

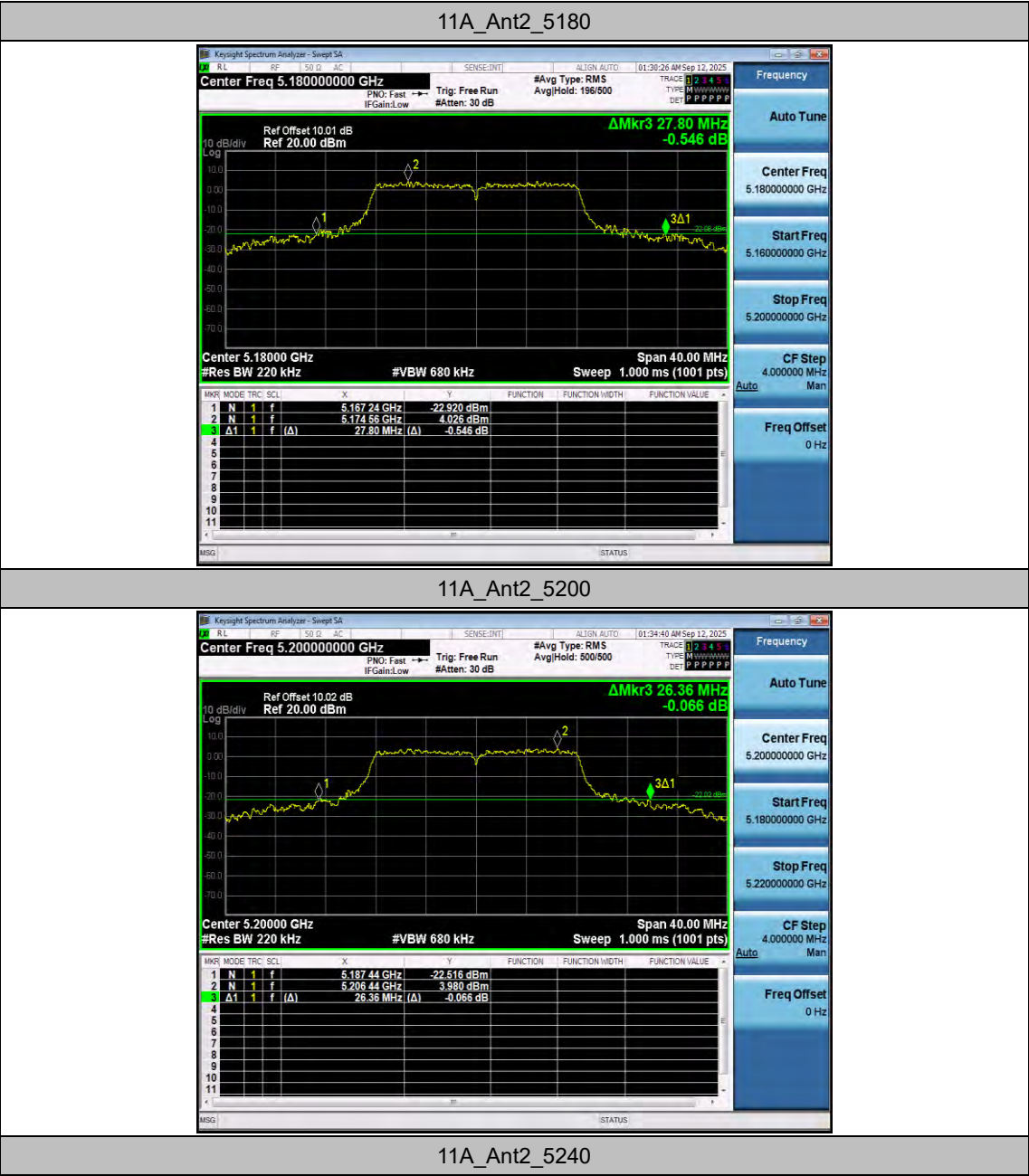
Case No. : <u>GTS20250904021-1-04</u>	
Ambient Condition: <u>23</u> °C, <u>57</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.9.9-2025.9.17</u>	Test Engineer: <u>Evan ouyang</u>

AppendixD.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	27.800	5167.240	5195.040	---	---
		5200	26.360	5187.440	5213.800	---	---
		5240	26.360	5227.400	5253.760	---	---
11N20SISO	Ant2	5180	25.040	5168.800	5193.840	---	---
		5200	21.680	5189.040	5210.720	---	---
		5240	23.120	5227.680	5250.800	---	---
11N40SISO	Ant2	5190	55.680	5161.280	5216.960	---	---
		5230	50.960	5201.280	5252.240	---	---
11AC20SISO	Ant2	5180	23.120	5168.880	5192.000	---	---
		5200	23.160	5188.960	5212.120	---	---
		5240	21.680	5229.080	5250.760	---	---
11AC40SISO	Ant2	5190	52.720	5160.960	5213.680	---	---
		5230	51.200	5201.040	5252.240	---	---
11AC80SISO	Ant2	5210	90.240	5169.200	5259.440	---	---

Test Graphs





11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



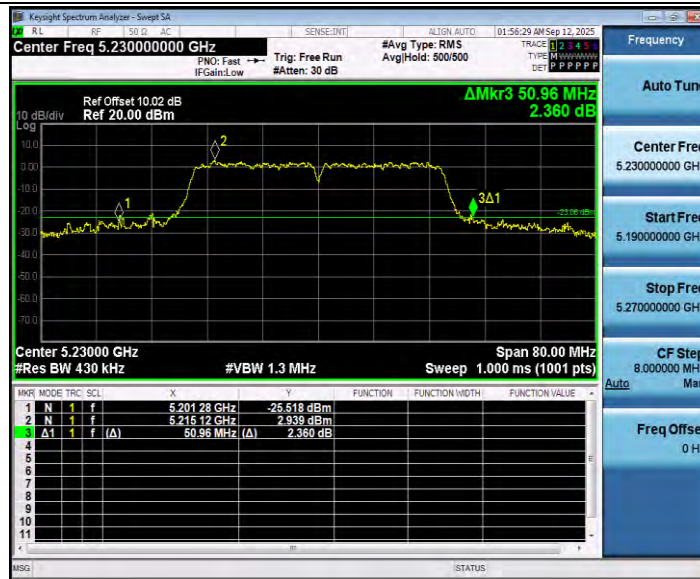
11N20SISO_Ant2_5240



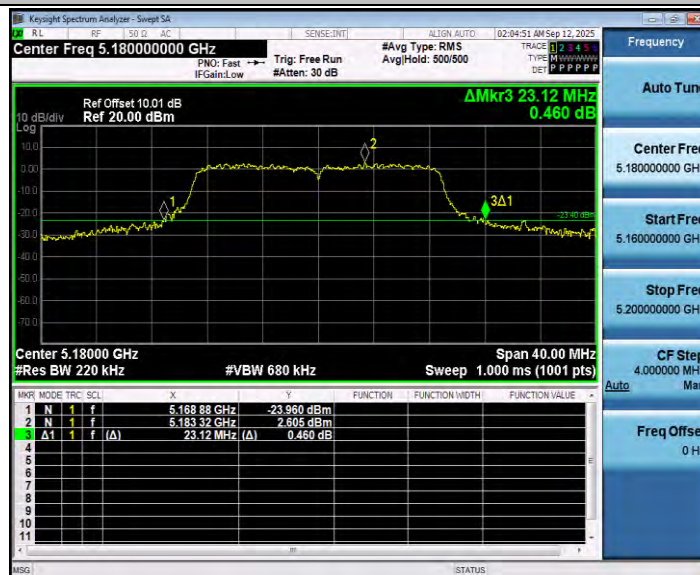
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



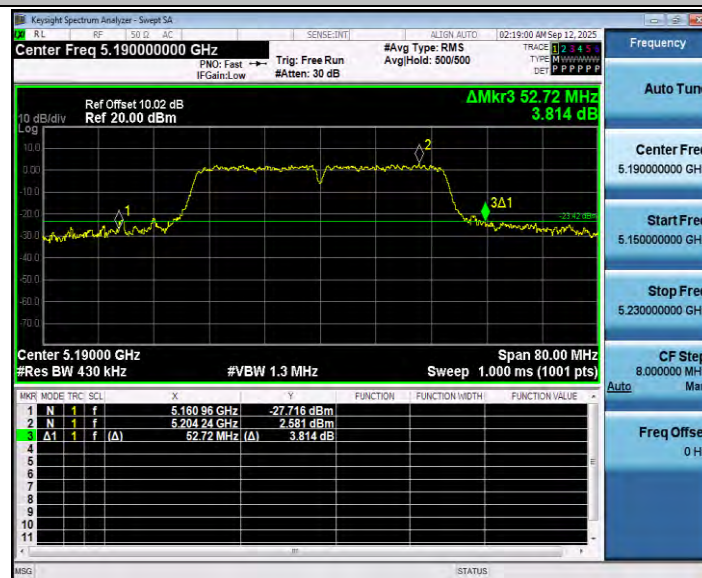
11AC20SISO_Ant2_5200



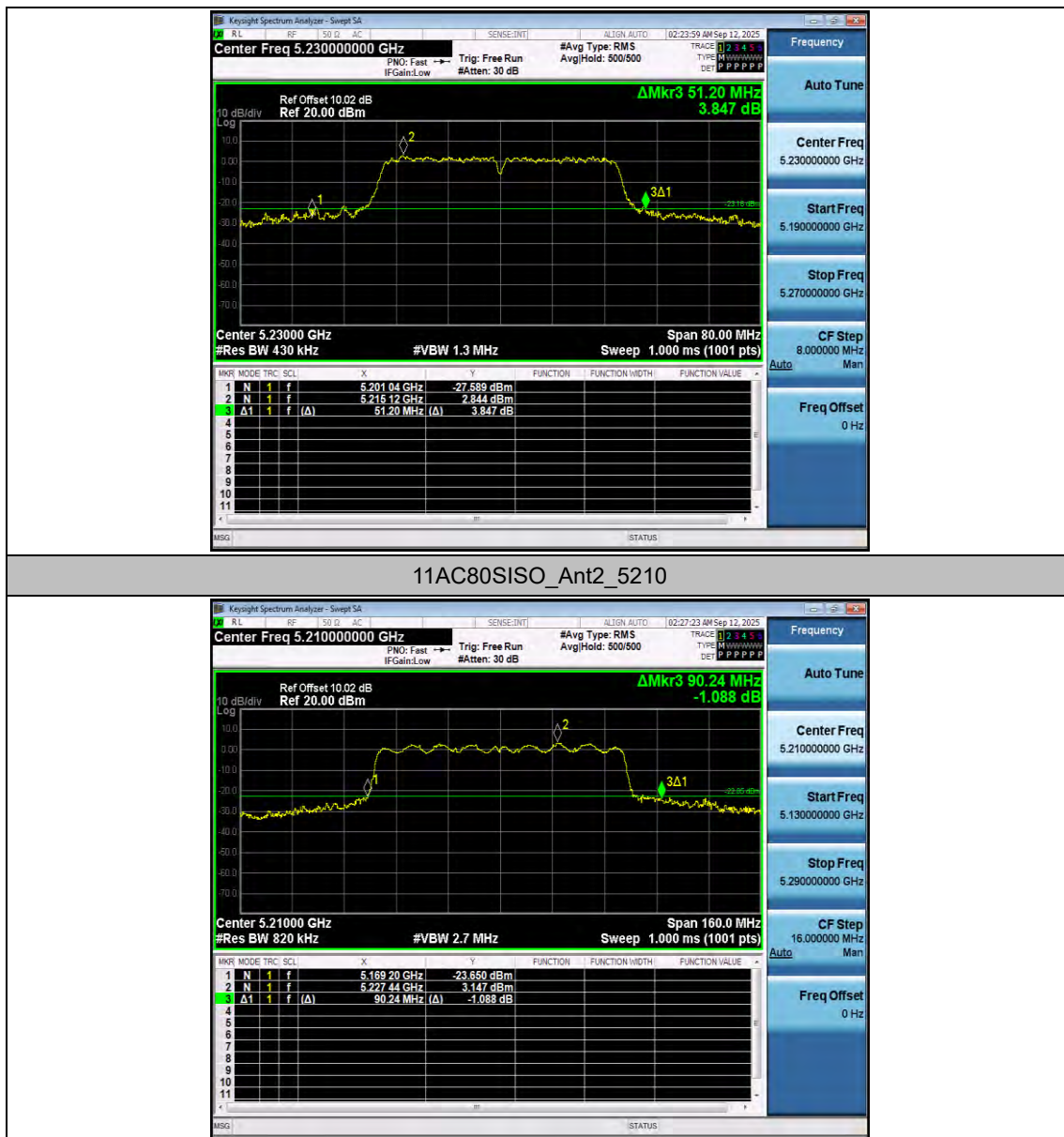
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230

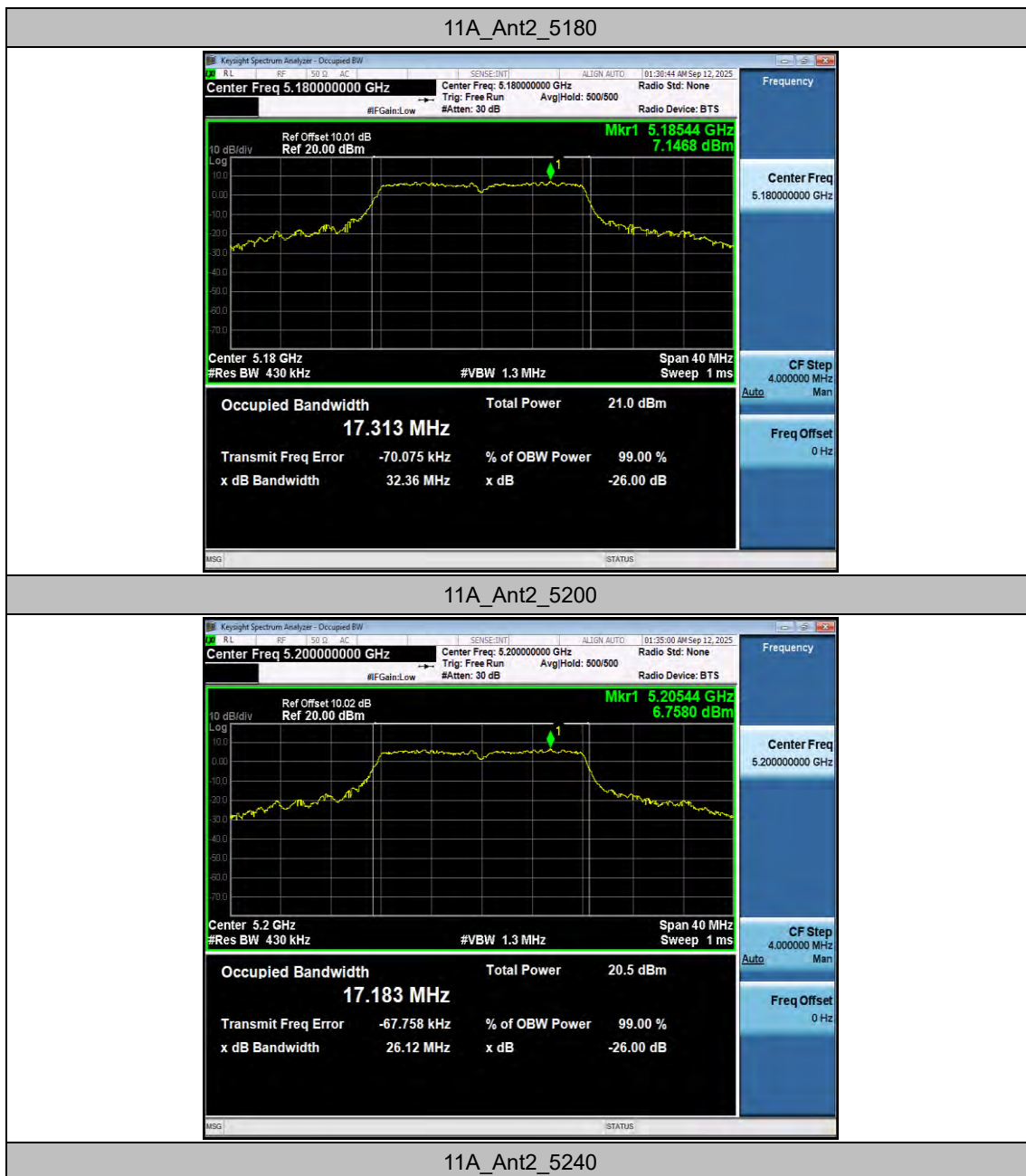


AppendixD.2: Occupied channel bandwidth

Test Result

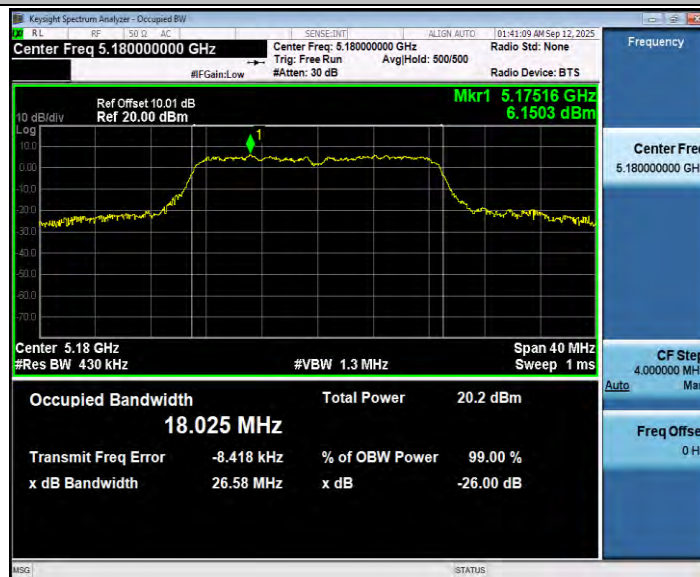
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.313	5171.2734	5188.5864	---	---
		5200	17.183	5191.3407	5208.5237	---	---
		5240	17.180	5231.2877	5248.4677	---	---
11N20SISO	Ant2	5180	18.025	5170.9791	5189.0041	---	---
		5200	17.968	5190.9934	5208.9614	---	---
		5240	18.017	5230.9314	5248.9484	---	---
11N40SISO	Ant2	5190	36.762	5171.7040	5208.4660	---	---
		5230	36.636	5211.6517	5248.2877	---	---
11AC20SISO	Ant2	5180	18.056	5170.9760	5189.0320	---	---
		5200	17.981	5191.0029	5208.9839	---	---
		5240	17.957	5230.9780	5248.9350	---	---
11AC40SISO	Ant2	5190	36.611	5171.7540	5208.3650	---	---
		5230	36.624	5211.6434	5248.2674	---	---
11AC80SISO	Ant2	5210	75.580	5172.3341	5247.9141	---	---

Test Graphs

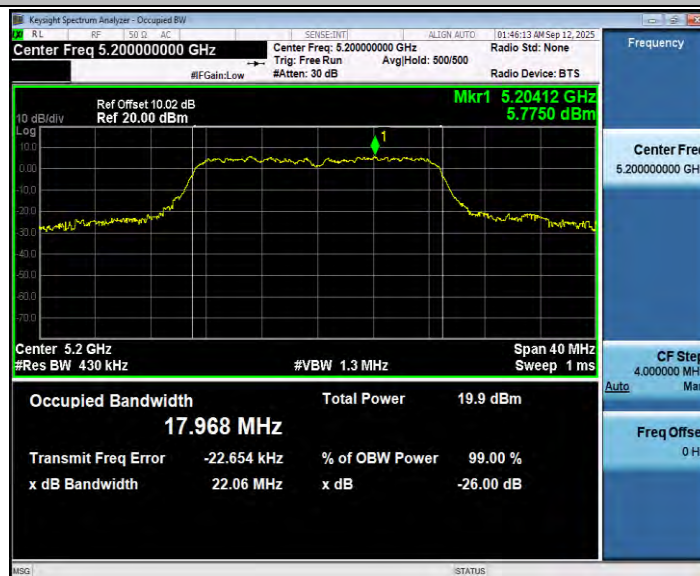




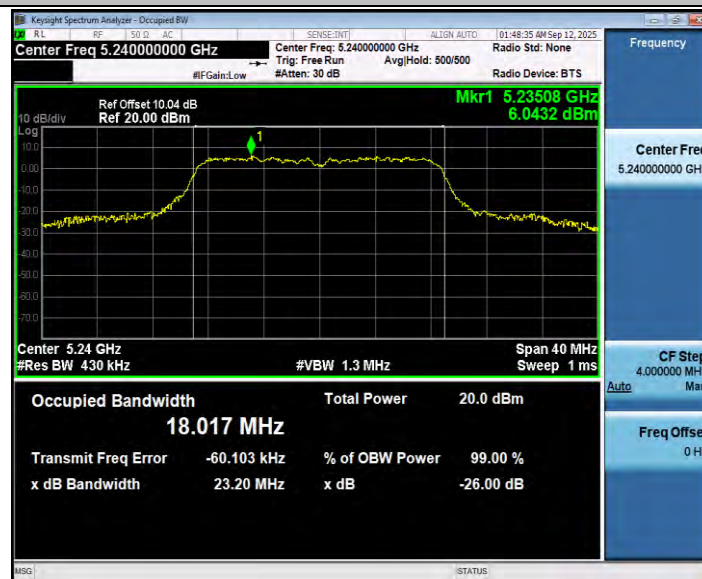
11N20SISO_Ant2_5180



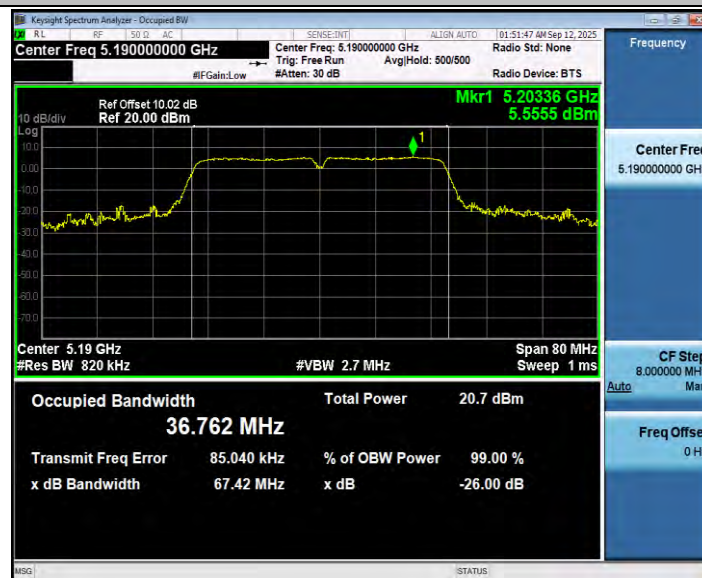
11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



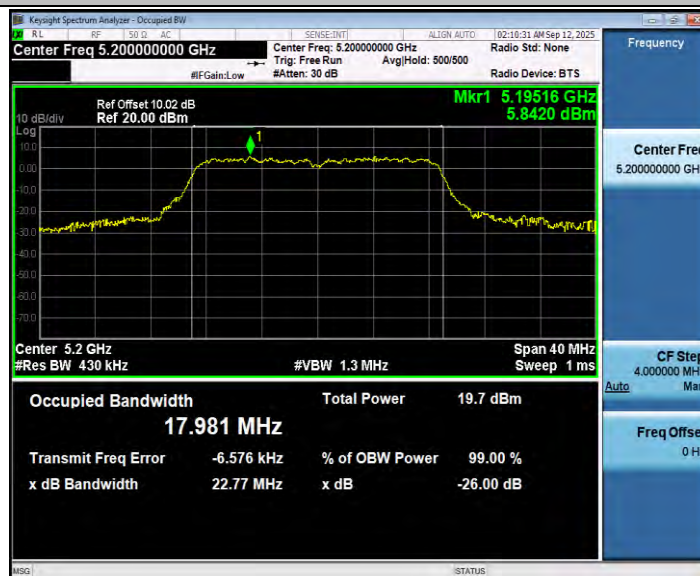
11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



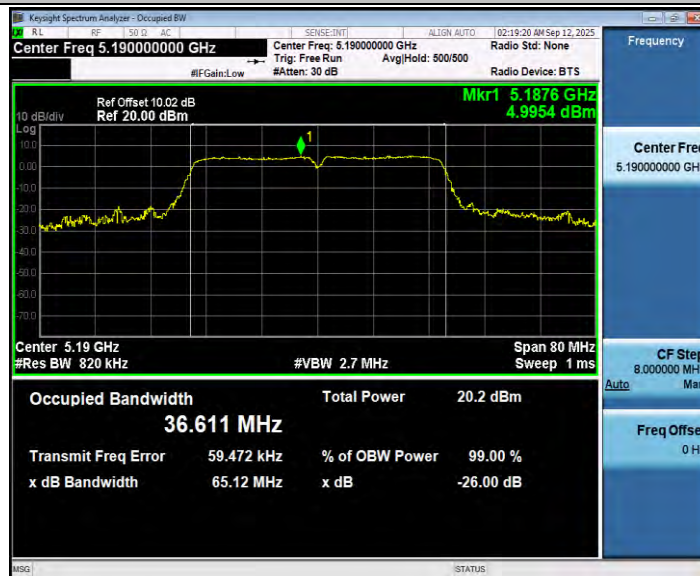
11AC20SISO_Ant2_5200



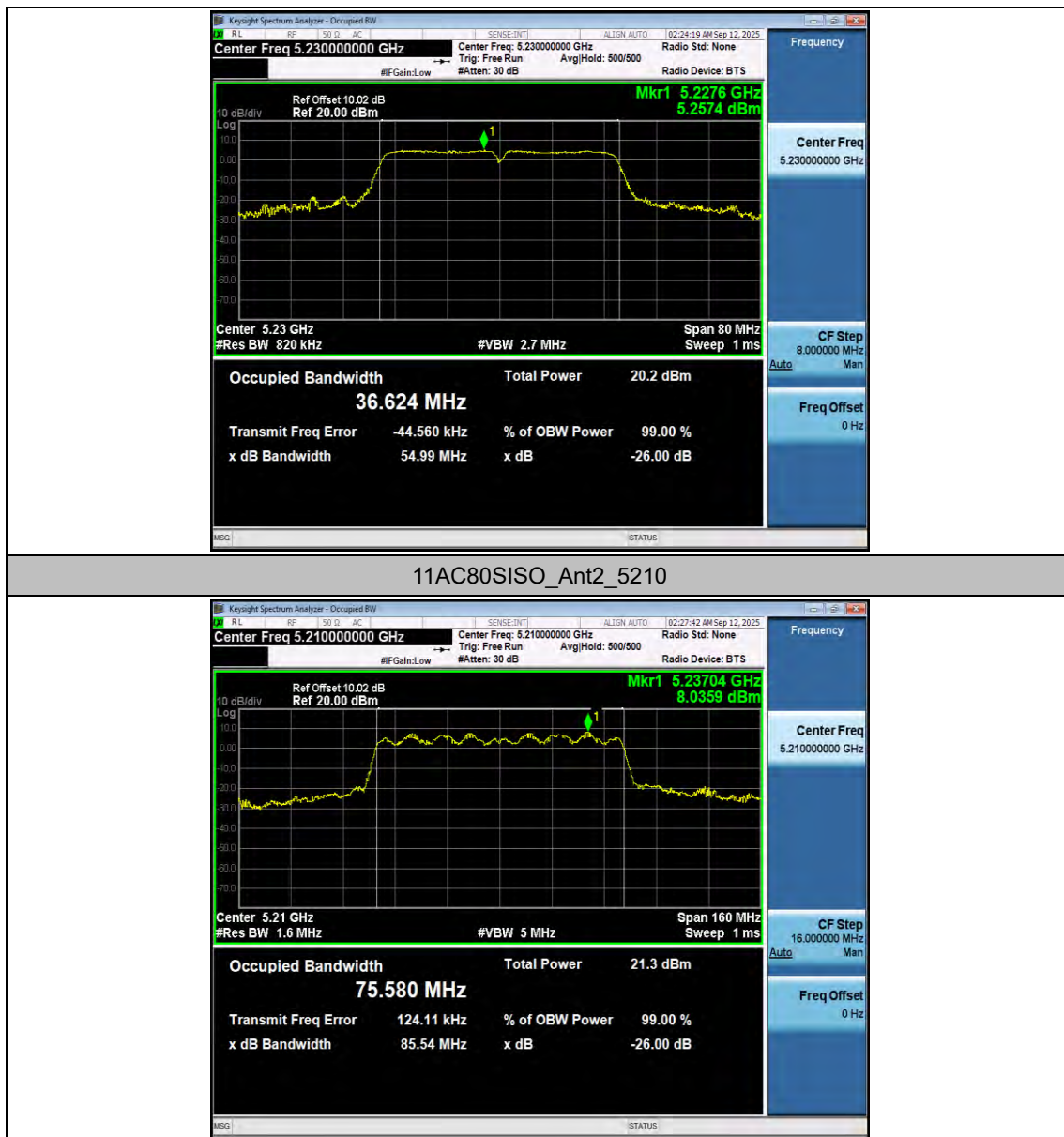
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230

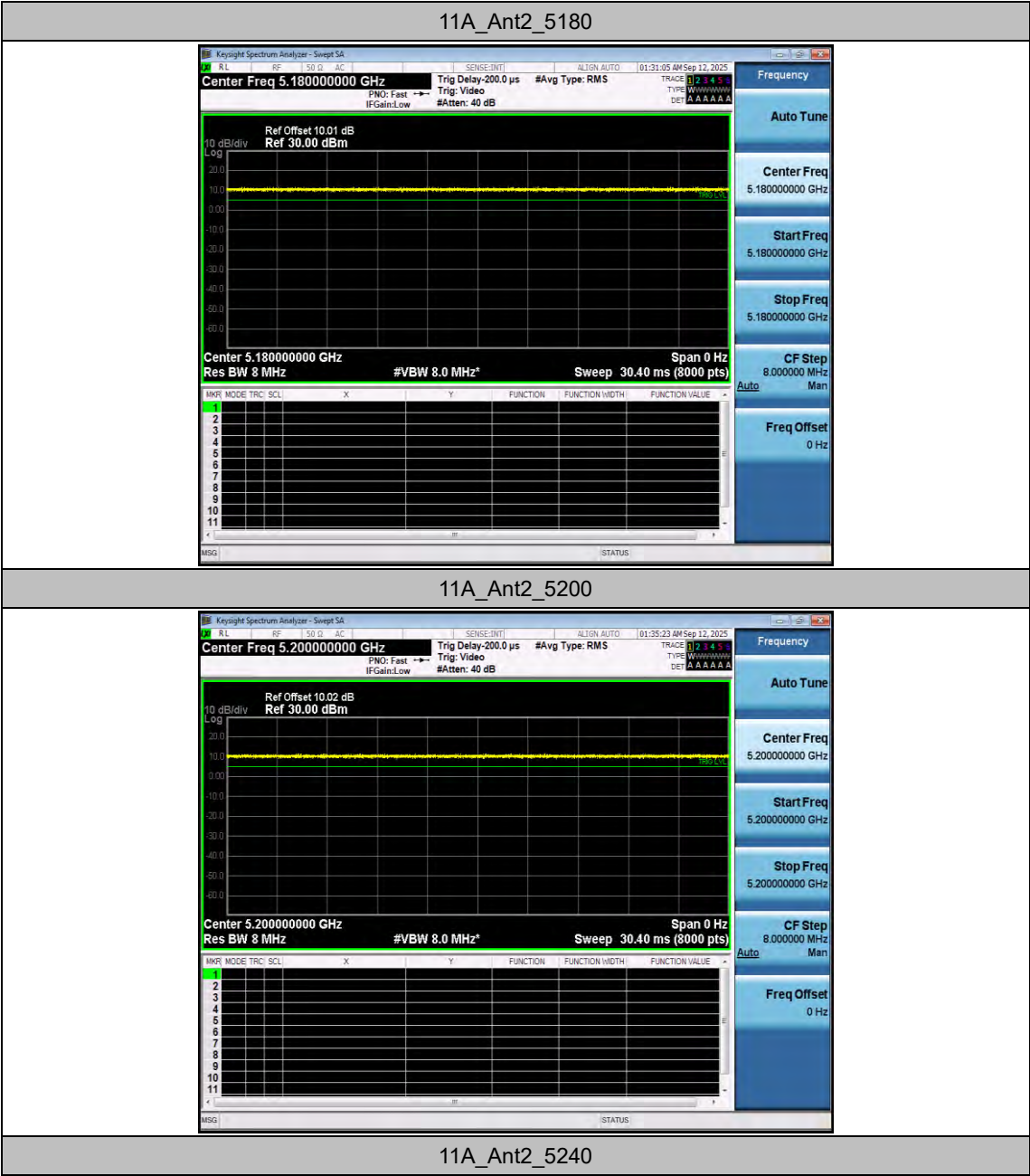


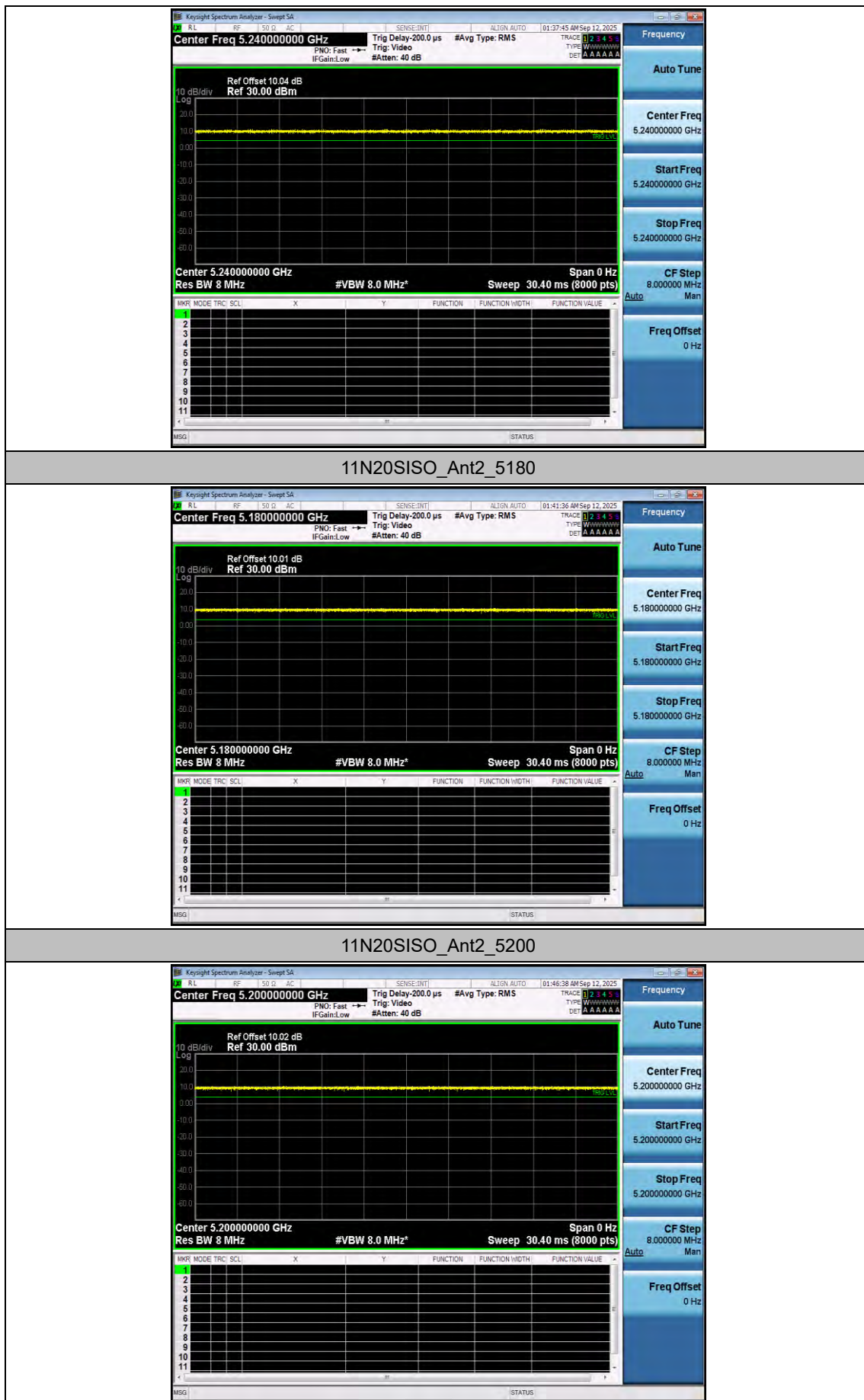
AppendixD.3: Duty Cycle

Test Result

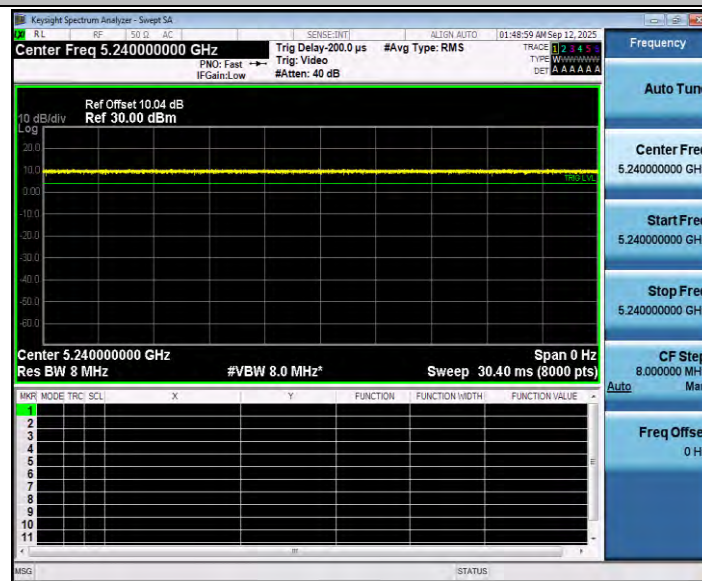
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant2	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant2	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant2	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	Ant2	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant2	5210	30.00	30.00	100.00	0.00	0.03

Test Graphs

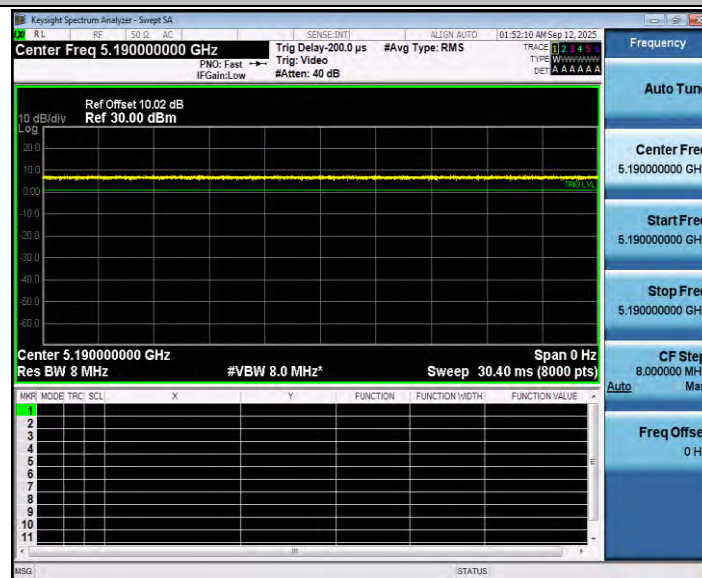




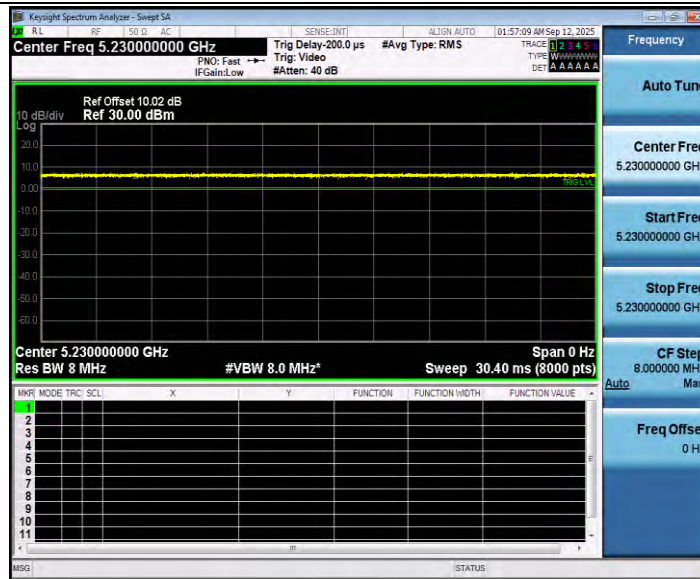
11N20SISO_Ant2_5240



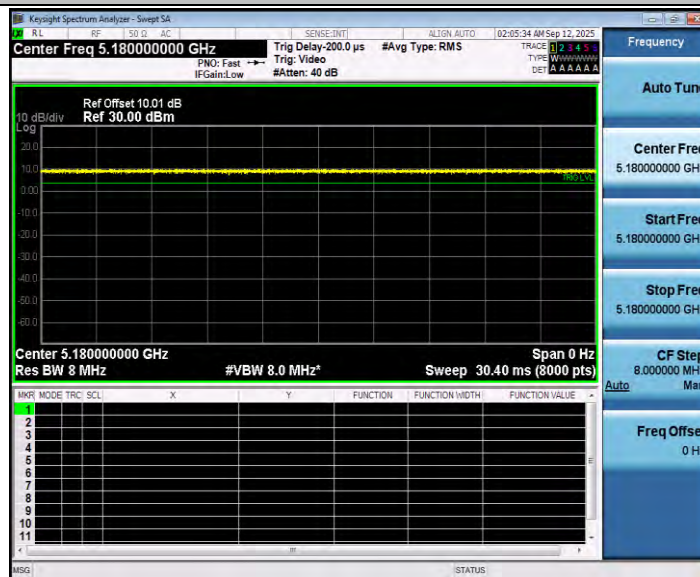
11N40SISO_Ant2_5190



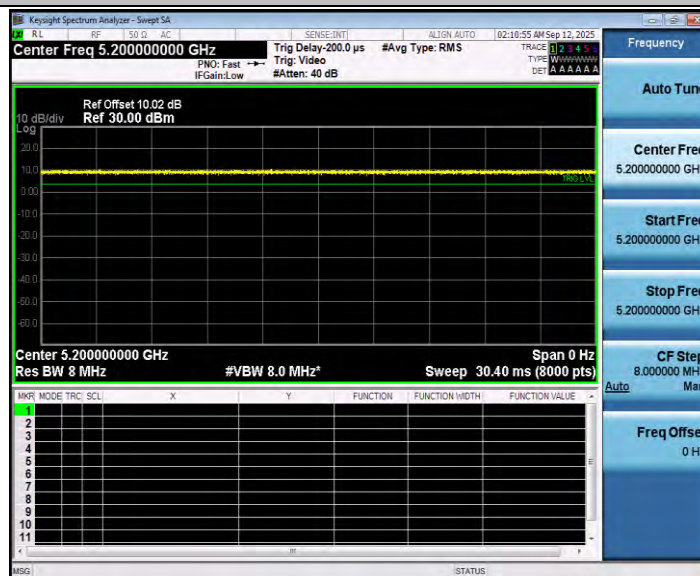
11N40SISO_Ant2_5230



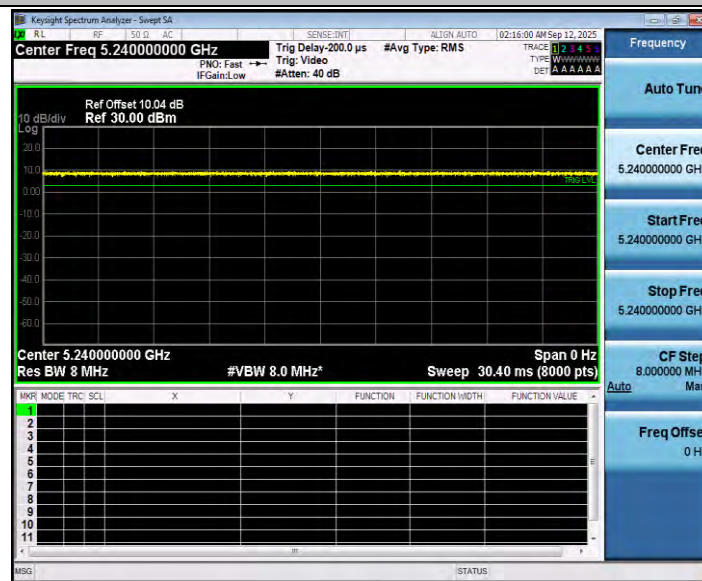
11AC20SISO_Ant2_5180



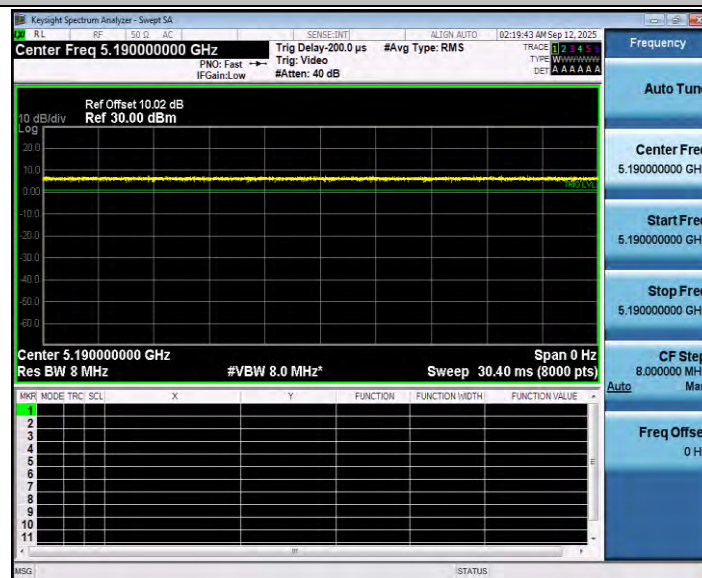
11AC20SISO_Ant2_5200



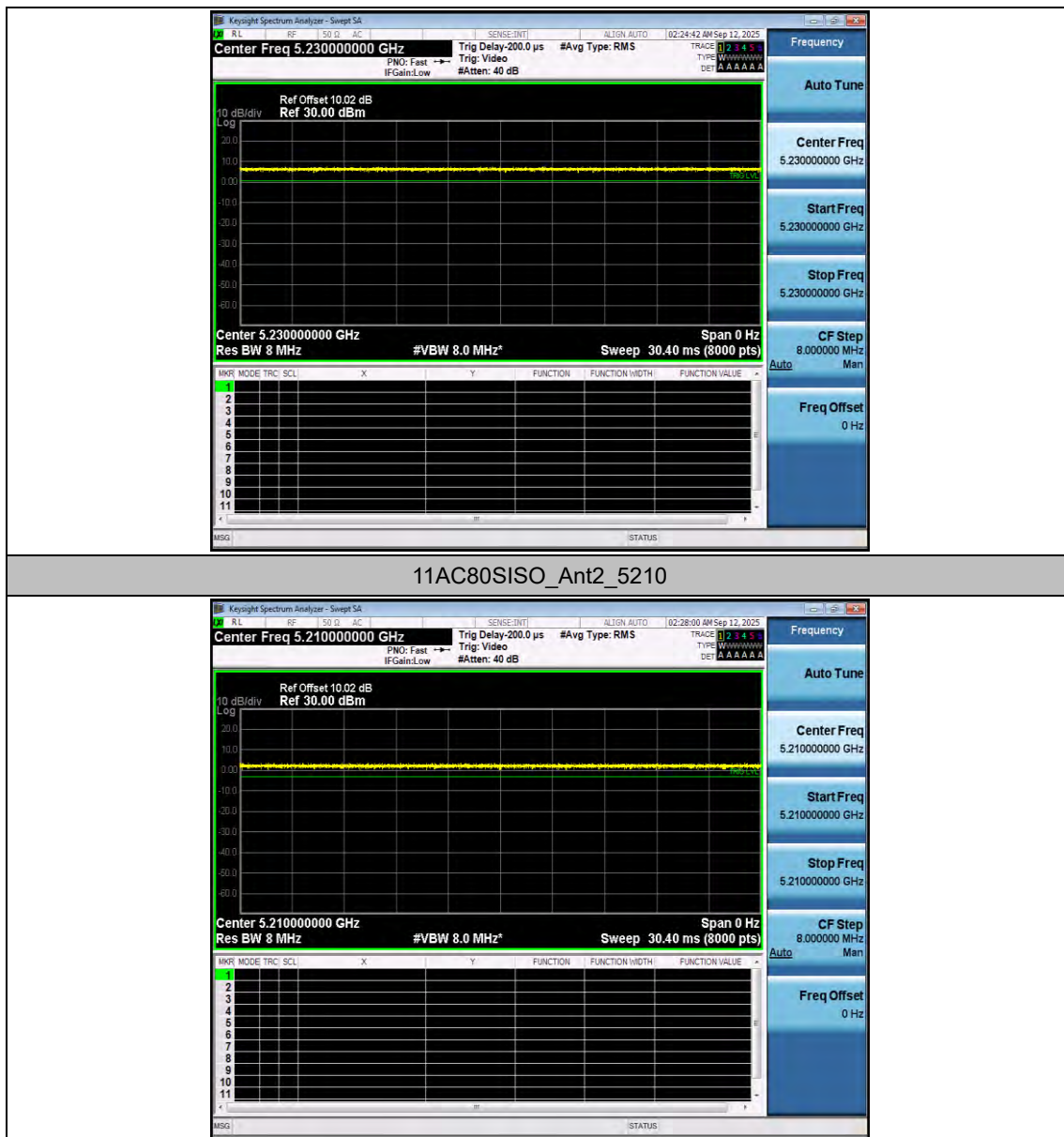
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



AppendixD.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	Ant2	5180	14.14	100.00	0.00	14.14	≤23.98	PASS
		5200	13.99	100.00	0.00	13.99	≤23.98	PASS
		5240	13.52	100.00	0.00	13.52	≤23.98	PASS
11N20SISO	Ant2	5180	13.41	100.00	0.00	13.41	≤23.98	PASS
		5200	13.22	100.00	0.00	13.22	≤23.98	PASS
		5240	13.27	100.00	0.00	13.27	≤23.98	PASS
11N40SISO	Ant2	5190	13.47	100.00	0.00	13.47	≤23.98	PASS
		5230	12.96	100.00	0.00	12.96	≤23.98	PASS
11AC20SISO	Ant2	5180	13.08	100.00	0.00	13.08	≤23.98	PASS
		5200	13.06	100.00	0.00	13.06	≤23.98	PASS
		5240	12.30	100.00	0.00	12.30	≤23.98	PASS
11AC40SISO	Ant2	5190	12.91	100.00	0.00	12.91	≤23.98	PASS
		5230	12.95	100.00	0.00	12.95	≤23.98	PASS
11AC80SISO	Ant2	5210	12.39	100.00	0.00	12.39	≤23.98	PASS

AppendixD.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	2.51	≤11.00	PASS
		5200	2.48	≤11.00	PASS
		5240	2.04	≤11.00	PASS
11N20SISO	Ant2	5180	1.66	≤11.00	PASS
		5200	1.56	≤11.00	PASS
		5240	1.59	≤11.00	PASS
11N40SISO	Ant2	5190	-1.11	≤11.00	PASS
		5230	-1.78	≤11.00	PASS
11AC20SISO	Ant2	5180	1.40	≤11.00	PASS
		5200	1.42	≤11.00	PASS
		5240	0.66	≤11.00	PASS
11AC40SISO	Ant2	5190	-1.67	≤11.00	PASS
		5230	-1.77	≤11.00	PASS
11AC80SISO	Ant2	5210	-4.04	≤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_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



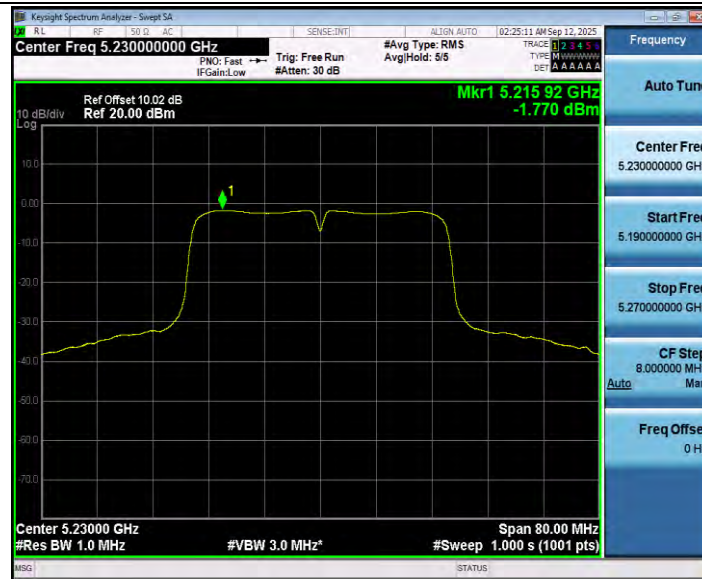
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210

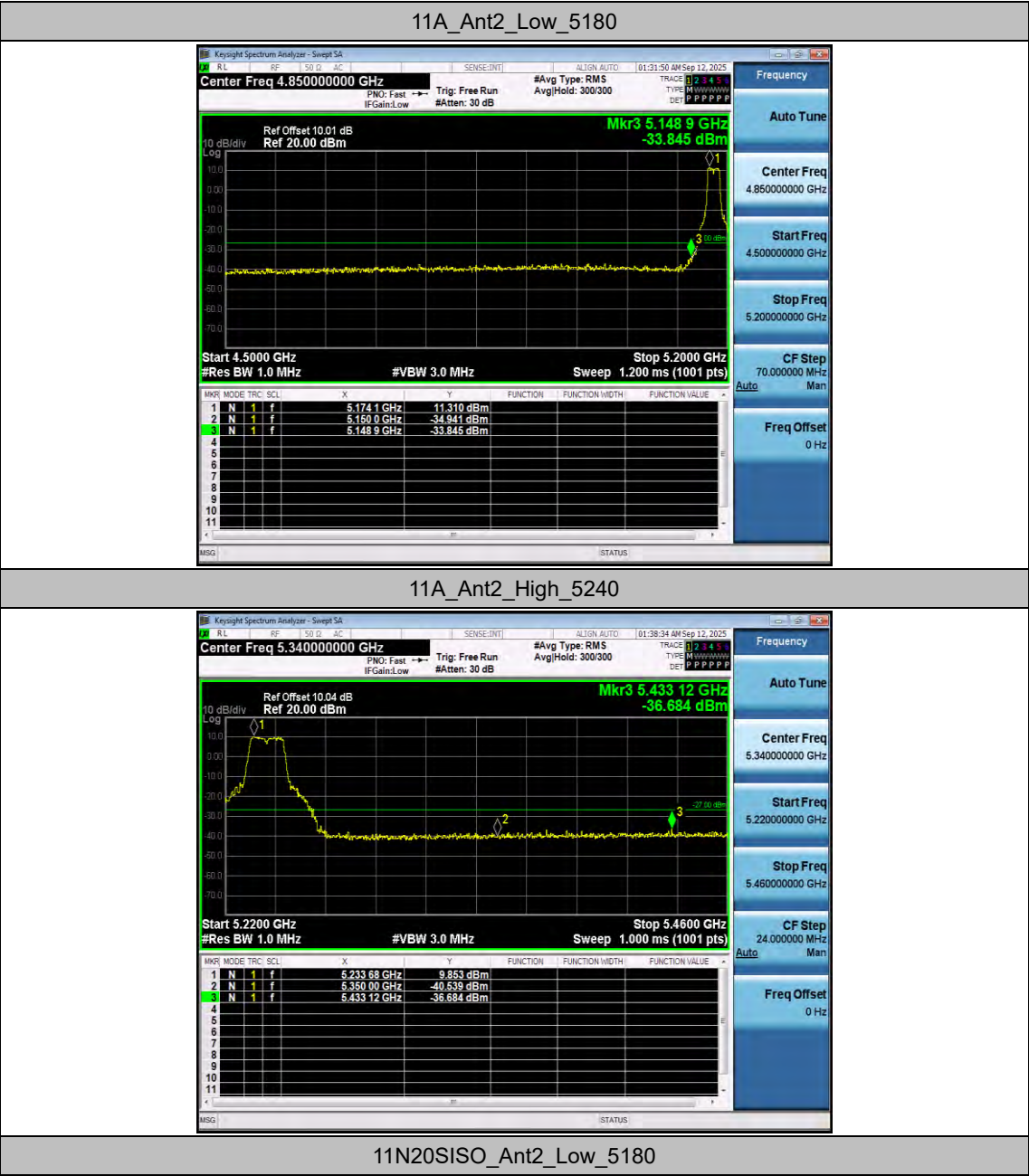


Appendix D.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant2	Low	5180	-33.85	≤ -27	PASS
		High	5240	-36.68	≤ -27	PASS
11N20SISO	Ant2	Low	5180	-33.27	≤ -27	PASS
		High	5240	-37.32	≤ -27	PASS
11N40SISO	Ant2	Low	5190	-32.63	≤ -27	PASS
		High	5230	-36.79	≤ -27	PASS
11AC20SISO	Ant2	Low	5180	-34.79	≤ -27	PASS
		High	5240	-37.51	≤ -27	PASS
11AC40SISO	Ant2	Low	5190	-32.23	≤ -27	PASS
		High	5230	-36.66	≤ -27	PASS
11AC80SISO	Ant2	Low	5210	-32.19	≤ -27	PASS
		High	5210	-37.15	≤ -27	PASS

Test GraphsB1



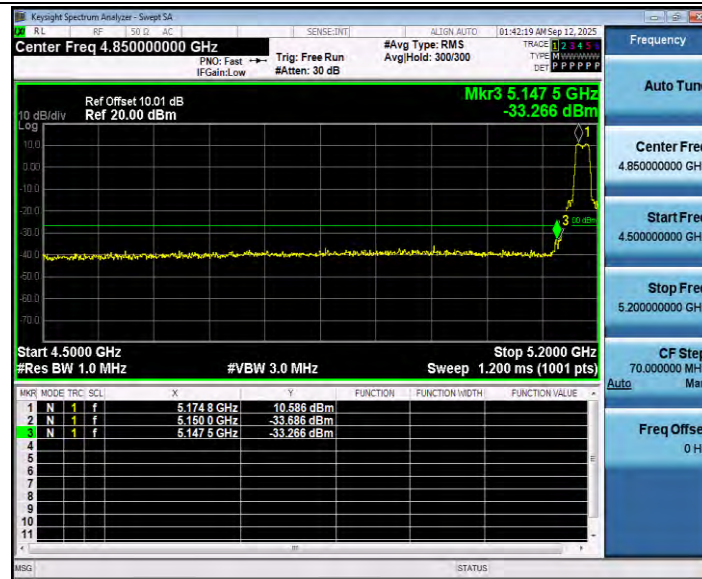
11A_Ant2_High_5240

Frequency

Auto Tune

Center Freq
5.34000000 GHzStart Freq
5.22000000 GHzStop Freq
5.46000000 GHzCF Step
24.000000 MHz
ManFreq Offset
0 Hz

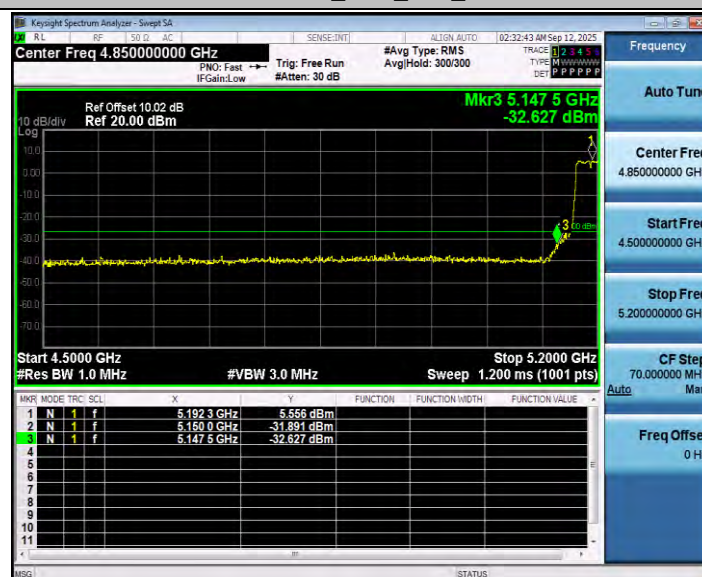
11N20SISO_Ant2_Low_5180



11N20SISO_Ant2_High_5240



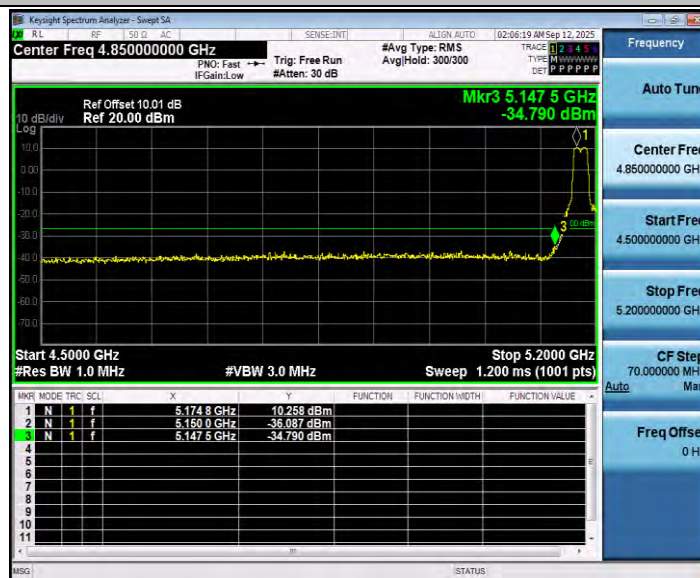
11N40SISO_Ant2_Low_5190



11N40SISO_Ant2_High_5230



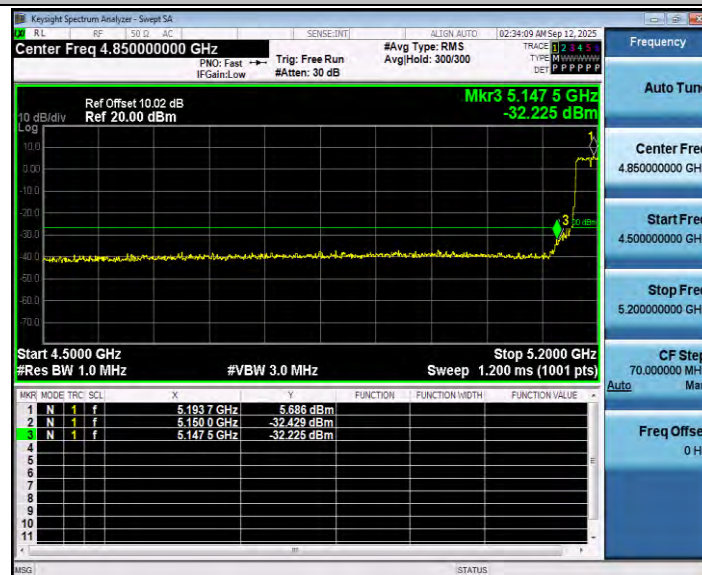
11AC20SISO_Ant2_Low_5180



11AC20SISO_Ant2_High_5240



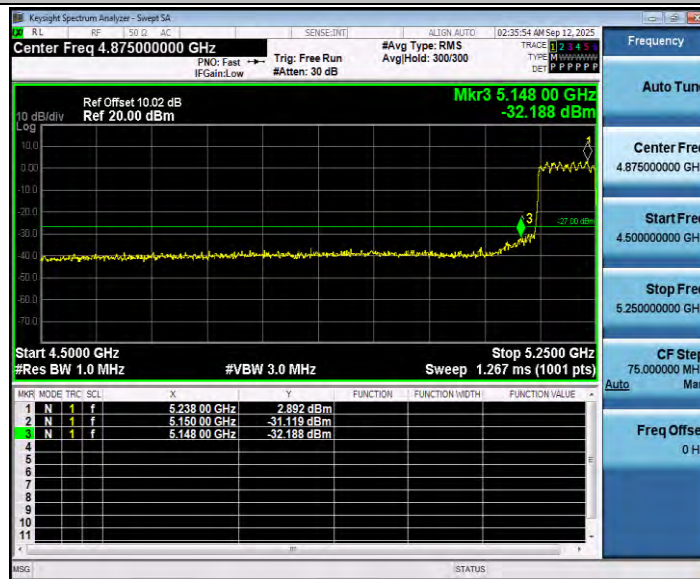
11AC40SISO_Ant2_Low_5190



11AC40SISO_Ant2_High_5230



11AC80SISO_Ant2_Low_5210



11AC80SISO_Ant2_High_5210



AppendixD.7:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	30~5140	5138.81	-44.66	≤-27	PASS
			5360~27000	23549.86	-35.7	≤-27	PASS
		5200	30~5140	5021.62	-46.15	≤-27	PASS
			5360~27000	24266.15	-35.43	≤-27	PASS
		5240	30~5140	2324.22	-42.21	≤-27	PASS
			5360~27000	24797.77	-35.82	≤-27	PASS
11N20SISO	Ant2	5180	30~5140	2585.68	-37.84	≤-27	PASS
			5360~27000	24175.26	-36.31	≤-27	PASS
		5200	30~5140	2756.01	-46	≤-27	PASS
			5360~27000	24302.21	-36.97	≤-27	PASS
		5240	30~5140	2543.44	-46.4	≤-27	PASS
			5360~27000	24283.46	-36.33	≤-27	PASS
11N40SISO	Ant2	5190	30~5140	5139.32	-37.41	≤-27	PASS
			5360~27000	24235.13	-36.95	≤-27	PASS
		5230	30~5140	2586.7	-35.36	≤-27	PASS
			5360~27000	24115.39	-37.08	≤-27	PASS
11AC20SISO	Ant2	5180	30~5140	2592.32	-41.59	≤-27	PASS
			5360~27000	26925.7	-36.13	≤-27	PASS
		5200	30~5140	3279.28	-45.37	≤-27	PASS
			5360~27000	24797.77	-37.02	≤-27	PASS
		5240	30~5140	2641.72	-46.24	≤-27	PASS
			5360~27000	26541.23	-36.74	≤-27	PASS
11AC40SISO	Ant2	5190	30~5140	5139.49	-37.75	≤-27	PASS
			5360~27000	26644.38	-37.17	≤-27	PASS
		5230	30~5140	2518.91	-46.97	≤-27	PASS
			5360~27000	25651.83	-37.18	≤-27	PASS
11AC80SISO	Ant2	5210	30~5140	5139.15	-31.64	≤-27	PASS
			5360~27000	26499.39	-36.61	≤-27	PASS

Test Graphs

11A_Ant2_5180_30~5140



11A_Ant2_5180_5360~27000



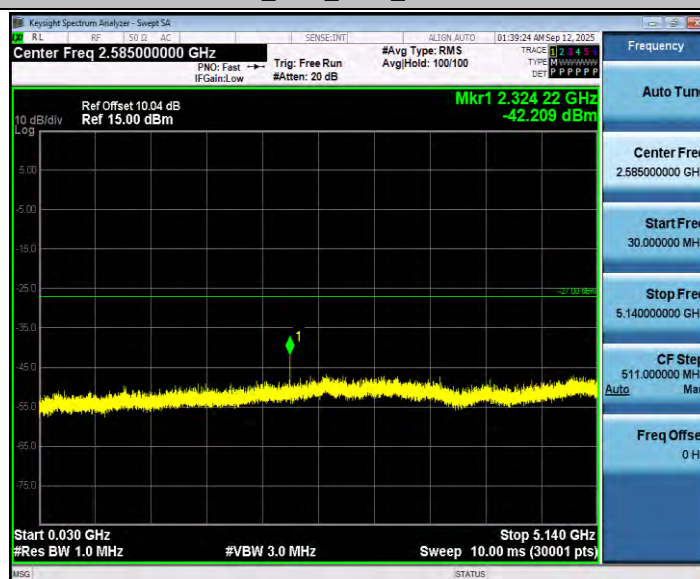
11A_Ant2_5200_30~5140



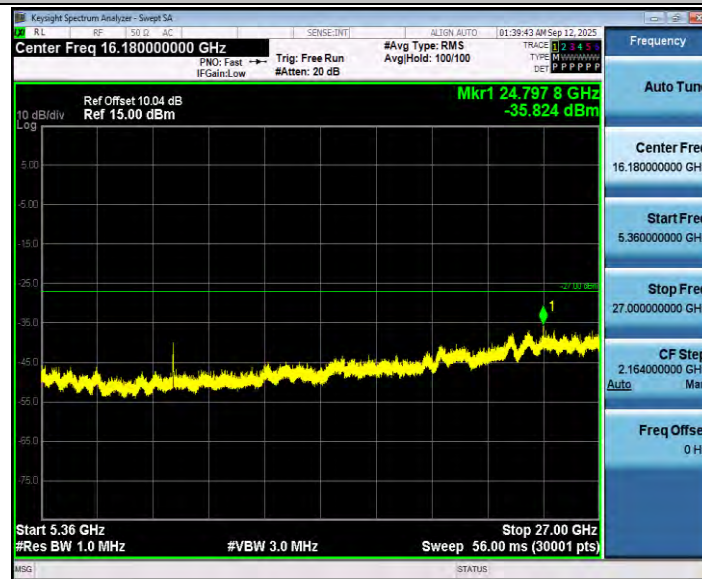
11A_Ant2_5200_5360~27000



11A_Ant2_5240_30~5140



11A_Ant2_5240_5360~27000



11N20SISO_Ant2_5180_30~5140



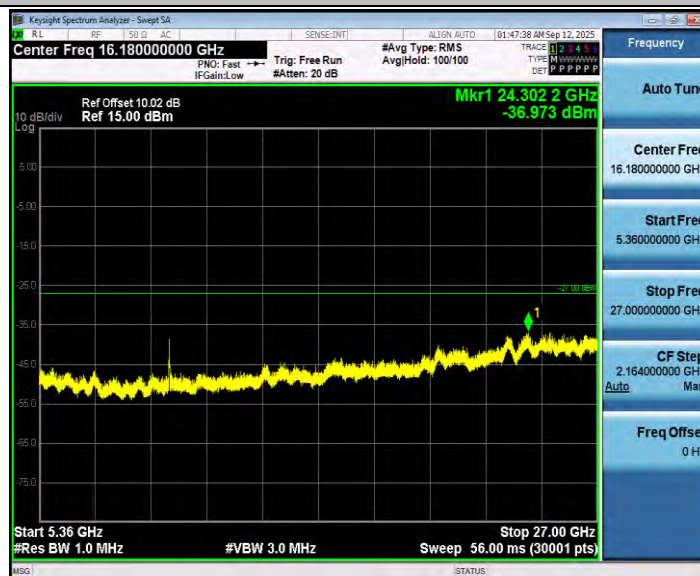
11N20SISO_Ant2_5180_5360~27000



11N20SISO_Ant2_5200_30~5140



11N20SISO_Ant2_5200_5360~27000



11N20SISO_Ant2_5240_30~5140



11N20SISO_Ant2_5240_5360~27000



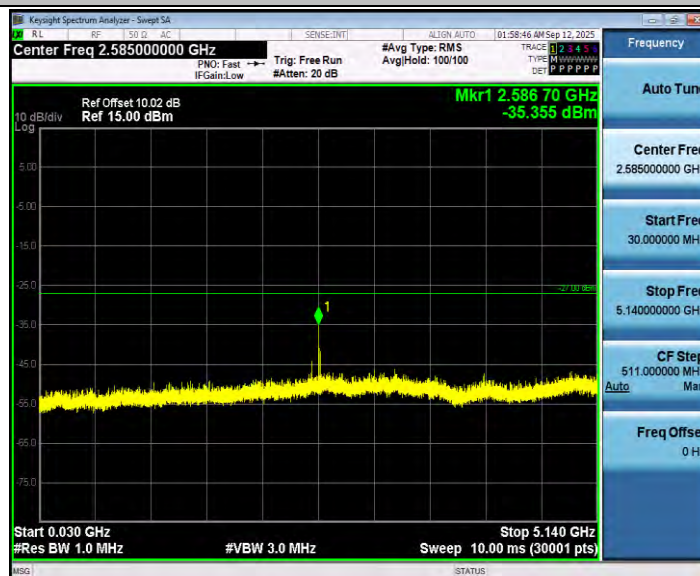
11N40SISO_Ant2_5190_30~5140



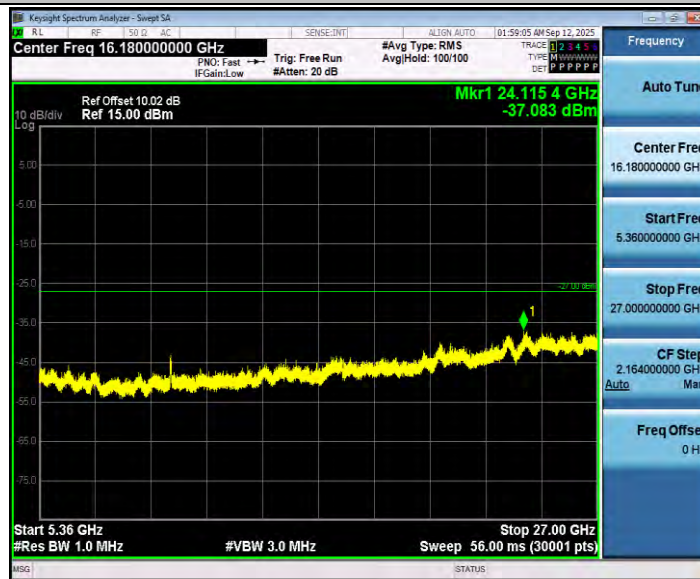
11N40SISO_Ant2_5190_5360~27000



11N40SISO_Ant2_5230_30~5140



11N40SISO_Ant2_5230_5360~27000



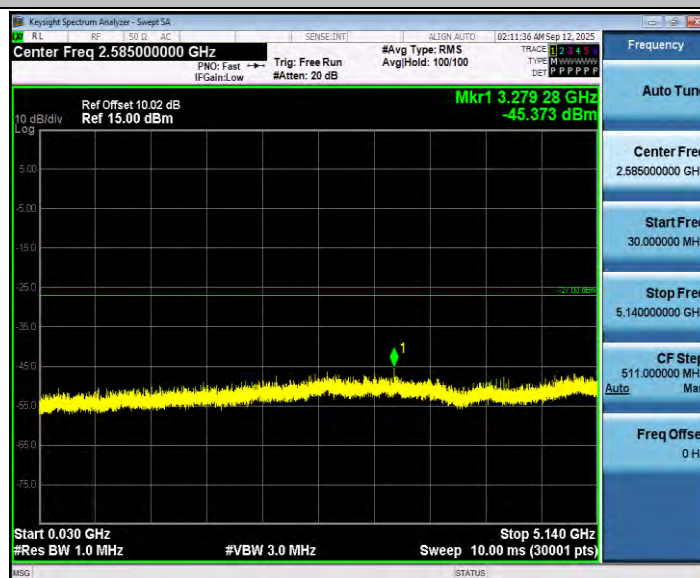
11AC20SISO_Ant2_5180_30~5140



11AC20SISO_Ant2_5180_5360~27000



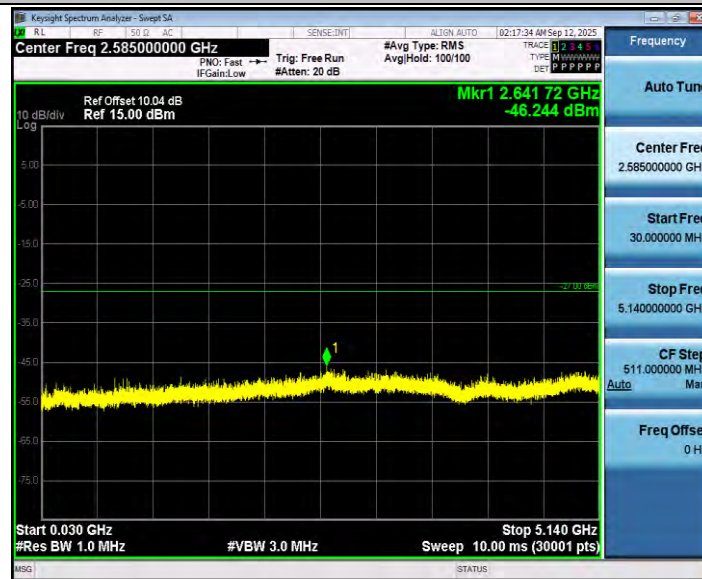
11AC20SISO_Ant2_5200_30~5140



11AC20SISO_Ant2_5200_5360~27000



11AC20SISO_Ant2_5240_30~5140



11AC20SISO_Ant2_5240_5360~27000



11AC40SISO_Ant2_5190_30~5140



11AC40SISO_Ant2_5190_5360~27000



11AC40SISO_Ant2_5230_30~5140

