

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BP5V-ZK401

Company : Dong Guan Zhen Ke Technology Co., LTD

EUT : Weather Station

Model Number : WS-SA68-PLUS

Report No. : CTA26082701003

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.720	5168.720	5191.440	---	---
		5200	23.480	5188.160	5211.640	---	---
		5240	23.120	5228.360	5251.480	---	---
		5260	23.920	5248.000	5271.920	---	---
		5280	23.280	5268.360	5291.640	---	---
		5320	23.360	5308.320	5331.680	---	---
		5500	23.000	5488.560	5511.560	---	---
		5580	23.200	5568.880	5592.080	---	---
		5700	23.720	5688.360	5712.080	---	---
		5745	23.840	5732.960	5756.800	---	---
		5785	23.680	5773.080	5796.760	---	---
		5825	24.640	5812.480	5837.120	---	---
11N20SISO	Ant1	5180	24.800	5167.960	5192.760	---	---
		5200	23.880	5188.200	5212.080	---	---
		5240	23.920	5228.240	5252.160	---	---
		5260	23.840	5248.000	5271.840	---	---
		5280	23.000	5268.640	5291.640	---	---
		5320	24.440	5307.360	5331.800	---	---
		5500	24.600	5488.000	5512.600	---	---
		5580	24.000	5567.920	5591.920	---	---
		5700	24.000	5687.840	5711.840	---	---
		5745	24.560	5732.760	5757.320	---	---
		5785	24.120	5773.120	5797.240	---	---
		5825	24.720	5812.800	5837.520	---	---
11N40SISO	Ant1	5190	43.280	5168.480	5211.760	---	---
		5230	43.440	5208.560	5252.000	---	---
		5270	42.960	5248.880	5291.840	---	---
		5310	44.000	5288.080	5332.080	---	---
		5510	44.400	5488.400	5532.800	---	---
		5550	44.320	5528.160	5572.480	---	---
		5670	43.200	5648.640	5691.840	---	---
		5755	45.680	5732.520	5778.200	---	---
		5795	44.800	5773.240	5818.040	---	---

Test Graphs





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_5280



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



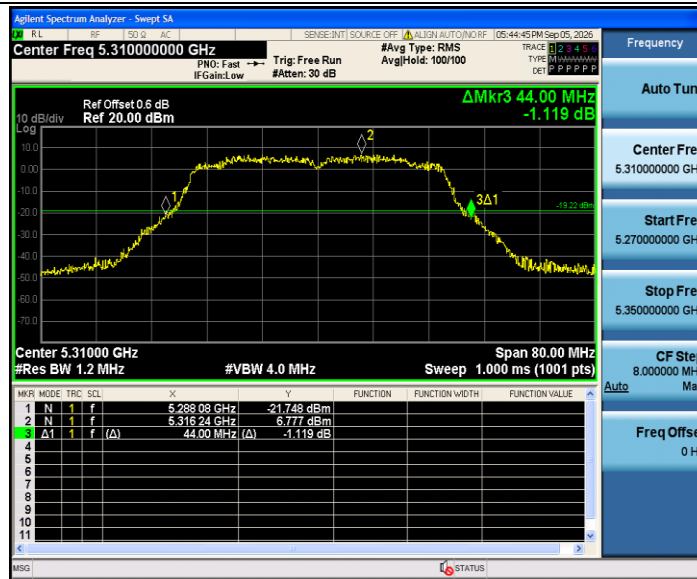
11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



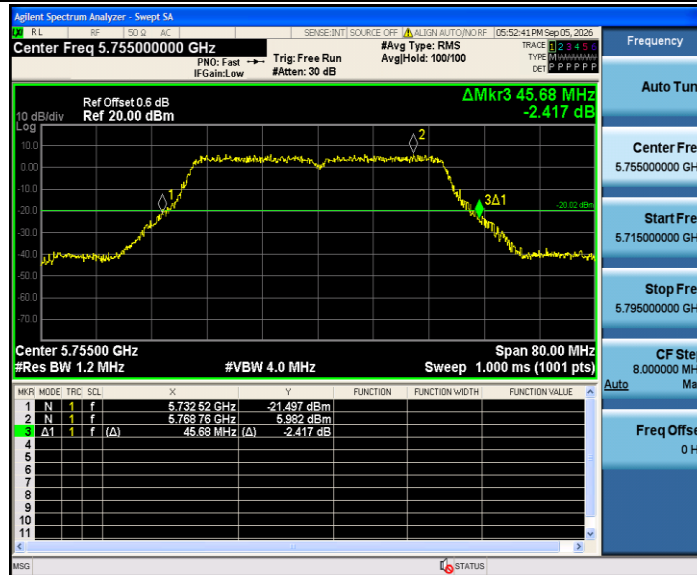
11N40SISO_Ant1_5550



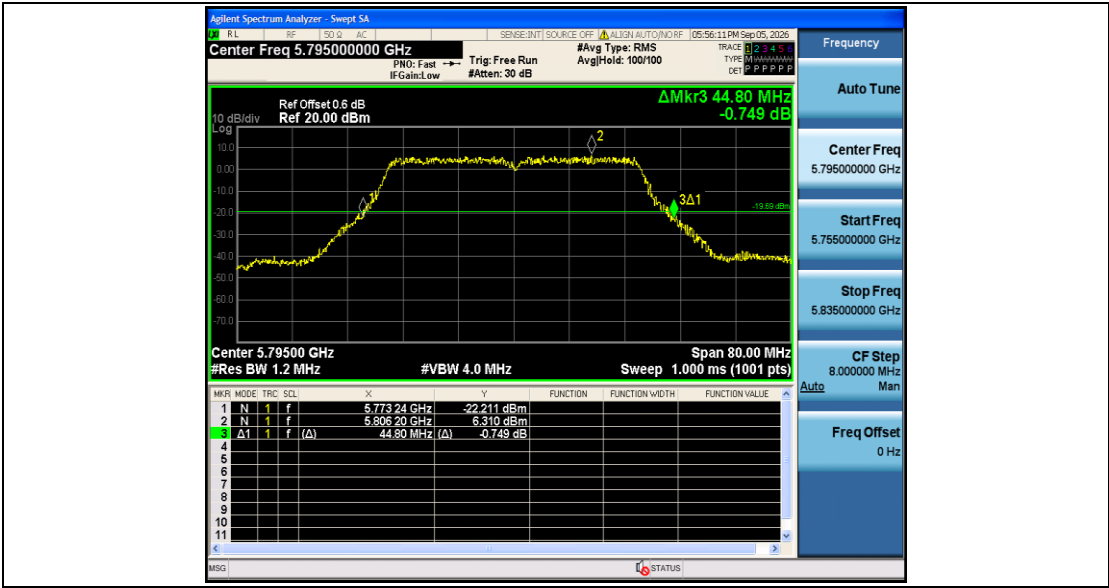
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11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

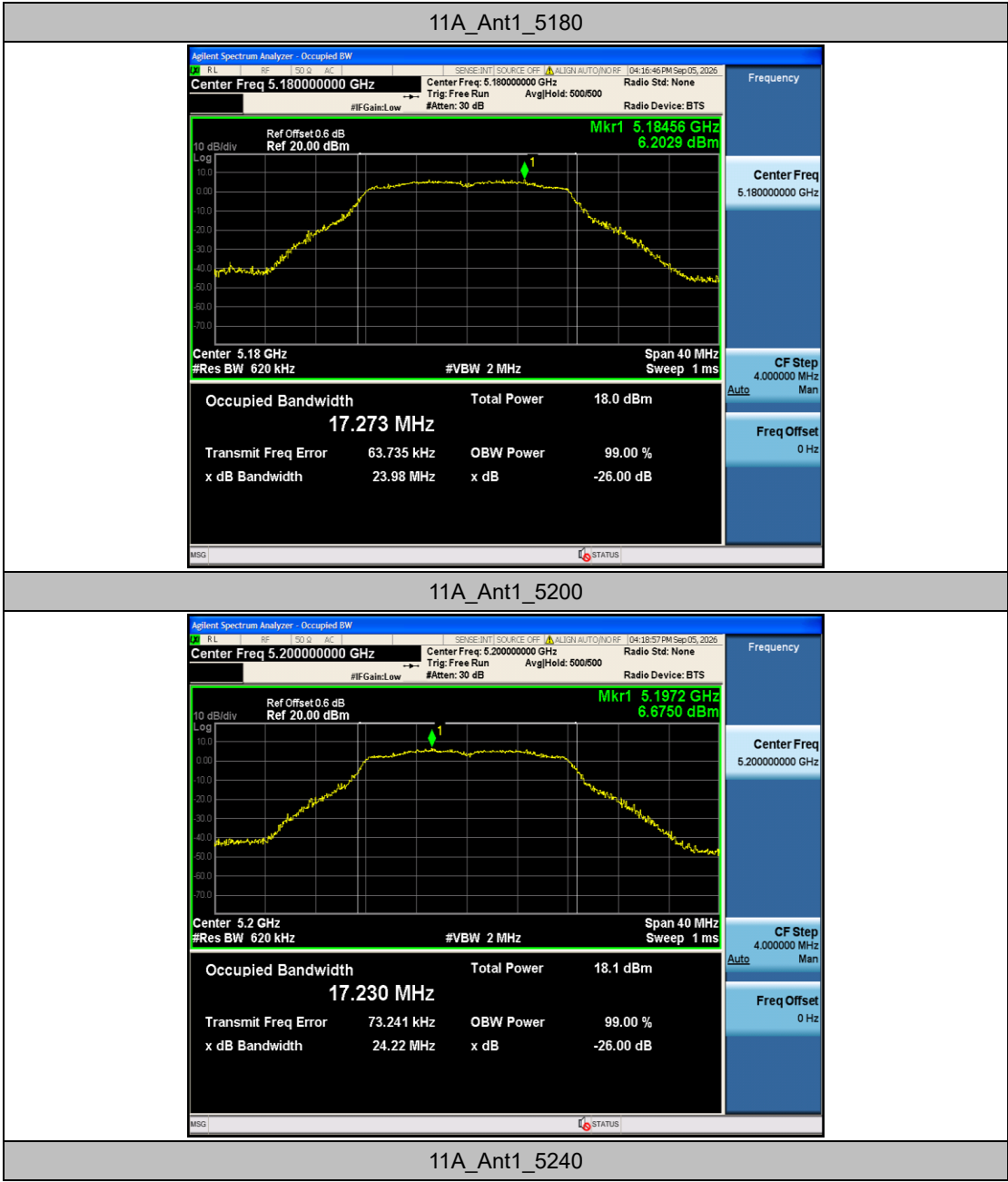


Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.273	5171.4272	5188.7002	---	---
		5200	17.230	5191.4582	5208.6882	---	---
		5240	17.249	5231.3834	5248.6324	---	---
		5260	17.265	5251.3984	5268.6634	---	---
		5280	17.273	5271.4254	5288.6984	---	---
		5320	17.215	5311.4318	5328.6468	---	---
		5500	17.245	5491.4430	5508.6880	---	---
		5580	17.246	5571.4280	5588.6740	---	---
		5700	17.259	5691.3728	5708.6318	---	---
		5745	17.678	5736.1253	5753.8033	---	---
		5785	17.649	5776.1788	5793.8278	---	---
		5825	17.653	5816.1429	5833.7959	---	---
11N20SISO	Ant1	5180	18.279	5170.8929	5189.1719	---	---
		5200	18.293	5190.8744	5209.1674	---	---
		5240	18.279	5230.8665	5249.1455	---	---
		5260	18.229	5250.9032	5269.1322	---	---
		5280	18.233	5270.8641	5289.0971	---	---
		5320	18.281	5310.8719	5329.1529	---	---
		5500	18.257	5490.9438	5509.2008	---	---
		5580	18.255	5570.8976	5589.1526	---	---
		5700	18.267	5690.8578	5709.1248	---	---
		5745	18.628	5735.6574	5754.2854	---	---
		5785	18.680	5775.6646	5794.3446	---	---
		5825	18.738	5815.5866	5834.3246	---	---
11N40SISO	Ant1	5190	36.286	5171.9218	5208.2078	---	---
		5230	36.260	5211.9201	5248.1801	---	---
		5270	36.274	5251.9320	5288.2060	---	---
		5310	36.320	5291.9341	5328.2541	---	---
		5510	36.326	5491.9633	5528.2893	---	---
		5550	36.262	5531.9696	5568.2316	---	---
		5670	36.269	5651.9437	5688.2127	---	---
		5755	36.967	5736.6405	5773.6075	---	---
		5795	36.955	5776.6221	5813.5771	---	---

Test Graphs

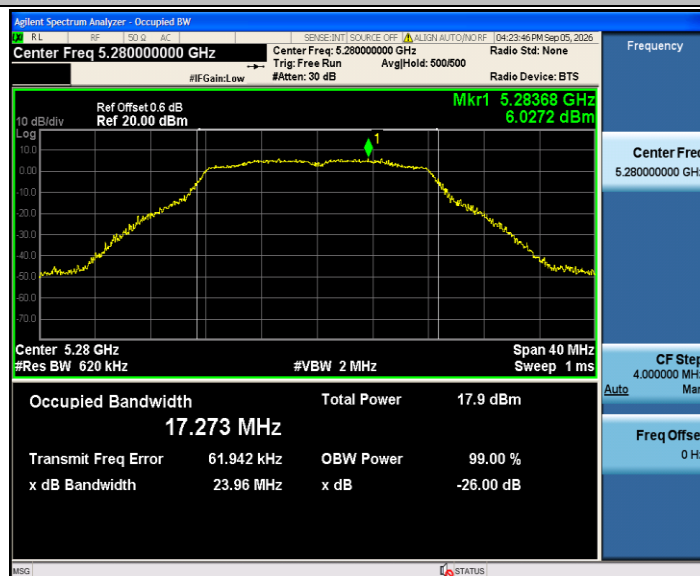




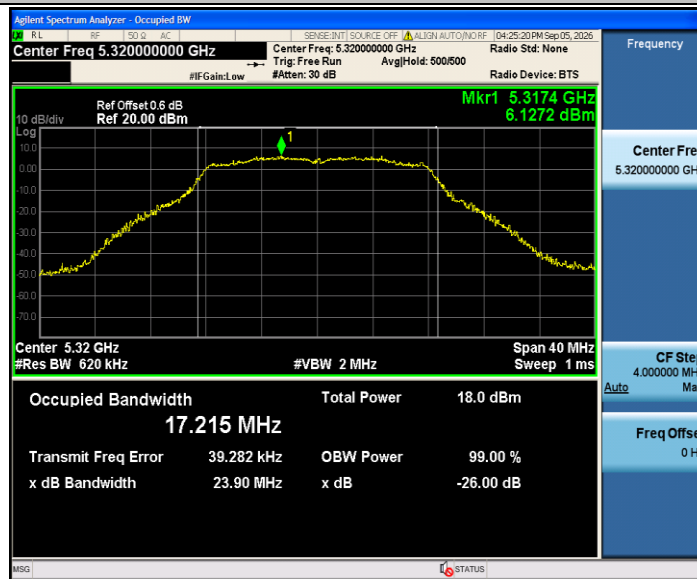
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



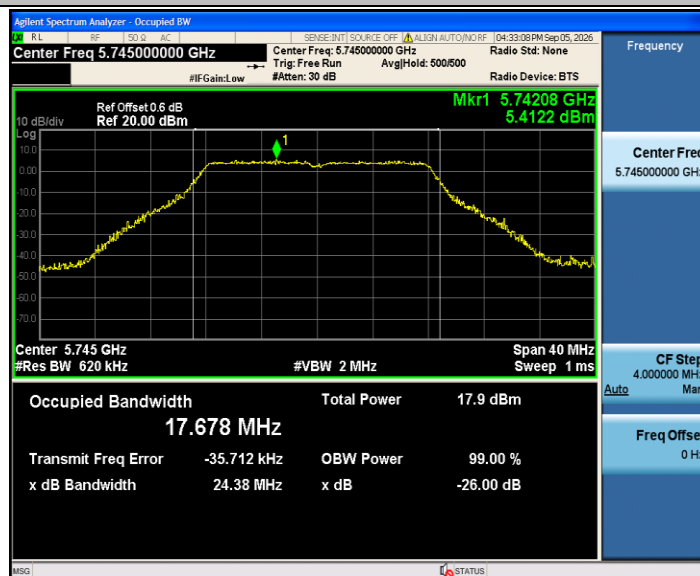
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11A_Ant1_5700



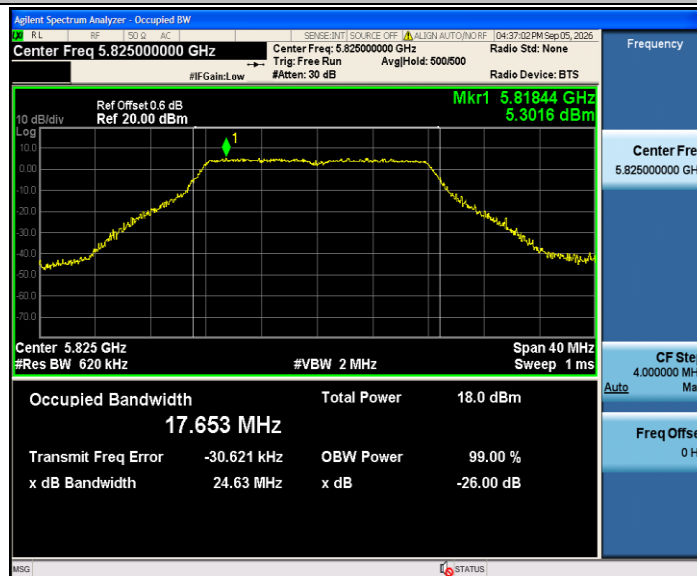
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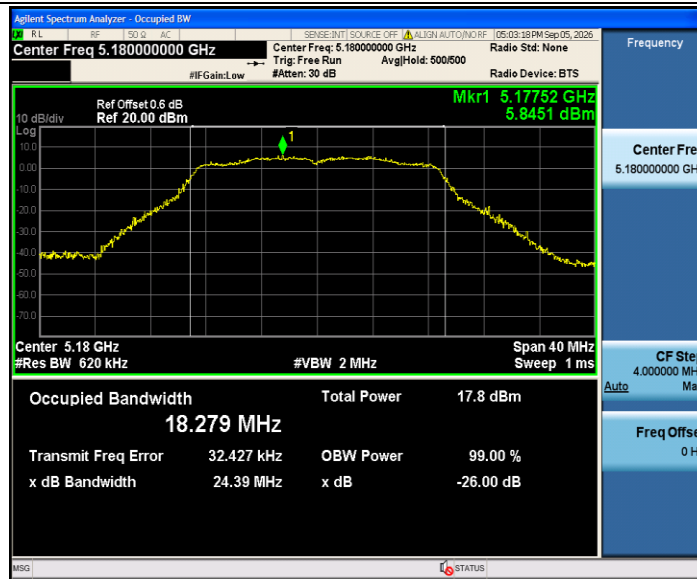
11A_Ant1_5785



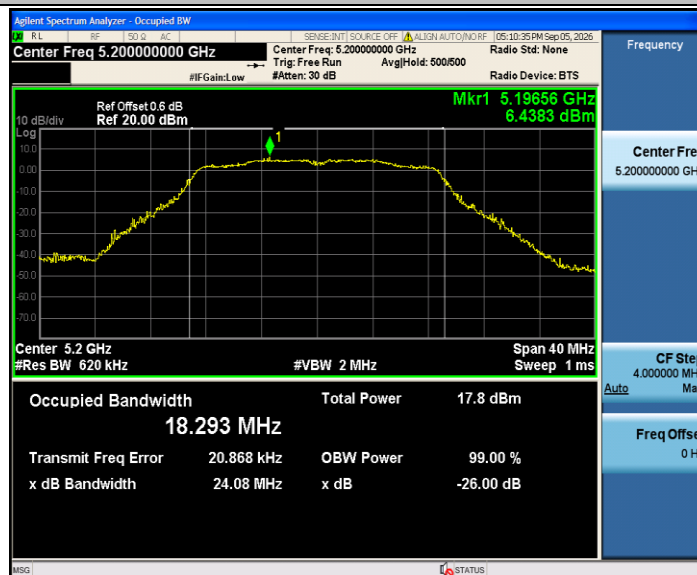
11A_Ant1_5825



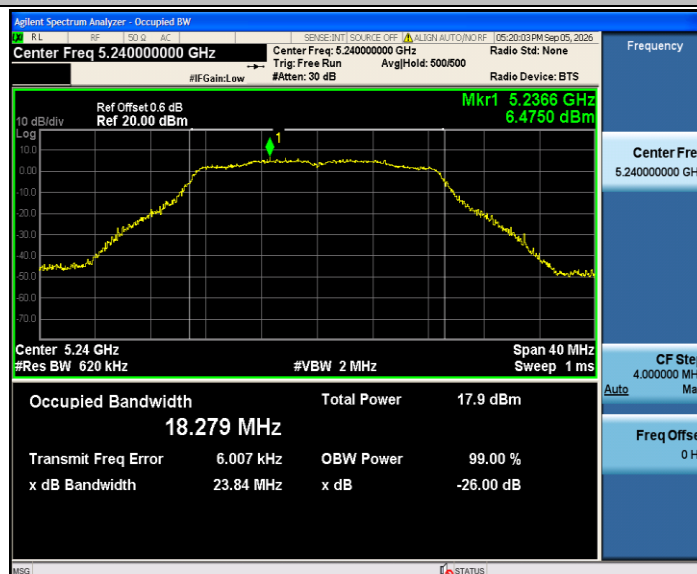
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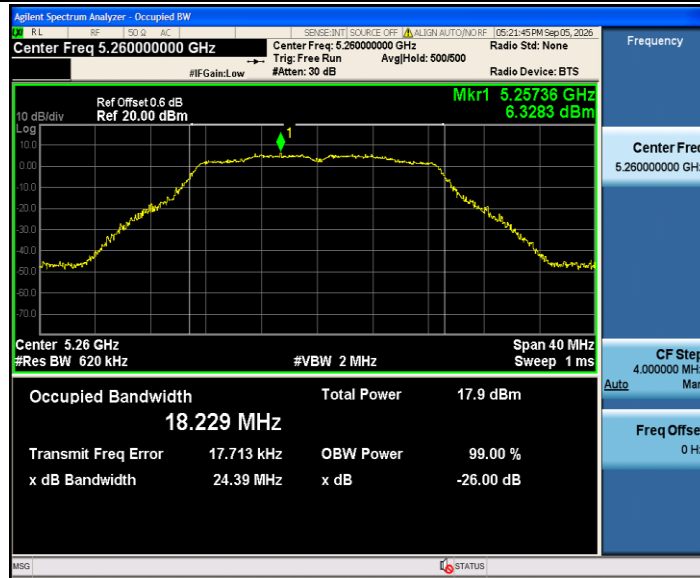
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



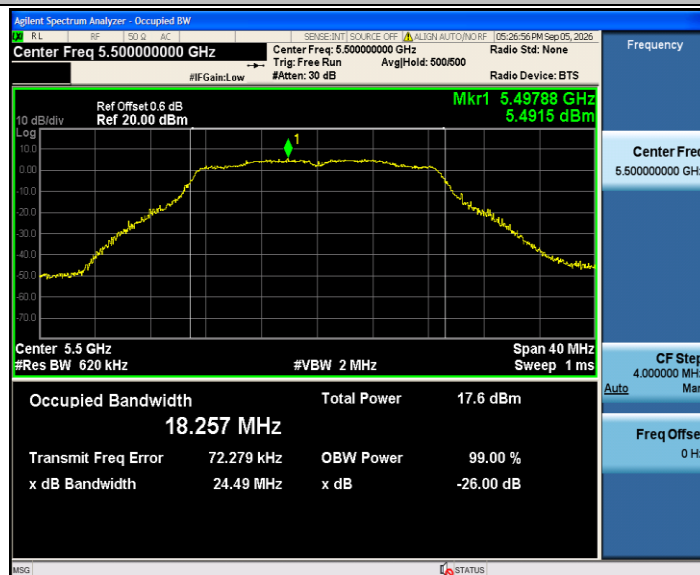
11N20SISO_Ant1_5280



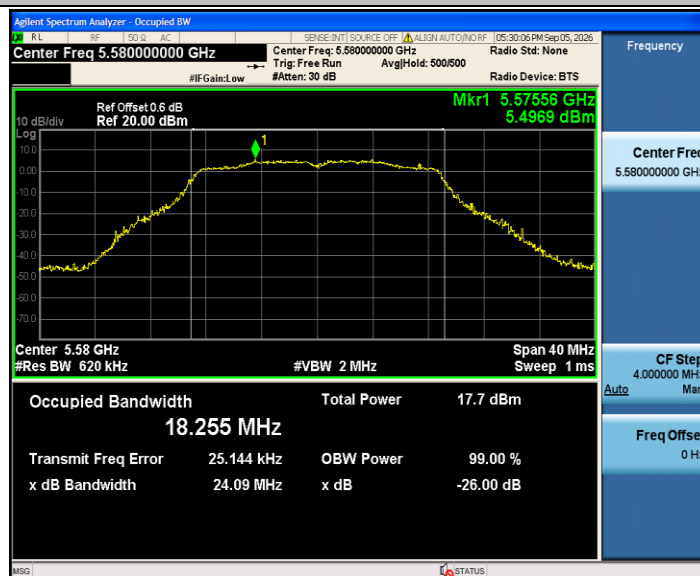
11N20SISO_Ant1_5320



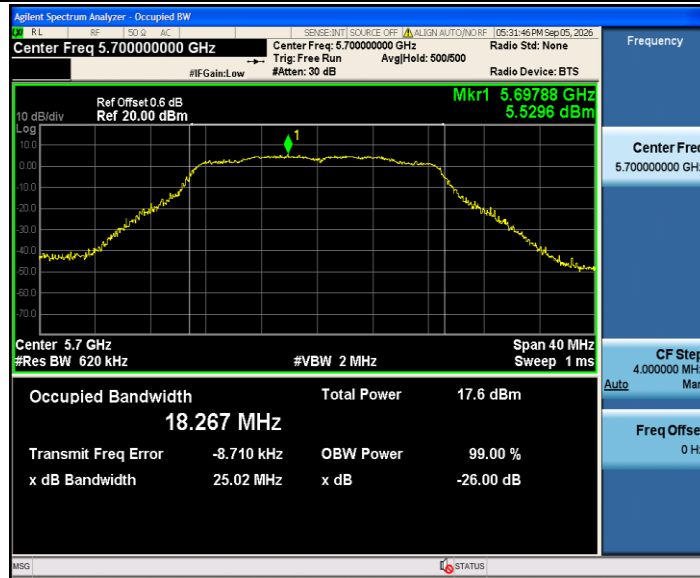
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11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



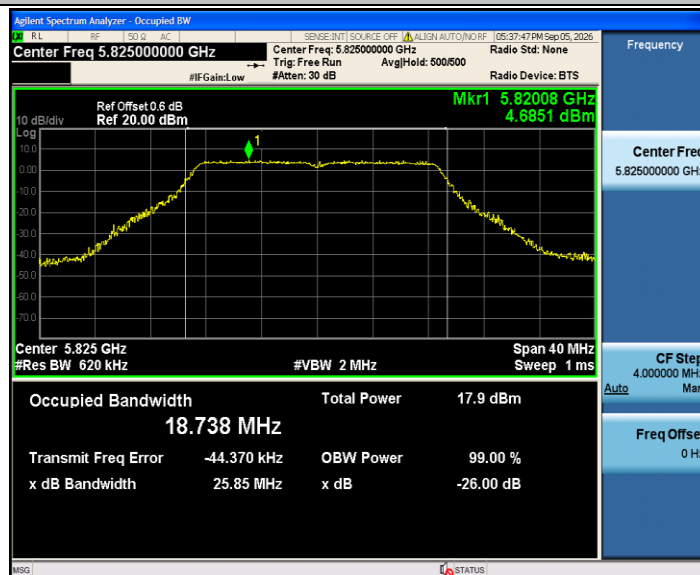
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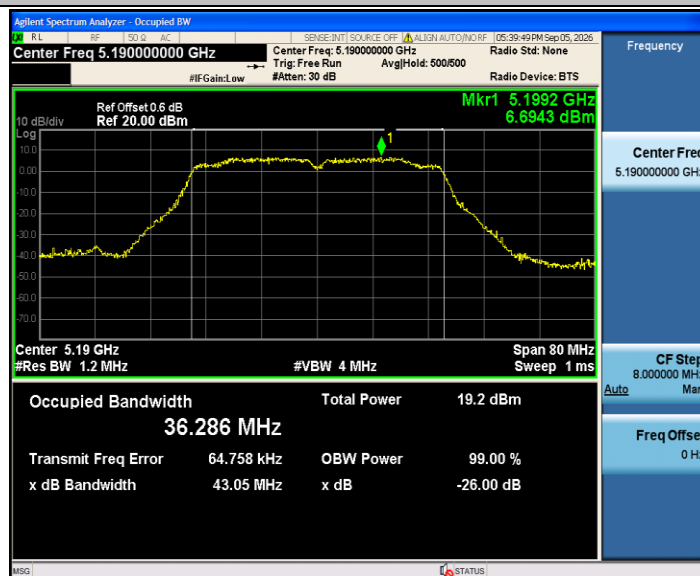
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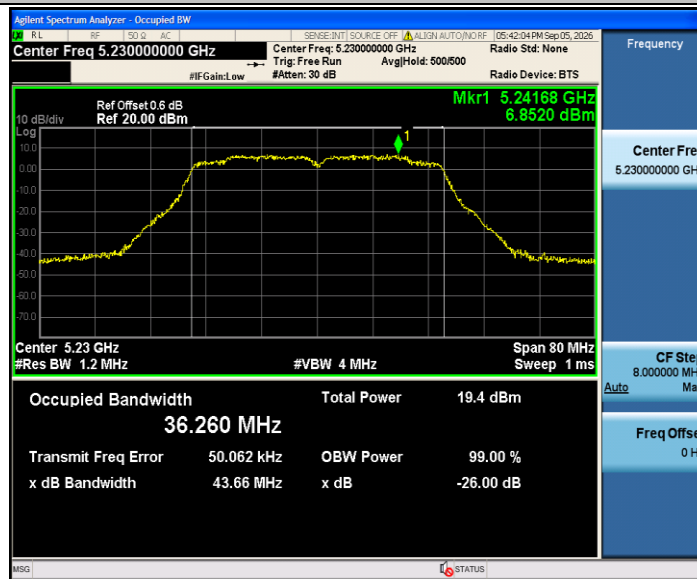
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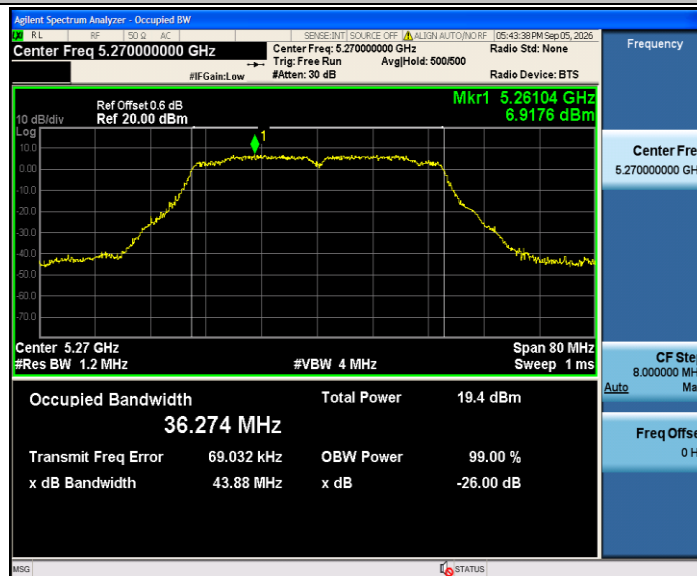
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11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



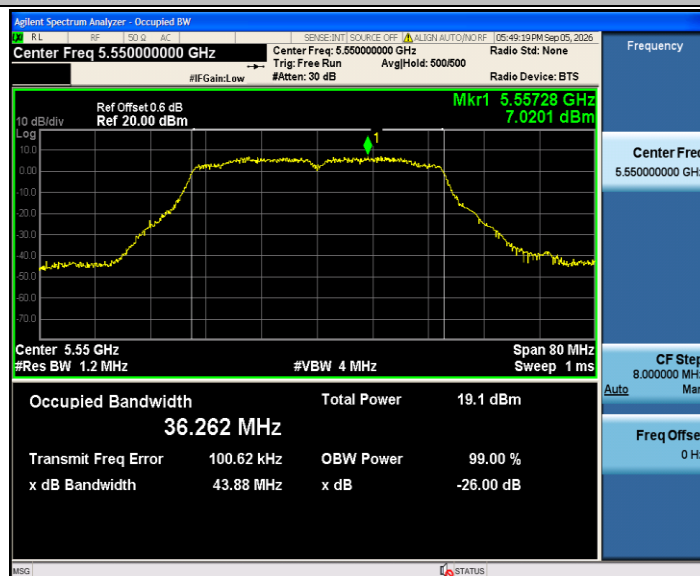
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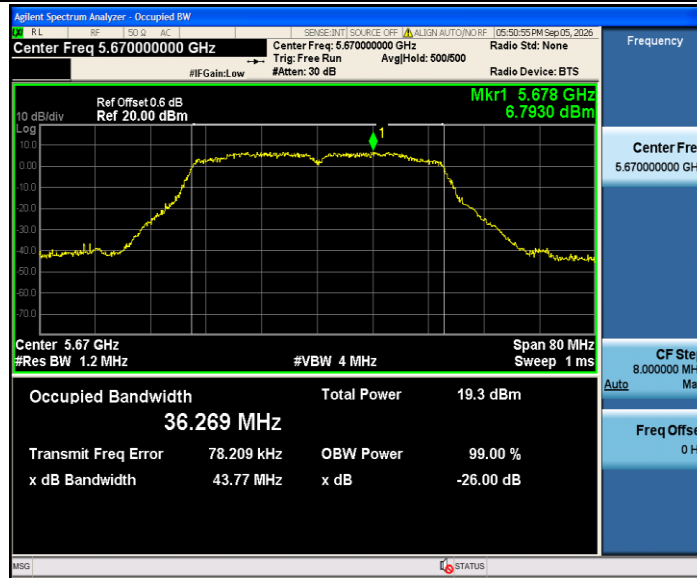
11N40SISO_Ant1_5510



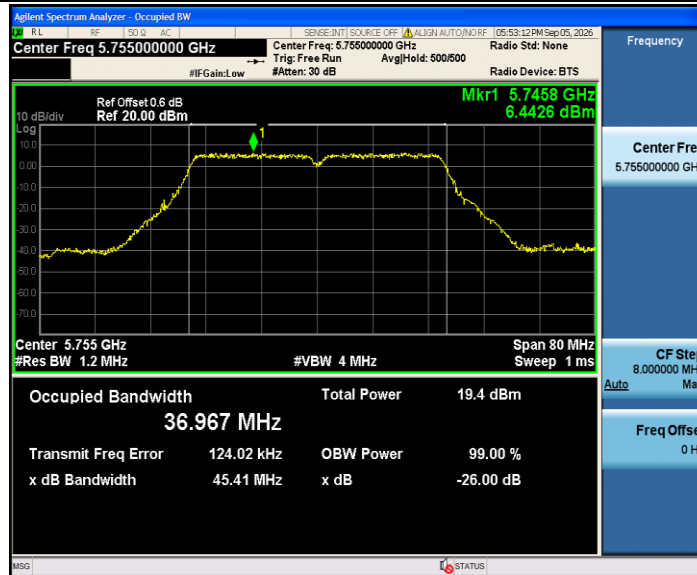
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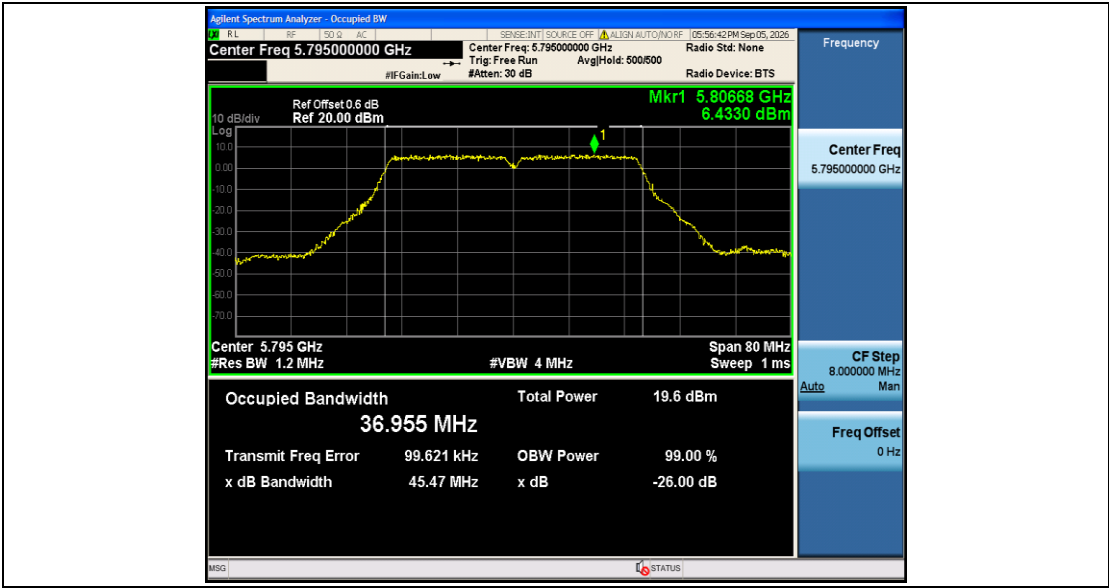
11N40SISO_Ant1_5670



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.520	5736.280	5753.800	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.080	5736.840	5772.920	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS