

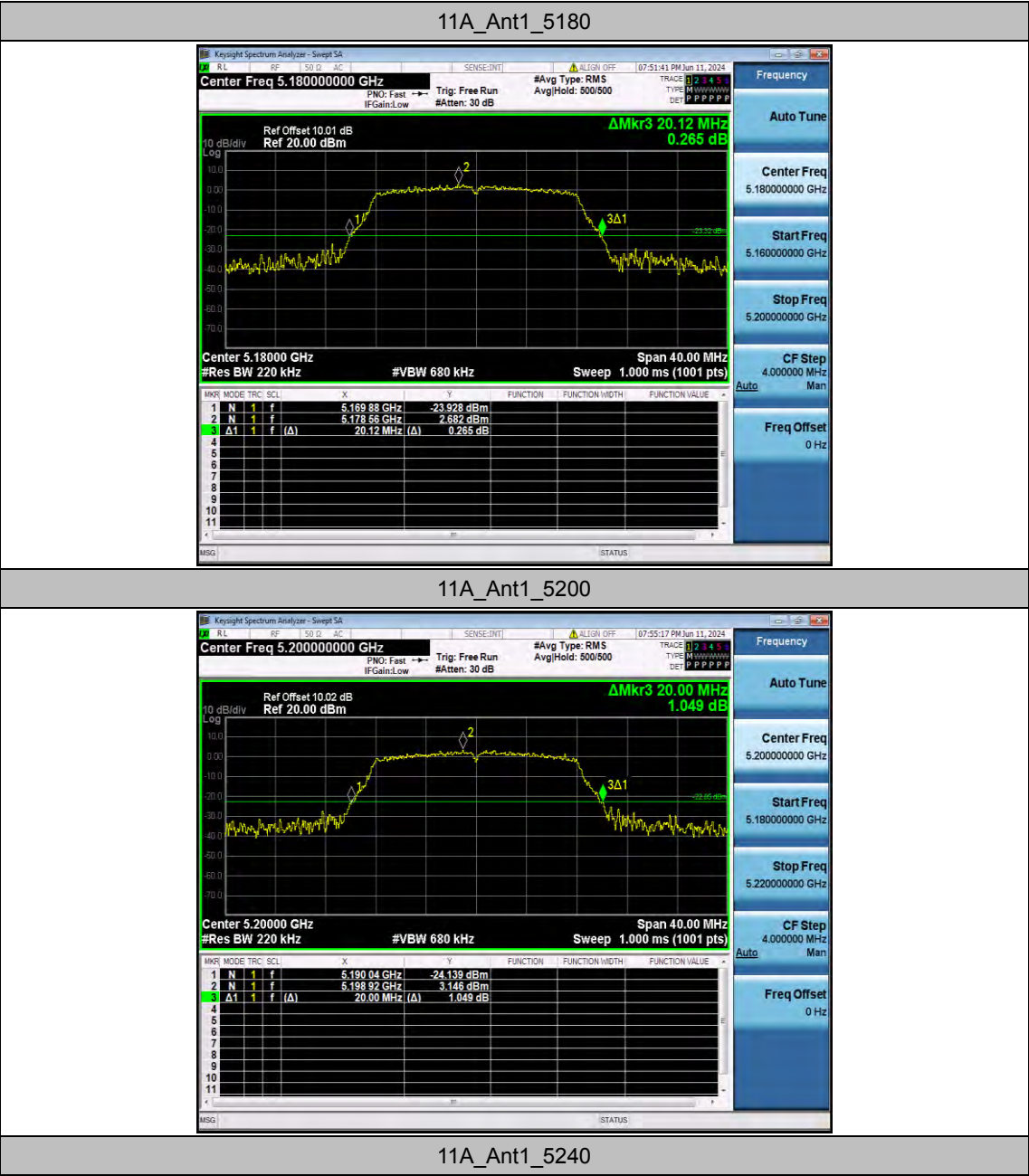
Case No. : <u>CTA24070301804</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2024.6.9-2024.7.10</u>	Test Engineer: <u>Lushan Kong</u>

Appendix D.1: Emission Bandwidth

Test Result

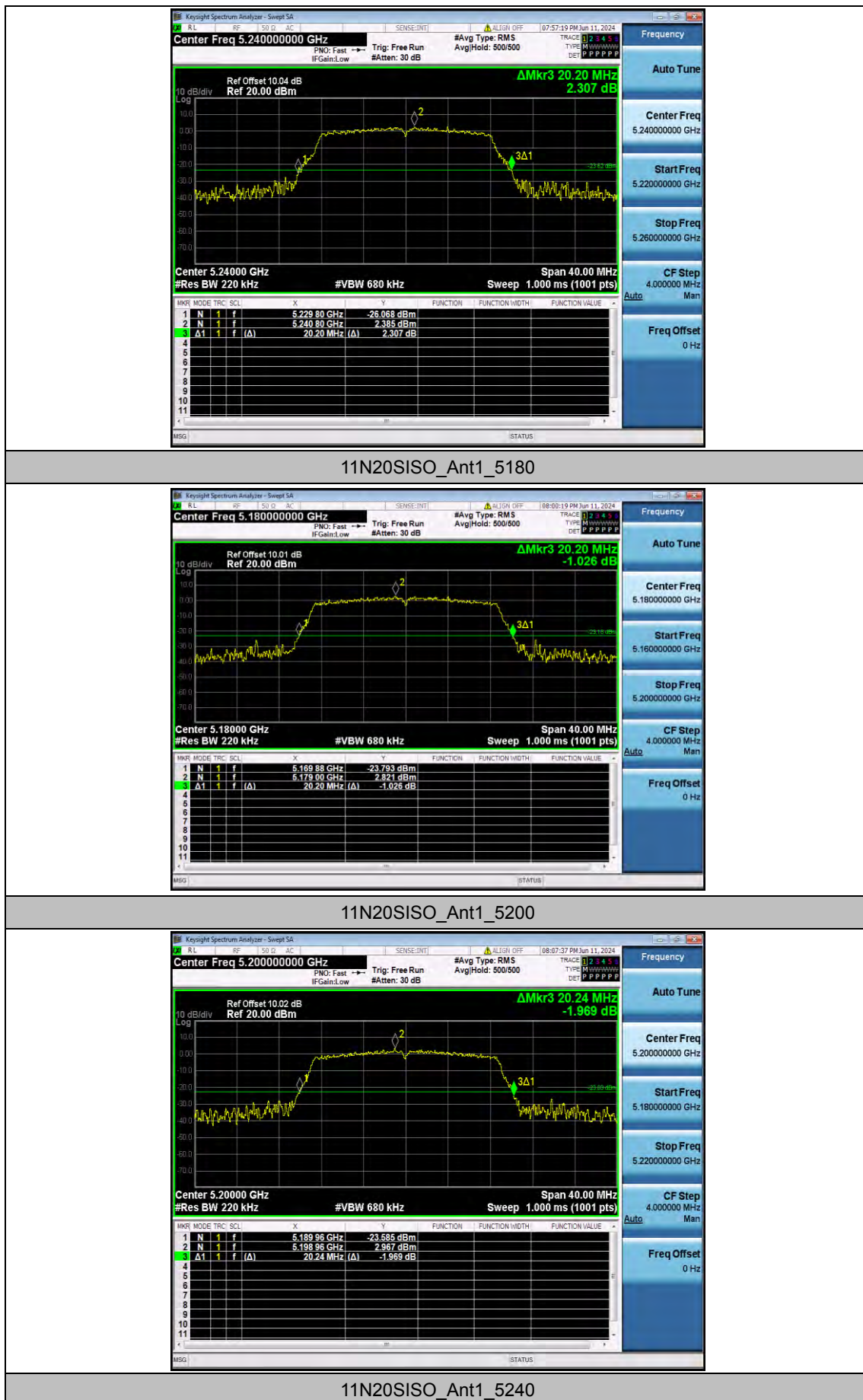
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.120	5169.880	5190.000	---	---
		5200	20.000	5190.040	5210.040	---	---
		5240	20.200	5229.800	5250.000	---	---
11N20SISO	Ant1	5180	20.200	5169.880	5190.080	---	---
		5200	20.240	5189.960	5210.200	---	---
		5240	20.200	5229.880	5250.080	---	---
11N40SISO	Ant1	5190	41.040	5169.520	5210.560	---	---
		5230	40.960	5209.360	5250.320	---	---
11AC20SISO	Ant1	5180	20.240	5169.920	5190.160	---	---
		5200	20.560	5189.680	5210.240	---	---
		5240	20.320	5229.800	5250.120	---	---
11AC40SISO	Ant1	5190	40.640	5169.680	5210.320	---	---
		5230	40.640	5209.600	5250.240	---	---
11AC80SISO	Ant1	5210	81.120	5169.520	5250.640	---	---

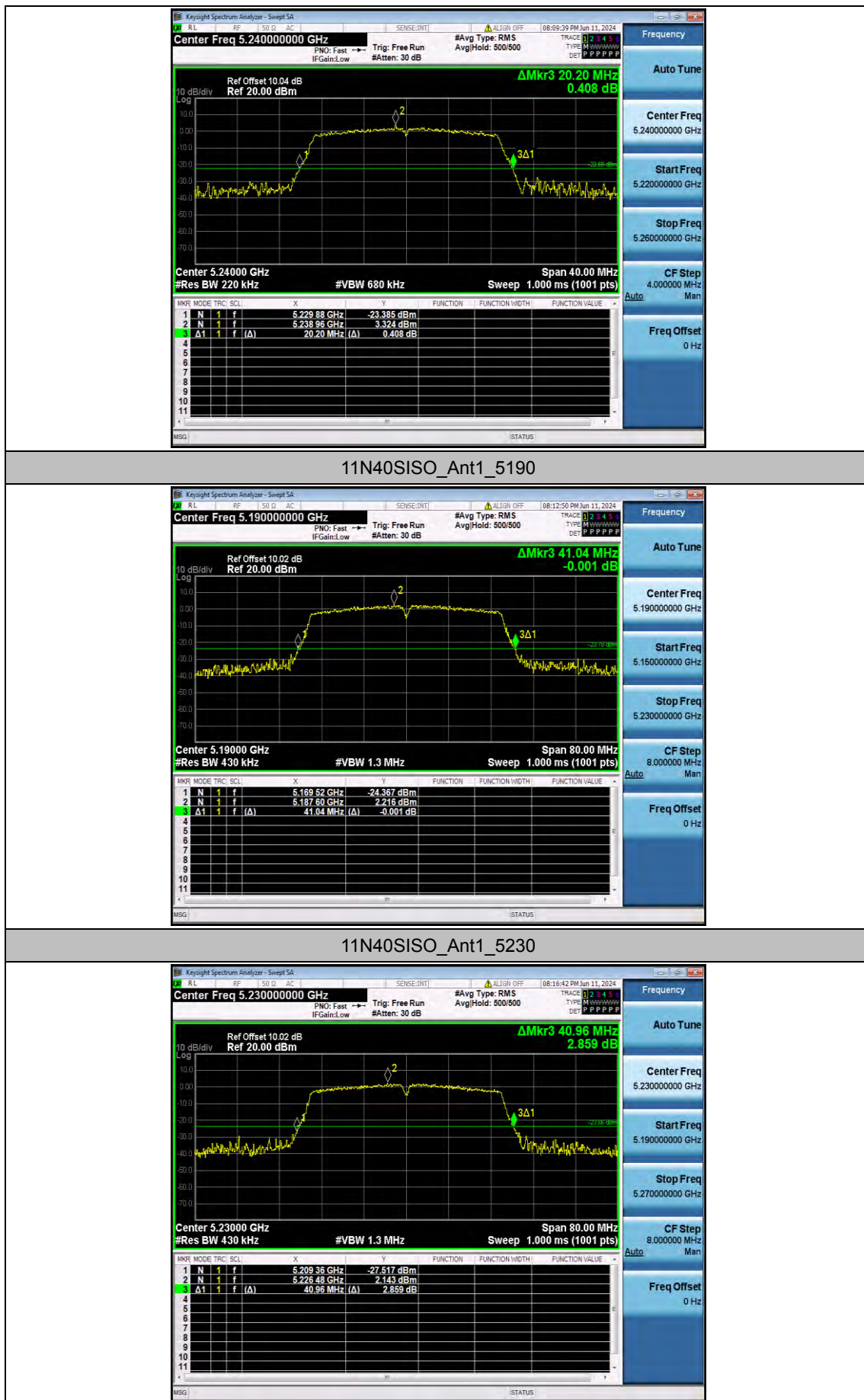
Test Graphs



11A_Ant1_5200

11A_Ant1_5240

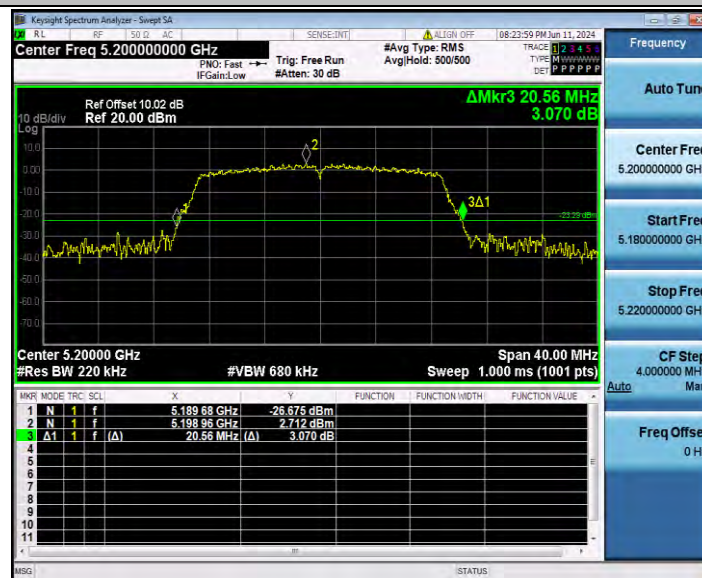




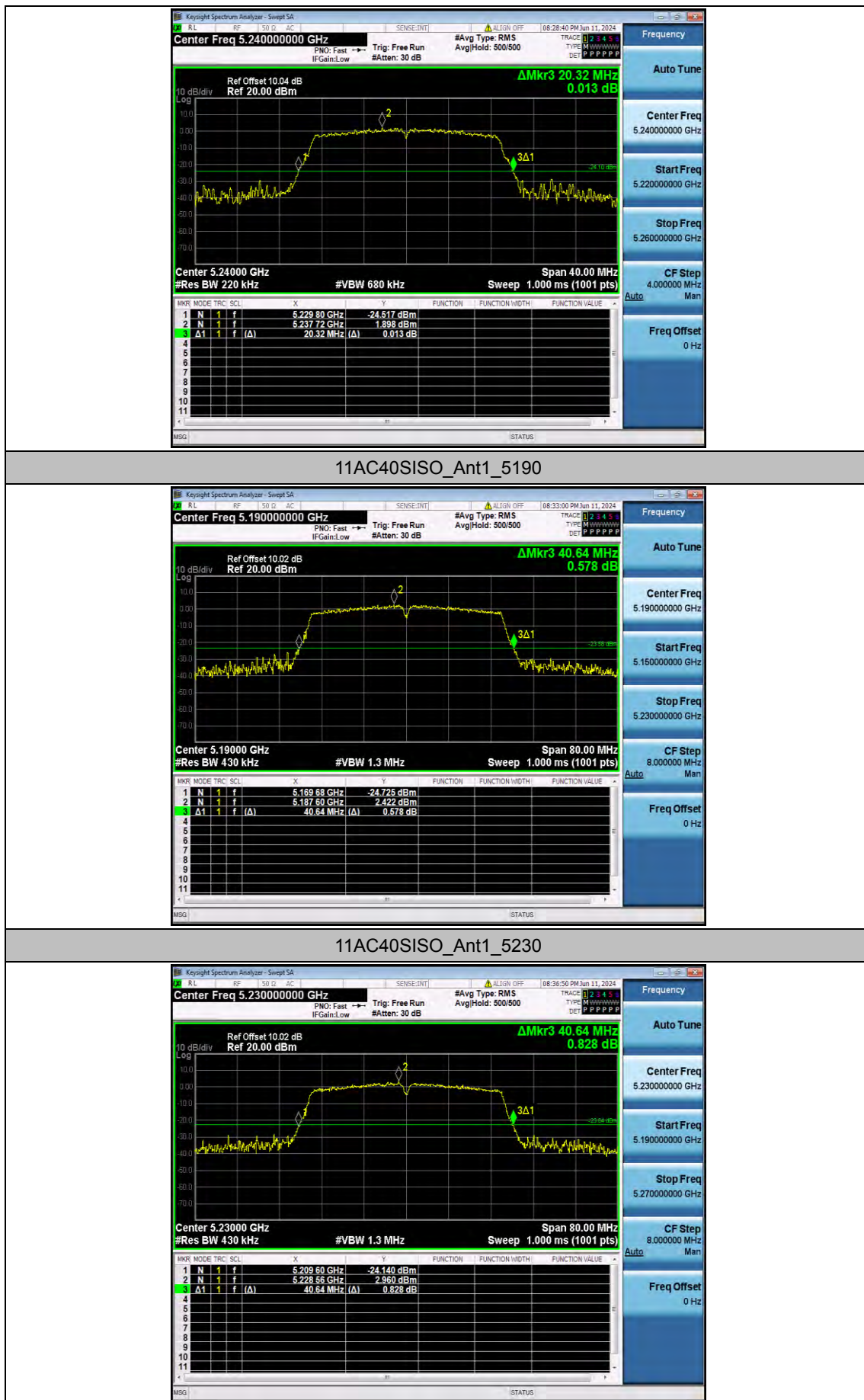
11AC20SISO_Ant1_5180

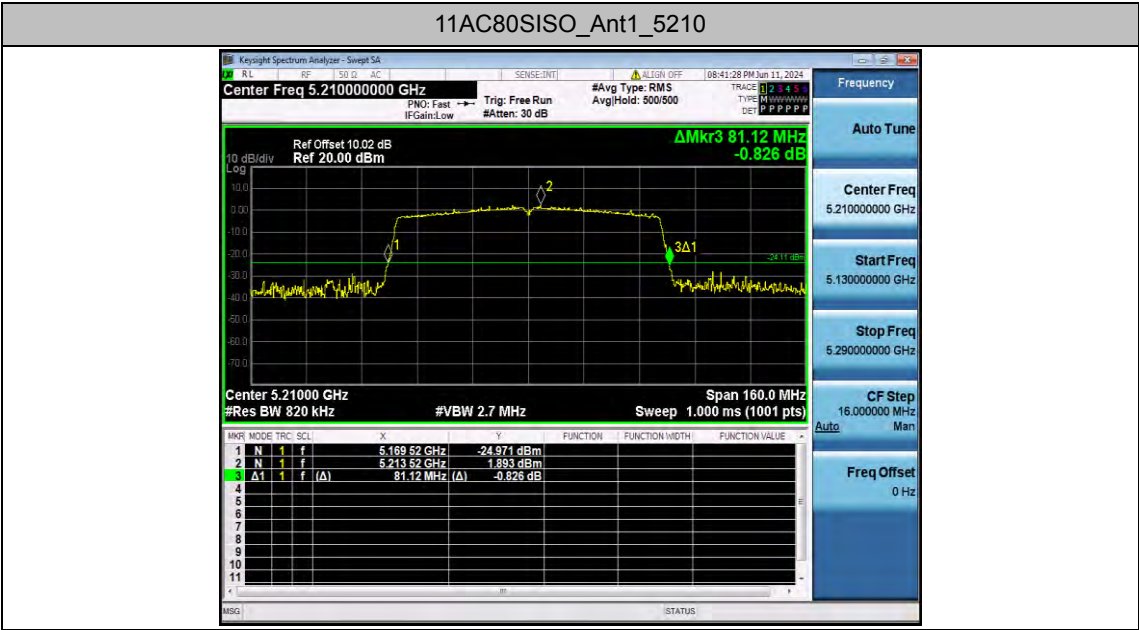


11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



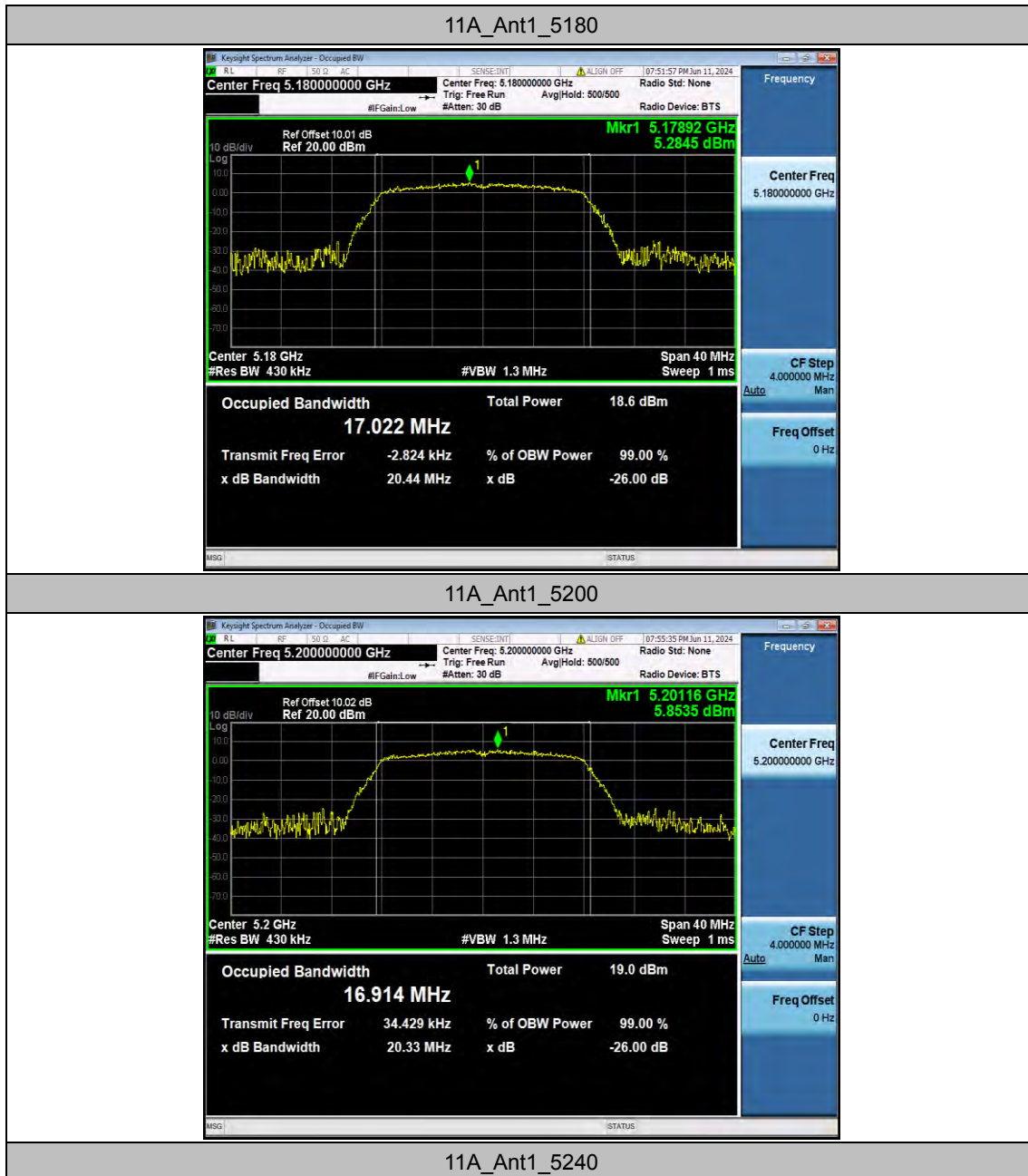


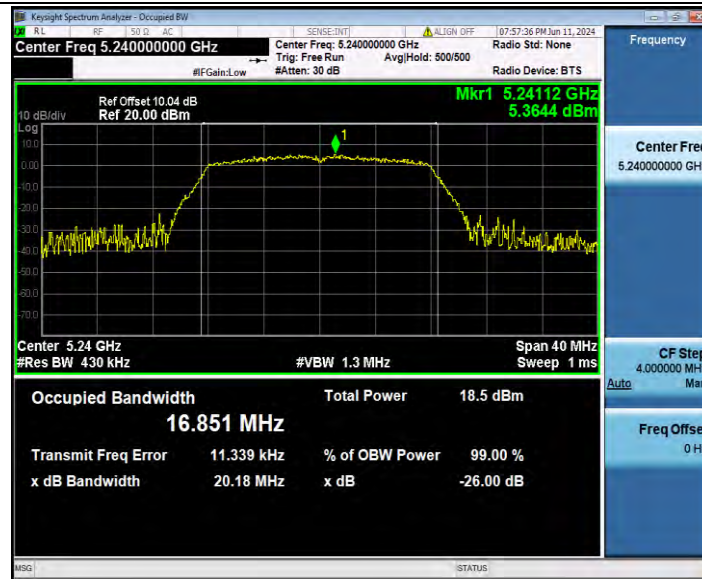
Appendix D.2: Occupied channel bandwidth

Test Result

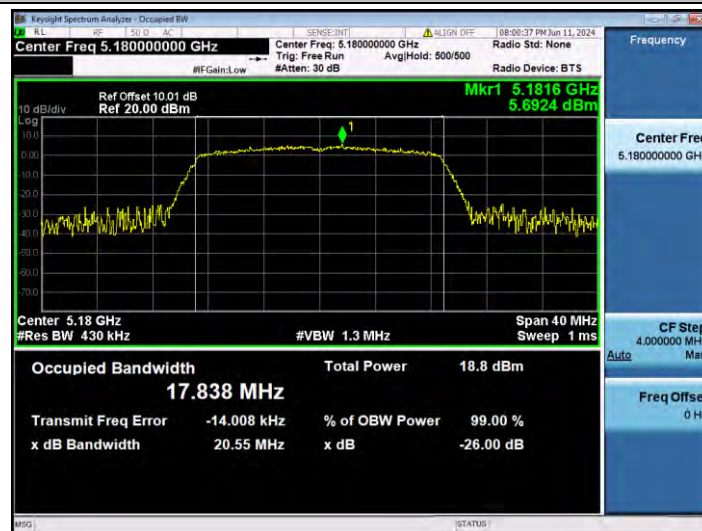
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.022	5171.4862	5188.5082	---	---
		5200	16.914	5191.5774	5208.4914	---	---
		5240	16.851	5231.5858	5248.4368	---	---
11N20SISO	Ant1	5180	17.838	5171.0670	5188.9050	---	---
		5200	17.856	5191.0723	5208.9283	---	---
		5240	17.835	5231.0625	5248.8975	---	---
11N40SISO	Ant1	5190	36.402	5171.8712	5208.2732	---	---
		5230	36.278	5211.7937	5248.0717	---	---
11AC20SISO	Ant1	5180	17.923	5171.0083	5188.9313	---	---
		5200	17.826	5191.0786	5208.9046	---	---
		5240	17.827	5231.0676	5248.8946	---	---
11AC40SISO	Ant1	5190	36.349	5171.8267	5208.1757	---	---
		5230	36.212	5211.8542	5248.0662	---	---
11AC80SISO	Ant1	5210	75.151	5172.4784	5247.6294	---	---

Test Graphs

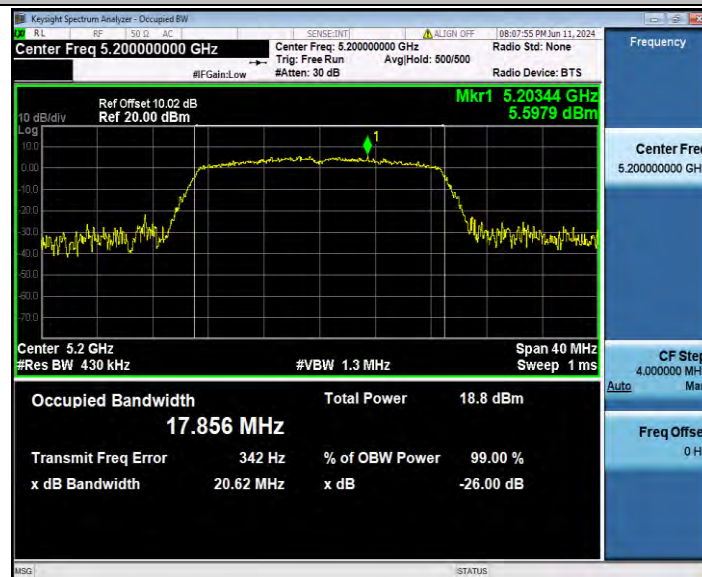




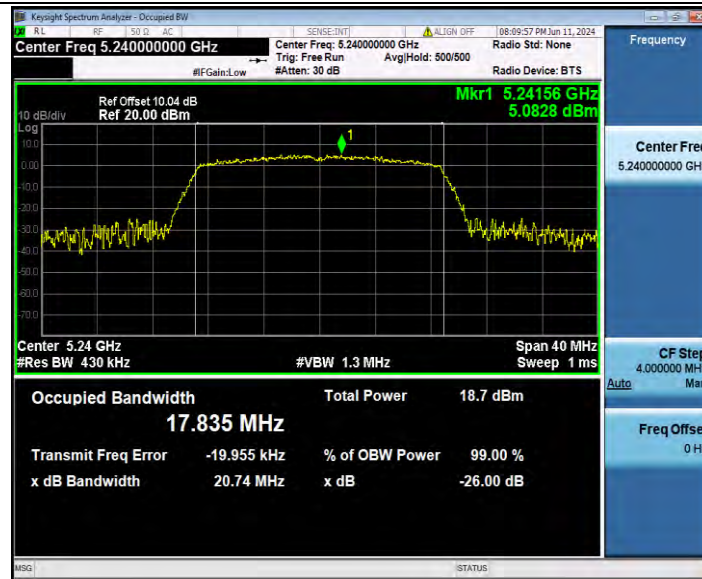
11N20SISO_Ant1_5180



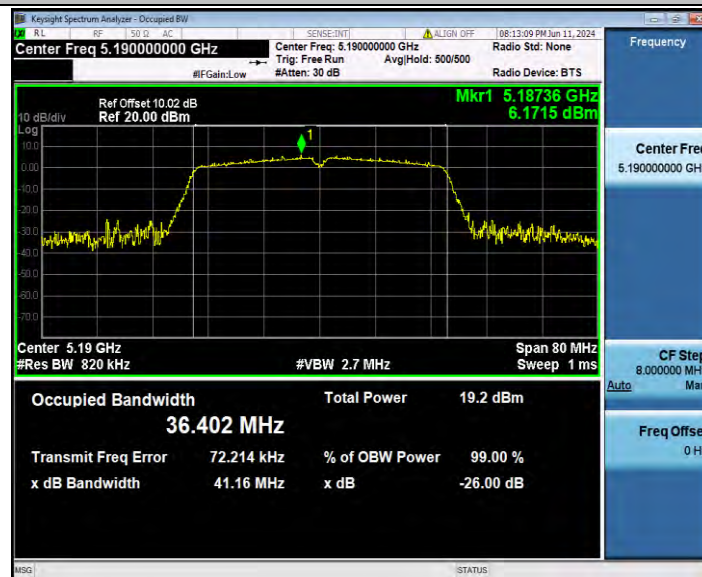
11N20SISO_Ant1_5200



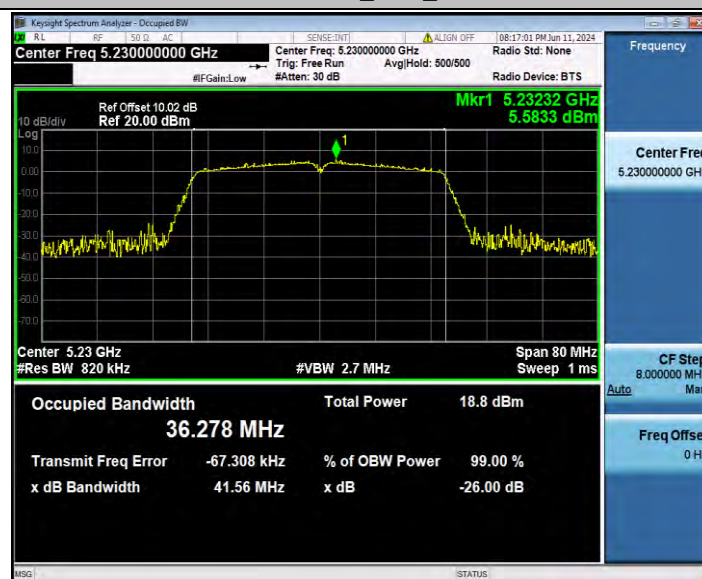
11N20SISO_Ant1_5240



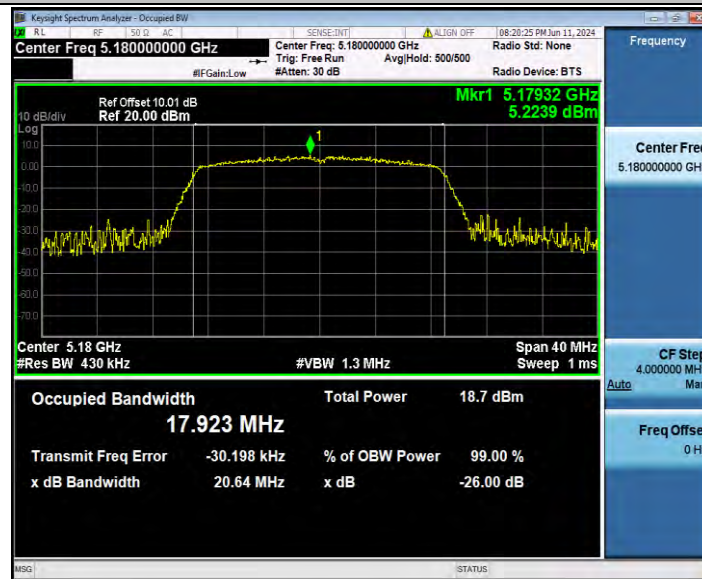
11N40SISO_Ant1_5190



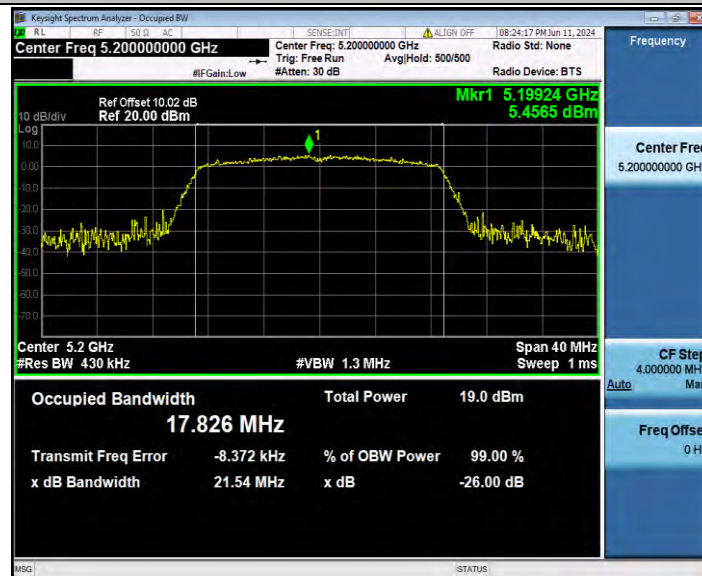
11N40SISO_Ant1_5230



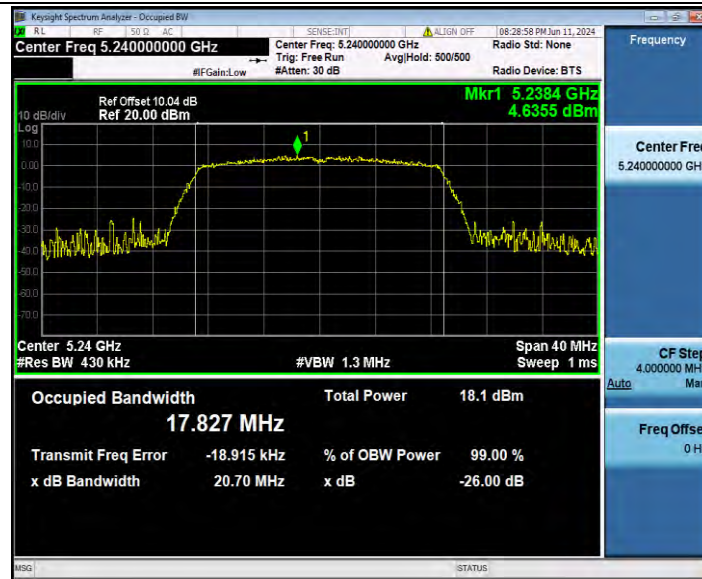
11AC20SISO_Ant1_5180



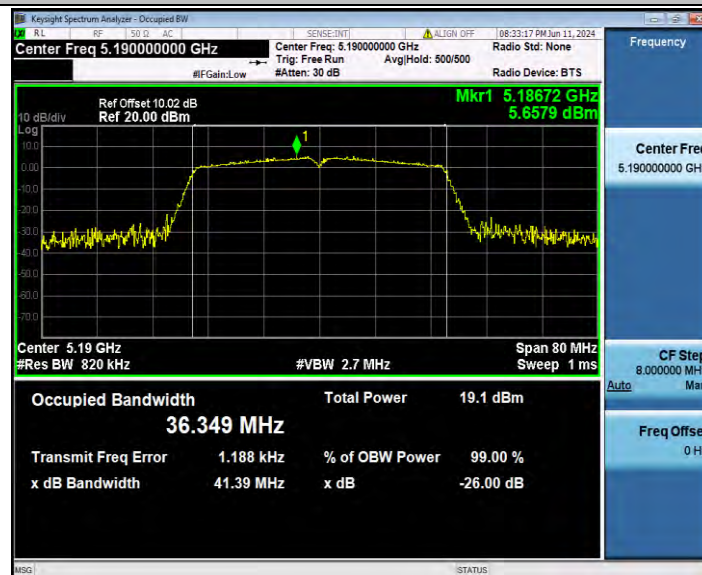
11AC20SISO_Ant1_5200



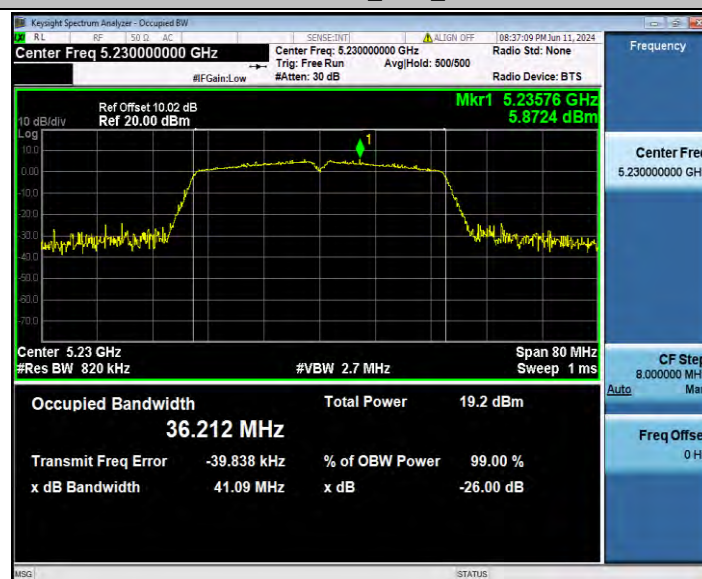
11AC20SISO_Ant1_5240

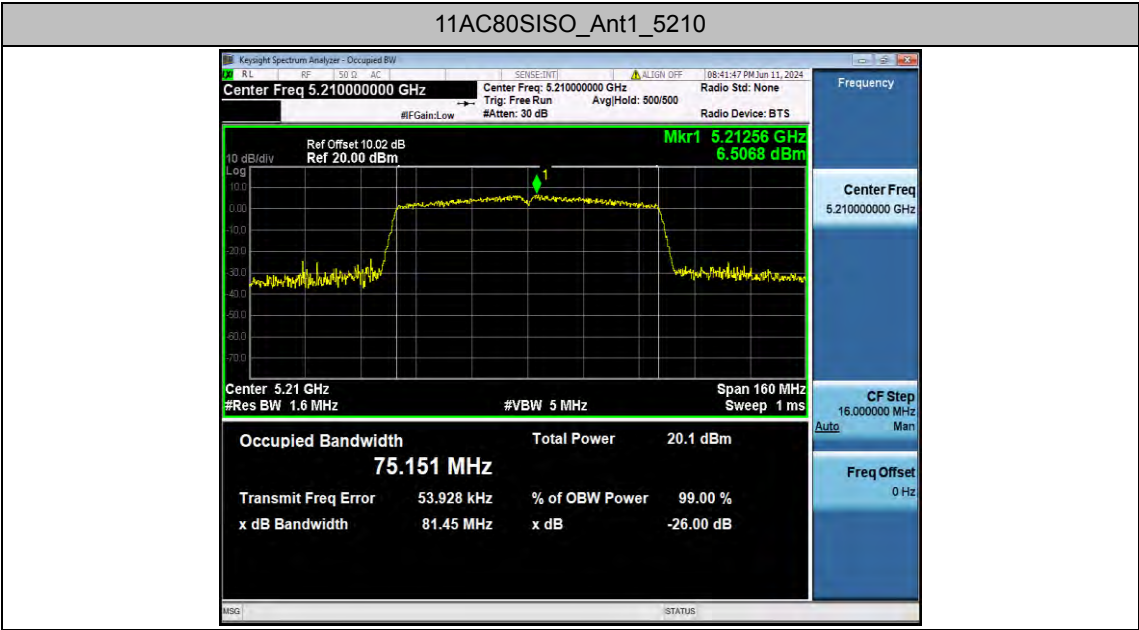


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230





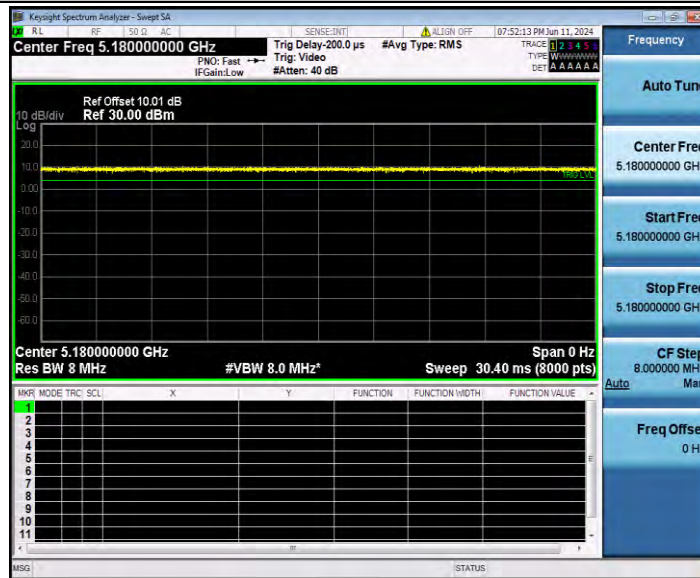
Appendix D.3: Duty Cycle

Test Result

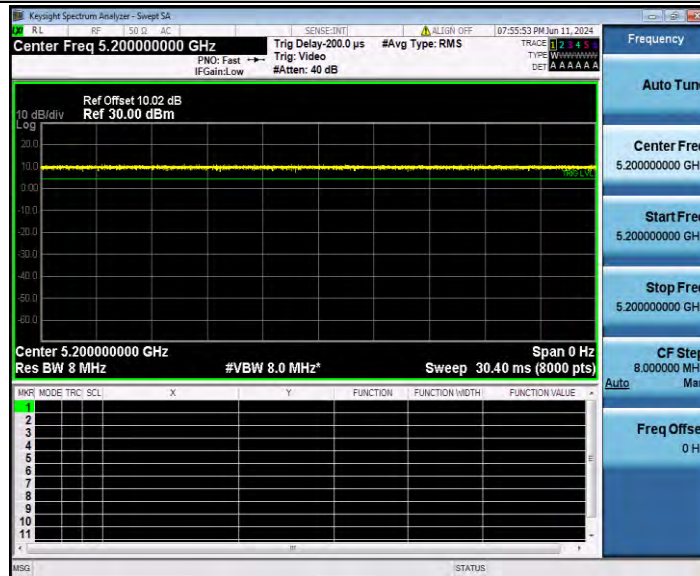
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5210	30.00	30.00	100.00	0.00	0.03

Test Graphs

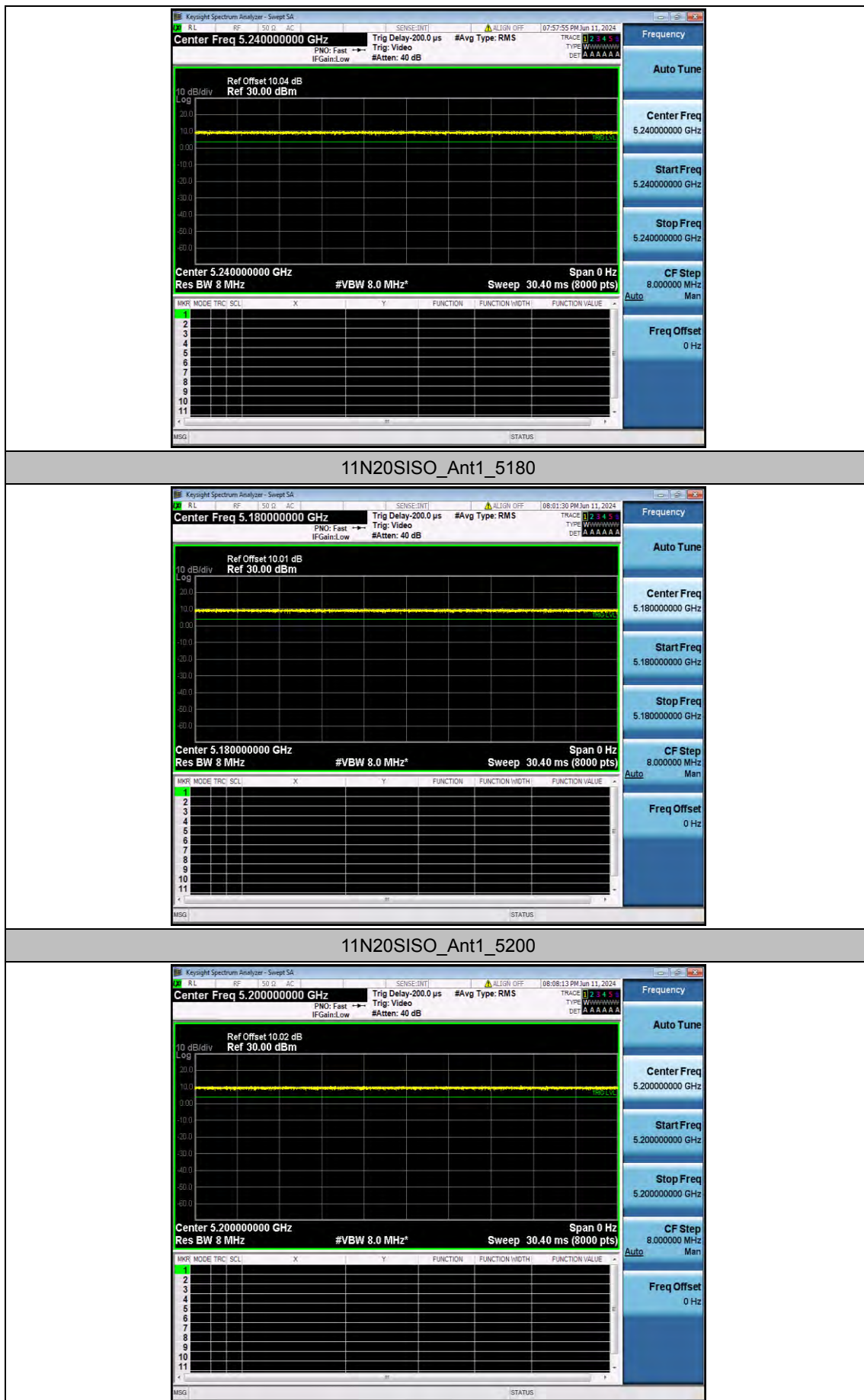
11A_Ant1_5180



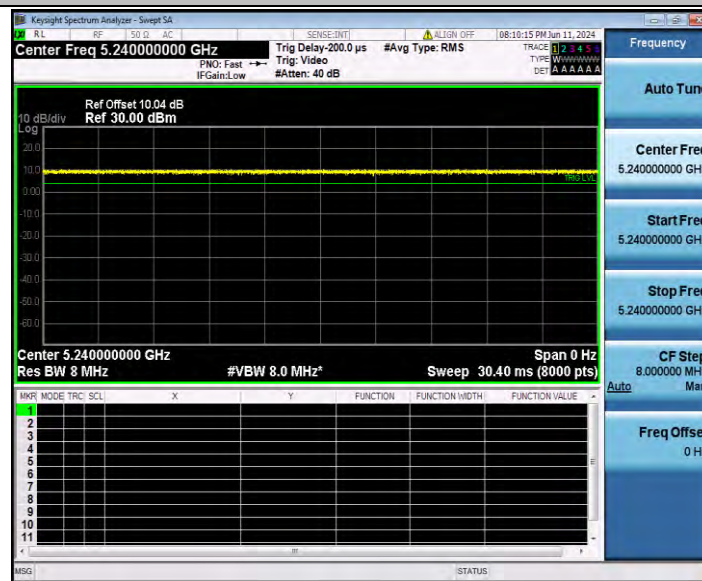
11A_Ant1_5200



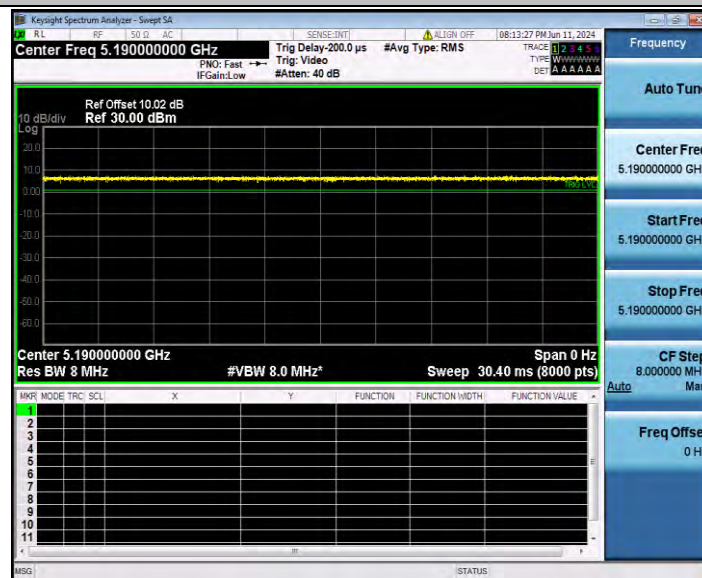
11A_Ant1_5240



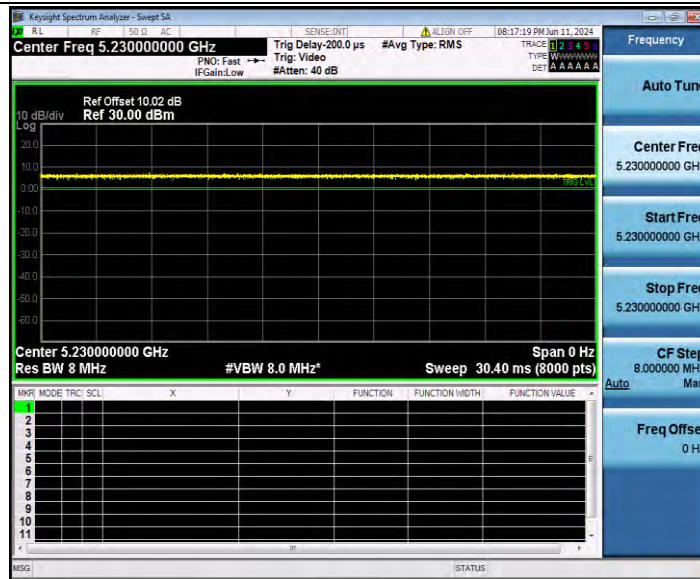
11N20SISO_Ant1_5240



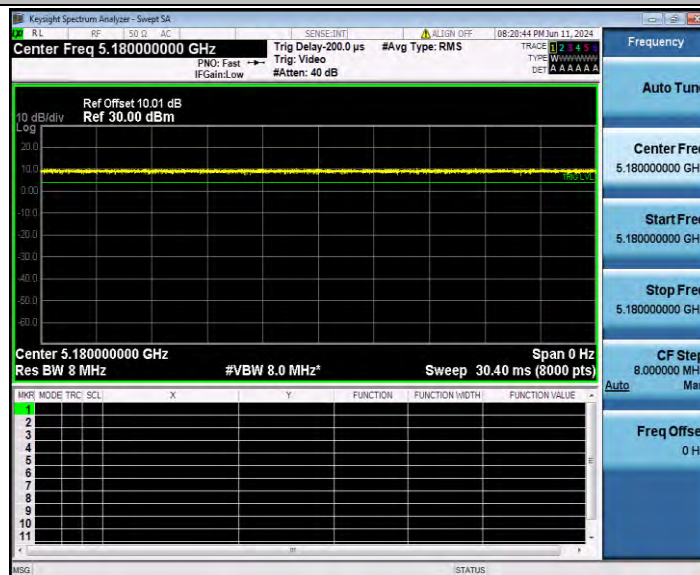
11N40SISO_Ant1_5190



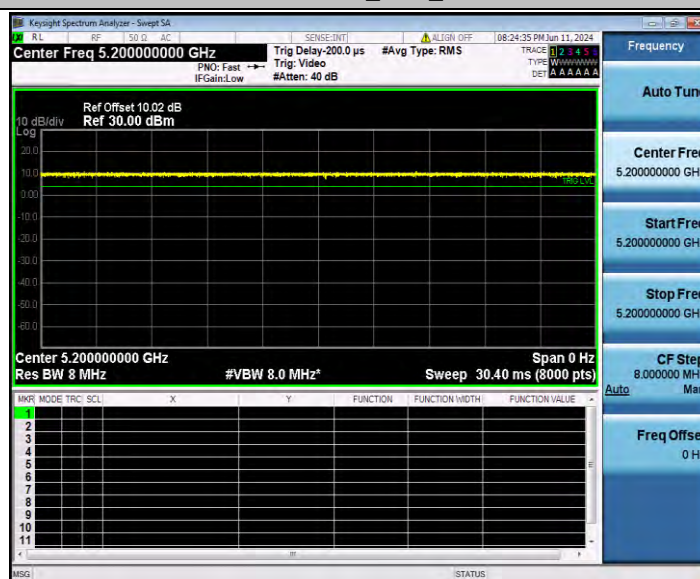
11N40SISO_Ant1_5230



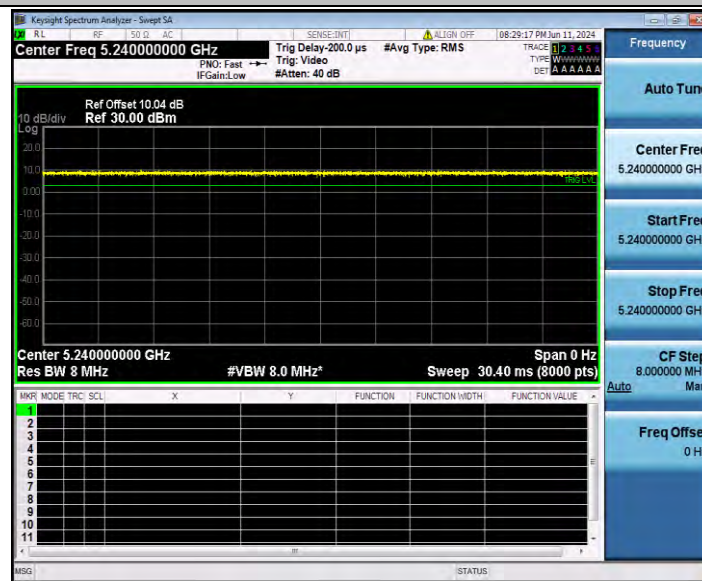
11AC20SISO_Ant1_5180



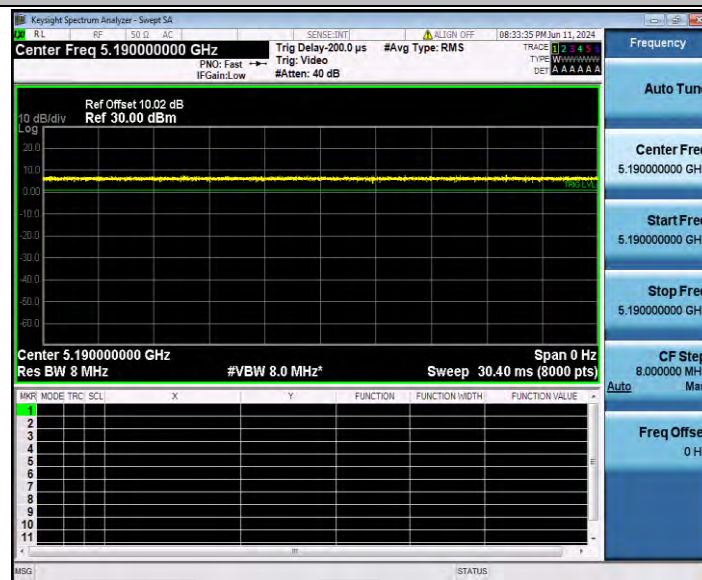
11AC20SISO_Ant1_5200



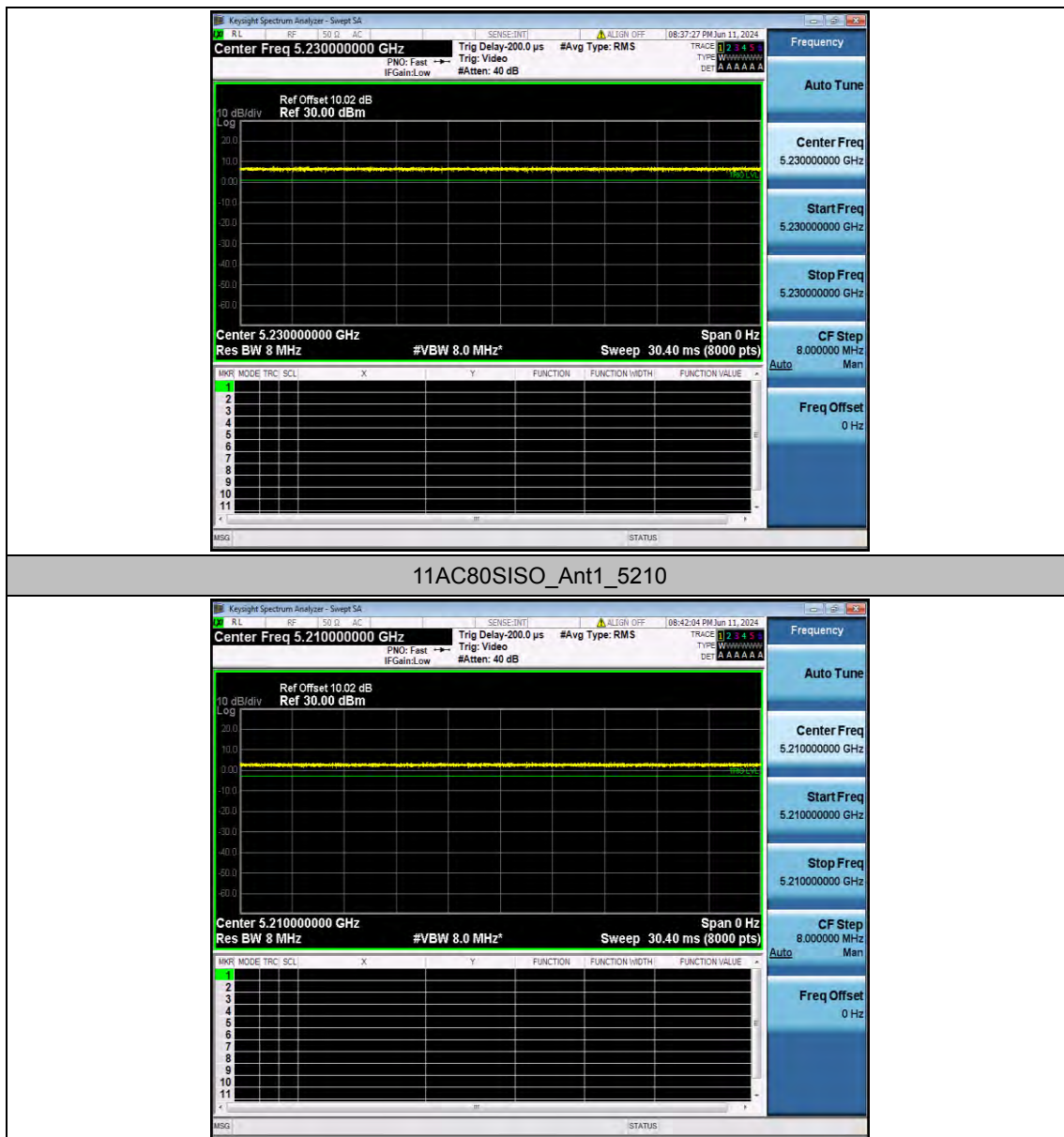
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



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	11.77	100.00	0.00	11.77	≤23.98	PASS
		5200	12.24	100.00	0.00	12.24	≤23.98	PASS
		5240	11.65	100.00	0.00	11.65	≤23.98	PASS
11N20SISO	Ant1	5180	11.93	100.00	0.00	11.93	≤23.98	PASS
		5200	12.04	100.00	0.00	12.04	≤23.98	PASS
		5240	11.94	100.00	0.00	11.94	≤23.98	PASS
11N40SISO	Ant1	5190	11.85	100.00	0.00	11.85	≤23.98	PASS
		5230	11.43	100.00	0.00	11.43	≤23.98	PASS
11AC20SISO	Ant1	5180	11.91	100.00	0.00	11.91	≤23.98	PASS
		5200	12.19	100.00	0.00	12.19	≤23.98	PASS
		5240	11.25	100.00	0.00	11.25	≤23.98	PASS
11AC40SISO	Ant1	5190	11.77	100.00	0.00	11.77	≤23.98	PASS
		5230	11.85	100.00	0.00	11.85	≤23.98	PASS
11AC80SISO	Ant1	5210	11.13	100.00	0.00	11.13	≤23.98	PASS

Appendix D.5: Maximum power spectral density

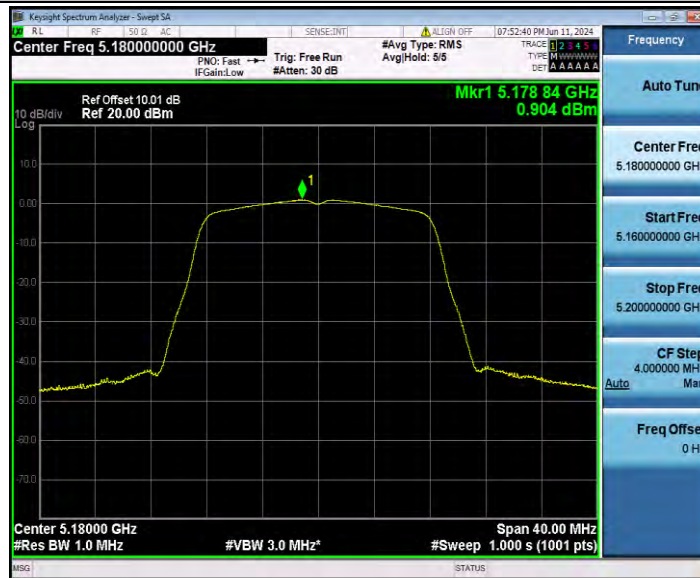
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.90	≤11.00	PASS
		5200	1.55	≤11.00	PASS
		5240	1.02	≤11.00	PASS
11N20SISO	Ant1	5180	1.03	≤11.00	PASS
		5200	1.32	≤11.00	PASS
		5240	1.19	≤11.00	PASS
11N40SISO	Ant1	5190	-1.70	≤11.00	PASS
		5230	-2.00	≤11.00	PASS
11AC20SISO	Ant1	5180	1.05	≤11.00	PASS
		5200	1.36	≤11.00	PASS
		5240	0.58	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.75	≤11.00	PASS
		5230	-1.61	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.40	≤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



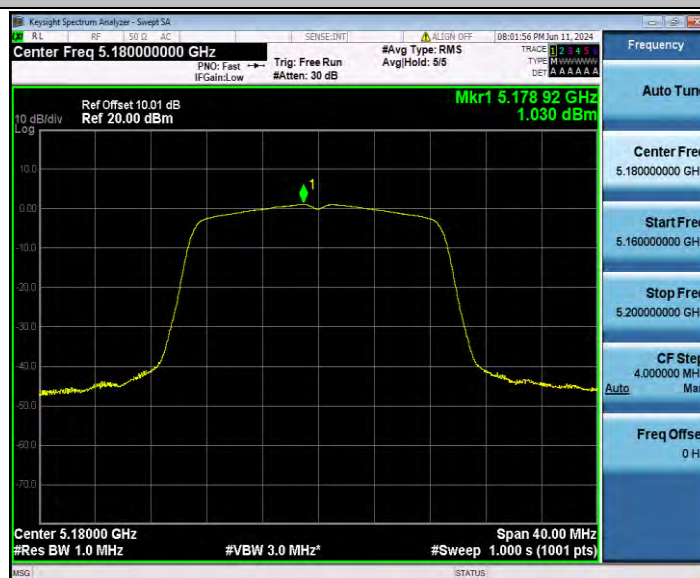
11A_Ant1_5200



11A_Ant1_5240



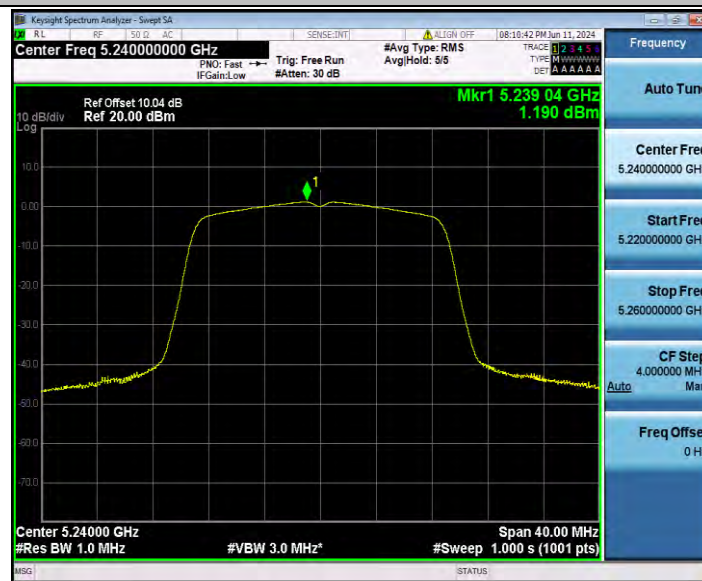
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



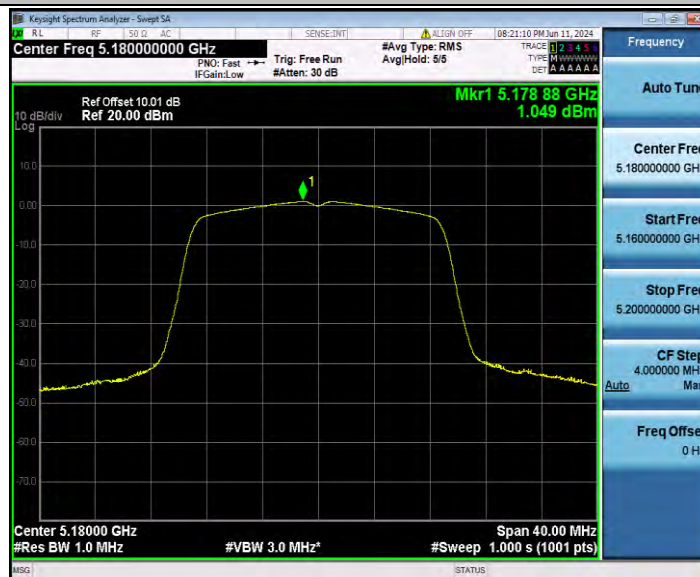
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

