

Case No. : <u>GTS20250901012-5-04</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.9.26</u>	Test Engineer: <u>Evan ouyang</u>

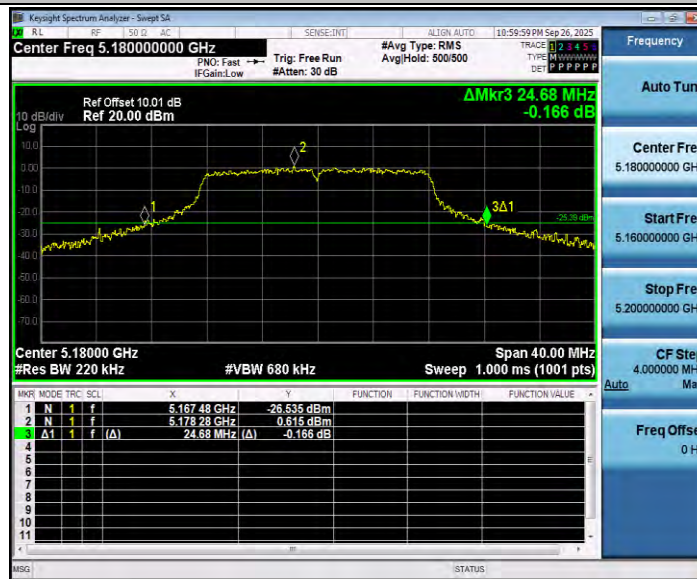
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.680	5167.480	5192.160	---	---
		5200	25.880	5187.080	5212.960	---	---
		5240	24.840	5227.600	5252.440	---	---
11N20SISO	Ant1	5180	26.080	5167.000	5193.080	---	---
		5200	27.040	5187.040	5214.080	---	---
		5240	27.880	5224.520	5252.400	---	---
11N40SISO	Ant1	5190	45.680	5167.920	5213.600	---	---
		5230	45.440	5207.440	5252.880	---	---
11AC20SISO	Ant1	5180	26.120	5166.920	5193.040	---	---
		5200	25.800	5187.480	5213.280	---	---
		5240	25.400	5227.240	5252.640	---	---
11AC40SISO	Ant1	5190	47.360	5167.280	5214.640	---	---
		5230	46.080	5207.280	5253.360	---	---
11AX20SISO	Ant1	5180	27.600	5166.760	5194.360	---	---
		5200	25.880	5187.360	5213.240	---	---
		5240	28.080	5226.320	5254.400	---	---
11AX40SISO	Ant1	5190	44.800	5168.160	5212.960	---	---
		5230	43.840	5207.840	5251.680	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



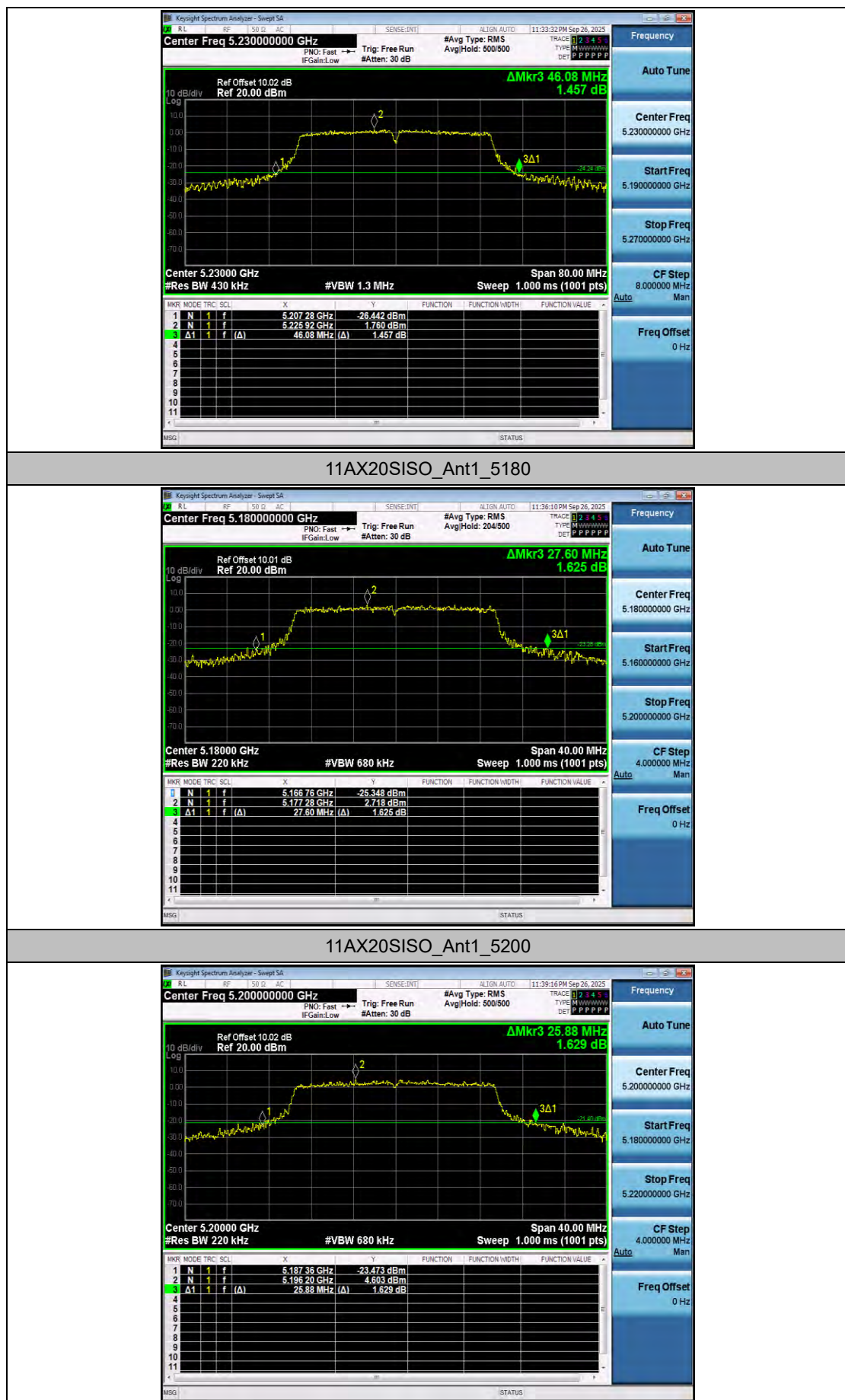
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



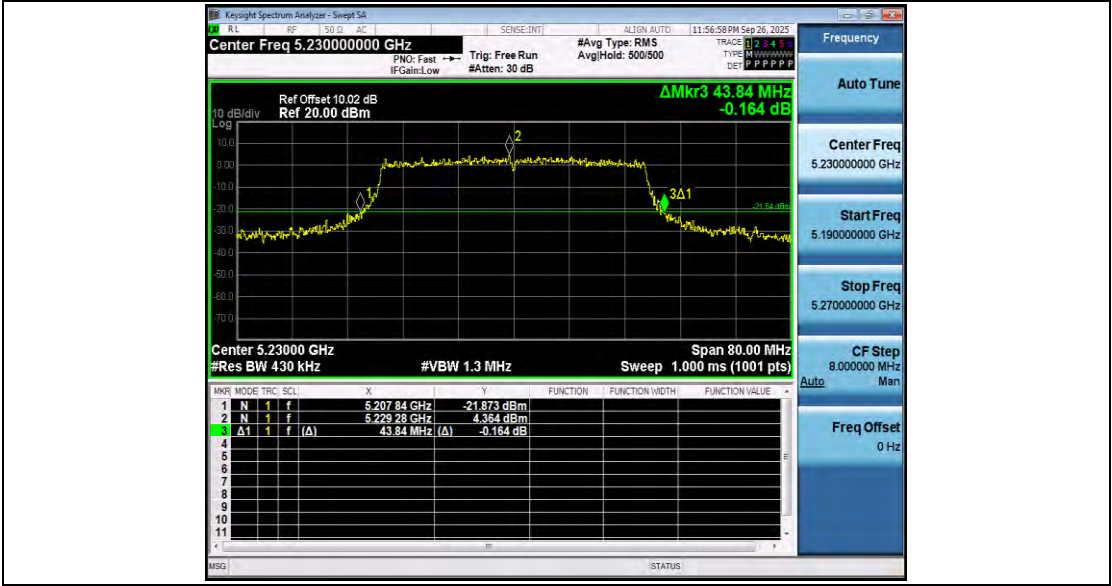
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

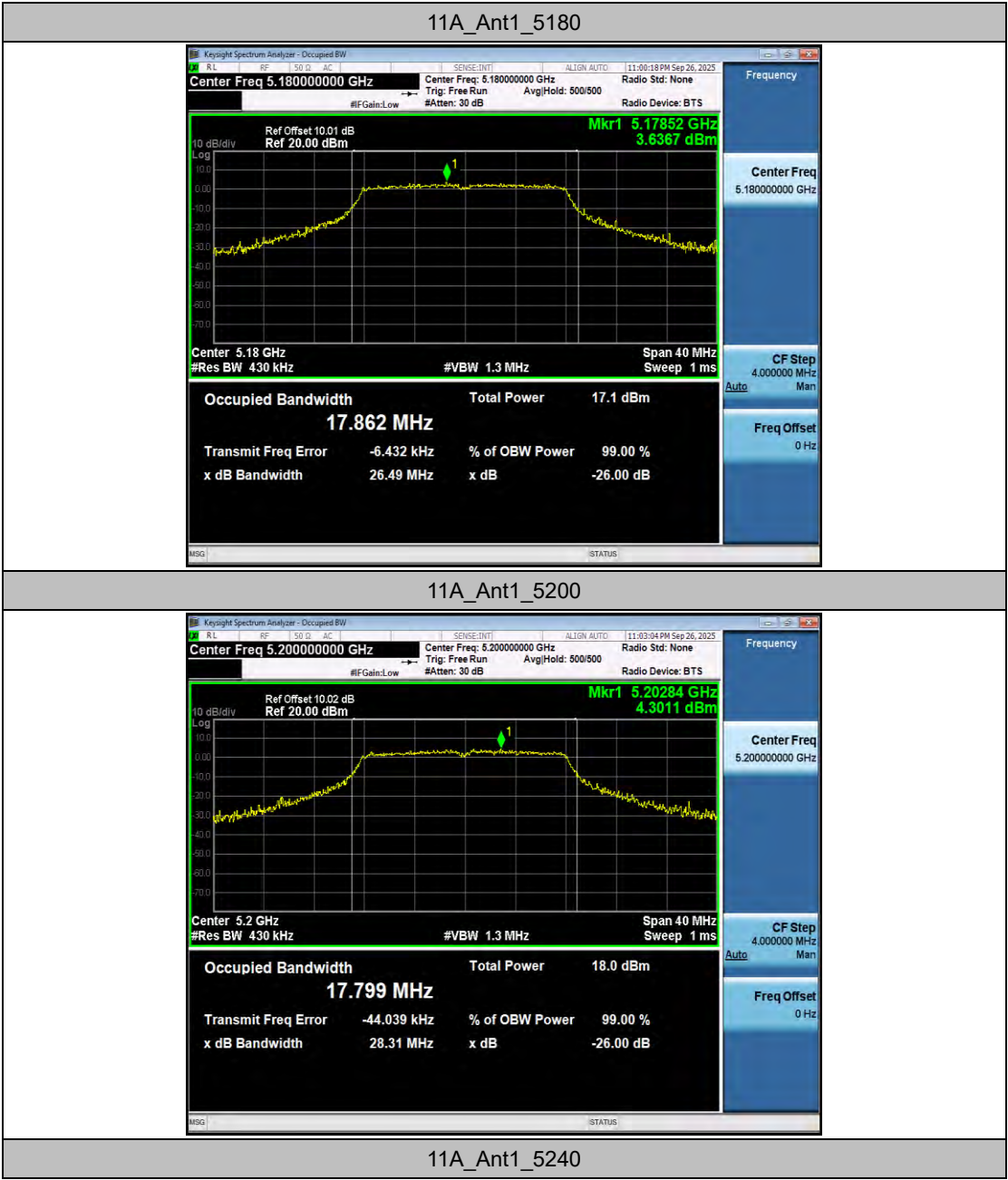


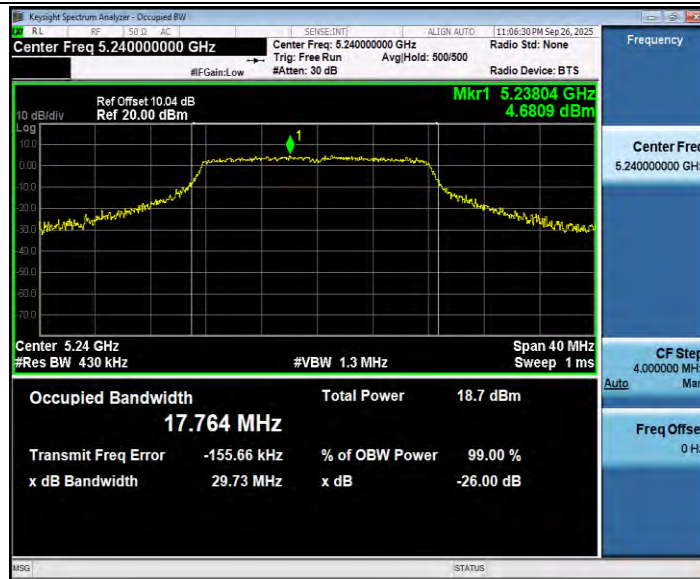
Appendix D.2: Occupied channel bandwidth

Test Result

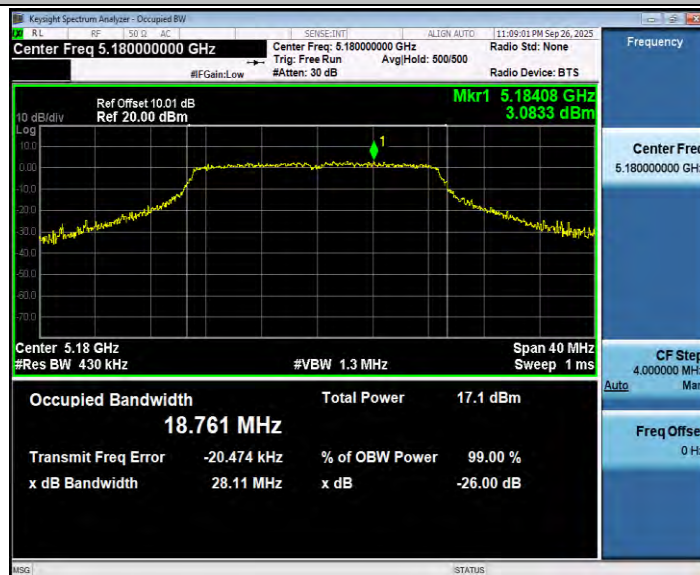
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.862	5171.0626	5188.9246	---	---
		5200	17.799	5191.0565	5208.8555	---	---
		5240	17.764	5230.9623	5248.7263	---	---
11N20SISO	Ant1	5180	18.761	5170.5990	5189.3600	---	---
		5200	18.820	5190.5901	5209.4101	---	---
		5240	18.813	5230.4773	5249.2903	---	---
11N40SISO	Ant1	5190	37.183	5171.5278	5208.7108	---	---
		5230	37.288	5211.3245	5248.6125	---	---
11AC20SISO	Ant1	5180	18.789	5170.5989	5189.3879	---	---
		5200	18.786	5190.6568	5209.4428	---	---
		5240	18.791	5230.5361	5249.3271	---	---
11AC40SISO	Ant1	5190	37.447	5171.4469	5208.8939	---	---
		5230	37.348	5211.3500	5248.6980	---	---
11AX20SISO	Ant1	5180	19.523	5170.2780	5189.8010	---	---
		5200	19.582	5190.2179	5209.7999	---	---
		5240	19.508	5230.1664	5249.6744	---	---
11AX40SISO	Ant1	5190	38.356	5170.8634	5209.2194	---	---
		5230	38.303	5210.8651	5249.1681	---	---

Test Graphs



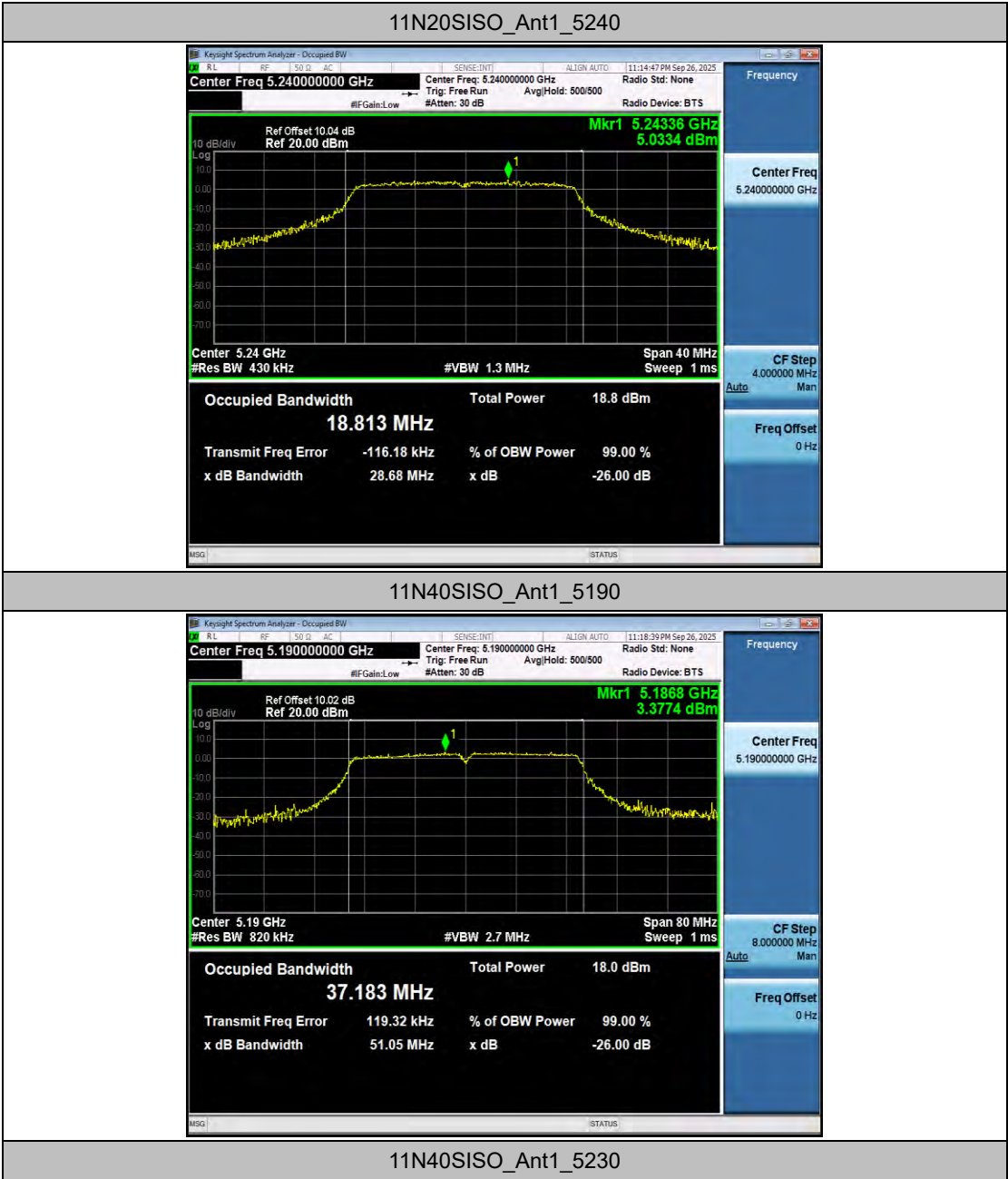


11N20SISO_Ant1_5180



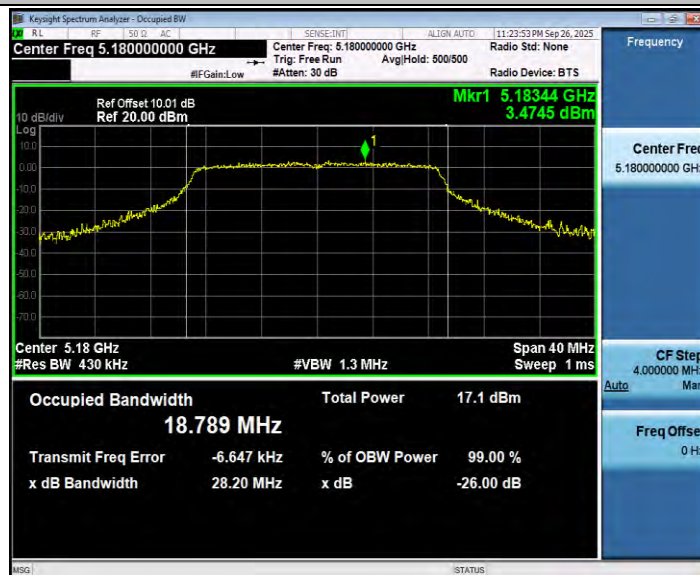
11N20SISO_Ant1_5200





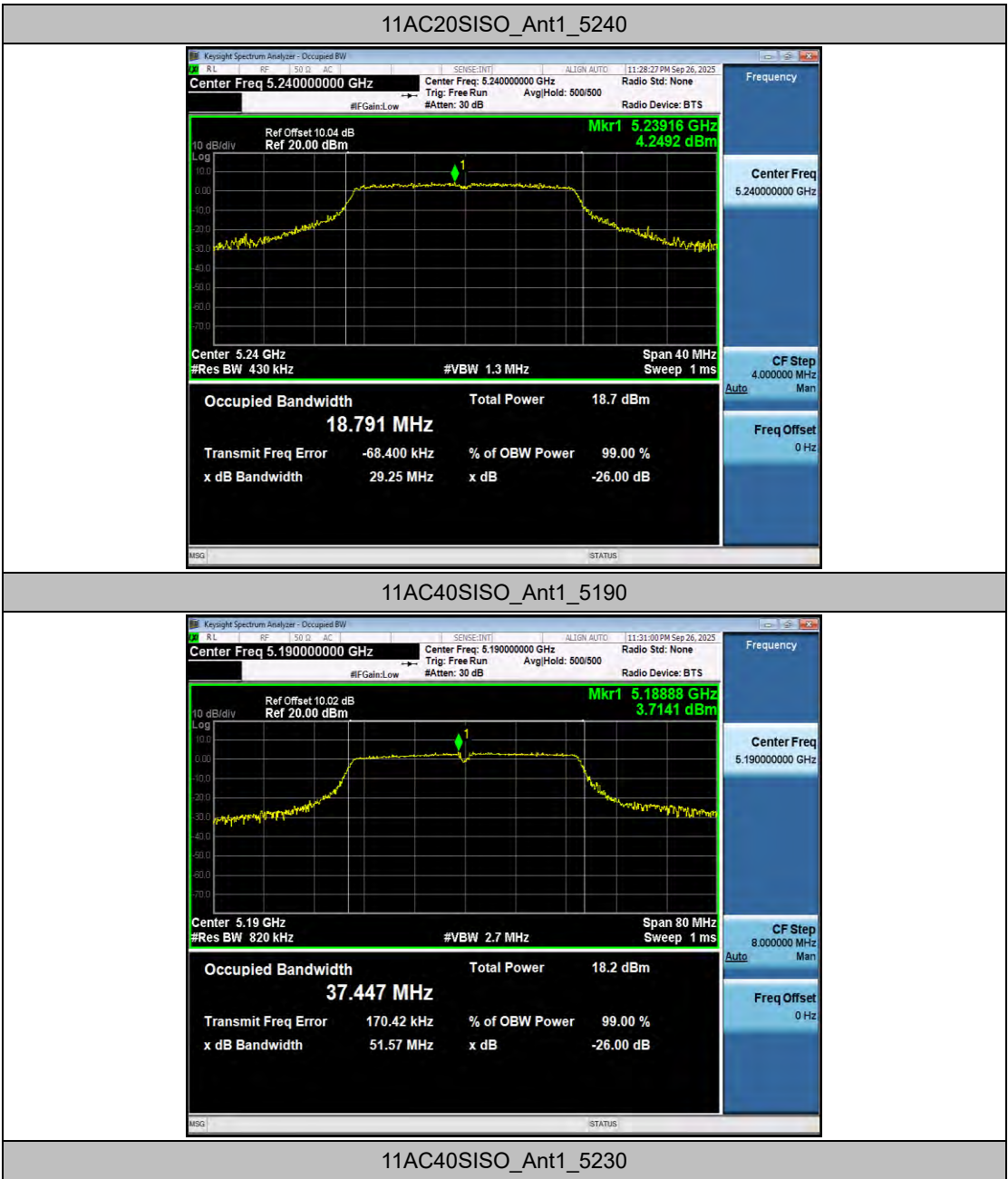


11AC20SISO_Ant1_5180



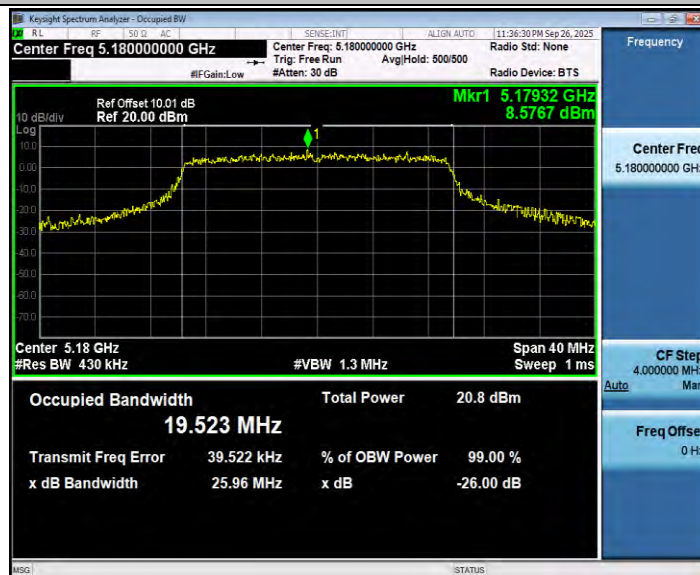
11AC20SISO_Ant1_5200







11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

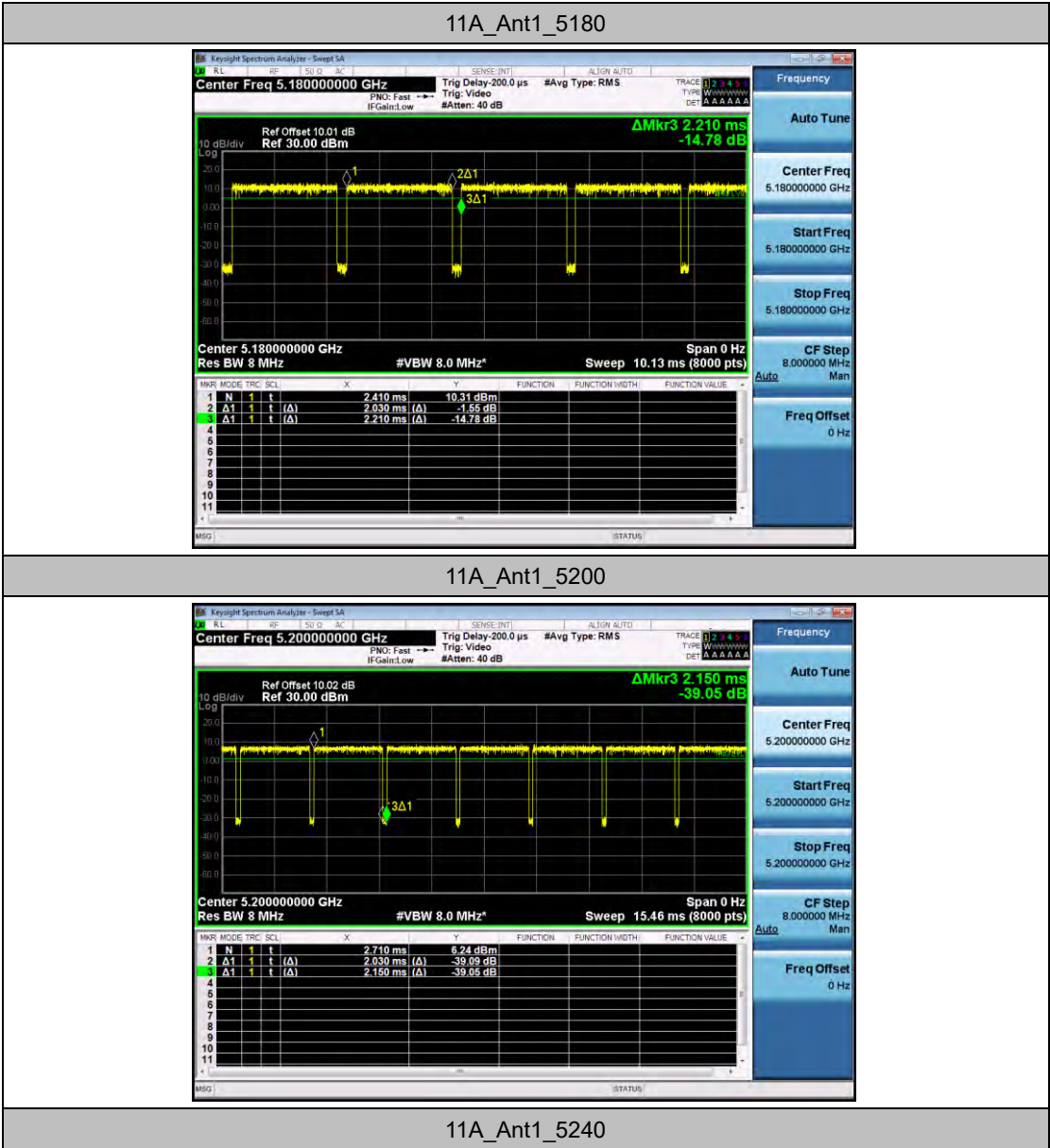


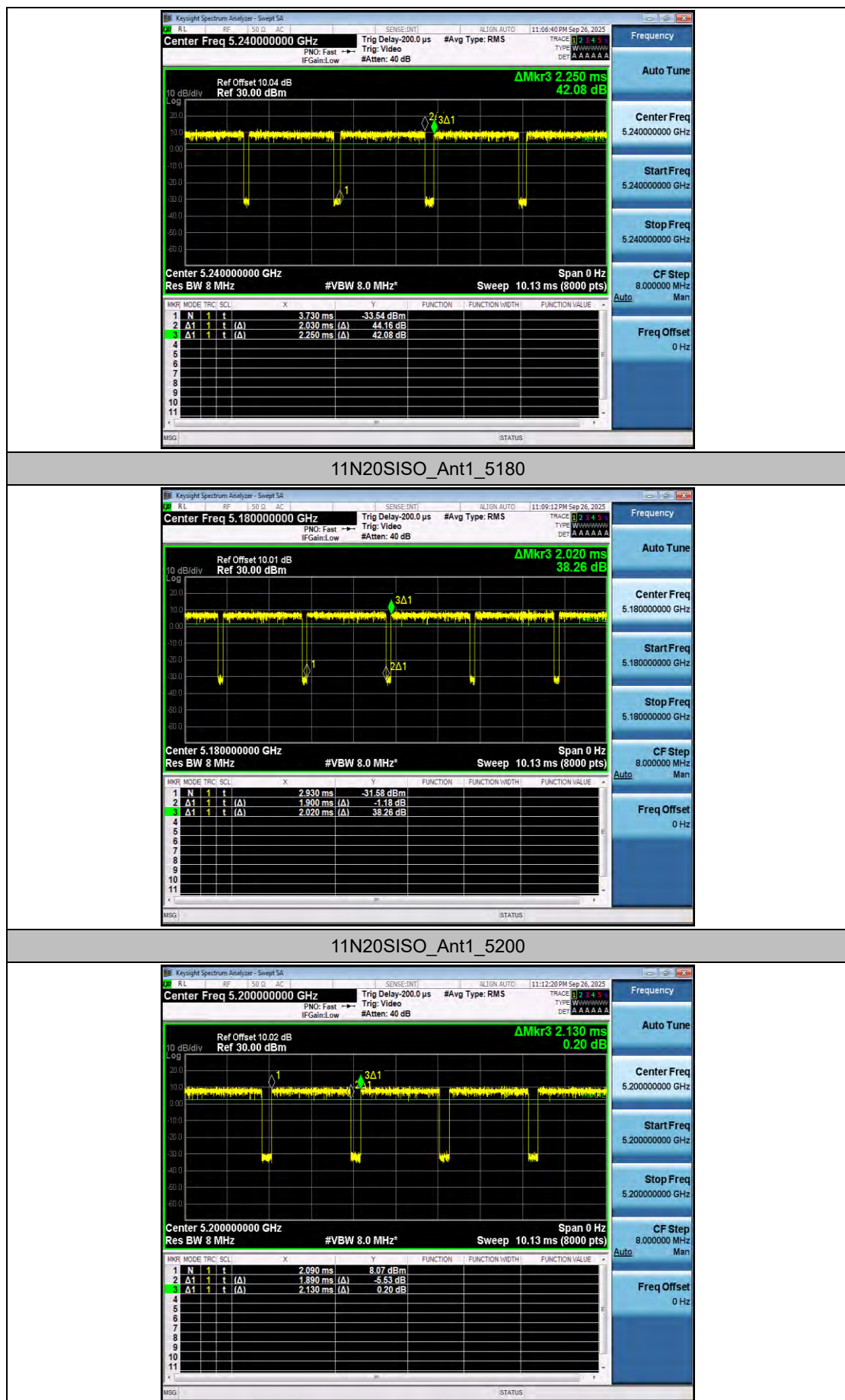
Appendix 3: Duty Cycle

Test Result

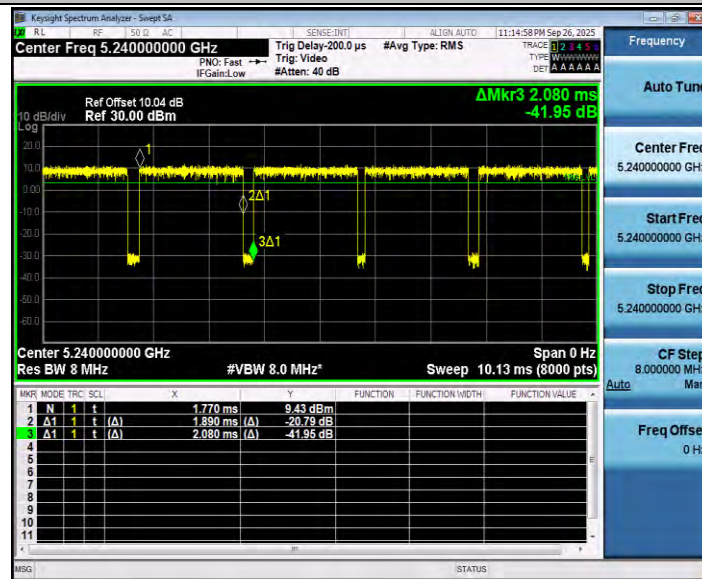
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.21	91.86	0.37	0.49
		5200	2.03	2.15	94.42	0.25	0.49
		5240	2.03	2.25	90.22	0.45	0.49
11N20SISO	Ant1	5180	1.90	2.02	94.06	0.27	0.53
		5200	1.89	2.13	88.73	0.52	0.53
		5240	1.89	2.08	90.87	0.42	0.53
11N40SISO	Ant1	5190	0.93	1.37	67.88	1.68	1.08
		5230	0.93	1.15	80.87	0.92	1.08
11AC20SISO	Ant1	5180	1.90	2.13	89.20	0.50	0.53
		5200	1.90	2.12	89.62	0.48	0.53
		5240	1.90	2.11	90.05	0.46	0.53
11AC40SISO	Ant1	5190	0.94	1.12	83.93	0.76	1.06
		5230	0.94	1.17	80.34	0.95	1.06
11AX20SISO	Ant1	5180	1.46	1.80	81.11	0.91	0.68
		5200	1.46	1.69	86.39	0.64	0.68
		5240	1.46	1.67	87.43	0.58	0.68
11AX40SISO	Ant1	5190	0.76	0.98	77.55	1.10	1.32
		5230	0.76	1.25	60.80	2.16	1.32

Test Graphs

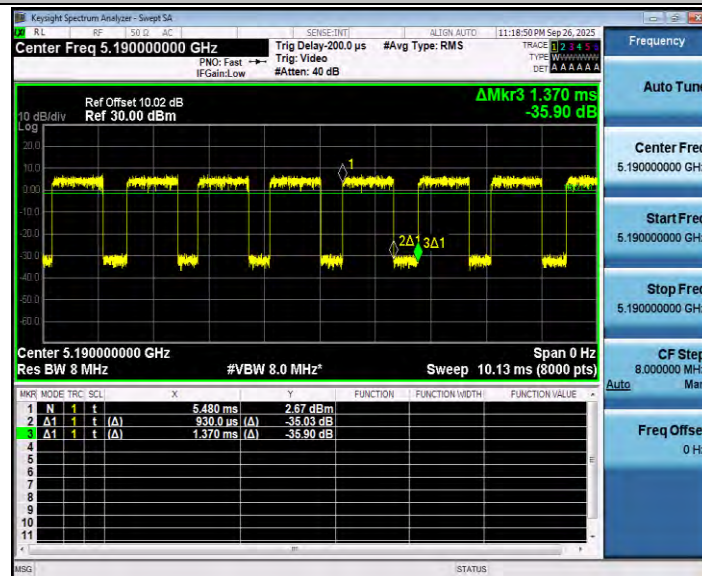




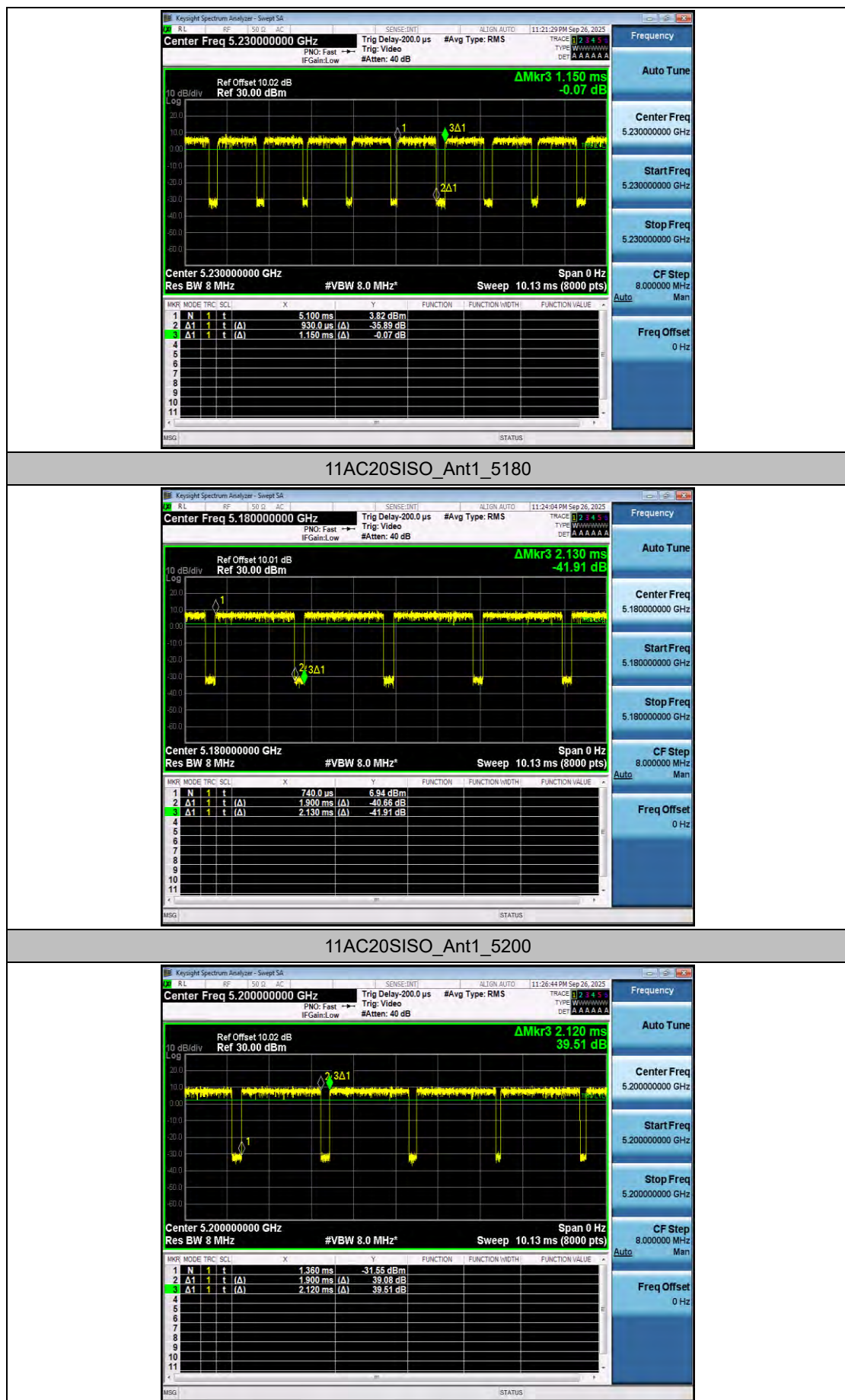
11N20SISO_Ant1_5240



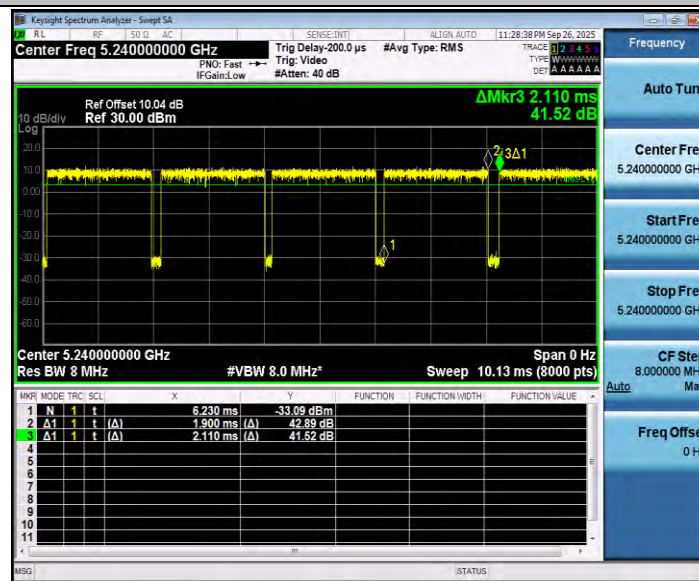
11N40SISO_Ant1_5190



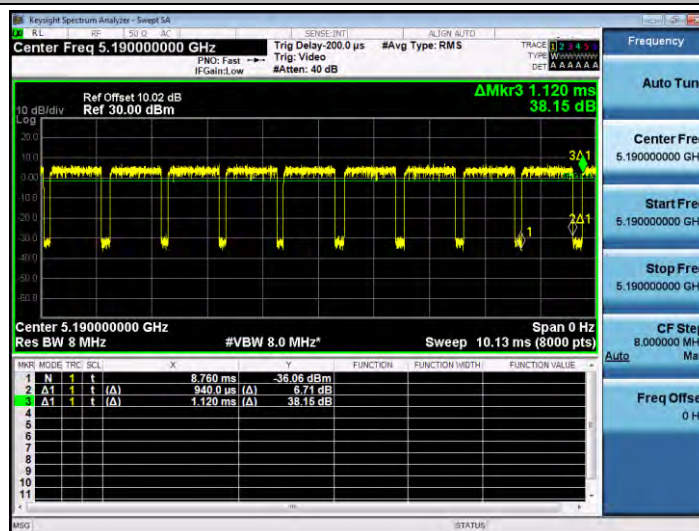
11N40SISO_Ant1_5230



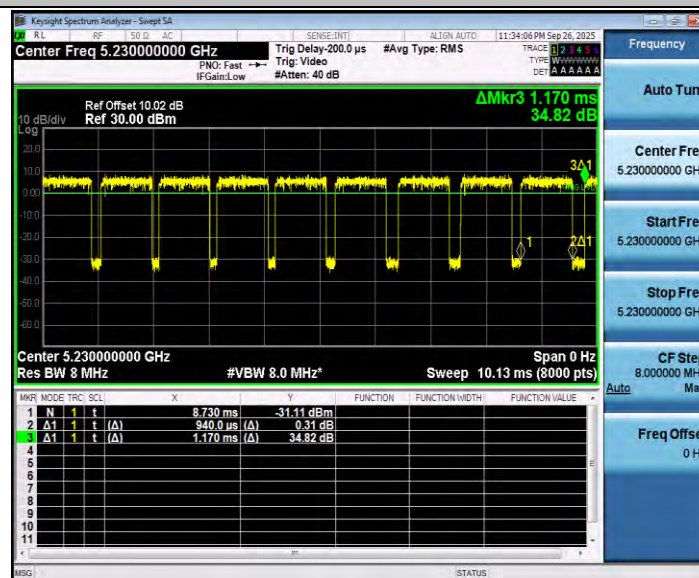
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230





Appendix D.4: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	9.91	88.31	0.54	10.45	≤23.98	PASS
		5200	---	10.79	87.18	0.60	11.39	≤23.98	PASS
		5240	---	11.51	90.22	0.45	11.96	≤23.98	PASS
11N20SI SO	Ant1	5180	---	9.99	94.06	0.27	10.26	≤23.98	PASS
		5200	---	10.82	88.73	0.52	11.34	≤23.98	PASS
		5240	---	11.58	90.87	0.42	12.00	≤23.98	PASS
11N40SI SO	Ant1	5190	---	9.82	67.88	1.68	11.50	≤23.98	PASS
		5230	---	11.16	80.87	0.92	12.08	≤23.98	PASS
11AC20S ISO	Ant1	5180	---	9.81	89.20	0.50	10.31	≤23.98	PASS
		5200	---	10.90	89.62	0.48	11.38	≤23.98	PASS
		5240	---	11.50	90.05	0.46	11.96	≤23.98	PASS
11AC40S ISO	Ant1	5190	---	9.51	80.17	0.96	10.47	≤23.98	PASS
		5230	---	10.75	80.34	0.95	11.70	≤23.98	PASS
11AX20S ISO	Ant1	5180	---	11.87	81.11	0.91	12.78	≤23.98	PASS
		5200	---	12.69	86.39	0.64	13.33	≤23.98	PASS
		5240	---	13.38	87.43	0.58	13.96	≤23.98	PASS
11AX40S ISO	Ant1	5190	---	10.12	77.55	1.10	11.22	≤23.98	PASS
		5230	---	10.94	60.80	2.16	13.10	≤23.98	PASS

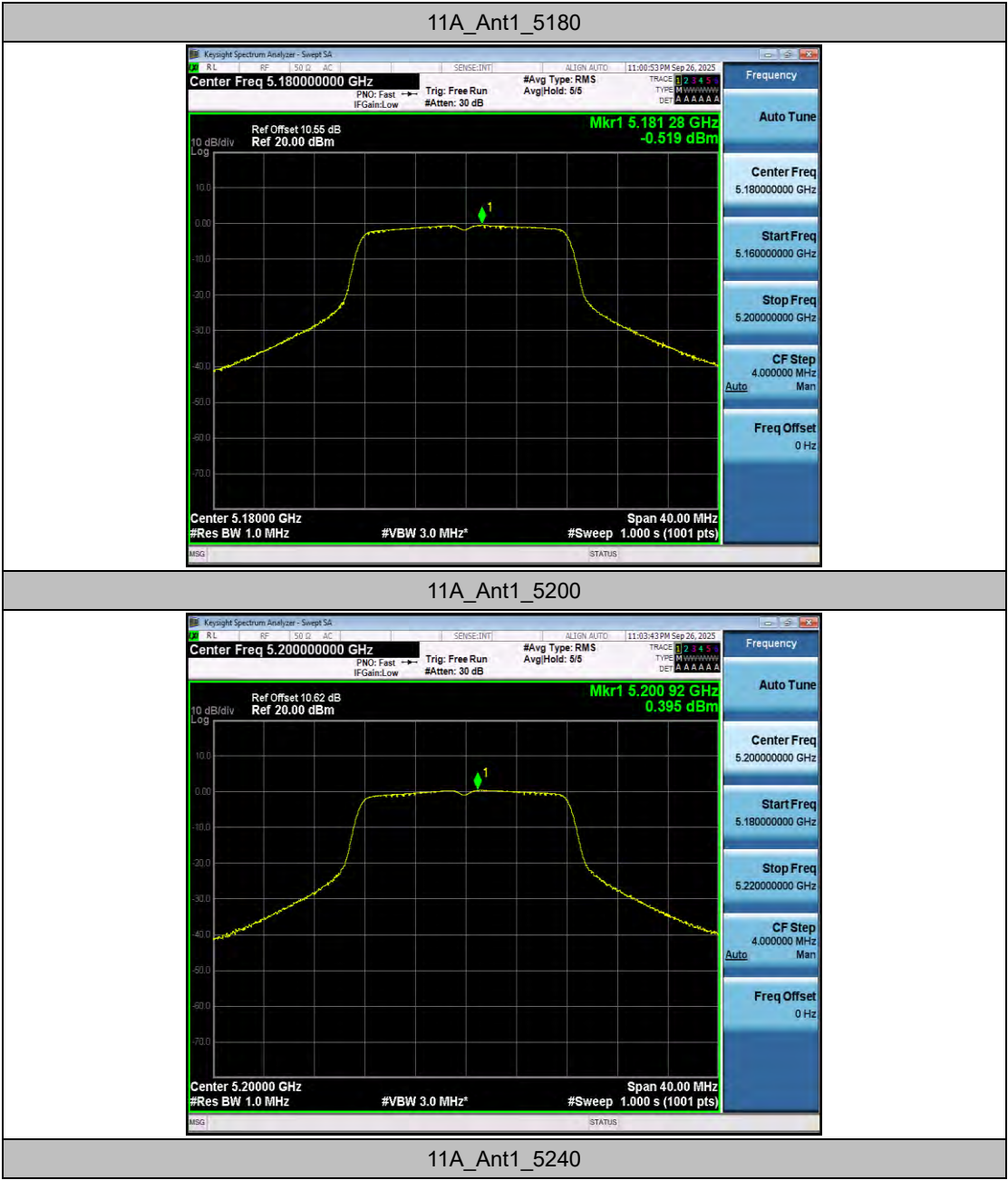
Appendix D.5: Maximum power spectral density

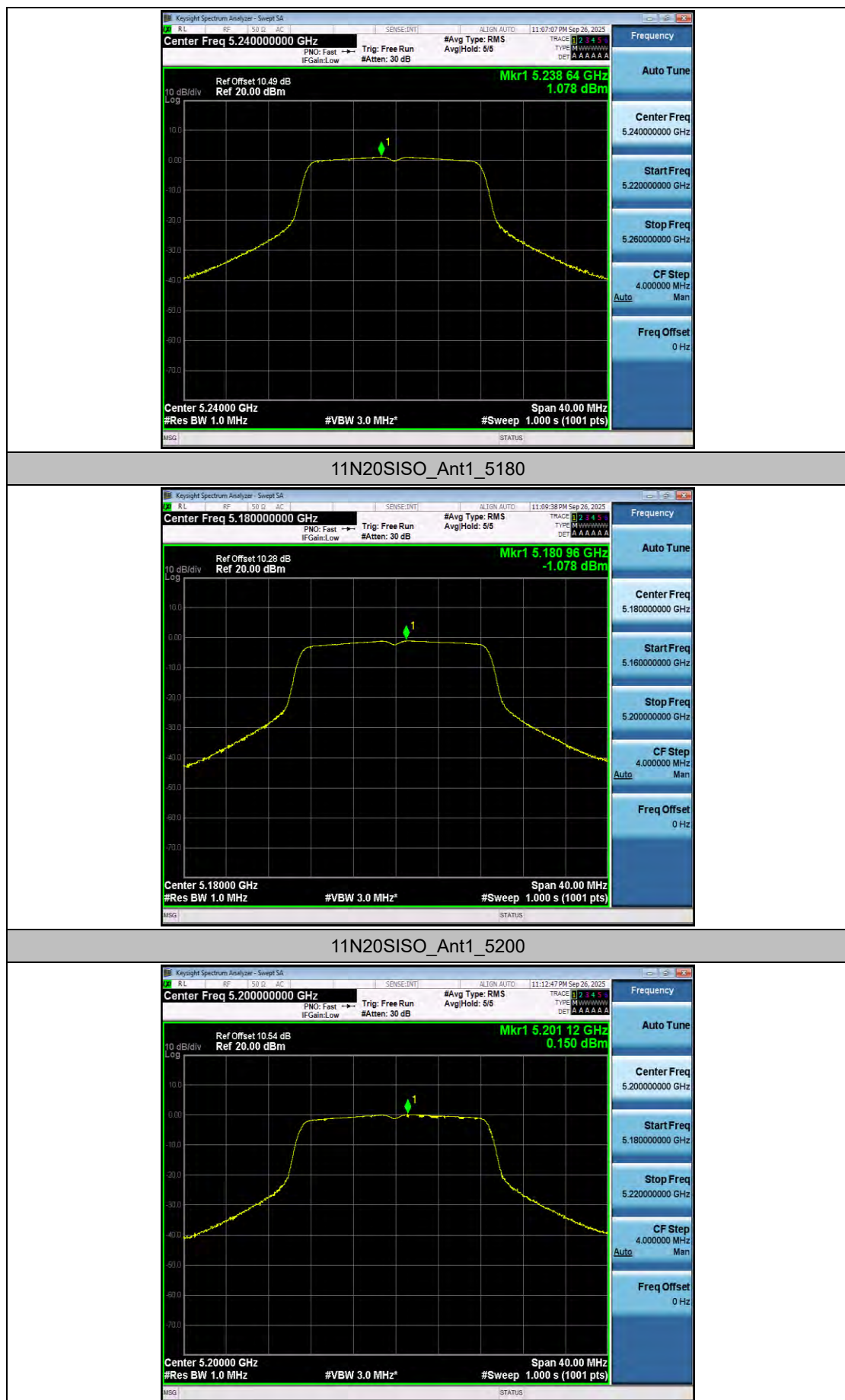
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.52	≤11.00	PASS
		5200	0.40	≤11.00	PASS
		5240	1.08	≤11.00	PASS
11N20SISO	Ant1	5180	-1.08	≤11.00	PASS
		5200	0.15	≤11.00	PASS
		5240	0.85	≤11.00	PASS
11N40SISO	Ant1	5190	-2.42	≤11.00	PASS
		5230	-2.11	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.89	≤11.00	PASS
		5200	0.09	≤11.00	PASS
		5240	0.73	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.89	≤11.00	PASS
		5230	-1.86	≤11.00	PASS
11AX20SISO	Ant1	5180	1.28	≤11.00	PASS
		5200	1.84	≤11.00	PASS
		5240	2.53	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.26	≤11.00	PASS
		5230	-0.87	≤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





11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



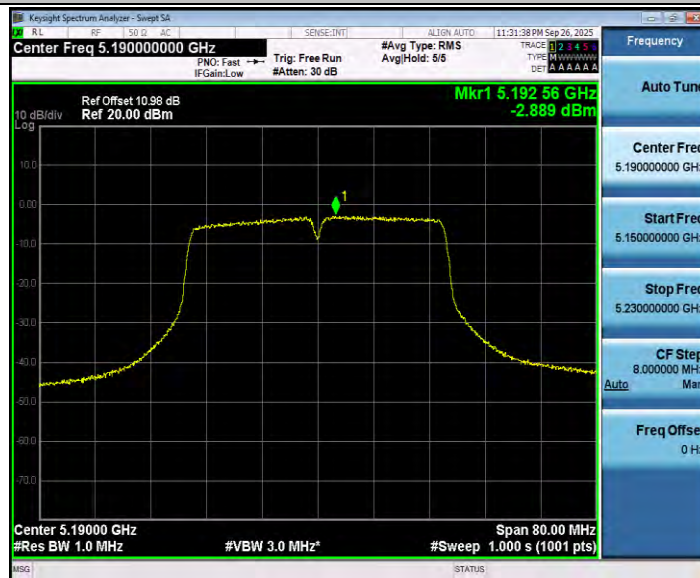
11AC20SISO_Ant1_5200



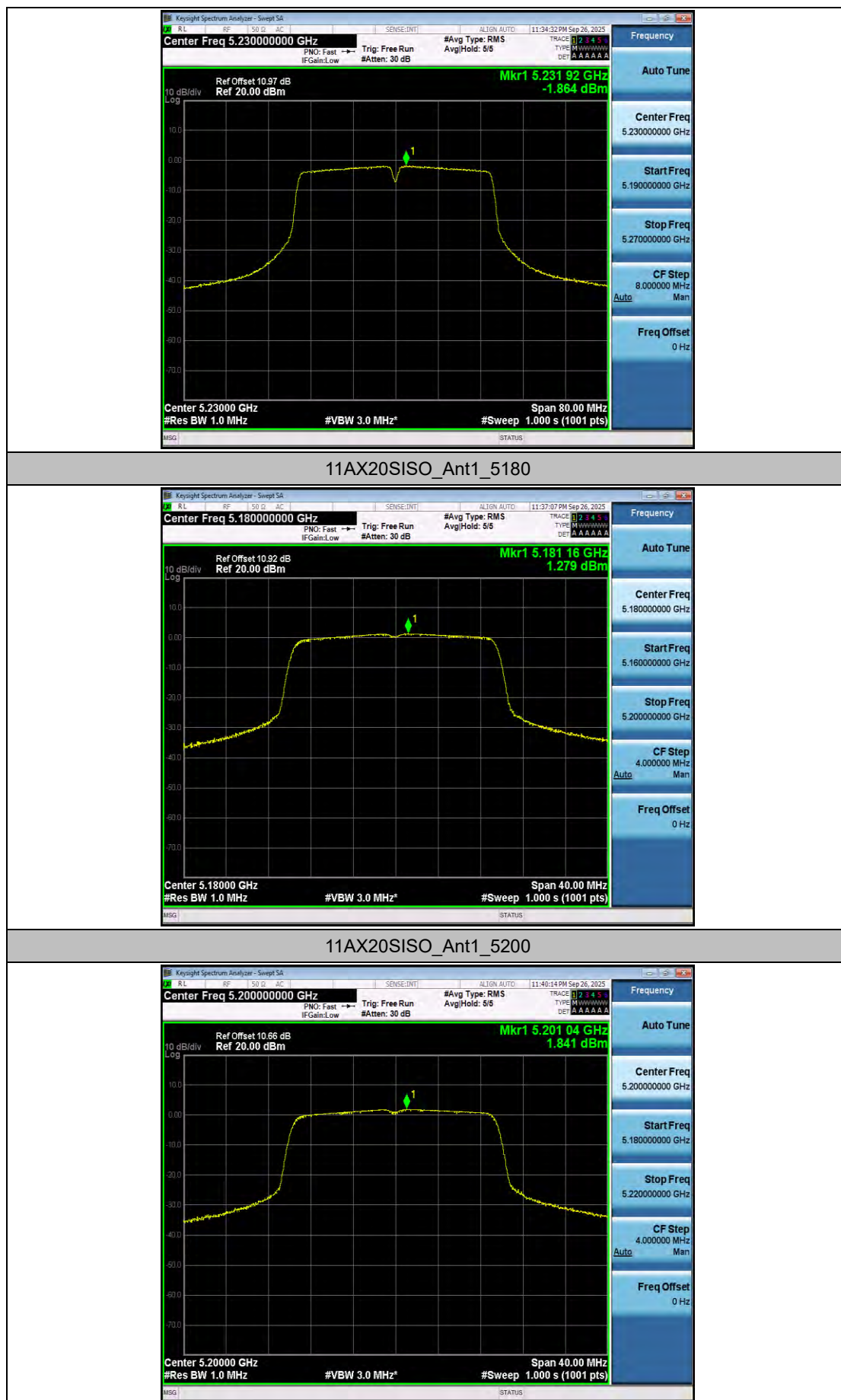
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



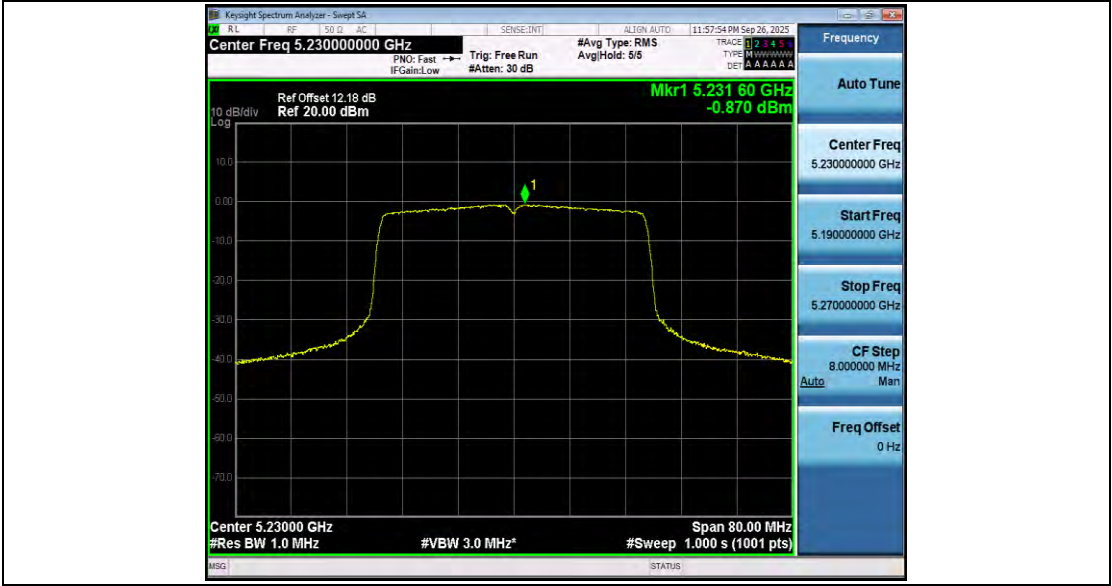
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



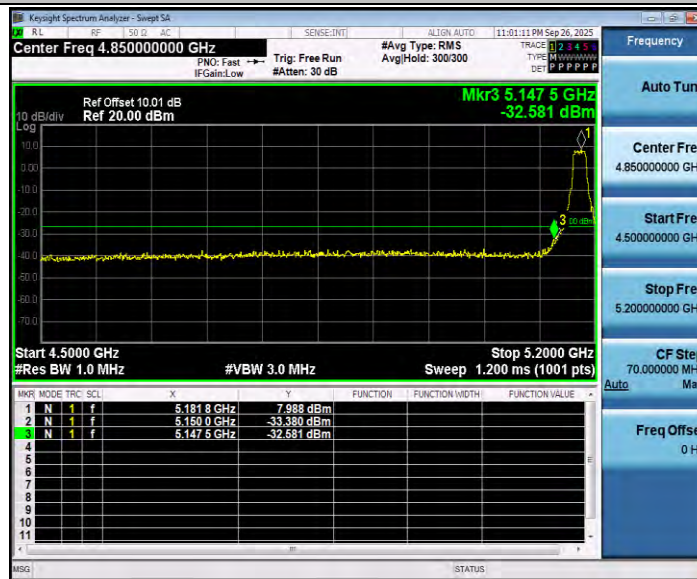
Appendix D.6: Band edge measurements

Test Result B1/2/3

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-32.58	≤ -27	PASS
		High	5240	-37.22	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-29.61	≤ -27	PASS
		High	5240	-36.2	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-29.5	≤ -27	PASS
		High	5230	-37.09	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-30.99	≤ -27	PASS
		High	5240	-37.29	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-29.8	≤ -27	PASS
		High	5230	-36.96	≤ -27	PASS
11AX20SISO	Ant1	Low	5180	-27.96	≤ -27	PASS
		High	5240	-37.47	≤ -27	PASS
11AX40SISO	Ant1	Low	5190	-31.59	≤ -27	PASS
		High	5230	-37.28	≤ -27	PASS

Test Graphs B1/2/3

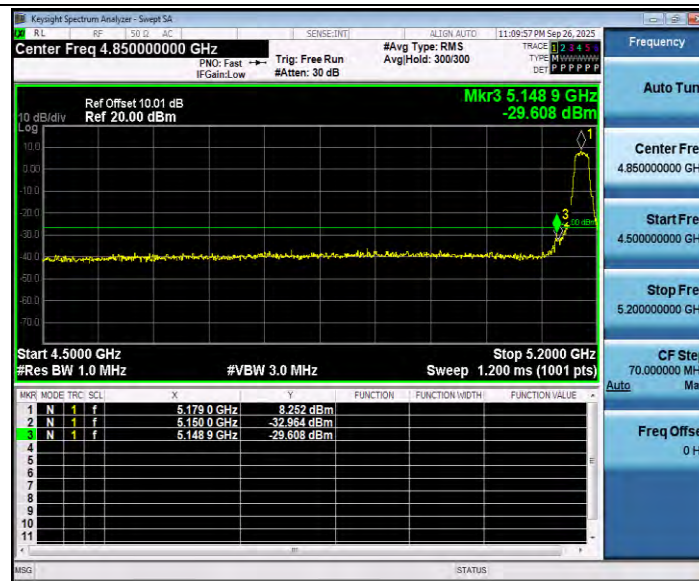
11A_Ant1_Low_5180



11A_Ant1_High_5240



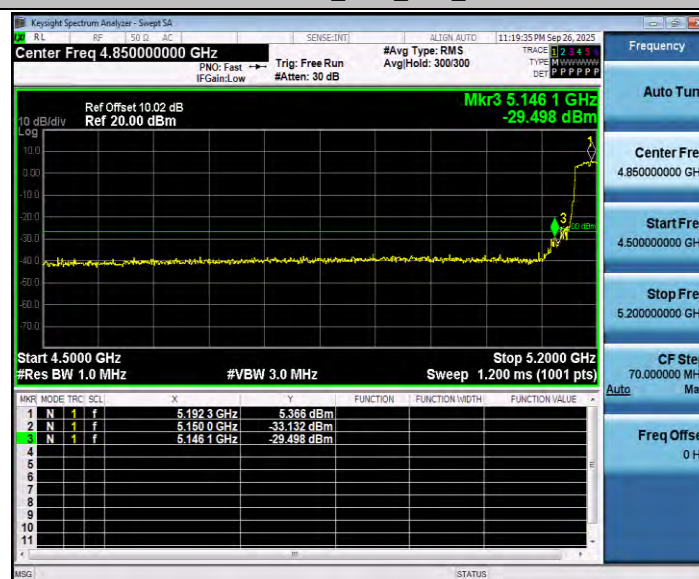
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



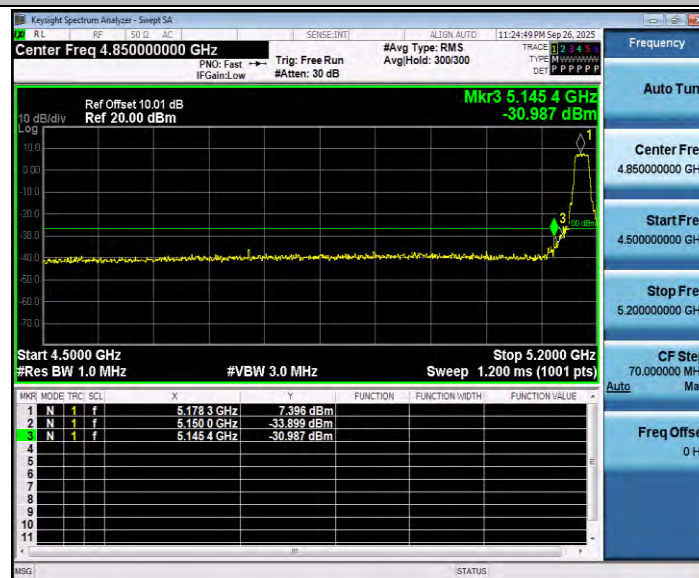
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240