

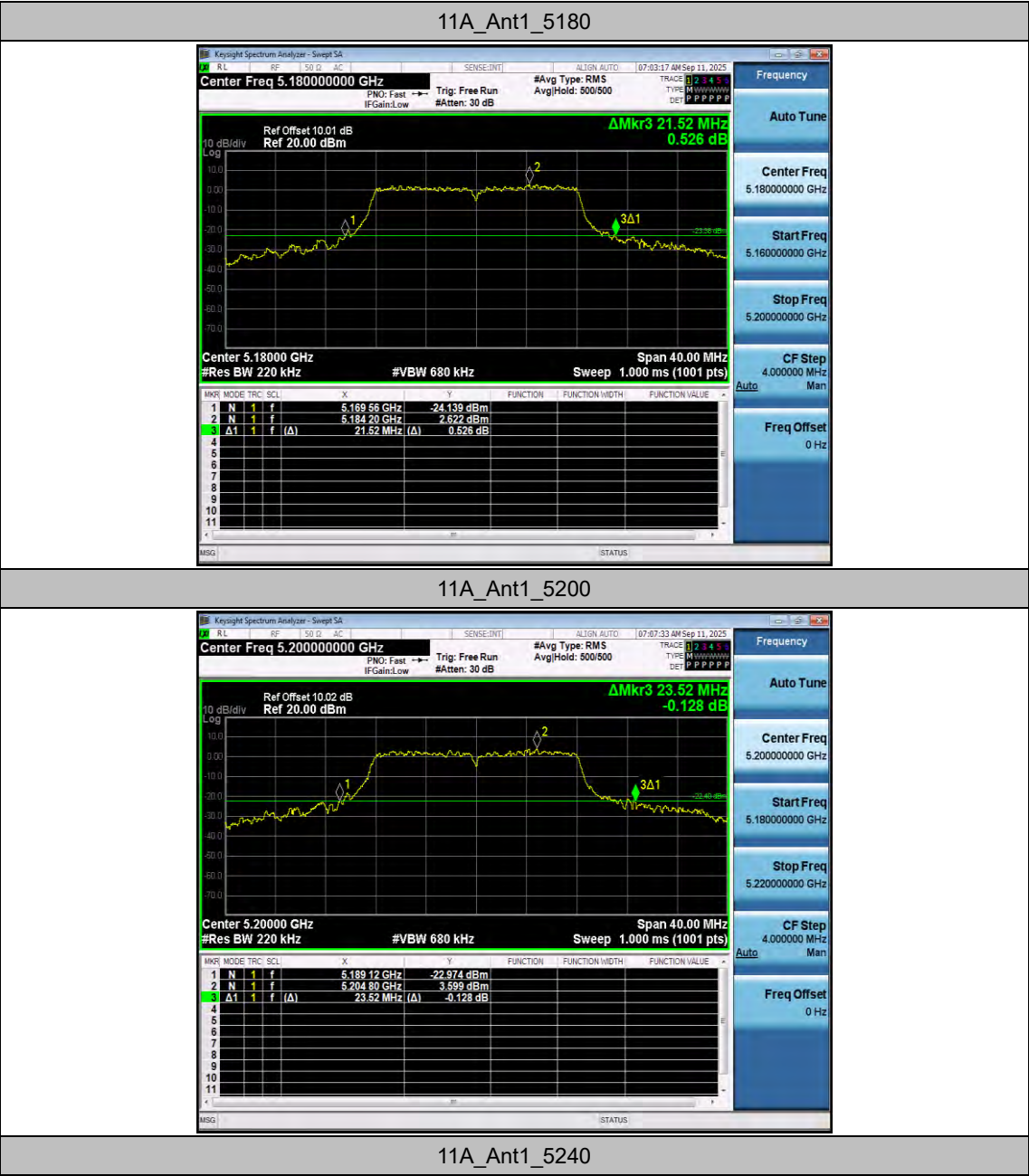
Case No. : <u>GTS20250904021-1-04</u>
Ambient Condition: <u>22</u> °C, <u>57</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.9.9-2025.9.17</u> Test Engineer: <u>Evan ouyang</u>

AppendixD.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.520	5169.560	5191.080	---	---
		5200	23.520	5189.120	5212.640	---	---
		5240	26.440	5227.400	5253.840	---	---
11N20SISO	Ant1	5180	21.640	5169.120	5190.760	---	---
		5200	21.800	5189.040	5210.840	---	---
		5240	26.200	5228.800	5255.000	---	---
11N40SISO	Ant1	5190	43.280	5168.960	5212.240	---	---
		5230	44.240	5209.360	5253.600	---	---
11AC20SISO	Ant1	5180	21.200	5169.400	5190.600	---	---
		5200	21.400	5189.320	5210.720	---	---
		5240	24.880	5228.840	5253.720	---	---
11AC40SISO	Ant1	5190	41.280	5169.360	5210.640	---	---
		5230	47.440	5208.960	5256.400	---	---
11AC80SISO	Ant1	5210	82.080	5169.520	5251.600	---	---

Test Graphs



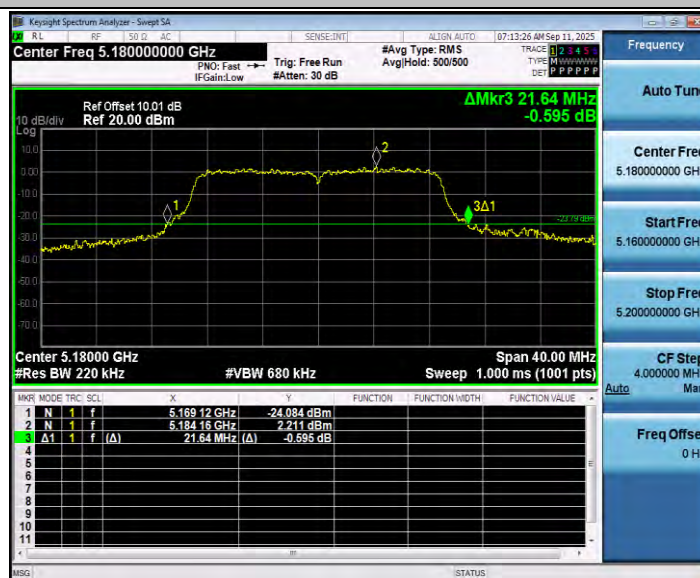
11A_Ant1_5200

Frequency
Auto Tune
Center Freq 5.20000000 GHz
Start Freq 5.180000000 GHz
Stop Freq 5.220000000 GHz
CF Step 4.000000 MHz
Freq Offset 0 Hz

11A_Ant1_5240



11N20SISO_Ant1_5180



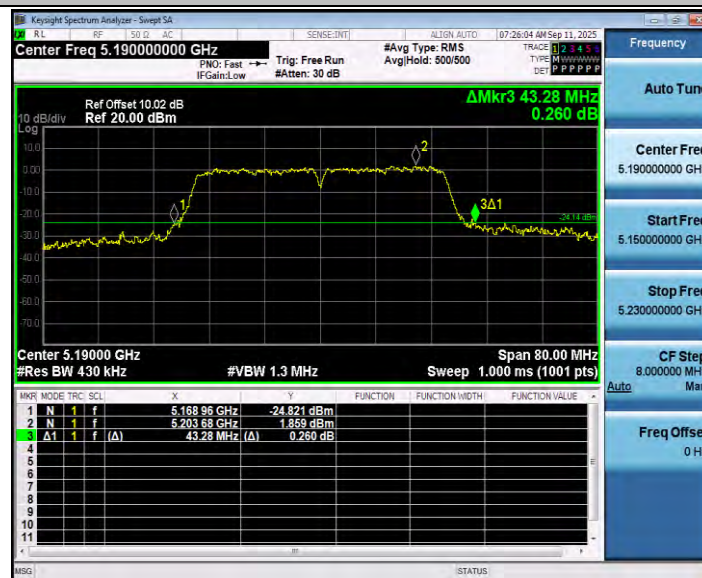
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



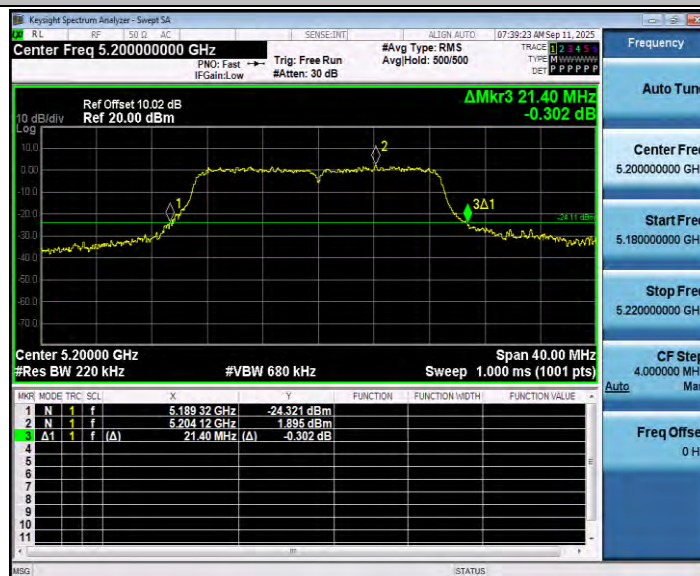
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



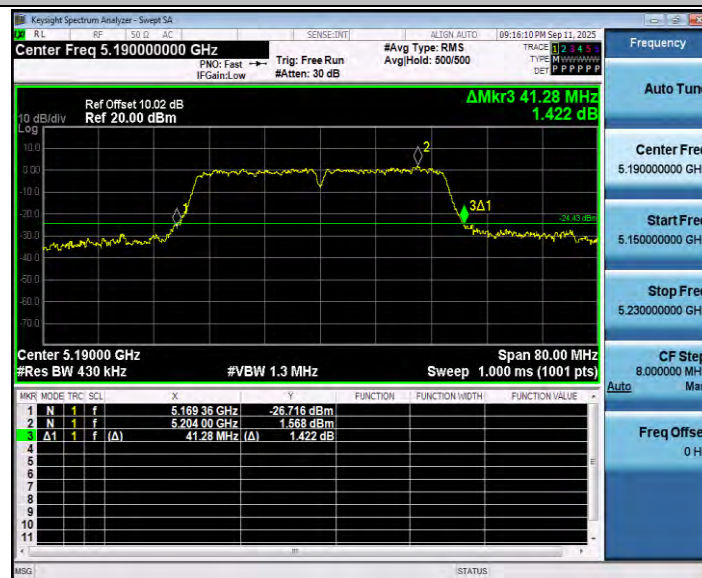
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



AppendixD.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.967	5171.5012	5188.4682	---	---
		5200	17.129	5191.3950	5208.5240	---	---
		5240	17.235	5231.2994	5248.5344	---	---
11N20SISO	Ant1	5180	17.931	5171.0494	5188.9804	---	---
		5200	17.989	5191.0169	5209.0059	---	---
		5240	18.109	5230.9465	5249.0555	---	---
11N40SISO	Ant1	5190	36.525	5171.9280	5208.4530	---	---
		5230	36.608	5211.8305	5248.4385	---	---
11AC20SISO	Ant1	5180	17.878	5171.0570	5188.9350	---	---
		5200	17.900	5191.0527	5208.9527	---	---
		5240	17.991	5230.9914	5248.9824	---	---
11AC40SISO	Ant1	5190	36.504	5171.8835	5208.3875	---	---
		5230	36.571	5211.8036	5248.3746	---	---
11AC80SISO	Ant1	5210	75.498	5172.5370	5248.0350	---	---

Test Graphs

11A_Ant1_5180



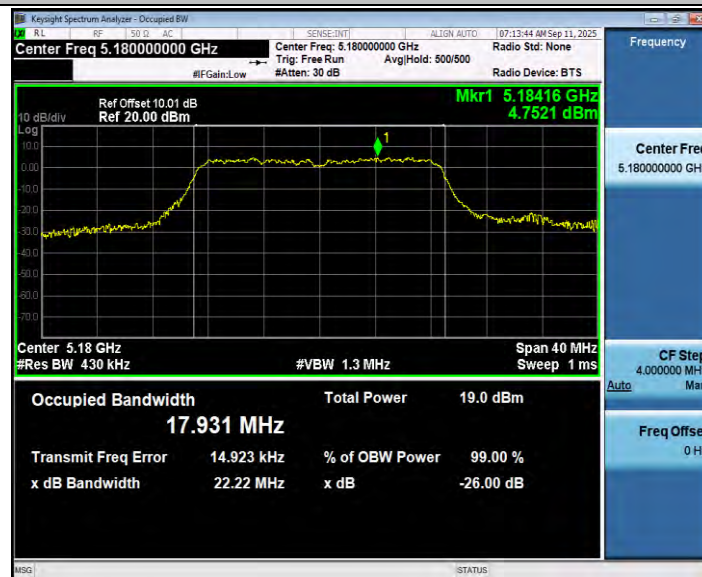
11A_Ant1_5200



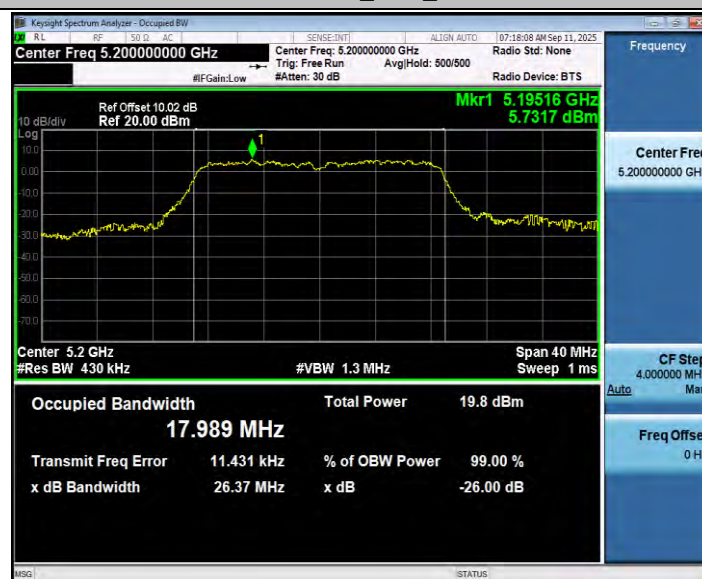
11A_Ant1_5240



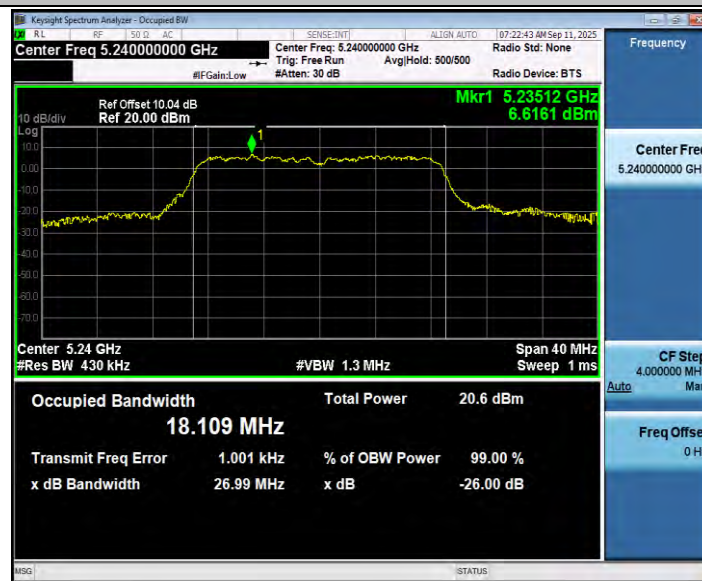
11N20SISO_Ant1_5180



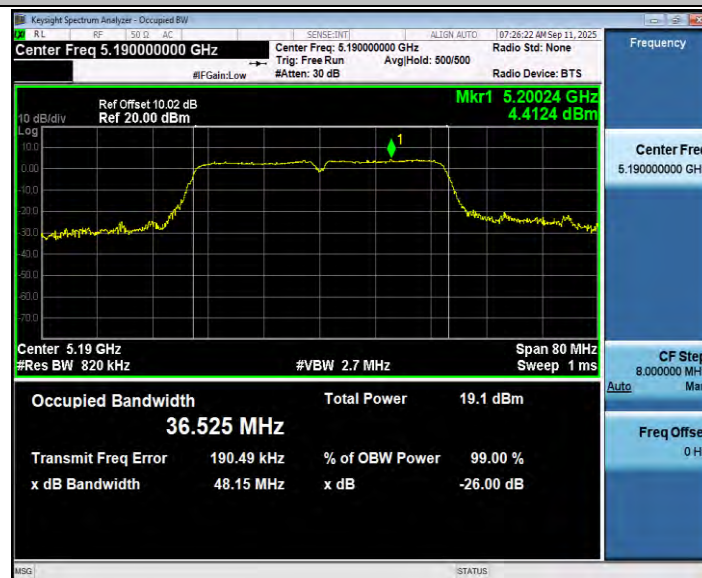
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



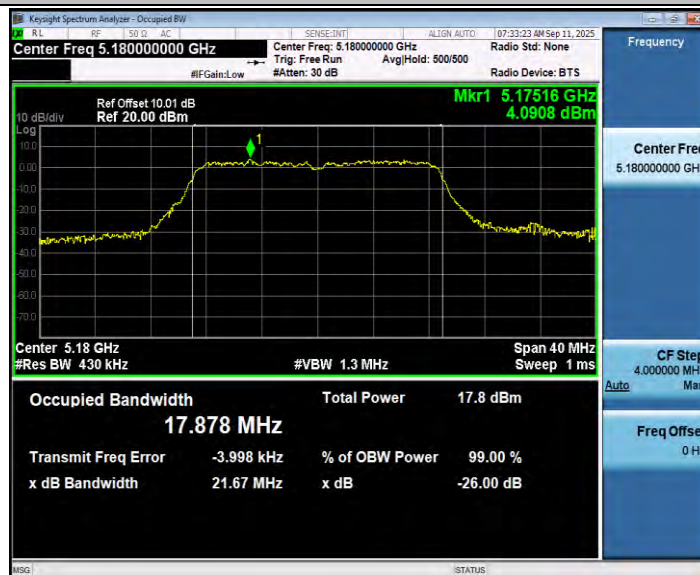
11N40SISO_Ant1_5190



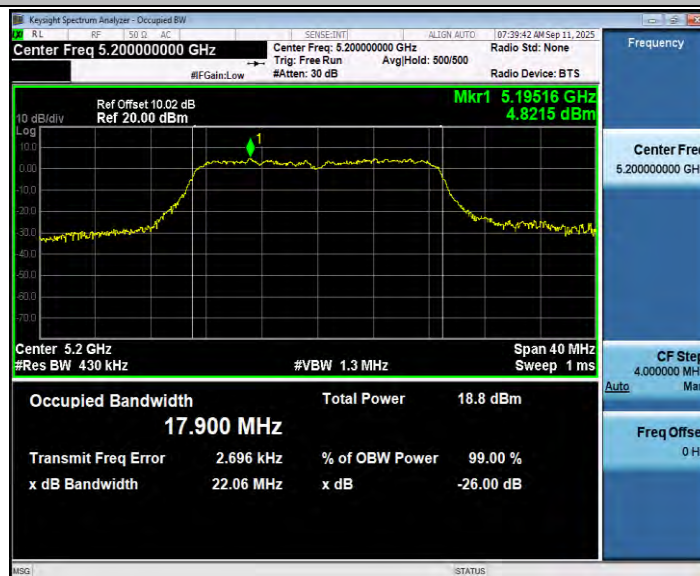
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



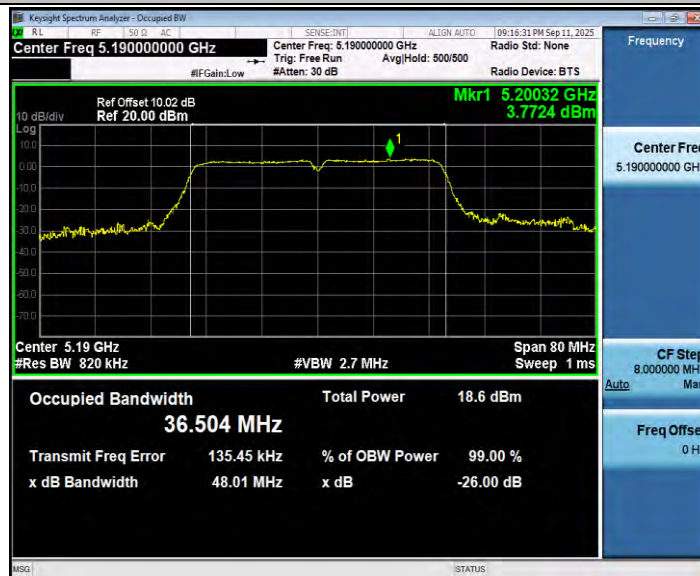
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



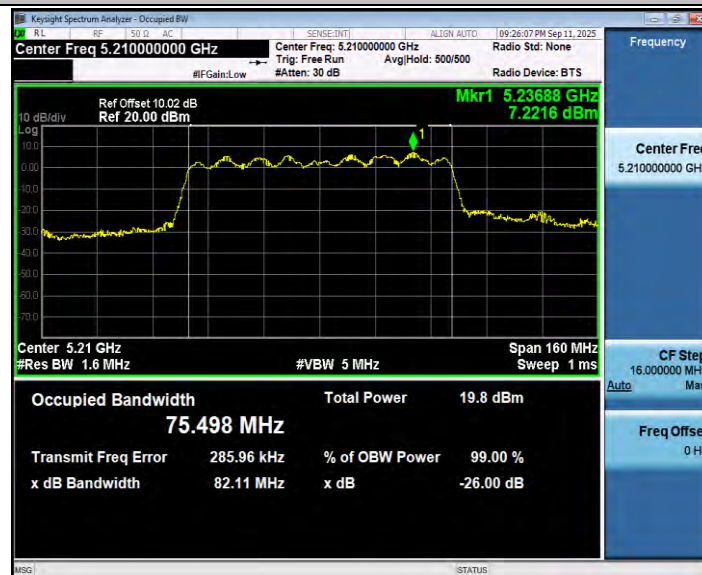
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



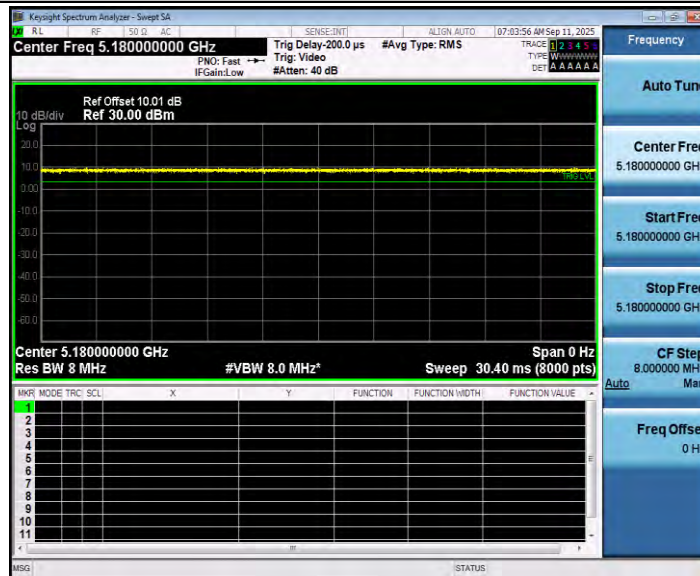
AppendixD.3: Duty Cycle

Test Result

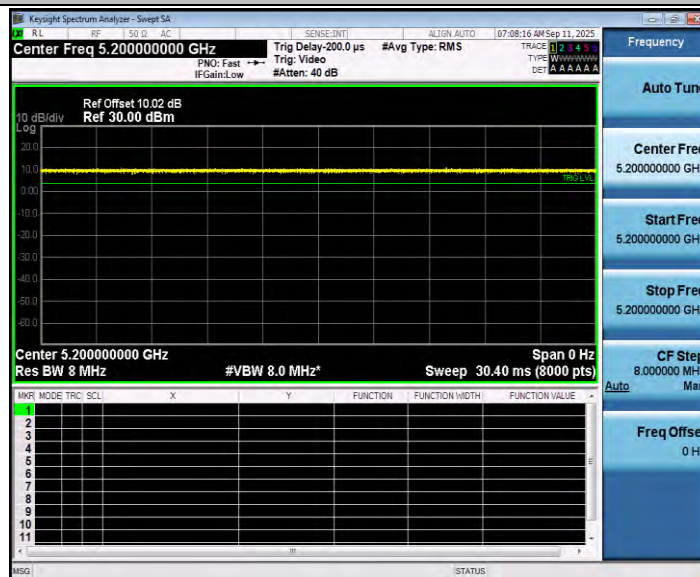
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200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

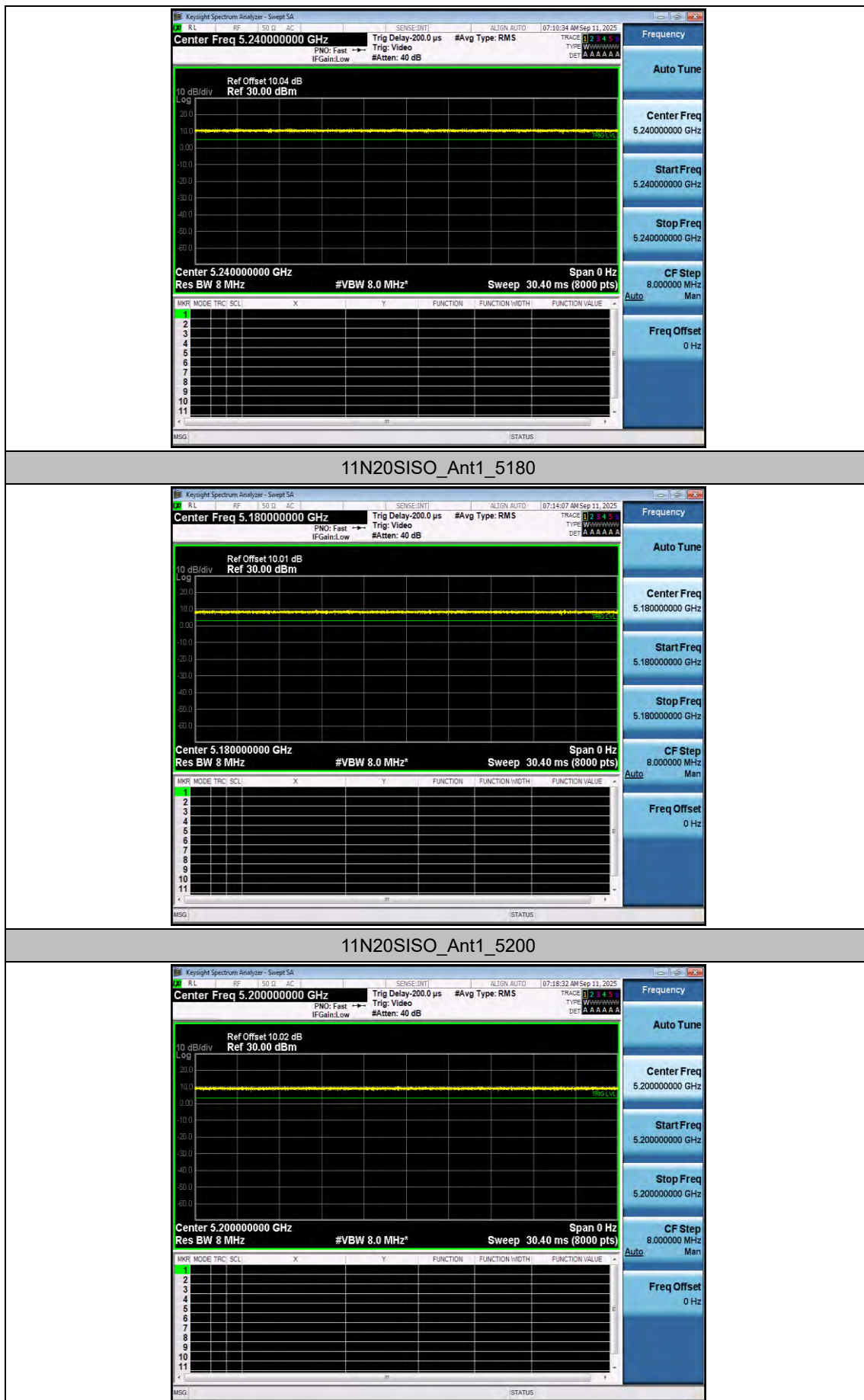
11A_Ant1_5180



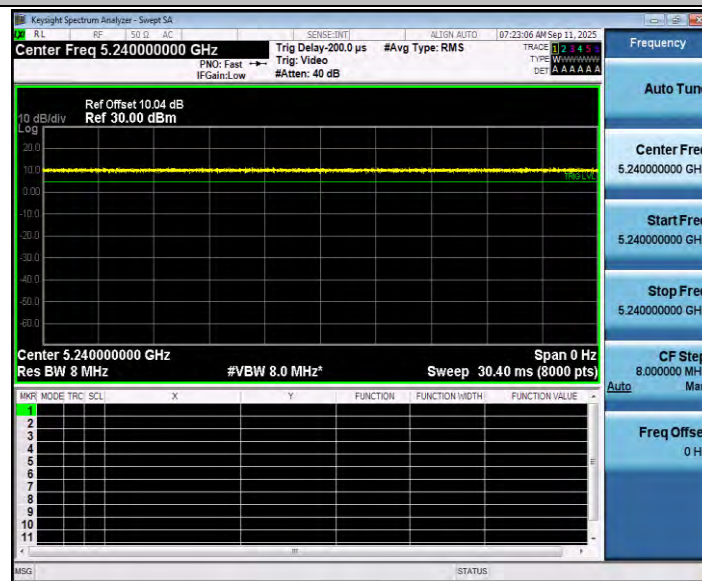
11A_Ant1_5200



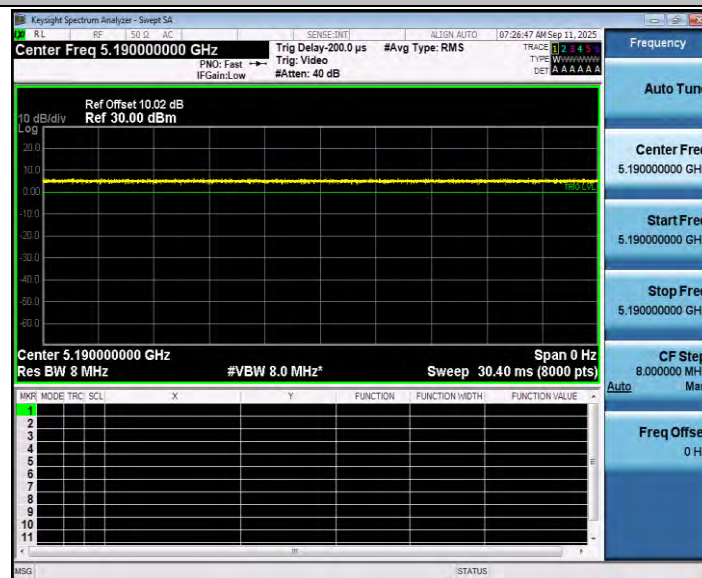
11A_Ant1_5240



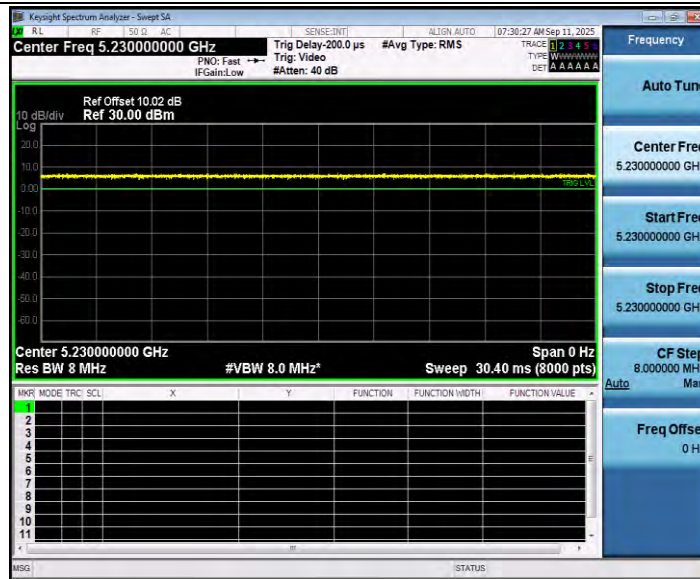
11N20SISO_Ant1_5240



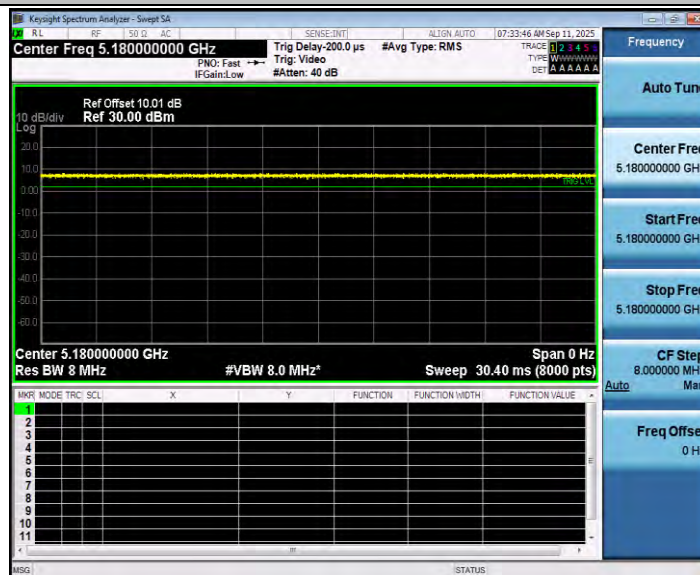
11N40SISO_Ant1_5190



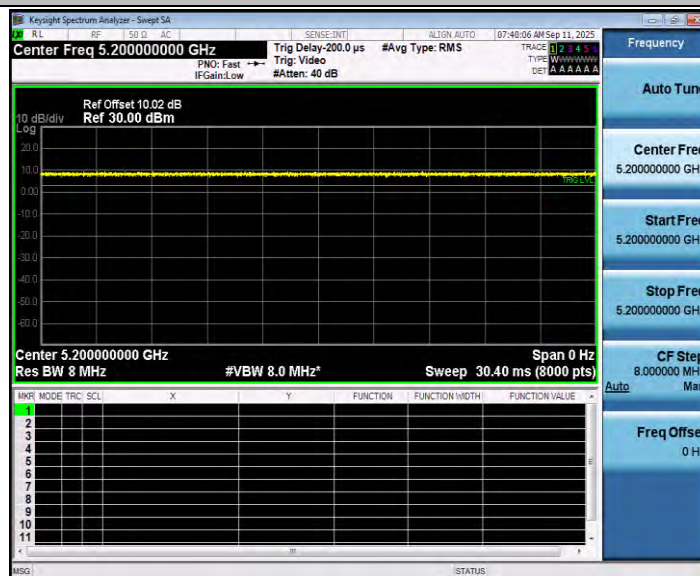
11N40SISO_Ant1_5230



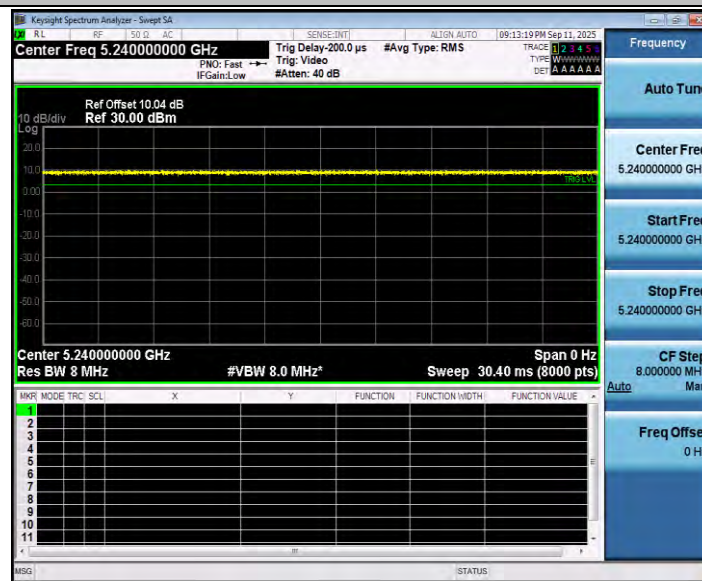
11AC20SISO_Ant1_5180



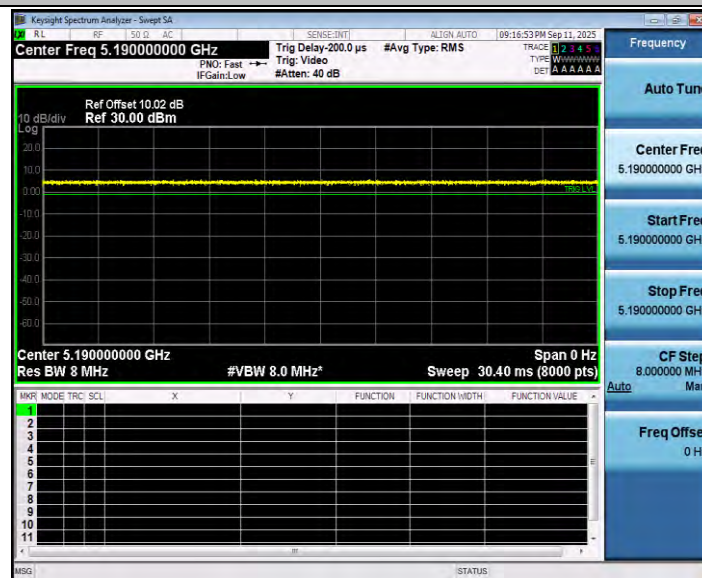
11AC20SISO_Ant1_5200



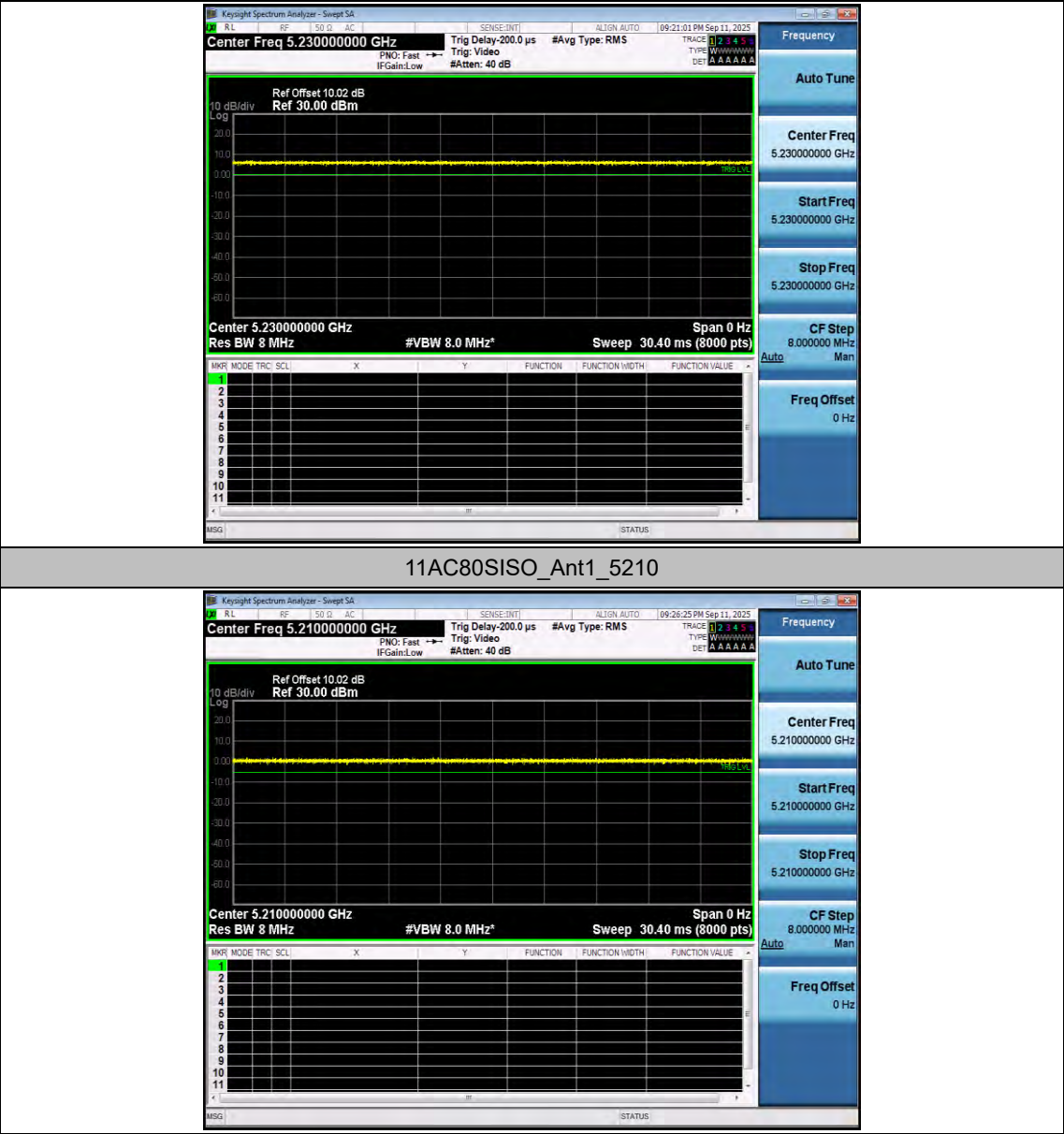
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



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	Ant1	5180	12.43	100.00	0.00	12.43	≤23.98	PASS
		5200	13.19	100.00	0.00	13.19	≤23.98	PASS
		5240	14.02	100.00	0.00	14.02	≤23.98	PASS
11N20SISO	Ant1	5180	12.30	100.00	0.00	12.30	≤23.98	PASS
		5200	13.03	100.00	0.00	13.03	≤23.98	PASS
		5240	13.81	100.00	0.00	13.81	≤23.98	PASS
11N40SISO	Ant1	5190	11.85	100.00	0.00	11.85	≤23.98	PASS
		5230	12.63	100.00	0.00	12.63	≤23.98	PASS
11AC20SISO	Ant1	5180	11.14	100.00	0.00	11.14	≤23.98	PASS
		5200	12.21	100.00	0.00	12.21	≤23.98	PASS
		5240	13.00	100.00	0.00	13.00	≤23.98	PASS
11AC40SISO	Ant1	5190	11.37	100.00	0.00	11.37	≤23.98	PASS
		5230	12.71	100.00	0.00	12.71	≤23.98	PASS
11AC80SISO	Ant1	5210	10.80	100.00	0.00	10.80	≤23.98	PASS

AppendixD.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	1.72	≤11.00	PASS
		5240	2.45	≤11.00	PASS
11N20SISO	Ant1	5180	0.62	≤11.00	PASS
		5200	1.42	≤11.00	PASS
		5240	2.12	≤11.00	PASS
11N40SISO	Ant1	5190	-2.47	≤11.00	PASS
		5230	-2.06	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.57	≤11.00	PASS
		5200	0.59	≤11.00	PASS
		5240	1.11	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.08	≤11.00	PASS
		5230	-1.96	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.09	≤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 Factorand RBW Factoriscompensatedinthegraph.

Test Graphs

11A_Ant1_5180



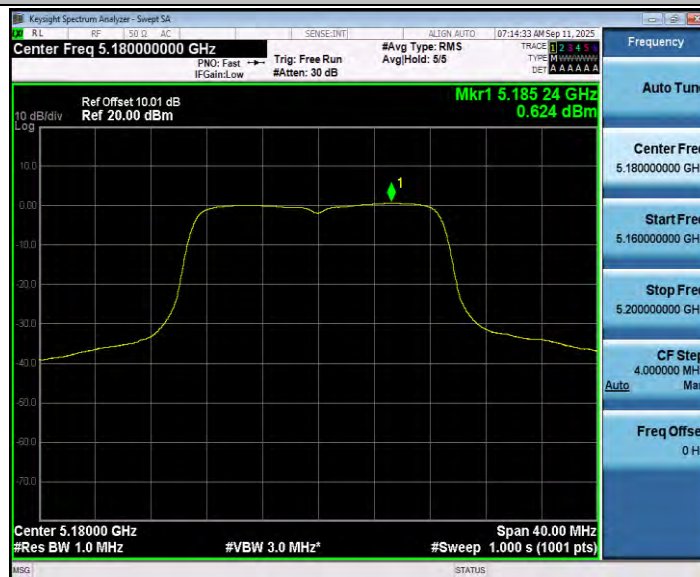
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



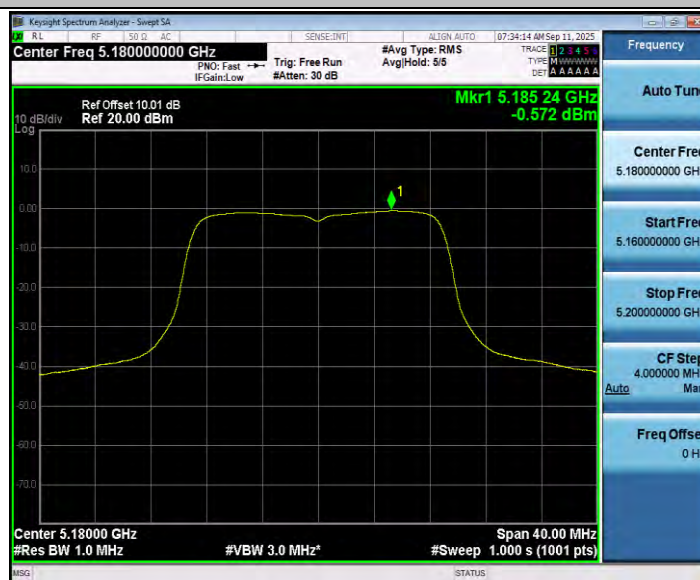
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

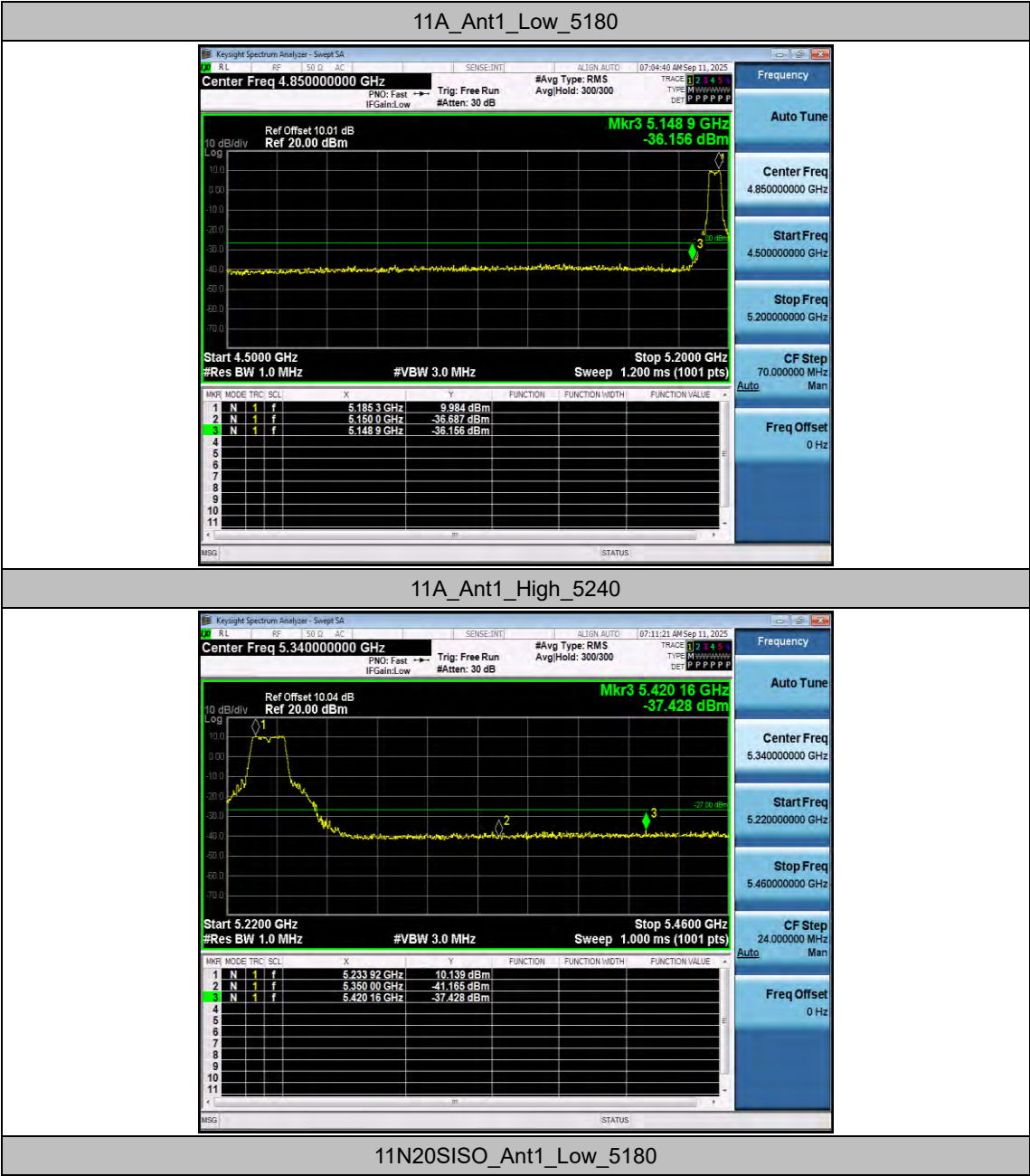


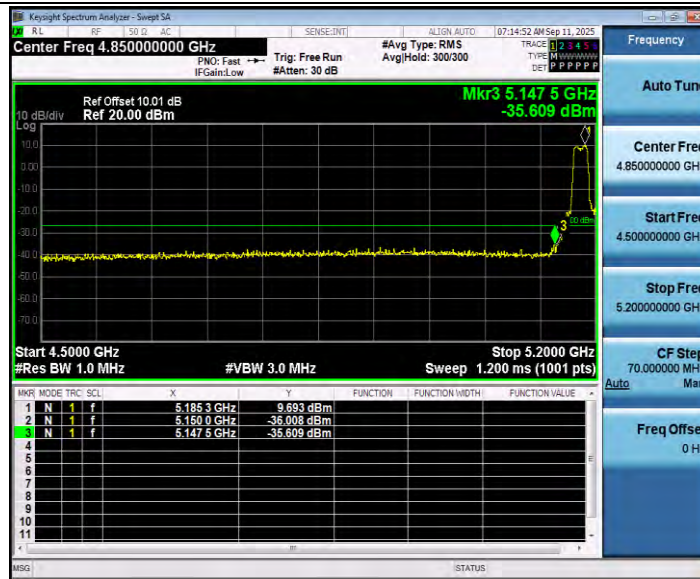
Appendix D.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.16	≤ -27	PASS
		High	5240	-37.43	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-35.61	≤ -27	PASS
		High	5240	-37	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-30.78	≤ -27	PASS
		High	5230	-37.36	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-37.55	≤ -27	PASS
		High	5240	-38.06	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-31.4	≤ -27	PASS
		High	5230	-37.12	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-30.58	≤ -27	PASS
		High	5210	-37.32	≤ -27	PASS

Test GraphsB1

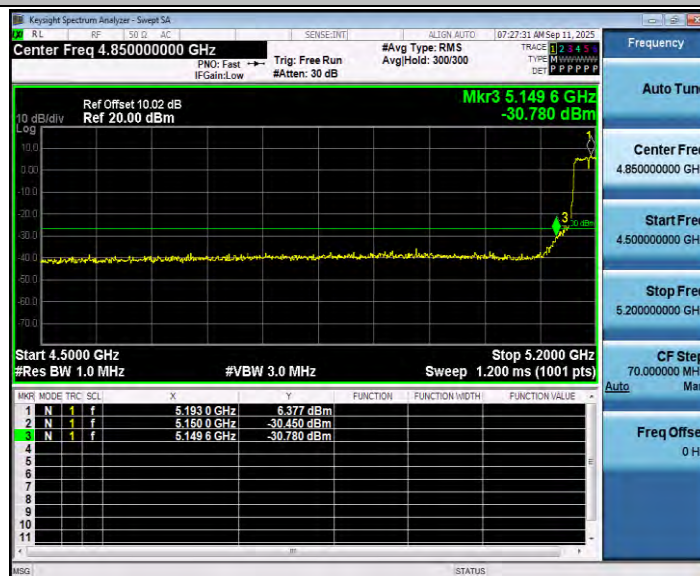




11N20SISO_Ant1_High_5240



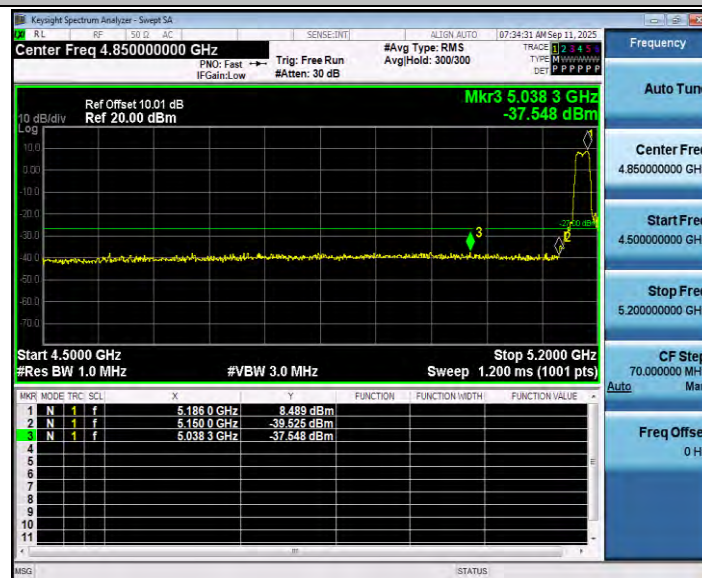
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



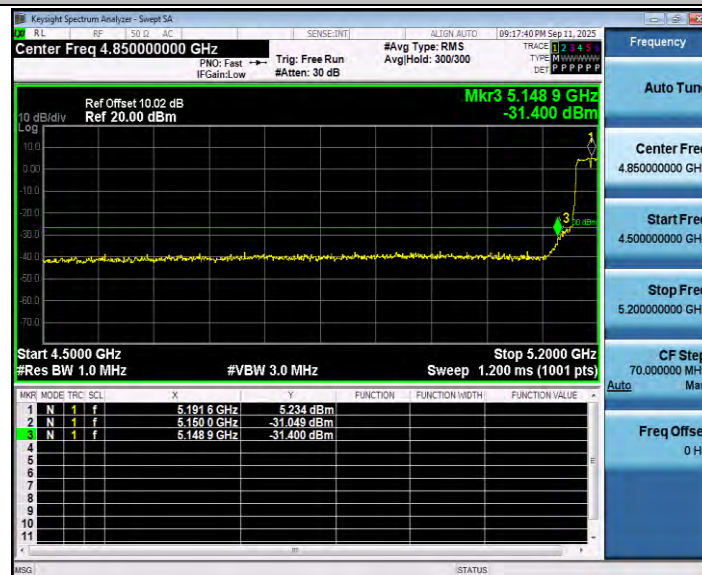
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



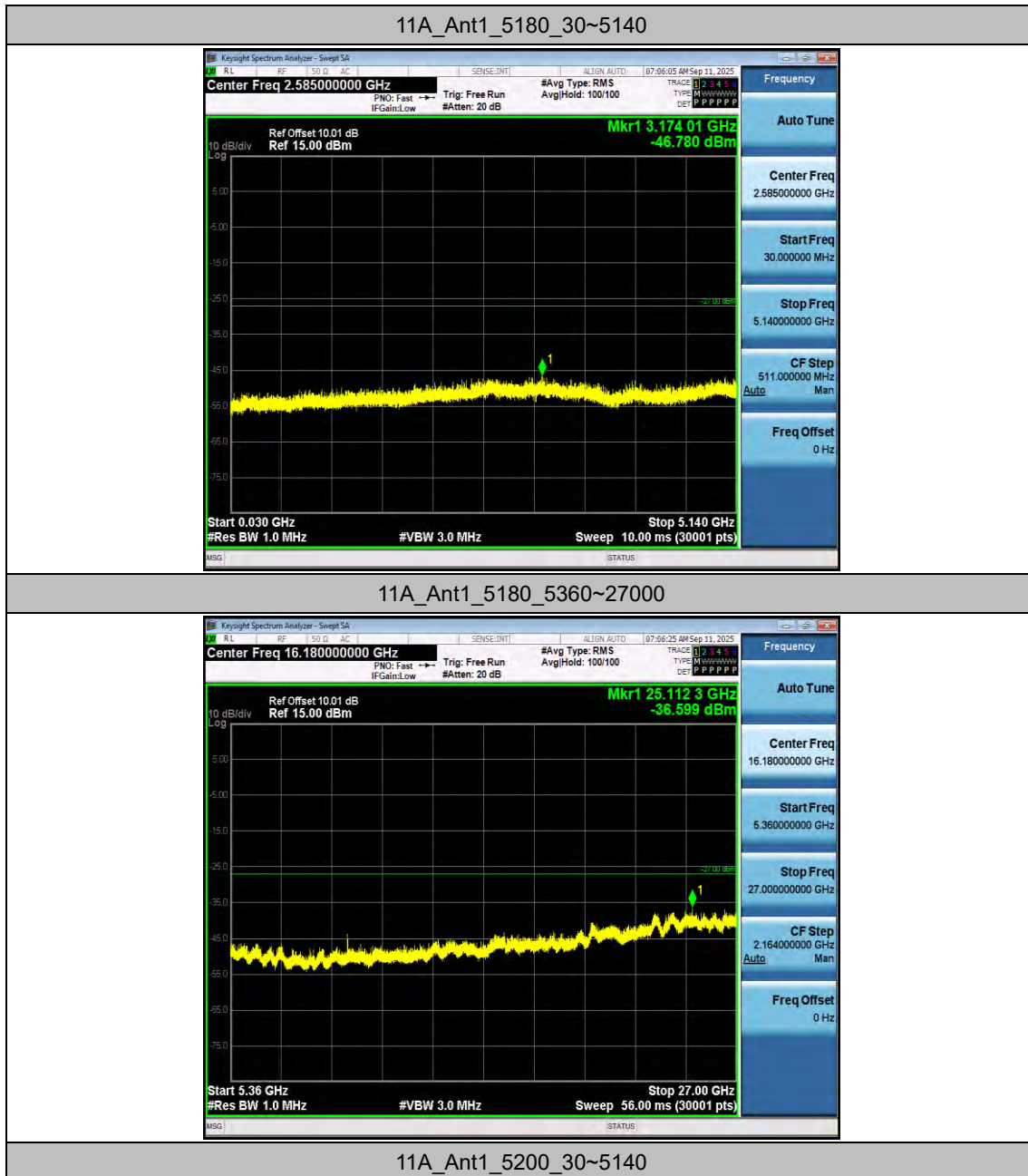


AppendixD.7:Conducted Spurious Emission

Test Result

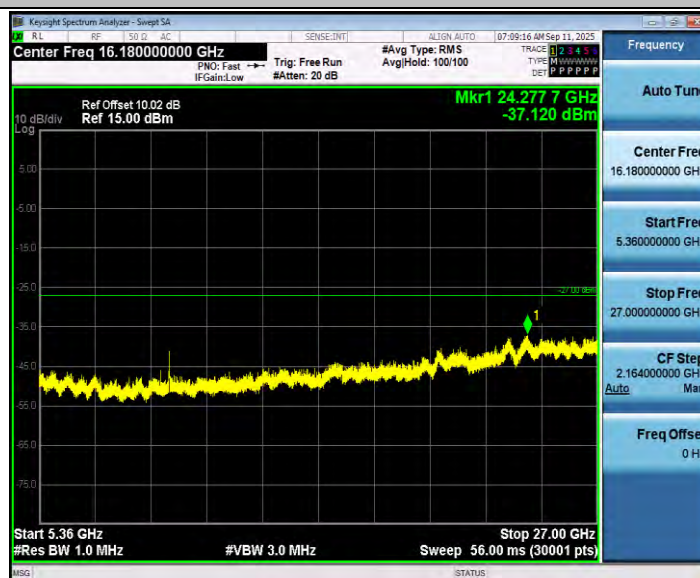
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	3174.01	-46.78	≤-27	PASS
			5360~27000	25112.27	-36.6	≤-27	PASS
		5200	30~5140	2649.39	-46.48	≤-27	PASS
			5360~27000	24277.69	-37.12	≤-27	PASS
		5240	30~5140	5041.38	-46.8	≤-27	PASS
			5360~27000	24258.93	-36.75	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5135.23	-46.44	≤-27	PASS
			5360~27000	24920.4	-36.86	≤-27	PASS
		5200	30~5140	2610.89	-43.69	≤-27	PASS
			5360~27000	26057.22	-36.45	≤-27	PASS
		5240	30~5140	3434.62	-46.57	≤-27	PASS
			5360~27000	26605.43	-37.33	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5139.83	-39.52	≤-27	PASS
			5360~27000	24202.67	-36.73	≤-27	PASS
		5230	30~5140	3022.76	-46.25	≤-27	PASS
			5360~27000	26790.09	-36.87	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	2708.15	-46.56	≤-27	PASS
			5360~27000	24868.46	-36.96	≤-27	PASS
		5200	30~5140	4921.46	-46.26	≤-27	PASS
			5360~27000	26990.62	-36.75	≤-27	PASS
		5240	30~5140	2328.99	-38.58	≤-27	PASS
			5360~27000	24287.79	-38	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.32	-40.37	≤-27	PASS
			5360~27000	24254.61	-37.32	≤-27	PASS
		5230	30~5140	4951.78	-46.02	≤-27	PASS
			5360~27000	26859.34	-37.25	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5139.66	-34.93	≤-27	PASS
			5360~27000	26787.21	-37.09	≤-27	PASS

Test Graphs





11A_Ant1_5200_5360~27000



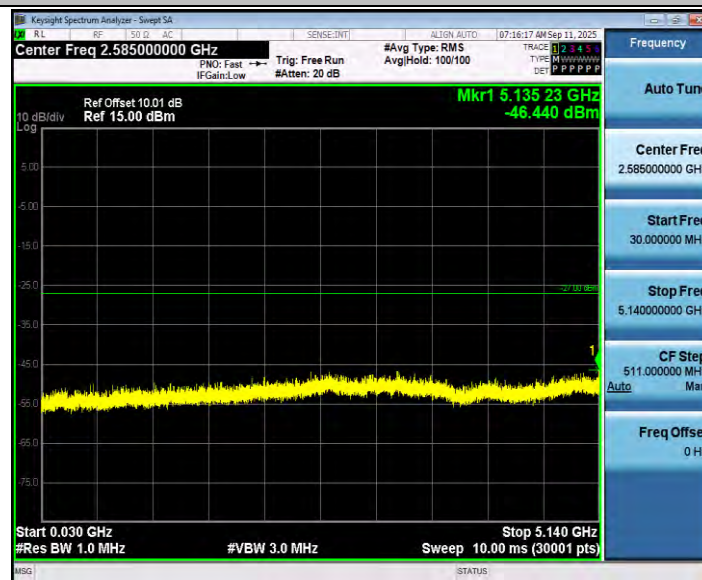
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~27000



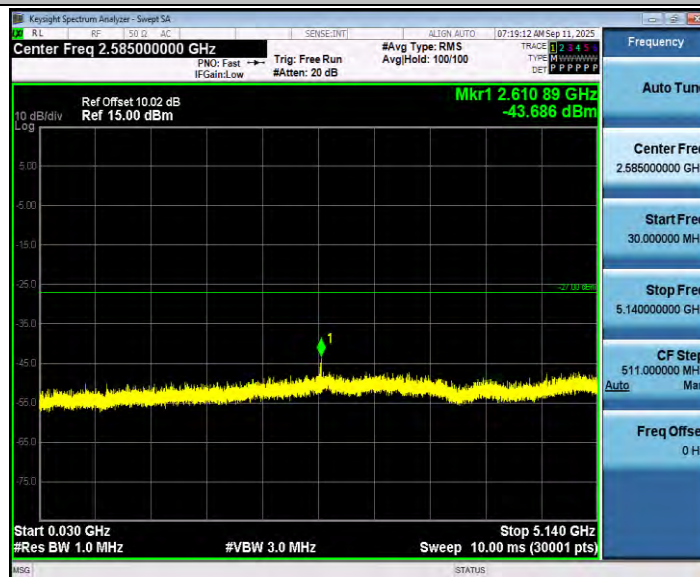
11N20SISO_Ant1_5180_30~5140



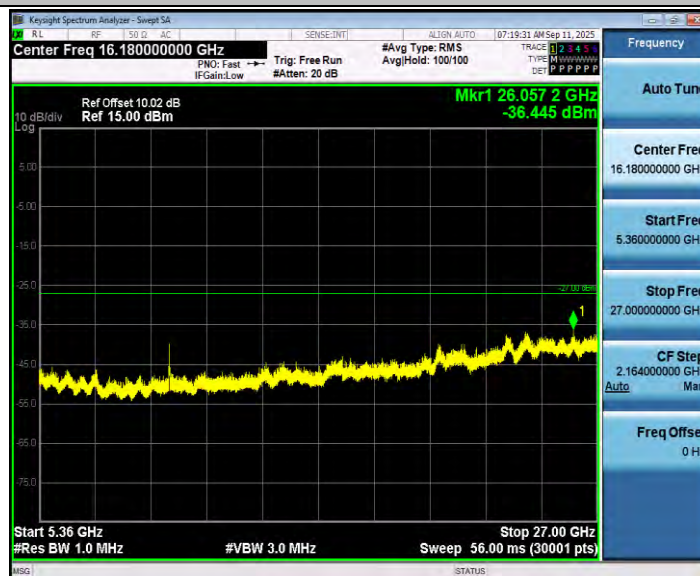
11N20SISO_Ant1_5180_5360~27000



11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



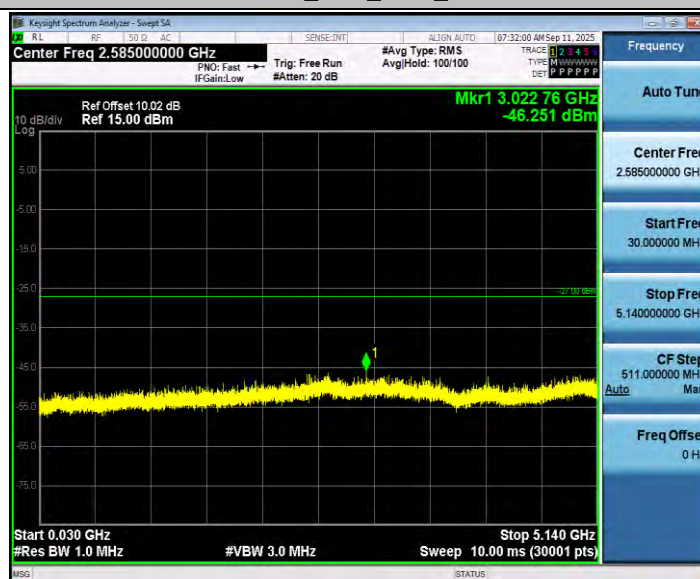
11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000



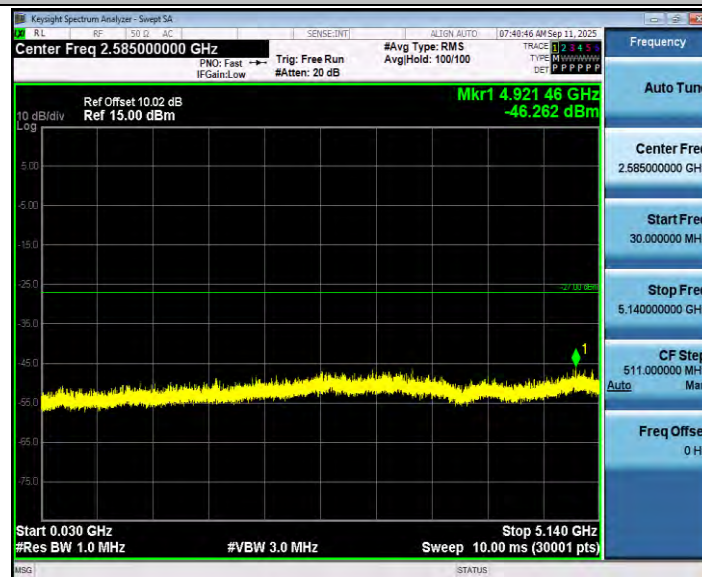
11AC20SISO_Ant1_5180_30~5140



11AC20SISO_Ant1_5180_5360~27000



11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~27000



11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000

