

Case No. : <u>GTS20230210003-1-6</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.2.27</u>	Test Engineer: <u>Jenny zeng</u>

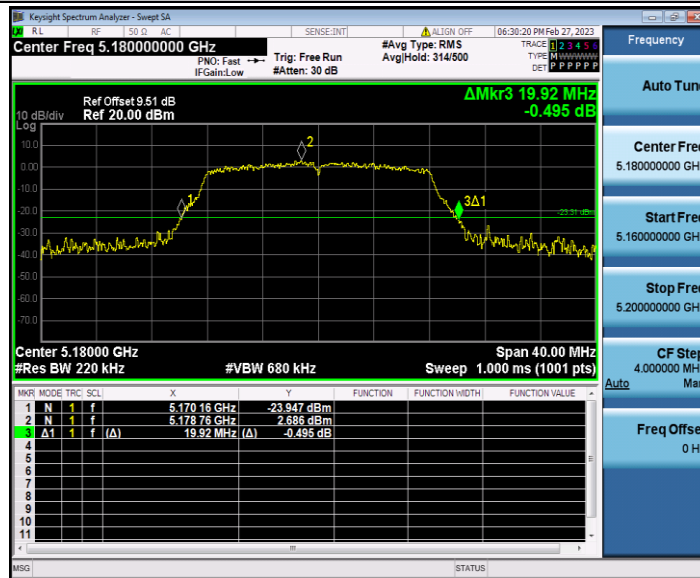
Appendix D.1: Emission Bandwidth

Test Result

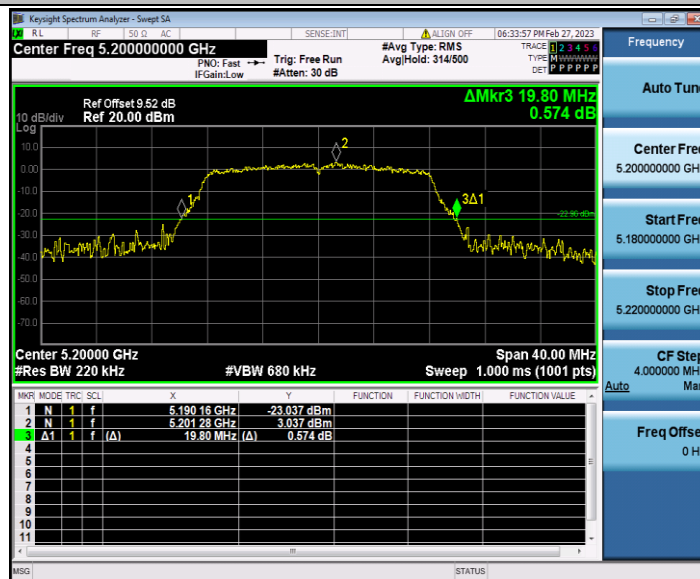
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.920	5170.160	5190.080	---	---
		5200	19.800	5190.160	5209.960	---	---
		5240	20.000	5230.000	5250.000	---	---
11N20SISO	Ant1	5180	22.960	5168.200	5191.160	---	---
		5200	23.720	5187.280	5211.000	---	---
		5240	23.880	5227.280	5251.160	---	---
11N40SISO	Ant1	5190	40.640	5169.760	5210.400	---	---
		5230	40.400	5209.760	5250.160	---	---
11AC20SISO	Ant1	5180	20.040	5170.000	5190.040	---	---
		5200	20.240	5189.920	5210.160	---	---
		5240	20.320	5229.840	5250.160	---	---
11AC40SISO	Ant1	5190	40.240	5169.920	5210.160	---	---
		5230	40.400	5209.760	5250.160	---	---
11AC80SISO	Ant1	5210	80.800	5169.520	5250.320	---	---

Test Graphs

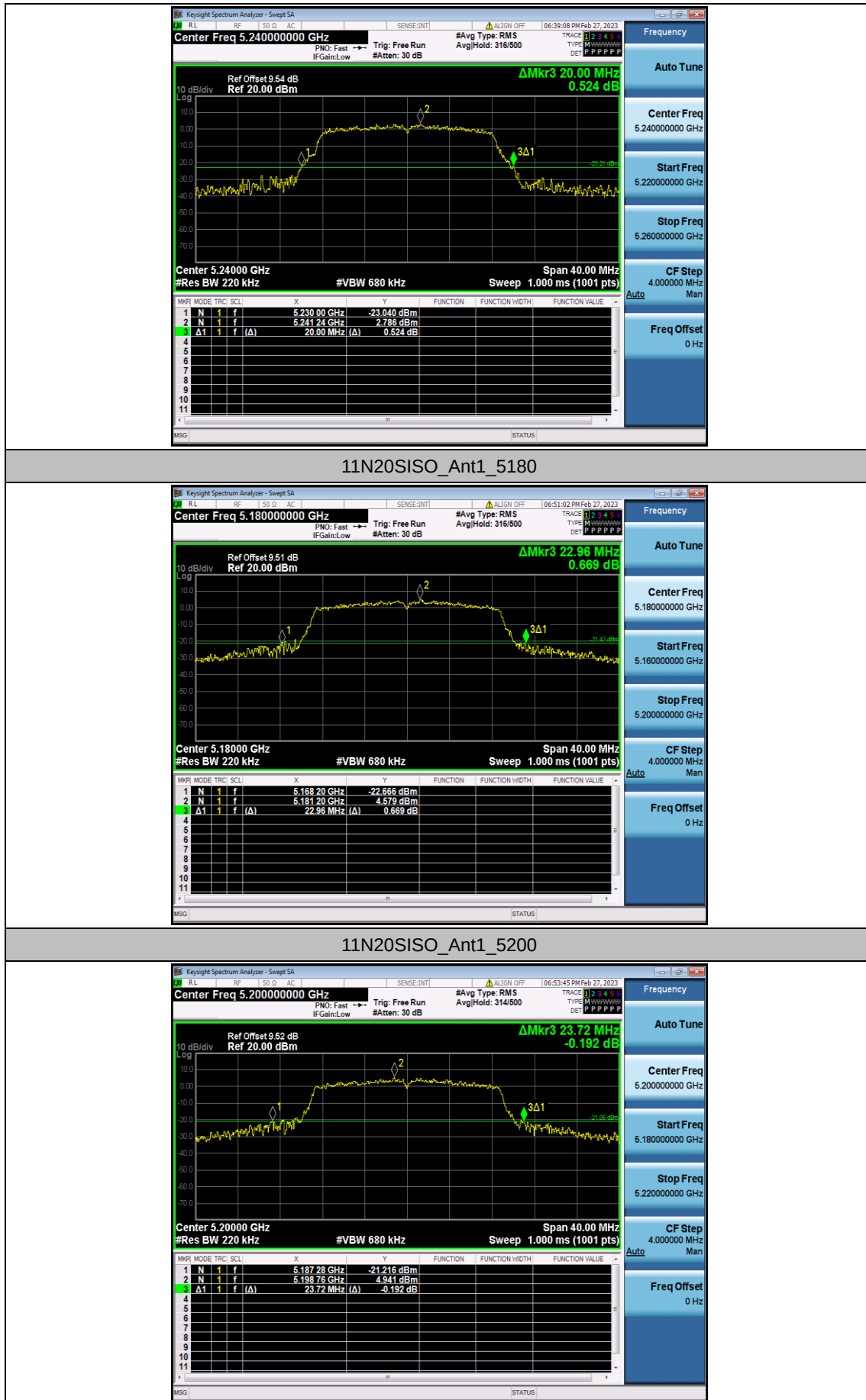
11A_Ant1_5180



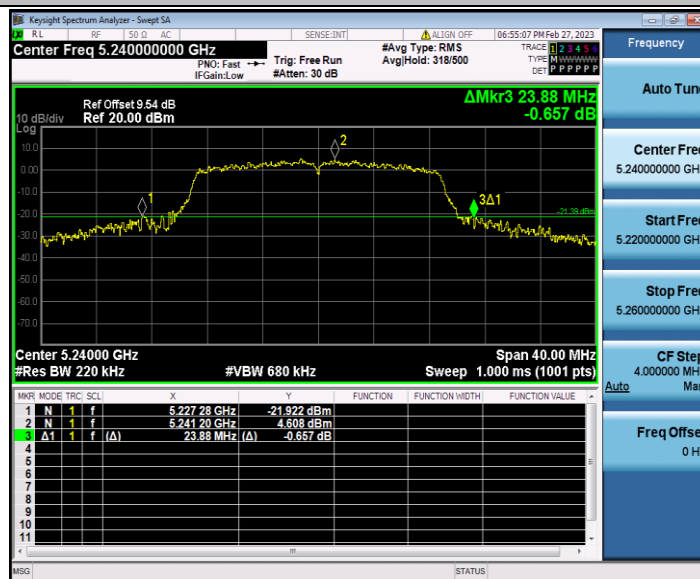
11A_Ant1_5200



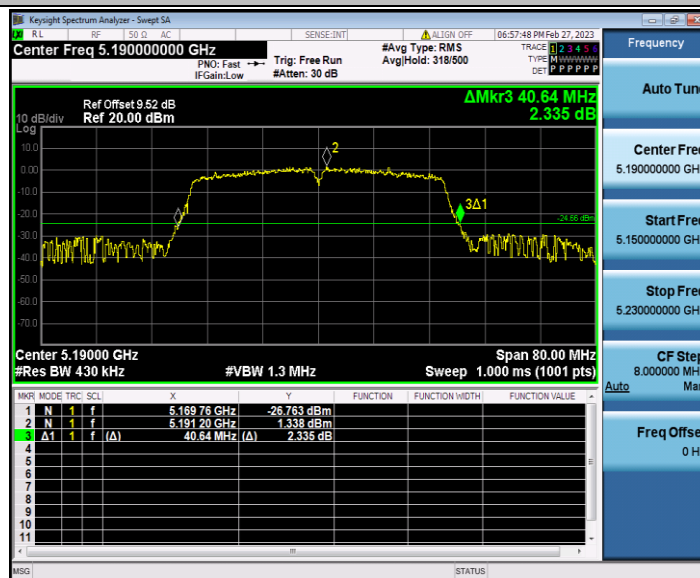
11A_Ant1_5240



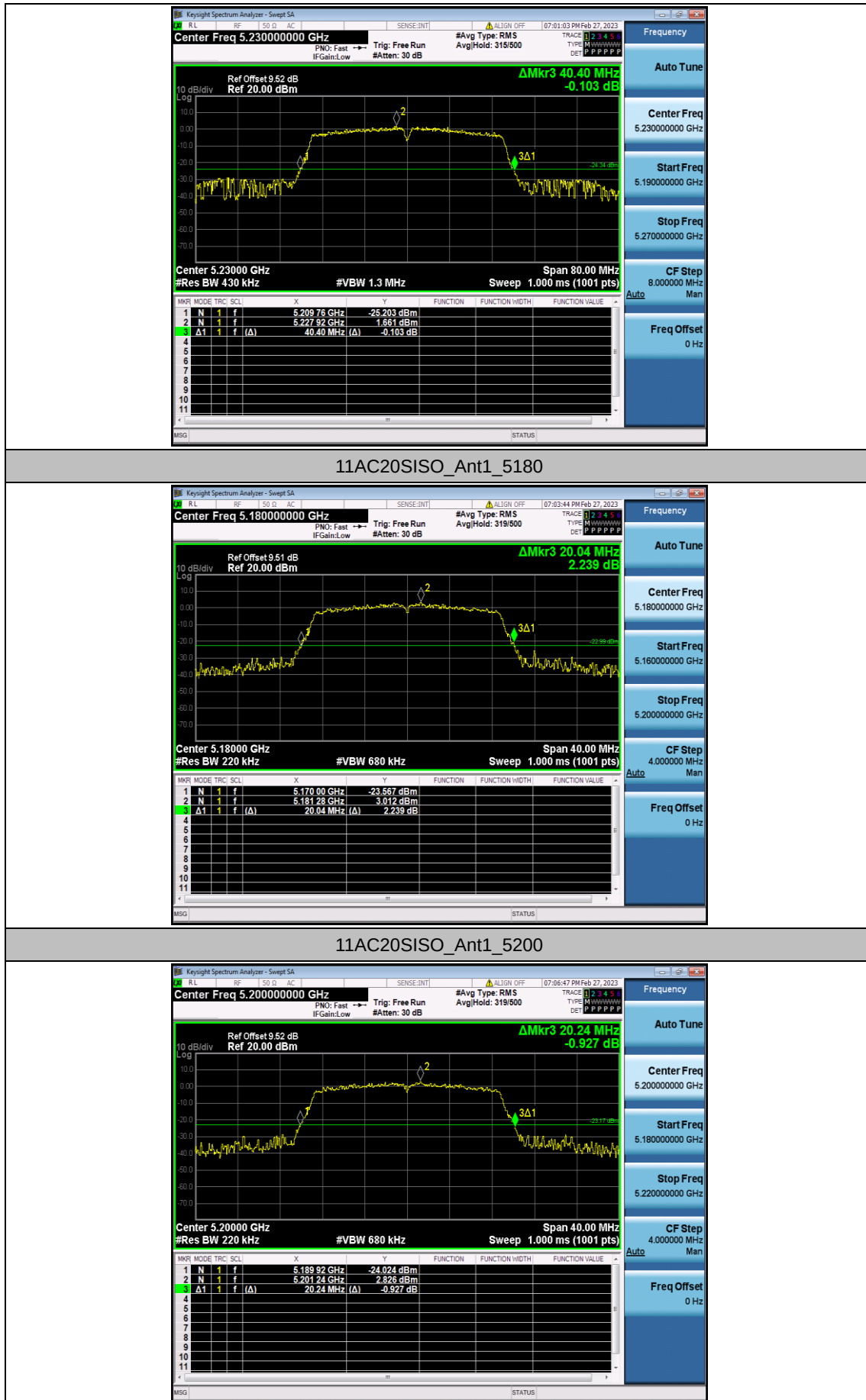
11N20SISO_Ant1_5240



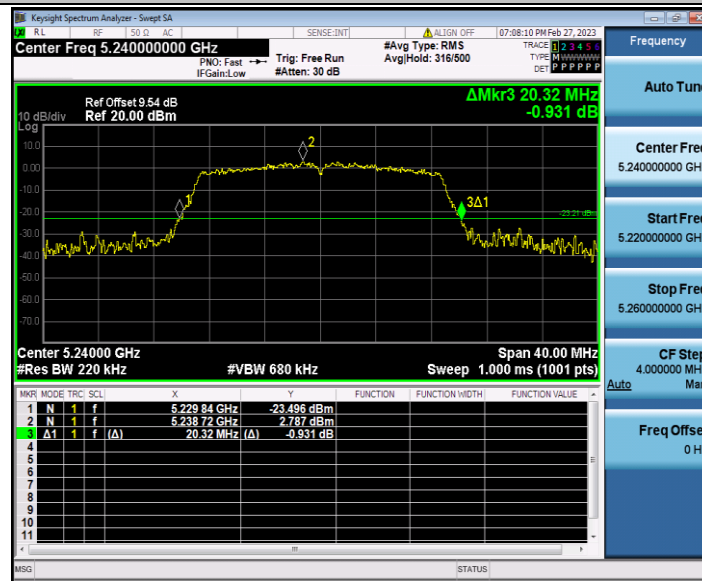
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



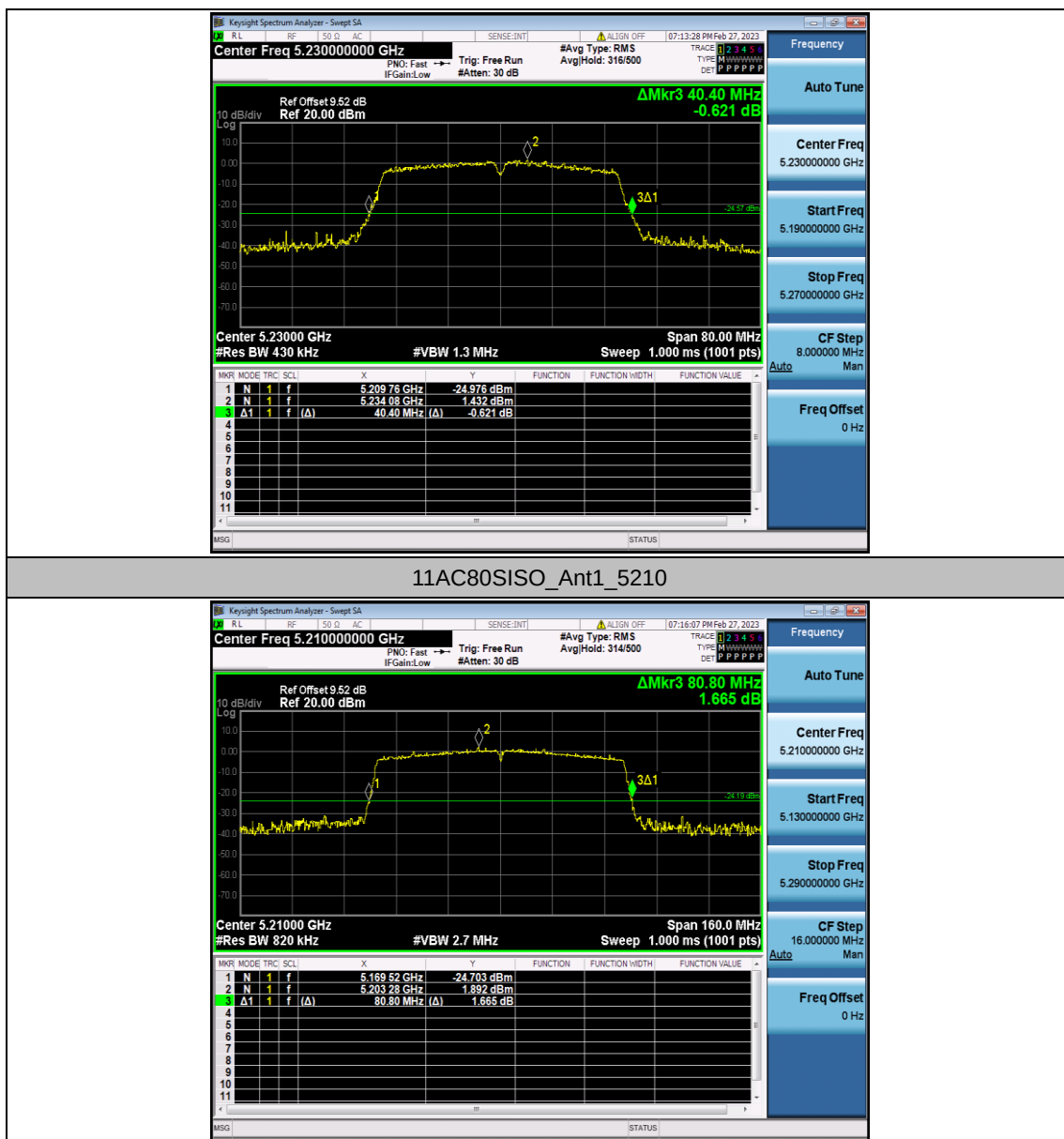
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

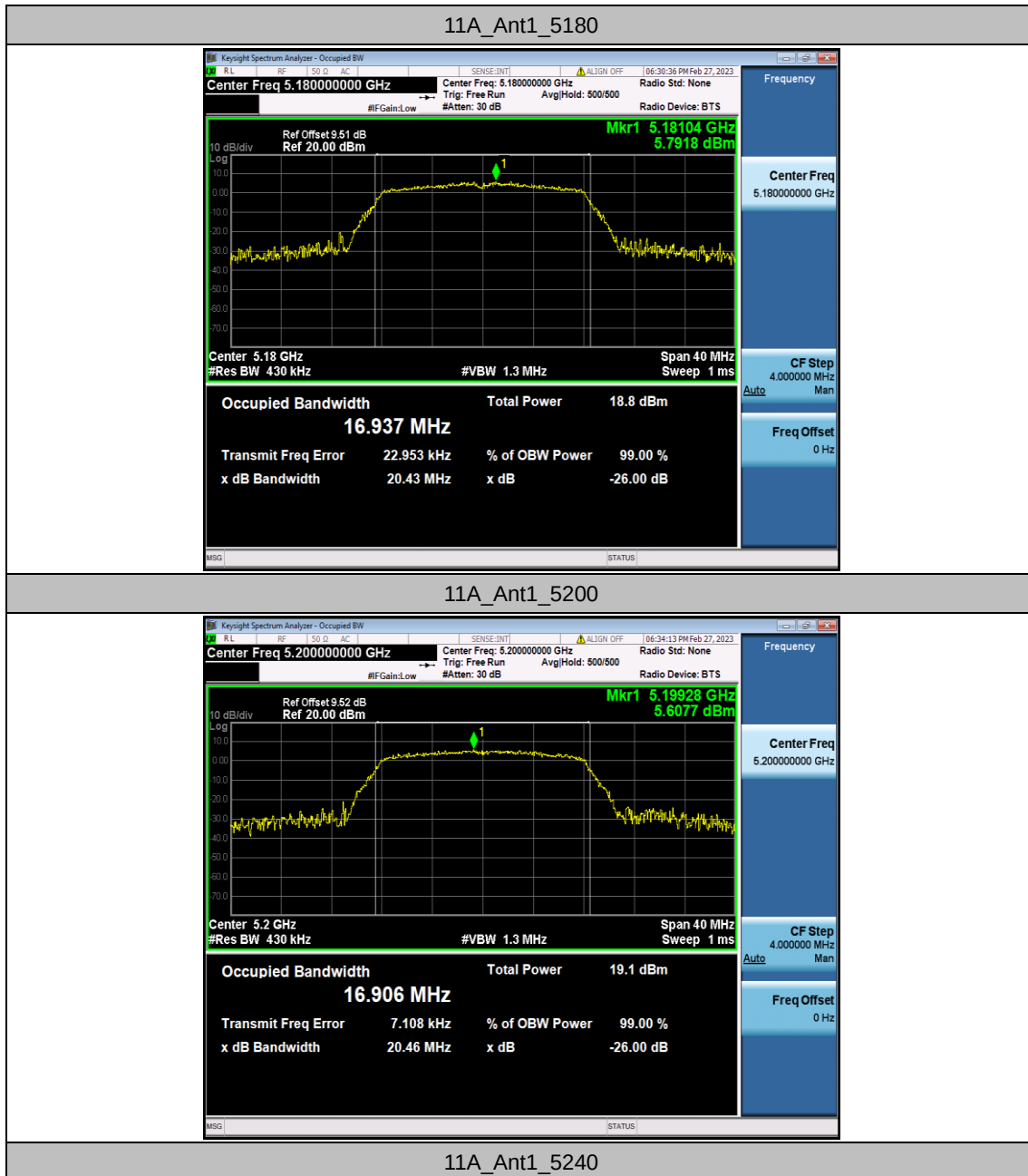


Appendix D.2: Occupied channel bandwidth

Test Result

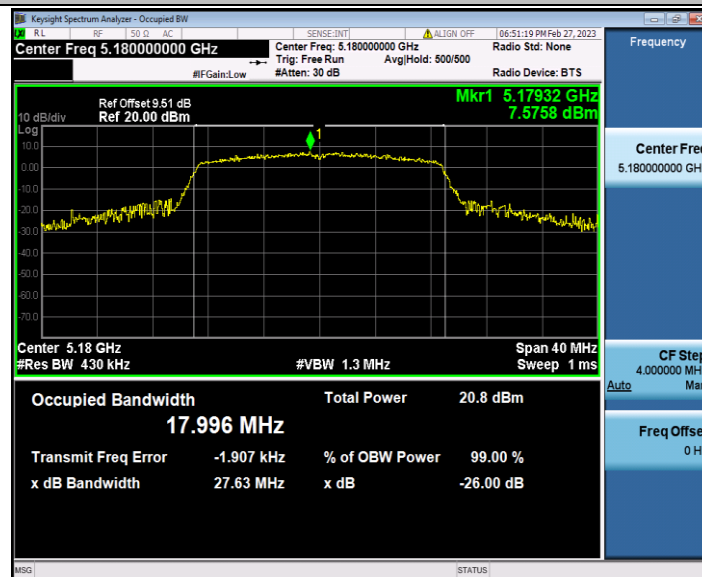
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.937	5171.554	5188.491	---	---
		5200	16.906	5191.554	5208.460	---	---
		5240	16.906	5231.505	5248.411	---	---
11N20SISO	Ant1	5180	17.996	5171.000	5188.996	---	---
		5200	18.038	5190.973	5209.011	---	---
		5240	18.038	5230.935	5248.973	---	---
11N40SISO	Ant1	5190	36.384	5171.797	5208.181	---	---
		5230	36.356	5211.755	5248.111	---	---
11AC20SISO	Ant1	5180	17.855	5171.092	5188.947	---	---
		5200	17.846	5191.108	5208.954	---	---
		5240	17.868	5231.051	5248.919	---	---
11AC40SISO	Ant1	5190	36.286	5171.896	5208.182	---	---
		5230	36.260	5211.824	5248.084	---	---
11AC80SISO	Ant1	5210	75.143	5172.419	5247.562	---	---

Test Graphs

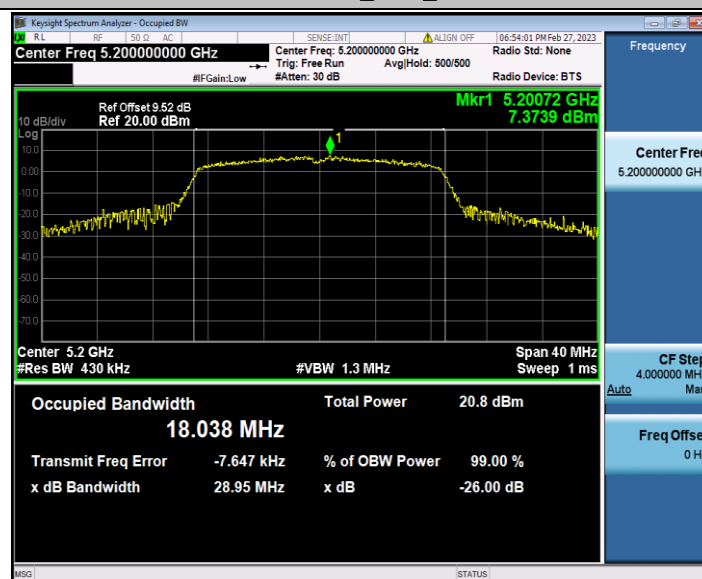




11N20SISO_Ant1_5180



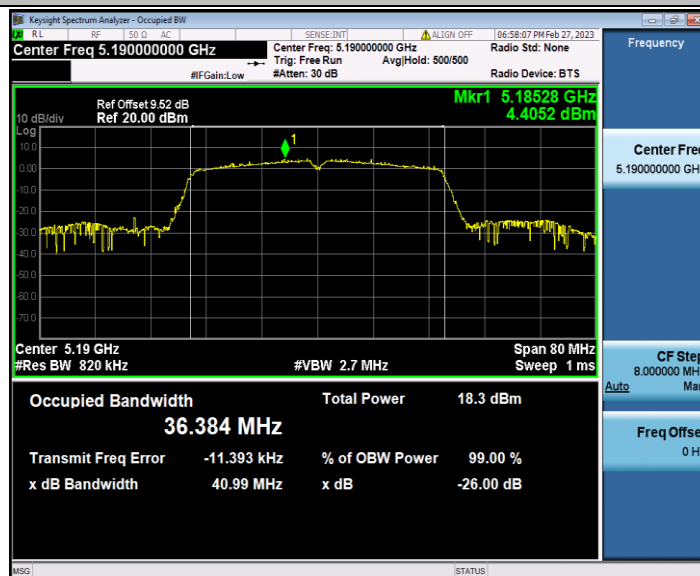
11N20SISO_Ant1_5200



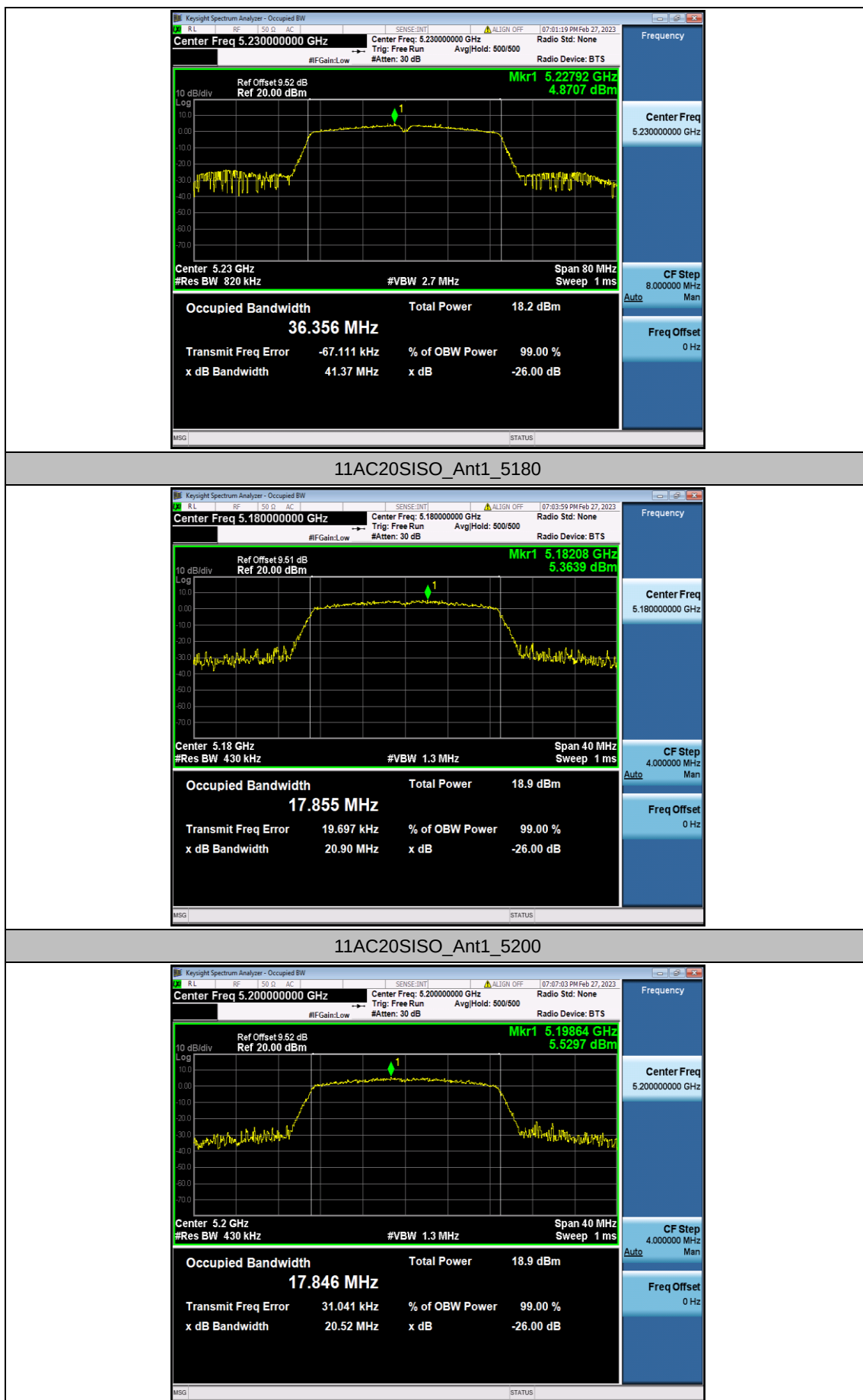
11N20SISO_Ant1_5240



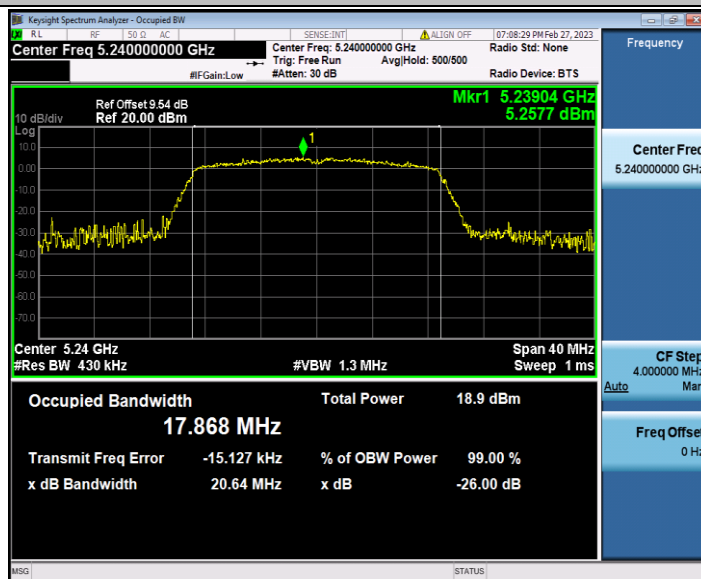
11N40SISO_Ant1_5190



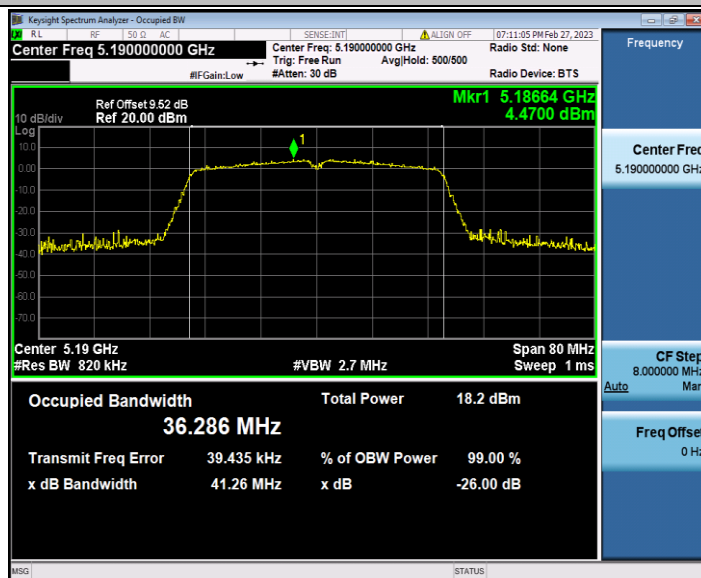
11N40SISO_Ant1_5230



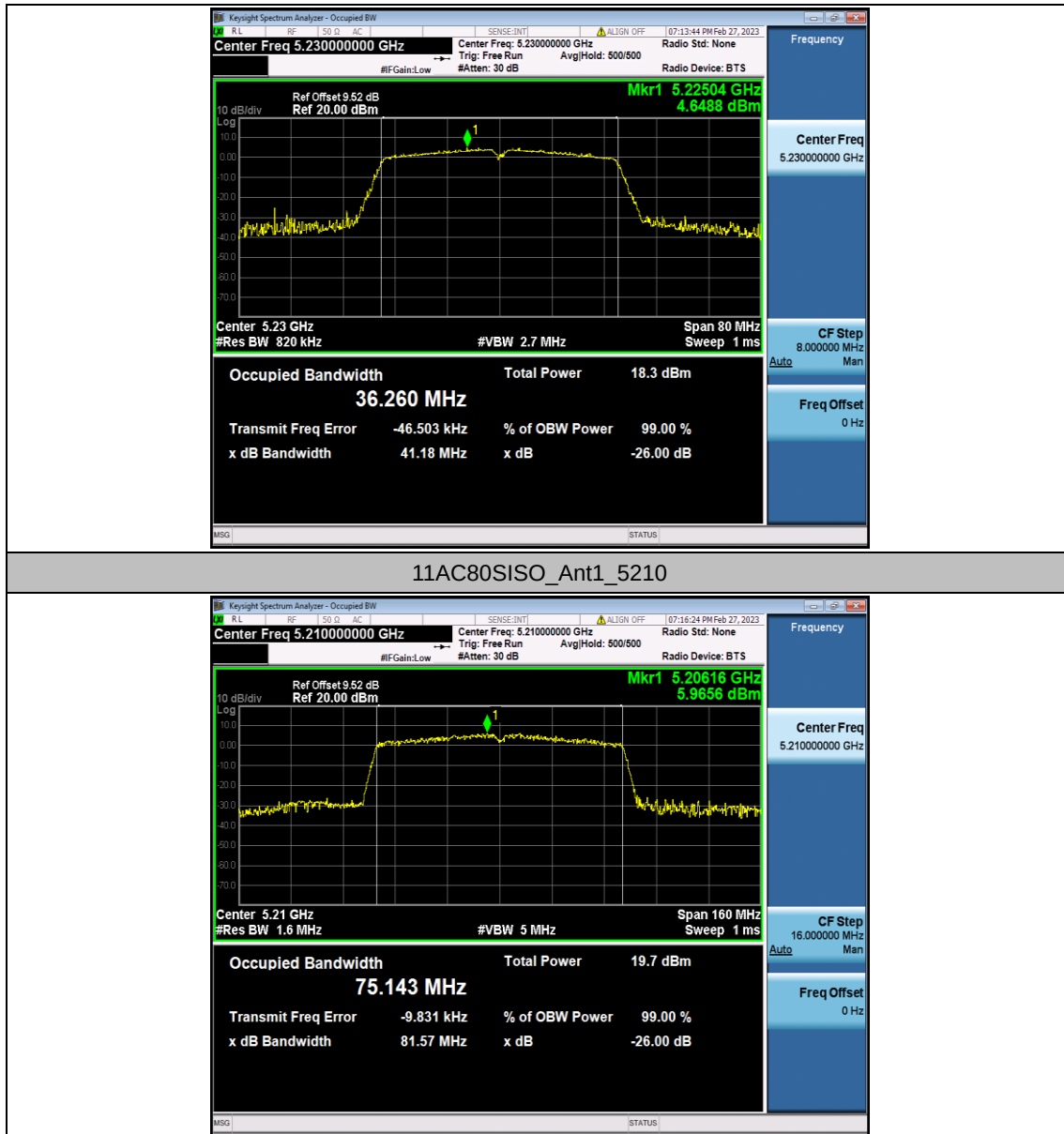
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



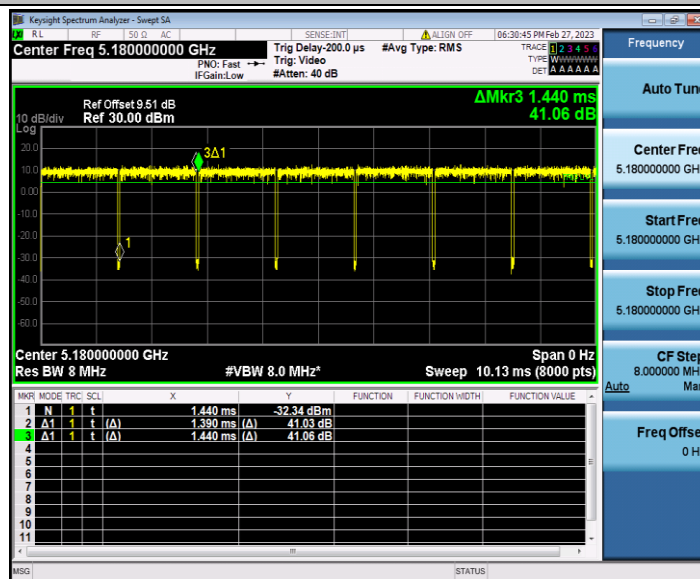
Appendix D.3: Duty Cycle

Test Result

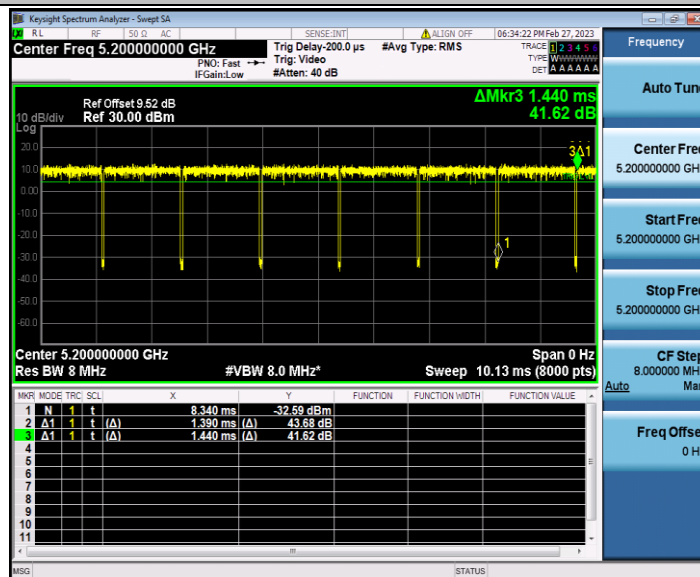
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5180	1.39	1.44	96.53	0.15
		5200	1.39	1.44	96.53	0.15
		5240	1.39	1.44	96.53	0.15
11N20SISO	Ant1	5180	1.30	1.35	96.30	0.16
		5200	1.30	1.34	97.01	0.13
		5240	1.30	1.34	97.01	0.13
11N40SISO	Ant1	5190	0.64	0.69	92.75	0.33
		5230	0.65	0.69	94.20	0.26
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.16
		5200	1.31	1.36	96.32	0.16
		5240	1.31	1.35	97.04	0.13
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26
		5230	0.65	0.69	94.20	0.26
11AC80SISO	Ant1	5210	0.32	0.36	88.89	0.51

Test Graphs

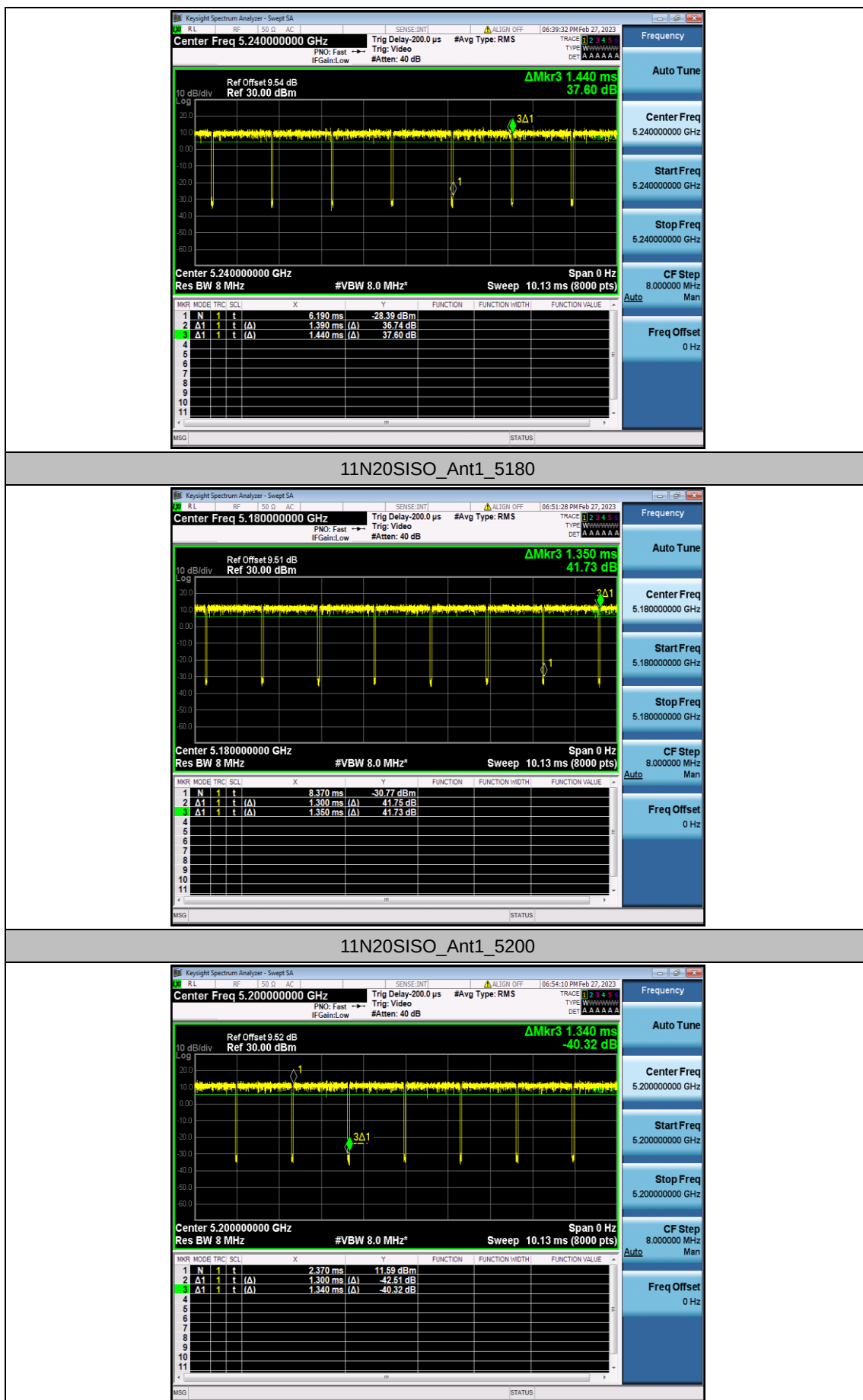
11A_Ant1_5180



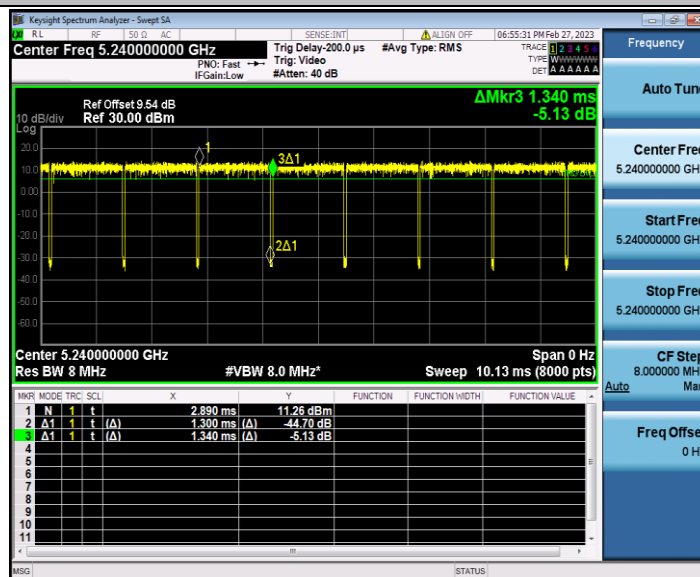
11A_Ant1_5200



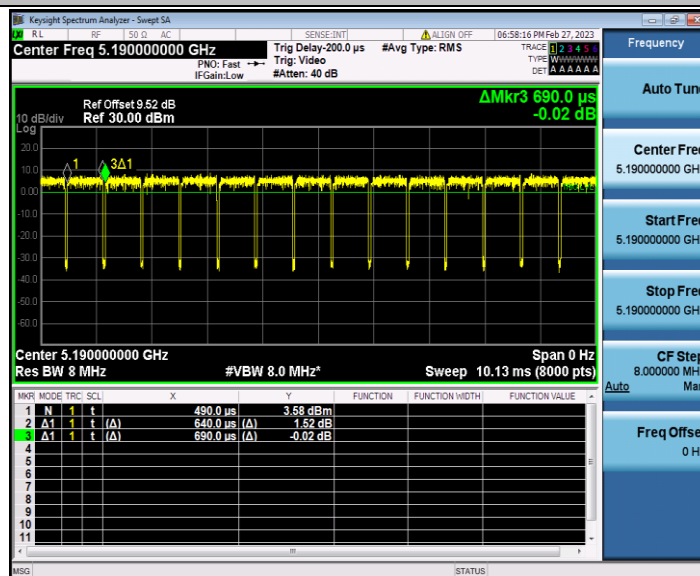
11A_Ant1_5240



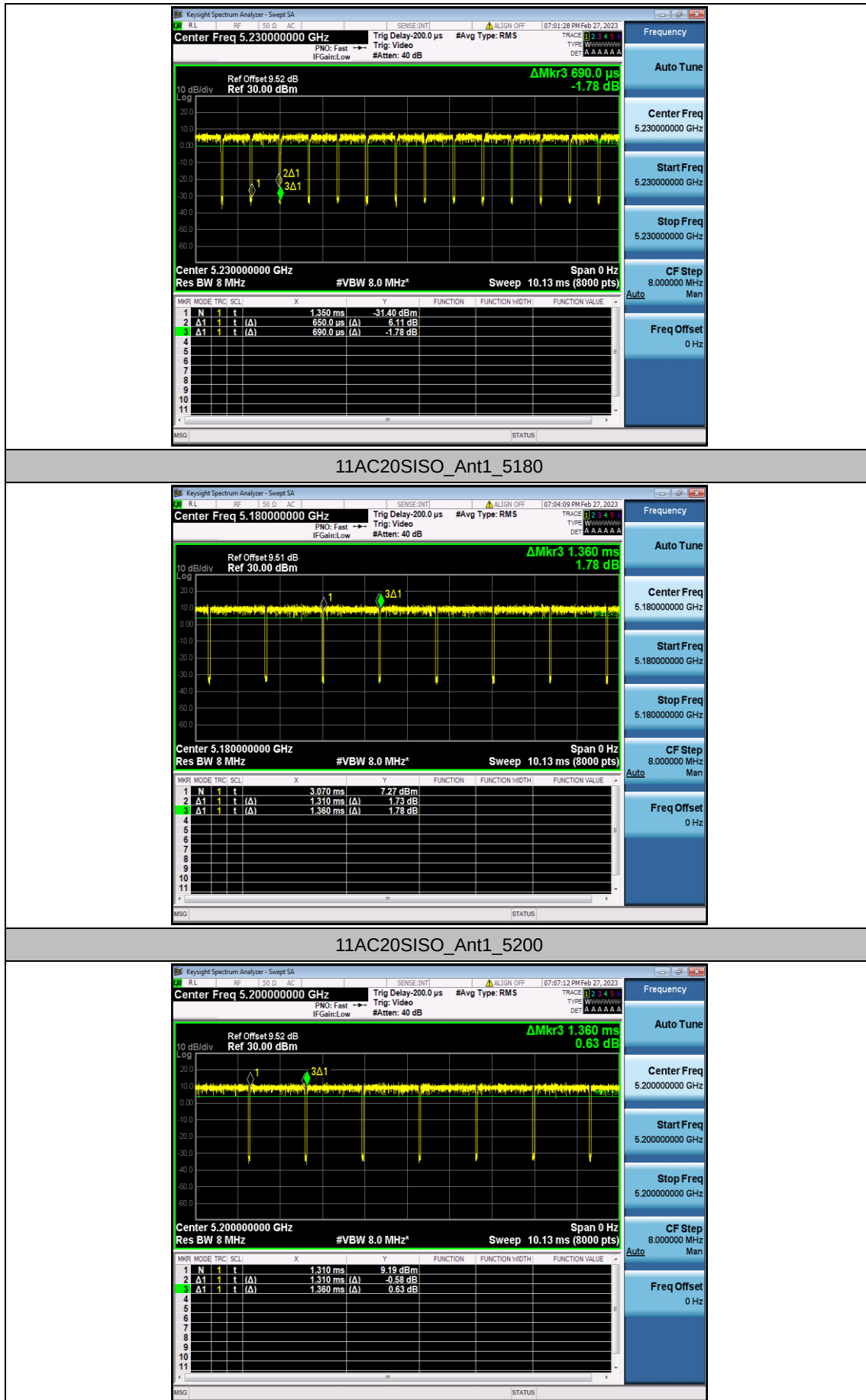
11N20SISO_Ant1_5240



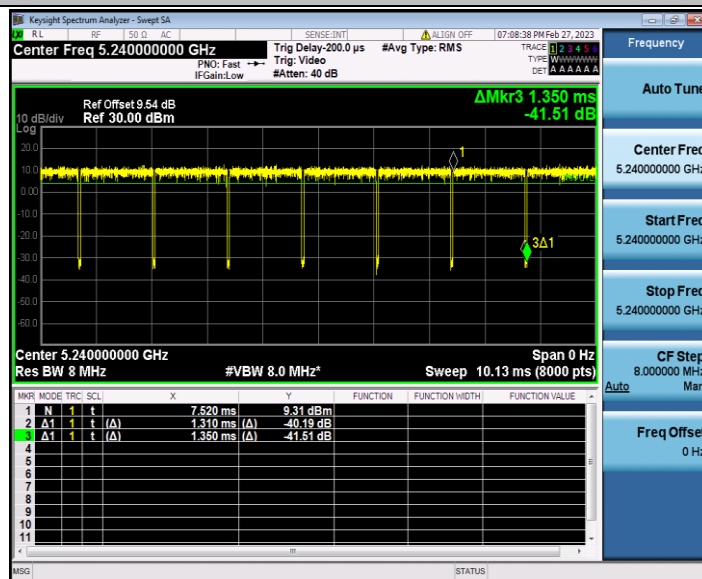
11N40SISO_Ant1_5190



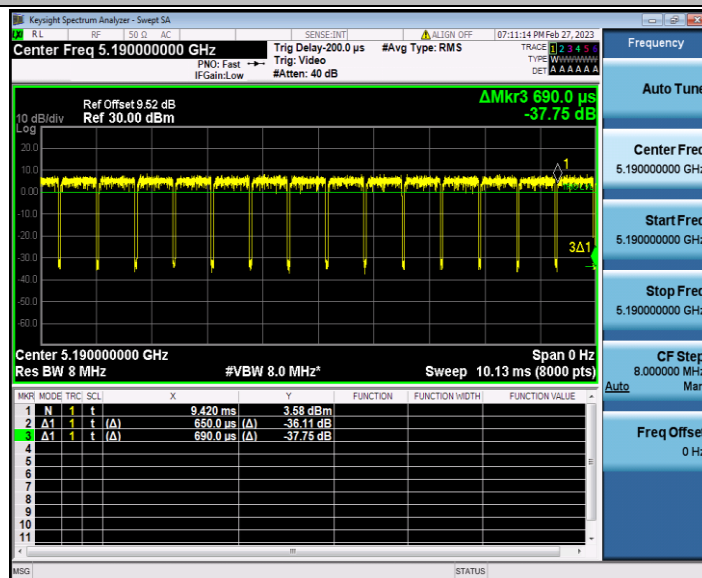
11N40SISO_Ant1_5230



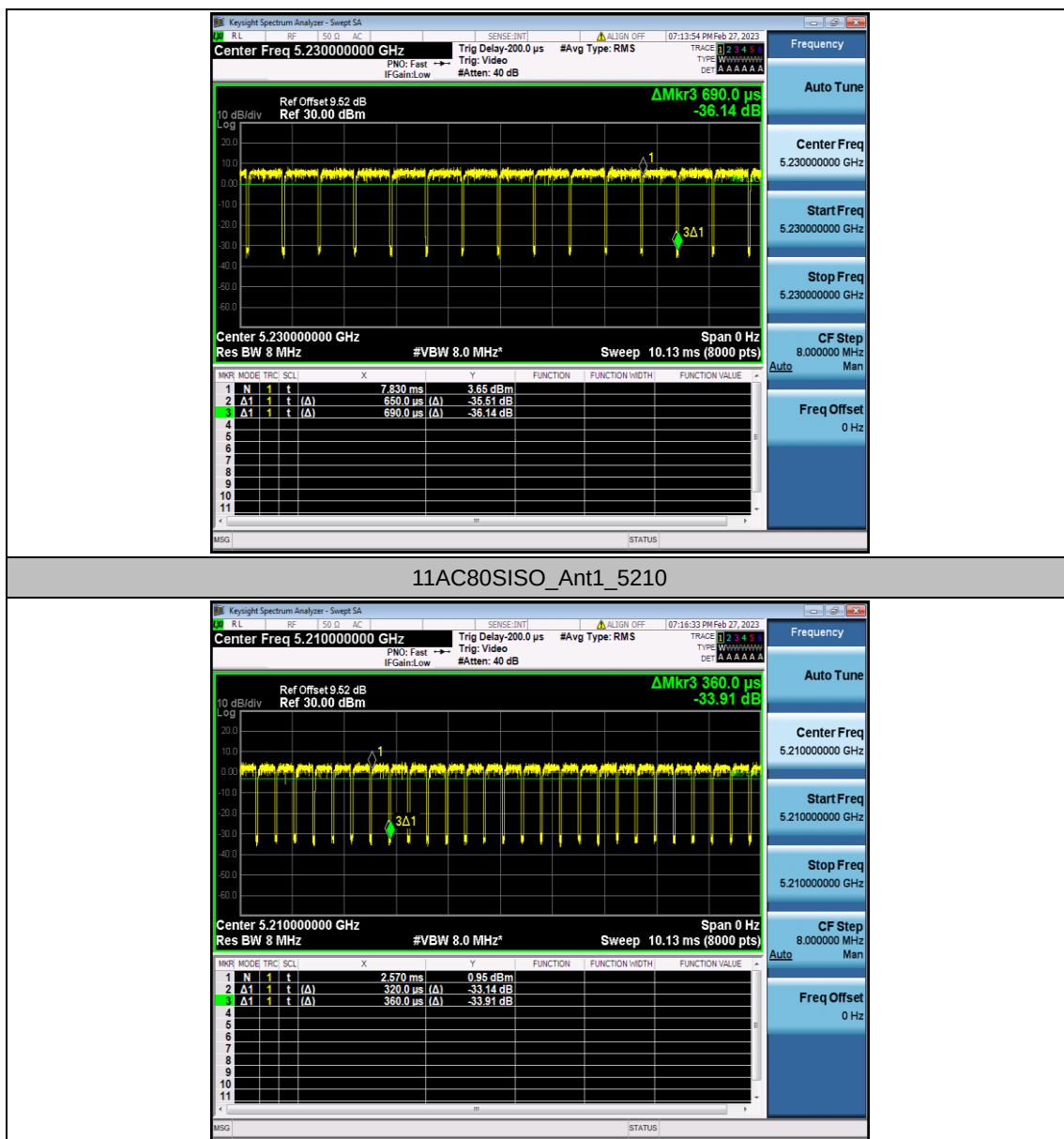
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power[dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.11	96.53	0.15	12.26	≤23.98	PASS
		5200	12.13	96.53	0.15	12.28	≤23.98	PASS
		5240	12.17	96.53	0.15	12.32	≤23.98	PASS
11N20SISO	Ant1	5180	13.94	96.30	0.16	14.10	≤23.98	PASS
		5200	13.84	97.01	0.13	13.97	≤23.98	PASS
		5240	13.92	97.01	0.13	14.05	≤23.98	PASS
11N40SISO	Ant1	5190	10.62	92.75	0.33	10.95	≤23.98	PASS
		5230	10.59	94.20	0.26	10.85	≤23.98	PASS
11AC20SISO	Ant1	5180	11.99	96.32	0.16	12.15	≤23.98	PASS
		5200	12.05	96.32	0.16	12.21	≤23.98	PASS
		5240	11.99	97.04	0.13	12.12	≤23.98	PASS
11AC40SISO	Ant1	5190	10.55	94.20	0.26	10.81	≤23.98	PASS
		5230	10.76	94.20	0.26	11.02	≤23.98	PASS
11AC80SISO	Ant1	5210	10.20	88.89	0.51	10.71	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.59	≤11.00	PASS
		5200	1.67	≤11.00	PASS
		5240	1.92	≤11.00	PASS
11N20SISO	Ant1	5180	3.25	≤11.00	PASS
		5200	3.36	≤11.00	PASS
		5240	3.35	≤11.00	PASS
11N40SISO	Ant1	5190	-2.59	≤11.00	PASS
		5230	-2.67	≤11.00	PASS
11AC20SISO	Ant1	5180	1.31	≤11.00	PASS
		5200	1.4	≤11.00	PASS
		5240	1.57	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.72	≤11.00	PASS
		5230	-2.47	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.71	≤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

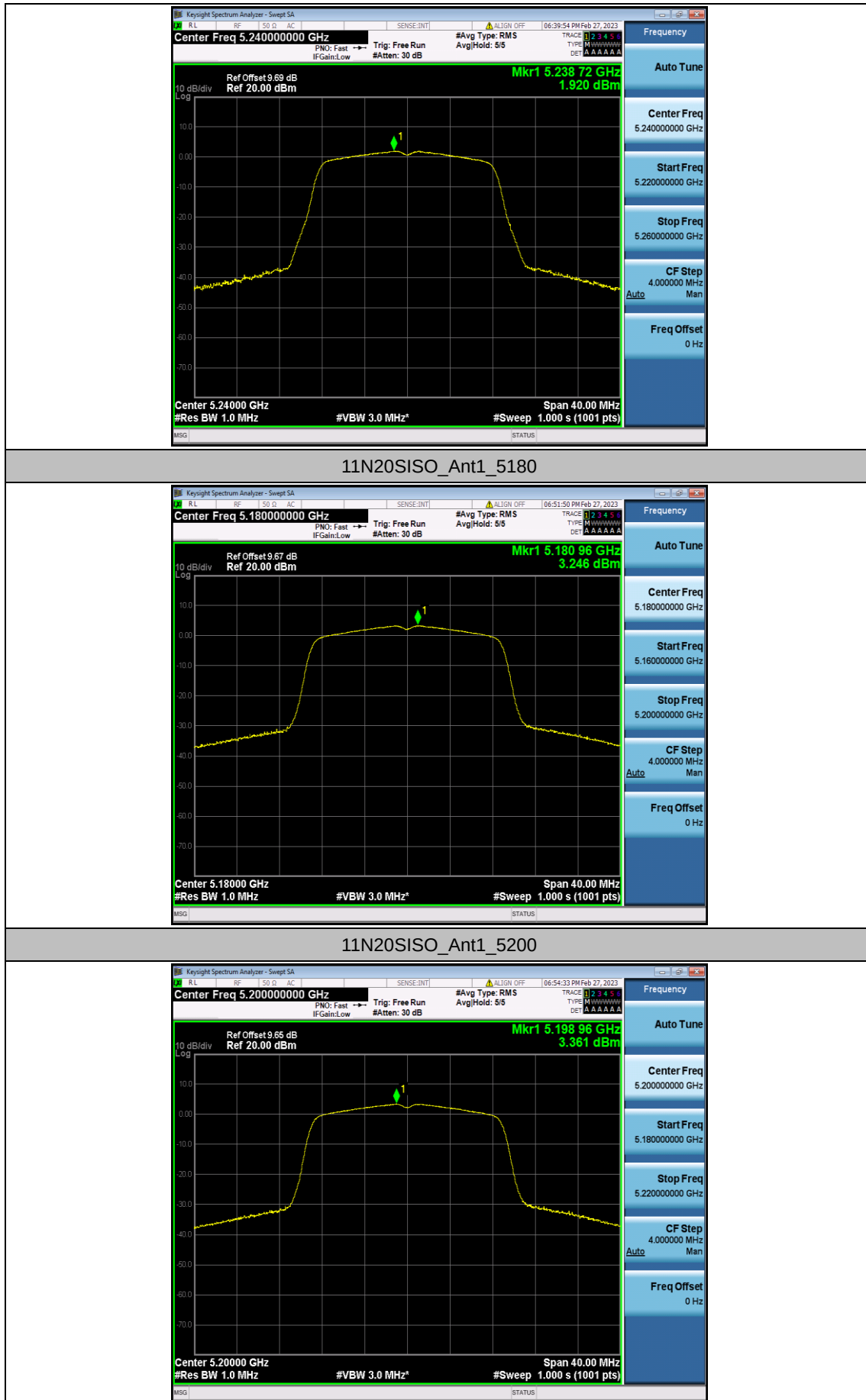
11A_Ant1_5180



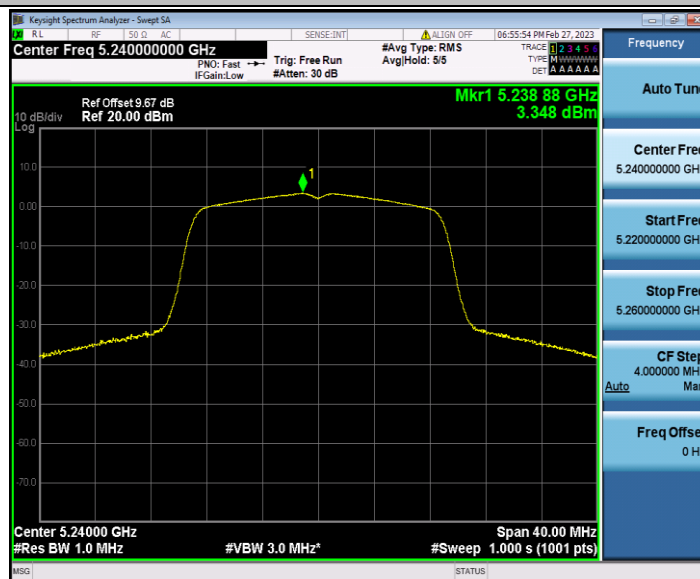
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

