

Case No. : <u>GTS20250326027-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.6.10</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

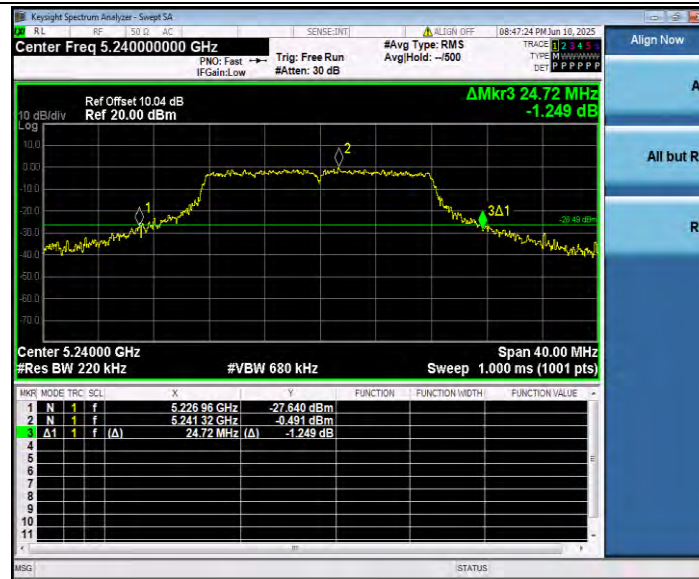
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.640	5167.560	5192.200	---	---
		5200	25.400	5187.400	5212.800	---	---
		5240	24.720	5226.960	5251.680	---	---
11N20SISO	Ant1	5180	25.520	5167.440	5192.960	---	---
		5200	25.360	5186.720	5212.080	---	---
		5240	26.600	5227.120	5253.720	---	---
11N40SISO	Ant1	5190	45.760	5166.880	5212.640	---	---
		5230	46.160	5206.800	5252.960	---	---
11AC20SISO	Ant1	5180	26.320	5166.160	5192.480	---	---
		5200	26.640	5187.000	5213.640	---	---
		5240	25.960	5227.120	5253.080	---	---
11AC40SISO	Ant1	5190	46.000	5167.040	5213.040	---	---
		5230	46.160	5206.400	5252.560	---	---
11AX20SISO	Ant1	5180	25.280	5167.560	5192.840	---	---
		5200	26.000	5187.400	5213.400	---	---
		5240	24.560	5227.520	5252.080	---	---
11AX40SISO	Ant1	5190	45.760	5167.600	5213.360	---	---
		5230	45.600	5207.520	5253.120	---	---

Test Graphs



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



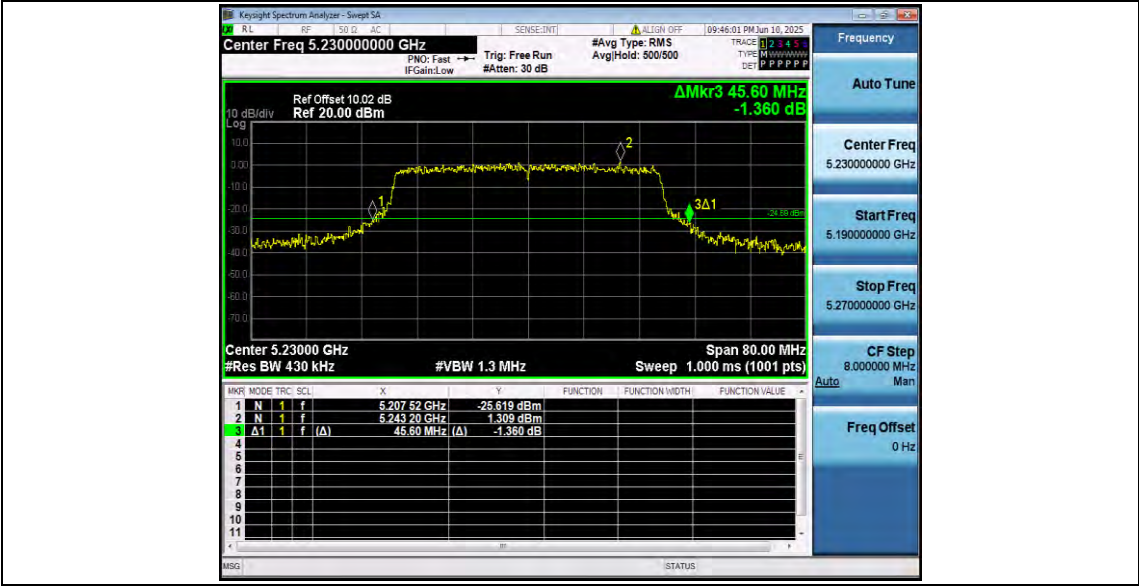
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

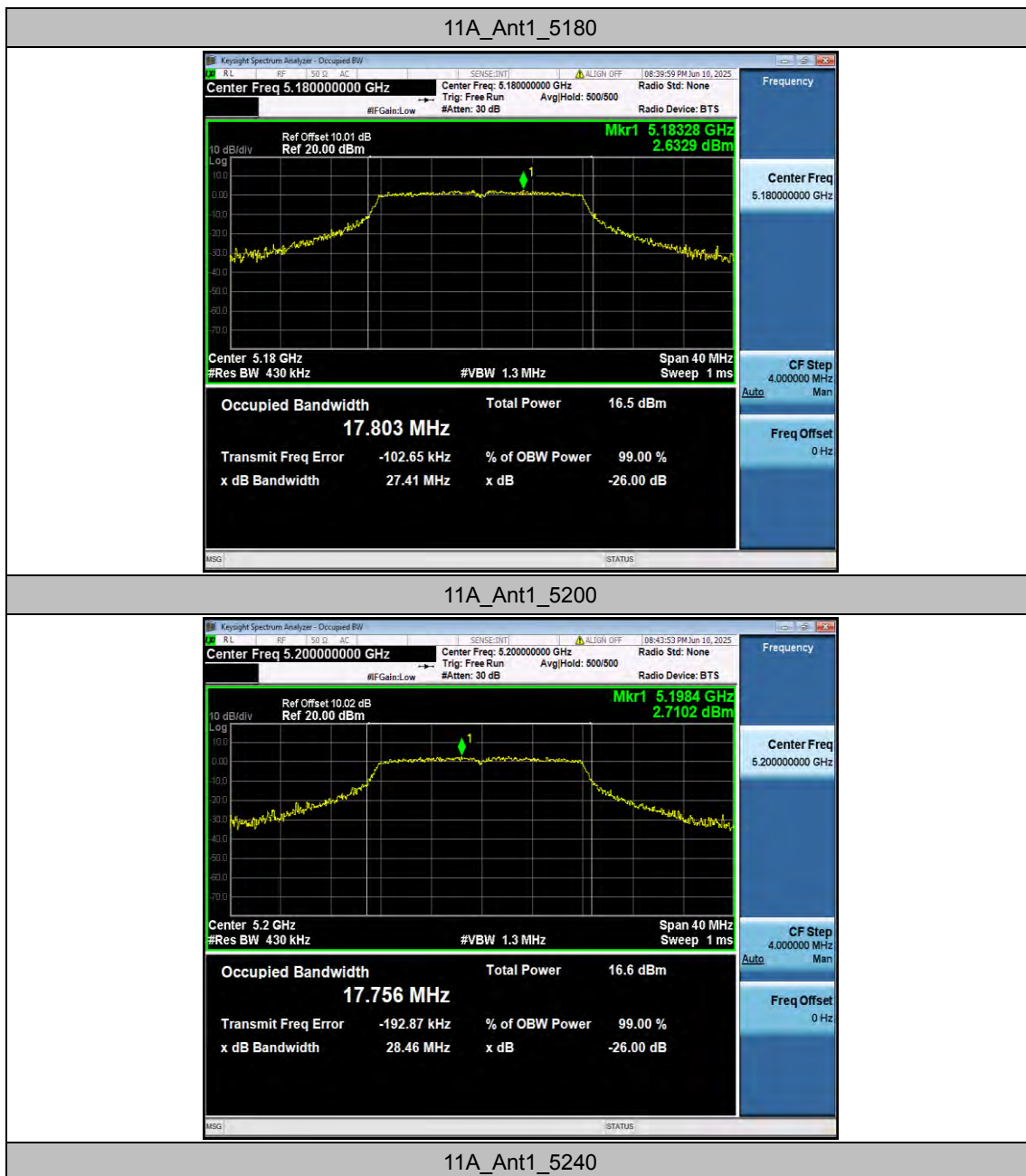


Appendix D.2: Occupied channel bandwidth

Test Result

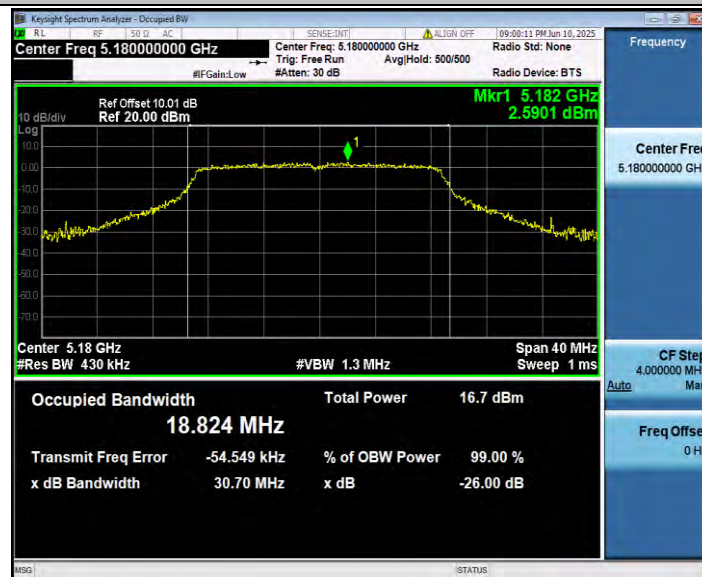
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.803	5170.9959	5188.7989	---	---
		5200	17.756	5190.9291	5208.6851	---	---
		5240	17.746	5230.9324	5248.6784	---	---
11N20SISO	Ant1	5180	18.824	5170.5335	5189.3575	---	---
		5200	18.774	5190.4980	5209.2720	---	---
		5240	18.822	5230.4948	5249.3168	---	---
11N40SISO	Ant1	5190	37.259	5171.2934	5208.5524	---	---
		5230	37.364	5211.2114	5248.5754	---	---
11AC20SISO	Ant1	5180	18.793	5170.5350	5189.3280	---	---
		5200	18.694	5190.5464	5209.2404	---	---
		5240	18.870	5230.4223	5249.2923	---	---
11AC40SISO	Ant1	5190	37.272	5171.3124	5208.5844	---	---
		5230	37.359	5211.2429	5248.6019	---	---
11AX20SISO	Ant1	5180	19.490	5170.2627	5189.7527	---	---
		5200	19.554	5190.2092	5209.7632	---	---
		5240	19.432	5230.2000	5249.6320	---	---
11AX40SISO	Ant1	5190	38.307	5170.8172	5209.1242	---	---
		5230	38.273	5210.7501	5249.0231	---	---

Test Graphs





11N20SISO_Ant1_5180



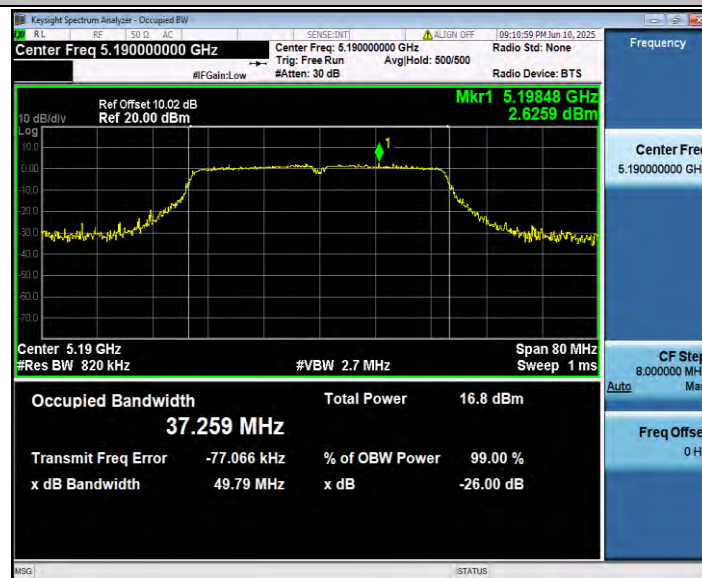
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



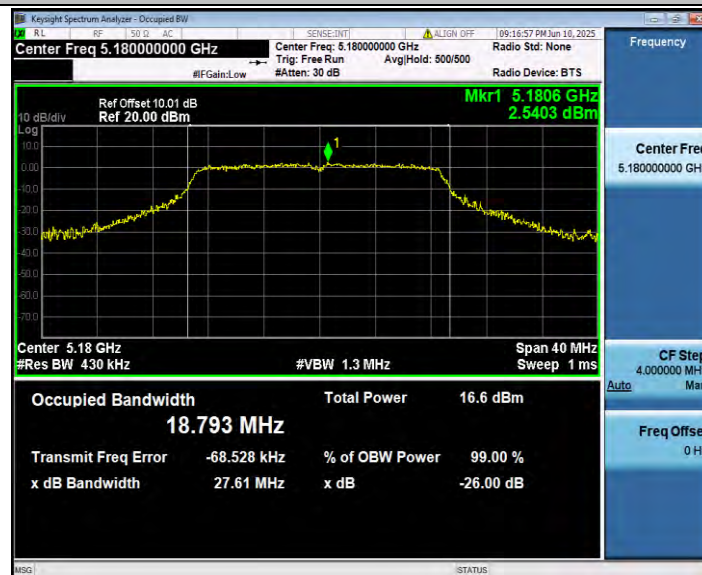
11N40SISO_Ant1_5190



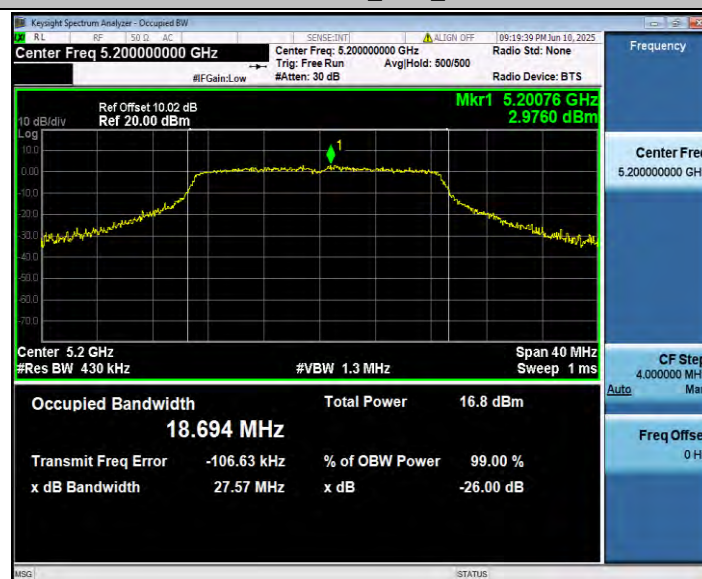
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



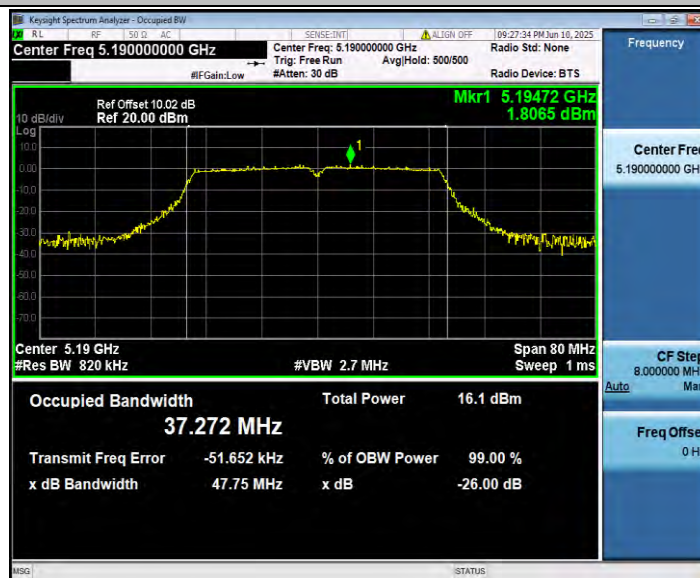
11AC20SISO_Ant1_5200



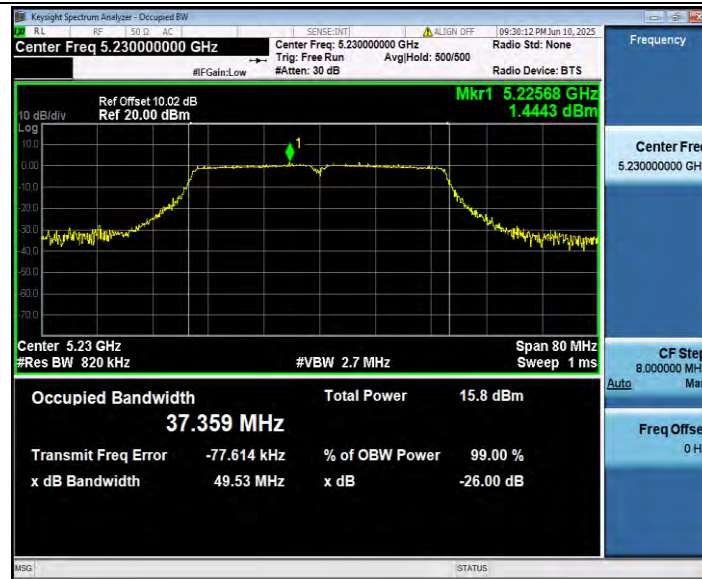
11AC20SISO_Ant1_5240



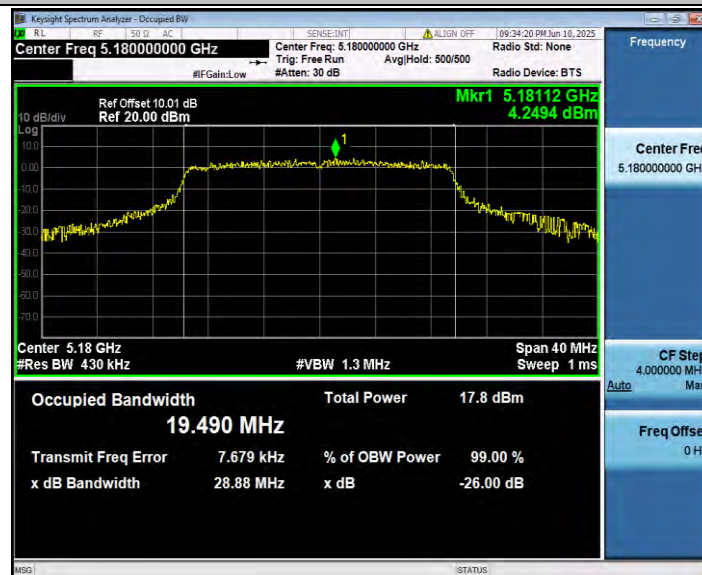
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



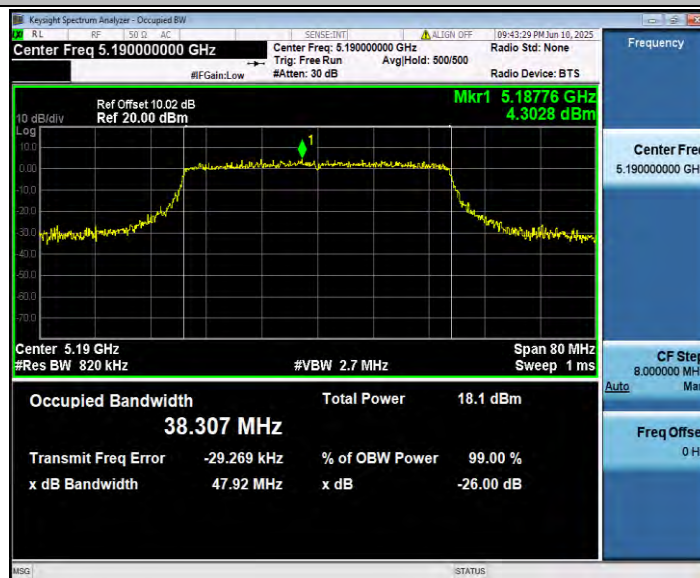
11AX20SISO_Ant1_5200



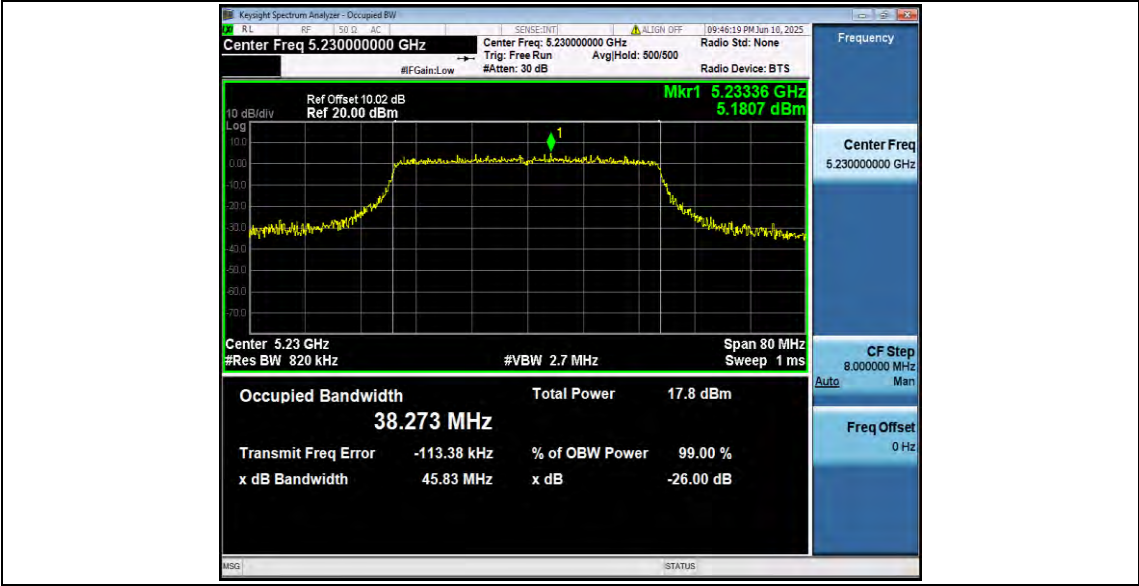
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

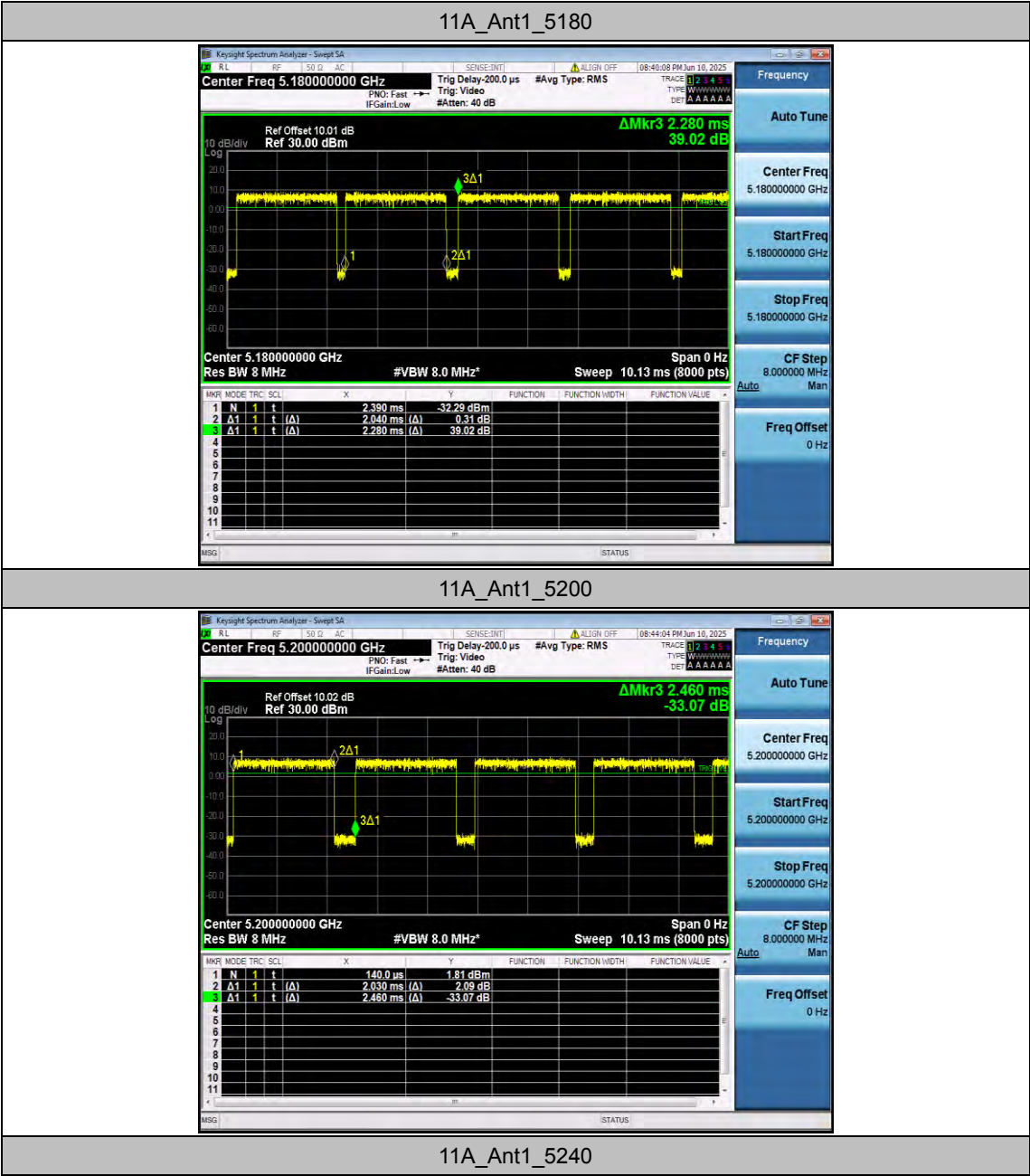


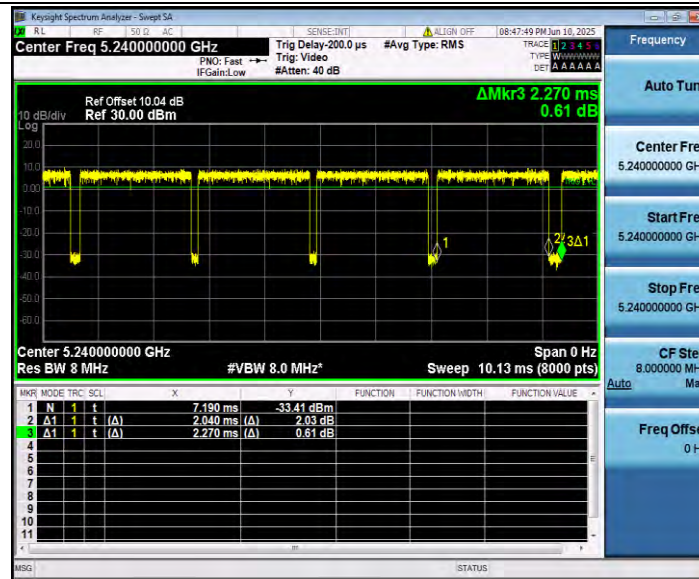
Appendix D.3: Duty Cycle

Test Result

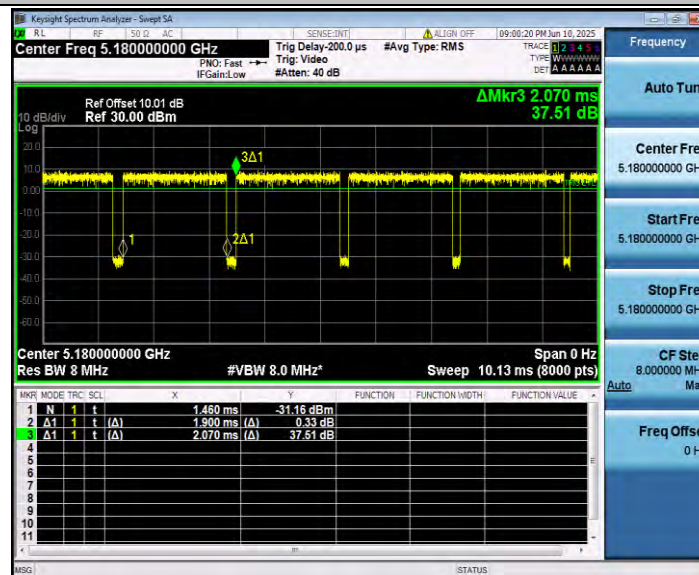
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.04	2.28	89.47	0.48	0.49
		5200	2.03	2.46	82.52	0.83	0.49
		5240	2.04	2.27	89.87	0.46	0.49
11N20SISO	Ant1	5180	1.90	2.07	91.79	0.37	0.53
		5200	1.89	2.06	91.75	0.37	0.53
		5240	1.90	2.11	90.05	0.46	0.53
11N40SISO	Ant1	5190	0.93	1.15	80.87	0.92	1.08
		5230	0.93	1.11	83.78	0.77	1.08
11AC20SISO	Ant1	5180	1.90	2.37	80.17	0.96	0.53
		5200	1.90	2.02	94.06	0.27	0.53
		5240	1.90	2.13	89.20	0.50	0.53
11AC40SISO	Ant1	5190	0.94	1.11	84.68	0.72	1.06
		5230	0.94	1.37	68.61	1.64	1.06
11AX20SISO	Ant1	5180	1.46	1.67	87.43	0.58	0.68
		5200	1.47	1.83	80.33	0.95	0.68
		5240	1.46	1.63	89.57	0.48	0.68
11AX40SISO	Ant1	5190	0.76	1.00	76.00	1.19	1.32
		5230	0.76	0.93	81.72	0.88	1.32

Test Graphs

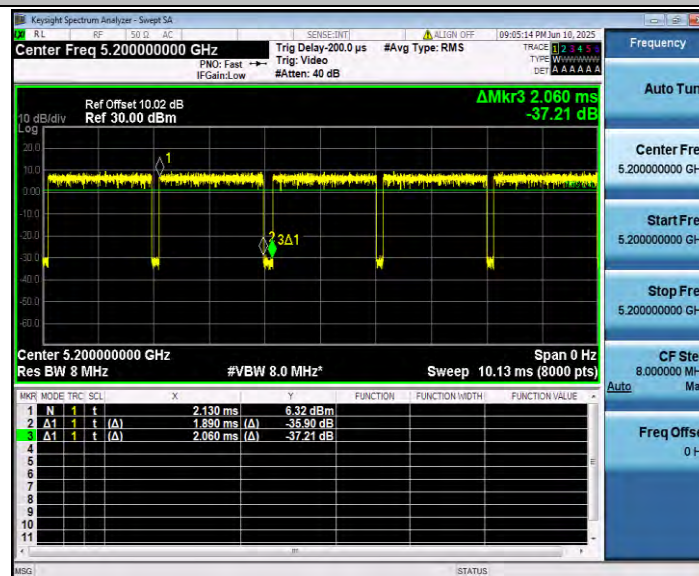




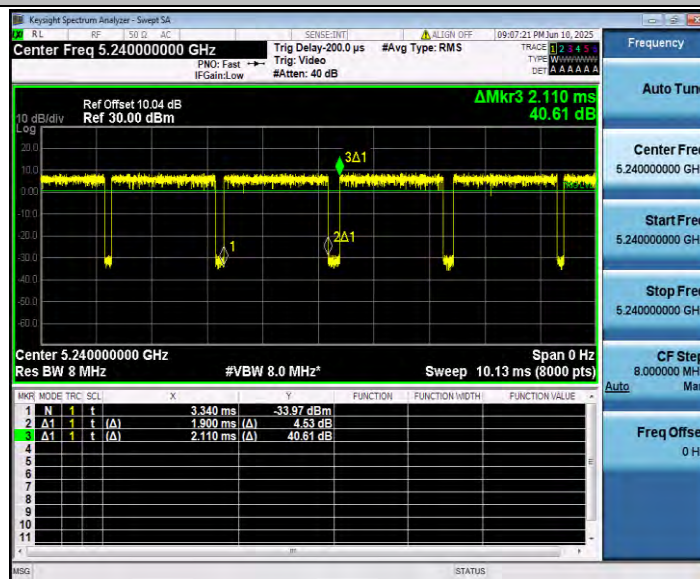
11N20SISO_Ant1_5180



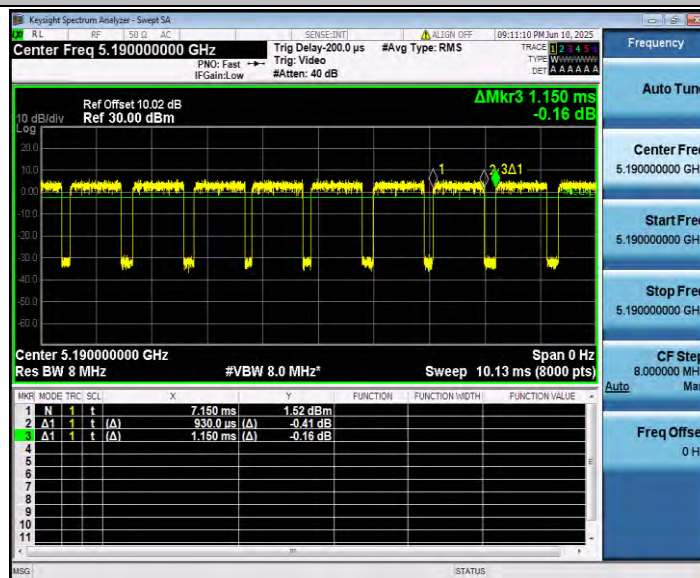
11N20SISO_Ant1_5200



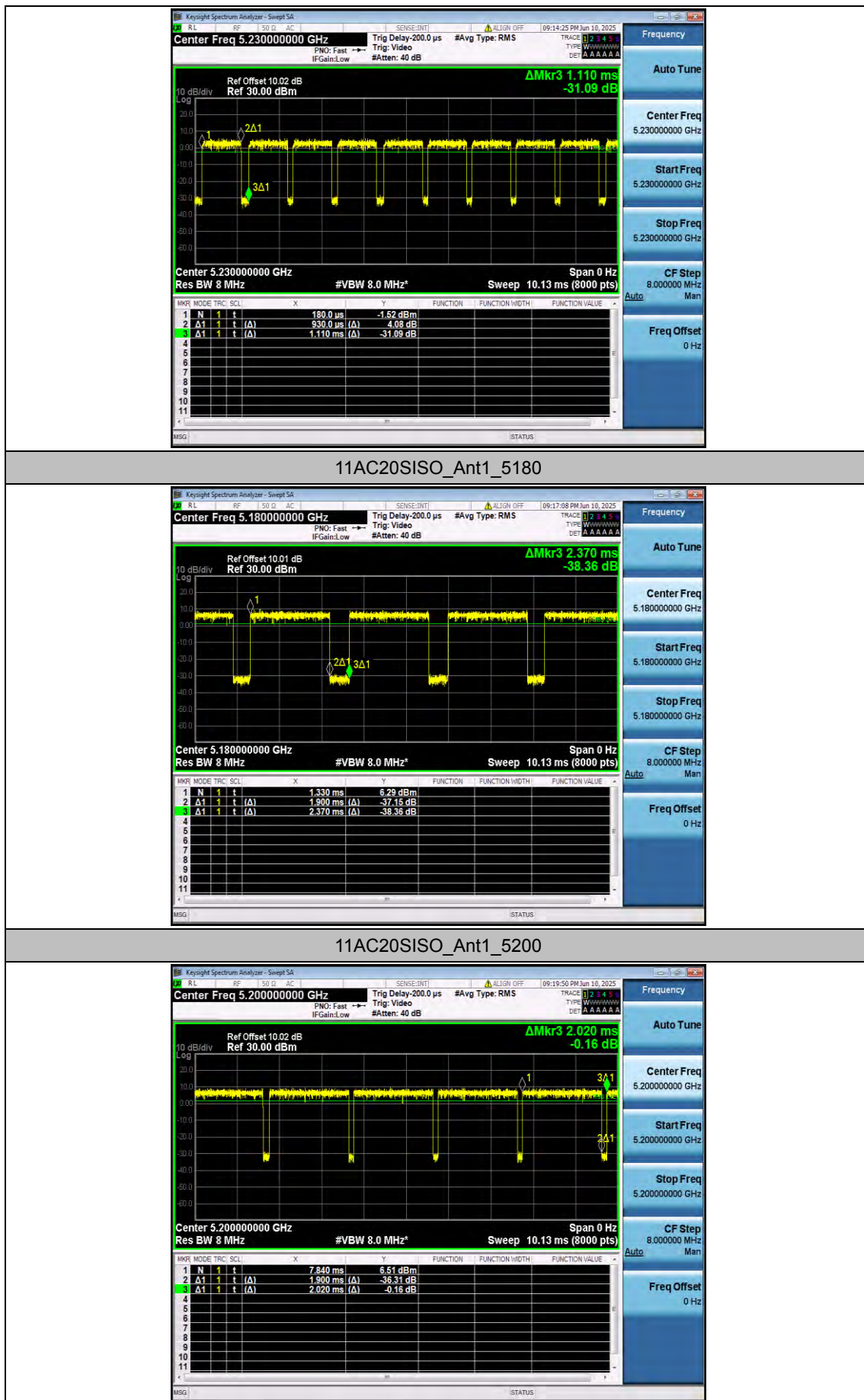
11N20SISO_Ant1_5240



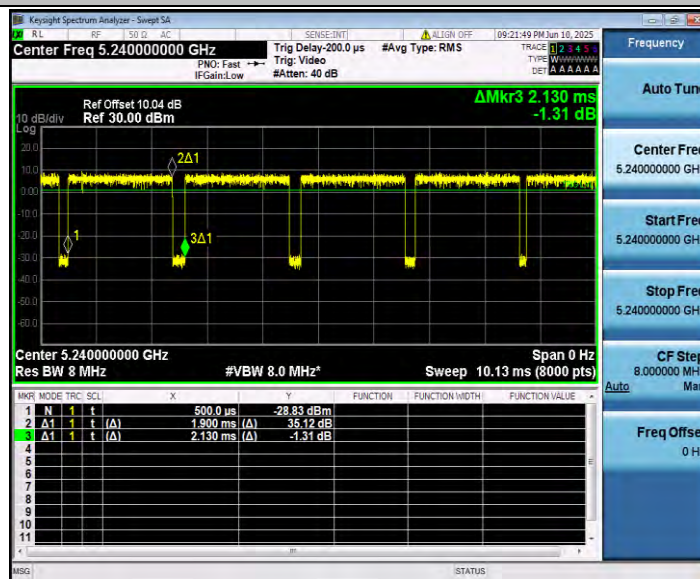
11N40SISO_Ant1_5190



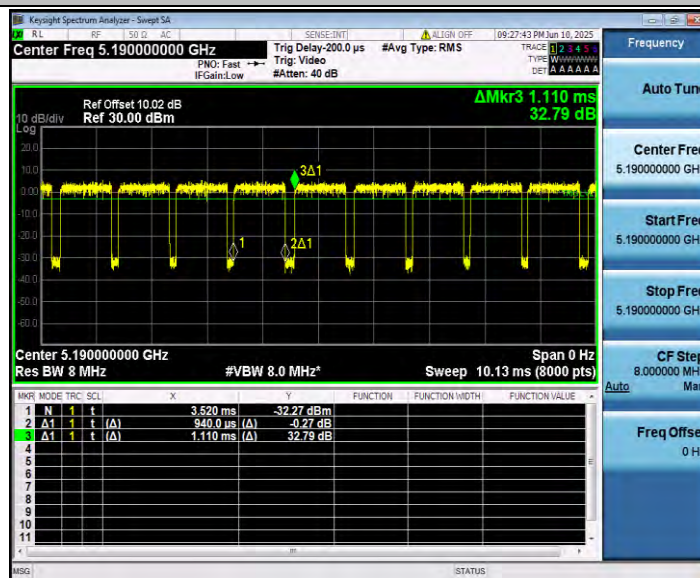
11N40SISO_Ant1_5230



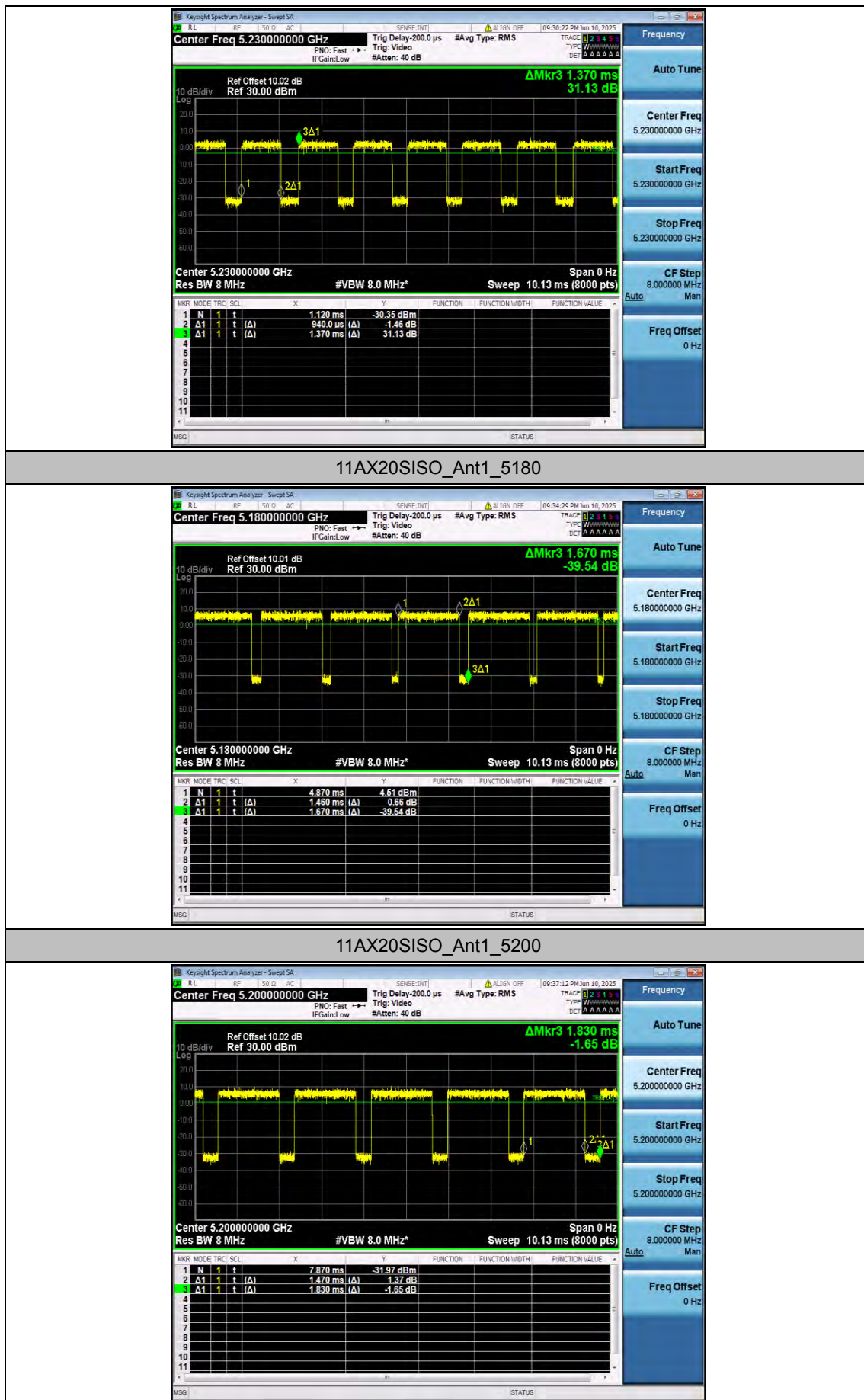
11AC20SISO_Ant1_5240

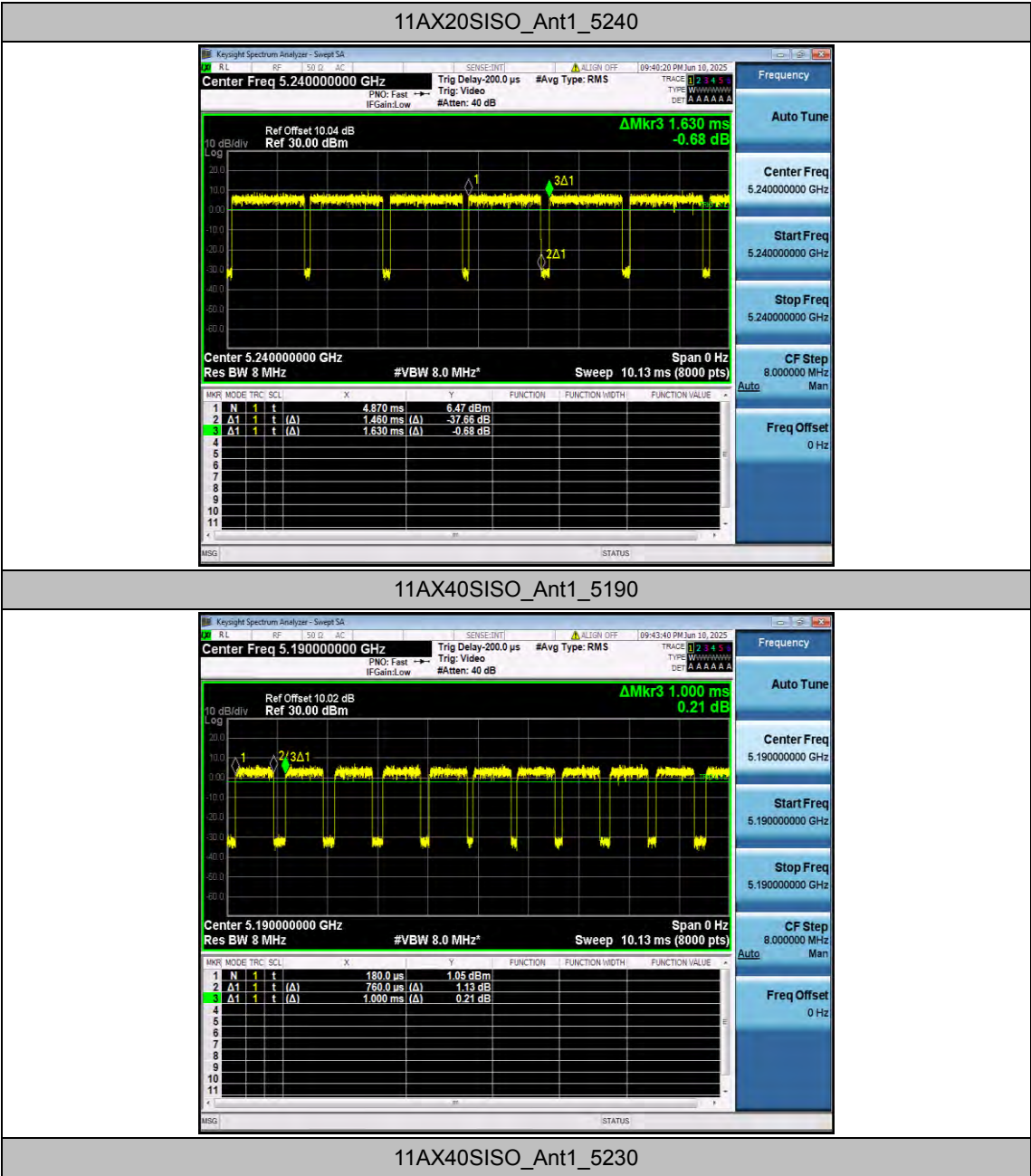


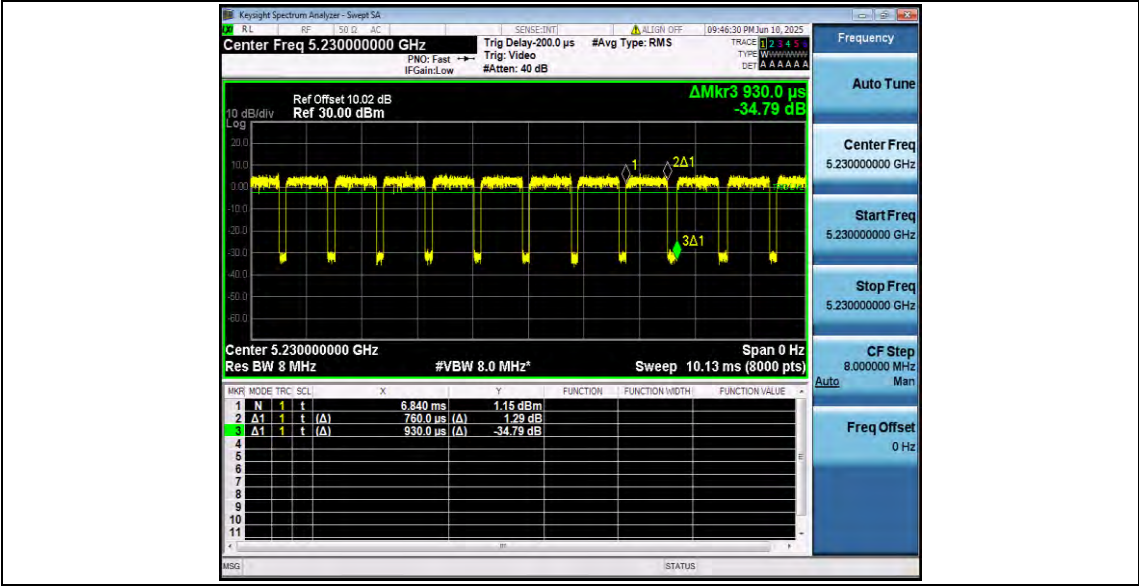
11AC40SISO_Ant1_5190



11AC40SISO_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	9.39	89.47	0.48	9.87	≤23.98	PASS
		5200	9.53	82.52	0.83	10.36	≤23.98	PASS
		5240	9.14	89.87	0.46	9.60	≤23.98	PASS
11N20SIS O	Ant1	5180	9.47	91.79	0.37	9.84	≤23.98	PASS
		5200	9.50	91.75	0.37	9.87	≤23.98	PASS
		5240	8.97	90.05	0.46	9.43	≤23.98	PASS
11N40SIS O	Ant1	5190	8.75	80.87	0.92	9.67	≤23.98	PASS
		5230	8.71	83.78	0.77	9.48	≤23.98	PASS
11AC20SIS O	Ant1	5180	9.43	80.17	0.96	10.39	≤23.98	PASS
		5200	9.55	94.06	0.27	9.82	≤23.98	PASS
		5240	8.99	89.20	0.50	9.49	≤23.98	PASS
11AC40SIS O	Ant1	5190	8.09	84.68	0.72	8.81	≤23.98	PASS
		5230	7.89	68.61	1.64	9.53	≤23.98	PASS
11AX20SIS O	Ant1	5180	8.97	87.43	0.58	9.55	≤23.98	PASS
		5200	9.15	80.33	0.95	10.10	≤23.98	PASS
		5240	8.85	89.57	0.48	9.33	≤23.98	PASS
11AX40SIS O	Ant1	5190	8.73	76.00	1.19	9.92	≤23.98	PASS
		5230	8.43	81.72	0.88	9.31	≤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	-1.31	≤11.00	PASS
		5200	-0.65	≤11.00	PASS
		5240	-1.38	≤11.00	PASS
11N20SISO	Ant1	5180	-1.51	≤11.00	PASS
		5200	-1.45	≤11.00	PASS
		5240	-1.84	≤11.00	PASS
11N40SISO	Ant1	5190	-4.46	≤11.00	PASS
		5230	-4.88	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.06	≤11.00	PASS
		5200	-1.45	≤11.00	PASS
		5240	-1.72	≤11.00	PASS
11AC40SISO	Ant1	5190	-5.41	≤11.00	PASS
		5230	-4.75	≤11.00	PASS
11AX20SISO	Ant1	5180	-1.76	≤11.00	PASS
		5200	-1.42	≤11.00	PASS
		5240	-2.29	≤11.00	PASS
11AX40SISO	Ant1	5190	-4.60	≤11.00	PASS
		5230	-5.31	≤11.00	PASS

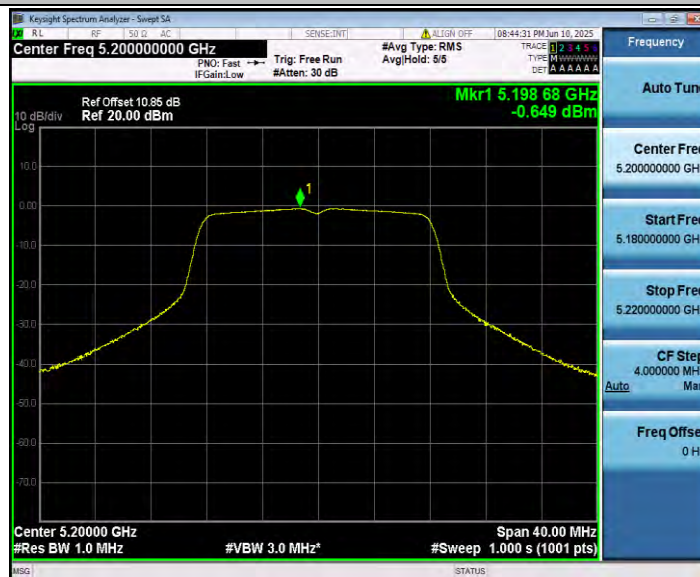
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



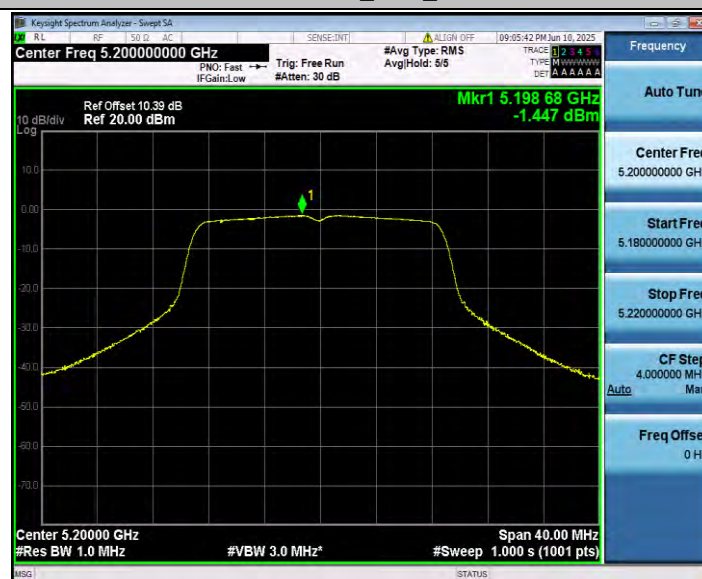
11A_Ant1_5240



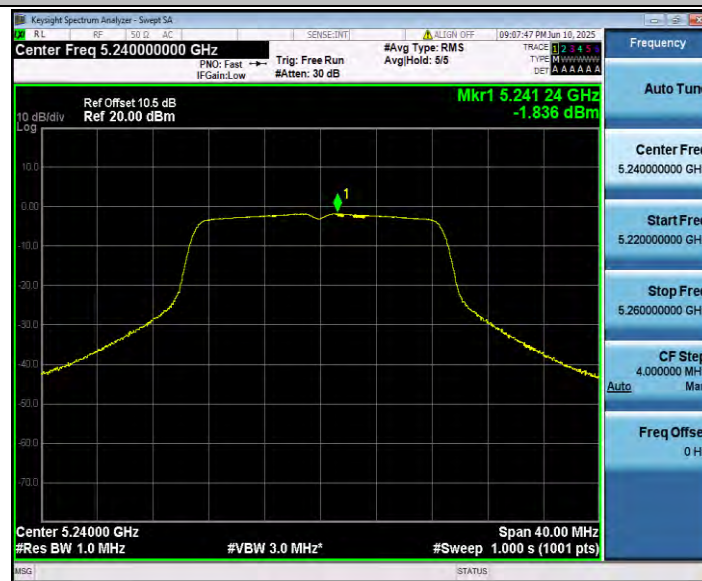
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



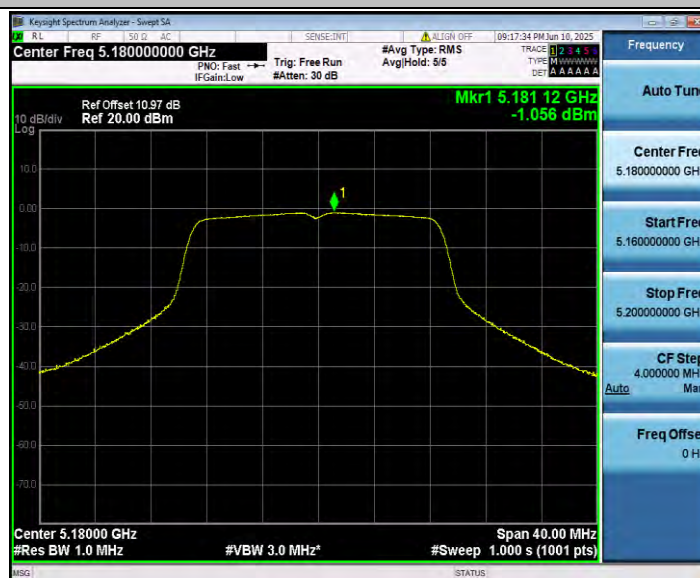
11N40SISO_Ant1_5190



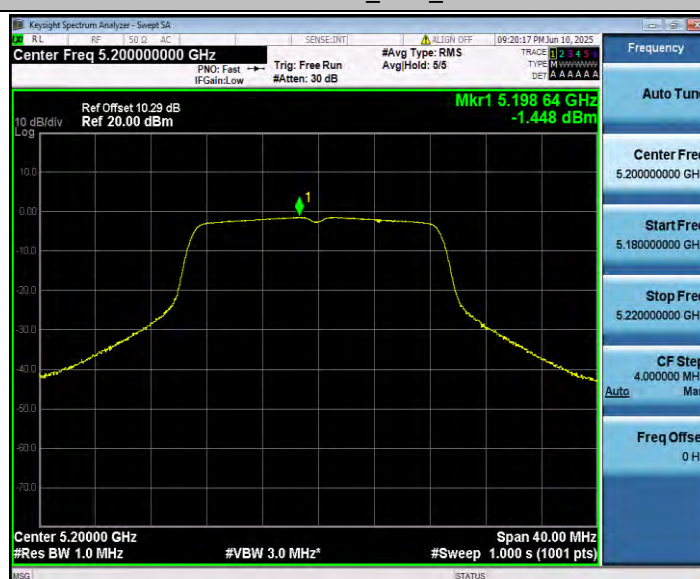
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



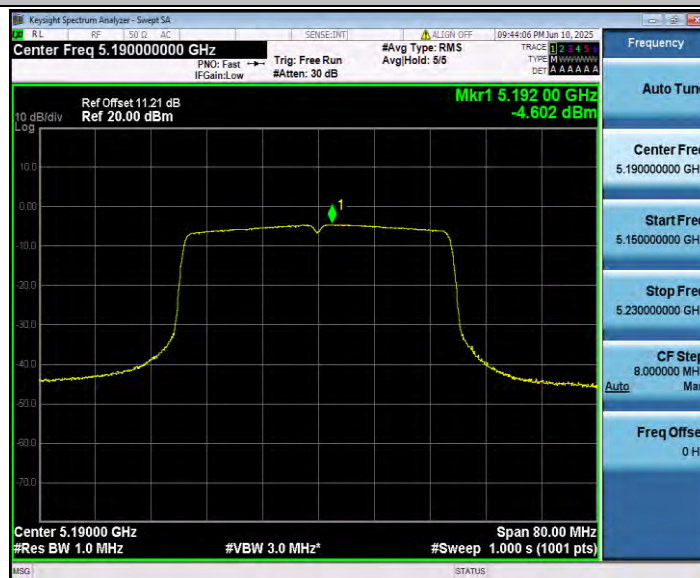
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

