

FCC Appendix RF Test Data

FCC ID : 2ATOW-TD-94X1

Company: : SHENZHEN TVT DIGITAL TECHNOLOGY CO.,LTD.

EUT : IP CAMERA

Model Number : TD-9451S4-C

Report No. : CTA25042801202

Reviewed By : Eric Wang

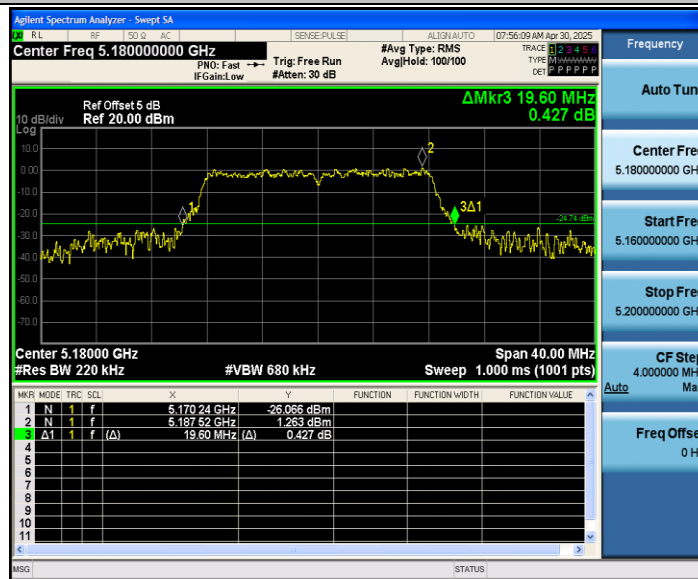
Appendix A1: Emission Bandwidth

Test Result

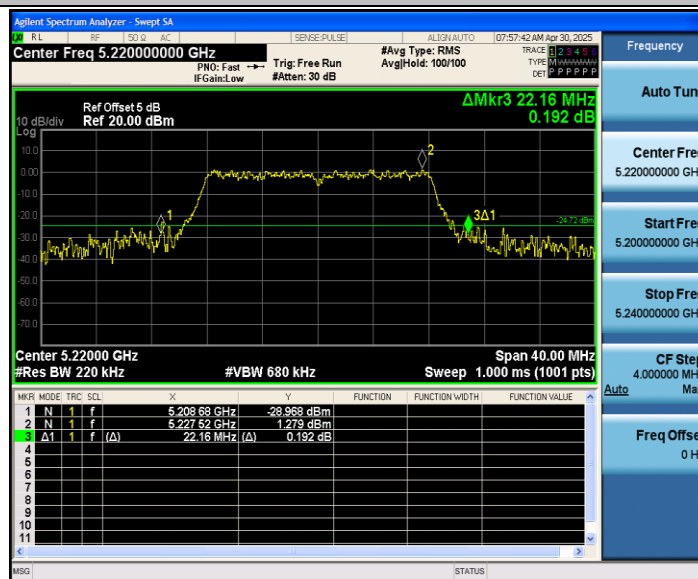
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.600	5170.240	5189.840	---	---
		5220	22.160	5208.680	5230.840	---	---
		5240	21.520	5230.320	5251.840	---	---
		5745	28.680	5731.760	5760.440	---	---
		5785	23.640	5772.600	5796.240	---	---
		5825	24.200	5813.400	5837.600	---	---
11N20SISO	Ant1	5180	25.160	5168.360	5193.520	---	---
		5220	26.840	5206.720	5233.560	---	---
		5240	30.920	5222.440	5253.360	---	---
		5745	26.240	5730.640	5756.880	---	---
		5785	25.080	5772.320	5797.400	---	---
		5825	27.960	5809.720	5837.680	---	---
11N40SISO	Ant1	5190	49.760	5168.160	5217.920	---	---
		5230	47.360	5206.080	5253.440	---	---
		5755	51.360	5725.800	5777.160	---	---
		5795	49.040	5767.800	5816.840	---	---
11AC20SISO	Ant1	5180	20.400	5170.040	5190.440	---	---
		5220	29.160	5207.480	5236.640	---	---
		5240	29.680	5226.560	5256.240	---	---
		5745	27.480	5731.040	5758.520	---	---
		5785	24.760	5773.080	5797.840	---	---
		5825	23.240	5812.920	5836.160	---	---
11AC40SISO	Ant1	5190	49.520	5170.320	5219.840	---	---
		5230	52.240	5206.720	5258.960	---	---
		5755	54.240	5727.640	5781.880	---	---
		5795	45.920	5775.000	5820.920	---	---
11AX20SISO	Ant1	5180	20.000	5170.080	5190.080	---	---
		5220	30.120	5206.040	5236.160	---	---
		5240	24.720	5225.080	5249.800	---	---
		5745	24.840	5732.160	5757.000	---	---
		5785	20.840	5774.000	5794.840	---	---
		5825	24.720	5814.120	5838.840	---	---
11AX40SISO	Ant1	5190	51.280	5168.640	5219.920	---	---
		5230	53.280	5206.640	5259.920	---	---
		5755	45.040	5731.080	5776.120	---	---
		5795	45.040	5771.960	5817.000	---	---

Test Graphs

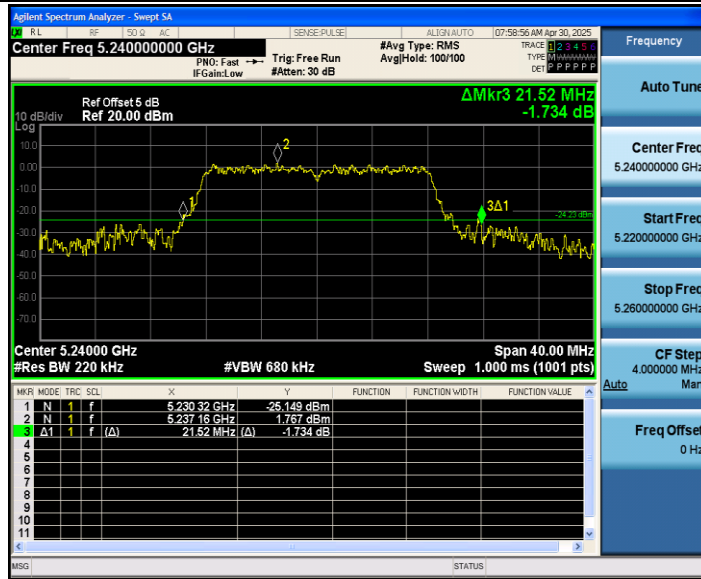
11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



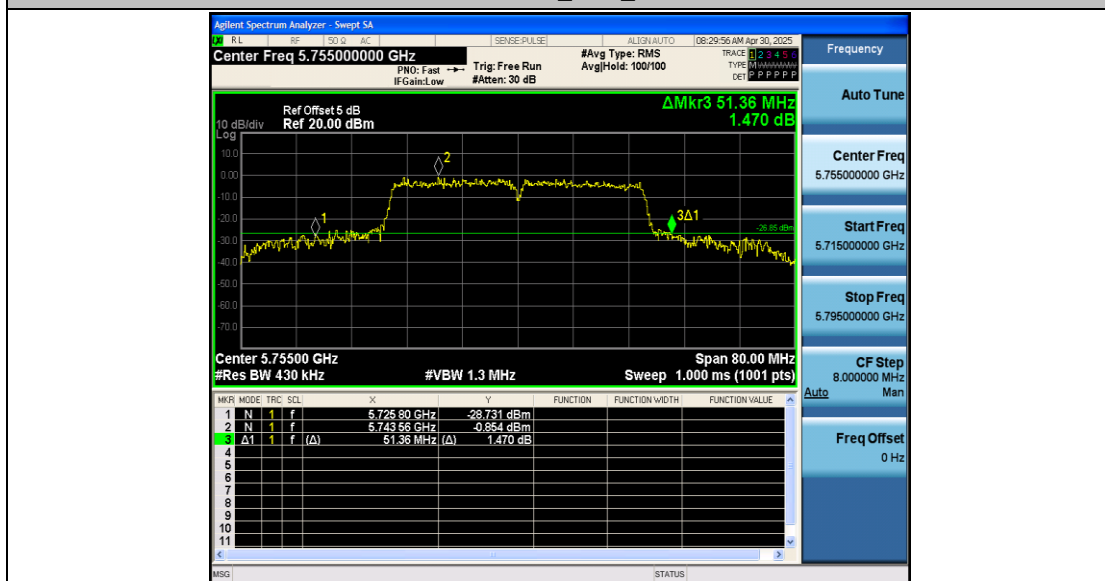
11N40SISO_Ant1_5190



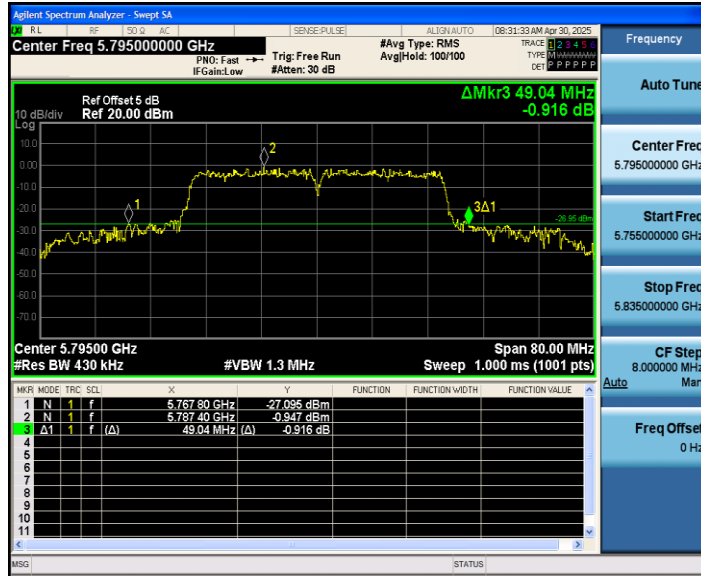
11N40SISO_Ant1_5230



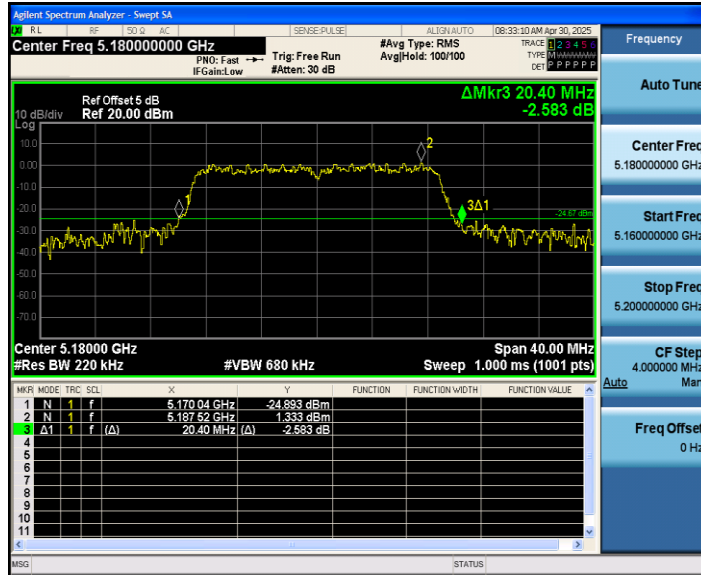
11N40SISO_Ant1_5755



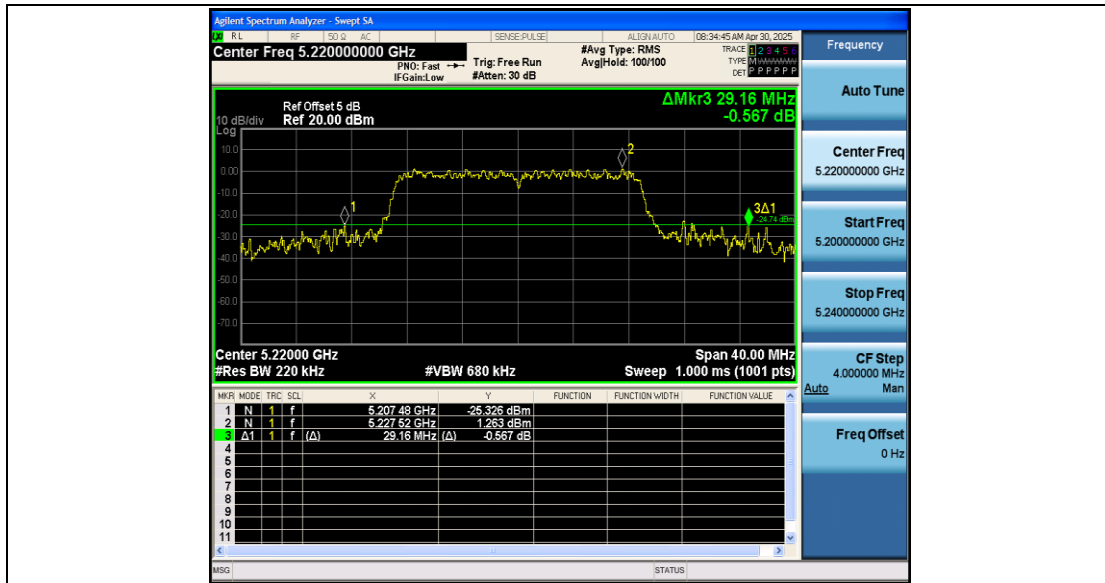
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



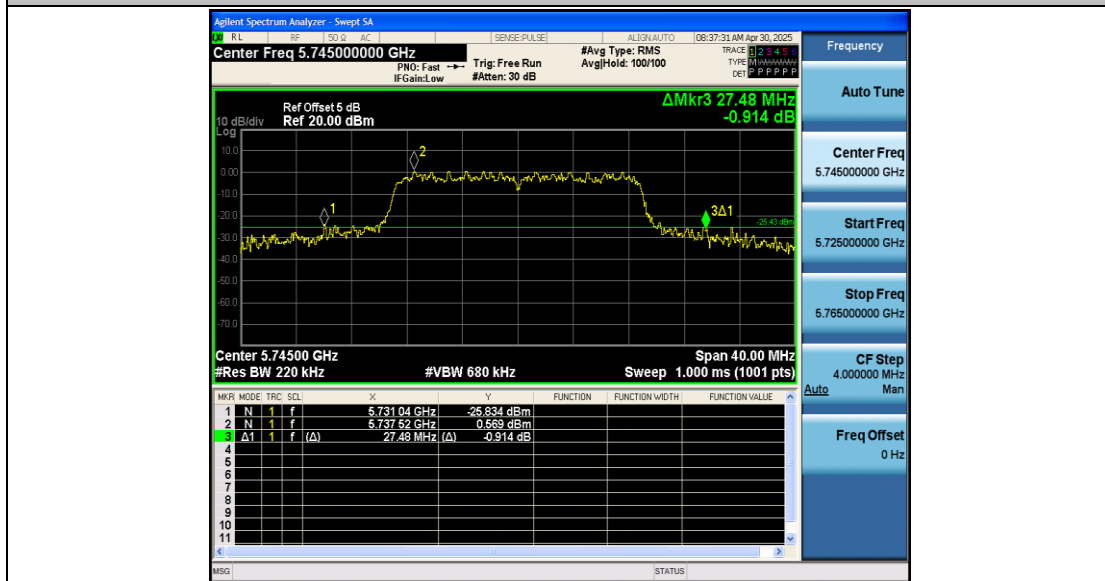
11AC20SISO_Ant1_5220



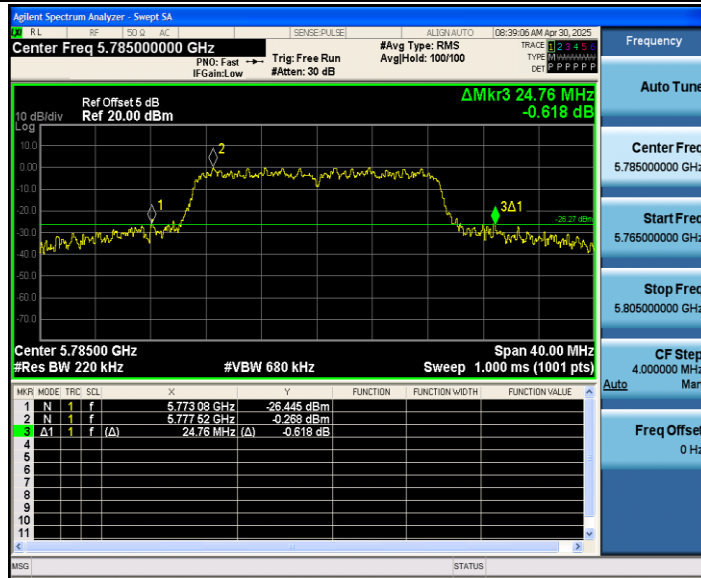
11AC20SISO_Ant1_5240



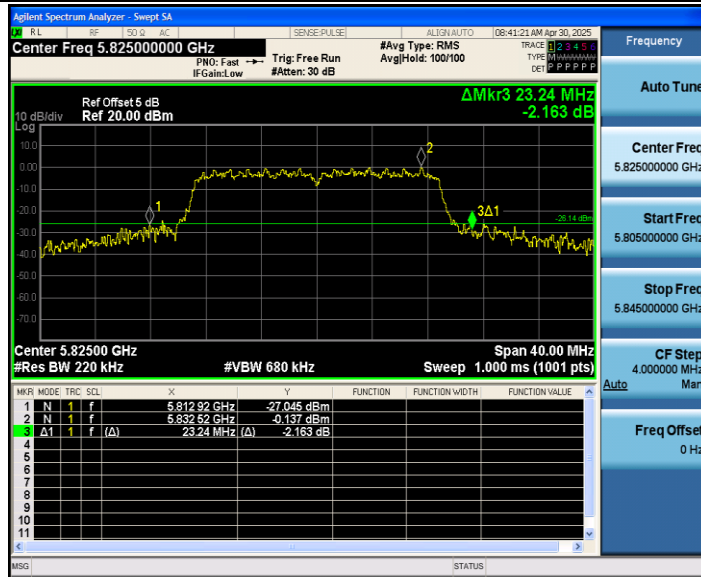
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



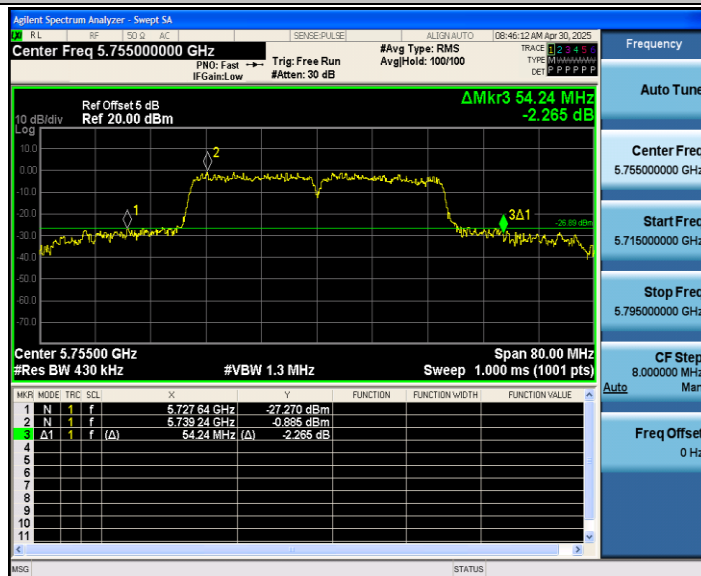
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



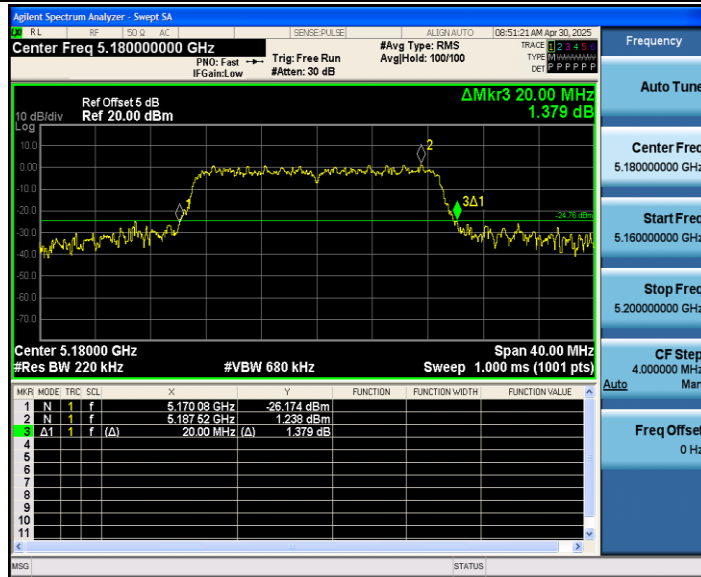
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



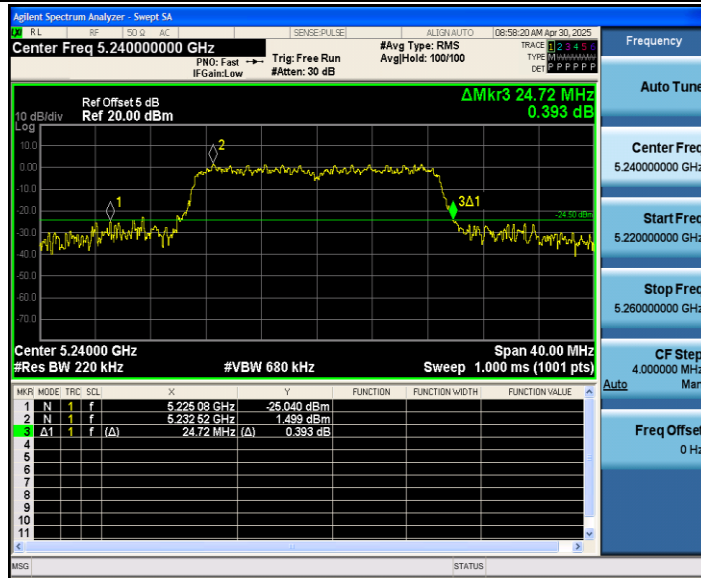
11AX20SISO_Ant1_5180



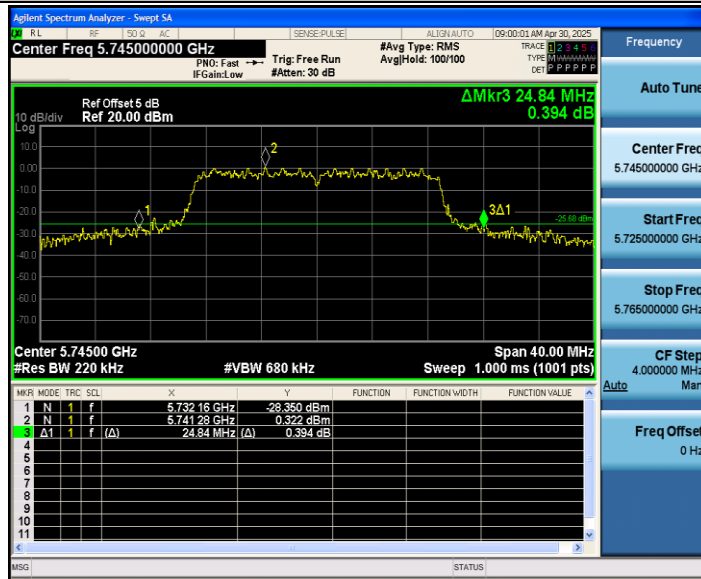
11AX20SISO_Ant1_5220



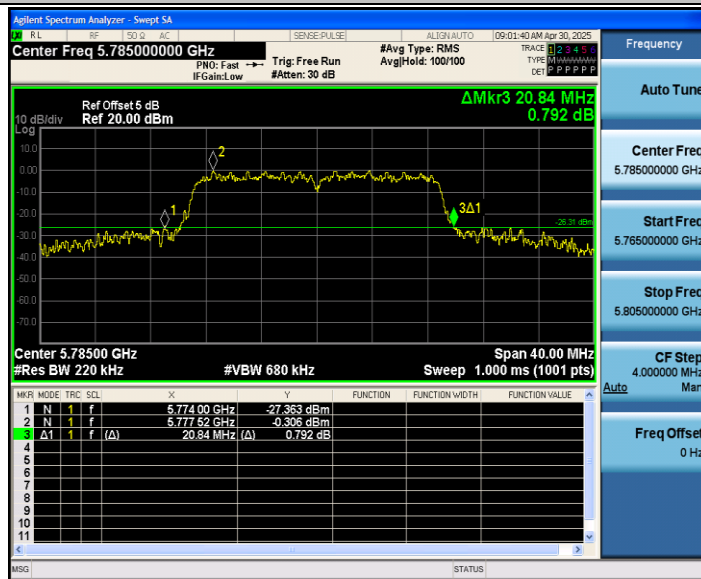
11AX20SISO_Ant1_5240



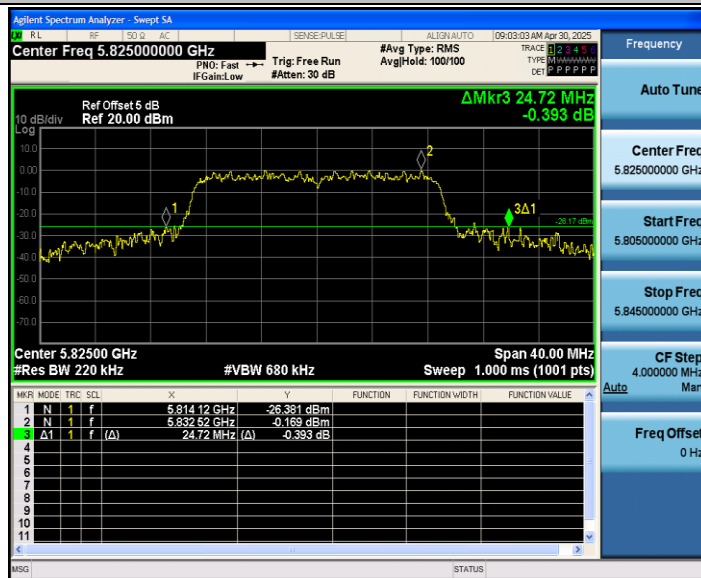
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



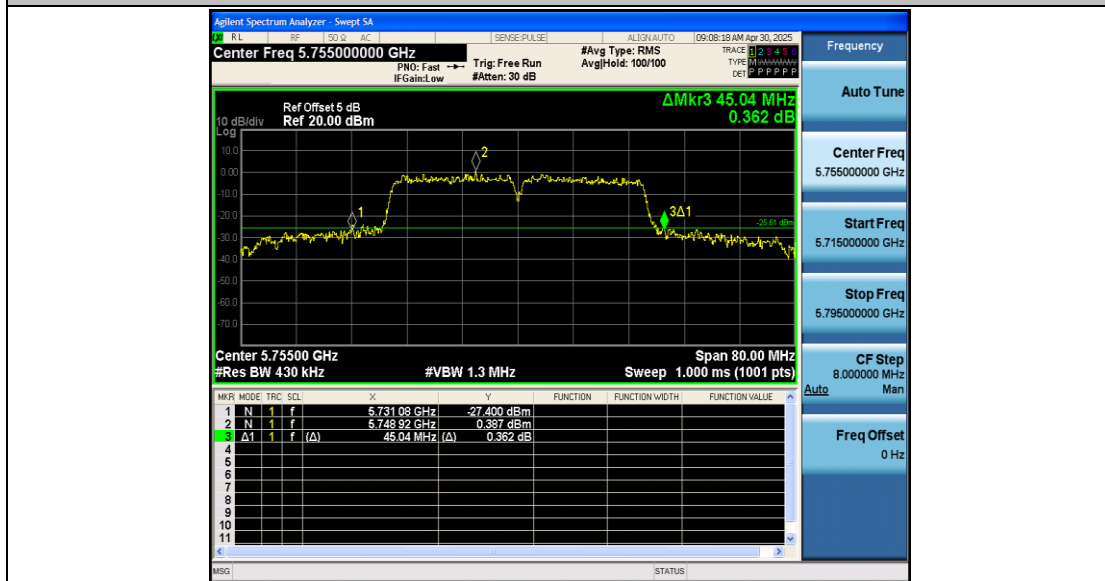
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5795

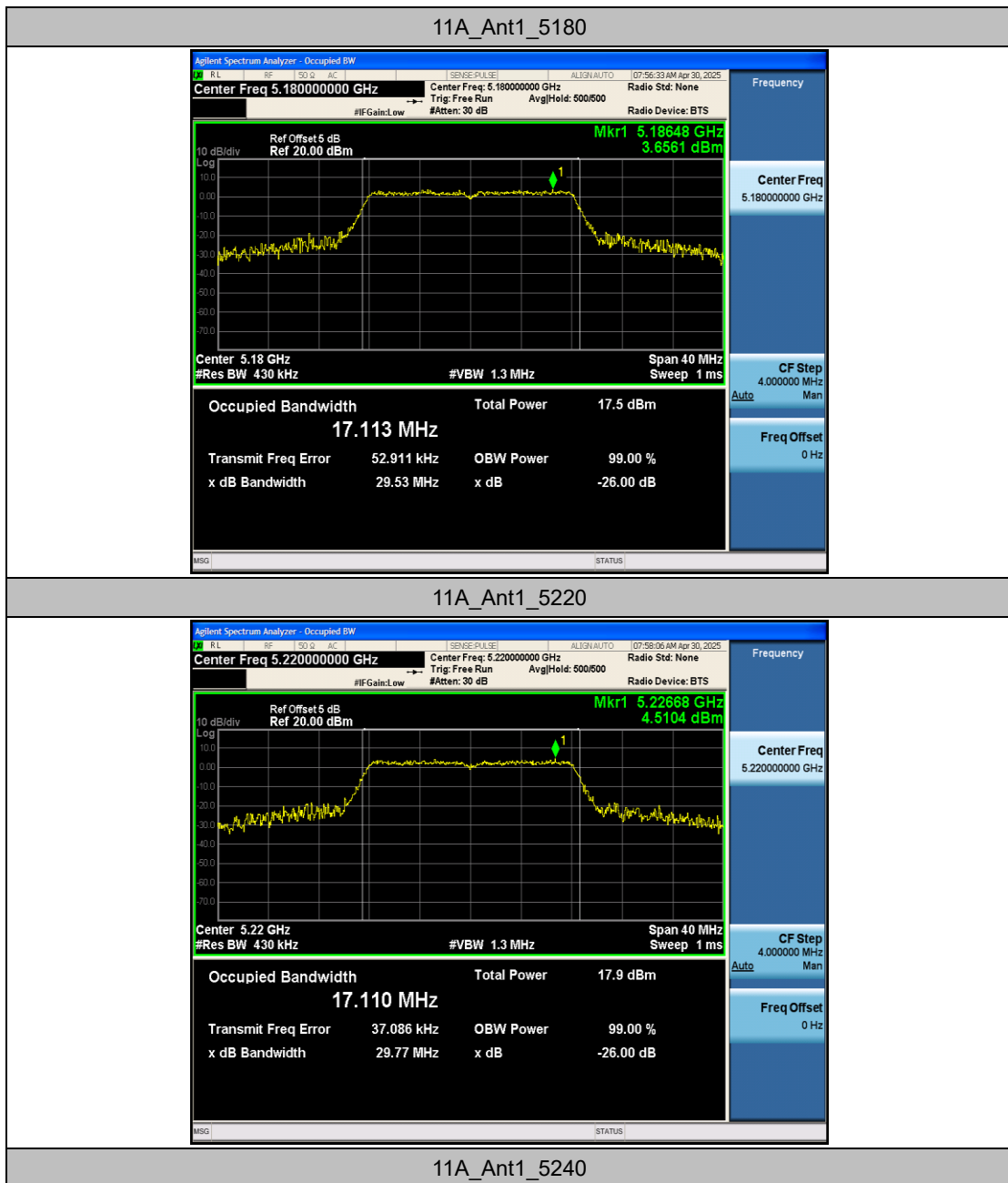


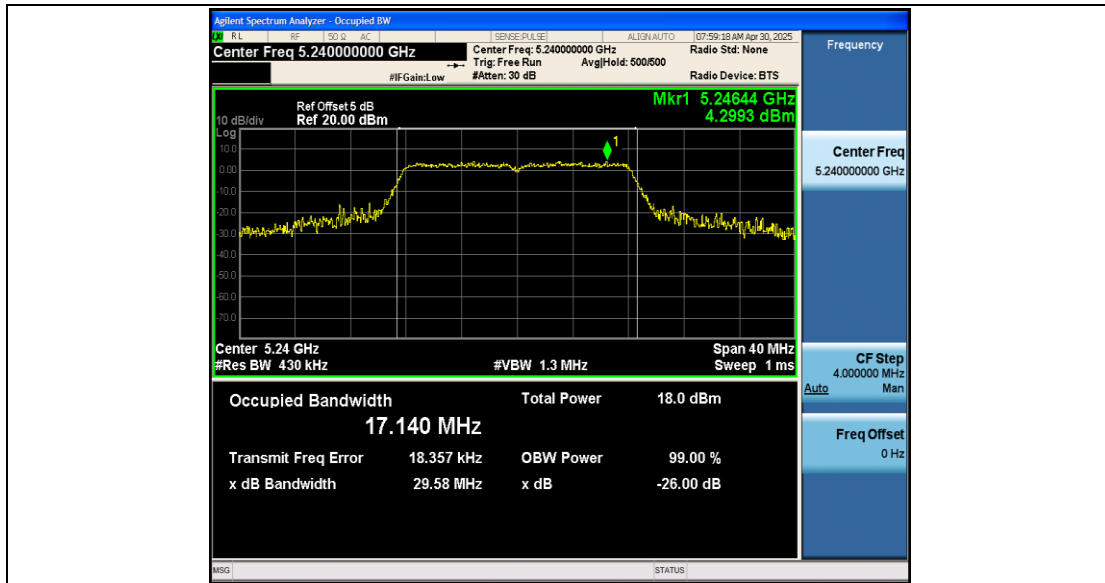
Appendix A2: Occupied channel bandwidth

Test Result

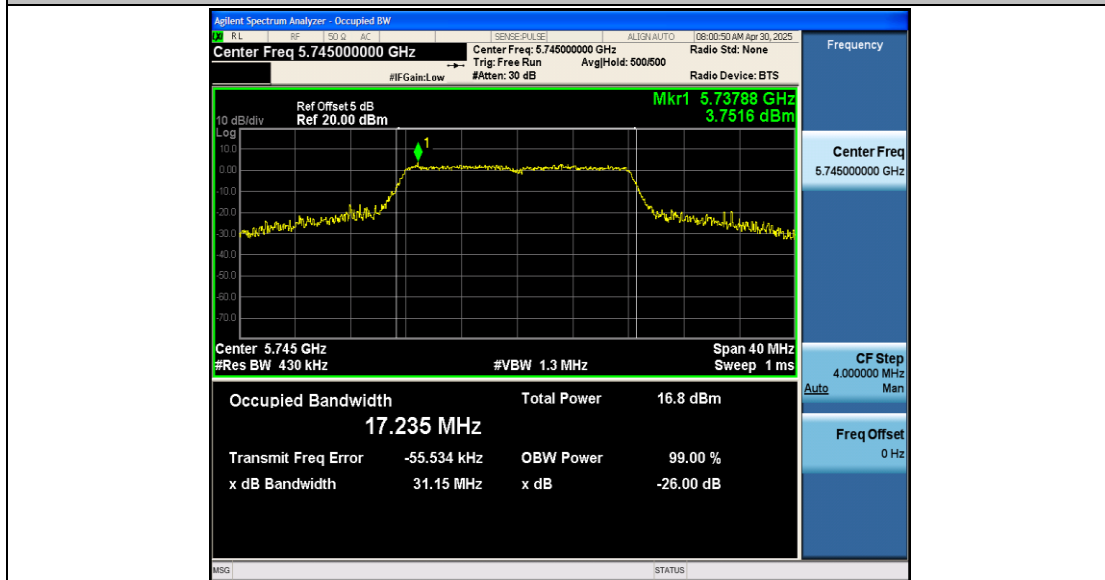
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.113	5171.4964	5188.6094	---	---
		5220	17.110	5211.4821	5228.5921	---	---
		5240	17.140	5231.4484	5248.5884	---	---
		5745	17.235	5736.3270	5753.5620	---	---
		5785	17.152	5776.4310	5793.5830	---	---
		5825	17.131	5816.4476	5833.5786	---	---
11N20SISO	Ant1	5180	18.244	5170.9884	5189.2324	---	---
		5220	18.230	5210.9360	5229.1660	---	---
		5240	18.263	5230.9389	5249.2019	---	---
		5745	18.173	5735.8972	5754.0702	---	---
		5785	18.092	5775.9902	5794.0822	---	---
		5825	18.153	5815.9898	5834.1428	---	---
11N40SISO	Ant1	5190	36.870	5171.7525	5208.6225	---	---
		5230	36.753	5211.7276	5248.4806	---	---
		5755	36.630	5736.6638	5773.2938	---	---
		5795	36.561	5776.7792	5813.3402	---	---
11AC20SISO	Ant1	5180	17.902	5171.1270	5189.0290	---	---
		5220	17.932	5211.0854	5229.0174	---	---
		5240	17.938	5231.0752	5249.0132	---	---
		5745	17.959	5736.0035	5753.9625	---	---
		5785	17.968	5776.0076	5793.9756	---	---
		5825	17.884	5816.0886	5833.9726	---	---
11AC40SISO	Ant1	5190	36.828	5171.7914	5208.6194	---	---
		5230	36.868	5211.6854	5248.5534	---	---
		5755	36.474	5736.7151	5773.1891	---	---
		5795	36.439	5776.8518	5813.2908	---	---
11AX20SISO	Ant1	5180	17.853	5171.1209	5188.9739	---	---
		5220	17.883	5211.1045	5228.9875	---	---
		5240	17.897	5231.0766	5248.9736	---	---
		5745	17.981	5736.0037	5753.9847	---	---
		5785	17.871	5776.0723	5793.9433	---	---
		5825	17.904	5816.0937	5833.9977	---	---
11AX40SISO	Ant1	5190	36.789	5171.8198	5208.6088	---	---
		5230	36.711	5211.7623	5248.4733	---	---
		5755	36.494	5736.7947	5773.2887	---	---
		5795	36.422	5776.8316	5813.2536	---	---

Test Graphs

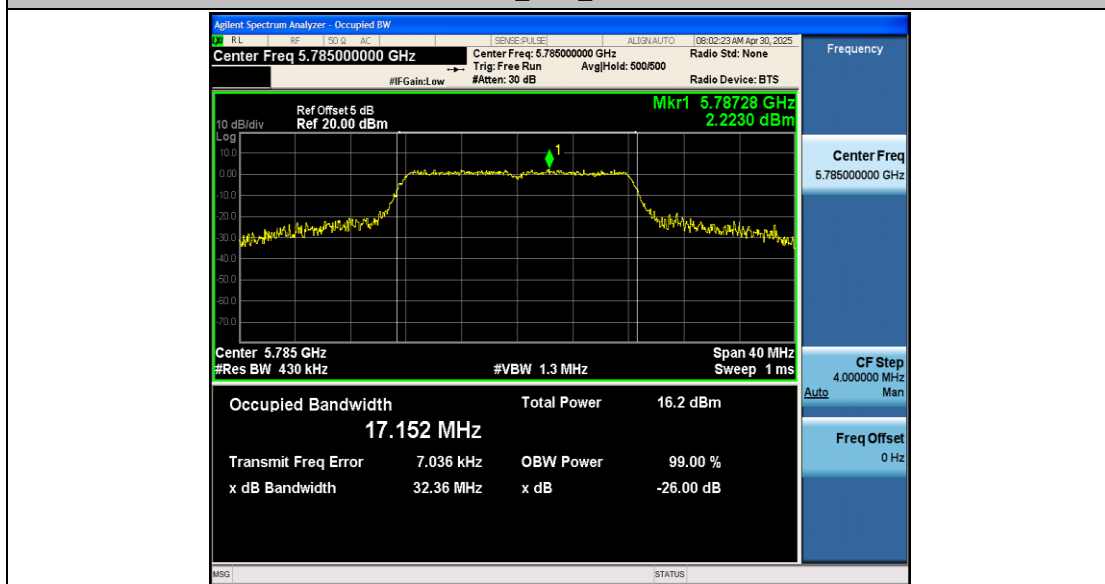

11A_Ant1_5220
11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



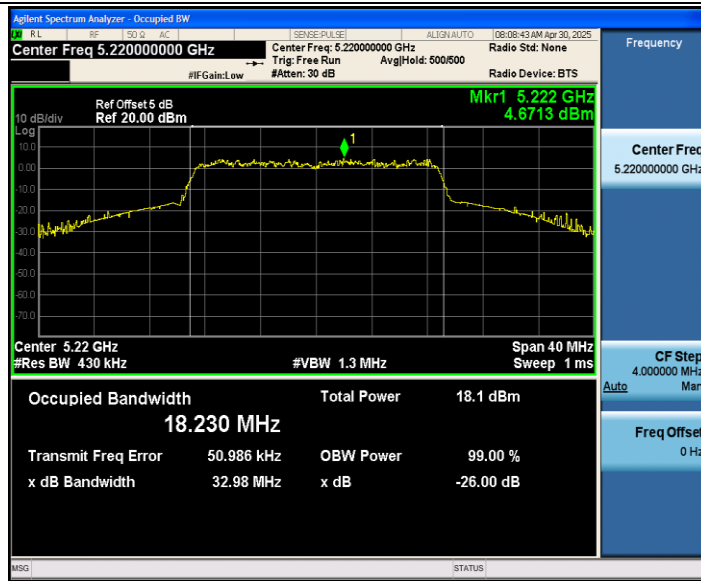
11A_Ant1_5825



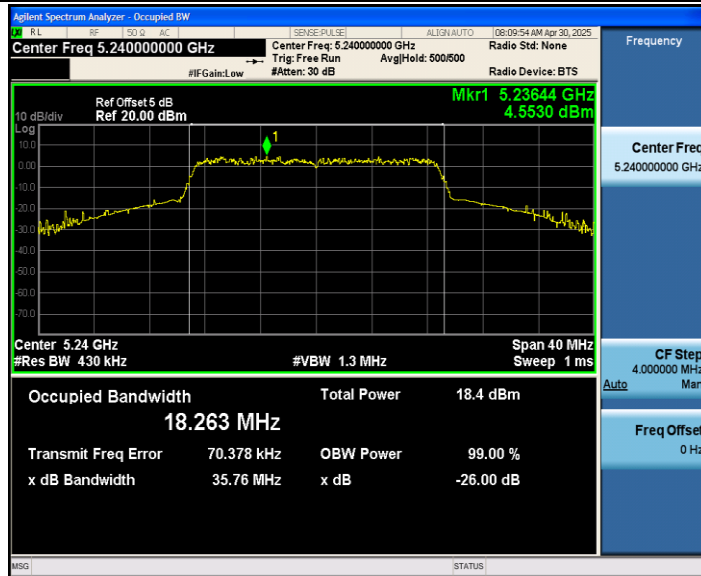
11N20SISO_Ant1_5180



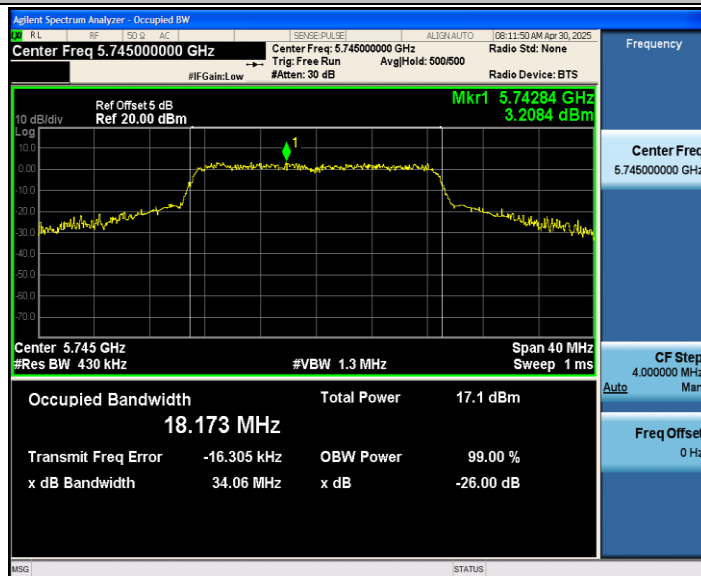
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



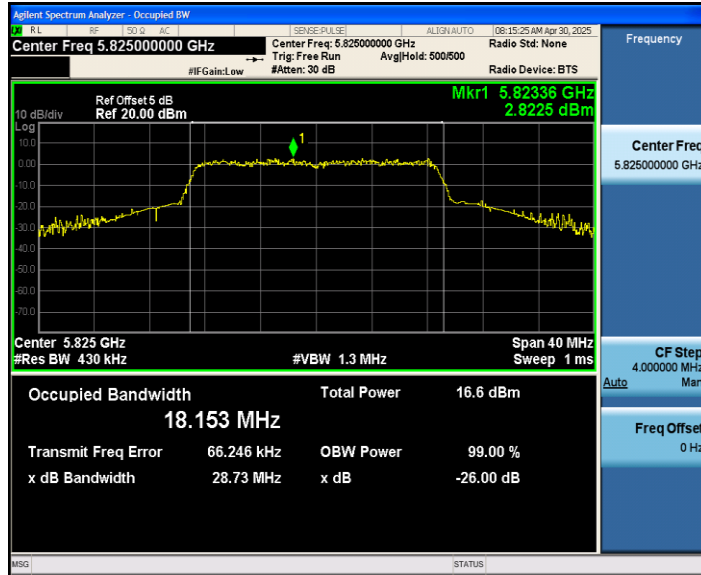
11N20SISO_Ant1_5745



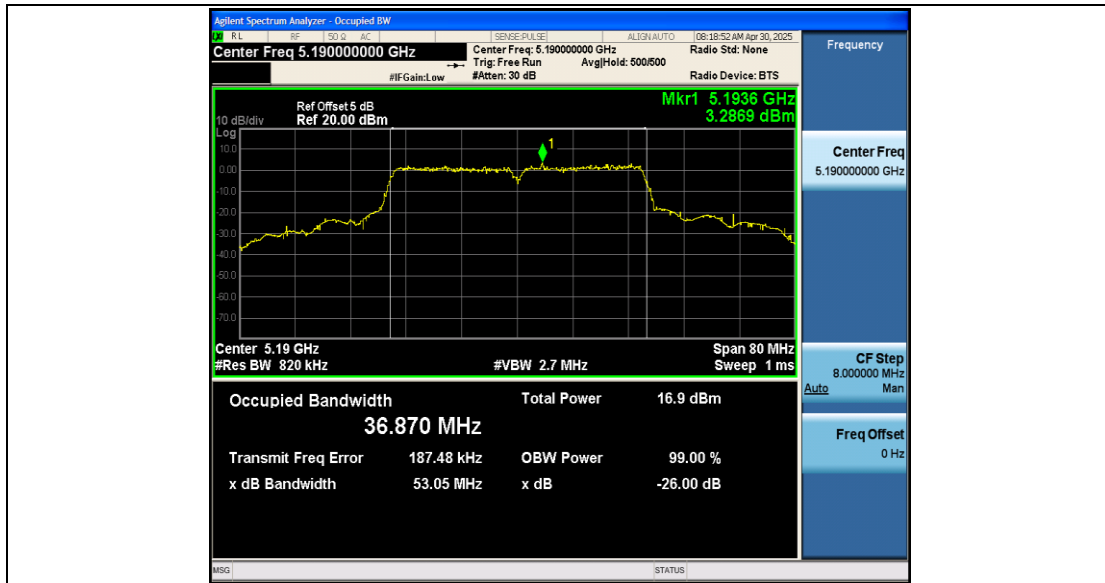
11N20SISO_Ant1_5785



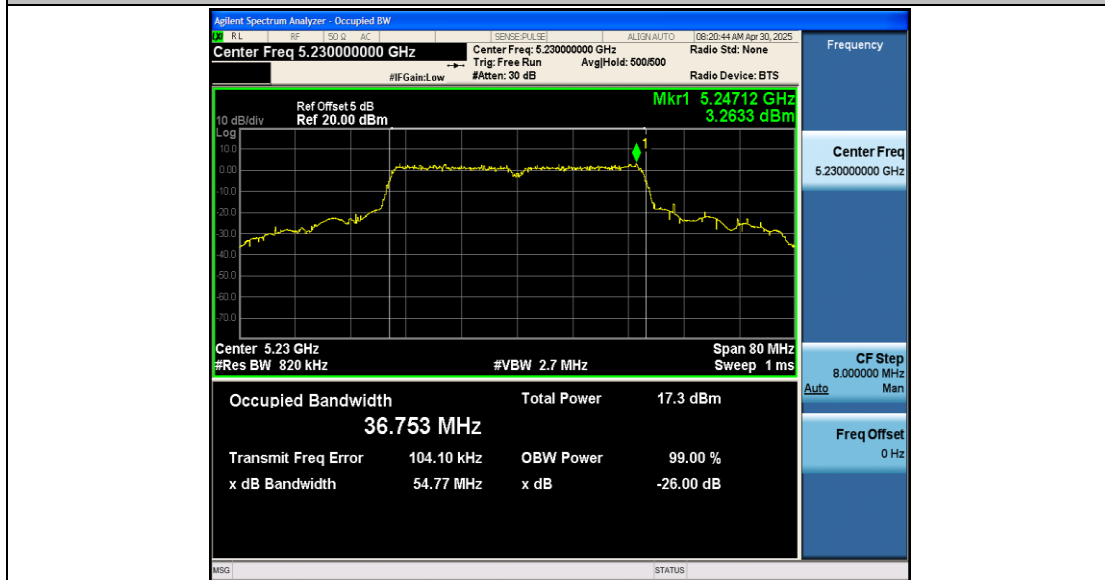
11N20SISO_Ant1_5825



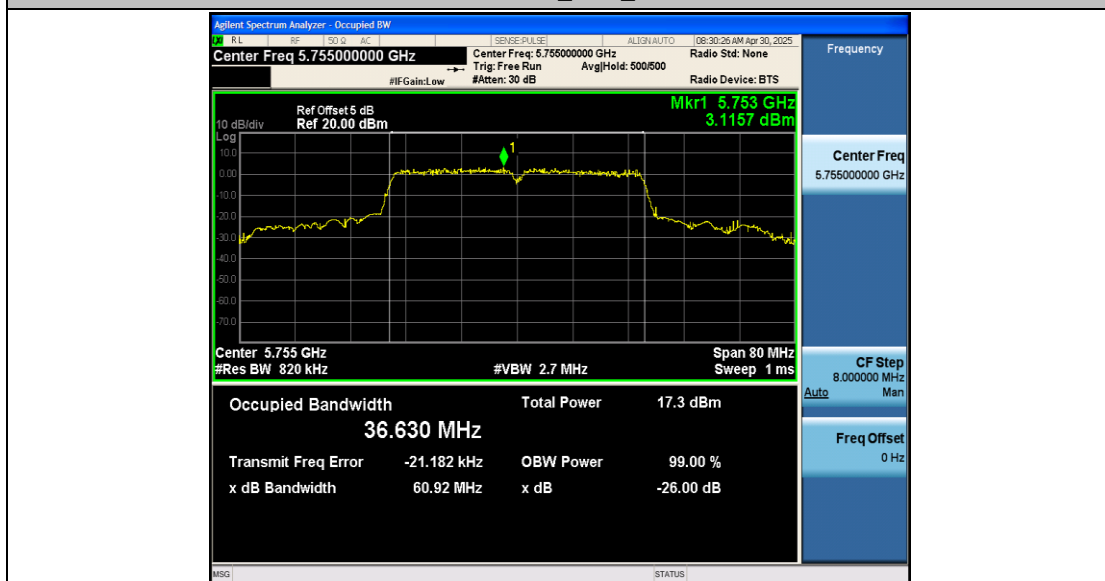
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



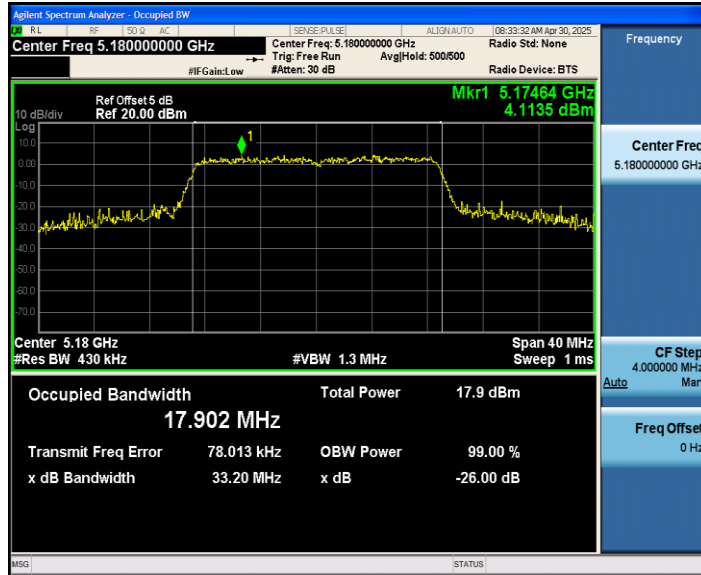
11N40SISO_Ant1_5755



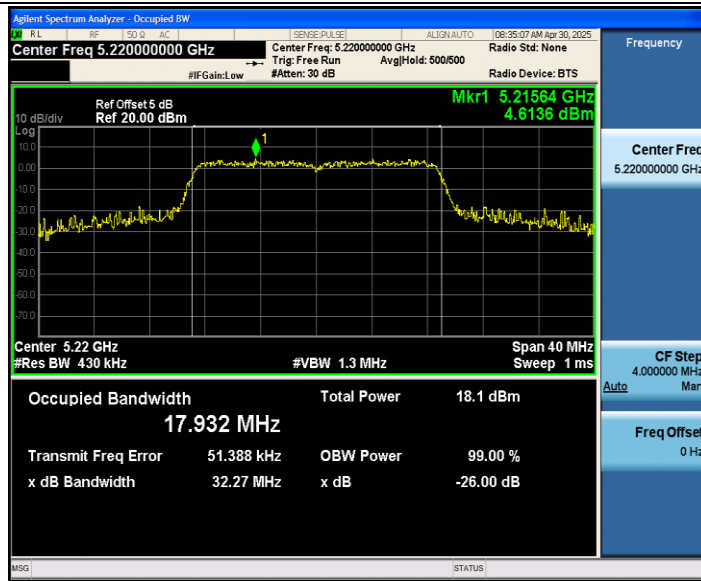
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



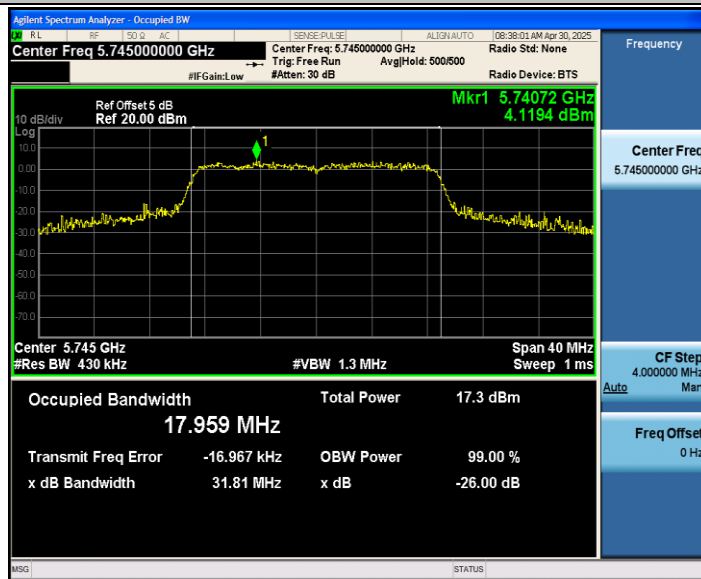
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



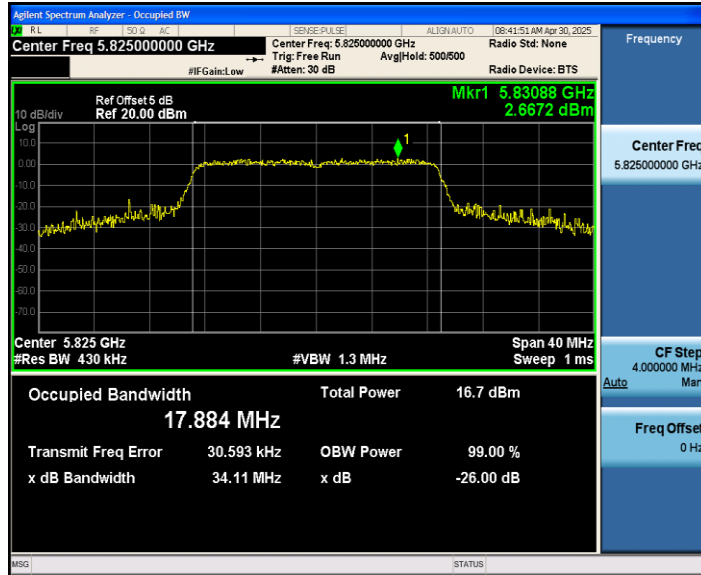
11AC20SISO_Ant1_5745



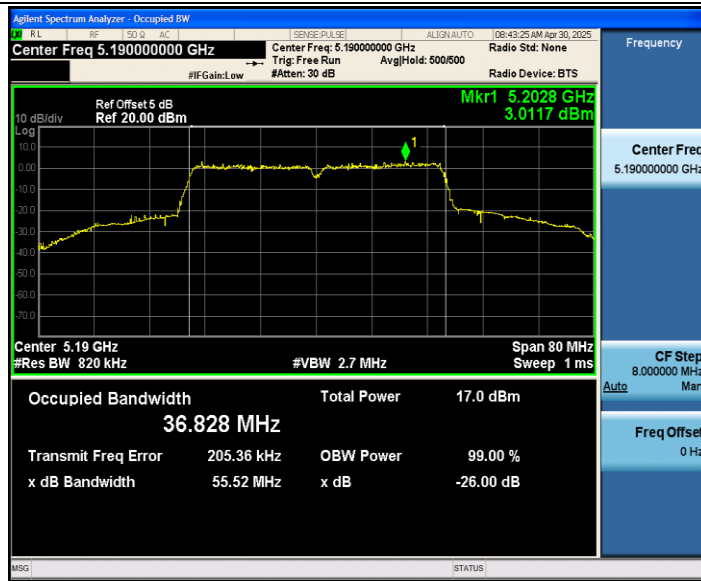
11AC20SISO_Ant1_5785



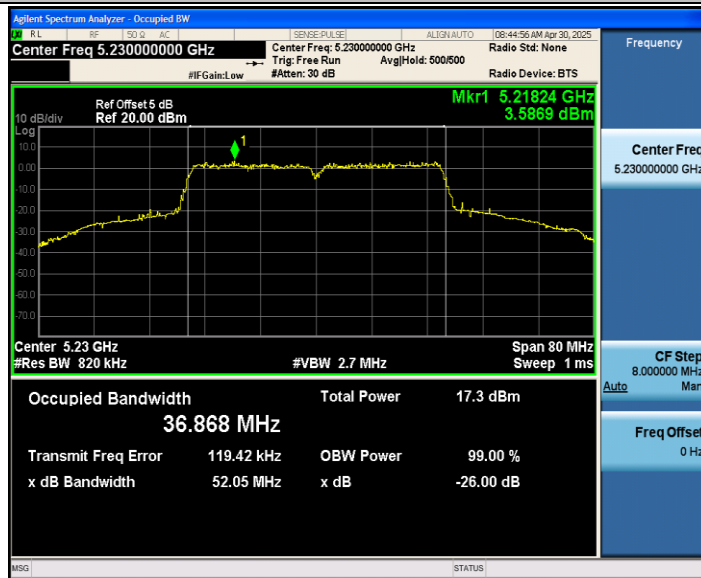
11AC20SISO_Ant1_5825



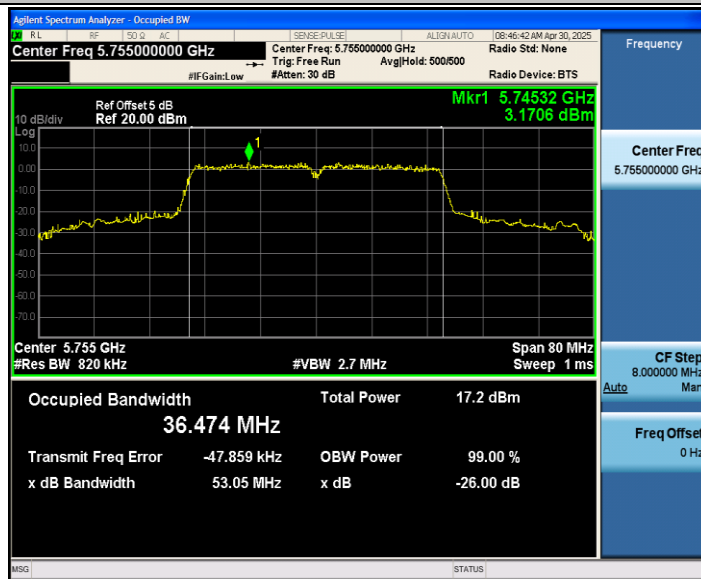
11AC40SISO_Ant1_5190



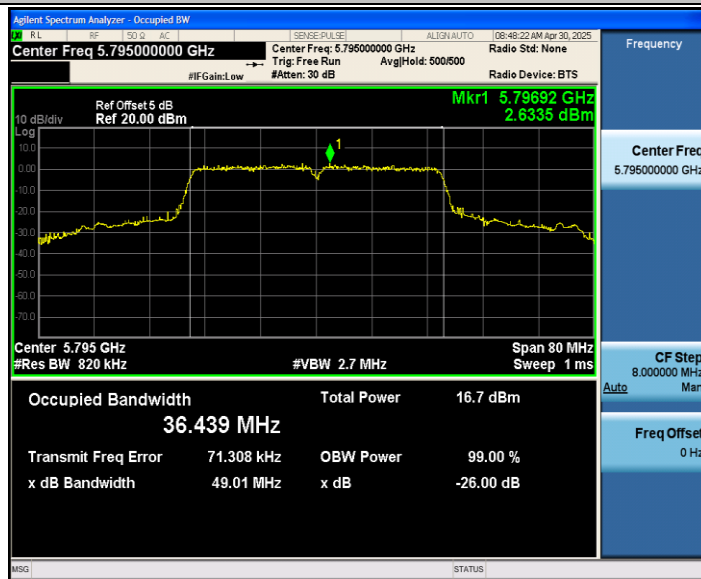
11AC40SISO_Ant1_5230



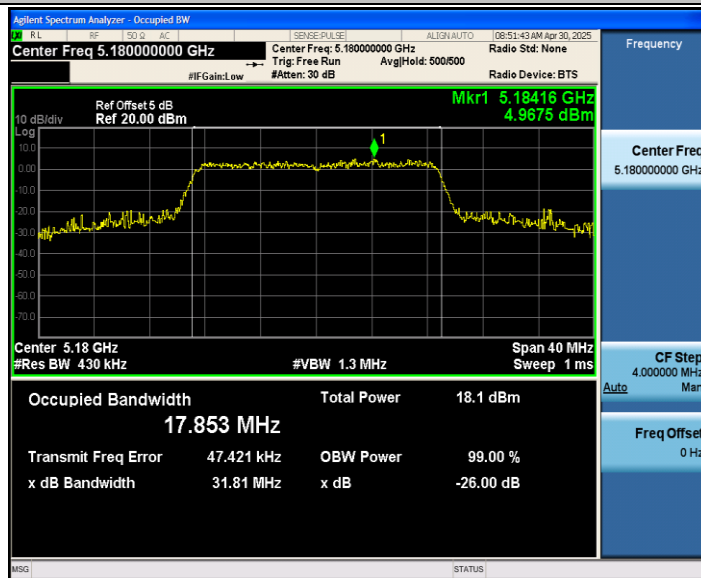
11AC40SISO_Ant1_5755



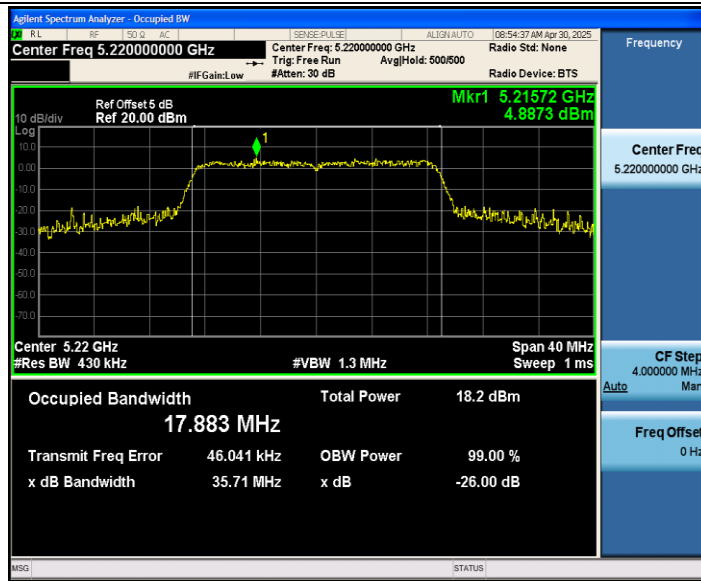
11AC40SISO_Ant1_5795



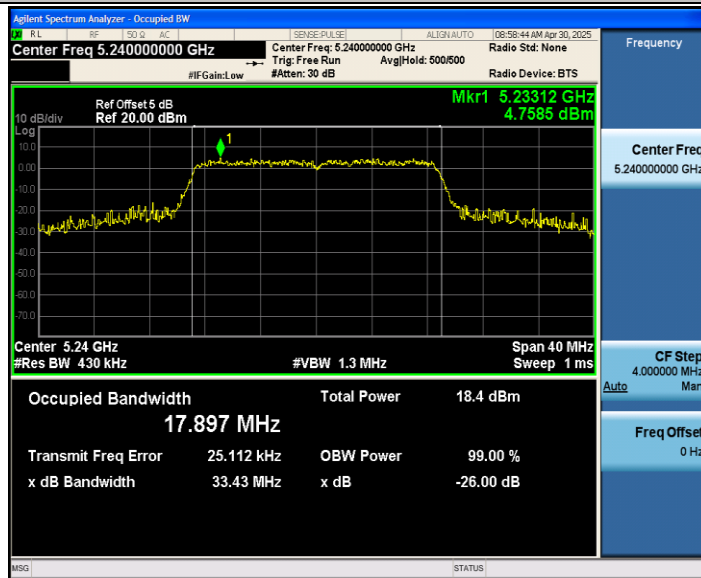
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745

