

Case No. : <u>GTS20250219002-1-06</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.13</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	5167.360	5192.000	---	---
		5200	24.400	5187.720	5212.120	---	---
		5240	24.840	5227.360	5252.200	---	---
11N20SISO	Ant1	5180	26.360	5166.680	5193.040	---	---
		5200	25.080	5187.520	5212.600	---	---
		5240	25.280	5227.240	5252.520	---	---
11N40SISO	Ant1	5190	45.040	5168.000	5213.040	---	---
		5230	45.440	5207.520	5252.960	---	---
11AC20SISO	Ant1	5180	25.480	5167.520	5193.000	---	---
		5200	25.720	5187.200	5212.920	---	---
		5240	24.640	5227.840	5252.480	---	---
11AC40SISO	Ant1	5190	46.240	5167.280	5213.520	---	---
		5230	46.400	5206.880	5253.280	---	---
11AC80SISO	Ant1	5210	86.720	5167.120	5253.840	---	---
11AX20SISO	Ant1	5180	24.640	5167.840	5192.480	---	---
		5200	25.000	5187.720	5212.720	---	---
		5240	25.400	5227.560	5252.960	---	---
11AX40SISO	Ant1	5190	44.400	5168.400	5212.800	---	---
		5230	45.840	5207.200	5253.040	---	---
11AX80SISO	Ant1	5210	85.760	5167.120	5252.880	---	---

Test Graphs



11A_Ant1_5200

11A_Ant1_5240



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



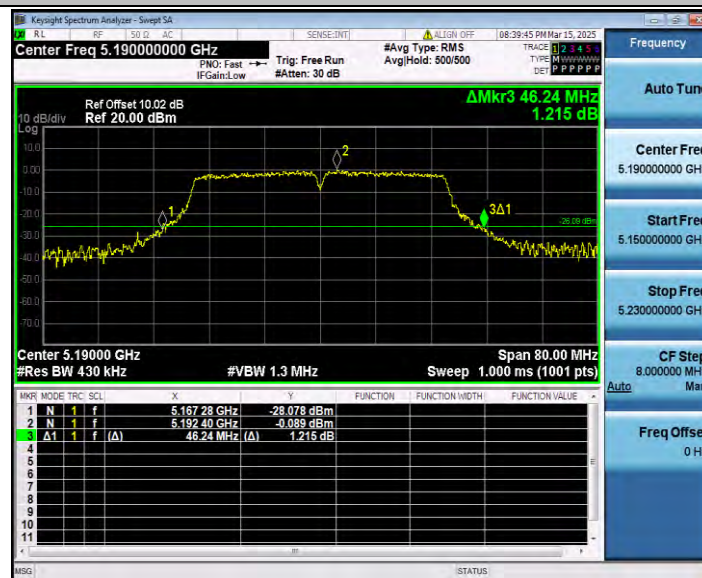
11AC20SISO_Ant1_5200



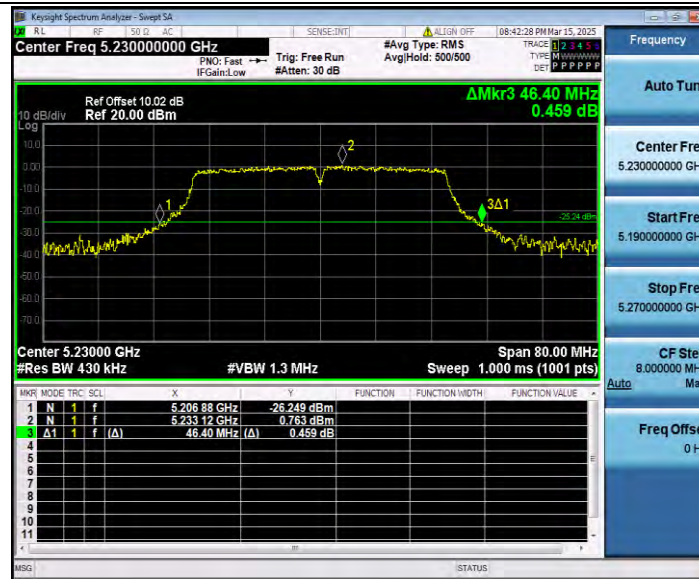
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



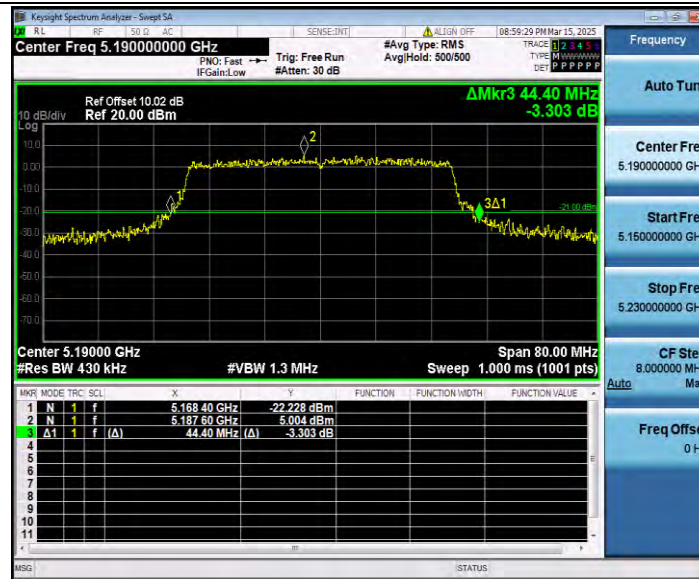
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

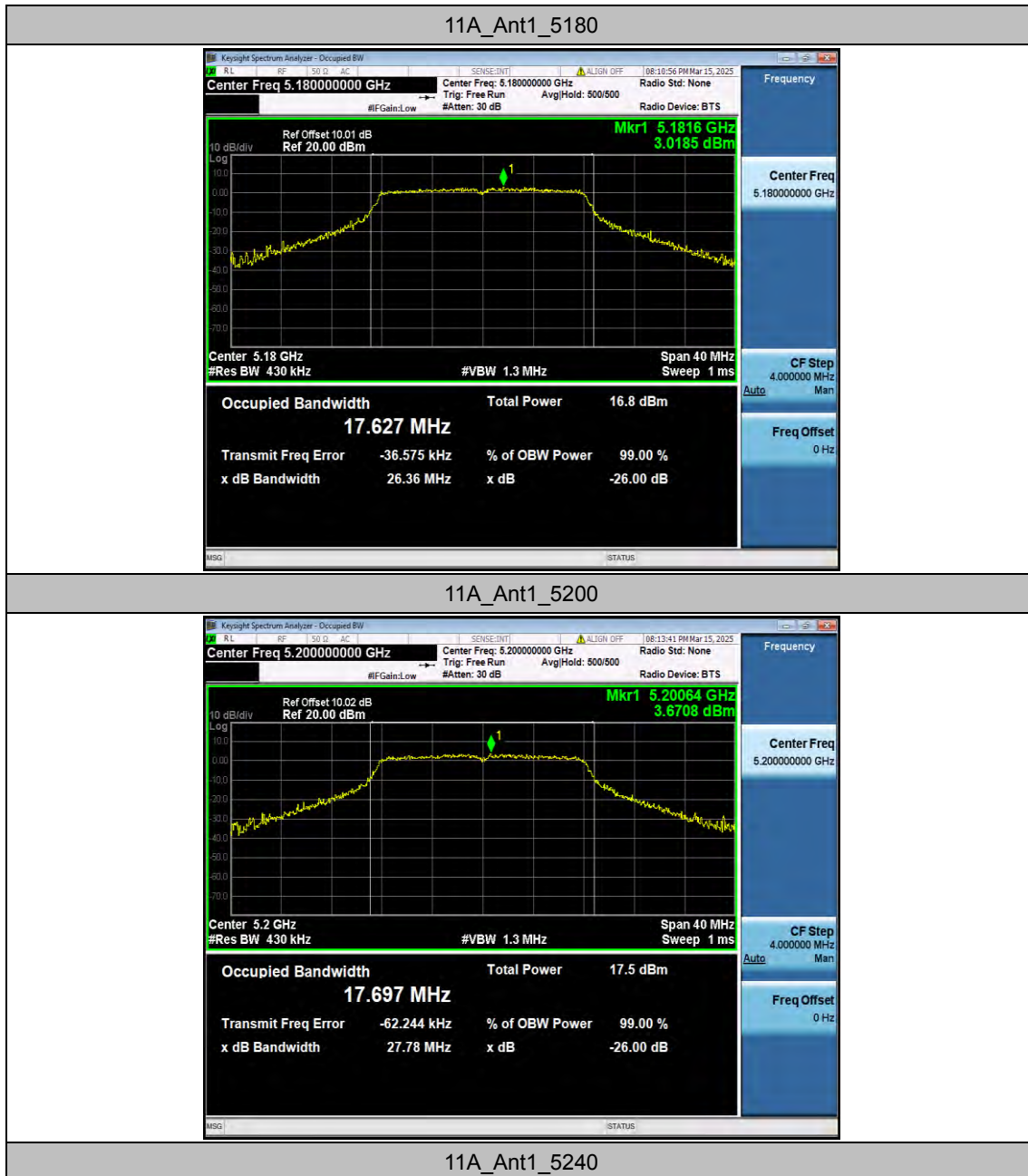


Appendix A.2: Occupied channel bandwidth

Test Result

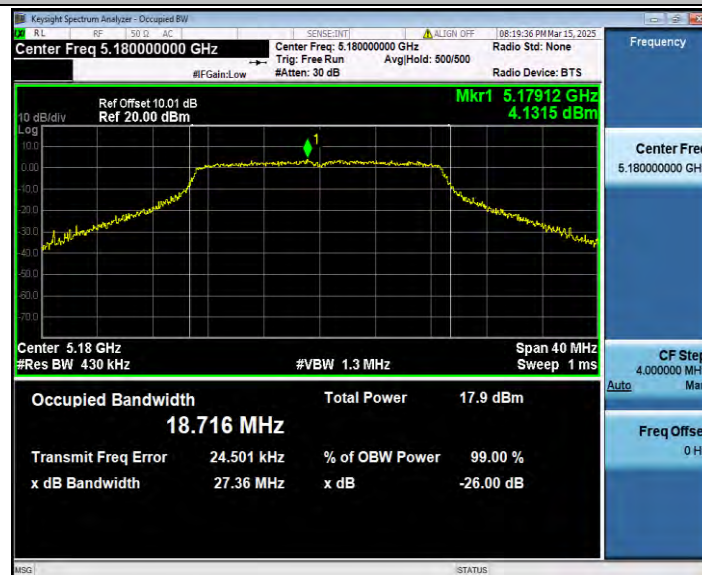
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.627	5171.1499	5188.7769	---	---
		5200	17.697	5191.0893	5208.7863	---	---
		5240	17.569	5231.1538	5248.7228	---	---
11N20SISO	Ant1	5180	18.716	5170.6665	5189.3825	---	---
		5200	18.701	5190.6389	5209.3399	---	---
		5240	18.720	5230.6250	5249.3450	---	---
11N40SISO	Ant1	5190	37.134	5171.5153	5208.6493	---	---
		5230	37.284	5211.3957	5248.6797	---	---
11AC20SISO	Ant1	5180	18.674	5170.6981	5189.3721	---	---
		5200	18.719	5190.6216	5209.3406	---	---
		5240	18.720	5230.6235	5249.3435	---	---
11AC40SISO	Ant1	5190	37.130	5171.5565	5208.6865	---	---
		5230	37.289	5211.4419	5248.7309	---	---
11AC80SISO	Ant1	5210	76.361	5172.0671	5248.4281	---	---
11AX20SISO	Ant1	5180	19.435	5170.3195	5189.7545	---	---
		5200	19.516	5190.2723	5209.7883	---	---
		5240	19.480	5230.2733	5249.7533	---	---
11AX40SISO	Ant1	5190	38.149	5170.9868	5209.1358	---	---
		5230	38.384	5210.7979	5249.1819	---	---
11AX80SISO	Ant1	5210	77.525	5171.4725	5248.9975	---	---

Test Graphs





11N20SISO_Ant1_5180



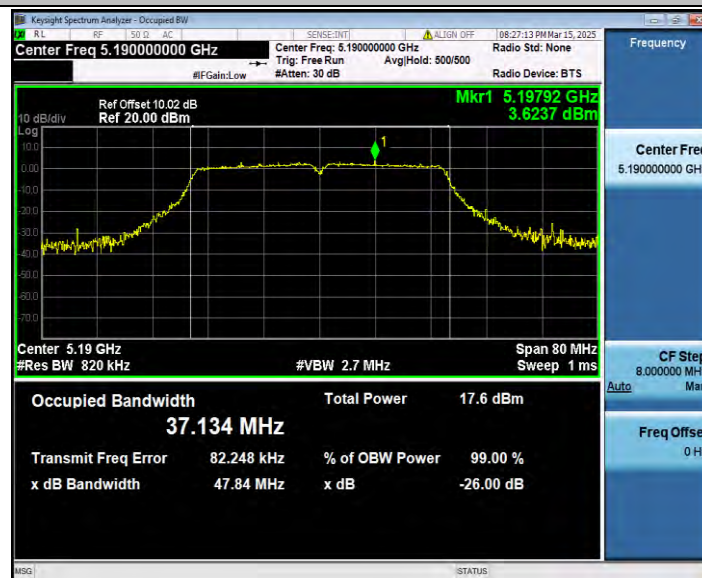
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



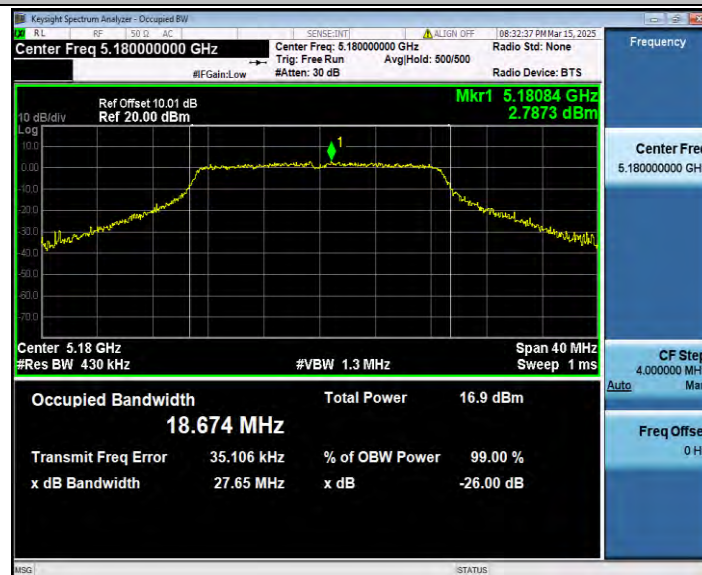
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



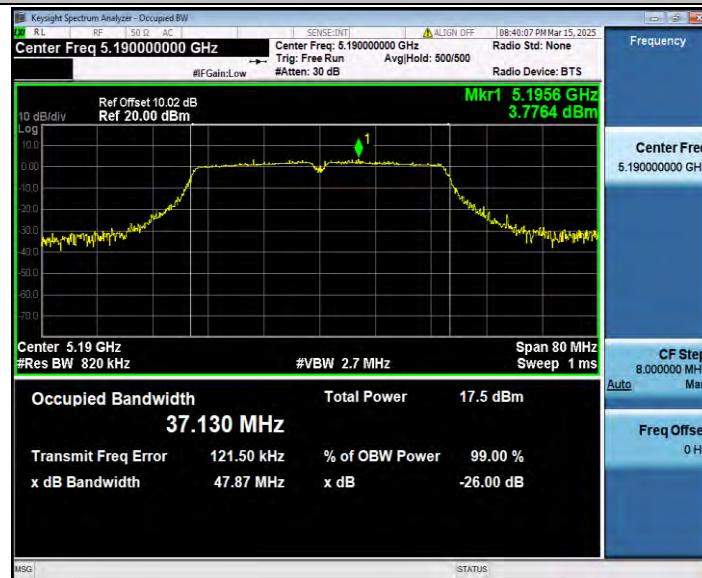
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



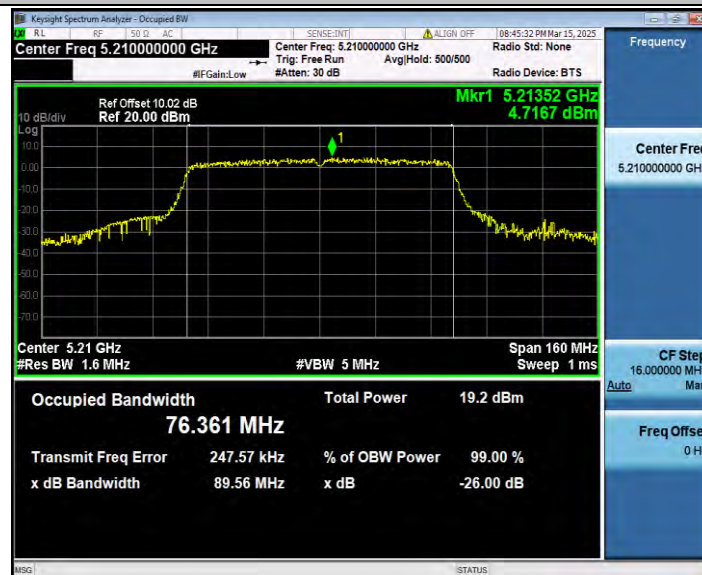
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



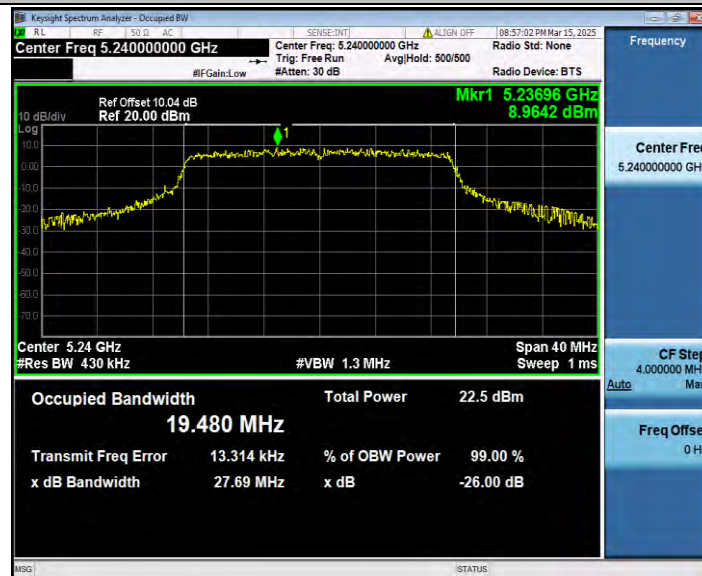
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



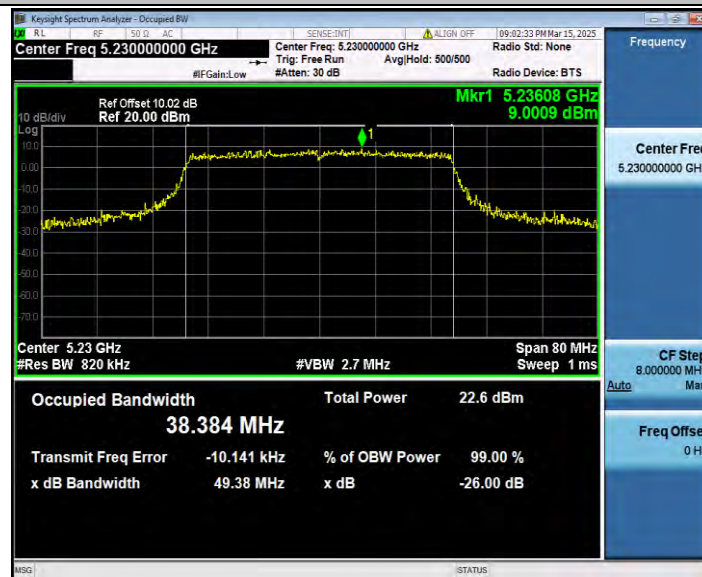
11AX20SISO_Ant1_5240



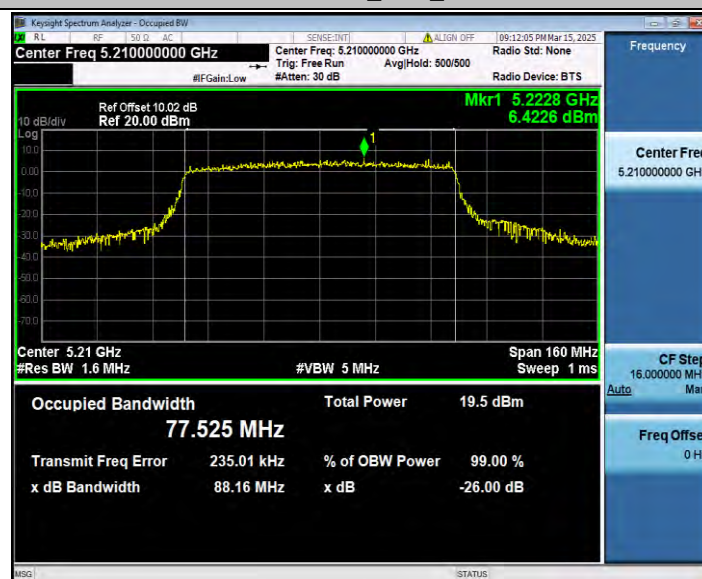
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



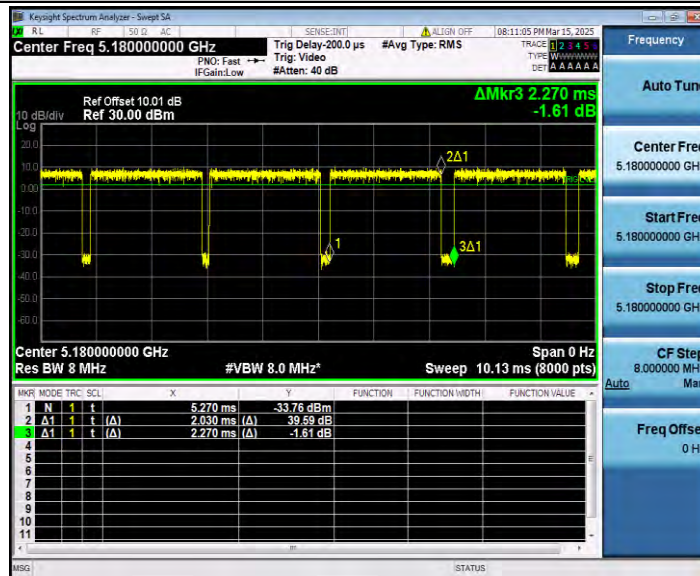
Appendix D.3: Duty Cycle

Test Result

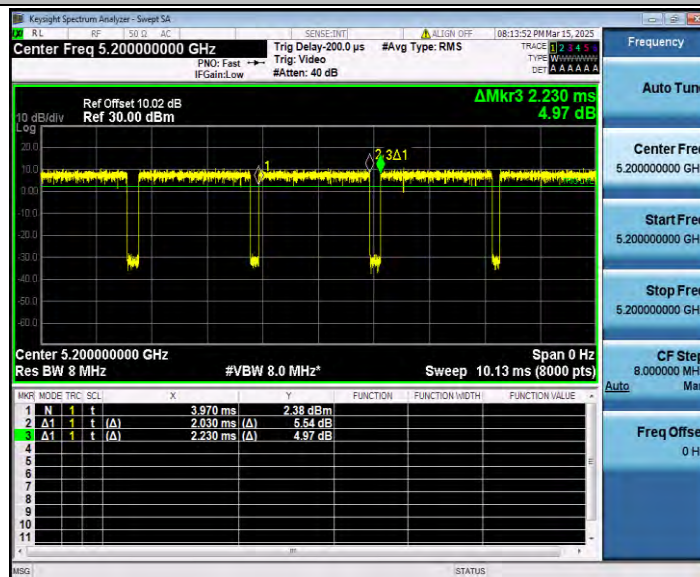
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.27	89.43	0.49	0.49
		5200	2.03	2.23	91.03	0.41	0.49
		5240	2.03	2.27	89.43	0.49	0.49
11N20SISO	Ant1	5180	1.89	3.37	56.08	2.51	0.53
		5200	1.90	2.05	92.68	0.33	0.53
		5240	1.89	2.07	91.30	0.40	0.53
11N40SISO	Ant1	5190	0.93	1.36	68.38	1.65	1.08
		5230	0.93	1.48	62.84	2.02	1.08
11AC20SISO	Ant1	5180	1.90	2.41	78.84	1.03	0.53
		5200	1.90	4.73	40.17	3.96	0.53
		5240	1.90	2.11	90.05	0.46	0.53
11AC40SISO	Ant1	5190	0.93	1.33	69.92	1.55	1.08
		5230	0.94	1.26	74.60	1.27	1.06
11AC80SISO	Ant1	5210	0.46	0.99	46.46	3.33	2.17
11AX20SISO	Ant1	5180	1.46	1.87	78.07	1.08	0.68
		5200	1.46	1.63	89.57	0.48	0.68
		5240	1.46	6.04	24.17	6.17	0.68
11AX40SISO	Ant1	5190	0.76	1.03	73.79	1.32	1.32
		5230	0.94	1.26	74.60	1.27	1.06
11AX80SISO	Ant1	5210	0.40	0.80	50.00	3.01	2.50

Test Graphs

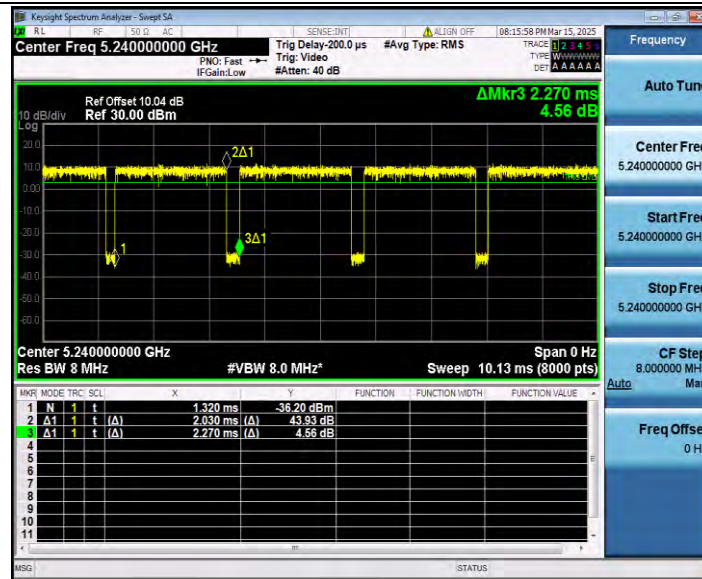
11A_Ant1_5180



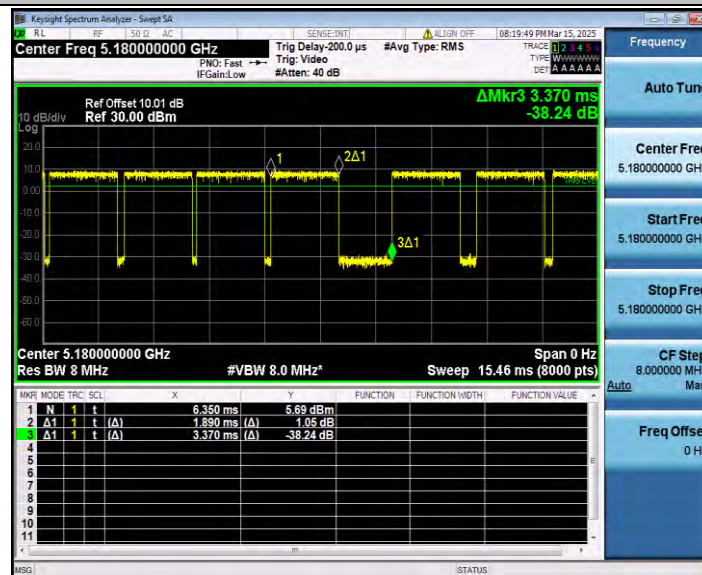
11A_Ant1_5200



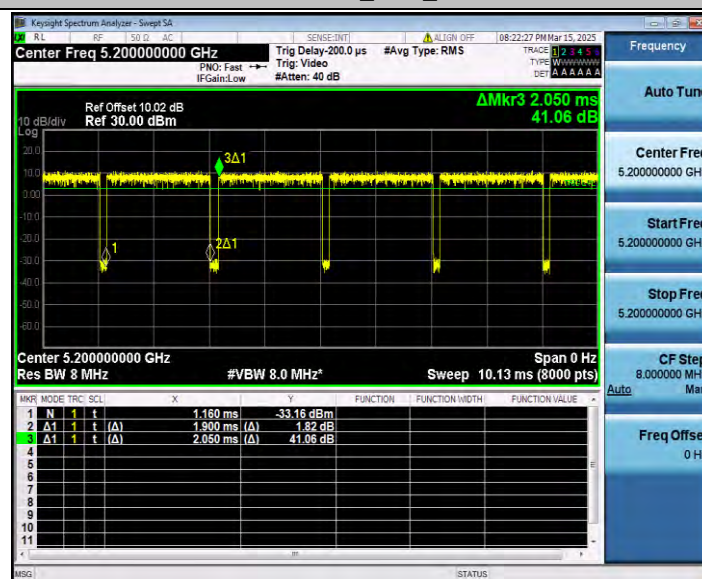
11A_Ant1_5240



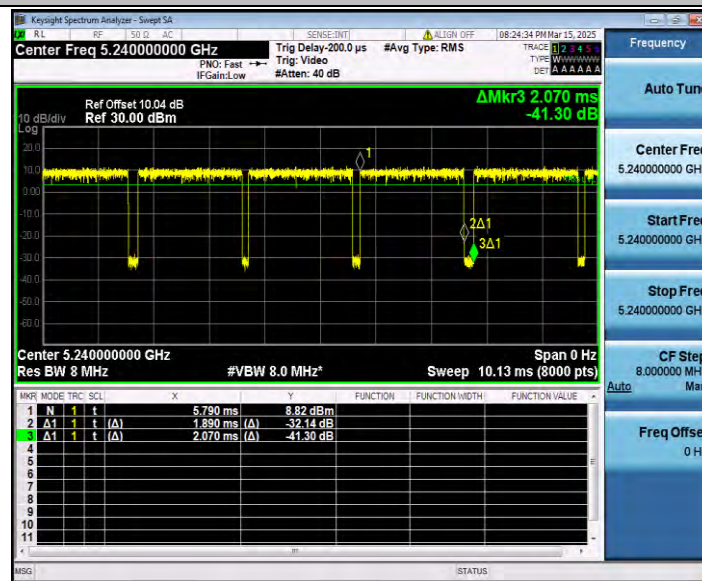
11N20SISO_Ant1_5180



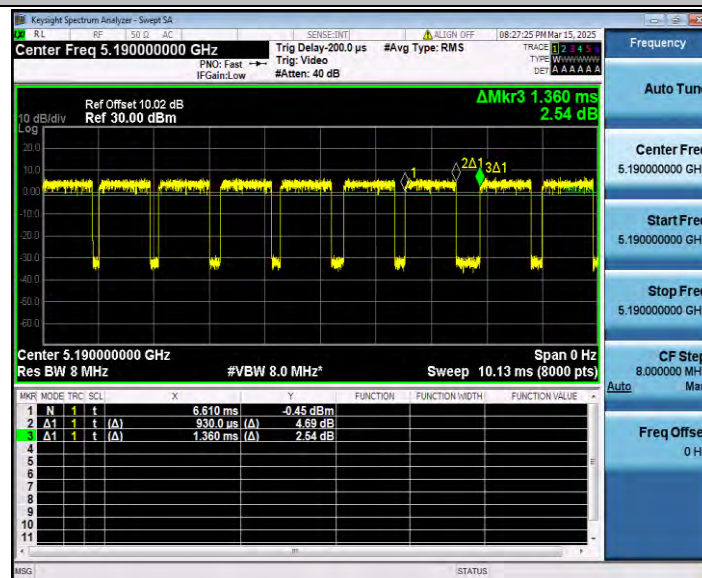
11N20SISO_Ant1_5200



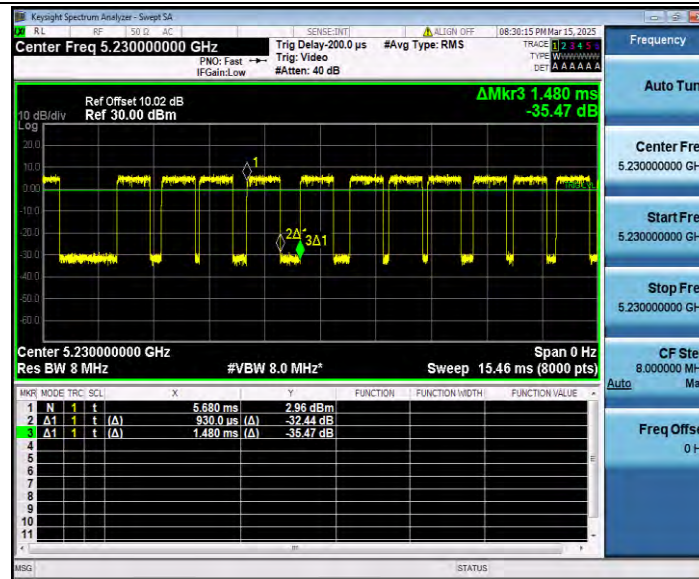
11N20SISO_Ant1_5240



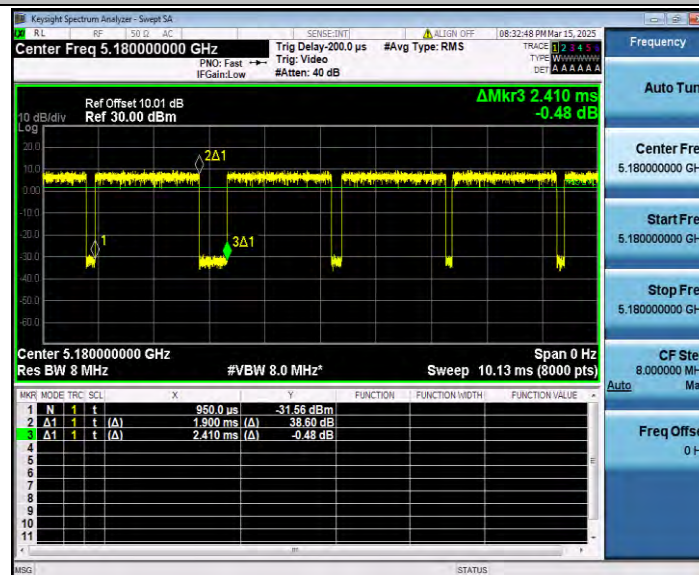
11N40SISO_Ant1_5190



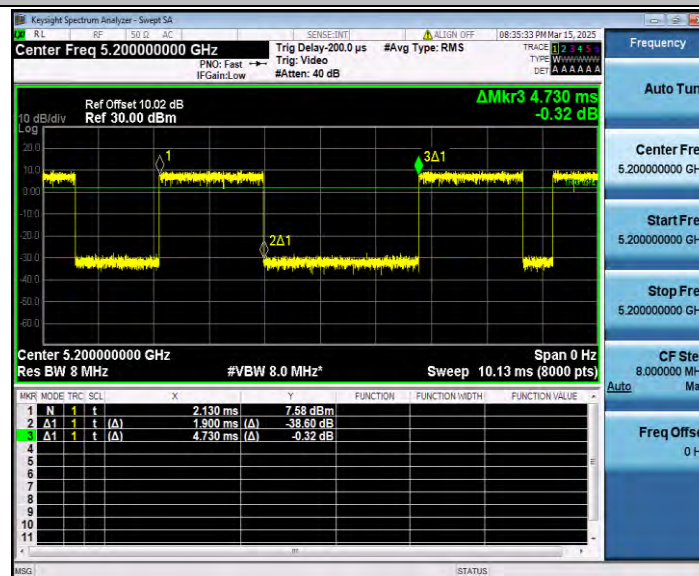
11N40SISO_Ant1_5230



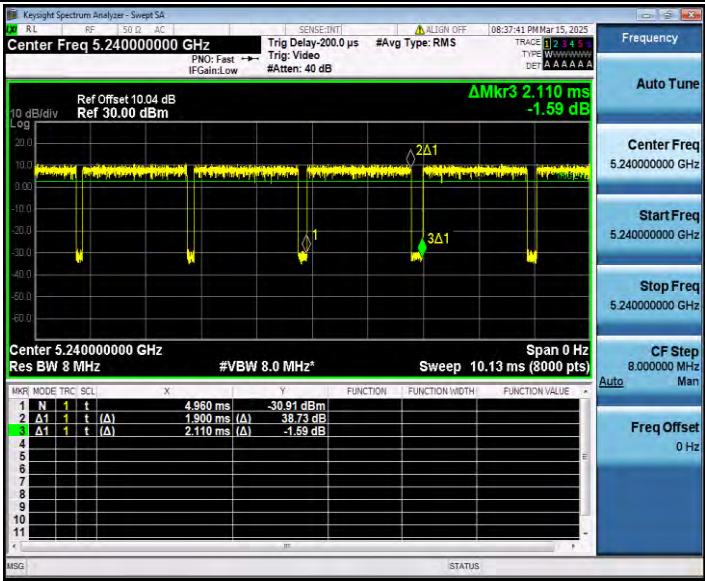
11AC20SISO_Ant1_5180



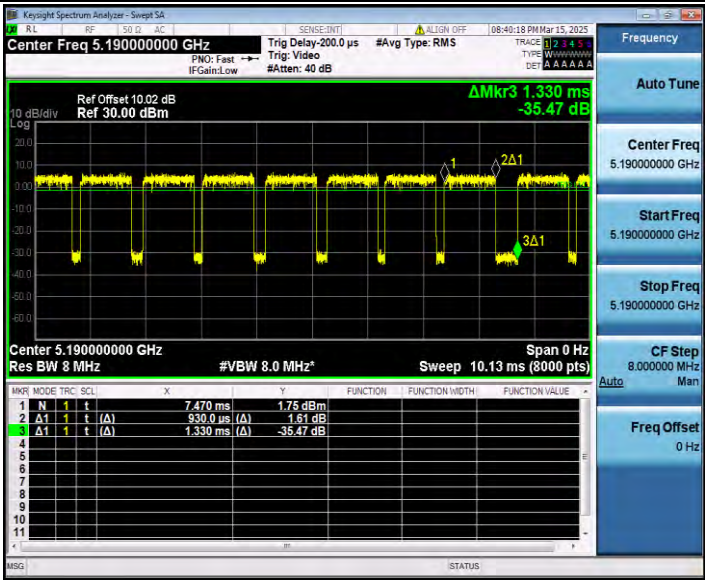
11AC20SISO_Ant1_5200



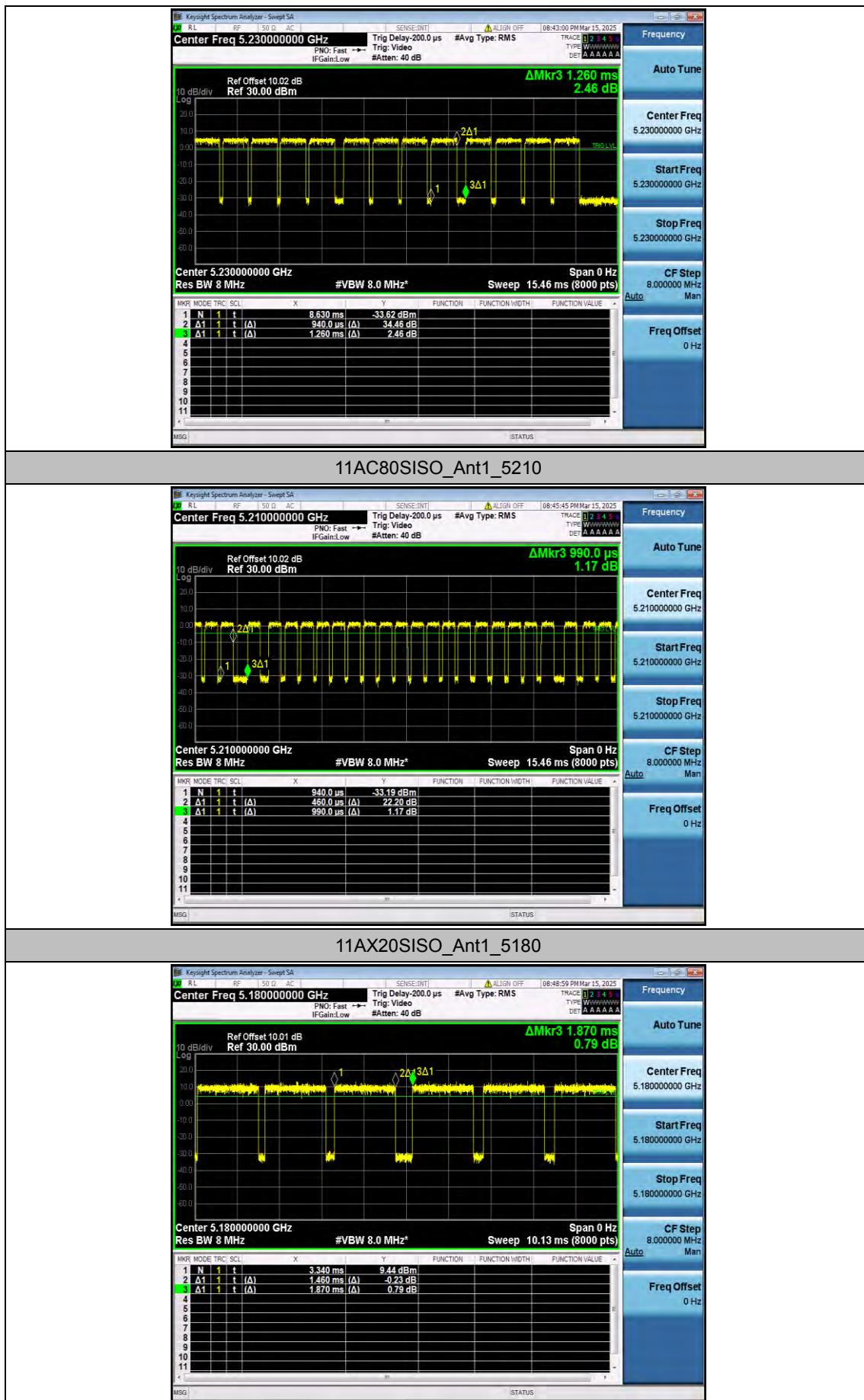
11AC20SISO_Ant1_5240



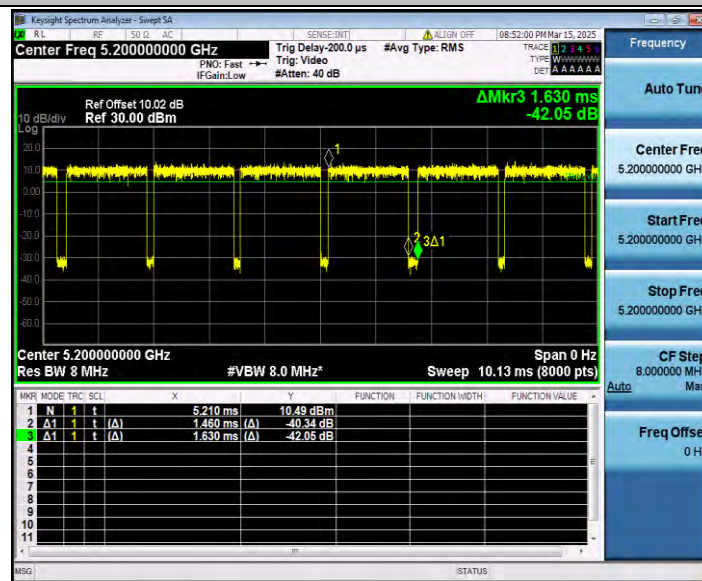
11AC40SISO_Ant1_5190



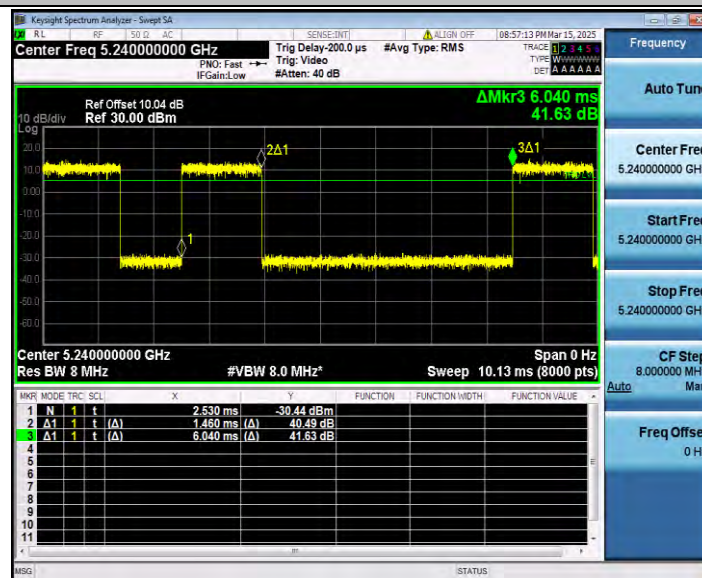
11AC40SISO_Ant1_5230



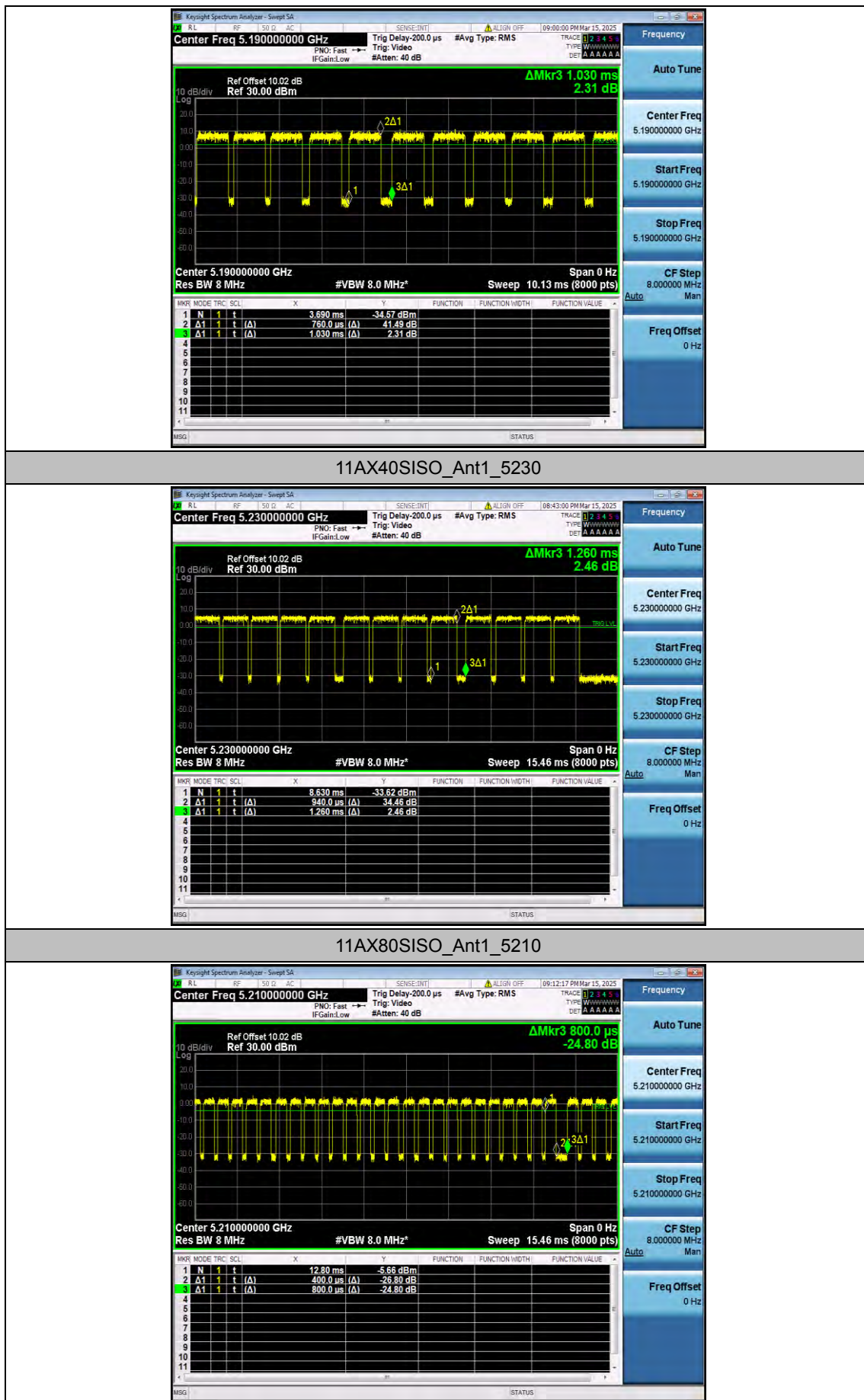
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



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	9.69	89.43	0.49	10.18	≤23.98	PASS
		5200	10.29	91.03	0.41	10.70	≤23.98	PASS
		5240	11.03	89.43	0.49	11.52	≤23.98	PASS
11N20SISO	Ant1	5180	10.67	56.08	2.51	13.18	≤23.98	PASS
		5200	11.22	92.68	0.33	11.55	≤23.98	PASS
		5240	11.78	91.30	0.40	12.18	≤23.98	PASS
11N40SISO	Ant1	5190	9.00	68.38	1.65	10.65	≤23.98	PASS
		5230	9.77	62.84	2.02	11.79	≤23.98	PASS
11AC20SISO	Ant1	5180	9.27	78.84	1.03	10.30	≤23.98	PASS
		5200	8.71	40.17	3.96	12.67	≤23.98	PASS
		5240	10.80	90.05	0.46	11.26	≤23.98	PASS
11AC40SISO	Ant1	5190	9.26	69.92	1.55	10.81	≤23.98	PASS
		5230	9.79	74.60	1.27	11.06	≤23.98	PASS
11AC80SISO	Ant1	5210	7.49	46.46	3.33	10.82	≤23.98	PASS
11AX20SISO	Ant1	5180	12.31	78.07	1.08	13.39	≤23.98	PASS
		5200	12.76	89.57	0.48	13.24	≤23.98	PASS
		5240	13.00	24.17	6.17	19.17	≤23.98	PASS
11AX40SISO	Ant1	5190	10.67	73.79	1.32	11.99	≤23.98	PASS
		5230	12.66	74.60	1.27	13.93	≤23.98	PASS
11AX80SISO	Ant1	5210	8.64	50.00	3.01	11.65	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

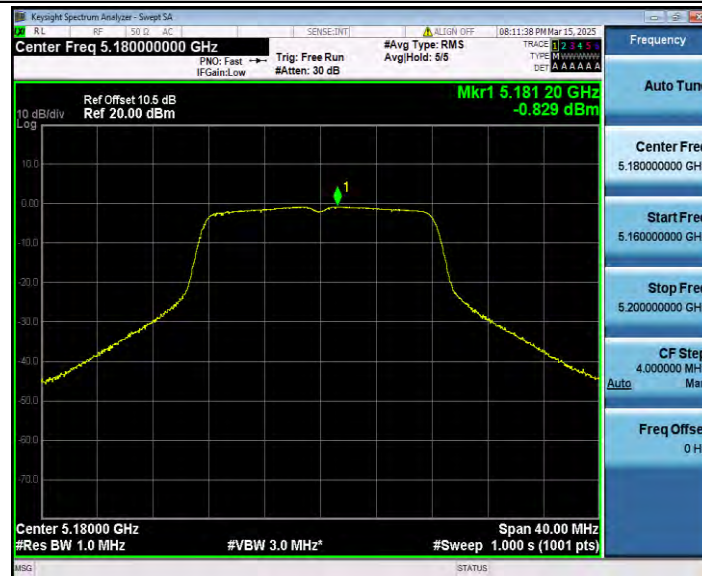
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.83	≤11.00	PASS
		5200	-0.34	≤11.00	PASS
		5240	0.50	≤11.00	PASS
11N20SISO	Ant1	5180	1.86	≤11.00	PASS
		5200	0.18	≤11.00	PASS
		5240	0.94	≤11.00	PASS
11N40SISO	Ant1	5190	-2.86	≤11.00	PASS
		5230	-1.74	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.54	≤11.00	PASS
		5200	2.97	≤11.00	PASS
		5240	-0.01	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.99	≤11.00	PASS
		5230	-2.52	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.22	≤11.00	PASS
11AX20SISO	Ant1	5180	2.19	≤11.00	PASS
		5200	2.09	≤11.00	PASS
		5240	8.62	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.80	≤11.00	PASS
		5230	-1.32	≤11.00	PASS
11AX80SISO	Ant1	5210	-4.91	≤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



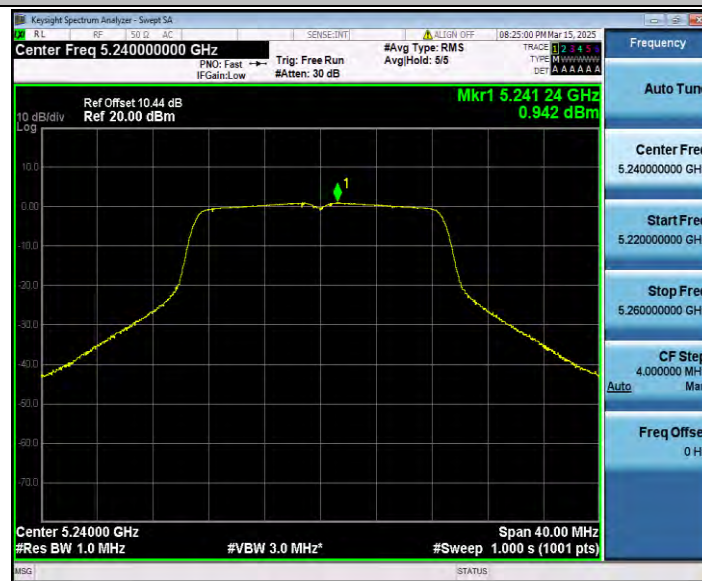
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



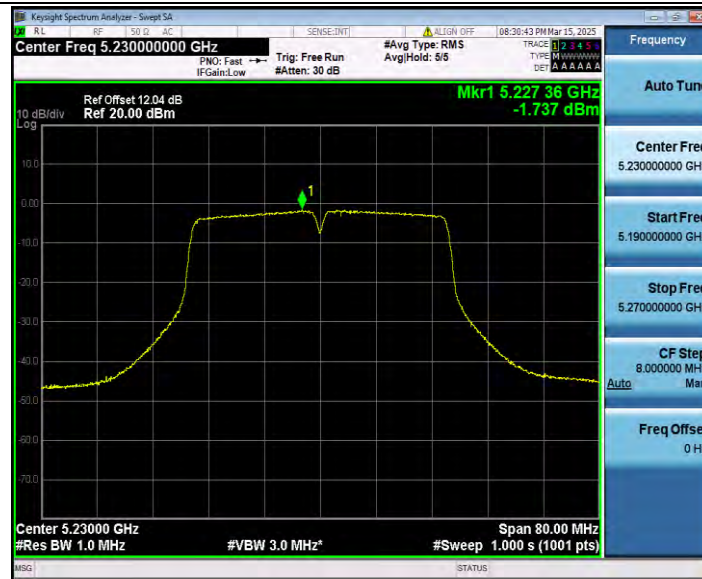
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



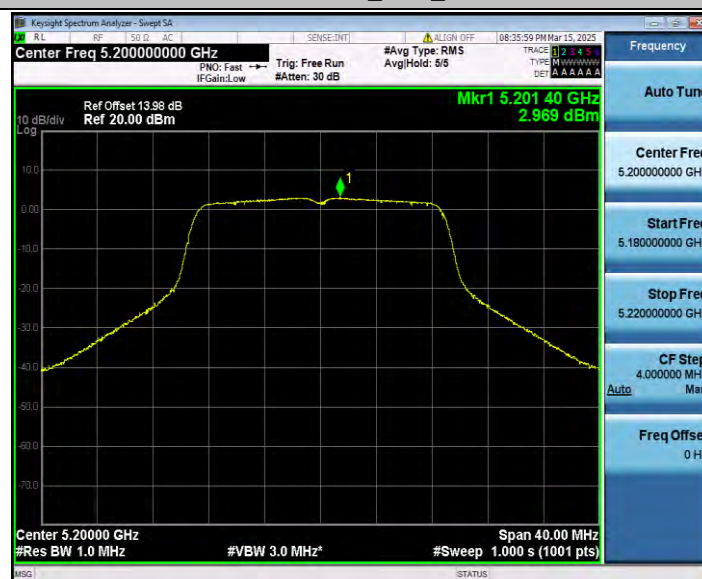
11N40SISO_Ant1_5230



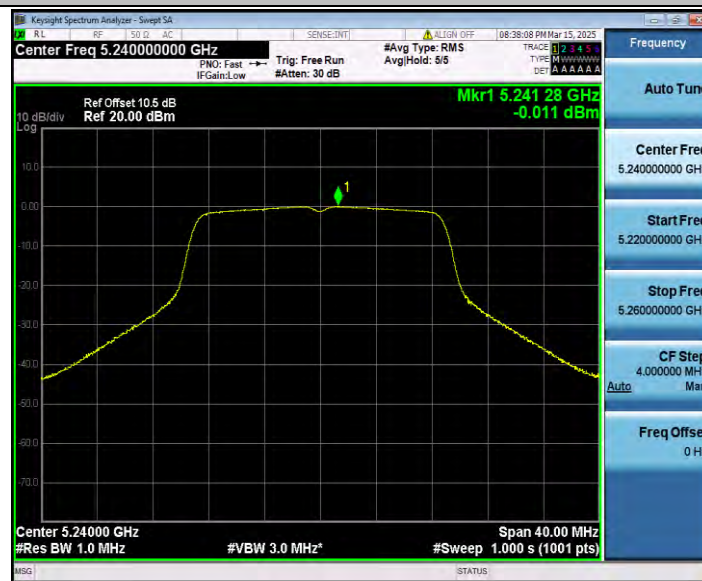
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



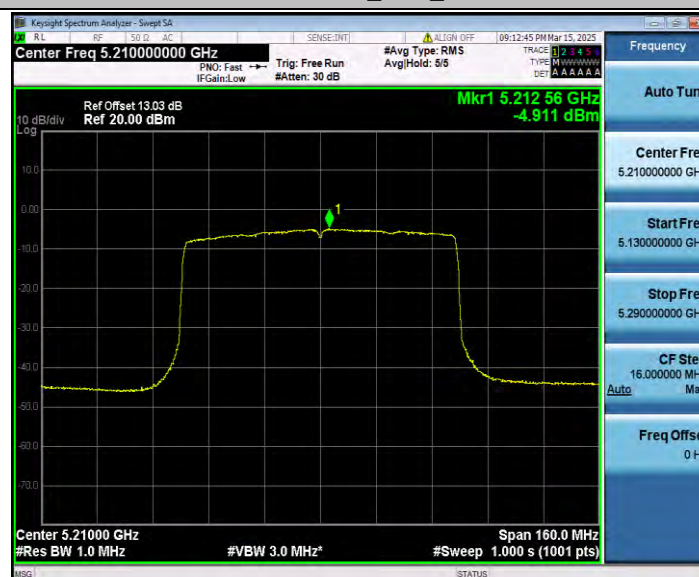
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

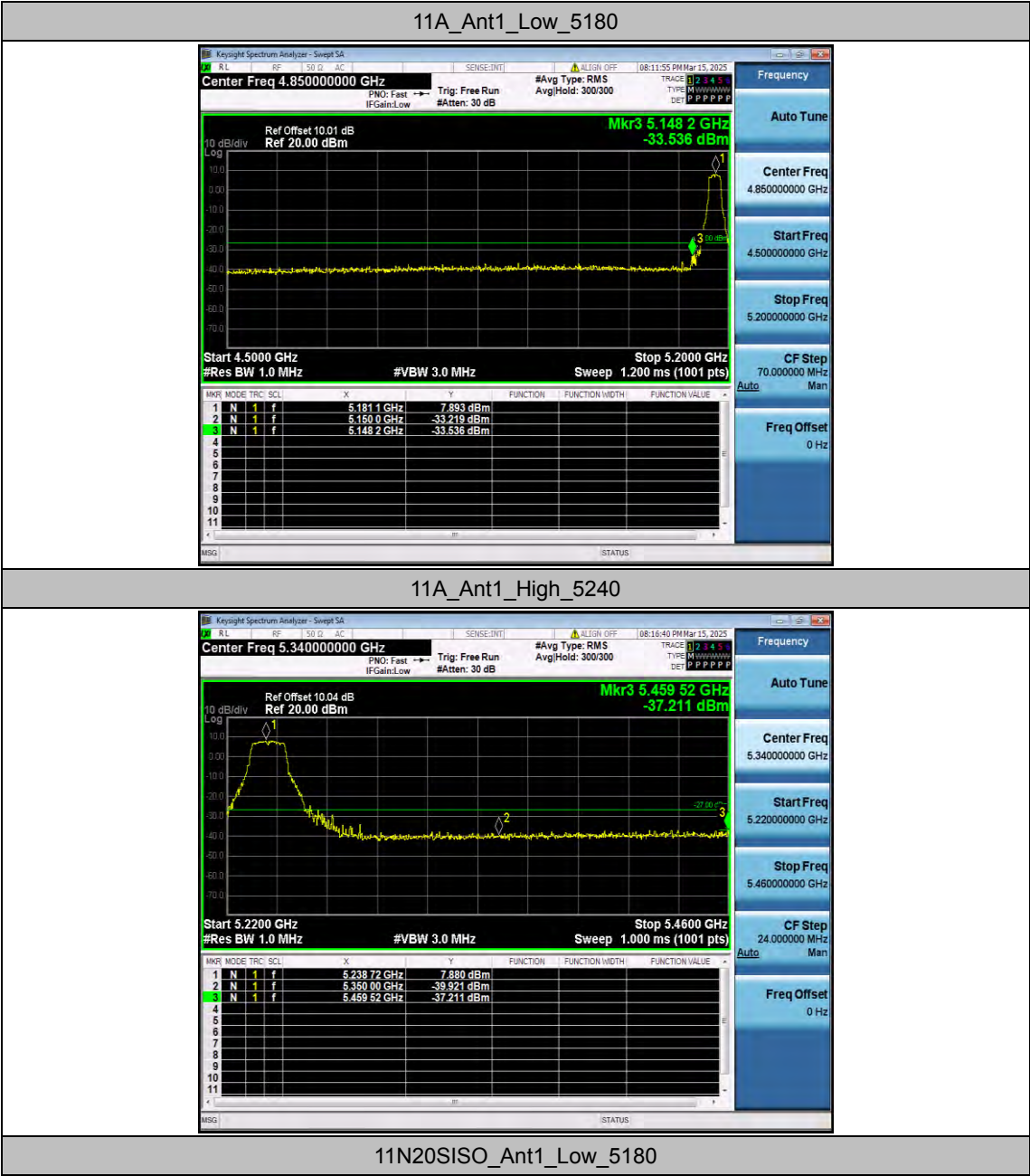


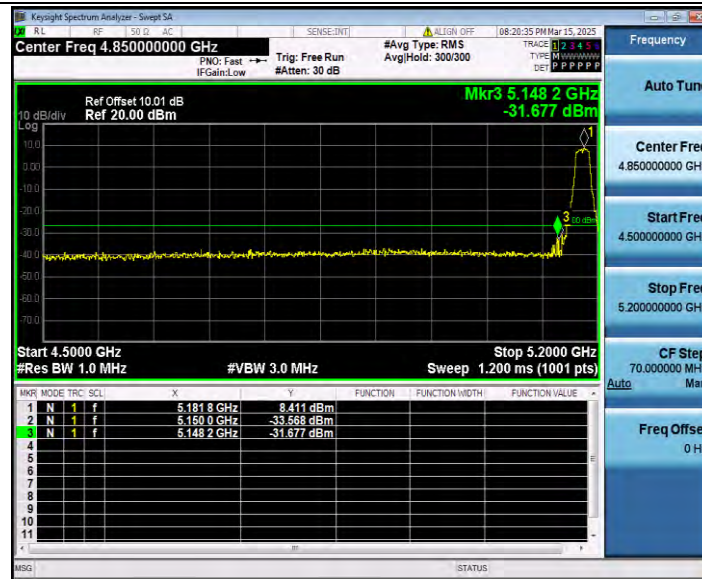
Appendix D.6: Band edge measurements

Test Result B1

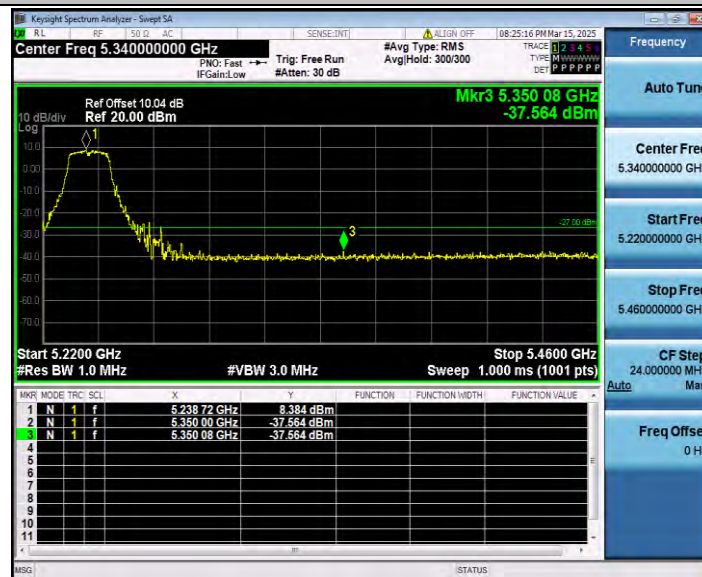
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-33.54	≤ -27	PASS
		High	5240	-37.21	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-31.68	≤ -27	PASS
		High	5240	-37.56	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-33.51	≤ -27	PASS
		High	5230	-36.36	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-32.74	≤ -27	PASS
		High	5240	-37.71	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-32.31	≤ -27	PASS
		High	5230	-37.27	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-31.88	≤ -27	PASS
		High	5210	-36.98	≤ -27	PASS
11AX20SISO	Ant1	Low	5180	-30.93	≤ -27	PASS
		High	5240	-37.62	≤ -27	PASS
11AX40SISO	Ant1	Low	5190	-27.12	≤ -27	PASS
		High	5230	-37.22	≤ -27	PASS
11AX80SISO	Ant1	Low	5210	-30.95	≤ -27	PASS
		High	5210	-37.73	≤ -27	PASS

Test Graphs B1

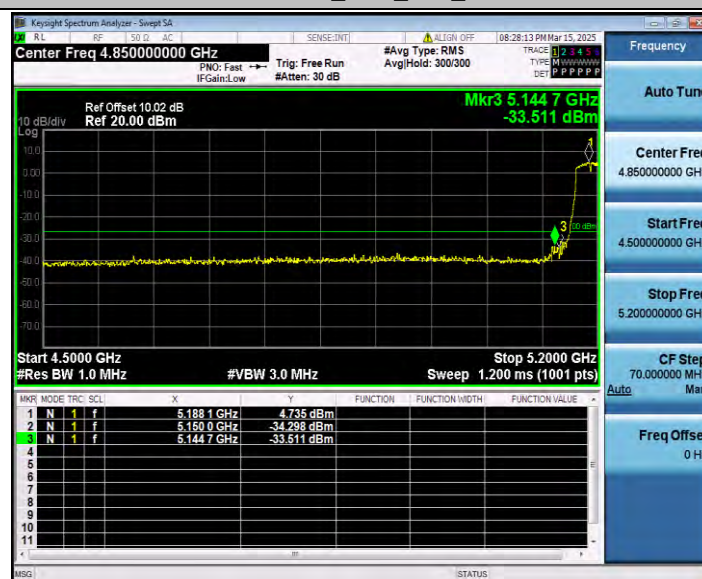




11N20SISO_Ant1_High_5240



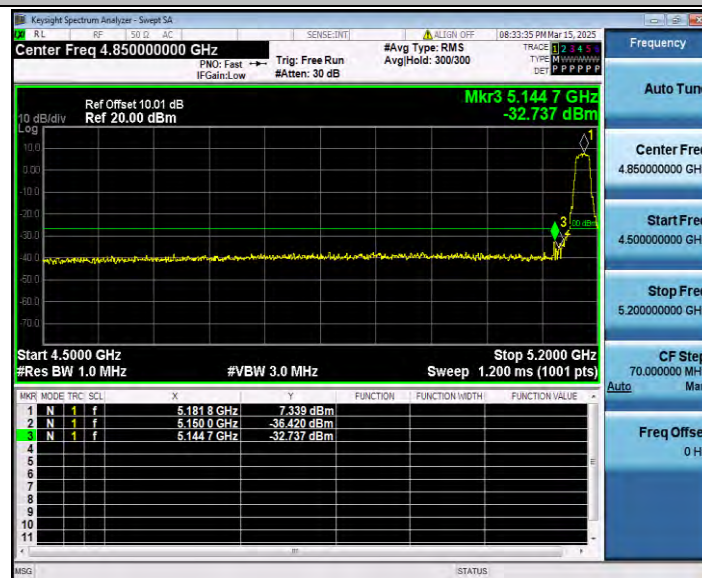
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



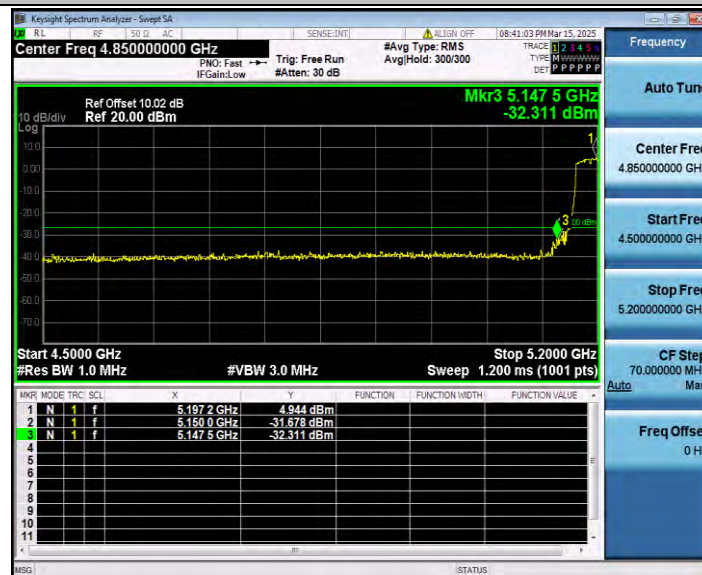
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



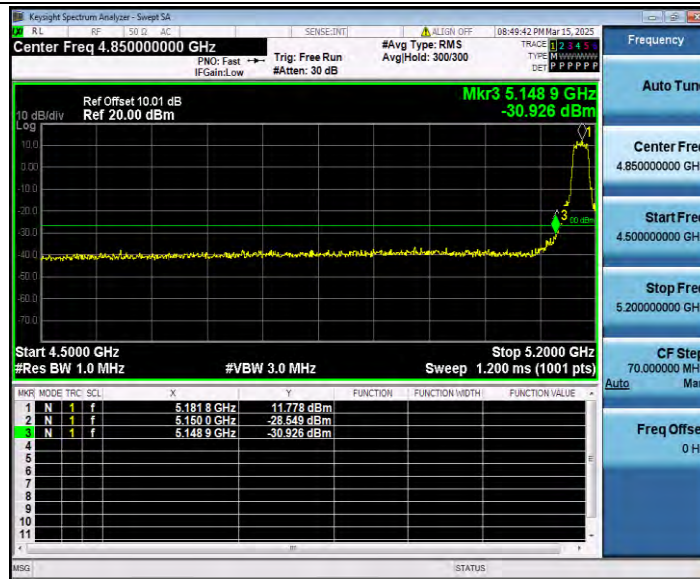
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11AC80SISO_Ant1_High_5210



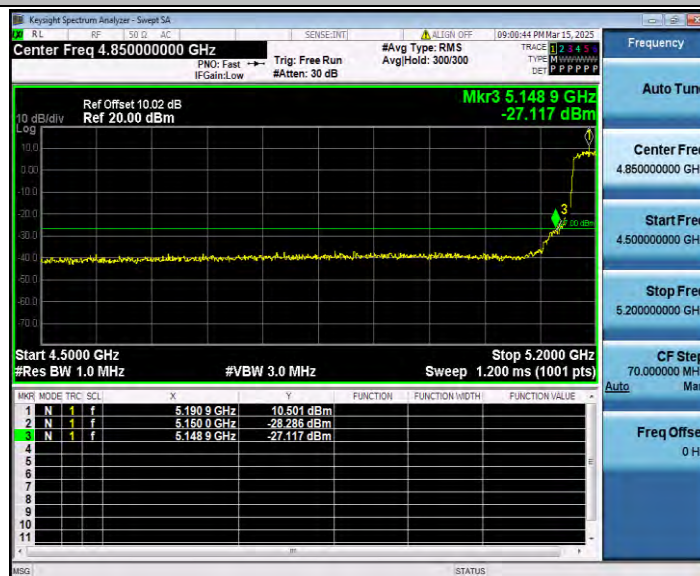
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11AX20SISO_Ant1_High_5240



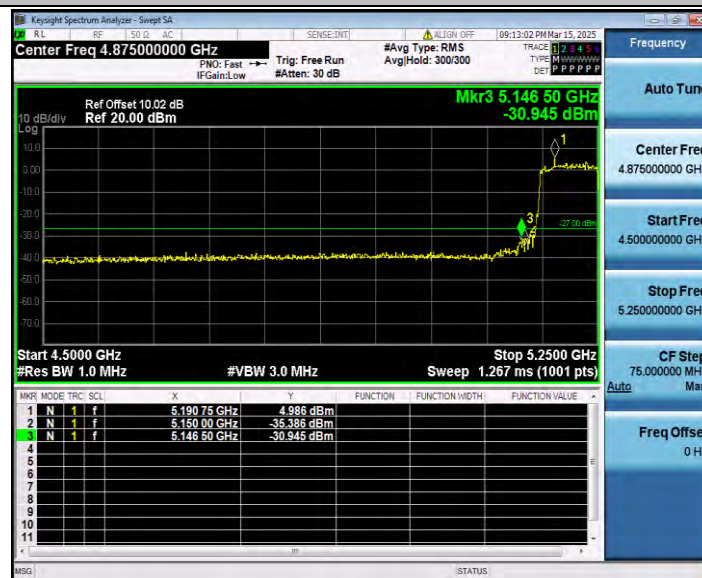
11AX40SISO_Ant1_Low_5190



11AX40SISO_Ant1_High_5230



11AX80SISO_Ant1_Low_5210



11AX80SISO_Ant1_High_5210

