

Case No. : <u>GTS20240827006-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.10.15</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	22.600	5169.600	5192.200	---	---
		5200	25.480	5187.120	5212.600	---	---
		5240	25.160	5227.520	5252.680	---	---
11N20SISO	Ant1	5180	27.200	5167.880	5195.080	---	---
		5200	28.840	5186.600	5215.440	---	---
		5240	30.960	5225.000	5255.960	---	---
11N40SISO	Ant1	5190	65.200	5160.960	5226.160	---	---
		5230	65.680	5200.640	5266.320	---	---
11AC20SISO	Ant1	5180	30.480	5164.520	5195.000	---	---
		5200	31.760	5183.240	5215.000	---	---
		5240	31.680	5225.840	5257.520	---	---
11AC40SISO	Ant1	5190	42.160	5168.800	5210.960	---	---
		5230	65.040	5200.960	5266.000	---	---
11AC80SISO	Ant1	5210	113.920	5165.520	5279.440	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



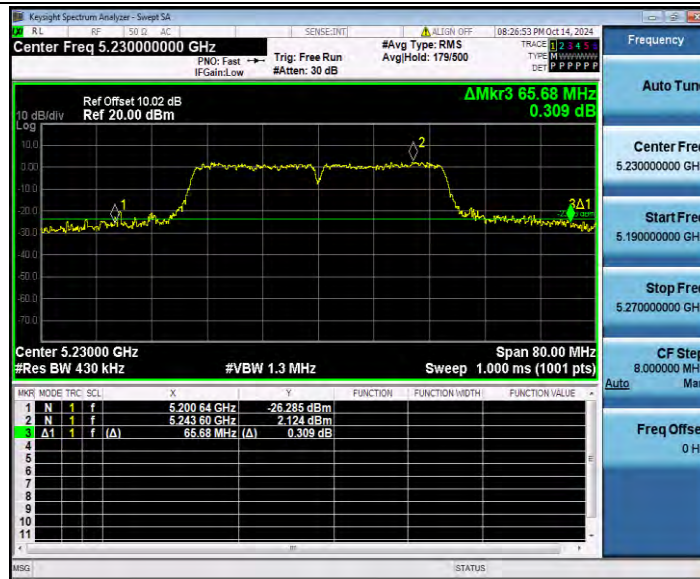
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

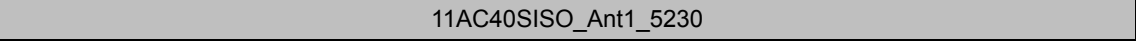
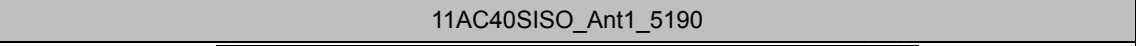


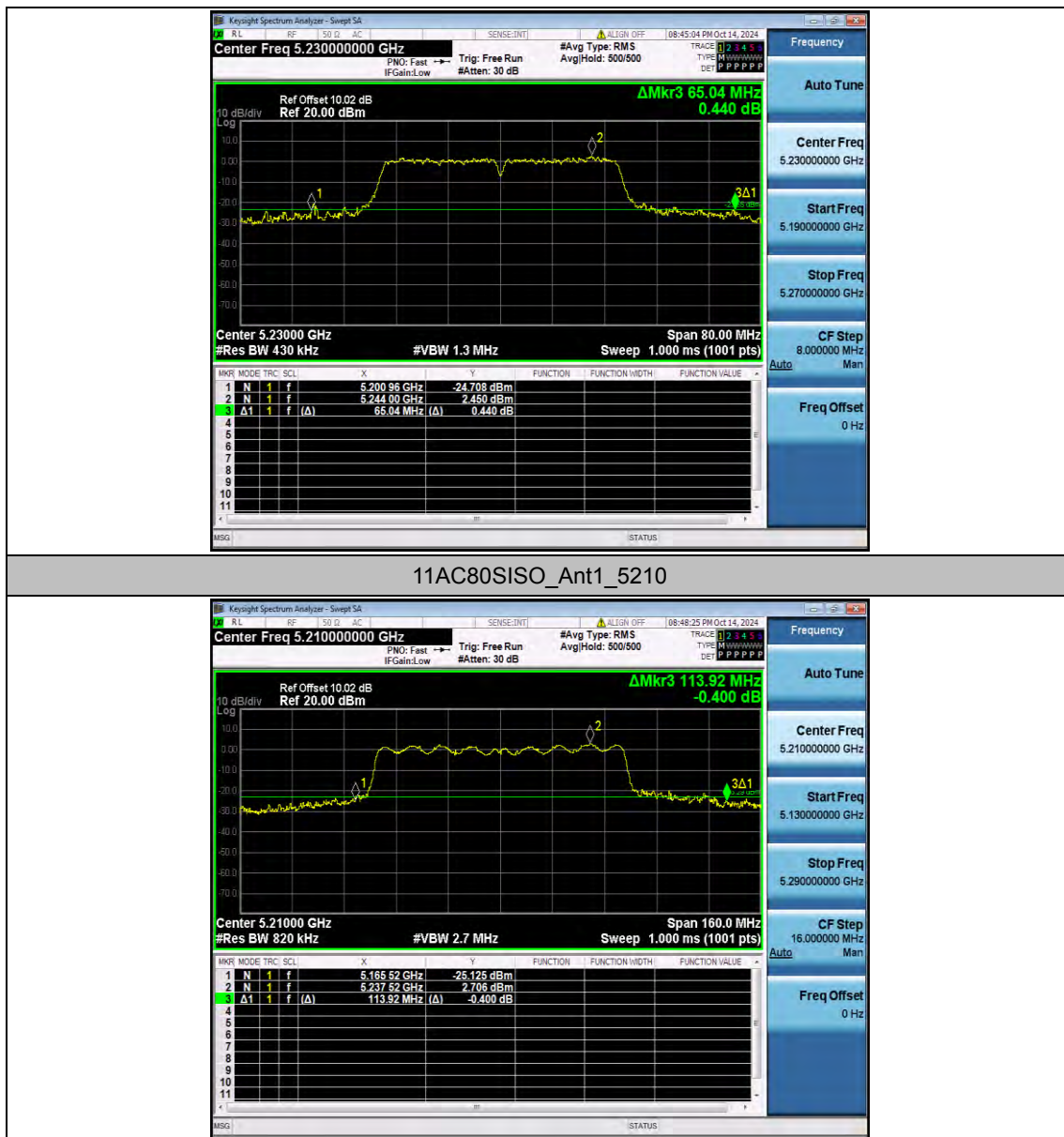
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200







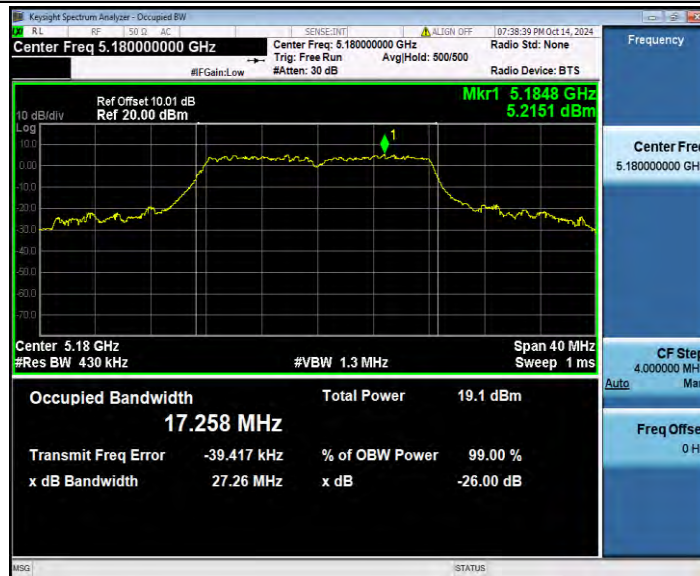
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.258	5171.3316	5188.5896	---	---
		5200	17.253	5191.3308	5208.5838	---	---
		5240	17.418	5231.2759	5248.6939	---	---
11N20SISO	Ant1	5180	18.373	5170.8332	5189.2062	---	---
		5200	18.342	5190.8280	5209.1700	---	---
		5240	18.452	5230.8052	5249.2572	---	---
11N40SISO	Ant1	5190	37.069	5171.5694	5208.6384	---	---
		5230	37.212	5211.5072	5248.7192	---	---
11AC20SISO	Ant1	5180	18.351	5170.8575	5189.2085	---	---
		5200	18.479	5190.7602	5209.2392	---	---
		5240	18.607	5230.7577	5249.3647	---	---
11AC40SISO	Ant1	5190	36.819	5171.6474	5208.4664	---	---
		5230	37.165	5211.5443	5248.7093	---	---
11AC80SISO	Ant1	5210	76.469	5172.0555	5248.5245	---	---

Test Graphs

11A_Ant1_5180



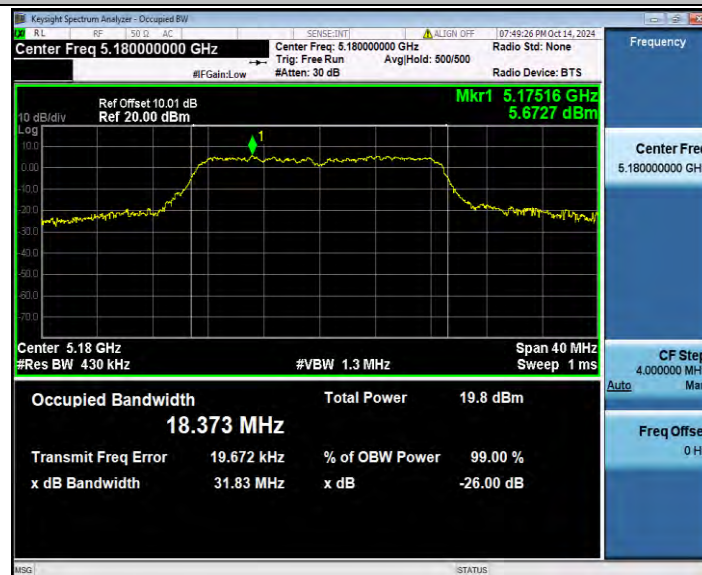
11A_Ant1_5200



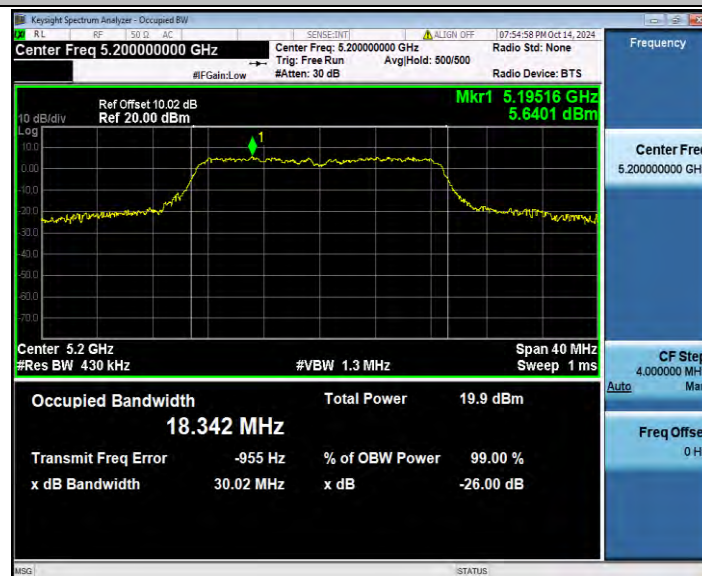
11A_Ant1_5240



11N20SISO_Ant1_5180



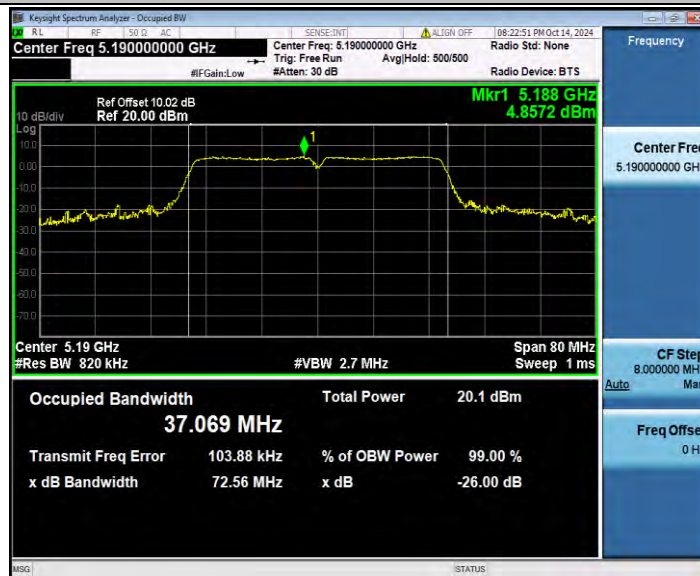
11N20SISO_Ant1_5200



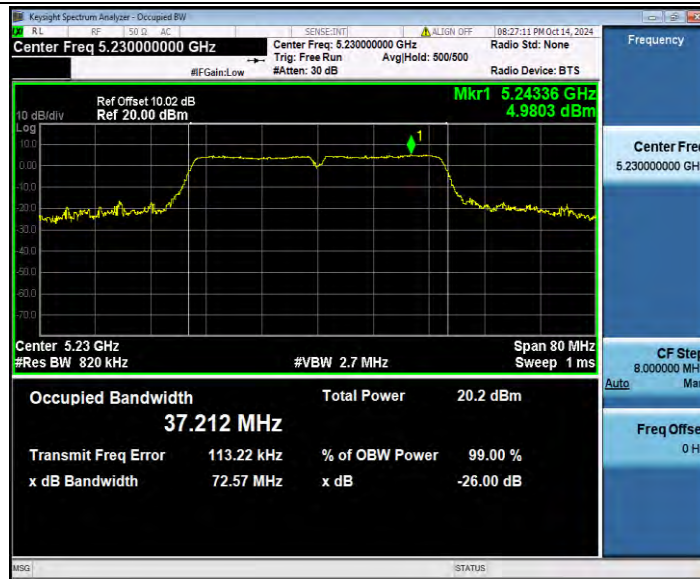
11N20SISO_Ant1_5240



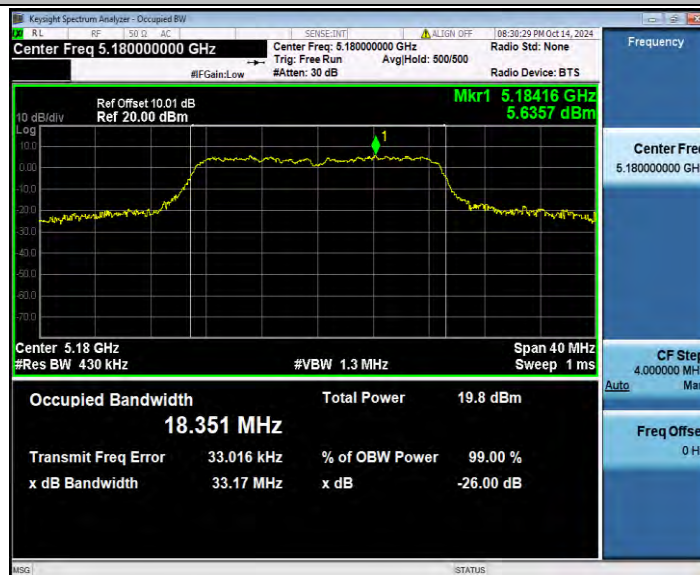
11N40SISO_Ant1_5190



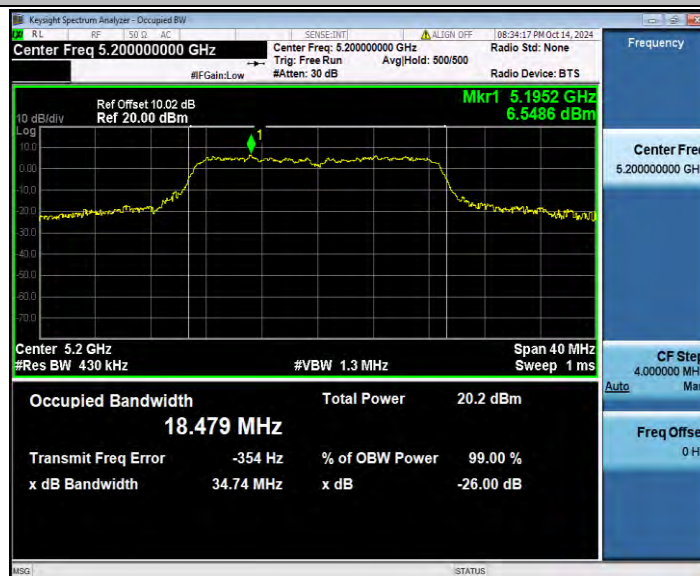
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



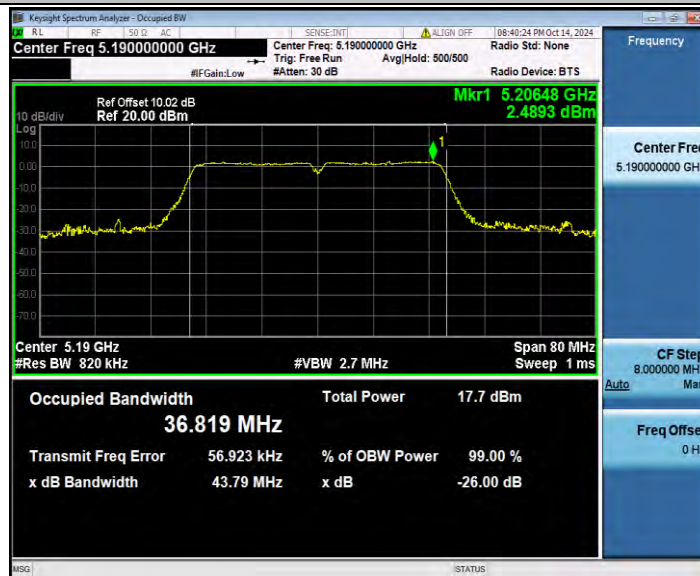
11AC20SISO_Ant1_5200



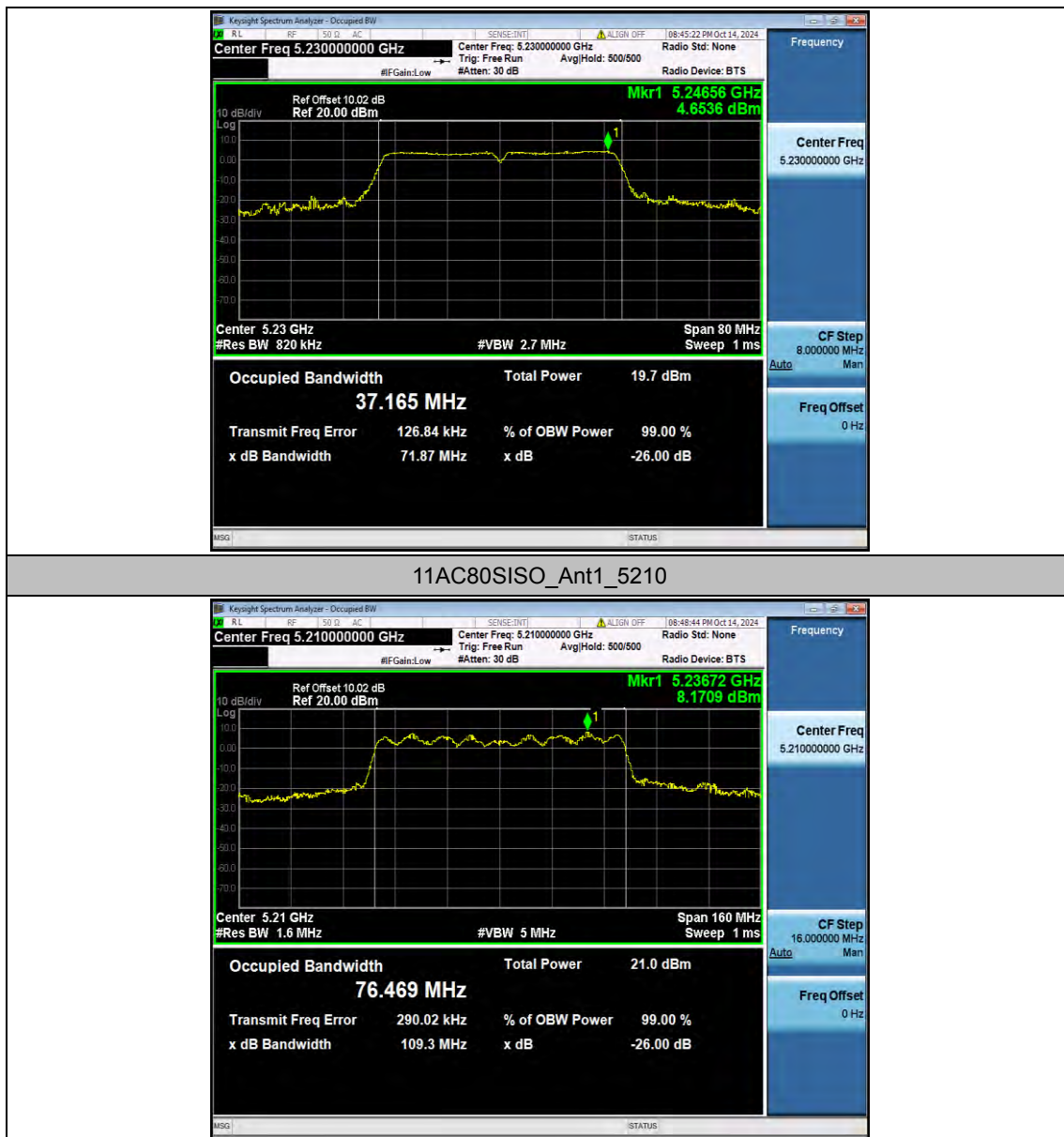
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



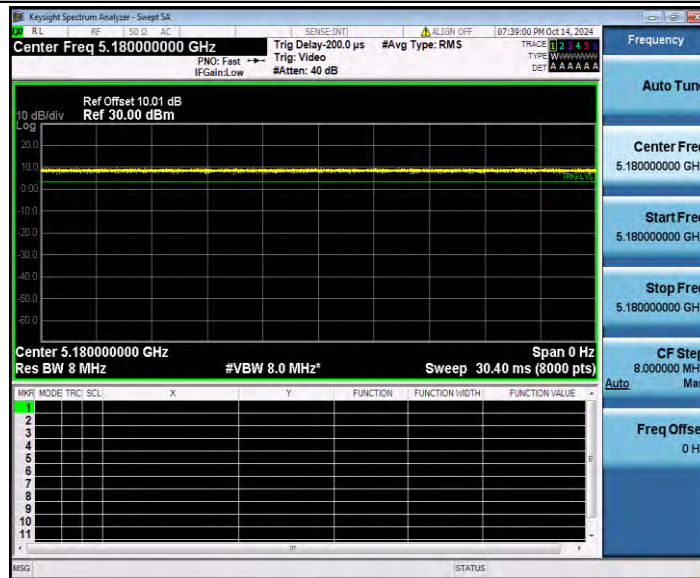
Appendix D.3: Duty Cycle

Test Result

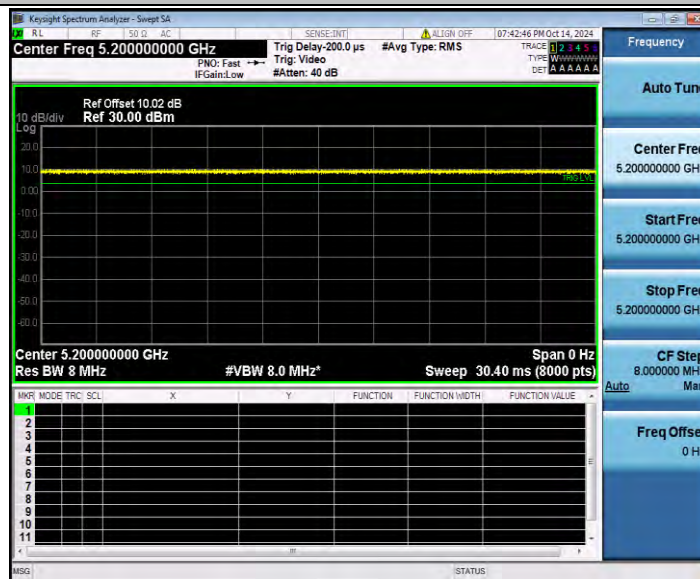
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200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

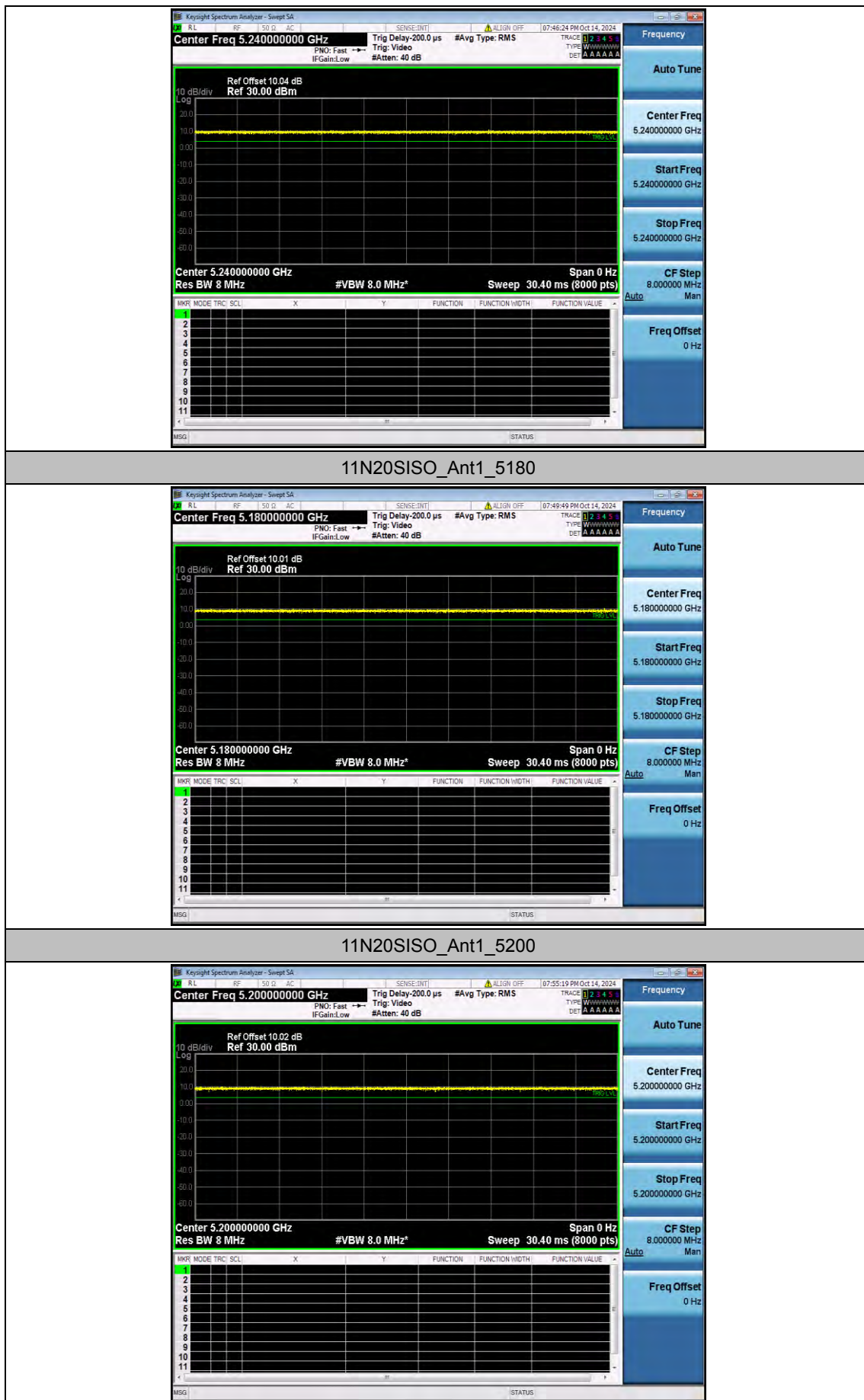
11A_Ant1_5180

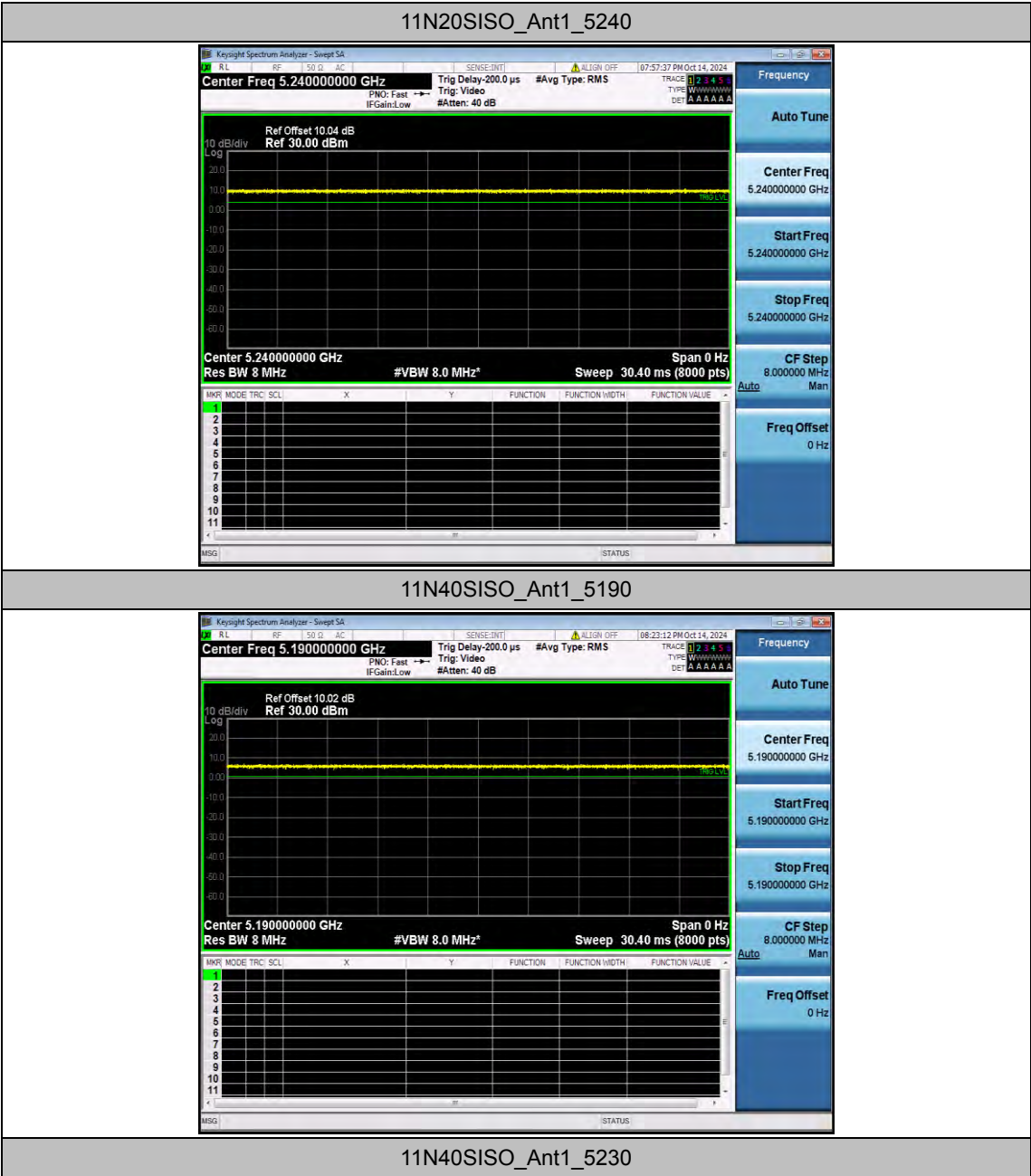


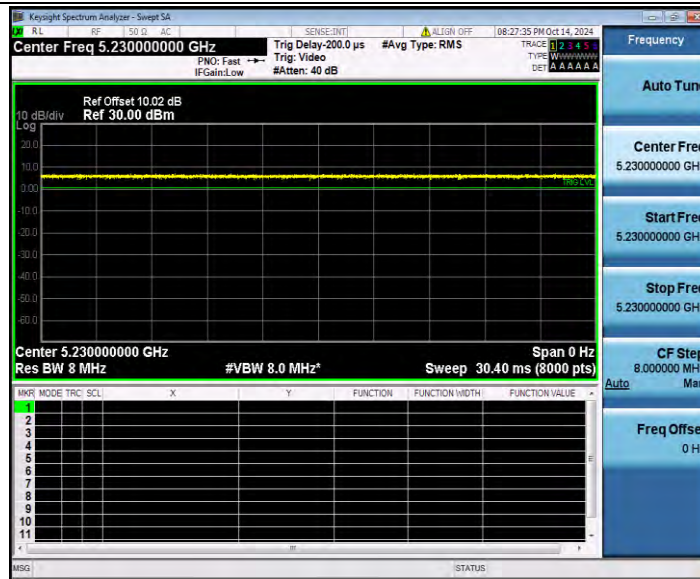
11A_Ant1_5200



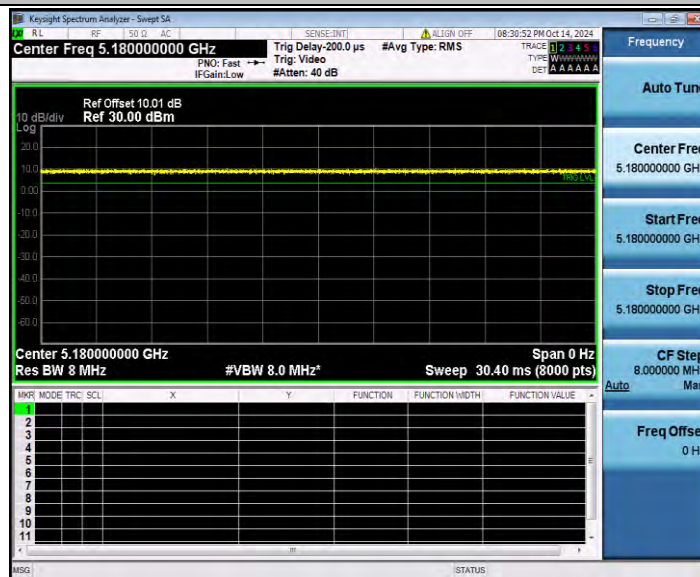
11A_Ant1_5240



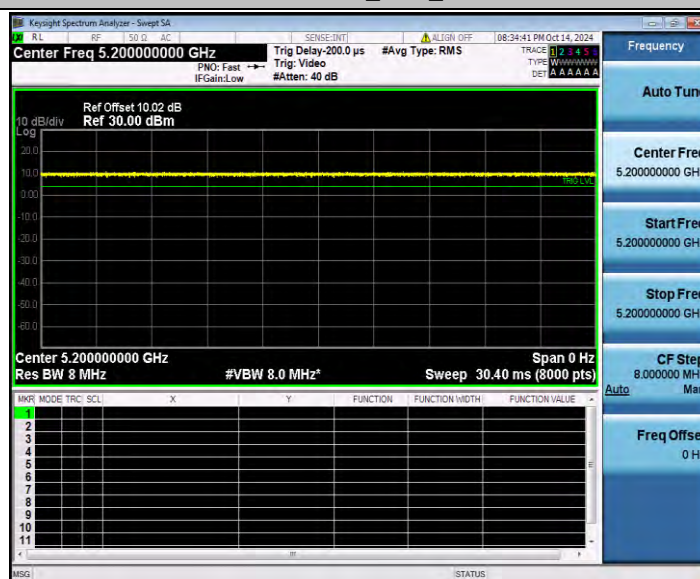




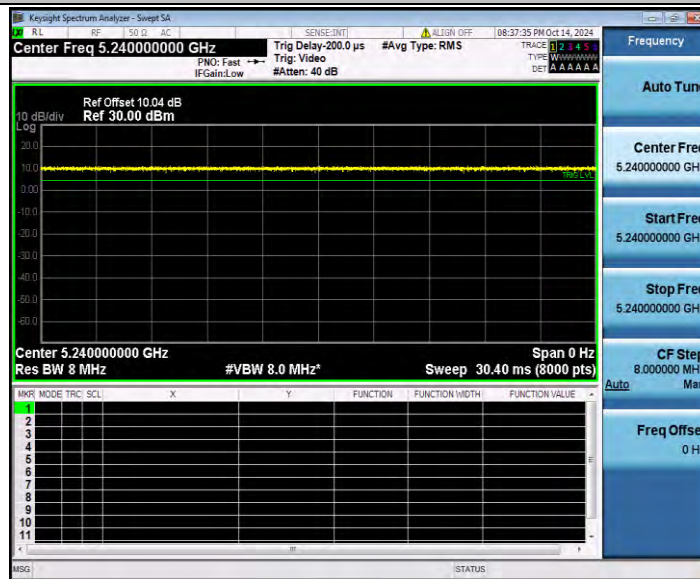
11AC20SISO_Ant1_5180



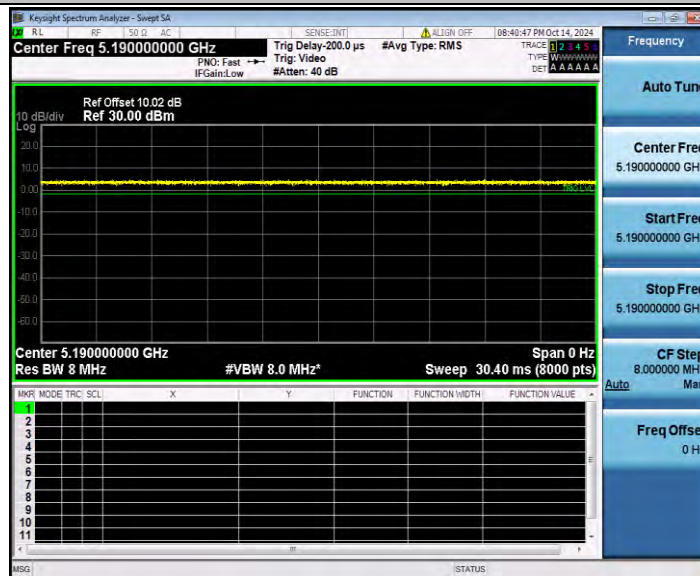
11AC20SISO_Ant1_5200



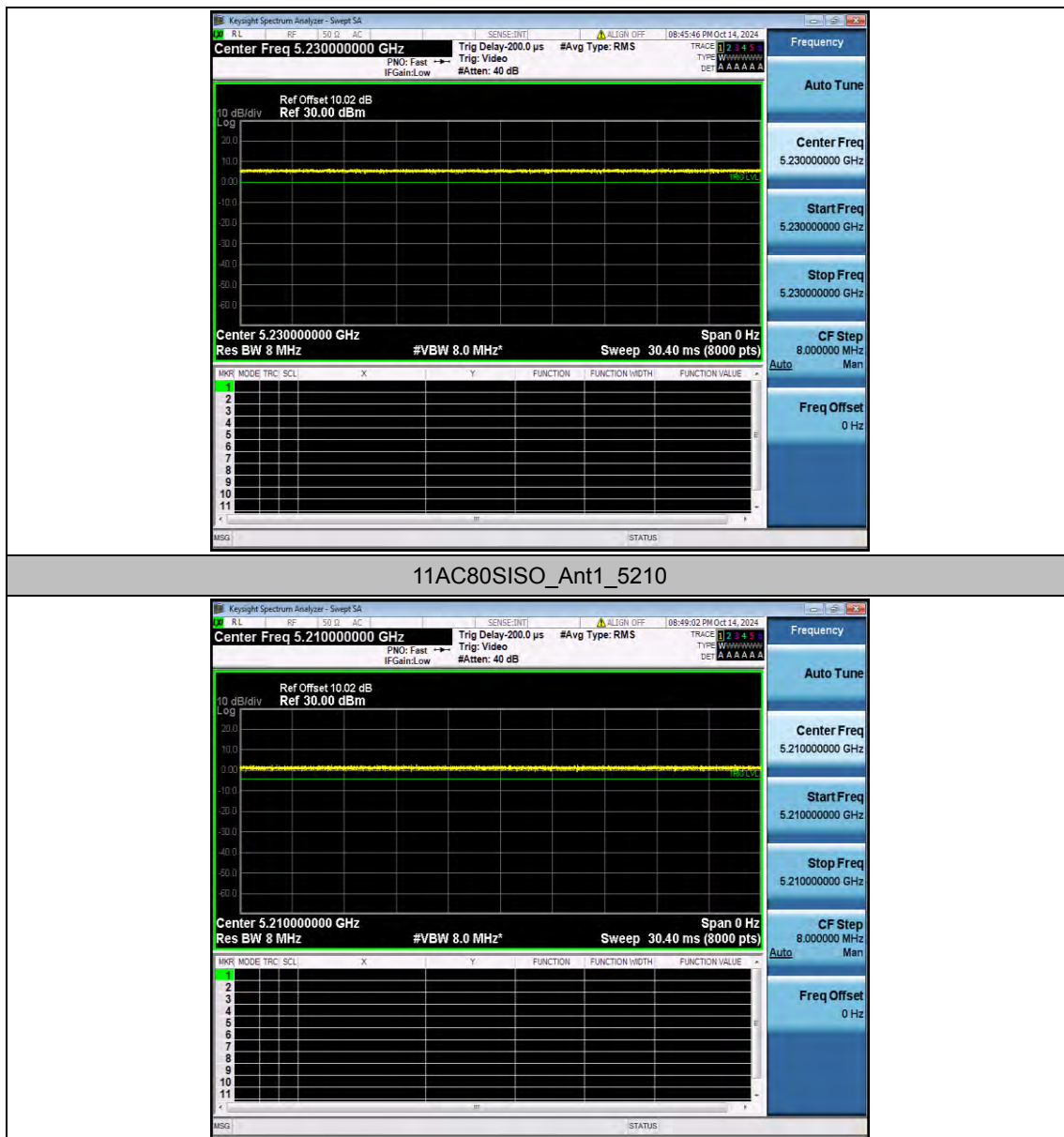
11AC20SISO_Ant1_5240



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	12.40	100.00	0.00	12.40	≤23.98	PASS
		5200	12.89	100.00	0.00	12.89	≤23.98	PASS
		5240	12.99	100.00	0.00	12.99	≤23.98	PASS
11N20SISO	Ant1	5180	13.10	100.00	0.00	13.10	≤23.98	PASS
		5200	13.25	100.00	0.00	13.25	≤23.98	PASS
		5240	13.59	100.00	0.00	13.59	≤23.98	PASS
11N40SISO	Ant1	5190	12.82	100.00	0.00	12.82	≤23.98	PASS
		5230	12.75	100.00	0.00	12.75	≤23.98	PASS
11AC20SISO	Ant1	5180	13.05	100.00	0.00	13.05	≤23.98	PASS
		5200	13.52	100.00	0.00	13.52	≤23.98	PASS
		5240	13.80	100.00	0.00	13.80	≤23.98	PASS
11AC40SISO	Ant1	5190	10.45	100.00	0.00	10.45	≤23.98	PASS
		5230	12.38	100.00	0.00	12.38	≤23.98	PASS
11AC80SISO	Ant1	5210	12.08	100.00	0.00	12.08	≤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	0.81	≤11.00	PASS
		5200	1.21	≤11.00	PASS
		5240	1.76	≤11.00	PASS
11N20SISO	Ant1	5180	1.31	≤11.00	PASS
		5200	1.38	≤11.00	PASS
		5240	1.86	≤11.00	PASS
11N40SISO	Ant1	5190	-1.88	≤11.00	PASS
		5230	-1.70	≤11.00	PASS
11AC20SISO	Ant1	5180	1.30	≤11.00	PASS
		5200	1.67	≤11.00	PASS
		5240	2.12	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.23	≤11.00	PASS
		5230	-2.09	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.27	≤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

