

Case No. : <u>GTS20260617003-1-04</u>
Ambient Condition: <u>23</u> °C, <u>56</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	Ant1	5180	29.200	5167.080	5196.280	---	---
		5200	29.240	5185.280	5214.520	---	---
		5240	36.520	5222.240	5258.760	---	---
11N20SISO	Ant1	5180	25.360	5167.280	5192.640	---	---
		5200	30.920	5185.280	5216.200	---	---
		5240	36.480	5222.280	5258.760	---	---
11N40SISO	Ant1	5190	56.880	5169.200	5226.080	---	---
		5230	76.320	5193.600	5269.920	---	---
11AC20SISO	Ant1	5180	22.240	5169.000	5191.240	---	---
		5200	26.120	5188.960	5215.080	---	---
		5240	38.600	5221.400	5260.000	---	---
11AC40SISO	Ant1	5190	47.840	5169.120	5216.960	---	---
		5230	75.200	5193.760	5268.960	---	---
11AC80SISO	Ant1	5210	120.160	5169.200	5289.360	---	---

Test Graphs

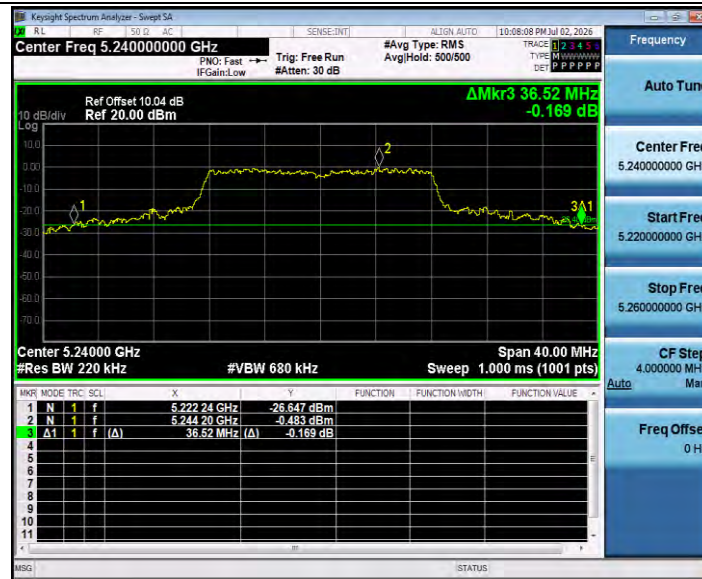
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



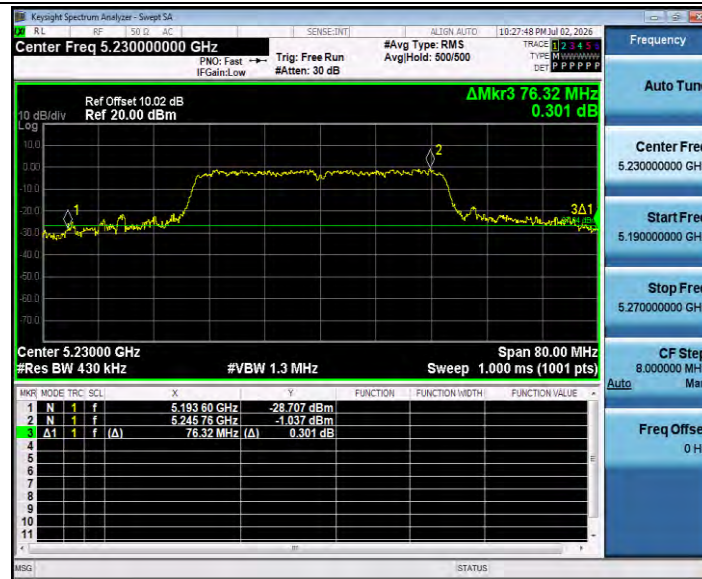
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



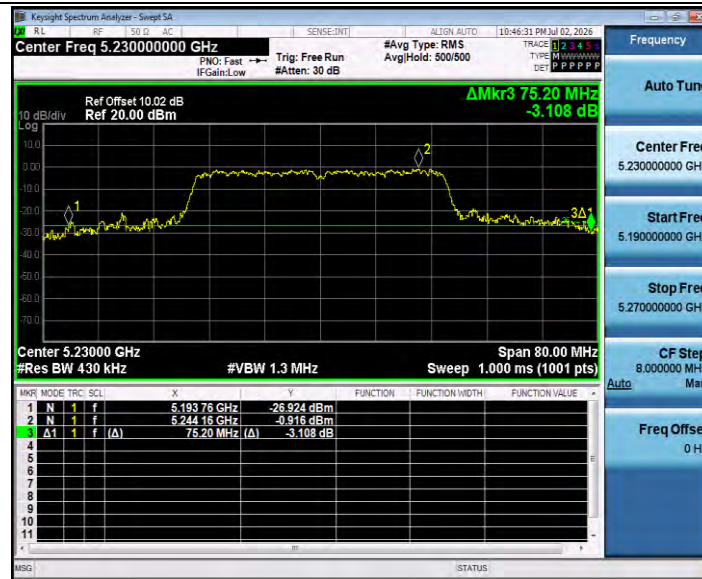
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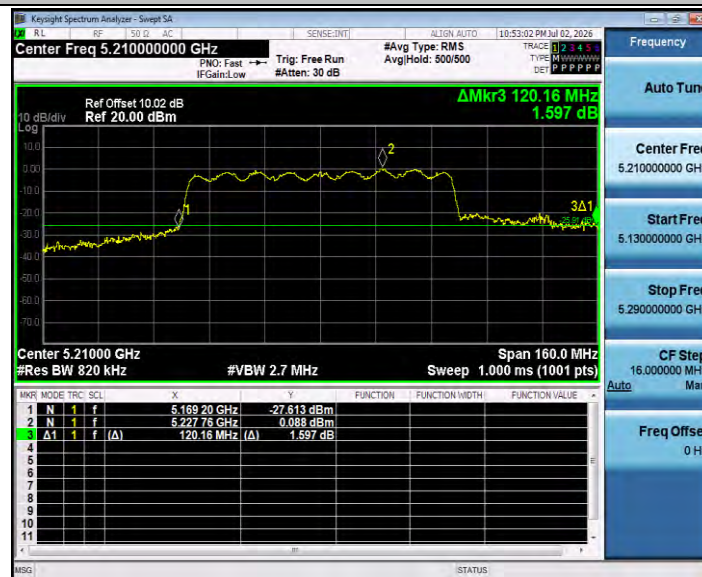
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11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

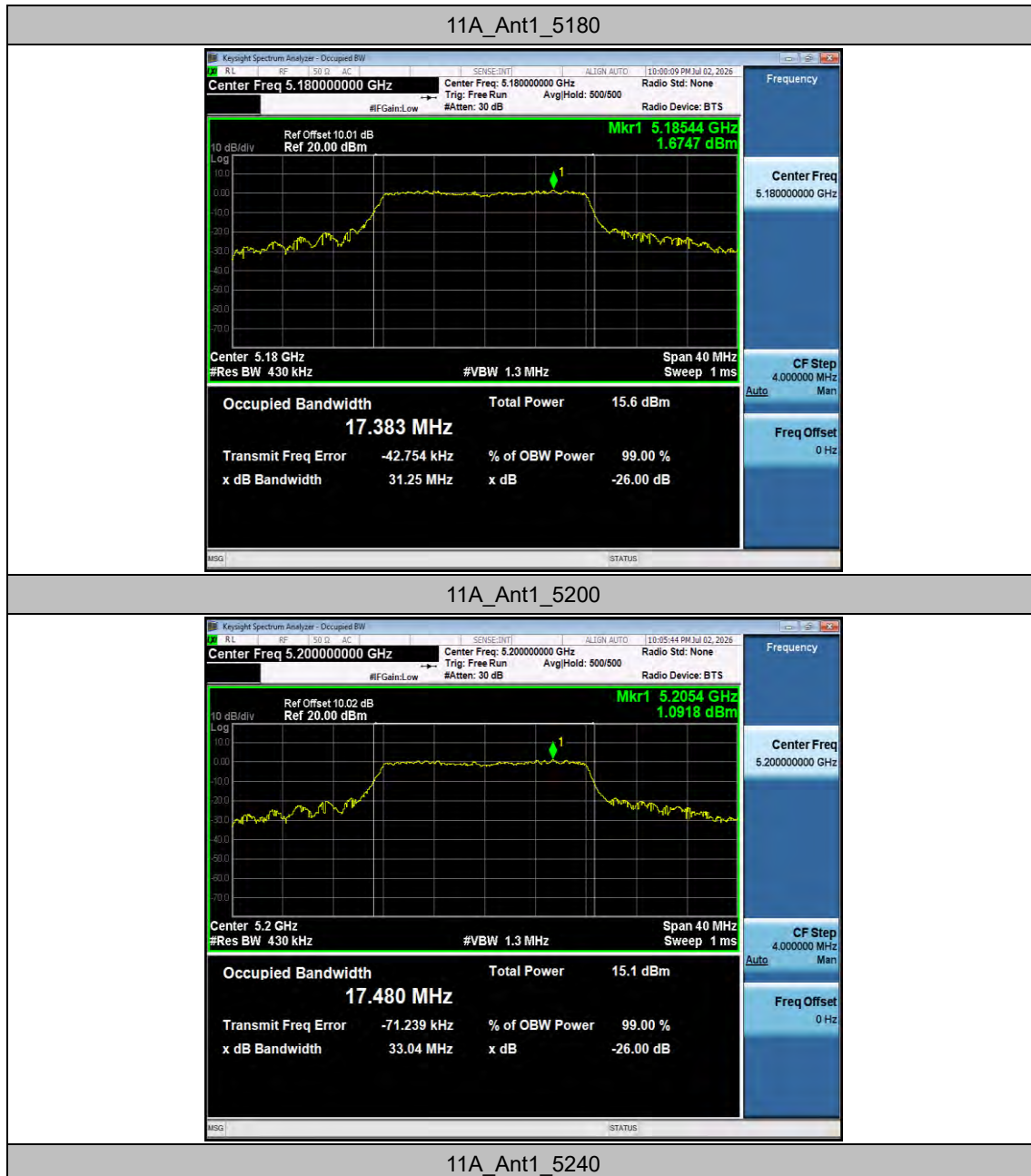


Appendix D.2: Occupied channel bandwidth

Test Result

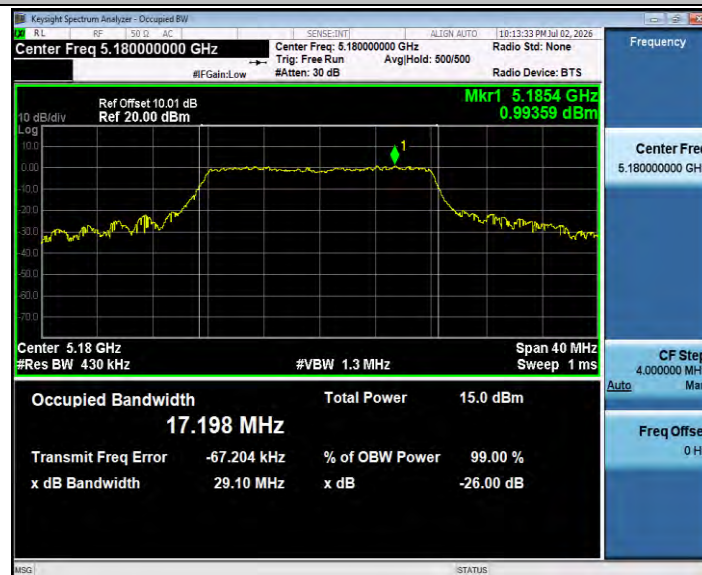
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.383	5171.2658	5188.6488	---	---
		5200	17.480	5191.1888	5208.6688	---	---
		5240	22.389	5229.3094	5251.6984	---	---
11N20SISO	Ant1	5180	17.198	5171.3338	5188.5318	---	---
		5200	17.531	5191.1846	5208.7156	---	---
		5240	21.634	5229.6215	5251.2555	---	---
11N40SISO	Ant1	5190	36.792	5171.7449	5208.5369	---	---
		5230	38.349	5211.3951	5249.7441	---	---
11AC20SISO	Ant1	5180	17.996	5170.9877	5188.9837	---	---
		5200	18.154	5190.9328	5209.0868	---	---
		5240	21.338	5230.2342	5251.5722	---	---
11AC40SISO	Ant1	5190	36.771	5171.7709	5208.5419	---	---
		5230	38.319	5211.3867	5249.7057	---	---
11AC80SISO	Ant1	5210	77.384	5172.2727	5249.6567	---	---

Test Graphs





11N20SISO_Ant1_5180



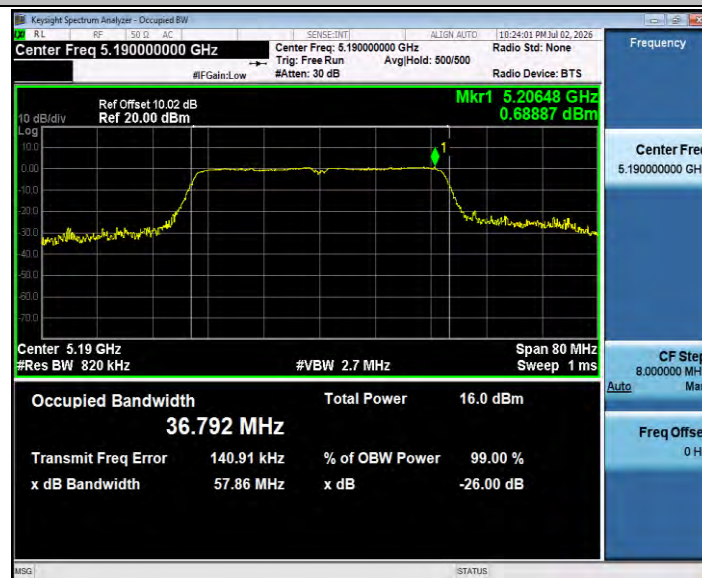
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11N20SISO_Ant1_5240



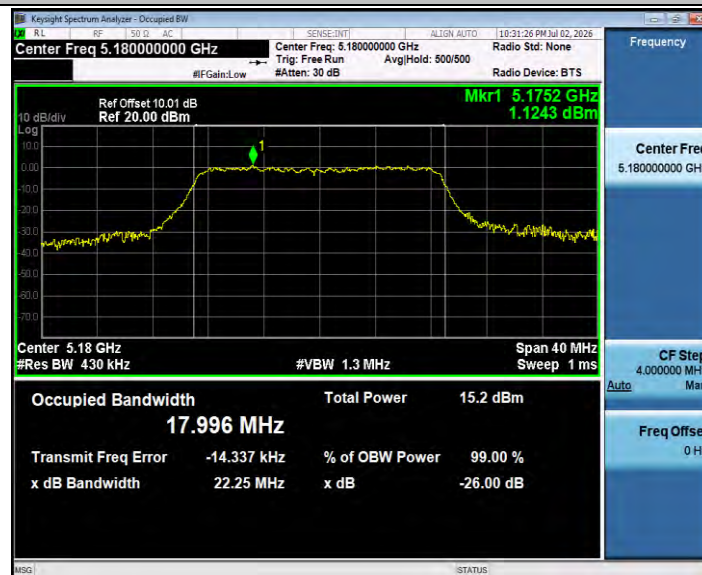
11N40SISO_Ant1_5190



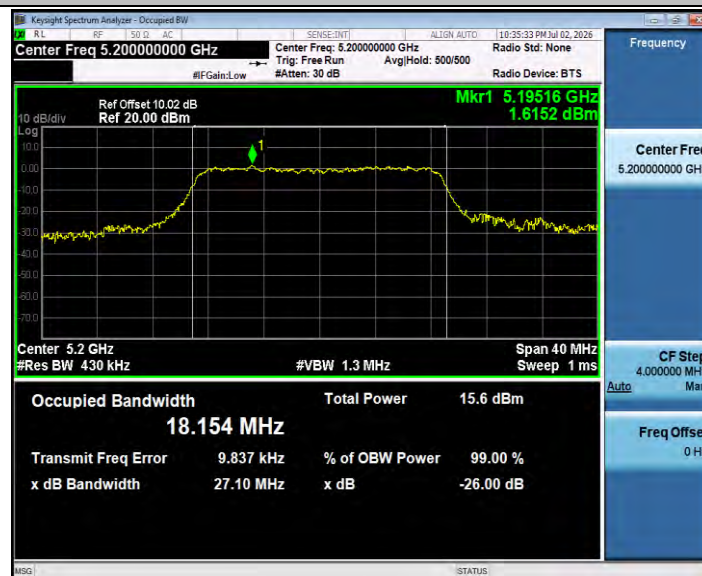
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



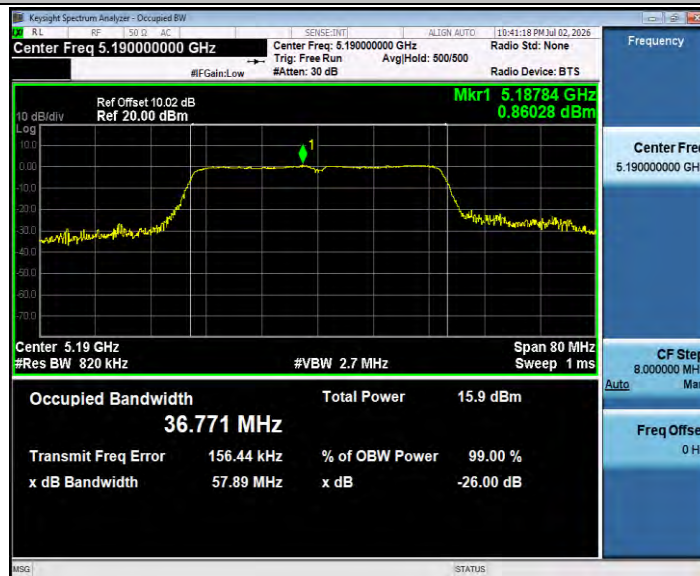
11AC20SISO_Ant1_5200



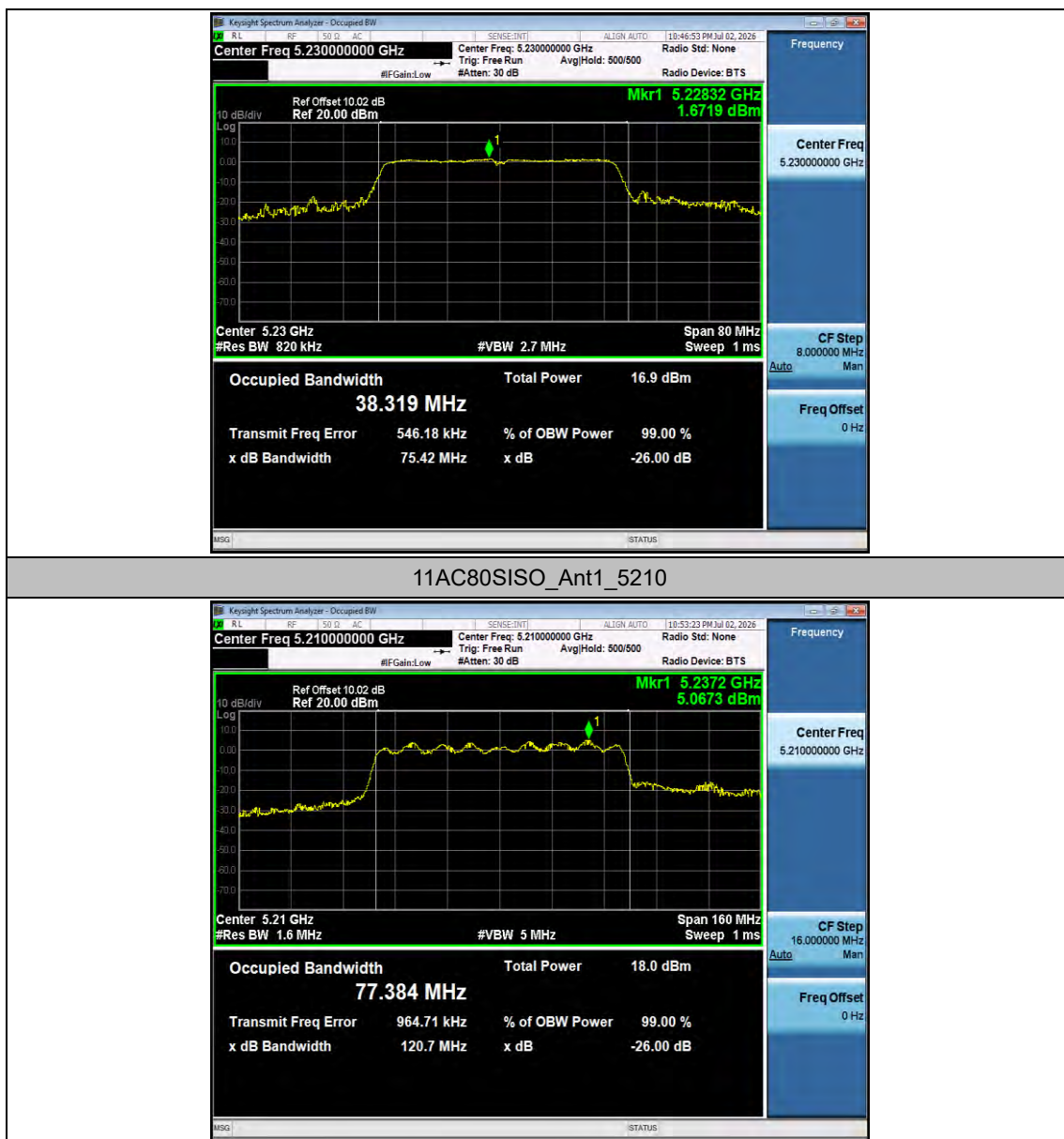
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

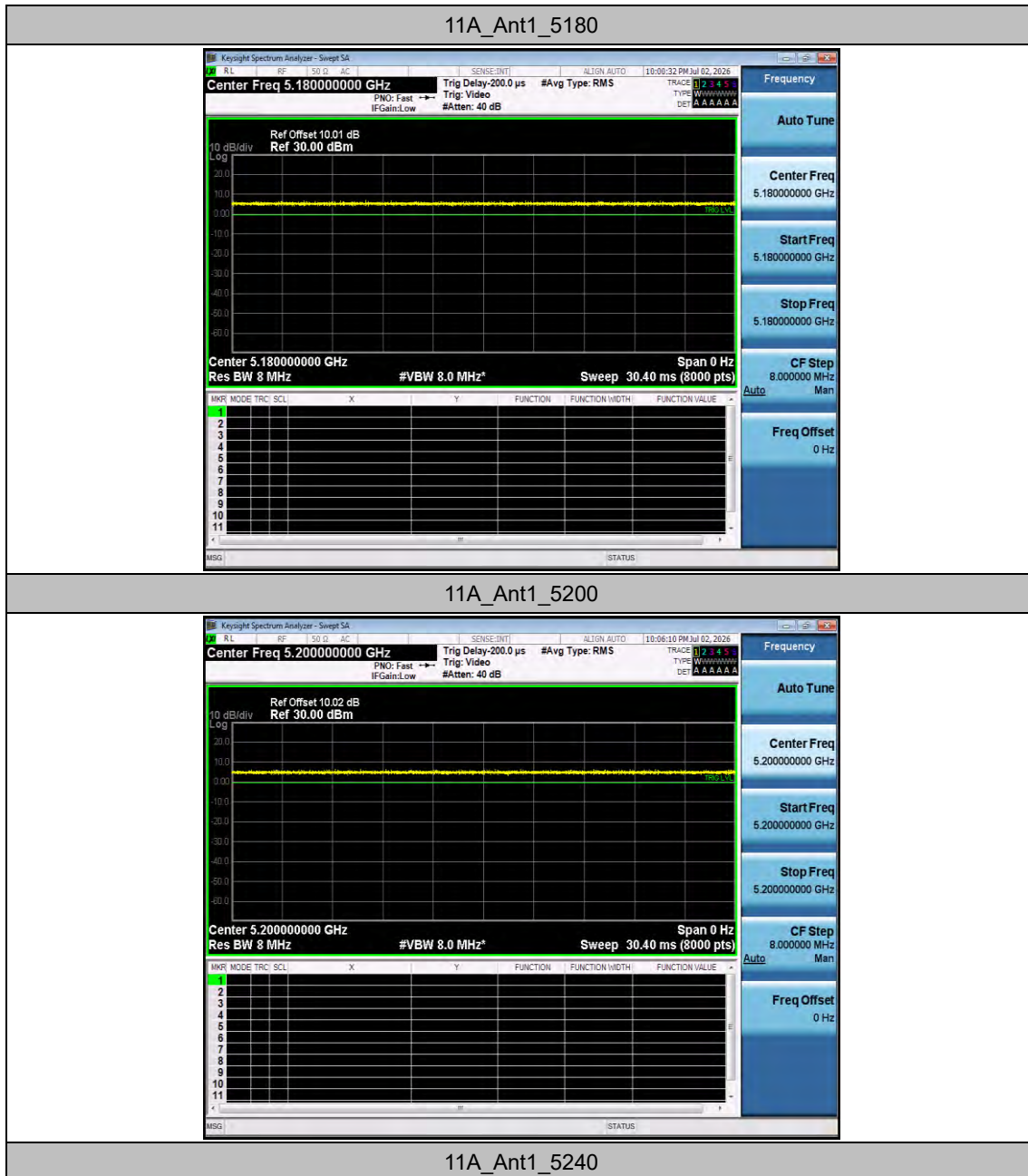


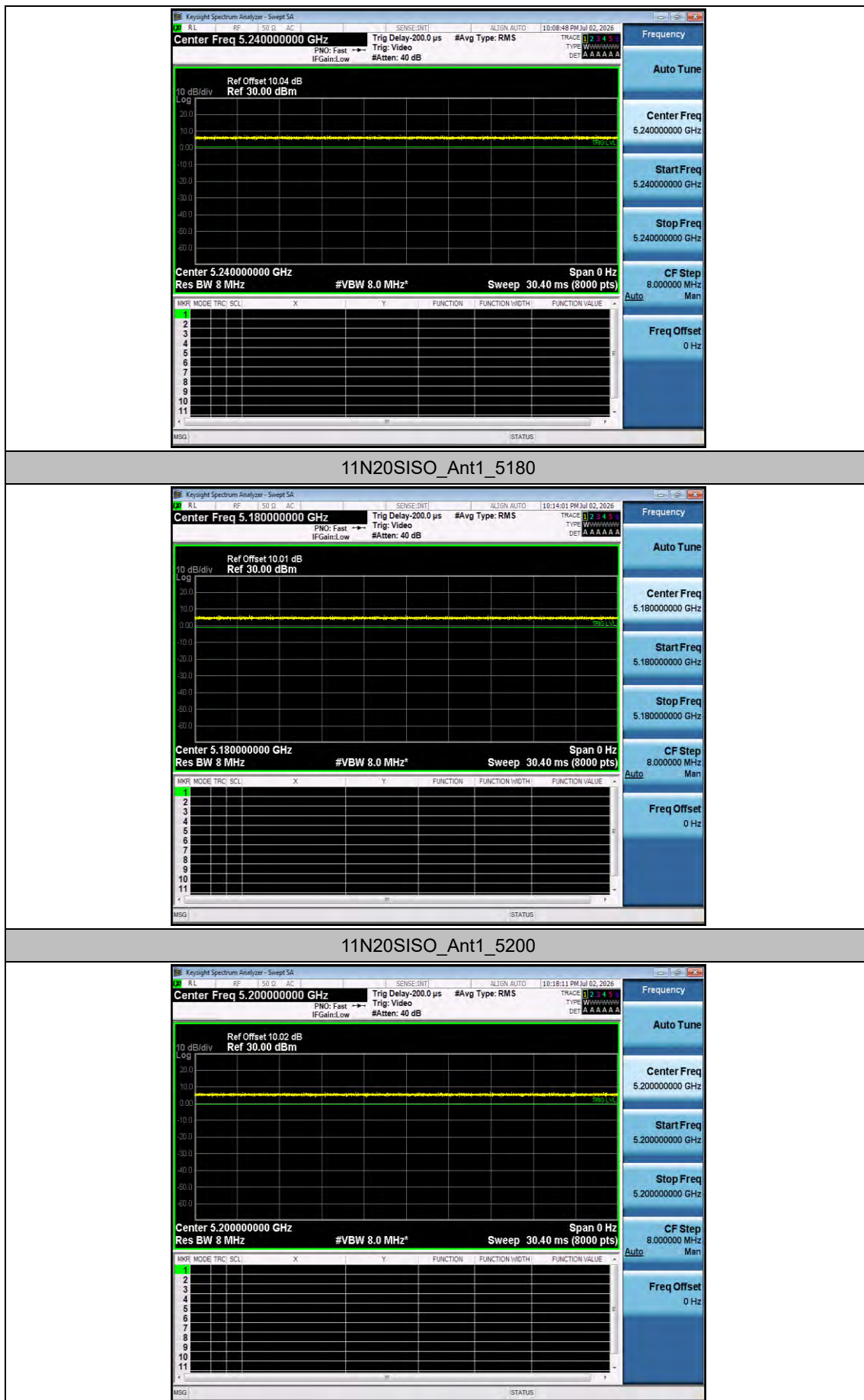
AppendixD.3: Duty Cycle

Test Result

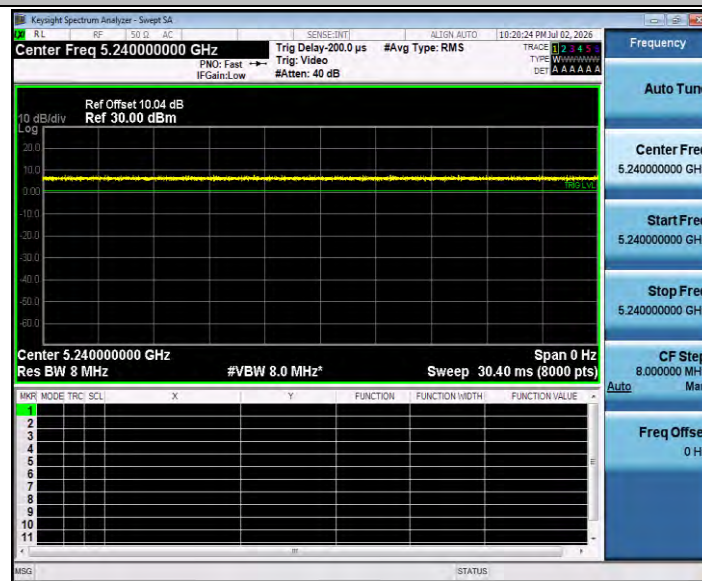
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200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

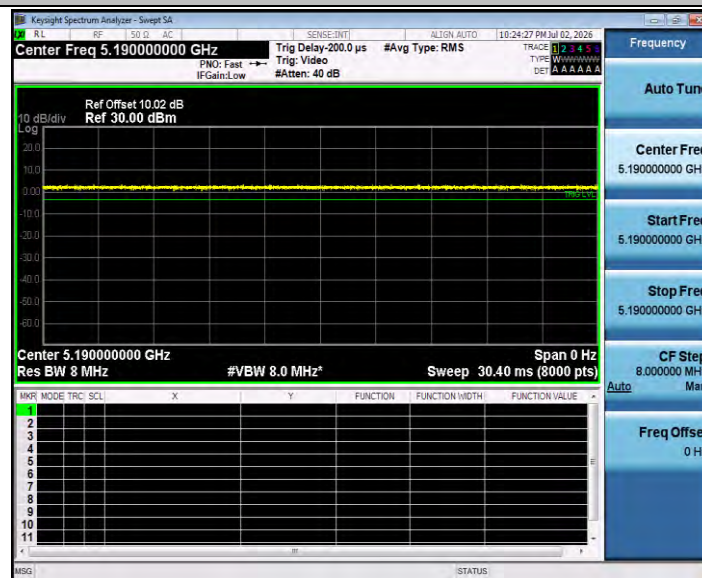




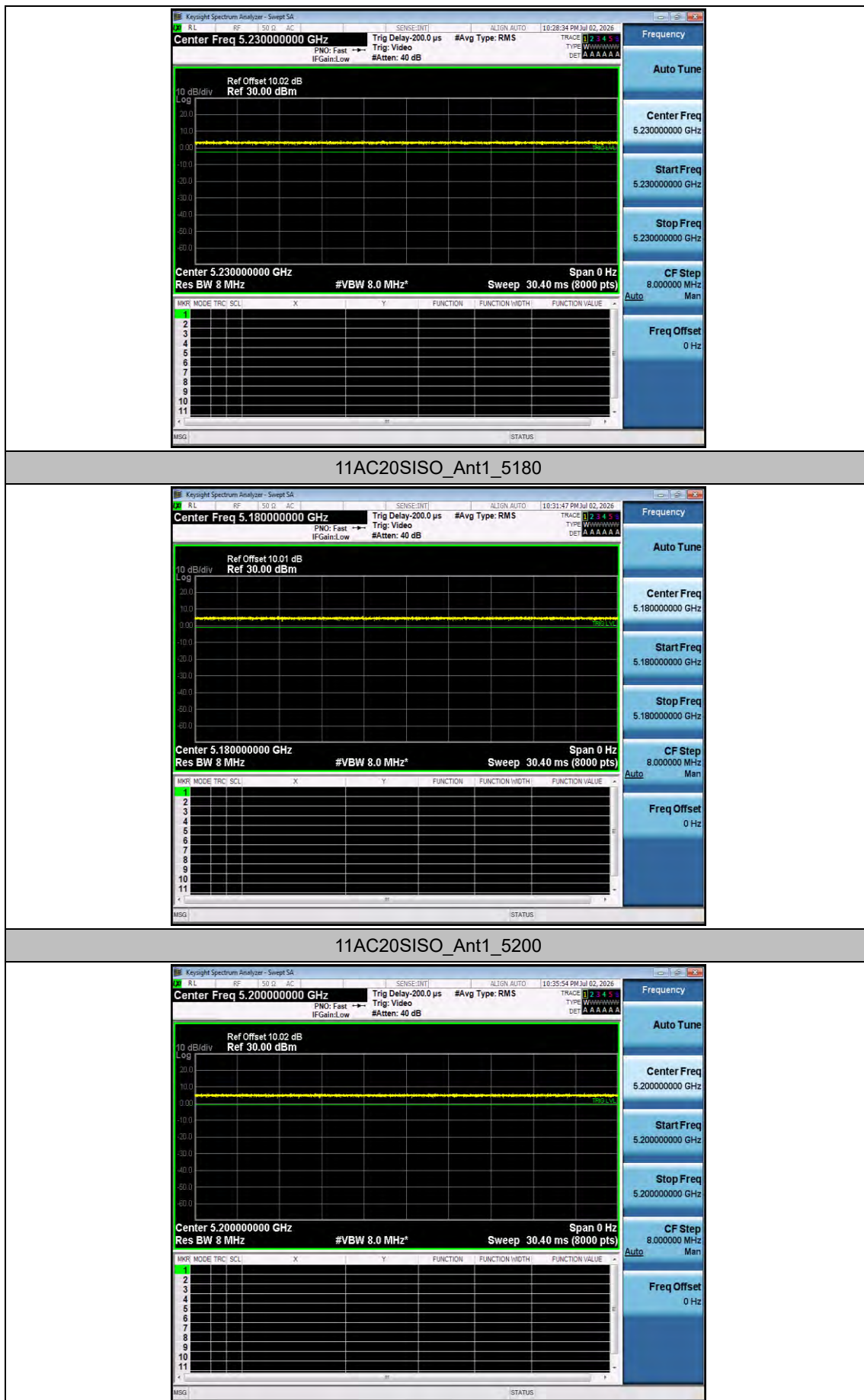
11N20SISO_Ant1_5240

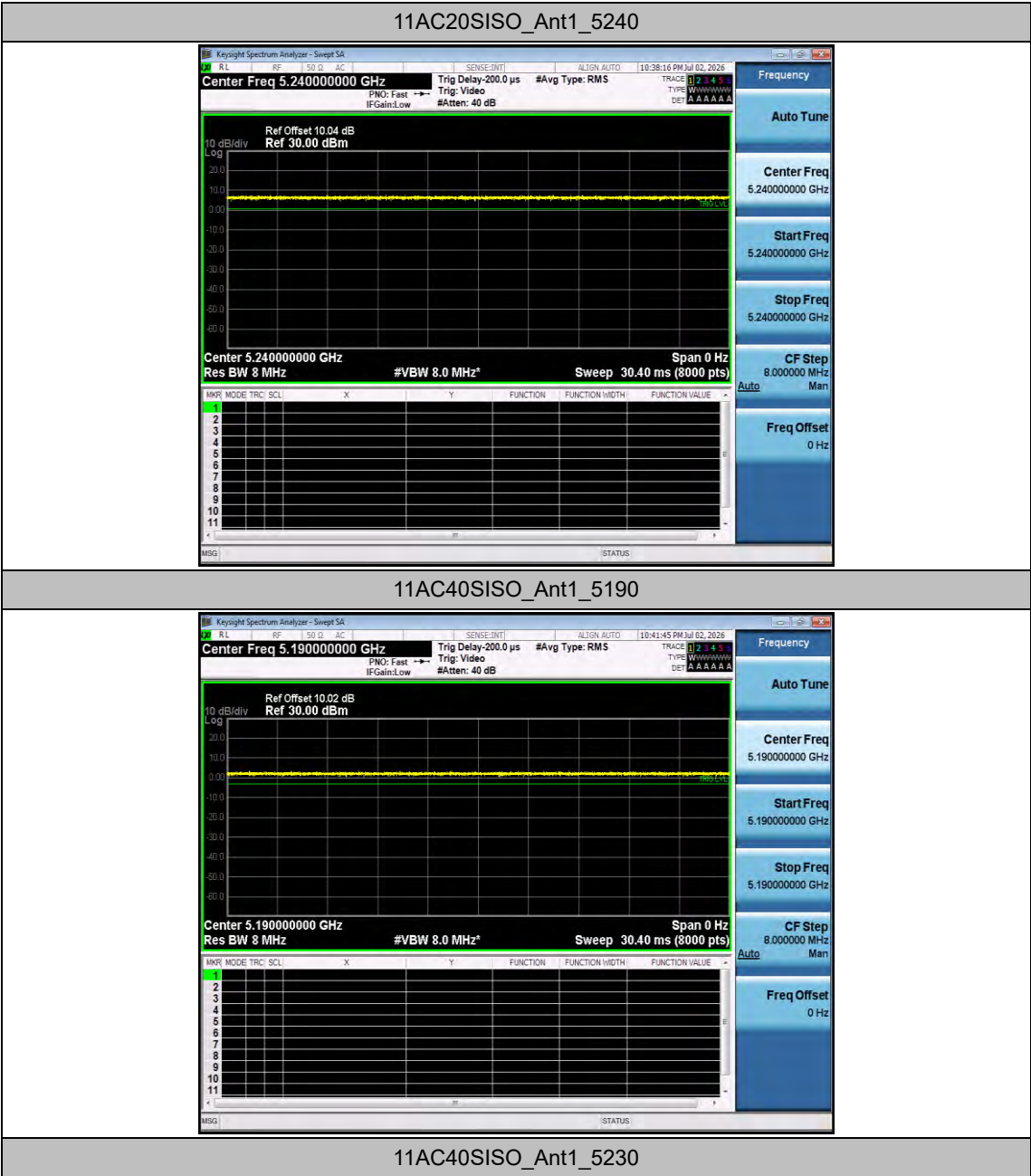


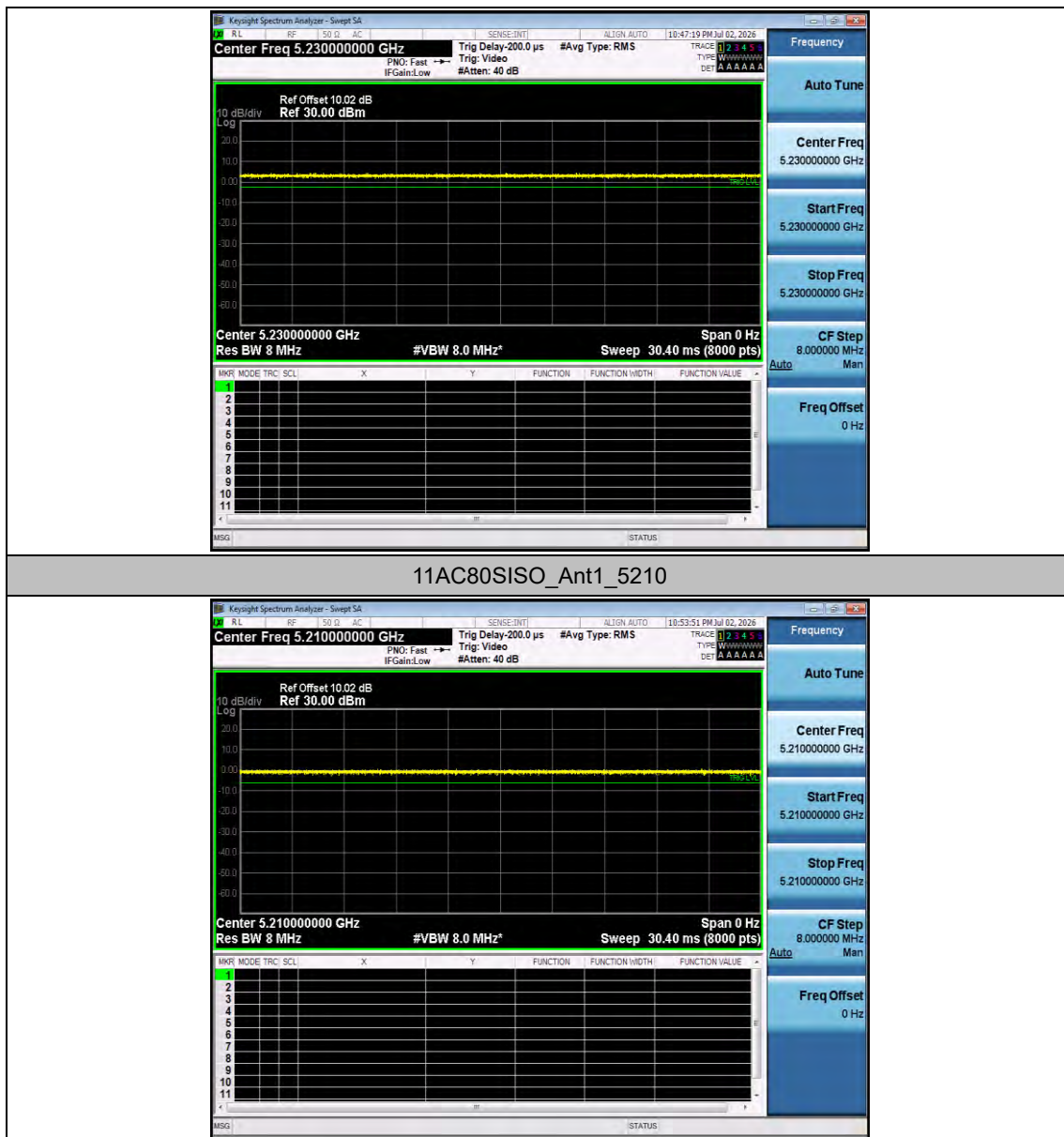
11N40SISO_Ant1_5190



11N40SISO_Ant1_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	Ant1	5180	9.03	100.00	0.00	9.03	≤23.98	PASS
		5200	8.61	100.00	0.00	8.61	≤23.98	PASS
		5240	9.85	100.00	0.00	9.85	≤23.98	PASS
11N20SISO	Ant1	5180	8.51	100.00	0.00	8.51	≤23.98	PASS
		5200	9.13	100.00	0.00	9.13	≤23.98	PASS
		5240	9.86	100.00	0.00	9.86	≤23.98	PASS
11N40SISO	Ant1	5190	8.75	100.00	0.00	8.75	≤23.98	PASS
		5230	9.62	100.00	0.00	9.62	≤23.98	PASS
11AC20SISO	Ant1	5180	8.51	100.00	0.00	8.51	≤23.98	PASS
		5200	8.94	100.00	0.00	8.94	≤23.98	PASS
		5240	10.15	100.00	0.00	10.15	≤23.98	PASS
11AC40SISO	Ant1	5190	8.72	100.00	0.00	8.72	≤23.98	PASS
		5230	9.62	100.00	0.00	9.62	≤23.98	PASS
11AC80SISO	Ant1	5210	9.15	100.00	0.00	9.15	≤23.98	PASS

DC 11.4V by battery

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.44	100.00	0.00	8.44	≤23.98	PASS
		5200	8.44	100.00	0.00	8.44	≤23.98	PASS
		5240	8.88	100.00	0.00	8.88	≤23.98	PASS
11N20SISO	Ant1	5180	8.12	100.00	0.00	8.12	≤23.98	PASS
		5200	8.94	100.00	0.00	8.94	≤23.98	PASS
		5240	8.37	100.00	0.00	8.37	≤23.98	PASS
11N40SISO	Ant1	5190	8.07	100.00	0.00	8.07	≤23.98	PASS
		5230	8.97	100.00	0.00	8.97	≤23.98	PASS
11AC20SISO	Ant1	5180	8.30	100.00	0.00	8.30	≤23.98	PASS
		5200	8.64	100.00	0.00	8.64	≤23.98	PASS
		5240	9.75	100.00	0.00	9.75	≤23.98	PASS
11AC40SISO	Ant1	5190	8.27	100.00	0.00	8.27	≤23.98	PASS
		5230	8.08	100.00	0.00	8.08	≤23.98	PASS
11AC80SISO	Ant1	5210	8.69	100.00	0.00	8.69	≤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	-2.60	≤11.00	PASS
		5200	-2.98	≤11.00	PASS
		5240	-1.91	≤11.00	PASS
11N20SISO	Ant1	5180	-3.12	≤11.00	PASS
		5200	-2.44	≤11.00	PASS
		5240	-1.80	≤11.00	PASS
11N40SISO	Ant1	5190	-5.86	≤11.00	PASS
		5230	-5.18	≤11.00	PASS
11AC20SISO	Ant1	5180	-3.25	≤11.00	PASS
		5200	-2.83	≤11.00	PASS
		5240	-1.72	≤11.00	PASS
11AC40SISO	Ant1	5190	-5.90	≤11.00	PASS
		5230	-5.21	≤11.00	PASS
11AC80SISO	Ant1	5210	-7.11	≤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



11AC80SISO_Ant1_5210



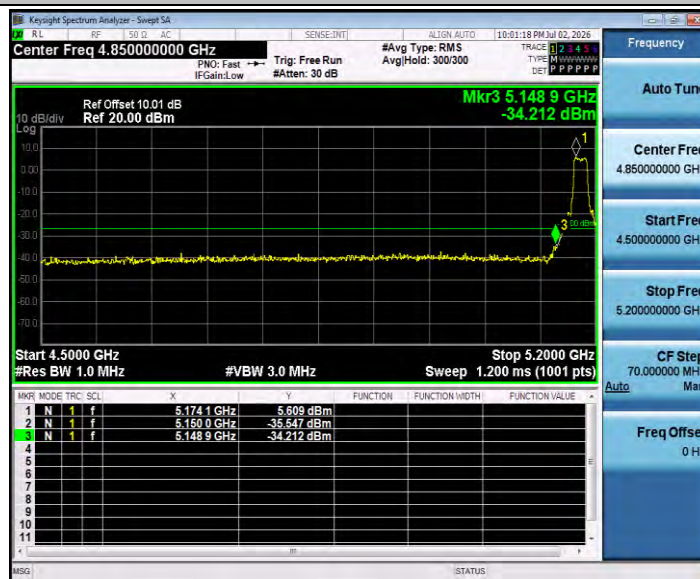
Appendix D.6:Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-34.21	≤ -27	PASS
		High	5240	-37.67	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-34.72	≤ -27	PASS
		High	5240	-37.31	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-33.44	≤ -27	PASS
		High	5230	-37.08	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-34.92	≤ -27	PASS
		High	5240	-36.98	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-30.58	≤ -27	PASS
		High	5230	-37.28	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-30.79	≤ -27	PASS
		High	5210	-36.82	≤ -27	PASS

Test GraphsB1

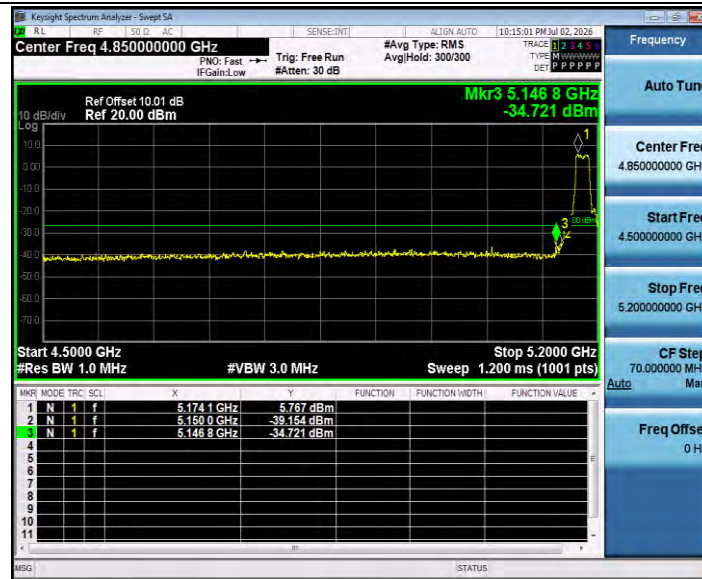
11A_Ant1_Low_5180



11A_Ant1_High_5240



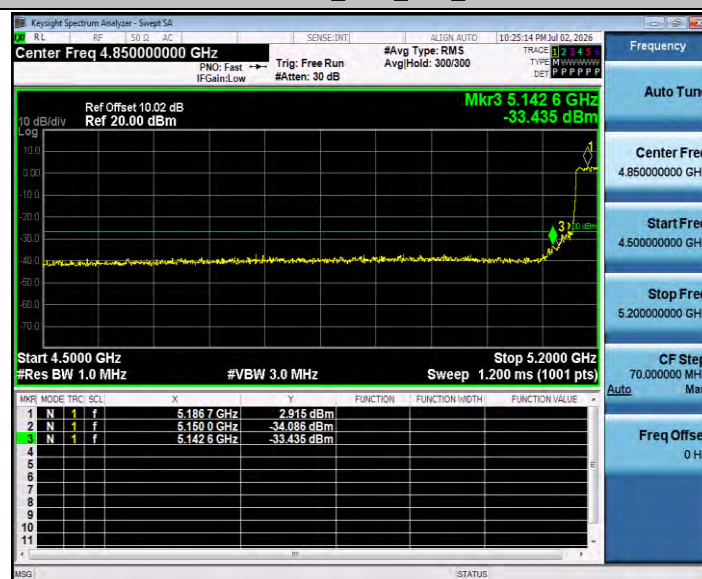
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



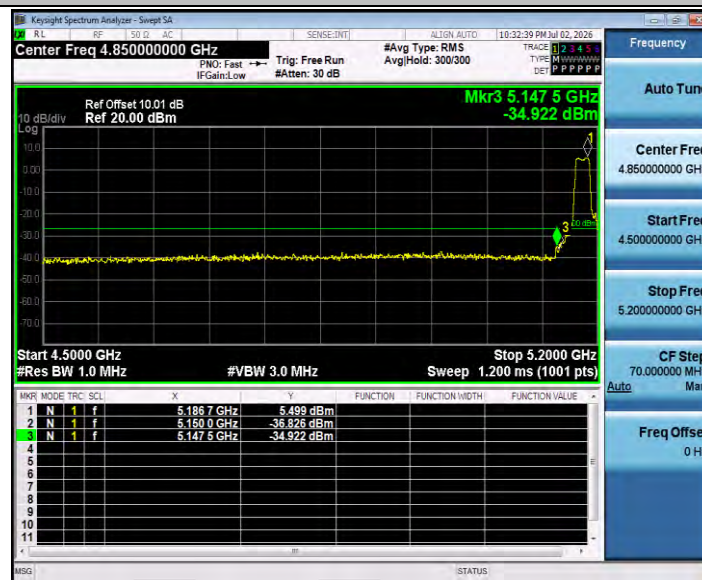
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



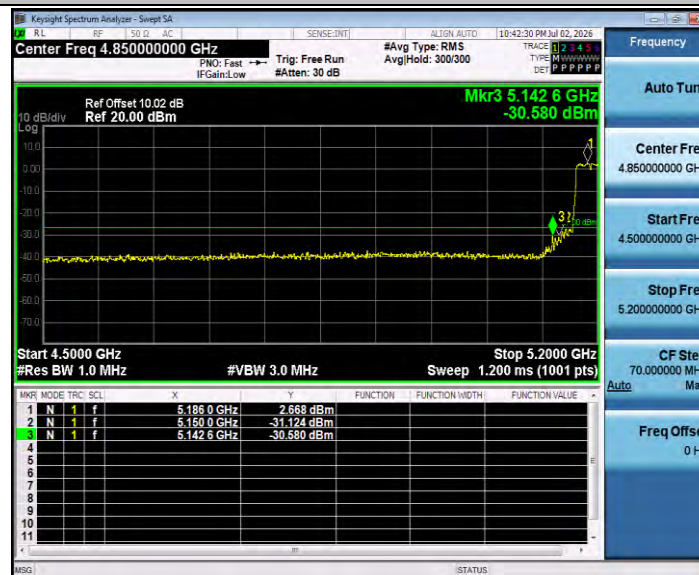
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_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	Ant1	5180	30~5140	5136.59	-45.91	≤-27	PASS
			5360~27000	24292.11	-37.85	≤-27	PASS
		5200	30~5140	4994.19	-45.74	≤-27	PASS
			5360~27000	23526.06	-37.36	≤-27	PASS
		5240	30~5140	5001.35	-46.17	≤-27	PASS
			5360~27000	25137.52	-37.8	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3157.15	-46.28	≤-27	PASS
			5360~27000	26816.06	-36.76	≤-27	PASS
		5200	30~5140	3044.22	-46.37	≤-27	PASS
			5360~27000	25198.11	-37.13	≤-27	PASS
		5240	30~5140	3248.28	-45.8	≤-27	PASS
			5360~27000	24231.52	-37.1	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5135.4	-37.46	≤-27	PASS
			5360~27000	23515.96	-37.05	≤-27	PASS
		5230	30~5140	5137.45	-44.11	≤-27	PASS
			5360~27000	24237.29	-37.04	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	2542.08	-46.38	≤-27	PASS
			5360~27000	25059.61	-37.52	≤-27	PASS
		5200	30~5140	3083.57	-46.71	≤-27	PASS
			5360~27000	23647.24	-37.37	≤-27	PASS
		5240	30~5140	2690.78	-46.05	≤-27	PASS
			5360~27000	23544.09	-37.67	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5137.27	-35.43	≤-27	PASS
			5360~27000	26503.72	-36.45	≤-27	PASS
		5230	30~5140	5139.15	-45.96	≤-27	PASS
			5360~27000	24231.52	-37.16	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5136.25	-33.45	≤-27	PASS
			5360~27000	25184.4	-37.36	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~27000



11A_Ant1_5200_30~5140



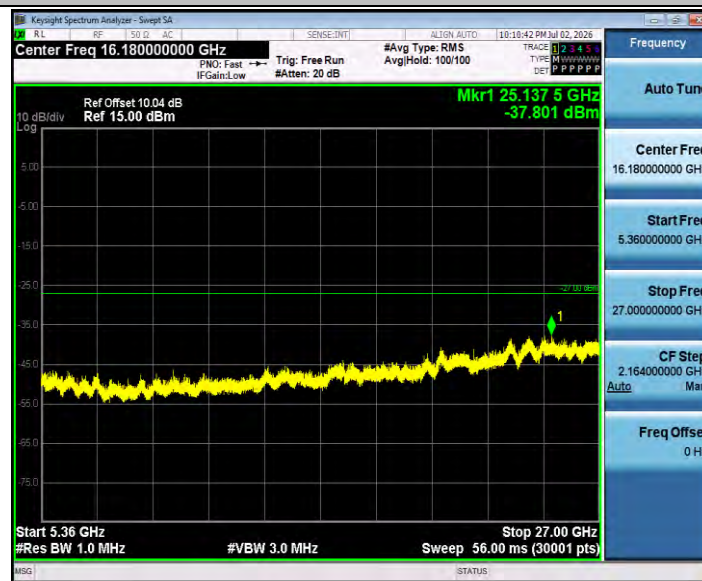
11A_Ant1_5200_5360~27000



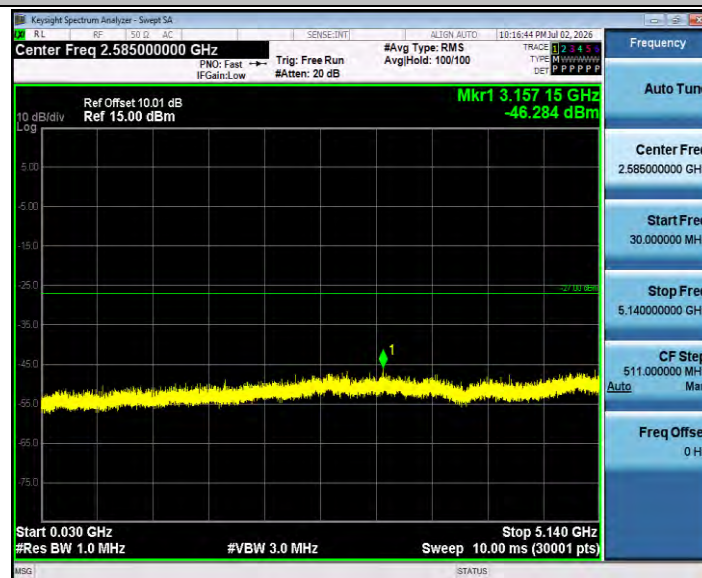
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~27000



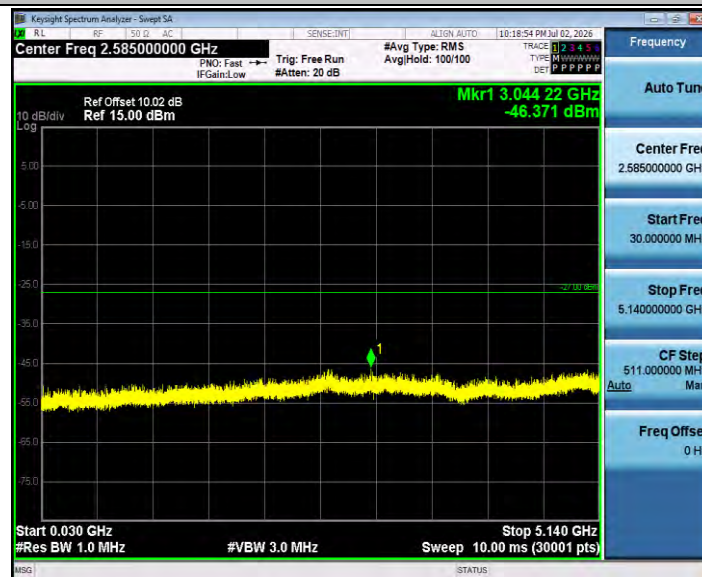
11N20SISO_Ant1_5180_30~5140



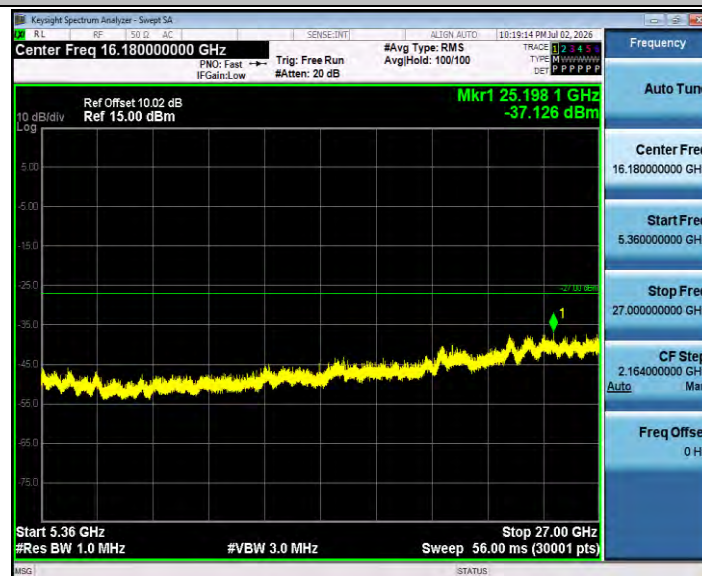
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11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



11N40SISO_Ant1_5190_30~5140



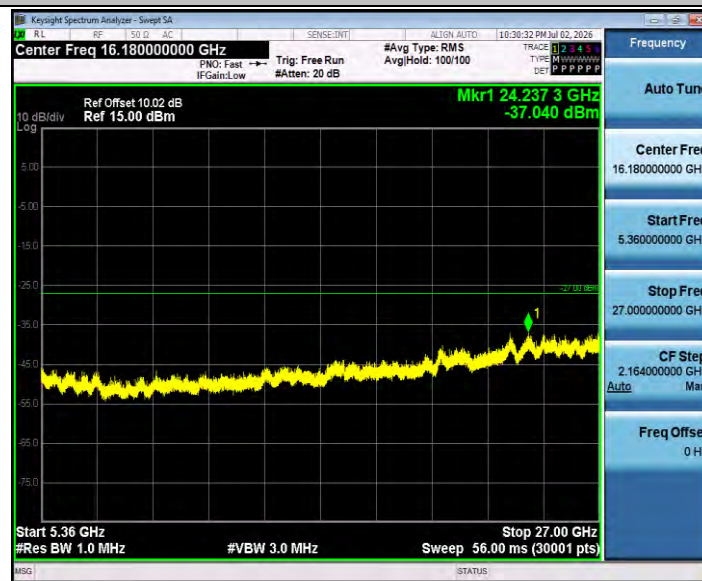
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11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000



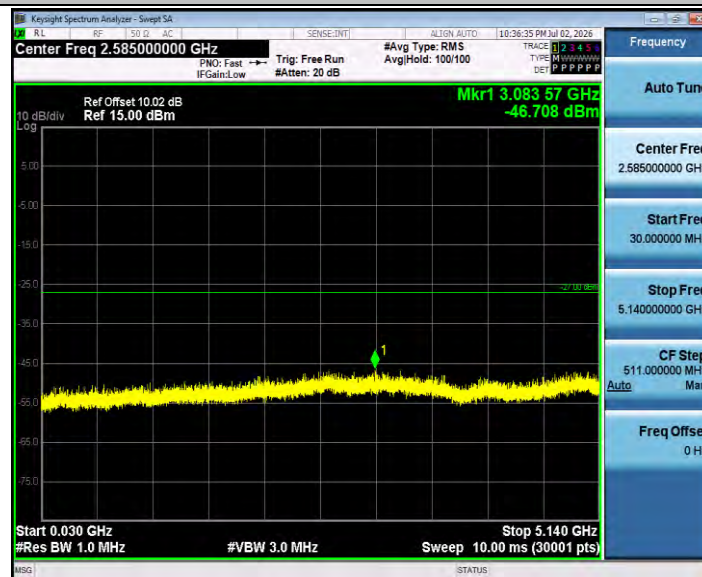
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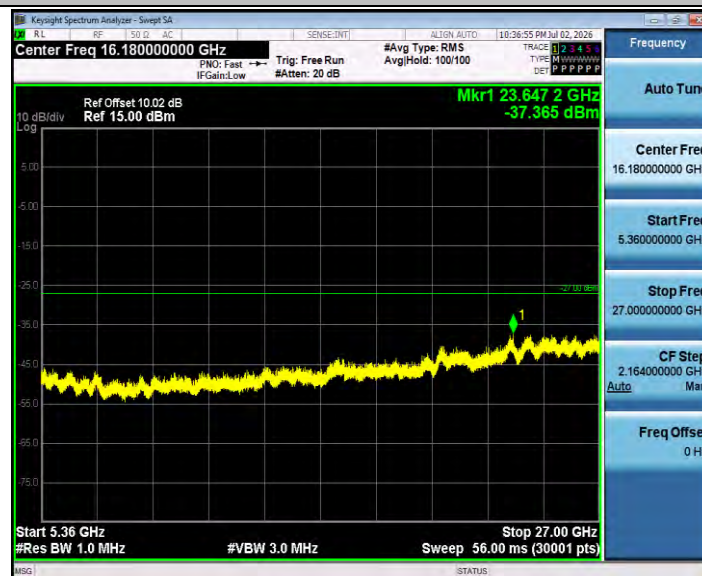
11AC20SISO_Ant1_5180_5360~27000



11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140



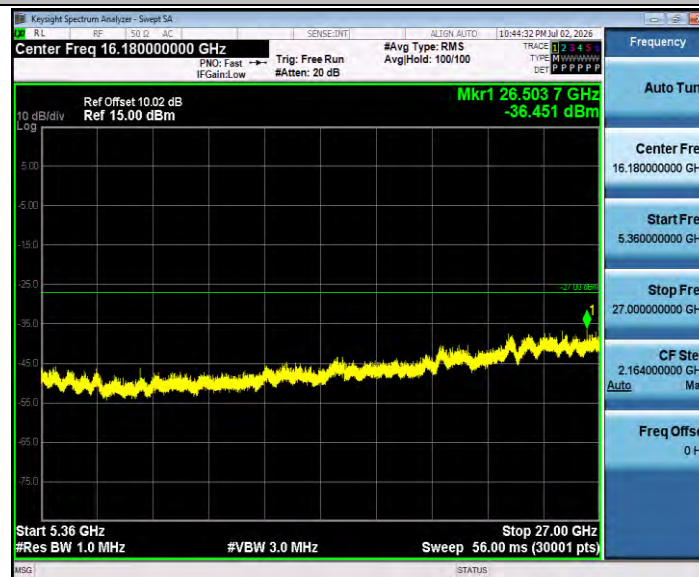
11AC20SISO_Ant1_5240_5360~27000



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

