

Case No. : <u>GTS20250603010-2-06</u>	
Ambient Condition: <u>23</u> °C, <u>47</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.7.17-2025.8.7</u>	Test Engineer: <u>Evan ouyang</u>

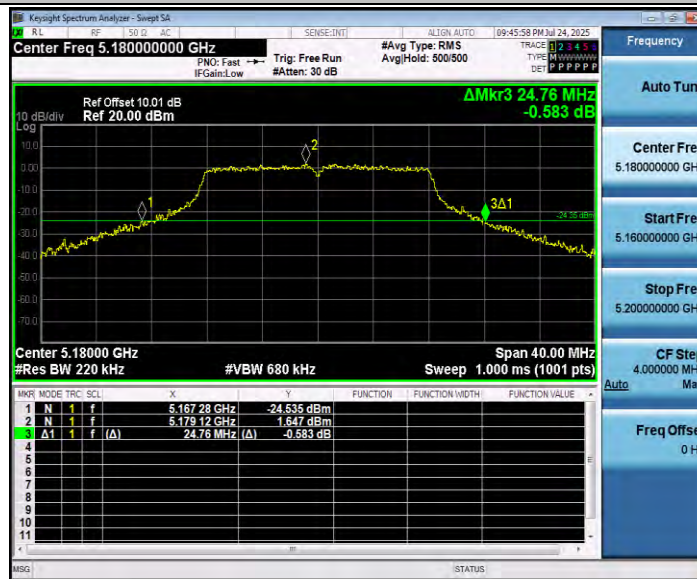
Appendix D.1: Emission Bandwidth

Test Result

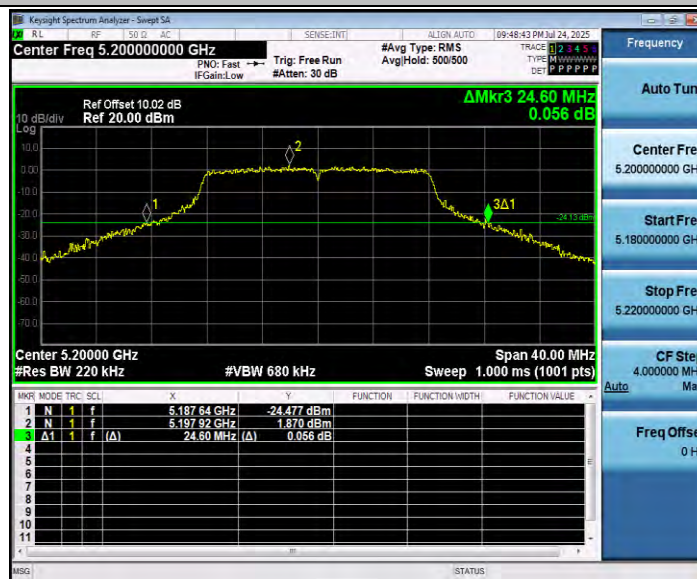
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.760	5167.280	5192.040	---	---
		5200	24.600	5187.640	5212.240	---	---
		5240	24.400	5227.520	5251.920	---	---
11N20SISO	Ant1	5180	25.360	5167.120	5192.480	---	---
		5200	26.000	5187.240	5213.240	---	---
		5240	25.280	5227.200	5252.480	---	---
11N40SISO	Ant1	5190	45.600	5167.120	5212.720	---	---
		5230	45.680	5206.640	5252.320	---	---
11AC20SISO	Ant1	5180	25.880	5166.800	5192.680	---	---
		5200	26.200	5186.840	5213.040	---	---
		5240	25.920	5226.760	5252.680	---	---
11AC40SISO	Ant1	5190	46.320	5166.880	5213.200	---	---
		5230	45.760	5206.800	5252.560	---	---
11AC80SISO	Ant1	5210	87.520	5166.160	5253.680	---	---
11AX20SISO	Ant1	5180	25.320	5167.360	5192.680	---	---
		5200	24.280	5188.000	5212.280	---	---
		5240	24.560	5227.480	5252.040	---	---
11AX40SISO	Ant1	5190	44.880	5167.360	5212.240	---	---
		5230	45.360	5207.120	5252.480	---	---
11AX80SISO	Ant1	5210	85.760	5167.120	5252.880	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240







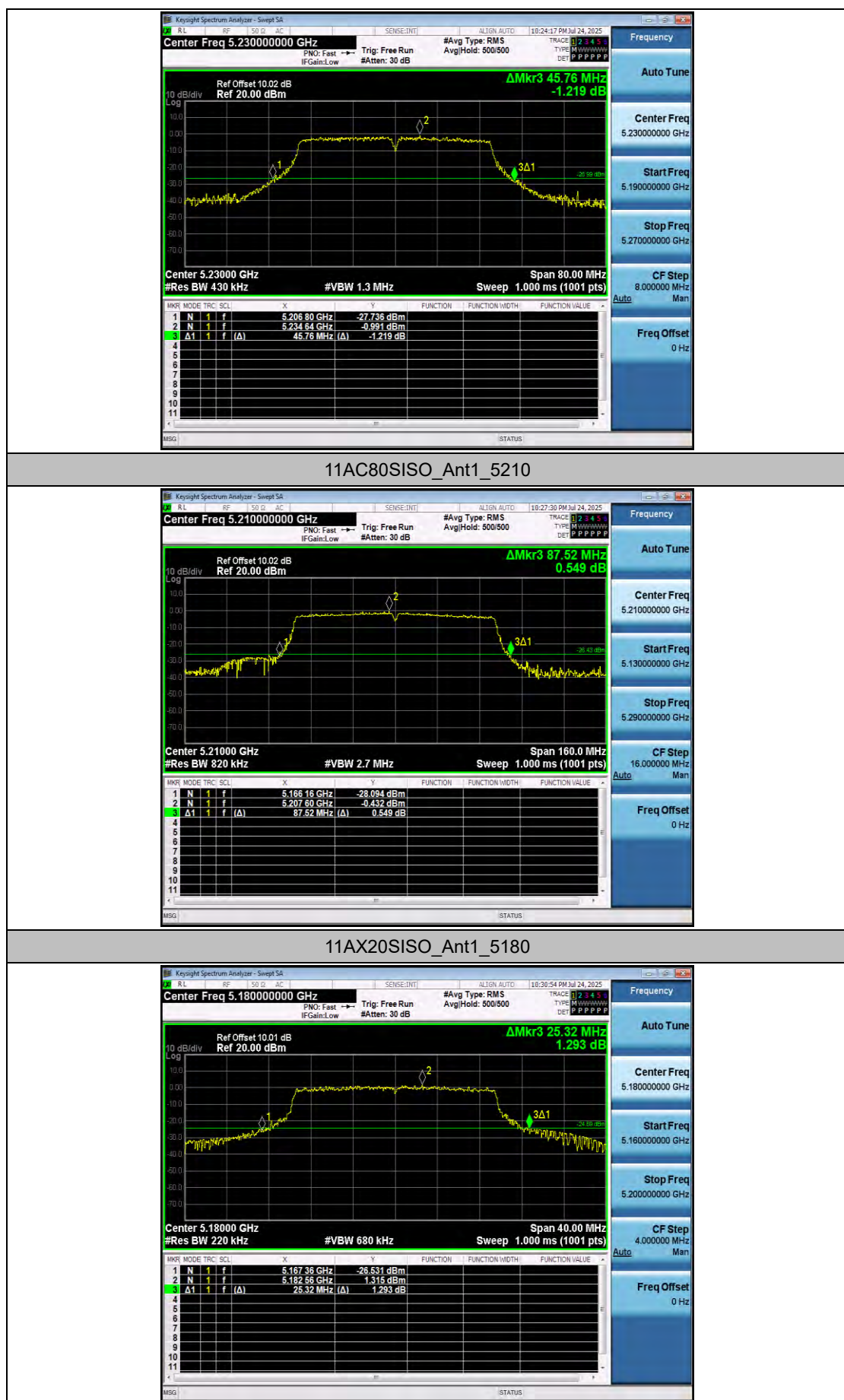
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



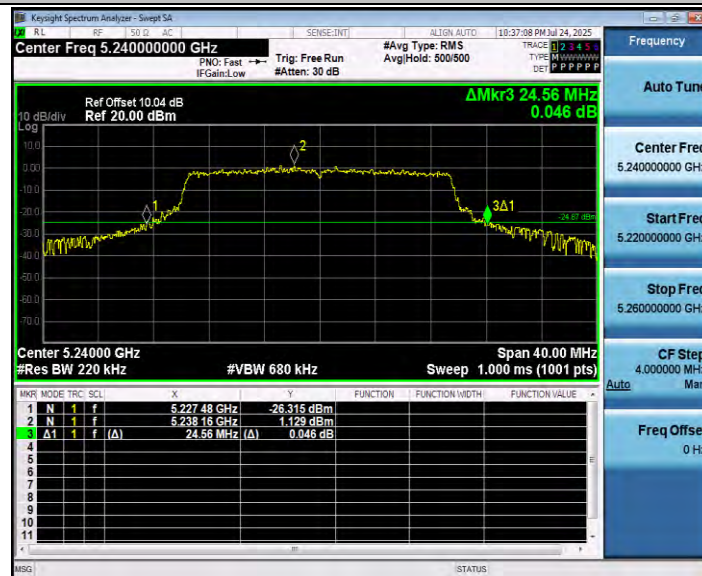
11AC40SISO_Ant1_5230



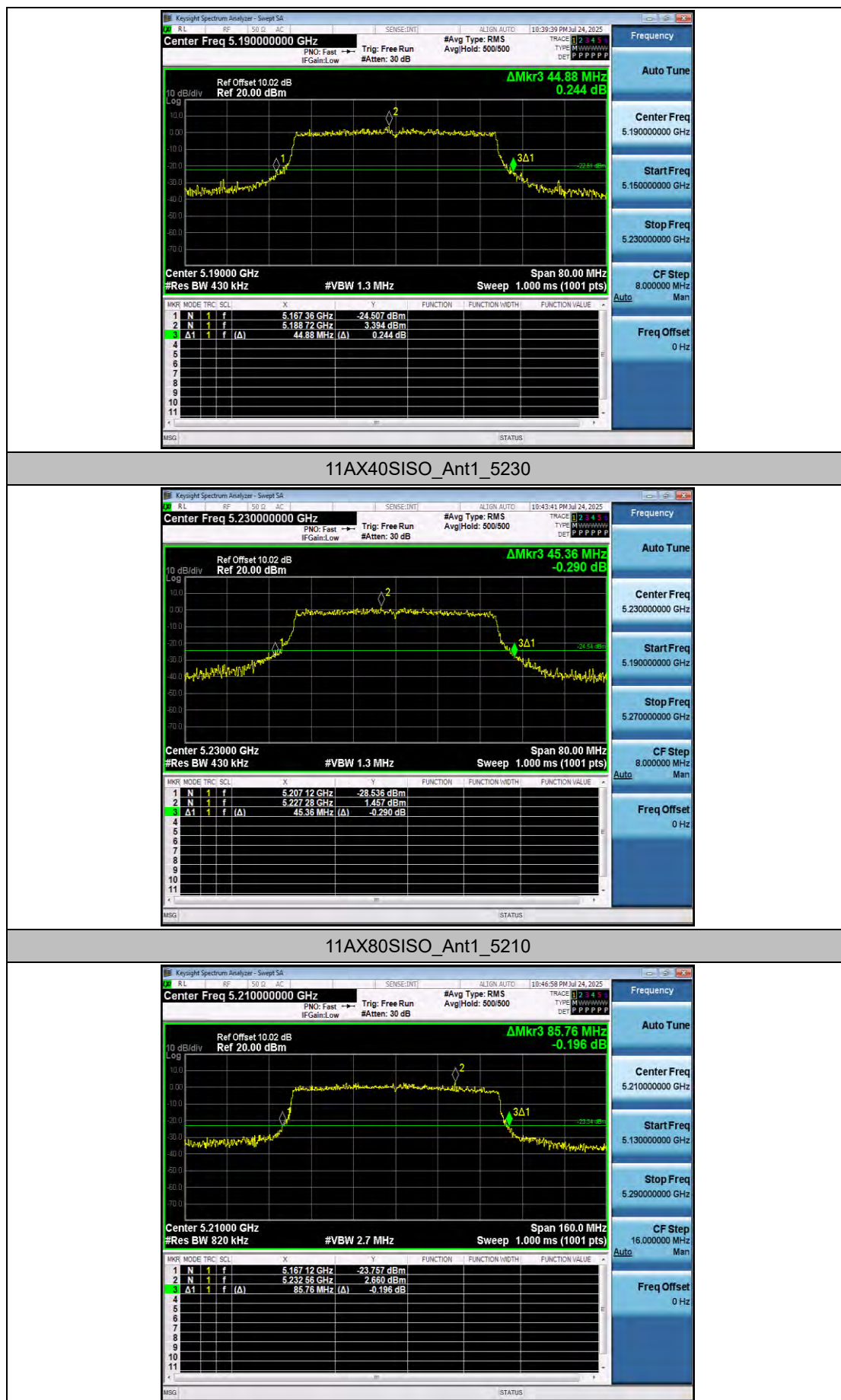
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190

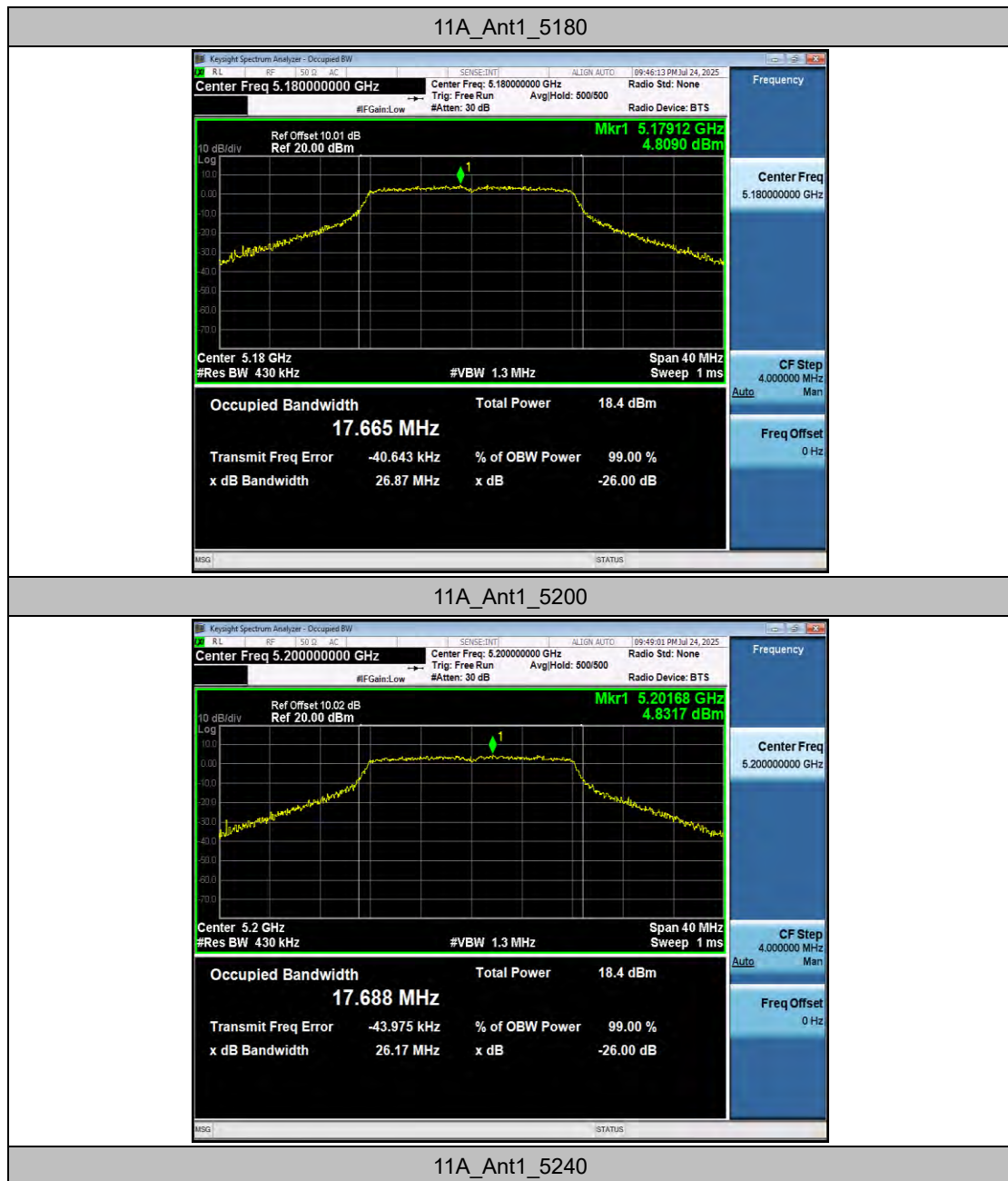


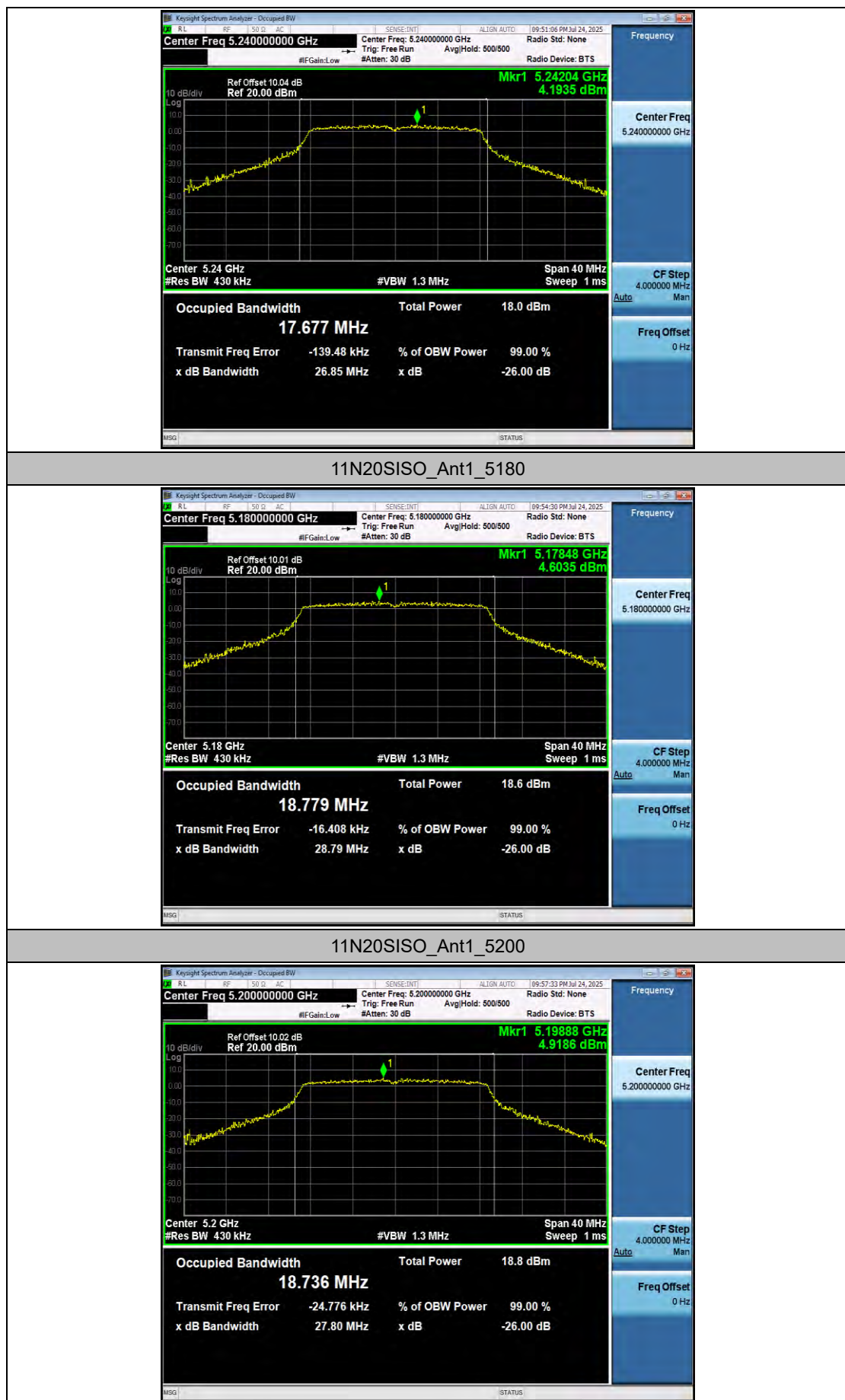
Appendix D.2: Occupied channel bandwidth

Test Result

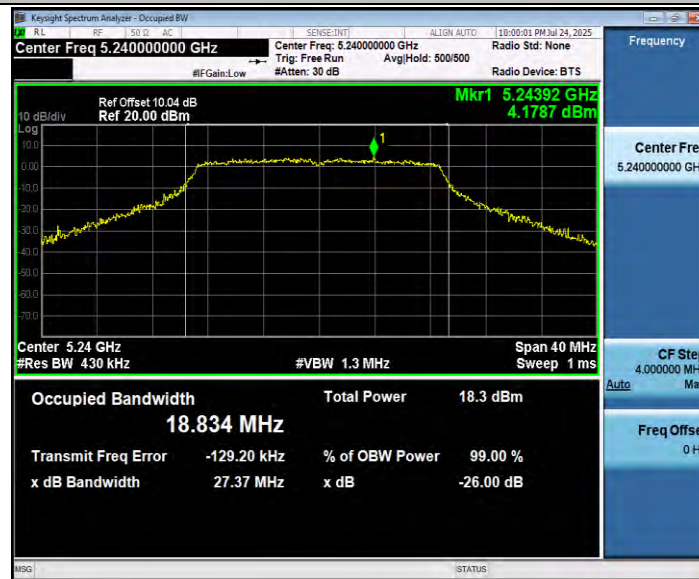
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.665	5171.1269	5188.7919	---	---
		5200	17.688	5191.1120	5208.8000	---	---
		5240	17.677	5231.0220	5248.6990	---	---
11N20SISO	Ant1	5180	18.779	5170.5941	5189.3731	---	---
		5200	18.736	5190.6072	5209.3432	---	---
		5240	18.834	5230.4538	5249.2878	---	---
11N40SISO	Ant1	5190	37.114	5171.5094	5208.6234	---	---
		5230	37.219	5211.3449	5248.5639	---	---
11AC20SISO	Ant1	5180	18.740	5170.5958	5189.3358	---	---
		5200	18.695	5190.6053	5209.3003	---	---
		5240	18.736	5230.5804	5249.3164	---	---
11AC40SISO	Ant1	5190	37.241	5171.3397	5208.5807	---	---
		5230	37.189	5211.2850	5248.4740	---	---
11AC80SISO	Ant1	5210	76.249	5171.7724	5248.0214	---	---
11AX20SISO	Ant1	5180	19.505	5170.2502	5189.7552	---	---
		5200	19.507	5190.2296	5209.7366	---	---
		5240	19.462	5230.2363	5249.6983	---	---
11AX40SISO	Ant1	5190	38.266	5170.8390	5209.1050	---	---
		5230	38.280	5210.8282	5249.1082	---	---
11AX80SISO	Ant1	5210	77.719	5170.9980	5248.7170	---	---

Test Graphs





11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



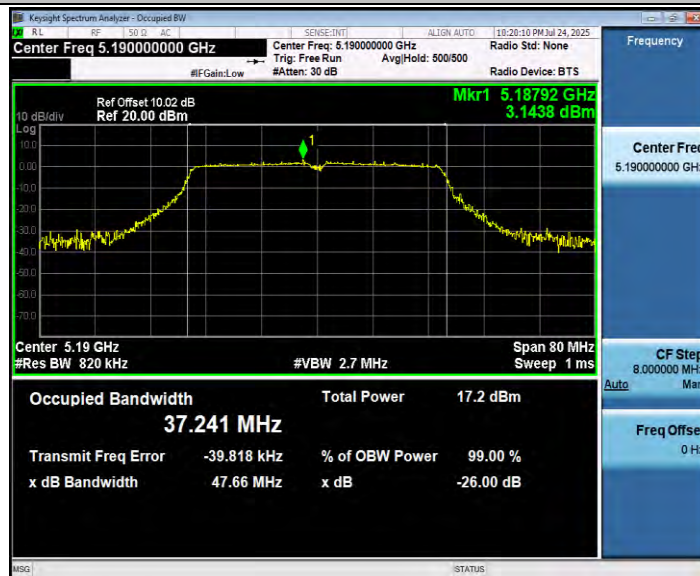
11N40SISO_Ant1_5230



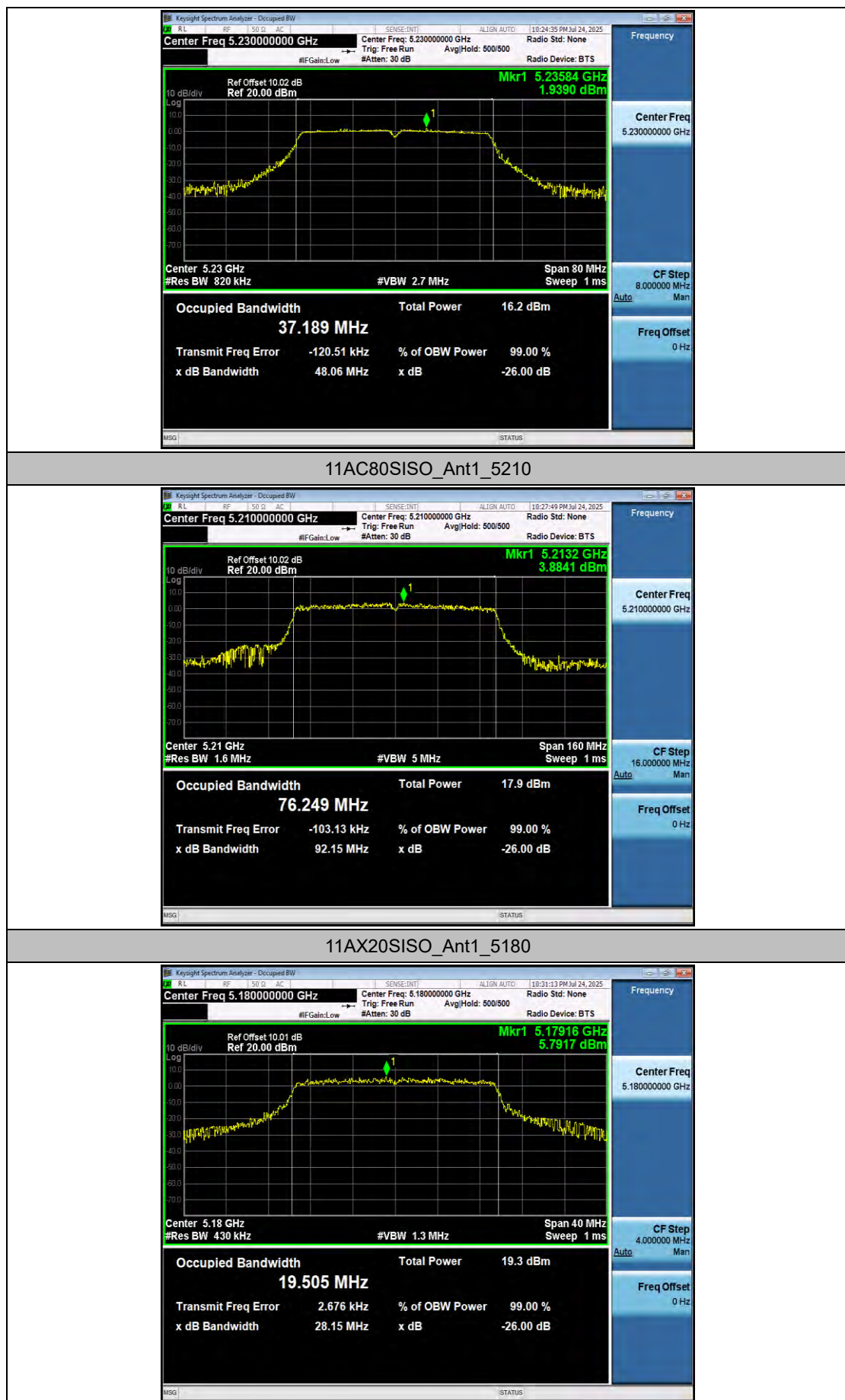
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5200



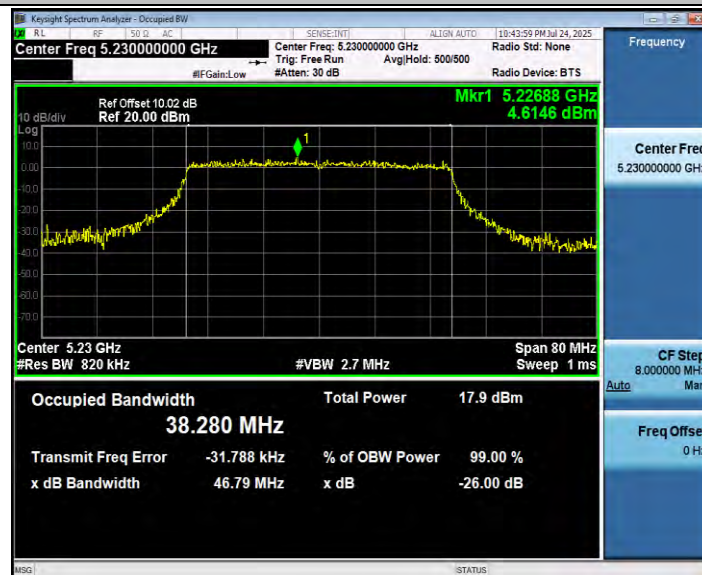
11AX20SISO_Ant1_5240



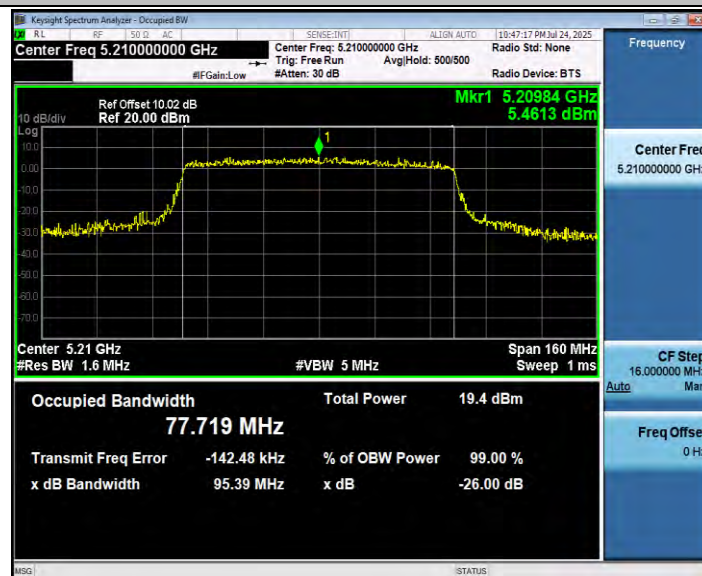
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

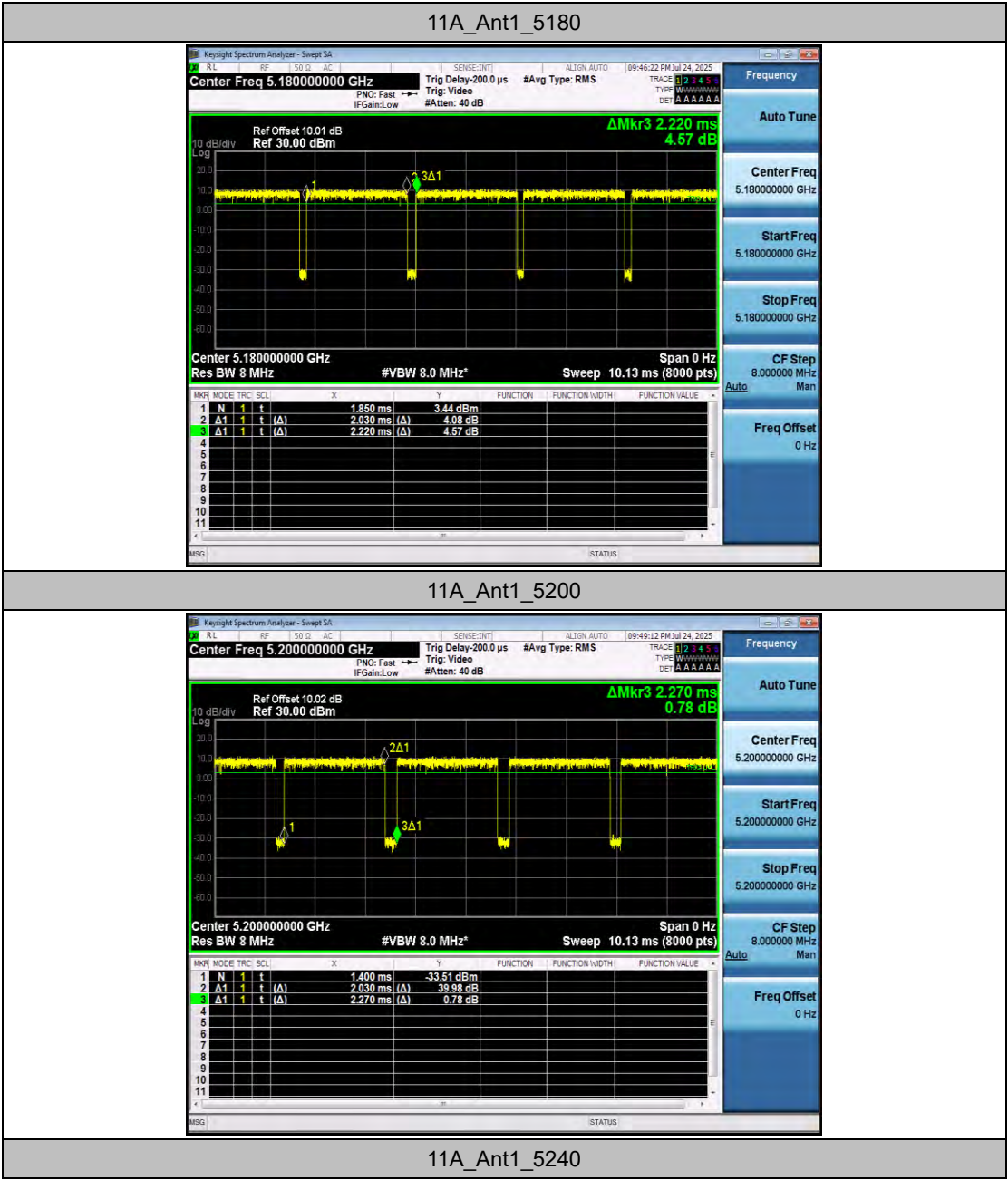


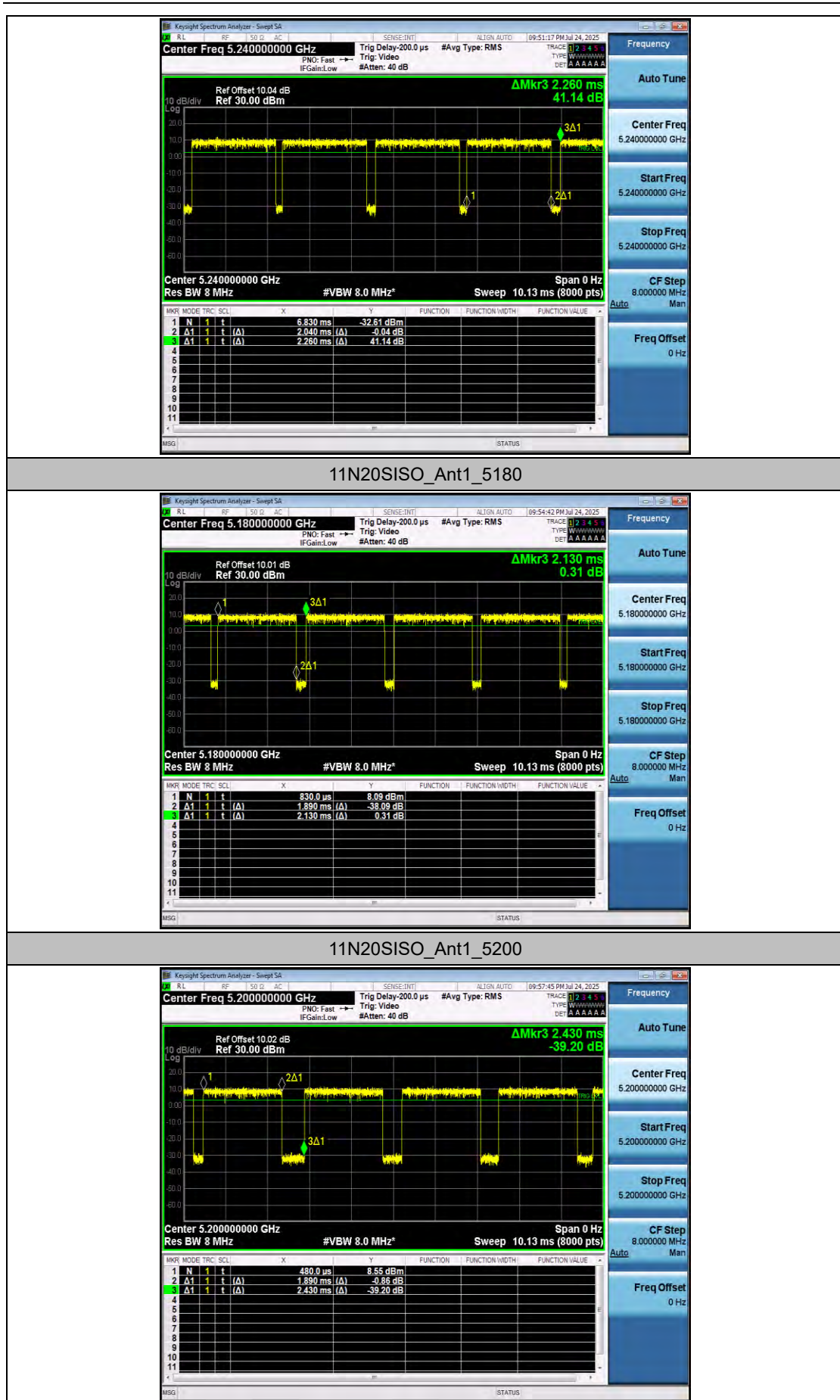
Appendix D.3: Duty Cycle

Test Result

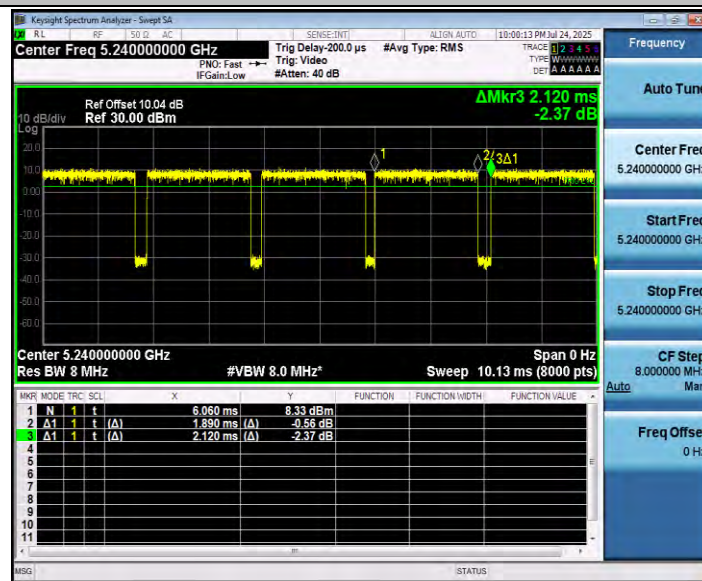
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.22	91.44	0.39	0.49
		5200	2.03	2.27	89.43	0.49	0.49
		5240	2.04	2.26	90.27	0.44	0.49
11N20SISO	Ant1	5180	1.89	2.13	88.73	0.52	0.53
		5200	1.89	2.43	77.78	1.09	0.53
		5240	1.89	2.12	89.15	0.50	0.53
11N40SISO	Ant1	5190	0.93	1.07	86.92	0.61	1.08
		5230	0.93	1.37	67.88	1.68	1.08
11AC20SISO	Ant1	5180	1.90	2.09	90.91	0.41	0.53
		5200	1.90	2.11	90.05	0.46	0.53
		5240	1.90	2.11	90.05	0.46	0.53
11AC40SISO	Ant1	5190	0.94	1.15	81.74	0.88	1.06
		5230	0.94	1.39	67.63	1.70	1.06
11AC80SISO	Ant1	5210	0.46	0.69	66.67	1.76	2.17
11AX20SISO	Ant1	5180	1.46	1.69	86.39	0.64	0.68
		5200	1.47	1.69	86.98	0.61	0.68
		5240	1.47	1.66	88.55	0.53	0.68
11AX40SISO	Ant1	5190	0.76	0.99	76.77	1.15	1.32
		5230	0.76	1.25	60.80	2.16	1.32
11AX80SISO	Ant1	5210	0.39	0.63	61.90	2.08	2.56

Test Graphs

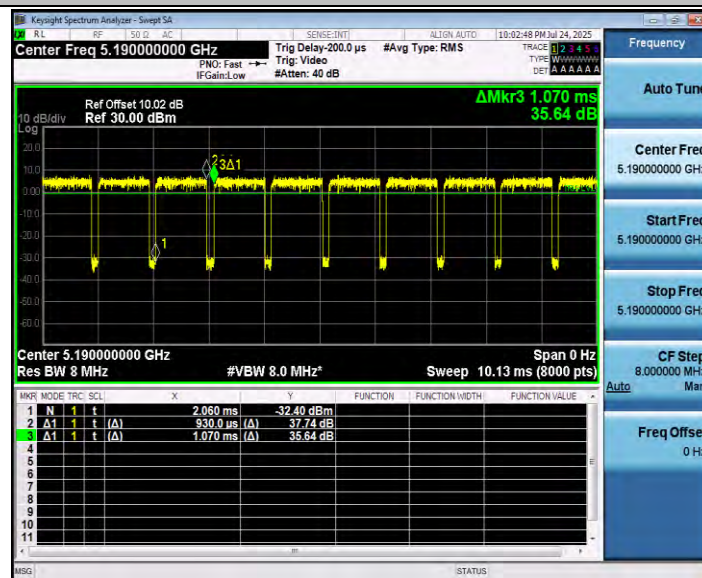




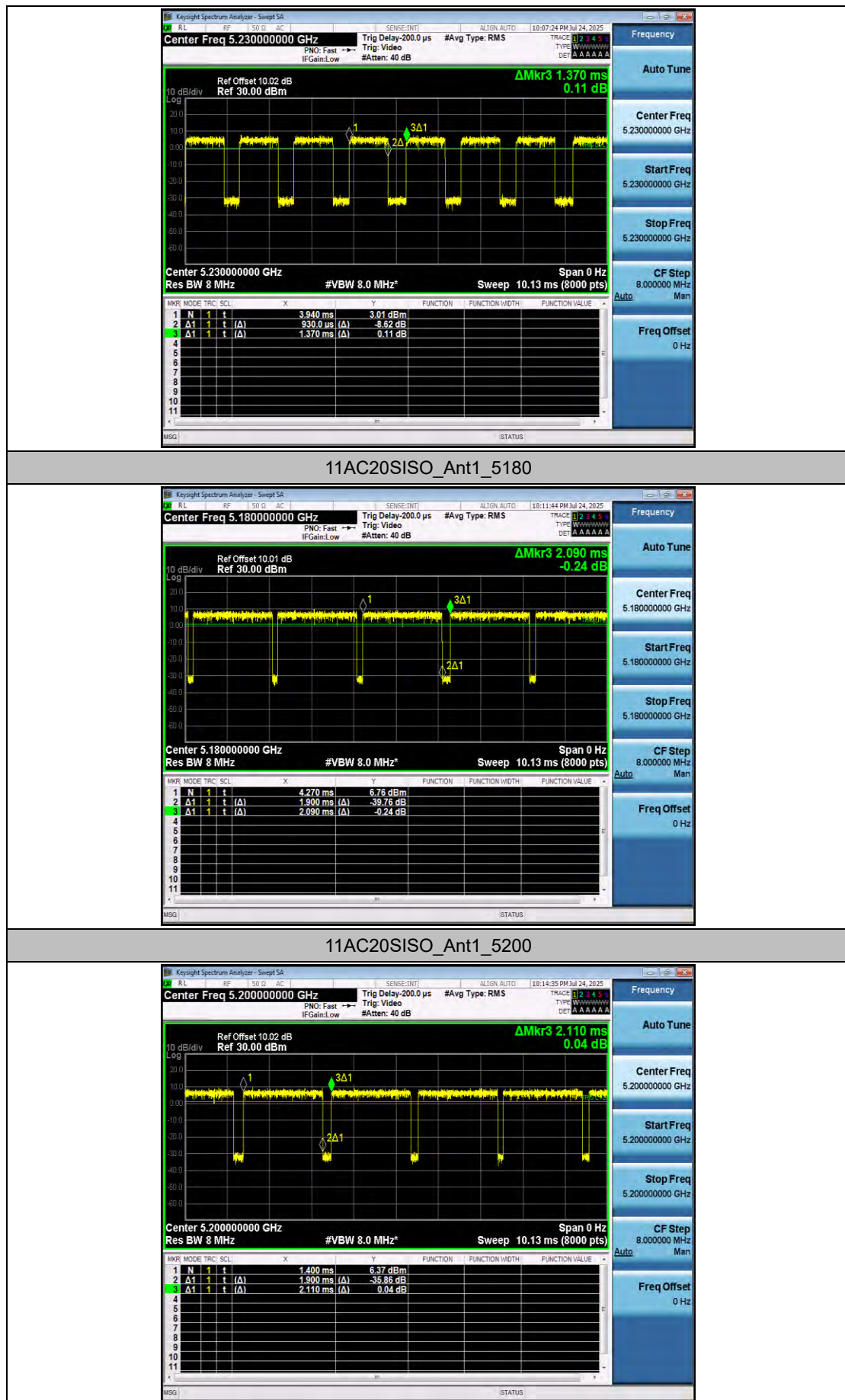
11N20SISO_Ant1_5240

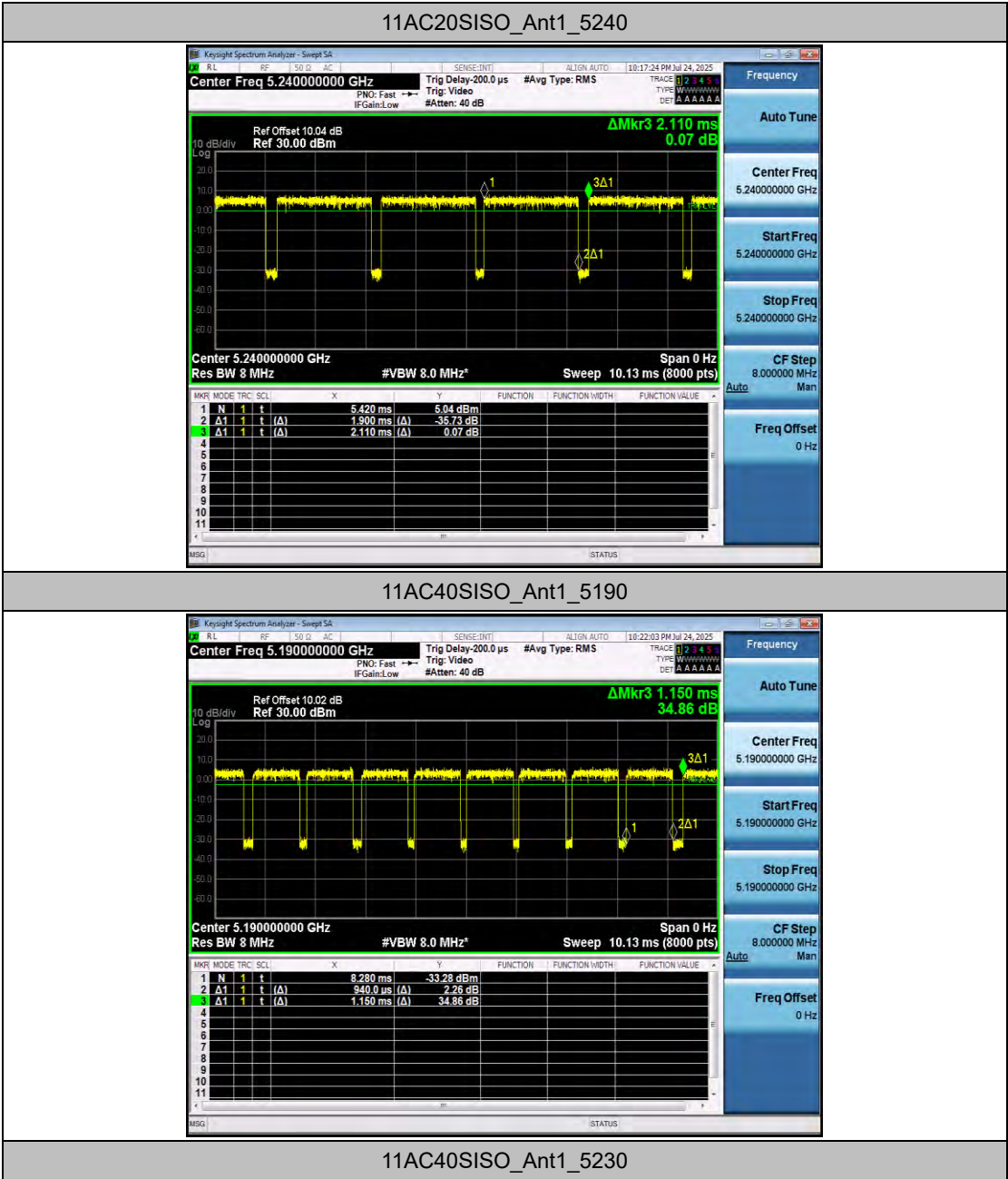


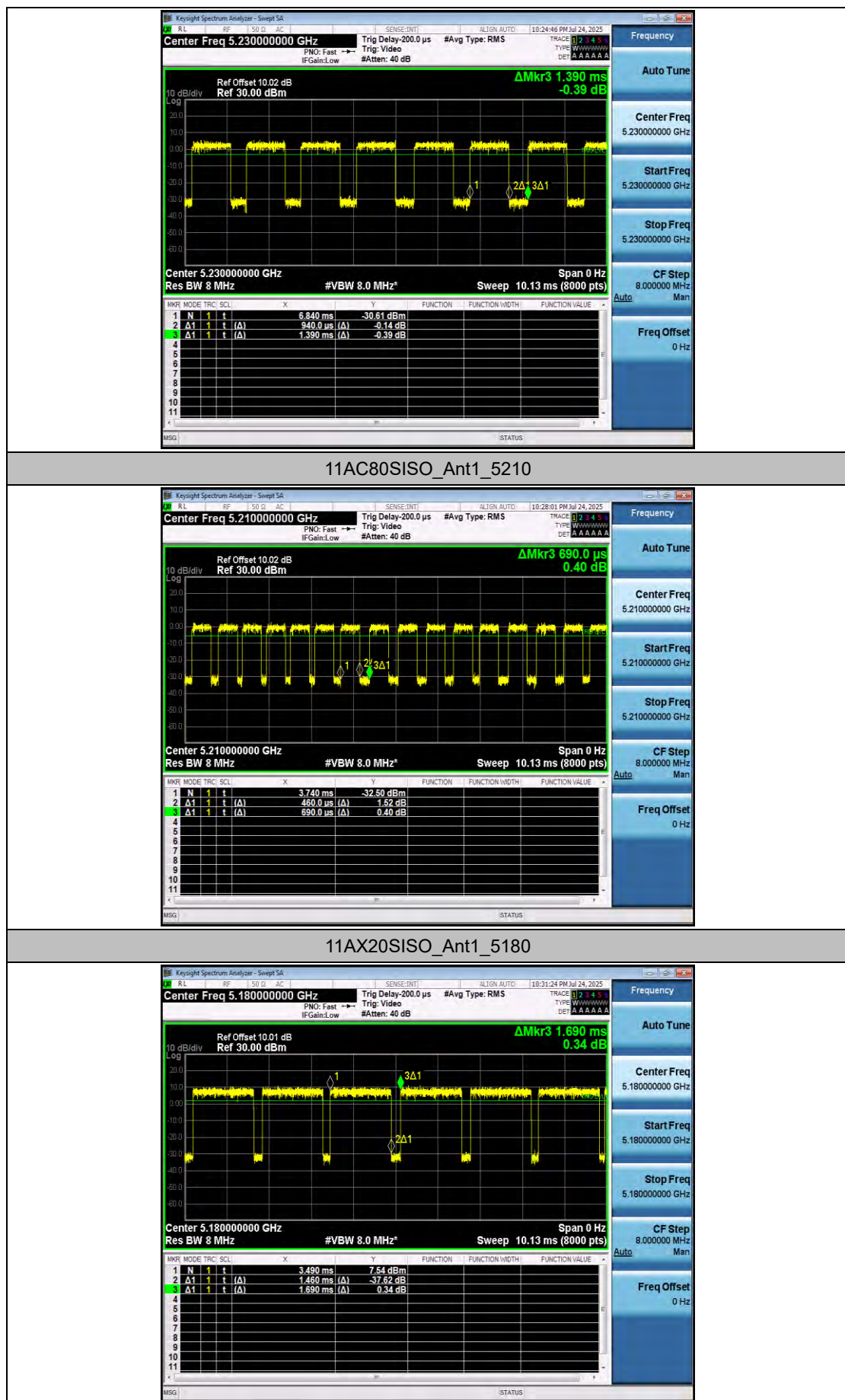
11N40SISO_Ant1_5190

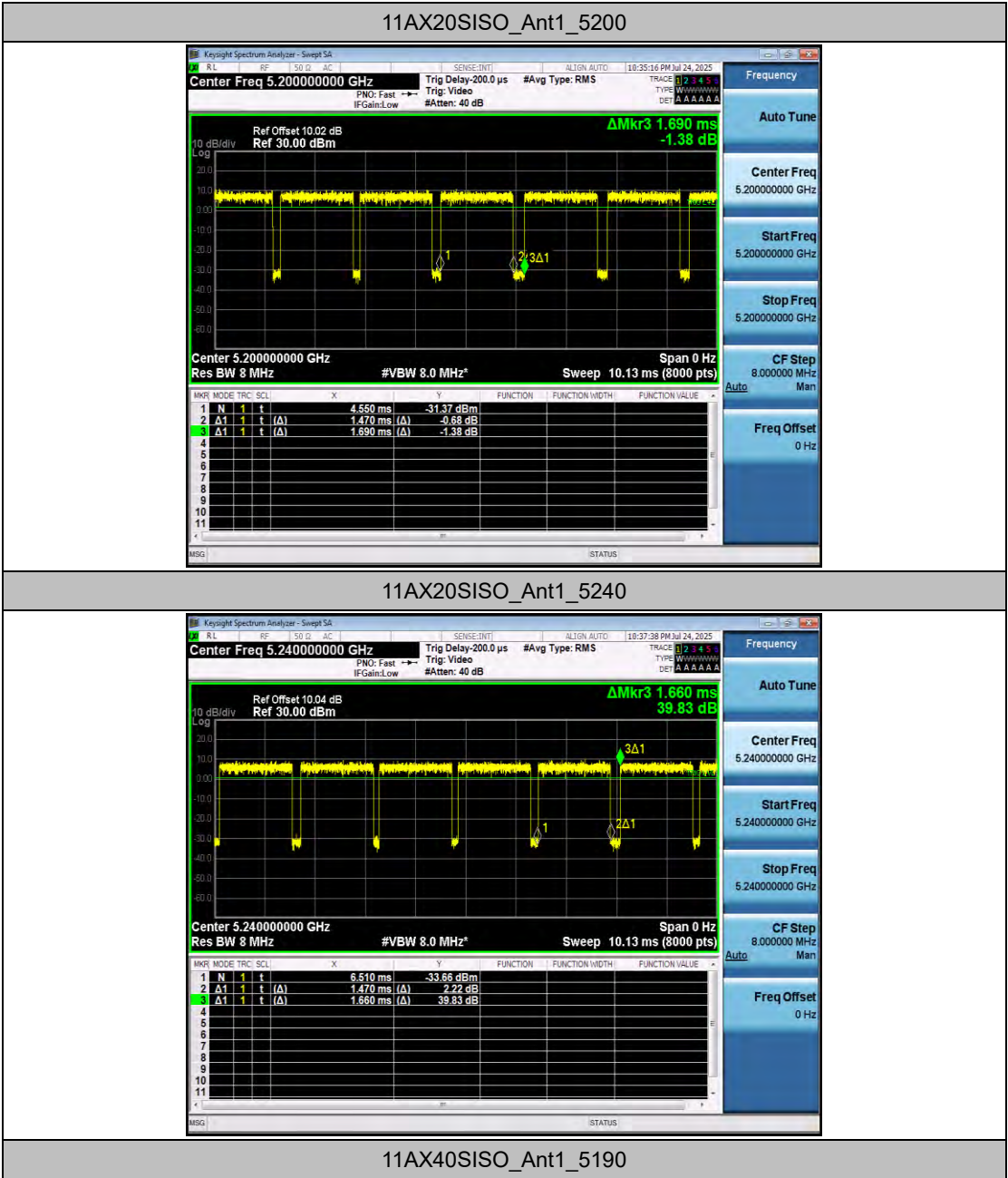


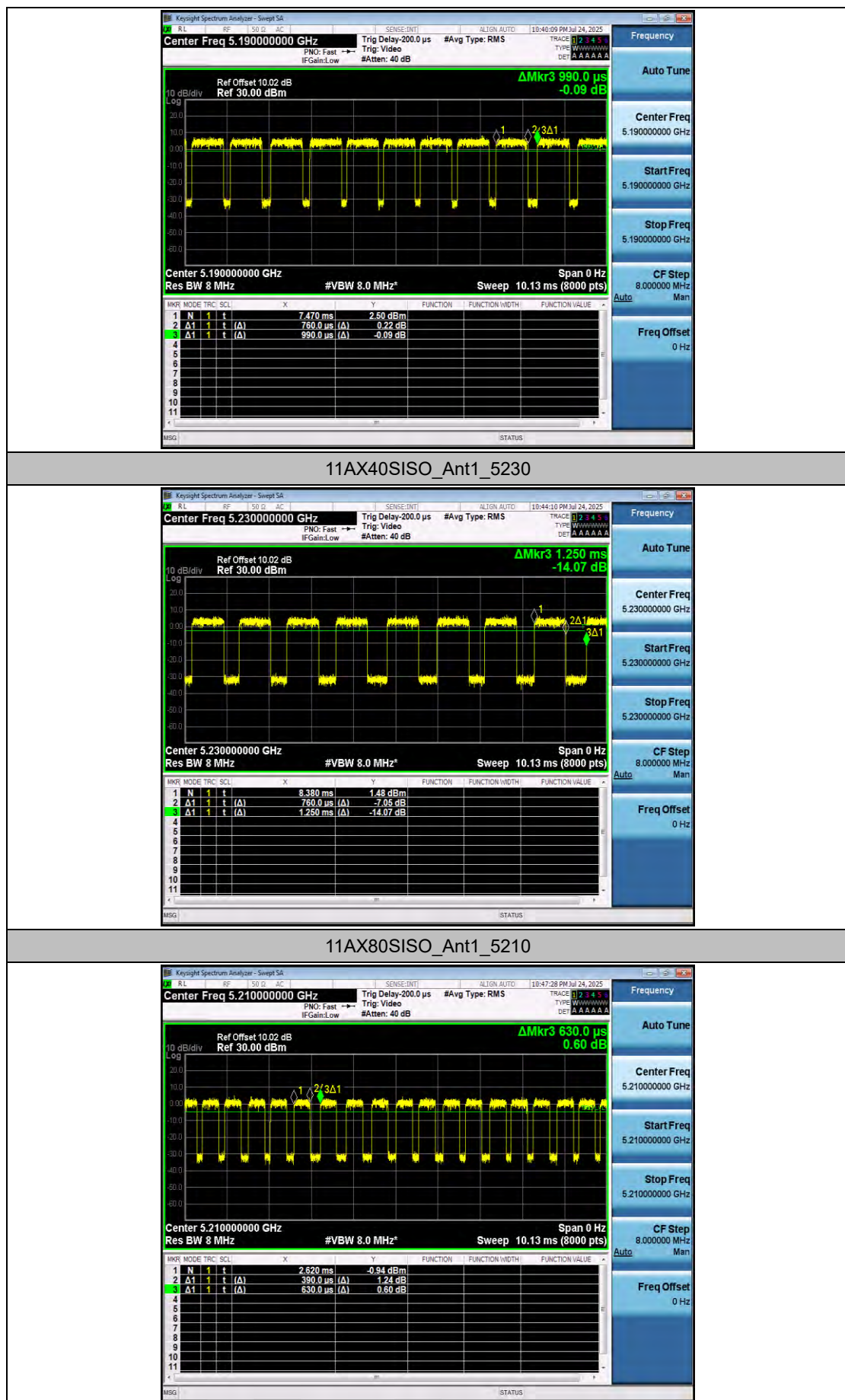
11N40SISO_Ant1_5230











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	11.23	91.44	0.39	11.62	≤23.98	PASS
		5200	11.22	89.43	0.49	11.71	≤23.98	PASS
		5240	11.34	90.27	0.44	11.78	≤23.98	PASS
11N20SISO	Ant1	5180	11.42	88.73	0.52	11.94	≤23.98	PASS
		5200	11.51	77.78	1.09	12.60	≤23.98	PASS
		5240	11.09	89.15	0.50	11.59	≤23.98	PASS
11N40SISO	Ant1	5190	11.19	86.92	0.61	11.80	≤23.98	PASS
		5230	10.49	67.88	1.68	12.17	≤23.98	PASS
11AC20SISO	Ant1	5180	9.73	90.91	0.41	10.14	≤23.98	PASS
		5200	9.52	90.05	0.46	9.98	≤23.98	PASS
		5240	8.21	90.05	0.46	8.67	≤23.98	PASS
11AC40SISO	Ant1	5190	9.07	81.74	0.88	9.95	≤23.98	PASS
		5230	8.23	67.63	1.70	9.93	≤23.98	PASS
11AC80SISO	Ant1	5210	7.56	66.67	1.76	9.32	≤23.98	PASS
11AX20SISO	Ant1	5180	10.58	86.39	0.64	11.22	≤23.98	PASS
		5200	10.15	86.98	0.61	10.76	≤23.98	PASS
		5240	9.07	88.55	0.53	9.60	≤23.98	PASS
11AX40SISO	Ant1	5190	9.93	76.77	1.15	11.08	≤23.98	PASS
		5230	8.50	60.80	2.16	10.66	≤23.98	PASS
11AX80SISO	Ant1	5210	8.33	61.90	2.08	10.41	≤23.98	PASS

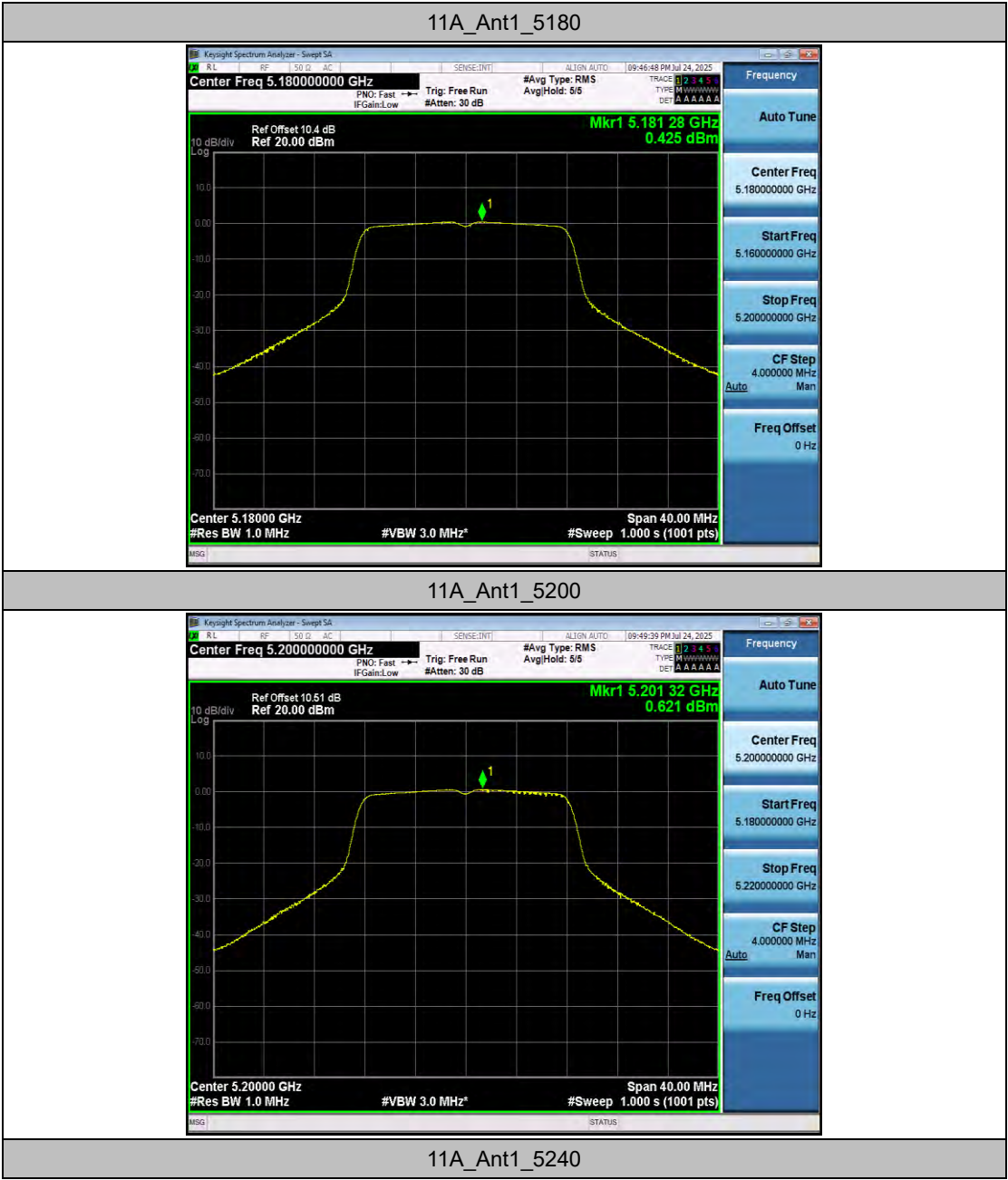
Appendix D.5: Maximum power spectral density

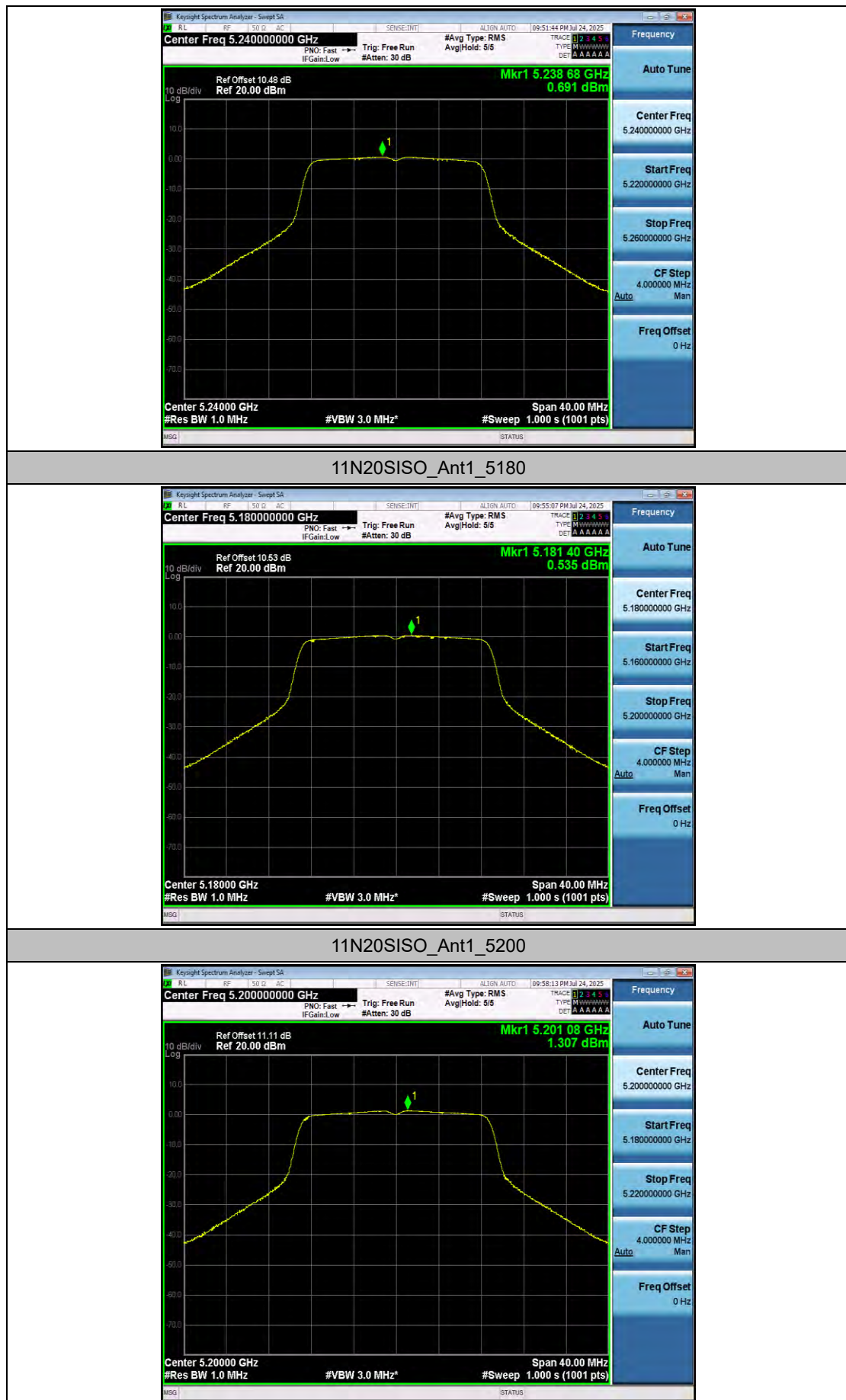
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.43	≤11.00	PASS
		5200	0.62	≤11.00	PASS
		5240	0.69	≤11.00	PASS
11N20SISO	Ant1	5180	0.54	≤11.00	PASS
		5200	1.31	≤11.00	PASS
		5240	0.27	≤11.00	PASS
11N40SISO	Ant1	5190	-2.43	≤11.00	PASS
		5230	-1.60	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.27	≤11.00	PASS
		5200	-1.37	≤11.00	PASS
		5240	-2.60	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.10	≤11.00	PASS
		5230	-4.24	≤11.00	PASS
11AC80SISO	Ant1	5210	-7.32	≤11.00	PASS
11AX20SISO	Ant1	5180	-0.42	≤11.00	PASS
		5200	-0.68	≤11.00	PASS
		5240	-1.85	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.54	≤11.00	PASS
		5230	-3.39	≤11.00	PASS
11AX80SISO	Ant1	5210	-6.50	≤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 Factor and RBW Factor is compensated in the graph.

Test Graphs





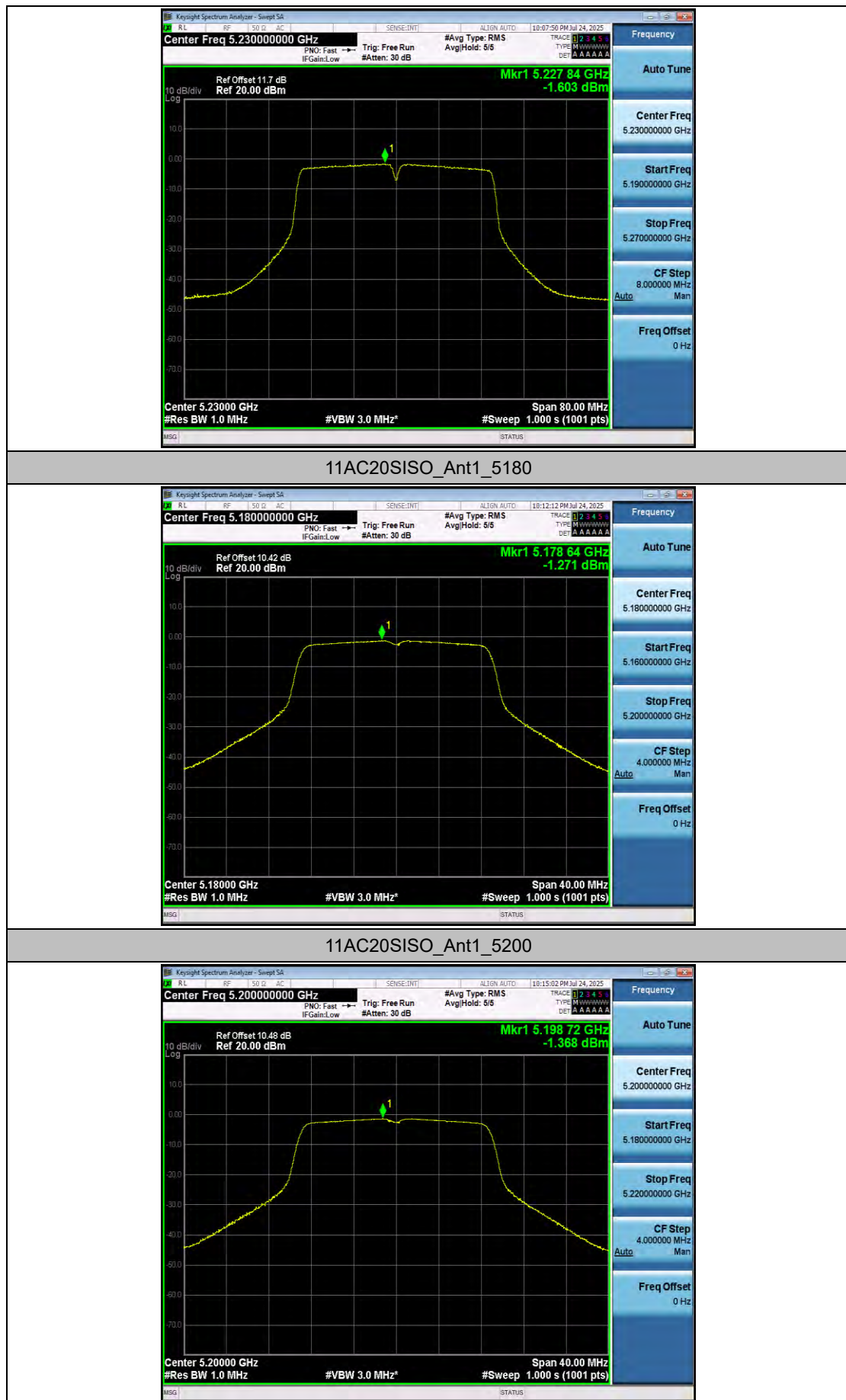
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5240



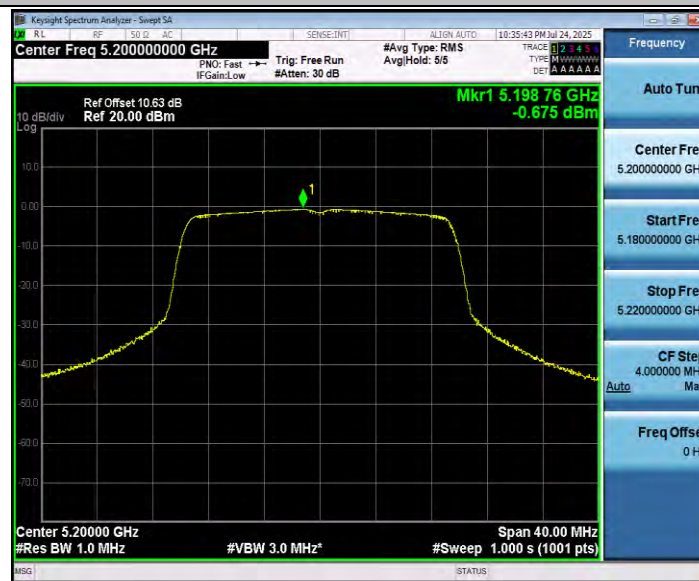
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190

