

Case No. : <u>GTS20250903022-1-12</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.9.13-2025.10.21</u> Test Engineer: <u>Evan ouyang</u>

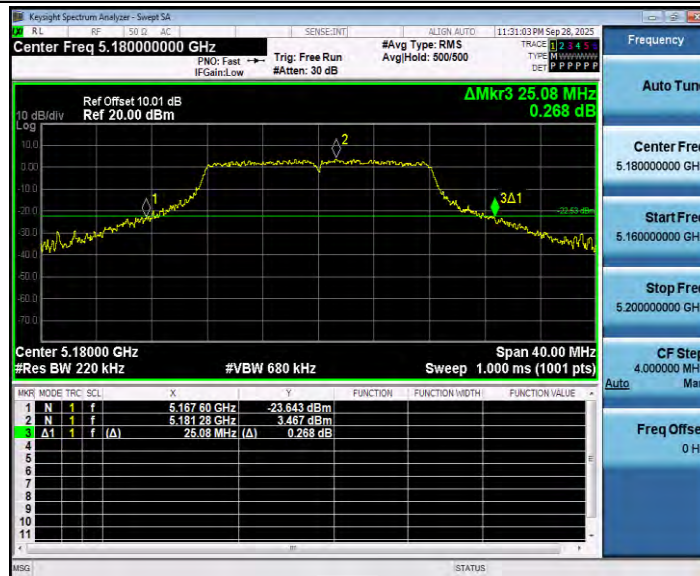
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.080	5167.600	5192.680	---	---
		5200	26.920	5186.200	5213.120	---	---
		5240	25.080	5227.360	5252.440	---	---
11N20SISO	Ant1	5180	25.000	5167.640	5192.640	---	---
		5200	27.000	5186.480	5213.480	---	---
		5240	25.480	5227.320	5252.800	---	---
11N40SISO	Ant1	5190	46.160	5167.680	5213.840	---	---
		5230	45.360	5207.440	5252.800	---	---
11AC20SISO	Ant1	5180	25.280	5167.280	5192.560	---	---
		5200	25.840	5187.520	5213.360	---	---
		5240	25.160	5227.160	5252.320	---	---
11AC40SISO	Ant1	5190	45.840	5167.120	5212.960	---	---
		5230	46.640	5207.200	5253.840	---	---
11AX20SISO	Ant1	5180	24.760	5167.640	5192.400	---	---
		5200	26.000	5186.880	5212.880	---	---
		5240	26.240	5226.960	5253.200	---	---
11AX40SISO	Ant1	5190	44.720	5167.760	5212.480	---	---
		5230	44.240	5208.400	5252.640	---	---

Test Graphs

11A_Ant1_5180



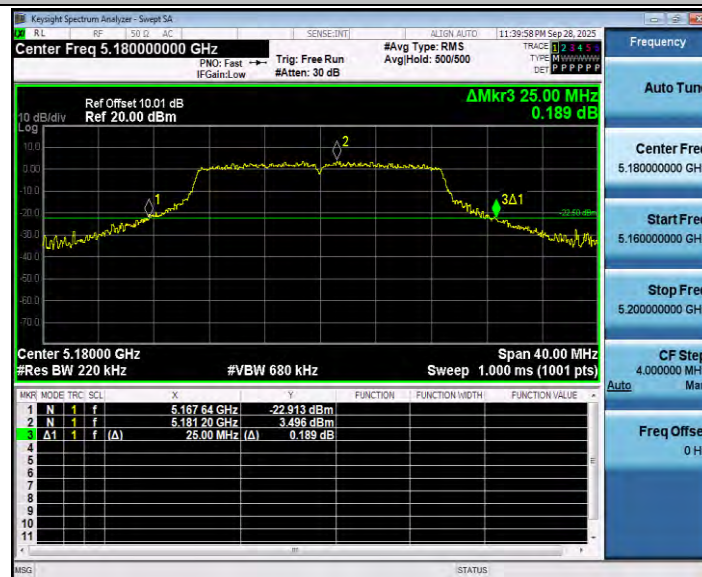
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



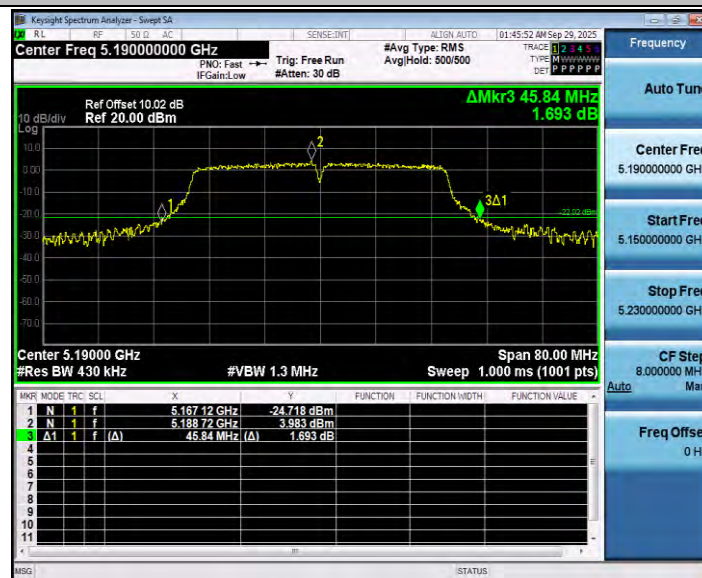
11AC20SISO_Ant1_5200



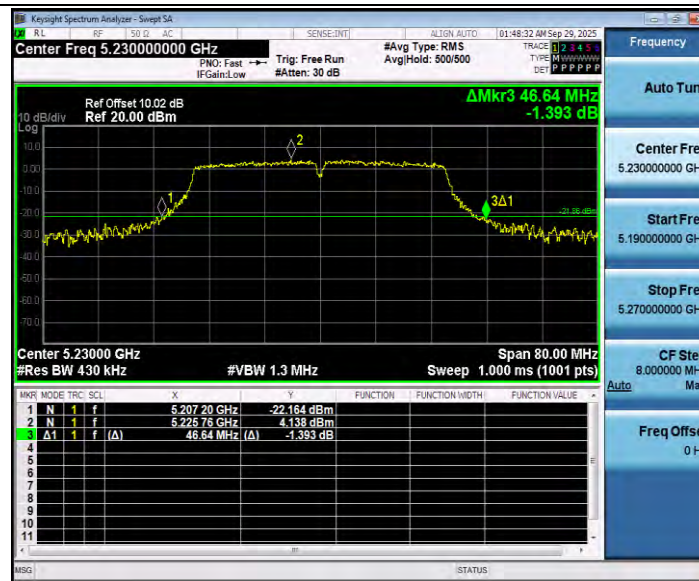
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



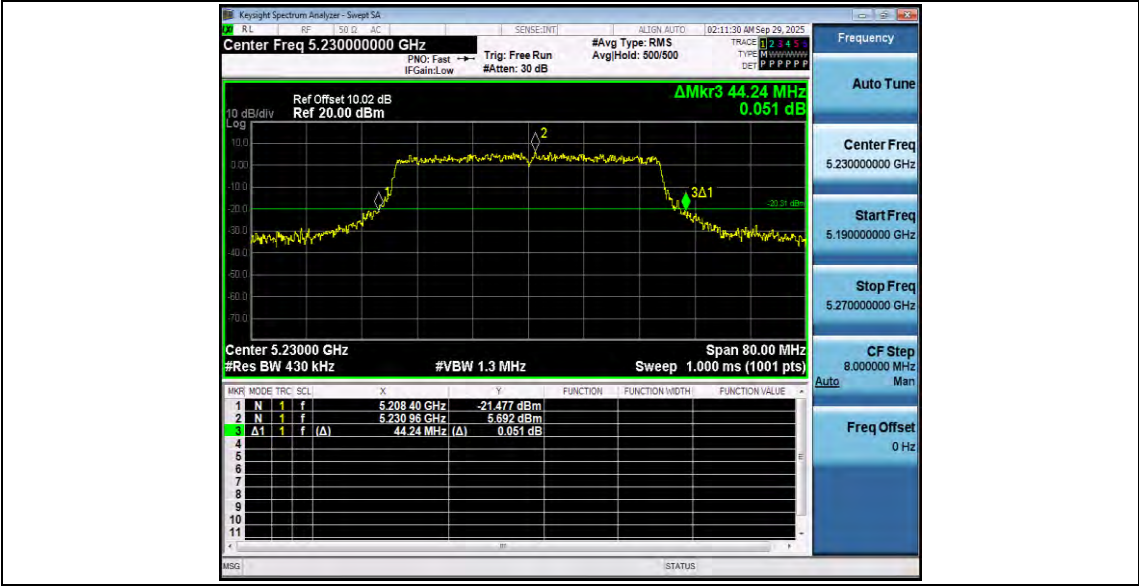
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

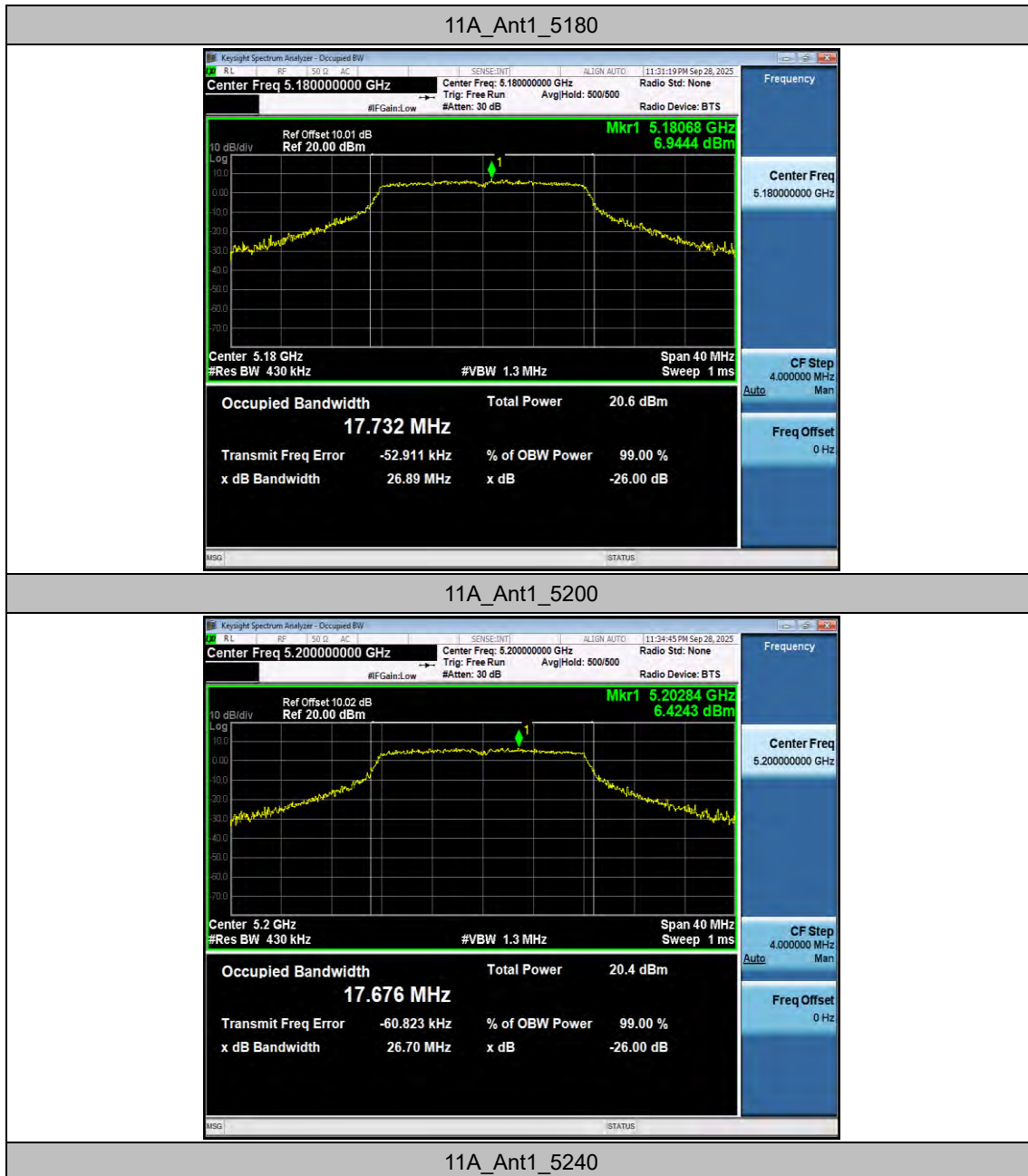


Appendix D.2: Occupied channel bandwidth

Test Result

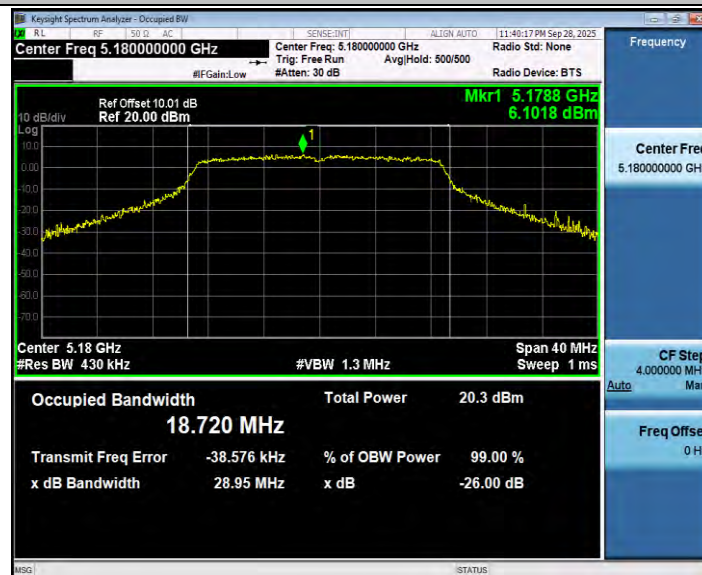
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.732	5171.0811	5188.8131	---	---
		5200	17.676	5191.1012	5208.7772	---	---
		5240	17.599	5231.1081	5248.7071	---	---
11N20SISO	Ant1	5180	18.720	5170.6014	5189.3214	---	---
		5200	18.756	5190.6035	5209.3595	---	---
		5240	18.747	5230.6013	5249.3483	---	---
11N40SISO	Ant1	5190	37.214	5171.4628	5208.6768	---	---
		5230	37.261	5211.3959	5248.6569	---	---
11AC20SISO	Ant1	5180	18.763	5170.6314	5189.3944	---	---
		5200	18.863	5190.5303	5209.3933	---	---
		5240	18.714	5230.5560	5249.2700	---	---
11AC40SISO	Ant1	5190	37.398	5171.3033	5208.7013	---	---
		5230	37.367	5211.3323	5248.6993	---	---
11AX20SISO	Ant1	5180	19.442	5170.2830	5189.7250	---	---
		5200	19.472	5190.2979	5209.7699	---	---
		5240	19.425	5230.2601	5249.6851	---	---
11AX40SISO	Ant1	5190	38.299	5170.8578	5209.1568	---	---
		5230	38.322	5210.8760	5249.1980	---	---

Test Graphs





11N20SISO_Ant1_5180



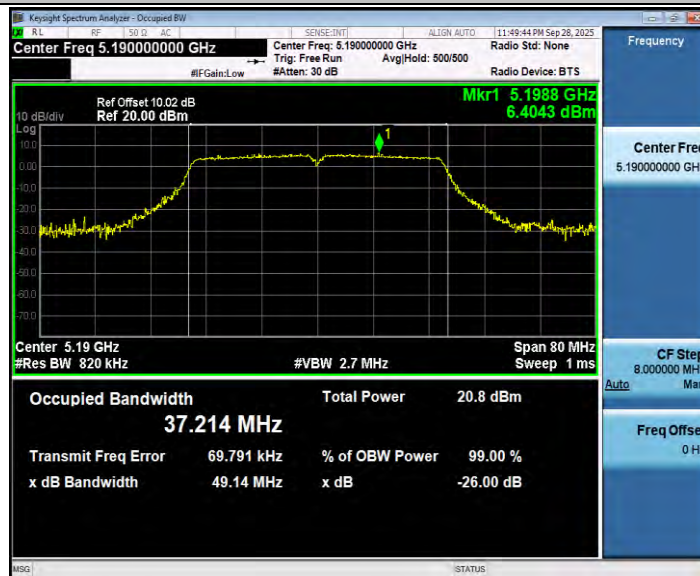
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



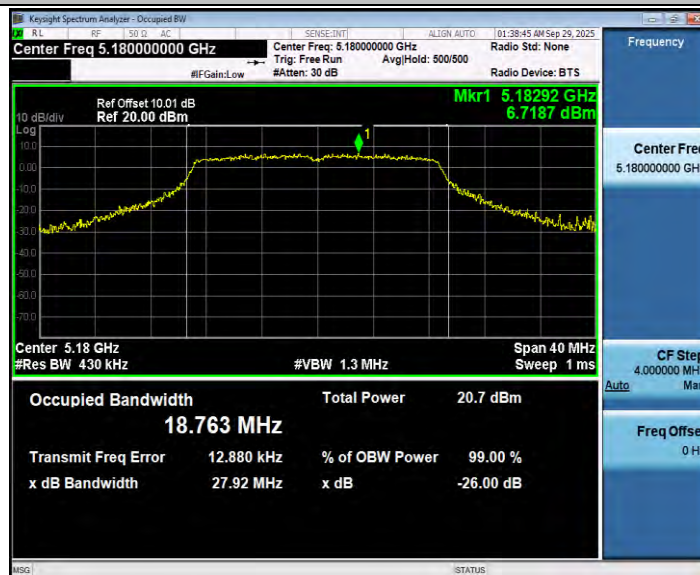
11N40SISO_Ant1_5190



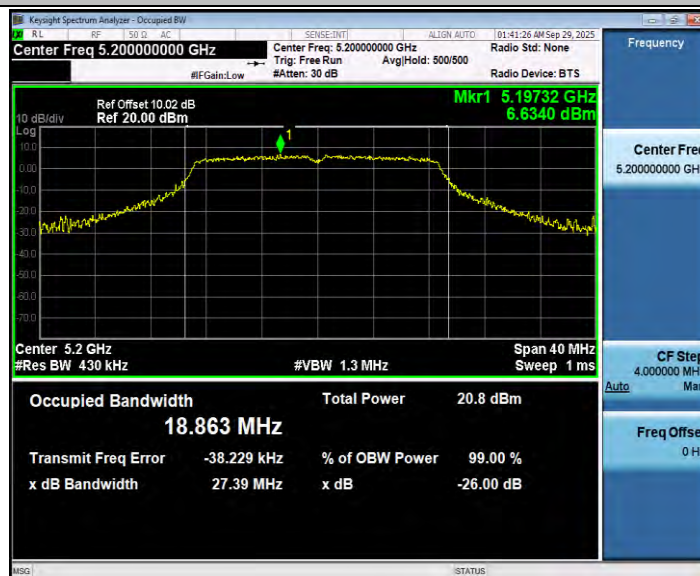
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



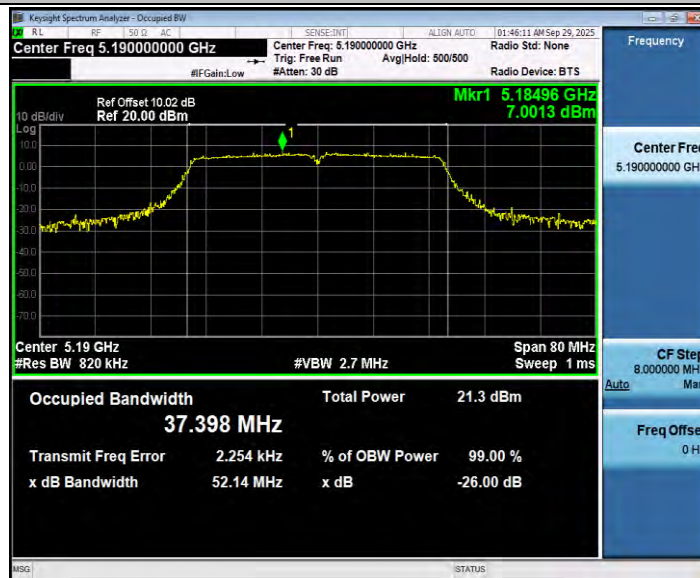
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



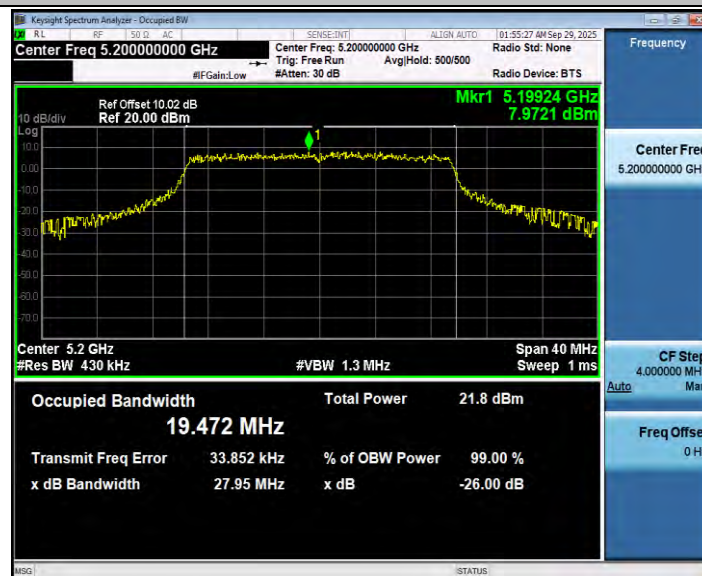
11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



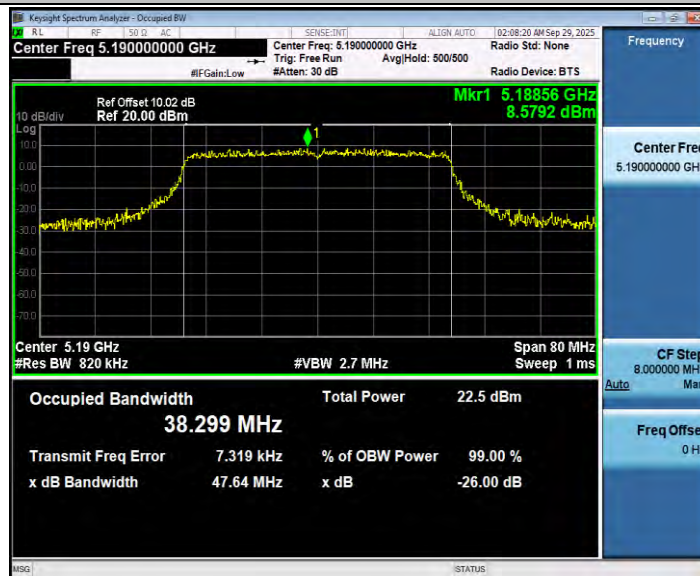
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

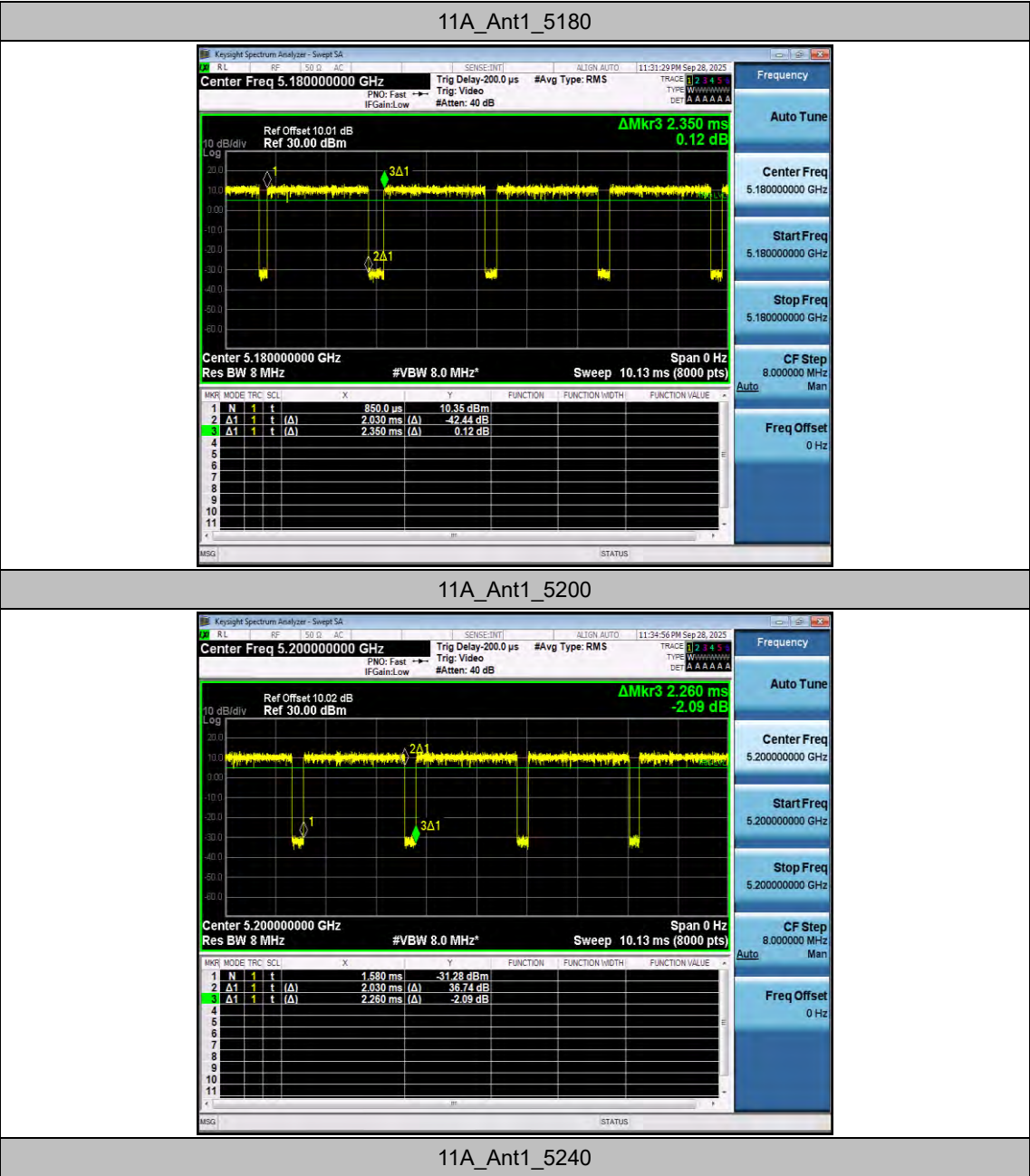


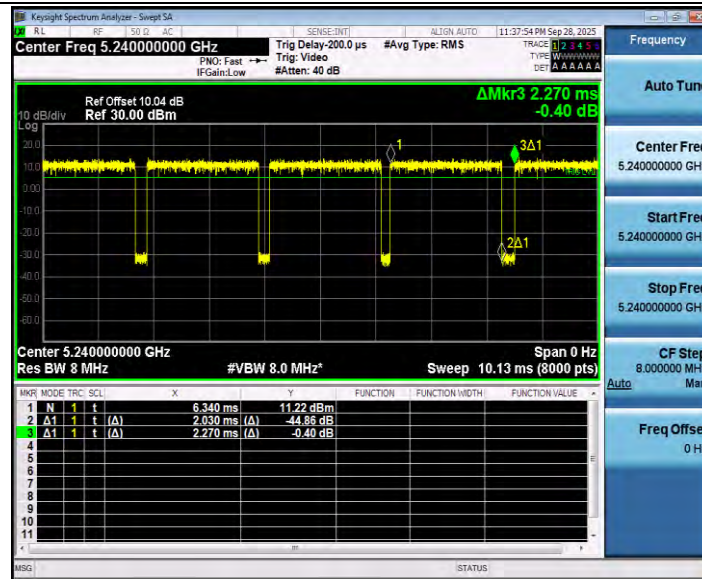
AppendixD.3: Duty Cycle

Test Result

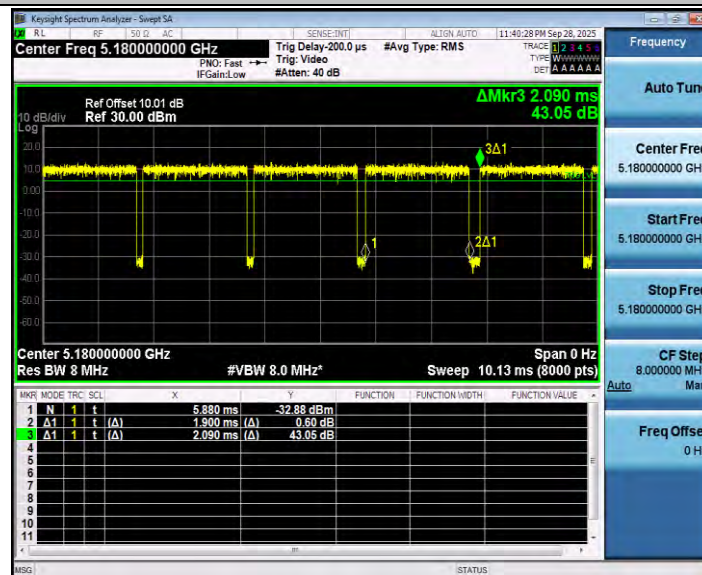
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.35	86.38	0.64	0.49
		5200	2.03	2.26	89.82	0.47	0.49
		5240	2.03	2.27	89.43	0.49	0.49
11N20SISO	Ant1	5180	1.90	2.09	90.91	0.41	0.53
		5200	1.89	2.08	90.87	0.42	0.53
		5240	1.89	2.11	89.57	0.48	0.53
11N40SISO	Ant1	5190	0.94	1.17	80.34	0.95	1.06
		5230	0.93	1.15	80.87	0.92	1.08
11AC20SISO	Ant1	5180	1.90	2.08	91.35	0.39	0.53
		5200	1.90	2.08	91.35	0.39	0.53
		5240	1.90	2.12	89.62	0.48	0.53
11AC40SISO	Ant1	5190	0.93	1.17	79.49	1.00	1.08
		5230	0.93	1.38	67.39	1.71	1.08
11AX20SISO	Ant1	5180	1.46	1.70	85.88	0.66	0.68
		5200	1.46	1.67	87.43	0.58	0.68
		5240	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant1	5190	0.76	0.98	77.55	1.10	1.32
		5230	0.76	0.97	78.35	1.06	1.32

Test Graphs

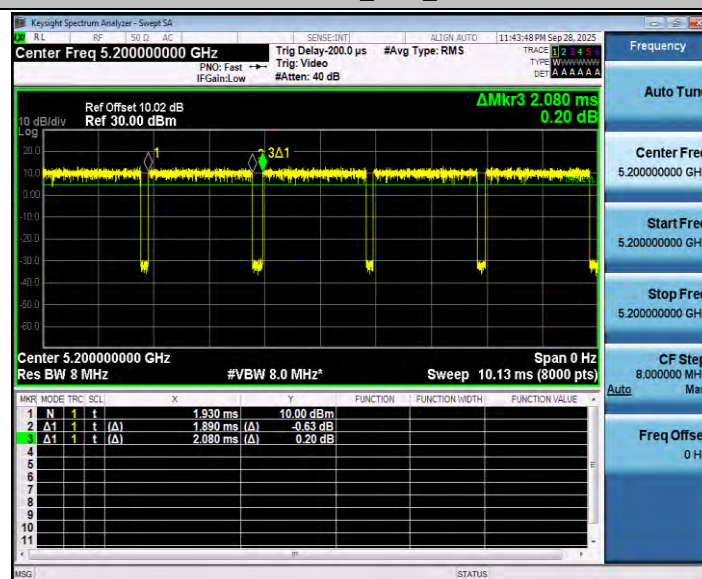




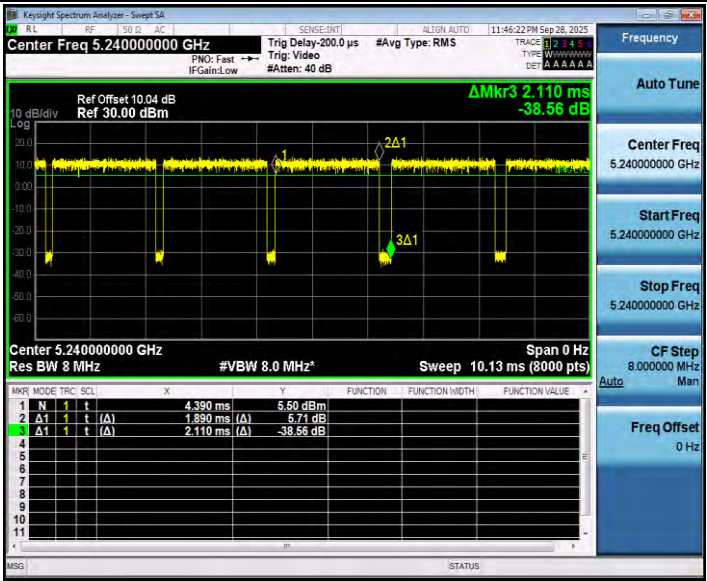
11N20SISO_Ant1_5180



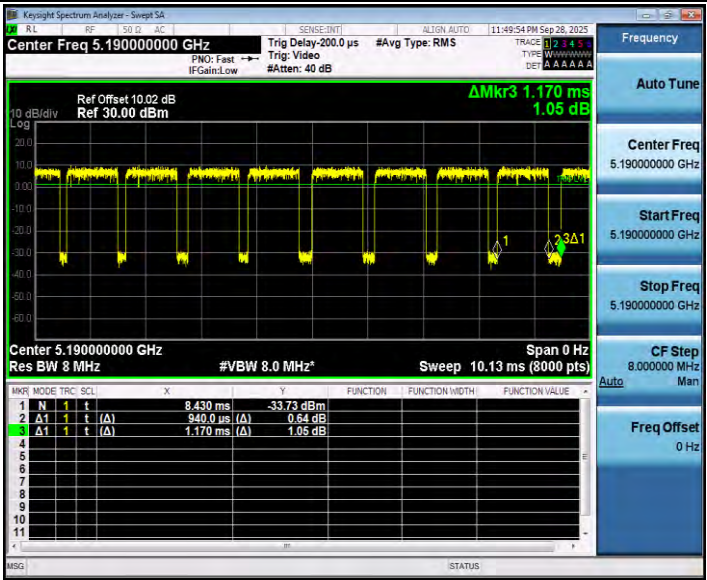
11N20SISO_Ant1_5200



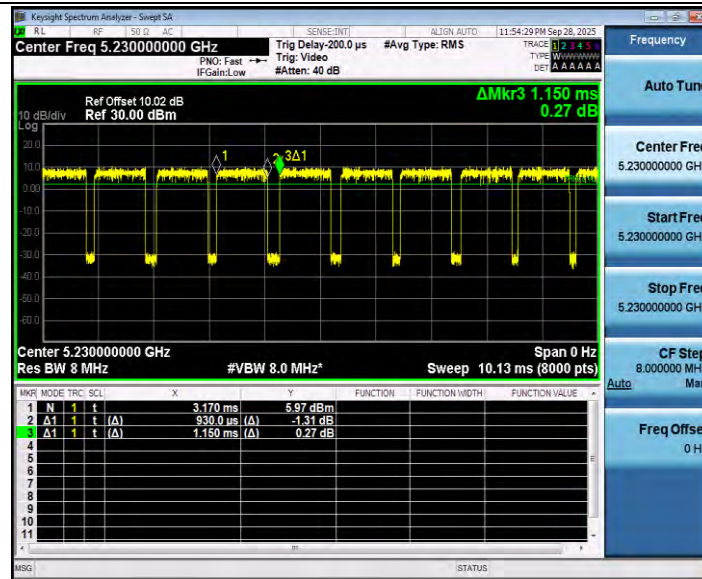
11N20SISO_Ant1_5240



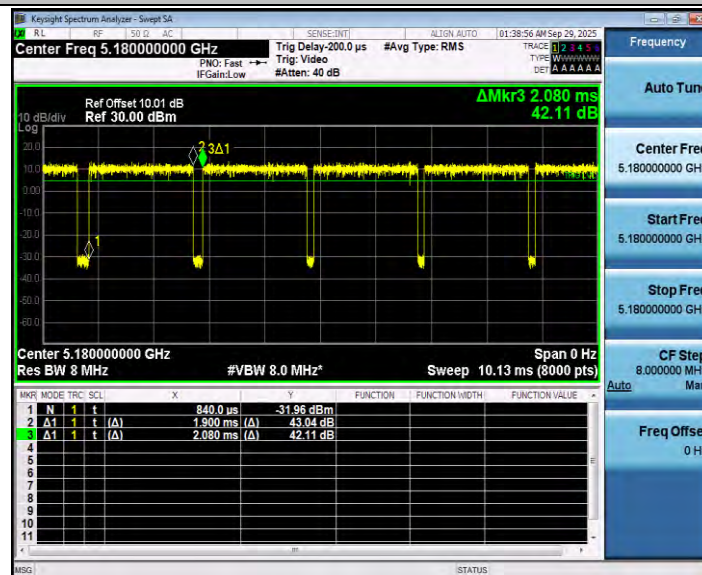
11N40SISO_Ant1_5190



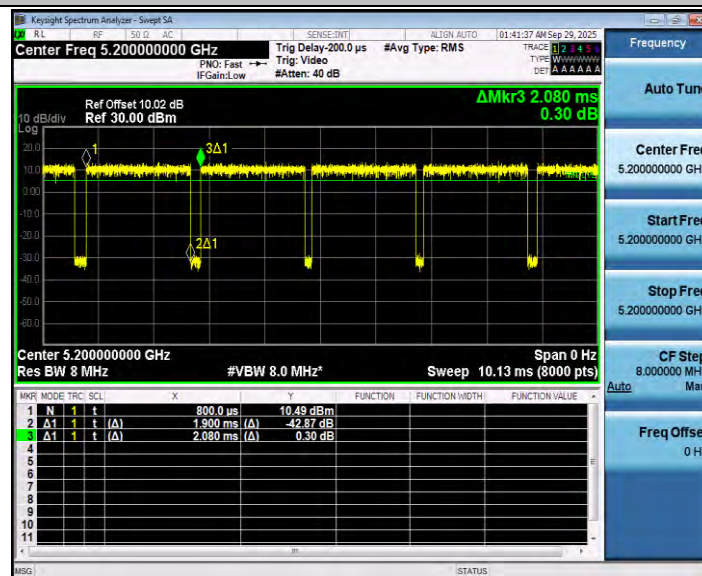
11N40SISO_Ant1_5230



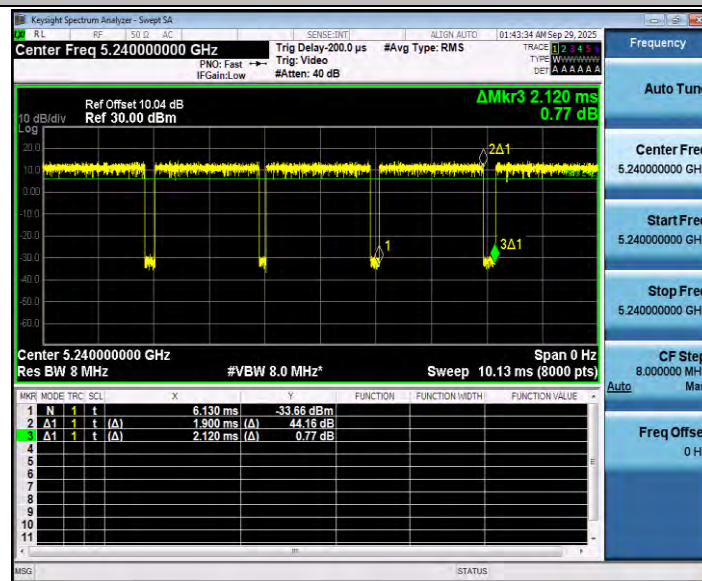
11AC20SISO_Ant1_5180



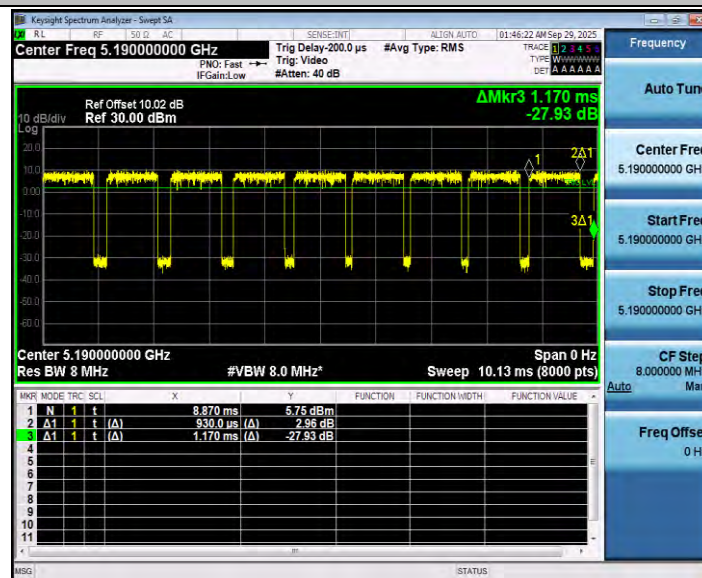
11AC20SISO_Ant1_5200



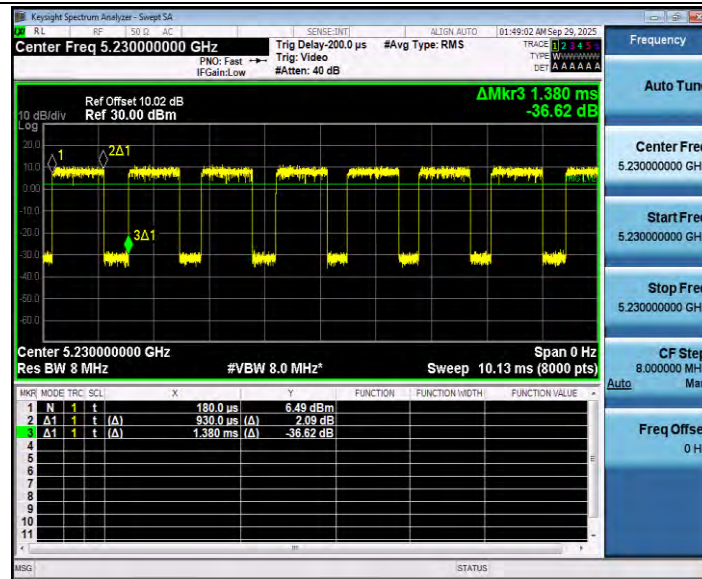
11AC20SISO_Ant1_5240



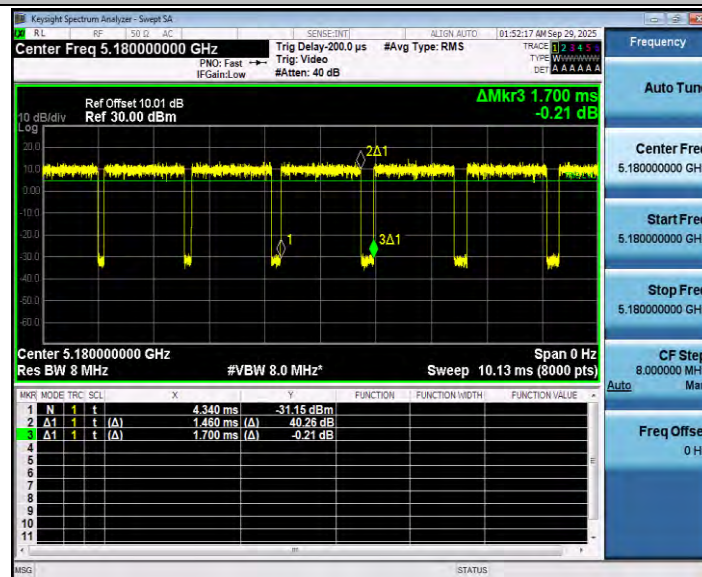
11AC40SISO_Ant1_5190



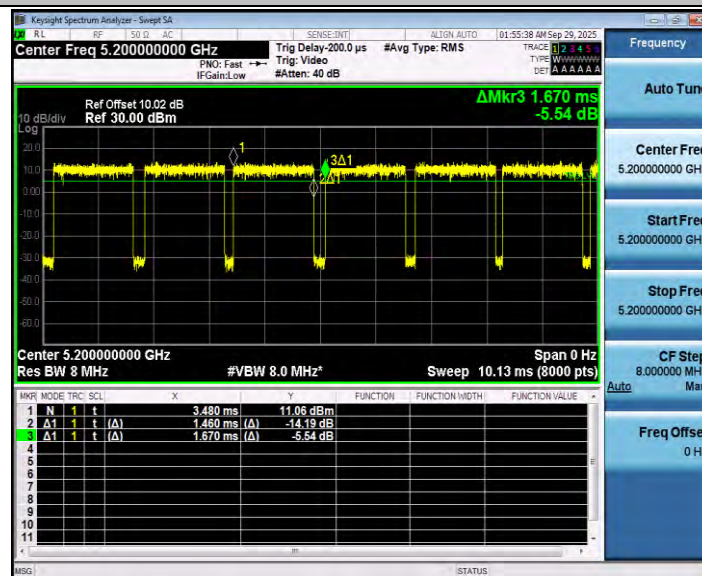
11AC40SISO_Ant1_5230

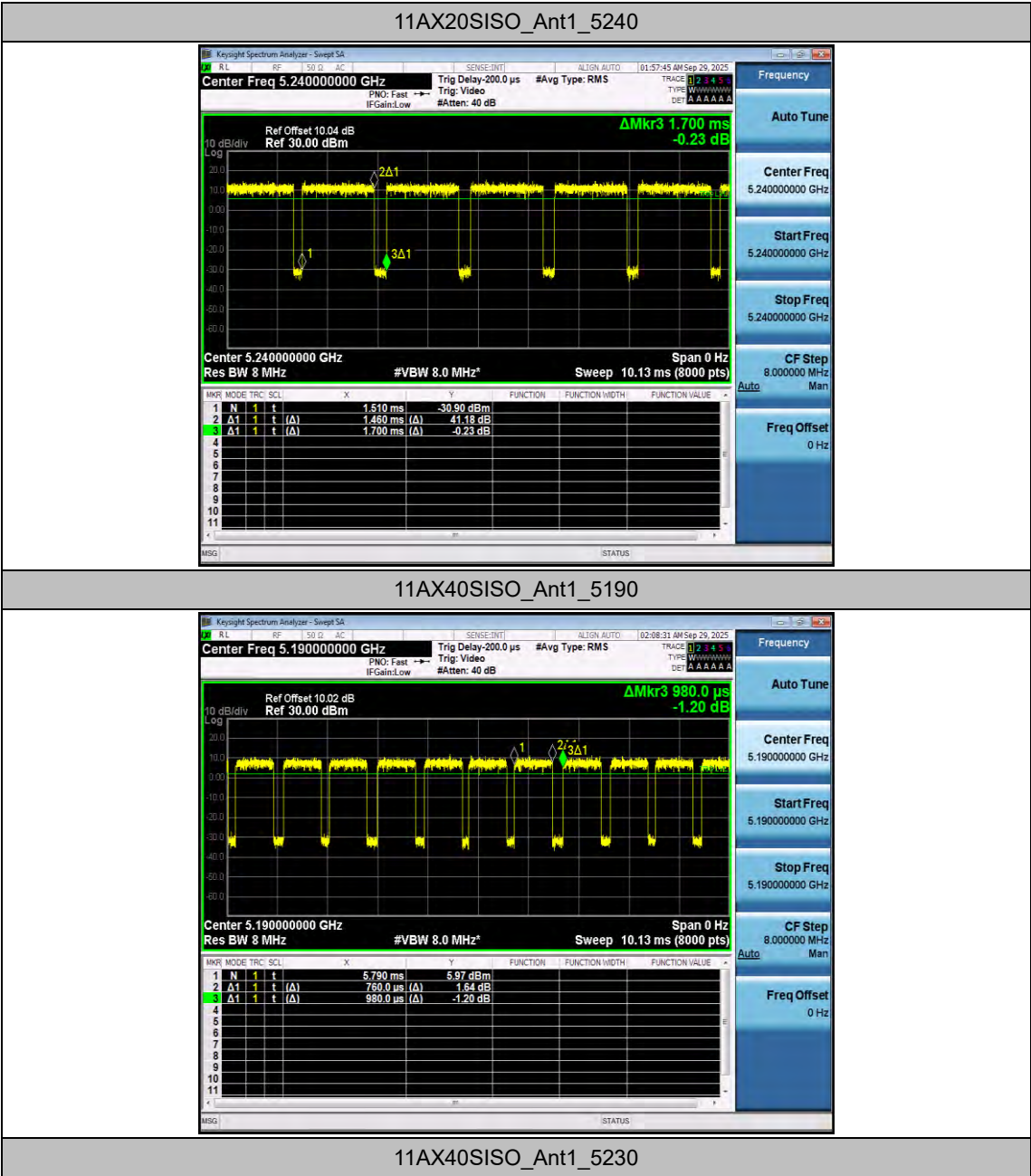


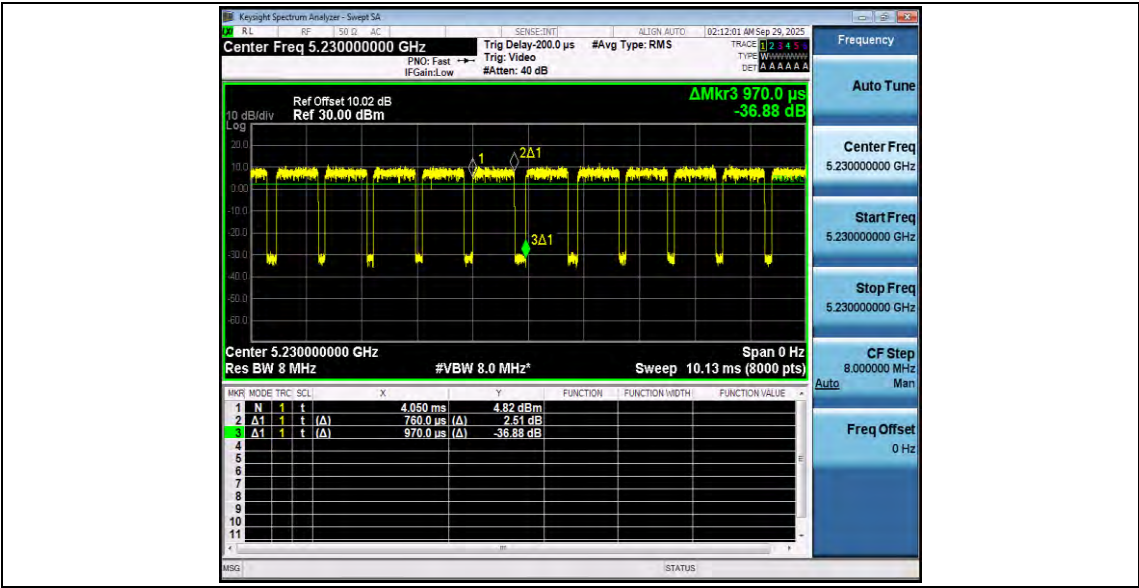
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200







Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.41	86.38	0.64	14.05	≤23.98	PASS
		5200	13.18	89.82	0.47	13.65	≤23.98	PASS
		5240	13.83	89.43	0.49	14.32	≤23.98	PASS
11N20SISO	Ant1	5180	13.10	90.91	0.41	13.51	≤23.98	PASS
		5200	13.24	90.87	0.42	13.66	≤23.98	PASS
		5240	13.82	89.57	0.48	14.30	≤23.98	PASS
11N40SISO	Ant1	5190	12.68	80.34	0.95	13.63	≤23.98	PASS
		5230	12.87	80.87	0.92	13.79	≤23.98	PASS
11AC20SISO	Ant1	5180	13.49	91.35	0.39	13.88	≤23.98	PASS
		5200	13.63	91.35	0.39	14.02	≤23.98	PASS
		5240	14.23	89.62	0.48	14.71	≤23.98	PASS
11AC40SISO	Ant1	5190	13.14	79.49	1.00	14.14	≤23.98	PASS
		5230	13.41	67.39	1.71	15.12	≤23.98	PASS
11AX20SISO	Ant1	5180	13.12	85.88	0.66	13.78	≤23.98	PASS
		5200	13.49	87.43	0.58	14.07	≤23.98	PASS
		5240	14.06	85.88	0.66	14.72	≤23.98	PASS
11AX40SISO	Ant1	5190	12.94	77.55	1.10	14.04	≤23.98	PASS
		5230	12.84	78.35	1.06	13.90	≤23.98	PASS

Appendix D.5: Maximum power spectral density

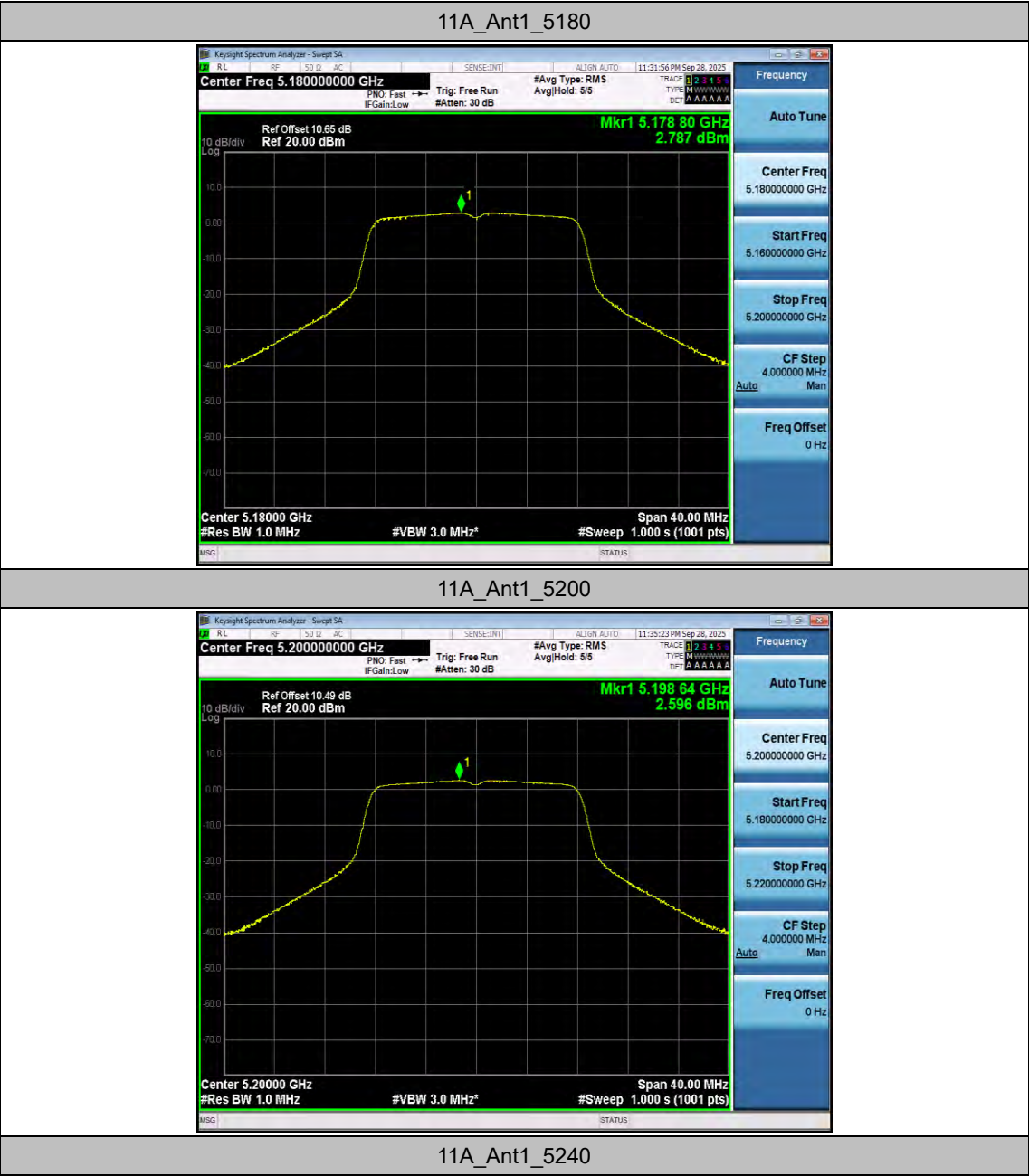
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.79	≤11.00	PASS
		5200	2.60	≤11.00	PASS
		5240	3.29	≤11.00	PASS
11N20SISO	Ant1	5180	2.12	≤11.00	PASS
		5200	2.27	≤11.00	PASS
		5240	2.91	≤11.00	PASS
11N40SISO	Ant1	5190	-0.45	≤11.00	PASS
		5230	0.02	≤11.00	PASS
11AC20SISO	Ant1	5180	2.43	≤11.00	PASS
		5200	2.64	≤11.00	PASS
		5240	3.34	≤11.00	PASS
11AC40SISO	Ant1	5190	0.00	≤11.00	PASS
		5230	1.39	≤11.00	PASS
11AX20SISO	Ant1	5180	2.11	≤11.00	PASS
		5200	2.56	≤11.00	PASS
		5240	3.27	≤11.00	PASS
11AX40SISO	Ant1	5190	-0.38	≤11.00	PASS
		5230	-0.41	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factorand RBW Factoriscompensatedinthegraph.

Test Graphs

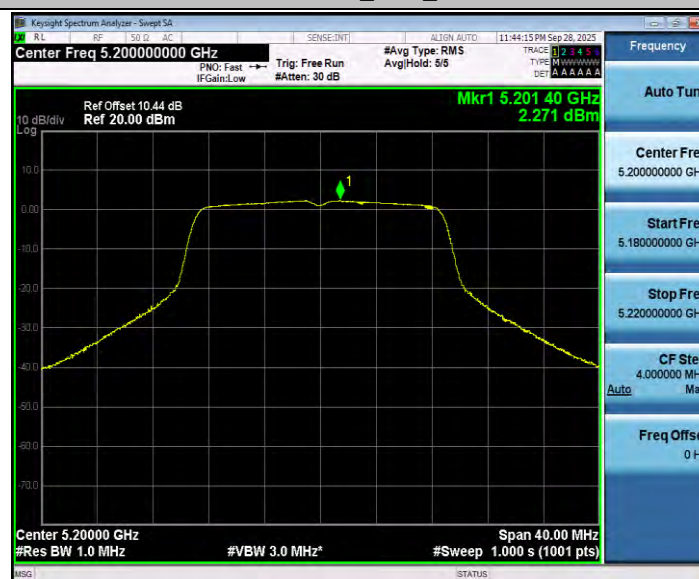




11N20SISO_Ant1_5180



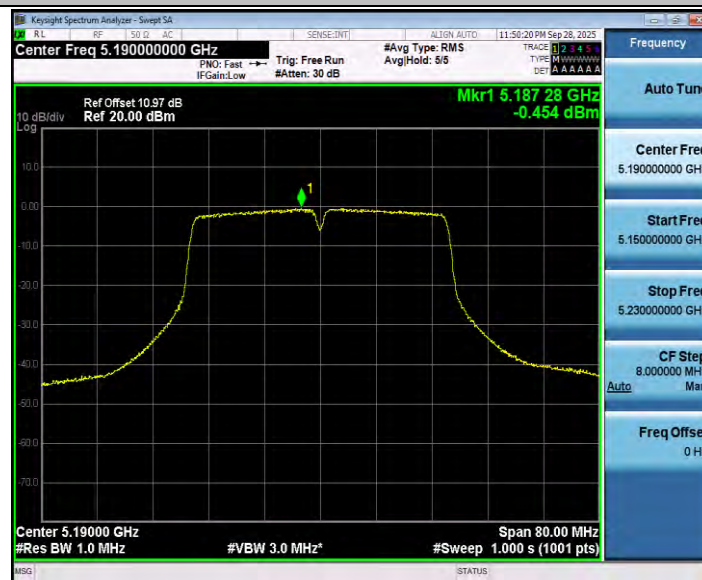
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

