

Case No. : <u>GTS20250310021-1-14</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.5.15</u>	Test Engineer: <u>Evan ouyang</u>

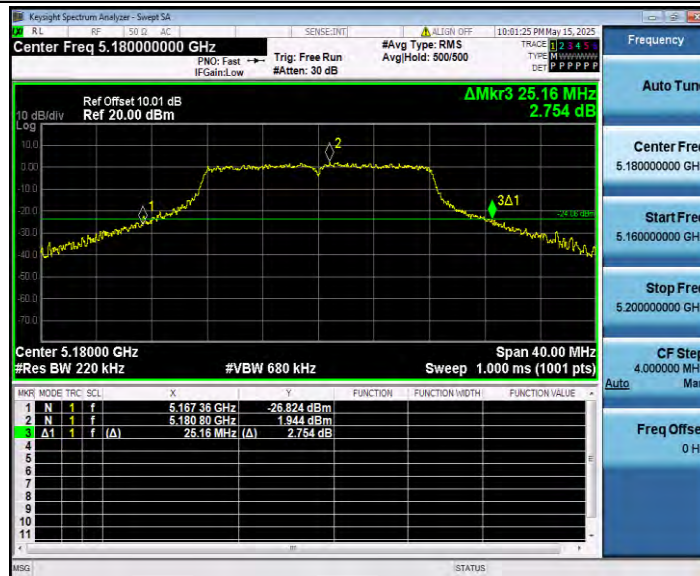
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.160	5167.360	5192.520	---	---
		5200	24.720	5187.320	5212.040	---	---
		5240	23.800	5228.040	5251.840	---	---
11N20SISO	Ant1	5180	25.040	5167.880	5192.920	---	---
		5200	25.520	5187.320	5212.840	---	---
		5240	25.440	5227.080	5252.520	---	---
11N40SISO	Ant1	5190	45.600	5167.600	5213.200	---	---
		5230	45.120	5207.440	5252.560	---	---
11AC20SISO	Ant1	5180	26.000	5167.400	5193.400	---	---
		5200	26.040	5186.760	5212.800	---	---
		5240	25.800	5226.960	5252.760	---	---
11AC40SISO	Ant1	5190	45.200	5167.600	5212.800	---	---
		5230	46.400	5206.640	5253.040	---	---
11AC80SISO	Ant1	5210	85.440	5167.600	5253.040	---	---
11AX20SISO	Ant1	5180	26.440	5166.840	5193.280	---	---
		5200	24.840	5187.680	5212.520	---	---
		5240	25.120	5227.320	5252.440	---	---
11AX40SISO	Ant1	5190	45.520	5168.000	5213.520	---	---
		5230	44.400	5208.000	5252.400	---	---
11AX80SISO	Ant1	5210	84.800	5167.920	5252.720	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



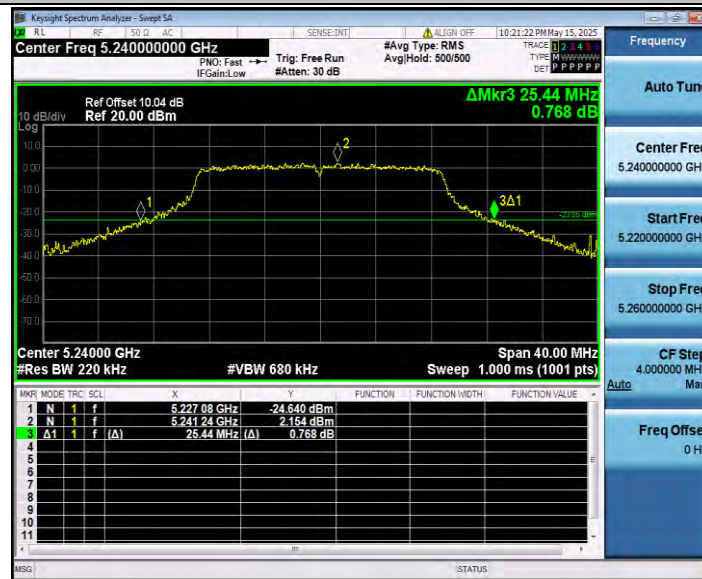
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



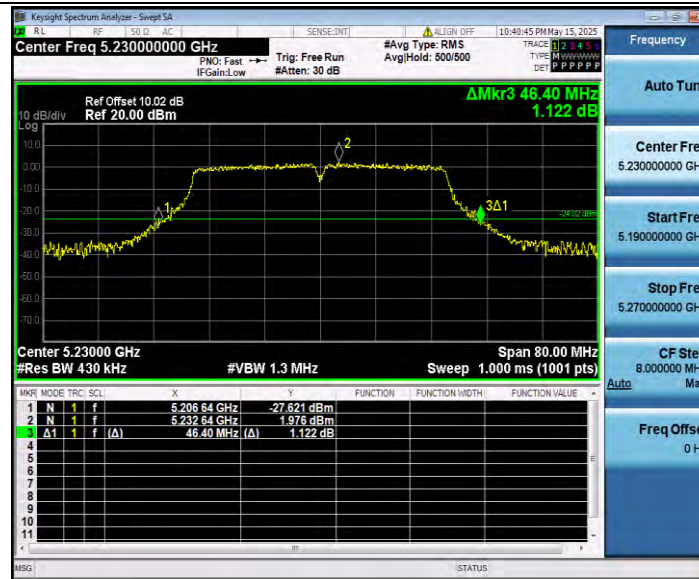
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



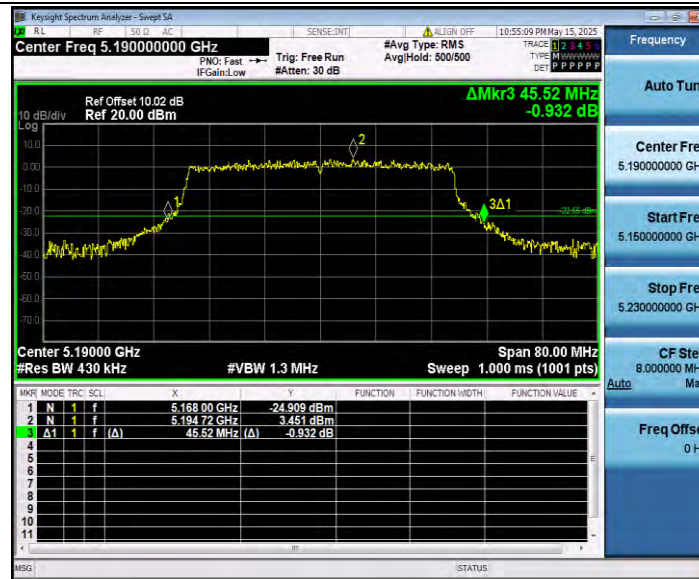
11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180







11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



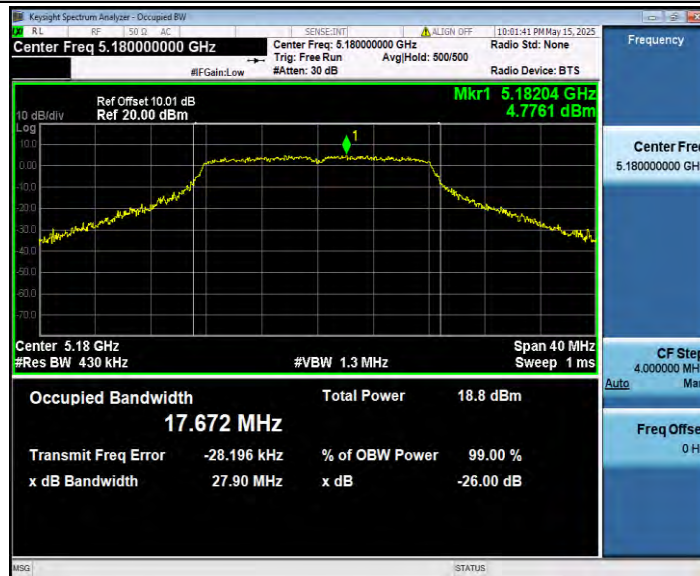
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.672	5171.1358	5188.8078	---	---
		5200	17.698	5191.1063	5208.8043	---	---
		5240	17.693	5231.0816	5248.7746	---	---
11N20SISO	Ant1	5180	18.772	5170.6452	5189.4172	---	---
		5200	18.732	5190.6373	5209.3693	---	---
		5240	18.703	5230.6343	5249.3373	---	---
11N40SISO	Ant1	5190	37.214	5171.4747	5208.6887	---	---
		5230	37.253	5211.3903	5248.6433	---	---
11AC20SISO	Ant1	5180	18.646	5170.7260	5189.3720	---	---
		5200	18.752	5190.6322	5209.3842	---	---
		5240	18.693	5230.6548	5249.3478	---	---
11AC40SISO	Ant1	5190	37.185	5171.4720	5208.6570	---	---
		5230	37.278	5211.3927	5248.6707	---	---
11AC80SISO	Ant1	5210	76.226	5172.1339	5248.3599	---	---
11AX20SISO	Ant1	5180	19.451	5170.3036	5189.7546	---	---
		5200	19.521	5190.3000	5209.8210	---	---
		5240	19.403	5230.2865	5249.6895	---	---
11AX40SISO	Ant1	5190	38.211	5170.9880	5209.1990	---	---
		5230	38.306	5210.8215	5249.1275	---	---
11AX80SISO	Ant1	5210	77.659	5171.3927	5249.0517	---	---

Test Graphs

11A_Ant1_5180



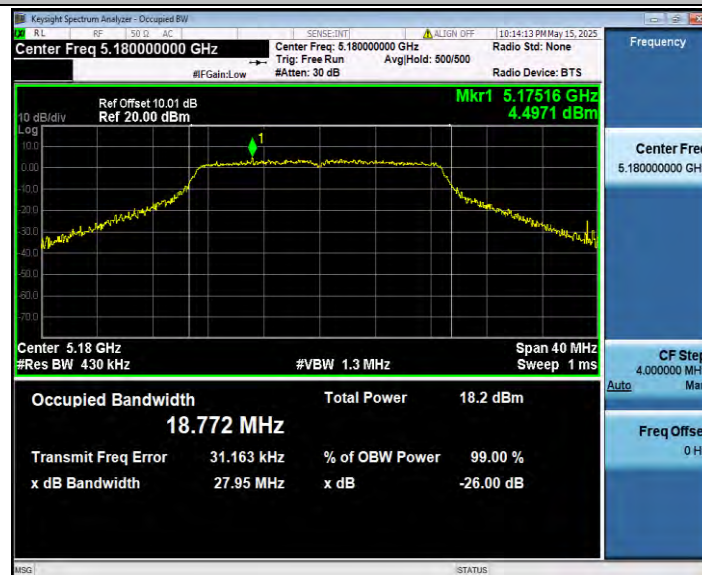
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



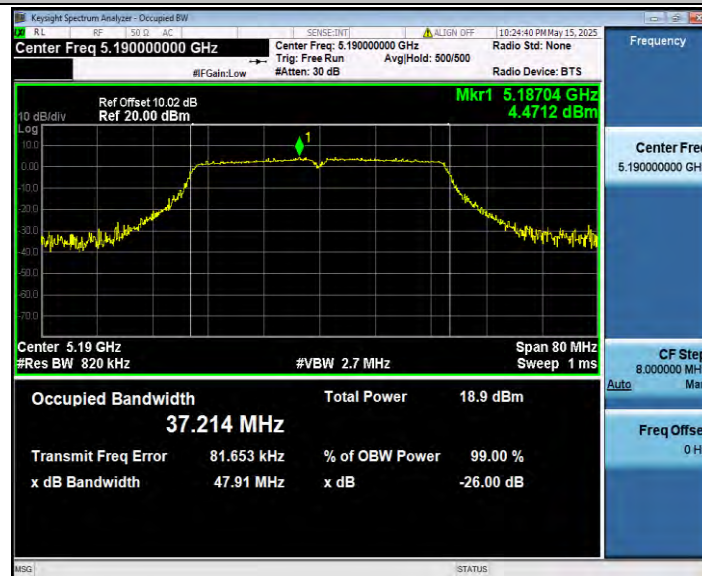
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



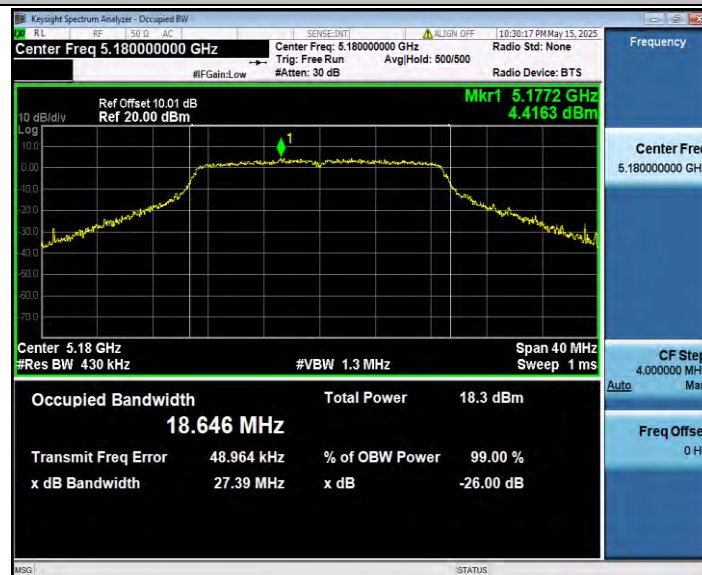
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



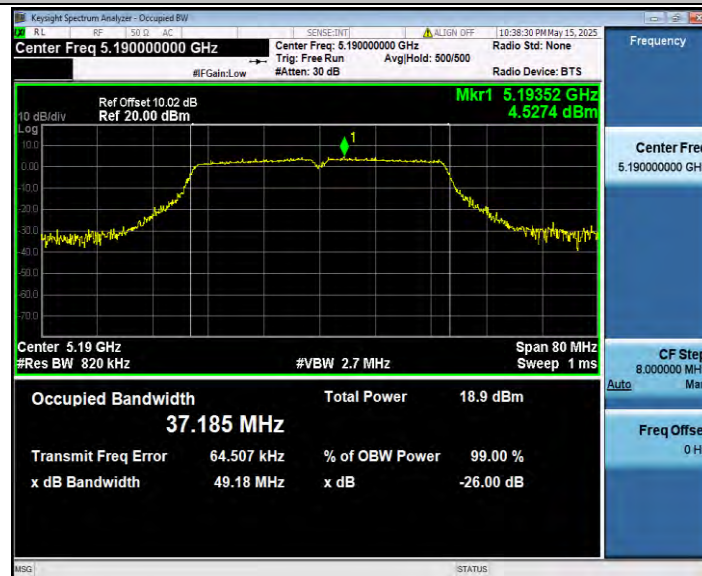
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



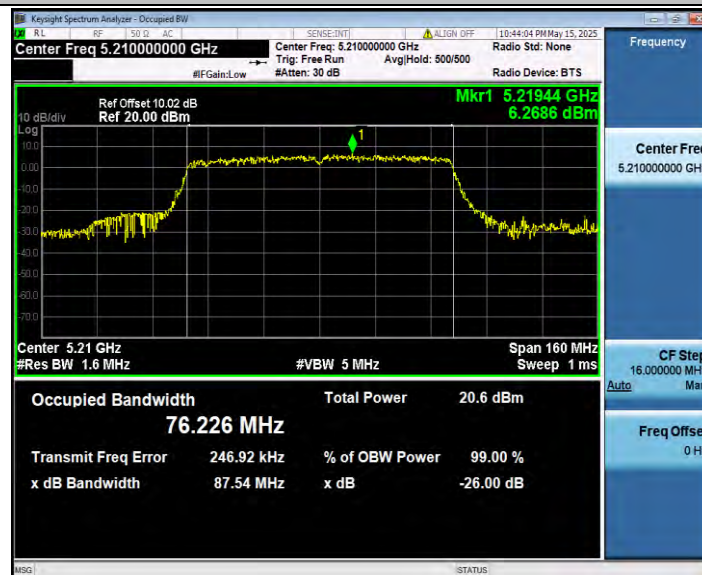
11AC40SISO_Ant1_5190



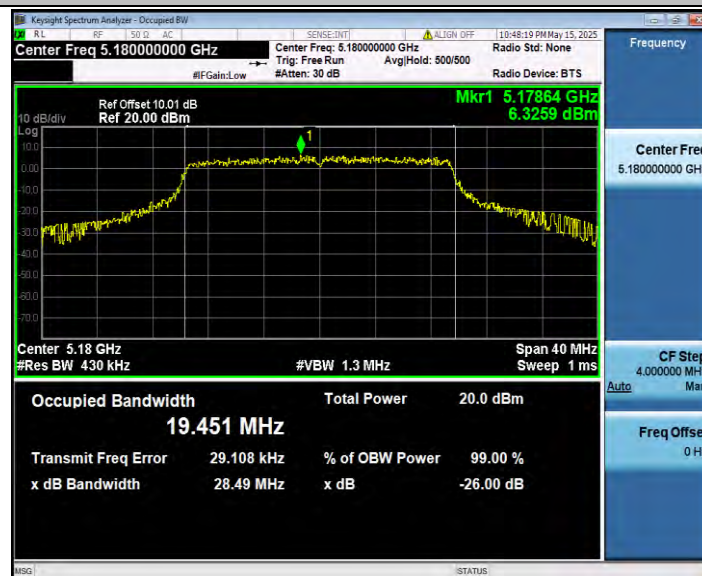
11AC40SISO_Ant1_5230



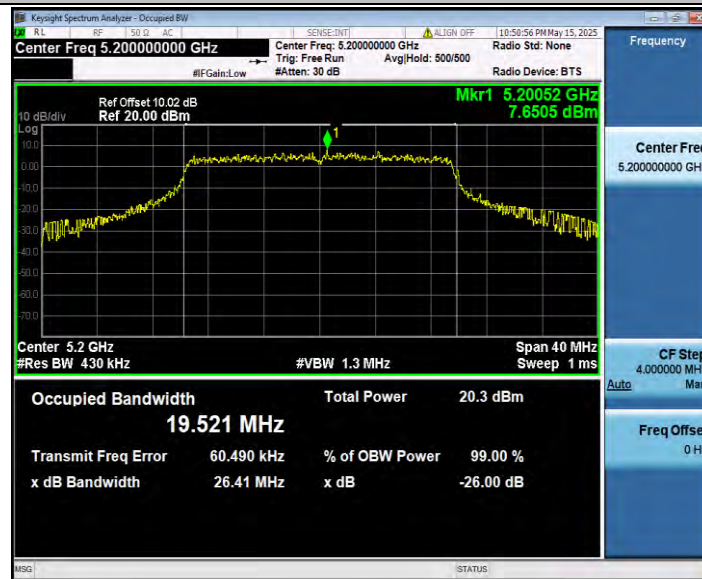
11AC80SISO_Ant1_5210



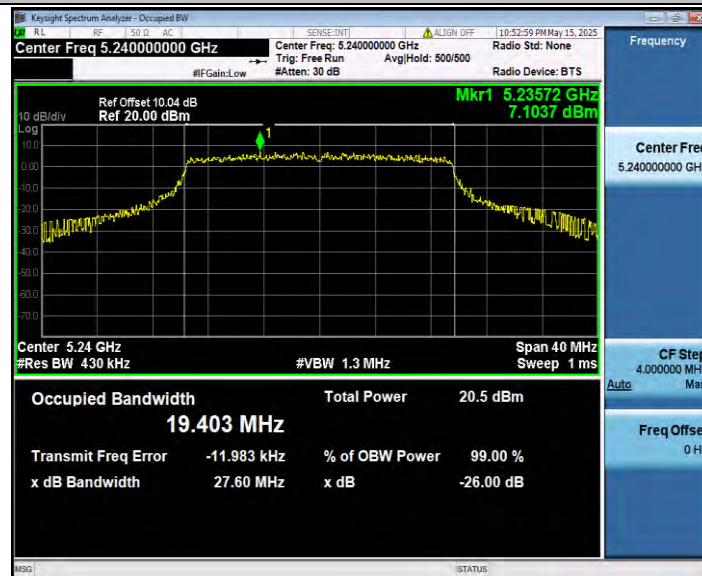
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



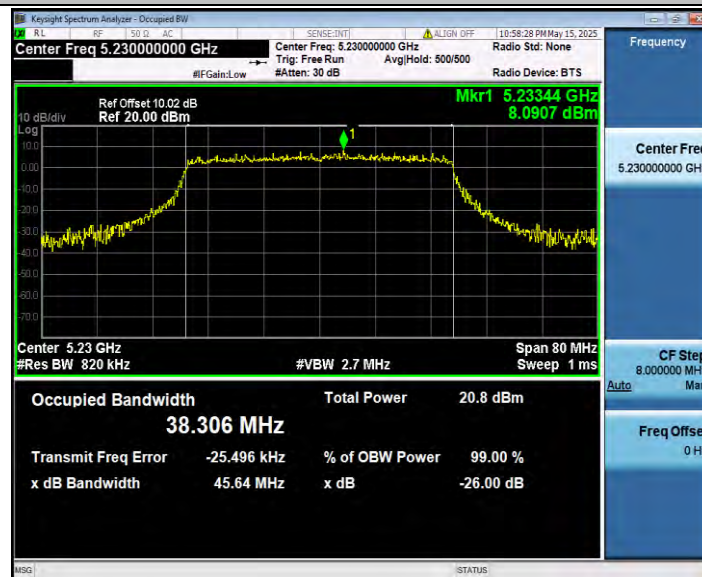
11AX20SISO_Ant1_5240



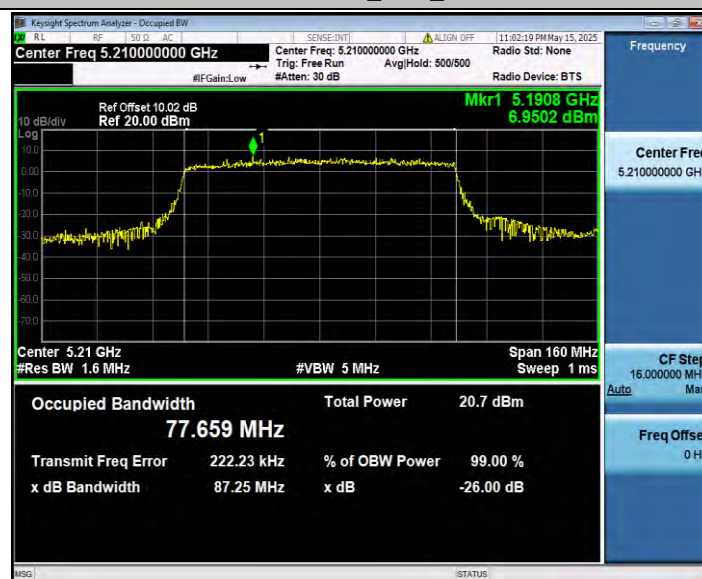
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

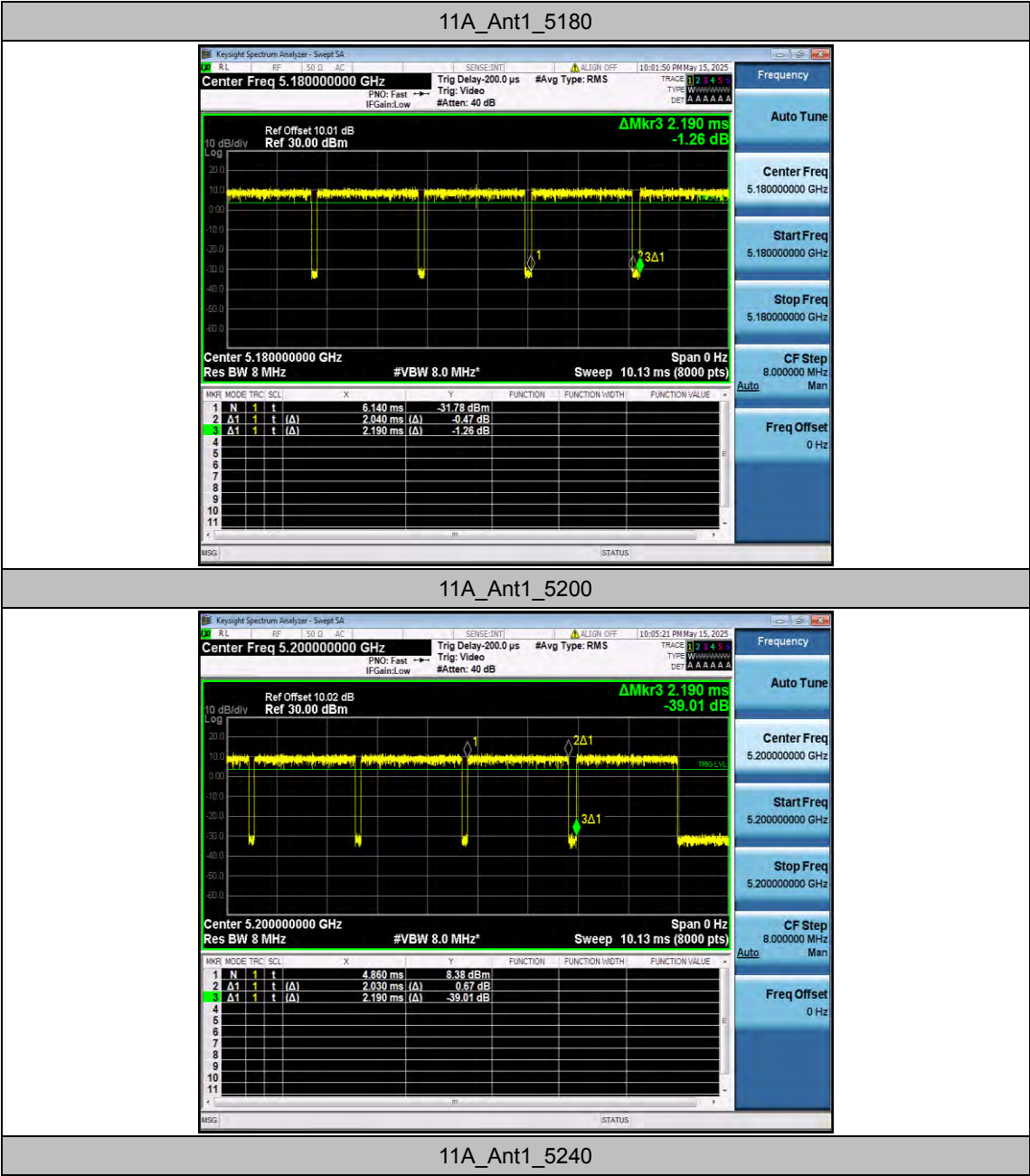


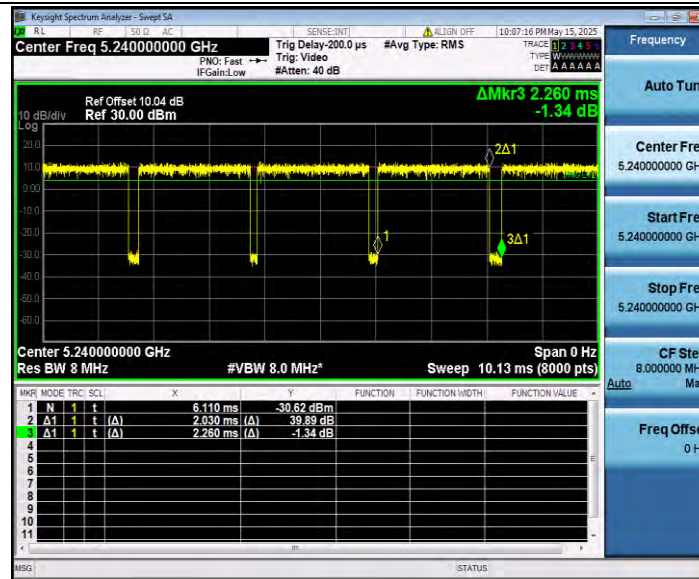
Appendix D.3: Duty Cycle

Test Result

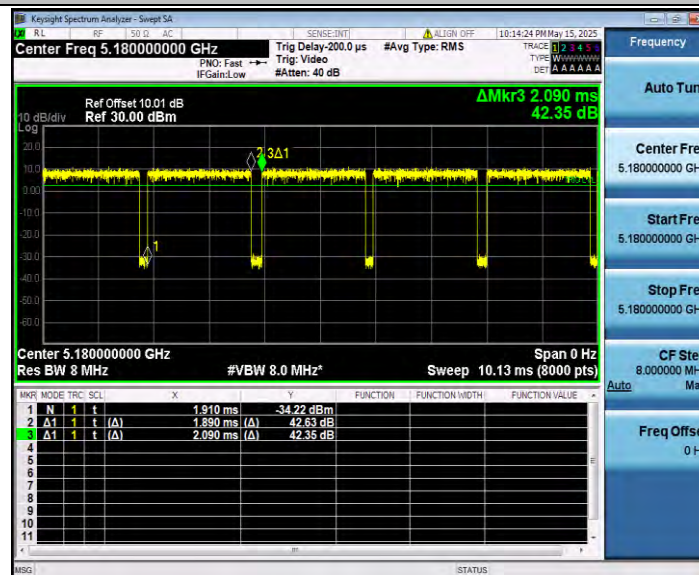
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.04	2.19	93.15	0.31	0.49
		5200	2.03	2.19	92.69	0.33	0.49
		5240	2.03	2.26	89.82	0.47	0.49
11N20SISO	Ant1	5180	1.89	2.09	90.43	0.44	0.53
		5200	1.89	2.13	88.73	0.52	0.53
		5240	1.89	2.14	88.32	0.54	0.53
11N40SISO	Ant1	5190	0.93	1.16	80.17	0.96	1.08
		5230	0.93	1.29	72.09	1.42	1.08
11AC20SISO	Ant1	5180	1.90	2.13	89.20	0.50	0.53
		5200	1.90	2.05	92.68	0.33	0.53
		5240	1.90	2.12	89.62	0.48	0.53
11AC40SISO	Ant1	5190	0.93	1.22	76.23	1.18	1.08
		5230	0.94	1.52	61.84	2.09	1.06
11AC80SISO	Ant1	5210	0.46	0.81	56.79	2.46	2.17
11AX20SISO	Ant1	5180	1.46	1.67	87.43	0.58	0.68
		5200	1.46	1.64	89.02	0.51	0.68
		5240	1.46	1.67	87.43	0.58	0.68
11AX40SISO	Ant1	5190	0.77	0.94	81.91	0.87	1.30
		5230	0.77	1.24	62.10	2.07	1.30
11AX80SISO	Ant1	5210	0.39	0.86	45.35	3.43	2.56

Test Graphs

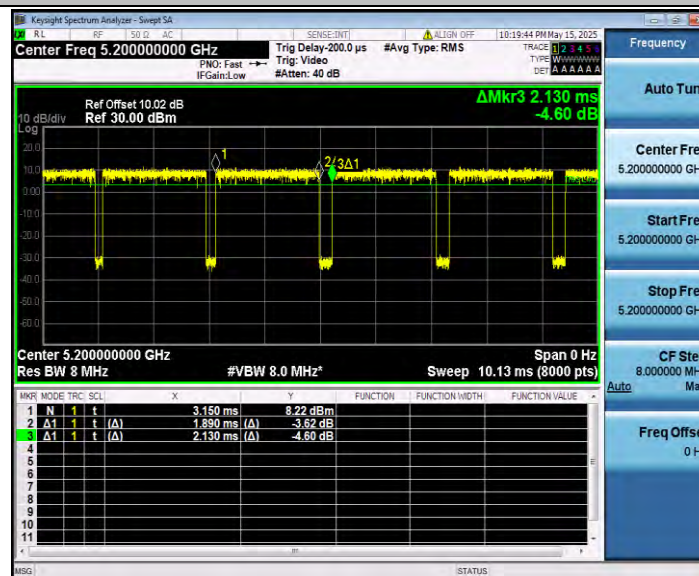




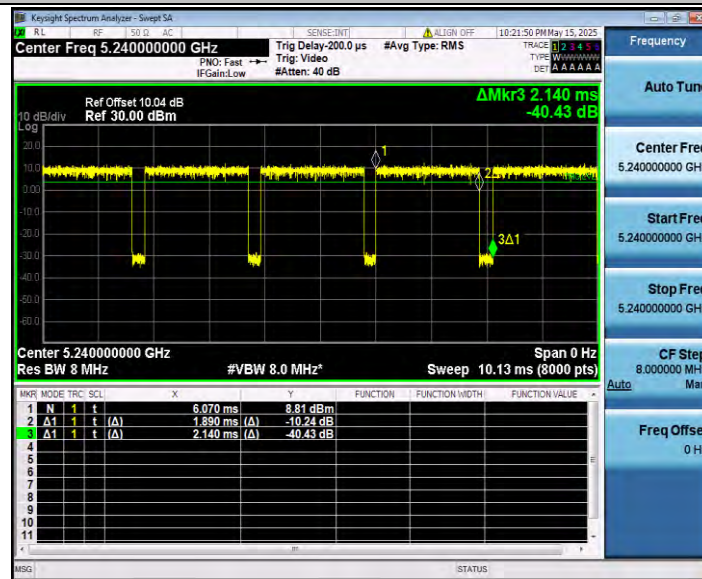
11N20SISO_Ant1_5180



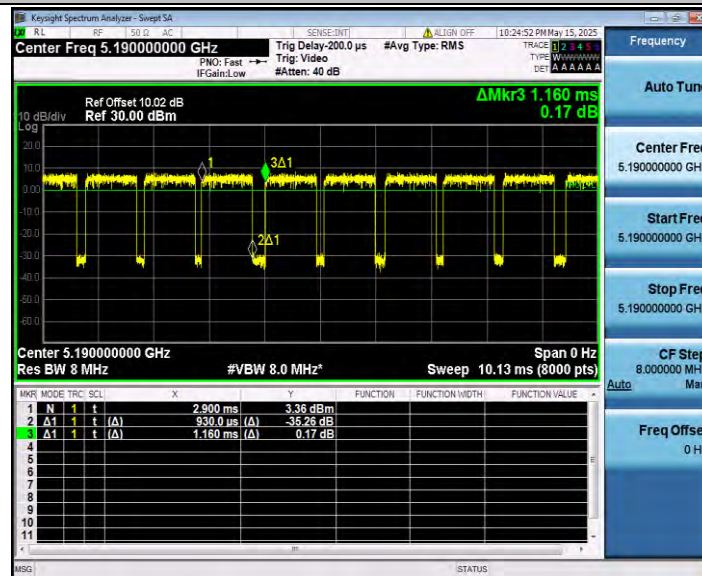
11N20SISO_Ant1_5200



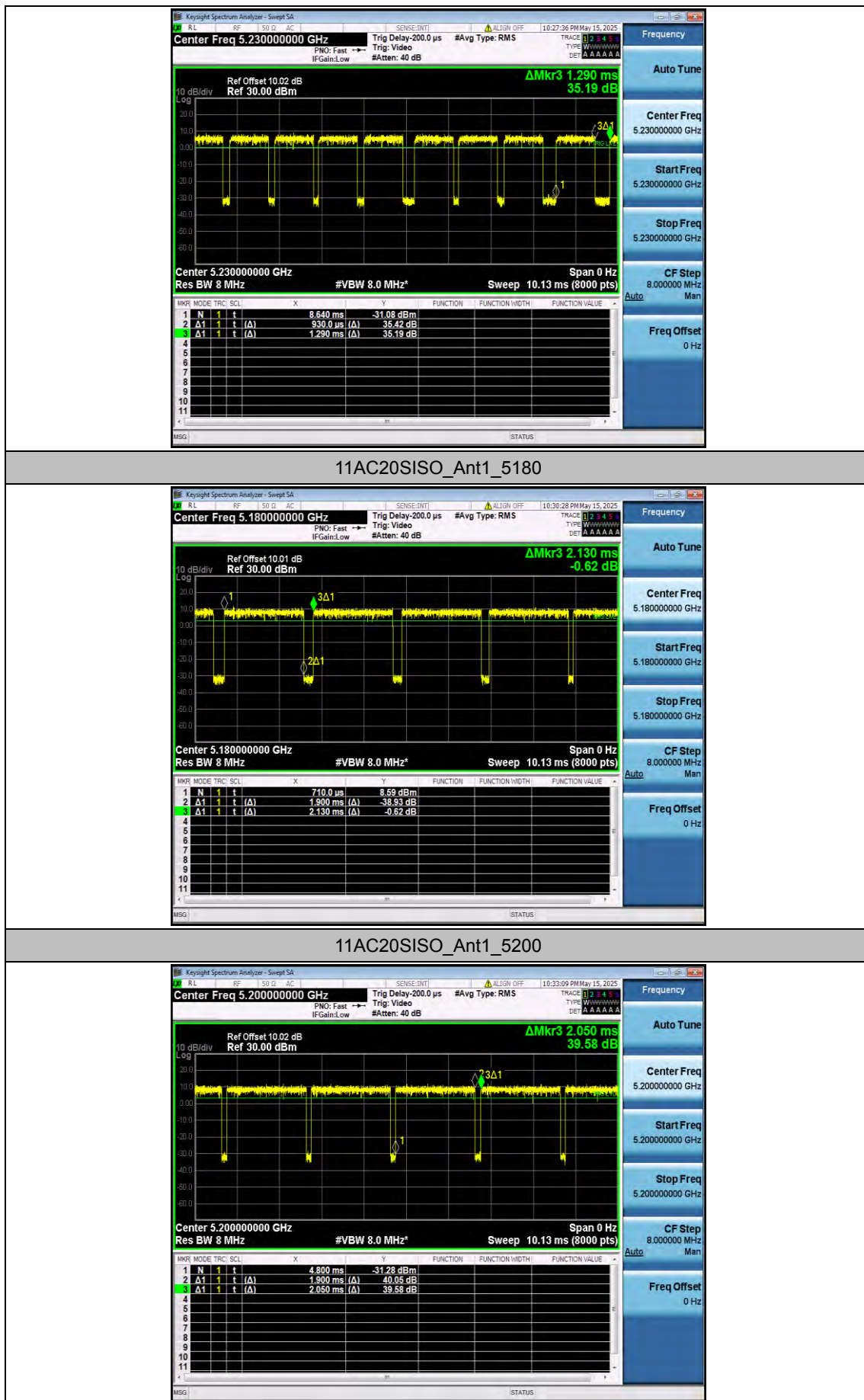
11N20SISO_Ant1_5240

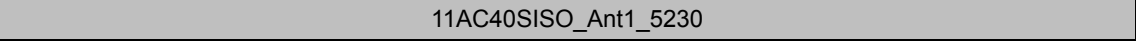
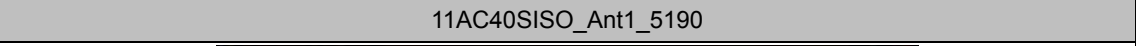


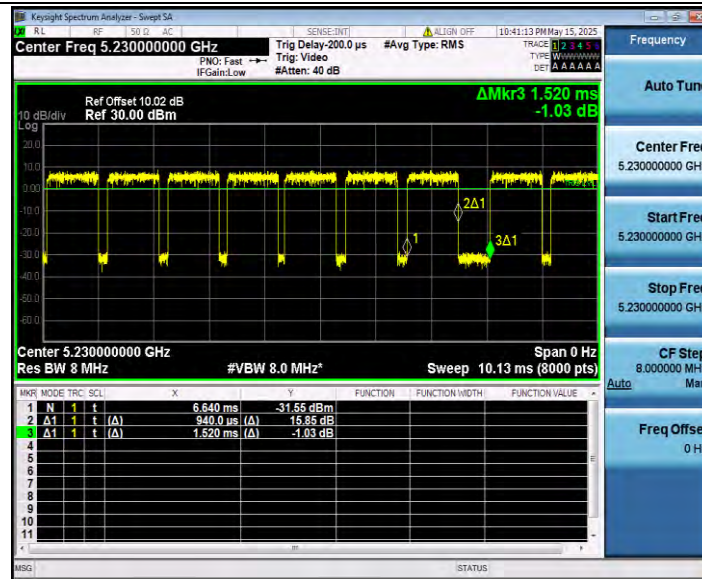
11N40SISO_Ant1_5190



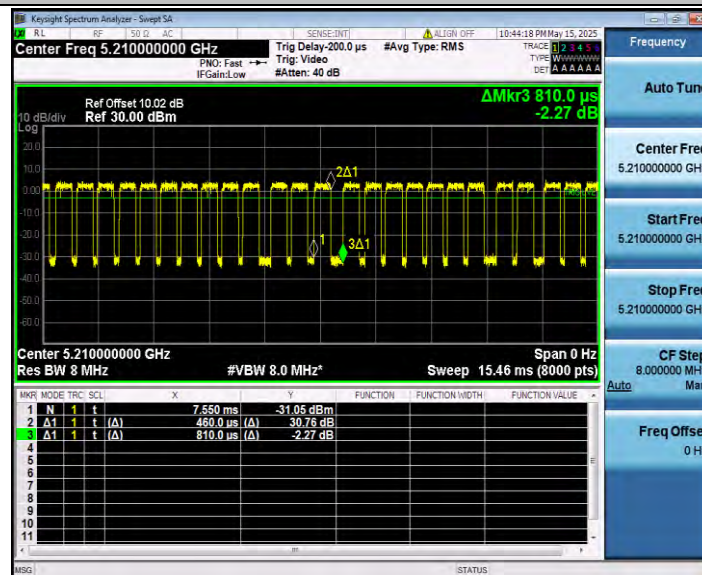
11N40SISO_Ant1_5230



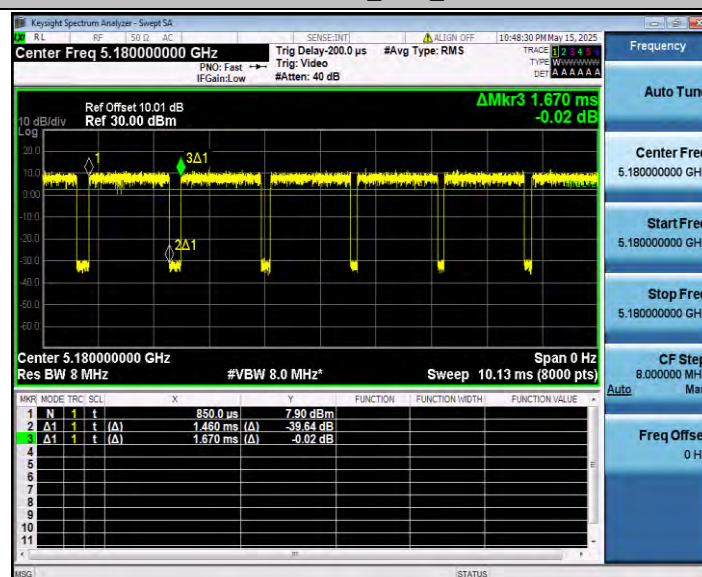


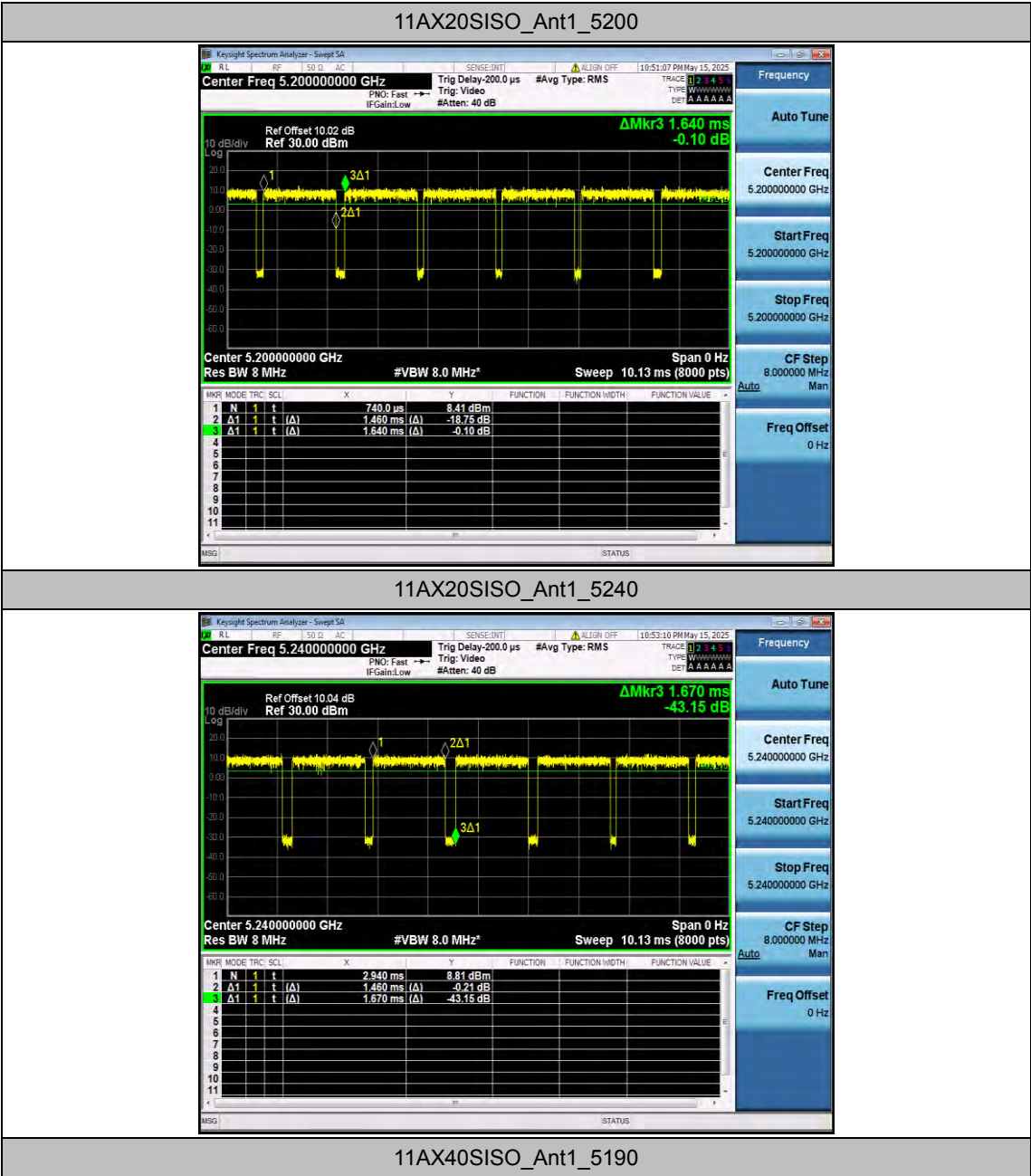


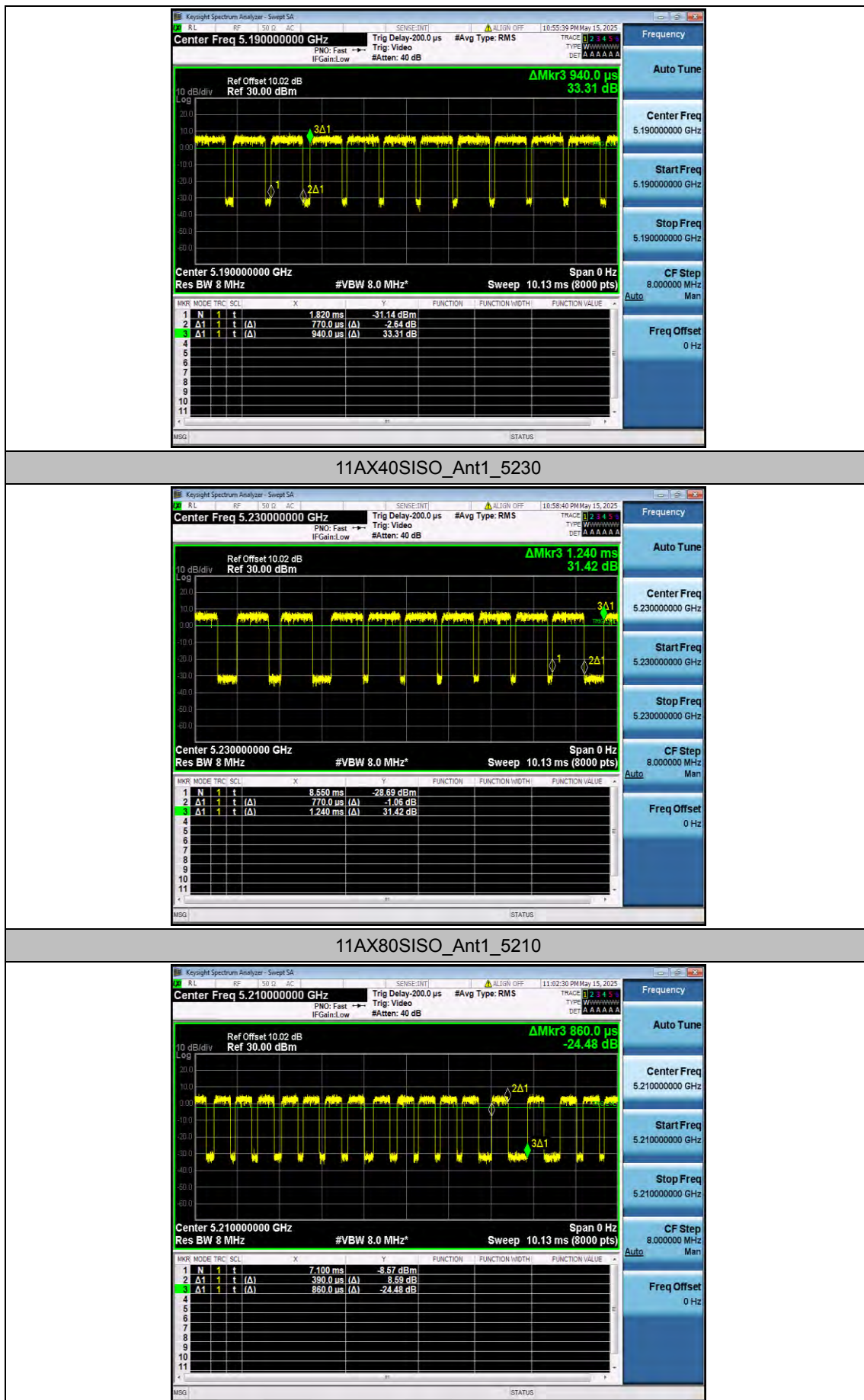
11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180







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	11.54	93.15	0.31	11.85	≤23.98	PASS
		5200	11.70	92.69	0.33	12.03	≤23.98	PASS
		5240	11.93	89.82	0.47	12.40	≤23.98	PASS
11N20SISO	Ant1	5180	10.95	90.43	0.44	11.39	≤23.98	PASS
		5200	11.30	88.73	0.52	11.82	≤23.98	PASS
		5240	11.90	88.32	0.54	12.44	≤23.98	PASS
11N40SISO	Ant1	5190	10.87	80.17	0.96	11.83	≤23.98	PASS
		5230	11.18	72.09	1.42	12.60	≤23.98	PASS
11AC20SISO	Ant1	5180	10.96	89.20	0.50	11.46	≤23.98	PASS
		5200	11.54	92.68	0.33	11.87	≤23.98	PASS
		5240	11.87	89.62	0.48	12.35	≤23.98	PASS
11AC40SISO	Ant1	5190	10.73	76.23	1.18	11.91	≤23.98	PASS
		5230	11.15	61.84	2.09	13.24	≤23.98	PASS
11AC80SISO	Ant1	5210	10.57	56.79	2.46	13.03	≤23.98	PASS
11AX20SISO	Ant1	5180	11.12	87.43	0.58	11.70	≤23.98	PASS
		5200	11.51	89.02	0.51	12.02	≤23.98	PASS
		5240	11.80	87.43	0.58	12.38	≤23.98	PASS
11AX40SISO	Ant1	5190	10.85	81.91	0.87	11.72	≤23.98	PASS
		5230	11.01	62.10	2.07	13.08	≤23.98	PASS
11AX80SISO	Ant1	5210	9.76	45.35	3.43	13.19	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

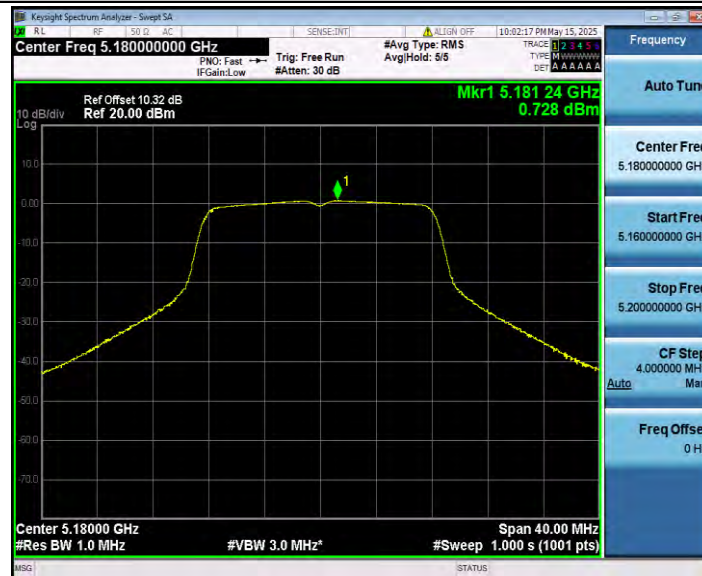
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.73	≤11.00	PASS
		5200	0.95	≤11.00	PASS
		5240	1.57	≤11.00	PASS
11N20SISO	Ant1	5180	0.18	≤11.00	PASS
		5200	0.67	≤11.00	PASS
		5240	1.21	≤11.00	PASS
11N40SISO	Ant1	5190	-2.12	≤11.00	PASS
		5230	-1.41	≤11.00	PASS
11AC20SISO	Ant1	5180	0.34	≤11.00	PASS
		5200	0.48	≤11.00	PASS
		5240	1.11	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.98	≤11.00	PASS
		5230	-0.55	≤11.00	PASS
11AC80SISO	Ant1	5210	-3.71	≤11.00	PASS
11AX20SISO	Ant1	5180	0.14	≤11.00	PASS
		5200	0.43	≤11.00	PASS
		5240	0.91	≤11.00	PASS
11AX40SISO	Ant1	5190	-2.77	≤11.00	PASS
		5230	-1.03	≤11.00	PASS
11AX80SISO	Ant1	5210	-3.39	≤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



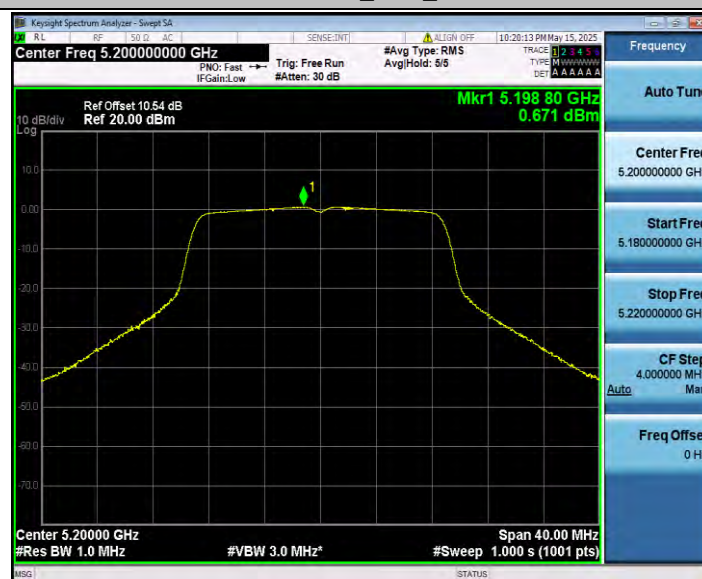
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



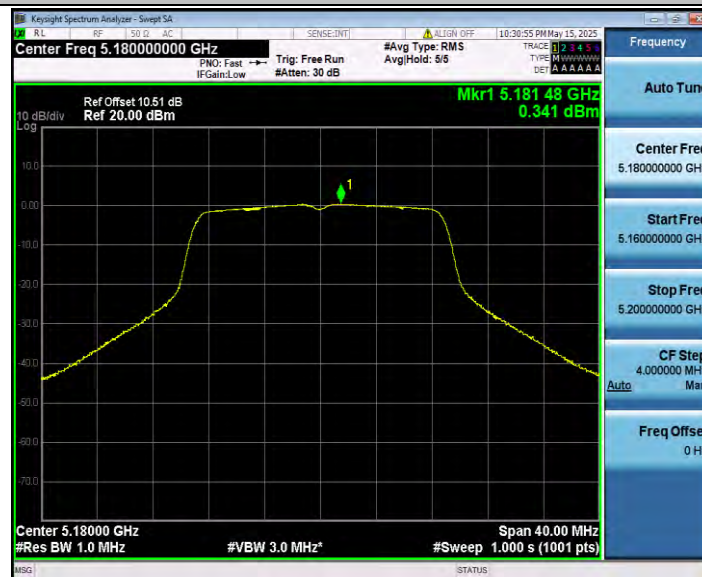
11N40SISO_Ant1_5190



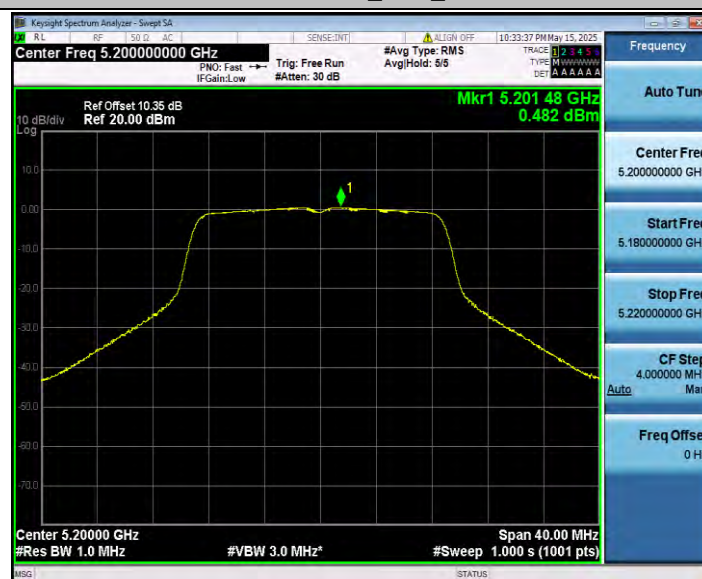
11N40SISO_Ant1_5230



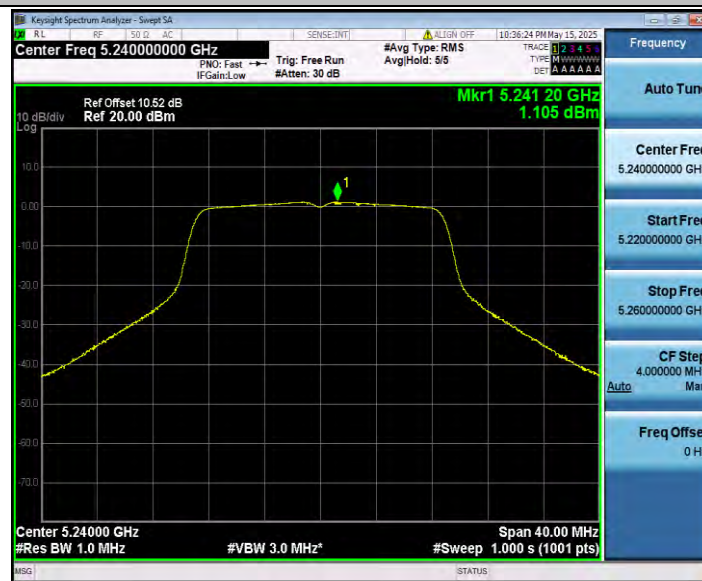
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



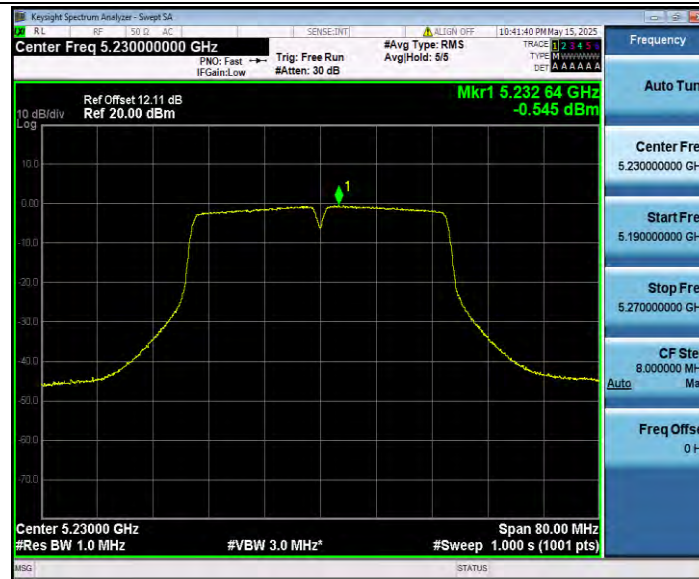
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



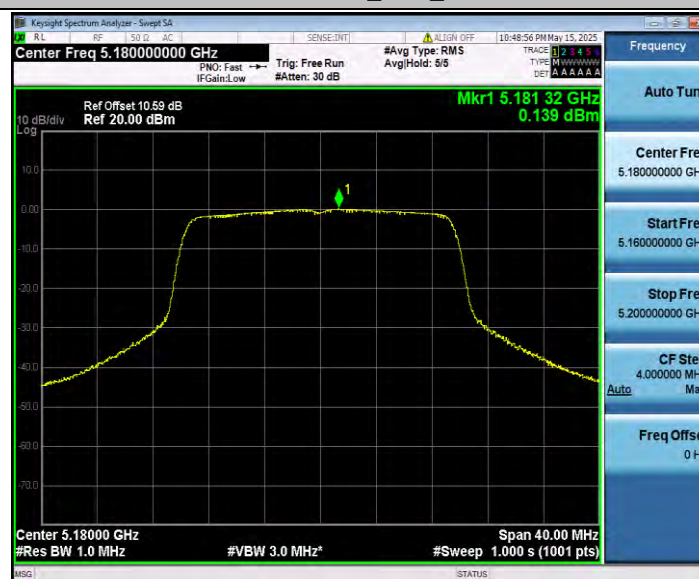
11AC40SISO_Ant1_5230



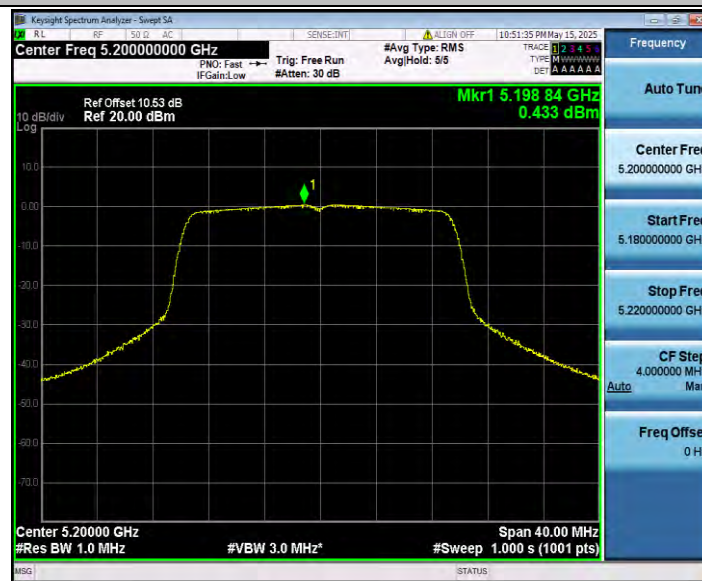
11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



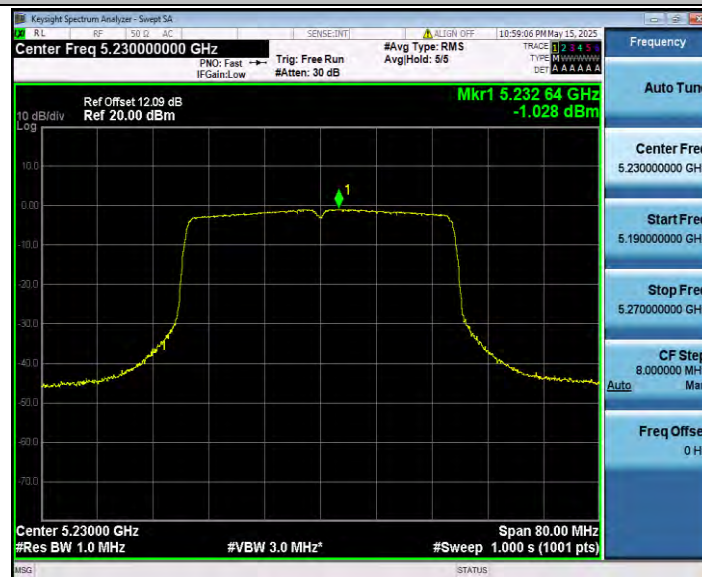
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

