

Case No. : <u>GTS20241129021-1-05</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.1.13</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	20.440	5169.960	5190.400	---	---
		5200	20.560	5189.840	5210.400	---	---
		5240	20.520	5229.840	5250.360	---	---
11N20SISO	Ant1	5180	20.560	5169.800	5190.360	---	---
		5200	20.440	5189.920	5210.360	---	---
		5240	21.240	5229.080	5250.320	---	---
11N40SISO	Ant1	5190	71.920	5152.880	5224.800	---	---
		5230	40.560	5210.320	5250.880	---	---
11AC20SISO	Ant1	5180	21.000	5169.480	5190.480	---	---
		5200	20.640	5189.760	5210.400	---	---
		5240	20.880	5229.640	5250.520	---	---
11AC40SISO	Ant1	5190	40.000	5170.320	5210.320	---	---
		5230	40.560	5209.920	5250.480	---	---
11AC80SISO	Ant1	5210	80.960	5170.320	5251.280	---	---
11AX20SISO	Ant1	5180	20.840	5169.640	5190.480	---	---
		5200	21.240	5189.280	5210.520	---	---
		5240	21.400	5229.280	5250.680	---	---
11AX40SISO	Ant1	5190	40.240	5170.080	5210.320	---	---
		5230	40.080	5210.160	5250.240	---	---
11AX80SISO	Ant1	5210	82.400	5169.200	5251.600	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



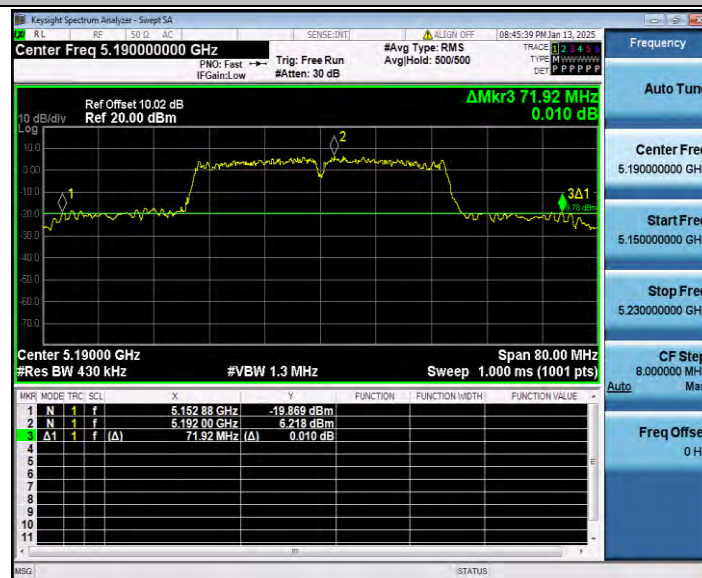
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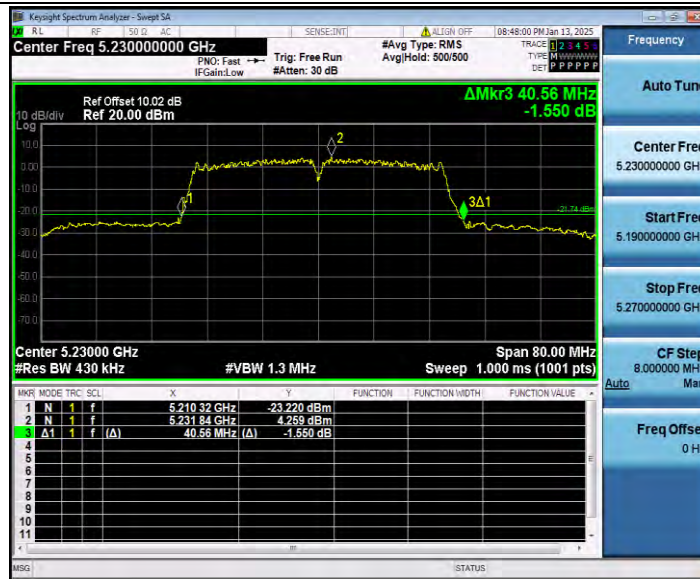
11N20SISO_Ant1_5240



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



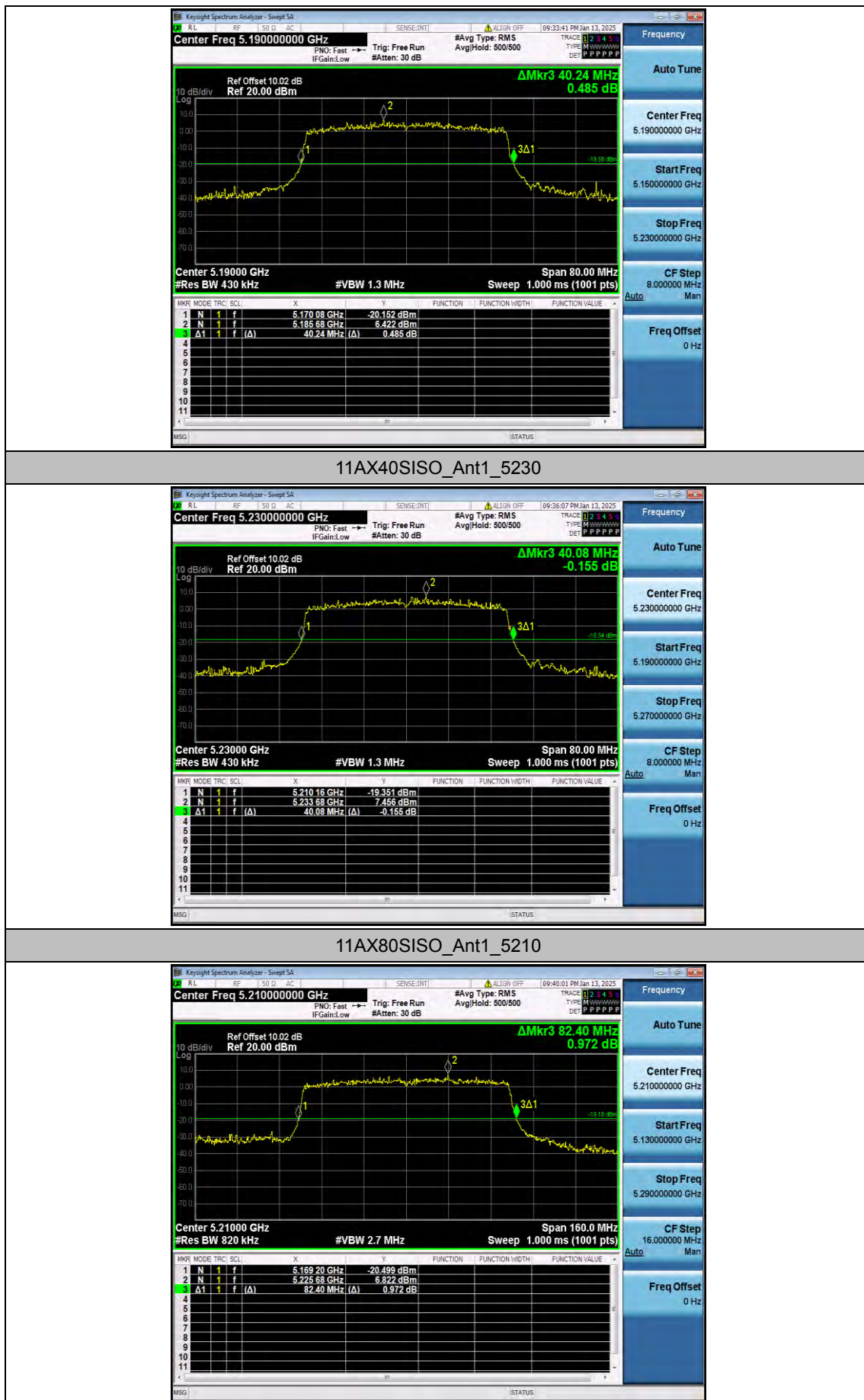
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.885	5171.6053	5188.4903	---	---
		5200	16.856	5191.6517	5208.5077	---	---
		5240	16.936	5231.5897	5248.5257	---	---
11N20SISO	Ant1	5180	17.988	5171.0512	5189.0392	---	---
		5200	17.985	5191.0795	5209.0645	---	---
		5240	17.987	5231.0518	5249.0388	---	---
11N40SISO	Ant1	5190	36.908	5171.5828	5208.4908	---	---
		5230	36.351	5211.8777	5248.2287	---	---
11AC20SISO	Ant1	5180	17.883	5171.0714	5188.9544	---	---
		5200	17.914	5191.1054	5209.0194	---	---
		5240	17.918	5231.0562	5248.9742	---	---
11AC40SISO	Ant1	5190	36.226	5172.0344	5208.2604	---	---
		5230	36.143	5212.0952	5248.2382	---	---
11AC80SISO	Ant1	5210	75.630	5172.5233	5248.1533	---	---
11AX20SISO	Ant1	5180	18.861	5170.6107	5189.4717	---	---
		5200	18.915	5190.5592	5209.4742	---	---
		5240	18.902	5230.5400	5249.4420	---	---
11AX40SISO	Ant1	5190	37.443	5171.3472	5208.7902	---	---
		5230	37.443	5211.3325	5248.7755	---	---
11AX80SISO	Ant1	5210	77.084	5171.6635	5248.7475	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



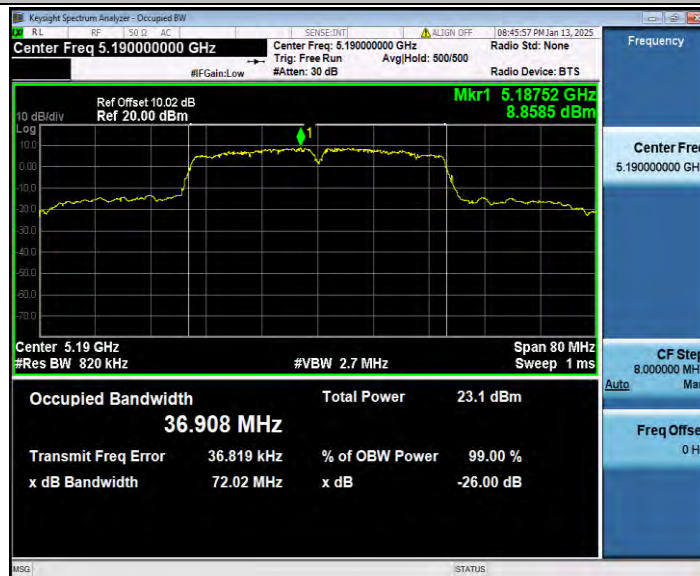
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



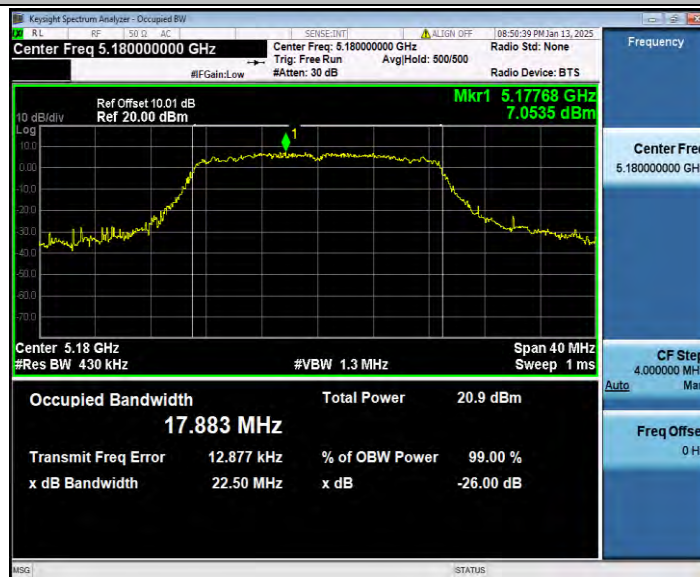
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



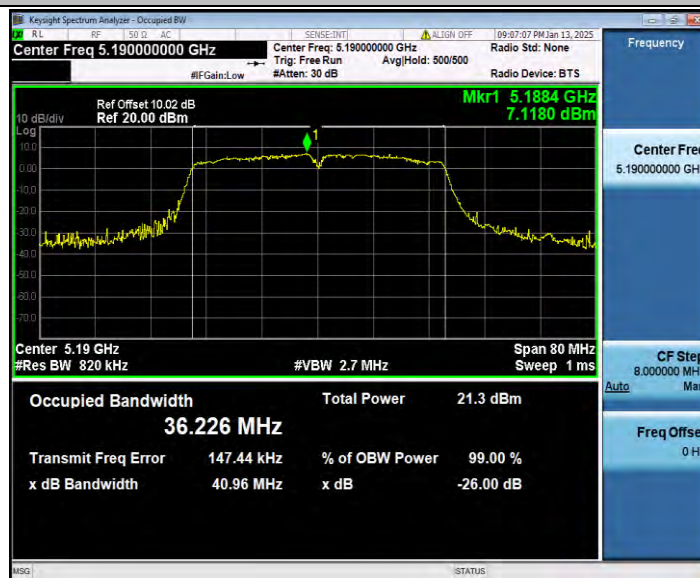
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



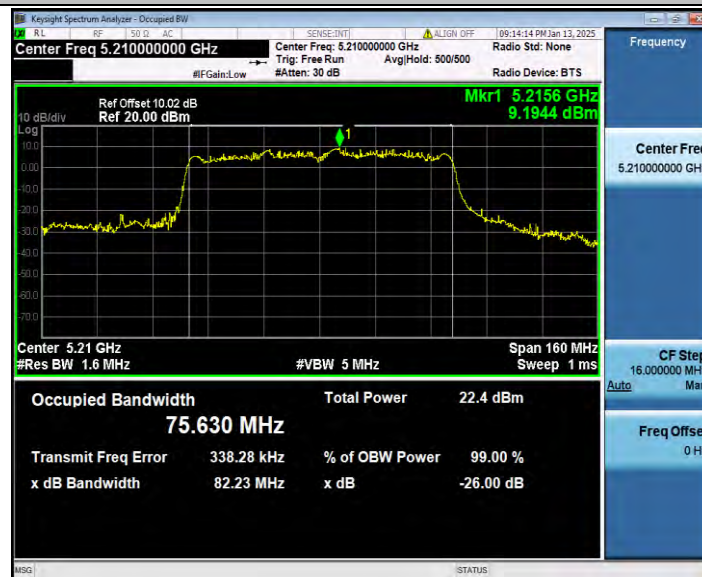
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



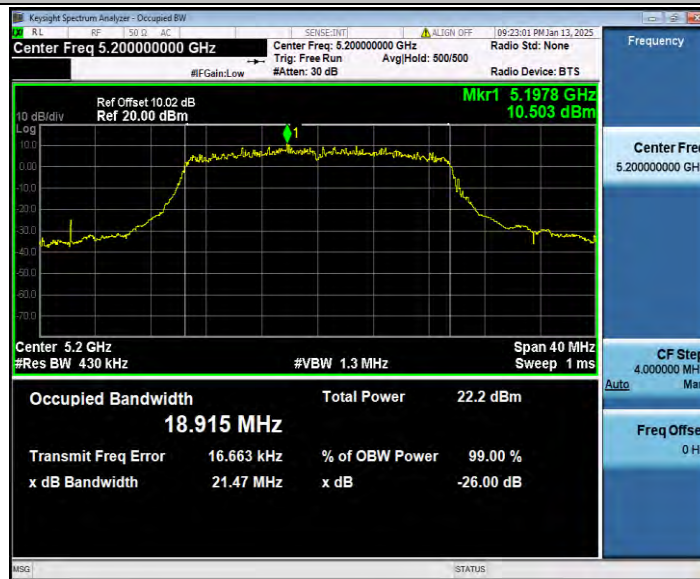
11AC80SISO_Ant1_5210



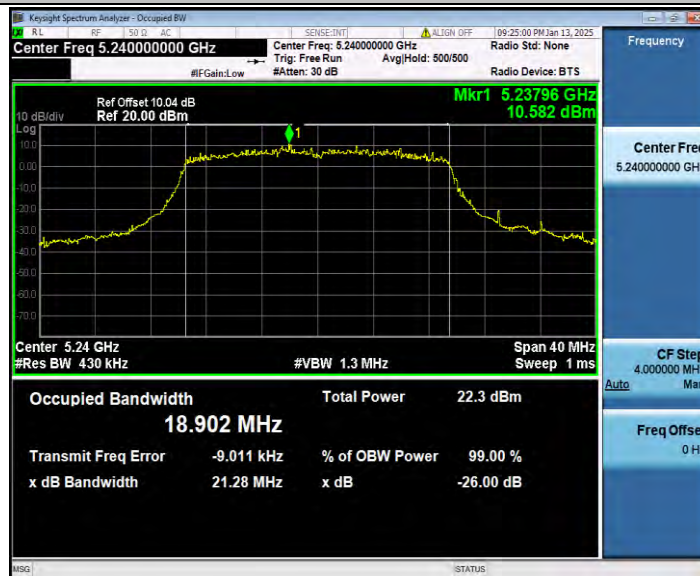
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



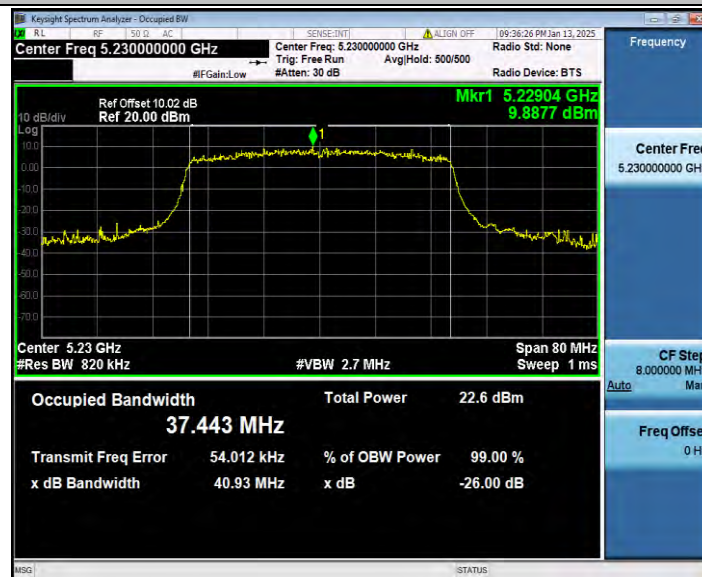
11AX20SISO_Ant1_5240



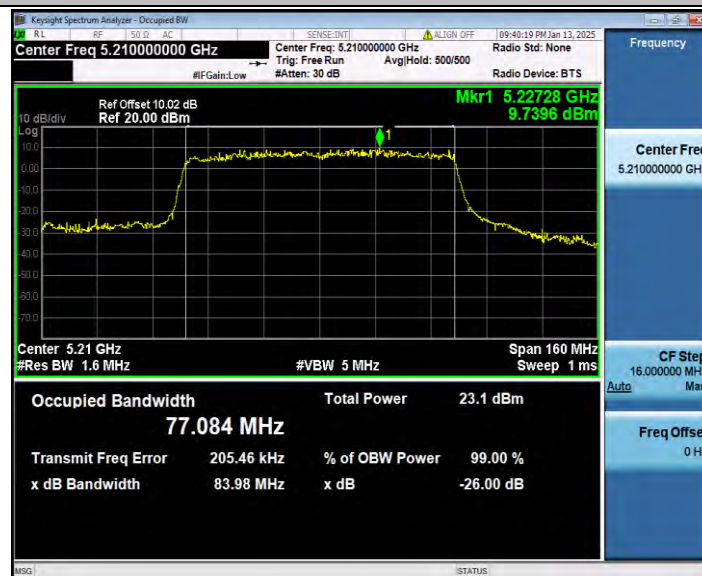
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

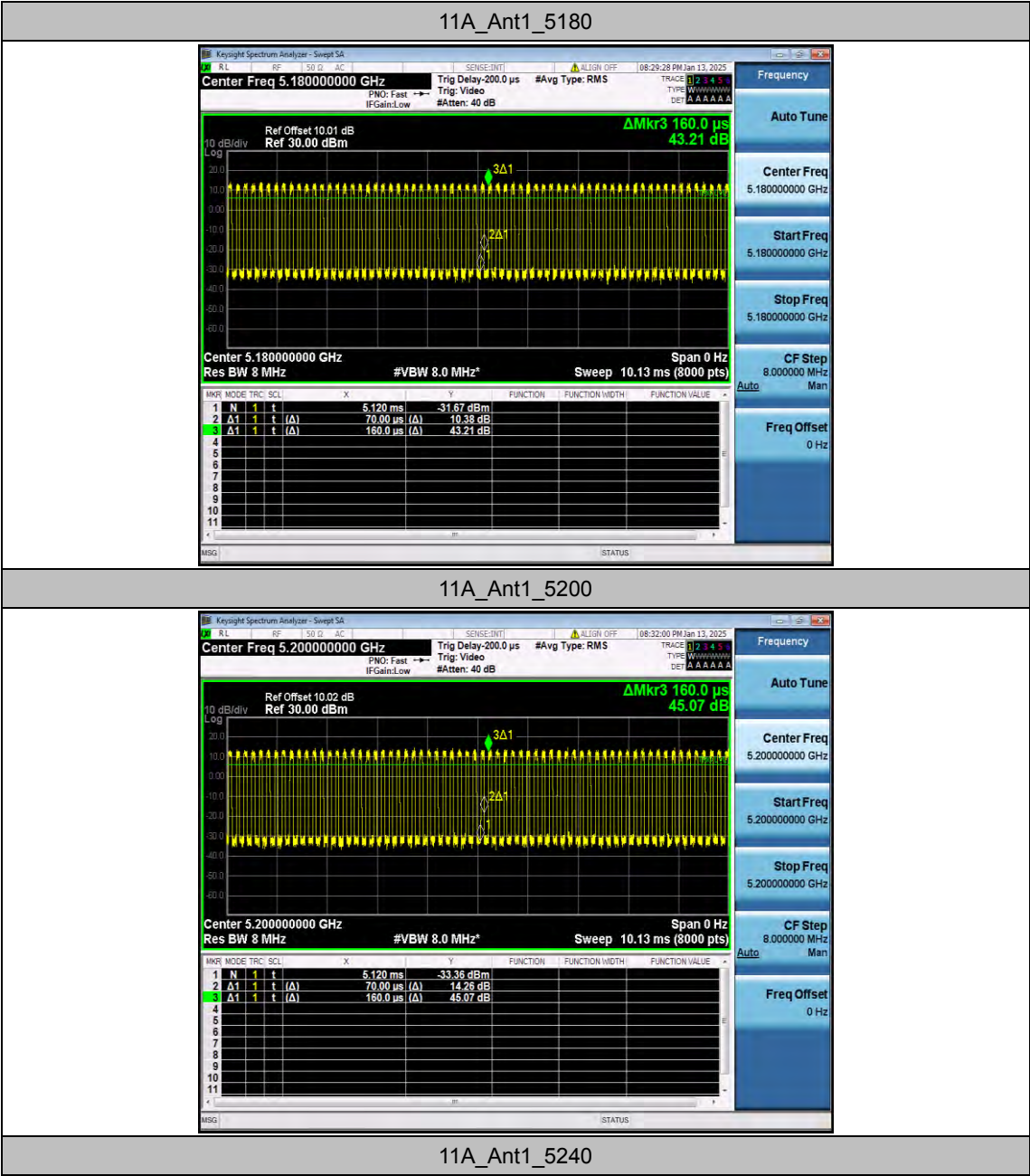


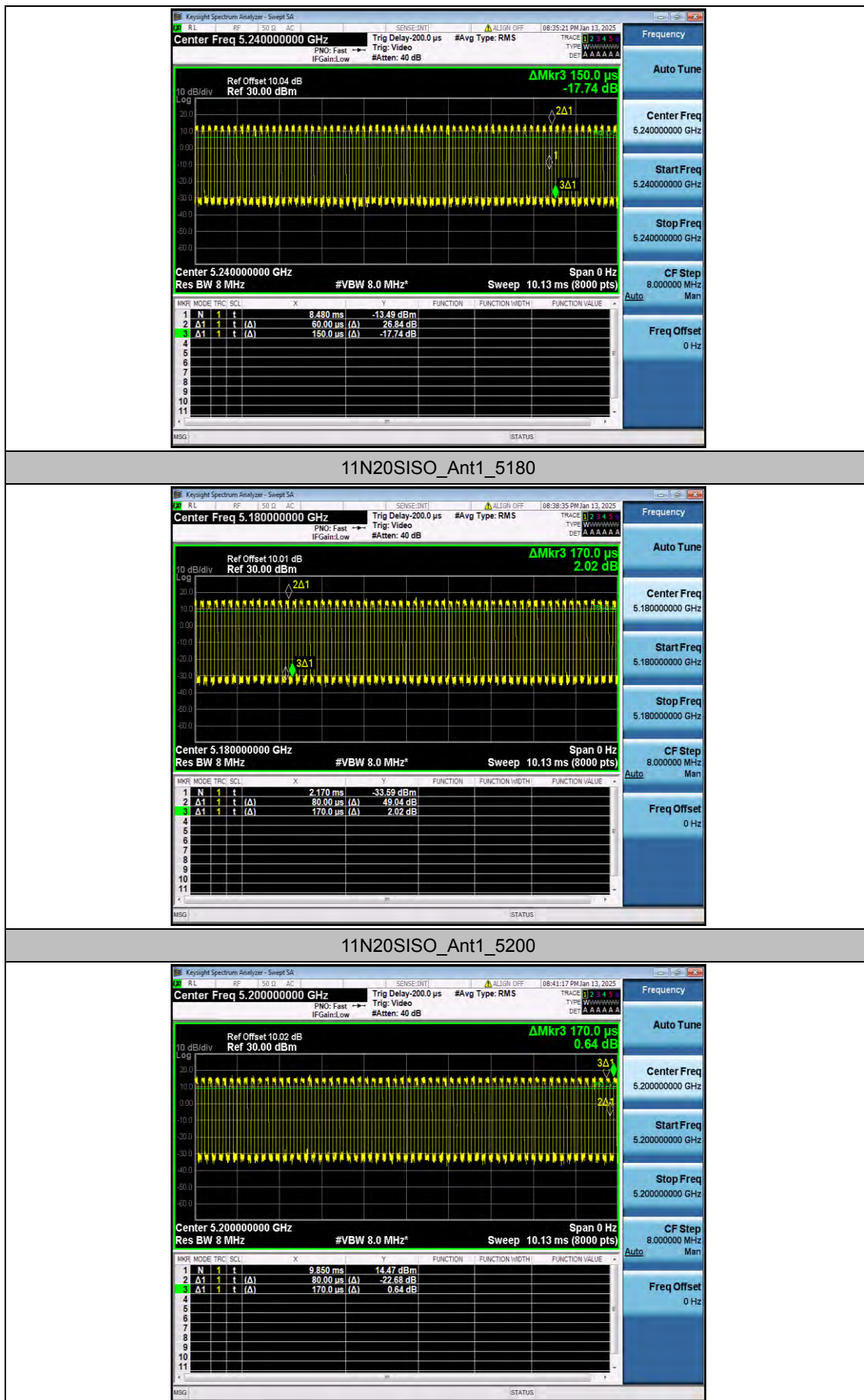
Appendix D.3: Duty Cycle

Test Result

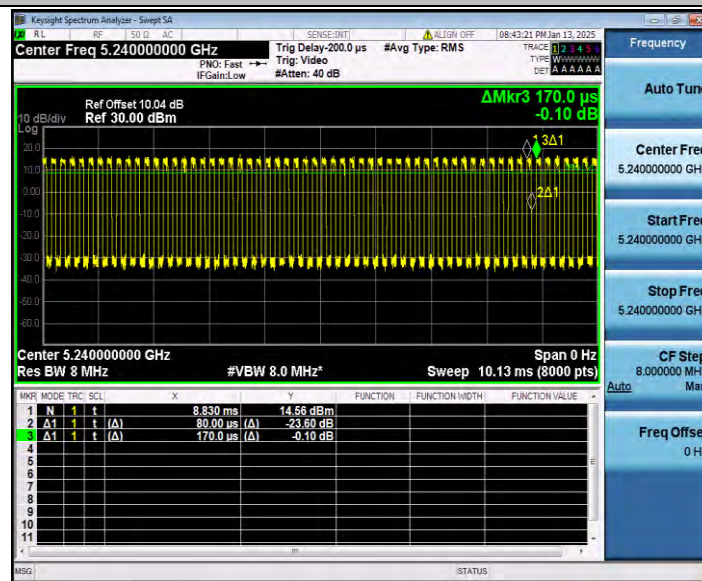
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	0.07	0.16	43.75	3.59	14.29
		5200	0.07	0.16	43.75	3.59	14.29
		5240	0.06	0.15	40.00	3.98	16.67
11N20SISO	Ant1	5180	0.08	0.17	47.06	3.27	12.50
		5200	0.08	0.17	47.06	3.27	12.50
		5240	0.08	0.17	47.06	3.27	12.50
11N40SISO	Ant1	5190	0.06	0.15	40.00	3.98	16.67
		5230	0.06	0.15	40.00	3.98	16.67
11AC20SISO	Ant1	5180	0.09	0.18	50.00	3.01	11.11
		5200	0.08	0.17	47.06	3.27	12.50
		5240	0.09	0.17	52.94	2.76	11.11
11AC40SISO	Ant1	5190	0.07	0.16	43.75	3.59	14.29
		5230	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant1	5210	0.06	0.15	40.00	3.98	16.67
11AX20SISO	Ant1	5180	0.09	0.18	50.00	3.01	11.11
		5200	0.09	0.18	50.00	3.01	11.11
		5240	0.09	0.18	50.00	3.01	11.11
11AX40SISO	Ant1	5190	0.09	0.18	50.00	3.01	11.11
		5230	0.08	0.18	44.44	3.52	12.50
11AX80SISO	Ant1	5210	0.07	0.16	43.75	3.59	14.29

Test Graphs

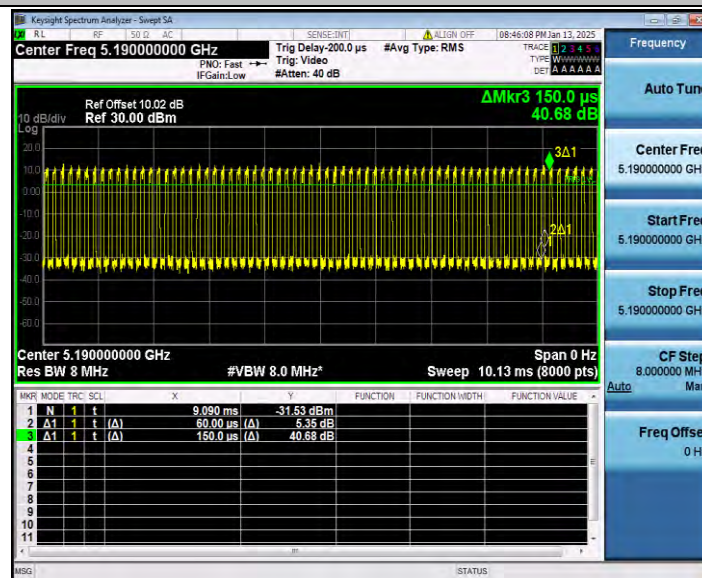




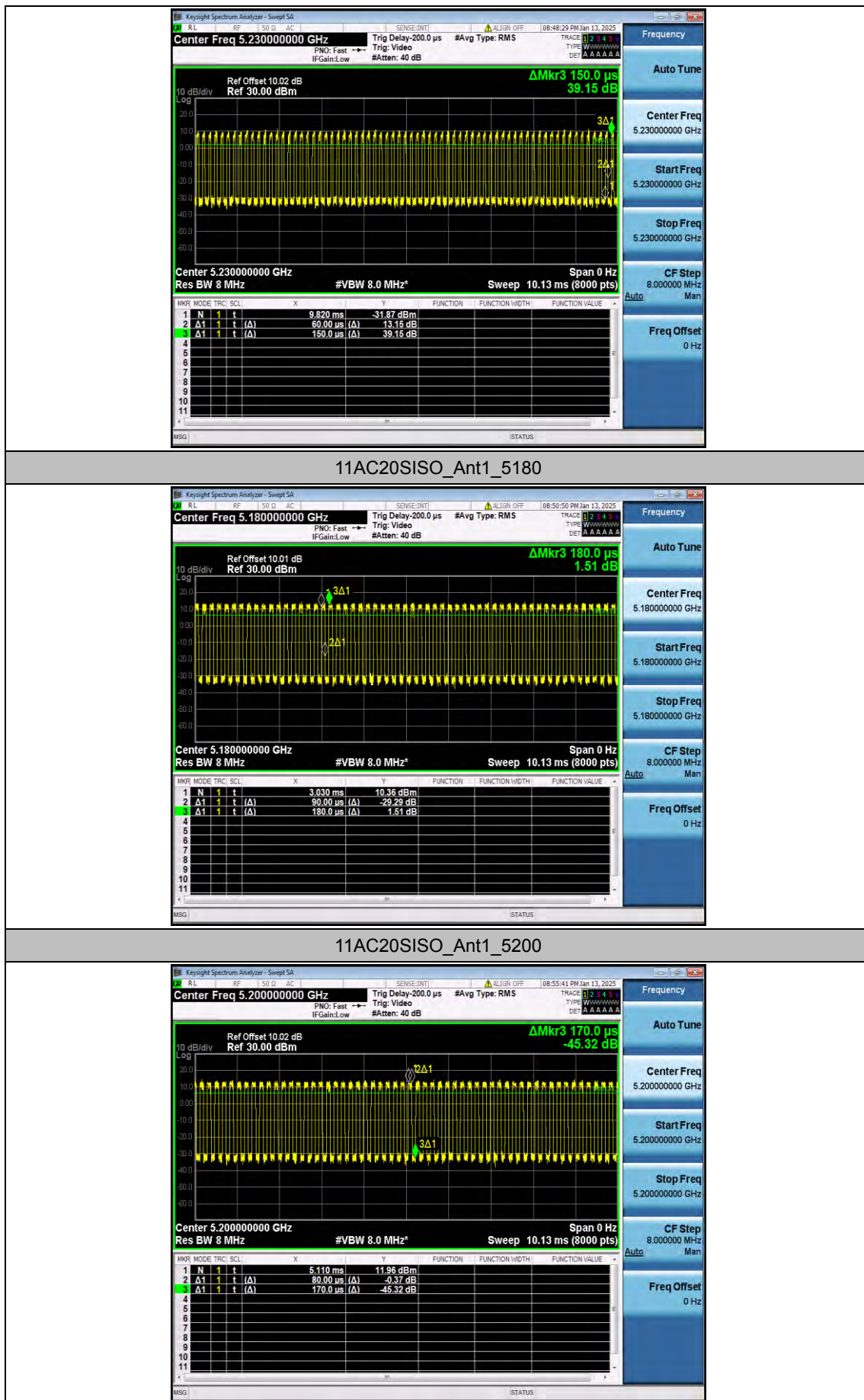
11N20SISO_Ant1_5240



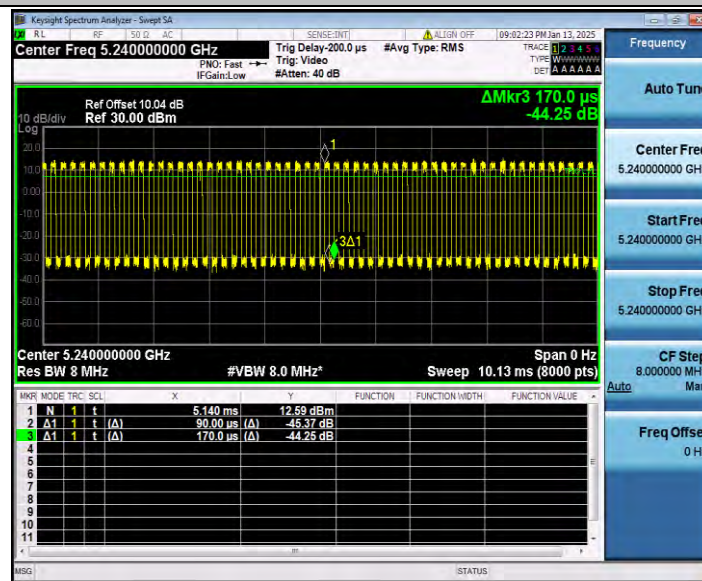
11N40SISO_Ant1_5190



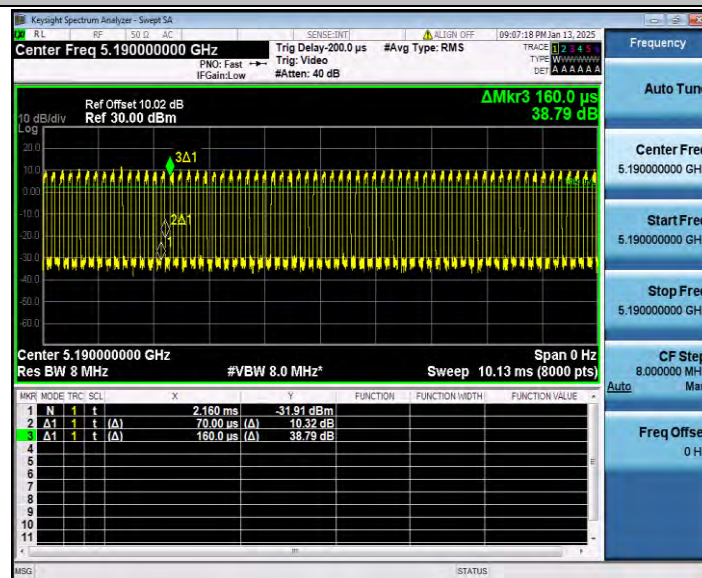
11N40SISO_Ant1_5230



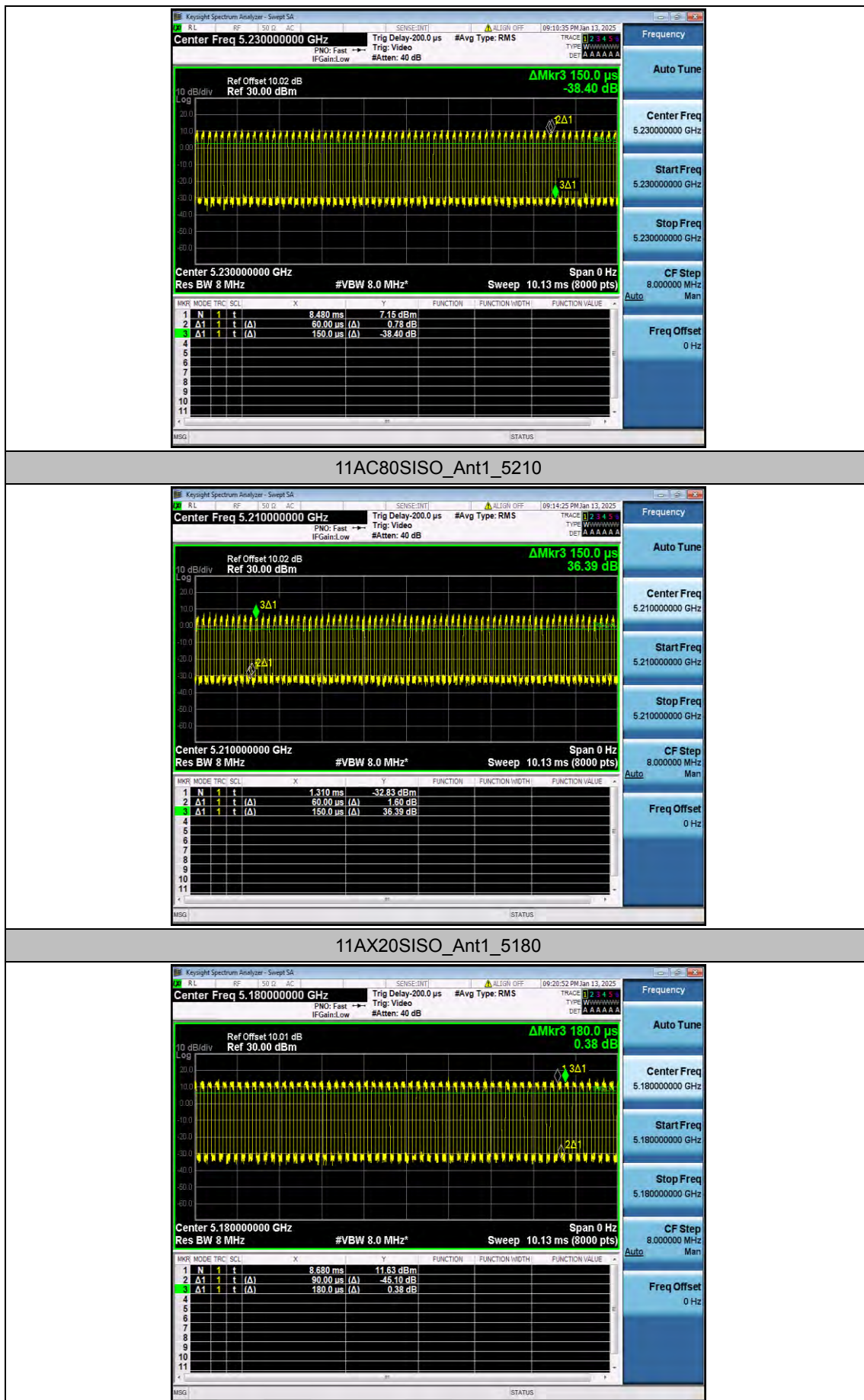
11AC20SISO_Ant1_5240



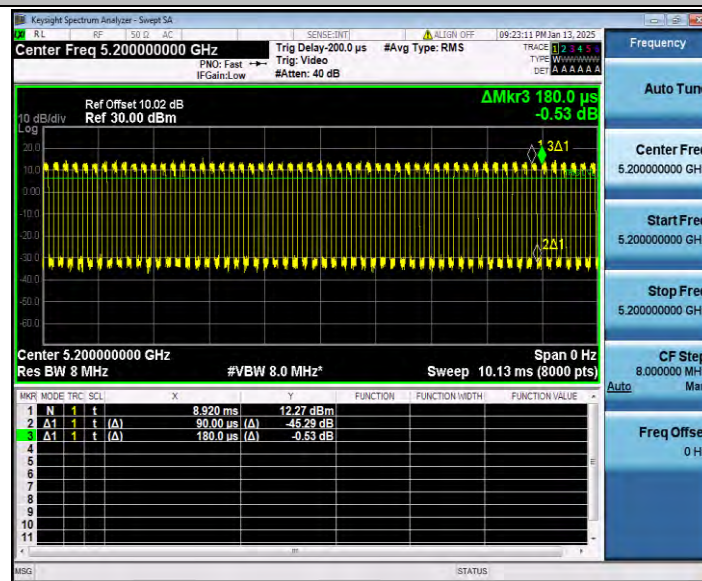
11AC40SISO_Ant1_5190



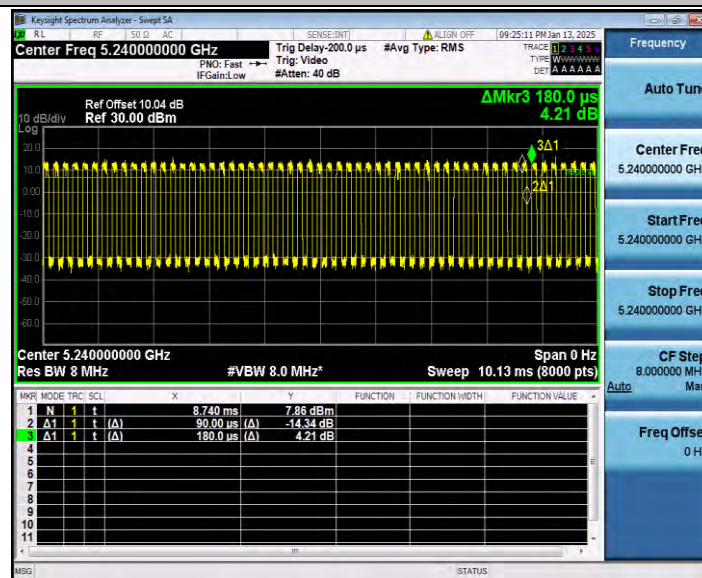
11AC40SISO_Ant1_5230



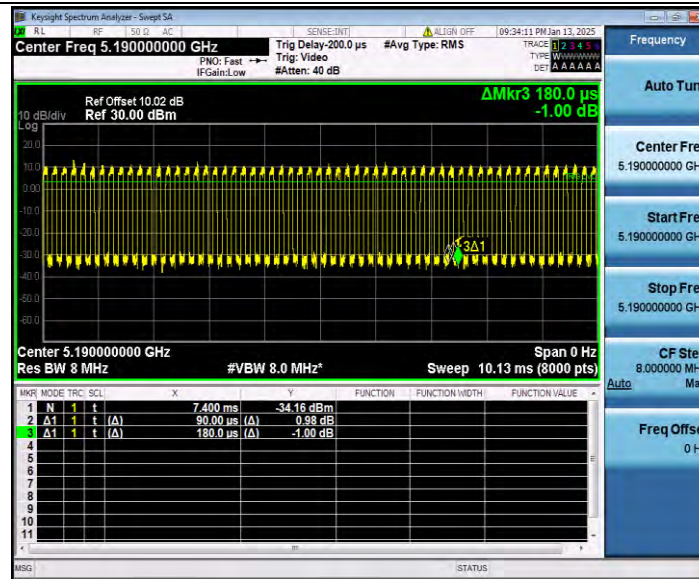
11AX20SISO_Ant1_5200



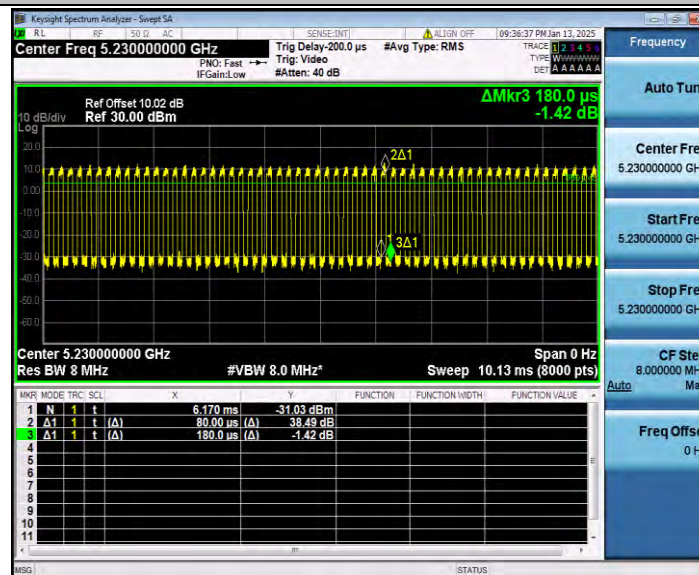
11AX20SISO_Ant1_5240



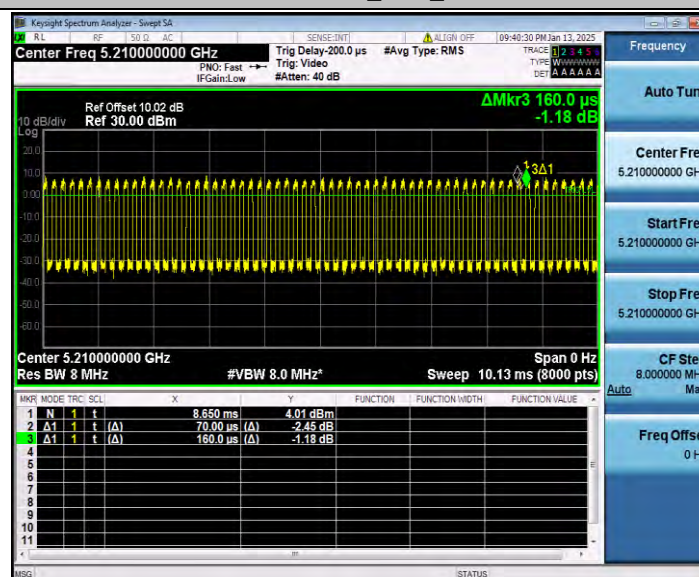
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



Appendix D.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	10.90	43.75	3.59	14.49	≤23.98	PASS
		5200	10.84	43.75	3.59	14.43	≤23.98	PASS
		5240	11.01	40.00	3.98	14.99	≤23.98	PASS
11N20SISO	Ant1	5180	13.73	47.06	3.27	17.00	≤23.98	PASS
		5200	13.78	47.06	3.27	17.05	≤23.98	PASS
		5240	13.96	47.06	3.27	17.23	≤23.98	PASS
11N40SISO	Ant1	5190	12.29	40.00	3.98	16.27	≤23.98	PASS
		5230	10.46	40.00	3.98	14.44	≤23.98	PASS
11AC20SISO	Ant1	5180	11.78	50.00	3.01	14.79	≤23.98	PASS
		5200	11.70	47.06	3.27	14.97	≤23.98	PASS
		5240	12.38	52.94	2.76	15.14	≤23.98	PASS
11AC40SISO	Ant1	5190	10.62	43.75	3.59	14.21	≤23.98	PASS
		5230	10.84	40.00	3.98	14.82	≤23.98	PASS
11AC80SISO	Ant1	5210	10.53	40.00	3.98	14.51	≤23.98	PASS
11AX20SISO	Ant1	5180	11.72	50.00	3.01	14.73	≤23.98	PASS
		5200	11.96	50.00	3.01	14.97	≤23.98	PASS
		5240	12.12	50.00	3.01	15.13	≤23.98	PASS
11AX40SISO	Ant1	5190	11.59	50.00	3.01	14.60	≤23.98	PASS
		5230	11.93	44.44	3.52	15.45	≤23.98	PASS
11AX80SISO	Ant1	5210	11.81	43.75	3.59	15.40	≤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	3.63	≤11.00	PASS
		5200	3.64	≤11.00	PASS
		5240	4.29	≤11.00	PASS
11N20SISO	Ant1	5180	5.86	≤11.00	PASS
		5200	6.00	≤11.00	PASS
		5240	6.24	≤11.00	PASS
11N40SISO	Ant1	5190	2.79	≤11.00	PASS
		5230	1.08	≤11.00	PASS
11AC20SISO	Ant1	5180	3.77	≤11.00	PASS
		5200	4.02	≤11.00	PASS
		5240	4.18	≤11.00	PASS
11AC40SISO	Ant1	5190	0.73	≤11.00	PASS
		5230	1.61	≤11.00	PASS
11AC80SISO	Ant1	5210	-2.27	≤11.00	PASS
11AX20SISO	Ant1	5180	3.80	≤11.00	PASS
		5200	3.98	≤11.00	PASS
		5240	4.30	≤11.00	PASS
11AX40SISO	Ant1	5190	0.76	≤11.00	PASS
		5230	1.69	≤11.00	PASS
11AX80SISO	Ant1	5210	-1.43	≤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



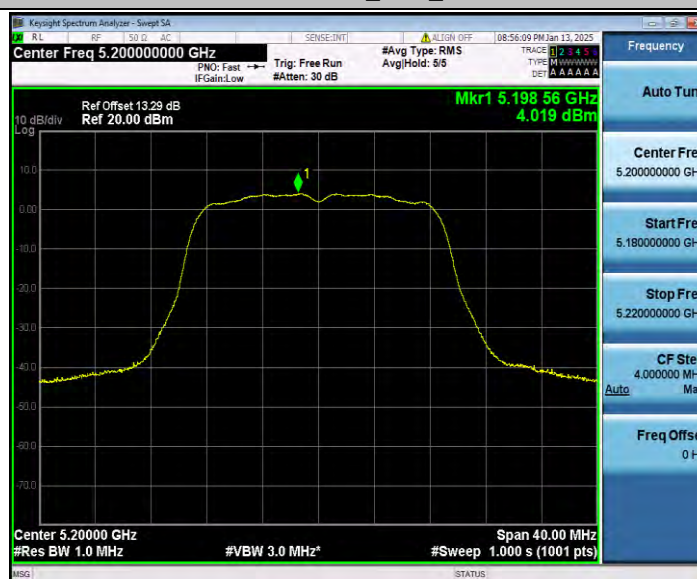
11N40SISO_Ant1_5230



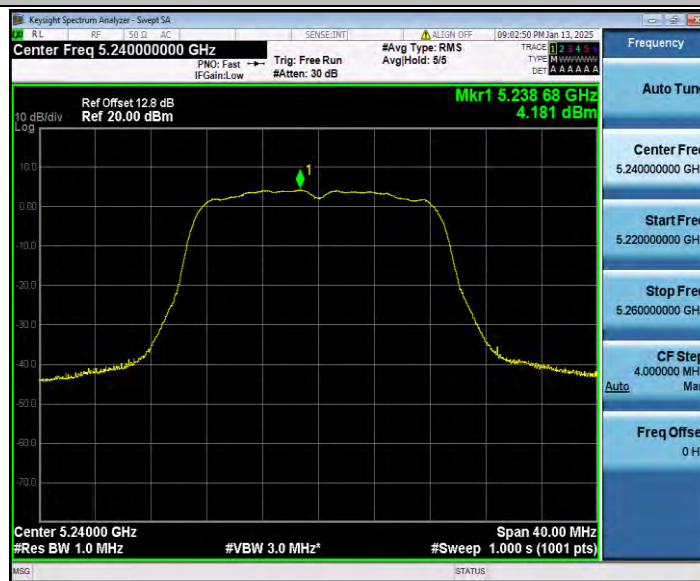
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



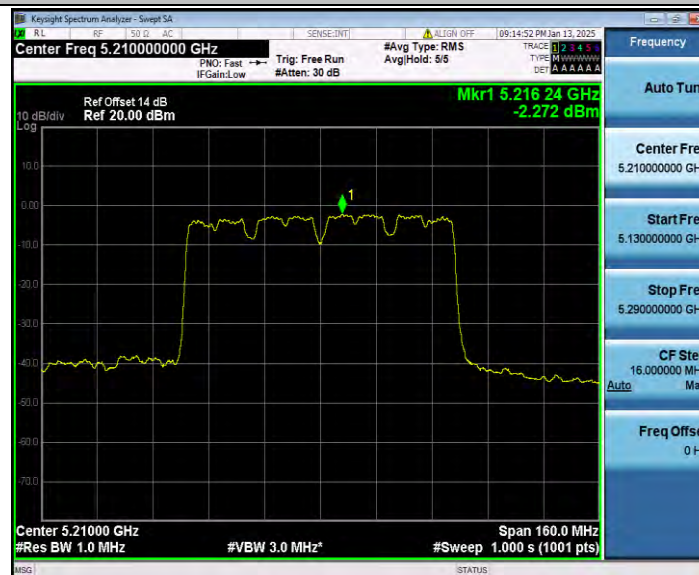
11AC40SISO_Ant1_5190



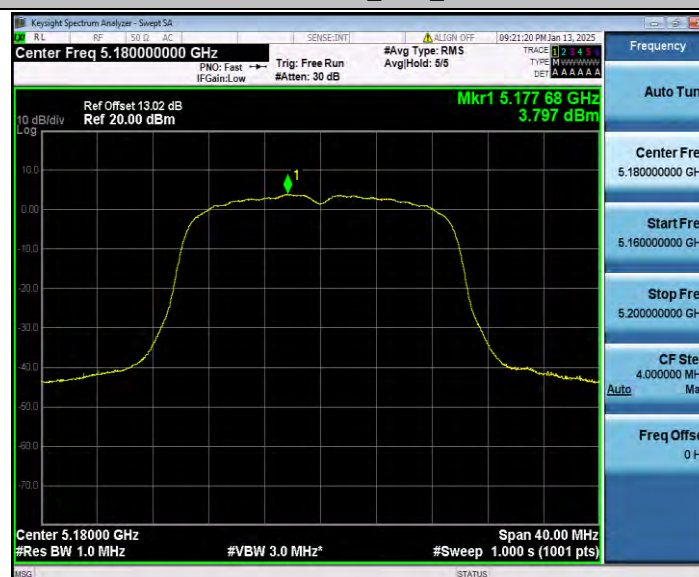
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



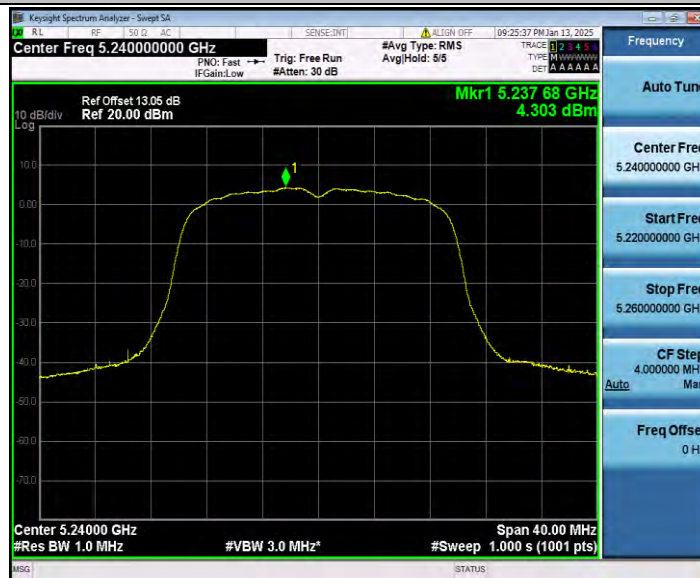
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

