

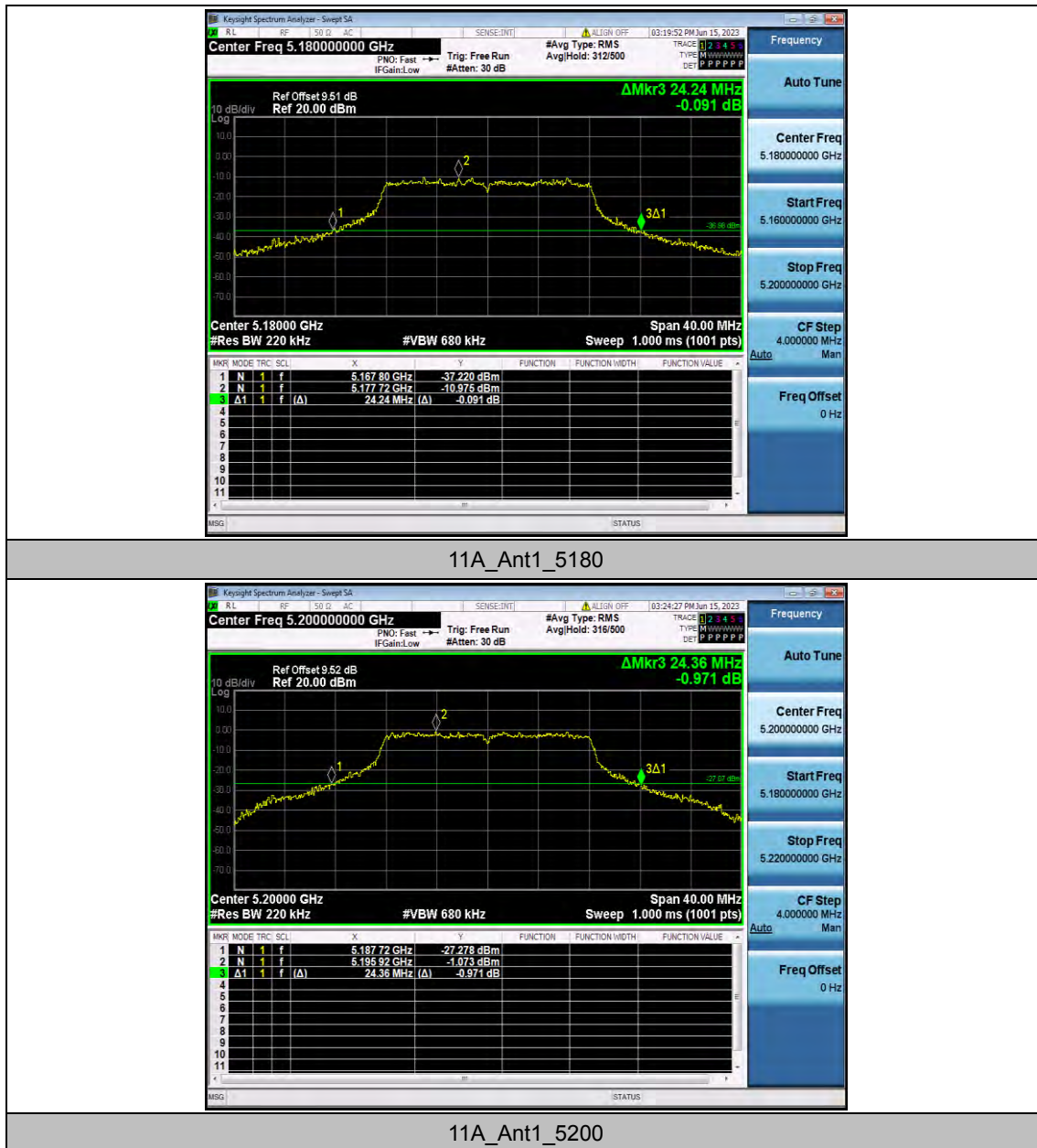
Case No. : <u>GTS20230523010-1-14</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.14</u>	Test Engineer: <u>Jenny zeng</u>

Appendix D.1: Emission Bandwidth

Test Result

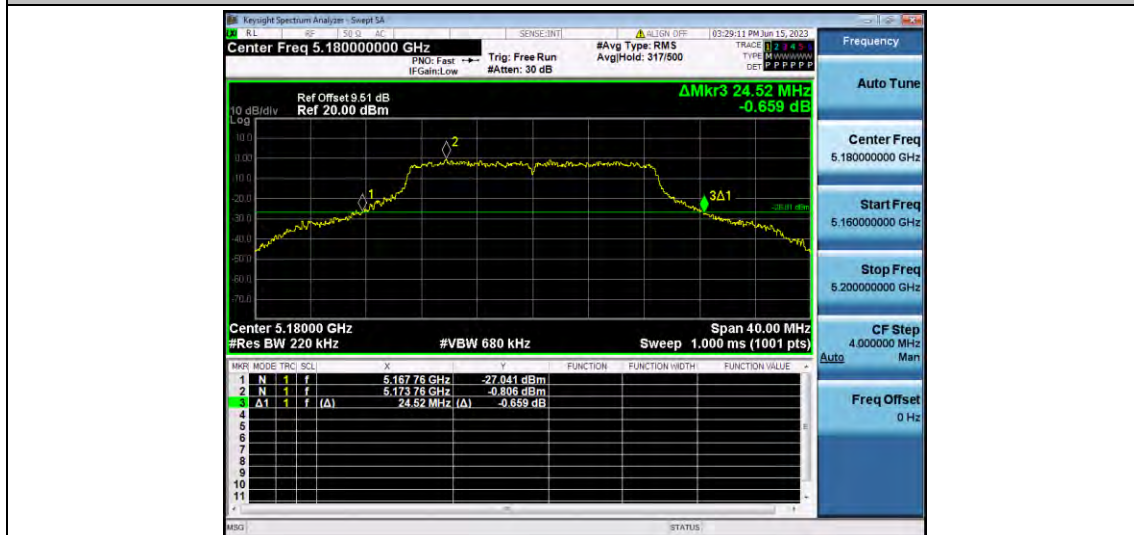
Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.240	5167.800	5192.040	---	---
		5200	24.360	5187.720	5212.080	---	---
		5240	23.960	5227.800	5251.760	---	---
11N20SISO	Ant1	5180	24.520	5167.760	5192.280	---	---
		5200	24.720	5187.800	5212.520	---	---
		5240	25.160	5227.360	5252.520	---	---
11N40SISO	Ant1	5190	47.520	5166.320	5213.840	---	---
		5230	47.600	5206.320	5253.920	---	---
11AC20SISO	Ant1	5180	25.160	5167.640	5192.800	---	---
		5200	25.280	5187.080	5212.360	---	---
		5240	24.680	5227.560	5252.240	---	---
11AC40SISO	Ant1	5190	46.800	5167.040	5213.840	---	---
		5230	46.640	5206.560	5253.200	---	---
11AX20SISO	Ant1	5180	25.600	5167.120	5192.720	---	---
		5200	26.000	5186.440	5212.440	---	---
		5240	24.880	5227.840	5252.720	---	---
11AX40SISO	Ant1	5190	45.040	5167.520	5212.560	---	---
		5230	45.280	5206.560	5251.840	---	---

Test Graphs





11A_Ant1_5240



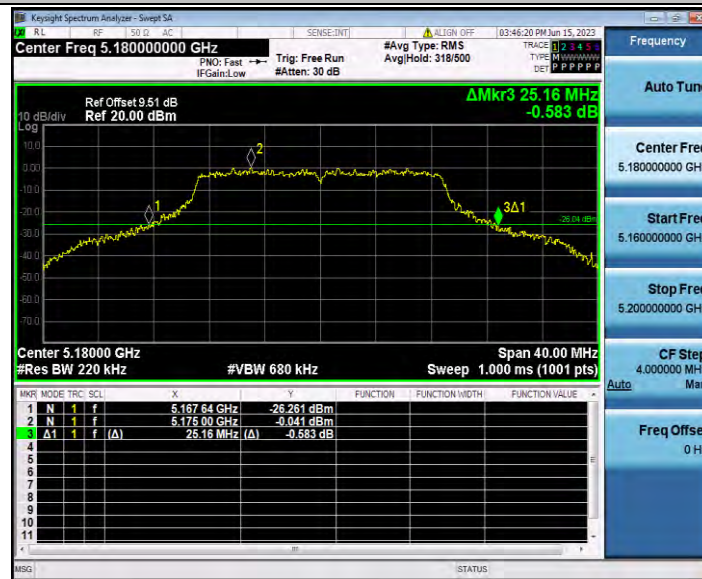
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



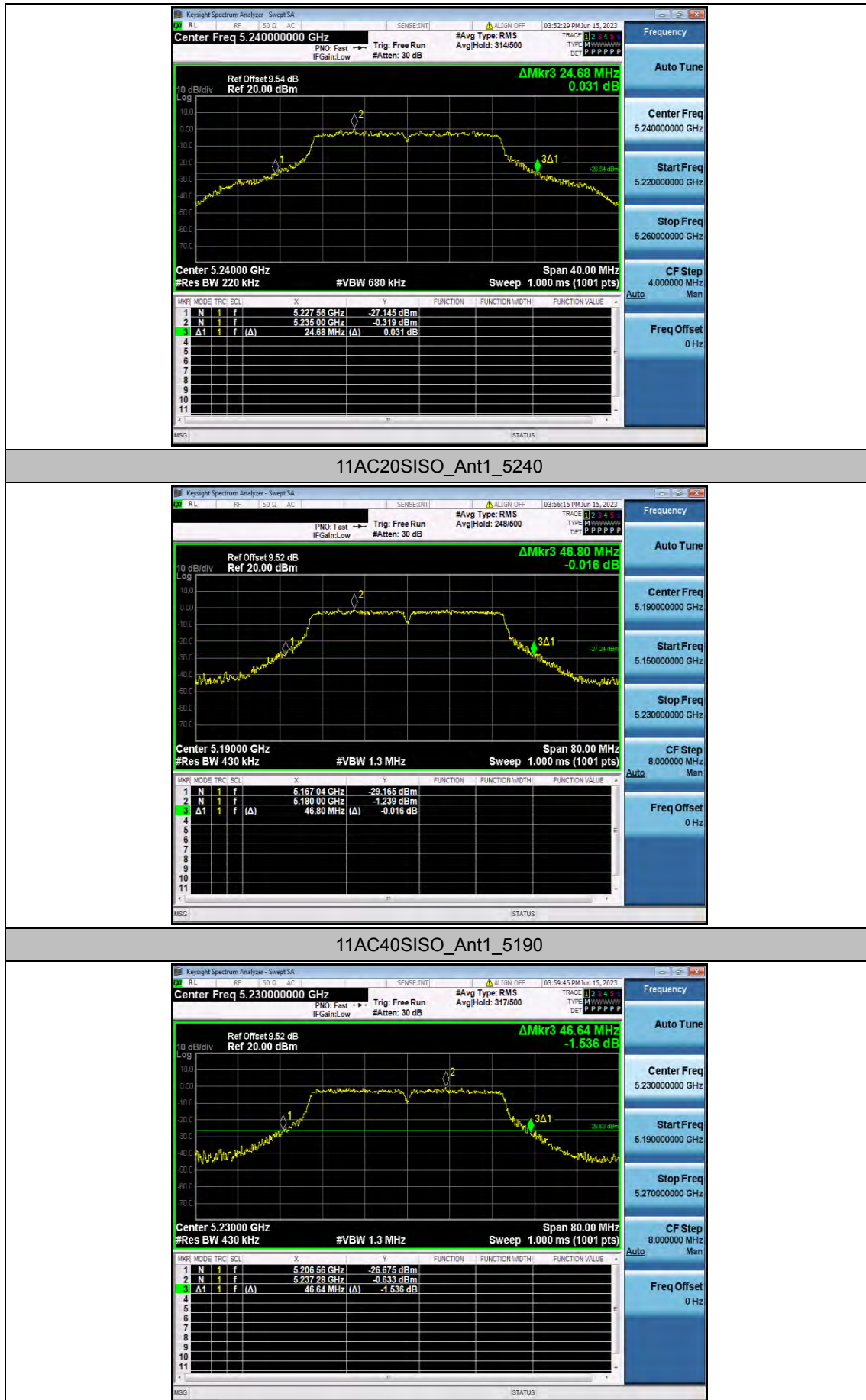
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

Appendix D.2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.691	5171.045	5188.736	---	---
		5200	17.895	5190.914	5208.809	---	---
		5240	17.986	5230.858	5248.844	---	---
11N20SISO	Ant1	5180	19.028	5170.443	5189.471	---	---
		5200	19.147	5190.346	5209.493	---	---
		5240	19.026	5230.435	5249.461	---	---
11N40SISO	Ant1	5190	37.664	5171.063	5208.727	---	---
		5230	37.628	5210.987	5248.615	---	---
11AC20SISO	Ant1	5180	19.226	5170.528	5189.754	---	---
		5200	19.167	5190.513	5209.680	---	---
		5240	19.212	5230.445	5249.657	---	---
11AC40SISO	Ant1	5190	37.485	5171.321	5208.806	---	---
		5230	37.622	5211.121	5248.743	---	---
11AX20SISO	Ant1	5180	19.766	5170.118	5189.884	---	---
		5200	19.634	5190.161	5209.795	---	---
		5240	19.603	5230.141	5249.744	---	---
11AX40SISO	Ant1	5190	38.337	5170.842	5209.179	---	---
		5230	38.367	5210.791	5249.158	---	---

Test Graphs



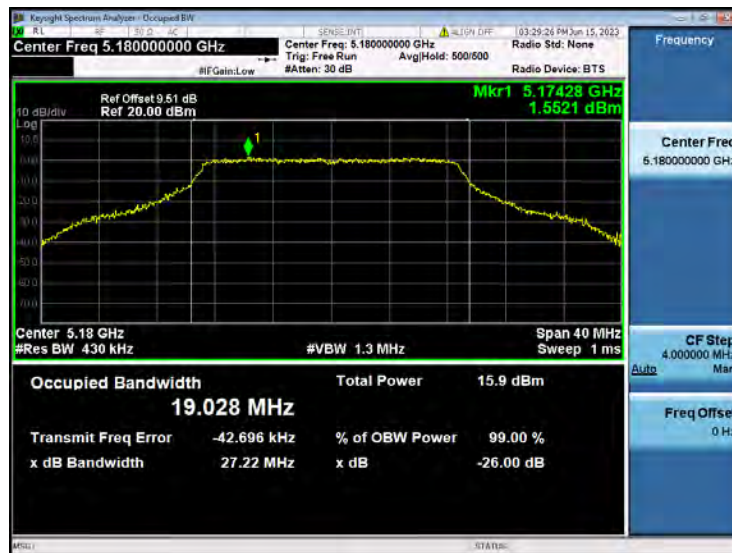
11A_Ant1_5180



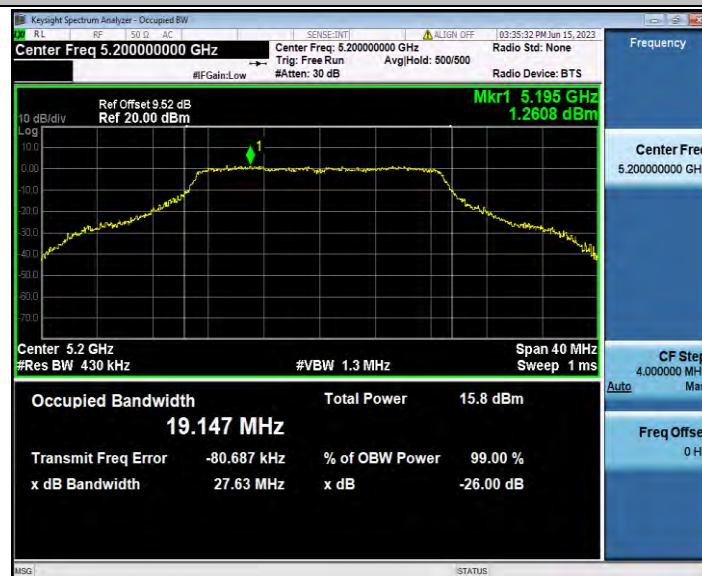
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



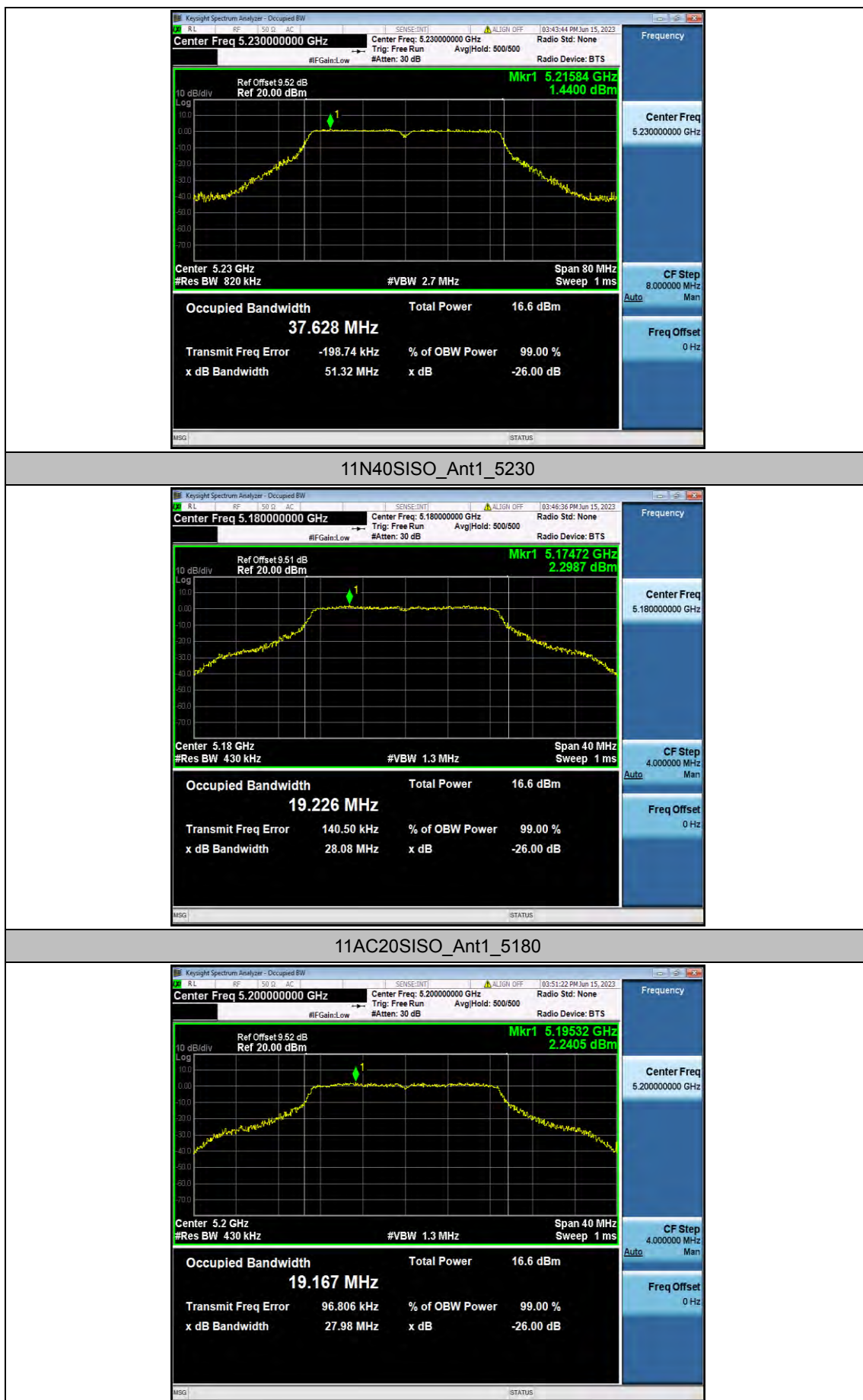
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



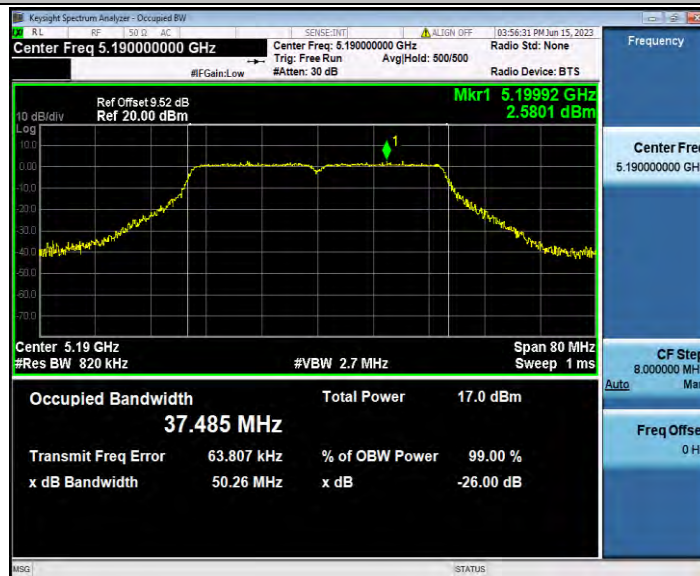
11N40SISO_Ant1_5190



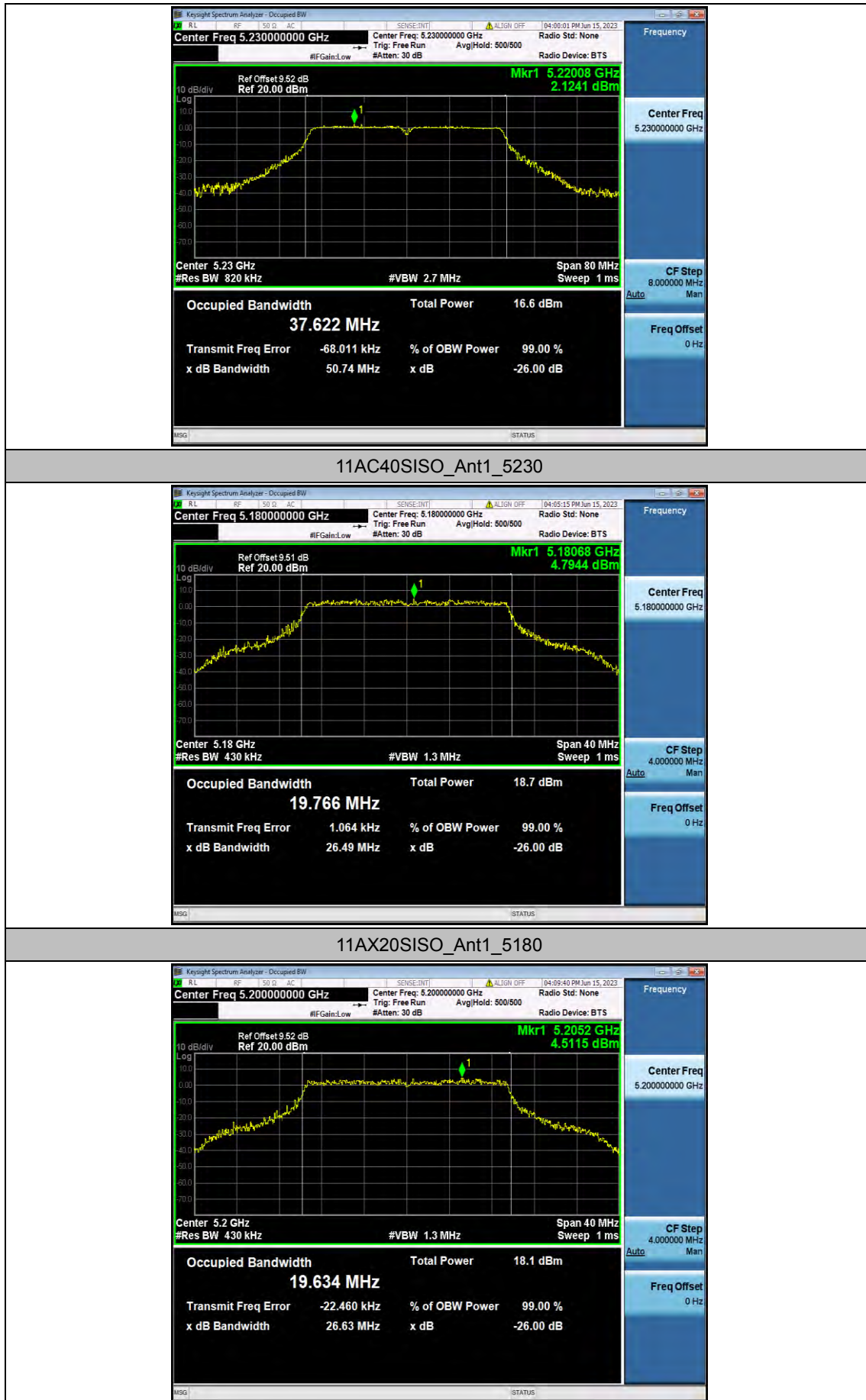
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



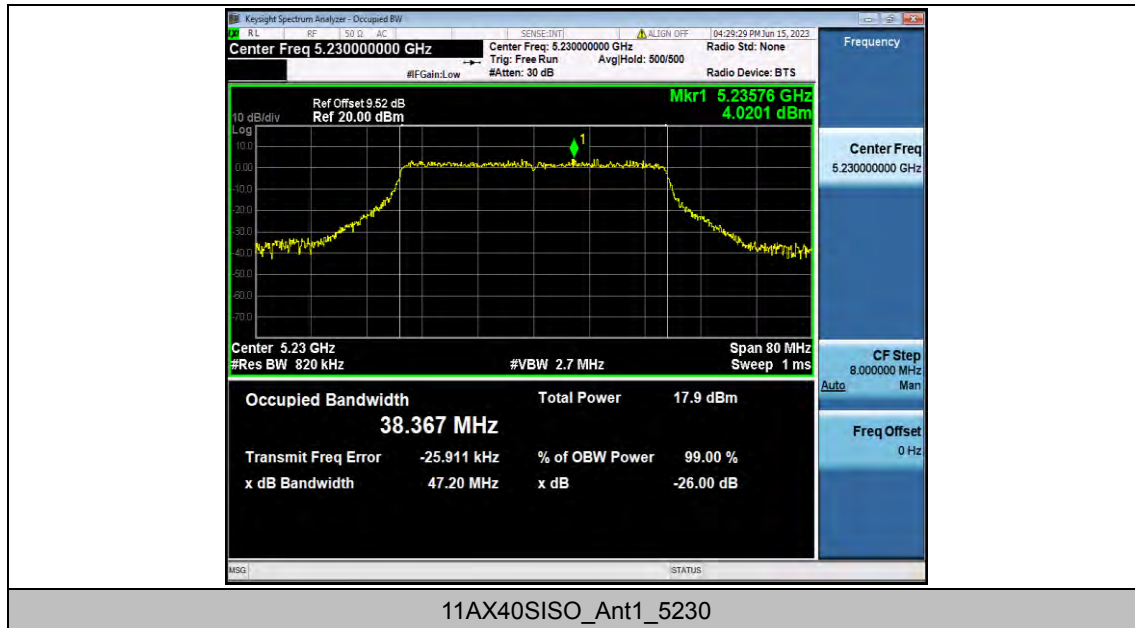
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190

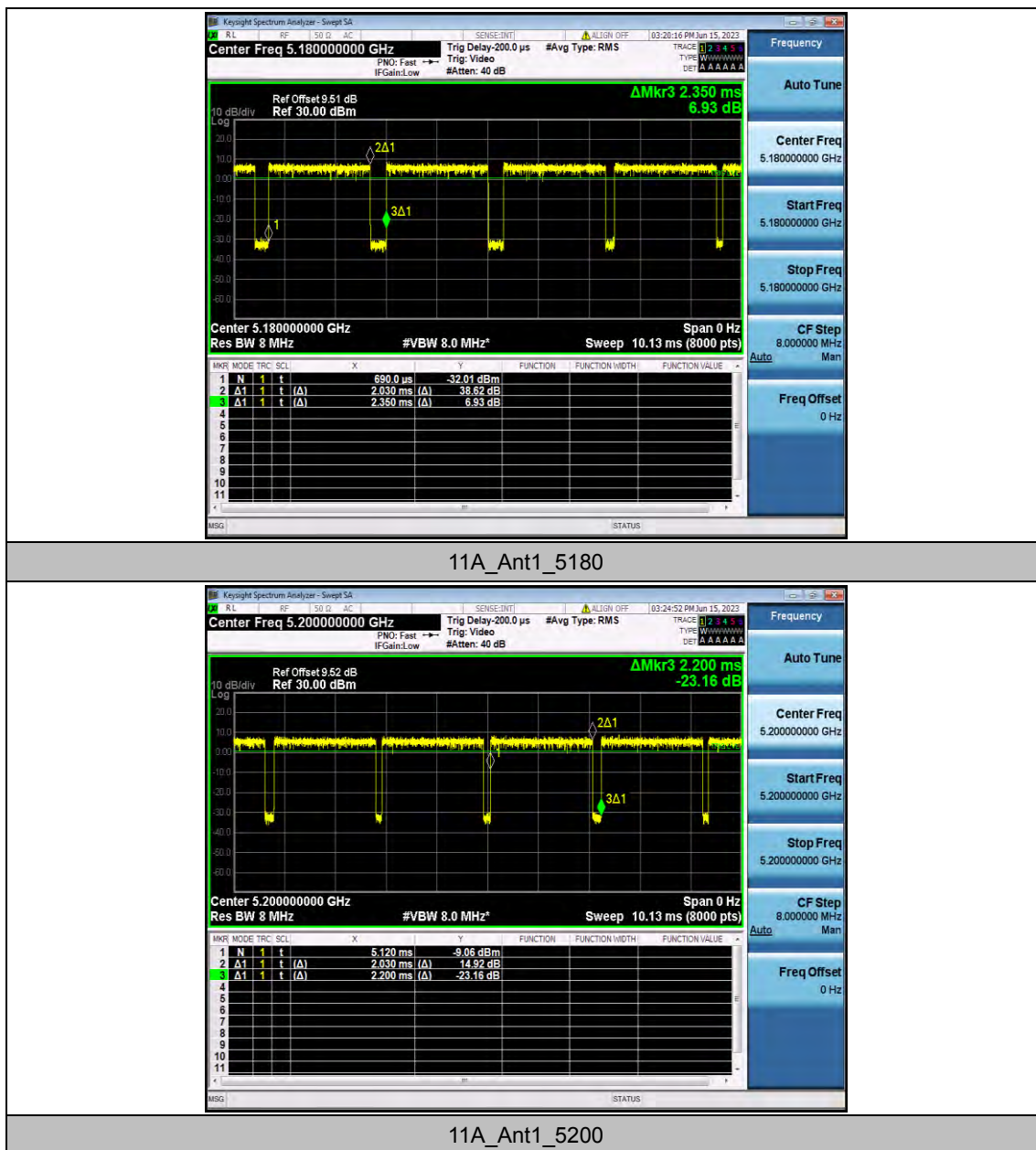


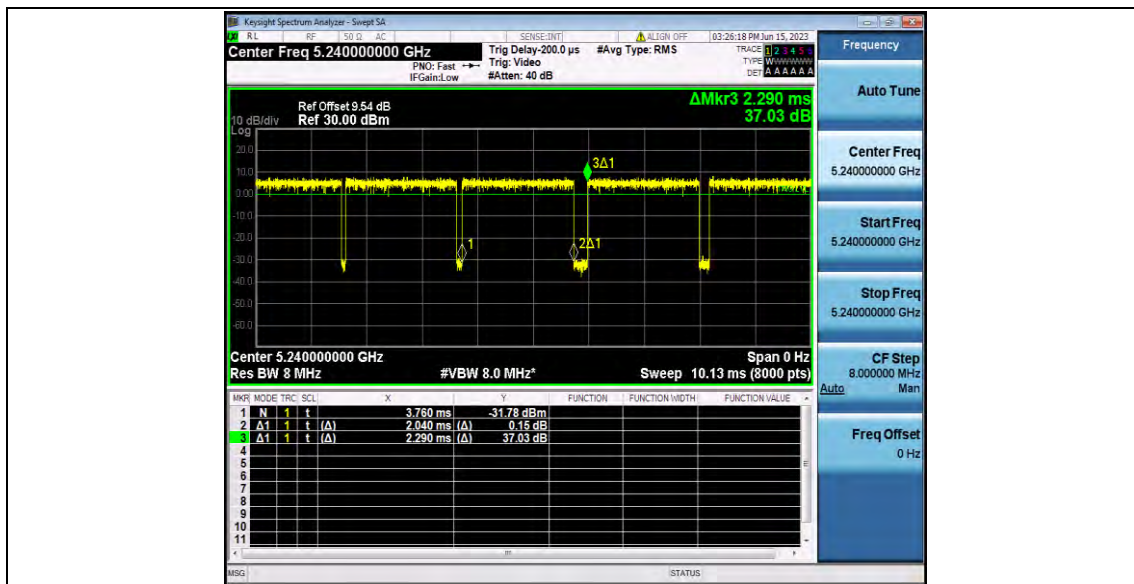
Appendix D.3: Duty Cycle

Test Result

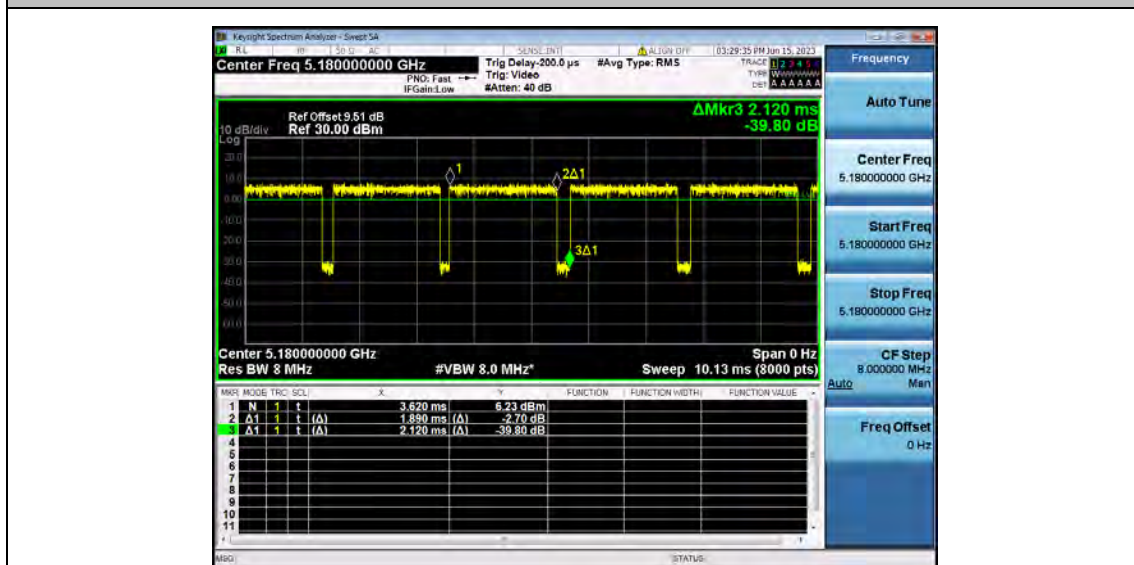
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.03	2.35	86.38
		5200	2.03	2.20	92.27
		5240	2.04	2.29	89.08
11N20SISO	Ant1	5180	1.89	2.12	89.15
		5200	1.89	2.07	91.30
		5240	1.89	2.50	75.60
11N40SISO	Ant1	5190	0.93	1.15	80.87
		5230	0.93	1.08	86.11
11AC20SISO	Ant1	5180	1.90	2.13	89.20
		5200	1.90	2.28	83.33
		5240	1.90	2.07	91.79
11AC40SISO	Ant1	5190	0.94	1.08	87.04
		5230	0.94	1.95	48.21
11AX20SISO	Ant1	5180	1.46	1.67	87.43
		5200	1.45	1.65	87.88
		5240	1.45	1.74	83.33
11AX40SISO	Ant1	5190	0.74	1.04	71.15
		5230	0.74	1.23	60.16

Test Graphs

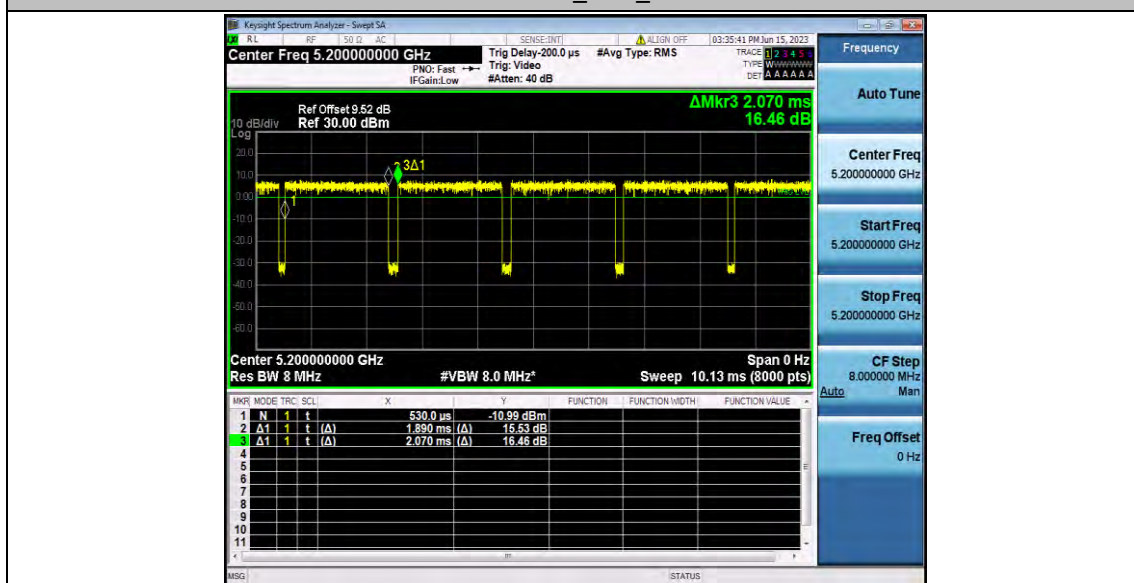




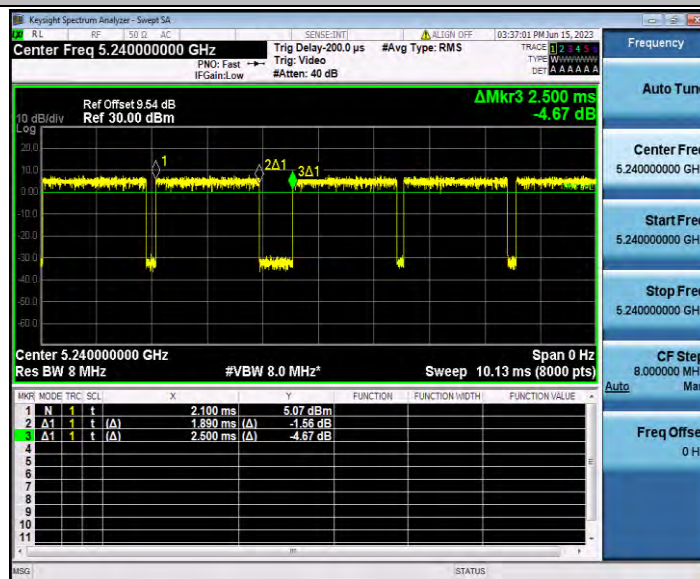
11A_Ant1_5240



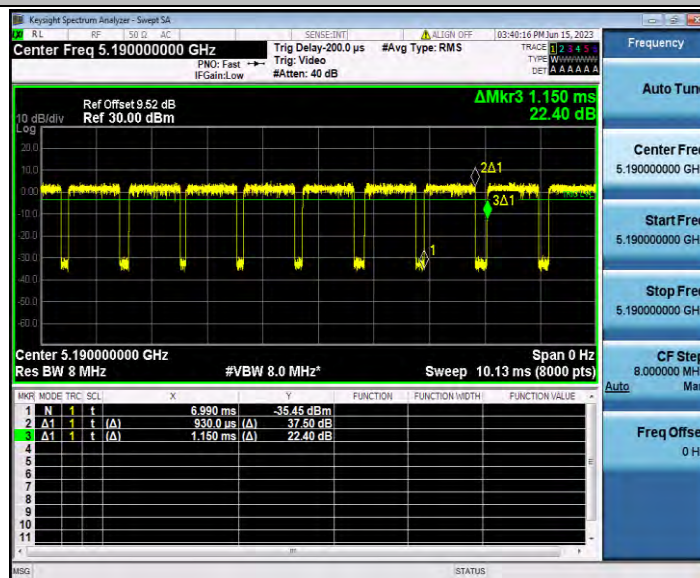
11N20SISO_Ant1_5180



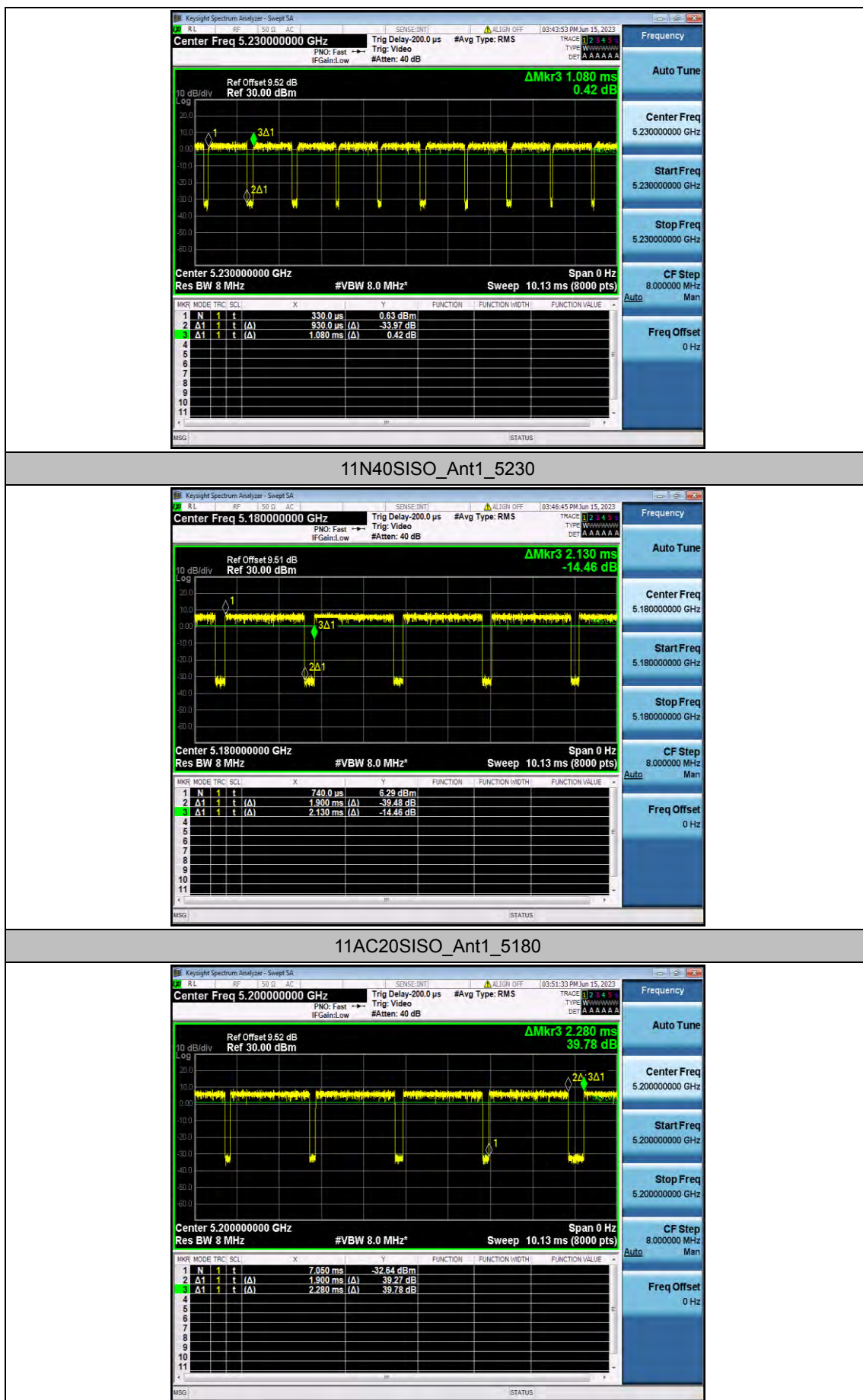
11N20SISO_Ant1_5200



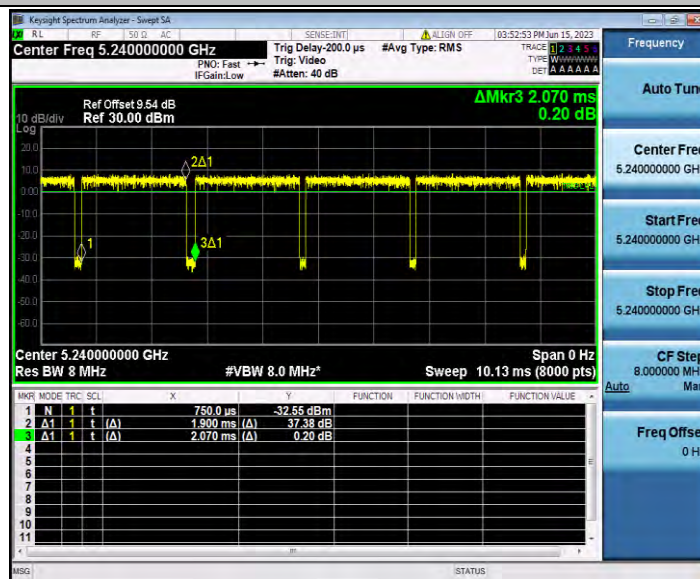
11N20SISO_Ant1_5240



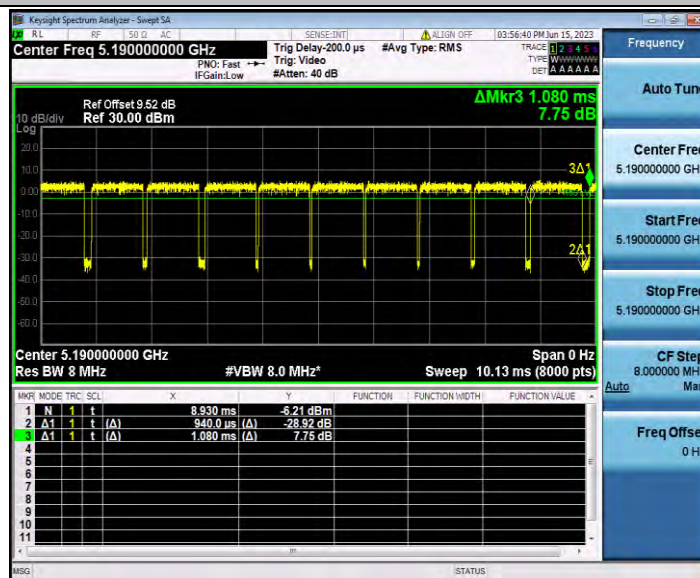
11N40SISO_Ant1_5190



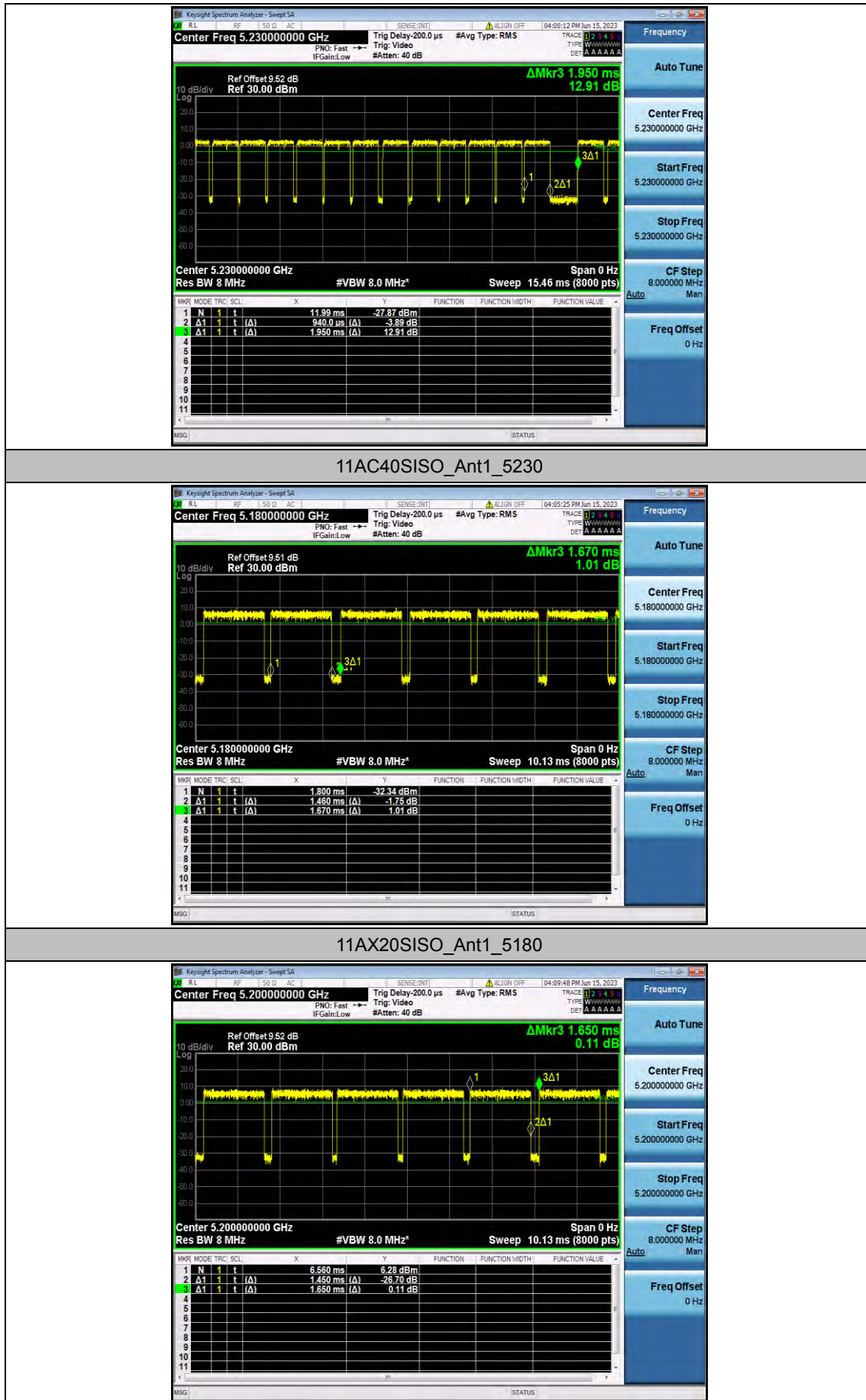
11AC20SISO_Ant1_5200



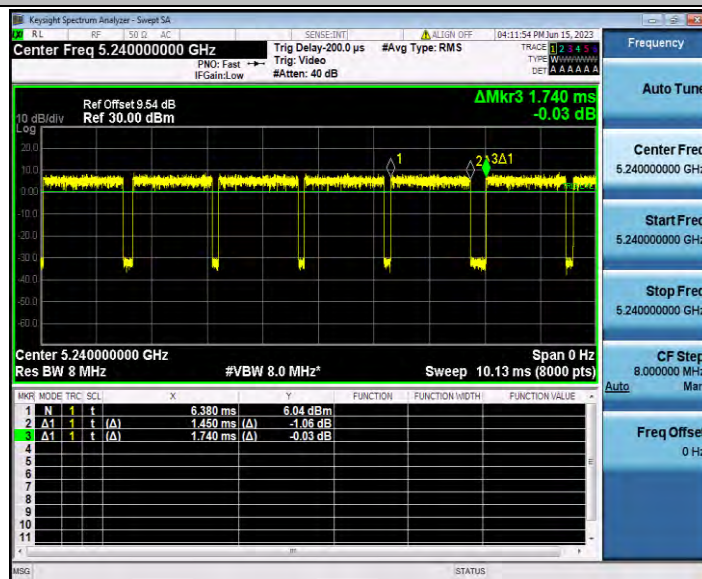
11AC20SISO_Ant1_5240



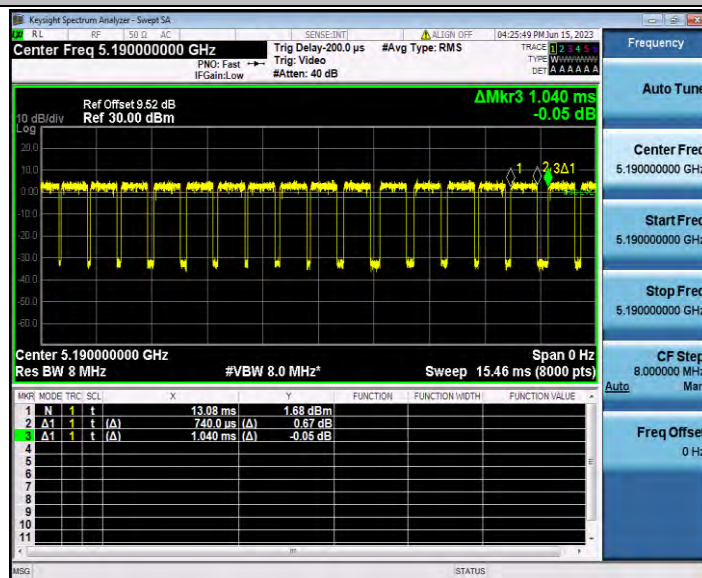
11AC40SISO_Ant1_5190



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190

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	9.00	86.38	0.64	9.64	≤23.98	PASS
		5200	8.80	92.27	0.35	9.15	≤23.98	PASS
		5240	8.28	89.08	0.50	8.78	≤23.98	PASS
11N20SISO	Ant1	5180	8.76	89.15	0.50	9.26	≤23.98	PASS
		5200	8.64	91.30	0.40	9.04	≤23.98	PASS
		5240	8.16	75.60	1.21	9.37	≤23.98	PASS
11N40SISO	Ant1	5190	8.26	80.87	0.92	9.18	≤23.98	PASS
		5230	8.48	86.11	0.65	9.13	≤23.98	PASS
11AC20SISO	Ant1	5180	9.37	89.20	0.50	9.87	≤23.98	PASS
		5200	9.33	83.33	0.79	10.12	≤23.98	PASS
		5240	8.56	91.79	0.37	8.93	≤23.98	PASS
11AC40SISO	Ant1	5190	8.75	87.04	0.60	9.35	≤23.98	PASS
		5230	8.46	48.21	3.17	11.63	≤23.98	PASS
11AX20SISO	Ant1	5180	9.65	87.43	0.58	10.23	≤23.98	PASS
		5200	9.33	87.88	0.56	9.89	≤23.98	PASS
		5240	8.07	83.33	0.79	8.86	≤23.98	PASS
11AX40SISO	Ant1	5190	8.70	71.15	1.48	10.18	≤23.98	PASS
		5230	8.07	60.16	2.21	10.28	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

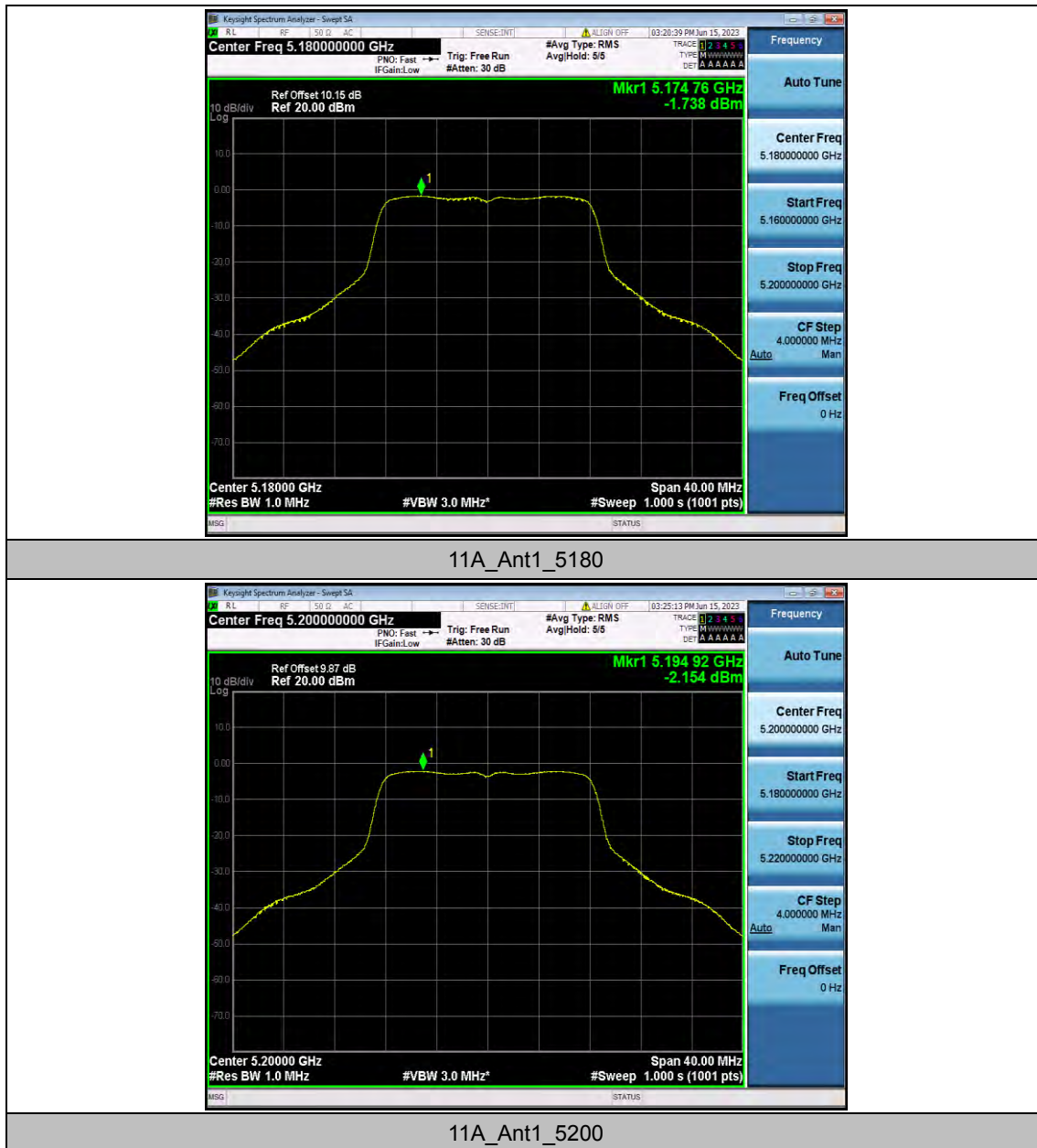
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.74	≤11.00	PASS
		5200	-2.15	≤11.00	PASS
		5240	-2.48	≤11.00	PASS
11N20SISO	Ant1	5180	-2.37	≤11.00	PASS
		5200	-2.49	≤11.00	PASS
		5240	-1.98	≤11.00	PASS
11N40SISO	Ant1	5190	-5.51	≤11.00	PASS
		5230	-5.24	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.66	≤11.00	PASS
		5200	-1.29	≤11.00	PASS
		5240	-2.16	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.86	≤11.00	PASS
		5230	-2.68	≤11.00	PASS
11AX20SISO	Ant1	5180	-1.64	≤11.00	PASS
		5200	-1.84	≤11.00	PASS
		5240	-1.99	≤11.00	PASS
11AX40SISO	Ant1	5190	-4.2	≤11.00	PASS
		5230	-3.59	≤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





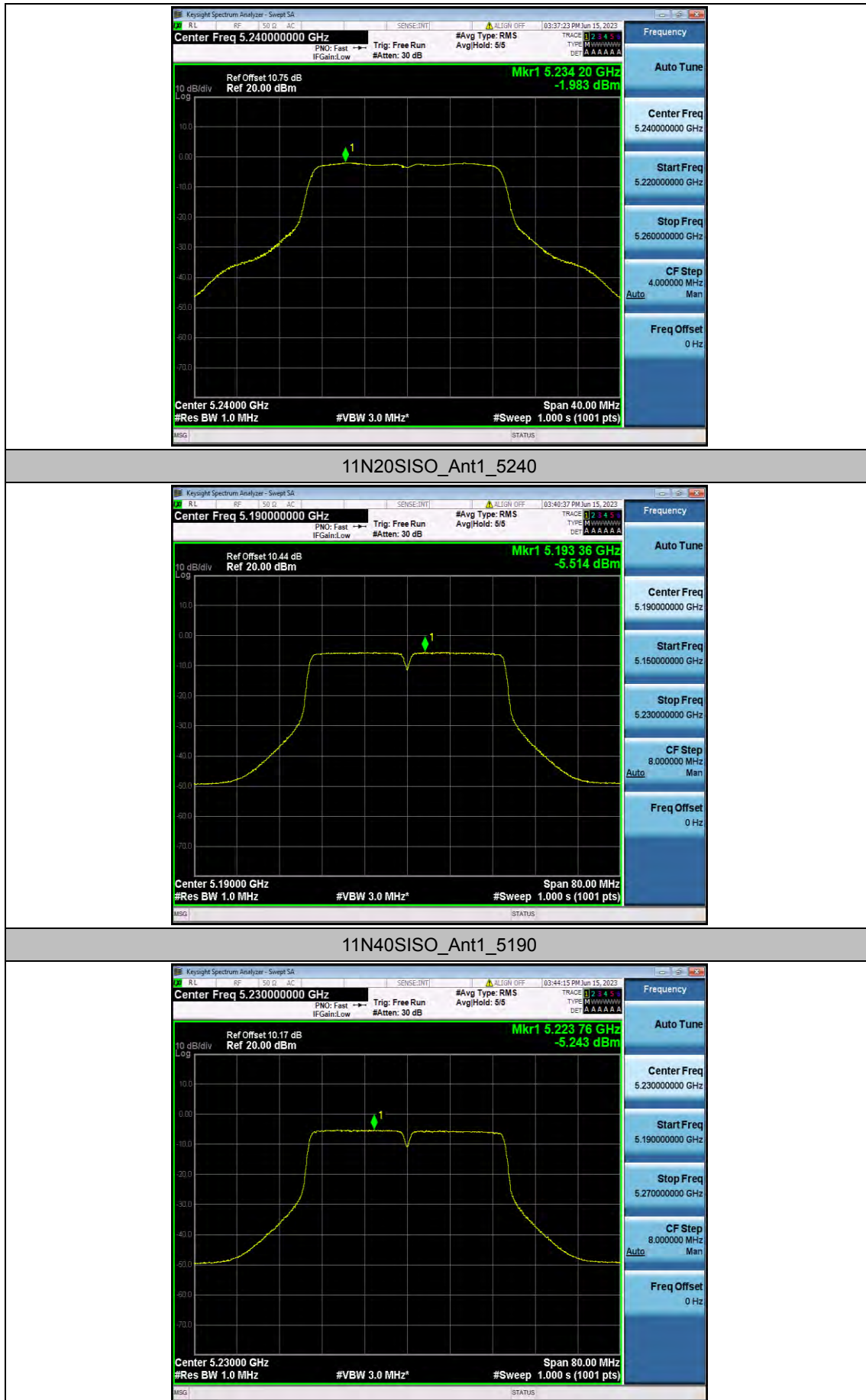
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



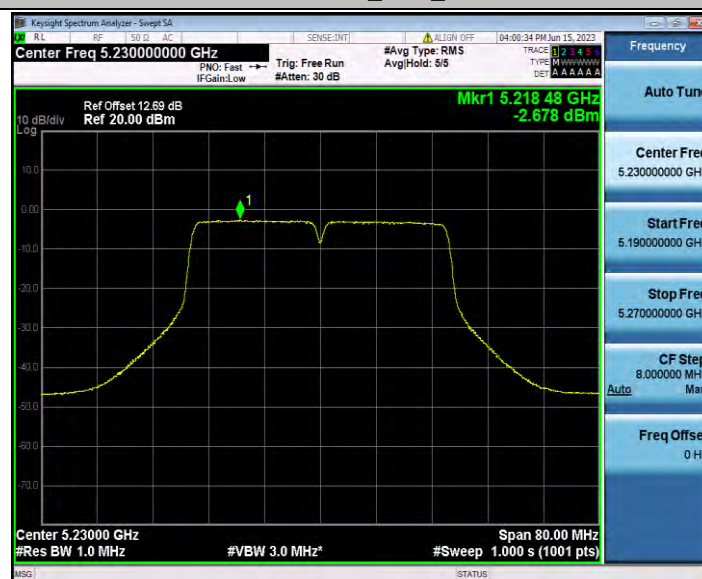
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



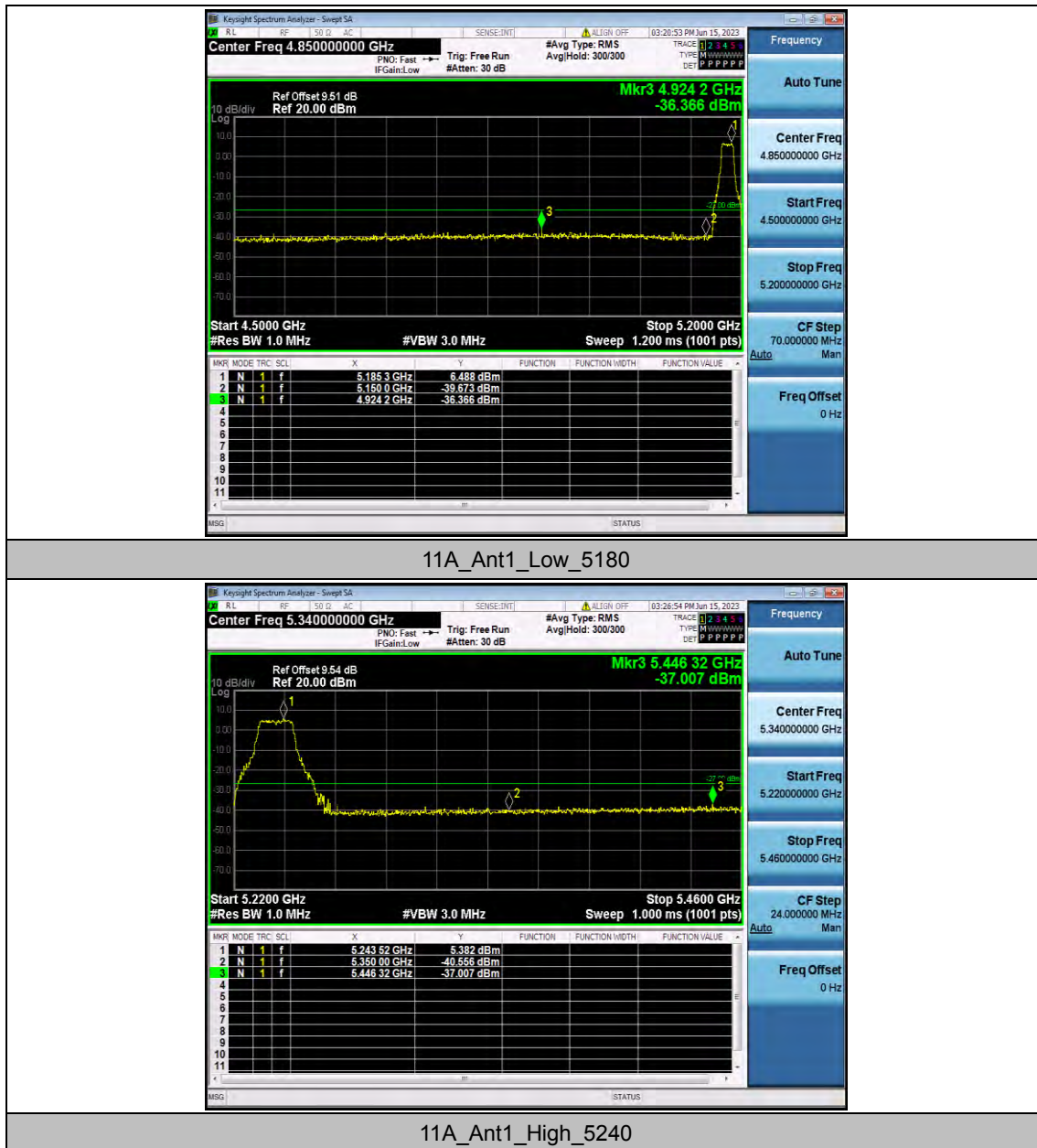
11AX40SISO_Ant1_5230

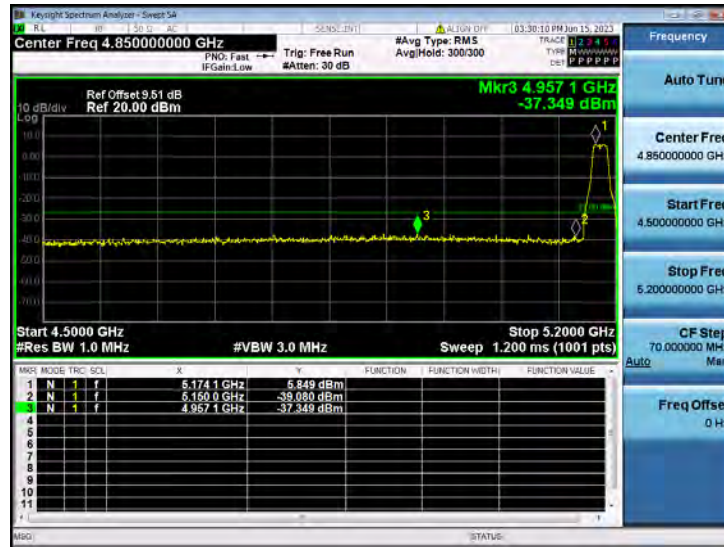
Appendix D.6: Band edge measurements

Test Result B1

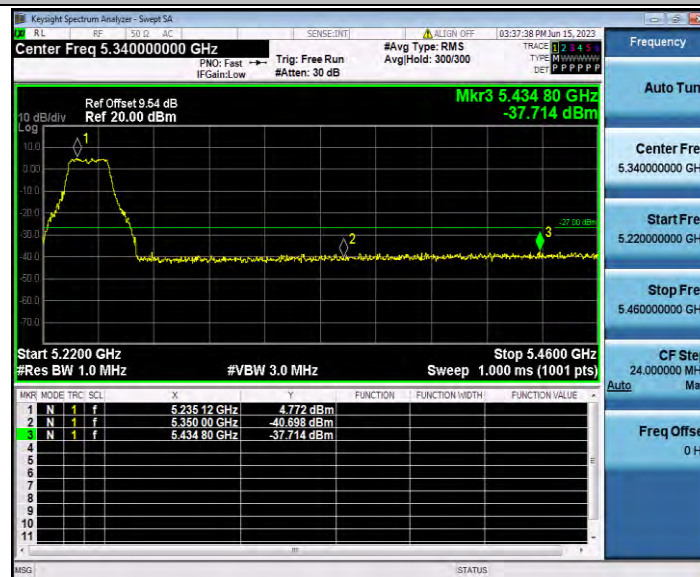
Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.37	≤ -27	PASS
		High	5240	-37.01	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-37.35	≤ -27	PASS
		High	5240	-37.71	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-36.74	≤ -27	PASS
		High	5230	-38.12	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-36.56	≤ -27	PASS
		High	5240	-37.05	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-37.41	≤ -27	PASS
		High	5230	-36.86	≤ -27	PASS
11AX20SISO	Ant1	Low	5180	-37.38	≤ -27	PASS
		High	5240	-36.94	≤ -27	PASS
11AX40SISO	Ant1	Low	5190	-35.56	≤ -27	PASS
		High	5230	-35.76	≤ -27	PASS

Test Graphs B1

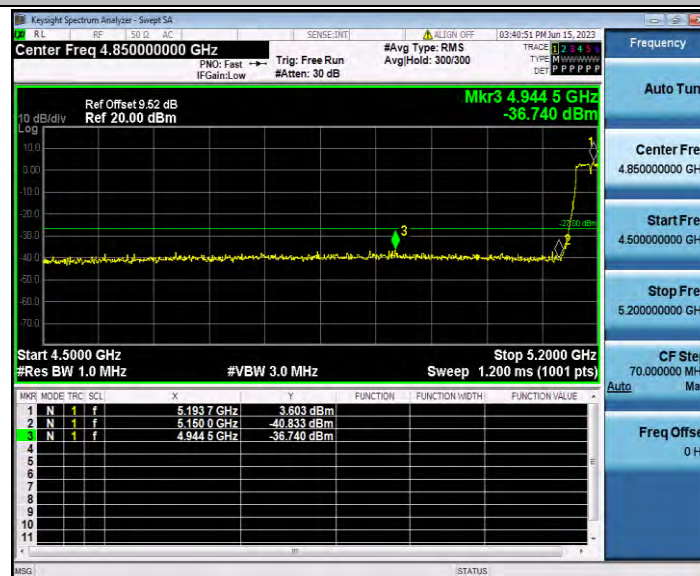




11N20SISO_Ant1_Low_5180



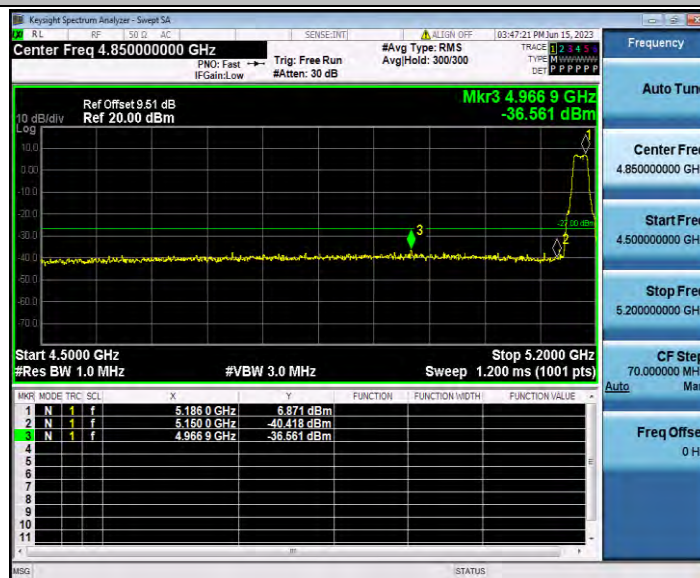
11N20SISO_Ant1_High_5240



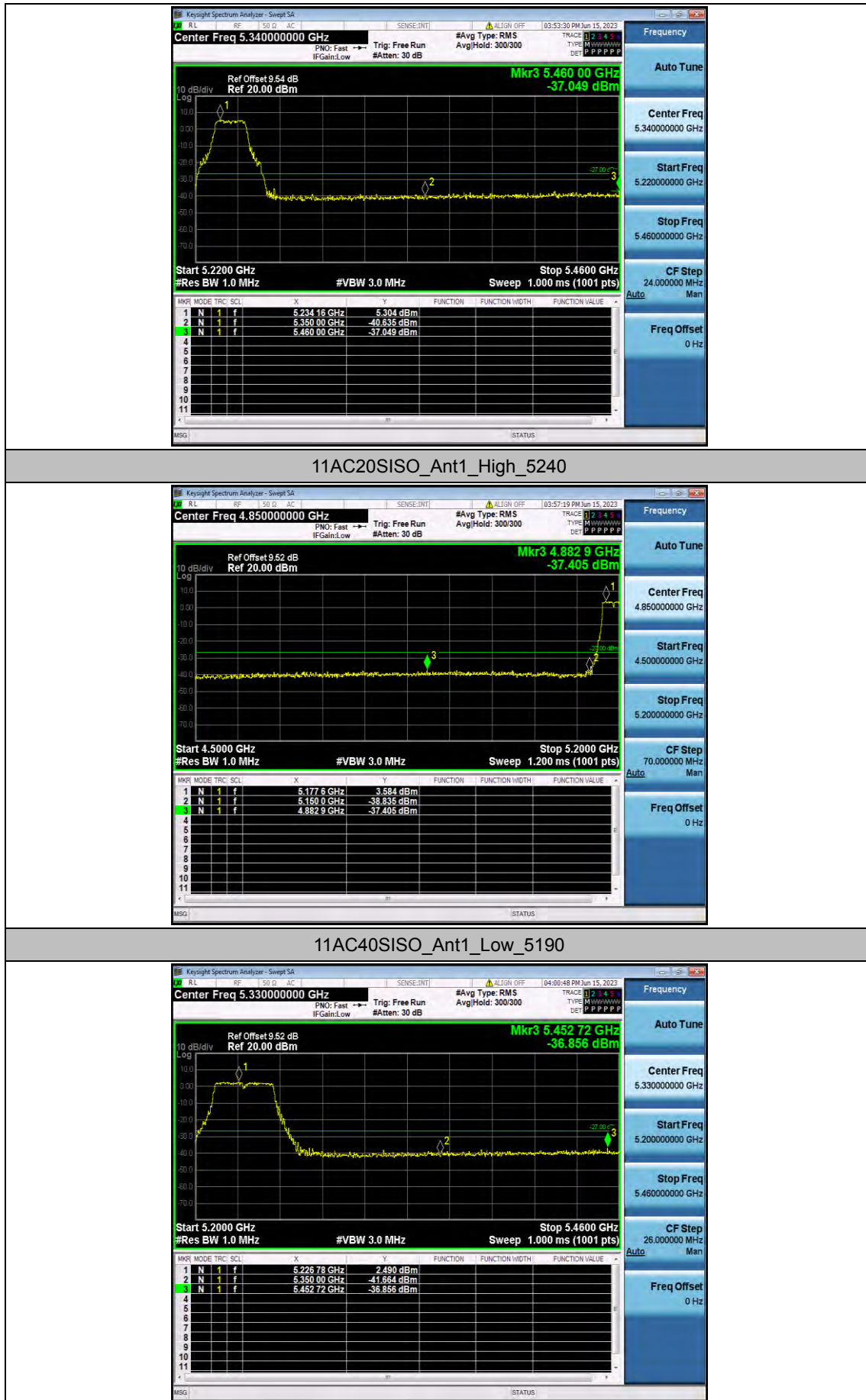
11N40SISO_Ant1_Low_5190



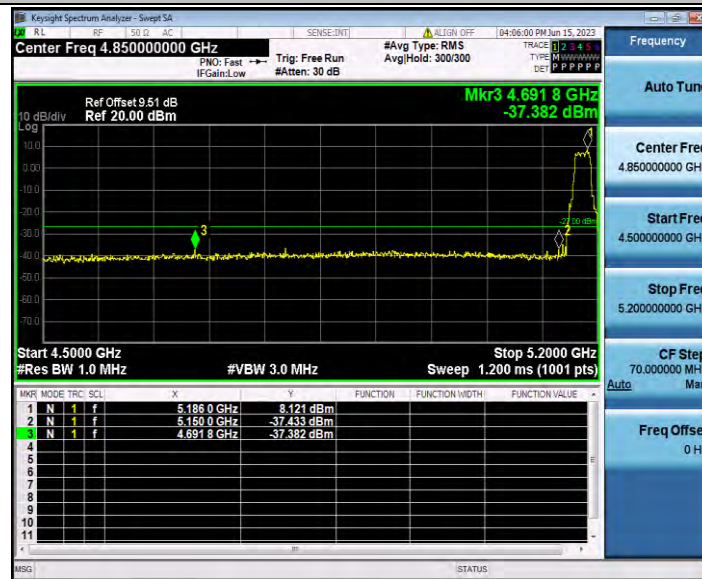
11N40SISO_Ant1_High_5230



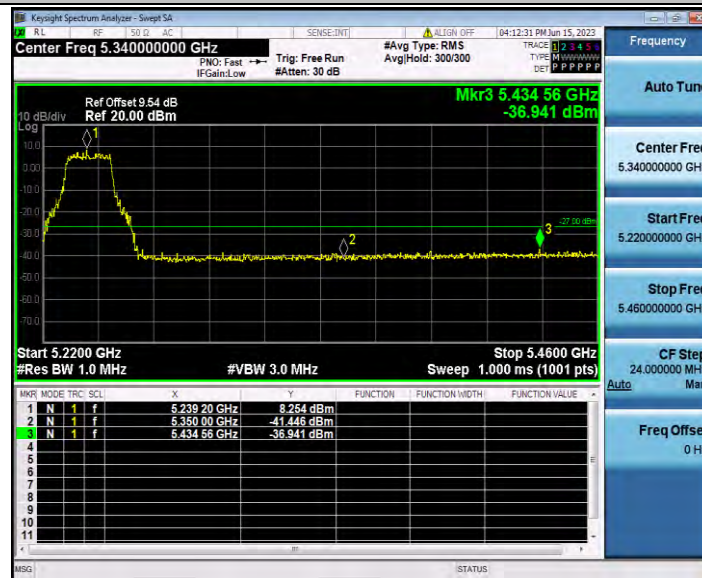
11AC20SISO_Ant1_Low_5180



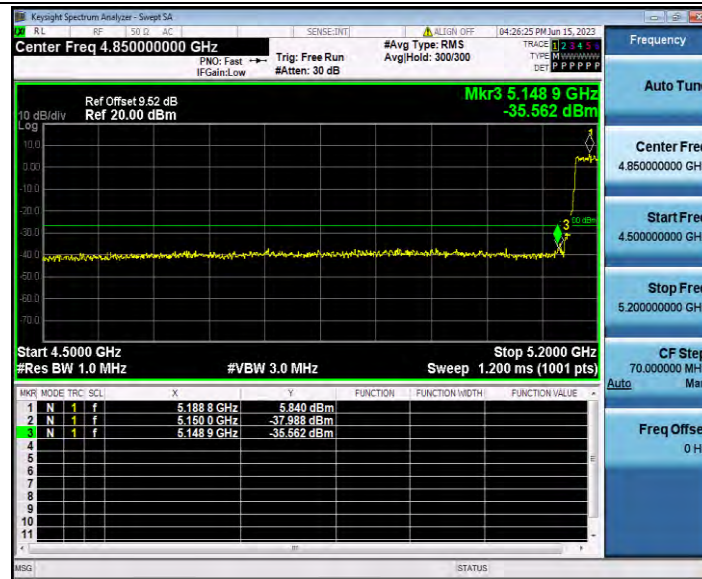
11AC40SISO_Ant1_High_5230



11AX20SISO_Ant1_Low_5180



11AX20SISO_Ant1_High_5240



11AX40SISO_Ant1_Low_5190



11AX40SISO_Ant1_High_5230