

Case No. : <u>GTS20260617003-1-04</u>
Ambient Condition: <u>23</u> °C, <u>52</u> %RH
According Standard: ■Part15E
Test Date: <u>2026.6.22-2026.7.20</u> Test Engineer: <u>Evan ouyang</u>

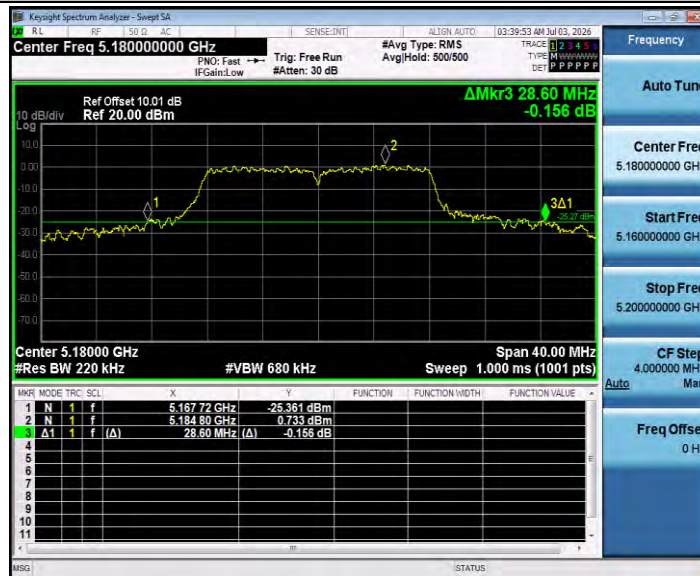
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	28.600	5167.720	5196.320	---	---
		5200	28.040	5185.320	5213.360	---	---
		5240	29.920	5225.160	5255.080	---	---
11N20SISO	Ant2	5180	28.600	5168.960	5197.560	---	---
		5200	28.800	5187.480	5216.280	---	---
		5240	26.560	5228.840	5255.400	---	---
11N40SISO	Ant2	5190	57.680	5168.640	5226.320	---	---
		5230	65.200	5200.880	5266.080	---	---
11AC20SISO	Ant2	5180	27.840	5169.040	5196.880	---	---
		5200	21.080	5189.560	5210.640	---	---
		5240	30.440	5226.480	5256.920	---	---
11AC40SISO	Ant2	5190	64.880	5161.440	5226.320	---	---
		5230	72.480	5194.000	5266.480	---	---
11AC80SISO	Ant2	5210	120.800	5168.880	5289.680	---	---

Test Graphs

11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



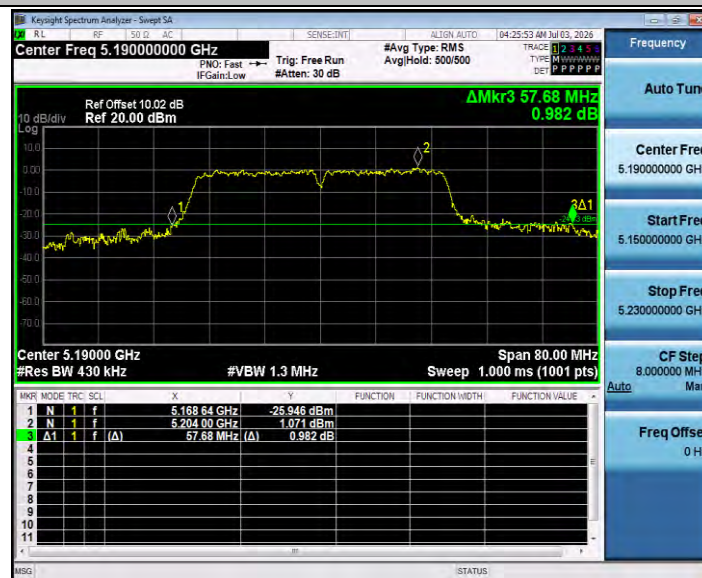
11N20SISO_Ant2_5200



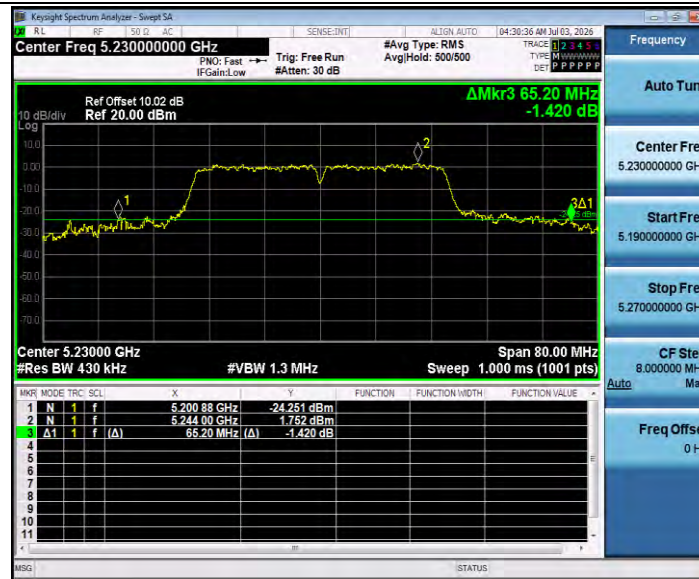
11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



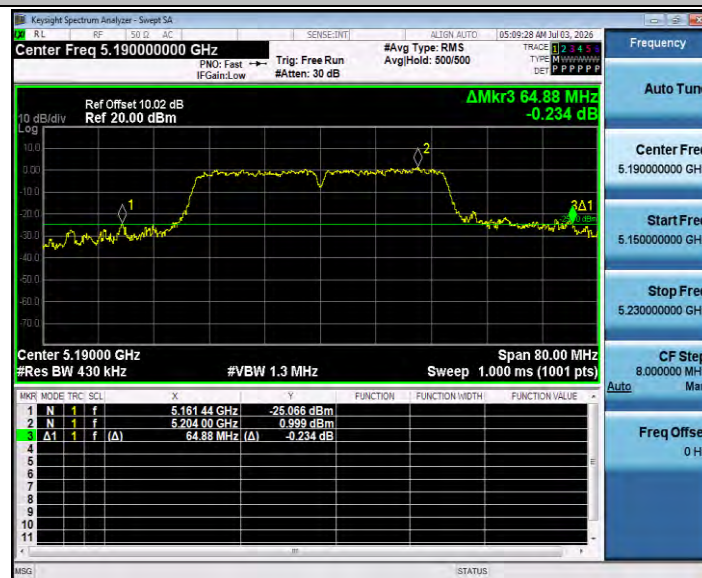
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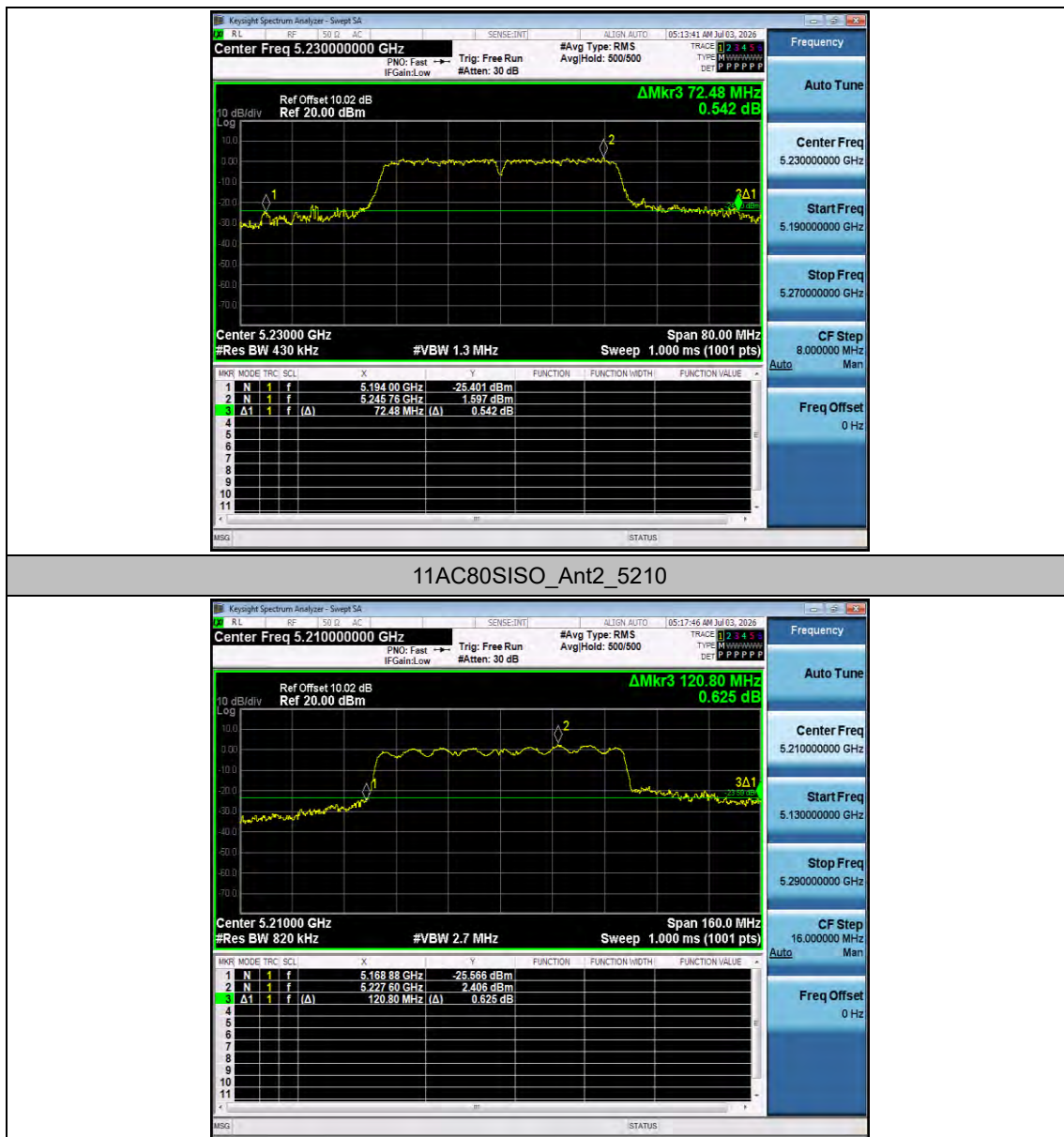
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11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



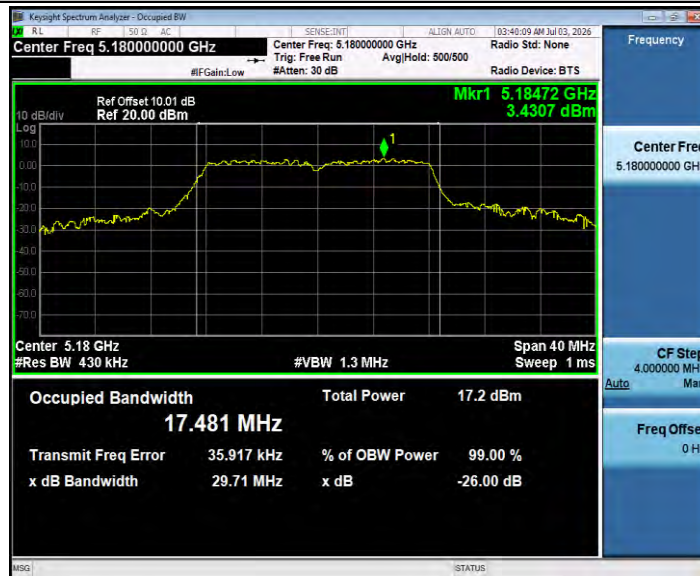
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.481	5171.2954	5188.7764	---	---
		5200	17.480	5191.2590	5208.7390	---	---
		5240	17.670	5231.0999	5248.7699	---	---
11N20SISO	Ant2	5180	18.205	5170.9290	5189.1340	---	---
		5200	18.297	5190.8821	5209.1791	---	---
		5240	18.303	5230.8437	5249.1467	---	---
11N40SISO	Ant2	5190	36.944	5171.8146	5208.7586	---	---
		5230	37.171	5211.6213	5248.7923	---	---
11AC20SISO	Ant2	5180	18.157	5170.9489	5189.1059	---	---
		5200	17.962	5190.9896	5208.9516	---	---
		5240	18.359	5230.8062	5249.1652	---	---
11AC40SISO	Ant2	5190	37.087	5171.7482	5208.8352	---	---
		5230	37.242	5211.5758	5248.8178	---	---
11AC80SISO	Ant2	5210	76.549	5172.3746	5248.9236	---	---

Test Graphs

11A_Ant2_5180



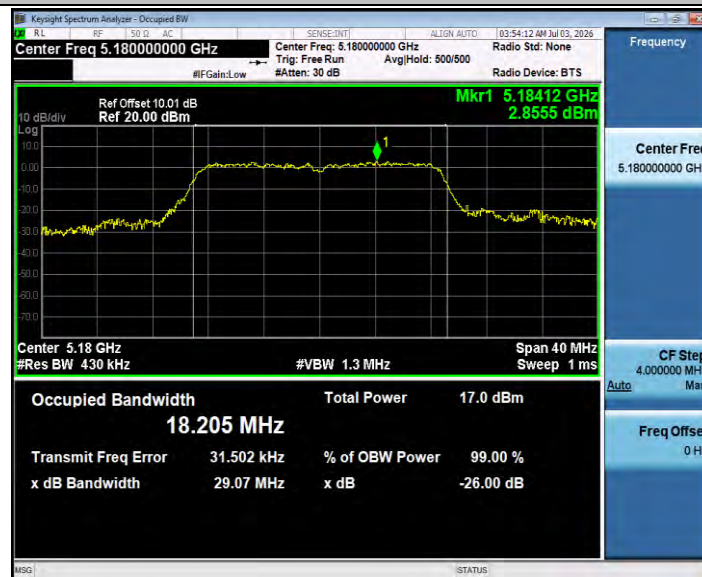
11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



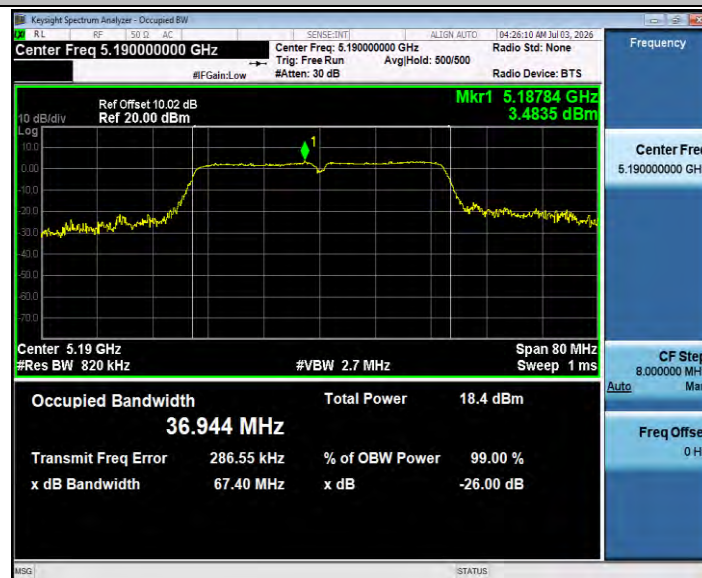
11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



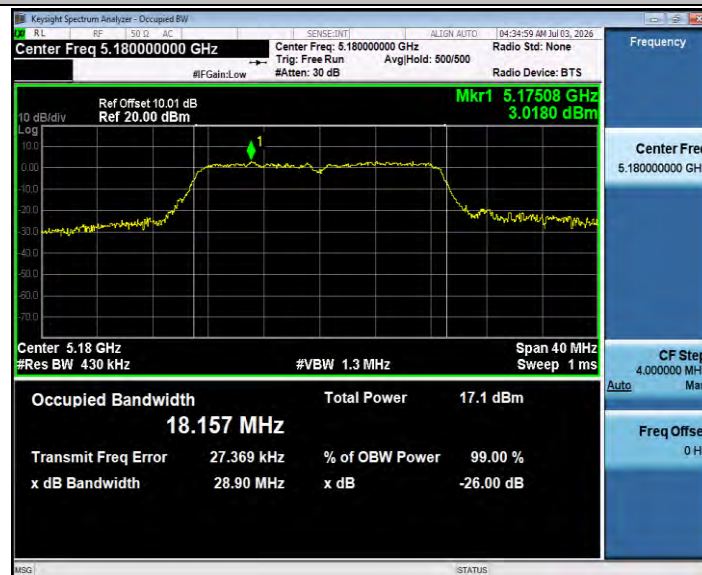
11N40SISO_Ant2_5190



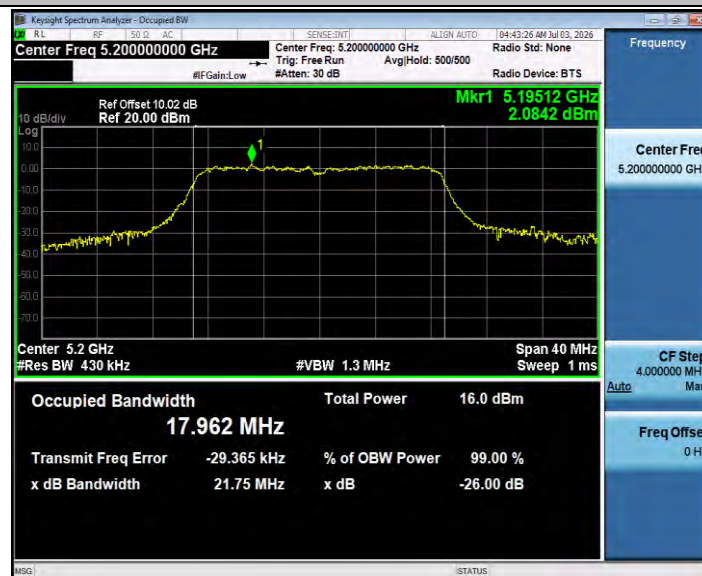
11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



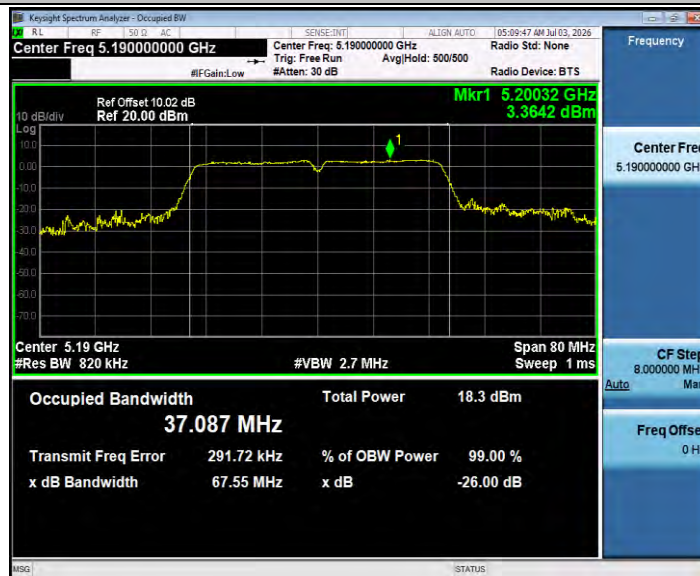
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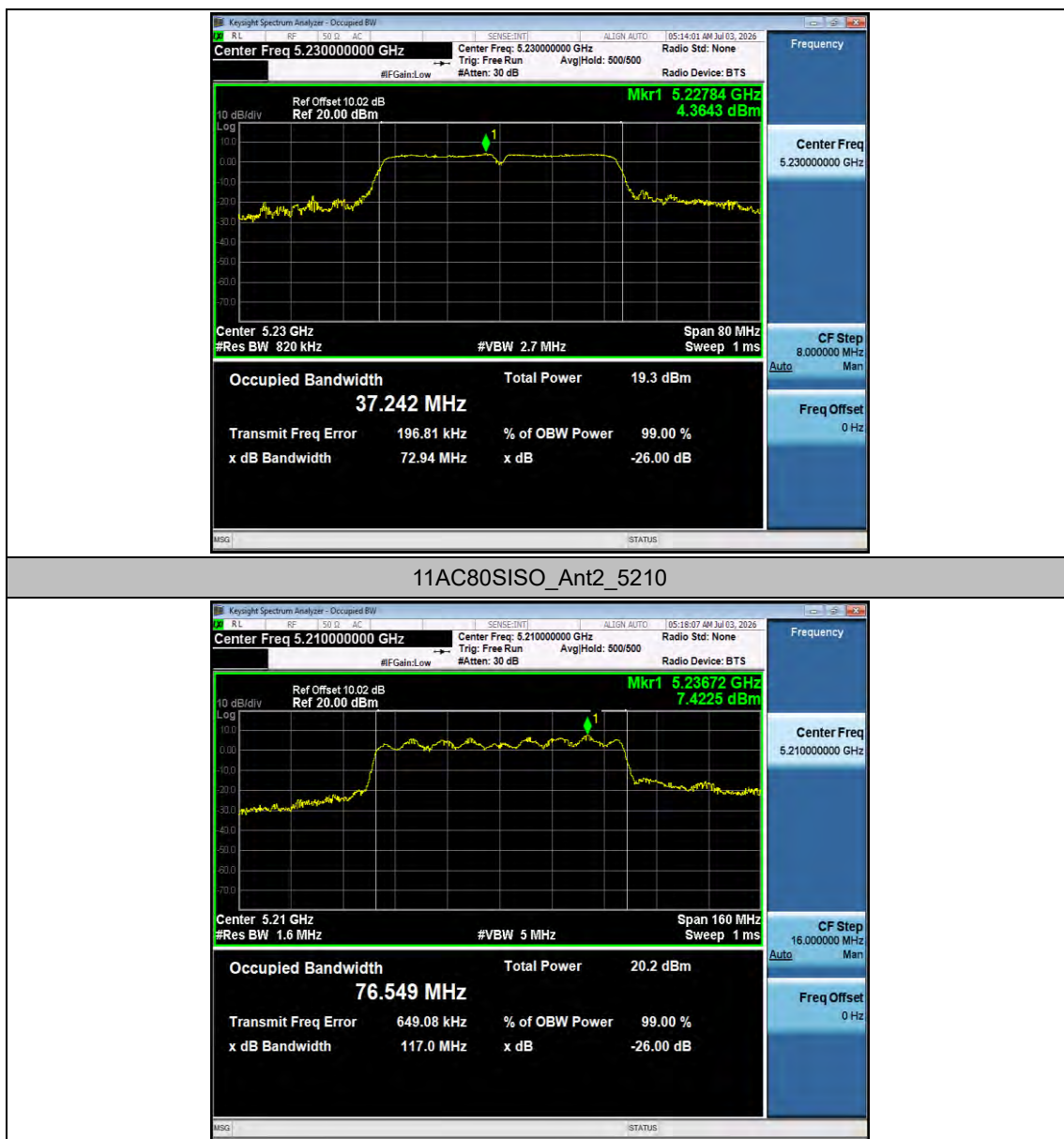
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230

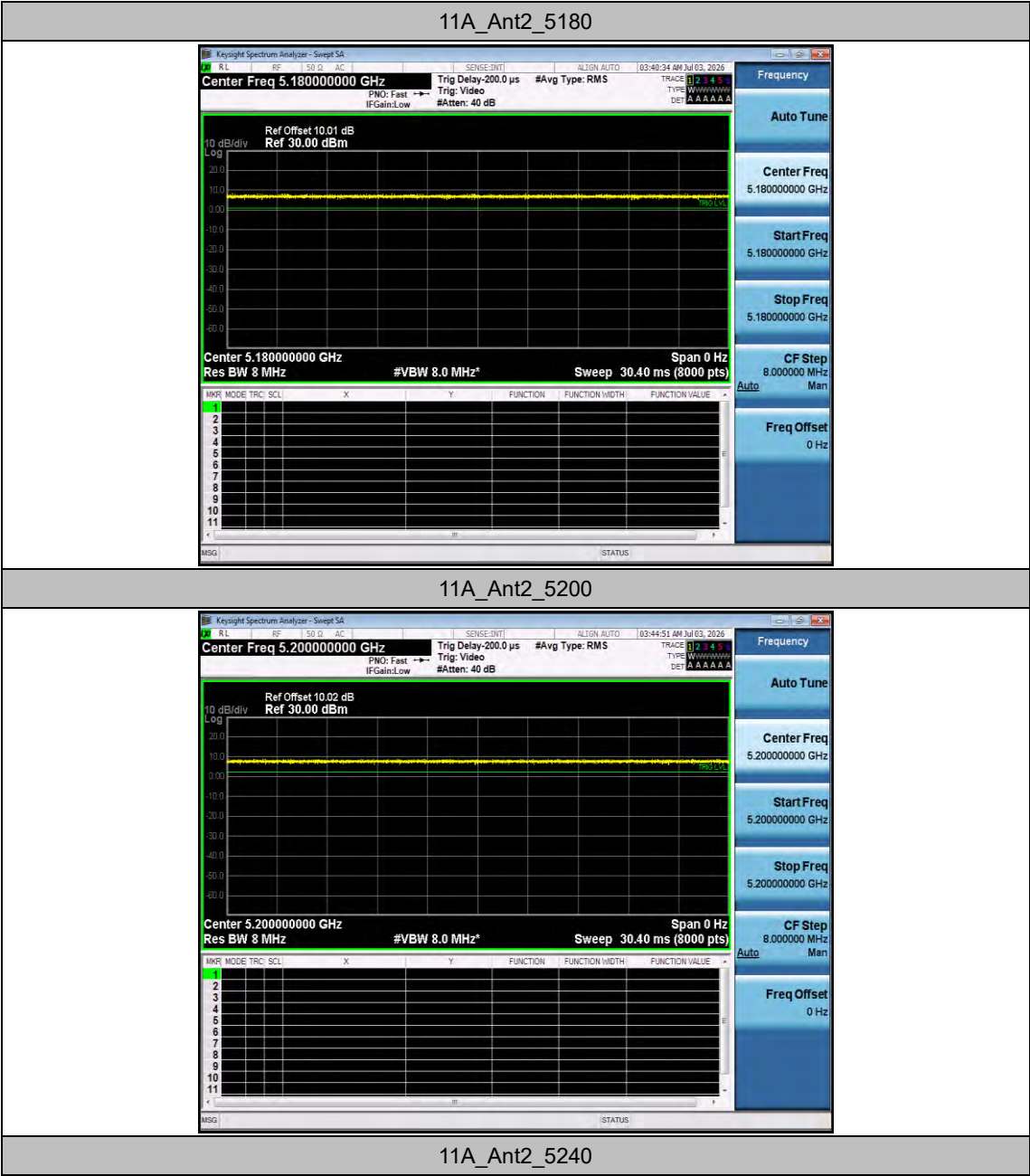


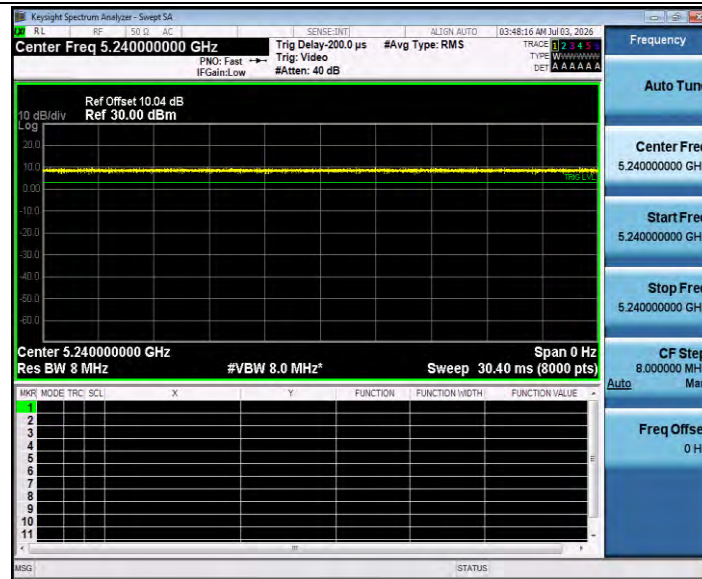
AppendixD.3: Duty Cycle

Test Result

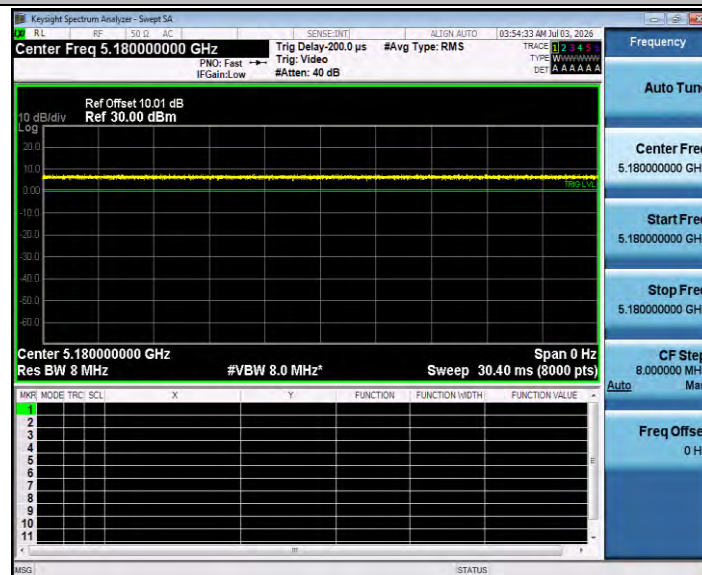
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant2	5180	30.00	30.00	100.00	0.00	0.03
		5200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

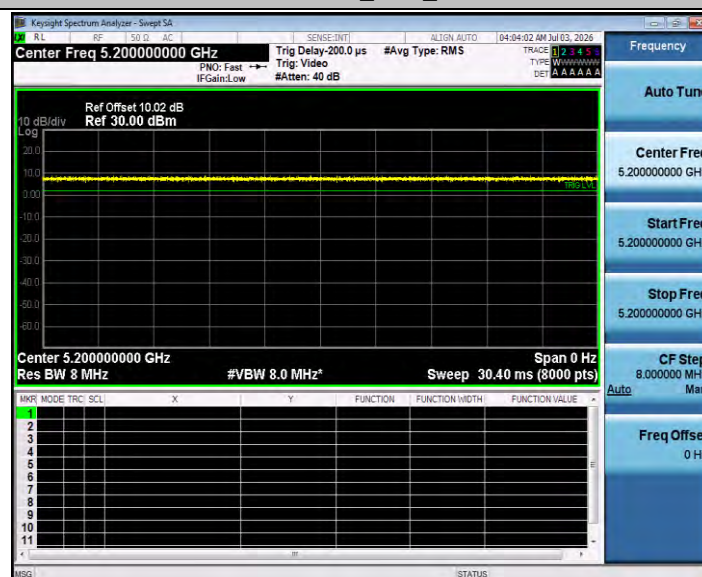




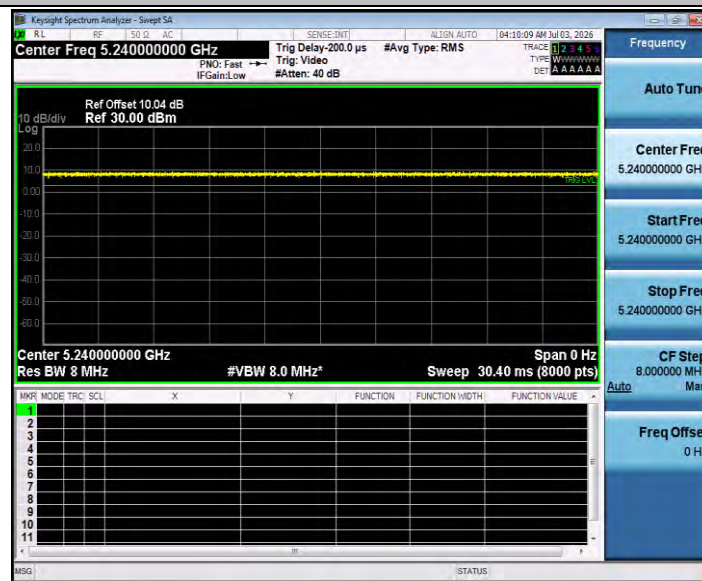
11N20SISO_Ant2_5180



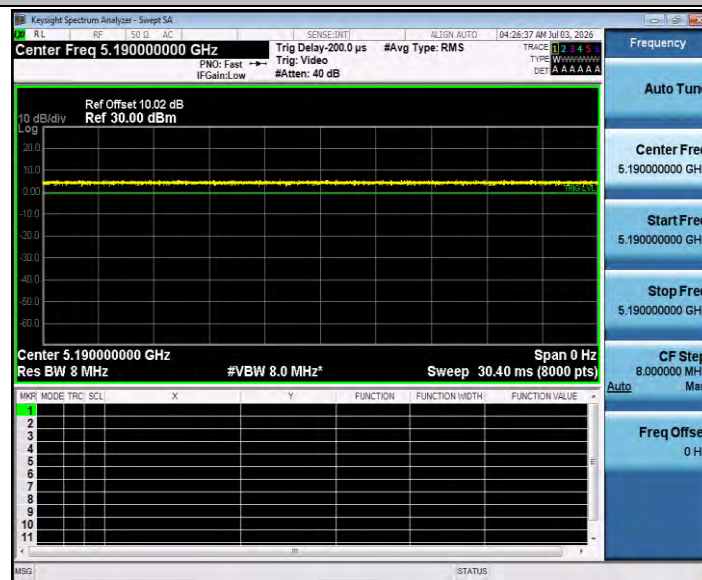
11N20SISO_Ant2_5200



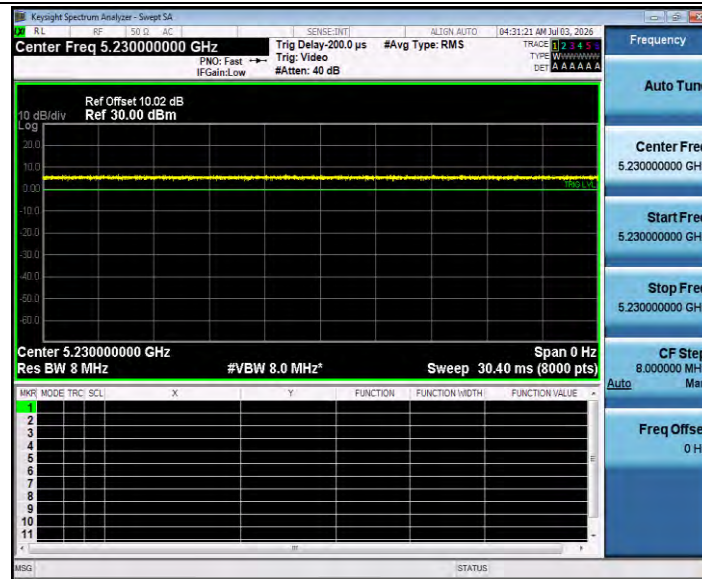
11N20SISO_Ant2_5240



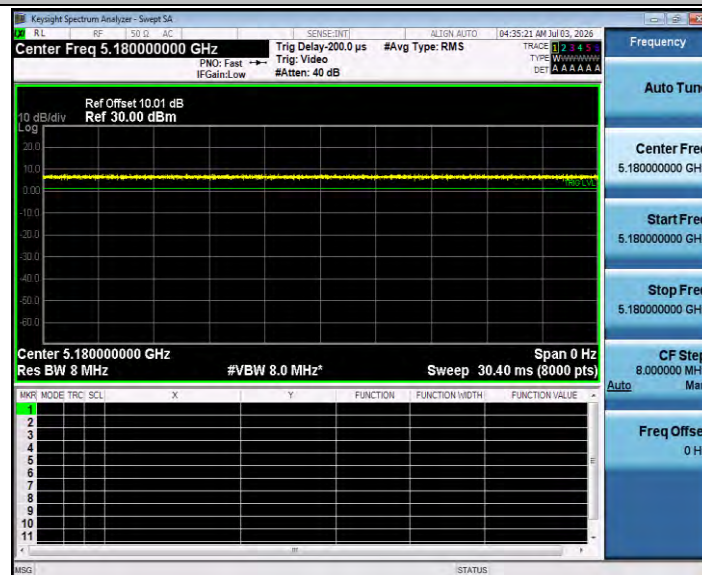
11N40SISO_Ant2_5190



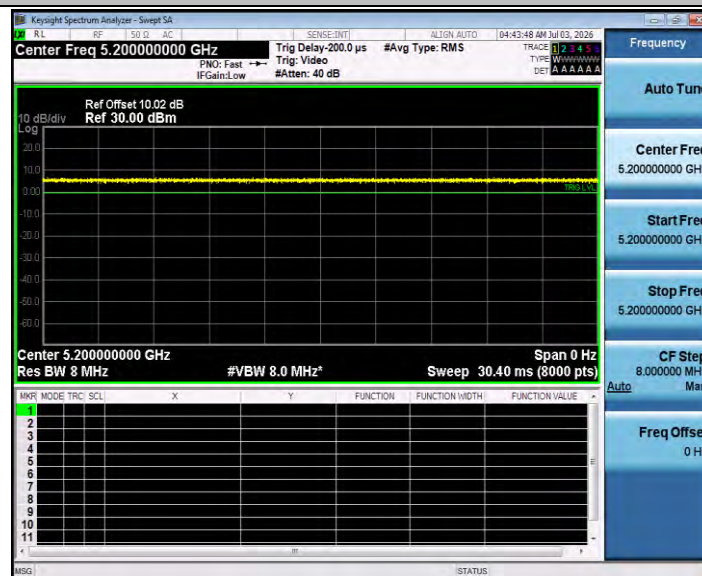
11N40SISO_Ant2_5230



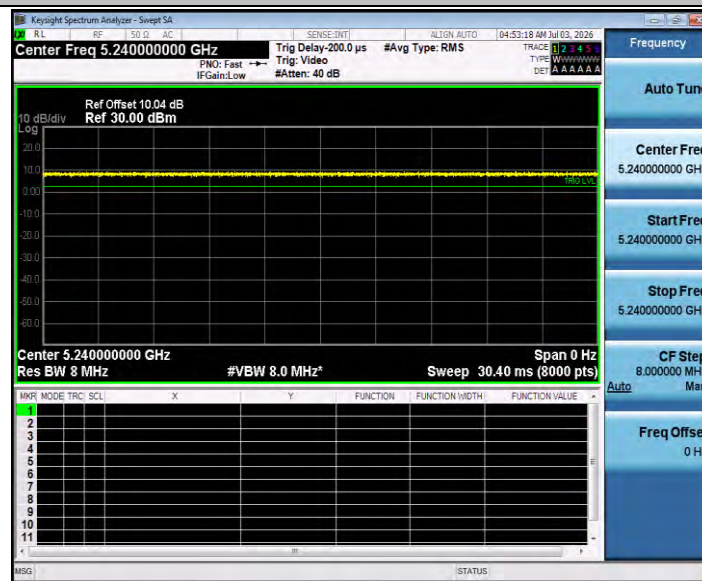
11AC20SISO_Ant2_5180



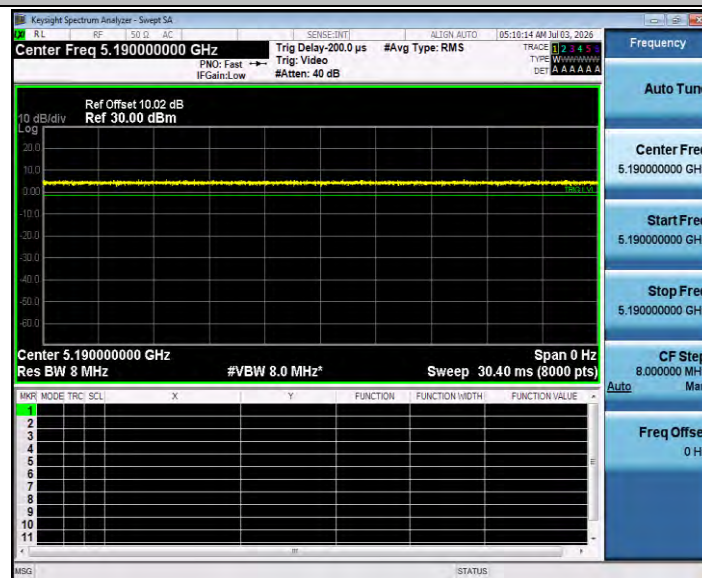
11AC20SISO_Ant2_5200



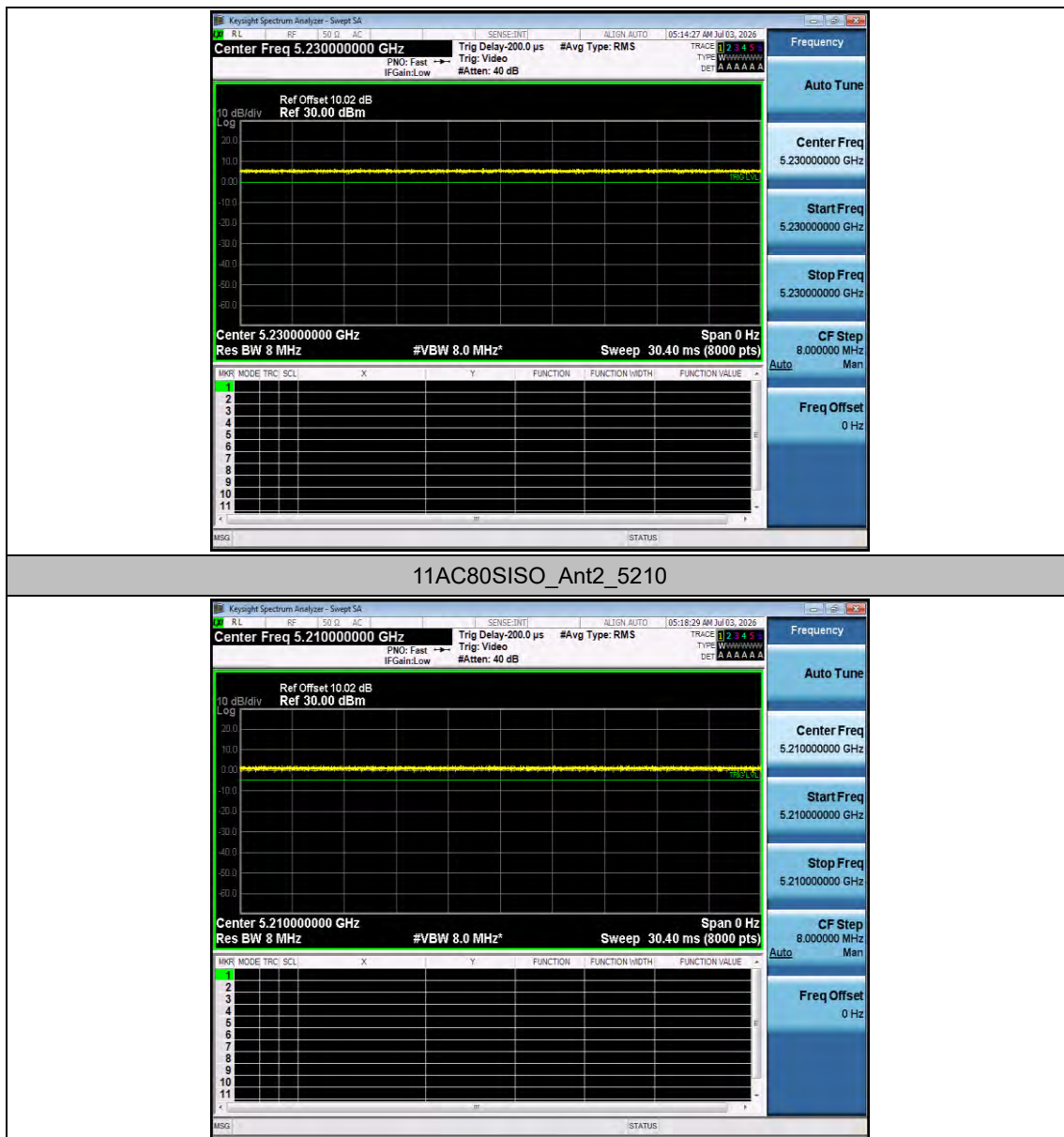
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



Appendix D.4: Maximum conducted output power

Test Result Channel Power

DC 11.4V by battery

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	10.60	100.00	0.00	10.60	≤23.98	PASS
		5200	11.42	100.00	0.00	11.42	≤23.98	PASS
		5240	12.18	100.00	0.00	12.18	≤23.98	PASS
11N20SISO	Ant2	5180	10.41	100.00	0.00	10.41	≤23.98	PASS
		5200	11.64	100.00	0.00	11.64	≤23.98	PASS
		5240	12.25	100.00	0.00	12.25	≤23.98	PASS
11N40SISO	Ant2	5190	11.21	100.00	0.00	11.21	≤23.98	PASS
		5230	11.96	100.00	0.00	11.96	≤23.98	PASS
11AC20SISO	Ant2	5180	10.48	100.00	0.00	10.48	≤23.98	PASS
		5200	9.35	100.00	0.00	9.35	≤23.98	PASS
		5240	12.17	100.00	0.00	12.17	≤23.98	PASS
11AC40SISO	Ant2	5190	11.05	100.00	0.00	11.05	≤23.98	PASS
		5230	12.06	100.00	0.00	12.06	≤23.98	PASS
11AC80SISO	Ant2	5210	11.38	100.00	0.00	11.38	≤23.98	PASS

DC 7.6V by battery

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	10.42	100.00	0.00	10.42	≤23.98	PASS
		5200	11.03	100.00	0.00	11.03	≤23.98	PASS
		5240	11.89	100.00	0.00	11.89	≤23.98	PASS
11N20SISO	Ant2	5180	10.12	100.00	0.00	10.12	≤23.98	PASS
		5200	11.33	100.00	0.00	11.33	≤23.98	PASS
		5240	11.87	100.00	0.00	11.87	≤23.98	PASS
11N40SISO	Ant2	5190	10.69	100.00	0.00	10.69	≤23.98	PASS
		5230	11.57	100.00	0.00	11.57	≤23.98	PASS
11AC20SISO	Ant2	5180	10.14	100.00	0.00	10.14	≤23.98	PASS
		5200	9.03	100.00	0.00	9.03	≤23.98	PASS
		5240	11.85	100.00	0.00	11.85	≤23.98	PASS
11AC40SISO	Ant2	5190	10.69	100.00	0.00	10.69	≤23.98	PASS
		5230	11.35	100.00	0.00	11.35	≤23.98	PASS
11AC80SISO	Ant2	5210	10.89	100.00	0.00	10.89	≤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	-0.80	≤11.00	PASS
		5200	-0.05	≤11.00	PASS
		5240	0.68	≤11.00	PASS
11N20SISO	Ant2	5180	-1.16	≤11.00	PASS
		5200	-0.09	≤11.00	PASS
		5240	0.47	≤11.00	PASS
11N40SISO	Ant2	5190	-3.21	≤11.00	PASS
		5230	-2.68	≤11.00	PASS
11AC20SISO	Ant2	5180	-1.12	≤11.00	PASS
		5200	-2.23	≤11.00	PASS
		5240	0.46	≤11.00	PASS
11AC40SISO	Ant2	5190	-3.33	≤11.00	PASS
		5230	-2.58	≤11.00	PASS
11AC80SISO	Ant2	5210	-4.72	≤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



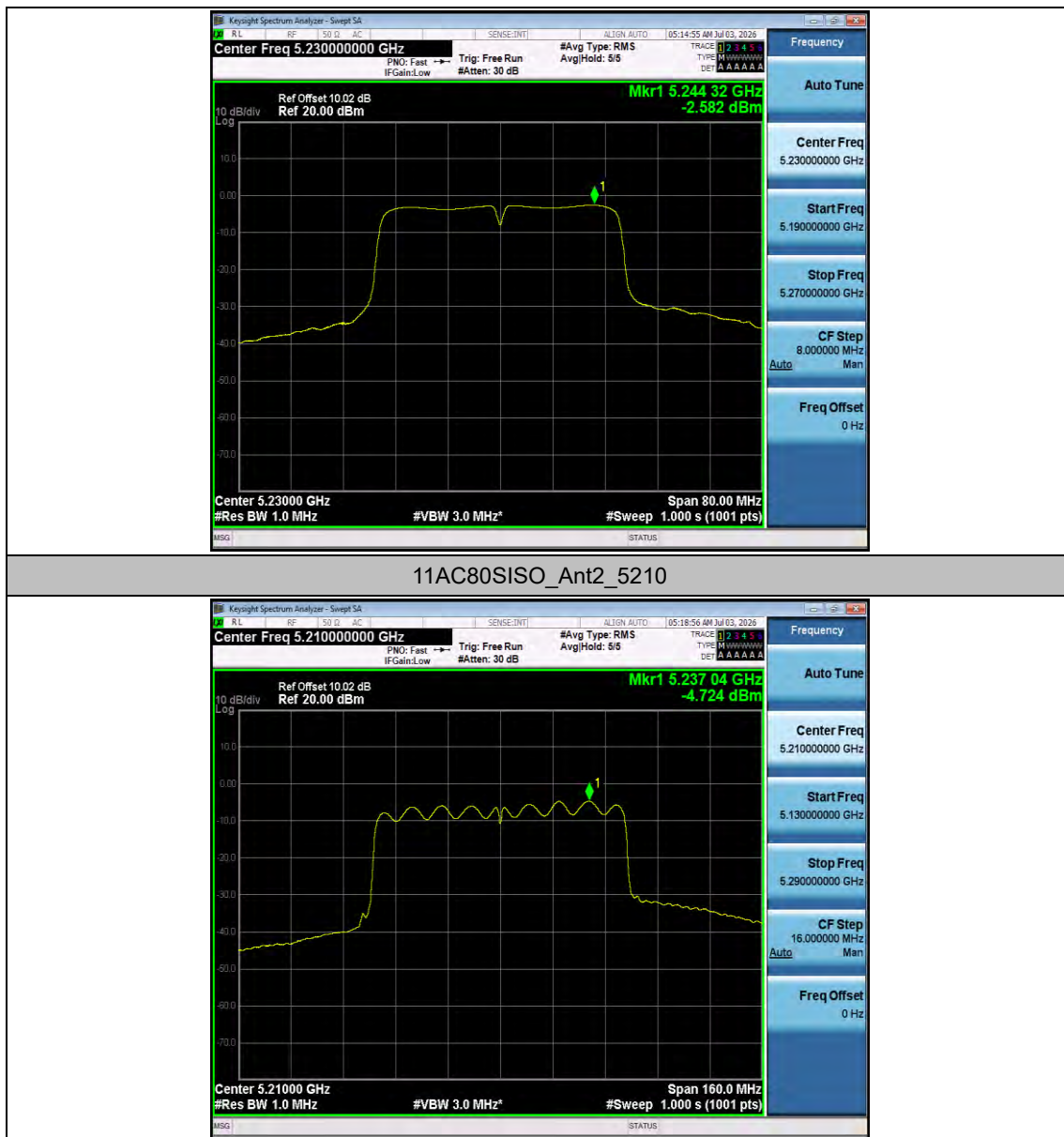
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11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



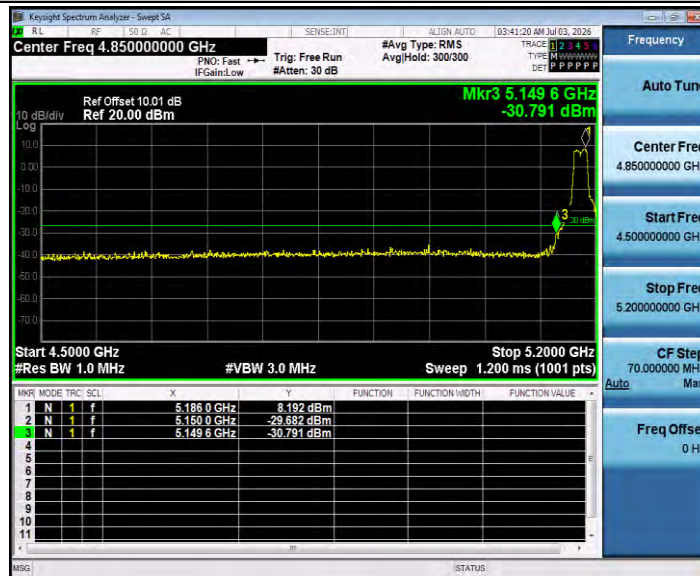
Appendix D.6:Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant2	Low	5180	-30.79	≤ -27	PASS
		High	5240	-37.68	≤ -27	PASS
11N20SISO	Ant2	Low	5180	-31.67	≤ -27	PASS
		High	5240	-37.78	≤ -27	PASS
11N40SISO	Ant2	Low	5190	-27.44	≤ -27	PASS
		High	5230	-37.02	≤ -27	PASS
11AC20SISO	Ant2	Low	5180	-31.79	≤ -27	PASS
		High	5240	-36.33	≤ -27	PASS
11AC40SISO	Ant2	Low	5190	-29.59	≤ -27	PASS
		High	5230	-37.4	≤ -27	PASS
11AC80SISO	Ant2	Low	5210	-27.41	≤ -27	PASS
		High	5210	-37.61	≤ -27	PASS

Test GraphsB1

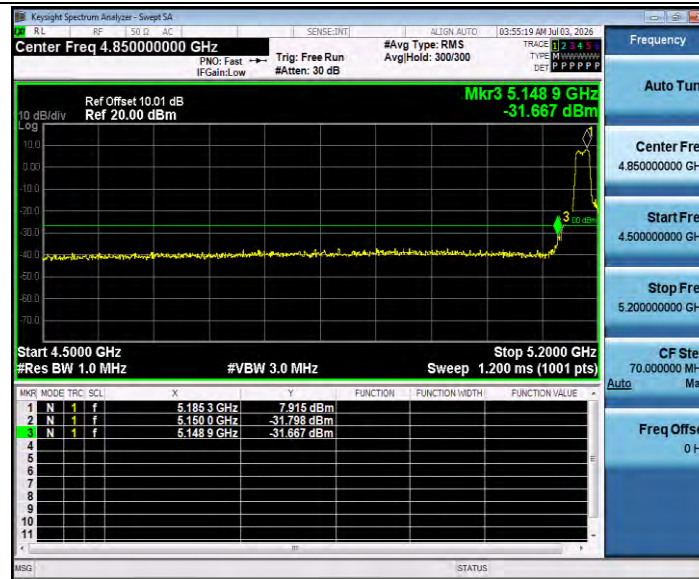
11A_Ant2_Low_5180



11A_Ant2_High_5240



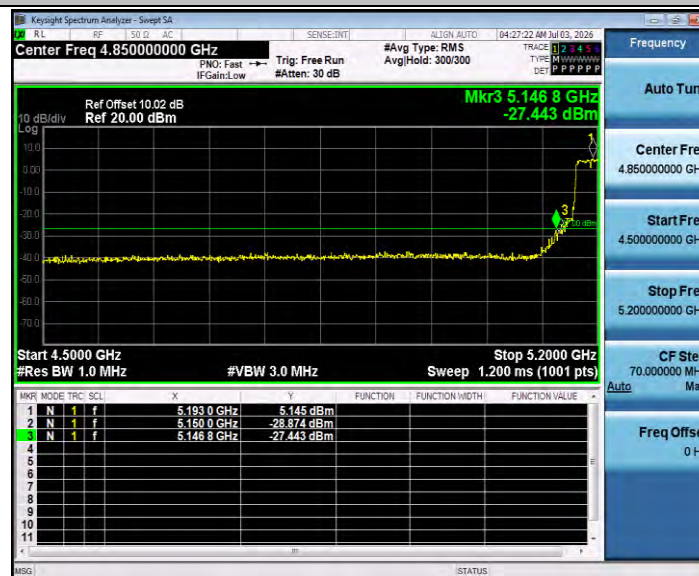
11N20SISO_Ant2_Low_5180



11N20SISO_Ant2_High_5240



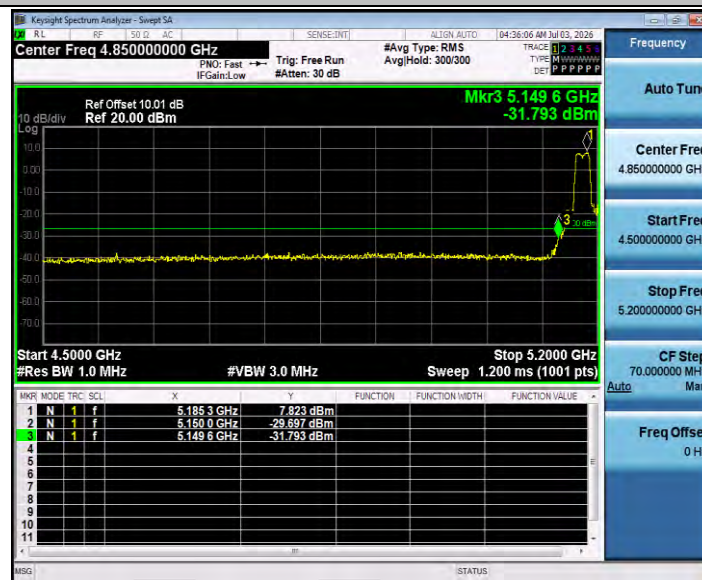
11N40SISO_Ant2_Low_5190



11N40SISO_Ant2_High_5230



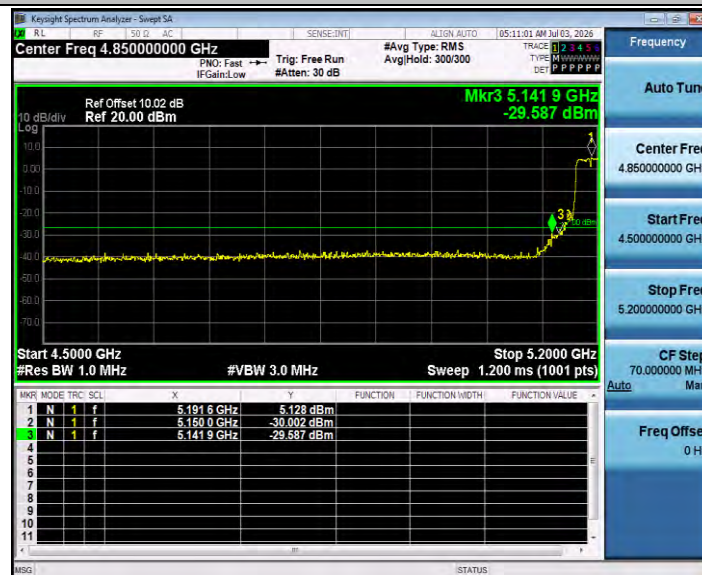
11AC20SISO_Ant2_Low_5180



11AC20SISO_Ant2_High_5240



11AC40SISO_Ant2_Low_5190



11AC40SISO_Ant2_High_5230



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	5139.83	-39.78	≤-27	PASS
			5360~27000	26053.61	-37.25	≤-27	PASS
		5200	30~5140	3311.98	-45.99	≤-27	PASS
			5360~27000	26052.89	-36.91	≤-27	PASS
		5240	30~5140	2670.85	-46.48	≤-27	PASS
			5360~27000	24231.52	-36.93	≤-27	PASS
11N20SISO	Ant2	5180	30~5140	5139.66	-42.86	≤-27	PASS
			5360~27000	26786.49	-37.31	≤-27	PASS
		5200	30~5140	5034.73	-46.22	≤-27	PASS
			5360~27000	26072.37	-36.54	≤-27	PASS
		5240	30~5140	2583.81	-46.3	≤-27	PASS
			5360~27000	24906.69	-36.54	≤-27	PASS
11N40SISO	Ant2	5190	30~5140	5134.89	-35.51	≤-27	PASS
			5360~27000	25603.5	-37.27	≤-27	PASS
		5230	30~5140	4974.78	-44.92	≤-27	PASS
			5360~27000	26570.81	-37.19	≤-27	PASS
11AC20SISO	Ant2	5180	30~5140	5131.48	-42.38	≤-27	PASS
			5360~27000	26488.57	-36.57	≤-27	PASS
		5200	30~5140	3183.72	-46.45	≤-27	PASS
			5360~27000	24245.23	-37.21	≤-27	PASS
		5240	30~5140	2554.85	-46.45	≤-27	PASS
			5360~27000	24312.31	-37.46	≤-27	PASS
11AC40SISO	Ant2	5190	30~5140	5136.25	-34.67	≤-27	PASS
			5360~27000	26040.63	-37.29	≤-27	PASS
		5230	30~5140	2588.24	-46.36	≤-27	PASS
			5360~27000	24124.04	-36.82	≤-27	PASS
11AC80SISO	Ant2	5210	30~5140	5140	-33.21	≤-27	PASS
			5360~27000	25253.65	-37.17	≤-27	PASS

Test Graphs

11A_Ant2_5180_30~5140



11A_Ant2_5180_5360~27000



11A_Ant2_5200_30~5140



11A_Ant2_5200_5360~27000

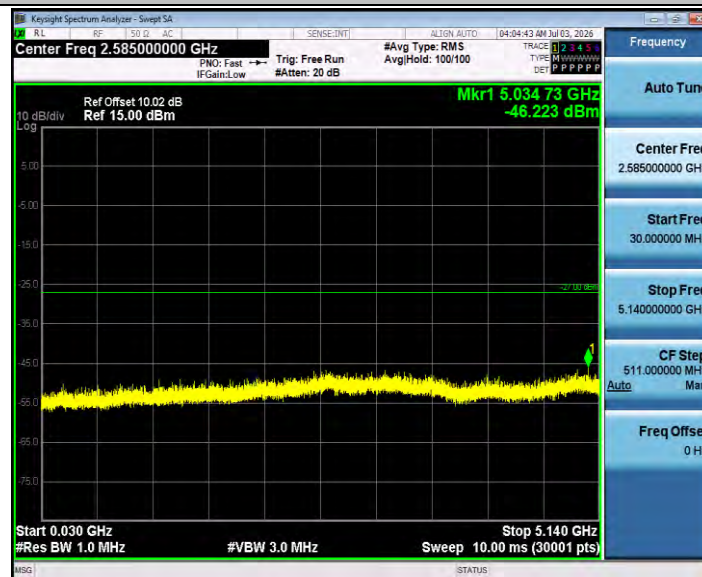


11A_Ant2_5240_30~5140





11N20SISO_Ant2_5200_30~5140



11N20SISO_Ant2_5200_5360~27000



11N20SISO_Ant2_5240_30~5140



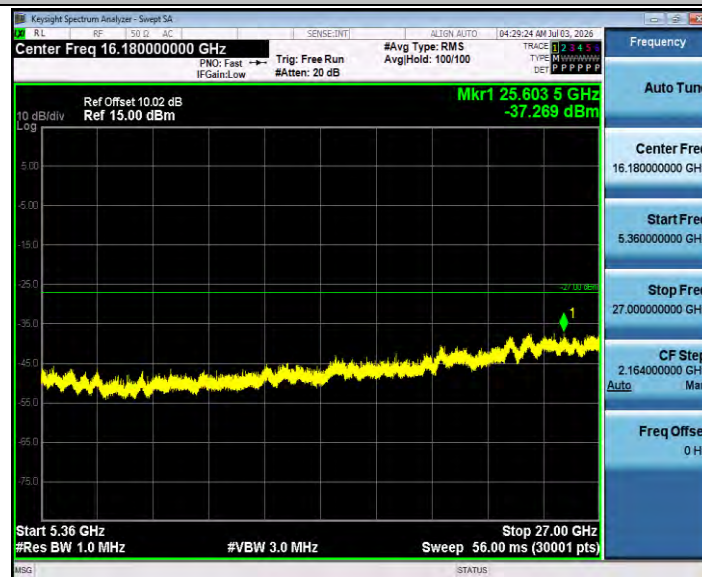
11N20SISO_Ant2_5240_5360~27000



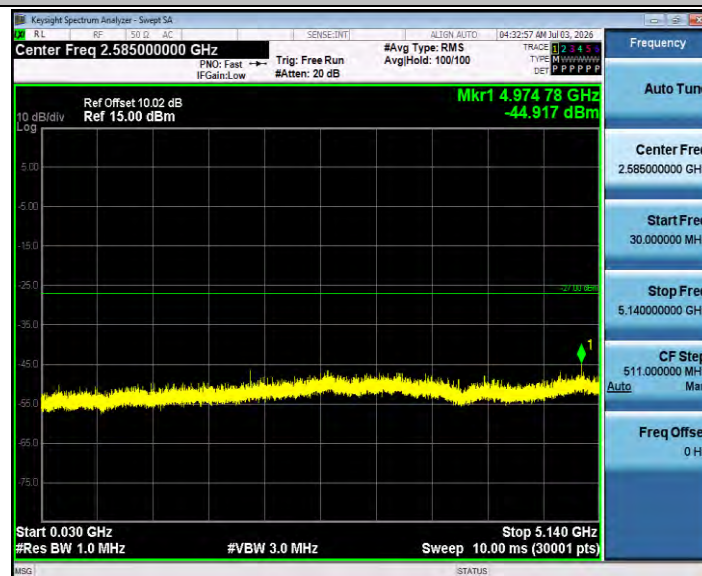
11N40SISO_Ant2_5190_30~5140



11N40SISO_Ant2_5190_5360~27000



11N40SISO_Ant2_5230_30~5140



11N40SISO_Ant2_5230_5360~27000



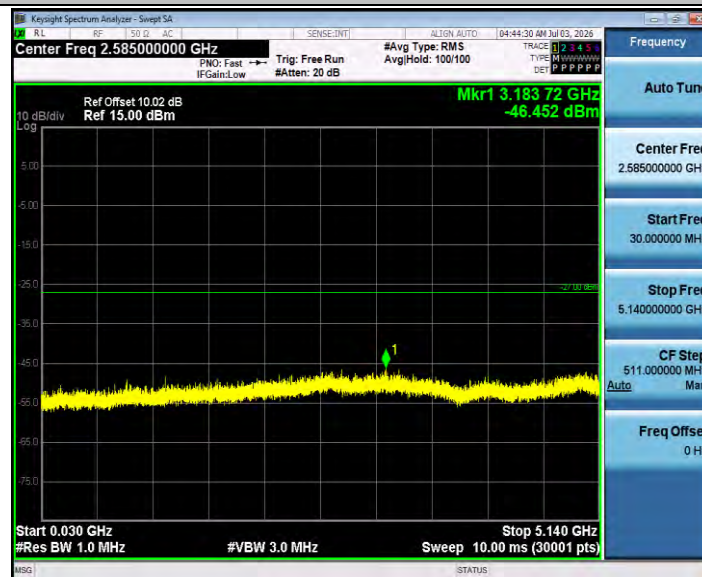
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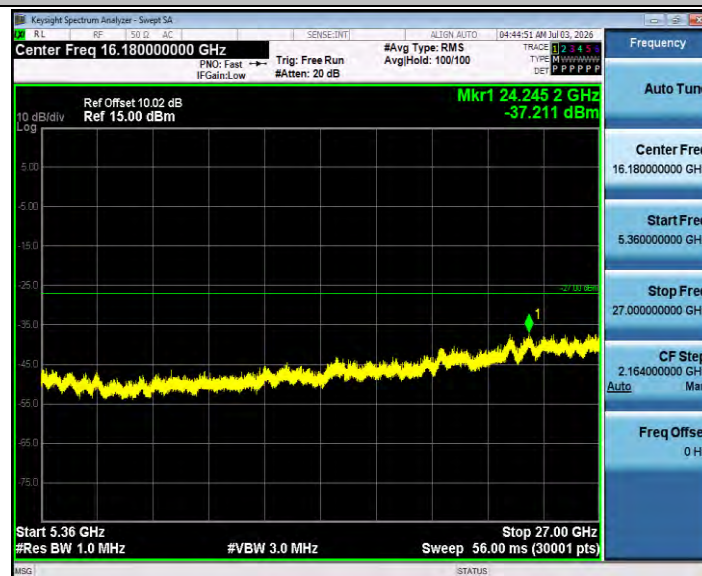
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11AC20SISO_Ant2_5200_30~5140



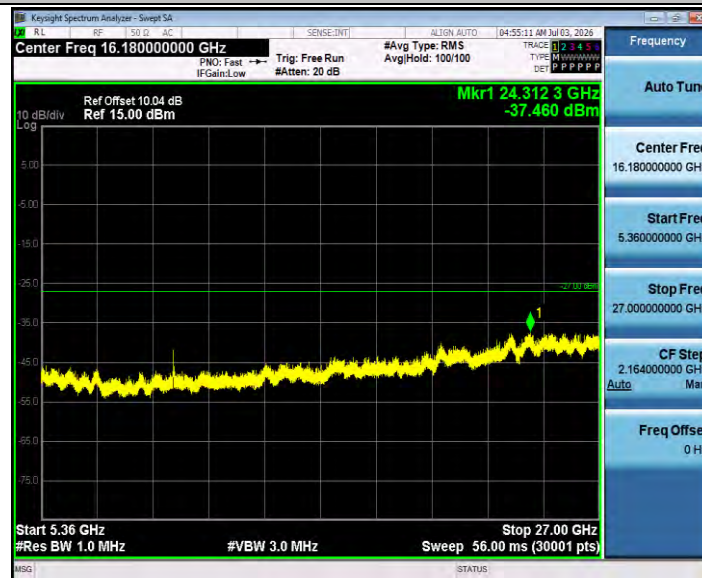
11AC20SISO_Ant2_5200_5360~27000



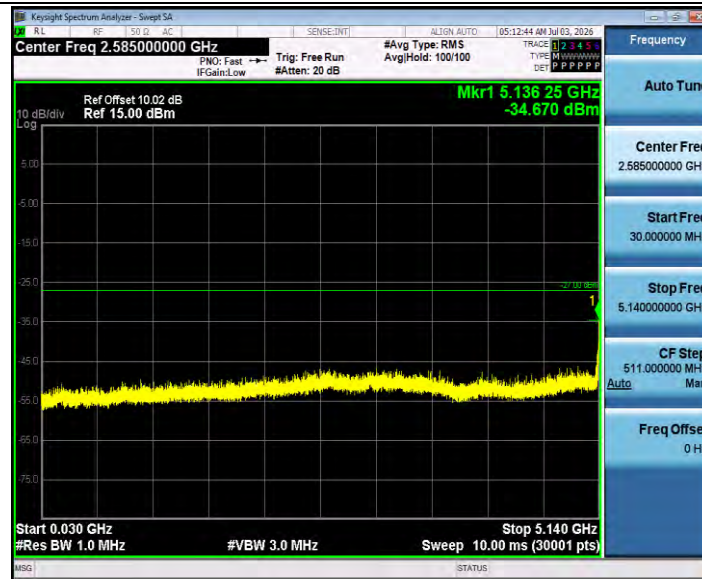
11AC20SISO_Ant2_5240_30~5140



11AC20SISO_Ant2_5240_5360~27000



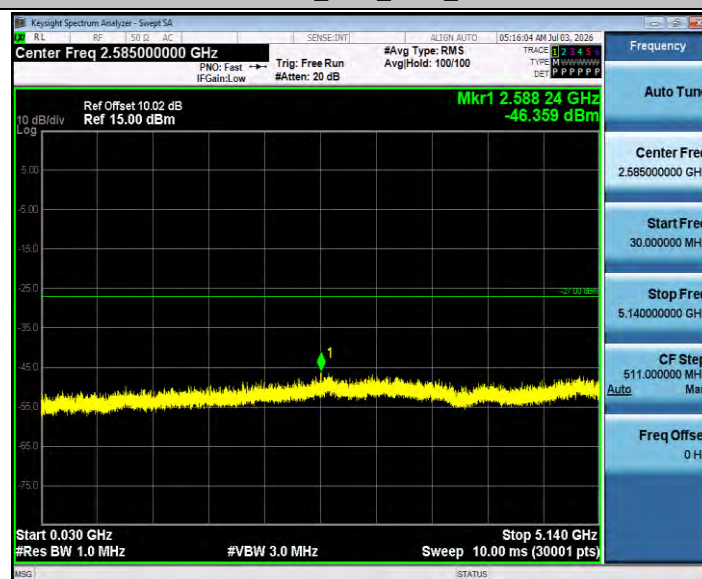
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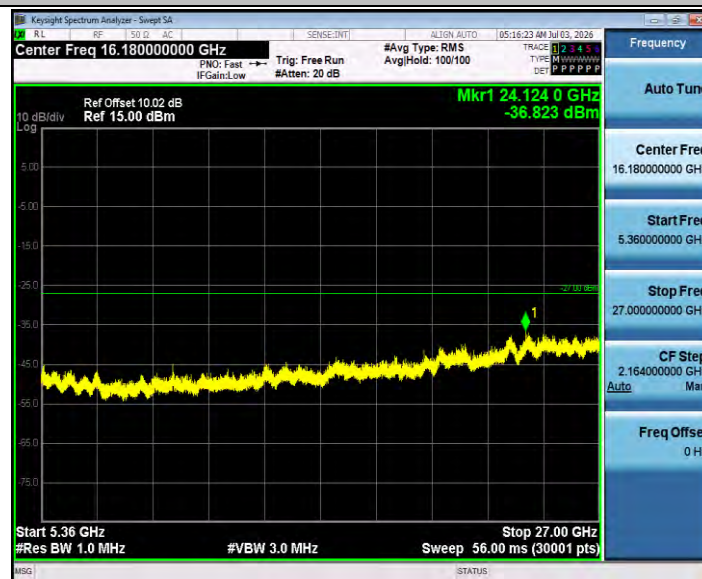
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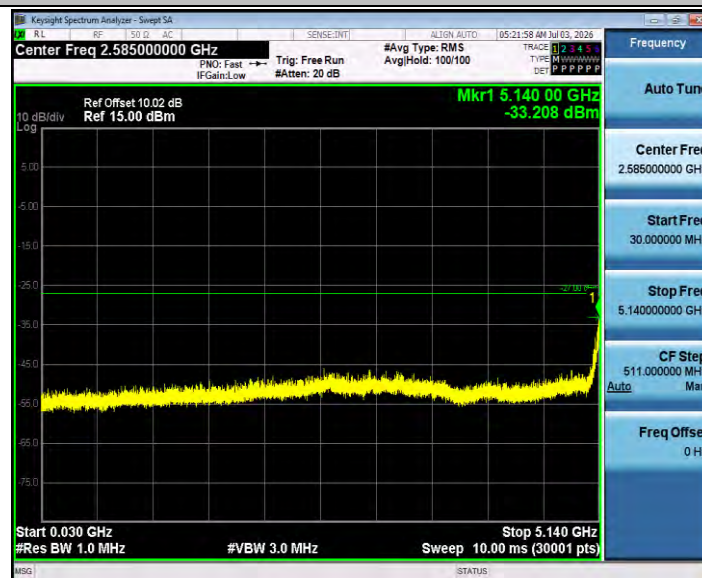
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11AC40SISO_Ant2_5230_5360~27000



11AC80SISO_Ant2_5210_30~5140



11AC80SISO_Ant2_5210_5360~27000

