

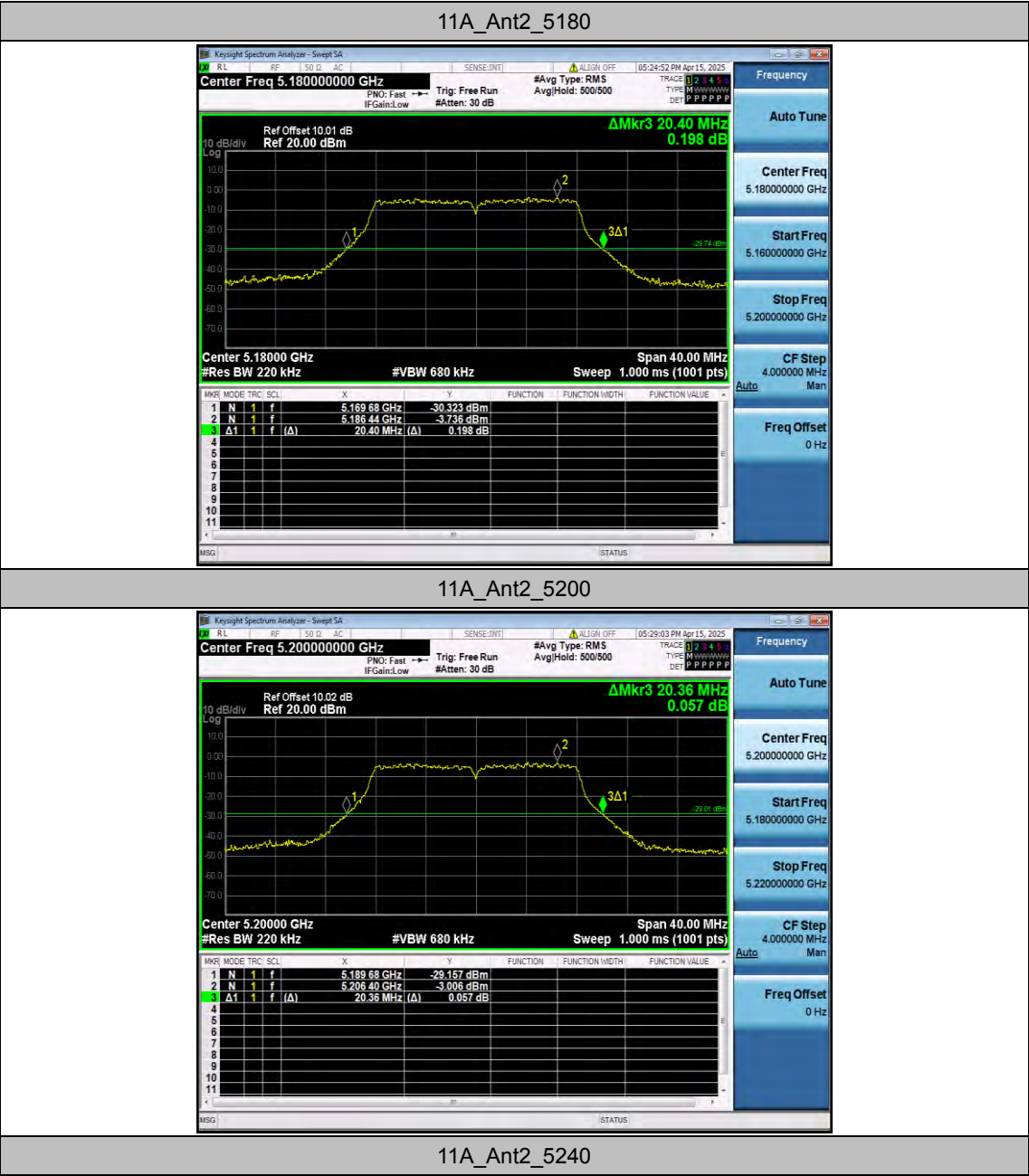
Case No. : <u>GTS20250319016-1-11</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.4.14</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	20.400	5169.680	5190.080	---	---
		5200	20.360	5189.680	5210.040	---	---
		5240	20.360	5229.640	5250.000	---	---
11N20SISO	Ant2	5180	21.360	5169.200	5190.560	---	---
		5200	21.240	5189.240	5210.480	---	---
		5240	21.280	5229.240	5250.520	---	---
11N40SISO	Ant2	5190	41.680	5169.120	5210.800	---	---
		5230	42.000	5208.880	5250.880	---	---
11AC20SISO	Ant2	5180	21.240	5169.200	5190.440	---	---
		5200	21.280	5189.240	5210.520	---	---
		5240	21.240	5229.200	5250.440	---	---
11AC40SISO	Ant2	5190	41.840	5169.040	5210.880	---	---
		5230	42.000	5208.960	5250.960	---	---
11AC80SISO	Ant2	5210	82.240	5169.520	5251.760	---	---

Test Graphs





11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



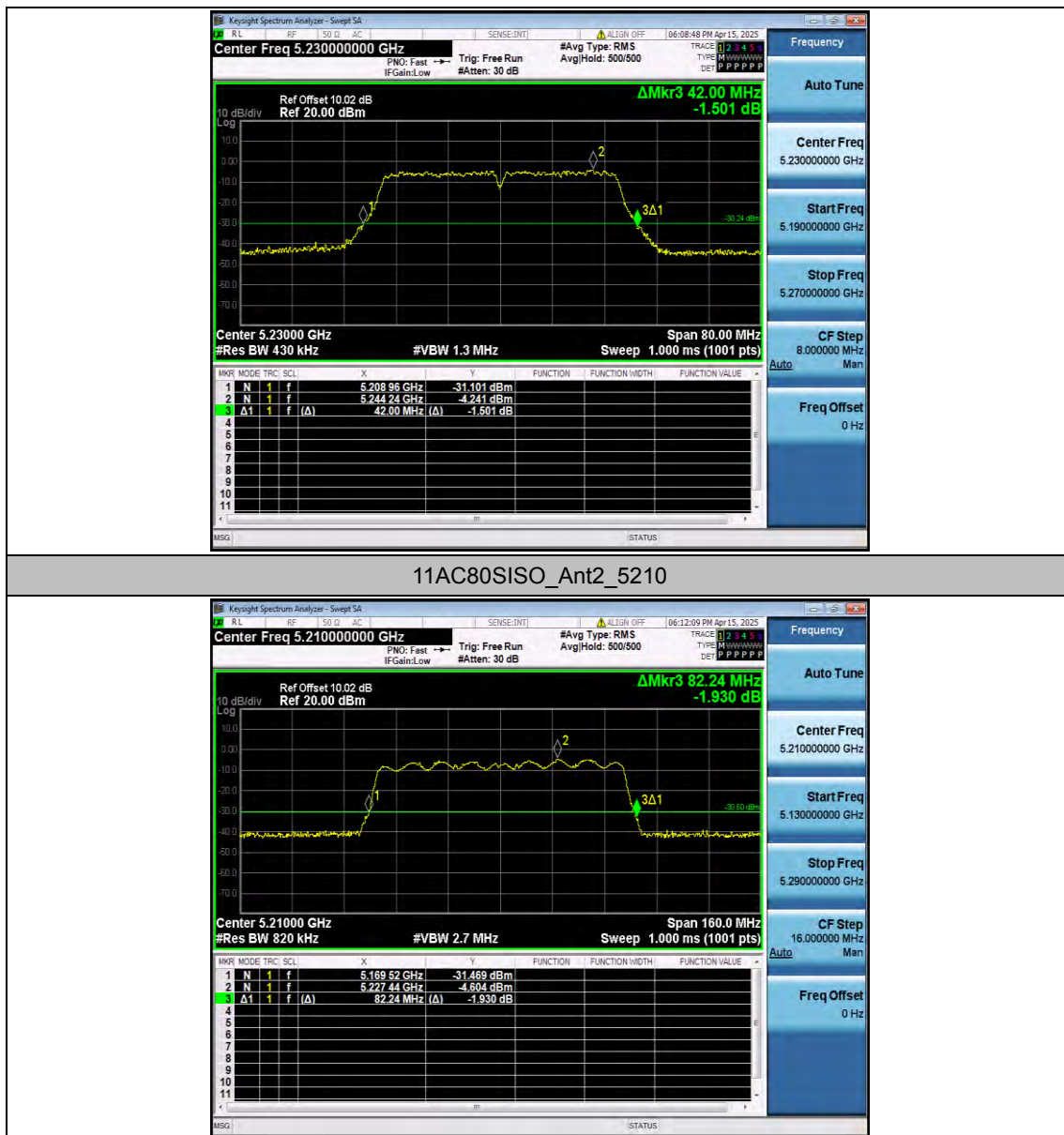
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230

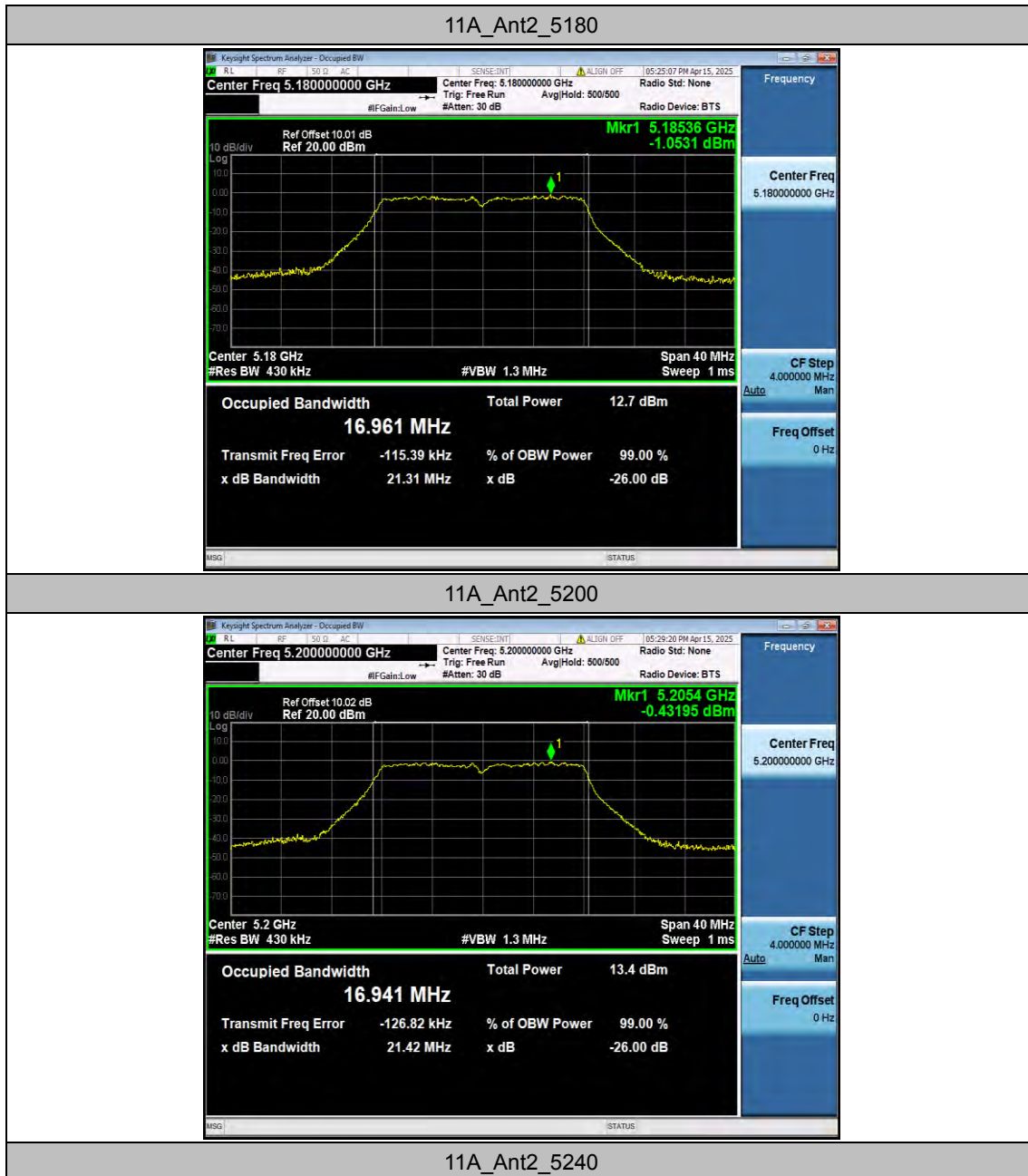


Appendix D.2: Occupied channel bandwidth

Test Result

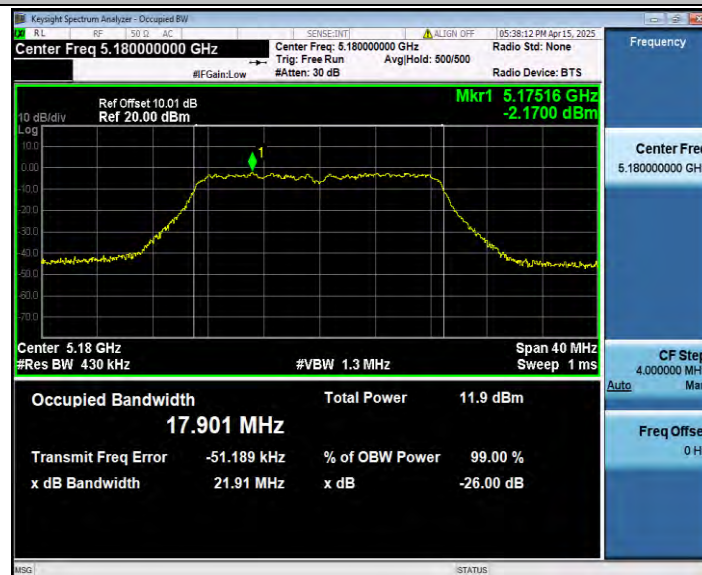
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	16.961	5171.4041	5188.3651	---	---
		5200	16.941	5191.4027	5208.3437	---	---
		5240	16.953	5231.3865	5248.3395	---	---
11N20SISO	Ant2	5180	17.901	5170.9983	5188.8993	---	---
		5200	17.922	5190.9683	5208.8903	---	---
		5240	17.909	5230.9764	5248.8854	---	---
11N40SISO	Ant2	5190	36.566	5171.7754	5208.3414	---	---
		5230	36.560	5211.7360	5248.2960	---	---
11AC20SISO	Ant2	5180	17.967	5170.9756	5188.9426	---	---
		5200	17.951	5190.9654	5208.9164	---	---
		5240	17.945	5230.9626	5248.9076	---	---
11AC40SISO	Ant2	5190	36.543	5171.7972	5208.3402	---	---
		5230	36.589	5211.7213	5248.3103	---	---
11AC80SISO	Ant2	5210	75.400	5172.4526	5247.8526	---	---

Test Graphs

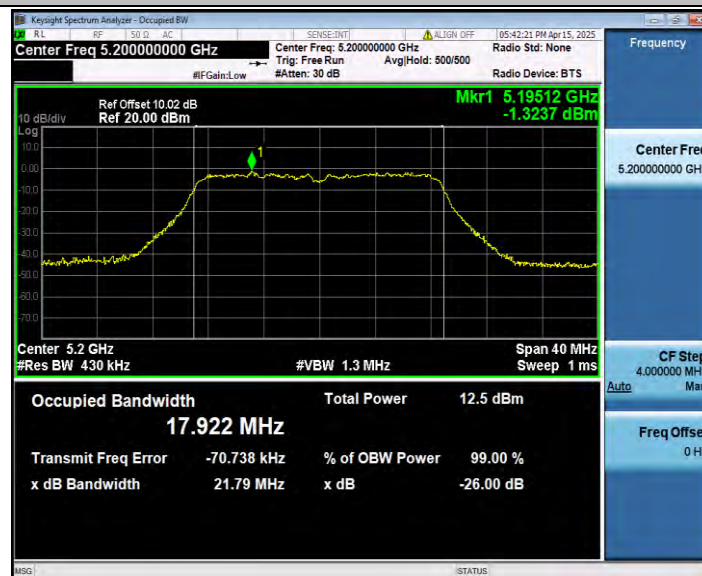




11N20SISO_Ant2_5180



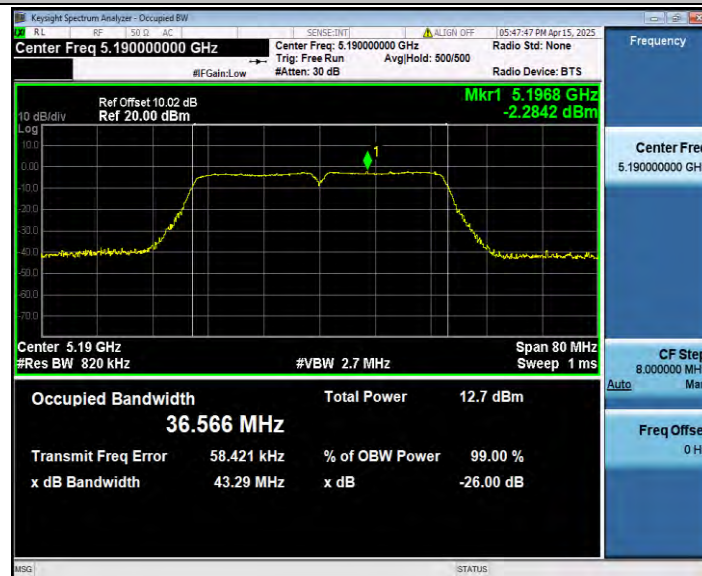
11N20SISO_Ant2_5200



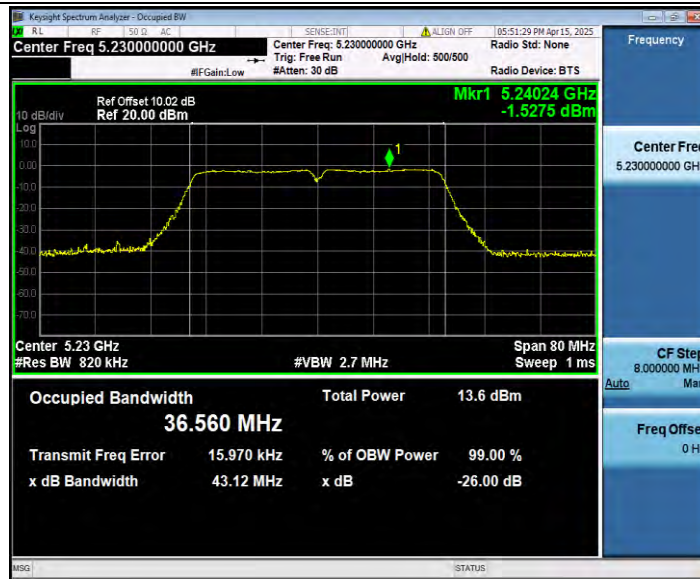
11N20SISO_Ant2_5240



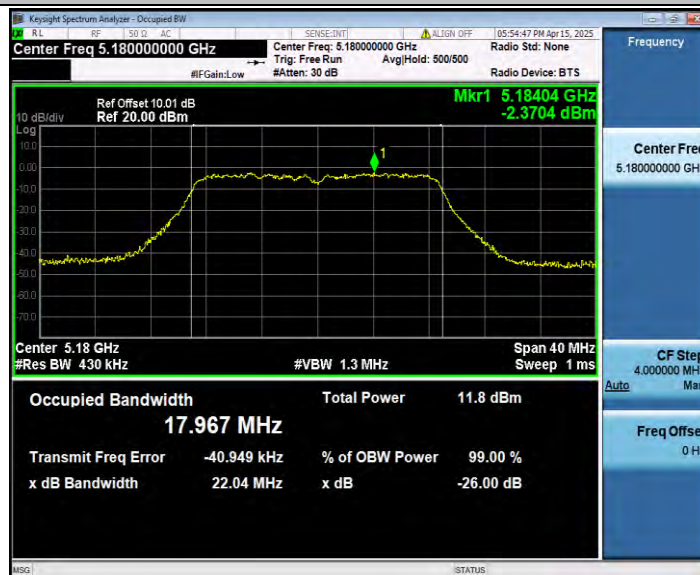
11N40SISO_Ant2_5190



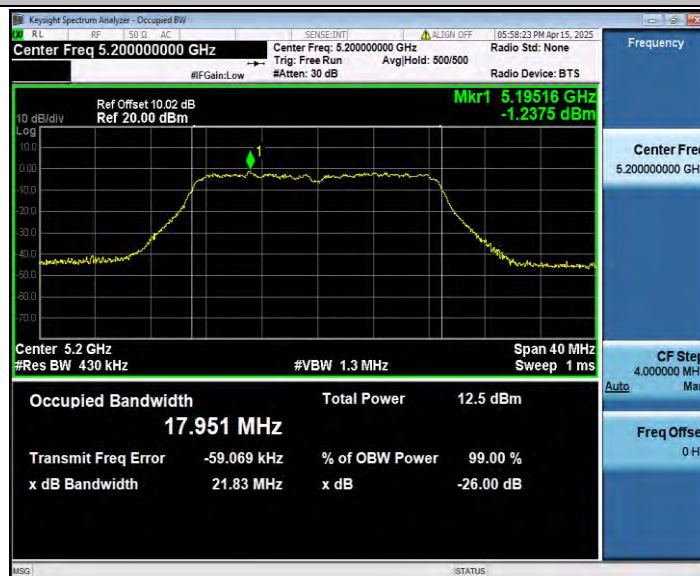
11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



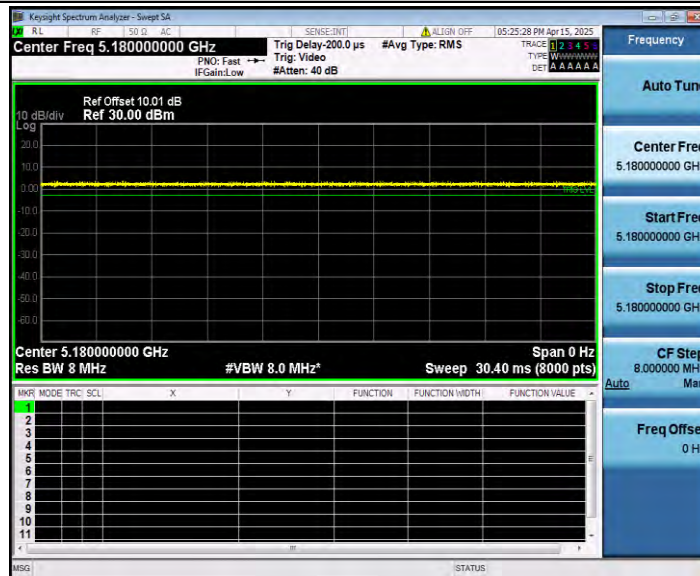
Appendix D 3: Duty Cycle

Test Result

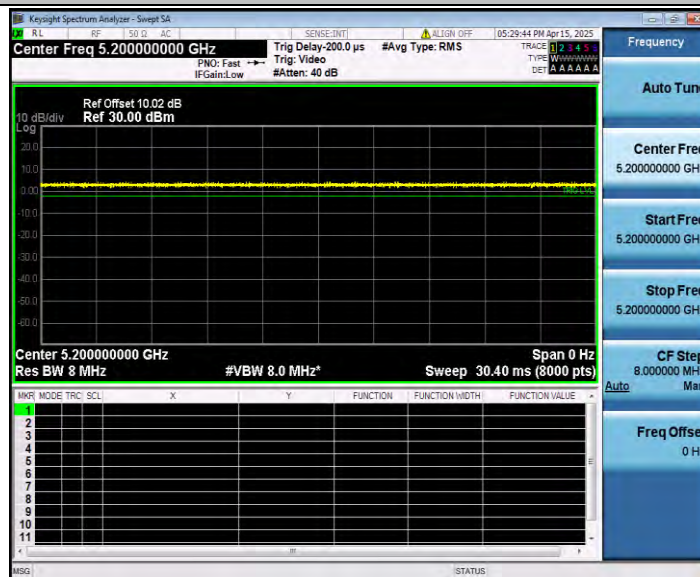
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant2	5180	30.00	30.00	100.00	0.00	0.03
		5200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

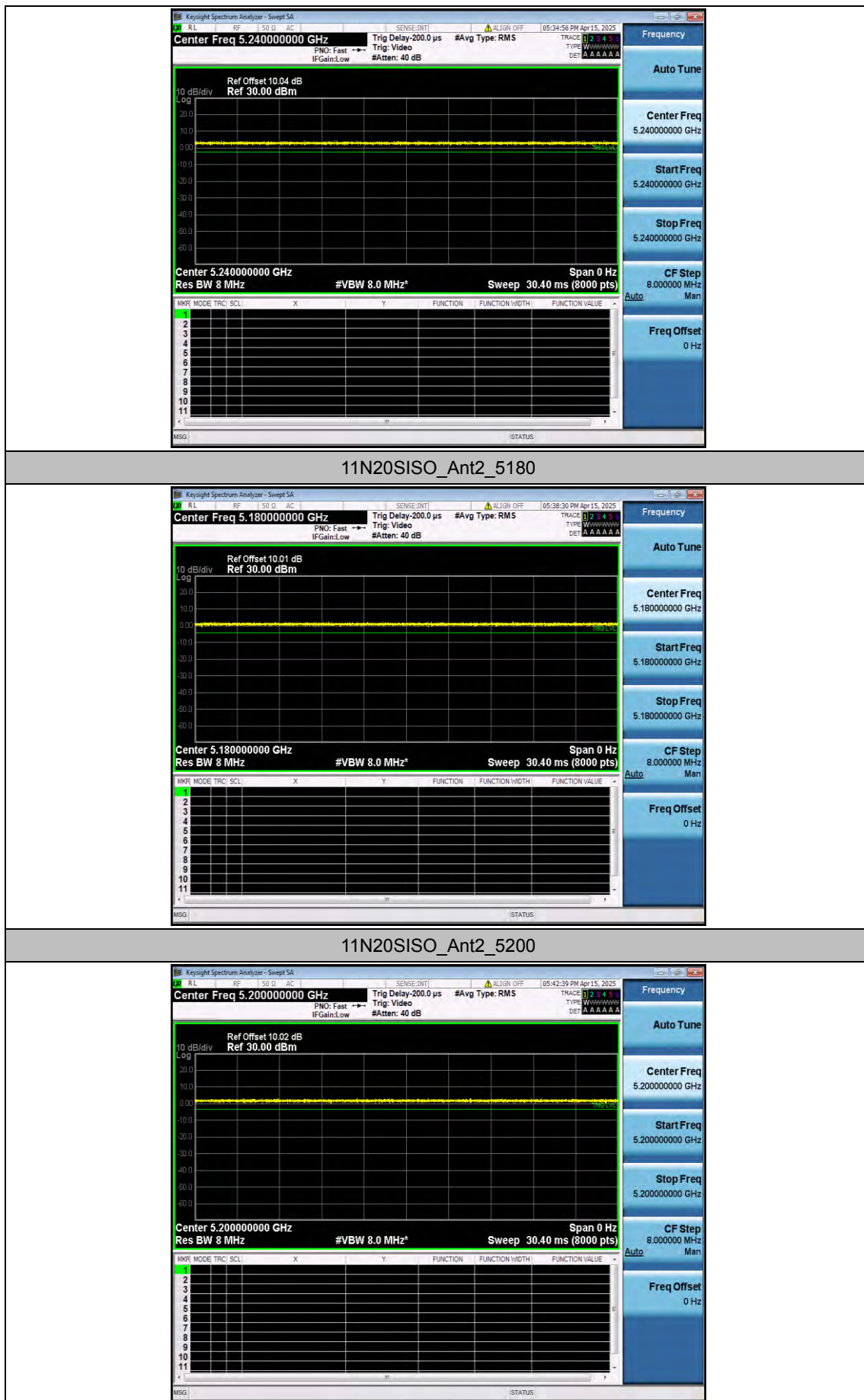
11A_Ant2_5180



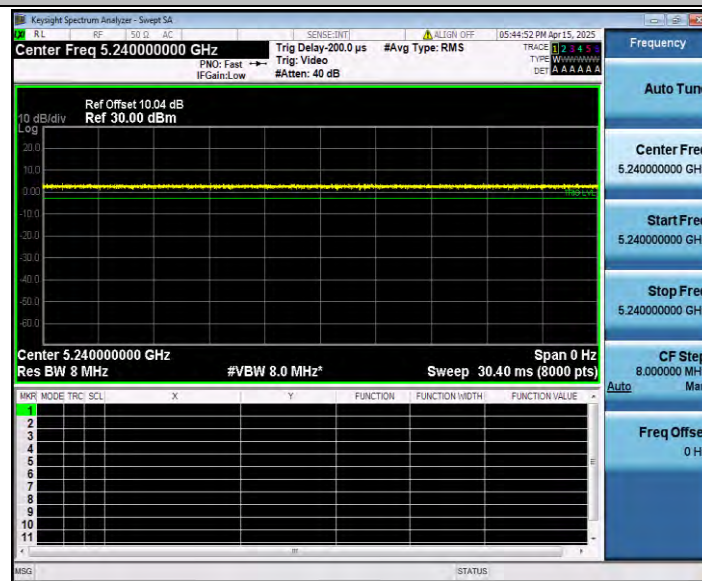
11A_Ant2_5200



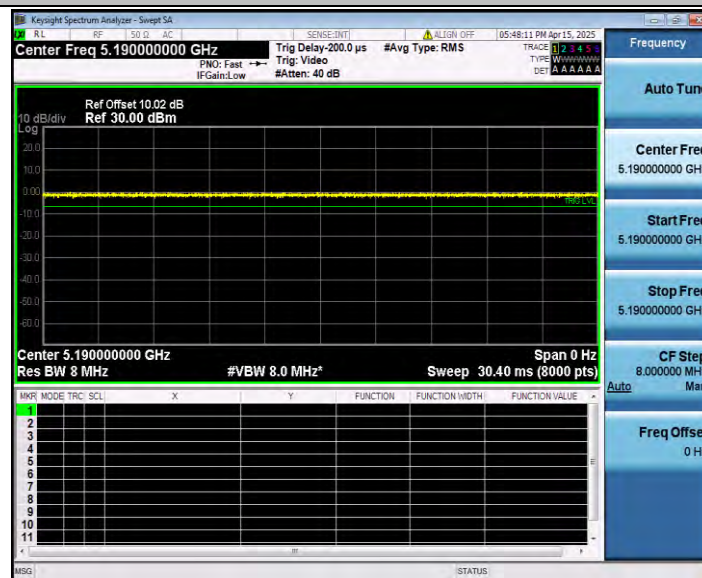
11A_Ant2_5240



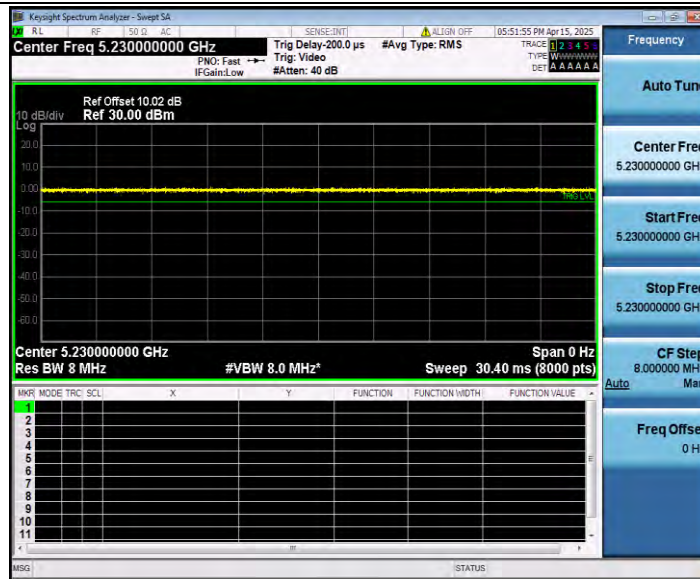
11N20SISO_Ant2_5240



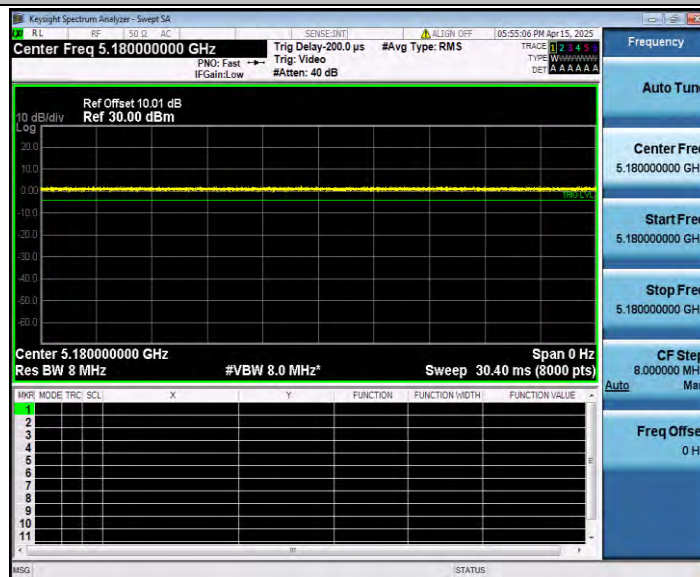
11N40SISO_Ant2_5190



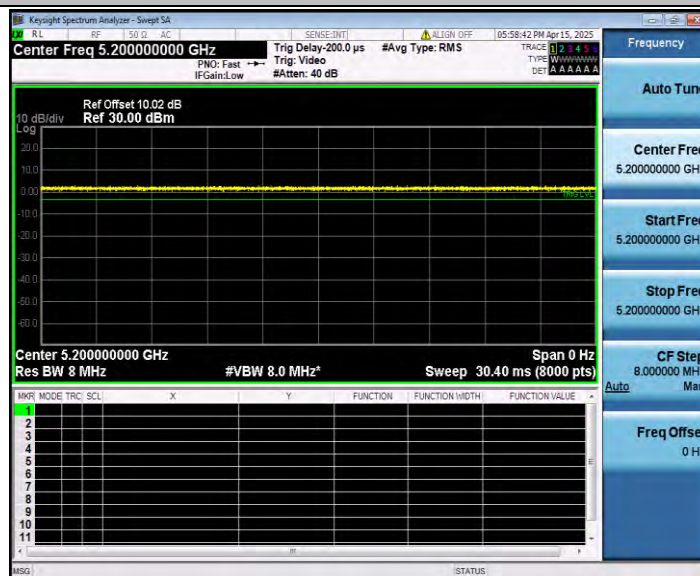
11N40SISO_Ant2_5230



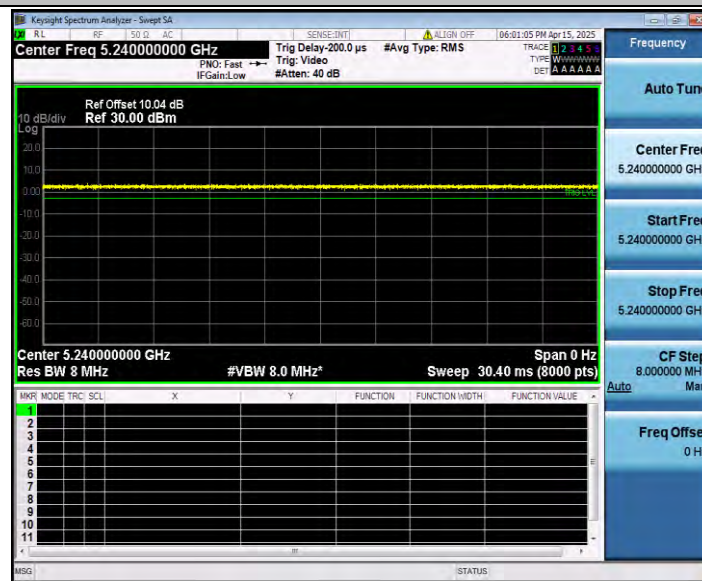
11AC20SISO_Ant2_5180



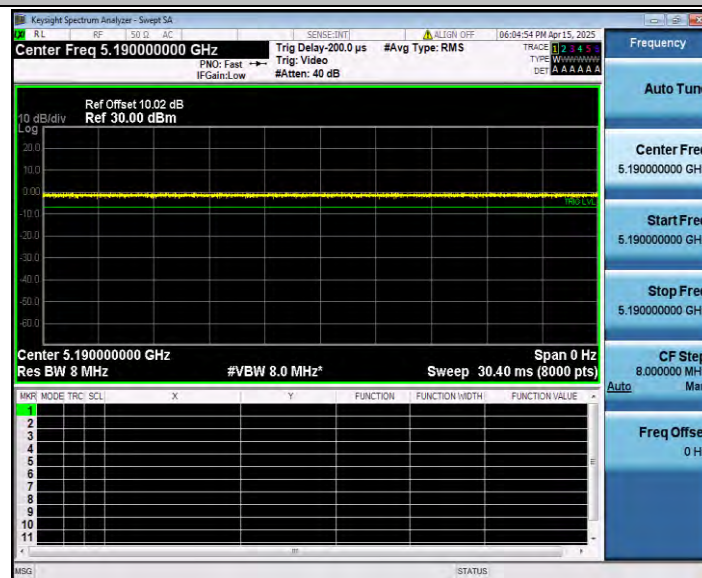
11AC20SISO_Ant2_5200



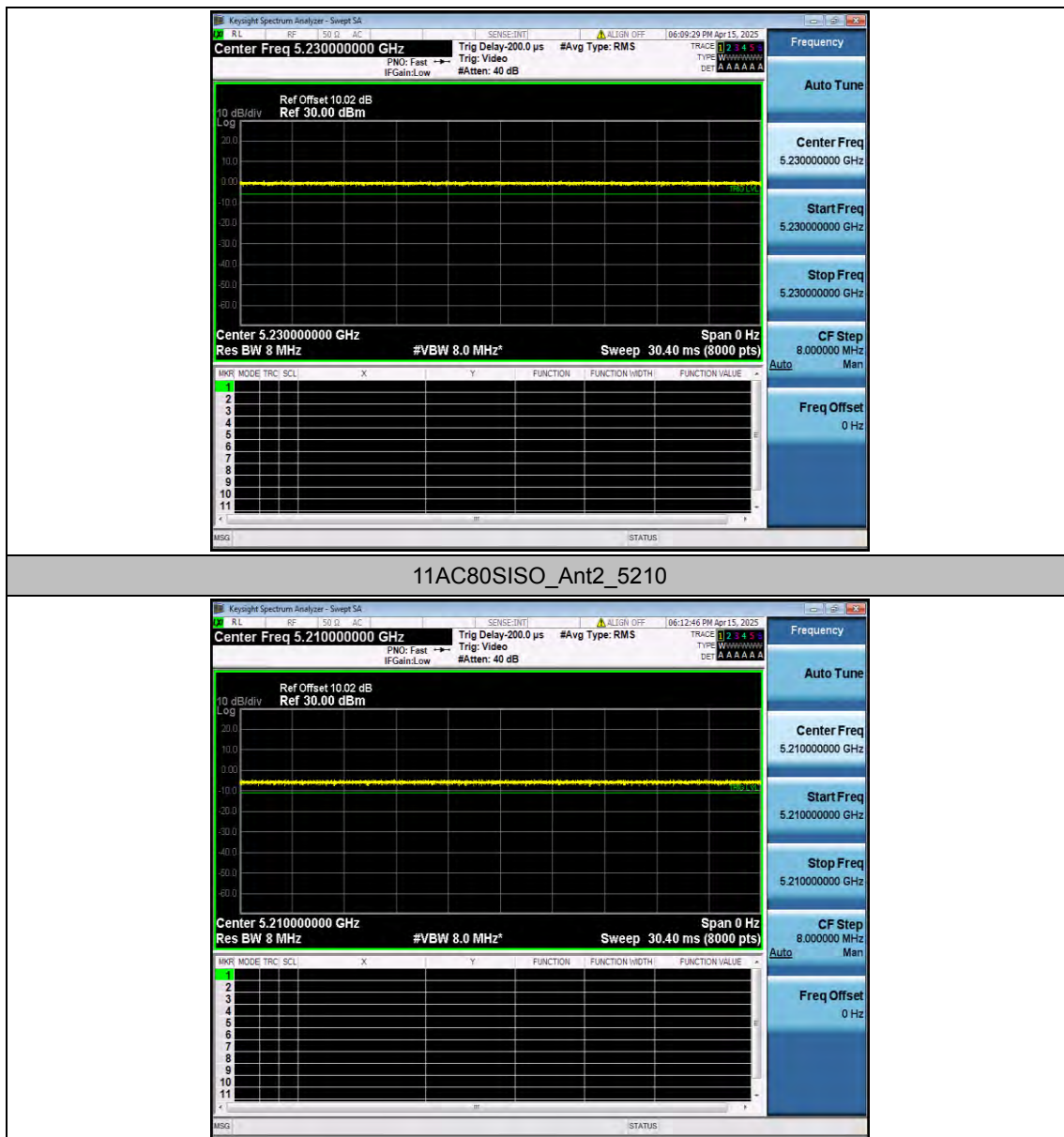
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_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	Ant2	5180	6.24	100.00	0.00	6.24	≤23.98	PASS
		5200	6.88	100.00	0.00	6.88	≤23.98	PASS
		5240	6.65	100.00	0.00	6.65	≤23.98	PASS
11N20SISO	Ant2	5180	5.14	100.00	0.00	5.14	≤23.98	PASS
		5200	5.83	100.00	0.00	5.83	≤23.98	PASS
		5240	6.57	100.00	0.00	6.57	≤23.98	PASS
11N40SISO	Ant2	5190	5.52	100.00	0.00	5.52	≤23.98	PASS
		5230	6.36	100.00	0.00	6.36	≤23.98	PASS
11AC20SISO	Ant2	5180	5.12	100.00	0.00	5.12	≤23.98	PASS
		5200	5.80	100.00	0.00	5.80	≤23.98	PASS
		5240	6.45	100.00	0.00	6.45	≤23.98	PASS
11AC40SISO	Ant2	5190	5.41	100.00	0.00	5.41	≤23.98	PASS
		5230	6.19	100.00	0.00	6.19	≤23.98	PASS
11AC80SISO	Ant2	5210	4.50	100.00	0.00	4.50	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	-5.33	≤11.00	PASS
		5200	-4.71	≤11.00	PASS
		5240	-4.89	≤11.00	PASS
11N20SISO	Ant2	5180	-6.63	≤11.00	PASS
		5200	-5.93	≤11.00	PASS
		5240	-5.15	≤11.00	PASS
11N40SISO	Ant2	5190	-8.97	≤11.00	PASS
		5230	-8.28	≤11.00	PASS
11AC20SISO	Ant2	5180	-6.65	≤11.00	PASS
		5200	-5.99	≤11.00	PASS
		5240	-5.28	≤11.00	PASS
11AC40SISO	Ant2	5190	-9.10	≤11.00	PASS
		5230	-8.47	≤11.00	PASS
11AC80SISO	Ant2	5210	-11.56	≤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



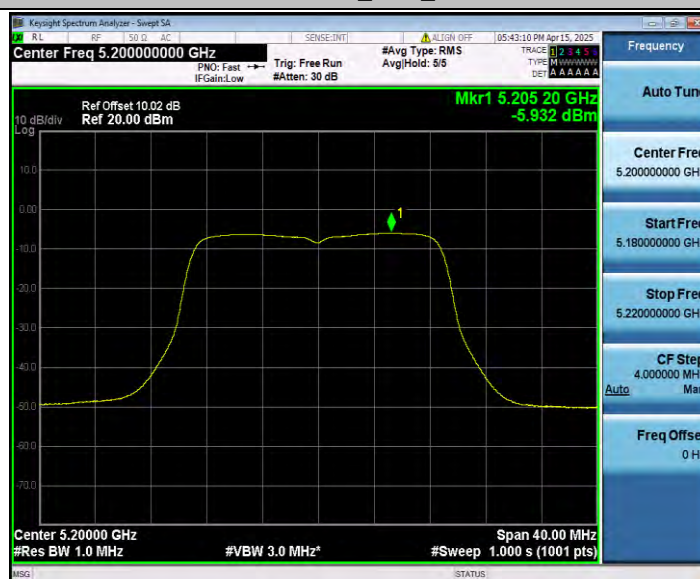
11A_Ant2_5240



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



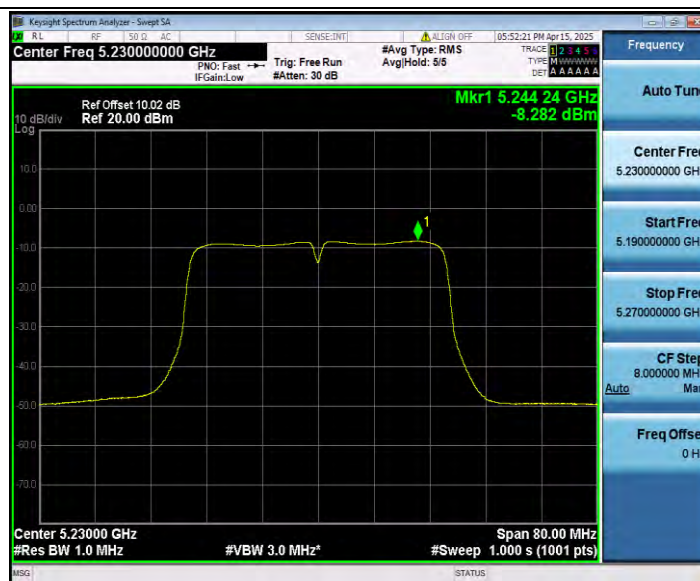
11N20SISO_Ant2_5240



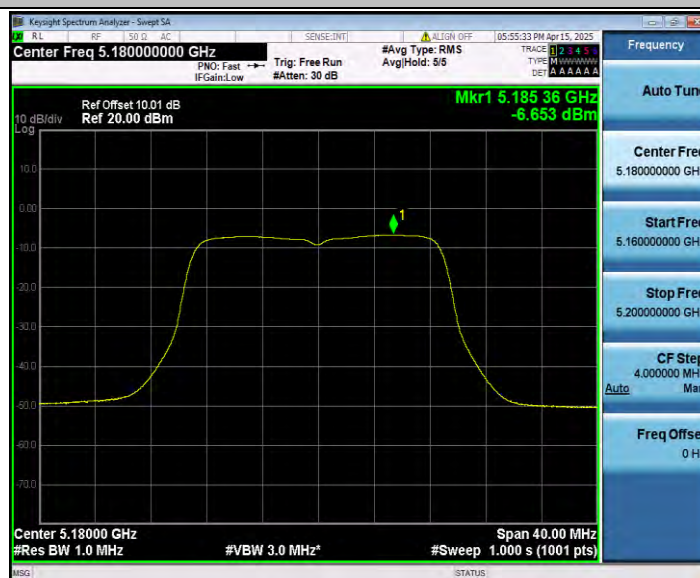
11N40SISO_Ant2_5190



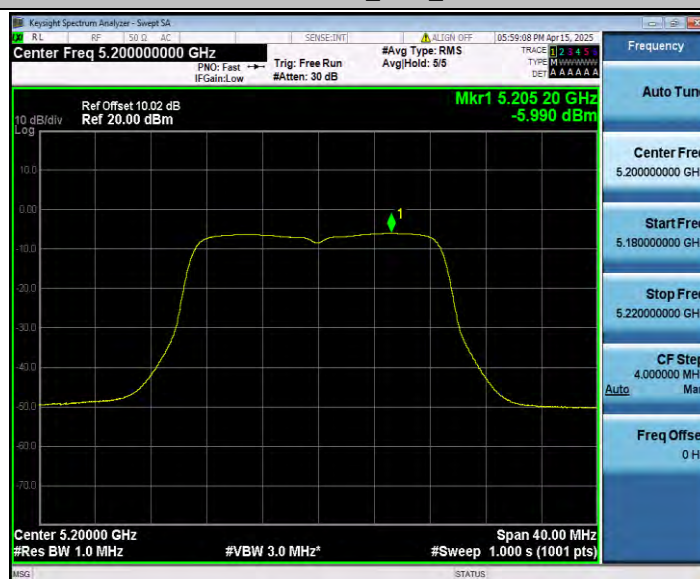
11N40SISO_Ant2_5230



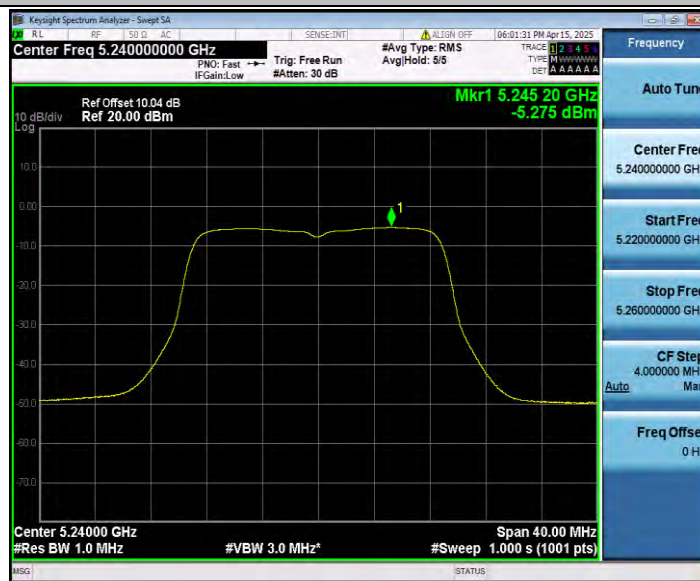
11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



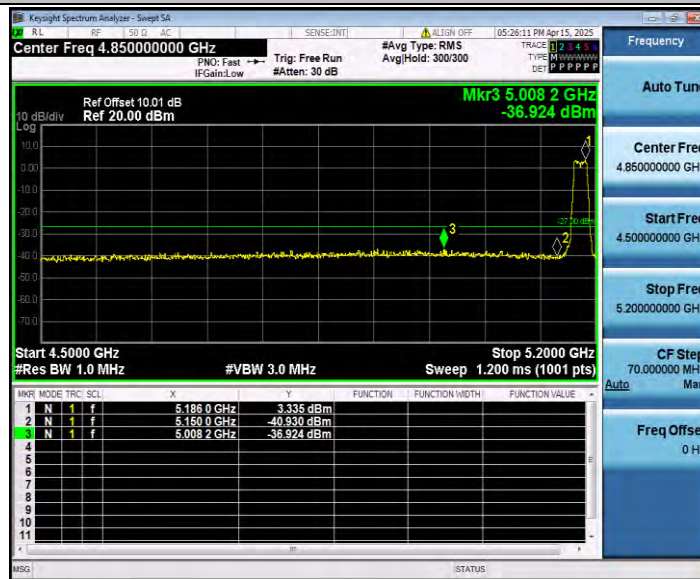
Appendix D.6: Band edge measurements

Test Result B1

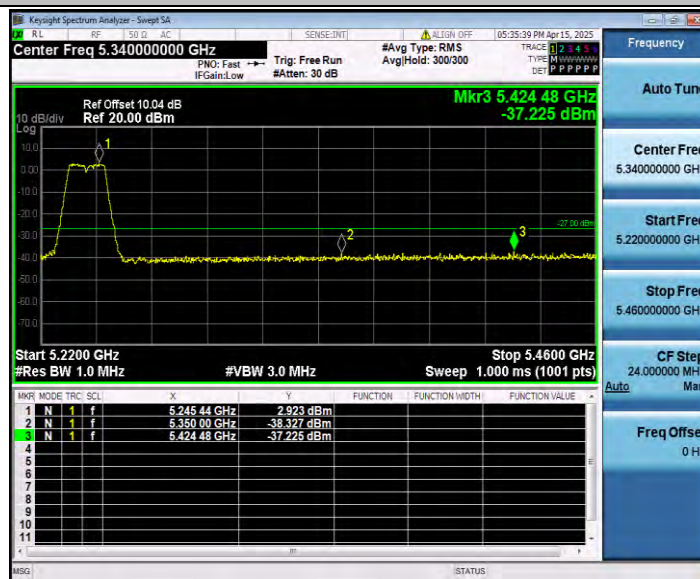
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant2	Low	5180	-36.92	≤ -27	PASS
		High	5240	-37.23	≤ -27	PASS
11N20SISO	Ant2	Low	5180	-37.18	≤ -27	PASS
		High	5240	-37.23	≤ -27	PASS
11N40SISO	Ant2	Low	5190	-37.04	≤ -27	PASS
		High	5230	-37.57	≤ -27	PASS
11AC20SISO	Ant2	Low	5180	-37.14	≤ -27	PASS
		High	5240	-37.93	≤ -27	PASS
11AC40SISO	Ant2	Low	5190	-37.66	≤ -27	PASS
		High	5230	-37.28	≤ -27	PASS
11AC80SISO	Ant2	Low	5210	-37.34	≤ -27	PASS
		High	5210	-37.27	≤ -27	PASS

Test Graphs B1

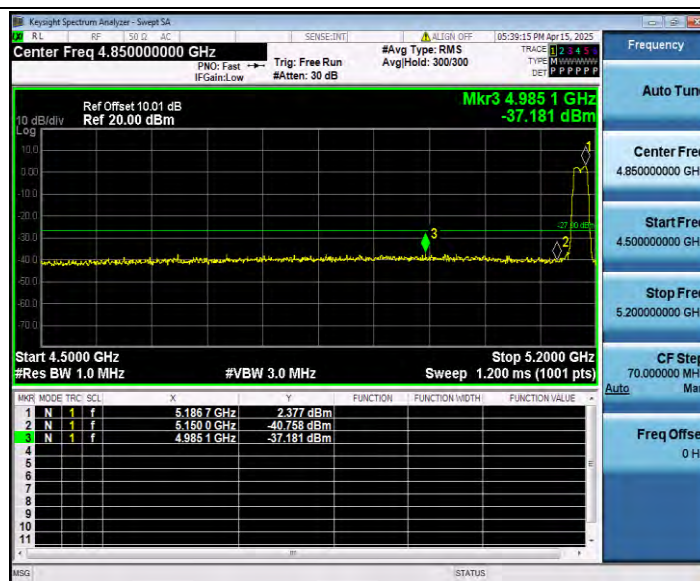
11A_Ant2_Low_5180



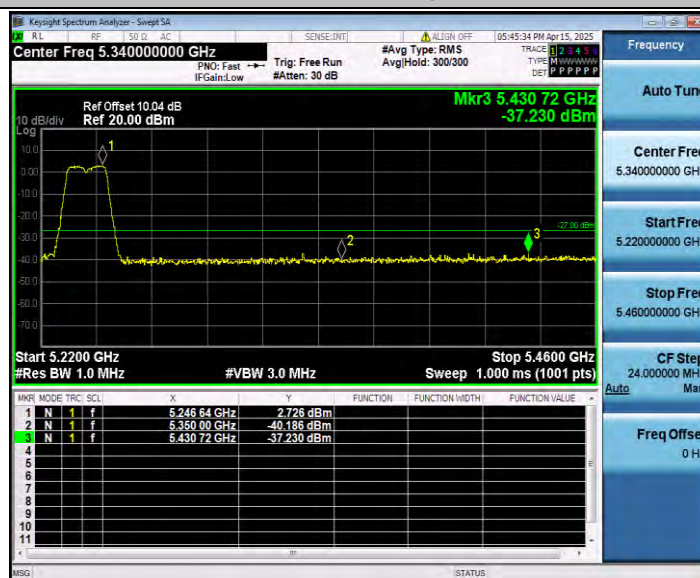
11A_Ant2_High_5240



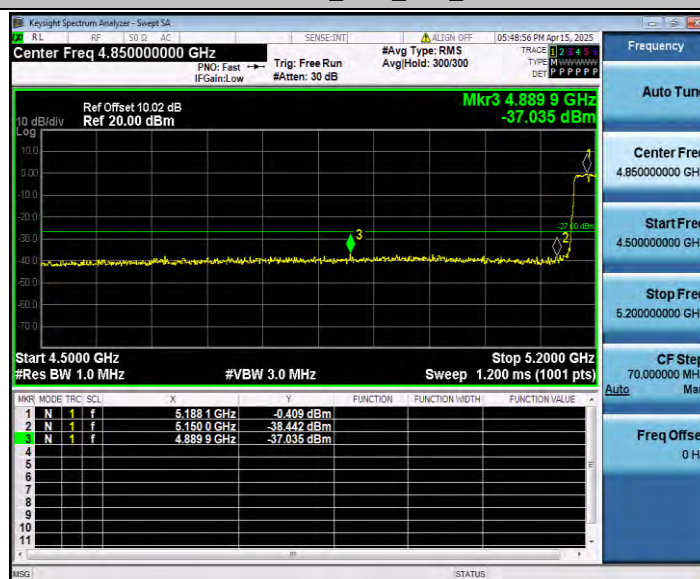
11N20SISO_Ant2_Low_5180



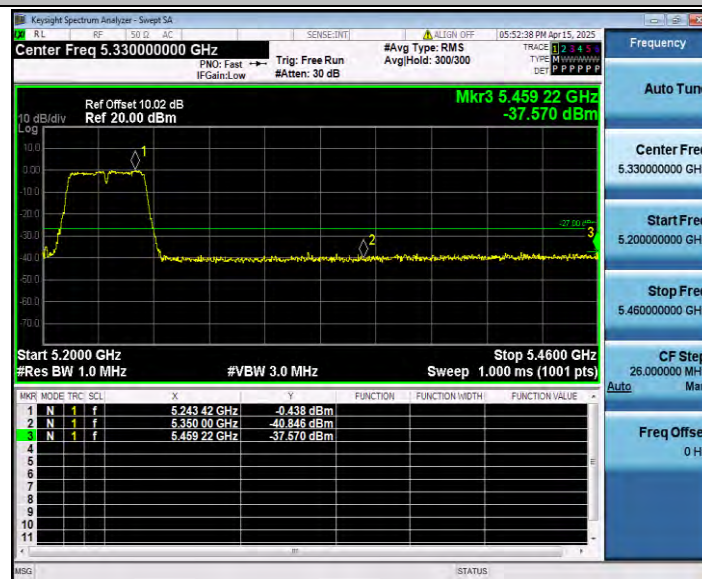
11N20SISO_Ant2_High_5240



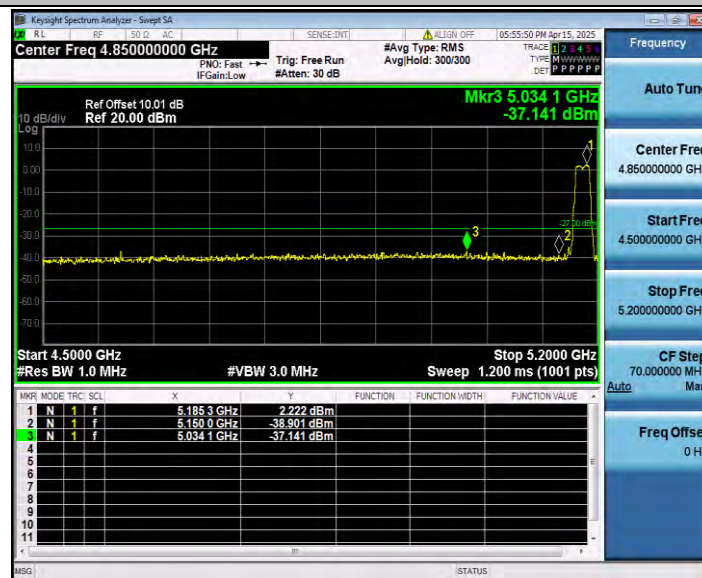
11N40SISO_Ant2_Low_5190



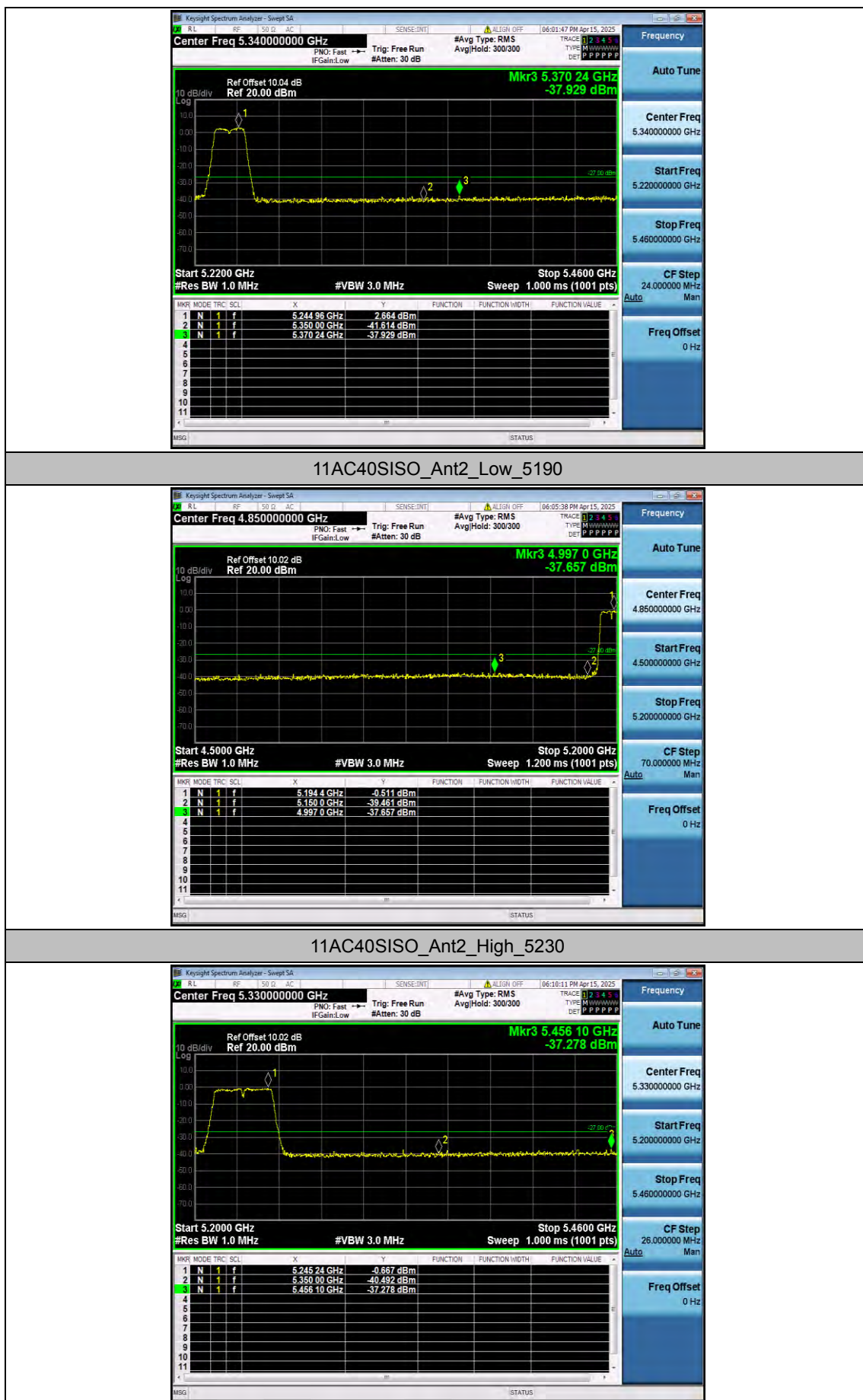
11N40SISO_Ant2_High_5230



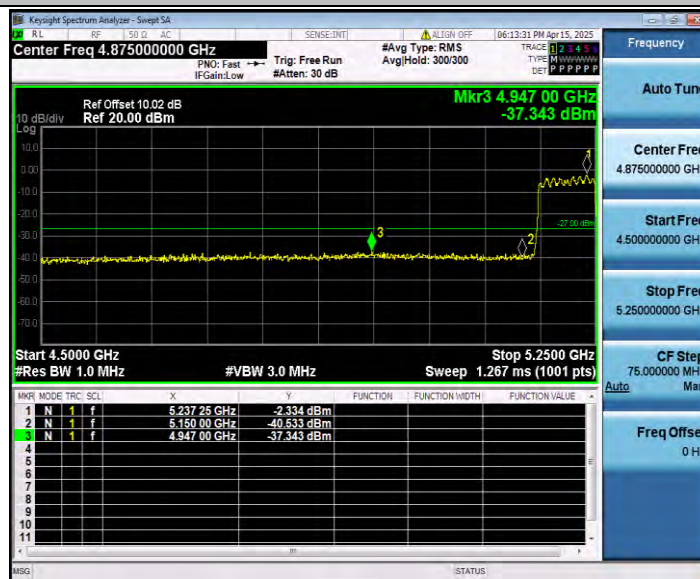
11AC20SISO_Ant2_Low_5180



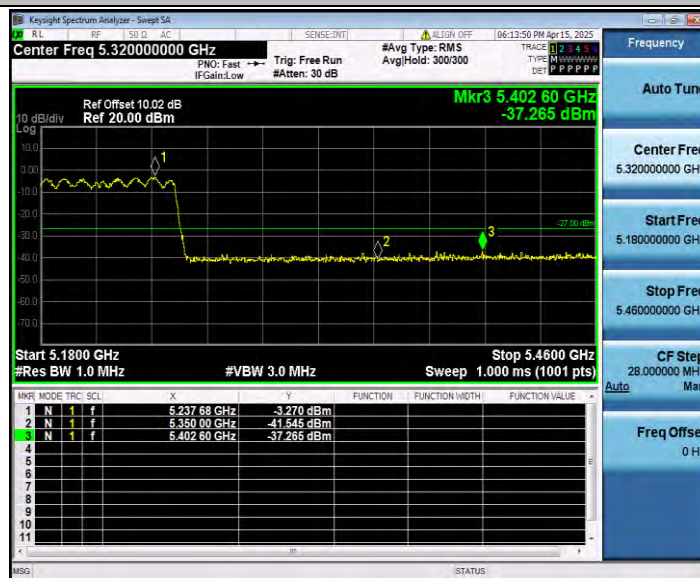
11AC20SISO_Ant2_High_5240



11AC80SISO_Ant2_Low_5210



11AC80SISO_Ant2_High_5210



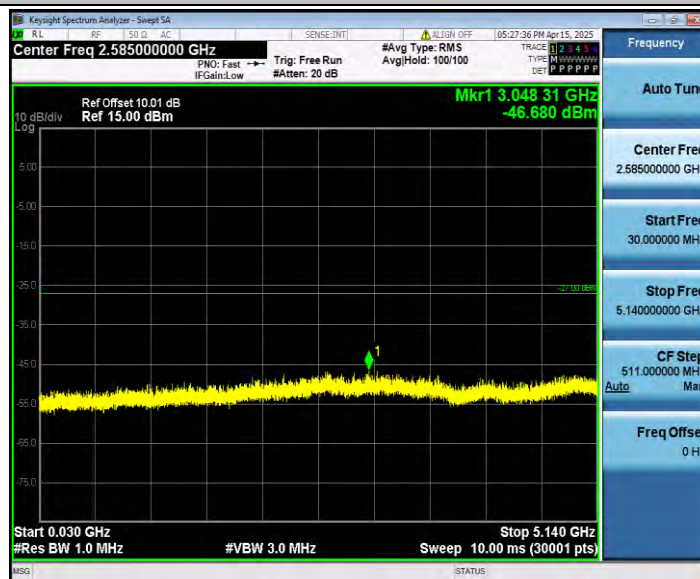
Appendix D.7: Conducted Spurious Emission

Test Result

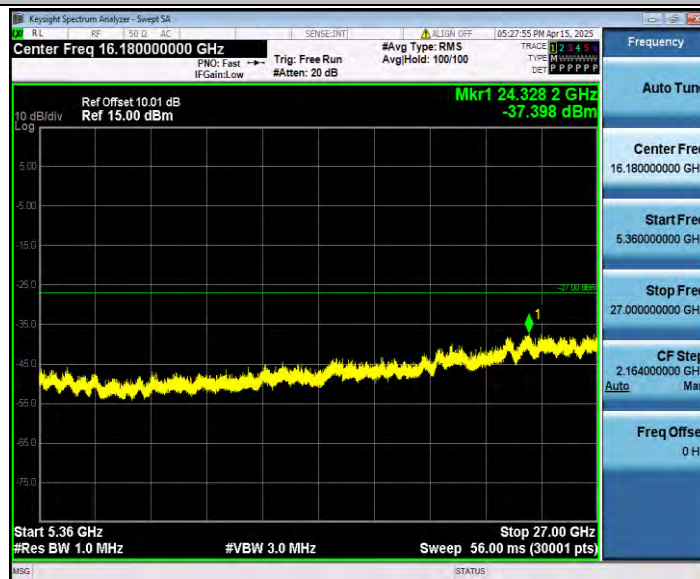
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	30~5140	3048.31	-46.68	≤-27	PASS
			5360~27000	24328.18	-37.4	≤-27	PASS
		5200	30~5140	4961.66	-44.88	≤-27	PASS
			5360~27000	23538.32	-36.89	≤-27	PASS
		5240	30~5140	2777.65	-46.62	≤-27	PASS
			5360~27000	24213.49	-37.02	≤-27	PASS
11N20SISO	Ant2	5180	30~5140	2647.34	-46.15	≤-27	PASS
			5360~27000	24091.58	-37.08	≤-27	PASS
		5200	30~5140	4976.65	-46.11	≤-27	PASS
			5360~27000	23534.71	-37.28	≤-27	PASS
		5240	30~5140	3061.93	-46.52	≤-27	PASS
			5360~27000	24755.93	-37.18	≤-27	PASS
11N40SISO	Ant2	5190	30~5140	5003.22	-46.17	≤-27	PASS
			5360~27000	23605.41	-36.78	≤-27	PASS
		5230	30~5140	3082.88	-45.63	≤-27	PASS
			5360~27000	25242.83	-37.14	≤-27	PASS
11AC20SISO	Ant2	5180	30~5140	5048.7	-46.02	≤-27	PASS
			5360~27000	24292.11	-37.25	≤-27	PASS
		5200	30~5140	3279.62	-46.78	≤-27	PASS
			5360~27000	26484.97	-36.23	≤-27	PASS
		5240	30~5140	3580.77	-46.54	≤-27	PASS
			5360~27000	24264.7	-36.65	≤-27	PASS
11AC40SISO	Ant2	5190	30~5140	2524.36	-45.68	≤-27	PASS
			5360~27000	24926.17	-36.83	≤-27	PASS
		5230	30~5140	5014.29	-46.19	≤-27	PASS
			5360~27000	26000.95	-37.55	≤-27	PASS
11AC80SISO	Ant2	5210	30~5140	5135.23	-44.16	≤-27	PASS
			5360~27000	26654.48	-37.02	≤-27	PASS

Test Graphs

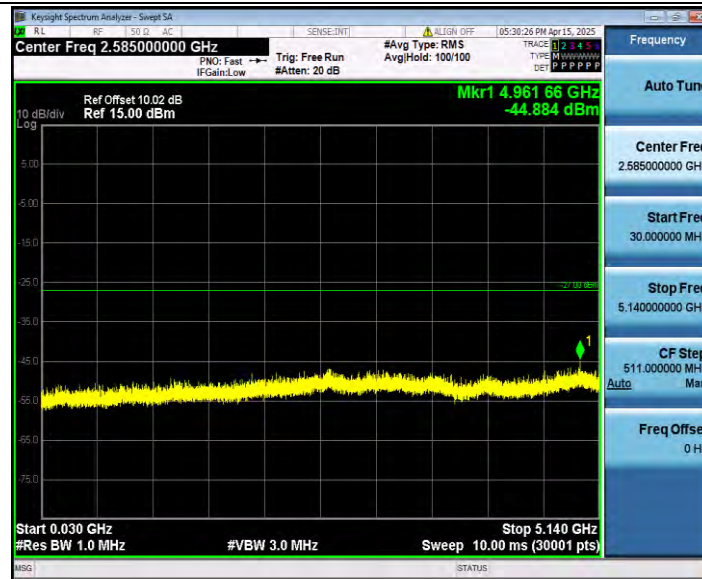
11A_Ant2_5180_30~5140



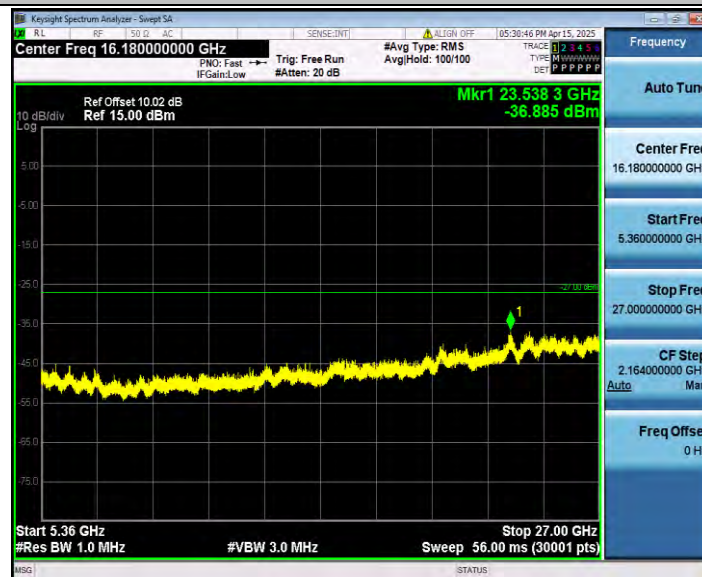
11A_Ant2_5180_5360~27000



11A_Ant2_5200_30~5140



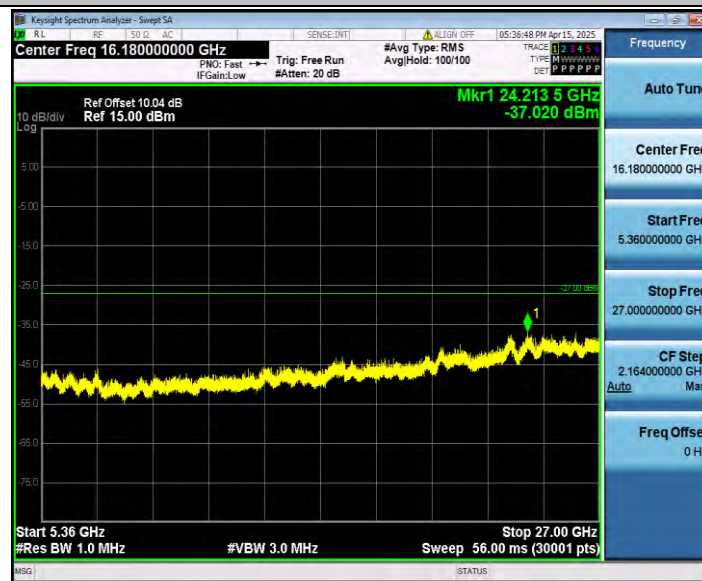
11A_Ant2_5200_5360~27000



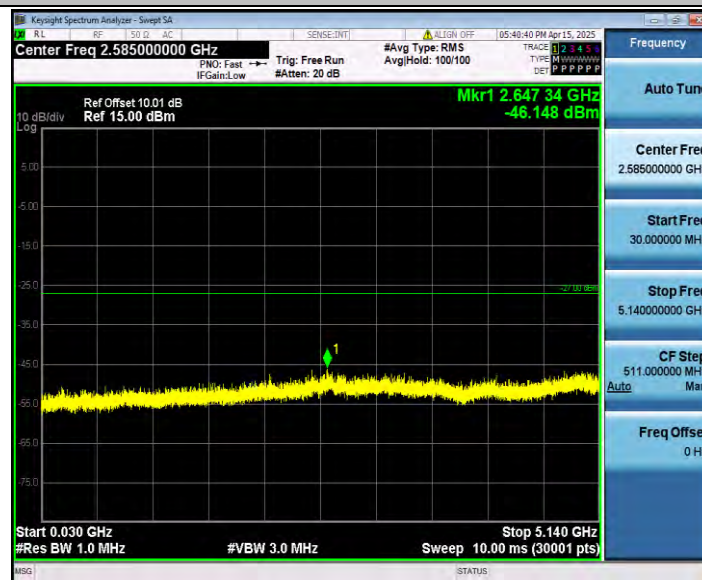
11A_Ant2_5240_30~5140



11A_Ant2_5240_5360~27000



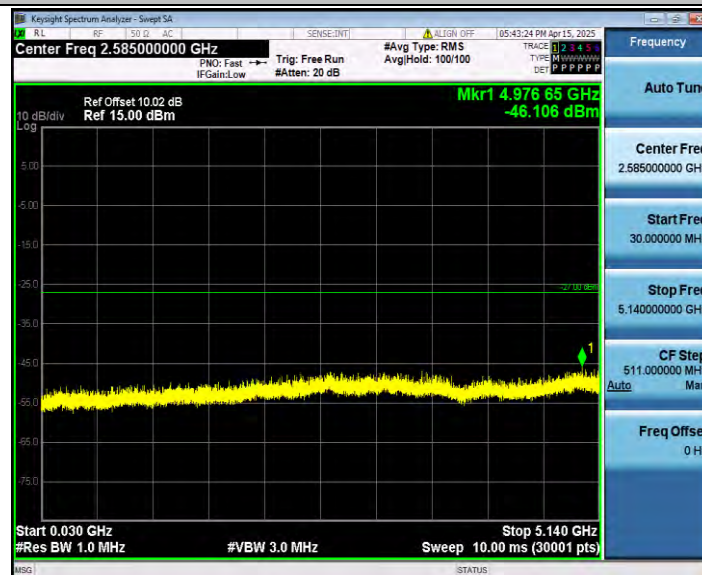
11N20SISO_Ant2_5180_30~5140



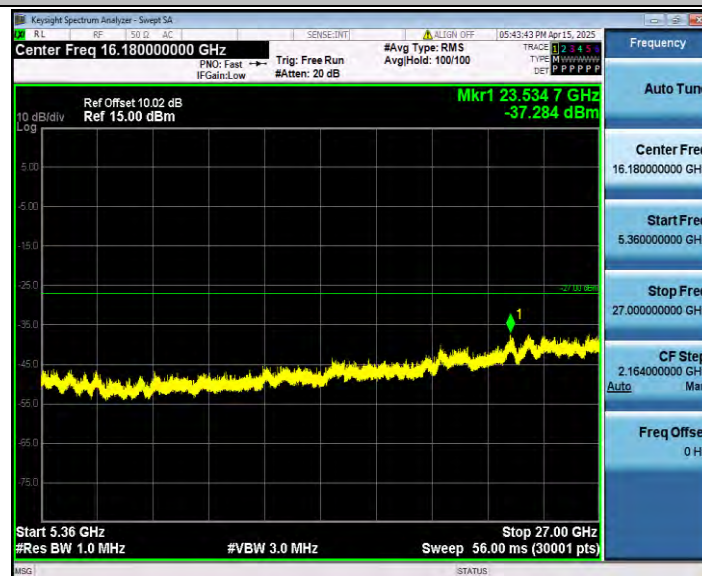
11N20SISO_Ant2_5180_5360~27000



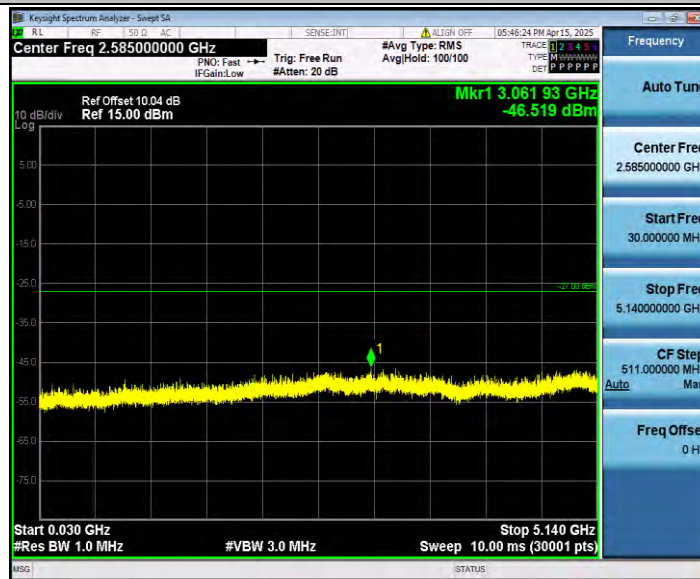
11N20SISO_Ant2_5200_30~5140



11N20SISO_Ant2_5200_5360~27000



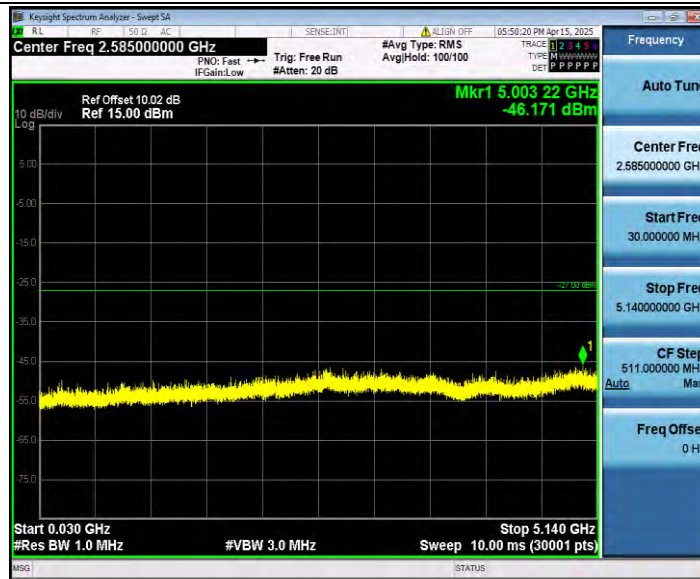
11N20SISO_Ant2_5240_30~5140



11N20SISO_Ant2_5240_5360~27000



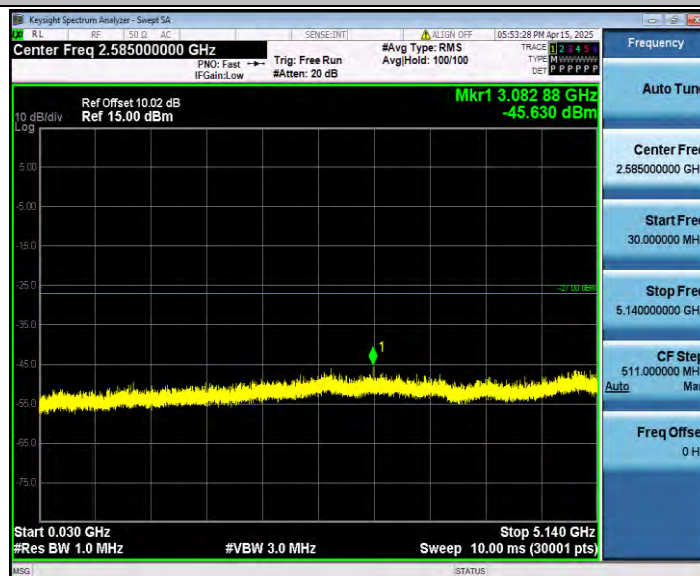
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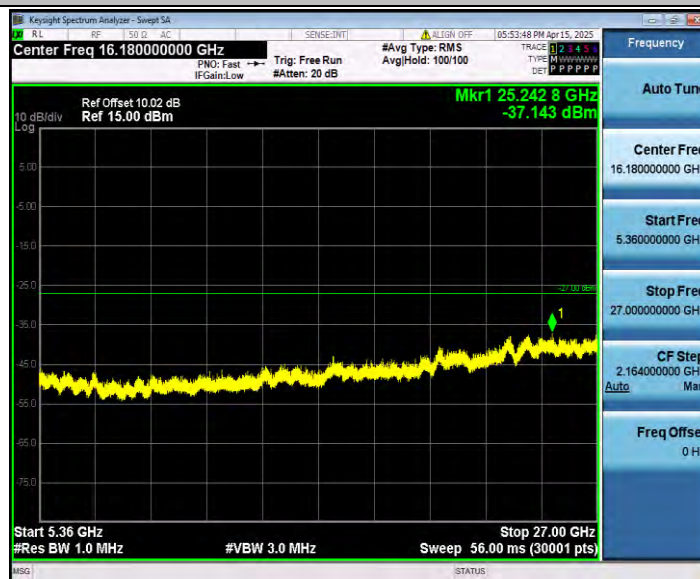
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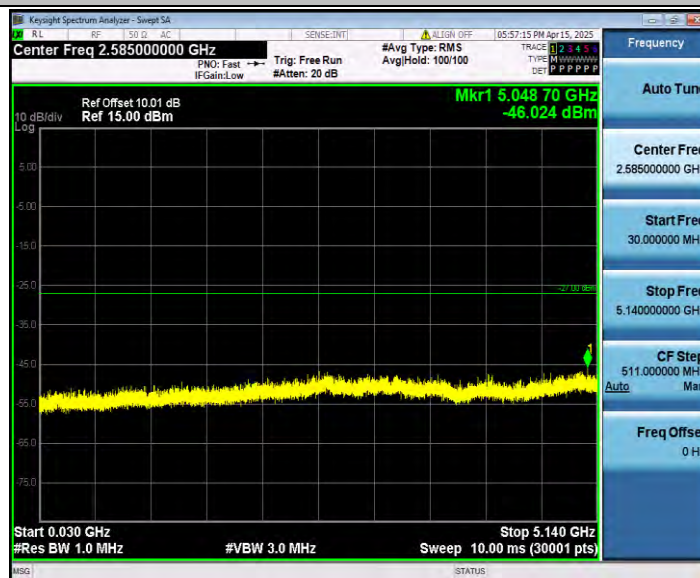
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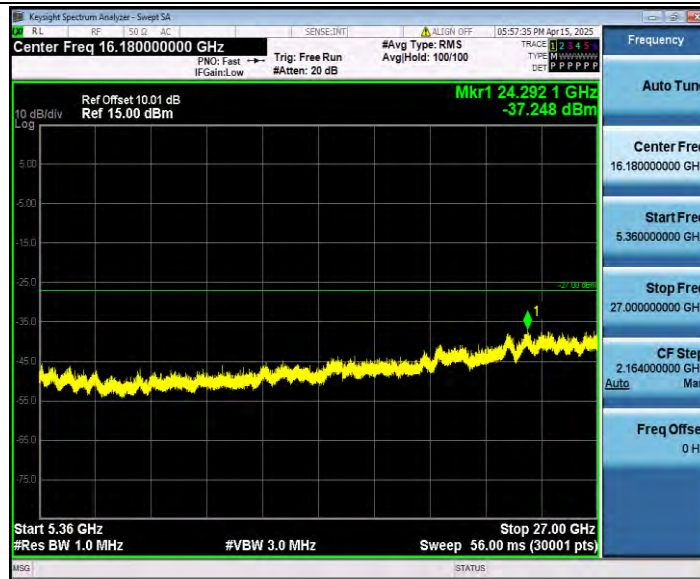
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11AC20SISO_Ant2_5180_30~5140



11AC20SISO_Ant2_5180_5360~27000



11AC20SISO_Ant2_5200_30~5140



11AC20SISO_Ant2_5200_5360~27000



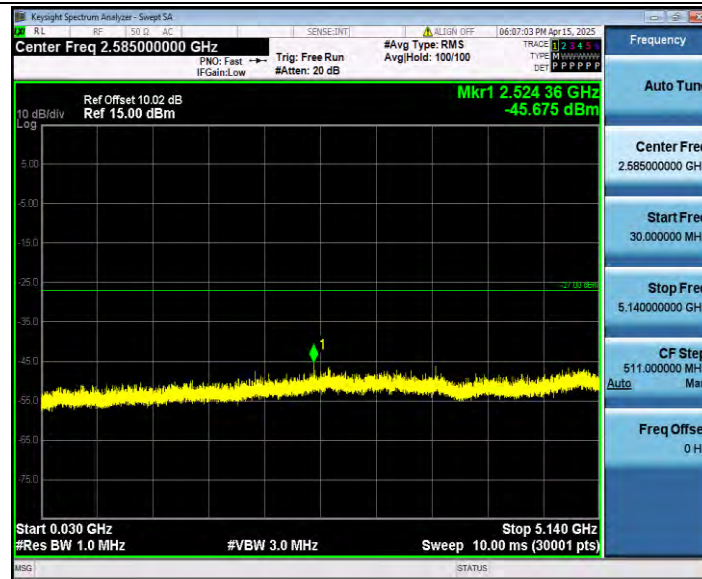
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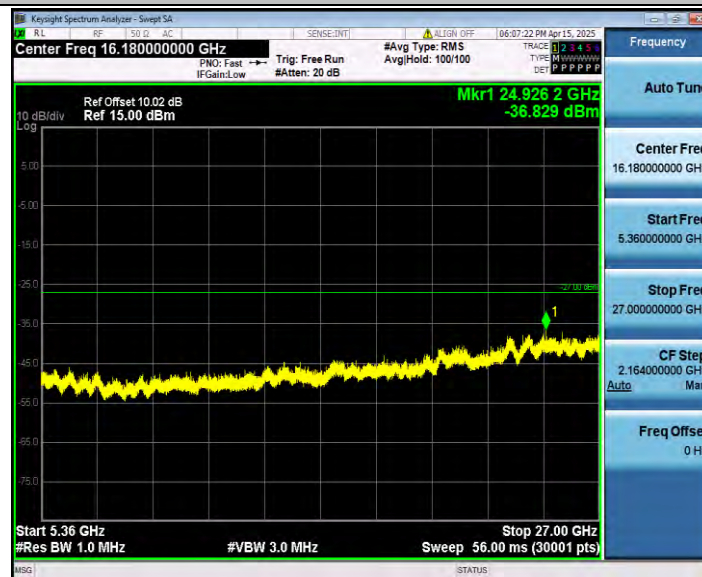
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11AC40SISO_Ant2_5190_30~5140



11AC40SISO_Ant2_5190_5360~27000



11AC40SISO_Ant2_5230_30~5140



