

Appendix: 5G WIFI

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Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.320	5170.36 0	5189.680	---	PASS
		5200	19.920	5190.00 0	5209.920	---	PASS
		5240	19.360	5230.40 0	5249.760	---	PASS
		5745	19.440	5735.20 0	5754.640	---	PASS
		5785	19.960	5775.08 0	5795.040	---	PASS
		5825	19.840	5815.04 0	5834.880	---	PASS
11N20SI SO	Ant1	5180	19.120	5170.28 0	5189.400	---	PASS
		5200	19.720	5190.24 0	5209.960	---	PASS
		5240	19.880	5230.08 0	5249.960	---	PASS
		5745	20.000	5734.96 0	5754.960	---	PASS
		5785	19.640	5775.28 0	5794.920	---	PASS
		5825	19.360	5815.40 0	5834.760	---	PASS
11N40SI SO	Ant1	5190	39.920	5169.92 0	5209.840	---	PASS
		5230	39.680	5210.24 0	5249.920	---	PASS
		5755	39.840	5735.40 0	5775.240	---	PASS
		5795	39.360	5775.56 0	5814.920	---	PASS
11AC20S ISO	Ant1	5180	20.120	5169.96 0	5190.080	---	PASS
		5200	19.880	5190.04 0	5209.920	---	PASS

		5240	19.720	5230.12 0	5249.840	---	PASS
		5745	20.160	5735.04 0	5755.200	---	PASS
		5785	19.680	5775.08 0	5794.760	---	PASS
		5825	19.560	5815.20 0	5834.760	---	PASS
11AC40S ISO	Ant1	5190	40.640	5169.60 0	5210.240	---	PASS
		5230	39.760	5209.84 0	5249.600	---	PASS
		5755	39.760	5735.16 0	5774.920	---	PASS
		5795	40.480	5775.08 0	5815.560	---	PASS
11AC80S ISO	Ant1	5210	80.160	5170.16 0	5250.320	---	PASS
		5775	79.680	5735.00 0	5814.680	---	PASS

Test Graphs

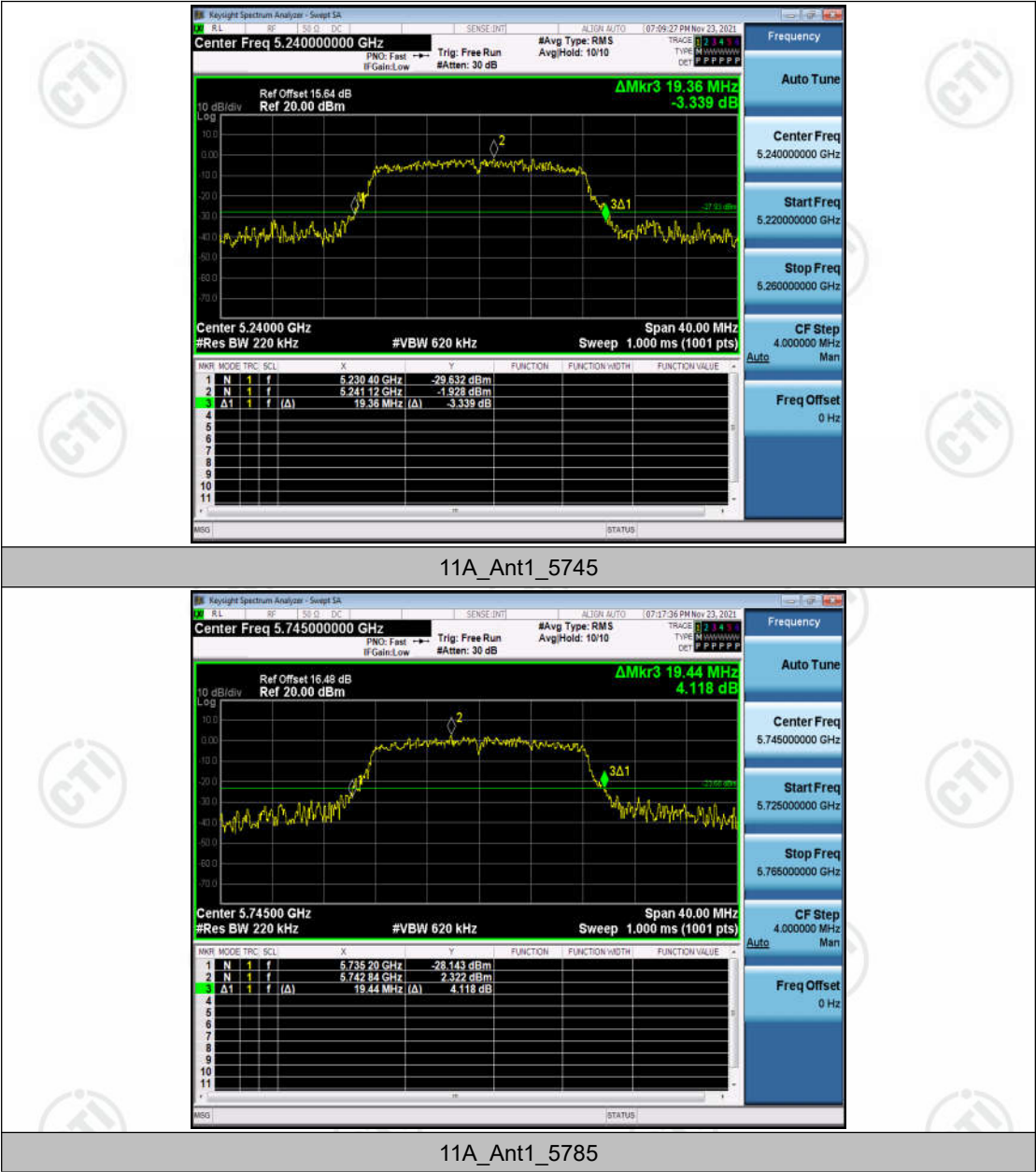
11A_Ant1_5180

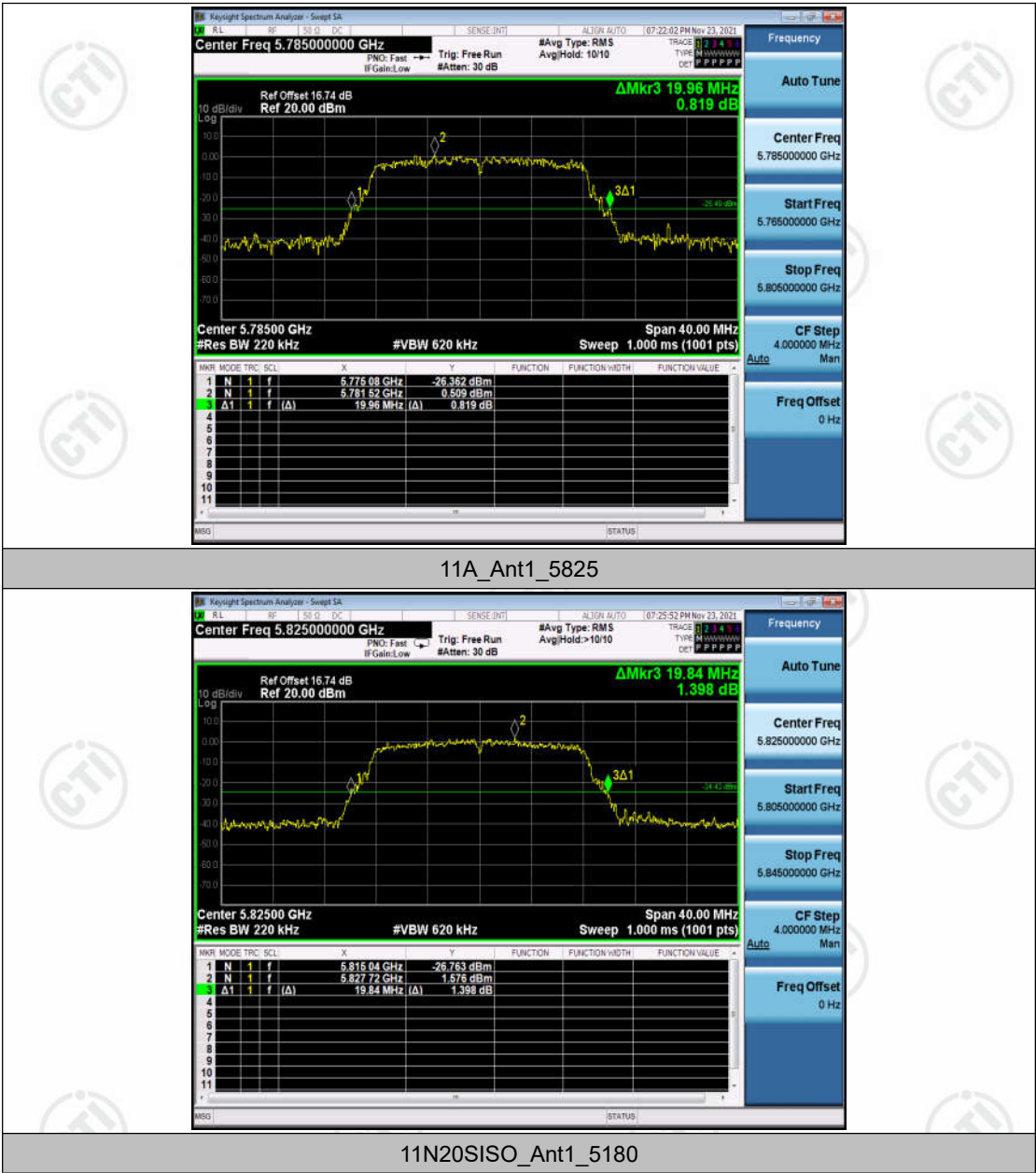


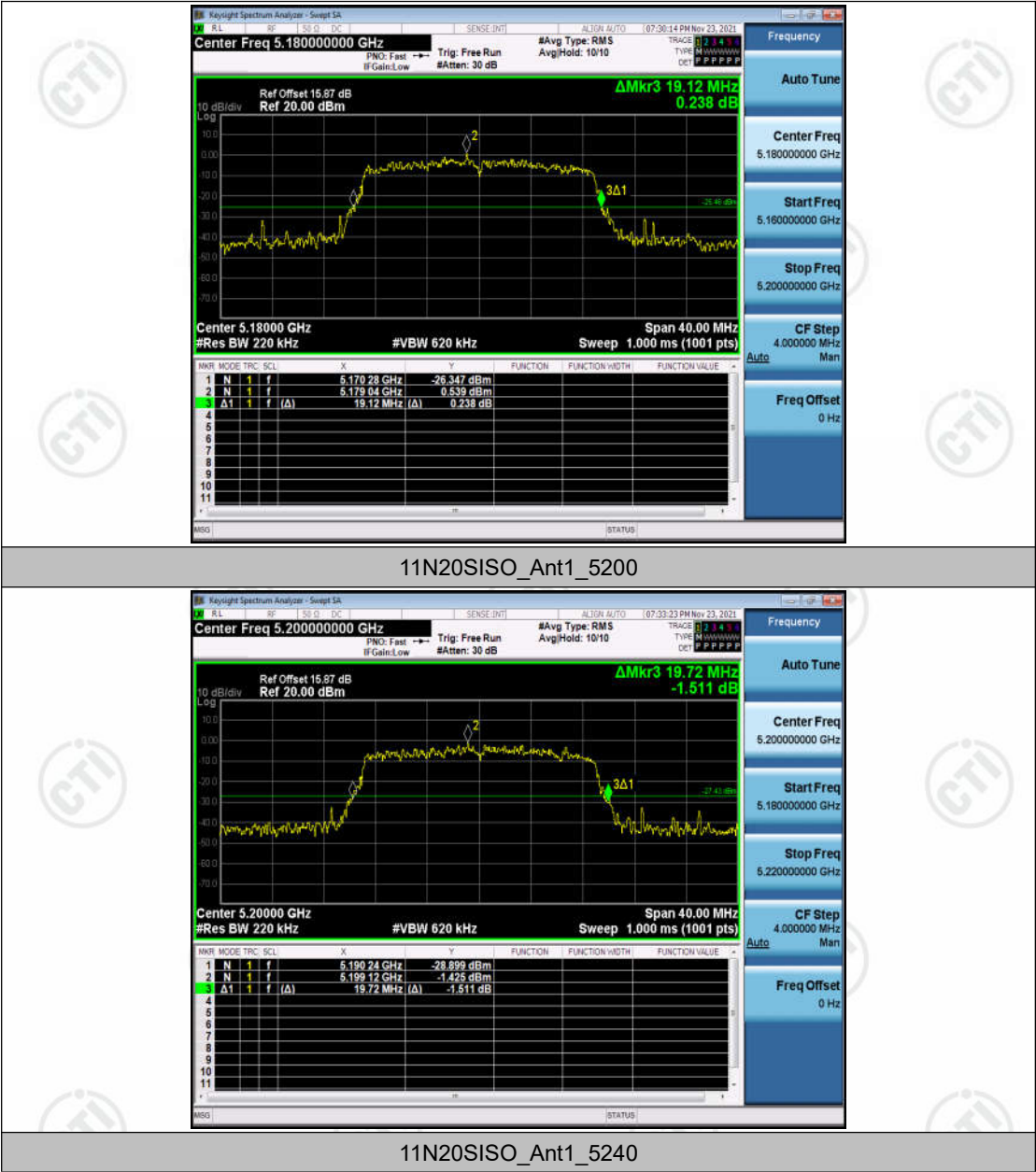
11A_Ant1_5200

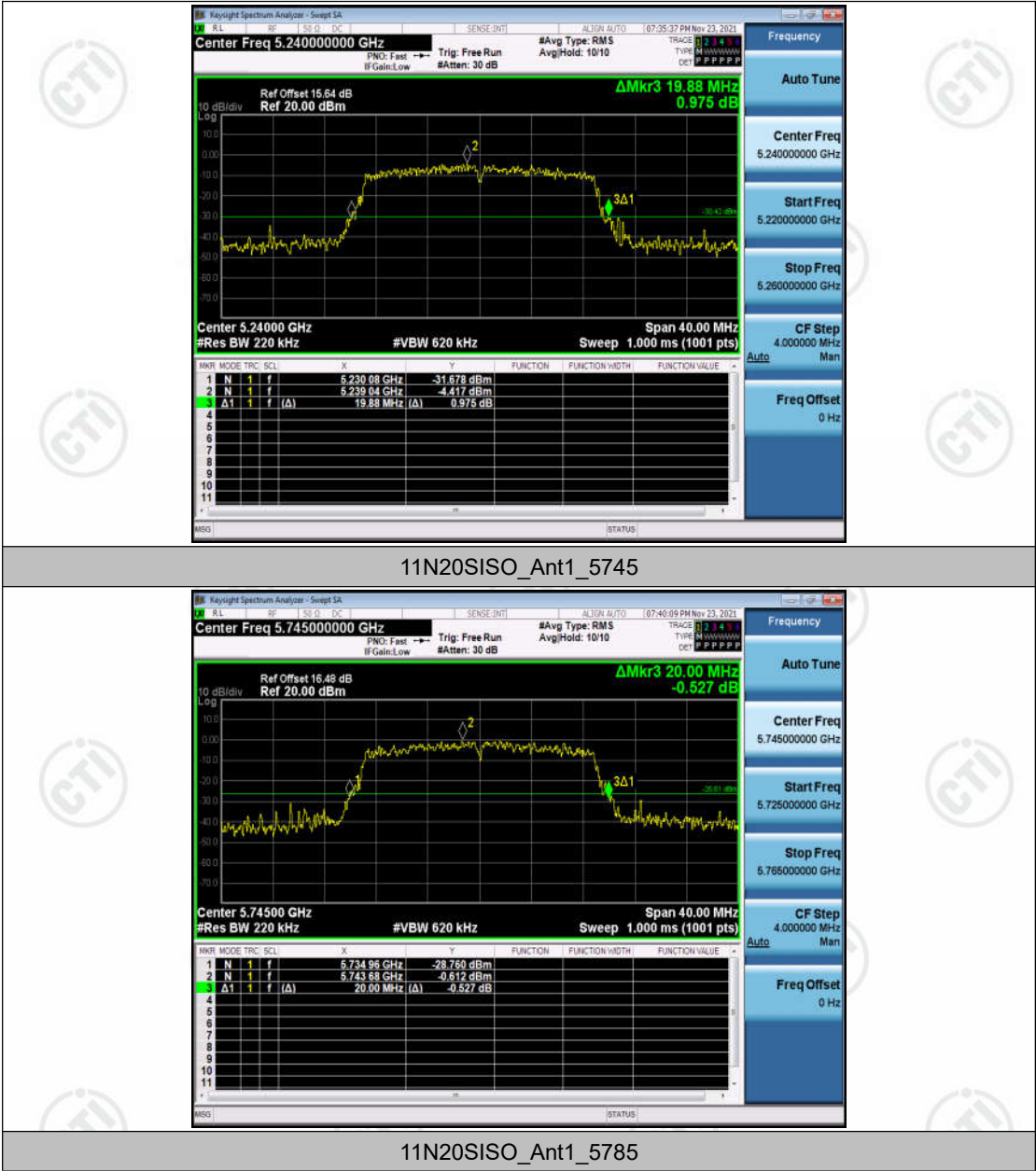


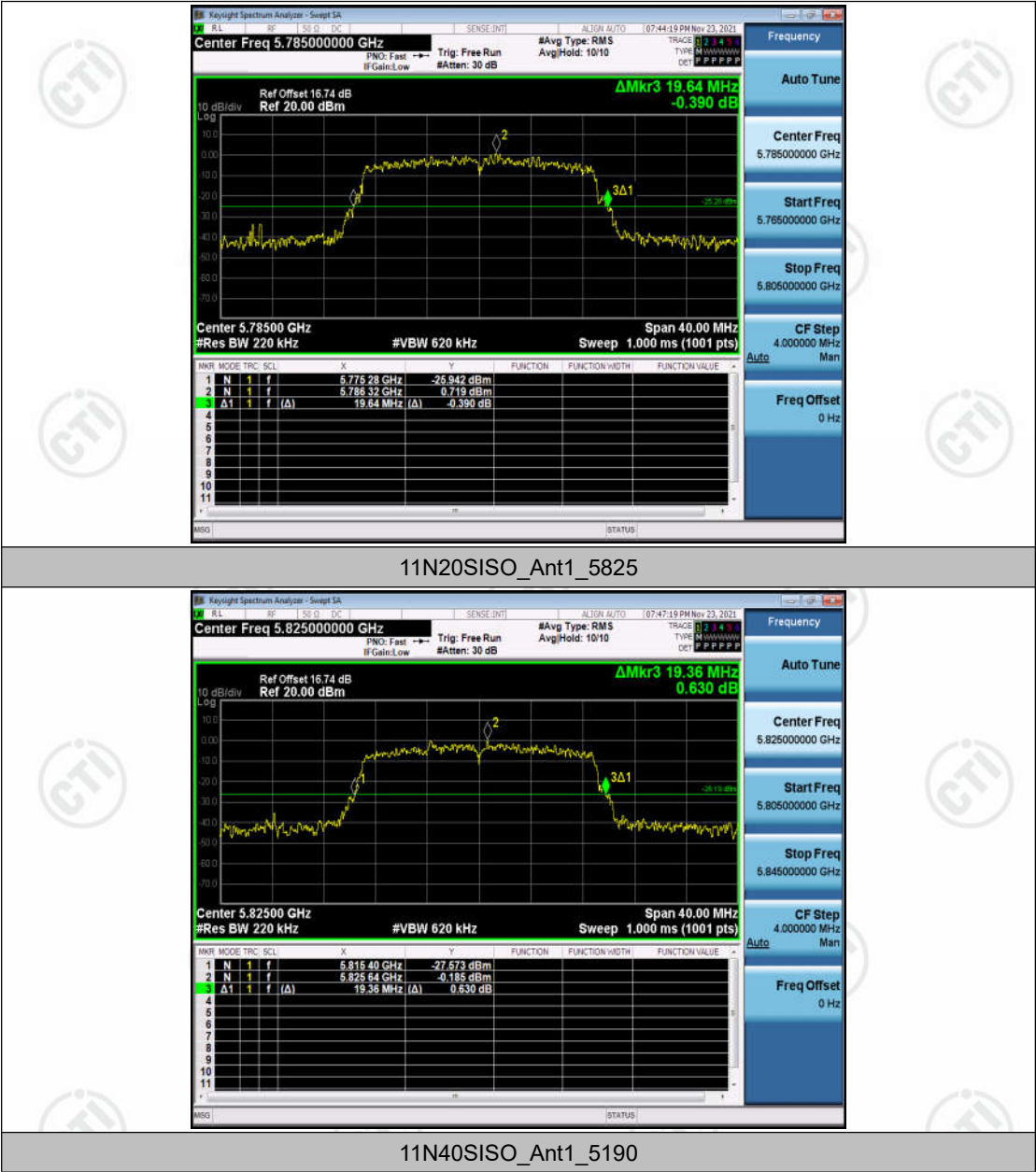
11A_Ant1_5240

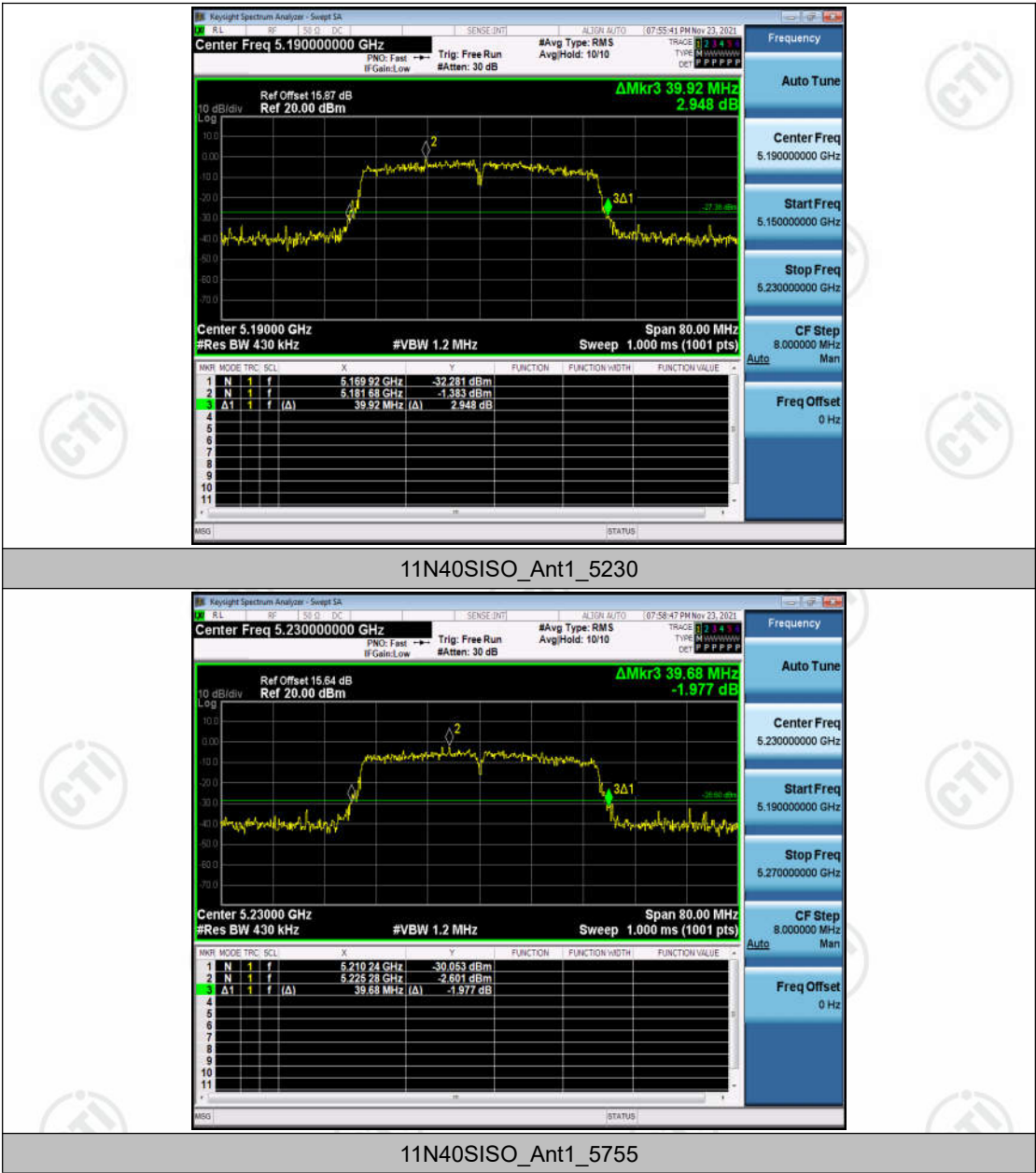


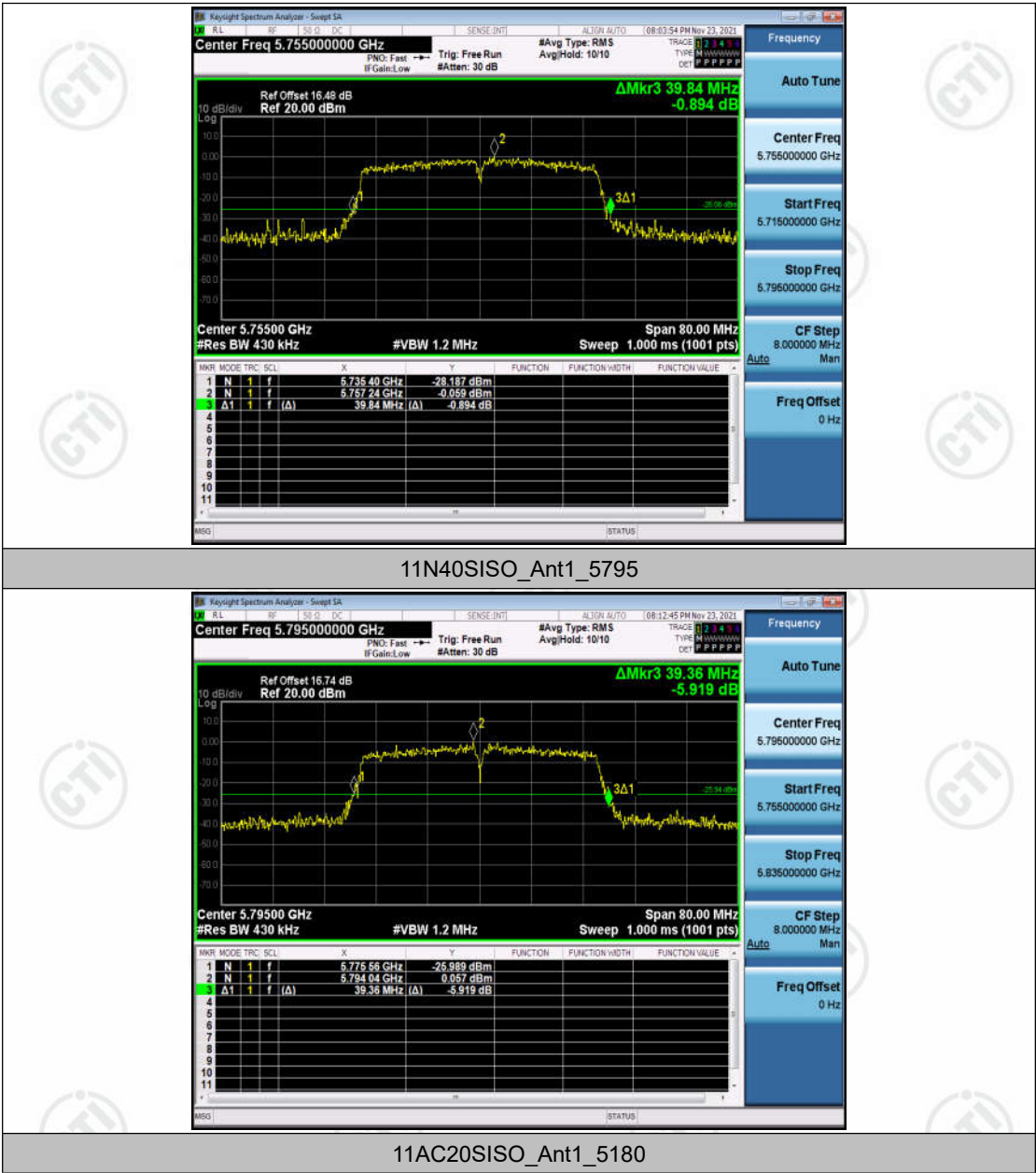


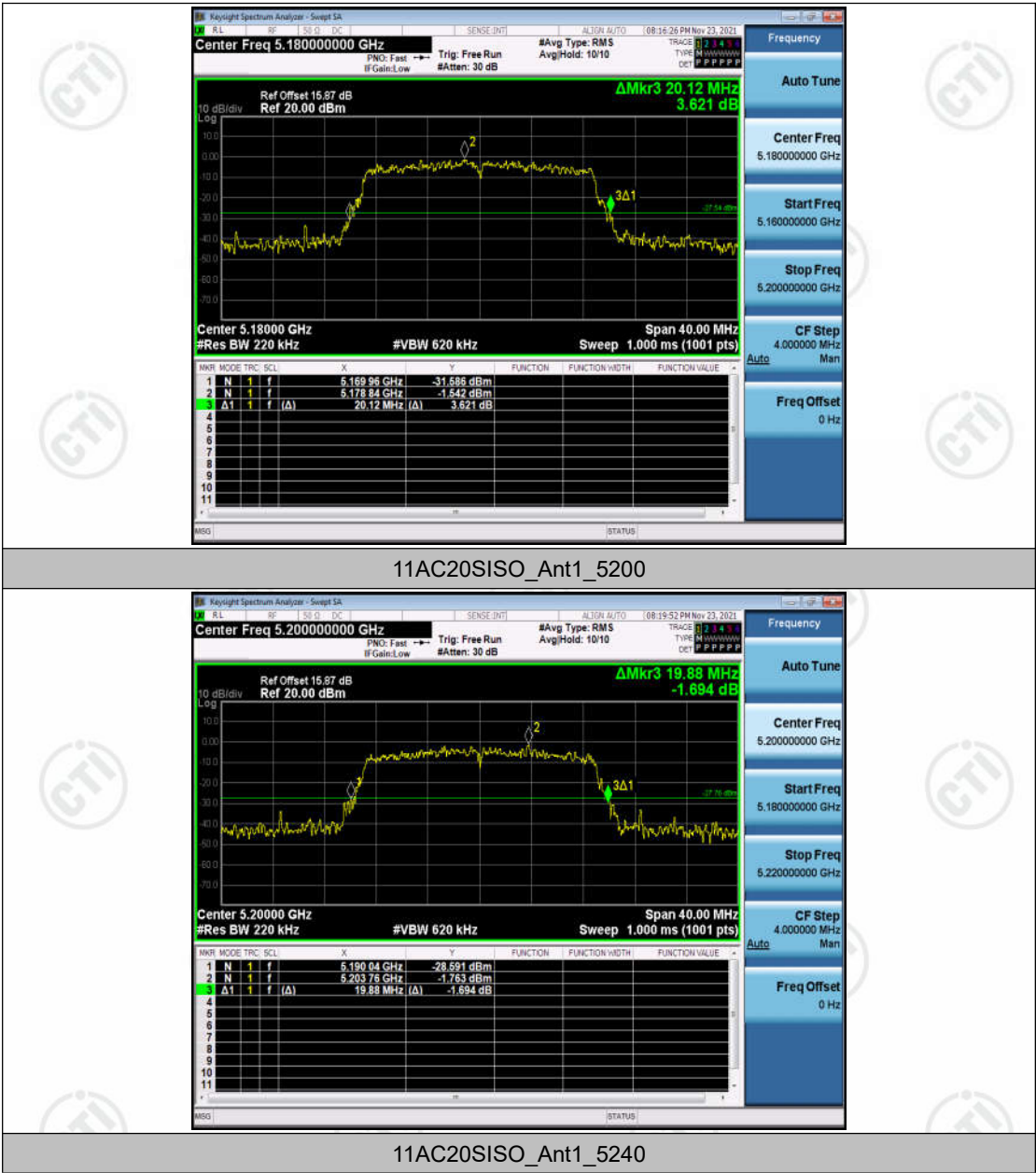


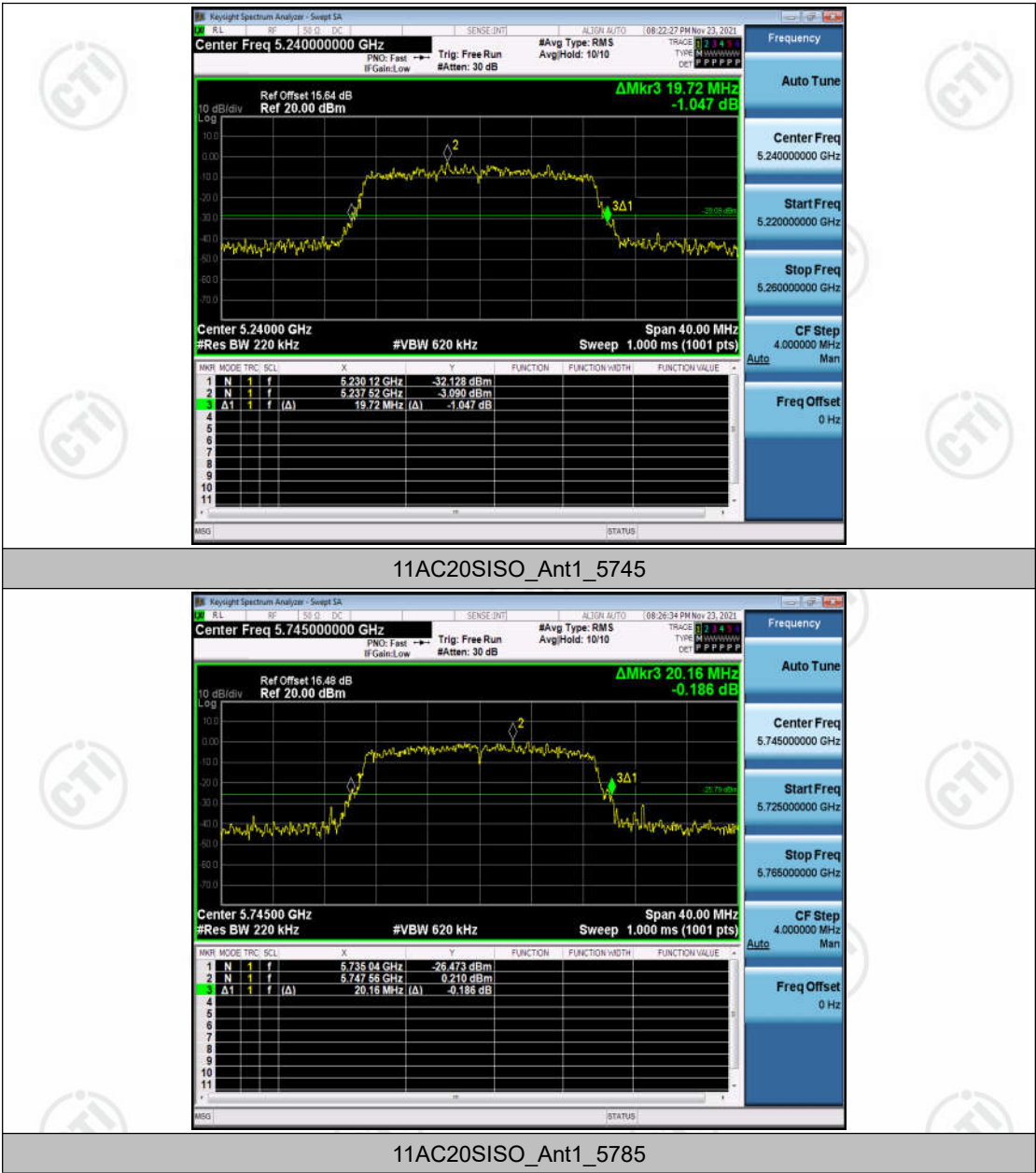


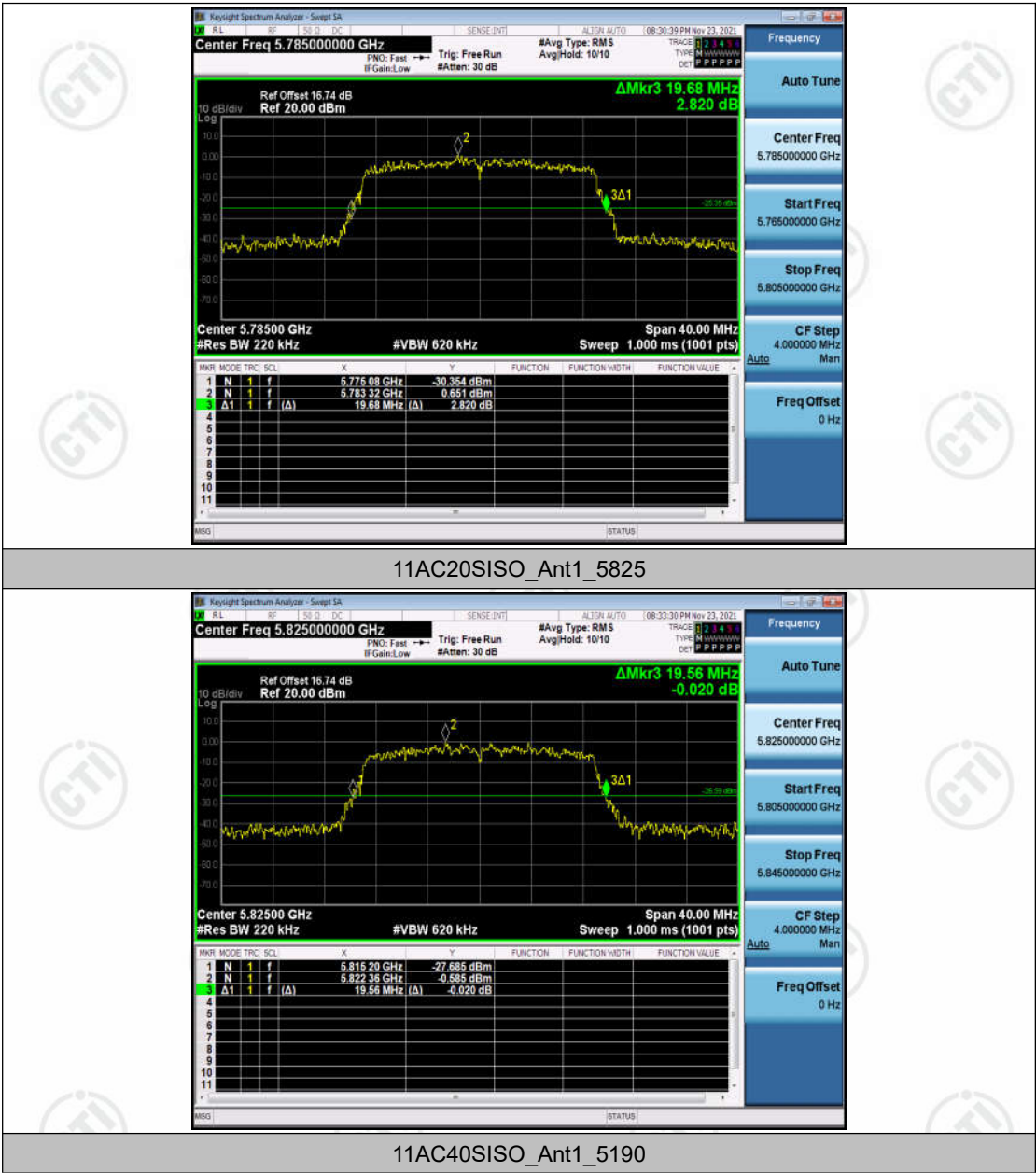


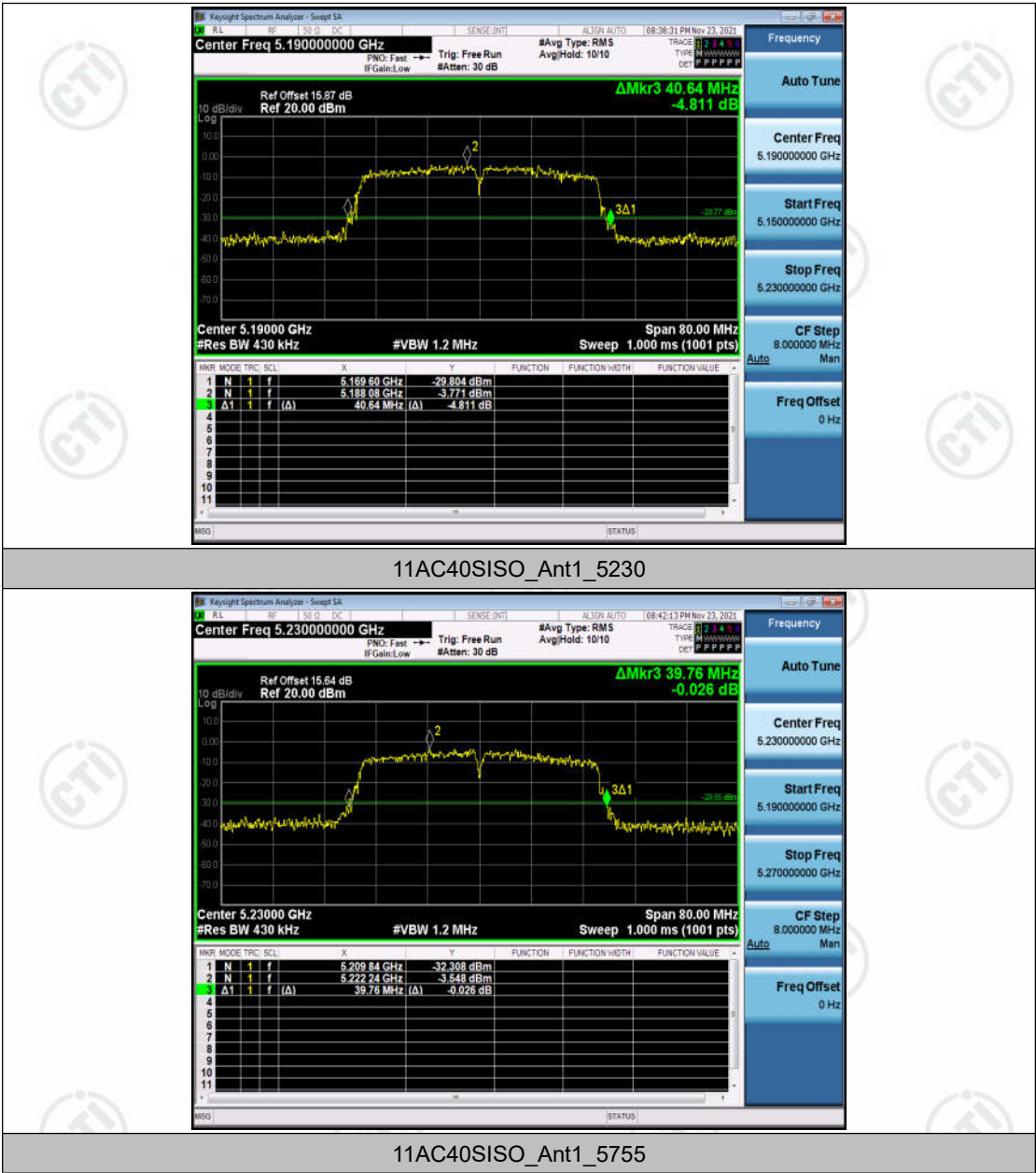


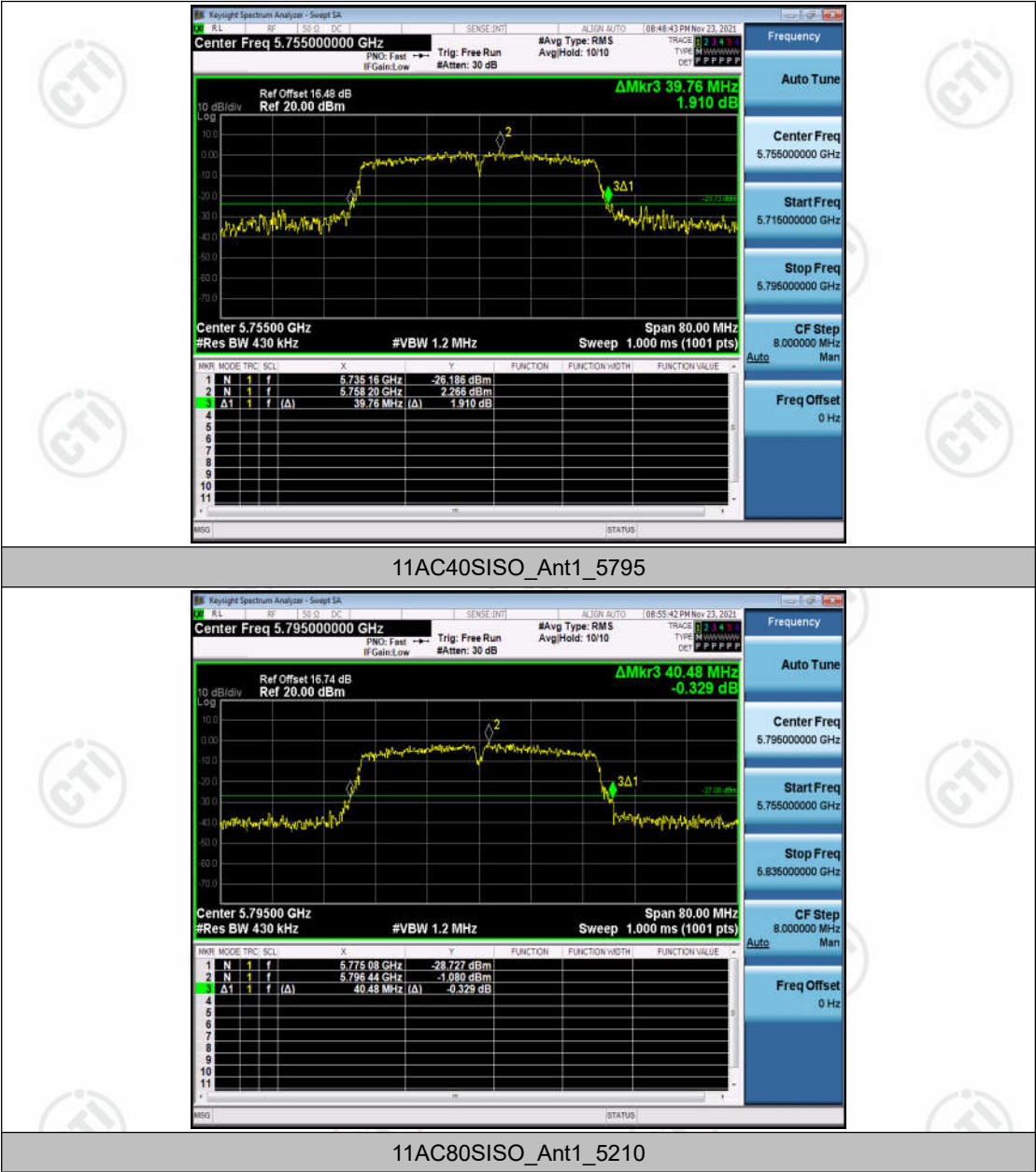


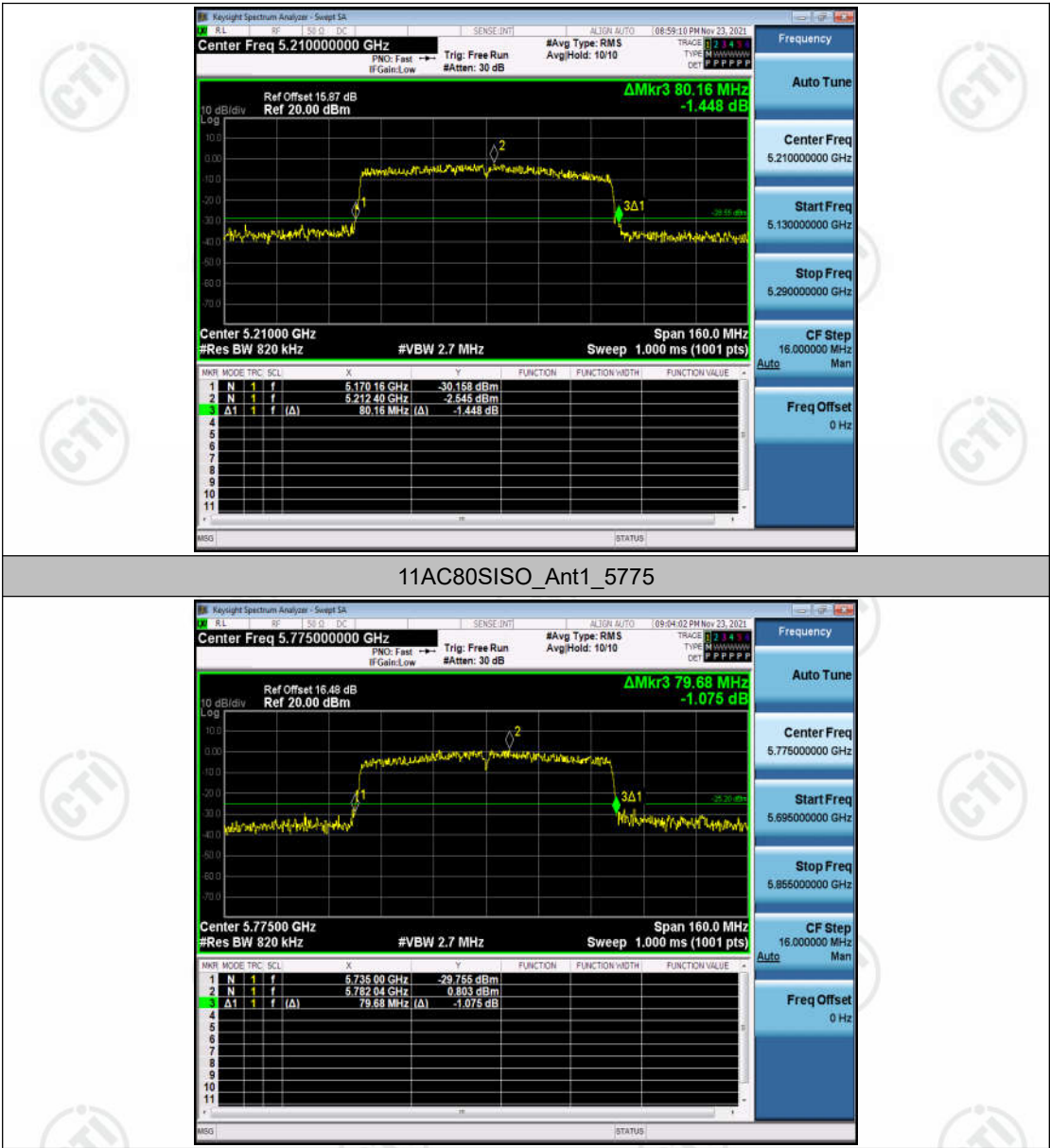










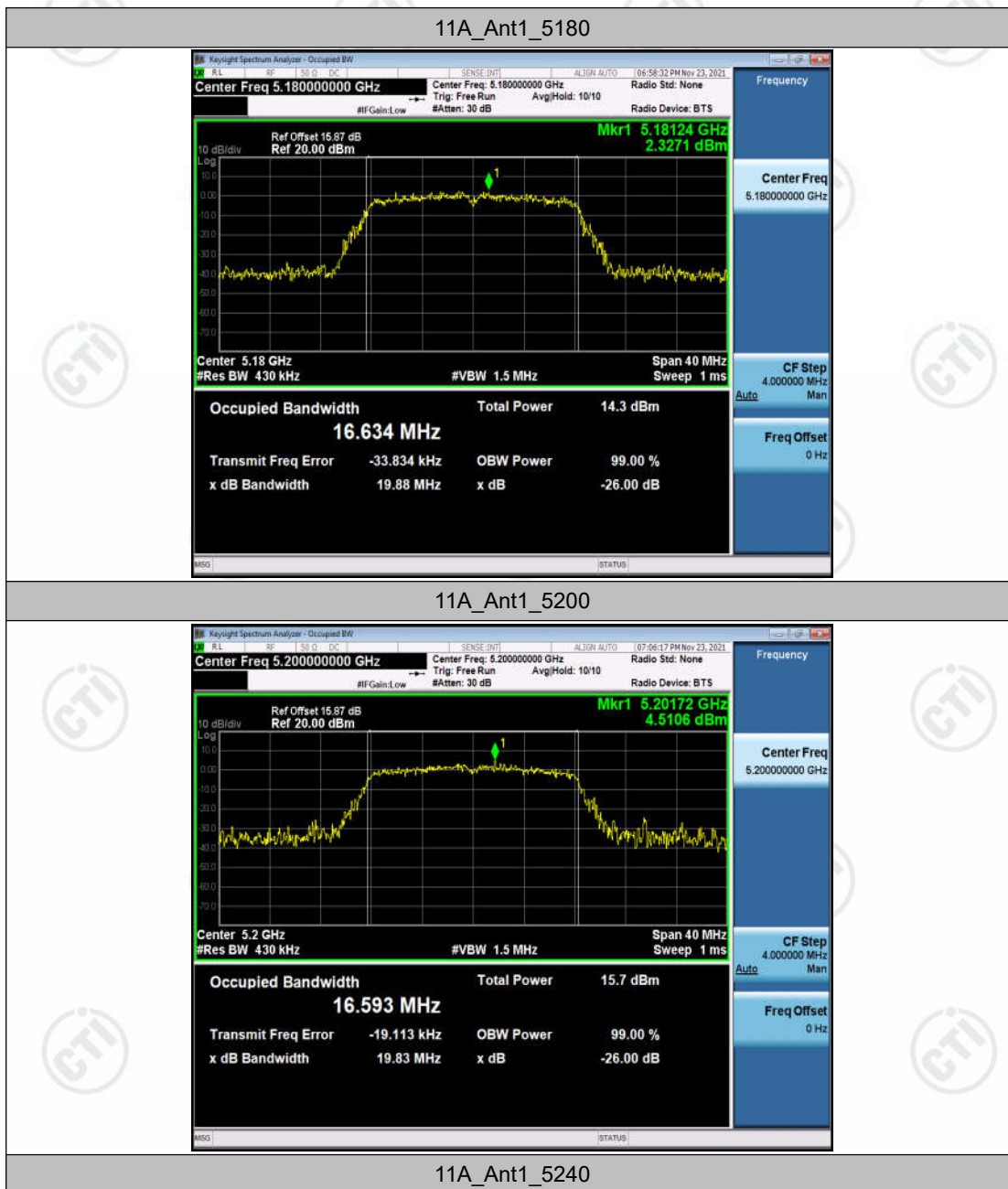


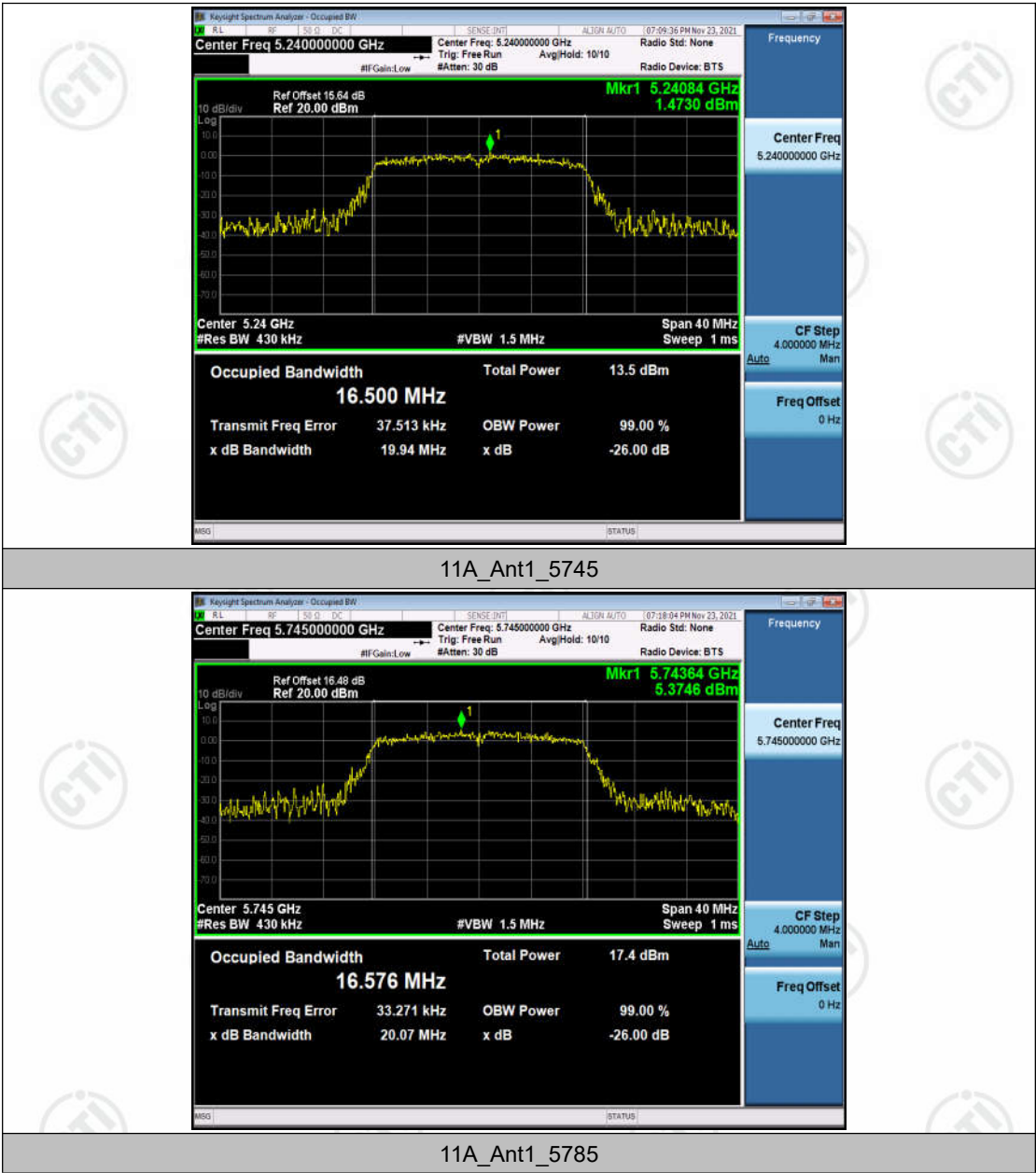
Appendix A2: Occupied channel bandwidth

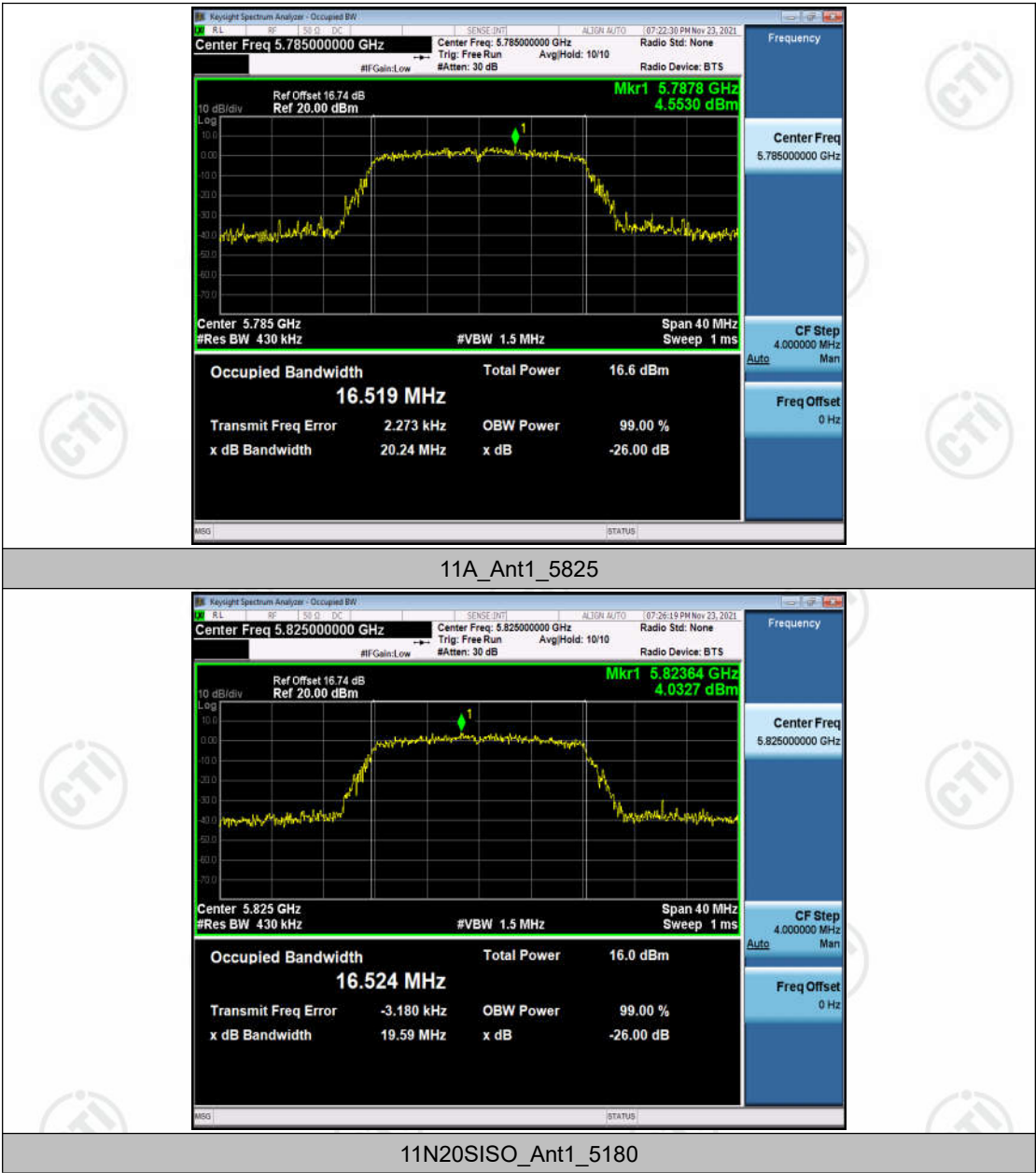
Test Result

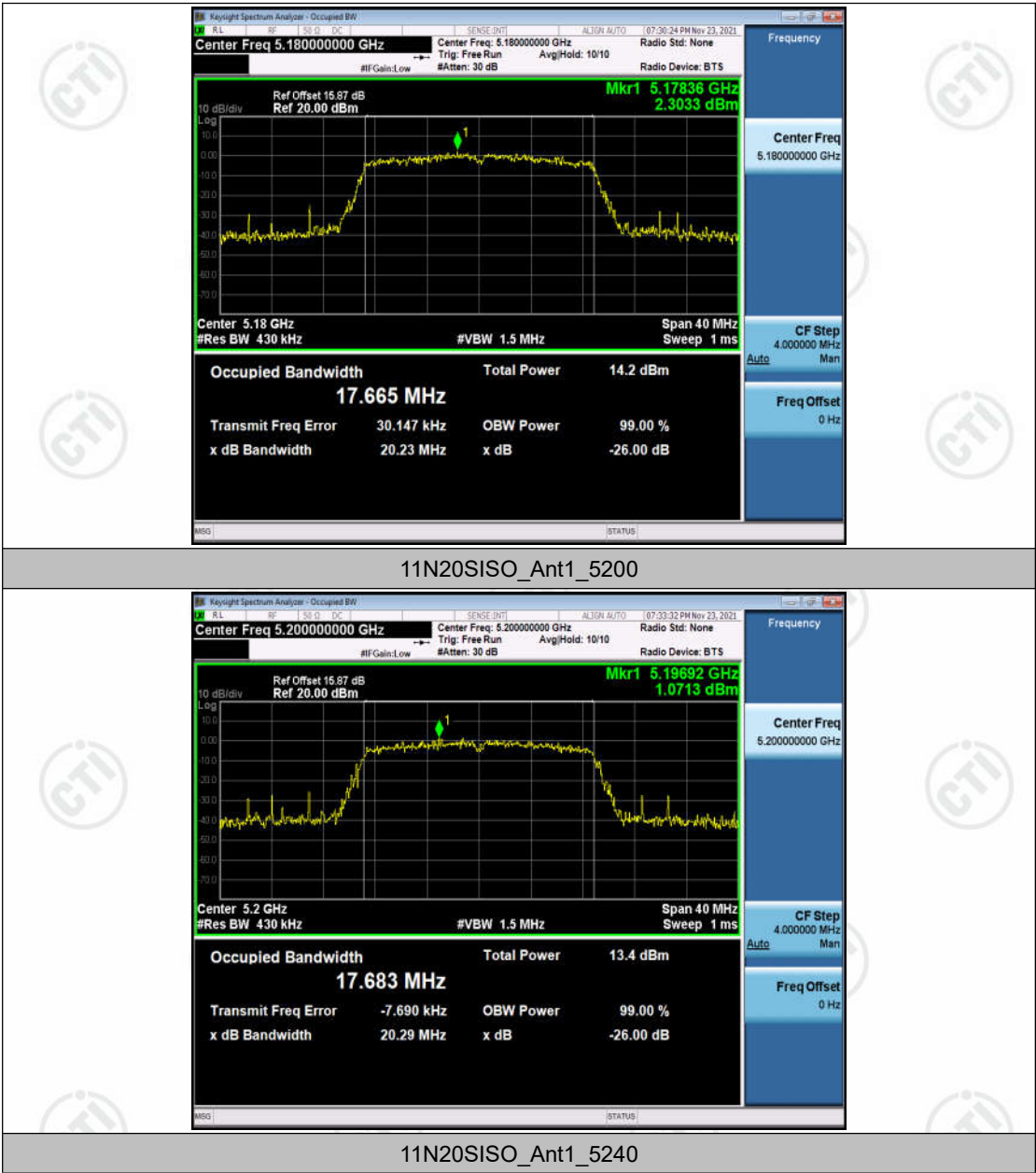
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.634	5171.649	5188.283	---	PASS
		5200	16.593	5191.684	5208.277	---	PASS
		5240	16.500	5231.788	5248.288	---	PASS
		5745	16.576	5736.745	5753.321	---	PASS
		5785	16.519	5776.743	5793.262	---	PASS
		5825	16.524	5816.735	5833.259	---	PASS
11N20SI SO	Ant1	5180	17.665	5171.198	5188.863	---	PASS
		5200	17.683	5191.151	5208.834	---	PASS
		5240	17.601	5231.196	5248.797	---	PASS
		5745	17.678	5736.136	5753.814	---	PASS
		5785	17.694	5776.104	5793.798	---	PASS
		5825	17.675	5816.151	5833.826	---	PASS
11N40SI SO	Ant1	5190	36.138	5171.910	5208.048	---	PASS
		5230	35.987	5211.936	5247.923	---	PASS
		5755	36.077	5737.027	5773.104	---	PASS
		5795	36.033	5777.026	5813.059	---	PASS
11AC20S ISO	Ant1	5180	17.720	5171.125	5188.845	---	PASS
		5200	17.640	5191.147	5208.787	---	PASS
		5240	17.635	5231.134	5248.769	---	PASS
		5745	17.615	5736.213	5753.828	---	PASS
		5785	17.645	5776.202	5793.847	---	PASS
		5825	17.603	5816.177	5833.780	---	PASS
11AC40S ISO	Ant1	5190	36.096	5171.938	5208.034	---	PASS
		5230	36.074	5211.905	5247.979	---	PASS
		5755	36.008	5737.081	5773.089	---	PASS
		5795	36.074	5777.049	5813.123	---	PASS
11AC80S ISO	Ant1	5210	75.443	5172.206	5247.649	---	PASS
		5775	75.439	5737.406	5812.845	---	PASS

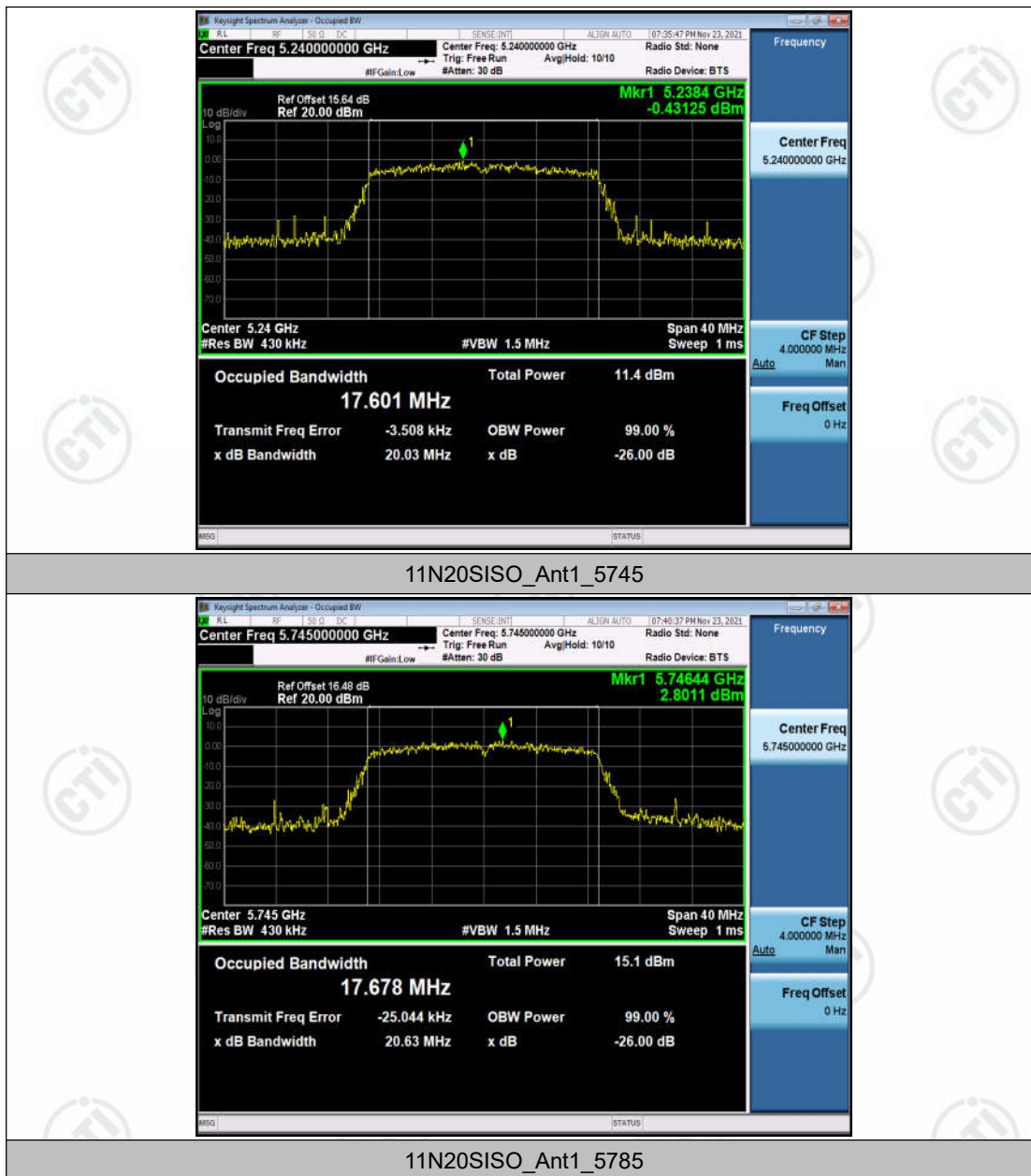
Test Graphs

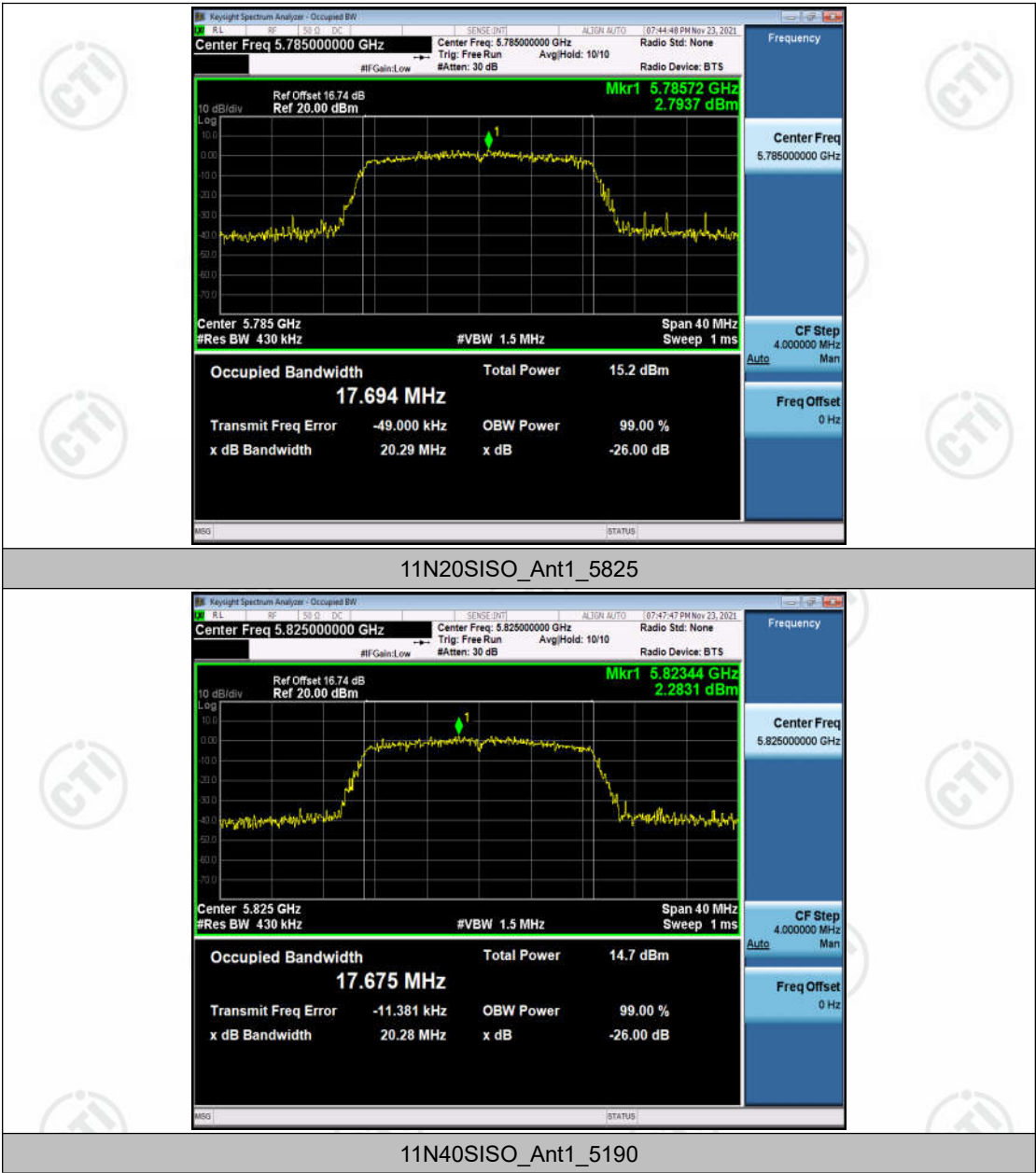


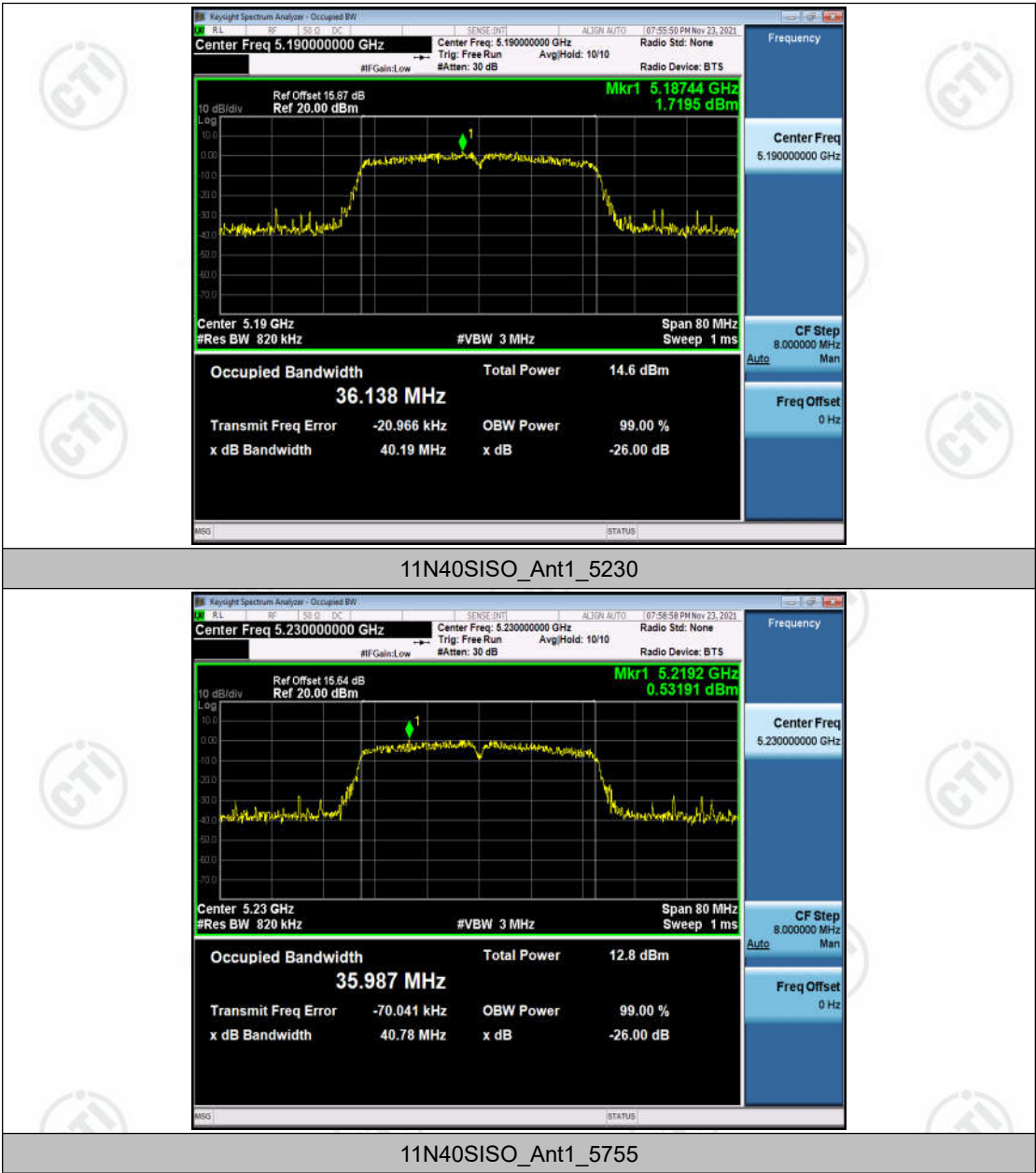


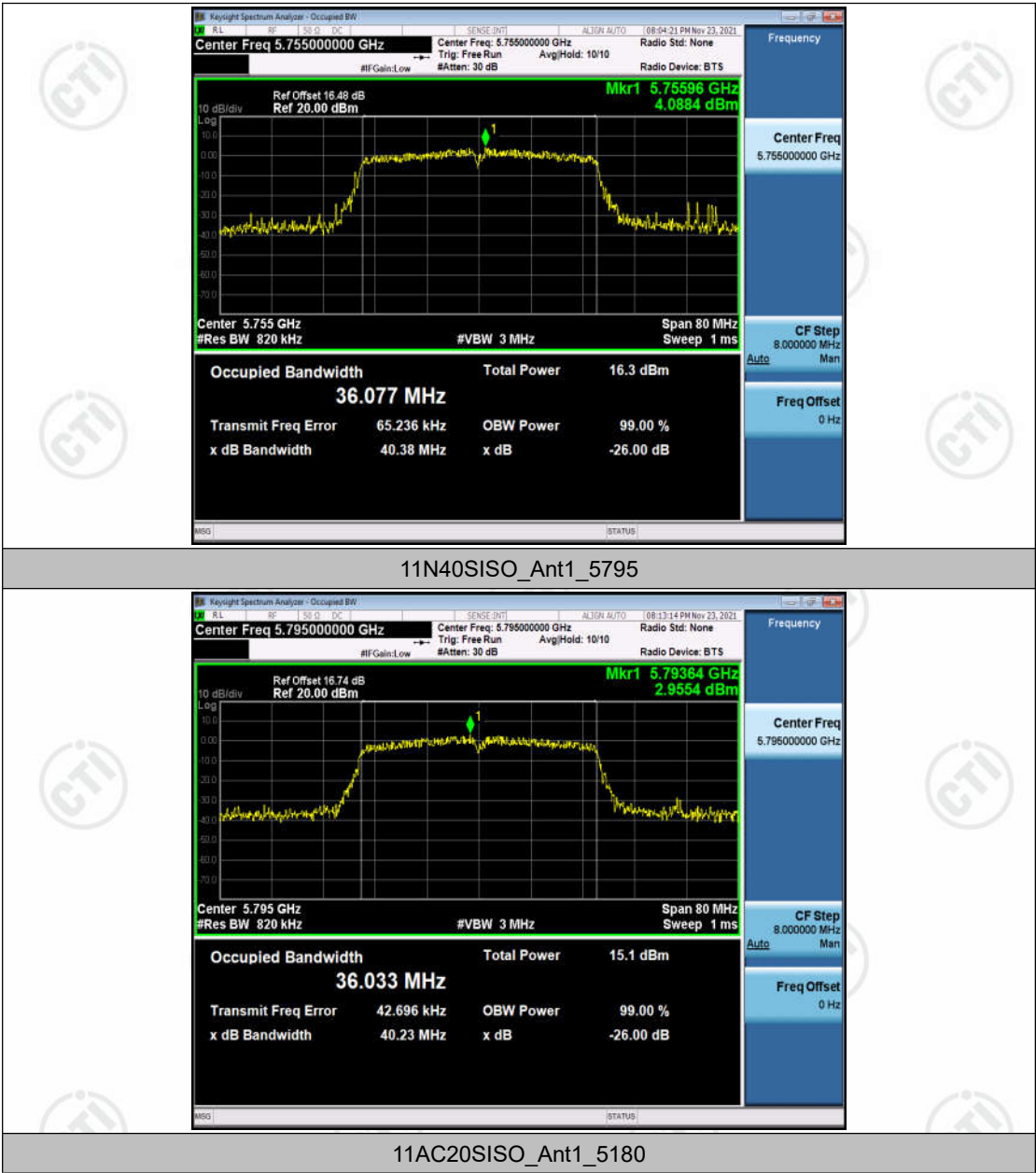


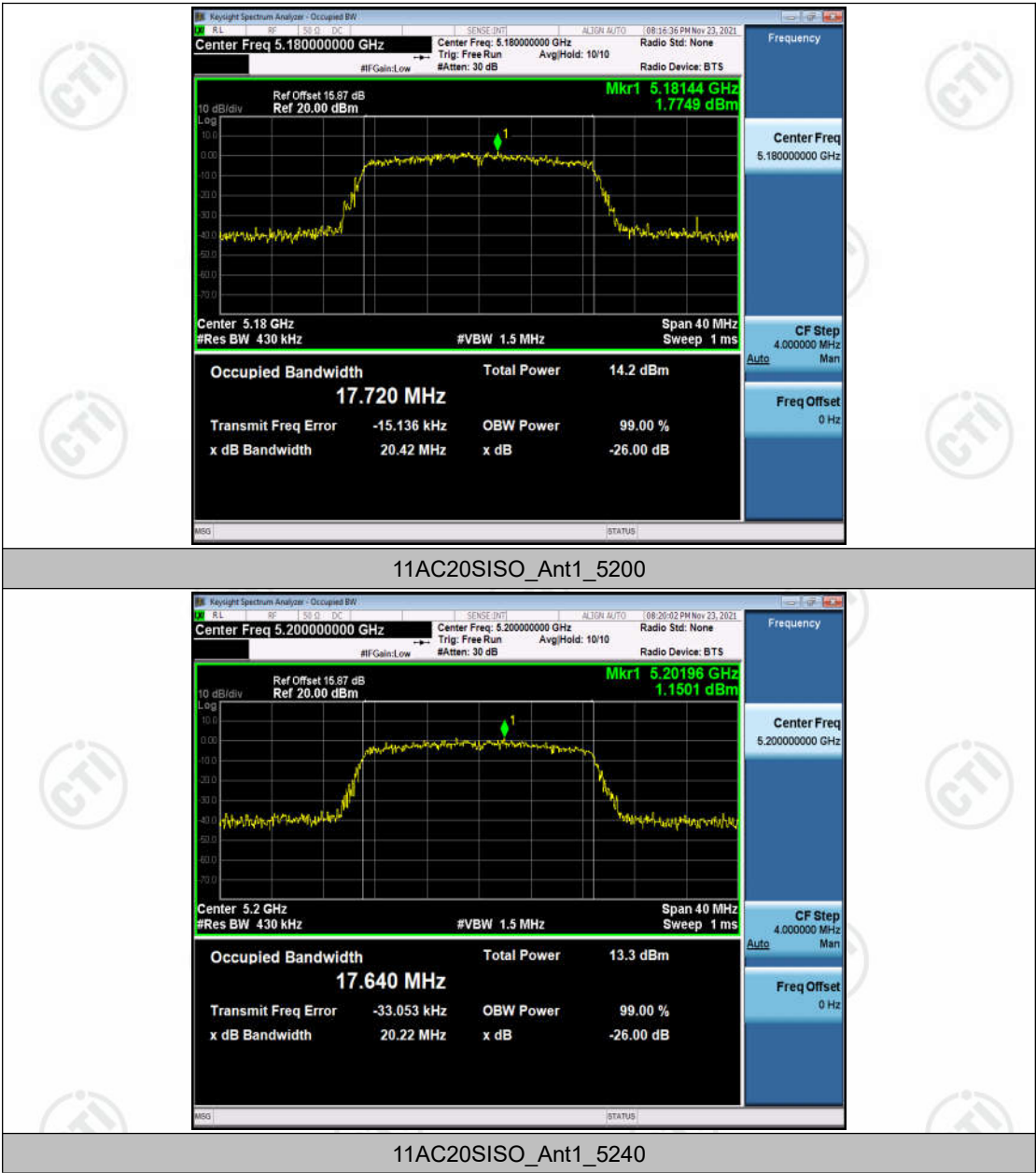


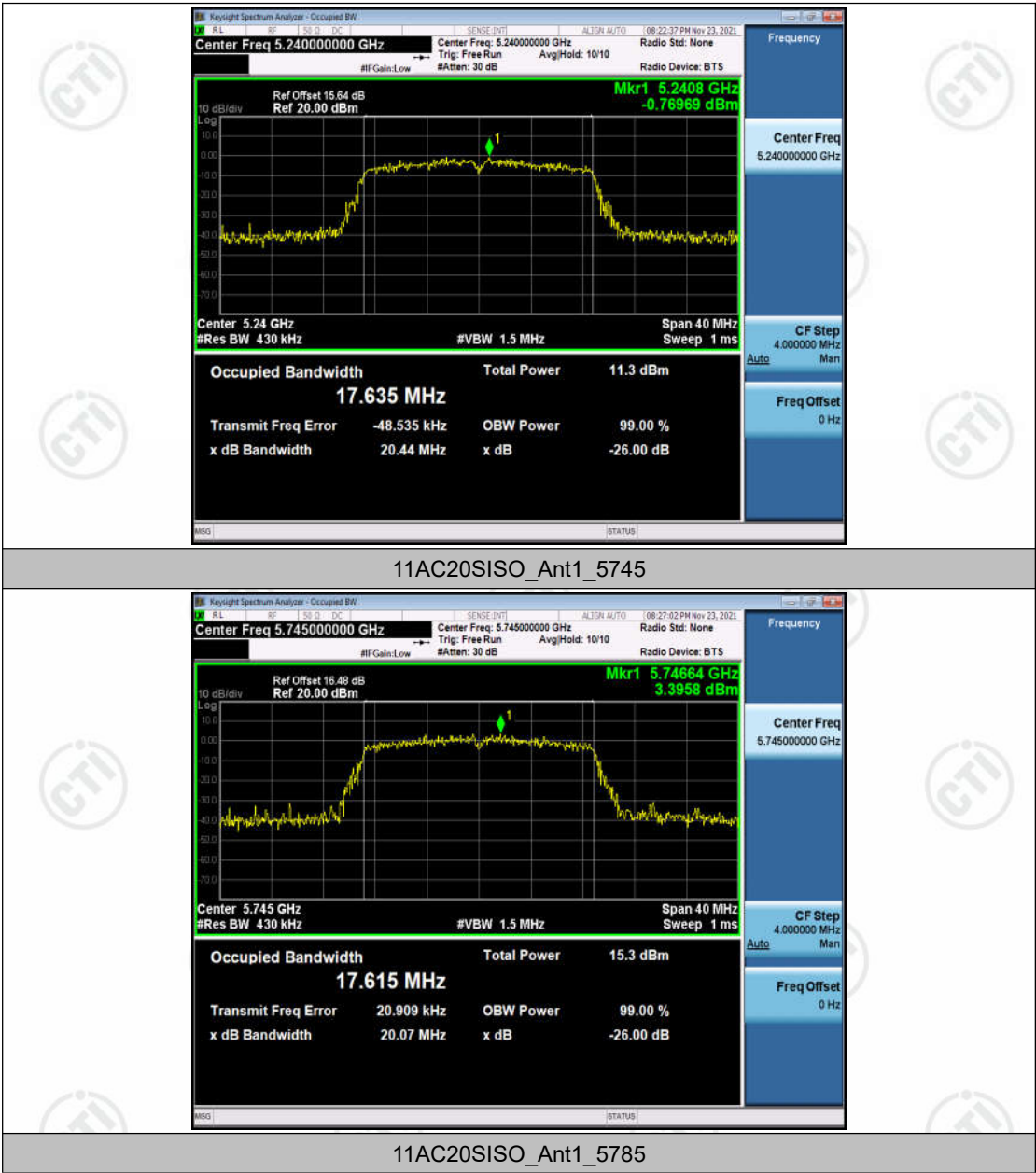


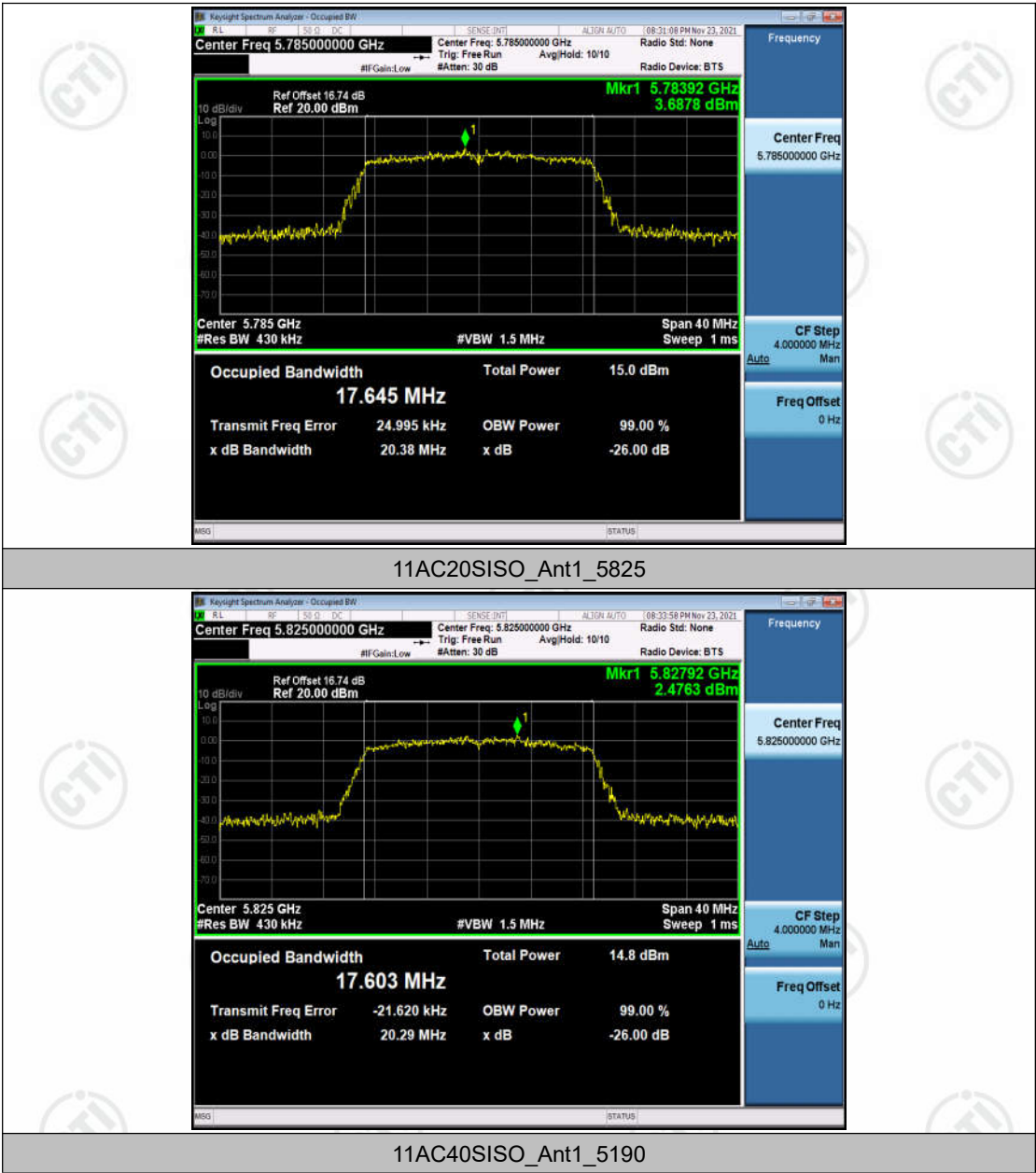


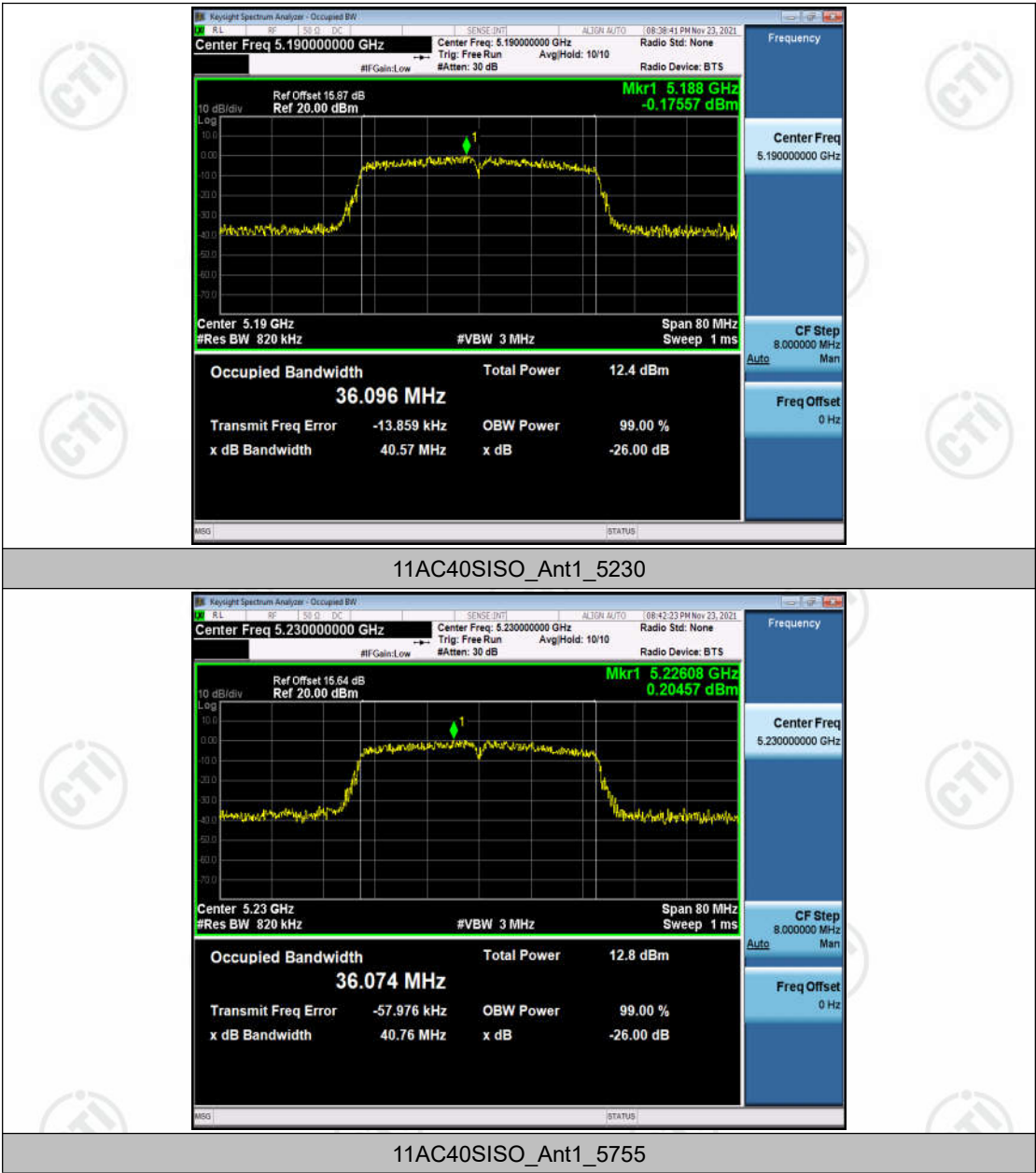


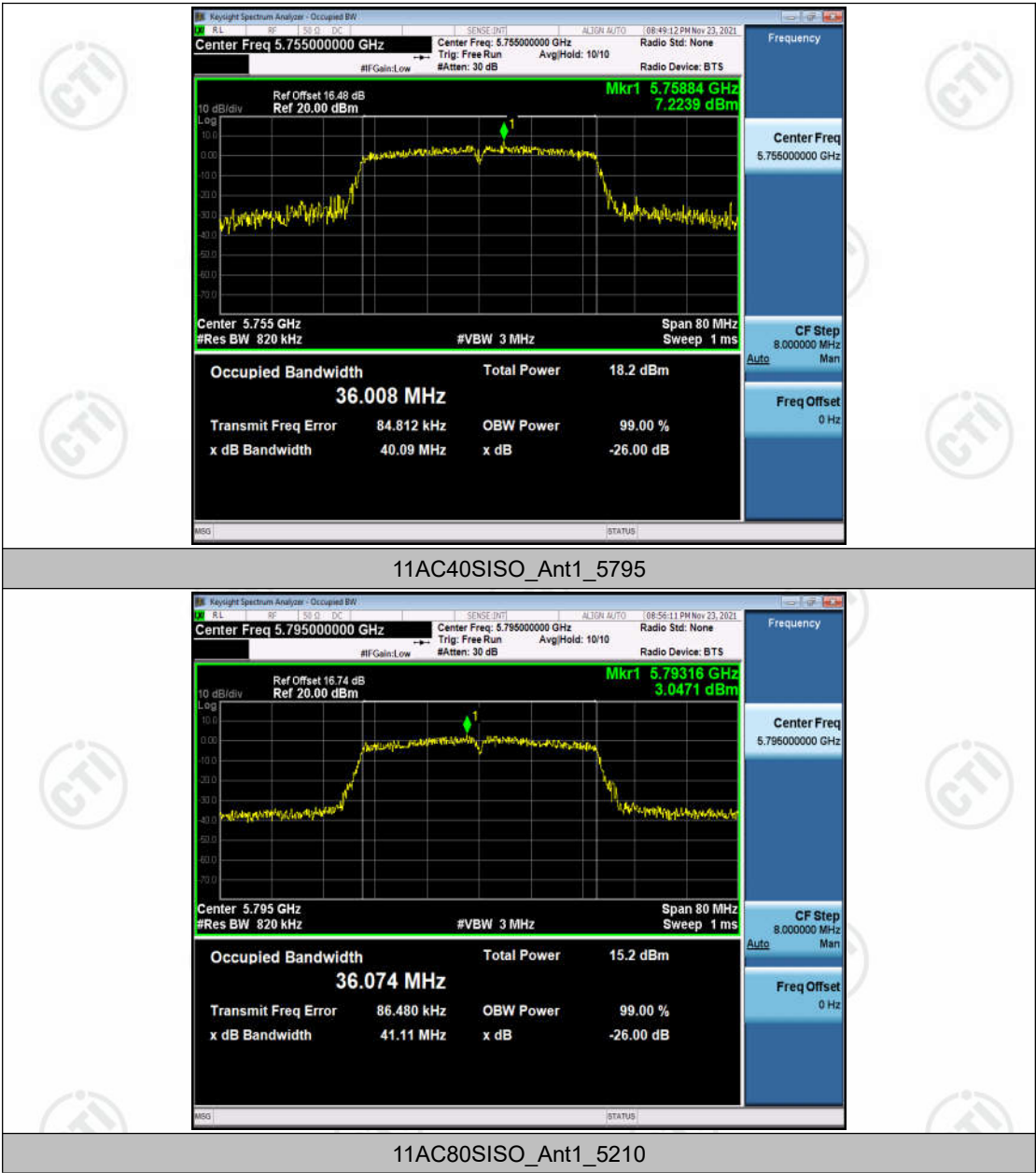


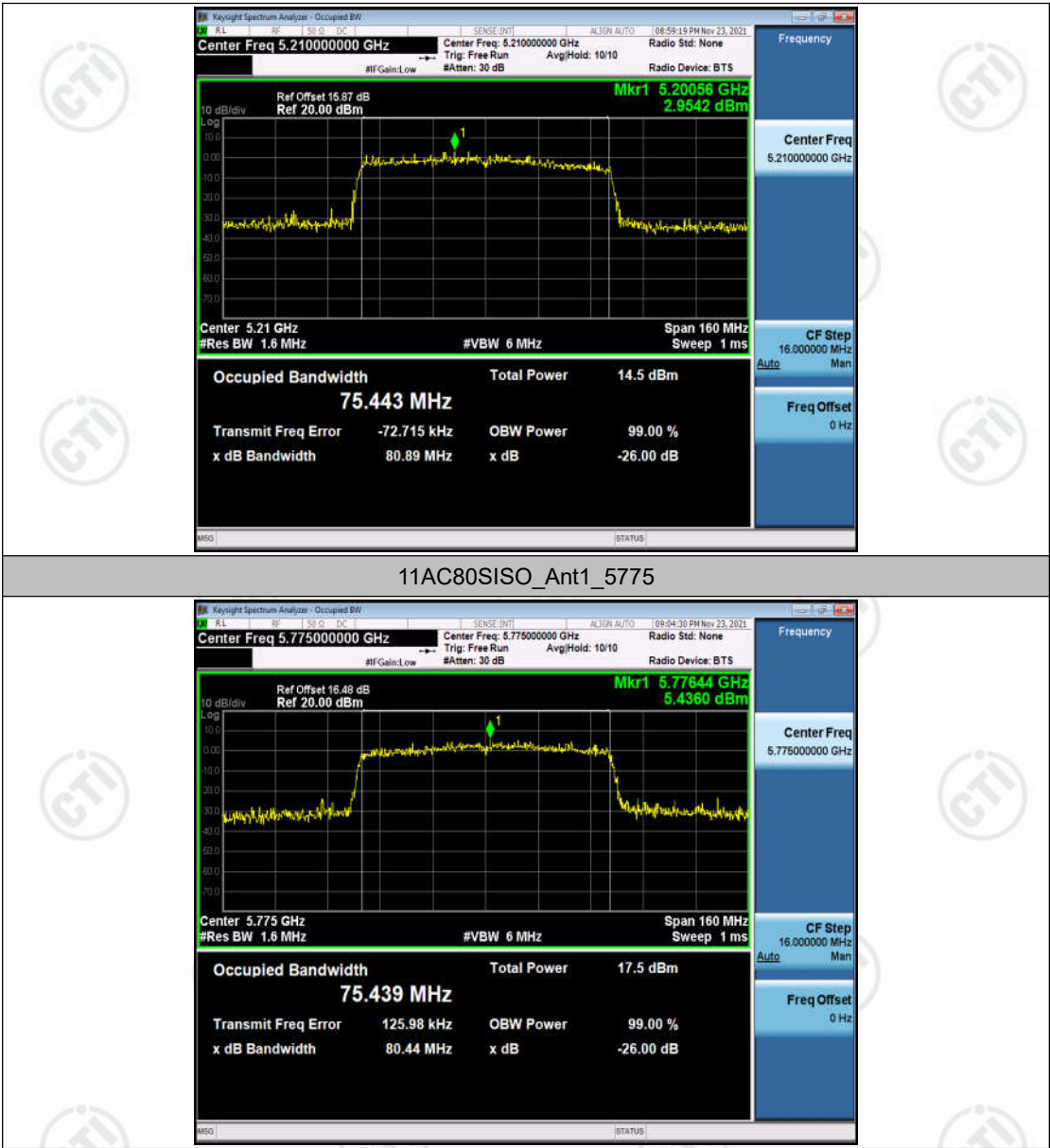










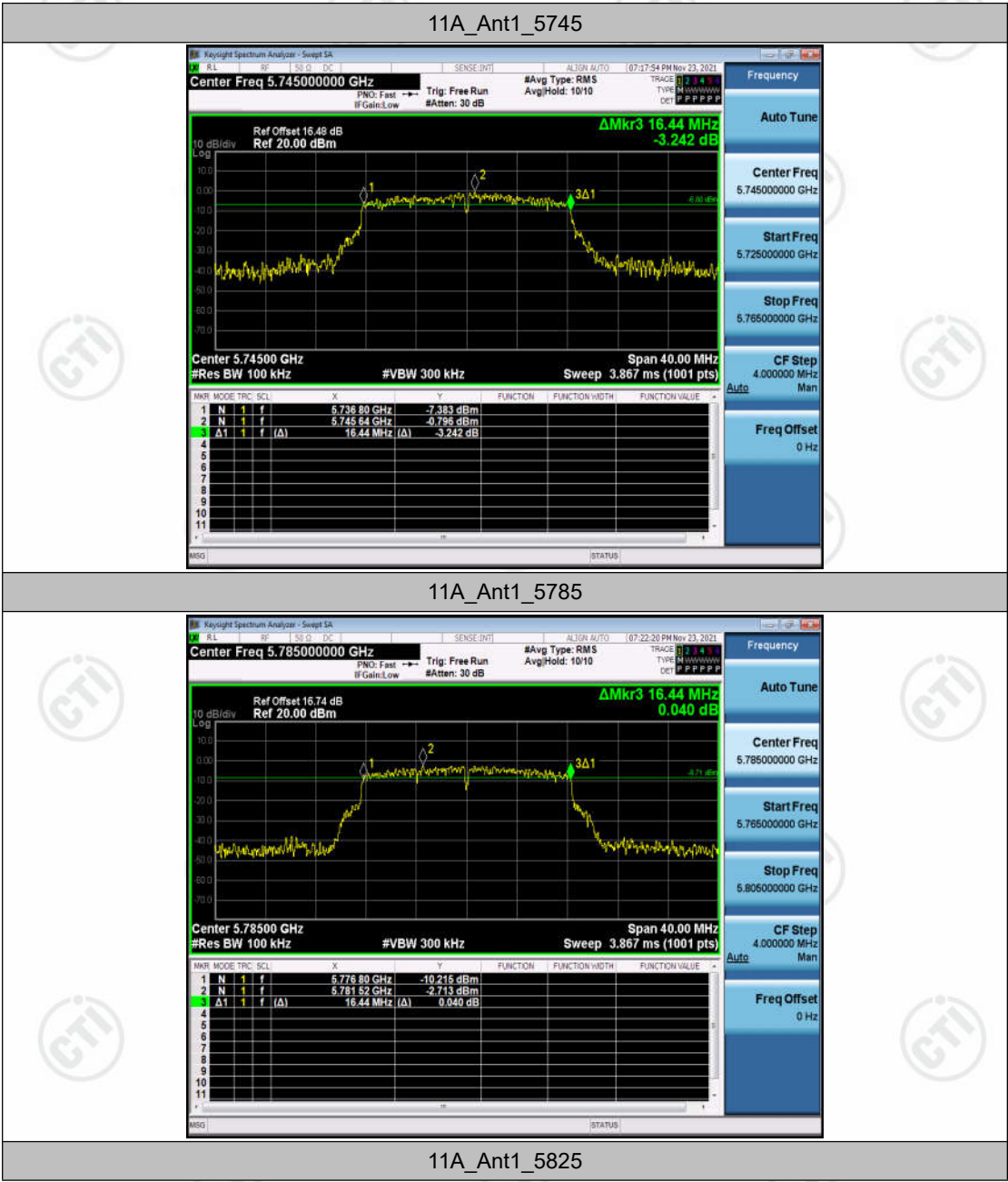


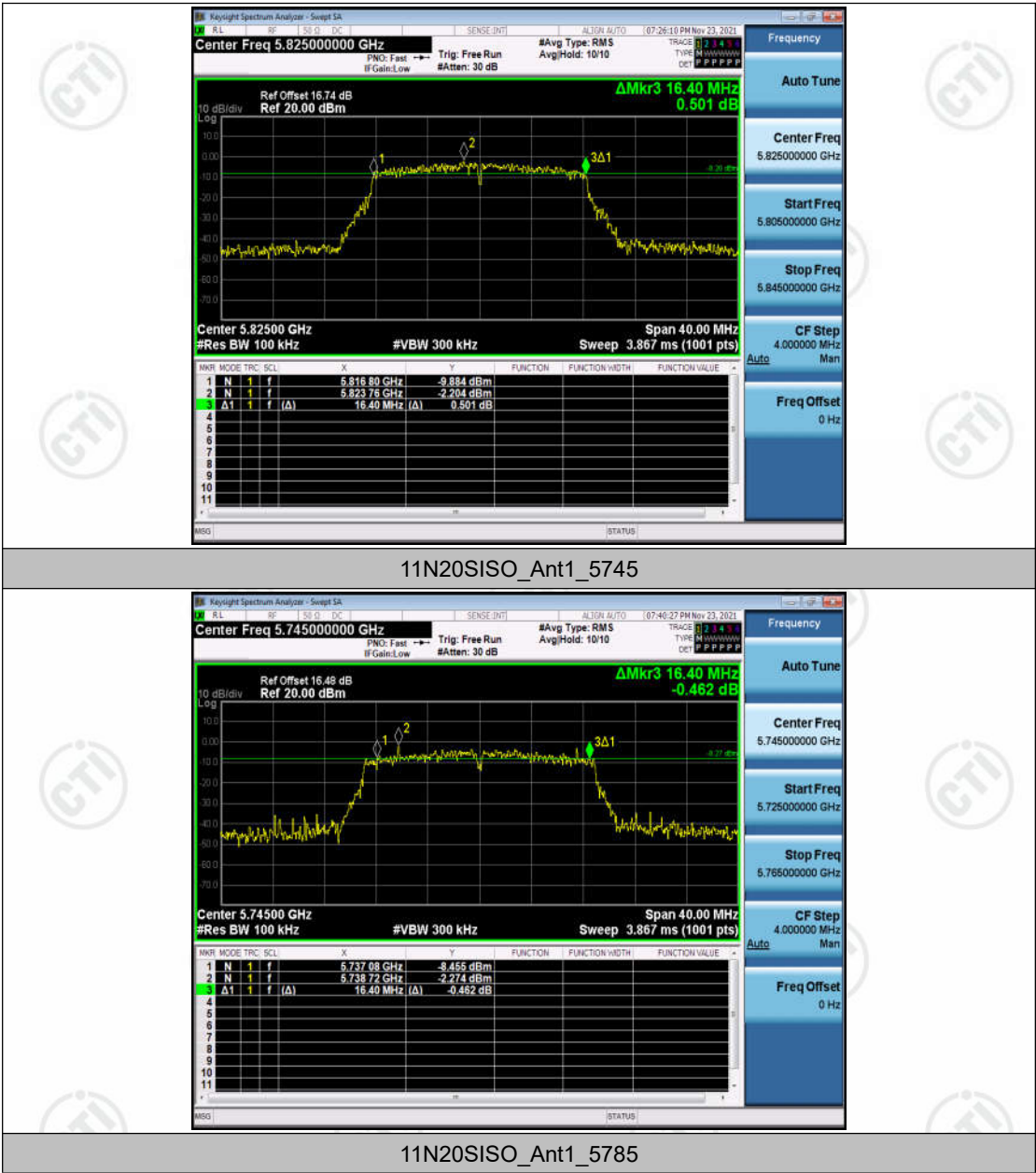
Appendix A3: Min emission bandwidth

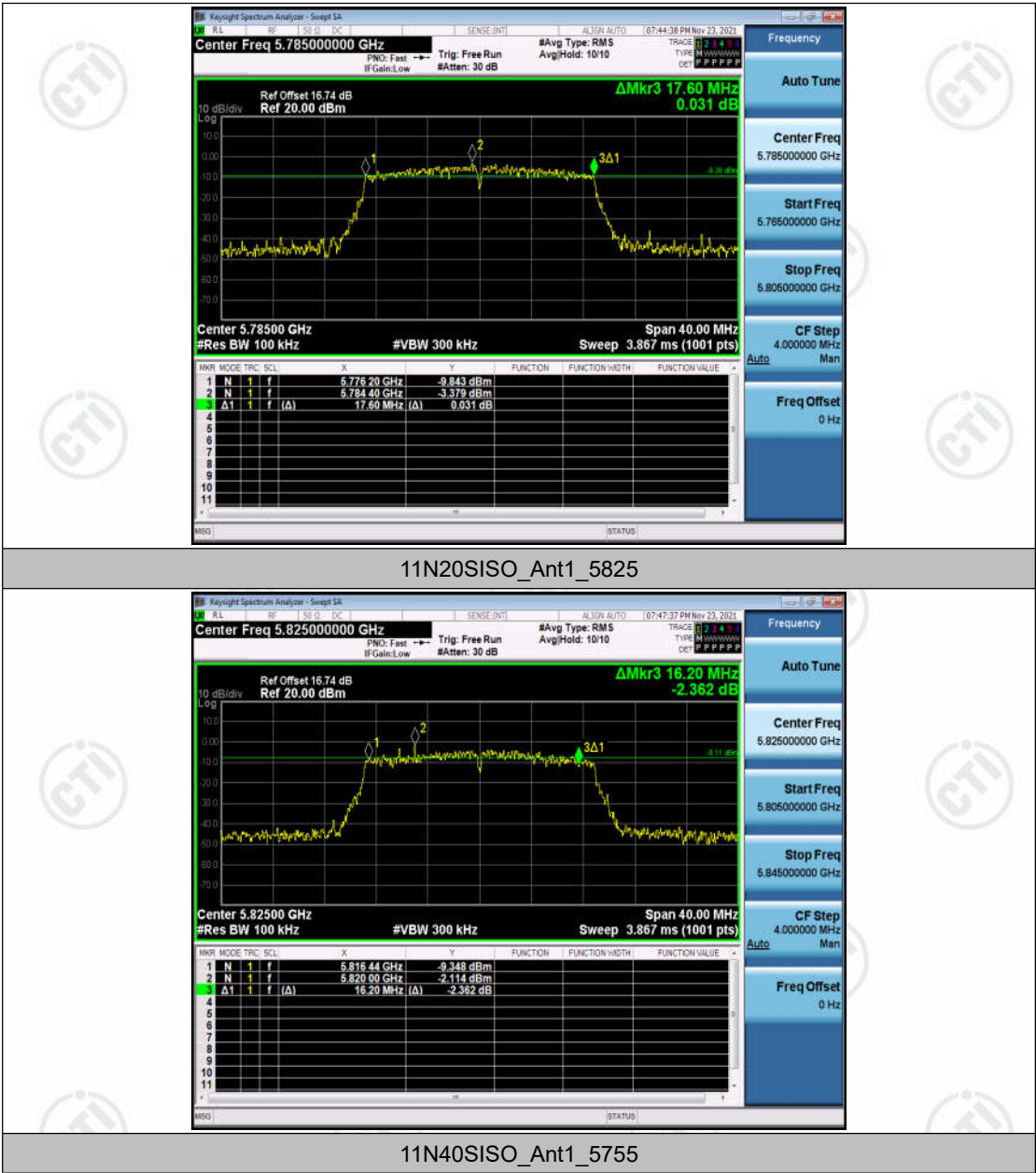
Test Result

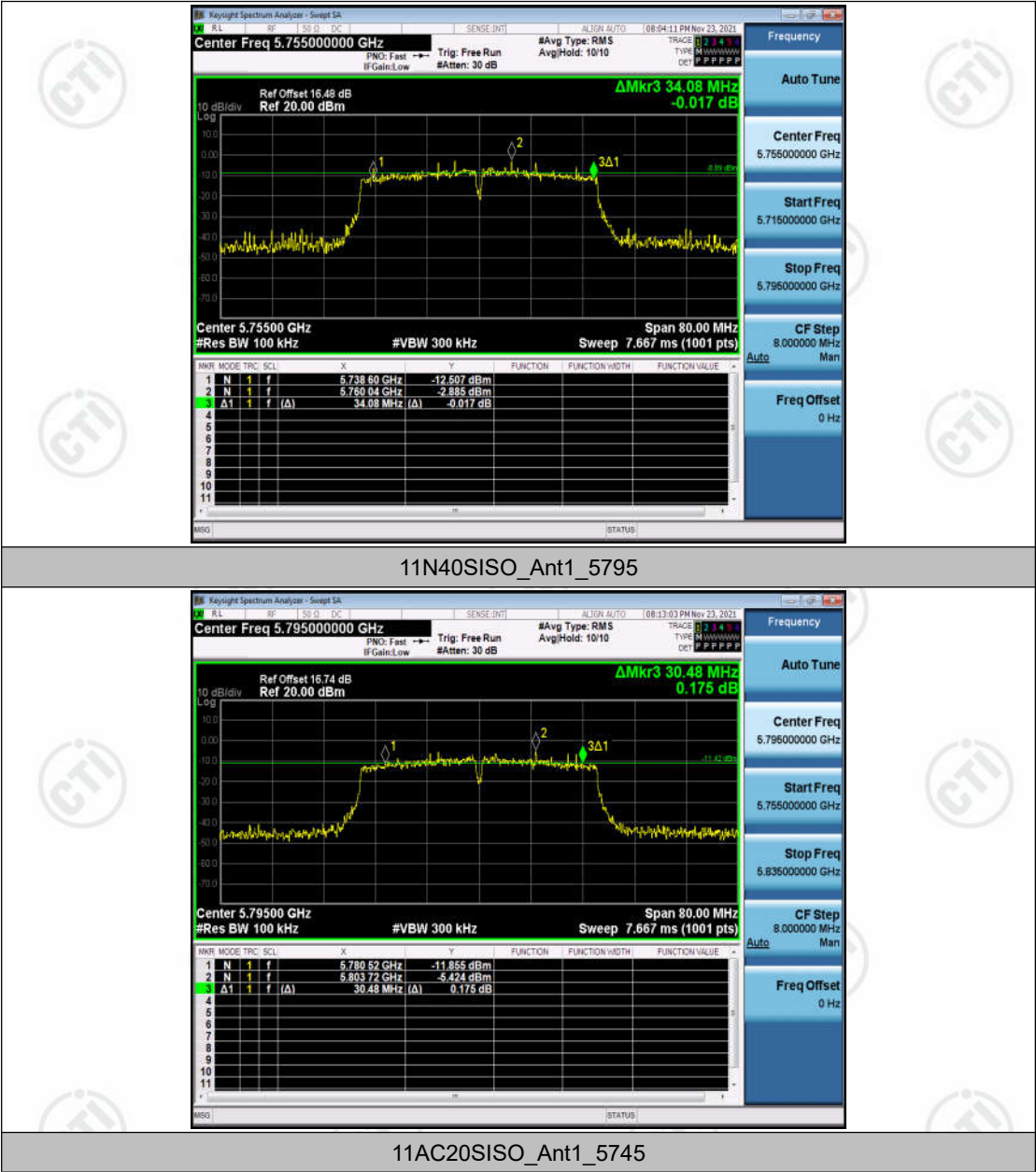
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.440	5736.800	5753.240	0.5	PASS
		5785	16.440	5776.800	5793.240	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SI SO	Ant1	5745	16.400	5737.080	5753.480	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	16.200	5816.440	5832.640	0.5	PASS
11N40SI SO	Ant1	5755	34.080	5738.600	5772.680	0.5	PASS
		5795	30.480	5780.520	5811.000	0.5	PASS
11AC20S ISO	Ant1	5745	17.400	5736.200	5753.600	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.360	5816.440	5833.800	0.5	PASS
11AC40S ISO	Ant1	5755	31.520	5741.080	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS
11AC80S ISO	Ant1	5775	70.400	5741.080	5811.480	0.5	PASS

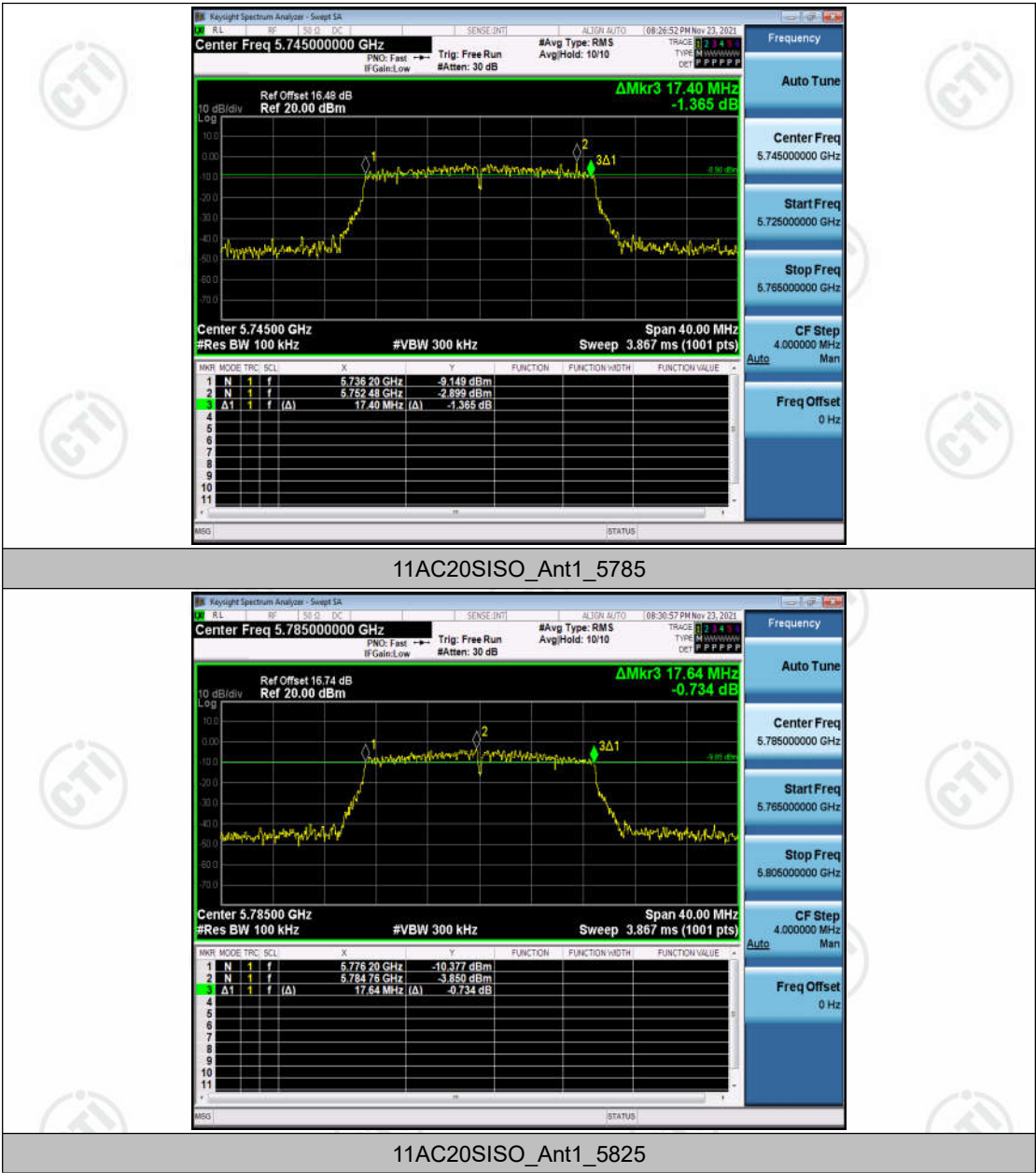
Test Graphs

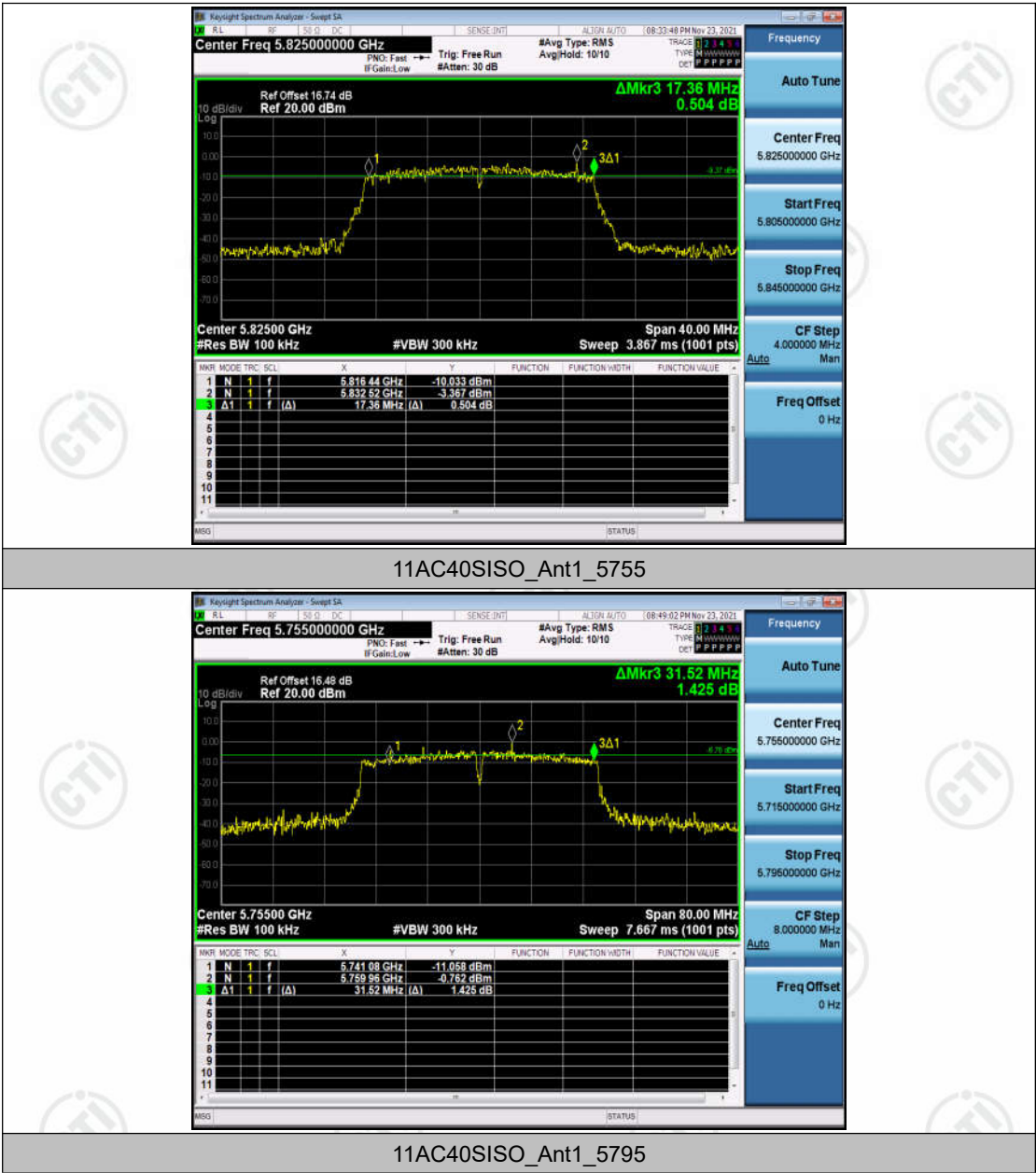


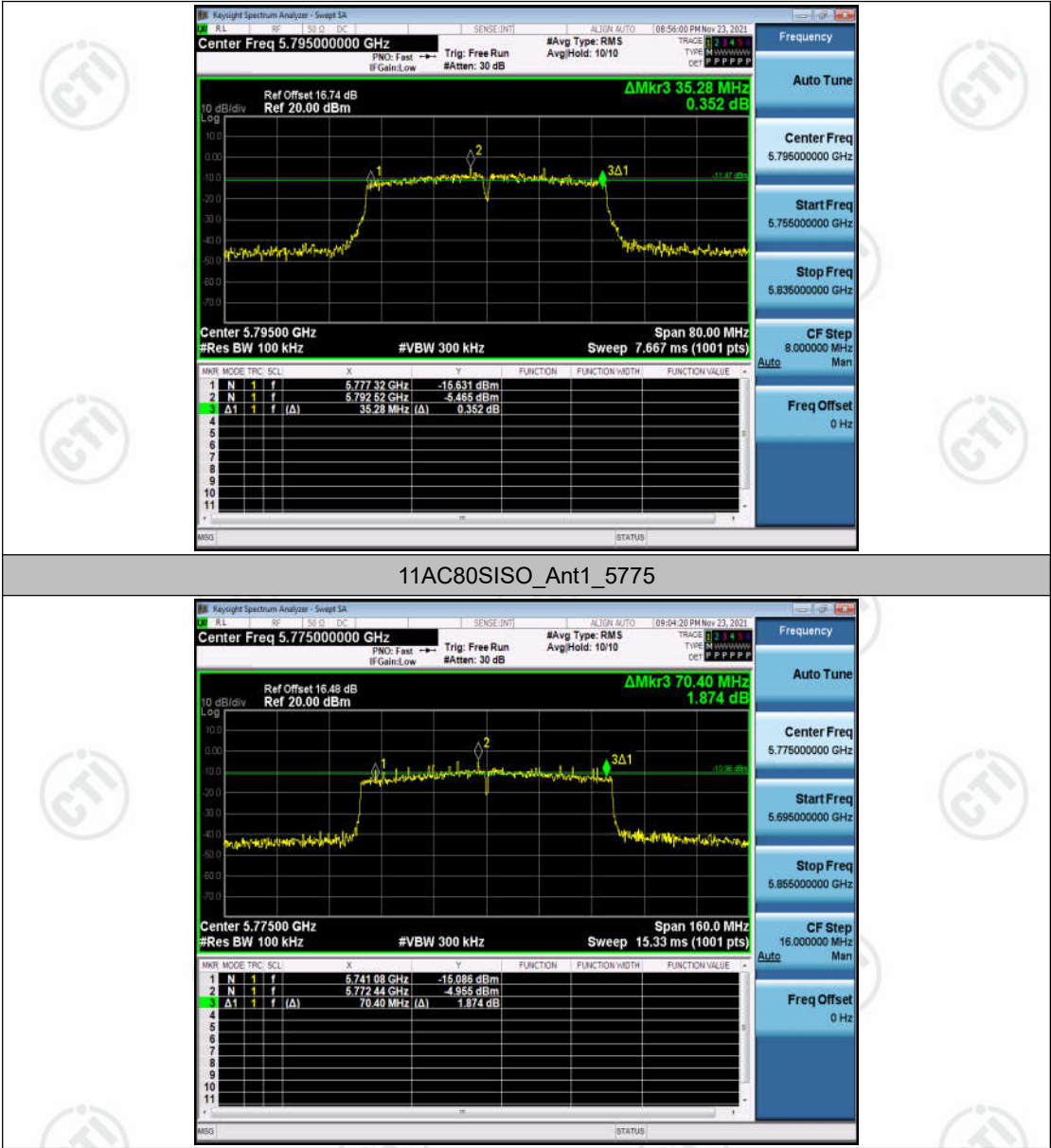












Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	11.95	<=23.98	PASS
		5200	11.28	<=23.98	PASS
		5240	11.70	<=23.98	PASS
		5745	10.78	<=30	PASS
		5785	10.83	<=30	PASS
		5825	10.95	<=30	PASS
11N20SISO	Ant1	5180	9.83	<=23.98	PASS
		5200	9.04	<=23.98	PASS
		5240	9.73	<=23.98	PASS
		5745	9.70	<=30	PASS
		5785	9.80	<=30	PASS
		5825	9.05	<=30	PASS
11N40SISO	Ant1	5190	9.44	<=23.98	PASS
		5230	9.48	<=23.98	PASS
		5755	9.03	<=30	PASS
		5795	9.98	<=30	PASS
11AC20SISO	Ant1	5180	9.85	<=23.98	PASS
		5200	8.92	<=23.98	PASS
		5240	9.77	<=23.98	PASS
		5745	9.78	<=30	PASS
		5785	9.76	<=30	PASS
		5825	8.98	<=30	PASS
11AC40SISO	Ant1	5190	9.44	<=23.98	PASS
		5230	9.42	<=23.98	PASS
		5755	8.79	<=30	PASS
		5795	9.94	<=30	PASS
11AC80SISO	Ant1	5210	8.50	<=23.98	PASS
		5775	9.06	<=30	PASS

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

Test Graphs

