

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	Ant2	5180	20.000	5170.000	5190.000	---	---
		5220	20.120	5209.920	5230.040	---	---
		5240	20.000	5229.920	5249.920	---	---
		5260	20.240	5249.920	5270.160	---	---
		5300	19.960	5289.960	5309.920	---	---
		5320	20.480	5309.840	5330.320	---	---
		5500	20.160	5489.800	5509.960	---	---
		5580	20.400	5569.760	5590.160	---	---
		5700	20.080	5689.920	5710.000	---	---
11N20SISO	Ant2	5180	20.160	5169.920	5190.080	---	---
		5220	19.960	5210.000	5229.960	---	---
		5240	20.240	5229.760	5250.000	---	---
		5260	20.320	5249.680	5270.000	---	---
		5300	20.440	5289.920	5310.360	---	---
		5320	20.160	5309.960	5330.120	---	---
		5500	20.360	5489.800	5510.160	---	---
		5580	20.280	5569.720	5590.000	---	---
		5700	20.360	5689.760	5710.120	---	---
11N40SISO	Ant2	5190	40.080	5170.000	5210.080	---	---
		5230	40.000	5209.920	5249.920	---	---
		5270	40.880	5249.280	5290.160	---	---
		5310	40.400	5289.680	5330.080	---	---
		5510	40.960	5489.520	5530.480	---	---
		5550	40.560	5529.840	5570.400	---	---
		5670	43.120	5647.680	5690.800	---	---
11AC20SISO	Ant2	5180	20.080	5169.880	5189.960	---	---
		5220	20.280	5209.960	5230.240	---	---
		5240	20.200	5229.880	5250.080	---	---
		5260	19.920	5250.000	5269.920	---	---
		5300	20.120	5289.800	5309.920	---	---
		5320	20.280	5309.800	5330.080	---	---
		5500	20.080	5489.880	5509.960	---	---
		5580	20.320	5569.880	5590.200	---	---
		5700	20.240	5689.920	5710.160	---	---
11AC40SISO	Ant2	5190	40.480	5169.840	5210.320	---	---

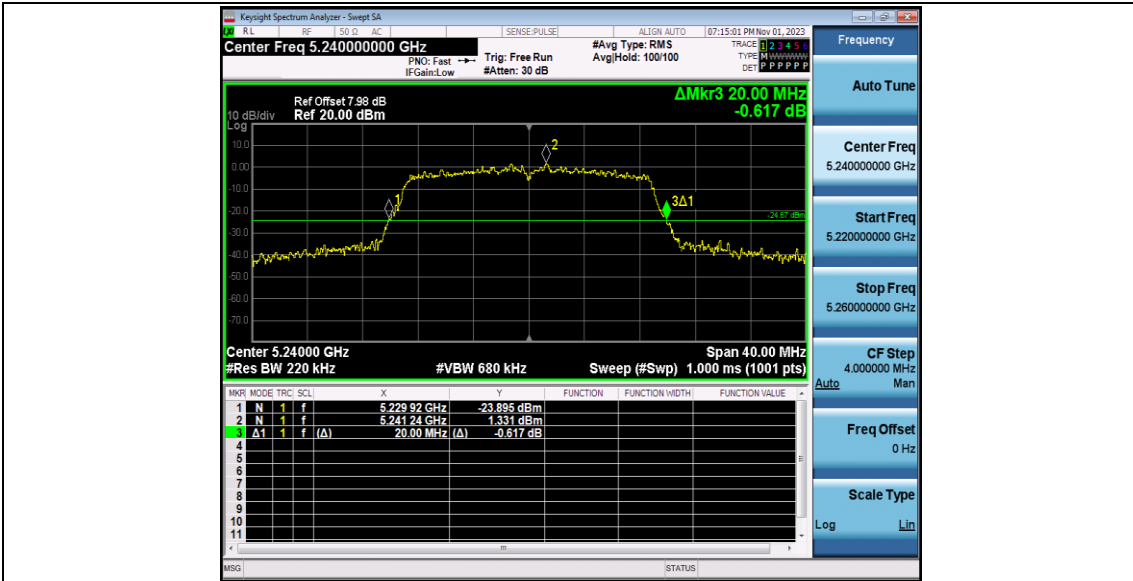
		5230	40.480	5209.680	5250.160	---	---
		5270	40.480	5249.920	5290.400	---	---
		5310	40.720	5289.520	5330.240	---	---
		5510	41.200	5489.440	5530.640	---	---
		5550	41.200	5529.200	5570.400	---	---
		5670	44.400	5649.040	5693.440	---	---
11AC80SISO	Ant2	5210	81.280	5169.520	5250.800	---	---
		5290	81.280	5249.360	5330.640	---	---
		5530	85.120	5489.360	5574.480	---	---

Test Graphs


11A_Ant2_5220

Frequency	Auto Tune
Center Freq	5.22000000 GHz
Start Freq	5.20000000 GHz
Stop Freq	5.24000000 GHz
CF Step	4.000000 MHz
Freq Offset	0 Hz
Scale Type	Log Lin

11A_Ant2_5240



11A_Ant2_5260



11A_Ant2_5300



11A_Ant2_5320



11A_Ant2_5500



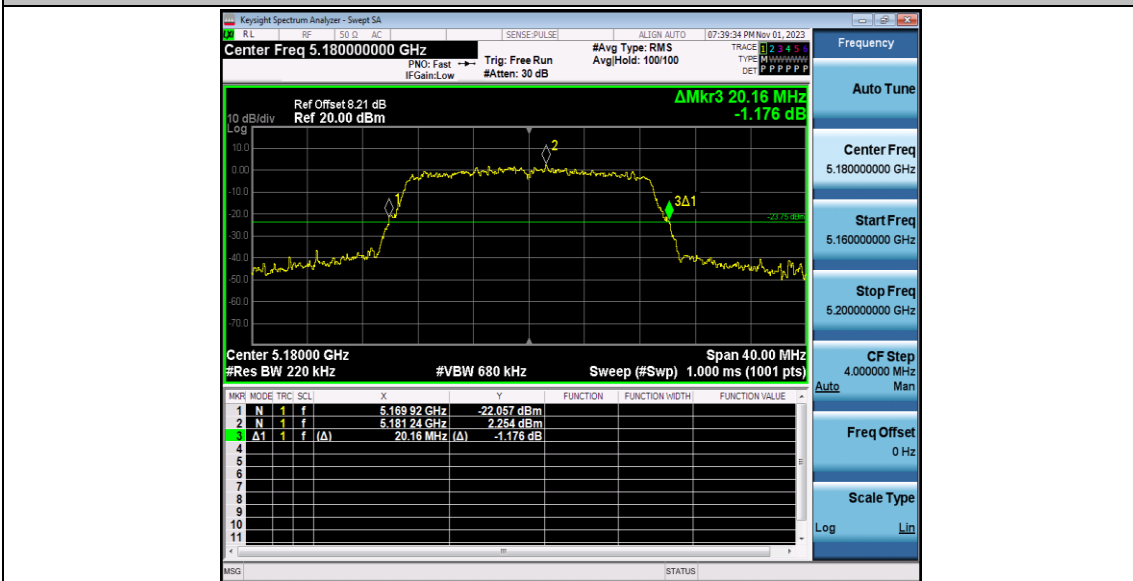
11A_Ant2_5580



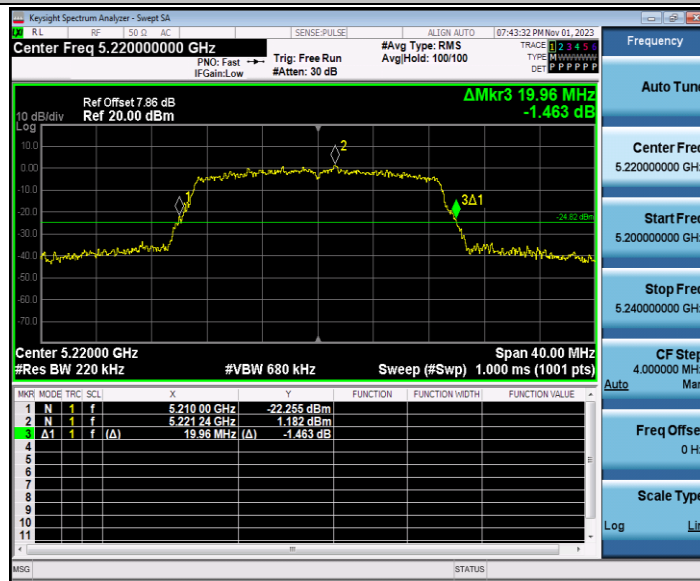
11A_Ant2_5700



11N20SISO_Ant2_5180



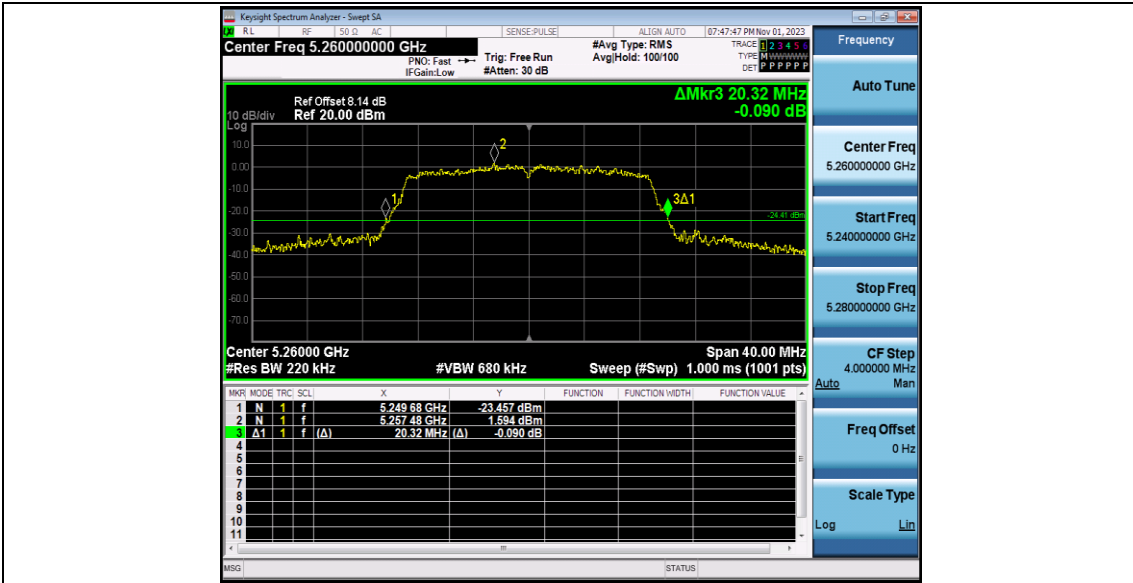
11N20SISO_Ant2_5220



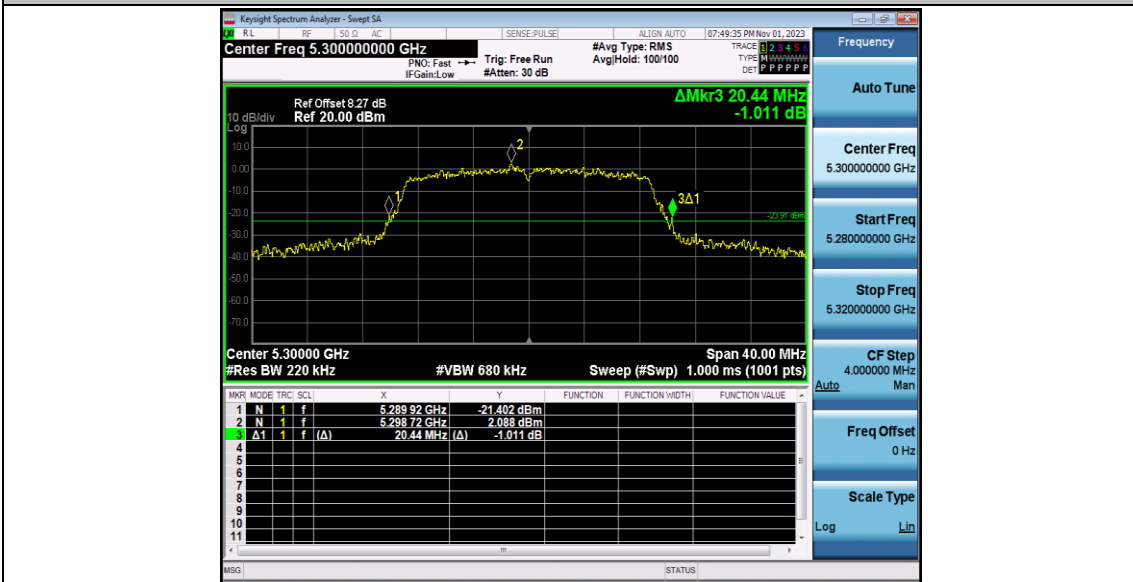
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11N20SISO_Ant2_5260



11N20SISO_Ant2_5300



11N20SISO_Ant2_5320



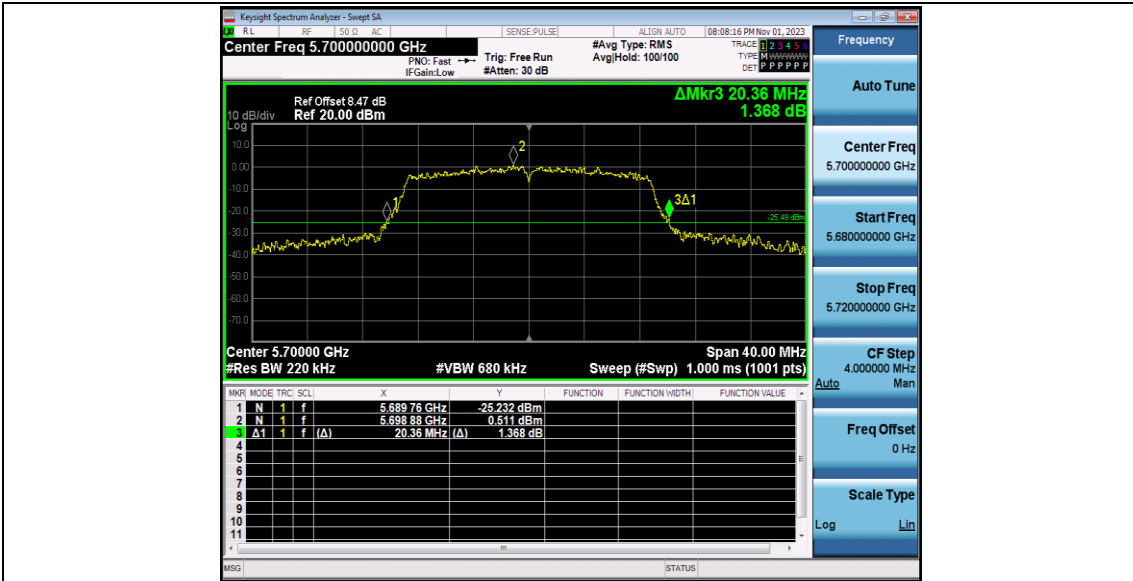
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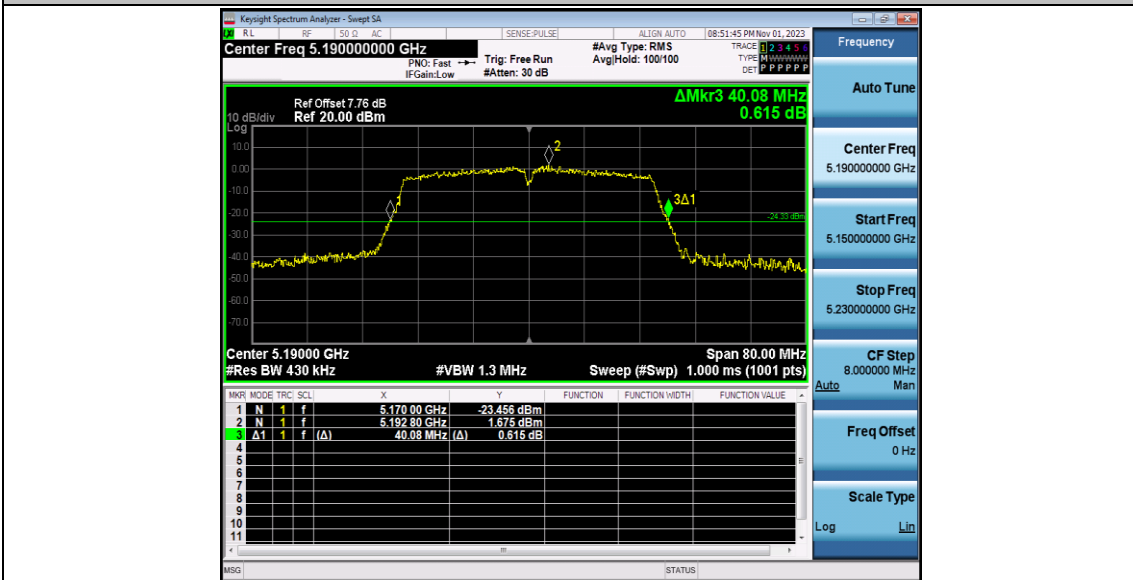
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11N20SISO_Ant2_5700



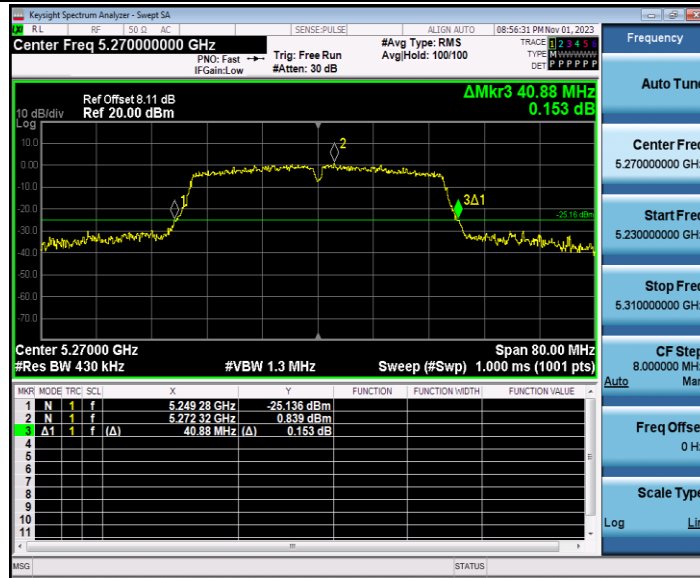
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



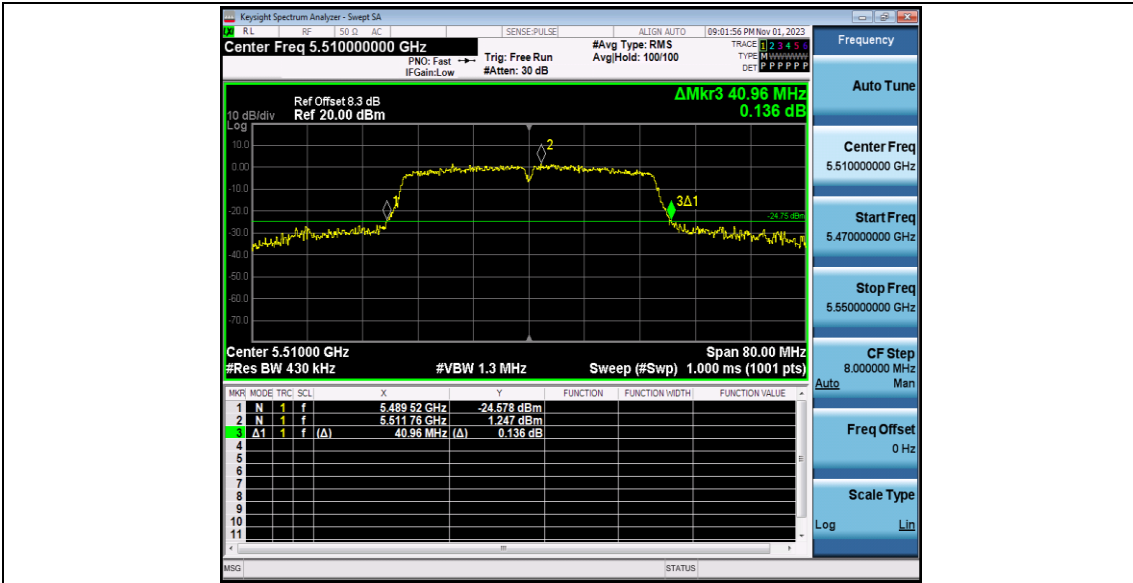
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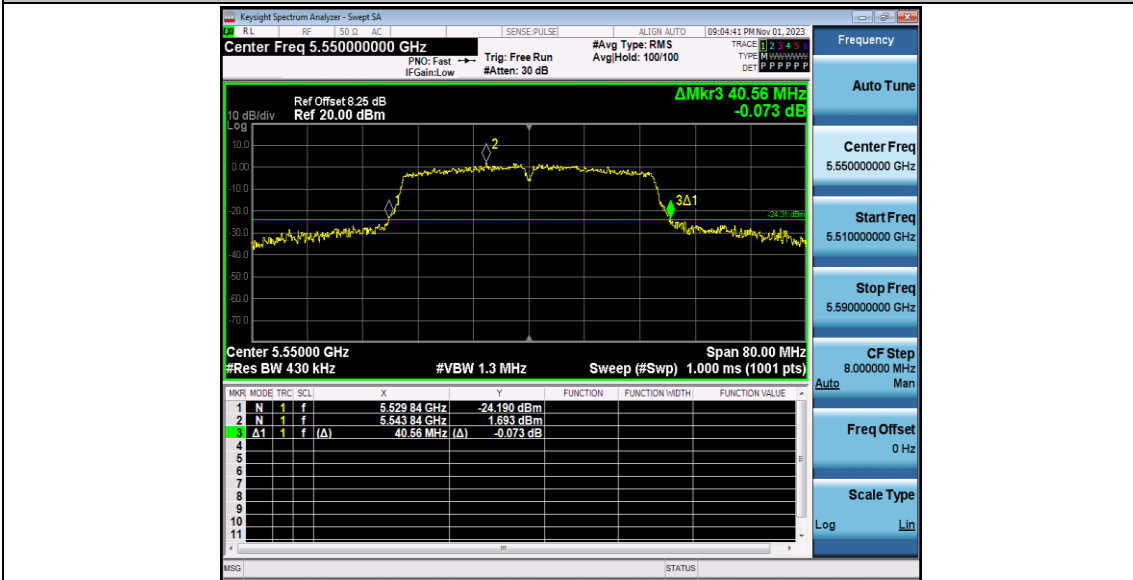
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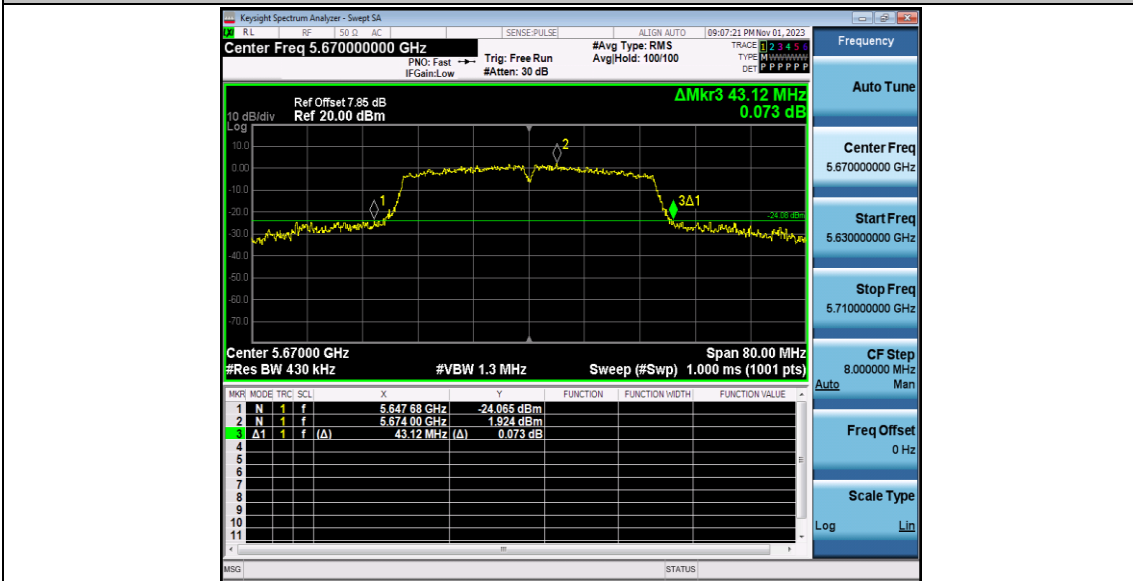
11N40SISO_Ant2_5510



11N40SISO_Ant2_5550



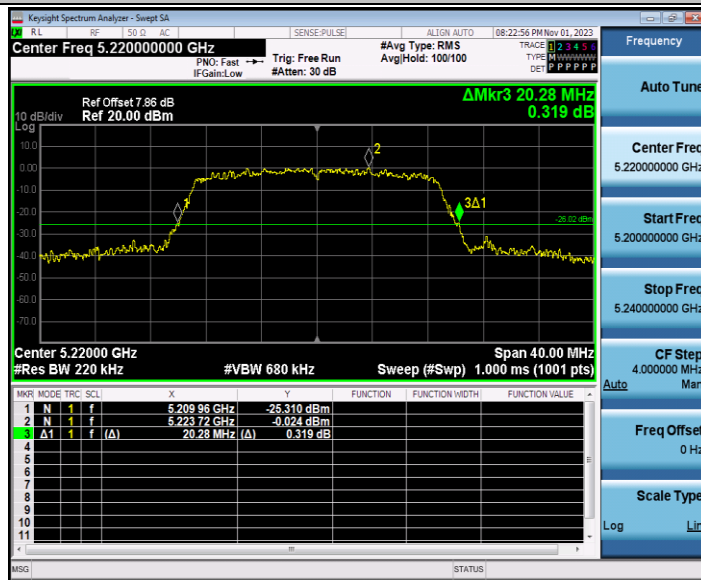
11N40SISO_Ant2_5670



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5220



11AC20SISO_Ant2_5240



11AC20SISO_Ant2_5260



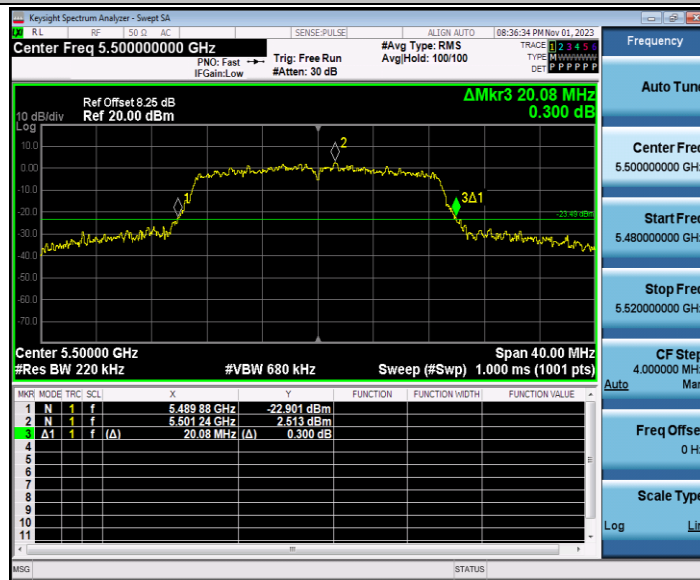
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11AC20SISO_Ant2_5320



11AC20SISO_Ant2_5500



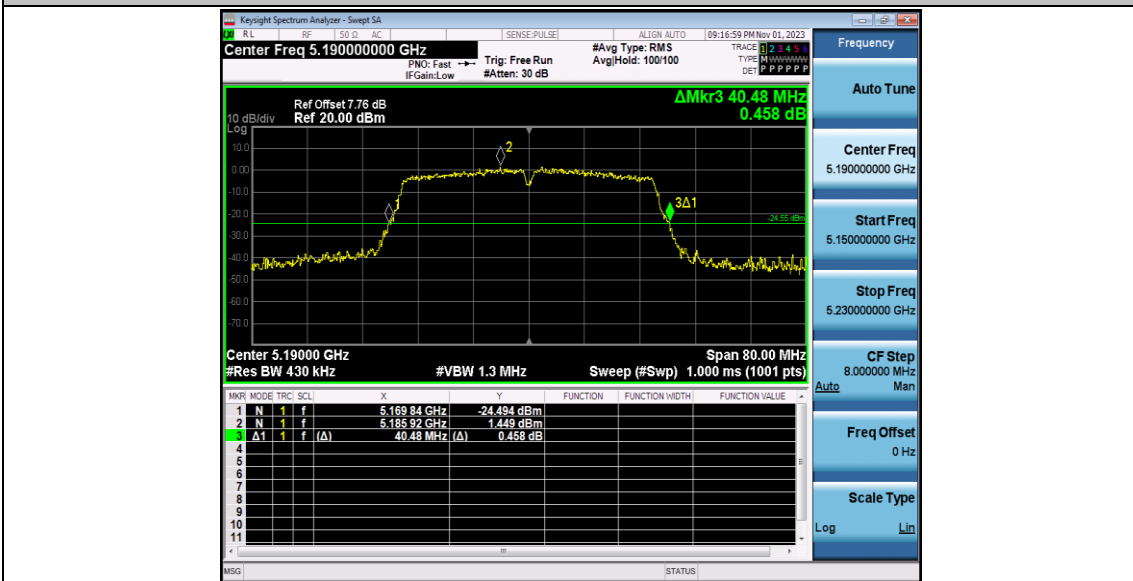
11AC20SISO_Ant2_5580



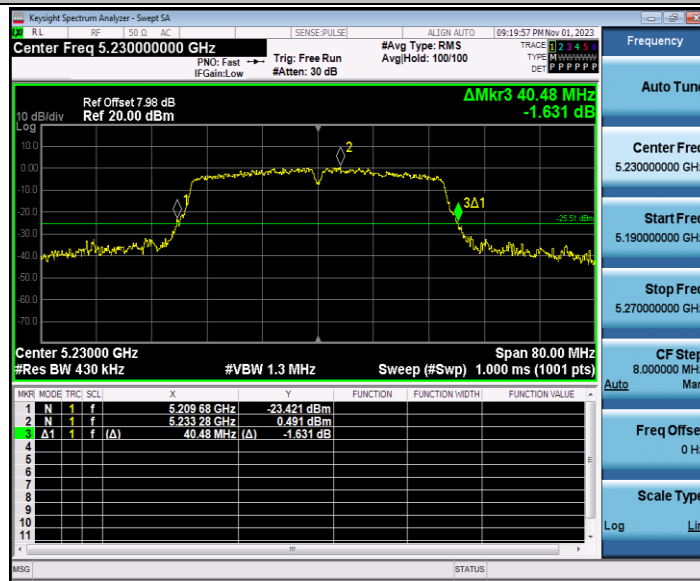
11AC20SISO_Ant2_5700



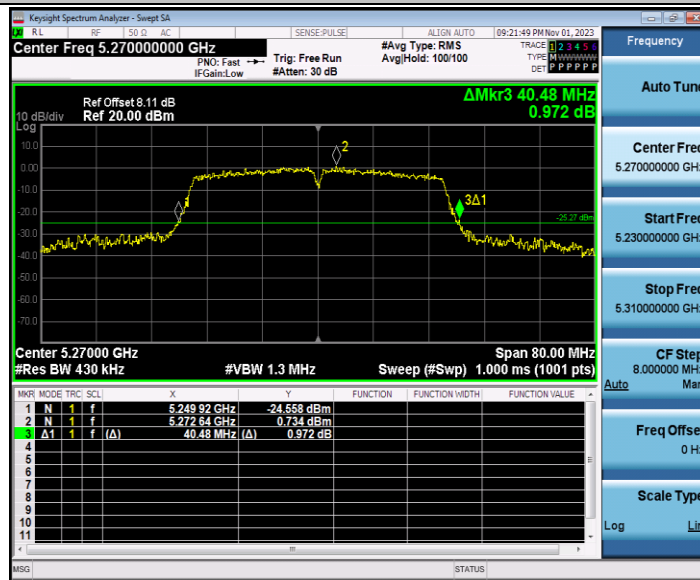
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



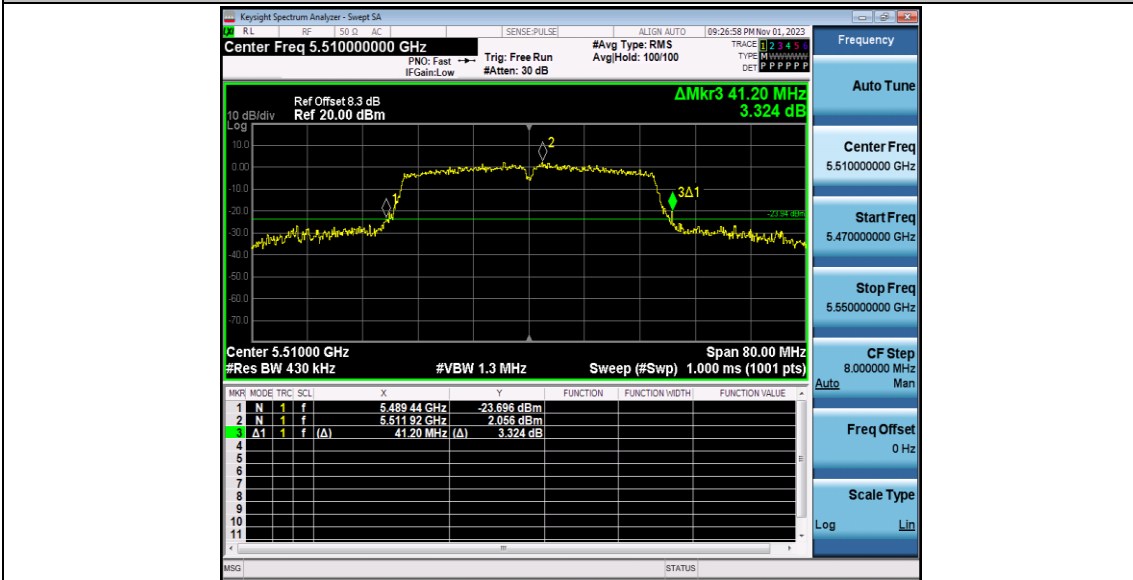
11AC40SISO_Ant2_5270



11AC40SISO_Ant2_5310



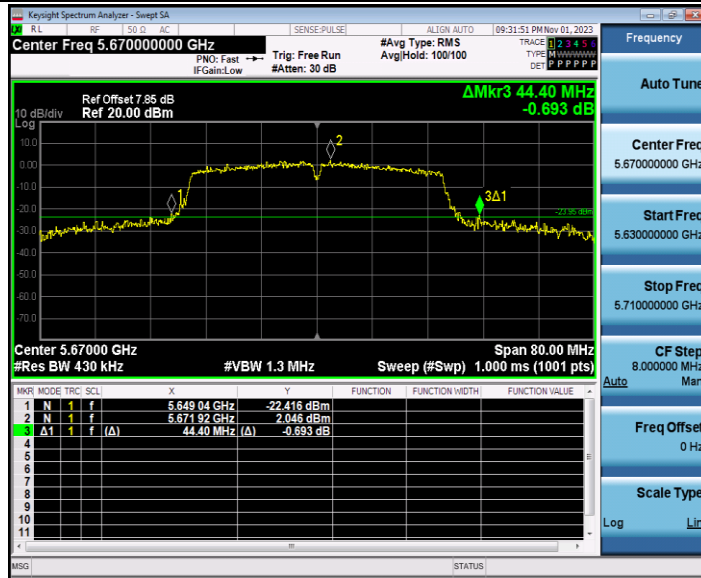
11AC40SISO_Ant2_5510



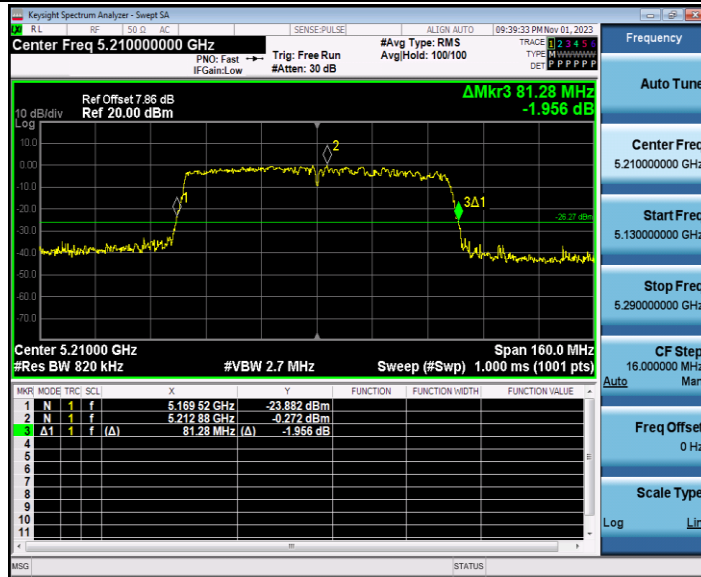
11AC40SISO_Ant2_5550



11AC40SISO_Ant2_5670



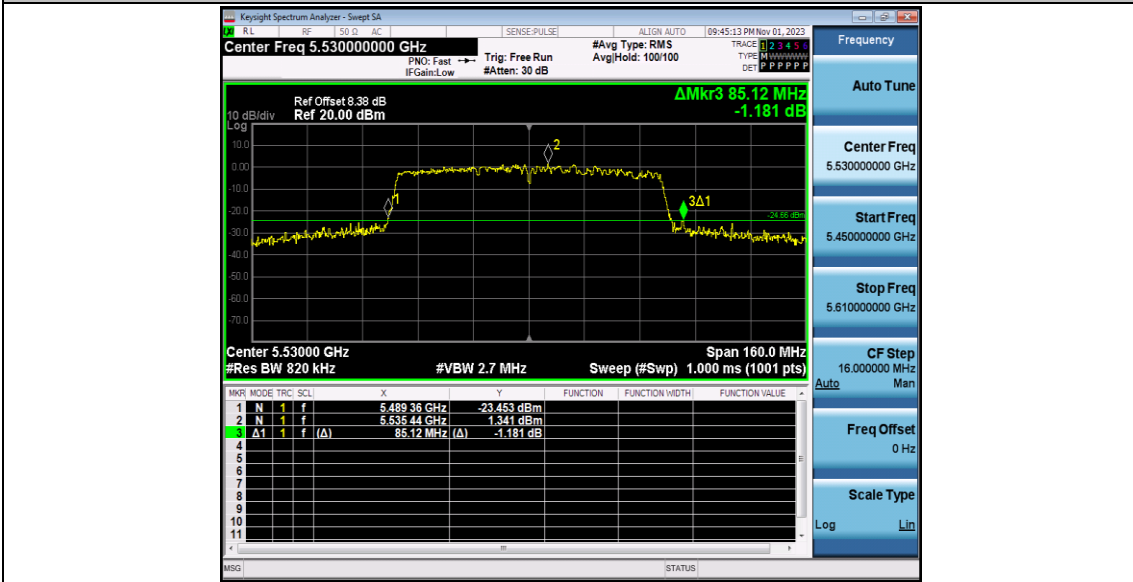
11AC80SISO_Ant2_5210



11AC80SISO_Ant2_5290



11AC80SISO_Ant2_5530



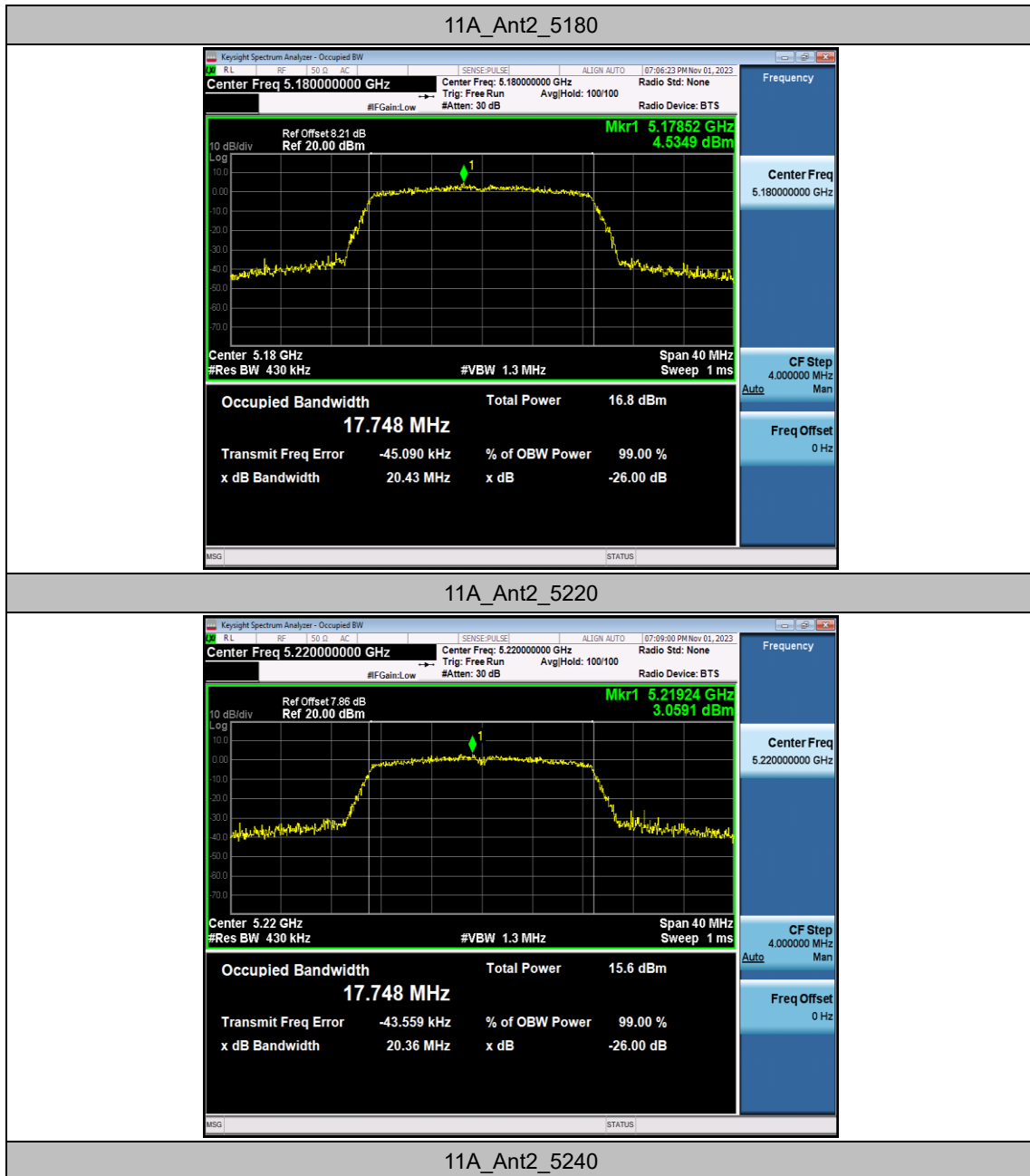
Appendix A2: Occupied channel bandwidth

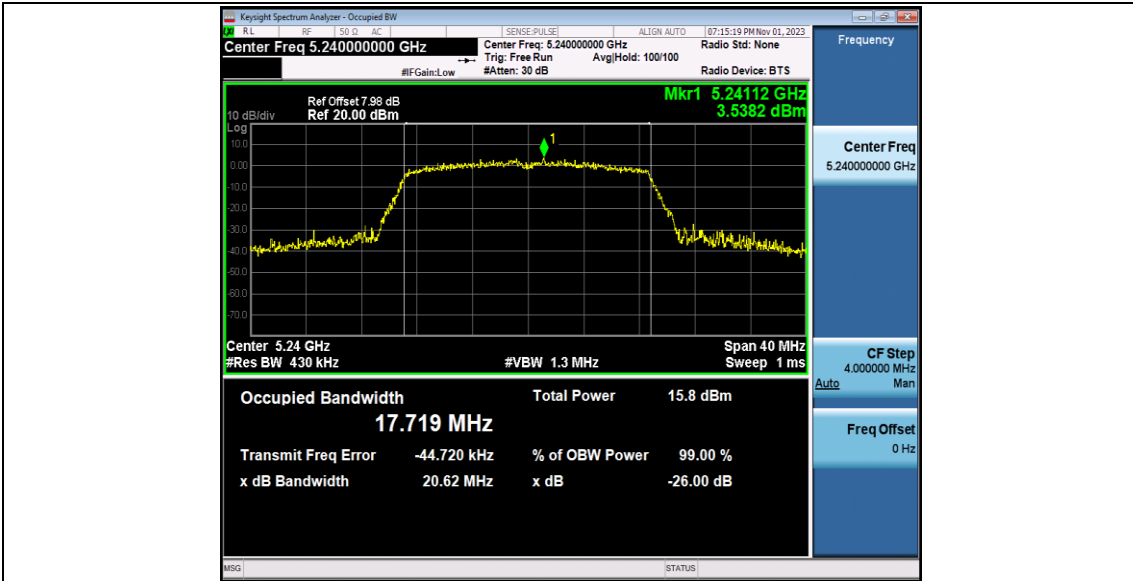
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.748	5171.081	5188.829	---	---
		5220	17.748	5211.082	5228.830	---	---
		5240	17.719	5231.096	5248.815	---	---
		5260	17.786	5251.101	5268.887	---	---
		5300	17.778	5291.099	5308.877	---	---
		5320	17.816	5311.037	5328.853	---	---
		5500	17.847	5491.056	5508.903	---	---
		5580	17.820	5571.066	5588.886	---	---
		5700	17.801	5691.081	5708.882	---	---
		5745	17.832	5736.091	5753.923	---	---
		5785	17.793	5776.081	5793.874	---	---
		5825	17.963	5816.023	5833.986	---	---
11N20SISO	Ant2	5180	17.754	5171.084	5188.838	---	---
		5220	17.771	5211.079	5228.850	---	---
		5240	17.781	5231.101	5248.882	---	---
		5260	17.759	5251.087	5268.846	---	---
		5300	17.787	5291.086	5308.873	---	---
		5320	17.752	5311.078	5328.830	---	---
		5500	17.795	5491.086	5508.881	---	---
		5580	17.784	5571.081	5588.865	---	---
		5700	17.752	5691.102	5708.854	---	---
		5745	17.842	5736.073	5753.915	---	---
		5785	17.799	5776.087	5793.886	---	---
		5825	17.919	5816.050	5833.969	---	---
11N40SISO	Ant2	5190	36.021	5172.029	5208.050	---	---
		5230	36.051	5211.984	5248.035	---	---
		5270	36.204	5251.891	5288.095	---	---
		5310	36.130	5291.950	5328.080	---	---
		5510	36.307	5491.876	5528.183	---	---
		5550	36.257	5531.896	5568.153	---	---
		5670	36.344	5651.771	5688.115	---	---
		5755	36.146	5737.017	5773.163	---	---
		5795	36.344	5776.803	5813.147	---	---
11AC20SISO	Ant2	5180	17.849	5171.049	5188.898	---	---
		5220	17.766	5211.101	5228.867	---	---
		5240	17.737	5231.114	5248.851	---	---
		5260	17.786	5251.062	5268.848	---	---

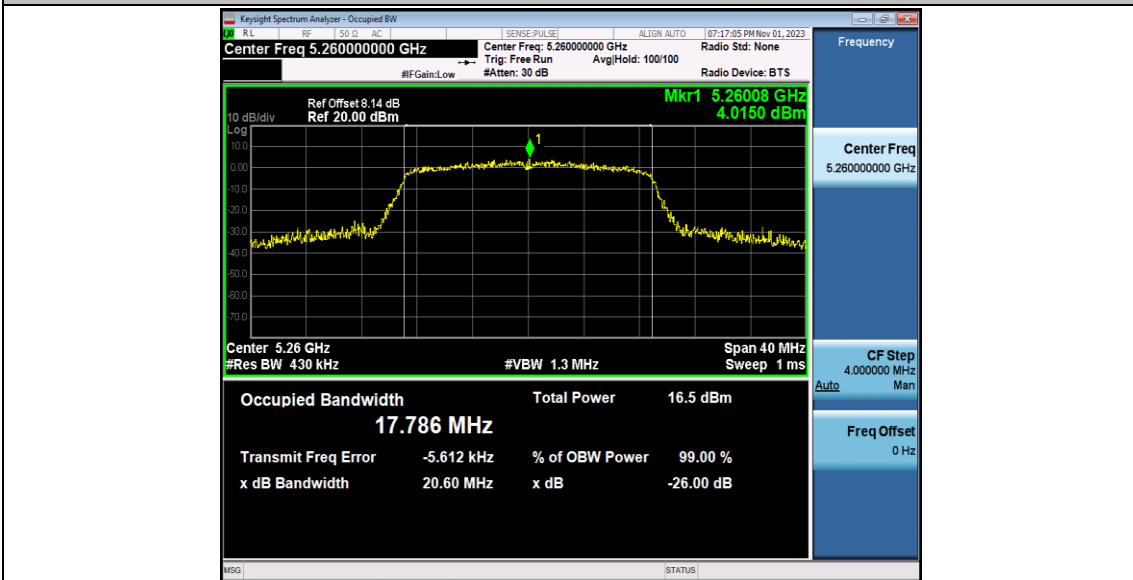
		5300	17.807	5291.091	5308.898	---	---
		5320	17.800	5311.042	5328.842	---	---
		5500	17.849	5491.028	5508.877	---	---
		5580	17.813	5571.064	5588.877	---	---
		5700	17.823	5691.094	5708.917	---	---
		5745	17.850	5736.065	5753.915	---	---
		5785	17.838	5776.068	5793.906	---	---
		5825	18.022	5816.011	5834.033	---	---
11AC40SISO	Ant2	5190	36.072	5171.939	5208.011	---	---
		5230	36.057	5211.994	5248.051	---	---
		5270	36.101	5251.954	5288.055	---	---
		5310	36.247	5291.873	5328.120	---	---
		5510	36.300	5491.913	5528.213	---	---
		5550	36.227	5531.924	5568.151	---	---
		5670	36.244	5651.867	5688.111	---	---
		5755	36.232	5736.965	5773.197	---	---
		5795	36.211	5776.909	5813.120	---	---
11AC80SISO	Ant2	5210	75.332	5172.258	5247.590	---	---
		5290	75.481	5252.243	5327.724	---	---
		5530	75.710	5492.168	5567.878	---	---
		5775	75.726	5737.308	5813.034	---	---

Test Graphs

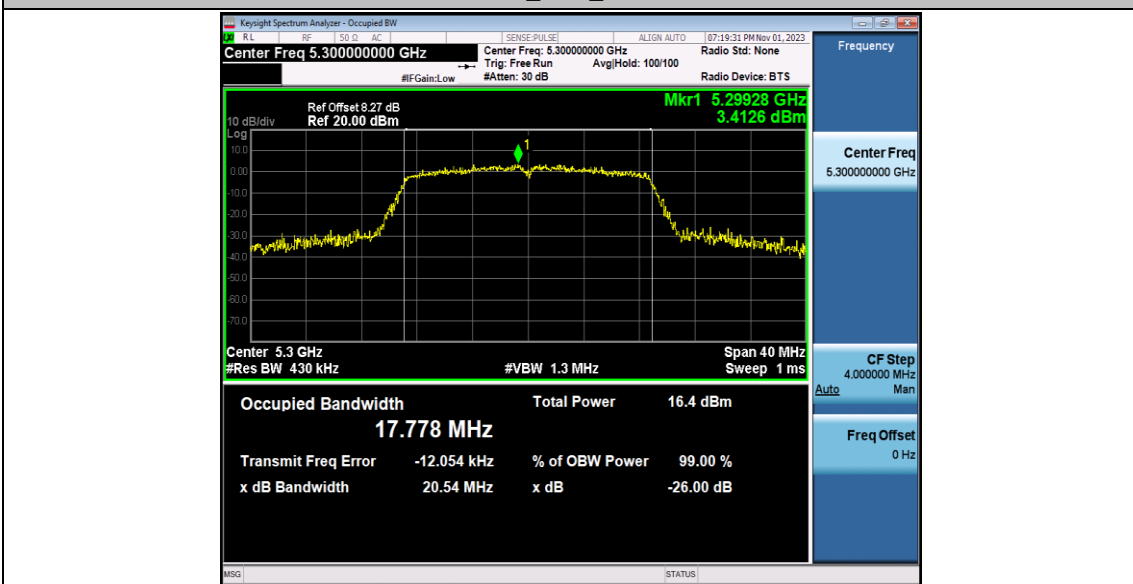




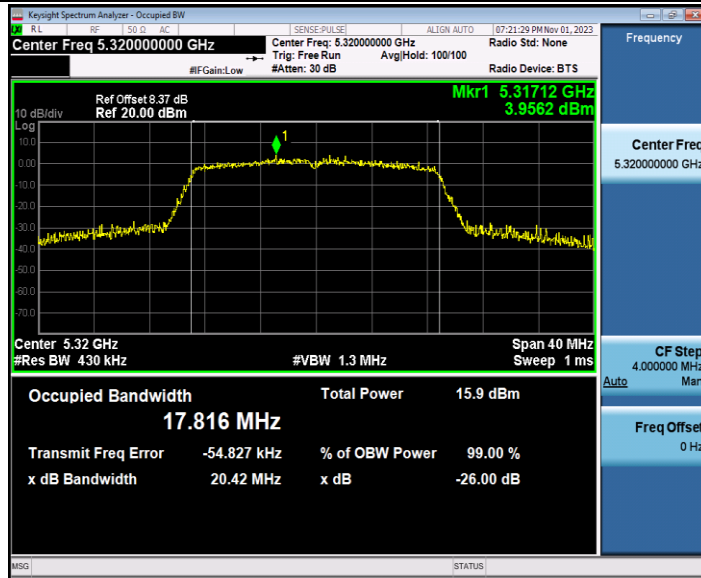
11A_Ant2_5260



11A_Ant2_5300



11A_Ant2_5320



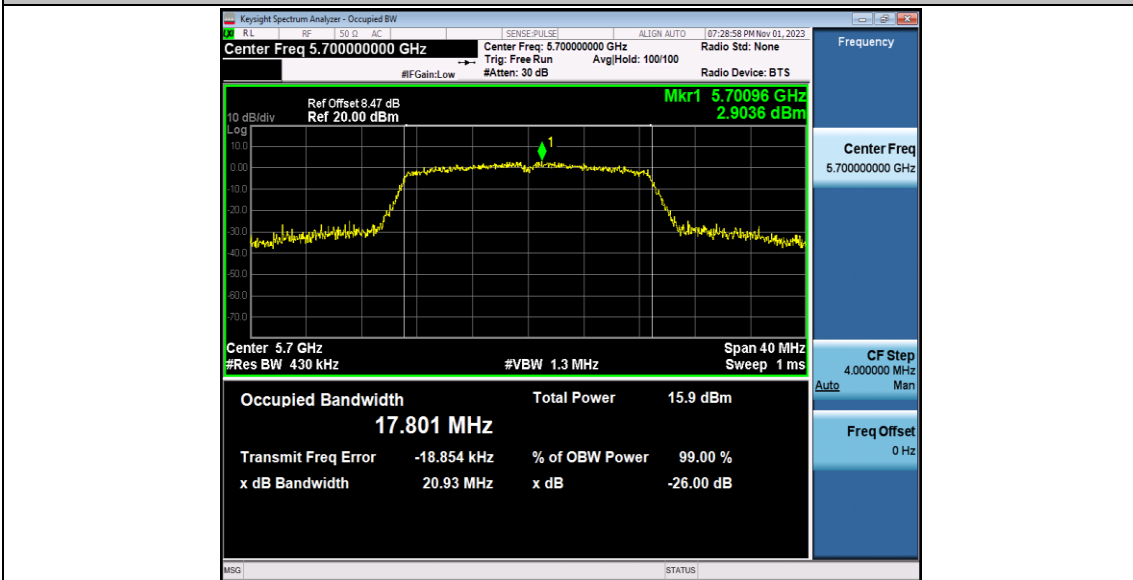
11A_Ant2_5500



11A_Ant2_5580



11A_Ant2_5700



11A_Ant2_5745

