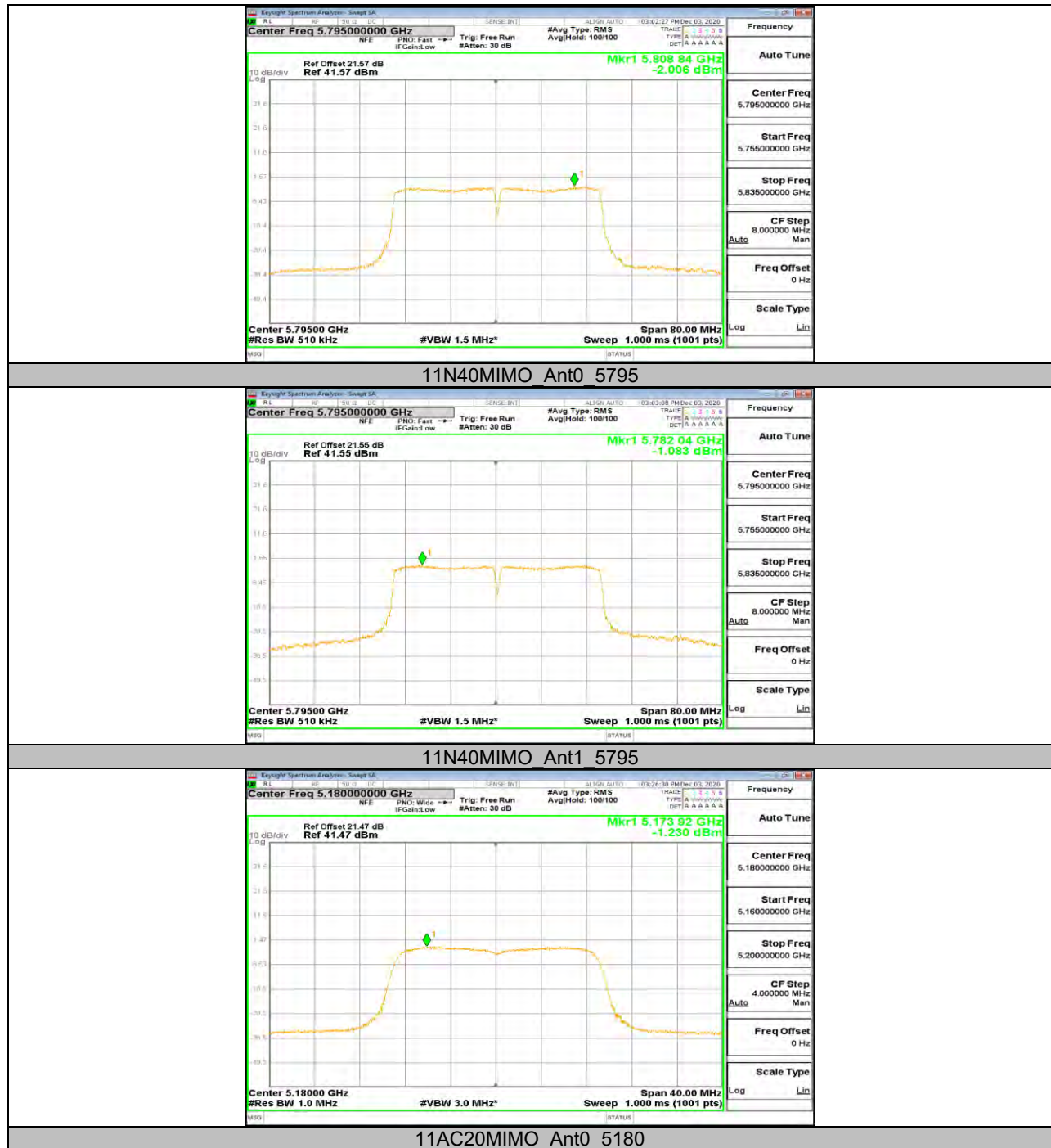


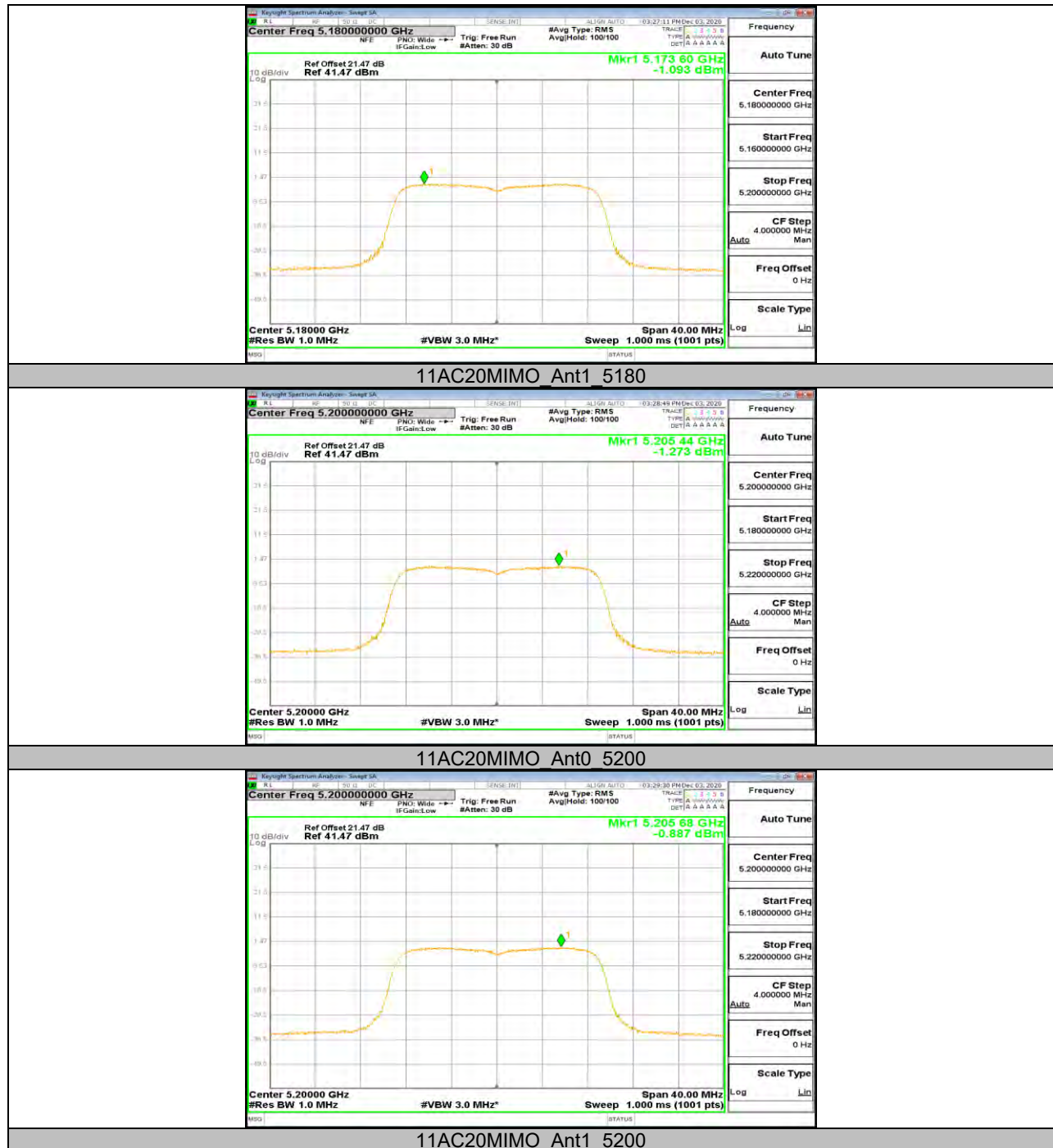


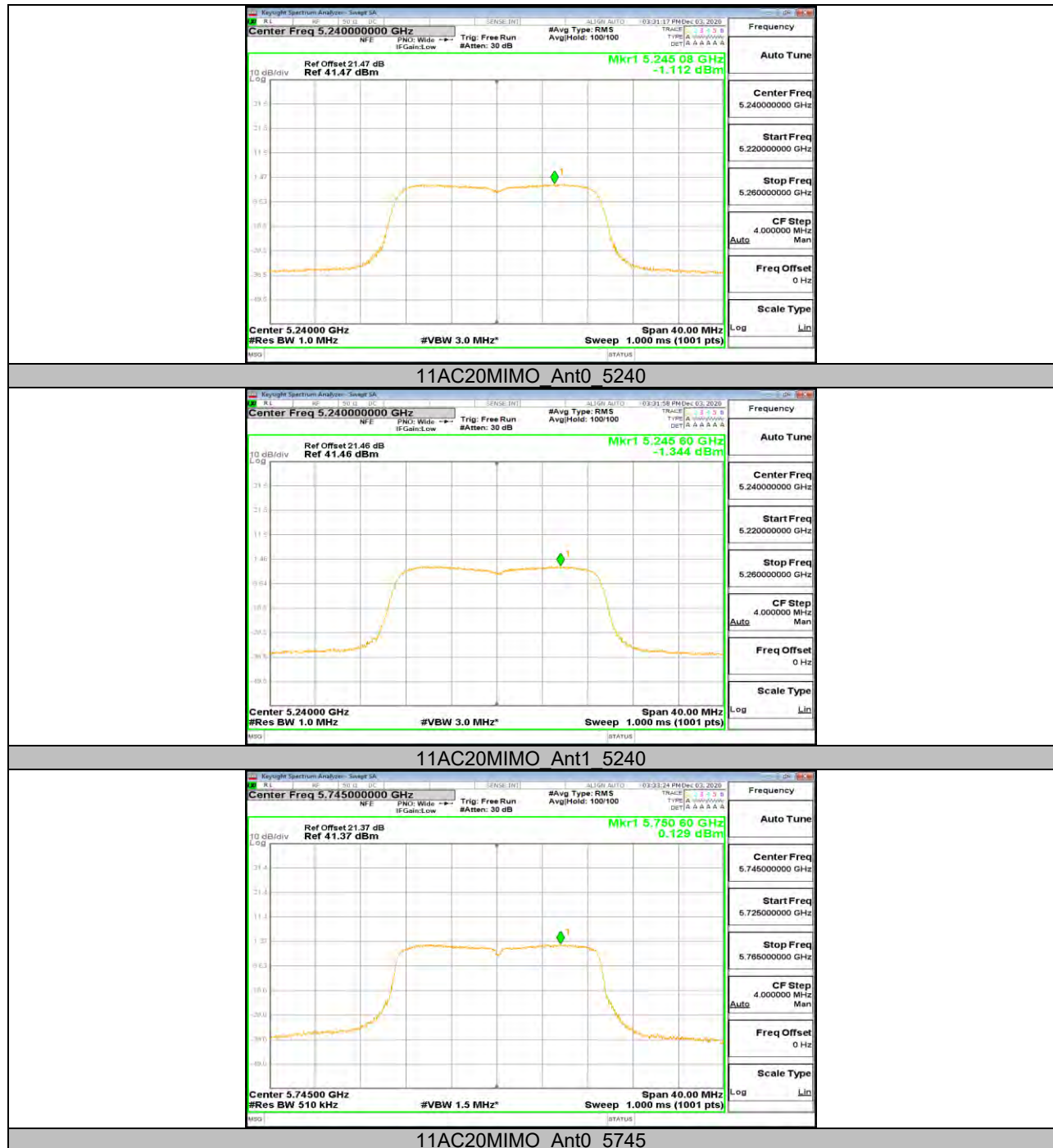


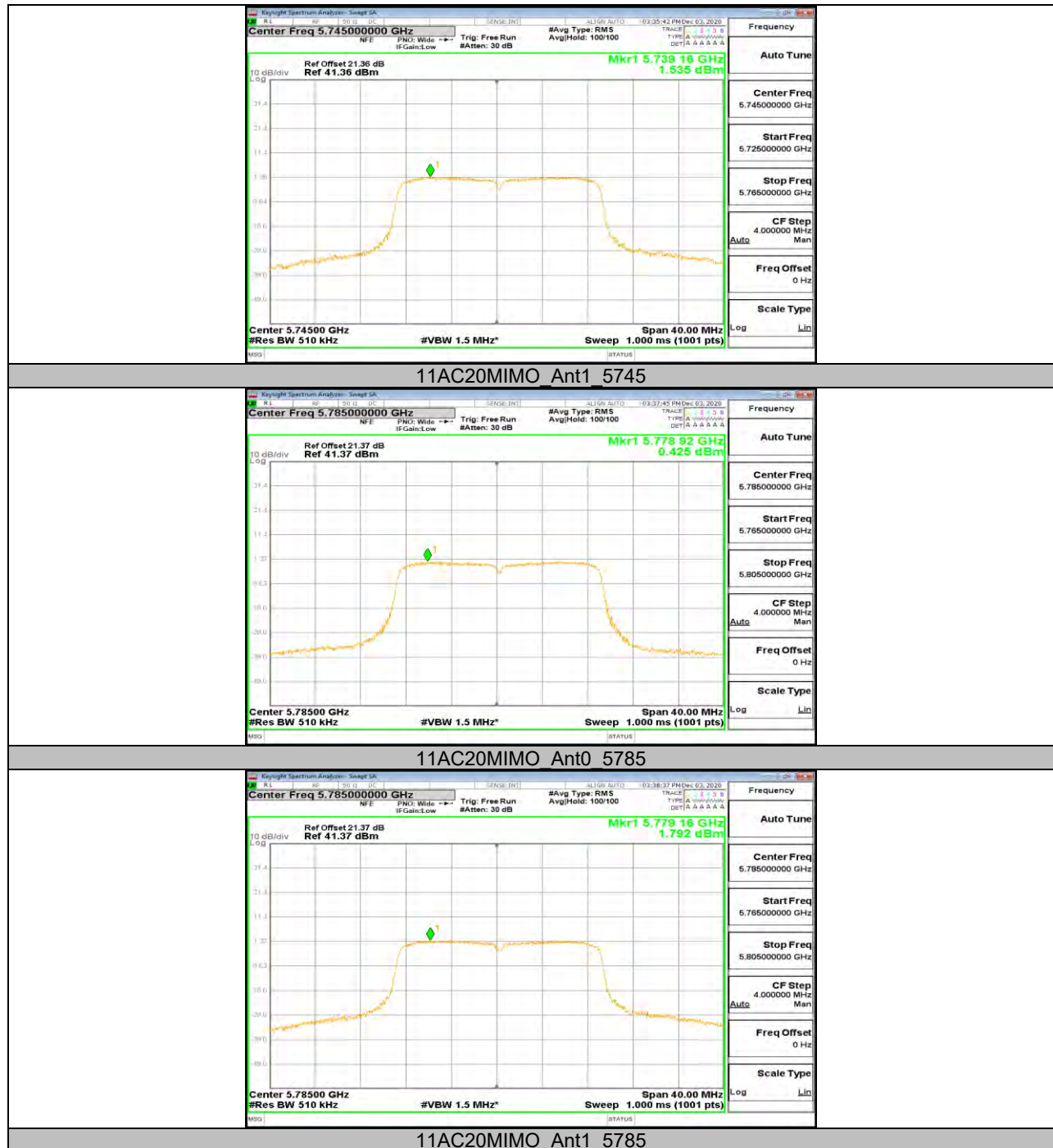


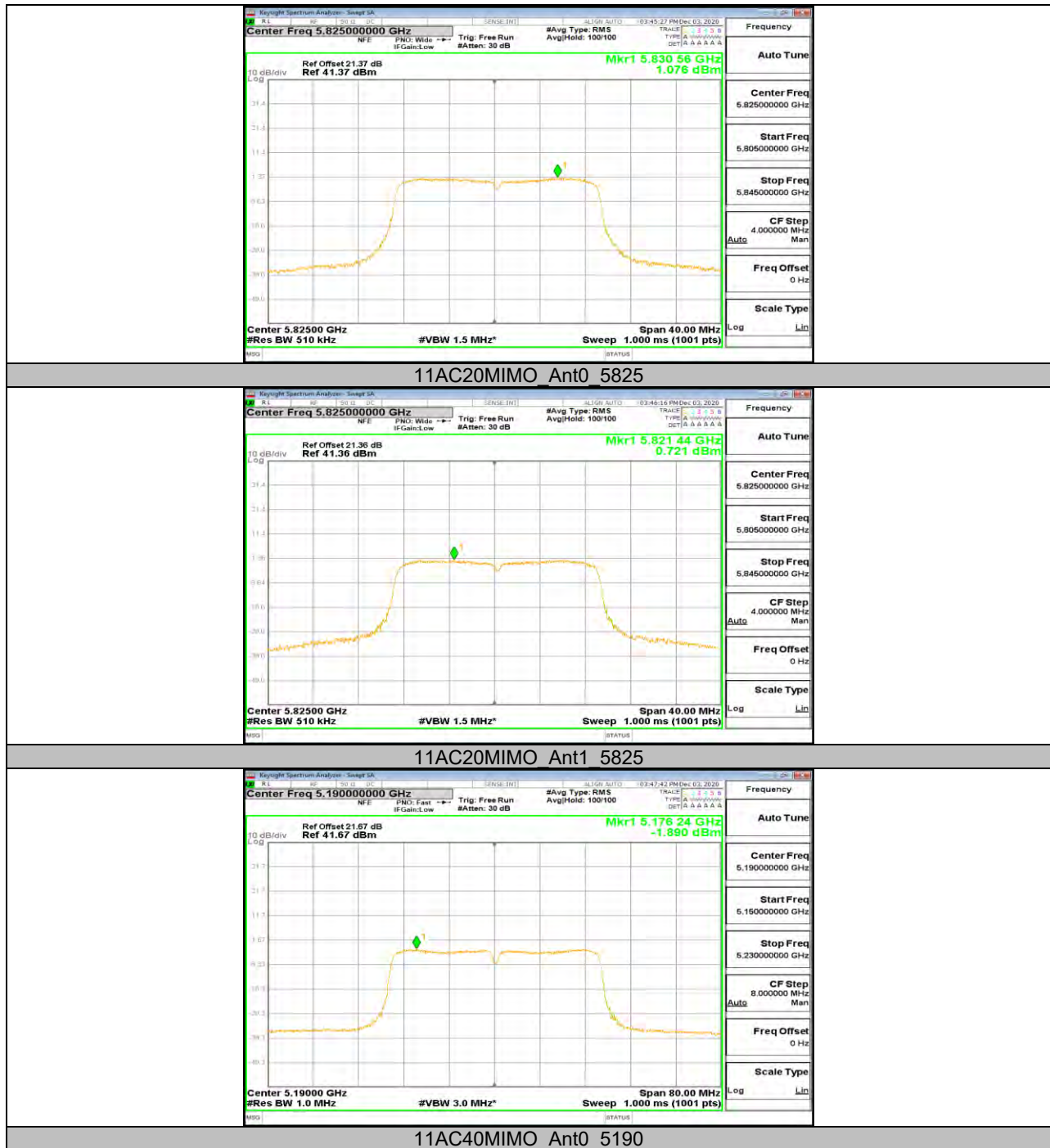


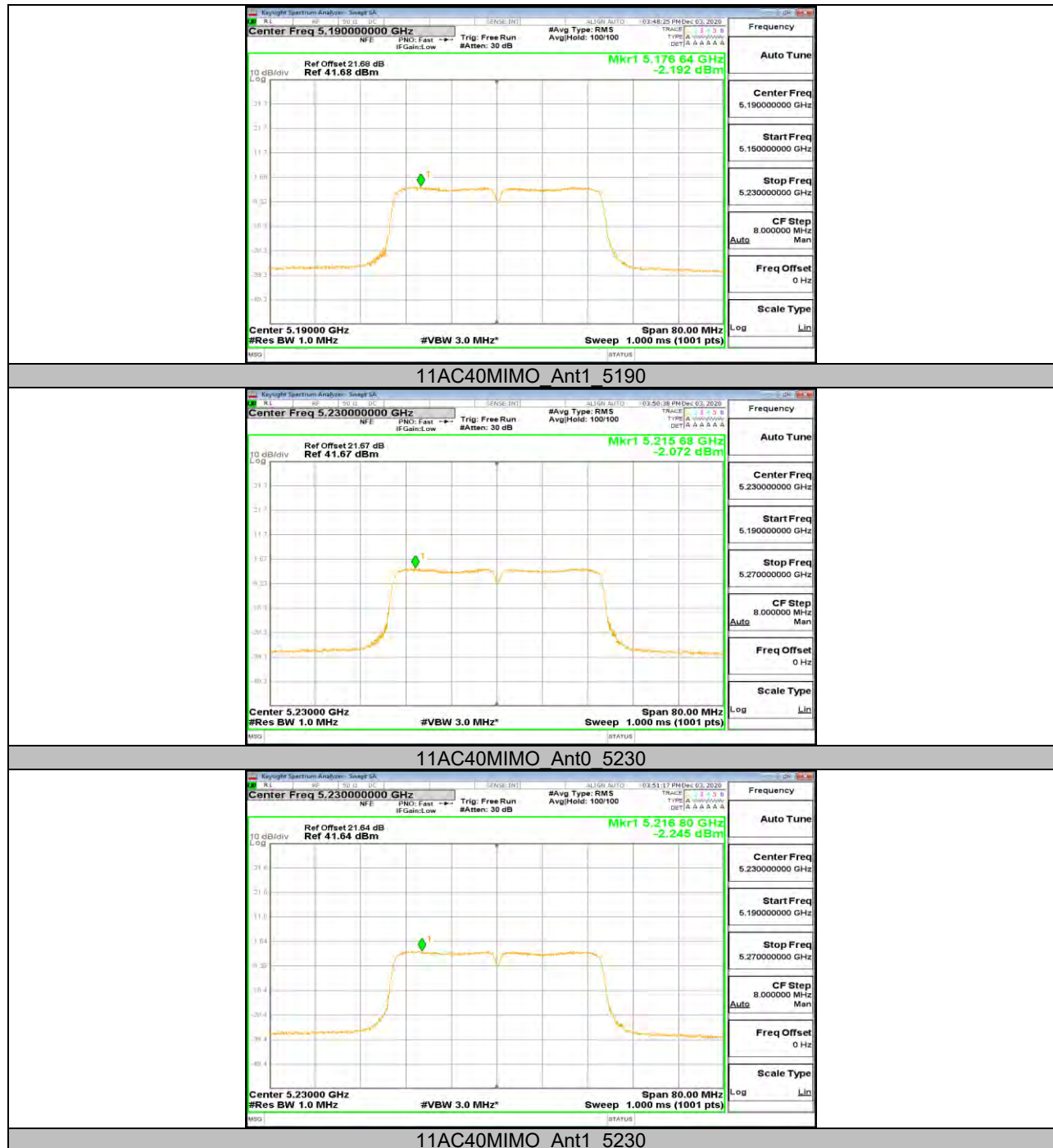


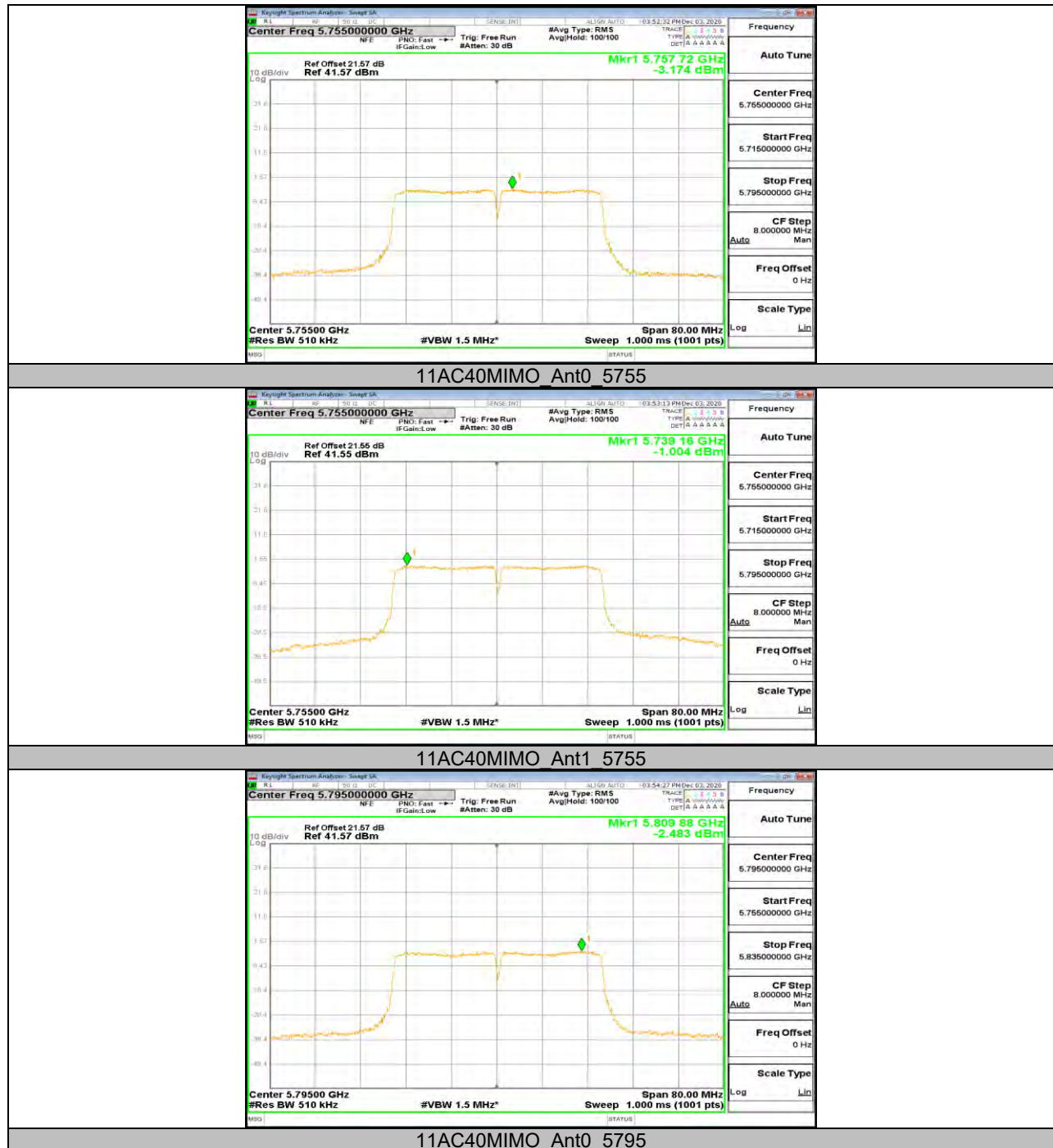




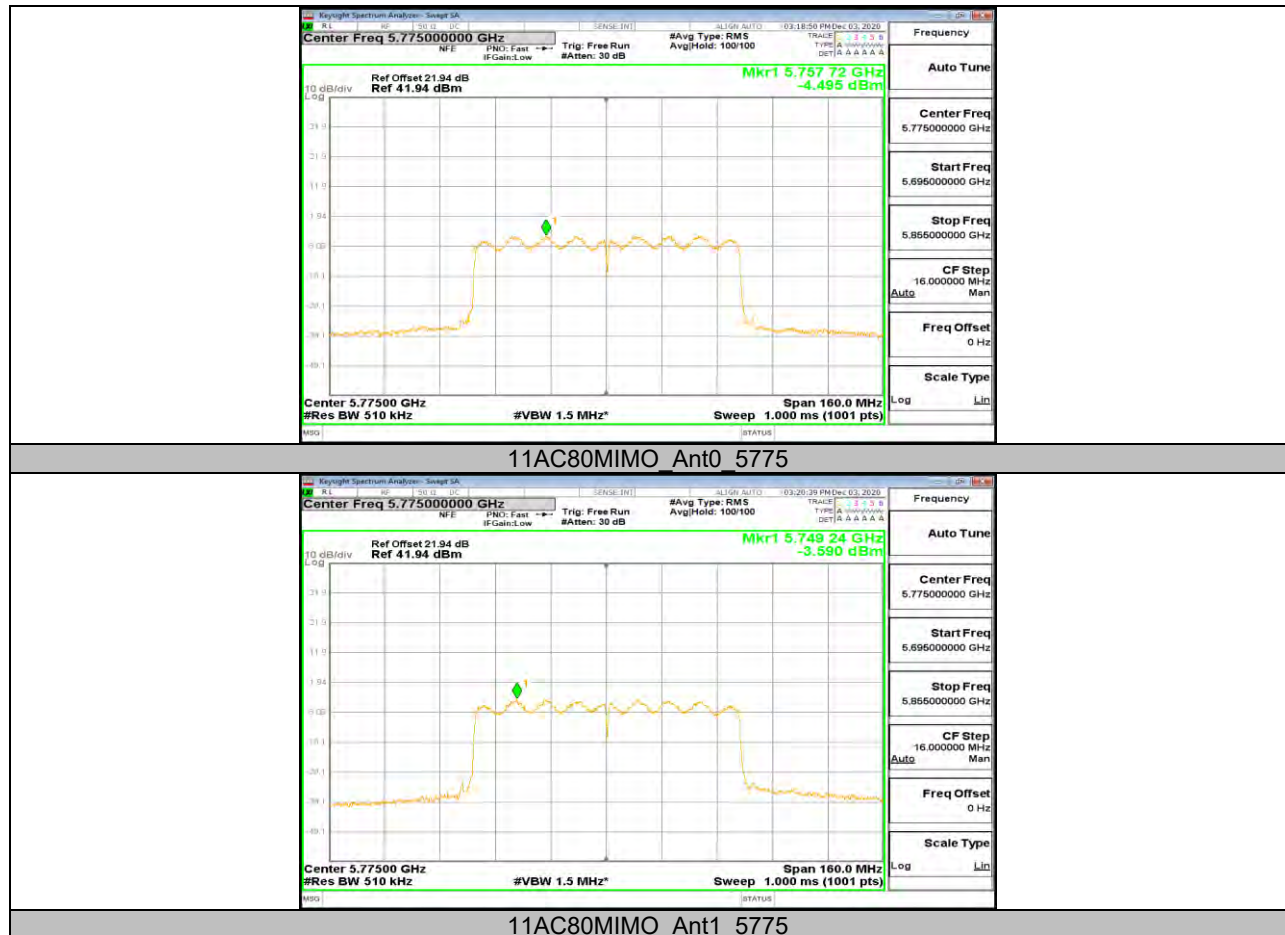














12.6. Appendix D: Duty Cycle

12.6.1. Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.36	1.41	0.9645	96.45	0.16	0.74	1
11N20MIMO	1.27	1.33	0.9549	95.49	0.20	0.79	1
11N40MIMO	0.63	0.68	0.9265	92.65	0.33	1.59	2
11AC20MIMO	1.27	1.33	0.9549	95.49	0.20	0.79	1
11AC40MIMO	0.63	0.69	0.9130	91.30	0.40	1.59	2
11AC80MIMO	0.32	0.37	0.8649	86.49	0.63	3.13	5

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.