

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2ASORQ6

Company : Shenzhen Jianida Electronics Co. Ltd.

EUT : Surveillance camera

Model Number : Q6

Report No. : CTA25112001902

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	22.400	5168.800	5191.200	---	---
		5220	22.600	5209.000	5231.600	---	---
		5240	22.360	5228.920	5251.280	---	---
11N20SISO	Ant1	5180	22.800	5168.720	5191.520	---	---
		5220	21.920	5209.040	5230.960	---	---
		5240	22.360	5228.920	5251.280	---	---
11N40SISO	Ant1	5190	42.960	5168.720	5211.680	---	---
		5230	43.360	5208.480	5251.840	---	---
11AC20SISO	Ant1	5180	22.720	5169.000	5191.720	---	---
		5220	22.560	5208.520	5231.080	---	---
		5240	22.480	5229.000	5251.480	---	---
11AC40SISO	Ant1	5190	42.400	5169.040	5211.440	---	---
		5230	42.560	5208.720	5251.280	---	---
11AX20SISO	Ant1	5180	22.800	5168.400	5191.200	---	---
		5220	22.720	5208.880	5231.600	---	---
		5240	22.280	5228.840	5251.120	---	---
11AX40SISO	Ant1	5190	41.440	5168.880	5210.320	---	---
		5230	40.880	5209.440	5250.320	---	---

Test Graphs

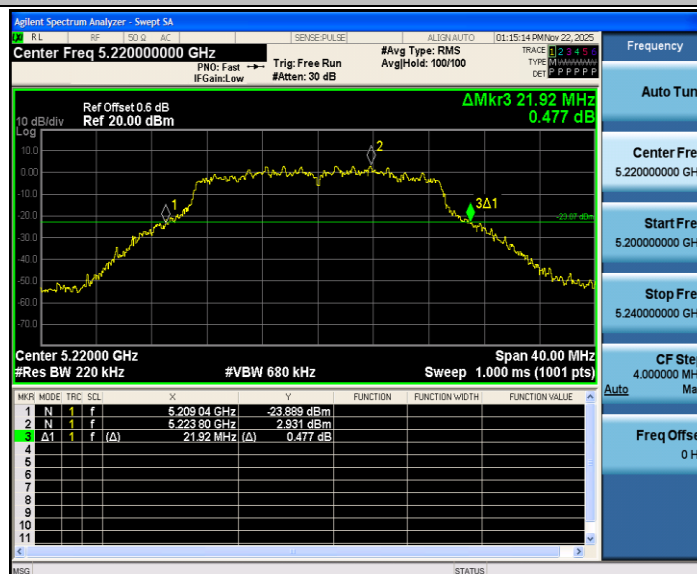




11N20SISO_Ant1_5180



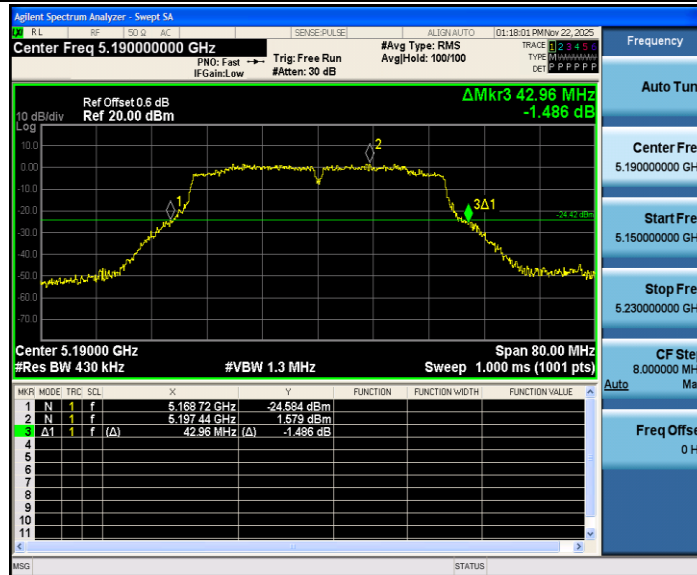
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



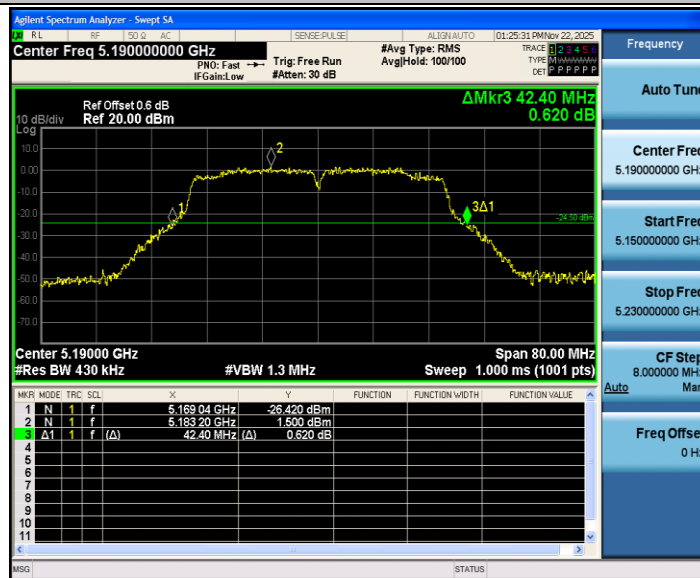
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



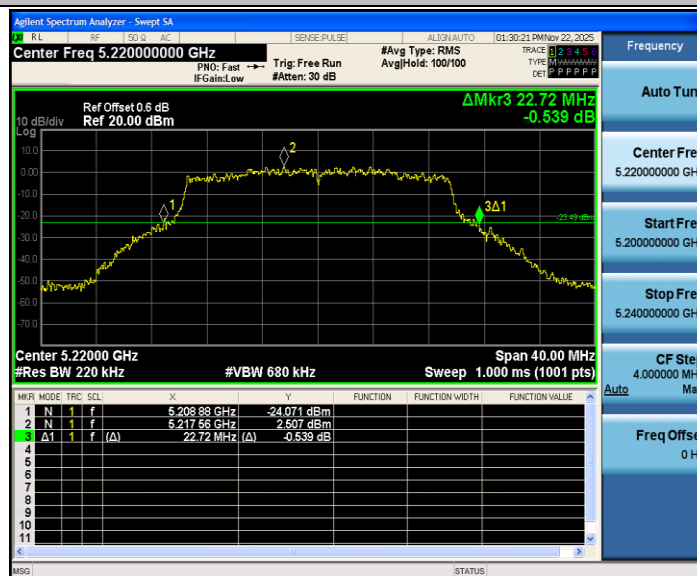
11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5220



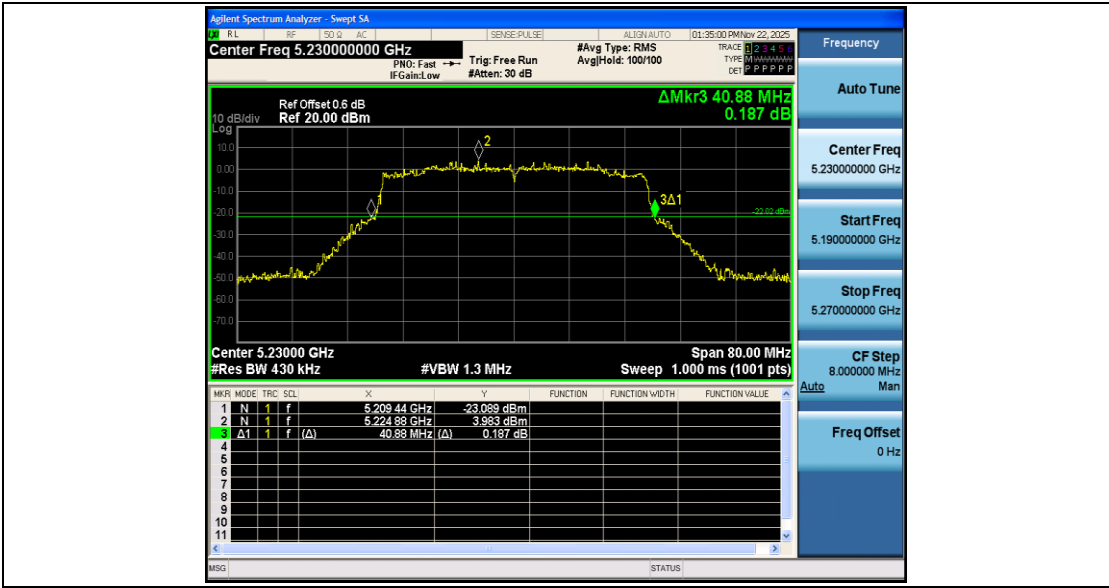
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



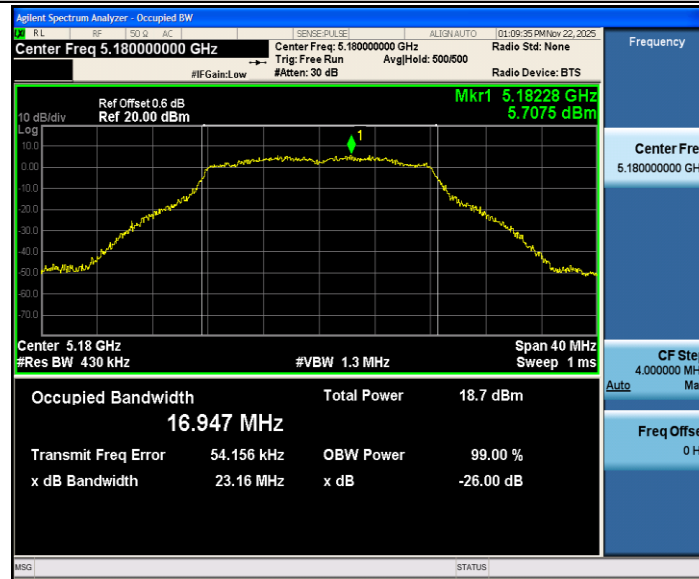
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.947	5171.5807	5188.5277	---	---
		5220	16.950	5211.5842	5228.5342	---	---
		5240	16.949	5231.6000	5248.5490	---	---
11N20SISO	Ant1	5180	17.992	5171.0534	5189.0454	---	---
		5220	17.941	5211.0742	5229.0152	---	---
		5240	17.958	5231.0428	5249.0008	---	---
11N40SISO	Ant1	5190	36.163	5171.9743	5208.1373	---	---
		5230	36.183	5211.9905	5248.1735	---	---
11AC20SISO	Ant1	5180	18.000	5171.0547	5189.0547	---	---
		5220	17.949	5211.0655	5229.0145	---	---
		5240	18.024	5231.0507	5249.0747	---	---
11AC40SISO	Ant1	5190	36.146	5171.9887	5208.1347	---	---
		5230	36.147	5212.0085	5248.1555	---	---
11AX20SISO	Ant1	5180	19.032	5170.5381	5189.5701	---	---
		5220	18.959	5210.5454	5229.5044	---	---
		5240	18.983	5230.5515	5249.5345	---	---
11AX40SISO	Ant1	5190	37.704	5171.1889	5208.8929	---	---
		5230	37.680	5211.2064	5248.8864	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



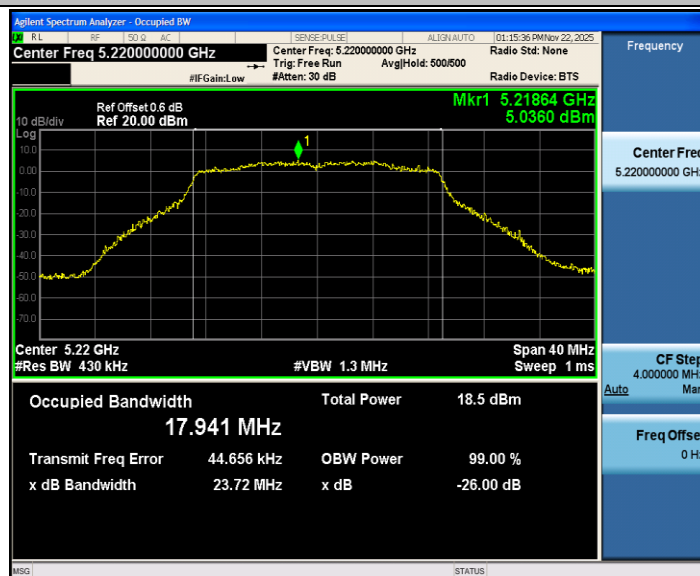
11A_Ant1_5240



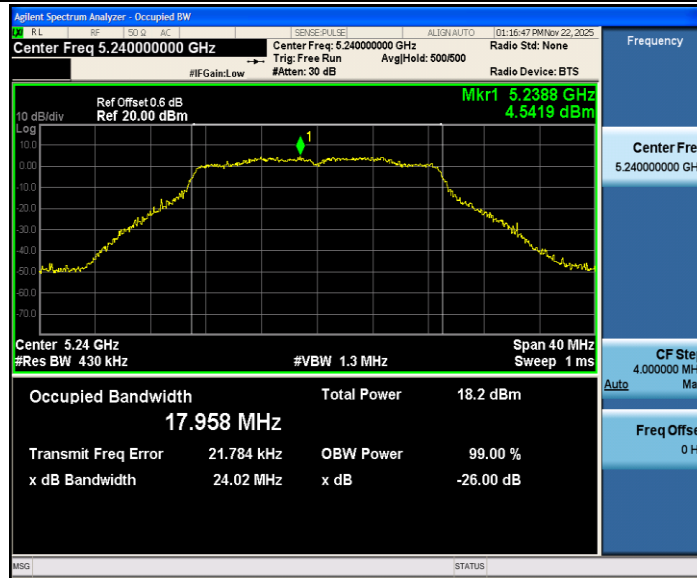
11N20SISO_Ant1_5180



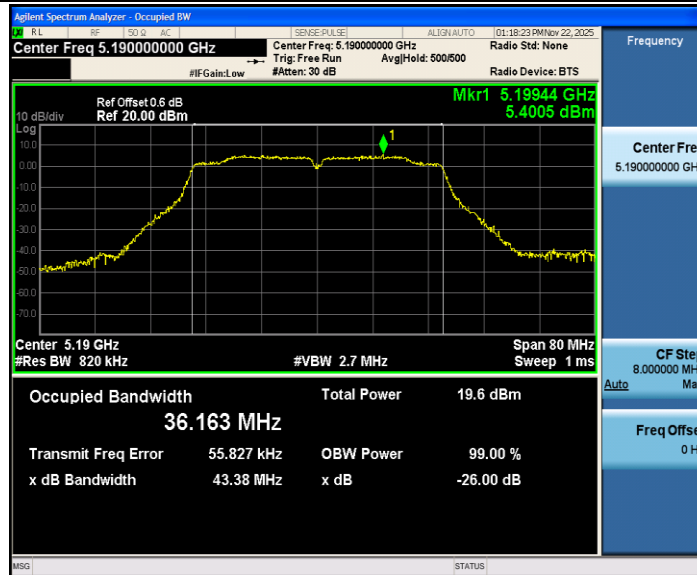
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



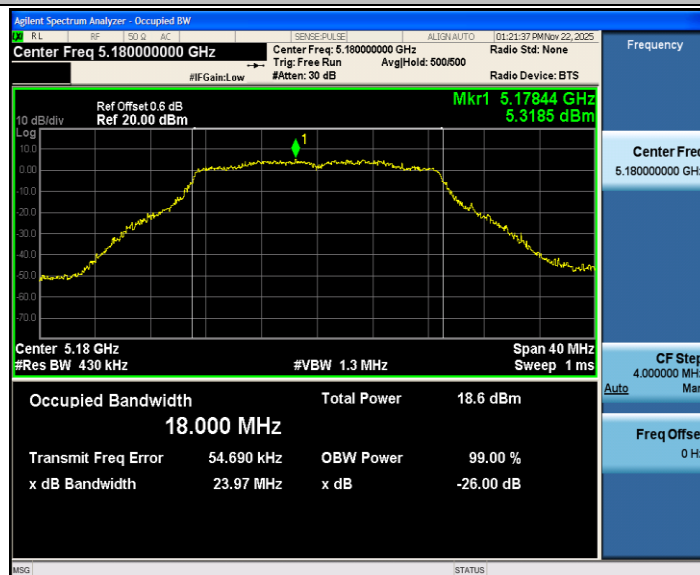
11N40SISO_Ant1_5190



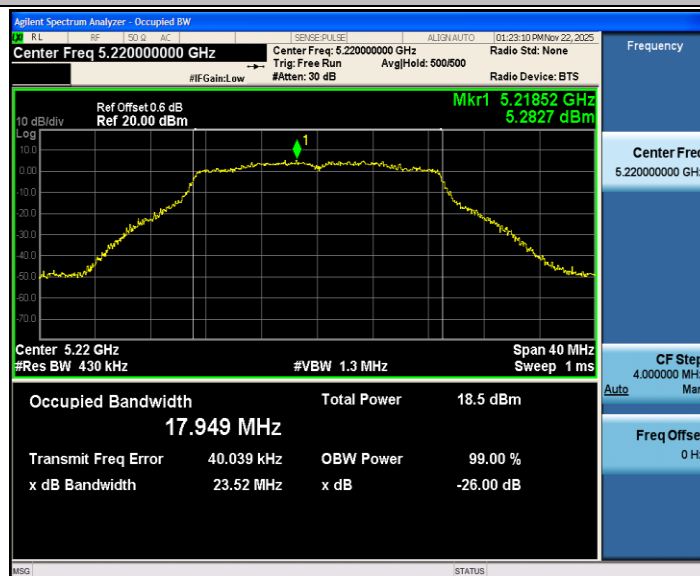
11N40SISO_Ant1_5230



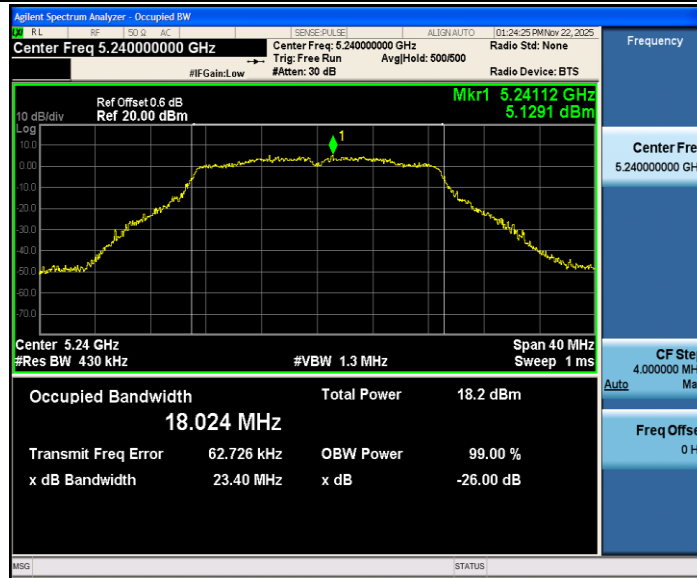
11AC20SISO_Ant1_5180



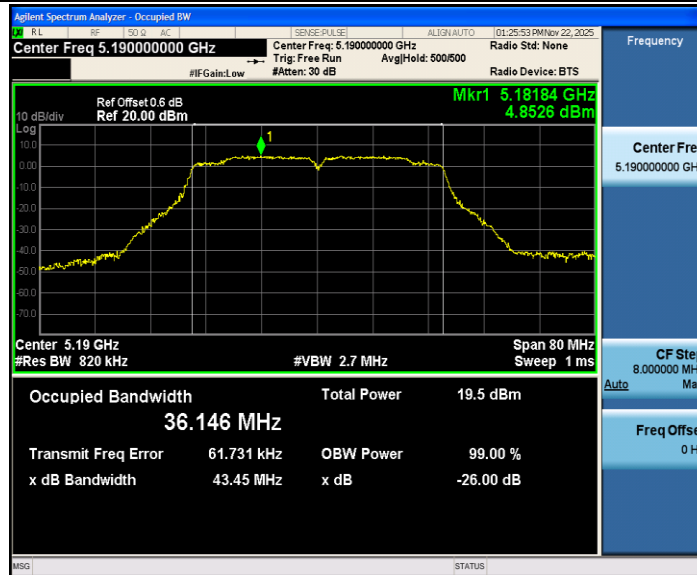
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



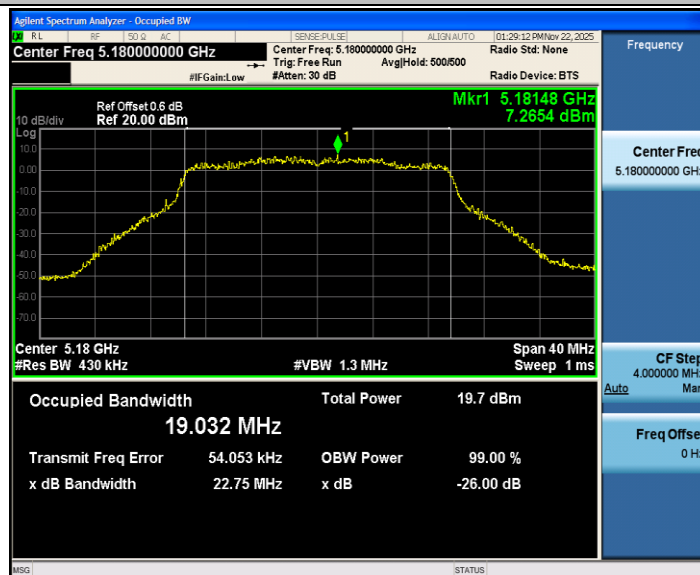
11AC40SISO_Ant1_5190



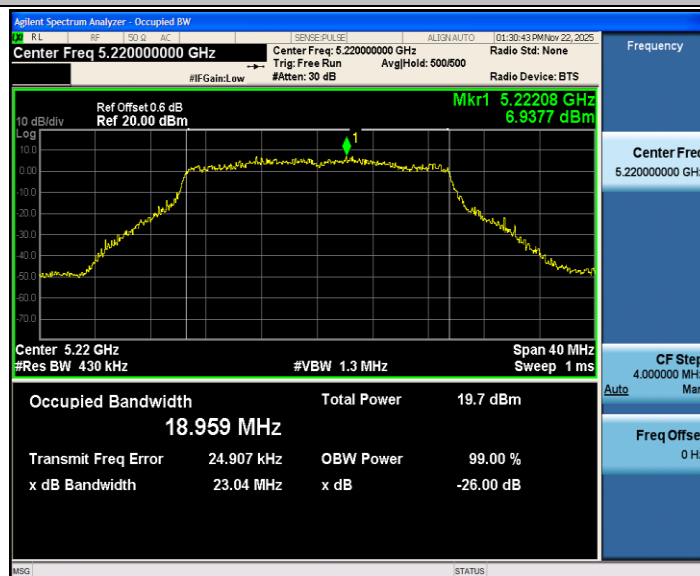
11AC40SISO_Ant1_5230



11AX20ISO_Ant1_5180



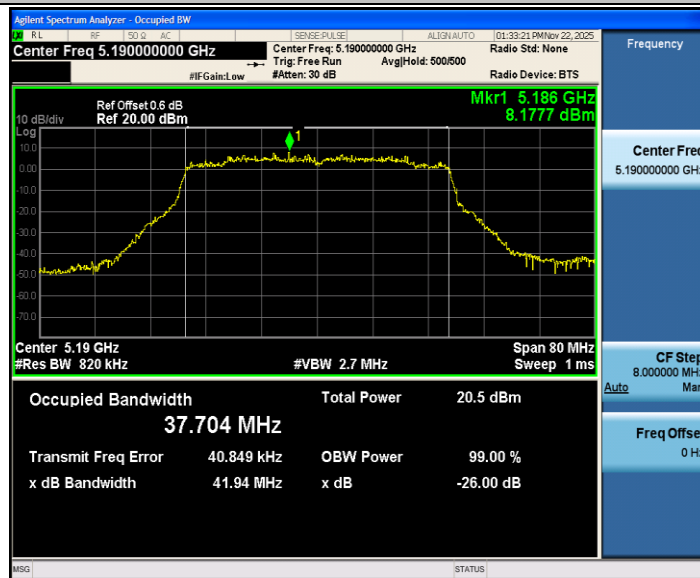
11AX20ISO_Ant1_5220



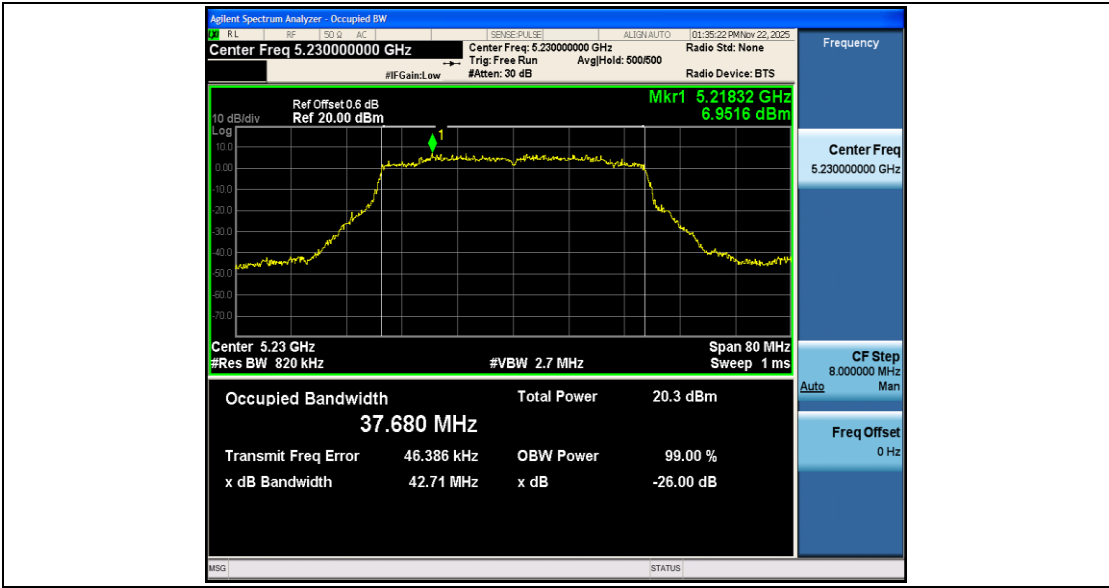
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

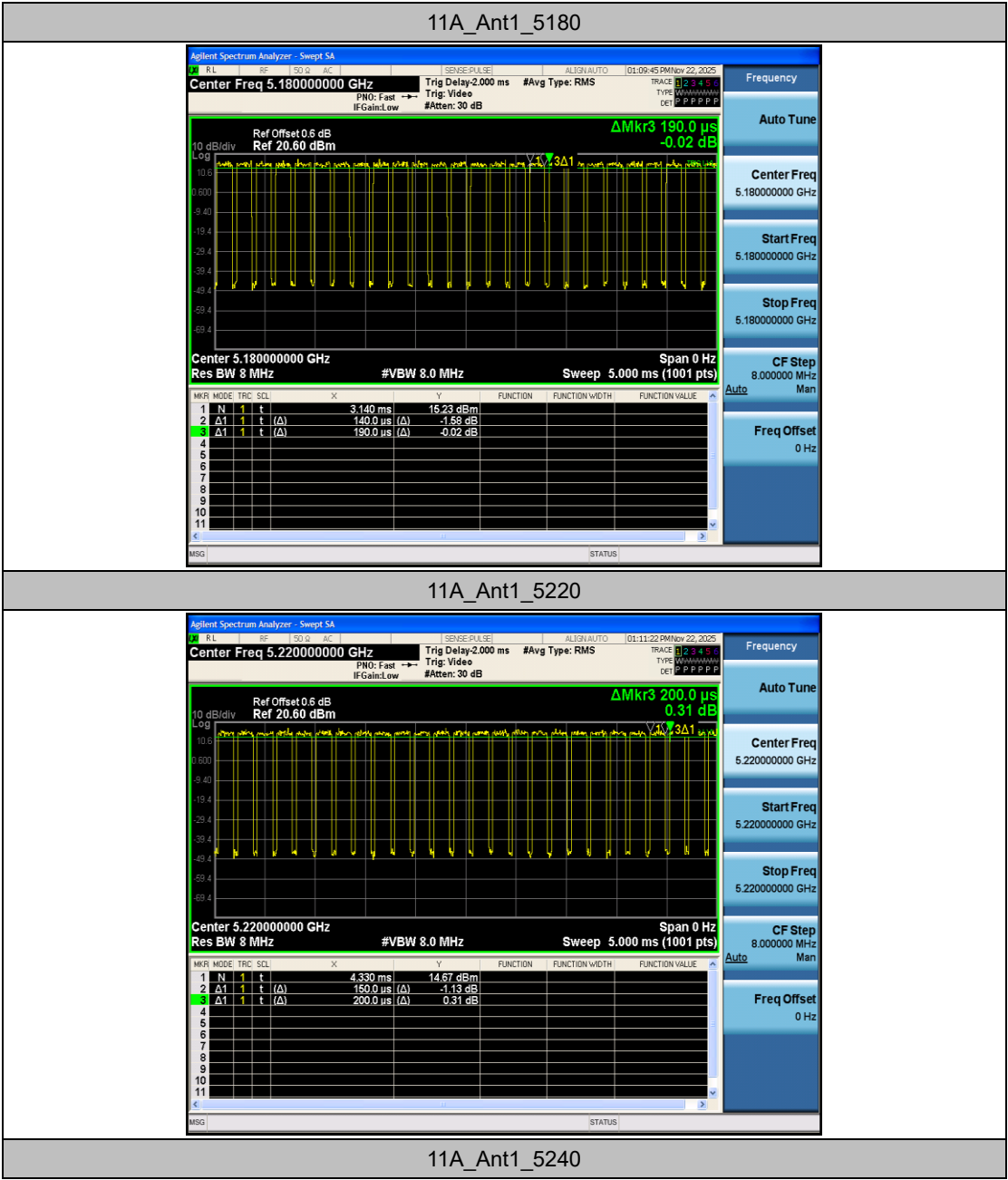


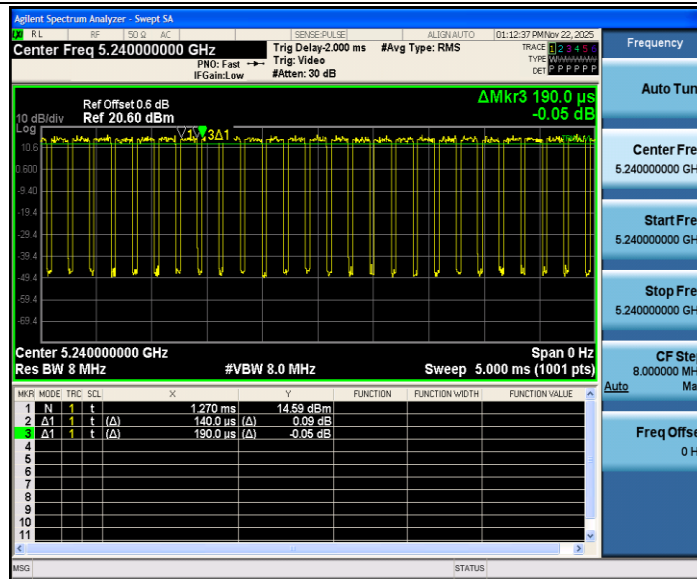
Appendix B: Duty Cycle

Test Result

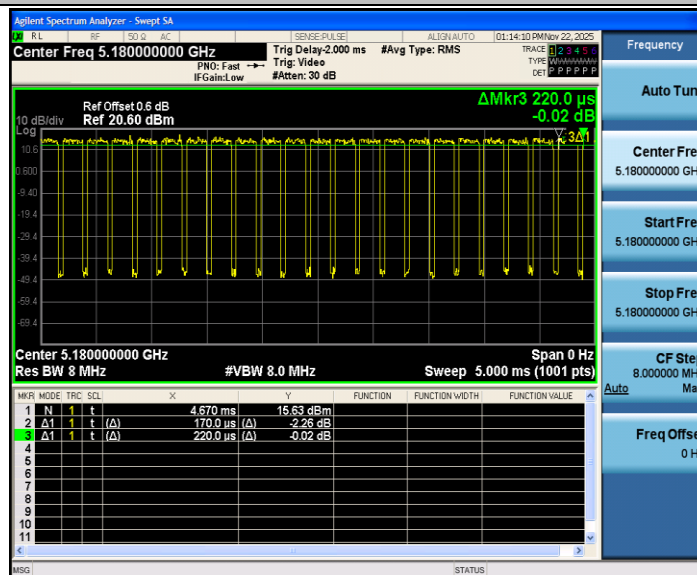
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.14	0.19	73.68	1.33	---	---
		5220	0.15	0.20	75.00	1.25	---	---
		5240	0.14	0.19	73.68	1.33	---	---
11N20SISO	Ant1	5180	0.17	0.22	77.27	1.12	---	---
		5220	0.18	0.23	78.26	1.06	---	---
		5240	0.18	0.23	78.26	1.06	---	---
11N40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.18	0.23	78.26	1.06	---	---
11AC20SISO	Ant1	5180	0.16	0.21	76.19	1.18	---	---
		5220	0.16	0.21	76.19	1.18	---	---
		5240	0.16	0.21	76.19	1.18	---	---
11AC40SISO	Ant1	5190	0.15	0.20	75.00	1.25	---	---
		5230	0.15	0.20	75.00	1.25	---	---
11AX20SISO	Ant1	5180	0.26	0.31	83.87	0.76	---	---
		5220	0.25	0.30	83.33	0.79	---	---
		5240	0.26	0.31	83.87	0.76	---	---
11AX40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.17	0.22	77.27	1.12	---	---

Test Graphs

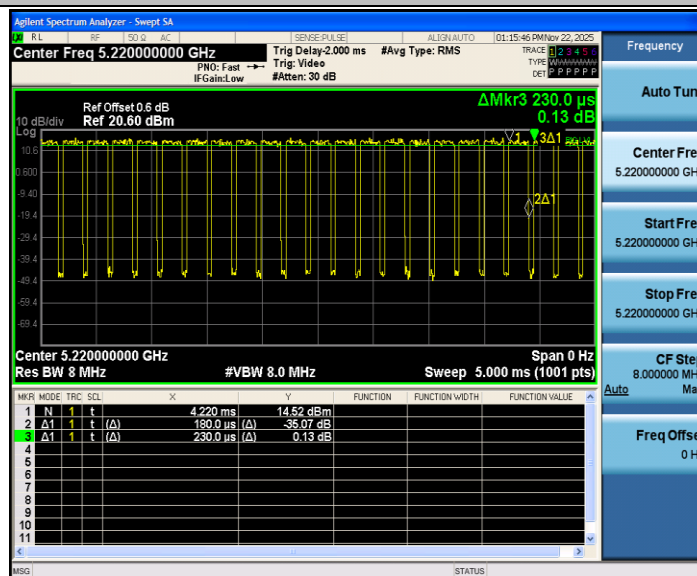




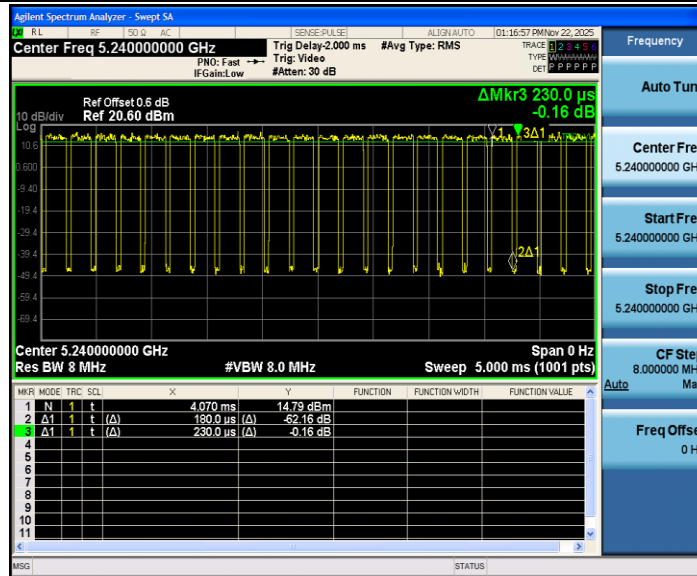
11N20SISO_Ant1_5180



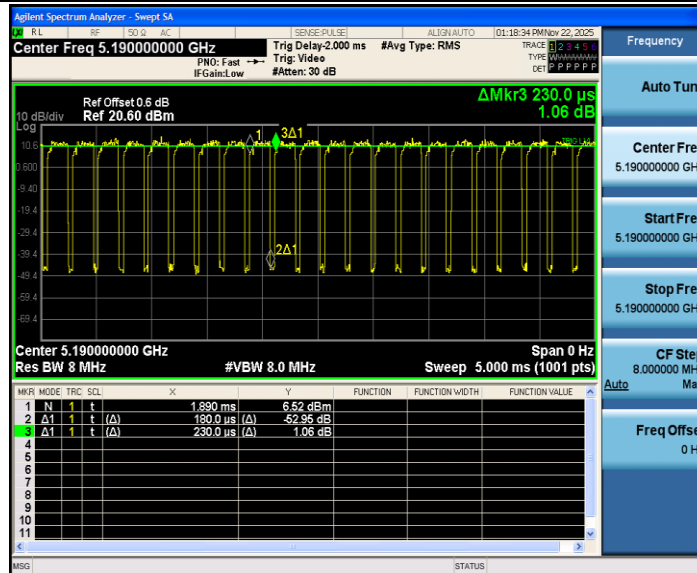
11N20SISO_Ant1_5220



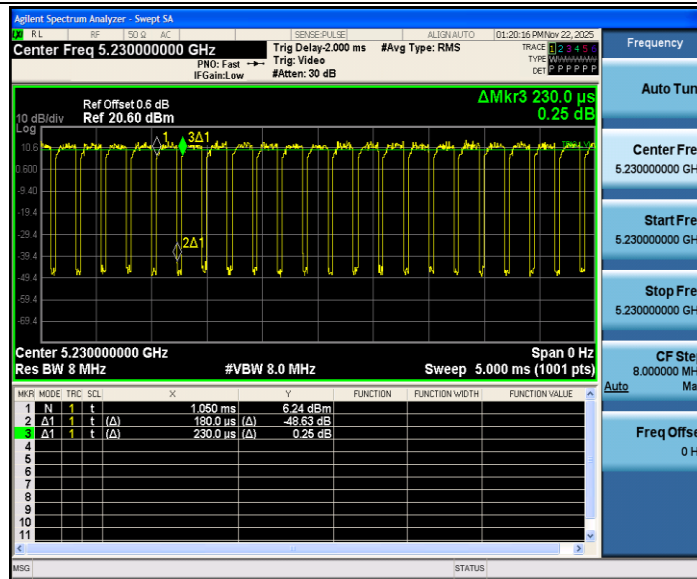
11N20SISO_Ant1_5240



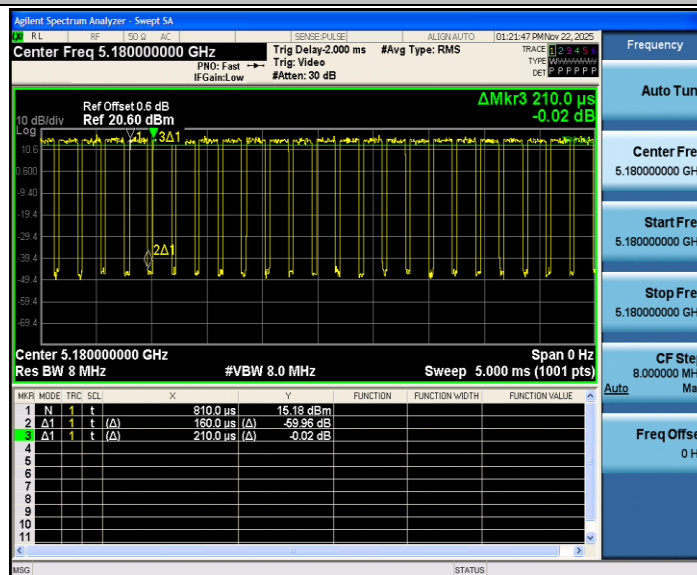
11N40SISO_Ant1_5190



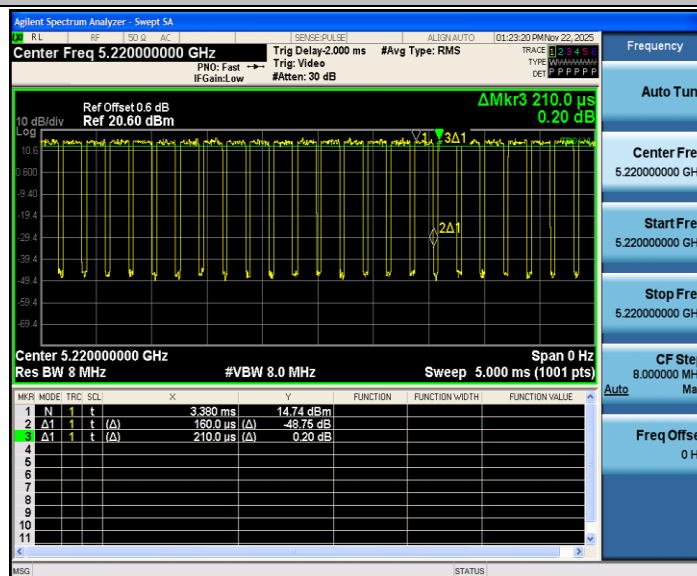
11N40SISO_Ant1_5230



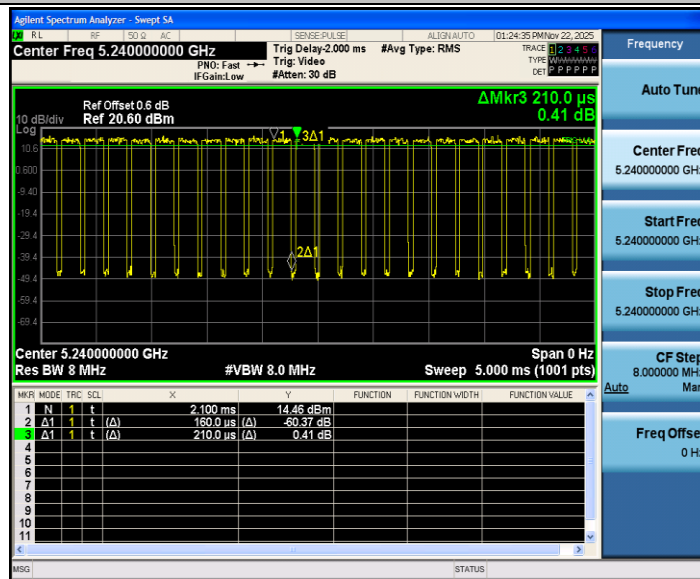
11AC20SISO_Ant1_5180



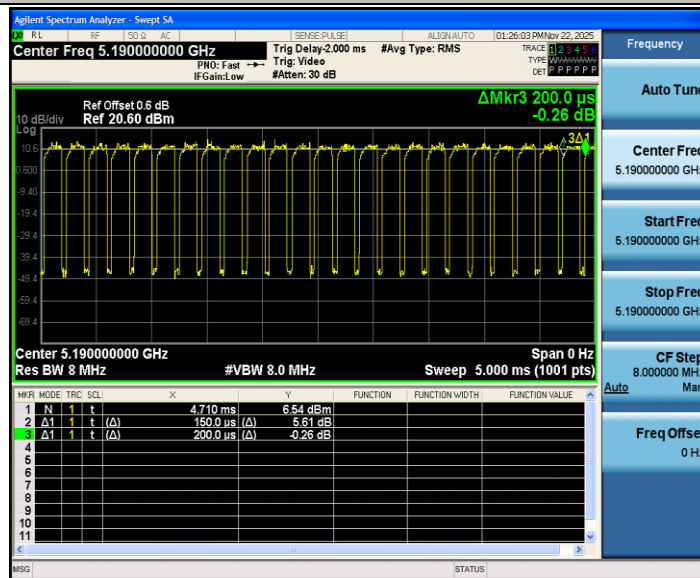
11AC20SISO_Ant1_5220



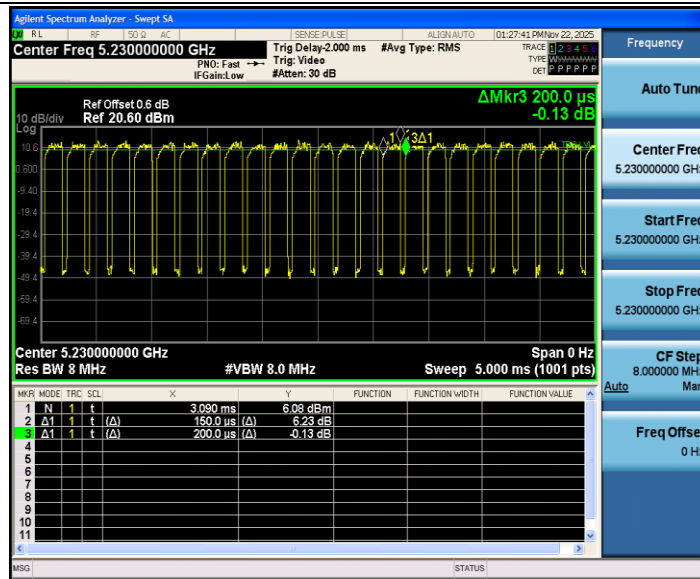
11AC20SISO_Ant1_5240



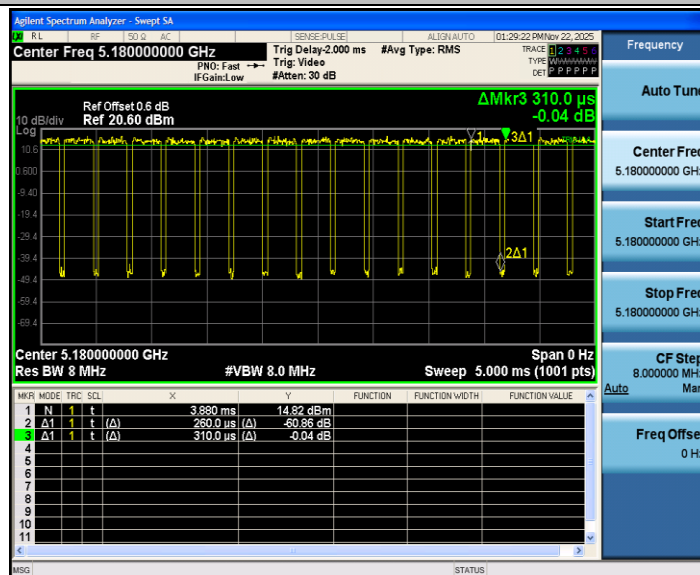
11AC40SISO_Ant1_5190



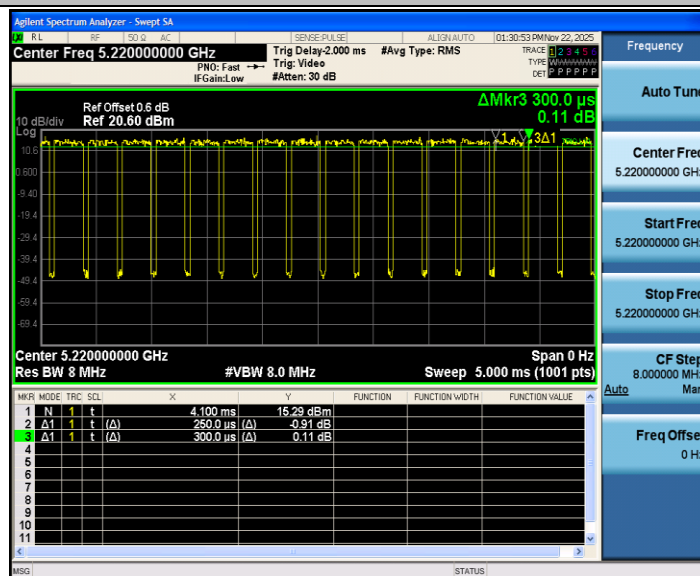
11AC40SISO_Ant1_5230



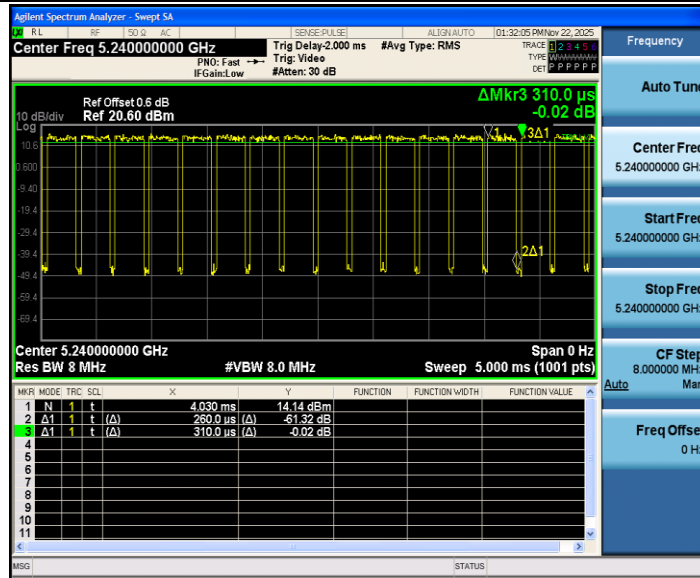
11AX20SISO_Ant1_5180



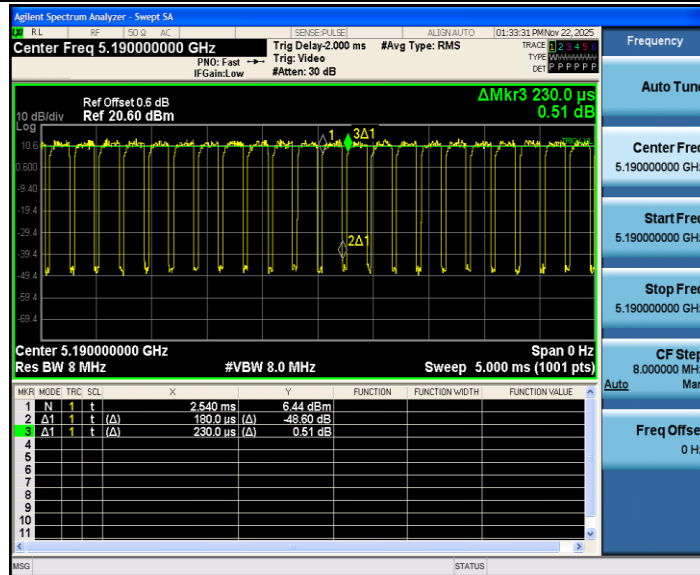
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.84	1.33	12.17	≤23.98	PASS
		5220	10.65	1.25	11.90	≤23.98	PASS
		5240	10.40	1.33	11.73	≤23.98	PASS
11N20SISO	Ant1	5180	10.87	1.12	11.99	≤23.98	PASS
		5220	10.88	1.06	11.94	≤23.98	PASS
		5240	10.55	1.06	11.61	≤23.98	PASS
11N40SISO	Ant1	5190	11.04	1.06	12.10	≤23.98	PASS
		5230	10.81	1.06	11.87	≤23.98	PASS
11AC20SISO	Ant1	5180	10.89	1.18	12.07	≤23.98	PASS
		5220	10.81	1.18	11.99	≤23.98	PASS
		5240	10.51	1.18	11.69	≤23.98	PASS
11AC40SISO	Ant1	5190	10.88	1.25	12.13	≤23.98	PASS
		5230	10.65	1.25	11.90	≤23.98	PASS
11AX20SISO	Ant1	5180	11.03	0.76	11.79	≤23.98	PASS
		5220	11.02	0.79	11.81	≤23.98	PASS
		5240	11.09	0.76	11.85	≤23.98	PASS
11AX40SISO	Ant1	5190	10.78	1.06	11.84	≤23.98	PASS
		5230	10.64	1.12	11.76	≤23.98	PASS

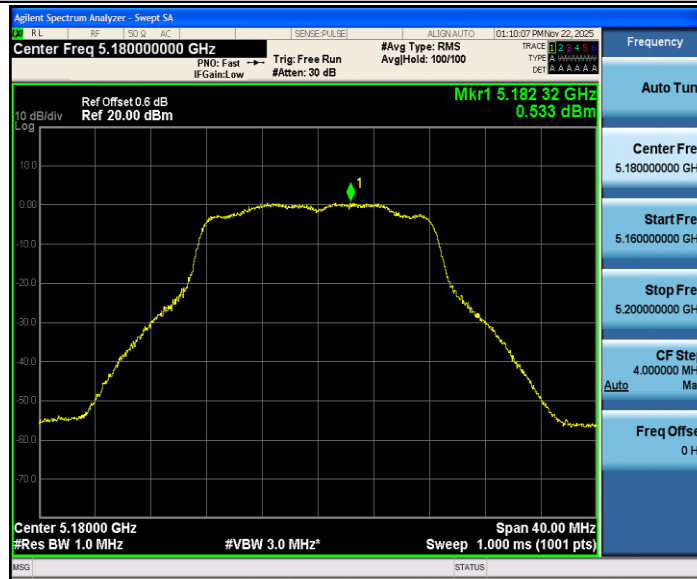
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/1MHz]	Duty factor (dB)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.533	1.33	1.86	≤11.00	PASS
		5220	0.562	1.25	1.81	≤11.00	PASS
		5240	0.515	1.33	1.85	≤11.00	PASS
11N20SISO	Ant1	5180	0.518	1.12	1.64	≤11.00	PASS
		5220	0.737	1.06	1.80	≤11.00	PASS
		5240	0.537	1.06	1.60	≤11.00	PASS
11N40SISO	Ant1	5190	-2.552	1.06	-1.49	≤11.00	PASS
		5230	-2.809	1.06	-1.75	≤11.00	PASS
11AX20SISO	Ant1	5180	0.578	1.18	1.76	≤11.00	PASS
		5220	0.847	1.18	2.03	≤11.00	PASS
		5240	0.130	1.18	1.31	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.487	1.25	-1.24	≤11.00	PASS
		5230	-2.769	1.25	-1.52	≤11.00	PASS
11AC20SISO	Ant1	5180	0.482	0.76	1.24	≤11.00	PASS
		5220	0.579	0.79	1.37	≤11.00	PASS
		5240	0.561	0.76	1.32	≤11.00	PASS
11AX40SISO	Ant1	5190	-2.639	1.06	-1.58	≤11.00	PASS
		5230	-3.002	1.12	-1.88	≤11.00	PASS

Test Graphs

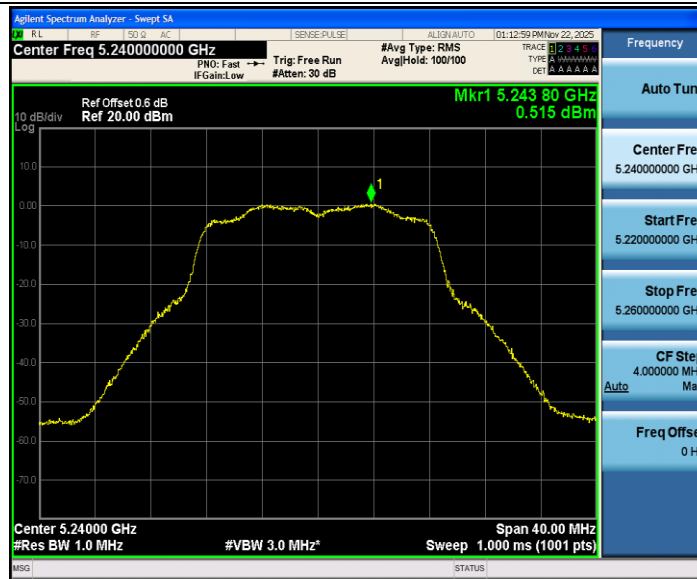
11A_Ant1_5180



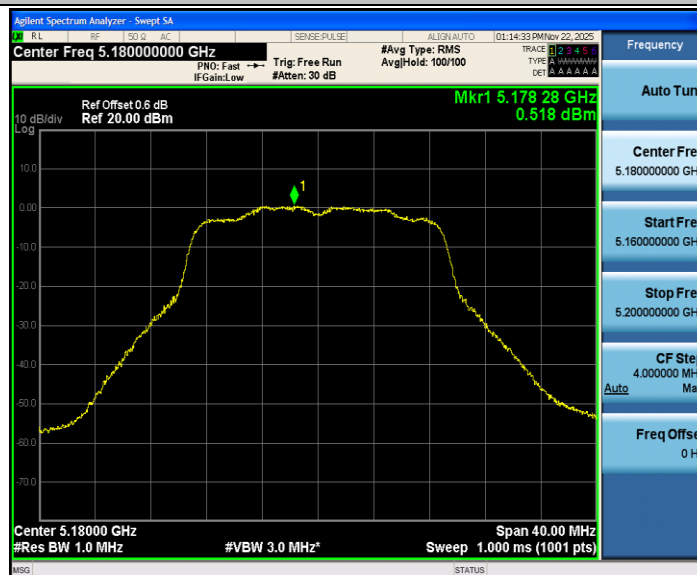
11A_Ant1_5220



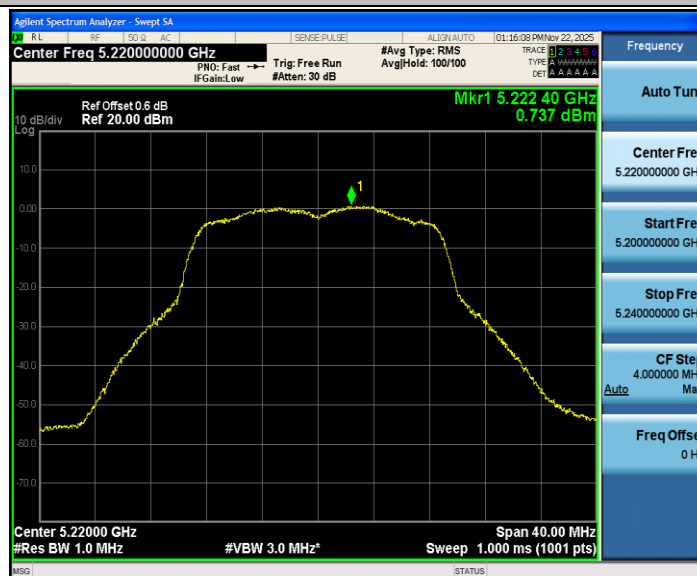
11A_Ant1_5240



11N20SISO_Ant1_5180



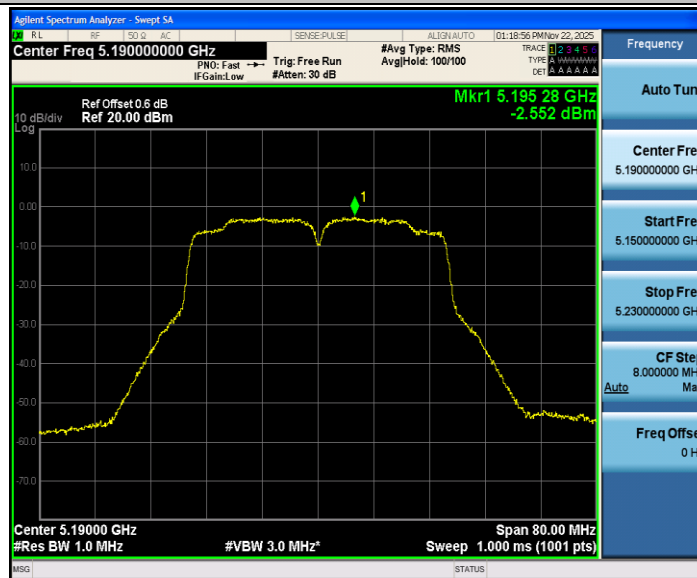
11N20SISO_Ant1_5220



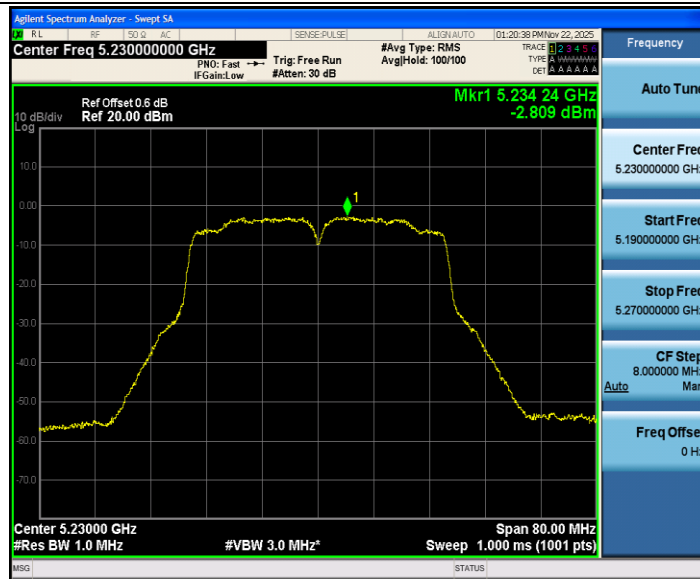
11N20SISO_Ant1_5240



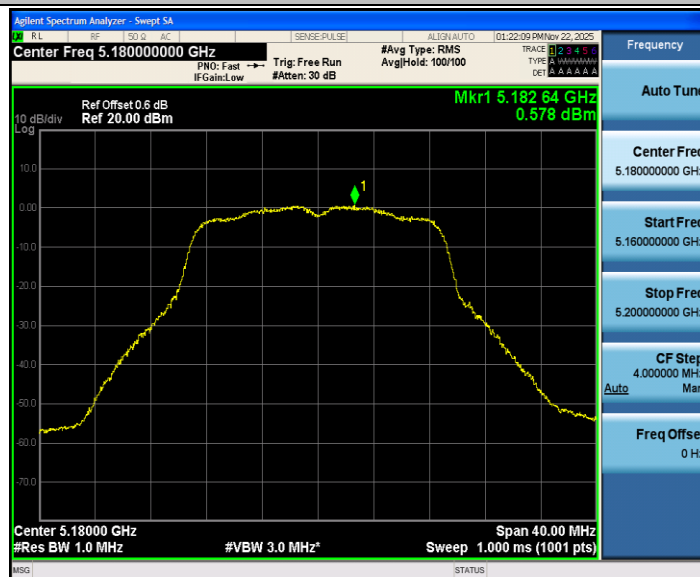
11N40SISO_Ant1_5190



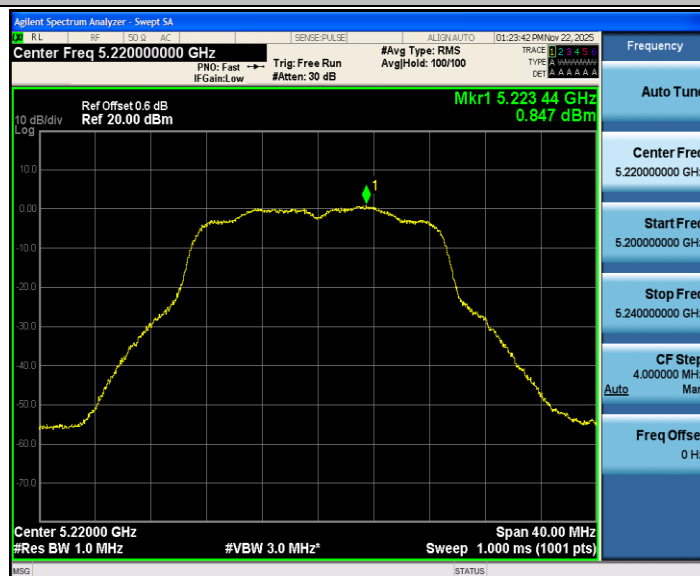
11N40SISO_Ant1_5230



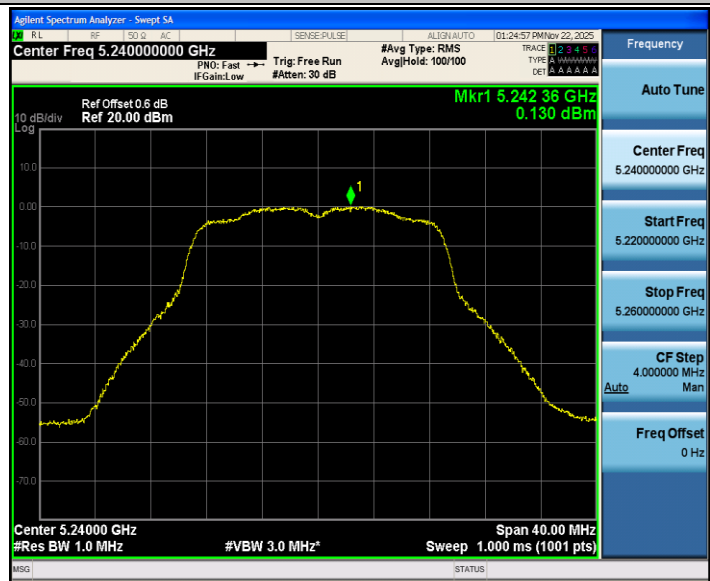
11AC20SISO_Ant1_5180



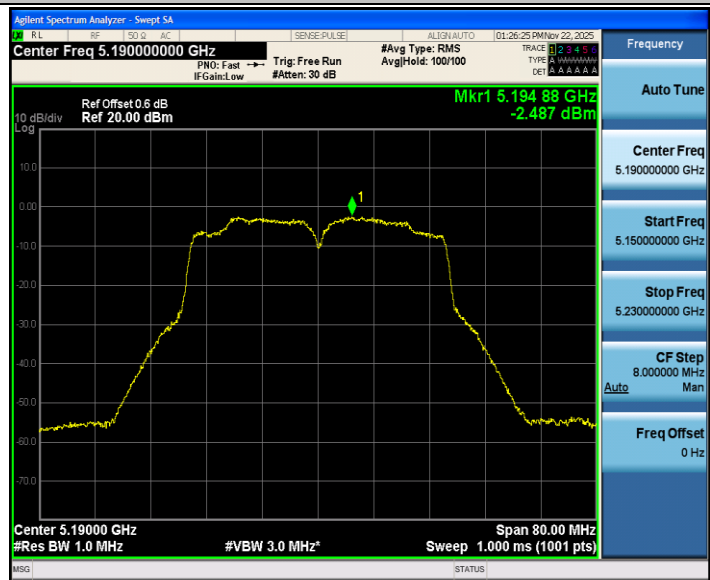
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230