

Case No. : <u>GTS20230628002-1-12</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2024.1.19</u>	Test Engineer: <u>Evan ouyang</u>

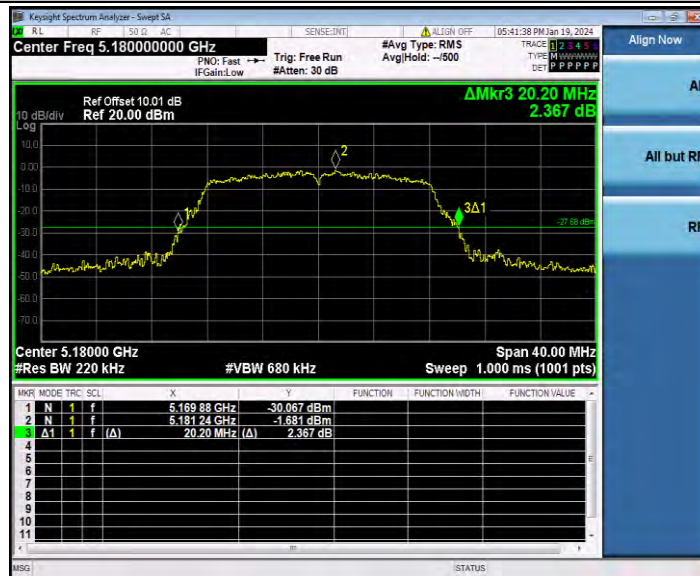
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.200	5169.880	5190.080	---	---
		5200	20.040	5190.000	5210.040	---	---
		5240	20.000	5229.960	5249.960	---	---
11N20SISO	Ant1	5180	20.040	5170.080	5190.120	---	---
		5200	20.120	5190.000	5210.120	---	---
		5240	20.160	5229.880	5250.040	---	---
11N40SISO	Ant1	5190	40.720	5169.680	5210.400	---	---
		5230	40.240	5209.840	5250.080	---	---
11AC20SISO	Ant1	5180	20.120	5169.960	5190.080	---	---
		5200	20.040	5190.000	5210.040	---	---
		5240	20.080	5229.960	5250.040	---	---
11AC40SISO	Ant1	5190	40.400	5169.920	5210.320	---	---
		5230	40.560	5209.680	5250.240	---	---
11AC80SISO	Ant1	5210	81.600	5169.200	5250.800	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5240

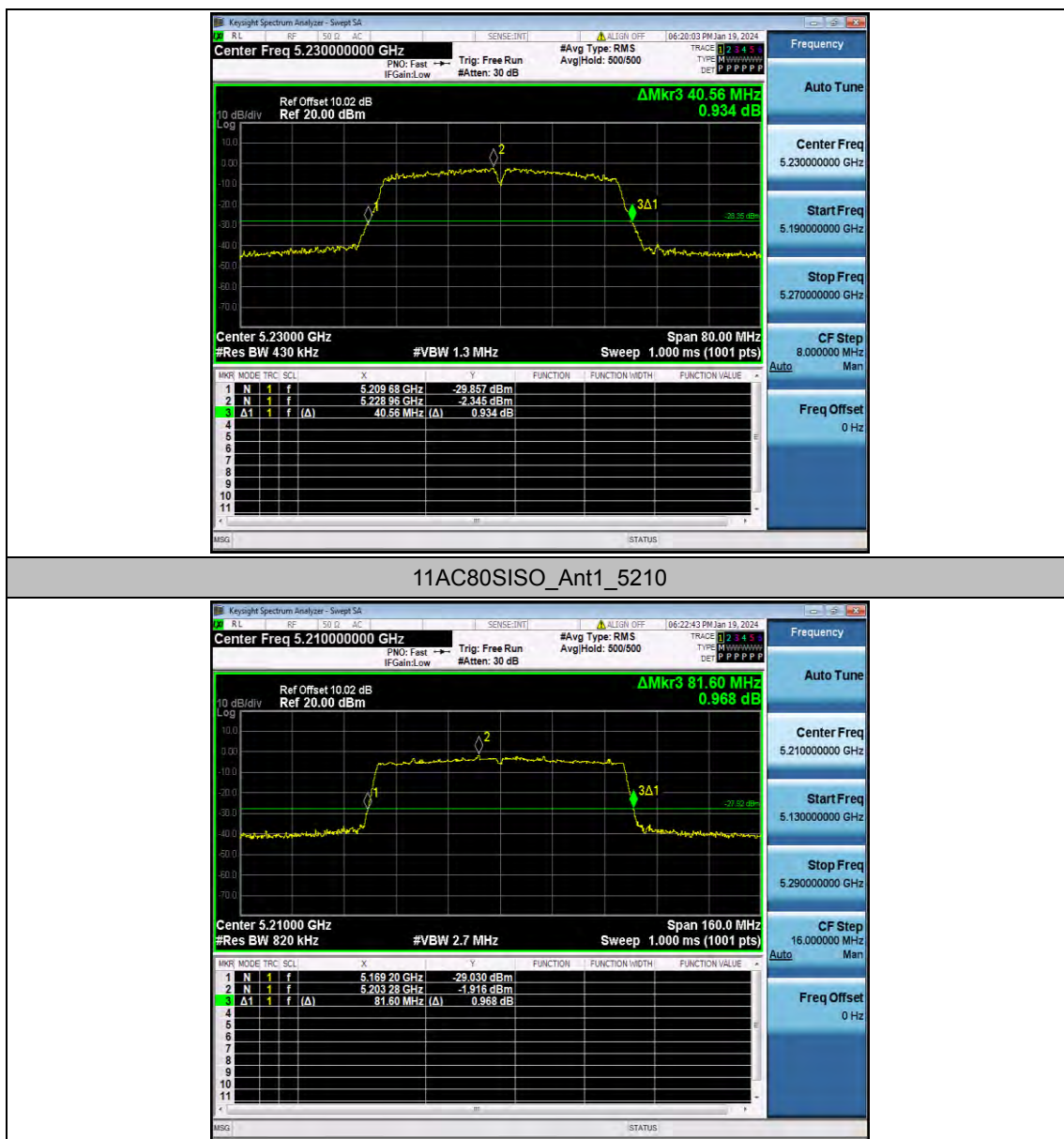


11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



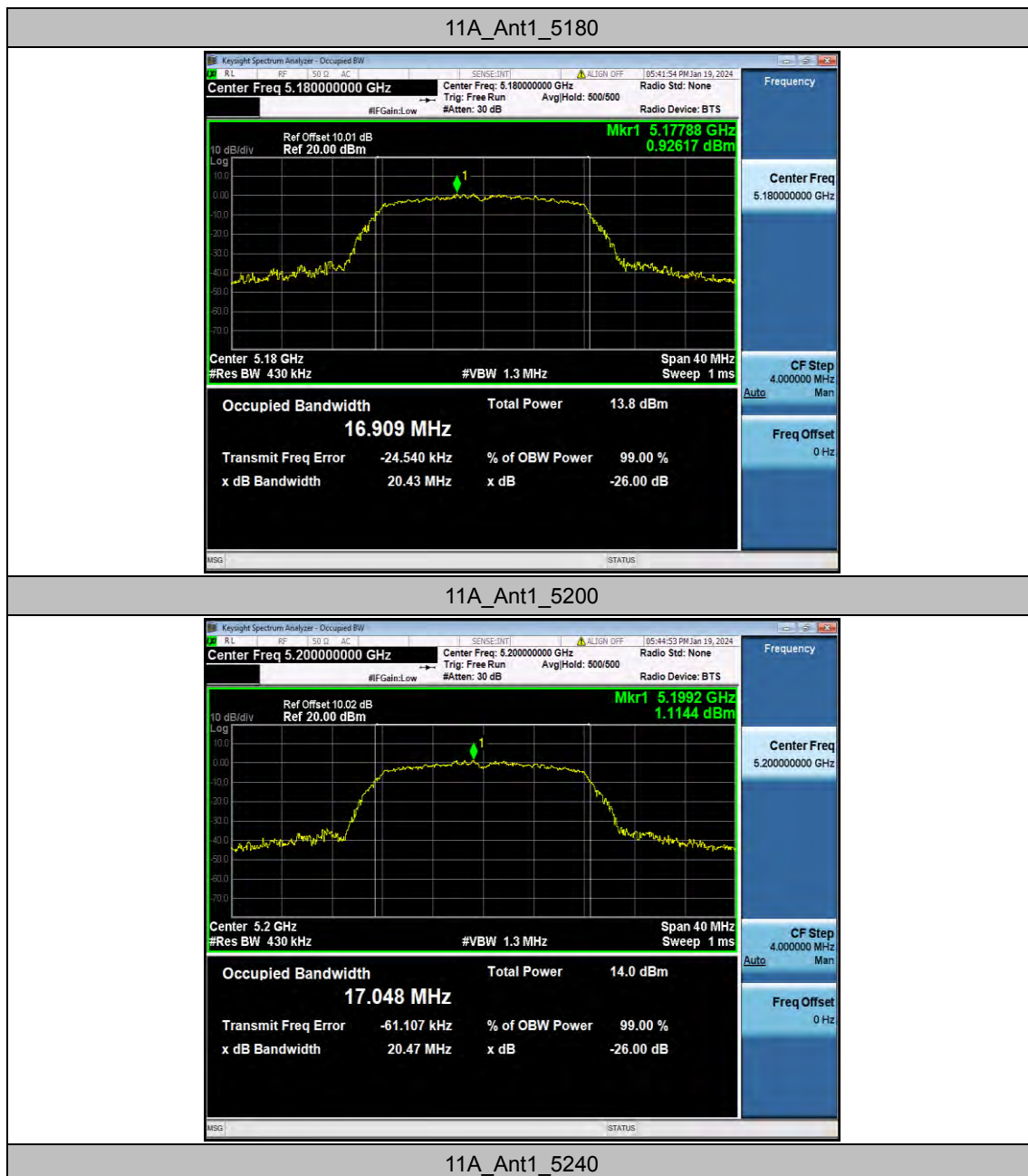


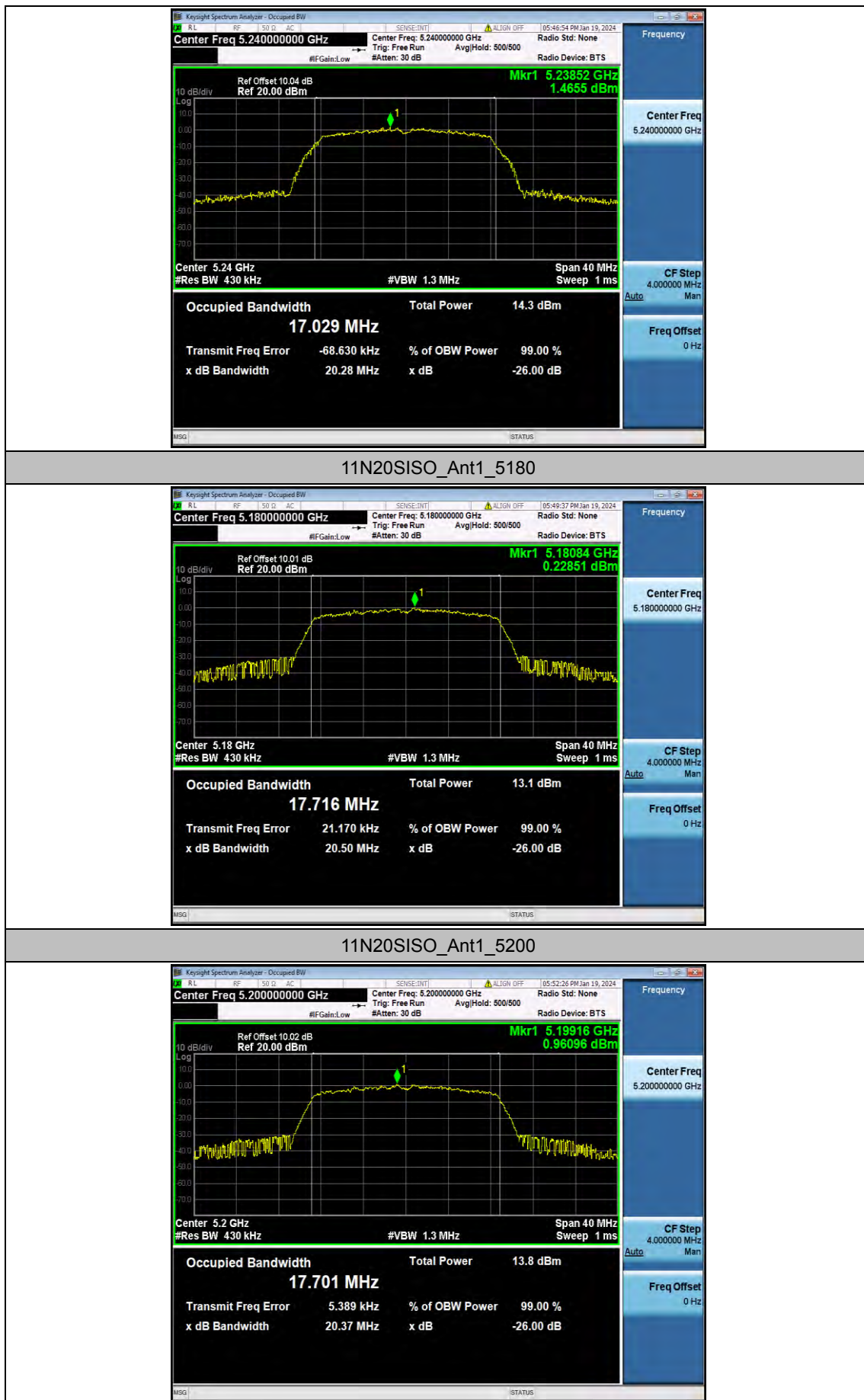
Appendix D.2: Occupied channel bandwidth

Test Result

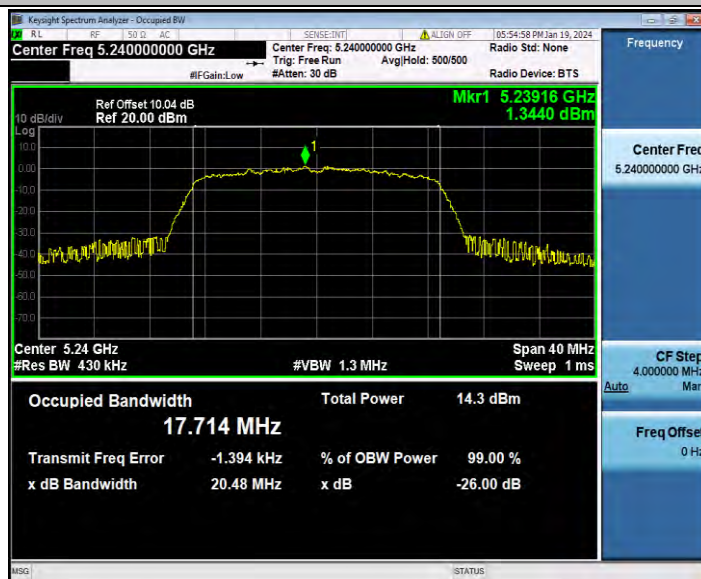
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.909	5171.5210	5188.4300	---	---
		5200	17.048	5191.4149	5208.4629	---	---
		5240	17.029	5231.4169	5248.4459	---	---
11N20SISO	Ant1	5180	17.716	5171.1632	5188.8792	---	---
		5200	17.701	5191.1549	5208.8559	---	---
		5240	17.714	5231.1416	5248.8556	---	---
11N40SISO	Ant1	5190	36.160	5172.0252	5208.1852	---	---
		5230	36.188	5211.9296	5248.1176	---	---
11AC20SISO	Ant1	5180	17.681	5171.1697	5188.8507	---	---
		5200	17.692	5191.1489	5208.8409	---	---
		5240	17.664	5231.1670	5248.8310	---	---
11AC40SISO	Ant1	5190	36.105	5172.0618	5208.1668	---	---
		5230	36.134	5211.9848	5248.1188	---	---
11AC80SISO	Ant1	5210	75.713	5172.2132	5247.9262	---	---

Test Graphs

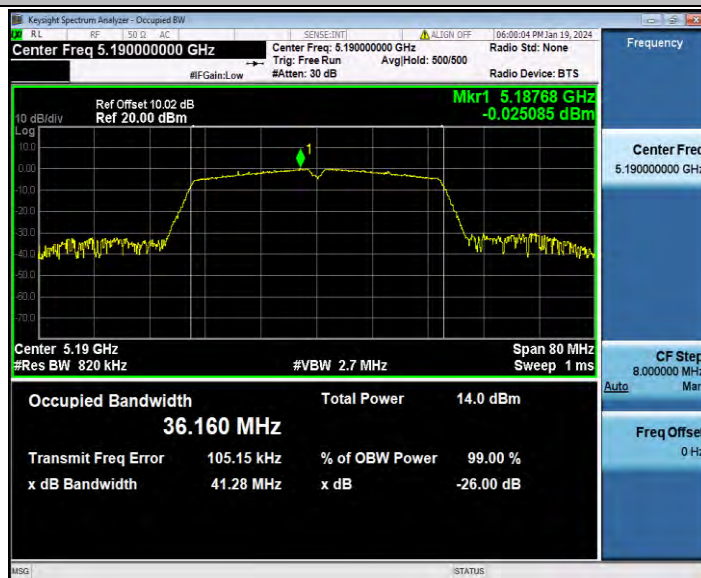




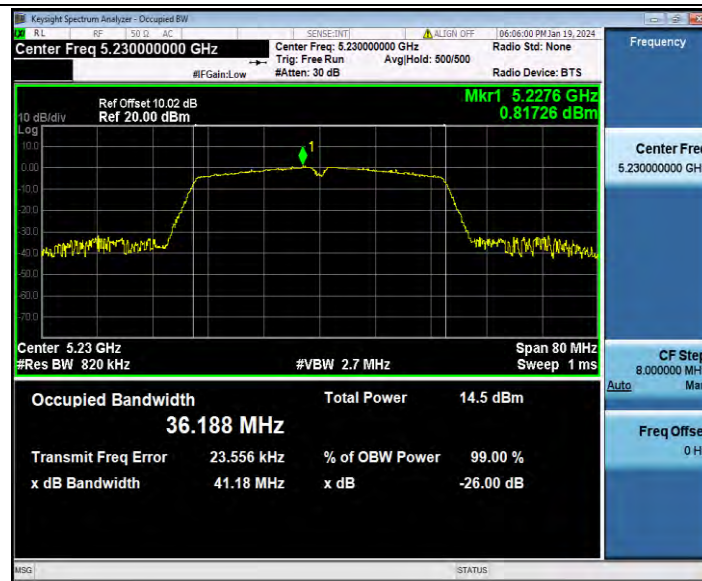
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



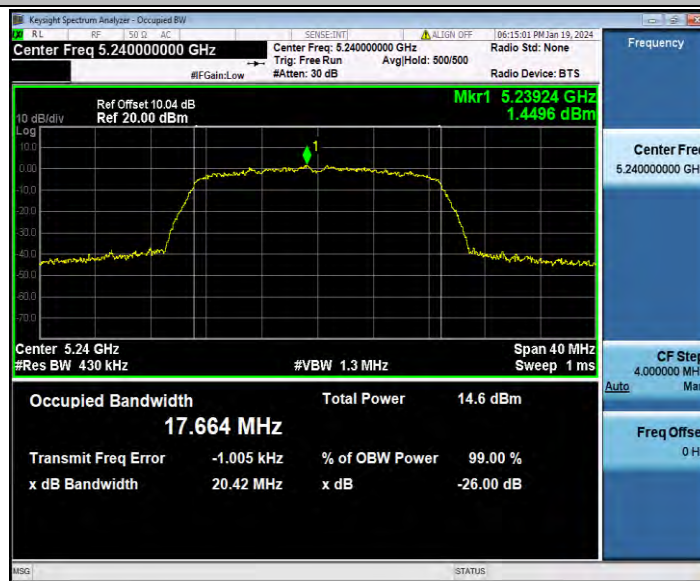
11AC20SISO_Ant1_5180



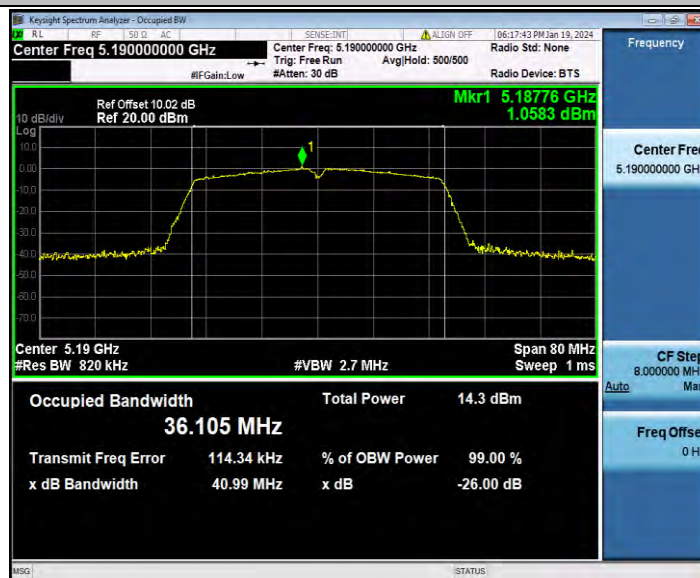
11AC20SISO_Ant1_5200



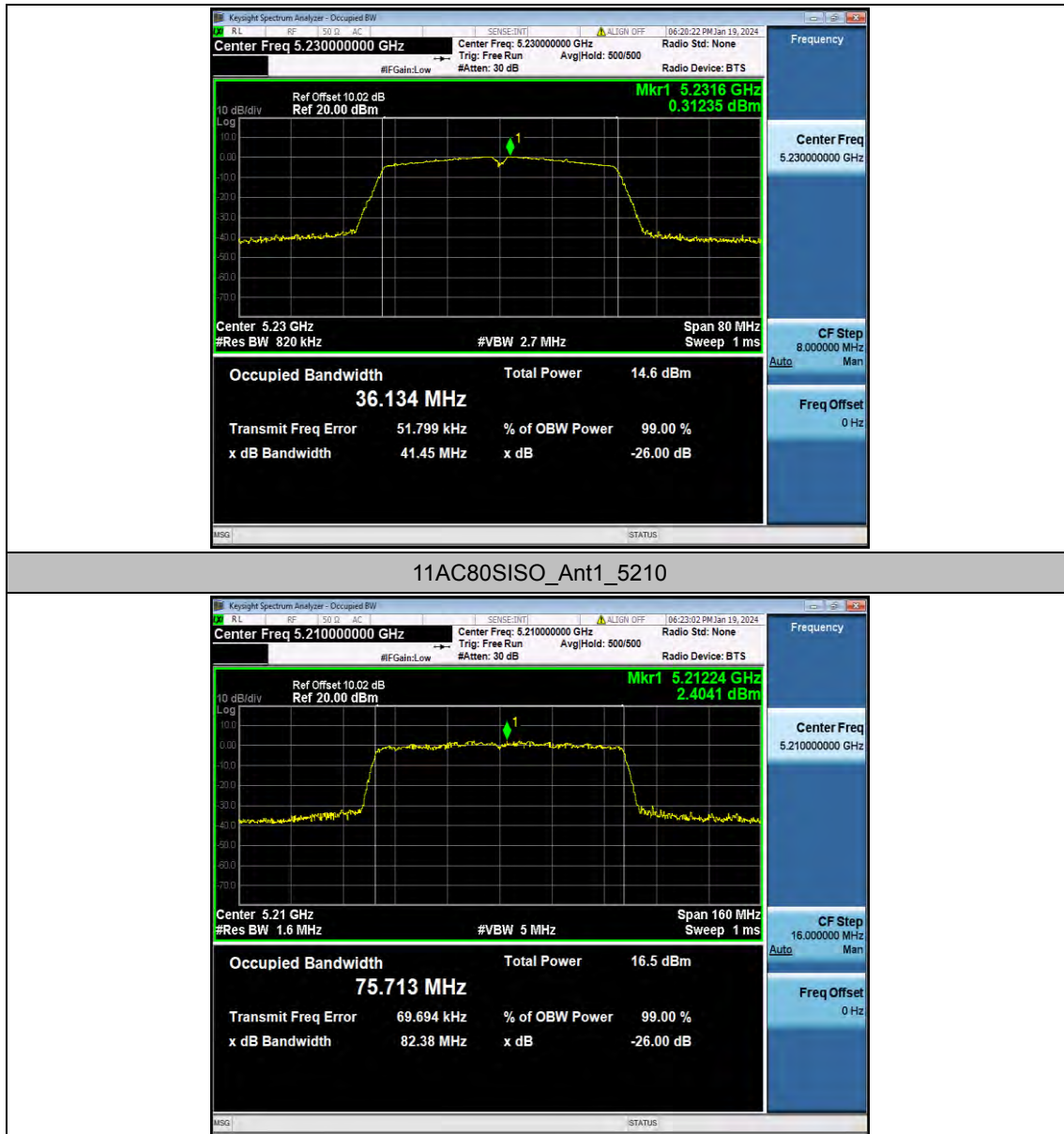
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



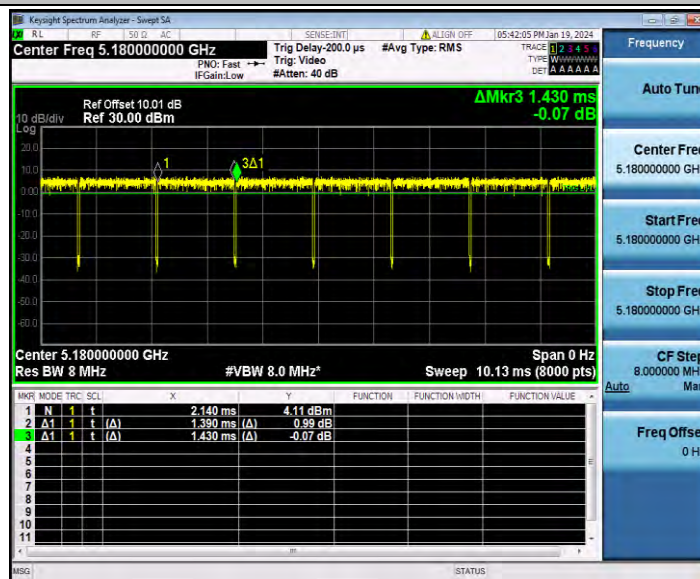
Appendix D.3: Duty Cycle

Test Result

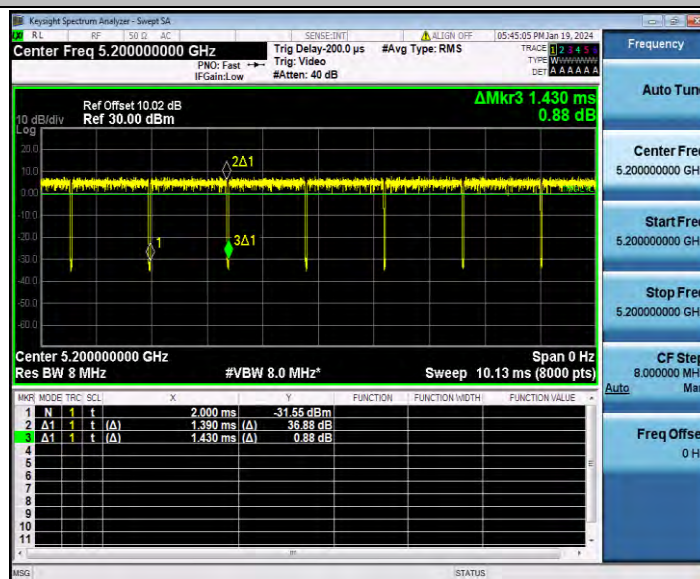
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.39	1.43	97.20	0.12	0.72
		5200	1.39	1.43	97.20	0.12	0.72
		5240	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	5180	1.30	1.34	97.01	0.13	0.77
		5200	1.30	1.34	97.01	0.13	0.77
		5240	1.30	1.33	97.74	0.10	0.77
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
		5230	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5180	1.31	1.35	97.04	0.13	0.76
		5200	1.31	1.35	97.04	0.13	0.76
		5240	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
		5230	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5210	0.32	0.36	88.89	0.51	3.13

Test Graphs

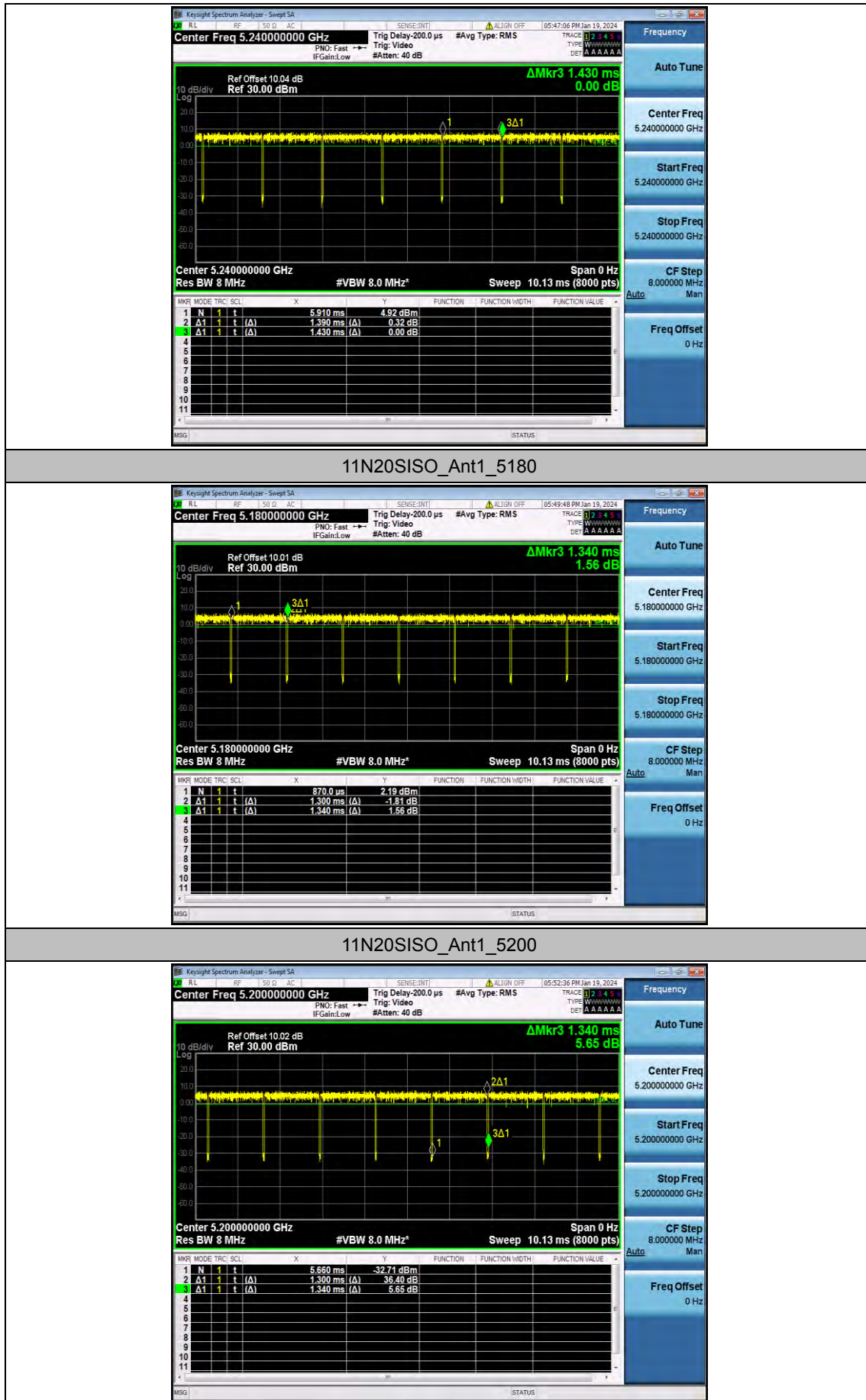
11A_Ant1_5180



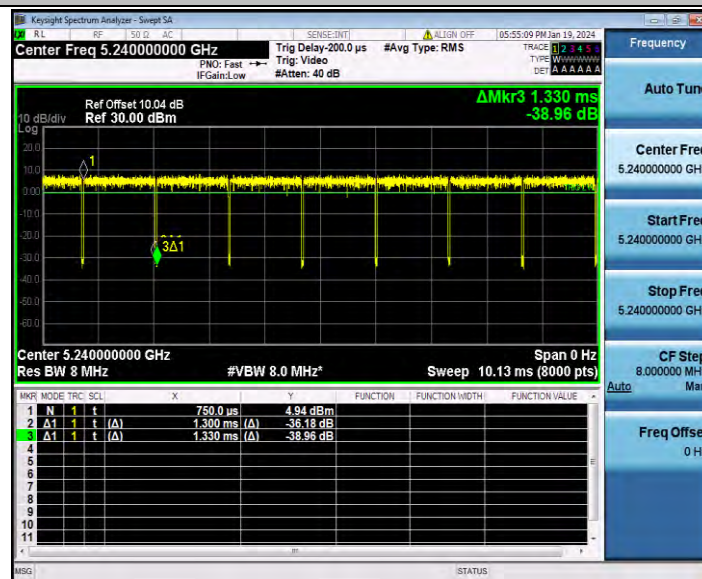
11A_Ant1_5200



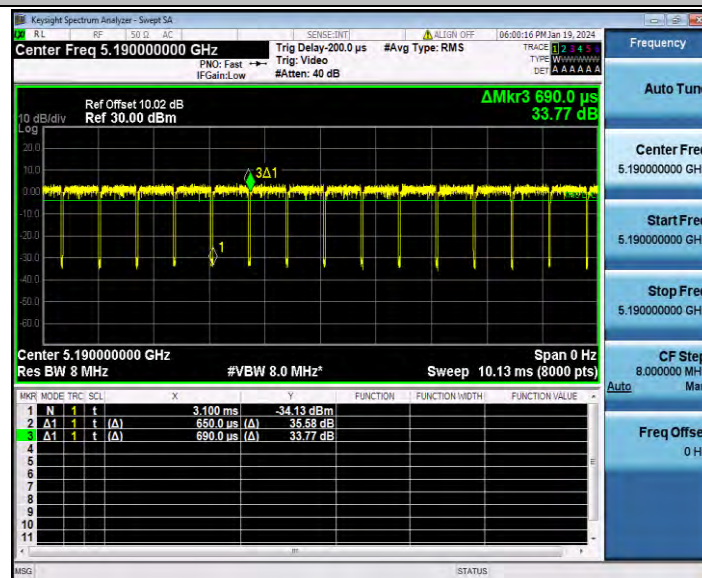
11A_Ant1_5240



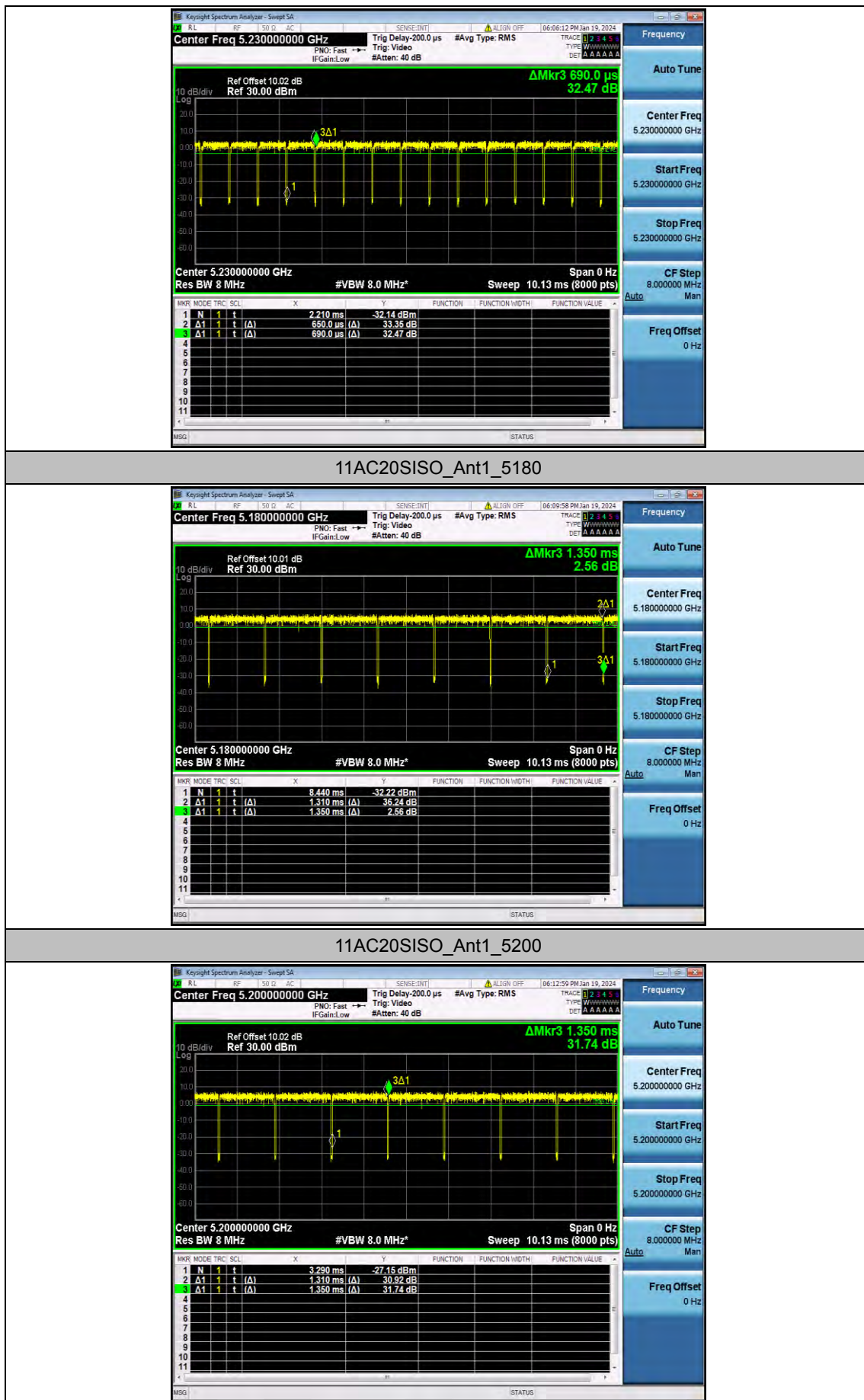
11N20SISO_Ant1_5240



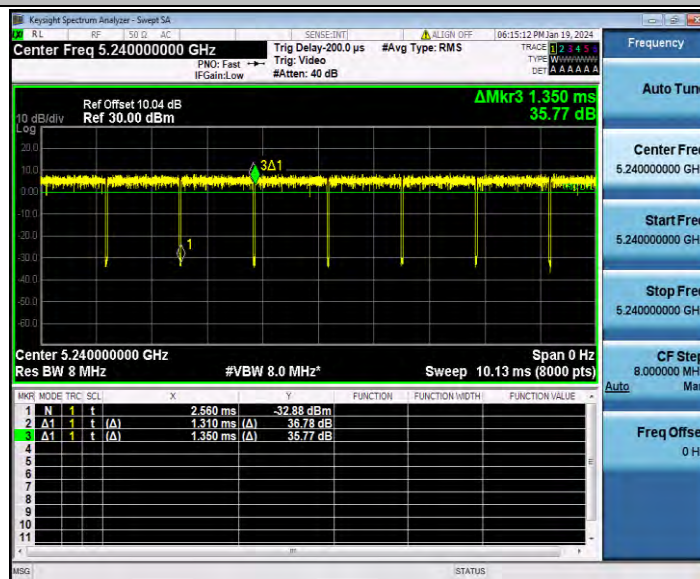
11N40SISO_Ant1_5190



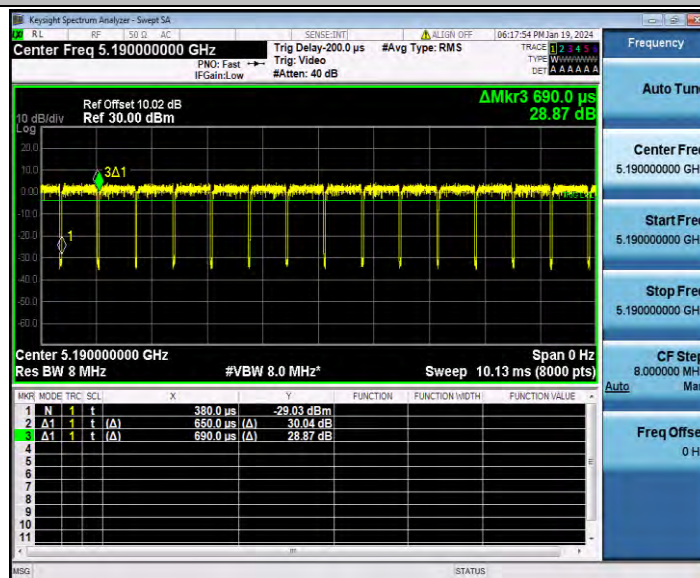
11N40SISO_Ant1_5230



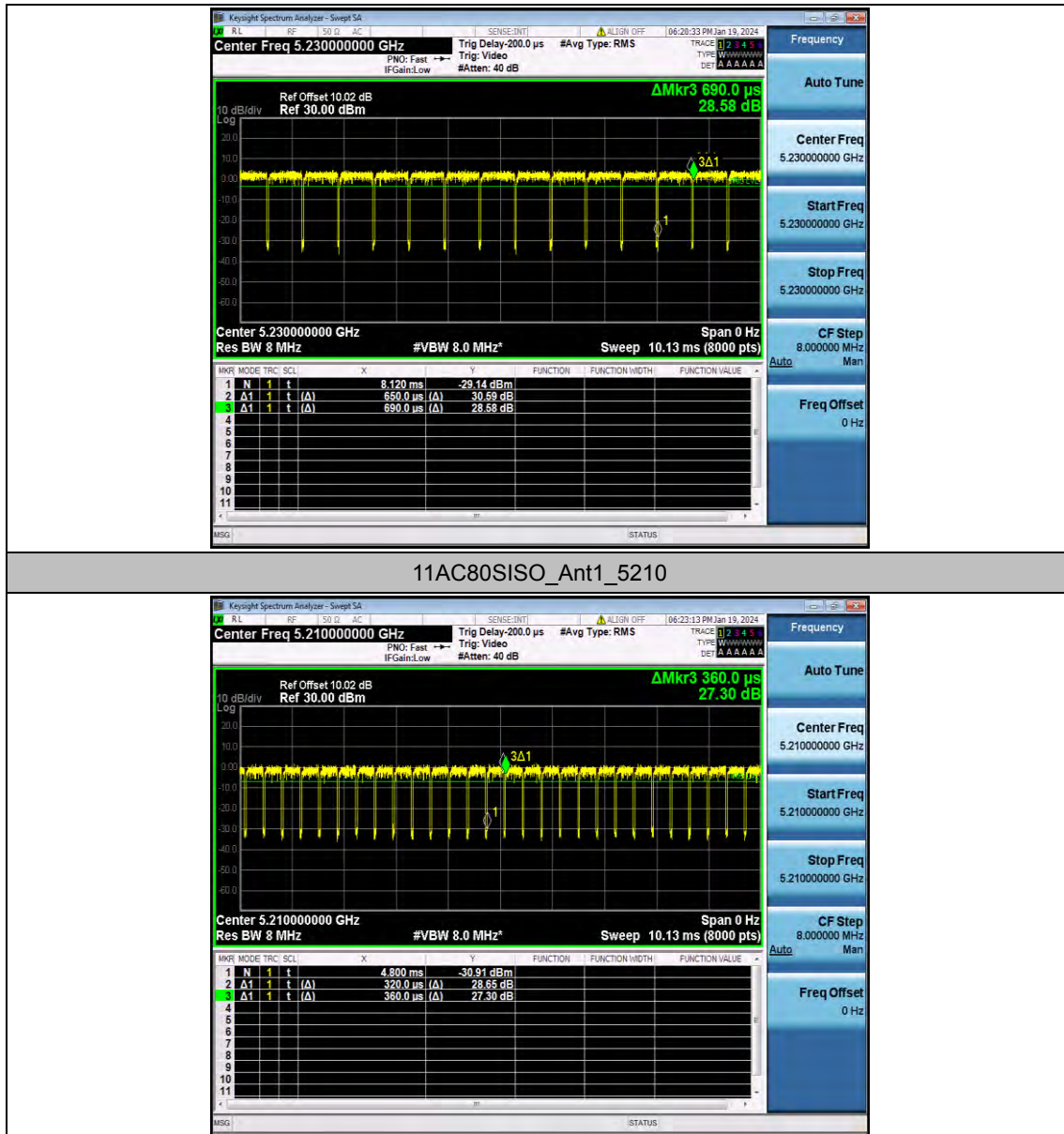
11AC20SISO_Ant1_5240



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	13.80	97.20	0.12	13.92	≤23.98	PASS
		5200	13.92	97.20	0.12	14.04	≤23.98	PASS
		5240	13.77	97.20	0.12	13.89	≤23.98	PASS
11N20SISO	Ant1	5180	13.72	97.01	0.13	13.85	≤23.98	PASS
		5200	13.26	97.01	0.13	13.39	≤23.98	PASS
		5240	13.73	97.74	0.10	13.83	≤23.98	PASS
11N40SISO	Ant1	5190	13.78	94.20	0.26	14.04	≤23.98	PASS
		5230	14.00	94.20	0.26	14.26	≤23.98	PASS
11AC20SISO	Ant1	5180	13.25	97.04	0.13	13.38	≤23.98	PASS
		5200	13.96	97.04	0.13	14.09	≤23.98	PASS
		5240	13.84	97.04	0.13	13.97	≤23.98	PASS
11AC40SISO	Ant1	5190	13.46	94.20	0.26	13.72	≤23.98	PASS
		5230	13.02	94.20	0.26	13.28	≤23.98	PASS
11AC80SISO	Ant1	5210	13.52	88.89	0.51	14.03	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-3.35	≤ 11.00	PASS
		5200	-3.05	≤ 11.00	PASS
		5240	-2.57	≤ 11.00	PASS
11N20SISO	Ant1	5180	-3.85	≤ 11.00	PASS
		5200	-3.42	≤ 11.00	PASS
		5240	-2.94	≤ 11.00	PASS
11N40SISO	Ant1	5190	-6.39	≤ 11.00	PASS
		5230	-6.02	≤ 11.00	PASS
11AC20SISO	Ant1	5180	-3.78	≤ 11.00	PASS
		5200	-3.60	≤ 11.00	PASS
		5240	-2.70	≤ 11.00	PASS
11AC40SISO	Ant1	5190	-6.26	≤ 11.00	PASS
		5230	-5.75	≤ 11.00	PASS
11AC80SISO	Ant1	5210	-9.25	≤ 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

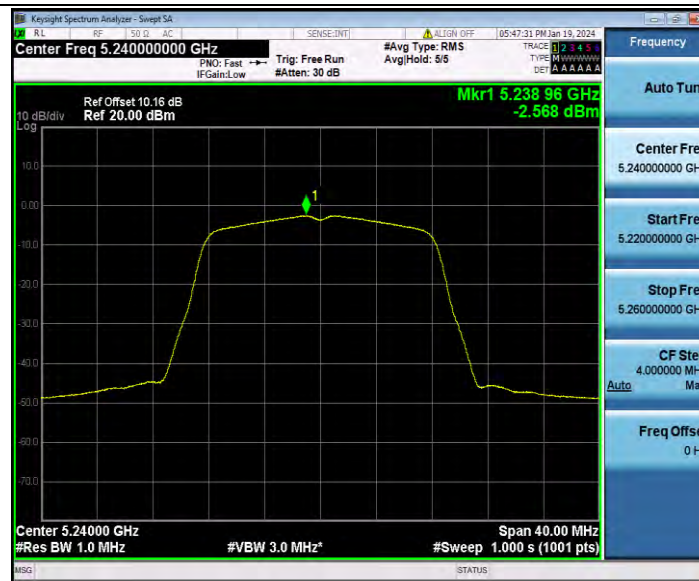
11A_Ant1_5180



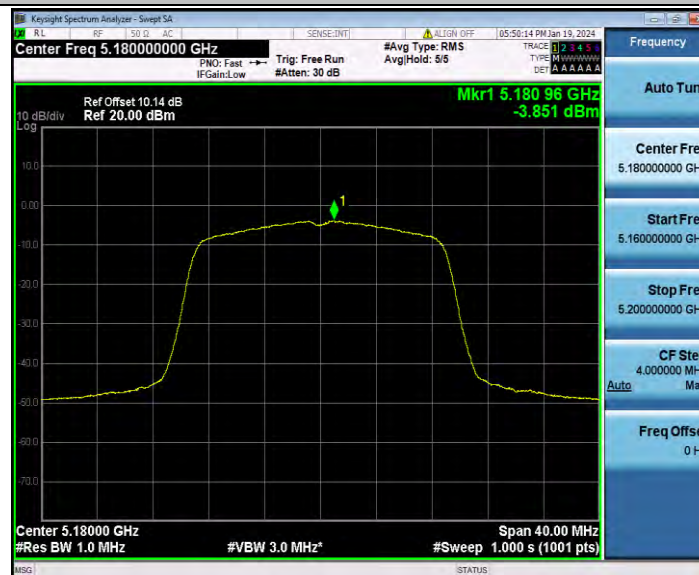
11A_Ant1_5200



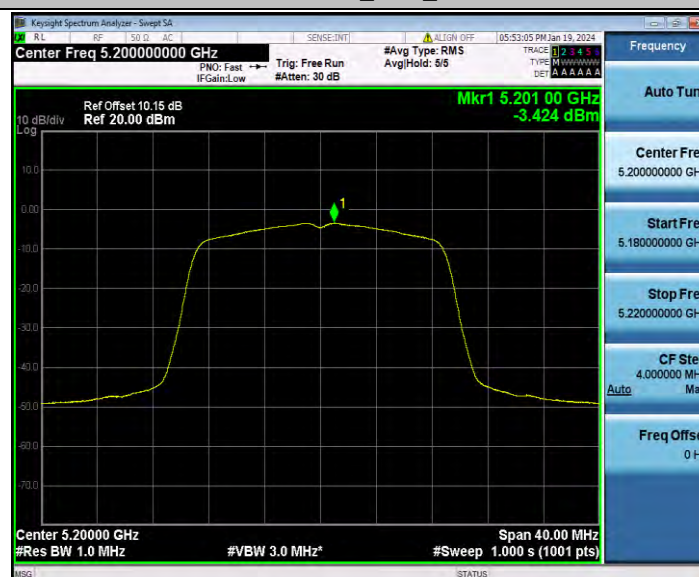
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



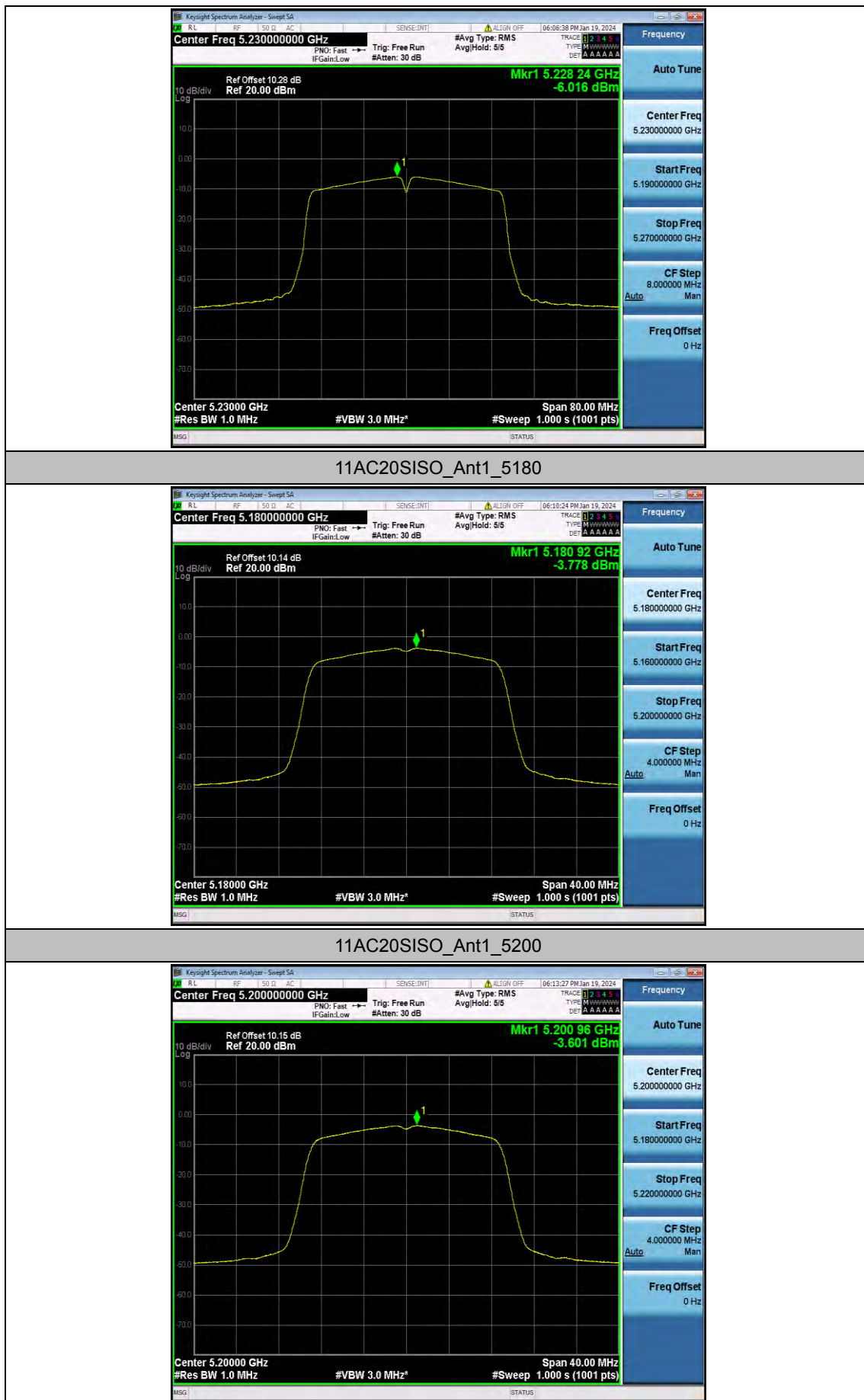
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

