

APPENDIX1

1.1 APPENDIX A1: EMISSION BANDWIDTH

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.120	5169.640	5191.760	---	PASS
		5200	21.440	5189.640	5211.080	---	PASS
		5240	20.360	5229.840	5250.200	---	PASS
		5260	20.240	5249.920	5270.160	---	PASS
		5280	20.200	5269.920	5290.120	---	PASS
		5320	20.120	5309.920	5330.040	---	PASS
		5500	20.280	5489.880	5510.160	---	PASS
		5580	21.360	5569.680	5591.040	---	PASS
		5700	20.560	5689.880	5710.440	---	PASS
		5745	20.480	5734.840	5755.320	---	PASS
		5785	21.000	5774.480	5795.480	---	PASS
		5825	20.680	5814.680	5835.360	---	PASS
11N20SISO	Ant1	5180	20.960	5169.520	5190.480	---	PASS
		5200	22.720	5189.520	5212.240	---	PASS
		5240	20.800	5229.560	5250.360	---	PASS
		5260	20.800	5249.520	5270.320	---	PASS
		5320	21.040	5309.480	5330.520	---	PASS
		5500	20.960	5489.520	5510.480	---	PASS
		5580	22.760	5569.480	5592.240	---	PASS
		5700	20.960	5689.520	5710.480	---	PASS
		5745	20.920	5734.600	5755.520	---	PASS
		5785	21.120	5774.440	5795.560	---	PASS
		5825	20.960	5814.480	5835.440	---	PASS
11N40SISO	Ant1	5190	42.720	5169.120	5211.840	---	PASS
		5230	42.080	5209.440	5251.520	---	PASS
		5270	41.760	5249.280	5291.040	---	PASS
		5310	41.760	5289.200	5330.960	---	PASS
		5510	42.400	5489.040	5531.440	---	PASS
		5550	50.880	5529.200	5580.080	---	PASS
		5670	41.280	5649.120	5690.400	---	PASS
		5755	41.520	5733.960	5775.480	---	PASS
		5795	42.080	5773.880	5815.960	---	PASS
11AC20SISO	Ant1	5180	21.160	5169.440	5190.600	---	PASS
		5200	21.280	5189.400	5210.680	---	PASS
		5240	20.840	5229.560	5250.400	---	PASS
		5260	21.040	5249.360	5270.400	---	PASS

		5280	21.000	5269.440	5290.440	---	PASS
		5320	20.960	5309.320	5330.280	---	PASS
		5500	20.920	5489.440	5510.360	---	PASS
		5580	21.080	5569.440	5590.520	---	PASS
		5700	21.160	5689.280	5710.440	---	PASS
		5745	21.160	5734.280	5755.440	---	PASS
		5785	21.200	5774.280	5795.480	---	PASS
		5825	20.880	5814.400	5835.280	---	PASS
11AC40SISO	Ant1	5190	41.440	5169.280	5210.720	---	PASS
		5230	41.440	5209.520	5250.960	---	PASS
		5310	41.200	5289.360	5330.560	---	PASS
		5510	41.760	5489.280	5531.040	---	PASS
		5550	44.240	5529.280	5573.520	---	PASS
		5670	41.280	5649.360	5690.640	---	PASS
		5755	41.200	5734.440	5775.640	---	PASS
		5795	41.600	5774.280	5815.880	---	PASS
11AC80SISO	Ant1	5210	82.720	5169.360	5252.080	---	PASS
		5290	81.280	5249.360	5330.640	---	PASS
		5530	82.400	5489.360	5571.760	---	PASS
		5610	81.600	5569.200	5650.800	---	PASS
		5690	81.440	5649.040	5730.480	---	PASS
		5775	80.800	5734.360	5815.160	---	PASS

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



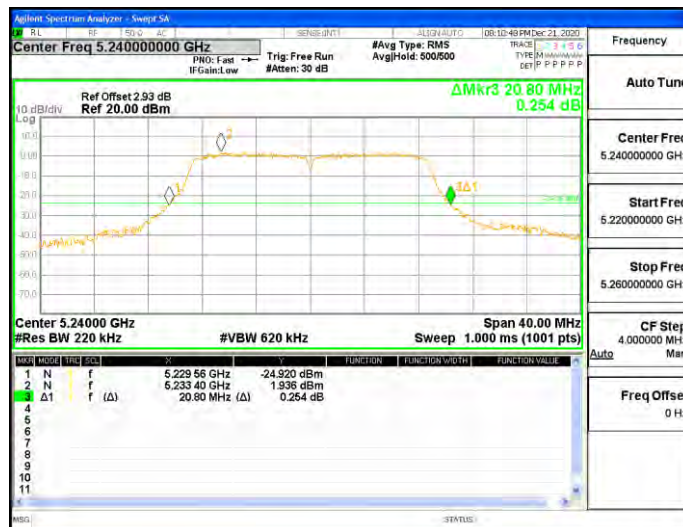
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550



11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690



11AC80SISO_Ant1_5775



1.2 APPENDIX A2: OCCUPIED CHANNEL BANDWIDTH

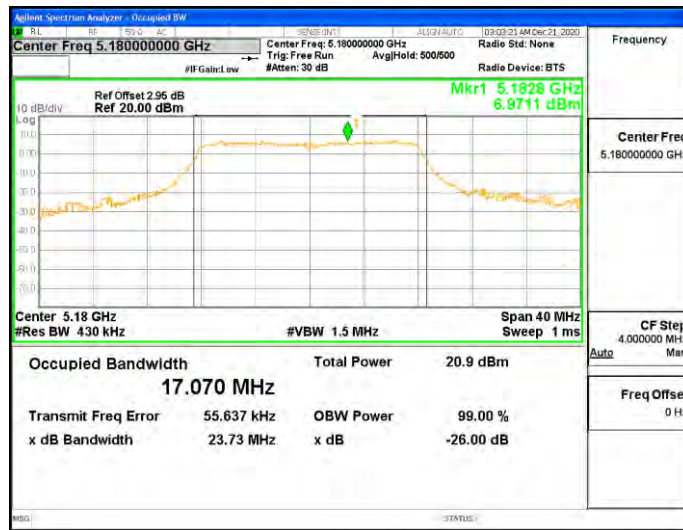
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.070	5171.521	5188.591	---	PASS
		5200	17.128	5191.466	5208.594	---	PASS
		5240	16.972	5231.539	5248.511	---	PASS
		5260	16.949	5251.551	5268.500	---	PASS
		5280	16.896	5271.576	5288.472	---	PASS
		5320	16.900	5311.543	5328.443	---	PASS
		5500	16.942	5491.577	5508.519	---	PASS
		5580	16.994	5571.530	5588.524	---	PASS
		5700	16.913	5691.568	5708.481	---	PASS
		5745	16.925	5736.590	5753.515	---	PASS
		5785	16.990	5776.505	5793.495	---	PASS
		5825	16.940	5816.475	5833.415	---	PASS
11N20SISO	Ant1	5180	17.884	5171.079	5188.963	---	PASS
		5200	18.029	5191.005	5209.034	---	PASS
		5240	17.860	5231.058	5248.918	---	PASS
		5260	17.901	5251.040	5268.941	---	PASS
		5280	17.999	5270.983	5288.982	---	PASS
		5320	17.944	5310.987	5328.931	---	PASS
		5500	17.904	5491.075	5508.979	---	PASS
		5580	17.993	5571.016	5589.009	---	PASS
		5700	17.886	5691.040	5708.926	---	PASS
		5745	17.913	5736.062	5753.975	---	PASS
		5785	17.989	5775.968	5793.957	---	PASS
		5825	17.941	5815.949	5833.890	---	PASS
11N40SISO	Ant1	5190	36.476	5171.886	5208.362	---	PASS
		5230	36.498	5211.870	5248.368	---	PASS
		5270	36.573	5251.744	5288.317	---	PASS
		5310	36.590	5291.706	5328.296	---	PASS
		5510	36.569	5491.859	5528.428	---	PASS
		5550	36.731	5531.773	5568.504	---	PASS
		5670	36.672	5651.552	5688.224	---	PASS
		5755	36.404	5736.795	5773.199	---	PASS
		5795	36.674	5776.673	5813.347	---	PASS
11AC20SISO	Ant1	5180	17.910	5171.034	5188.944	---	PASS
		5200	18.029	5190.965	5208.994	---	PASS
		5240	17.887	5231.018	5248.905	---	PASS
		5260	17.935	5250.981	5268.916	---	PASS

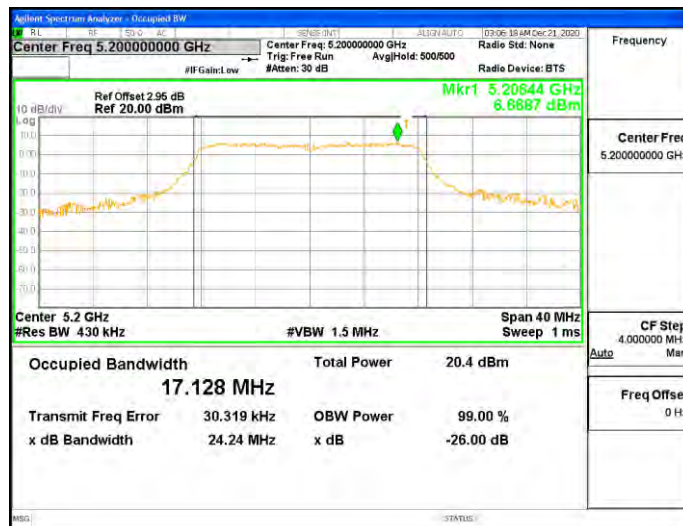
		5280	17.944	5270.975	5288.919	---	PASS
		5320	17.935	5310.952	5328.887	---	PASS
		5500	17.917	5491.042	5508.959	---	PASS
		5580	17.990	5570.977	5588.967	---	PASS
		5700	17.947	5690.968	5708.915	---	PASS
		5745	17.930	5736.035	5753.965	---	PASS
		5785	18.022	5775.928	5793.950	---	PASS
		5825	17.990	5815.884	5833.874	---	PASS
11AC40SISO	Ant1	5190	36.571	5171.888	5208.459	---	PASS
		5230	36.536	5211.910	5248.446	---	PASS
		5270	36.589	5251.788	5288.377	---	PASS
		5310	36.536	5291.773	5328.309	---	PASS
		5510	36.449	5491.911	5528.360	---	PASS
		5550	36.718	5531.810	5568.528	---	PASS
		5670	36.674	5651.645	5688.319	---	PASS
		5755	36.409	5736.815	5773.224	---	PASS
		5795	36.571	5776.766	5813.337	---	PASS
11AC80SISO	Ant1	5210	75.553	5172.419	5247.972	---	PASS
		5290	75.502	5252.174	5327.676	---	PASS
		5530	75.439	5492.471	5567.910	---	PASS
		5610	75.604	5572.175	5647.779	---	PASS
		5690	75.462	5651.962	5727.424	---	PASS
		5775	75.550	5737.119	5812.669	---	PASS

Test Graphs

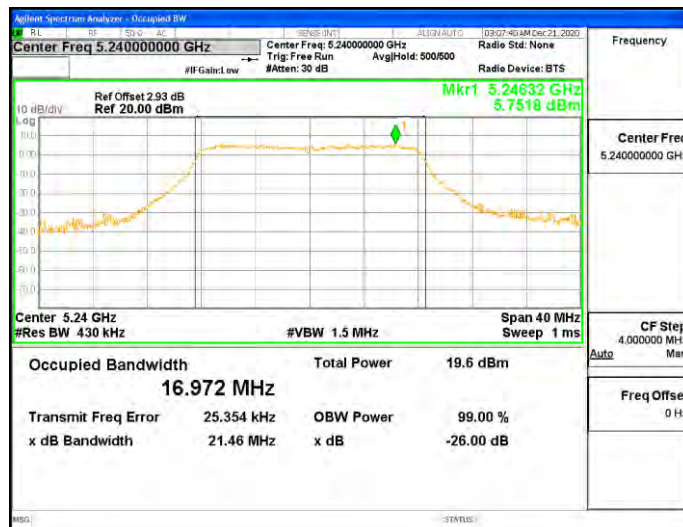
11A_Ant1_5180



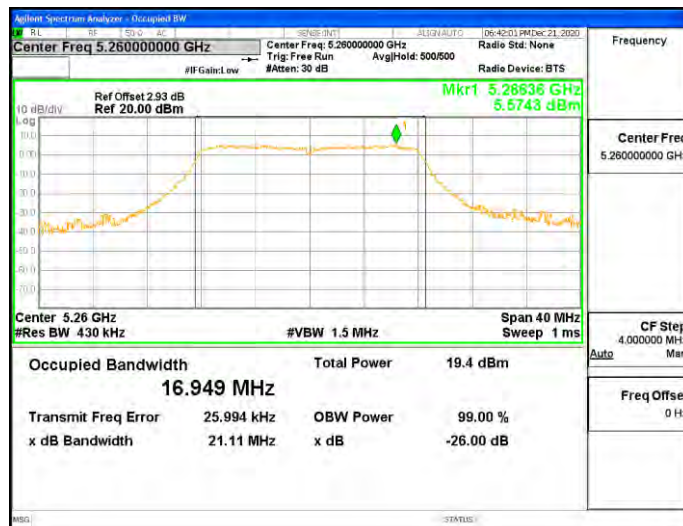
11A_Ant1_5200



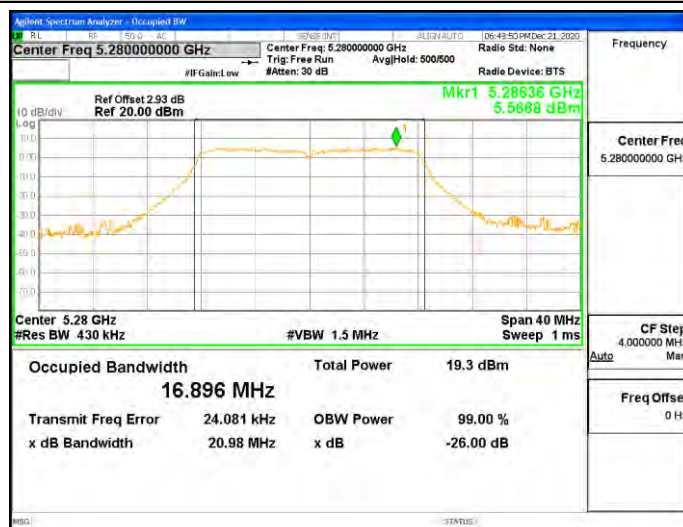
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11A_Ant1_5260



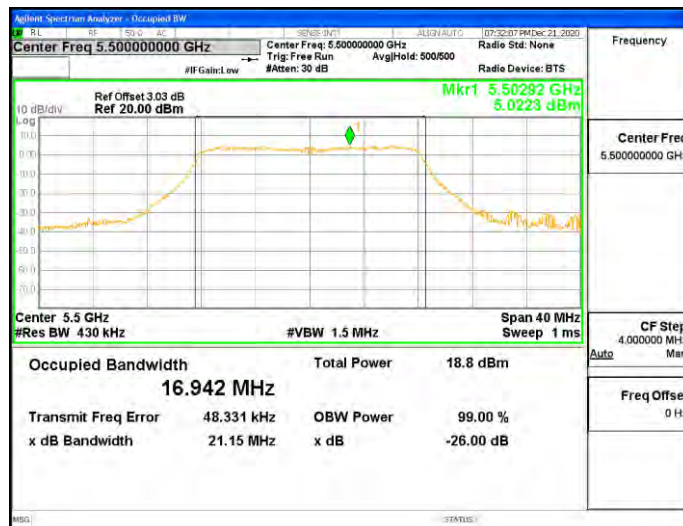
11A_Ant1_5280



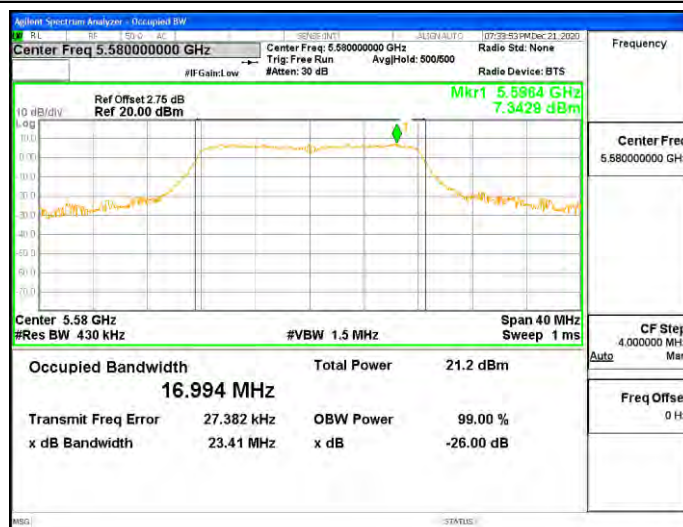
11A_Ant1_5320



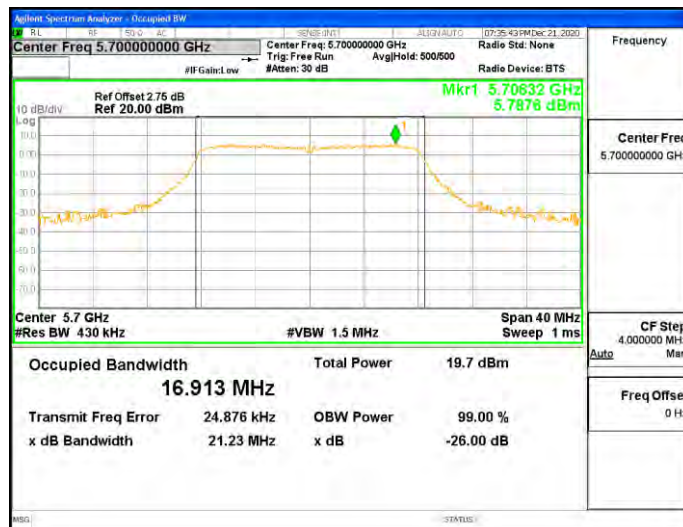
11A_Ant1_5500



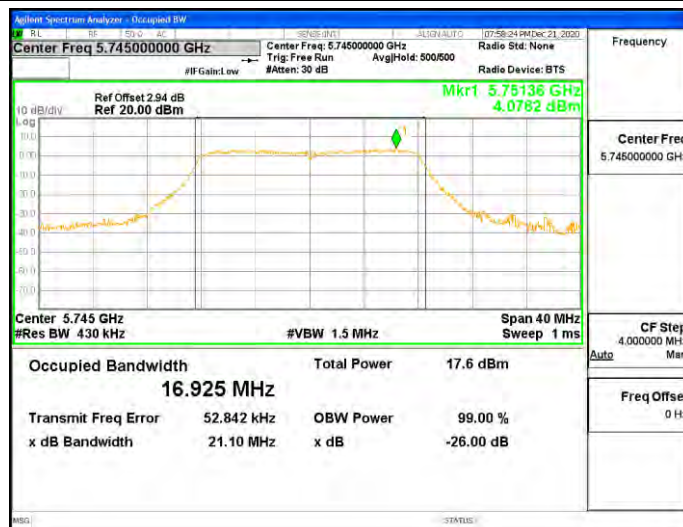
11A_Ant1_5580



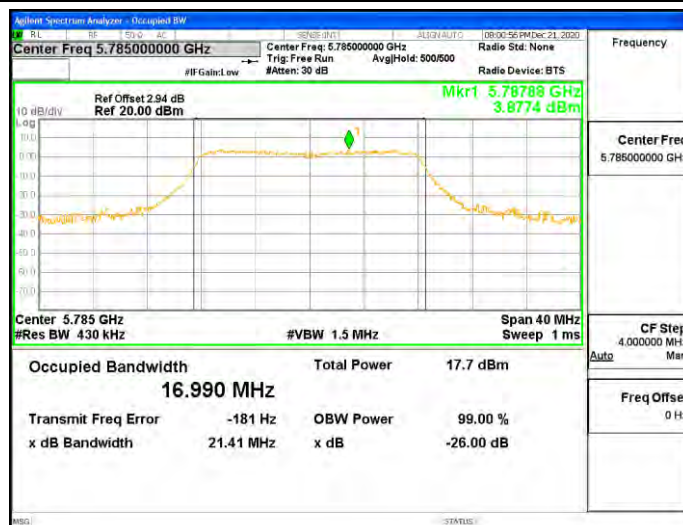
11A_Ant1_5700



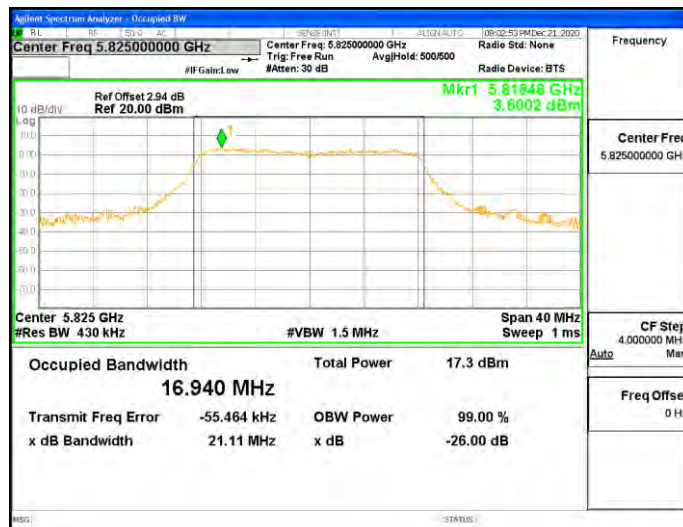
11A_Ant1_5745



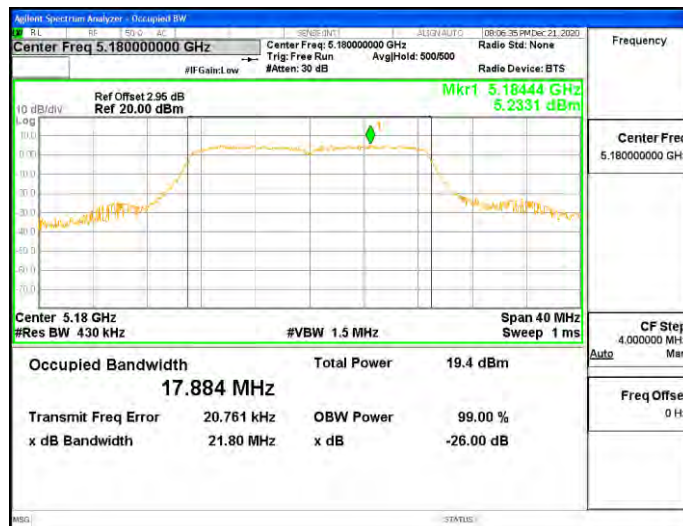
11A_Ant1_5785



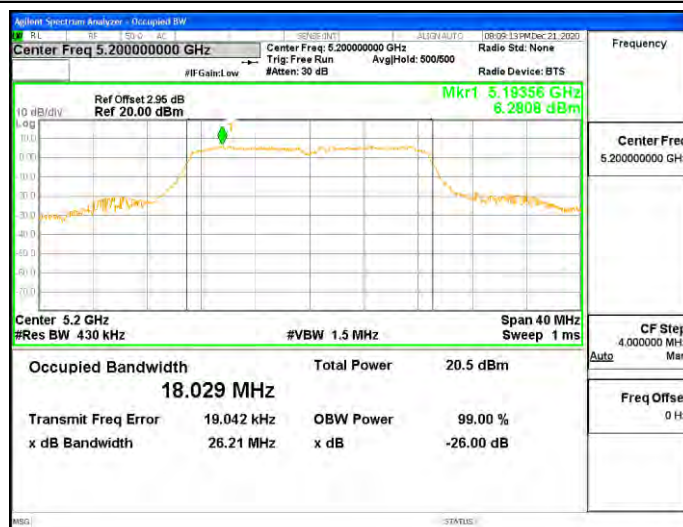
11A_Ant1_5825



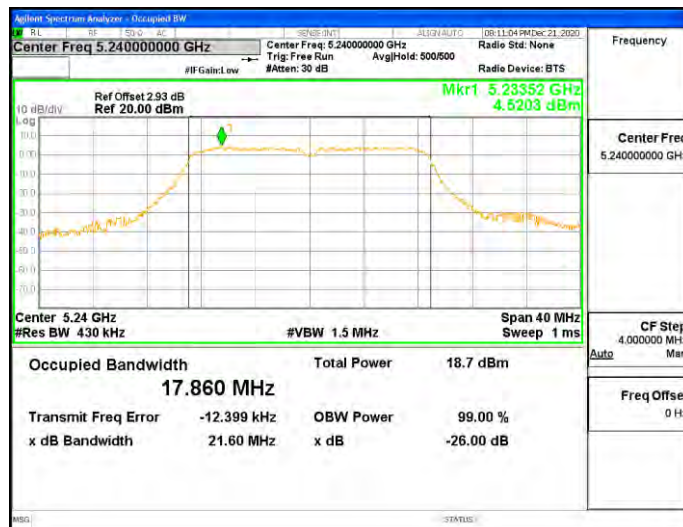
11N20SISO_Ant1_5180



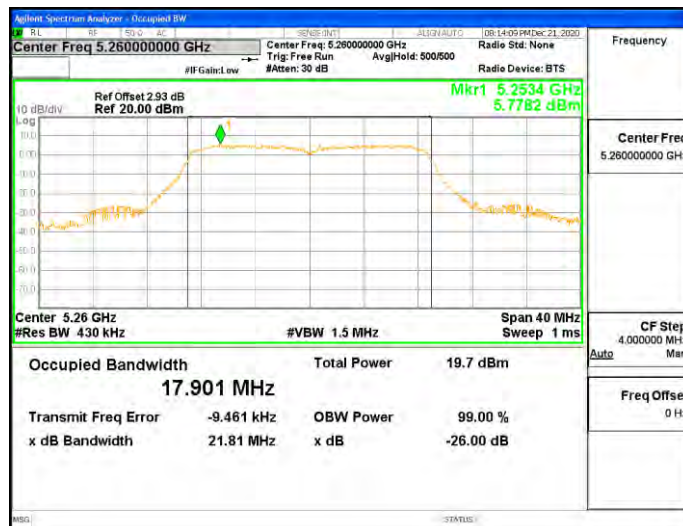
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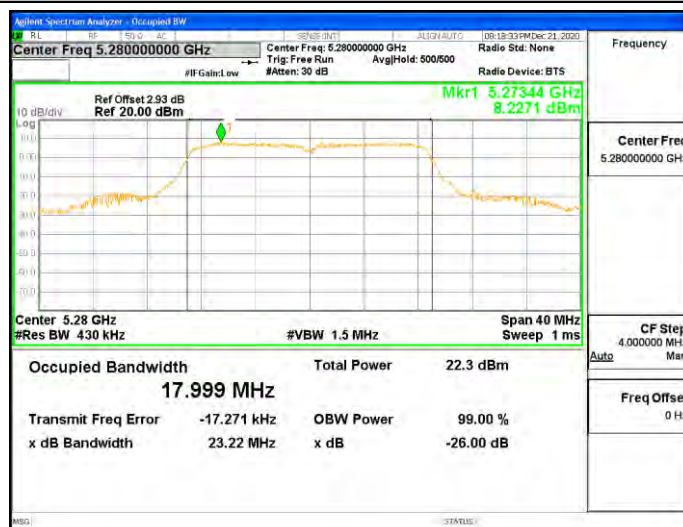
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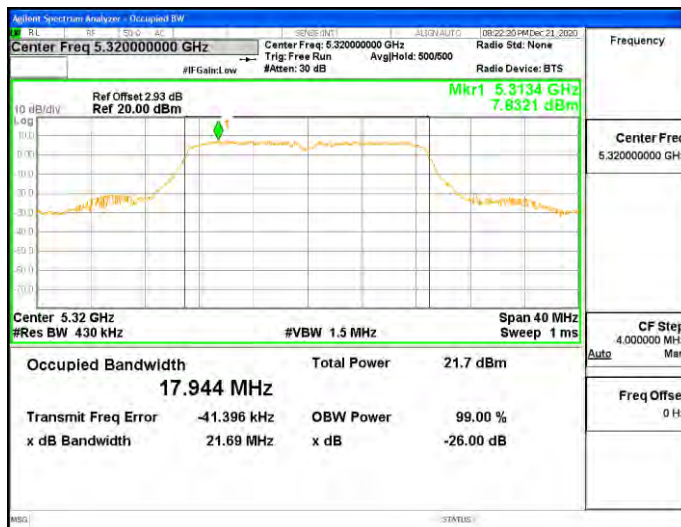
11N20SISO_Ant1_5260



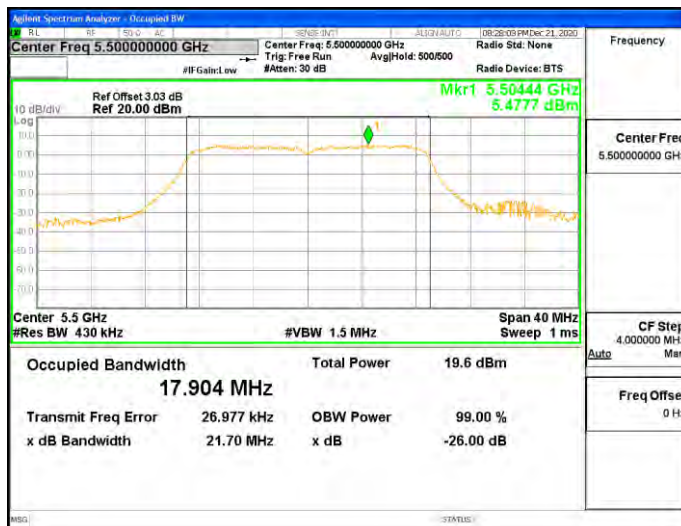
11N20SISO_Ant1_5280



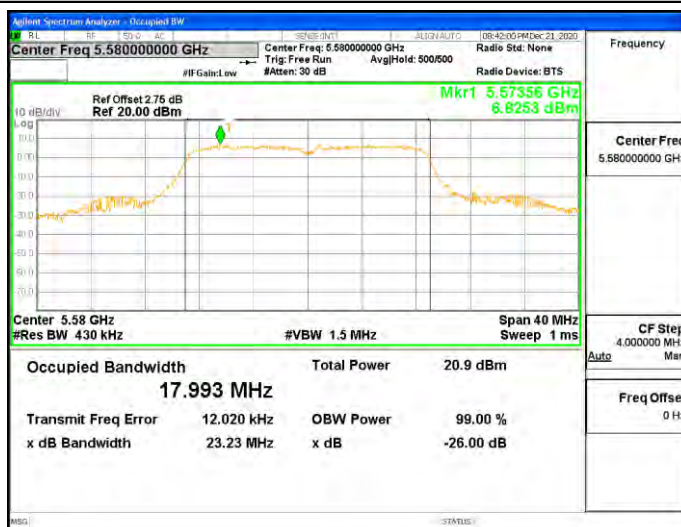
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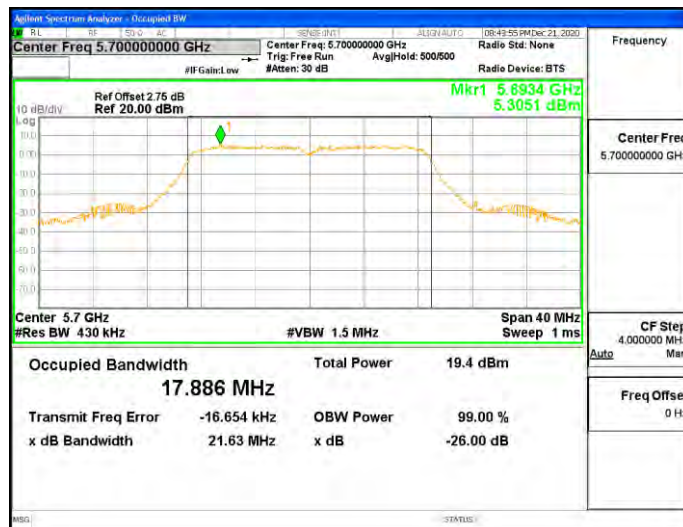
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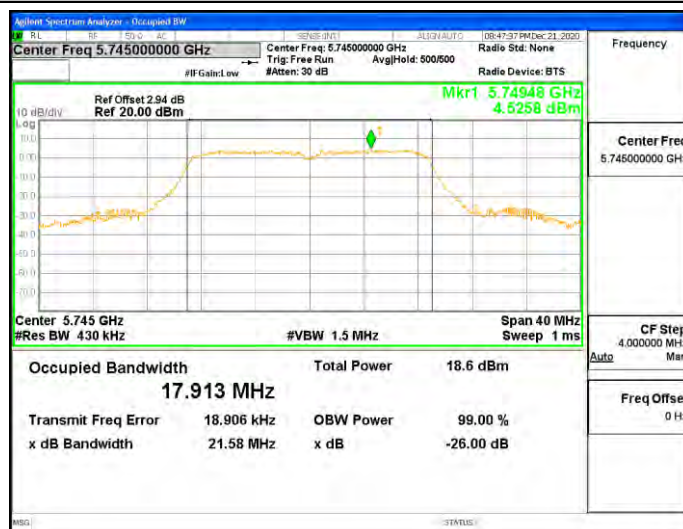
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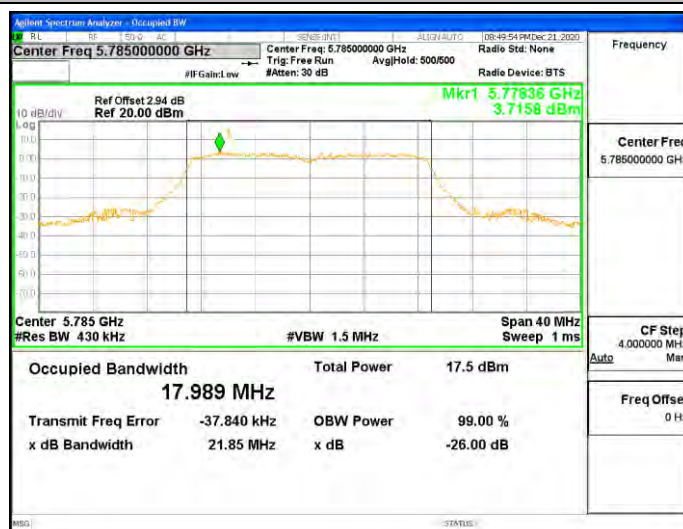
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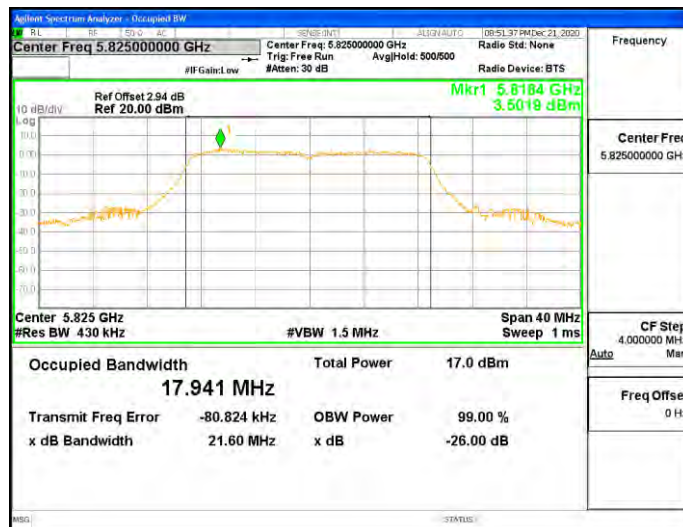
11N20SISO_Ant1_5745



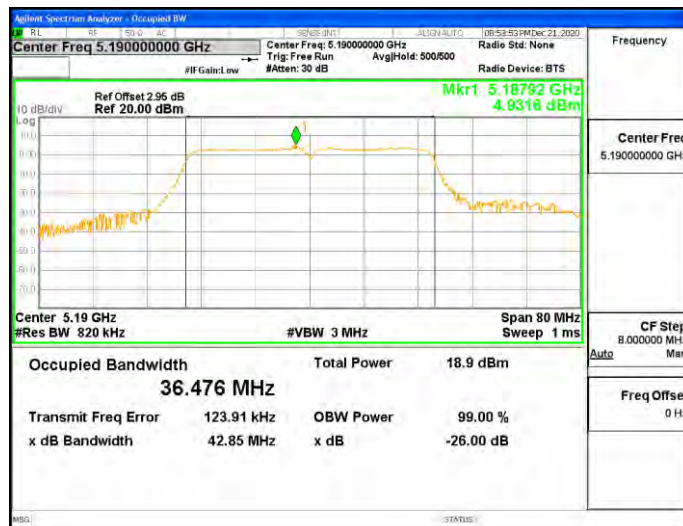
11N20SISO_Ant1_5785



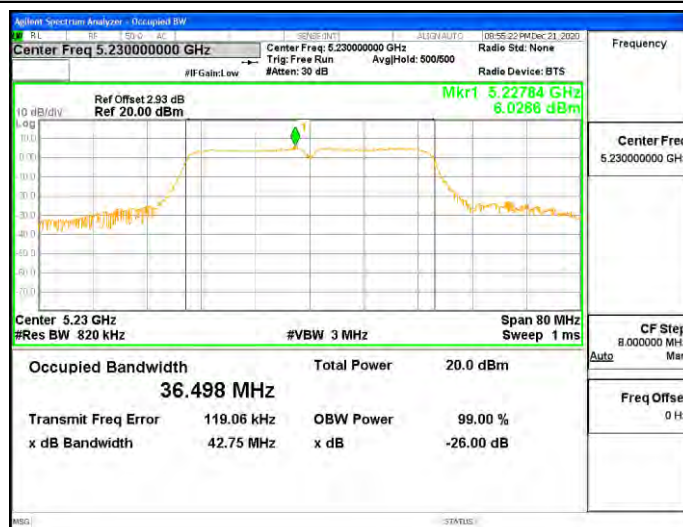
11N20SISO_Ant1_5825



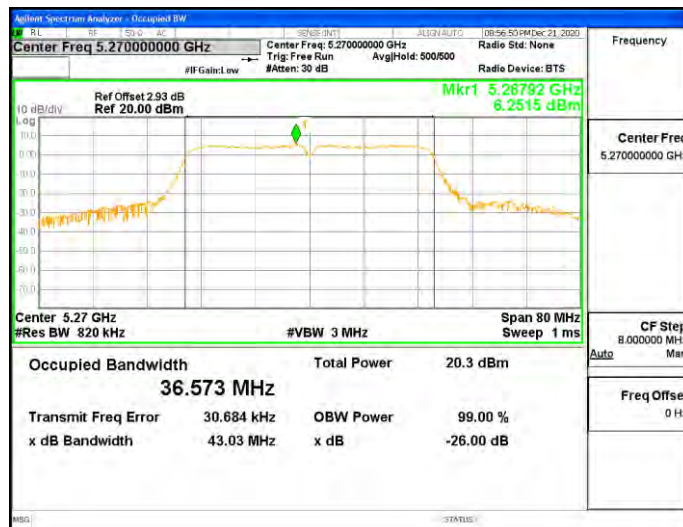
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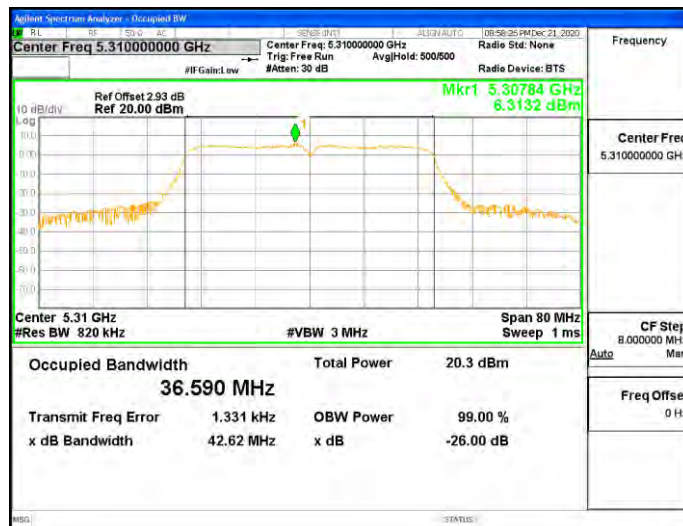
11N40SISO_Ant1_5230



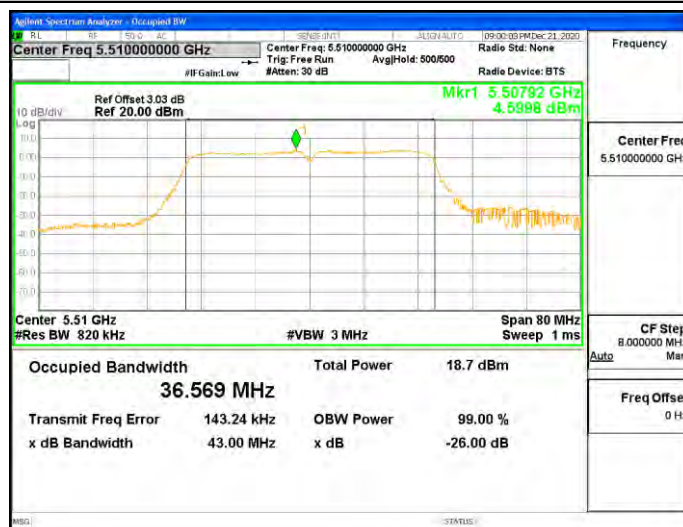
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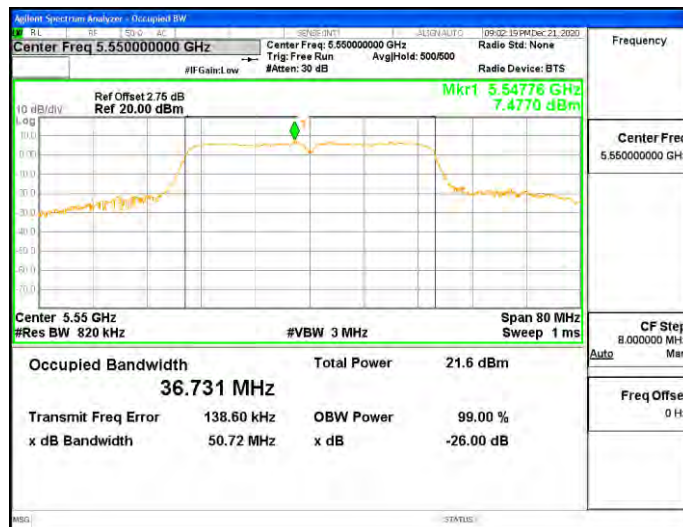
11N40SISO_Ant1_5310



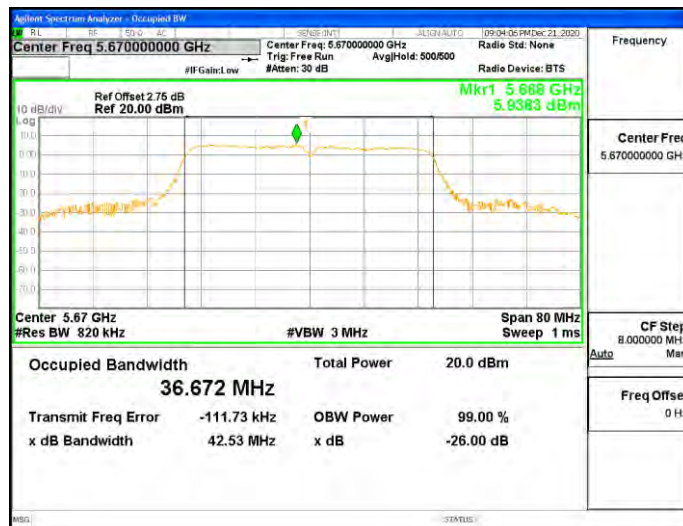
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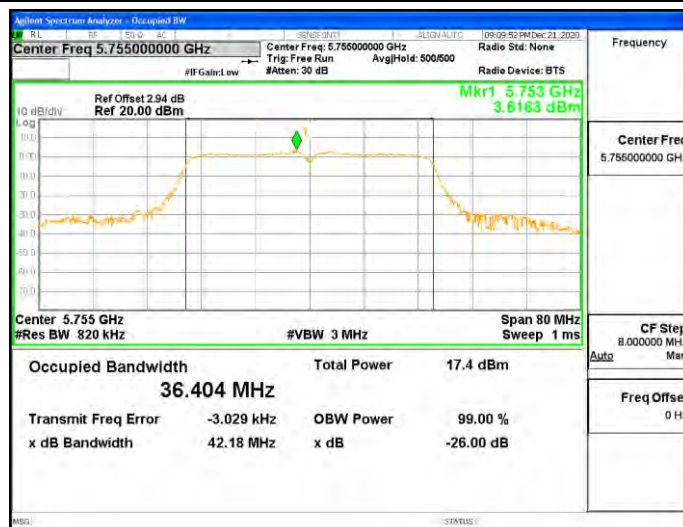
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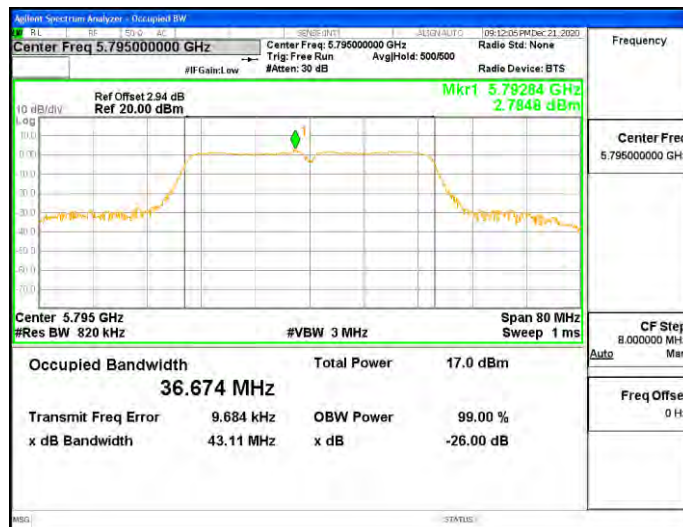
11N40SISO_Ant1_5670



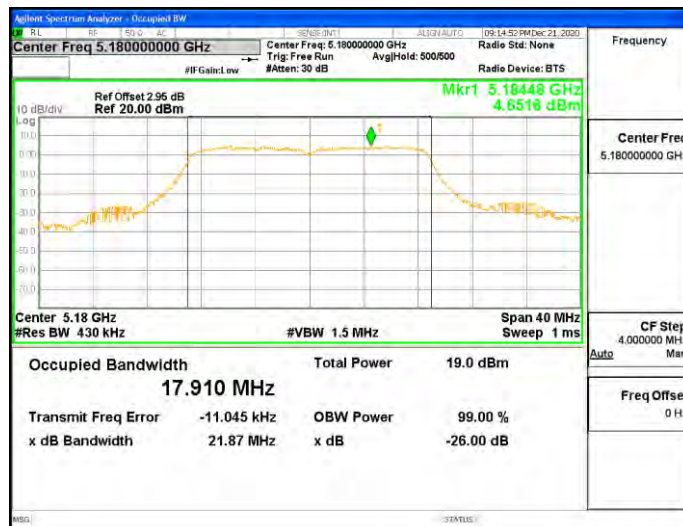
11N40SISO_Ant1_5755



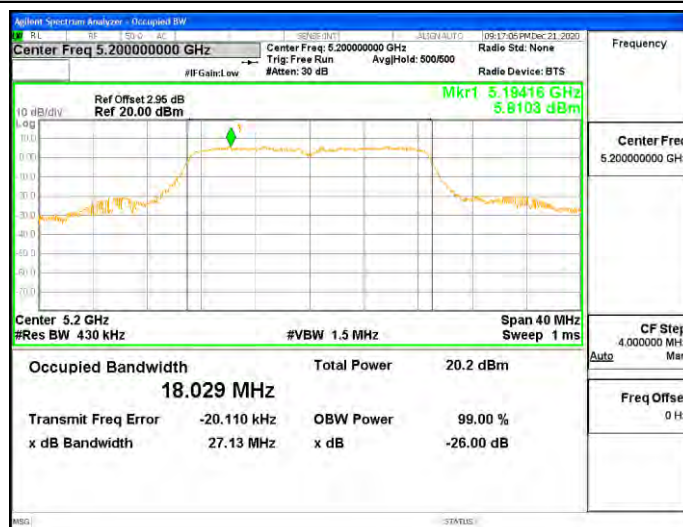
11N40SISO_Ant1_5795



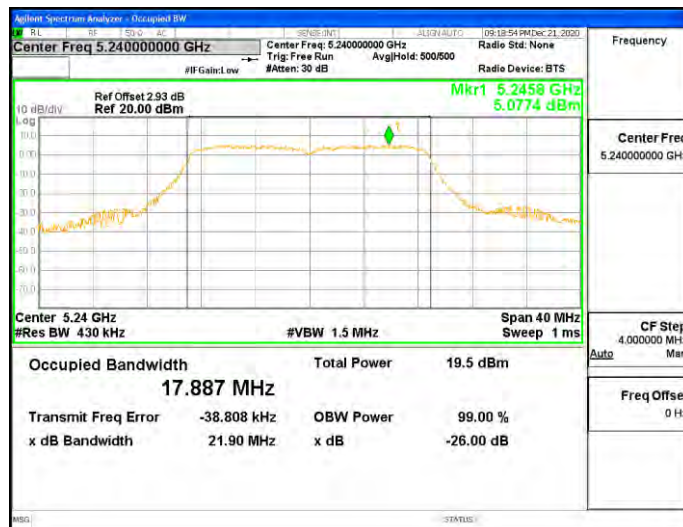
11AC20SISO_Ant1_5180



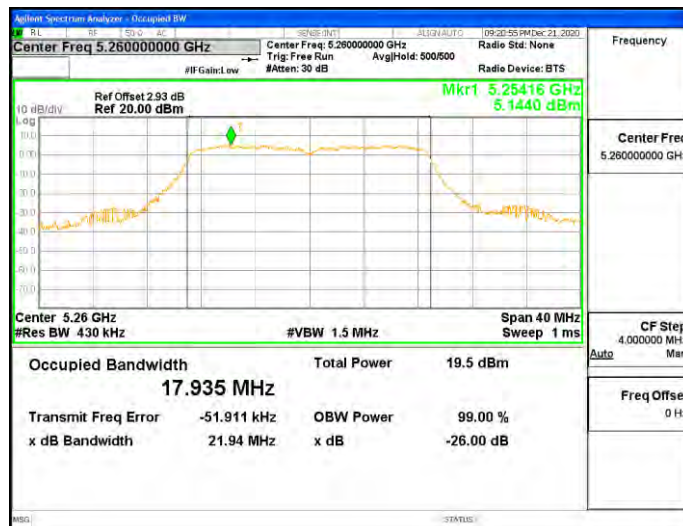
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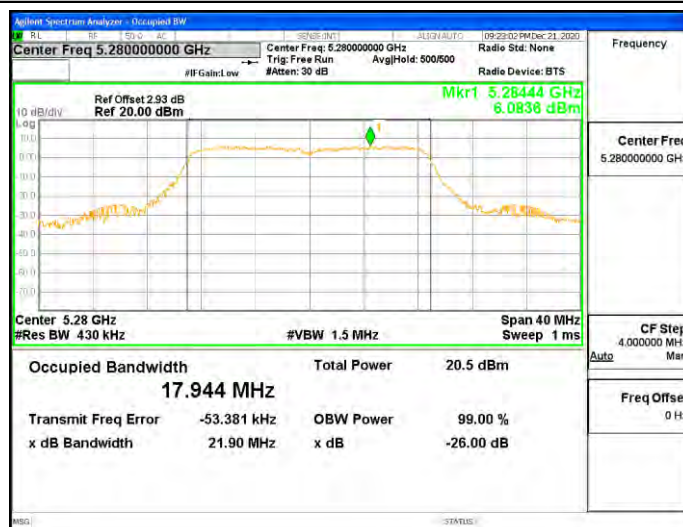
11AC20SISO_Ant1_5240



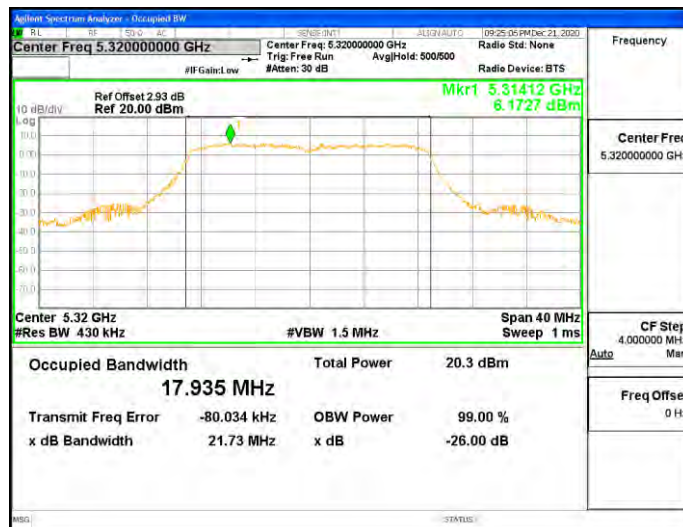
11AC20SISO_Ant1_5260



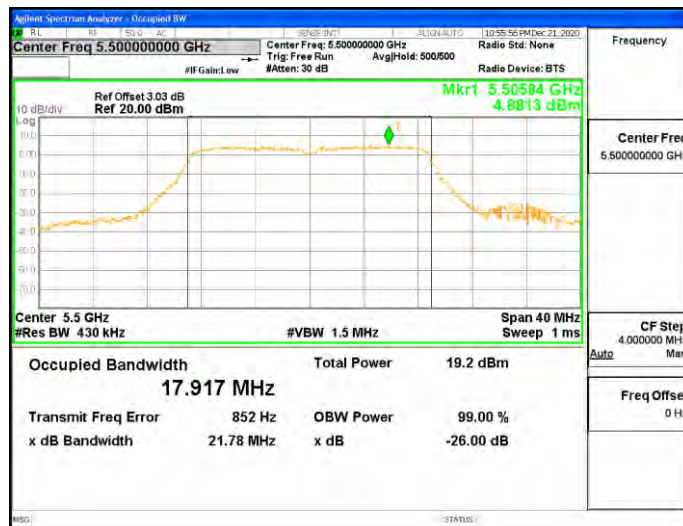
11AC20SISO_Ant1_5280



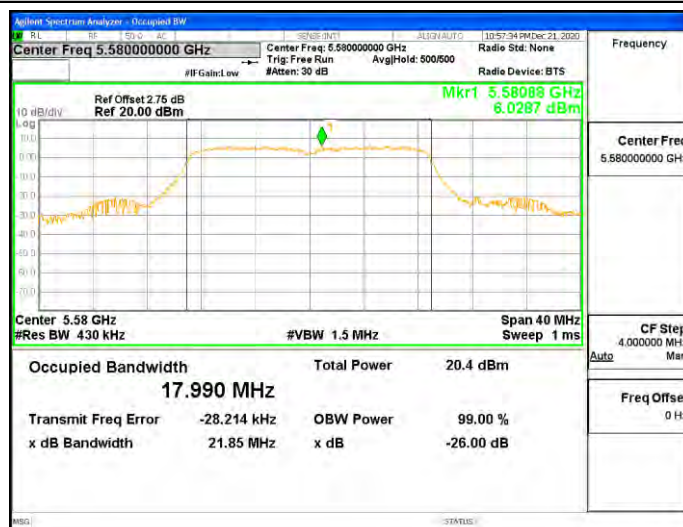
11AC20SISO_Ant1_5320



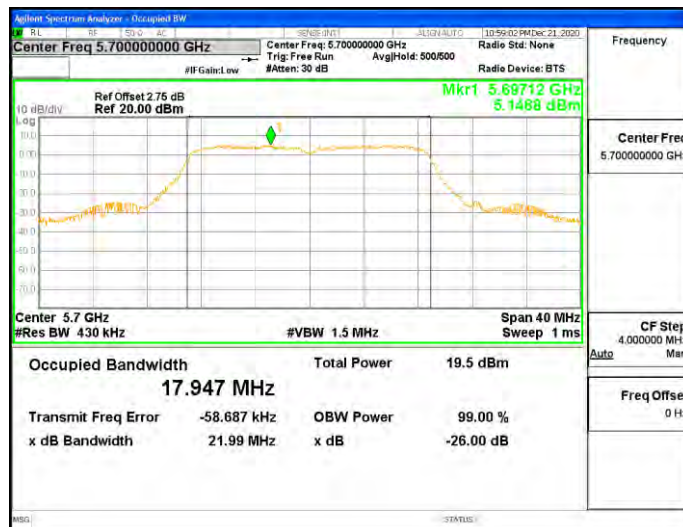
11AC20SISO_Ant1_5500



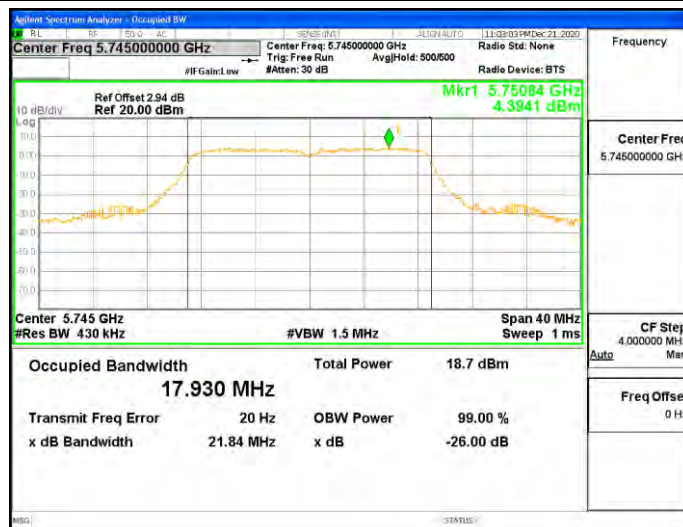
11AC20SISO_Ant1_5580



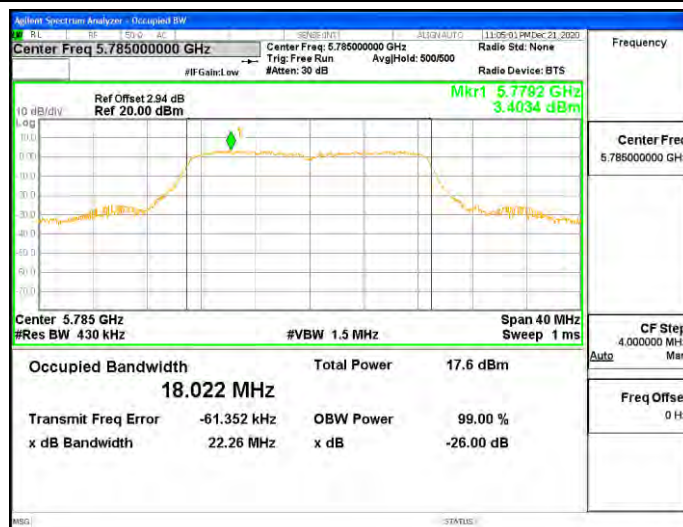
11AC20SISO_Ant1_5700



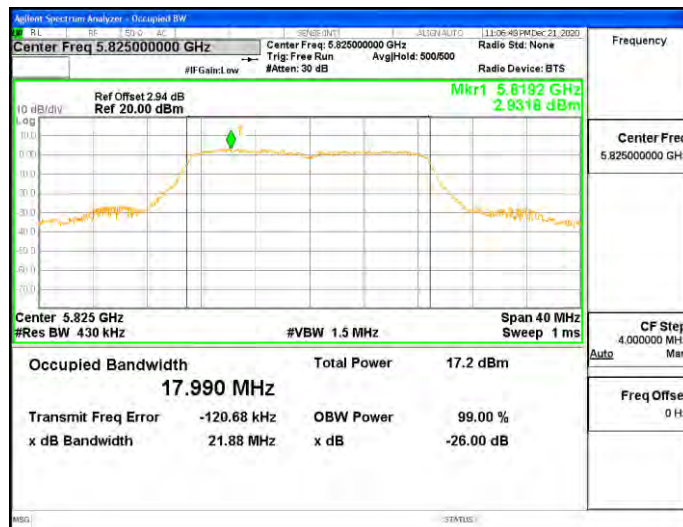
11AC20SISO_Ant1_5745



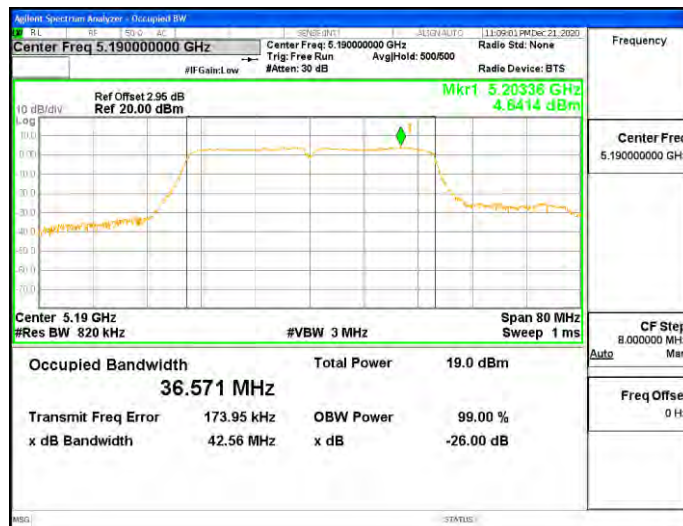
11AC20SISO_Ant1_5785



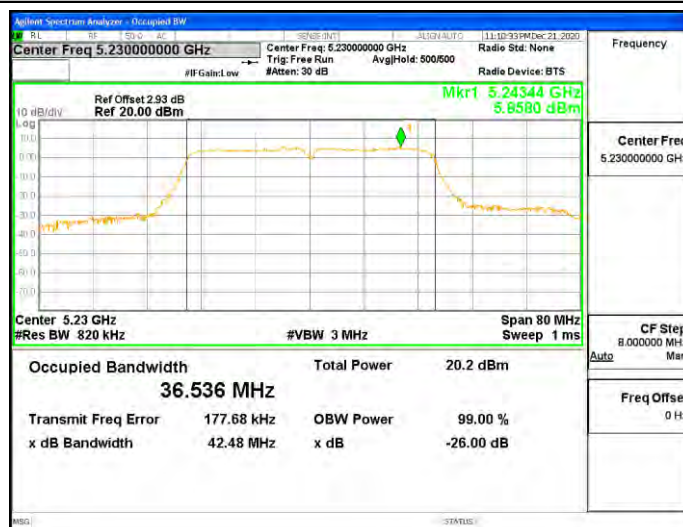
11AC20SISO_Ant1_5825



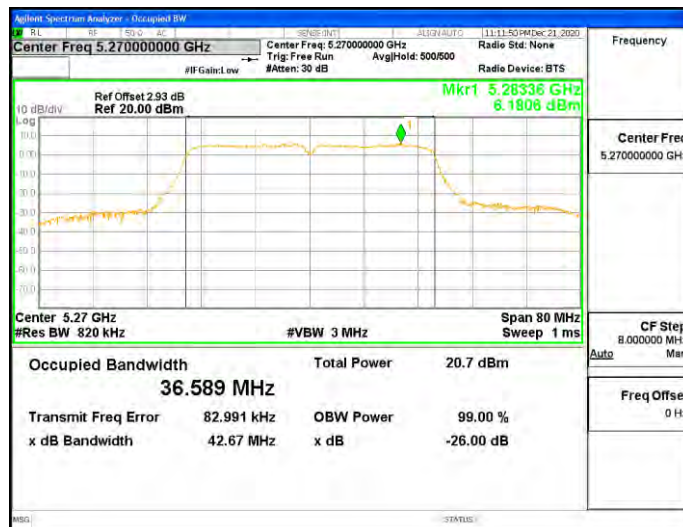
11AC40SISO_Ant1_5190



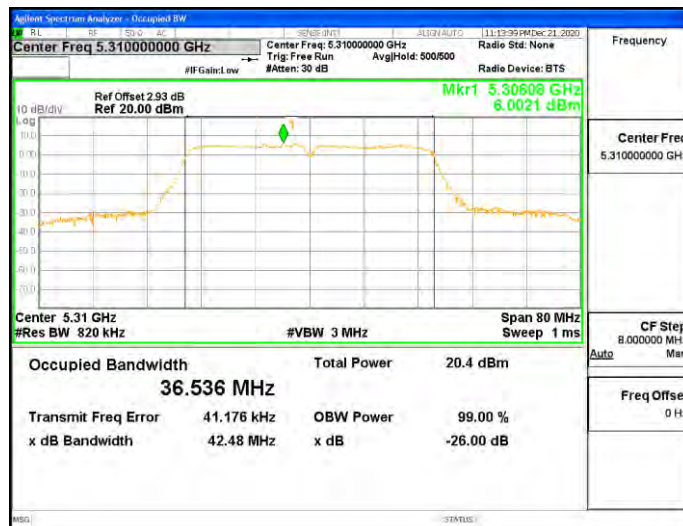
11AC40SISO_Ant1_5230



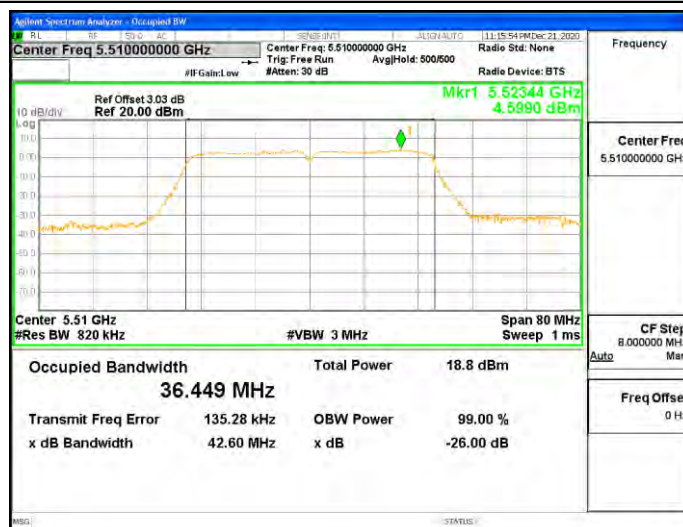
11AC40SISO_Ant1_5270



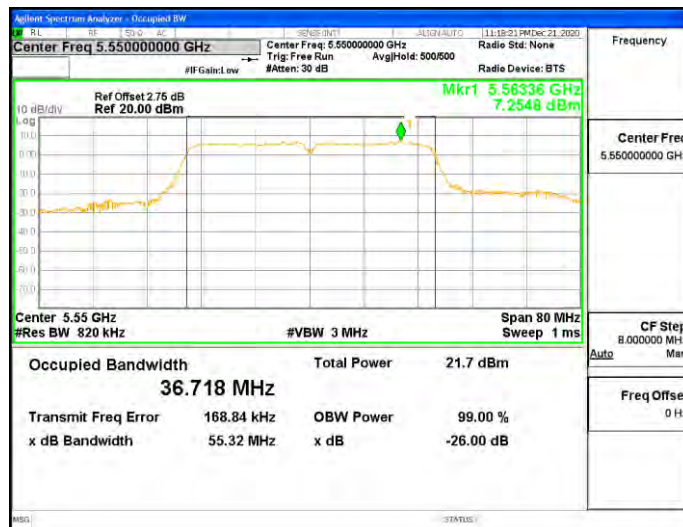
11AC40SISO_Ant1_5310



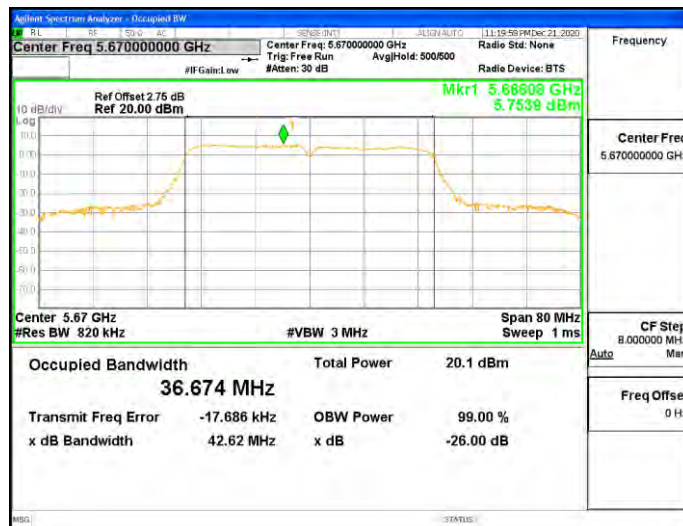
11AC40SISO_Ant1_5510



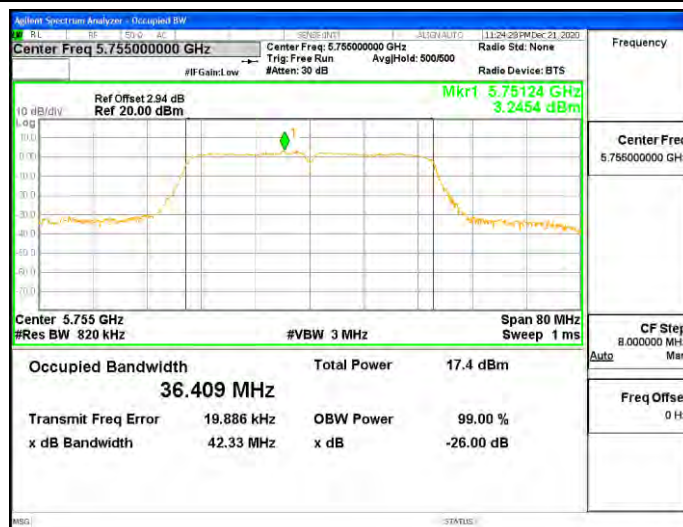
11AC40SISO_Ant1_5550



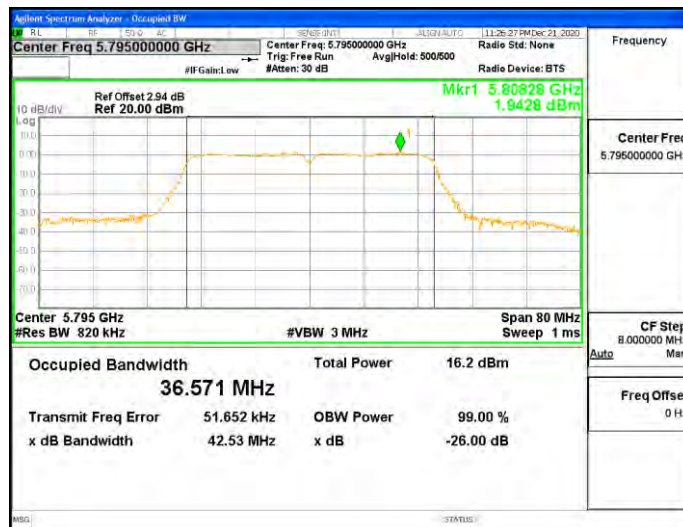
11AC40SISO_Ant1_5670



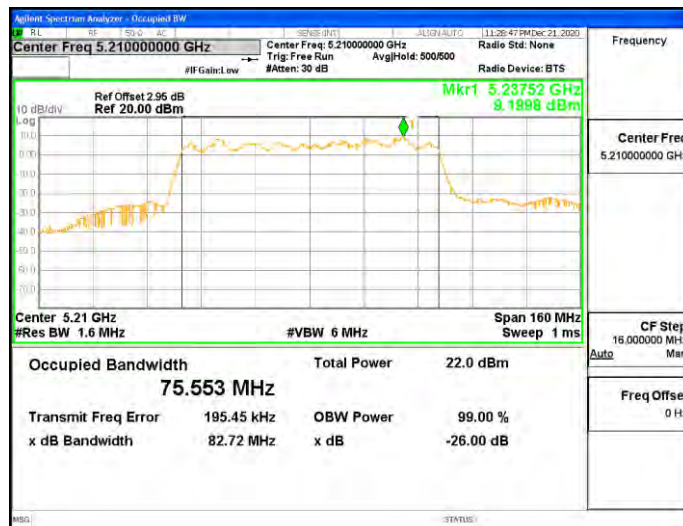
11AC40SISO_Ant1_5755



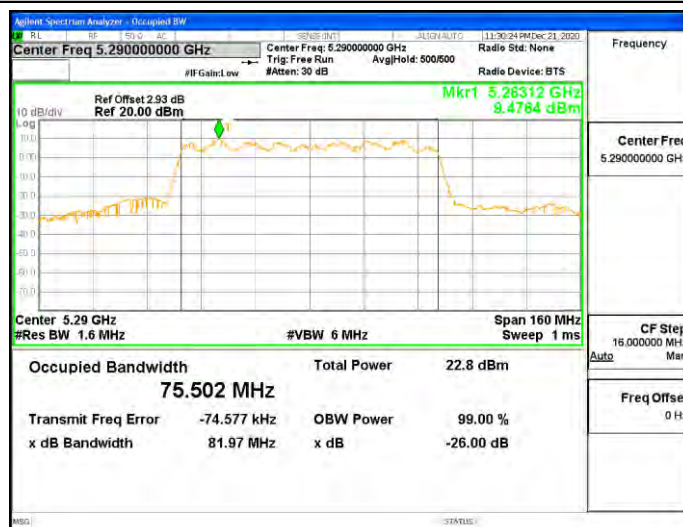
11AC40SISO_Ant1_5795



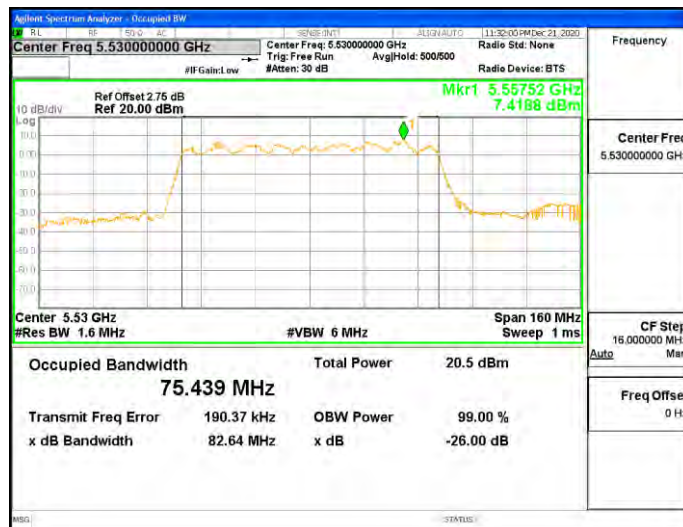
11AC80SISO_Ant1_5210



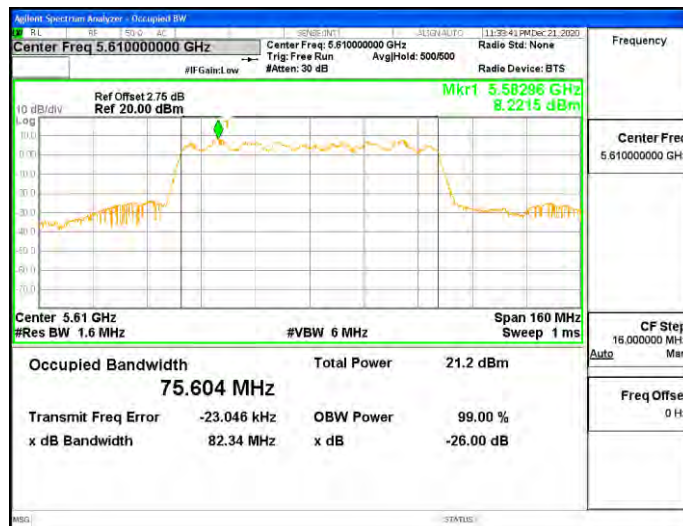
11AC80SISO_Ant1_5290



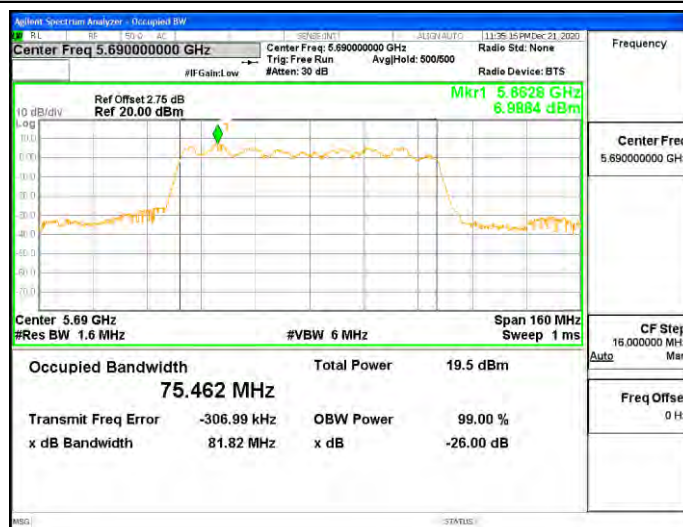
11AC80SISO_Ant1_5530



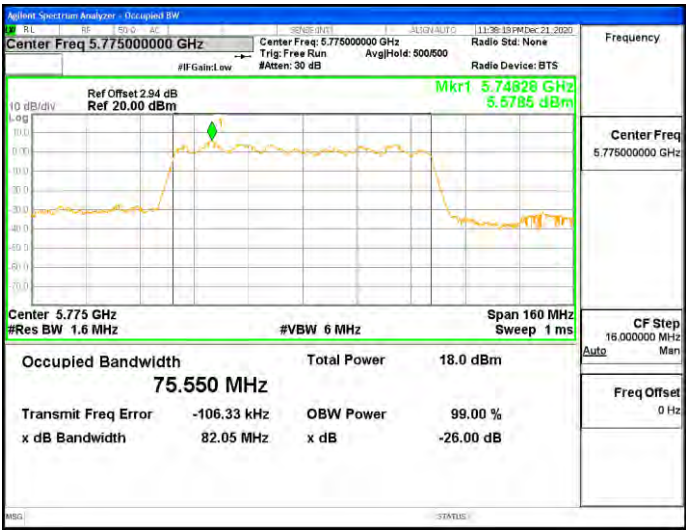
11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690



11AC80SISO_Ant1_5775



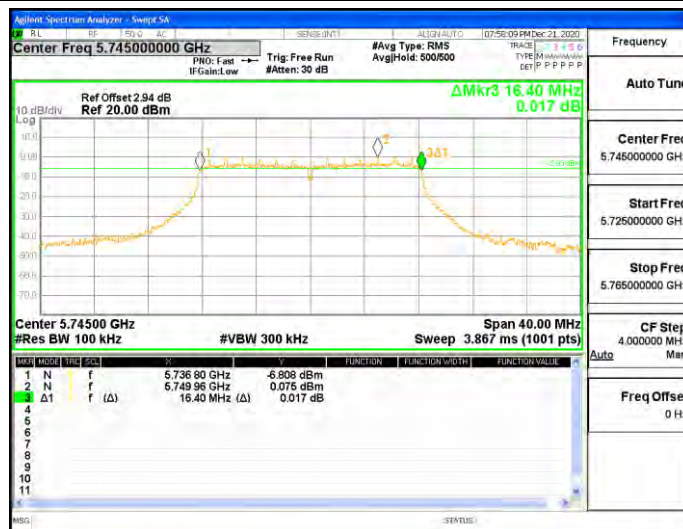
1.3 APPENDIX A3: MIN EMISSION BANDWIDTH

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
		5785	16.440	5776.760	5793.200	0.5	PASS
		5825	16.120	5816.760	5832.880	0.5	PASS
11N20SISO	Ant1	5745	16.960	5736.600	5753.560	0.5	PASS
		5785	16.960	5776.440	5793.400	0.5	PASS
		5825	16.720	5816.440	5833.160	0.5	PASS
11N40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.960	5736.560	5753.520	0.5	PASS
		5785	17.040	5776.360	5793.400	0.5	PASS
		5825	16.560	5816.360	5832.920	0.5	PASS
11AC40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS

Test Graphs

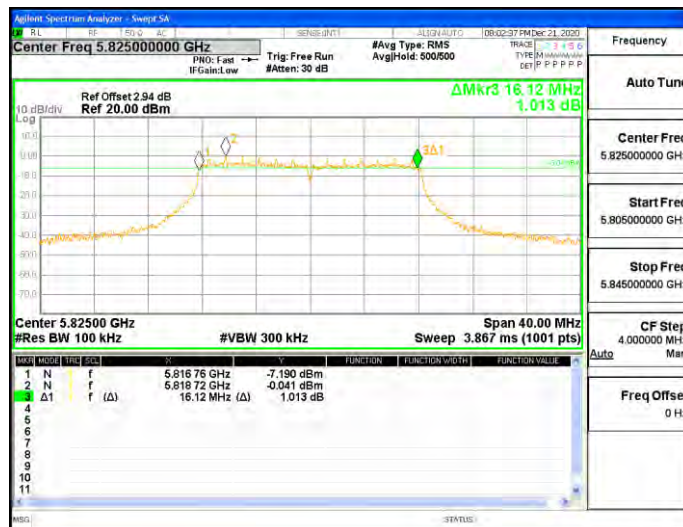
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



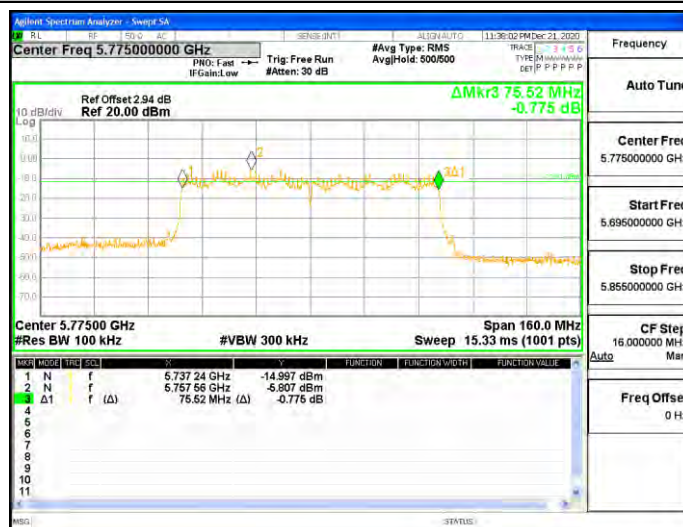
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



1.4 APPENDIX A4: FREQUENCY STABILITY

Test Result

Band 1:

Voltage vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(DC)		
20	3.5	5179.996487	0.68
	3.3	5179.994263	1.10
	3.1	5179.996478	0.68

Temperature vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(DC)	Temp(°C)		
3.3	-20	5179.998236	0.34
	-10	5179.993147	1.32
	0	5179.994258	1.11
	10	5179.990146	1.90
	20	5179.994358	1.09
	30	5179.997112	0.56
	40	5179.993625	1.23
	50	5179.994258	1.10

Band 2:

Voltage vs. Frequency Stability (Lowest channel=5260MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(DC)		
20	3.5	5259.998236	0.34
	3.3	5259.996154	0.73
	3.1	5259.994125	1.12

Temperature vs. Frequency Stability (Lowest channel=5260MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(DC)	Temp(°C)		
3.3	-20	5259.992314	1.46
	-10	5259.995089	0.93
	0	5259.994289	1.09
	10	5259.996147	0.73
	20	5259.992528	1.42
	30	5259.993478	1.24
	40	5259.994250	1.09
	50	5259.994362	1.07

Band 3:**Voltage vs. Frequency Stability (Lowest channel=5500MHz)**

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(DC)		
20	3.5	5499.992358	1.39
	3.3	5499.996985	0.55
	3.1	5499.993147	1.25

Temperature vs. Frequency Stability (Lowest channel=5500MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(DC)	Temp(°C)		
3.3	-20	5499.994258	1.04
	-10	5499.995635	0.79
	0	5499.994418	1.01
	10	5499.996258	0.68
	20	5499.994326	1.03
	30	5499.996258	0.68
	40	5499.993124	1.25
	50	5499.995412	0.83

Band 4:**Voltage vs. Frequency Stability (Lowest channel=5745MHz)**

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(DC)		
20	3.5	5744.991369	1.50
	3.3	5744.996147	0.67
	3.1	5744.994258	0.99

Temperature vs. Frequency Stability (Lowest channel=5745MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(AC /60Hz)	Temp(°C)		
3.3	-20	5744.994025	1.04
	-10	5744.995458	0.79
	0	5744.994748	0.91
	10	5744.997256	0.48
	20	5744.996269	0.65
	30	5744.994364	0.98
	40	5744.993520	1.13
	50	5744.995502	0.78

1.5 APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

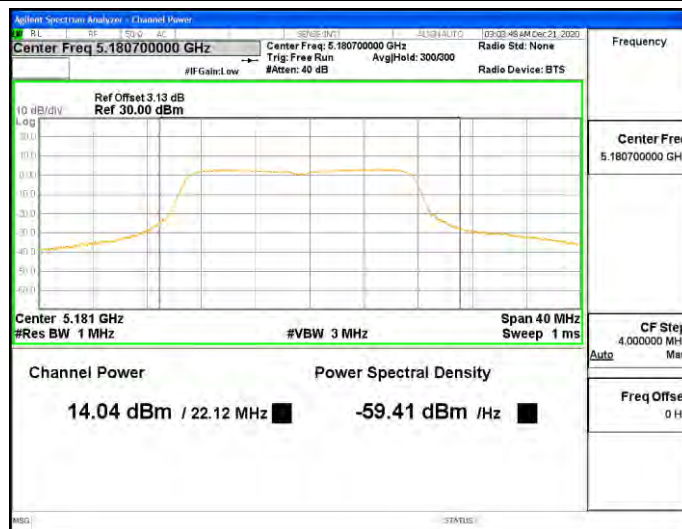
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	14.04	<=23.98	PASS
		5200	13.61	<=23.98	PASS
		5240	12.72	<=23.98	PASS
		5260	12.58	<=23.98	PASS
		5280	12.56	<=23.98	PASS
		5320	12.17	<=23.98	PASS
		5500	11.98	<=23.98	PASS
		5580	14.31	<=23.98	PASS
		5700	12.92	<=23.98	PASS
		5745	10.69	<=30	PASS
		5785	10.97	<=30	PASS
		5825	10.56	<=30	PASS
11N20SISO	Ant1	5180	12.53	<=23.98	PASS
		5200	13.63	<=23.98	PASS
		5240	11.92	<=23.98	PASS
		5260	12.96	<=23.98	PASS
		5320	14.99	<=23.98	PASS
		5500	12.71	<=23.98	PASS
		5580	14.14	<=23.98	PASS
		5700	12.59	<=23.98	PASS
		5745	11.75	<=30	PASS
		5785	10.76	<=30	PASS
		5825	10.36	<=30	PASS
11N40SISO	Ant1	5190	11.68	<=23.98	PASS
		5230	12.77	<=23.98	PASS
		5270	13.14	<=23.98	PASS
		5310	13.15	<=23.98	PASS
		5510	11.36	<=23.98	PASS
		5550	14.29	<=23.98	PASS
		5670	12.87	<=23.98	PASS
		5755	10.13	<=30	PASS
		5795	9.84	<=30	PASS
11AC20SISO	Ant1	5180	12.25	<=23.98	PASS
		5200	13.44	<=23.98	PASS
		5240	12.75	<=23.98	PASS
		5260	12.76	<=23.98	PASS
		5280	13.81	<=23.98	PASS

		5320	13.62	<=23.98	PASS
		5500	12.18	<=23.98	PASS
		5580	13.56	<=23.98	PASS
		5700	12.79	<=23.98	PASS
		5745	11.89	<=30	PASS
		5785	10.90	<=30	PASS
		5825	10.50	<=30	PASS
11AC40SISO	Ant1	5190	11.78	<=23.98	PASS
		5230	12.91	<=23.98	PASS
		5310	13.19	<=23.98	PASS
		5510	11.43	<=23.98	PASS
		5550	14.31	<=23.98	PASS
		5670	12.82	<=23.98	PASS
		5755	10.13	<=30	PASS
		5795	8.98	<=30	PASS
11AC80SISO	Ant1	5210	13.36	<=23.98	PASS
		5290	14.26	<=23.98	PASS
		5530	11.82	<=23.98	PASS
		5610	12.73	<=23.98	PASS
		5775	9.42	<=30	PASS

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



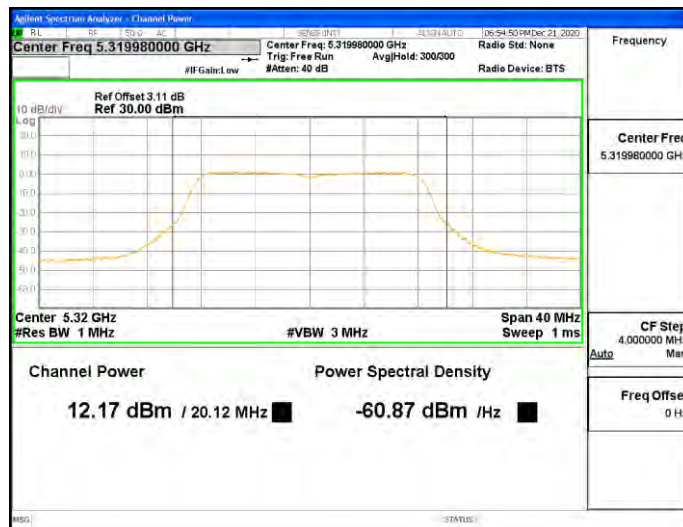
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



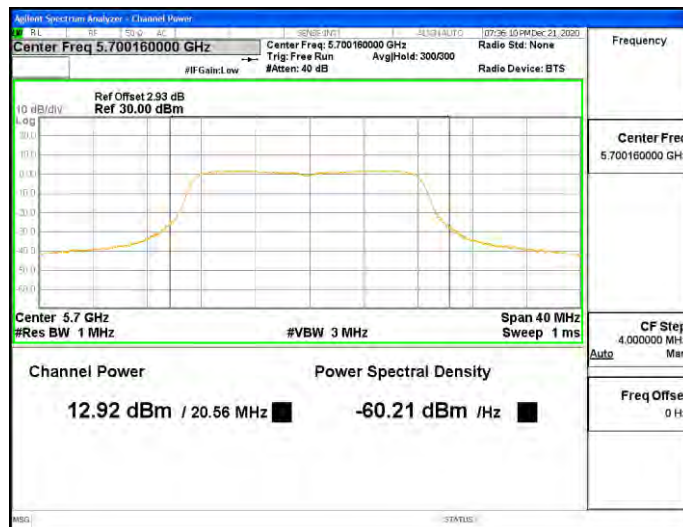
11A_Ant1_5500



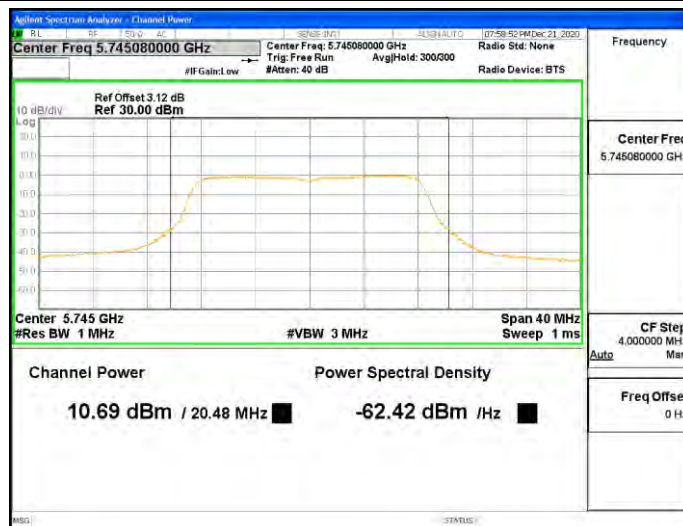
11A_Ant1_5580



11A_Ant1_5700



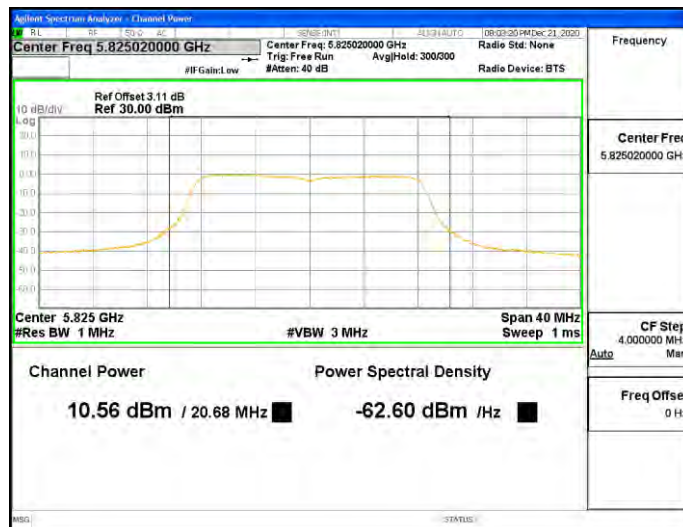
11A_Ant1_5745



11A_Ant1_5785



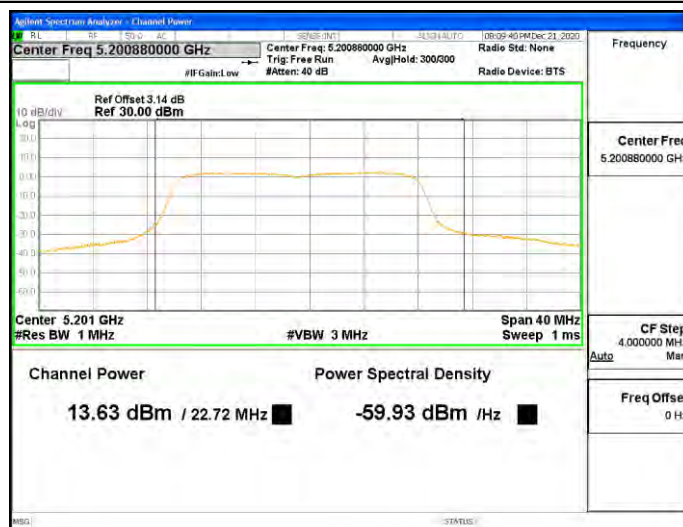
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



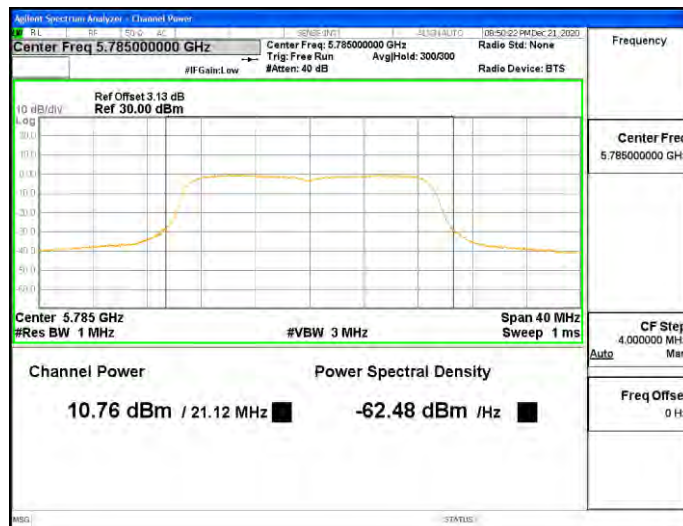
11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



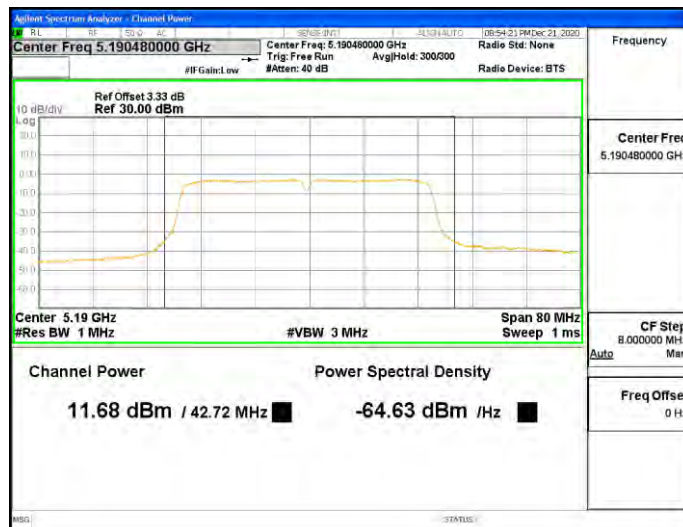
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



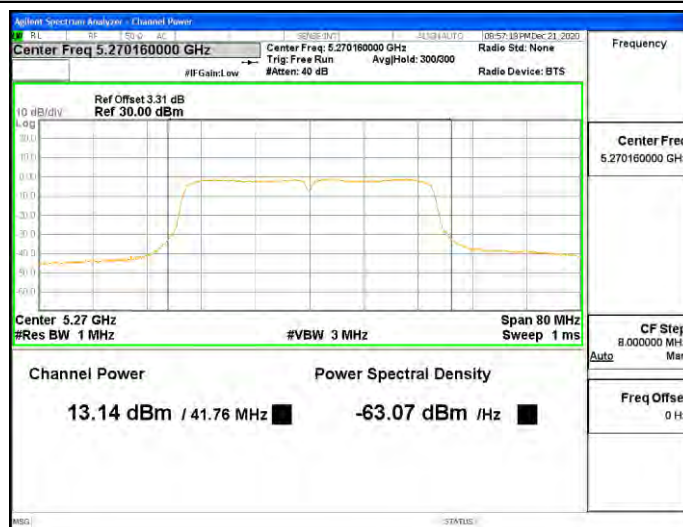
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



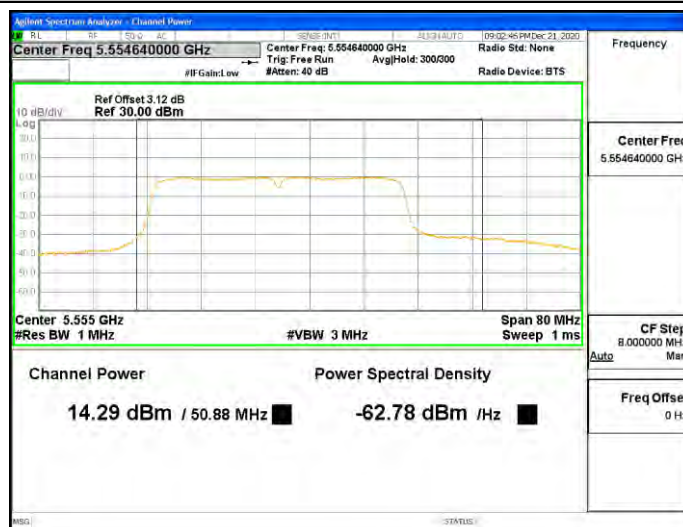
11N40SISO_Ant1_5310



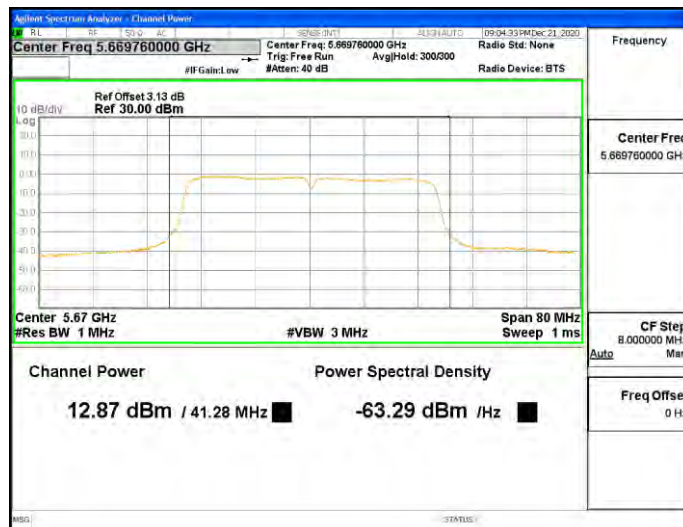
11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



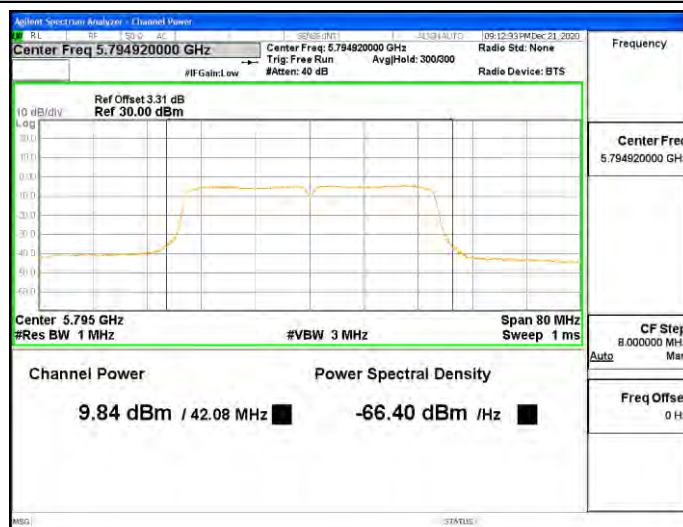
11N40SISO_Ant1_5670



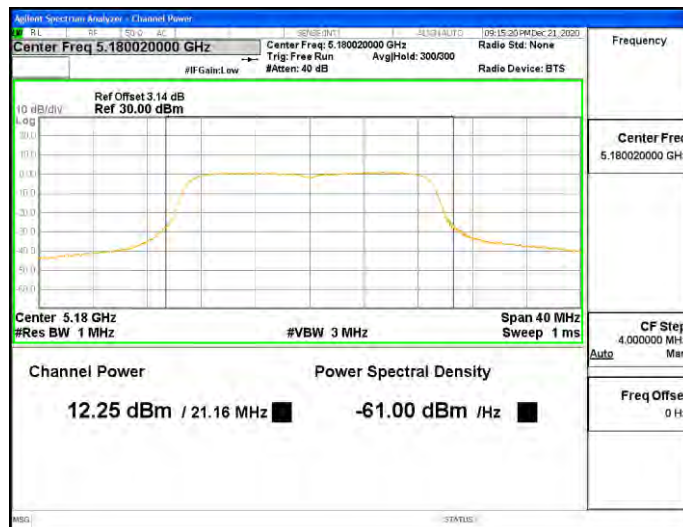
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



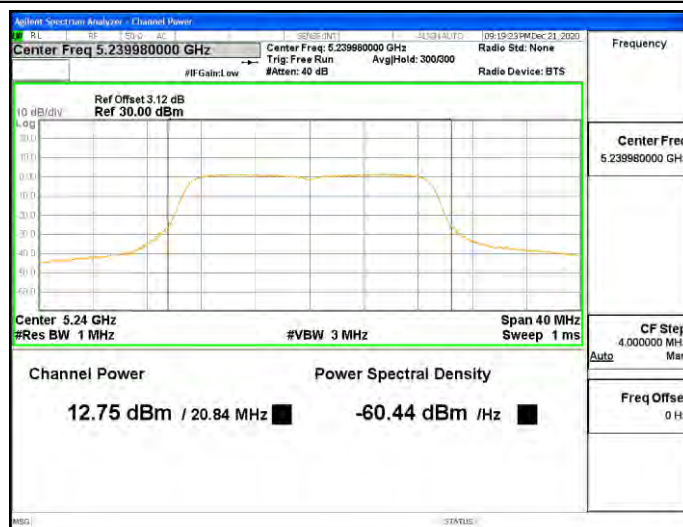
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260