

Appendix D

RF Test Data for 5G WLAN (Conducted Measurement)

Product Name: LUMI SERIES

Trade Mark: COIN

Test Model: LUMIR5-50U

Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Alan Wang
Supervised by:	Amy Wen

Appendix A1: Emission Bandwidth

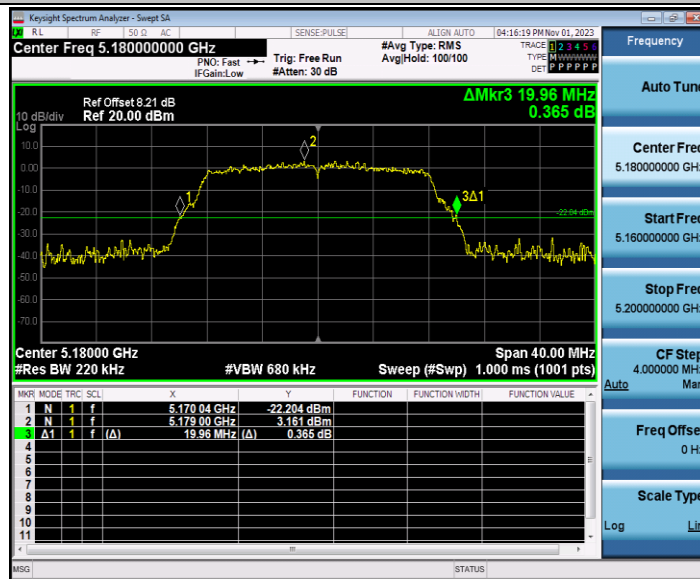
Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.960	5170.040	5190.000	---	---
		5220	20.080	5209.960	5230.040	---	---
		5240	19.960	5230.000	5249.960	---	---
		5260	20.200	5249.800	5270.000	---	---
		5300	20.080	5289.880	5309.960	---	---
		5320	20.120	5310.080	5330.200	---	---
		5500	21.840	5489.560	5511.400	---	---
		5580	20.880	5569.800	5590.680	---	---
		5700	20.200	5690.000	5710.200	---	---
11N20SISO	Ant1	5180	20.120	5169.880	5190.000	---	---
		5220	20.120	5209.960	5230.080	---	---
		5240	20.200	5229.960	5250.160	---	---
		5260	20.440	5249.840	5270.280	---	---
		5300	20.600	5289.720	5310.320	---	---
		5320	20.080	5309.880	5329.960	---	---
		5500	20.320	5489.720	5510.040	---	---
		5580	20.320	5570.000	5590.320	---	---
		5700	20.160	5689.840	5710.000	---	---
11N40SISO	Ant1	5190	39.920	5169.920	5209.840	---	---
		5230	40.320	5210.000	5250.320	---	---
		5270	40.880	5249.360	5290.240	---	---
		5310	40.640	5289.600	5330.240	---	---
		5510	41.440	5489.200	5530.640	---	---
		5550	41.280	5529.360	5570.640	---	---
		5670	41.840	5648.720	5690.560	---	---
11AC20SISO	Ant1	5180	20.400	5169.720	5190.120	---	---
		5220	20.080	5209.880	5229.960	---	---
		5240	20.240	5229.760	5250.000	---	---
		5260	20.040	5249.960	5270.000	---	---
		5300	20.480	5289.680	5310.160	---	---
		5320	19.960	5309.920	5329.880	---	---
		5500	20.080	5490.000	5510.080	---	---
		5580	20.360	5569.760	5590.120	---	---
		5700	20.120	5689.880	5710.000	---	---
11AC40SISO	Ant1	5190	40.240	5169.840	5210.080	---	---

		5230	40.240	5209.760	5250.000	---	---
		5270	40.560	5249.600	5290.160	---	---
		5310	40.800	5289.600	5330.400	---	---
		5510	41.200	5489.440	5530.640	---	---
		5550	40.400	5529.680	5570.080	---	---
		5670	55.040	5636.720	5691.760	---	---
11AC80SISO	Ant1	5210	81.280	5169.520	5250.800	---	---
		5290	80.960	5249.680	5330.640	---	---
		5530	87.360	5483.760	5571.120	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5260



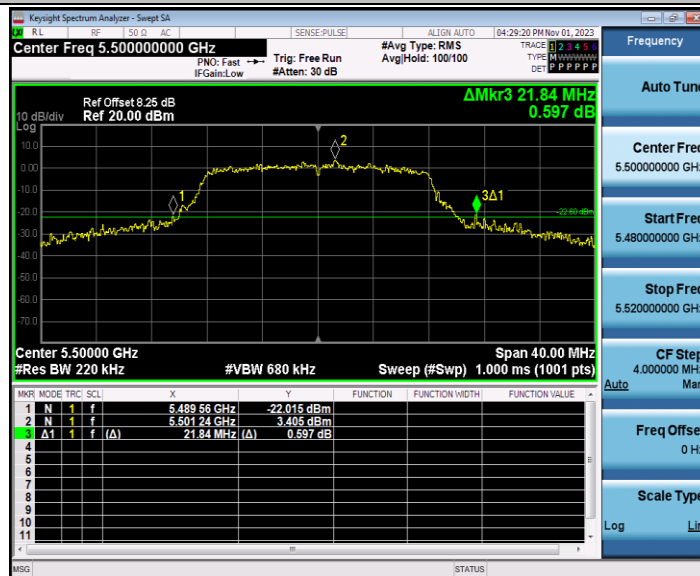
11A_Ant1_5300



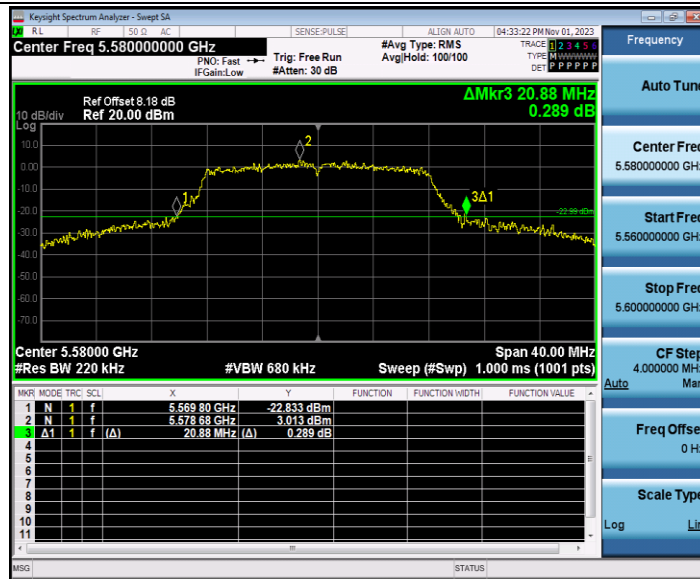
11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5300



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



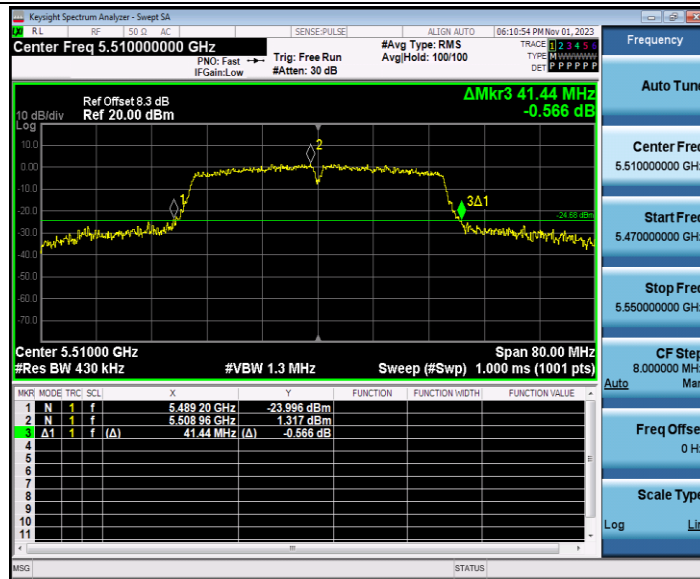
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



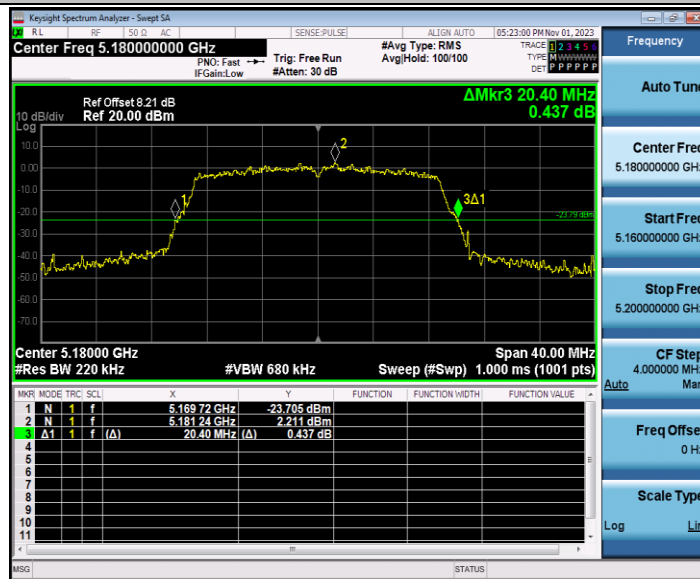
11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5300



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



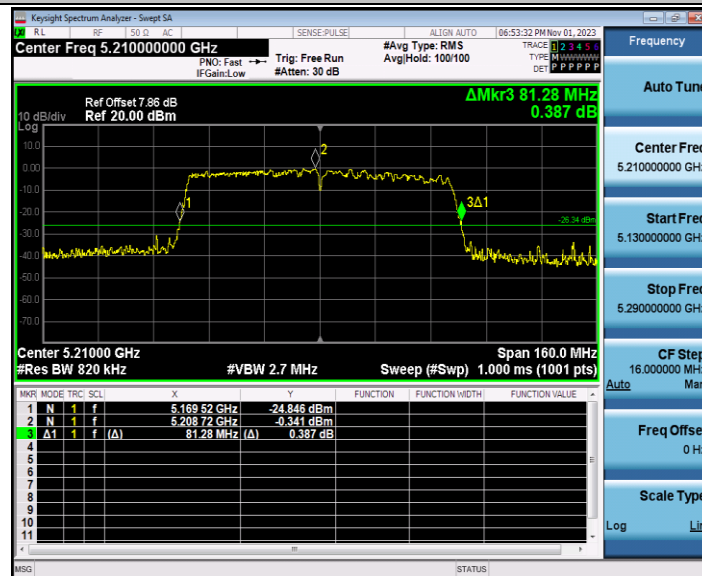
11AC40SISO_Ant1_5550



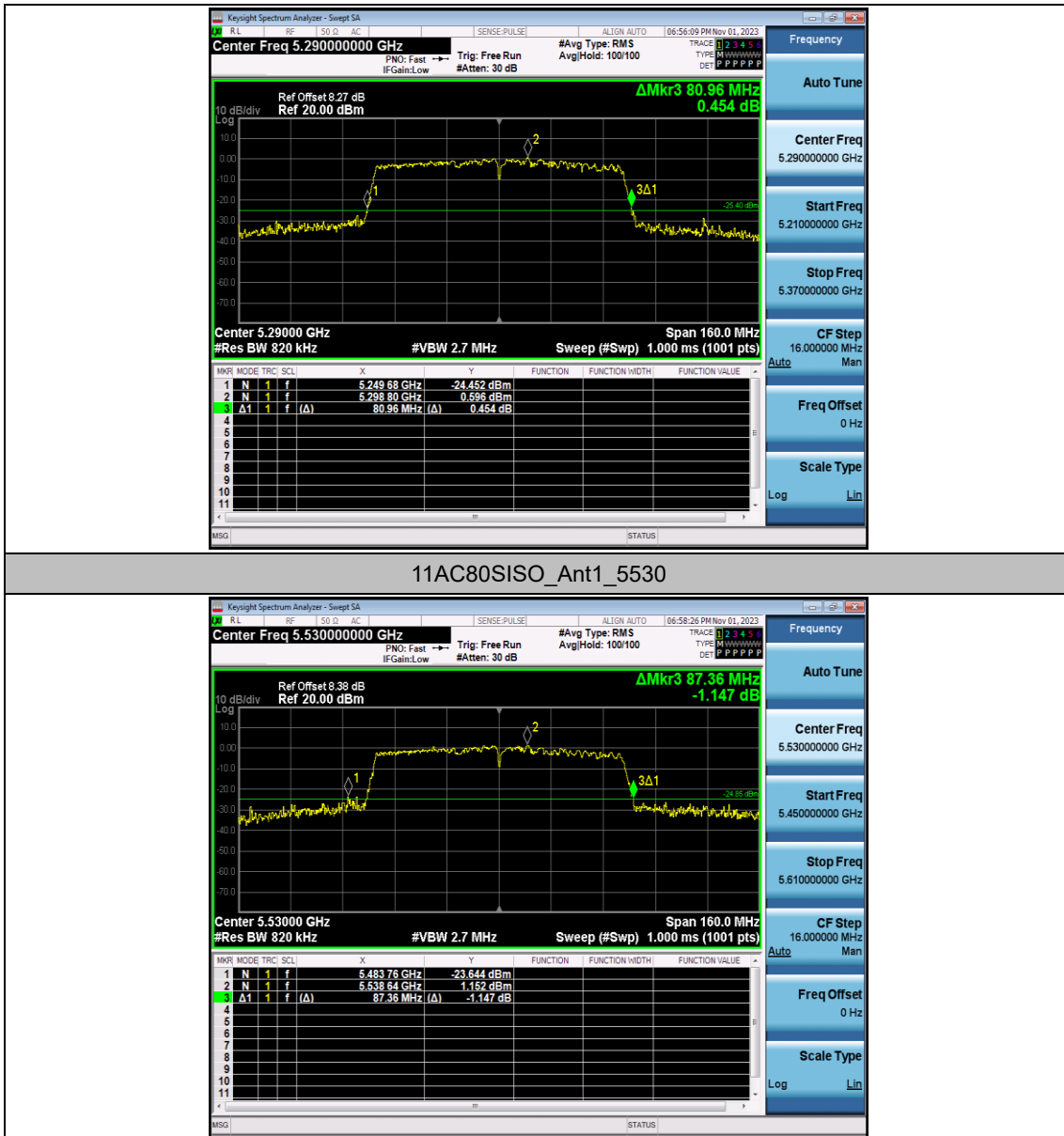
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



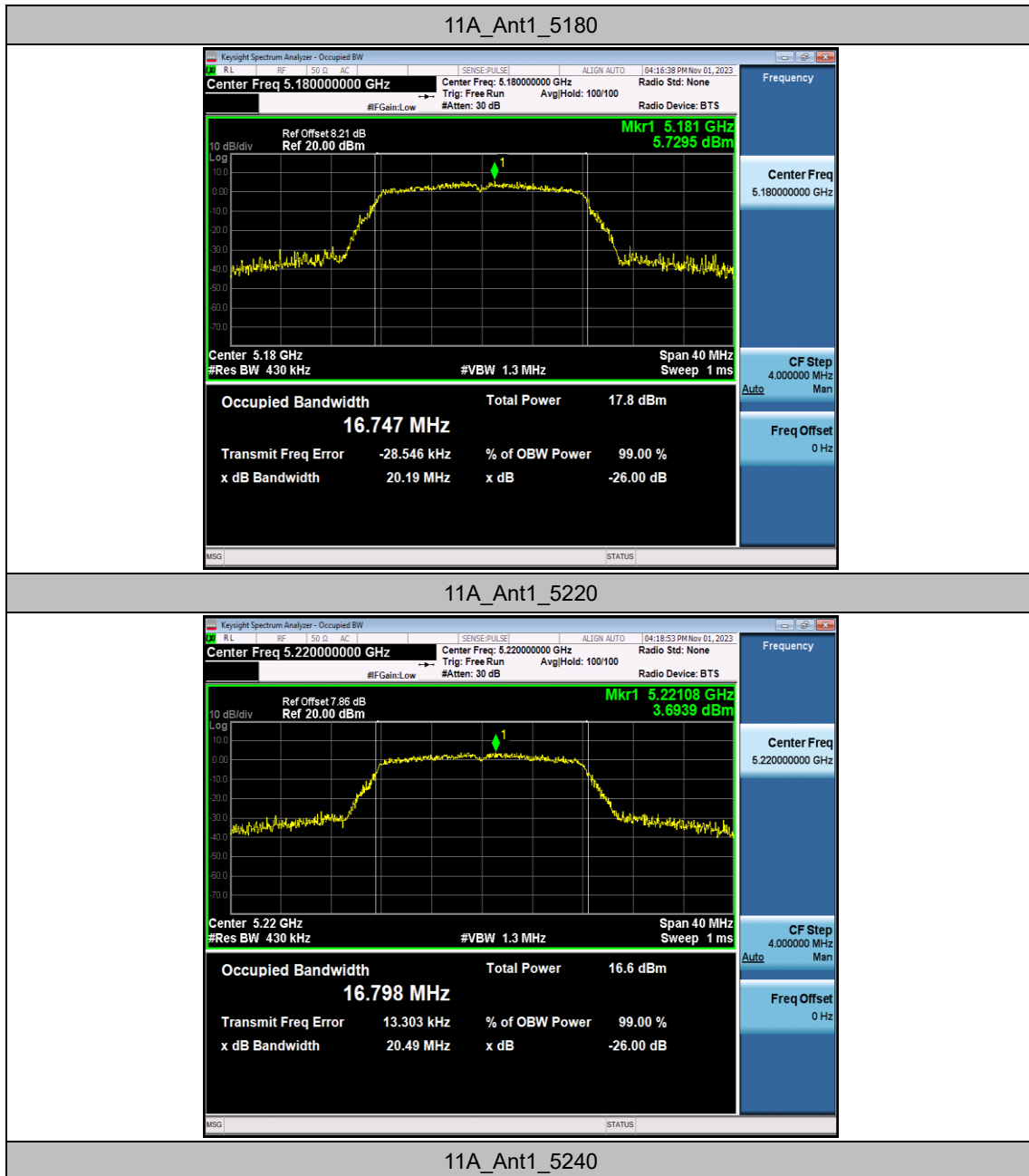
Appendix A2: Occupied channel bandwidth

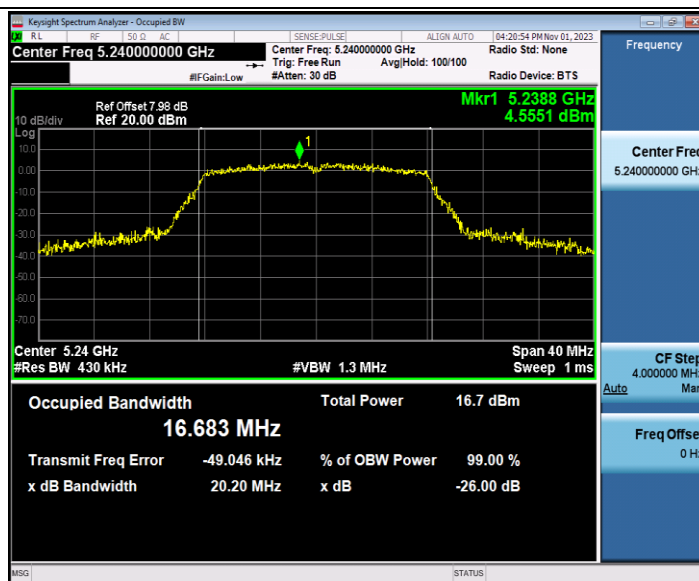
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.747	5171.598	5188.345	---	---
		5220	16.798	5211.614	5228.412	---	---
		5240	16.683	5231.609	5248.292	---	---
		5260	16.816	5251.574	5268.390	---	---
		5300	16.838	5291.551	5308.389	---	---
		5320	16.847	5311.539	5328.386	---	---
		5500	16.985	5491.459	5508.444	---	---
		5580	16.930	5571.511	5588.441	---	---
		5700	16.970	5691.498	5708.468	---	---
		5745	16.997	5736.507	5753.504	---	---
		5785	16.948	5776.552	5793.500	---	---
		5825	17.384	5816.319	5833.703	---	---
11N20SISO	Ant1	5180	17.746	5171.107	5188.853	---	---
		5220	17.745	5211.101	5228.846	---	---
		5240	17.723	5231.108	5248.831	---	---
		5260	17.820	5251.048	5268.868	---	---
		5300	17.766	5291.079	5308.845	---	---
		5320	17.782	5311.053	5328.835	---	---
		5500	17.783	5491.056	5508.839	---	---
		5580	17.834	5571.048	5588.882	---	---
		5700	17.757	5691.089	5708.846	---	---
		5745	17.826	5736.083	5753.909	---	---
		5785	17.865	5776.027	5793.892	---	---
		5825	17.995	5815.972	5833.967	---	---
11N40SISO	Ant1	5190	36.127	5171.883	5208.010	---	---
		5230	36.042	5211.981	5248.023	---	---
		5270	36.112	5251.937	5288.049	---	---
		5310	36.074	5291.979	5328.053	---	---
		5510	36.212	5491.913	5528.125	---	---
		5550	36.209	5531.932	5568.141	---	---
		5670	36.272	5651.843	5688.115	---	---
		5755	36.137	5737.011	5773.148	---	---
		5795	36.208	5776.942	5813.150	---	---
11AC20SISO	Ant1	5180	17.794	5171.080	5188.874	---	---
		5220	17.731	5211.097	5228.828	---	---
		5240	17.777	5231.092	5248.869	---	---
		5260	17.732	5251.101	5268.833	---	---

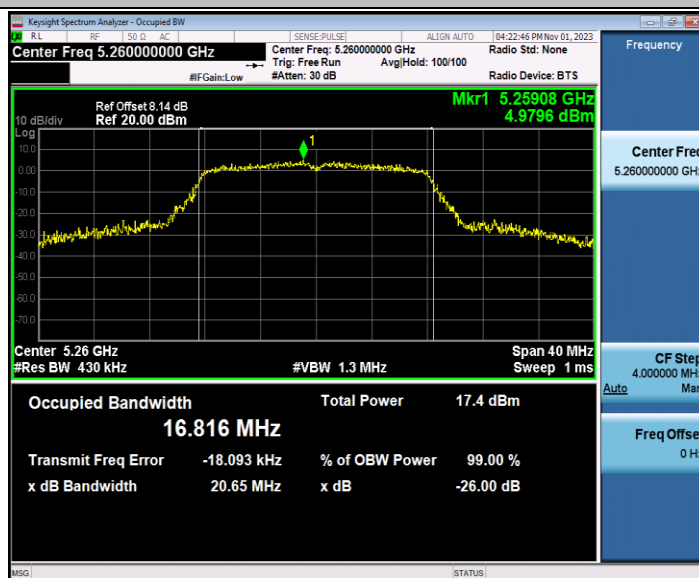
		5300	17.747	5291.081	5308.828	---	---
		5320	17.761	5311.062	5328.823	---	---
		5500	17.831	5491.034	5508.865	---	---
		5580	17.800	5571.079	5588.879	---	---
		5700	17.812	5691.108	5708.920	---	---
		5745	17.914	5736.052	5753.966	---	---
		5785	17.812	5776.089	5793.901	---	---
		5825	17.959	5815.980	5833.939	---	---
11AC40SISO	Ant1	5190	36.030	5171.974	5208.004	---	---
		5230	36.036	5211.979	5248.015	---	---
		5270	36.146	5251.903	5288.049	---	---
		5310	36.223	5291.898	5328.121	---	---
		5510	36.170	5491.942	5528.112	---	---
		5550	36.259	5531.859	5568.118	---	---
		5670	36.372	5651.814	5688.186	---	---
		5755	36.138	5736.989	5773.127	---	---
		5795	36.287	5776.873	5813.160	---	---
11AC80SISO	Ant1	5210	75.405	5172.165	5247.570	---	---
		5290	75.347	5252.327	5327.674	---	---
		5530	75.709	5492.196	5567.905	---	---
		5775	75.621	5737.342	5812.963	---	---

Test Graphs

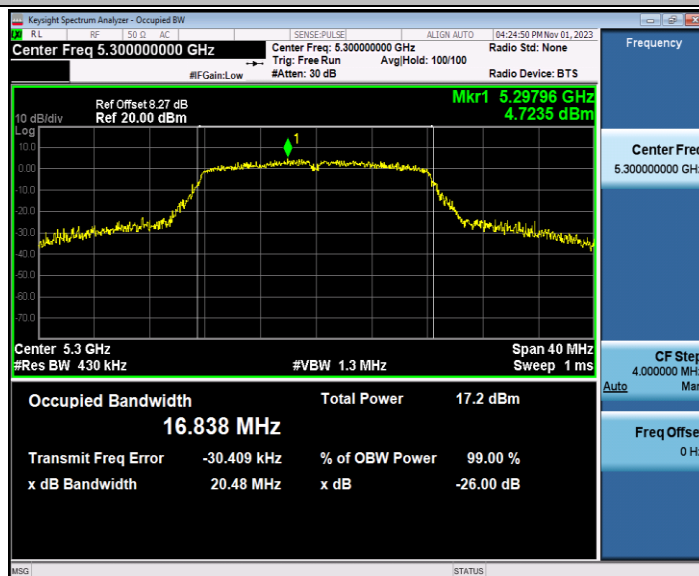




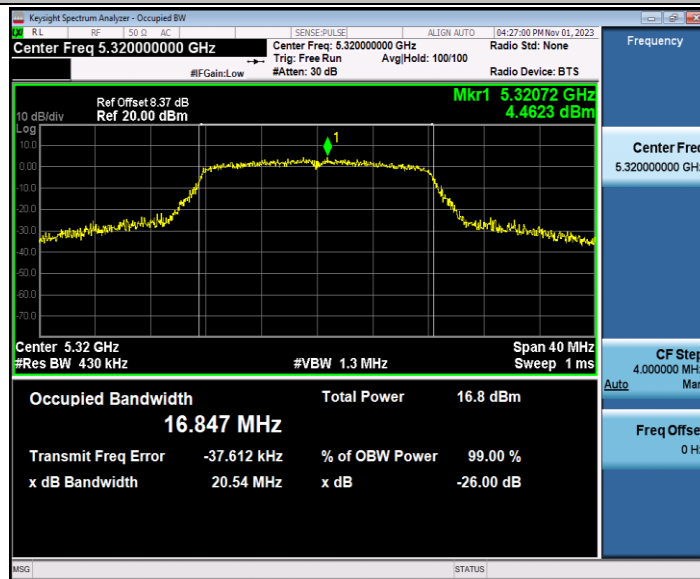
11A_Ant1_5260



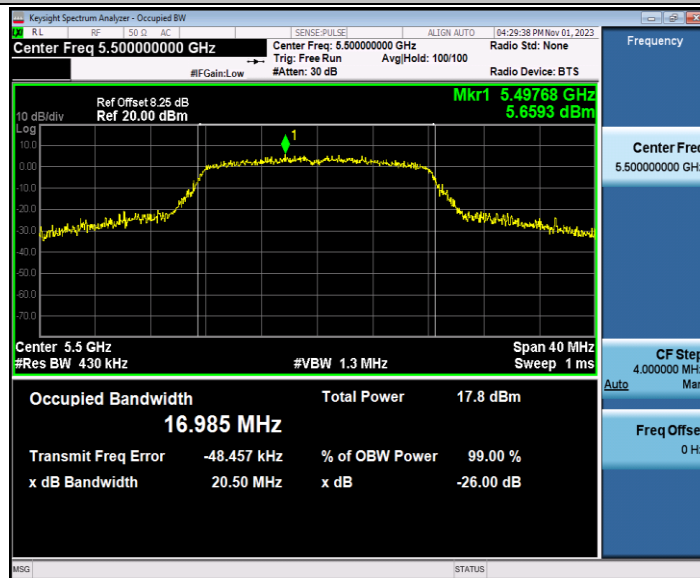
11A_Ant1_5300



11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580