

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000215

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	5745	23.640	5733.680	5757.320	---	---
		5785	23.480	5772.960	5796.440	---	---
		5825	23.520	5812.880	5836.400	---	---
11N20SISO	Ant1	5745	23.080	5733.480	5756.560	---	---
		5785	23.480	5773.200	5796.680	---	---
		5825	23.280	5813.040	5836.320	---	---
11N40SISO	Ant1	5755	44.560	5733.000	5777.560	---	---
		5795	44.720	5773.080	5817.800	---	---
11AC20SISO	Ant1	5745	23.080	5733.520	5756.600	---	---
		5785	23.120	5773.520	5796.640	---	---
		5825	23.880	5812.760	5836.640	---	---
11AC40SISO	Ant1	5755	43.760	5733.480	5777.240	---	---
		5795	44.160	5773.640	5817.800	---	---
11AX20SISO	Ant1	5745	23.080	5733.560	5756.640	---	---
		5785	23.680	5773.400	5797.080	---	---
		5825	23.320	5813.720	5837.040	---	---
11AX40SISO	Ant1	5755	43.360	5734.040	5777.400	---	---
		5795	43.600	5773.960	5817.560	---	---

Test Graphs



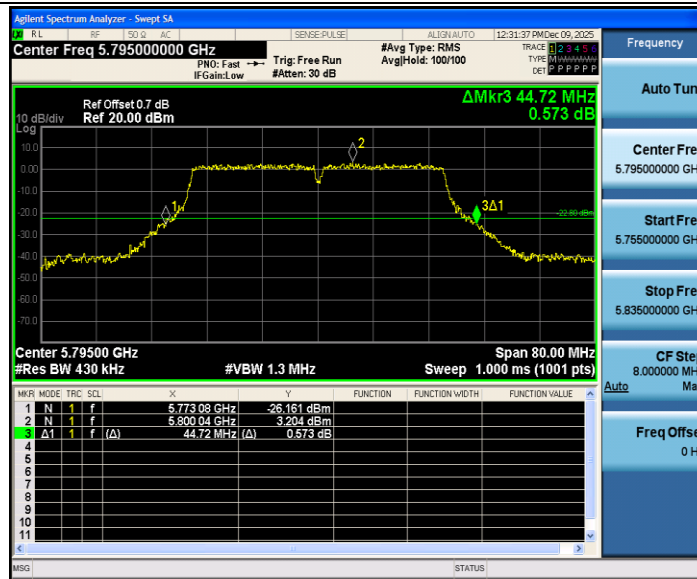


11N20SISO_Ant1_5745



11N20SISO_Ant1_5785





11AC20SISO_Ant1_5745



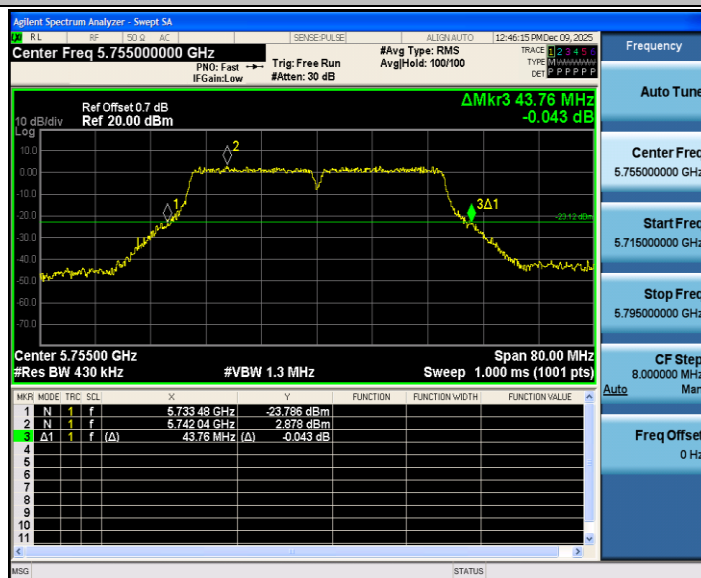
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



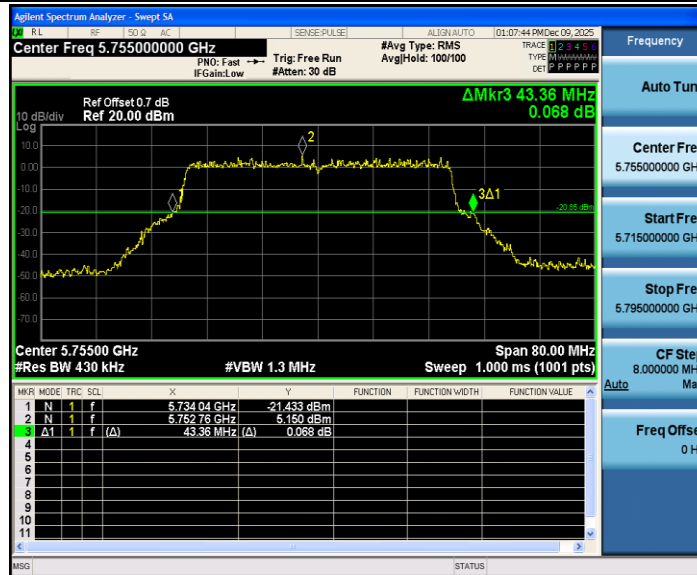
11AX20SISO_Ant1_5785



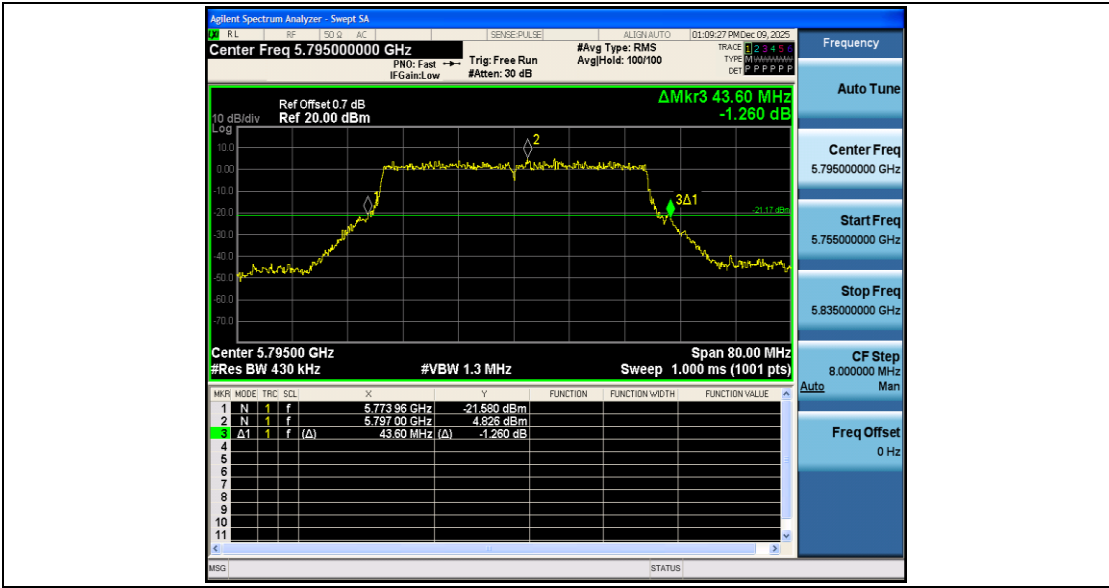
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



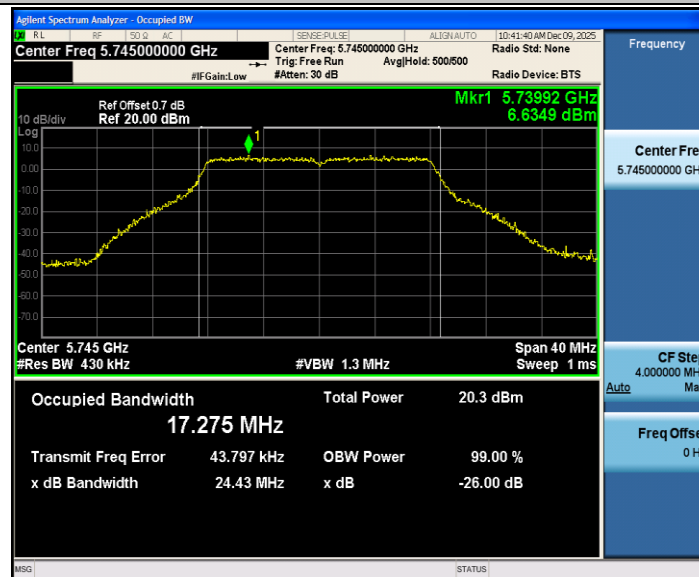
Appendix A2: Occupied channel bandwidth

Test Result

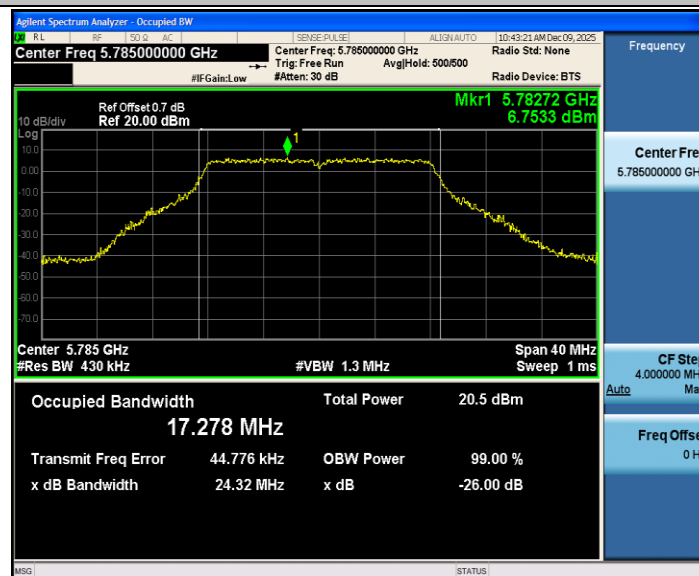
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.275	5736.4063	5753.6813	---	---
		5785	17.278	5776.4058	5793.6838	---	---
		5825	17.280	5816.3847	5833.6647	---	---
11N20SISO	Ant1	5745	18.327	5735.8510	5754.1780	---	---
		5785	18.363	5775.8420	5794.2050	---	---
		5825	18.327	5815.8313	5834.1583	---	---
11N40SISO	Ant1	5755	36.757	5736.6892	5773.4462	---	---
		5795	36.736	5776.7425	5813.4785	---	---
11AC20SISO	Ant1	5745	18.382	5735.8373	5754.2193	---	---
		5785	18.320	5775.8646	5794.1846	---	---
		5825	18.314	5815.8892	5834.2032	---	---
11AC40SISO	Ant1	5755	36.634	5736.8037	5773.4377	---	---
		5795	36.721	5776.7120	5813.4330	---	---
11AX20SISO	Ant1	5745	19.251	5735.4100	5754.6610	---	---
		5785	19.174	5775.4353	5794.6093	---	---
		5825	19.197	5815.4026	5834.5996	---	---
11AX40SISO	Ant1	5755	38.103	5736.0507	5774.1537	---	---
		5795	38.073	5776.0583	5814.1313	---	---

Test Graphs

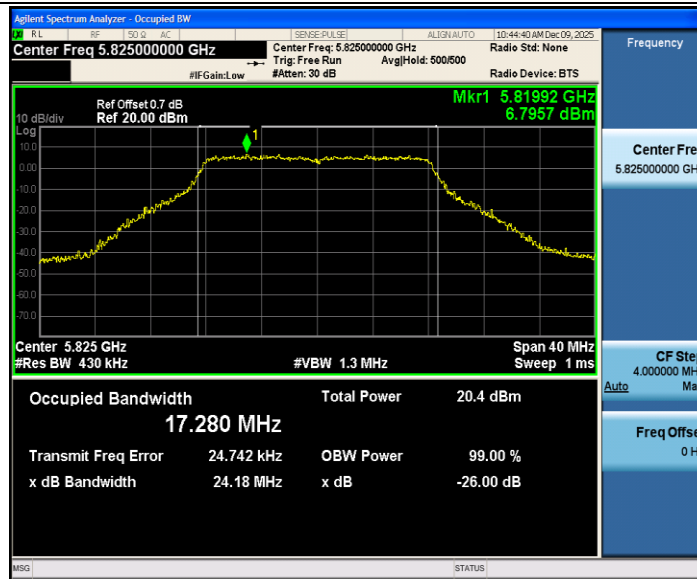
11A_Ant1_5745



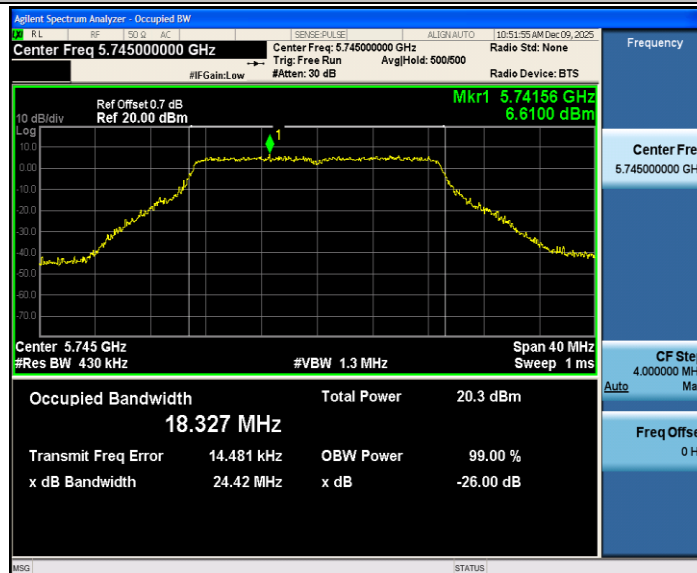
11A_Ant1_5785



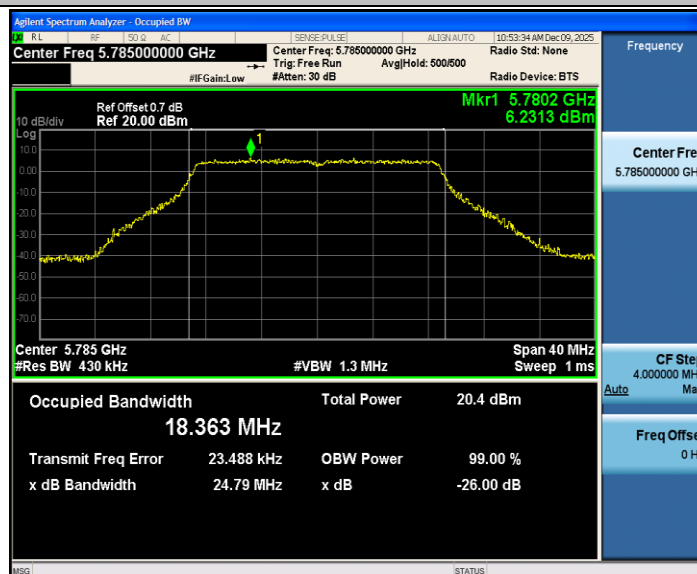
11A_Ant1_5825



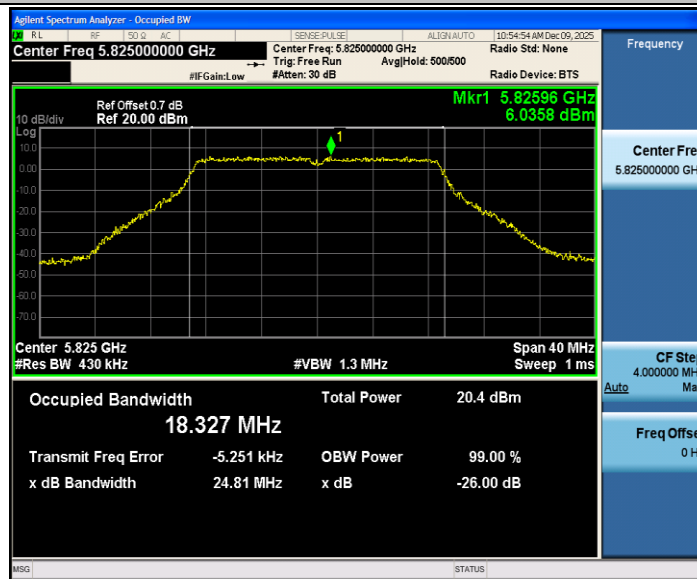
11N20SISO_Ant1_5745



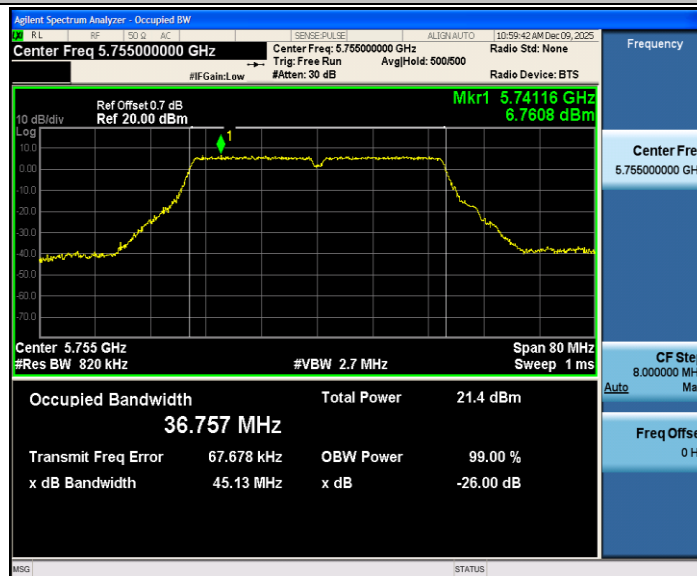
11N20SISO_Ant1_5785



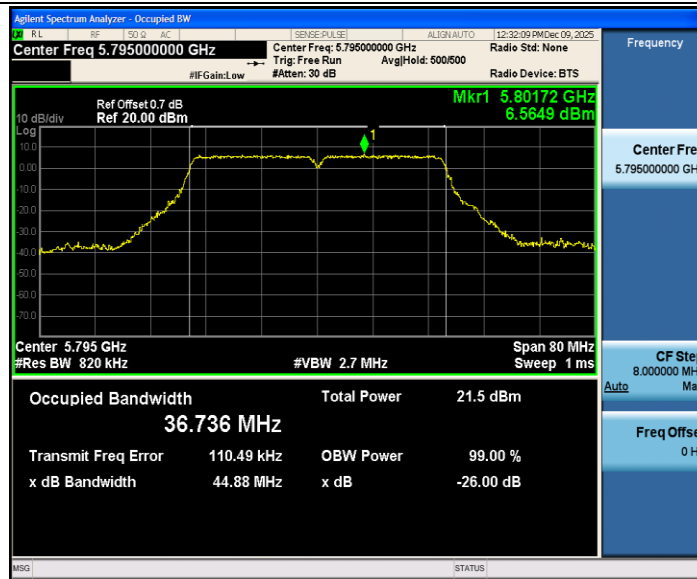
11N20SISO_Ant1_5825



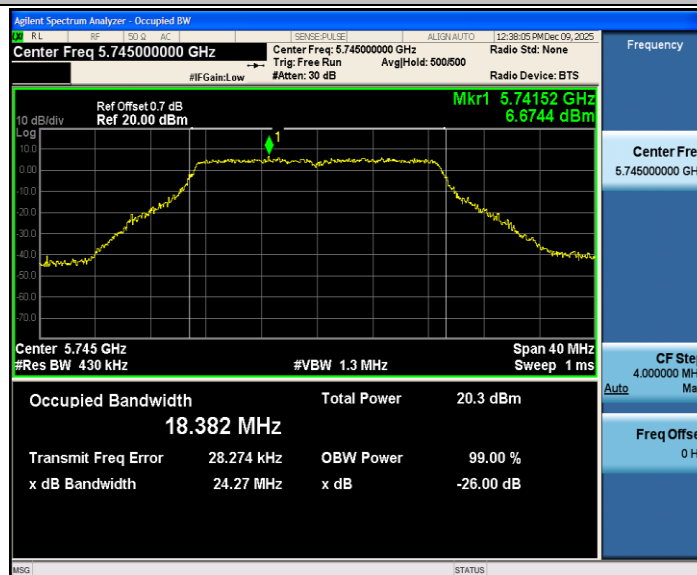
11N40SISO_Ant1_5755



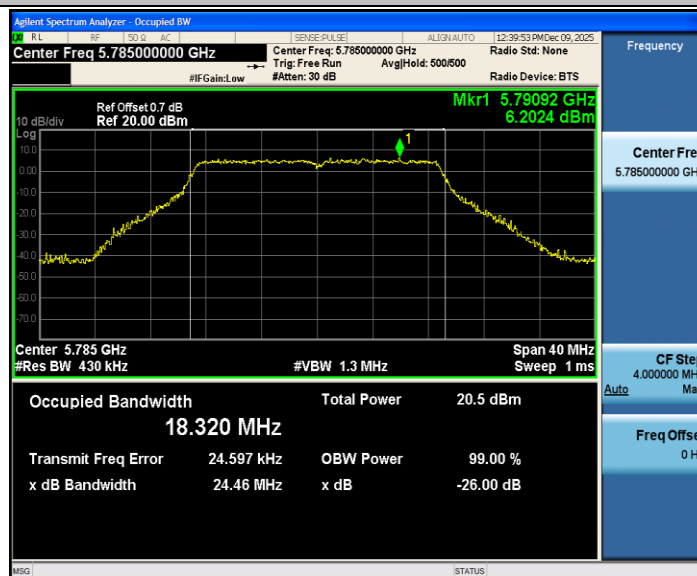
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



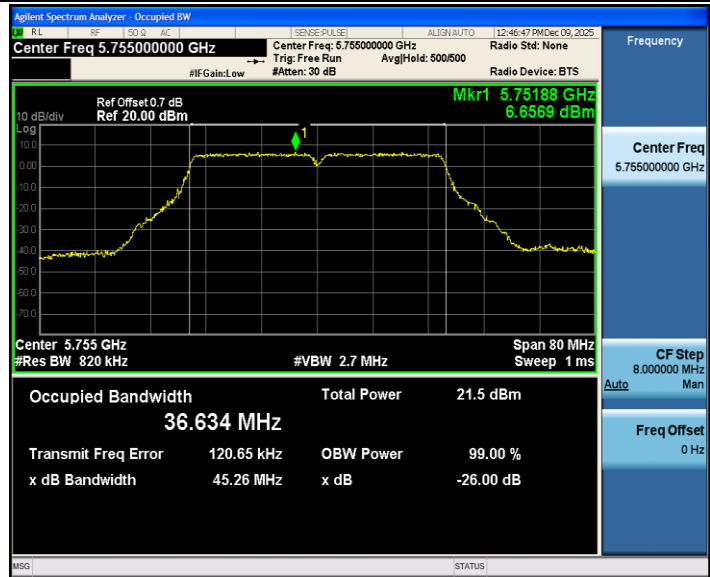
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



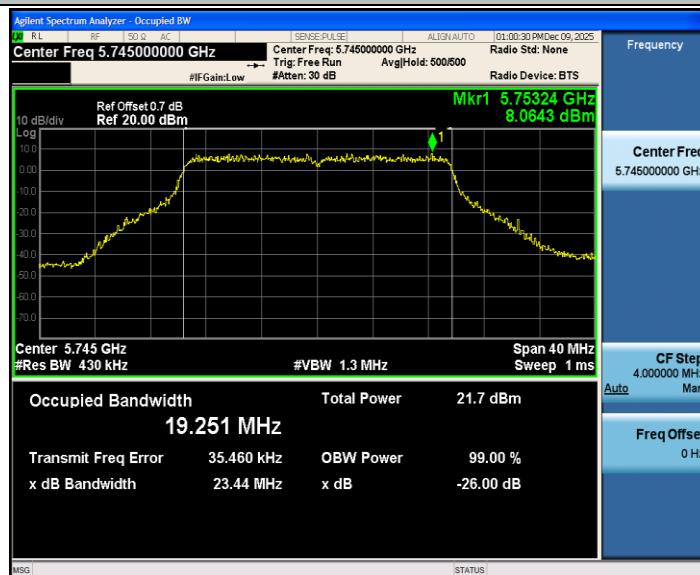
11AC40SISO_Ant1_5755



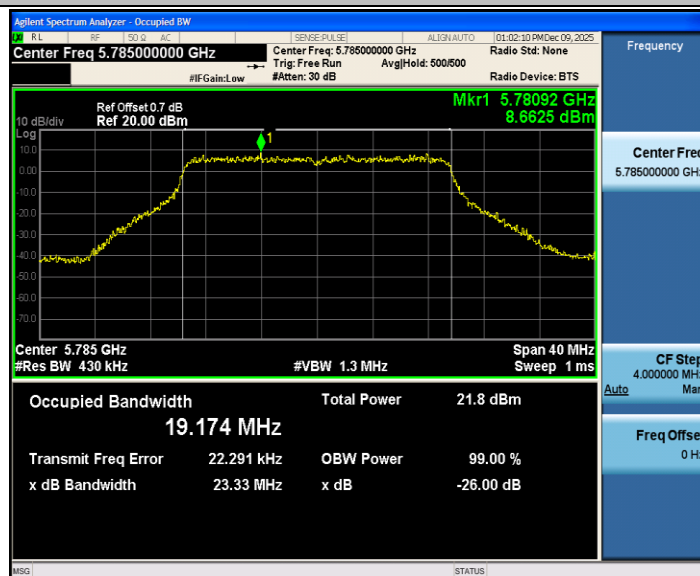
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



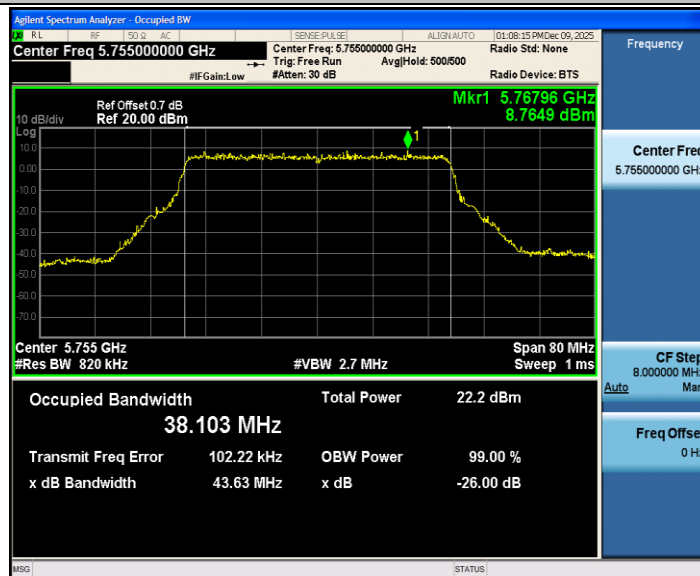
11AX20SISO_Ant1_5785



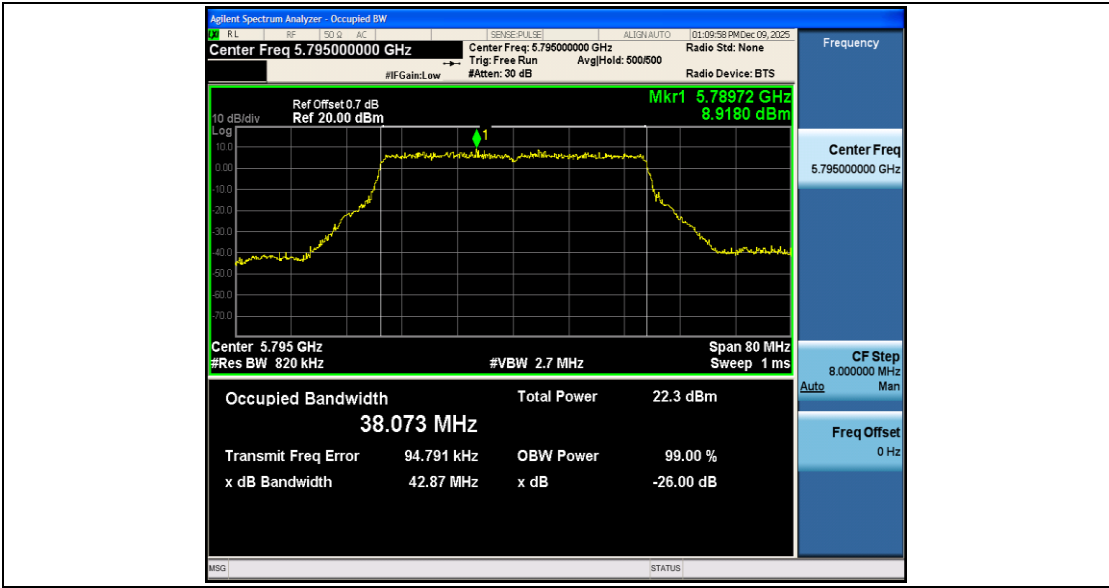
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

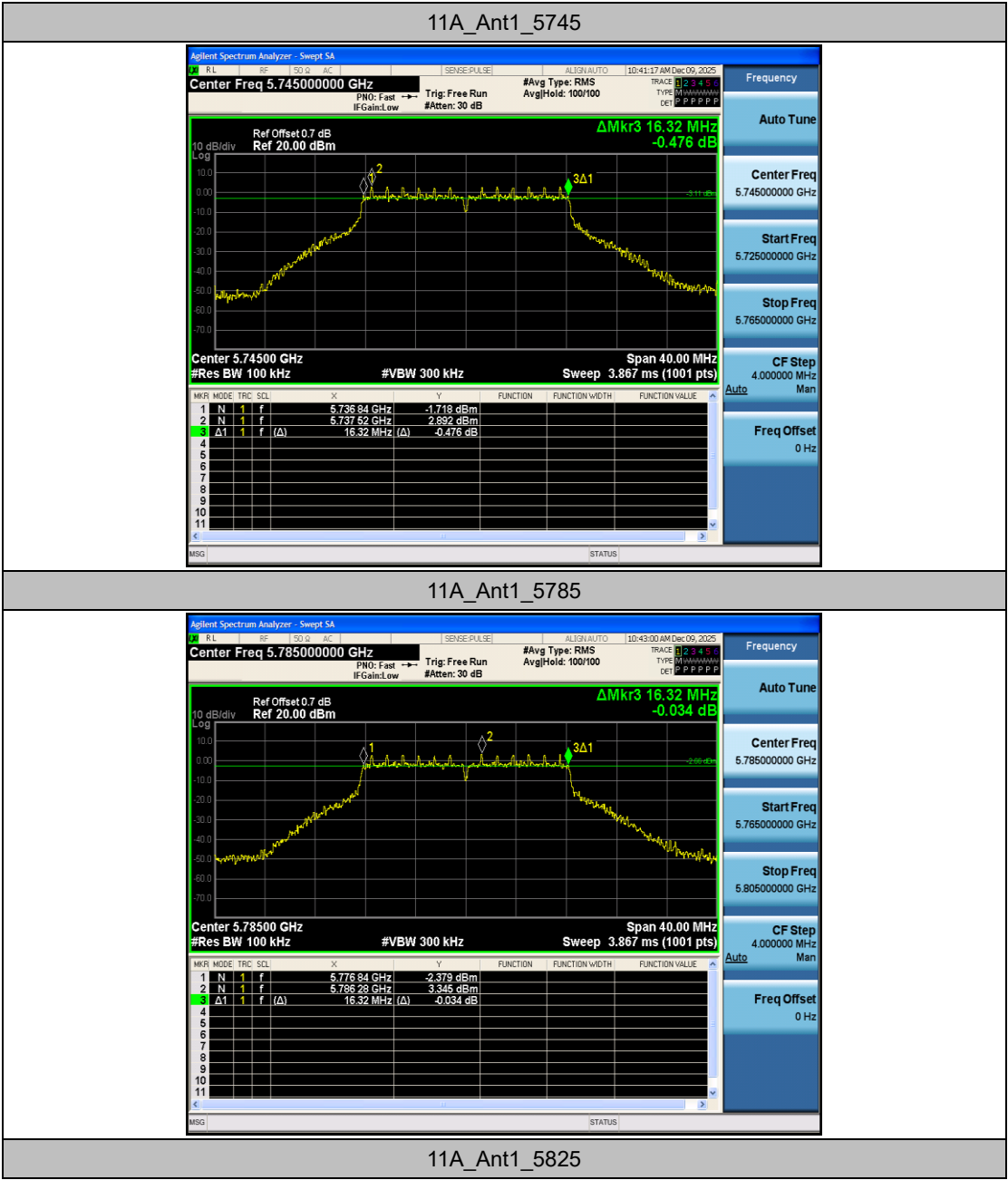


Appendix A3: Min emission bandwidth

Test Result B4

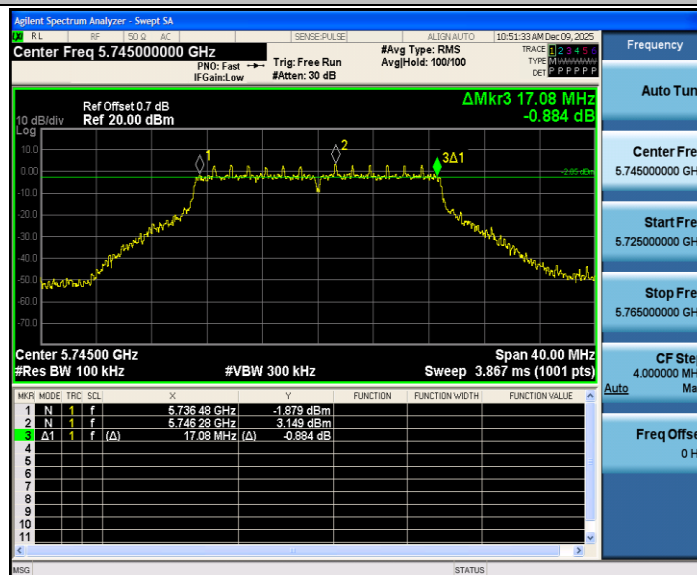
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.080	5736.480	5753.560	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.320	5816.240	5833.560	0.5	PASS
11N40SISO	Ant1	5755	36.000	5737.160	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.320	5776.480	5793.800	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AX20SISO	Ant1	5745	18.520	5735.760	5754.280	0.5	PASS
		5785	18.560	5775.800	5794.360	0.5	PASS
		5825	18.200	5815.880	5834.080	0.5	PASS
11AX40SISO	Ant1	5755	37.680	5736.280	5773.960	0.5	PASS
		5795	37.600	5776.280	5813.880	0.5	PASS

Test Graphs B4

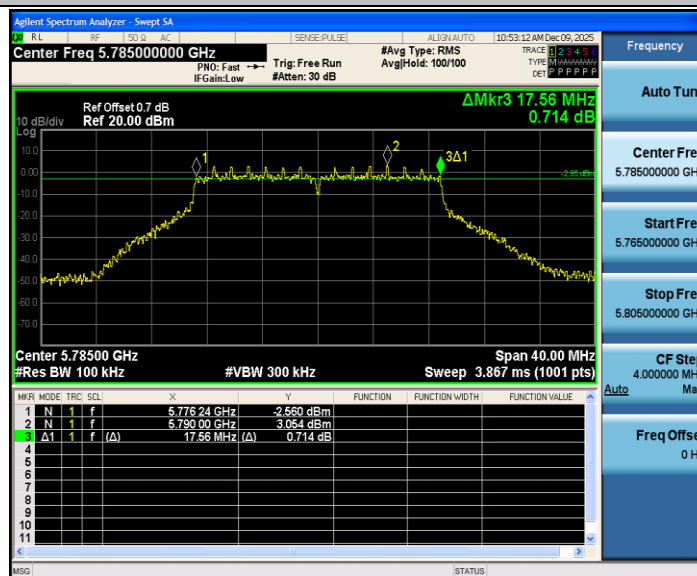




11N20SISO_Ant1_5745



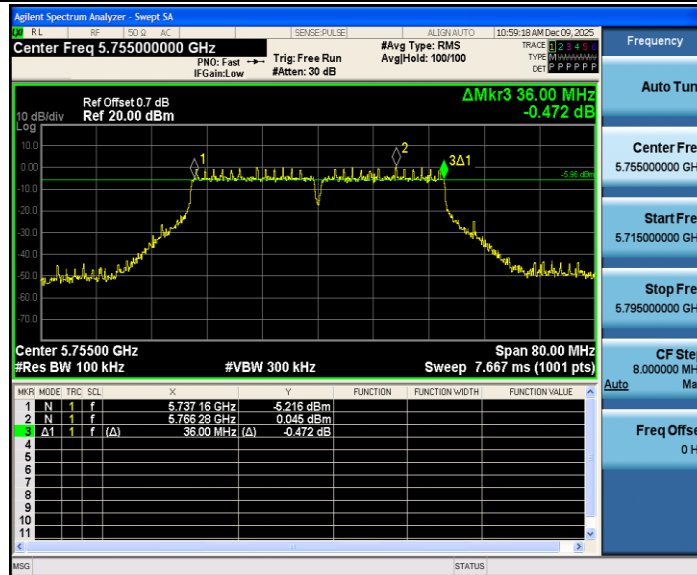
11N20SISO_Ant1_5785



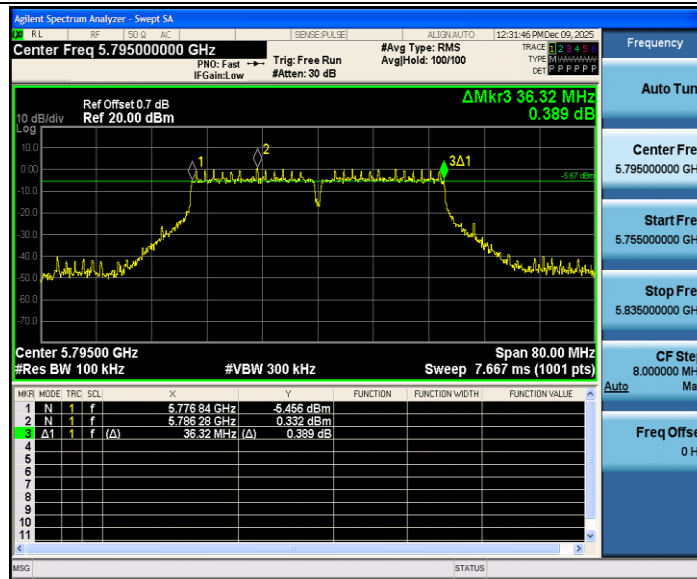
11N20SISO_Ant1_5825



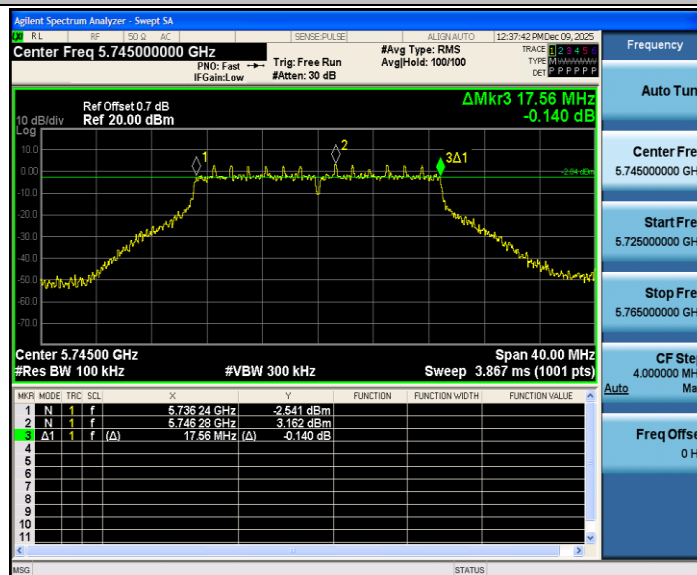
11N40SISO_Ant1_5755



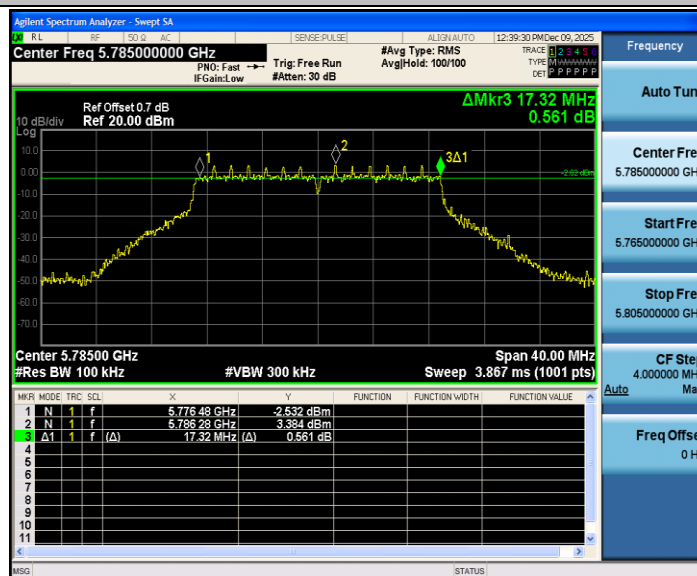
11N40SISO_Ant1_5795



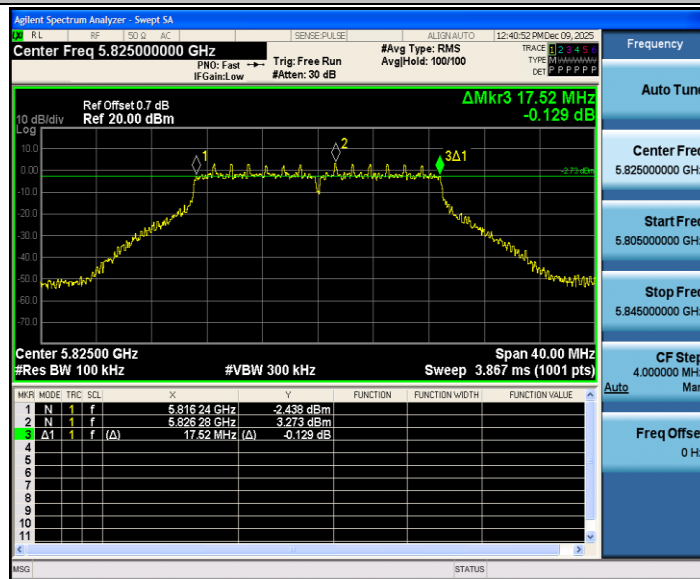
11AC20SISO_Ant1_5745



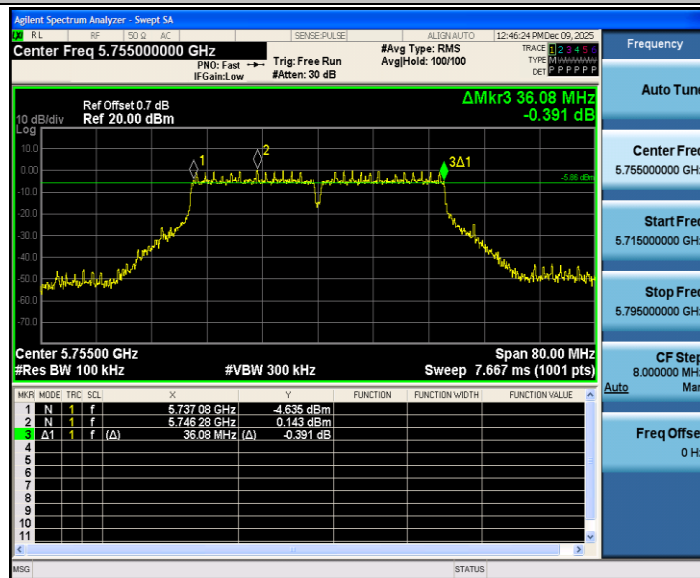
11AC20SISO_Ant1_5785



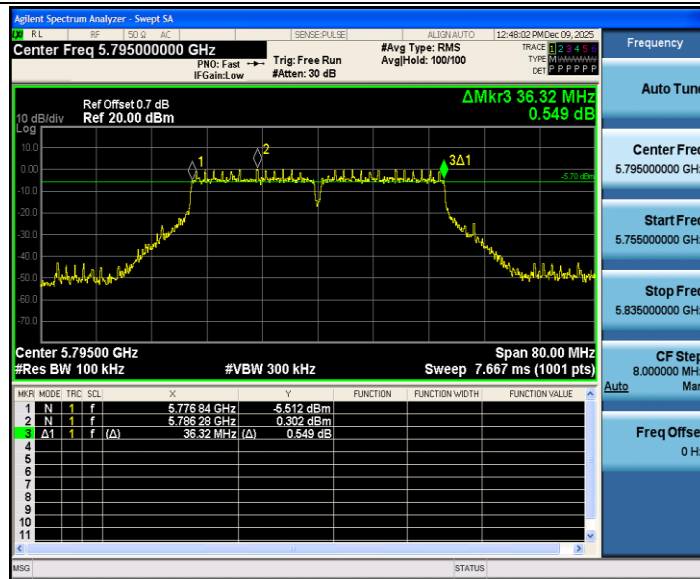
11AC20SISO_Ant1_5825



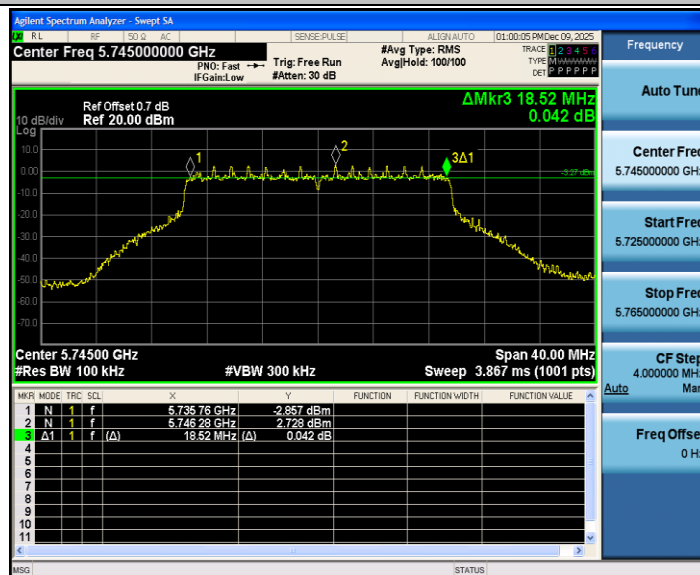
11AC40SISO_Ant1_5755



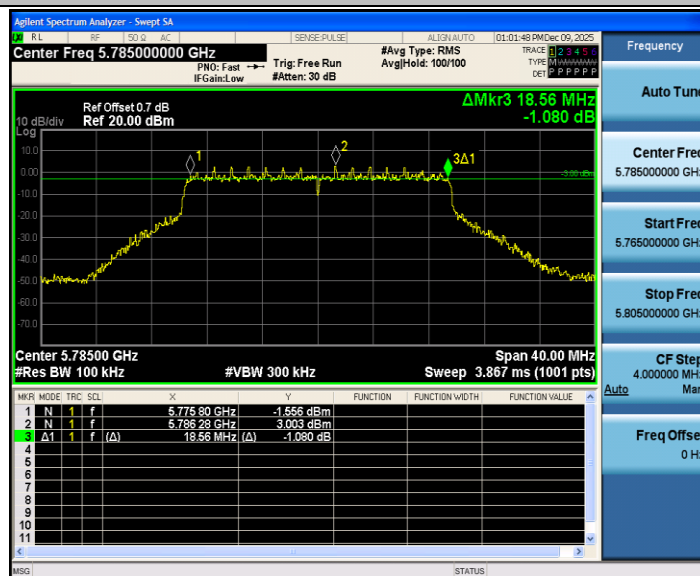
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



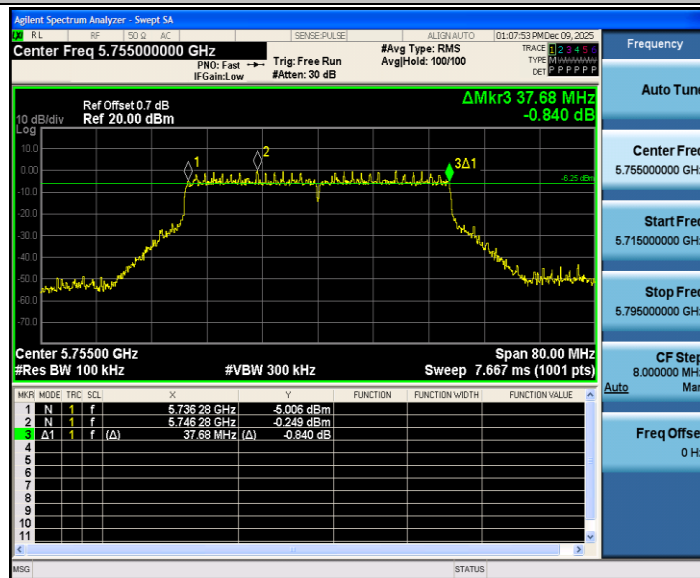
11AX20SISO_Ant1_5785



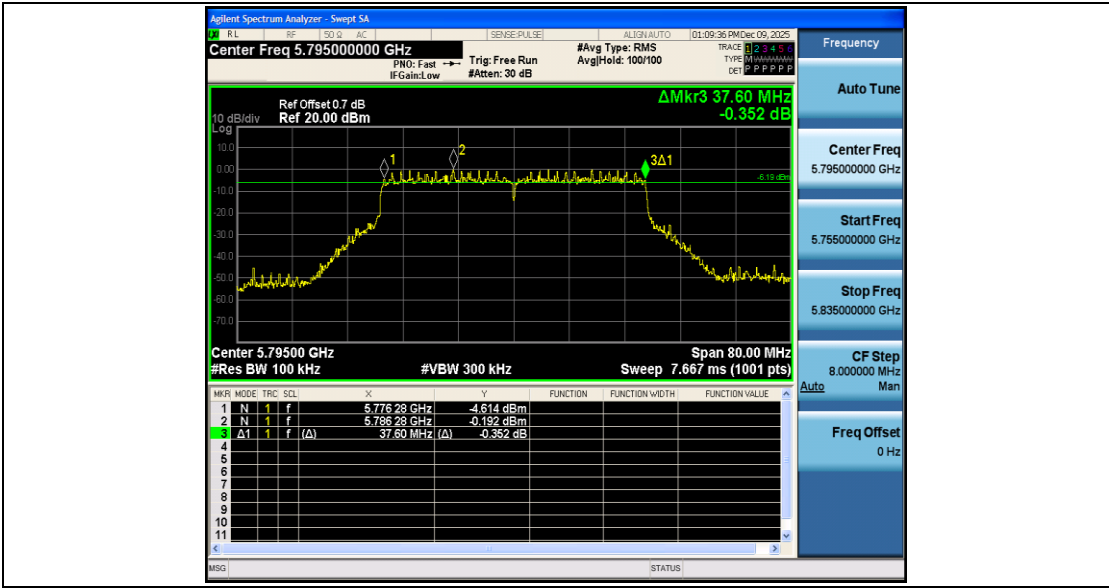
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

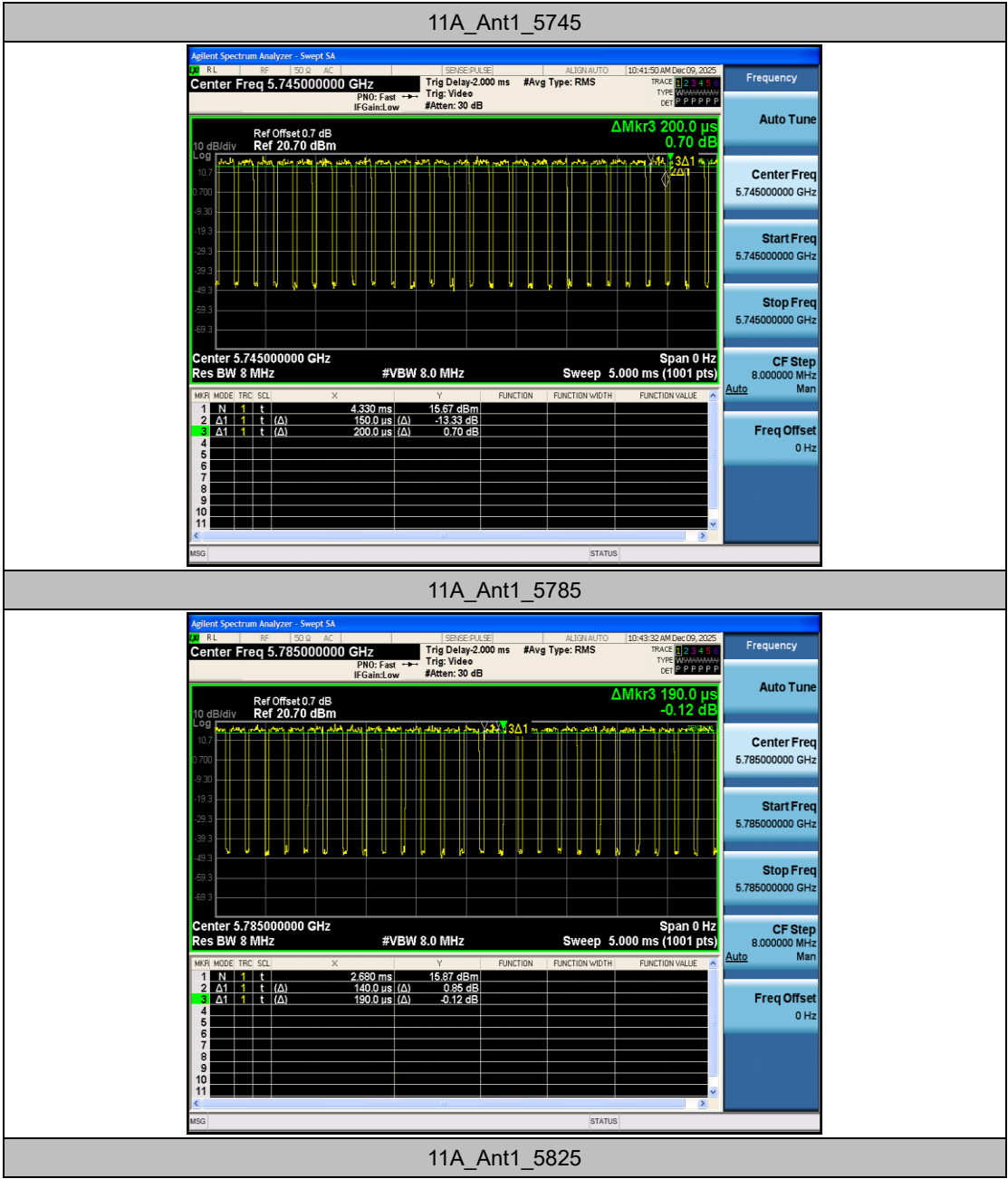


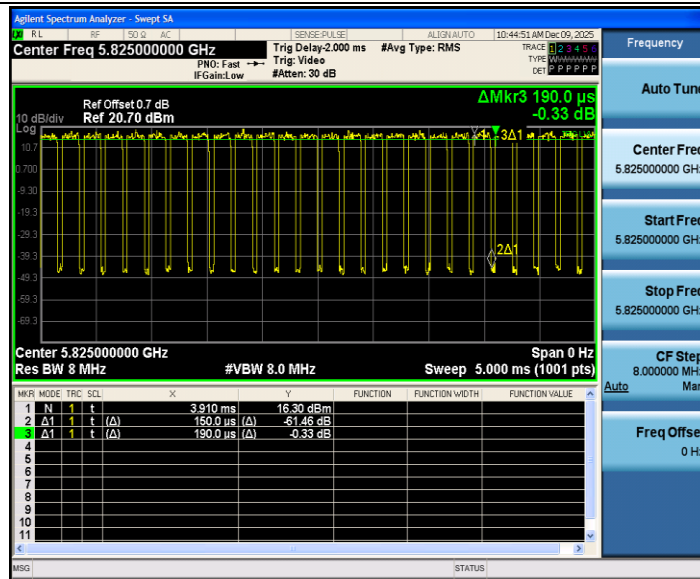
Appendix B: Duty Cycle

Test Result

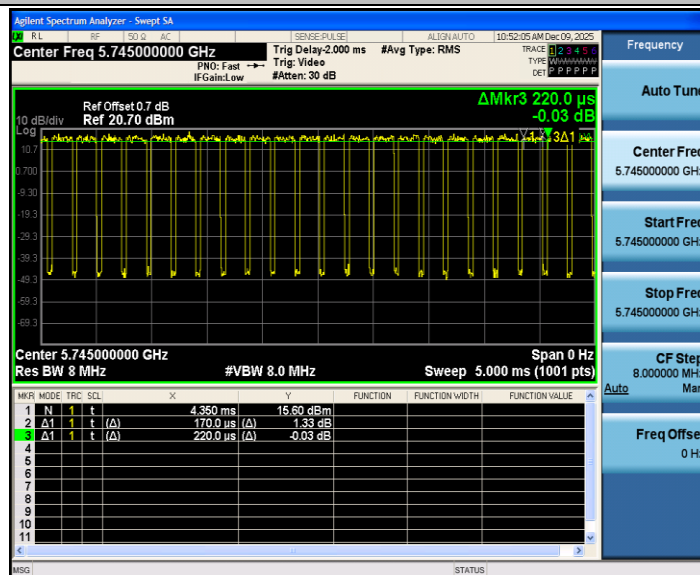
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5745	0.15	0.20	75.00	1.25	---	---
		5785	0.14	0.19	73.68	1.33	---	---
		5825	0.15	0.19	78.95	1.03	---	---
11N20SISO	Ant1	5745	0.17	0.22	77.27	1.12	---	---
		5785	0.17	0.22	77.27	1.12	---	---
		5825	0.17	0.22	77.27	1.12	---	---
11N40SISO	Ant1	5755	0.18	0.23	78.26	1.06	---	---
		5795	0.18	0.23	78.26	1.06	---	---
11AC20SISO	Ant1	5745	0.16	0.21	76.19	1.18	---	---
		5785	0.16	0.21	76.19	1.18	---	---
		5825	0.16	0.21	76.19	1.18	---	---
11AC40SISO	Ant1	5755	0.16	0.21	76.19	1.18	---	---
		5795	0.16	0.21	76.19	1.18	---	---
11AX20SISO	Ant1	5745	0.25	0.30	83.33	0.79	---	---
		5785	0.26	0.31	83.87	0.76	---	---
		5825	0.26	0.31	83.87	0.76	---	---
11AX40SISO	Ant1	5755	0.18	0.23	78.26	1.06	---	---
		5795	0.17	0.22	77.27	1.12	---	---

Test Graphs

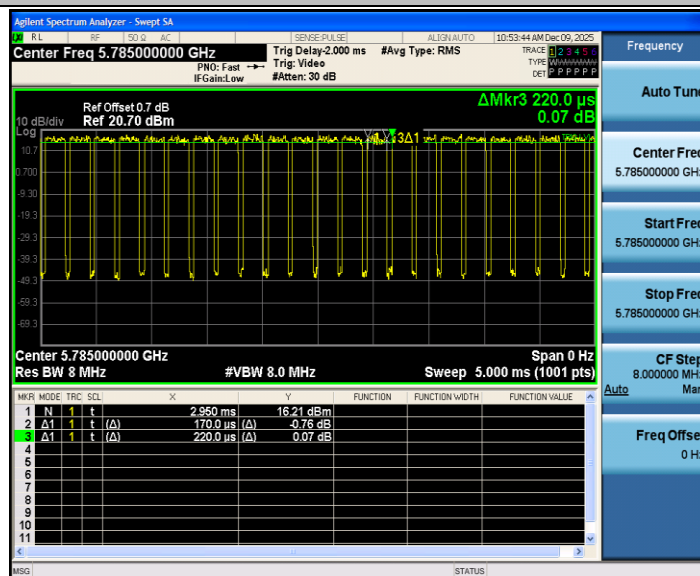




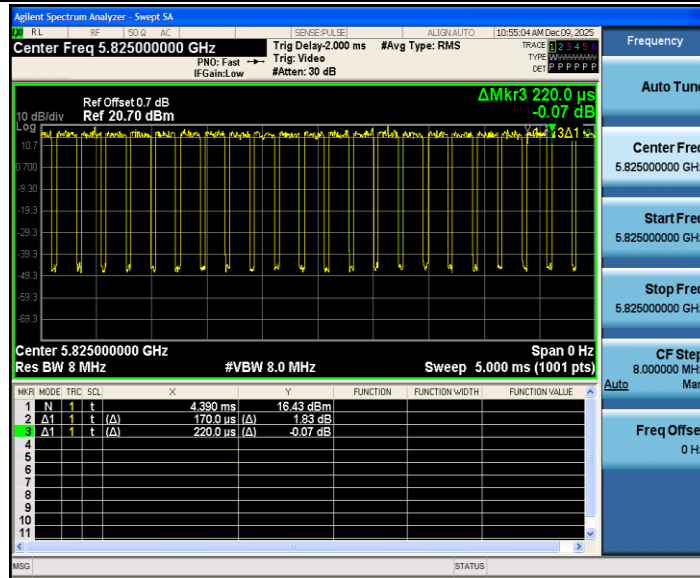
11N20SISO_Ant1_5745



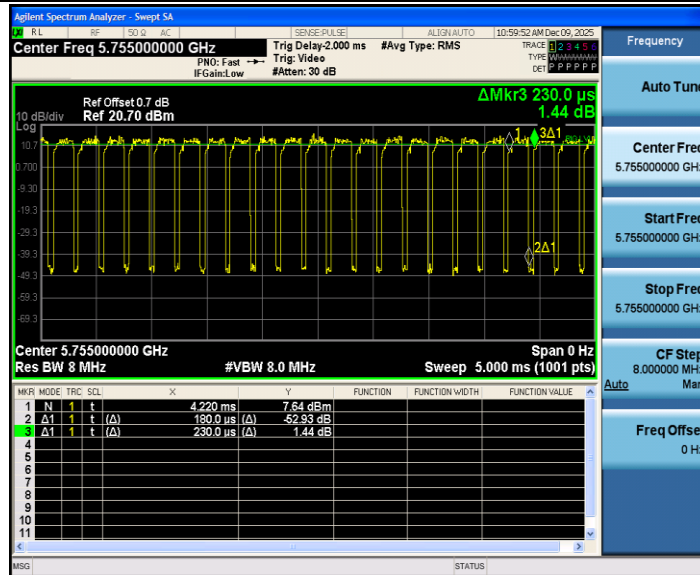
11N20SISO_Ant1_5785



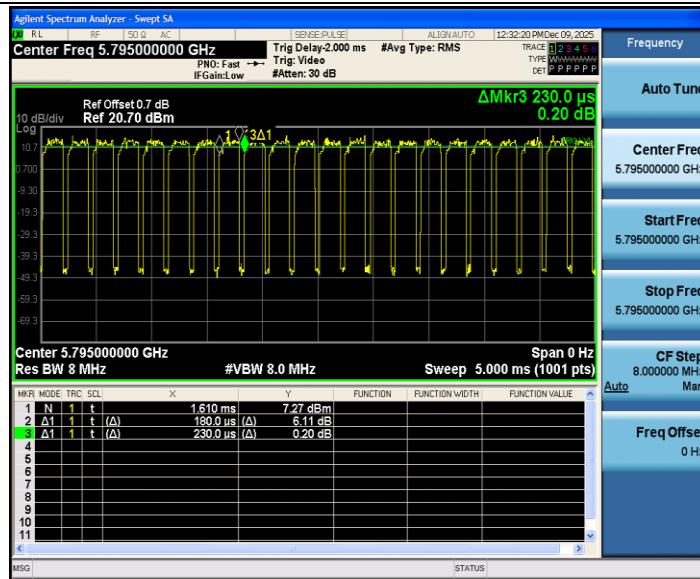
11N20SISO_Ant1_5825



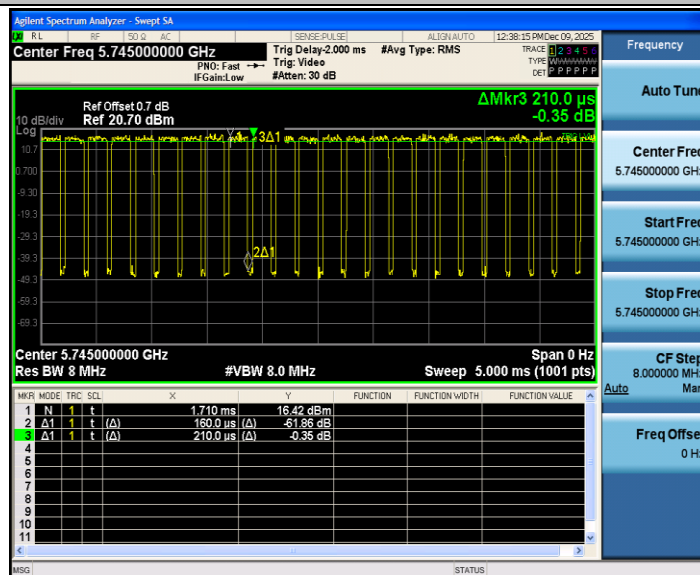
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

