

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BDCJ-E6P

Company : Xi'an Vidoar Technologies Co., Ltd.

EUT : Helmet Smart HUD

Model Number : E6+

Report No. : CTA26040700404

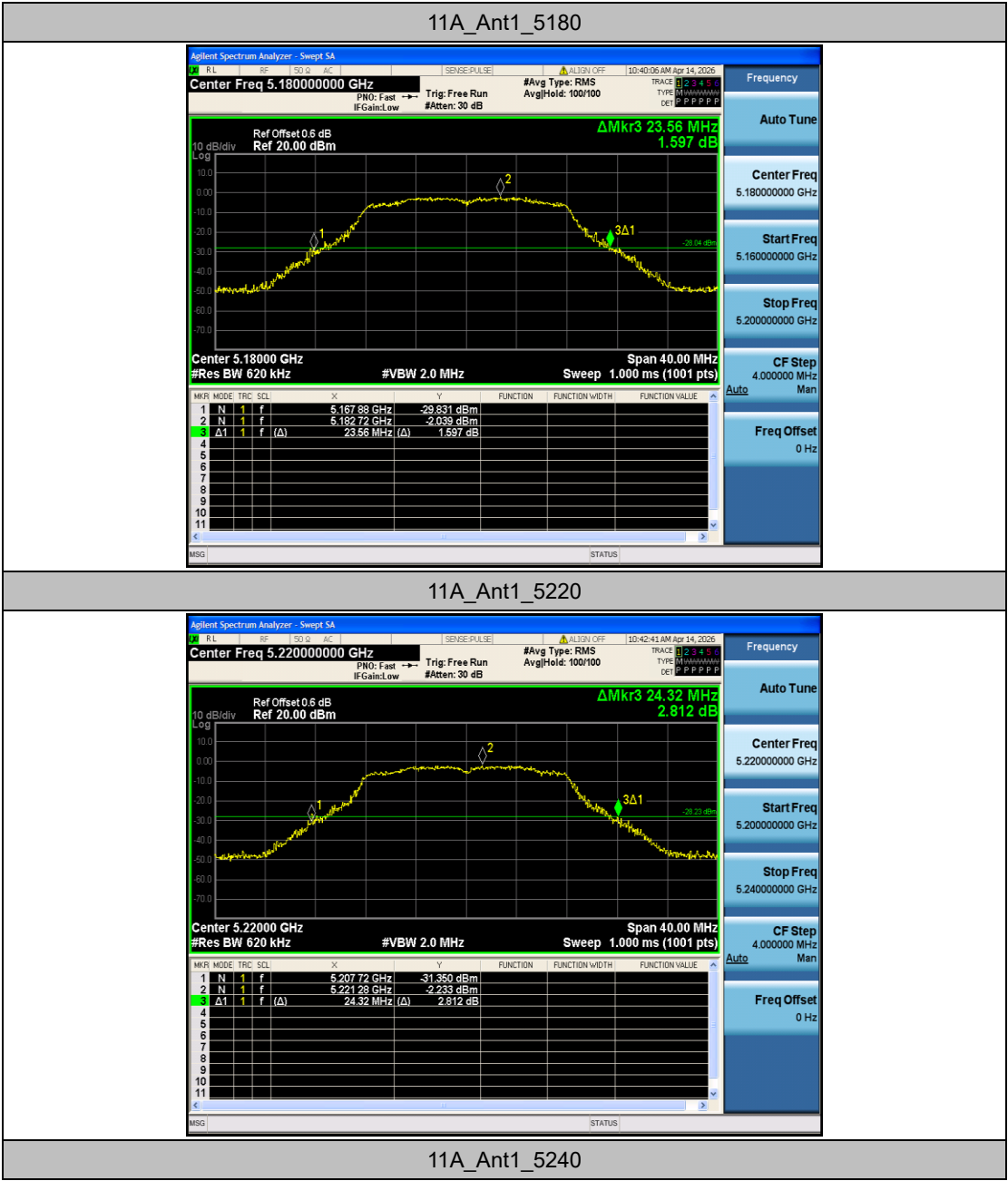
Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.560	5167.880	5191.440	---	---
		5220	24.320	5207.720	5232.040	---	---
		5240	23.400	5228.520	5251.920	---	---
		5745	23.960	5733.080	5757.040	---	---
		5785	23.680	5773.200	5796.880	---	---
		5825	24.200	5812.640	5836.840	---	---
11N20SISO	Ant1	5180	23.600	5168.400	5192.000	---	---
		5220	23.560	5208.640	5232.200	---	---
		5240	23.200	5228.800	5252.000	---	---
		5745	25.120	5732.520	5757.640	---	---
		5785	24.800	5772.600	5797.400	---	---
		5825	24.280	5812.800	5837.080	---	---
11N40SISO	Ant1	5190	43.680	5168.640	5212.320	---	---
		5230	43.840	5208.240	5252.080	---	---
		5755	45.120	5732.920	5778.040	---	---
		5795	44.640	5773.400	5818.040	---	---
11AC20SISO	Ant1	5180	23.960	5168.440	5192.400	---	---
		5220	22.080	5209.280	5231.360	---	---
		5240	22.840	5228.920	5251.760	---	---
		5745	23.560	5733.320	5756.880	---	---
		5785	23.600	5773.200	5796.800	---	---
		5825	24.800	5812.240	5837.040	---	---
11AC40SISO	Ant1	5190	42.000	5169.040	5211.040	---	---
		5230	42.560	5208.560	5251.120	---	---
		5755	45.760	5732.280	5778.040	---	---
		5795	44.800	5772.760	5817.560	---	---
11AC80SISO	Ant1	5210	84.960	5167.440	5252.400	---	---
		5775	84.800	5732.920	5817.720	---	---

Test Graphs





11A_Ant1_5745



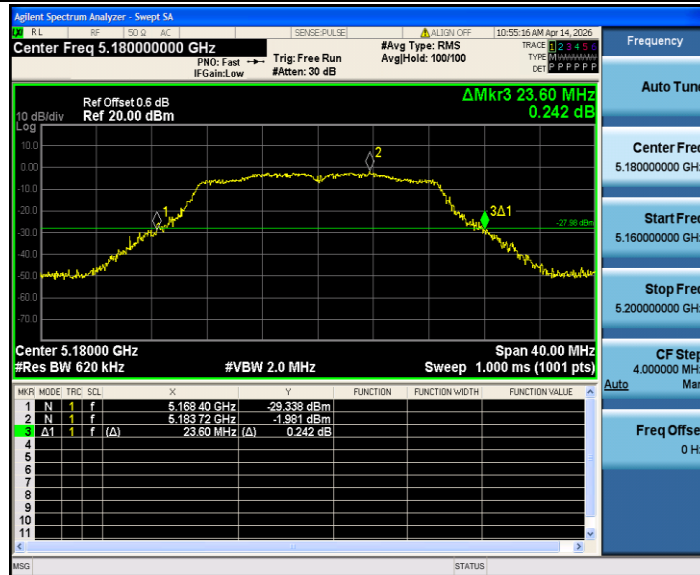
11A_Ant1_5785



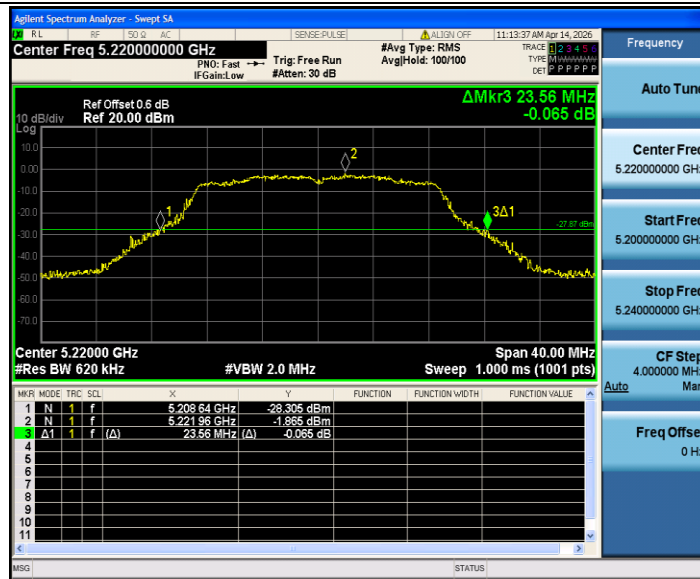
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



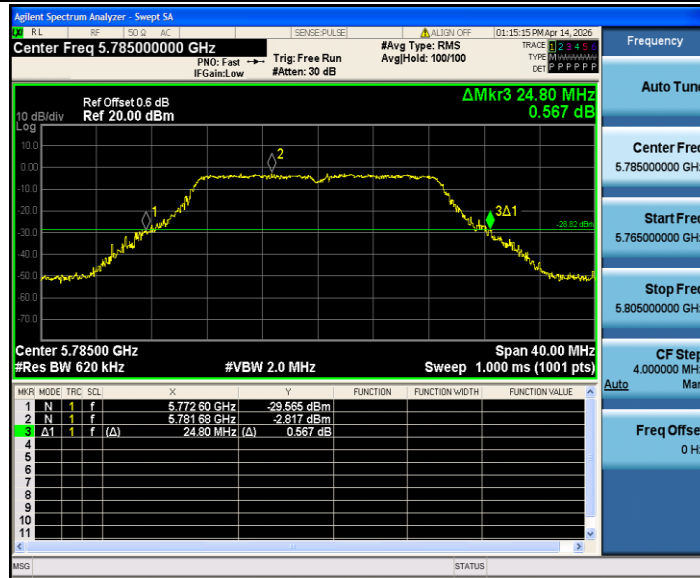
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



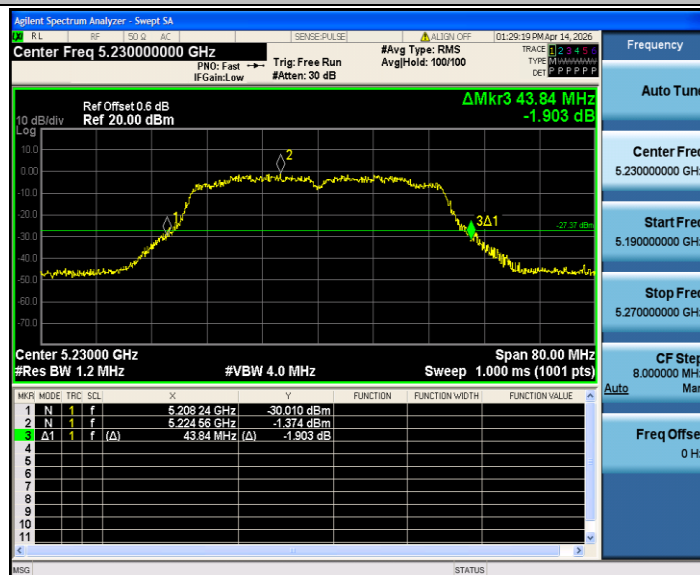
11N20SISO_Ant1_5825



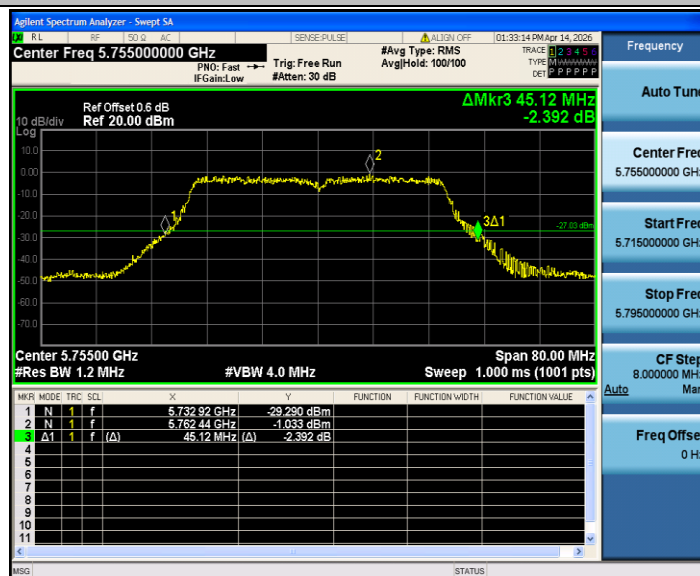
11N40SISO_Ant1_5190



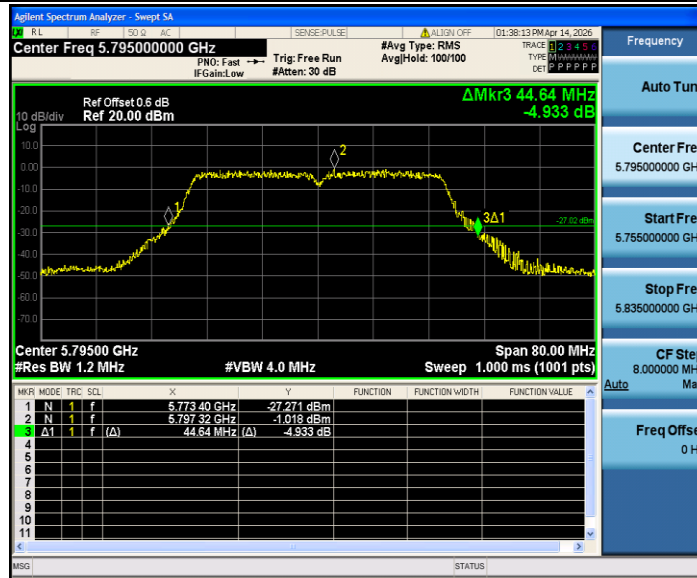
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



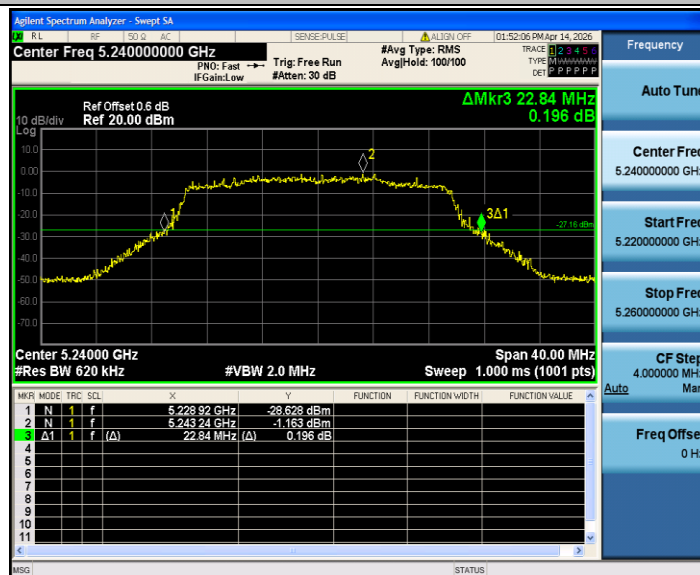
11AC20SISO_Ant1_5180



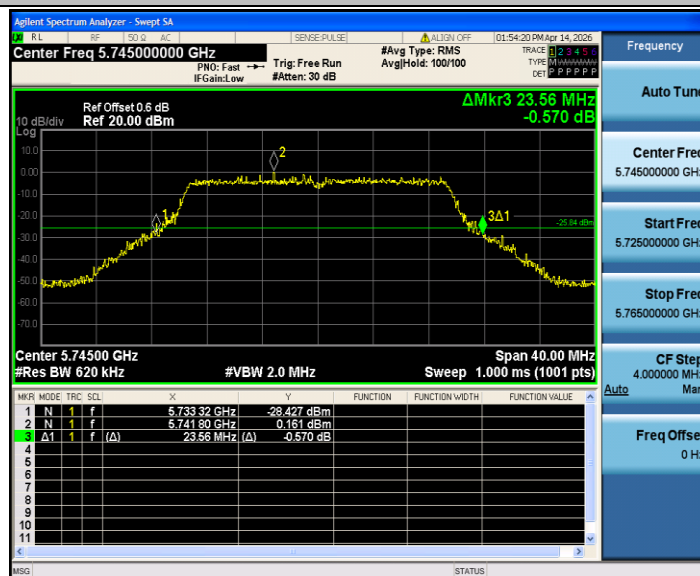
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



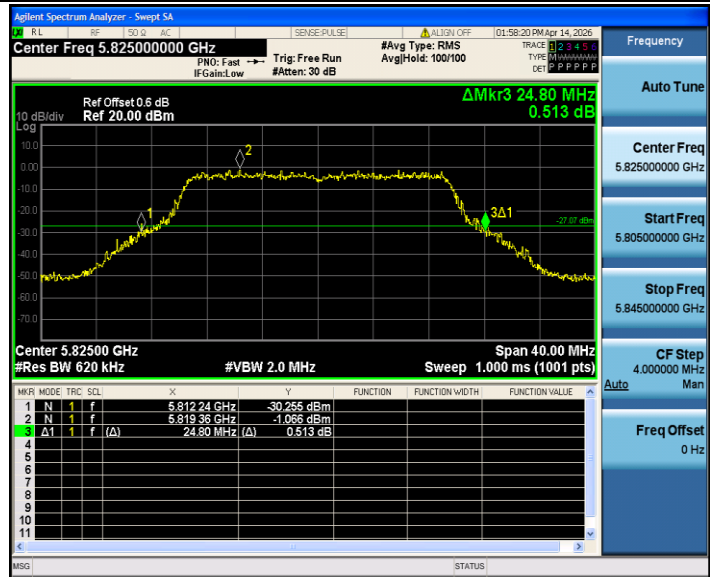
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



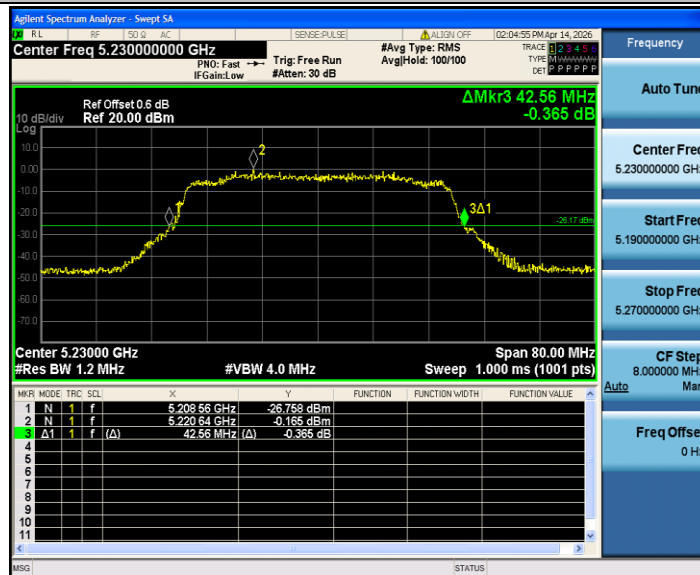
11AC20SISO_Ant1_5825



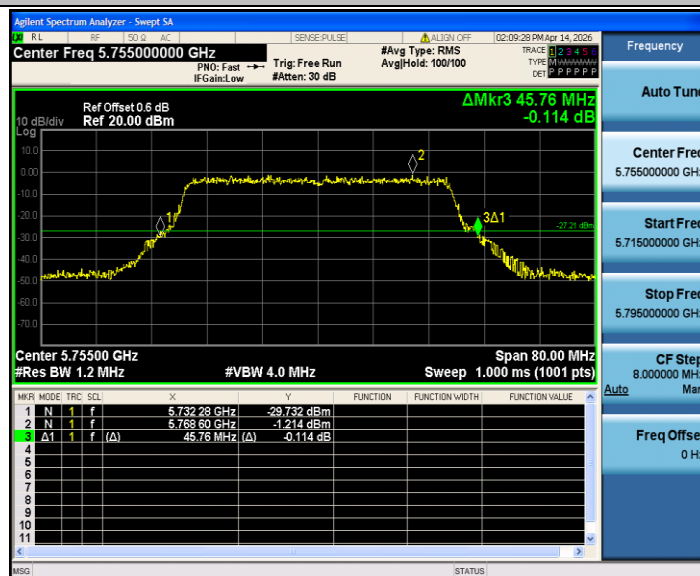
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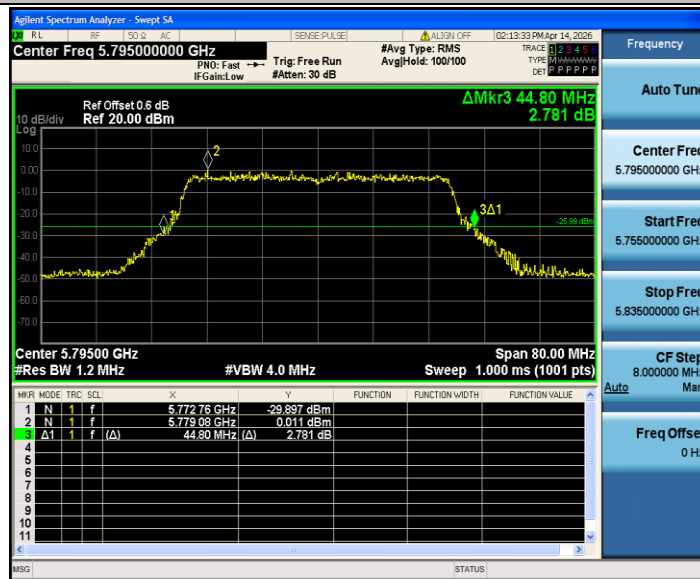
11AC40SISO_Ant1_5230



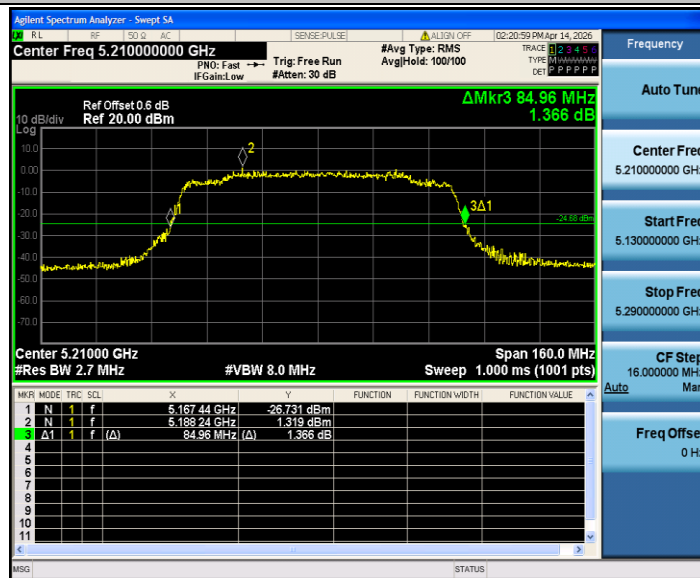
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



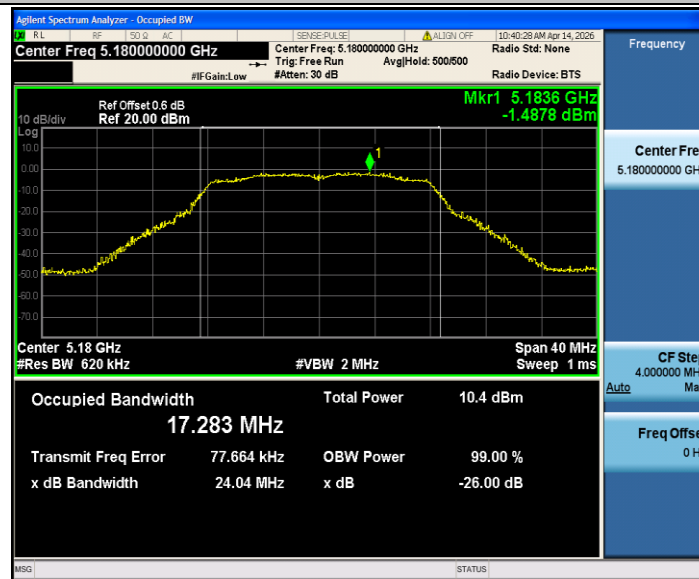
Appendix A2: Occupied channel bandwidth

Test Result

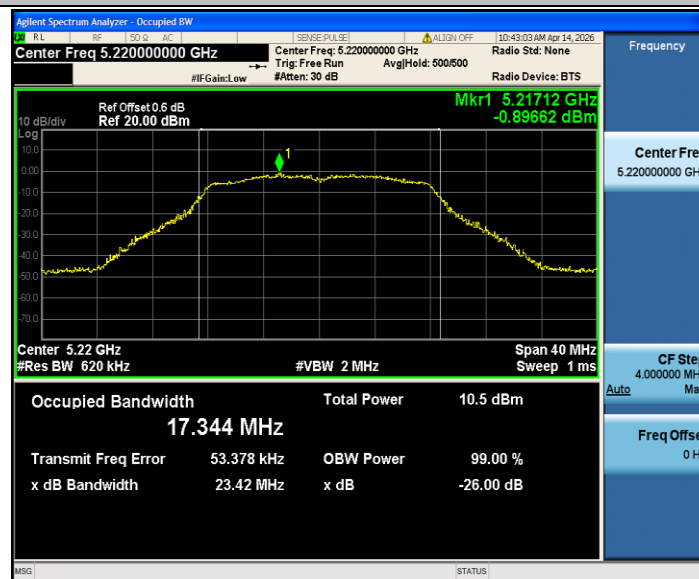
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.283	5171.4362	5188.7192	---	---
		5220	17.344	5211.3814	5228.7254	---	---
		5240	17.265	5231.4067	5248.6717	---	---
		5745	17.629	5736.2003	5753.8293	---	---
		5785	17.680	5776.1755	5793.8555	---	---
		5825	17.572	5816.2271	5833.7991	---	---
11N20SISO	Ant1	5180	18.279	5170.8950	5189.1740	---	---
		5220	18.268	5210.8776	5229.1456	---	---
		5240	18.255	5230.9069	5249.1619	---	---
		5745	18.669	5735.7019	5754.3709	---	---
		5785	18.648	5775.6870	5794.3350	---	---
		5825	18.630	5815.6643	5834.2943	---	---
11N40SISO	Ant1	5190	36.286	5171.9337	5208.2197	---	---
		5230	36.286	5211.9071	5248.1931	---	---
		5755	36.928	5736.6071	5773.5351	---	---
		5795	37.006	5776.6158	5813.6218	---	---
11AC20SISO	Ant1	5180	19.083	5170.5039	5189.5869	---	---
		5220	19.046	5210.5058	5229.5518	---	---
		5240	19.139	5230.4475	5249.5865	---	---
		5745	19.418	5735.3523	5754.7703	---	---
		5785	19.442	5775.2860	5794.7280	---	---
		5825	19.379	5815.3308	5834.7098	---	---
11AC40SISO	Ant1	5190	37.768	5171.2070	5208.9750	---	---
		5230	37.710	5211.2106	5248.9206	---	---
		5755	38.383	5735.8869	5774.2699	---	---
		5795	38.217	5776.0145	5814.2315	---	---
11AC80SISO	Ant1	5210	76.894	5171.6422	5248.5362	---	---
		5775	77.063	5736.6183	5813.6813	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



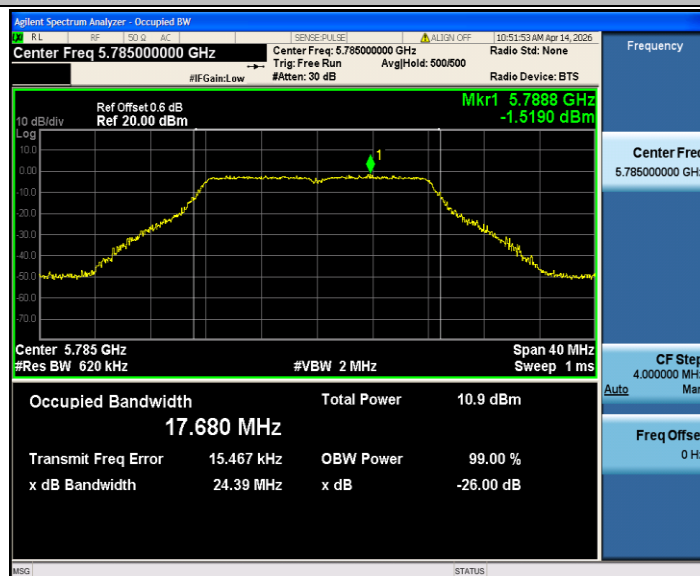
11A_Ant1_5240



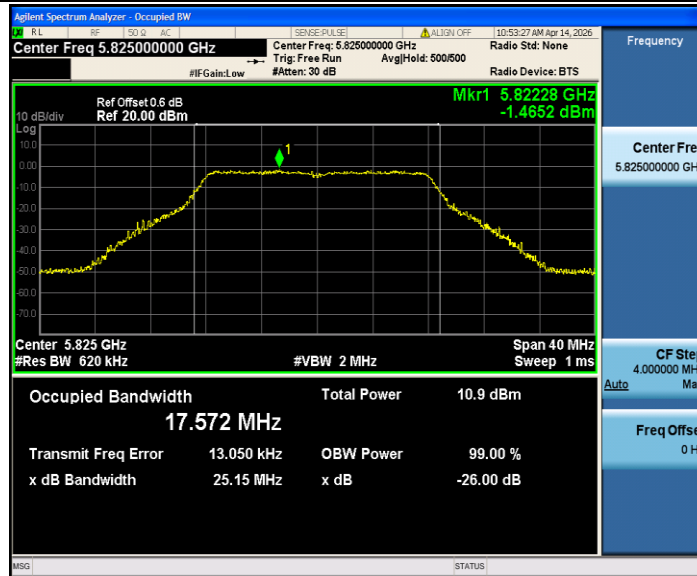
11A_Ant1_5745



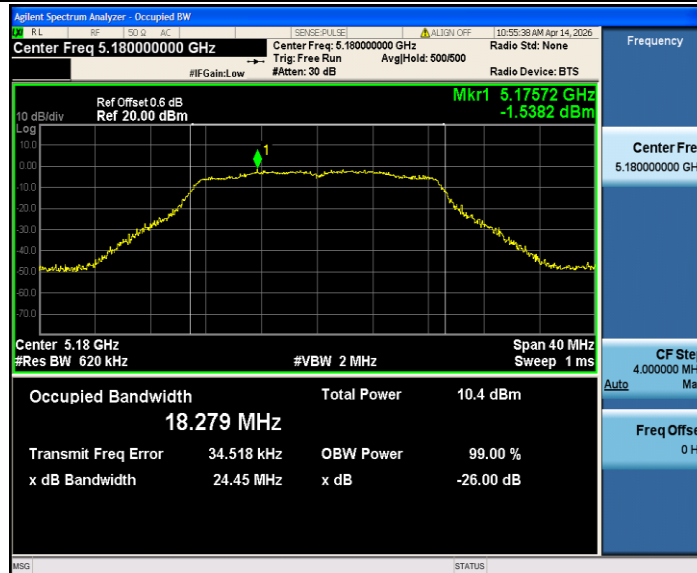
11A_Ant1_5785



11A_Ant1_5825



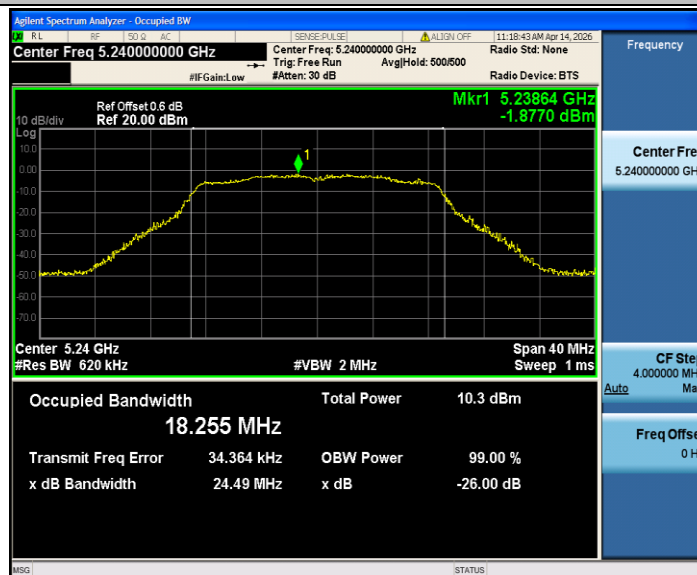
11N20SISO_Ant1_5180



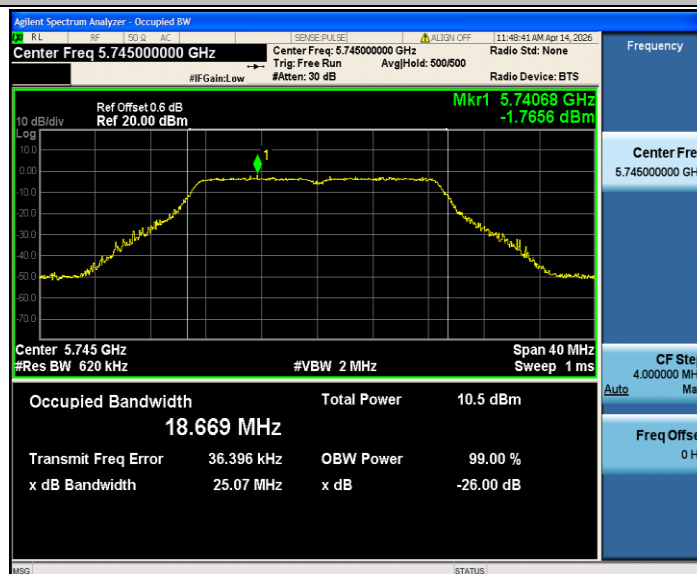
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



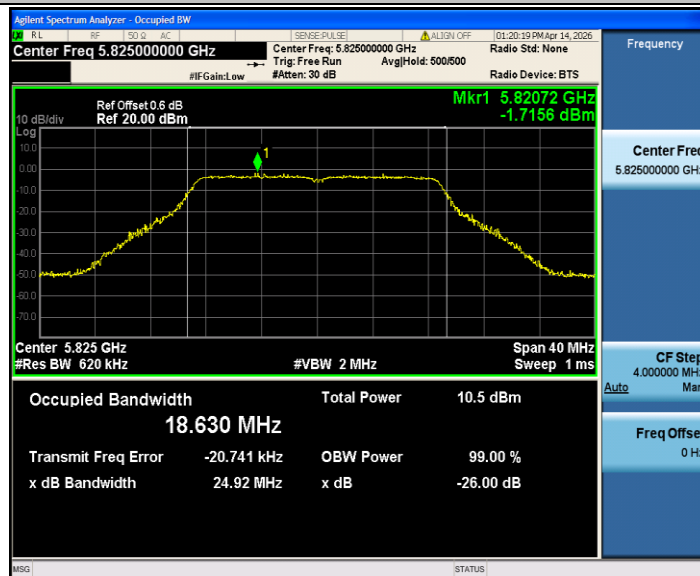
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



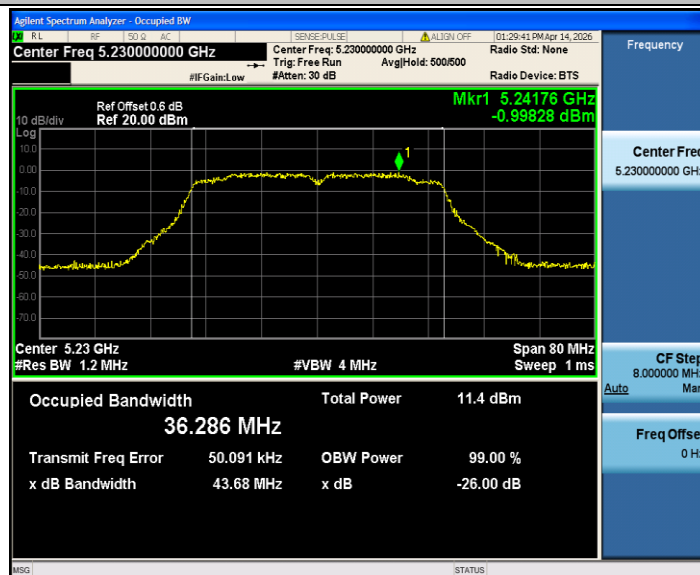
11N20SISO_Ant1_5825



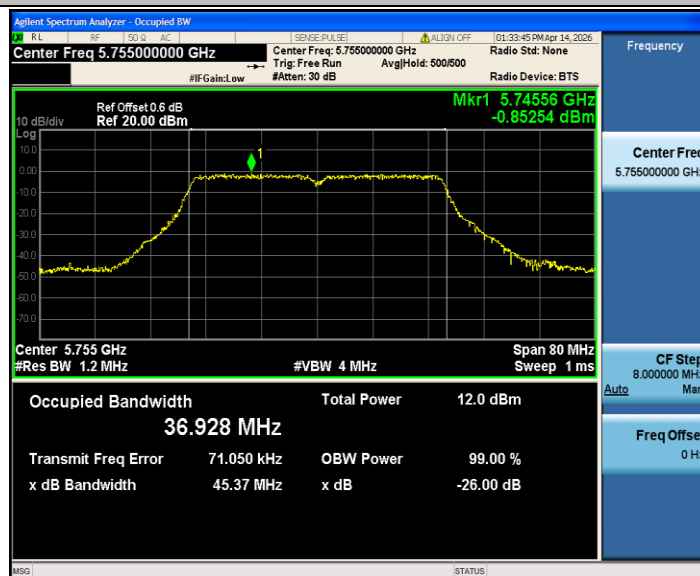
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



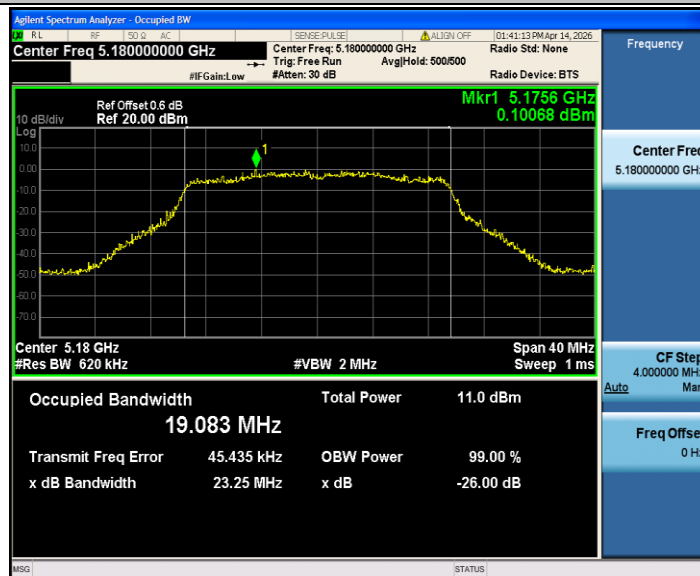
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



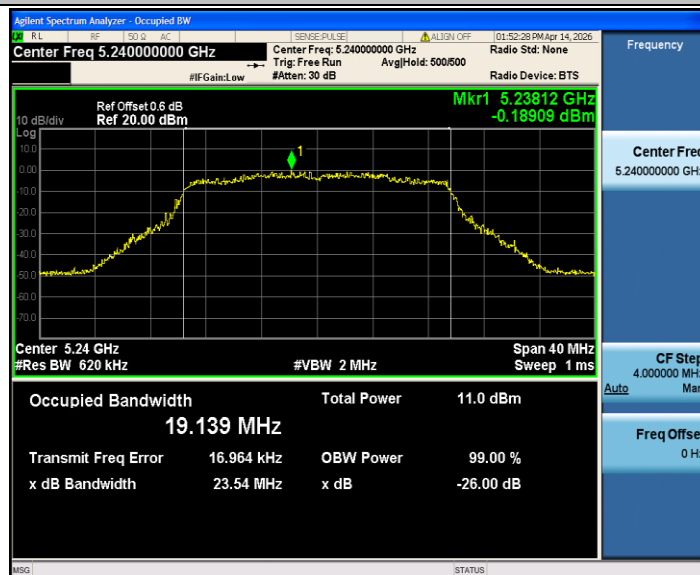
11AC20SISO_Ant1_5180



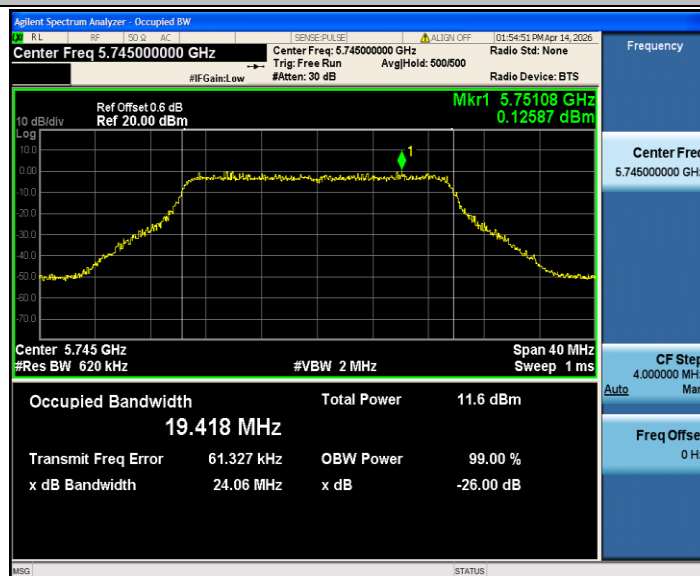
11AC20SISO_Ant1_5220



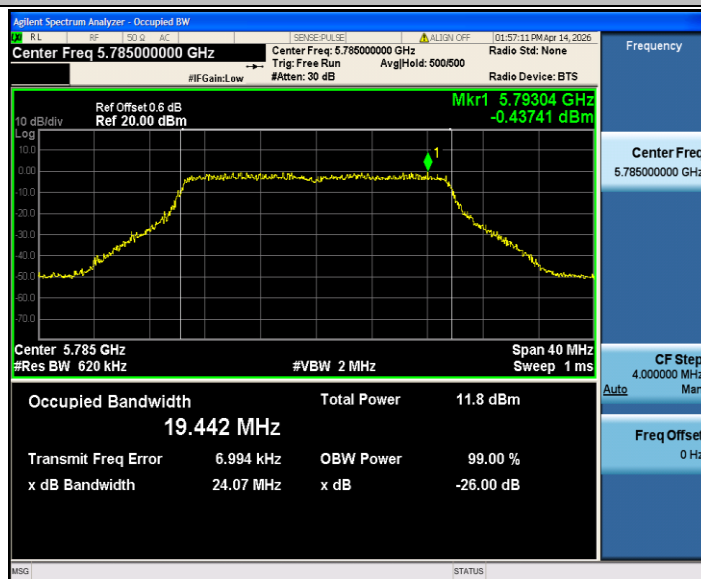
11AC20SISO_Ant1_5240



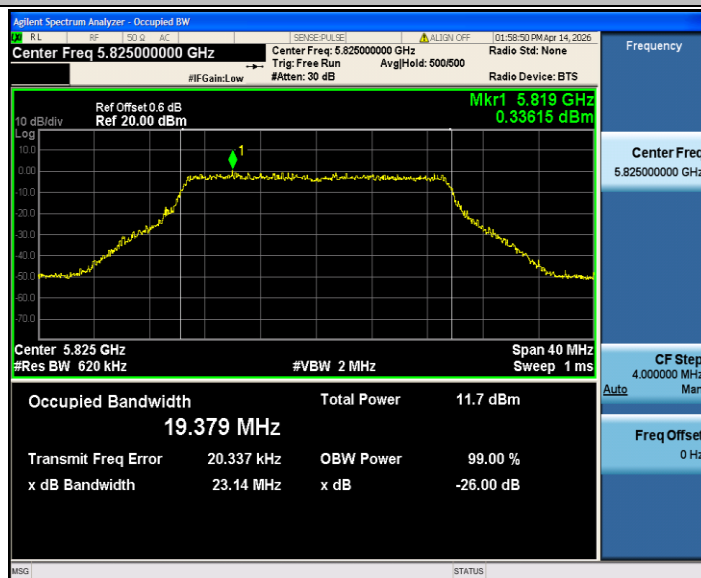
11AC20SISO_Ant1_5745



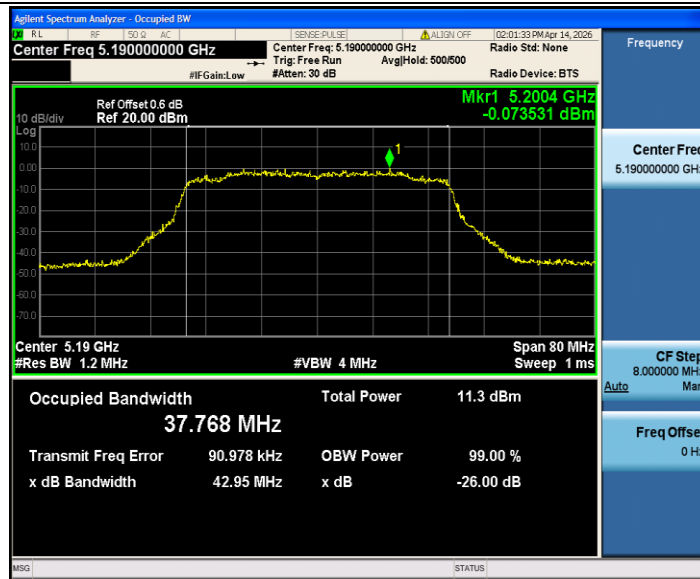
11AC20SISO_Ant1_5785



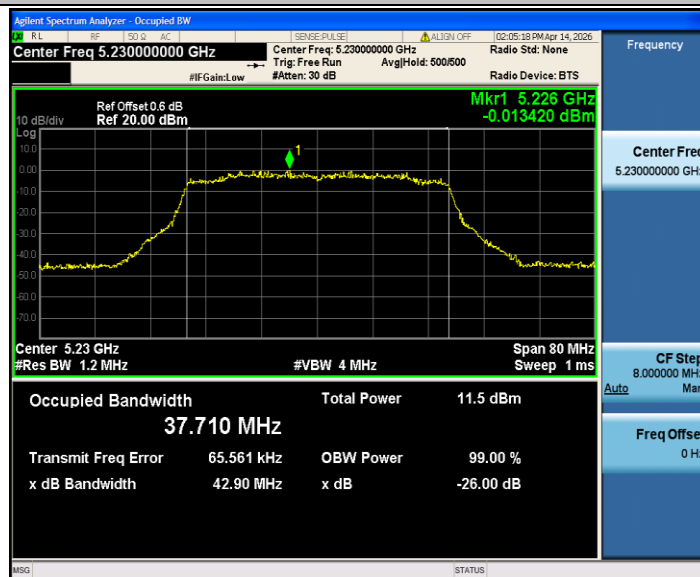
11AC20SISO_Ant1_5825



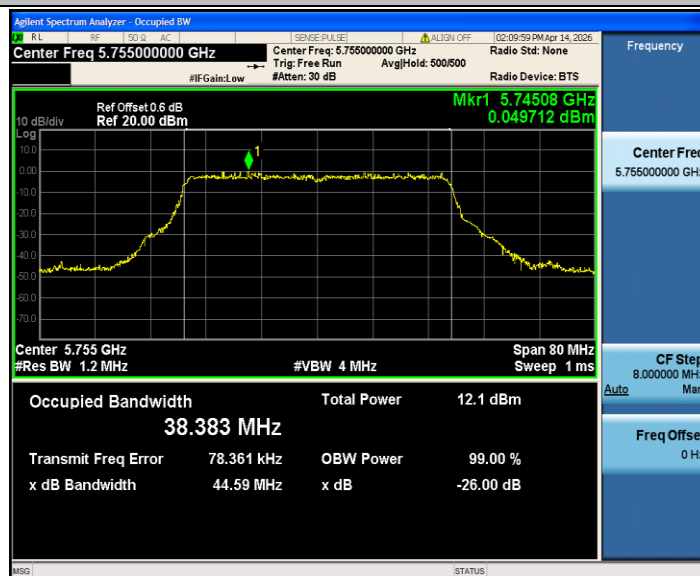
11AC40SISO_Ant1_5190



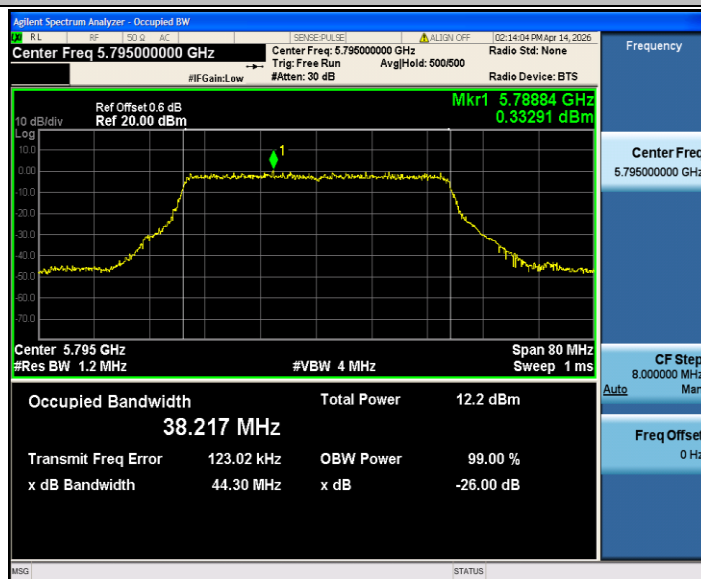
11AC40ISO_Ant1_5230



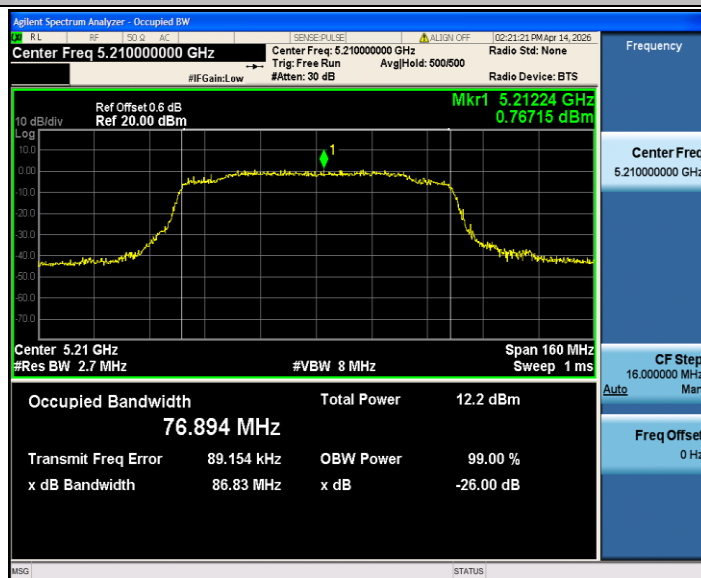
11AC40ISO_Ant1_5755



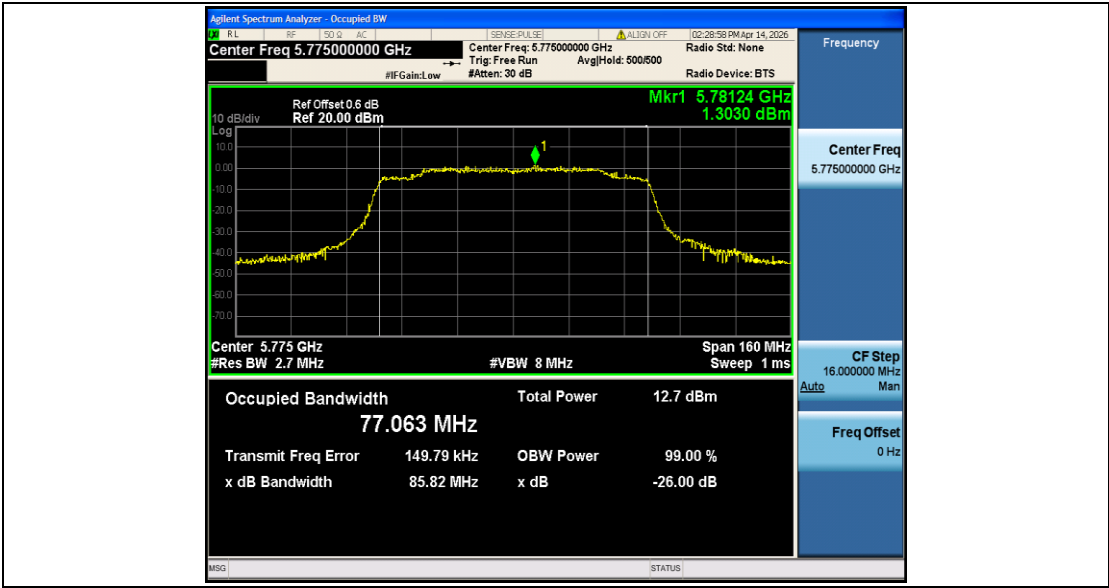
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix A3: Min emission bandwidth

Test Result B4

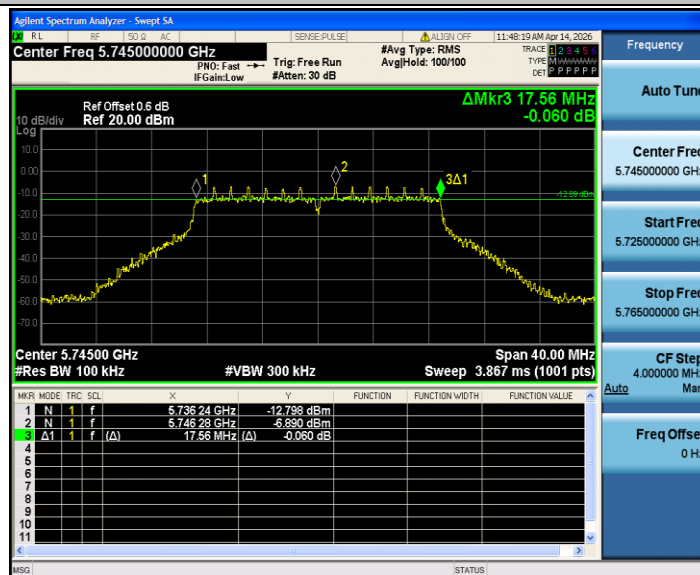
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.080	5776.840	5812.920	0.5	PASS
11AC20SISO	Ant1	5745	18.600	5735.880	5754.480	0.5	PASS
		5785	18.600	5775.720	5794.320	0.5	PASS
		5825	18.000	5815.880	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	37.680	5736.280	5773.960	0.5	PASS
		5795	37.920	5776.040	5813.960	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

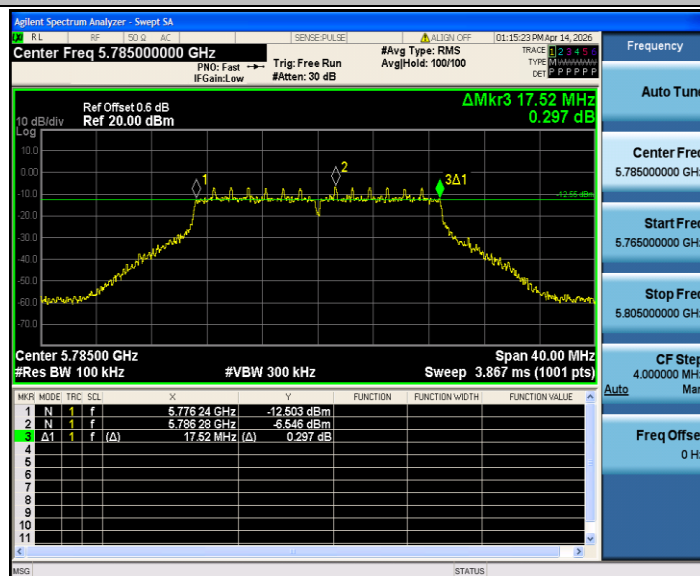




11N20SISO_Ant1_5745



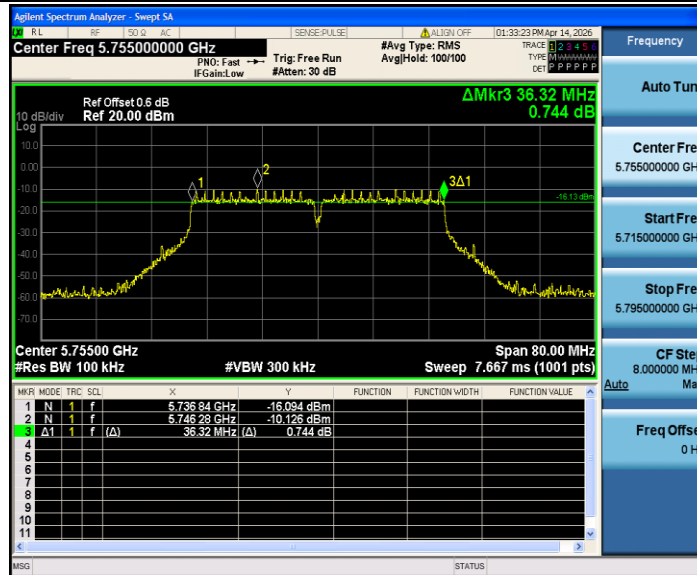
11N20SISO_Ant1_5785



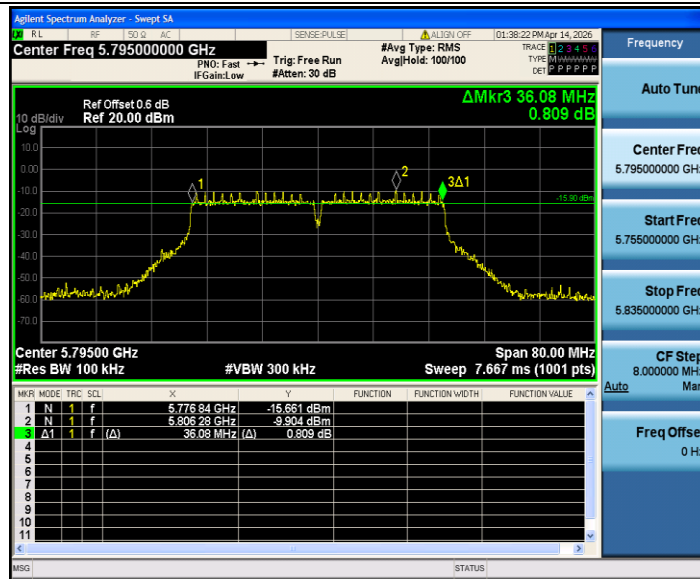
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

