

Case No. : GTS20220723004-1-36	
Ambient Condition: 25 °C, 47 %RH, Atmos100.1Kpa,	
Test Date: 2022.8.25	Test Engineer: Jenny zeng

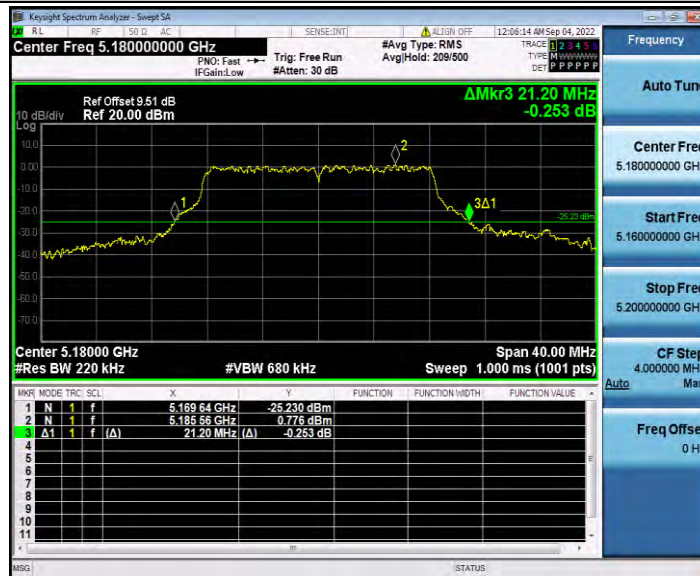
Appendix D.1: Emission Bandwidth

Test Result

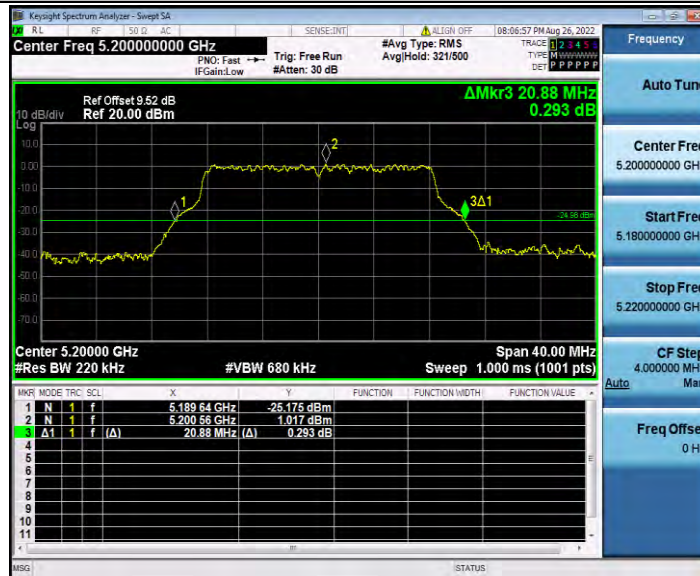
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.200	5169.640	5190.840	---	---
		5200	20.880	5189.640	5210.520	---	---
		5240	20.960	5229.560	5250.520	---	---
11N20SISO	Ant1	5180	21.200	5169.640	5190.840	---	---
		5200	21.440	5189.360	5210.800	---	---
		5240	21.200	5229.440	5250.640	---	---
11N40SISO	Ant1	5190	39.760	5170.160	5209.920	---	---
		5230	39.680	5210.240	5249.920	---	---
11AC20SISO	Ant1	5180	21.440	5169.280	5190.720	---	---
		5200	21.440	5189.240	5210.680	---	---
		5240	21.360	5229.240	5250.600	---	---
11AC40SISO	Ant1	5190	39.920	5170.080	5210.000	---	---
		5230	40.000	5210.000	5250.000	---	---
11AC80SISO	Ant1	5210	81.280	5169.520	5250.800	---	---

Test Graphs

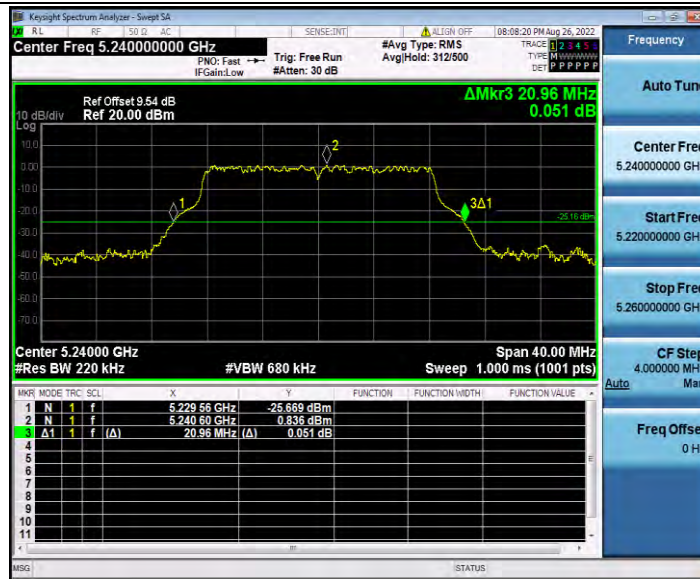
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



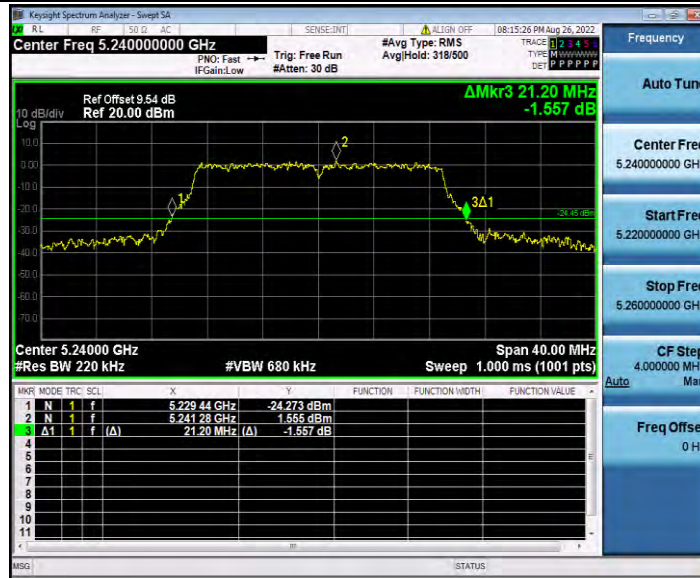
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



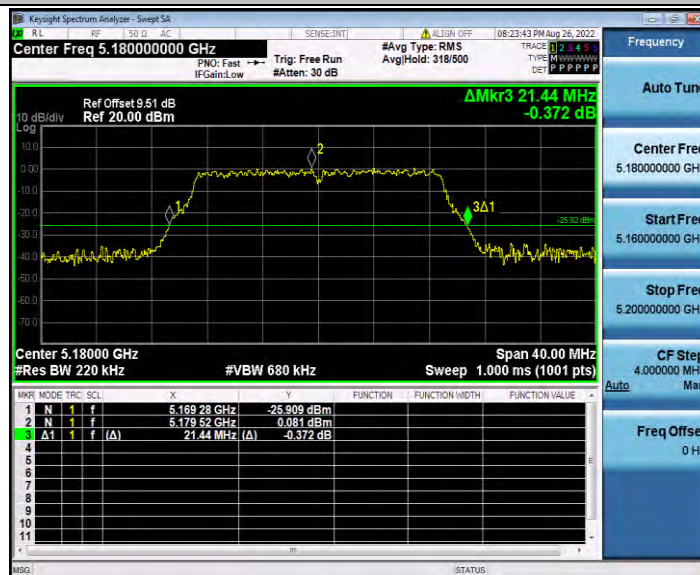
11N40SISO_Ant1_5190



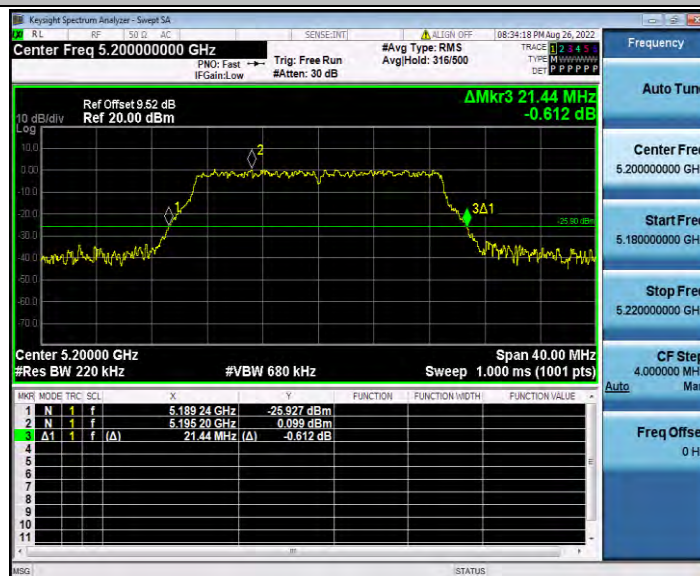
11N40SISO_Ant1_5230



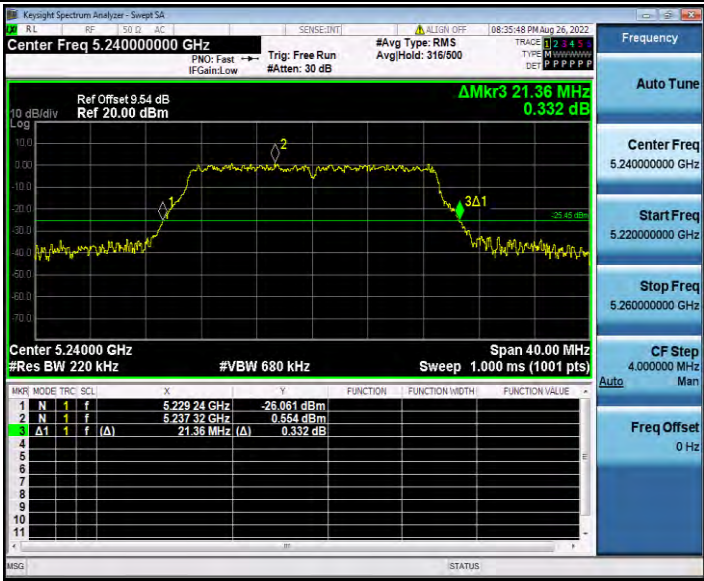
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



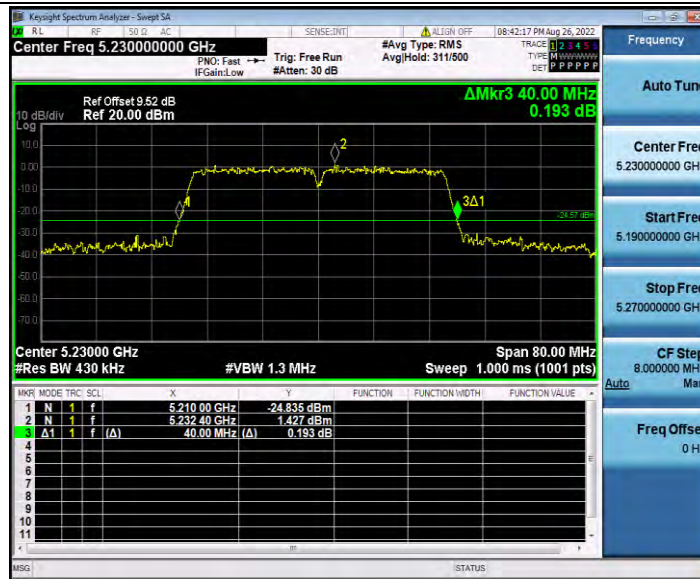
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



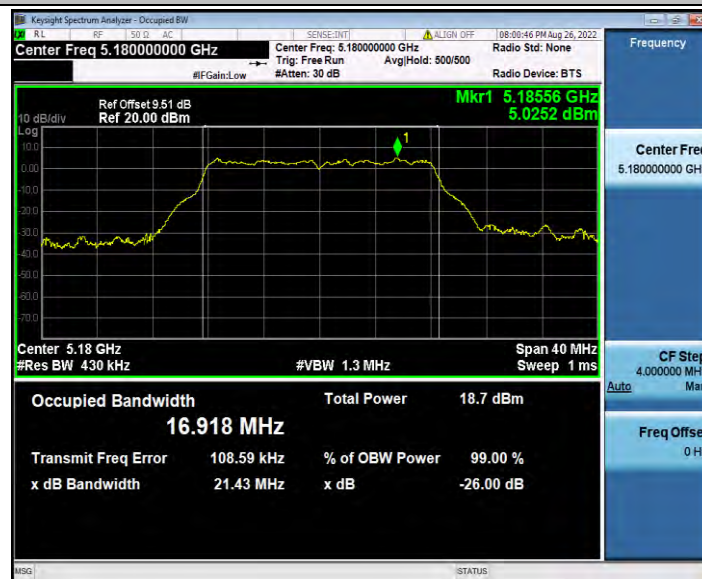
Appendix D.2: Occupied channel bandwidth

Test Result

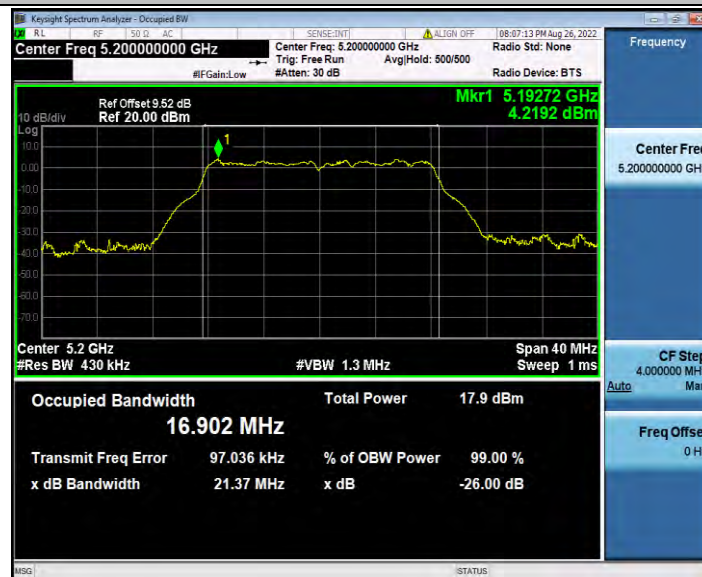
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.918	5171.650	5188.568	---	---
		5200	16.902	5191.646	5208.548	---	---
		5240	16.901	5231.624	5248.525	---	---
11N20SISO	Ant1	5180	18.050	5171.041	5189.091	---	---
		5200	18.258	5190.937	5209.195	---	---
		5240	18.249	5230.911	5249.160	---	---
11N40SISO	Ant1	5190	36.665	5171.772	5208.437	---	---
		5230	36.502	5211.770	5248.272	---	---
11AC20SISO	Ant1	5180	18.322	5170.860	5189.182	---	---
		5200	18.299	5190.866	5209.165	---	---
		5240	18.265	5230.831	5249.096	---	---
11AC40SISO	Ant1	5190	36.799	5171.619	5208.418	---	---
		5230	36.814	5211.542	5248.356	---	---
11AC80SISO	Ant1	5210	75.838	5172.238	5248.076	---	---

Test Graphs

11A_Ant1_5180



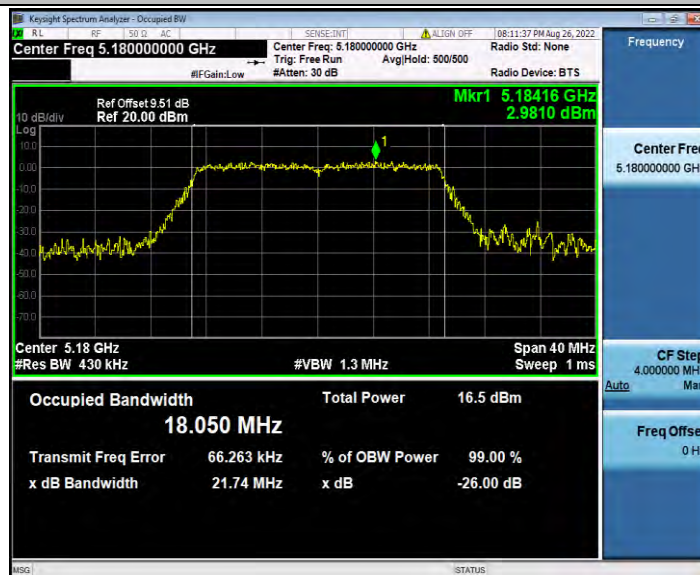
11A_Ant1_5200



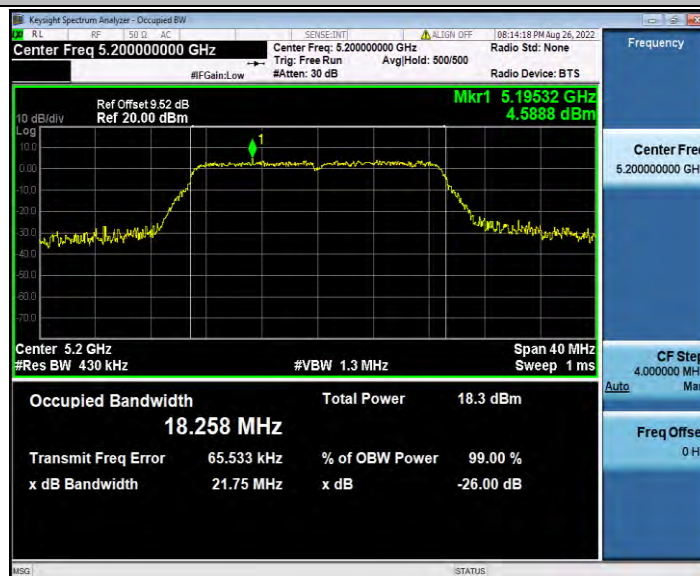
11A_Ant1_5240



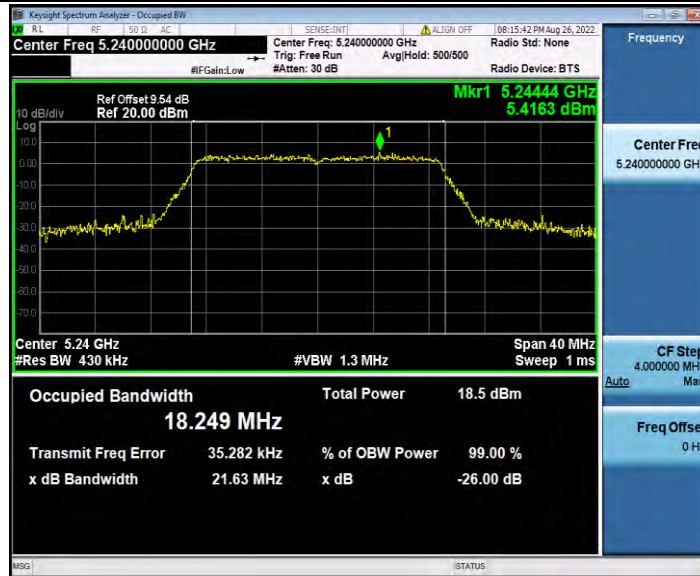
11N20SISO_Ant1_5180



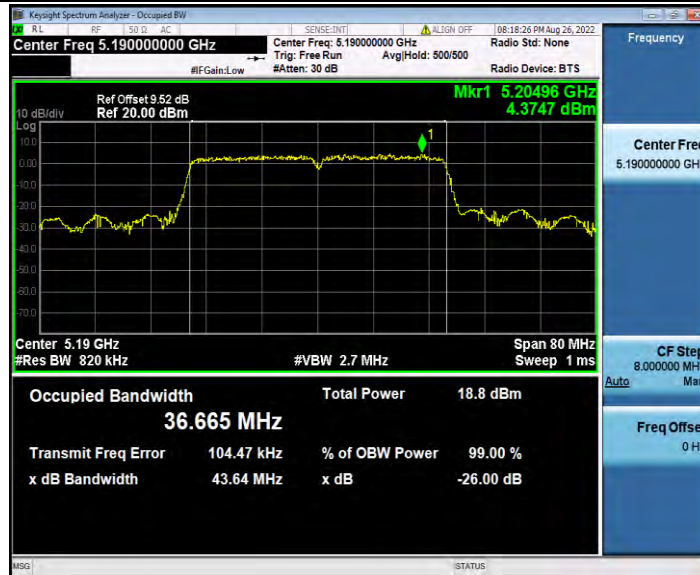
11N20SISO_Ant1_5200



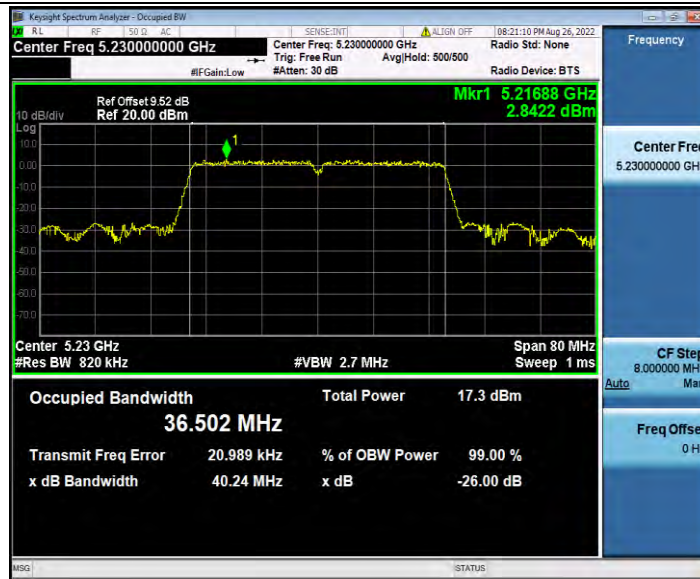
11N20SISO_Ant1_5240



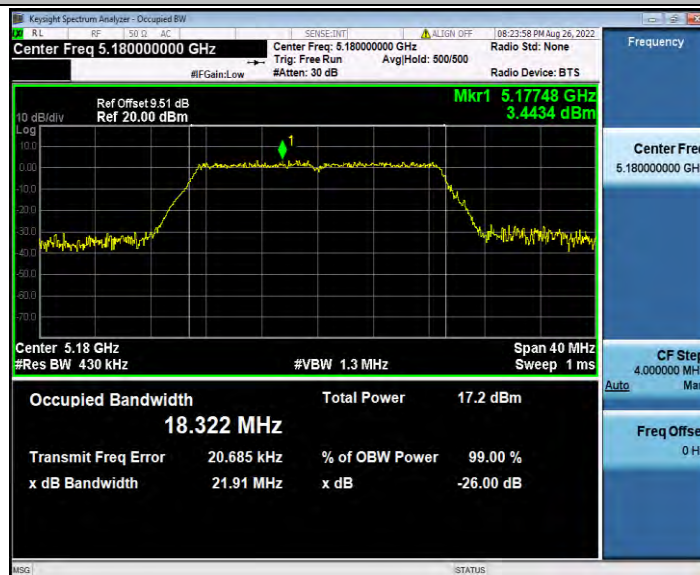
11N40SISO_Ant1_5190



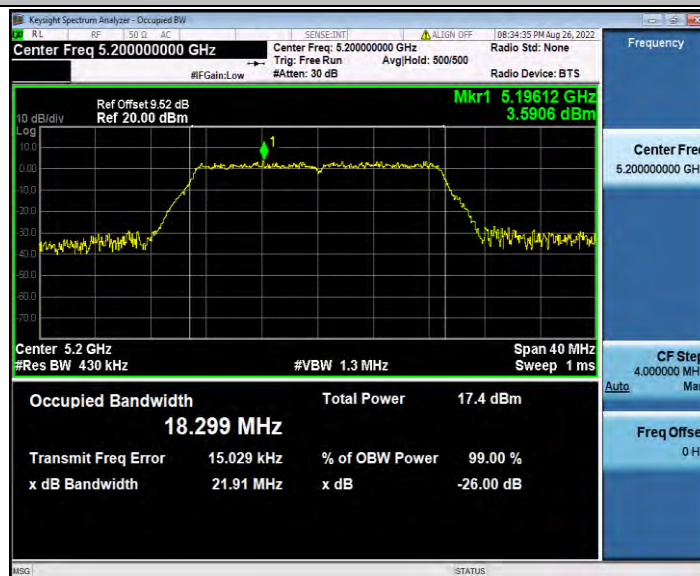
11N40SISO_Ant1_5230



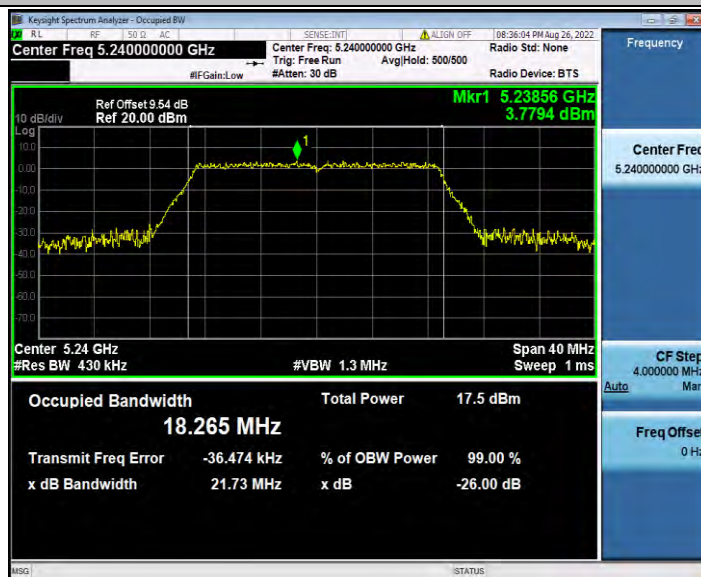
11AC20SISO_Ant1_5180



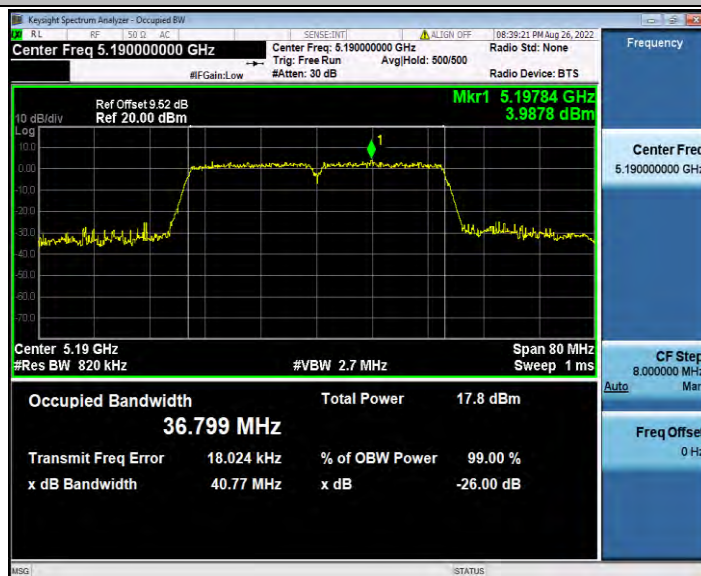
11AC20SISO_Ant1_5200



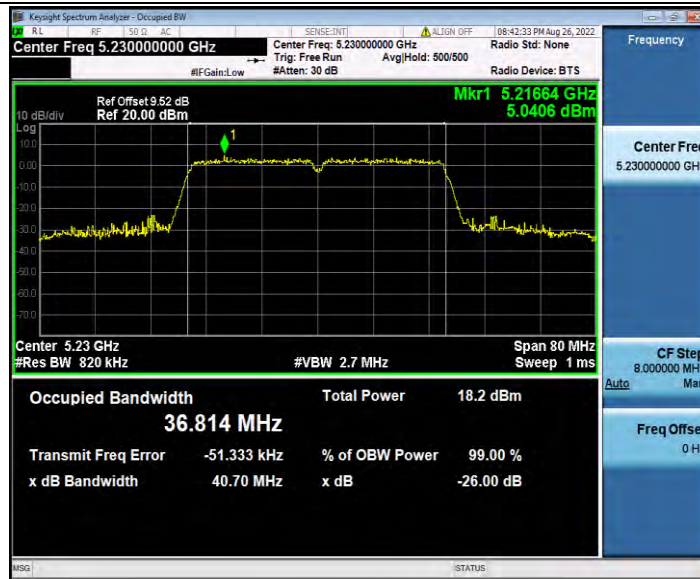
11AC20SISO_Ant1_5240



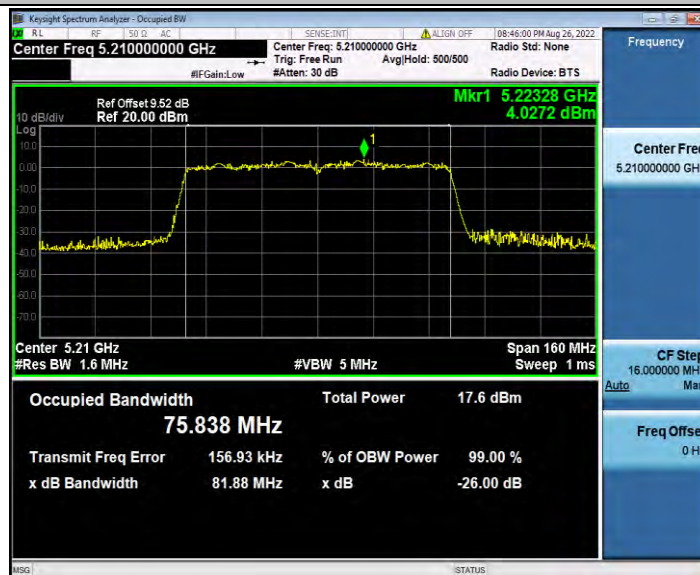
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



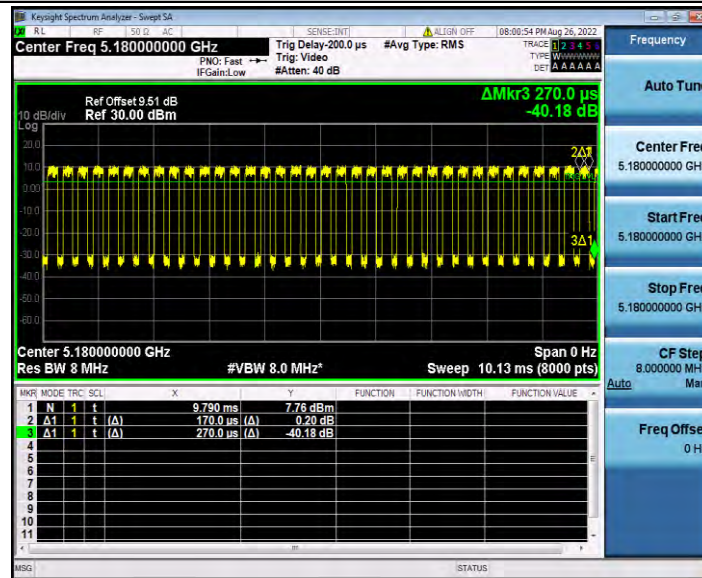
Appendix D. 3: Duty Cycle

Test Result

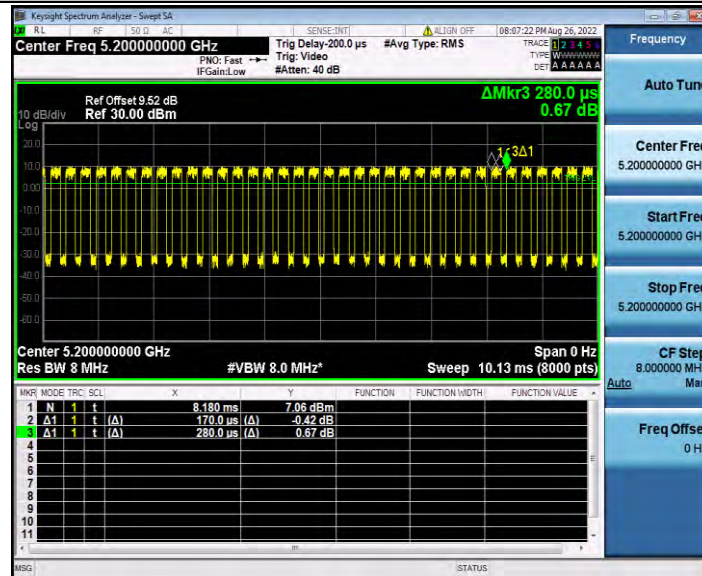
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.17	0.27	62.96
		5200	0.17	0.28	60.71
		5240	0.18	0.28	64.29
11N20SISO	Ant1	5180	0.16	0.26	61.54
		5200	0.17	0.27	62.96
		5240	0.16	0.27	59.26
11N40SISO	Ant1	5190	0.10	0.20	50.00
		5230	0.10	0.21	47.62
11AC20SISO	Ant1	5180	0.15	0.25	60.00
		5200	0.15	0.25	60.00
		5240	0.15	0.25	60.00
11AC40SISO	Ant1	5190	0.08	0.19	42.11
		5230	0.09	0.19	47.37
11AC80SISO	Ant1	5210	0.06	0.16	37.50

Test Graphs

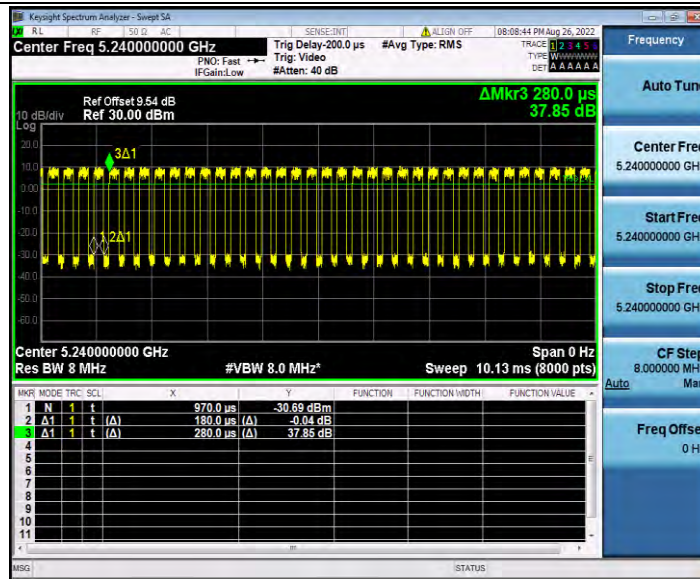
11A_Ant1_5180



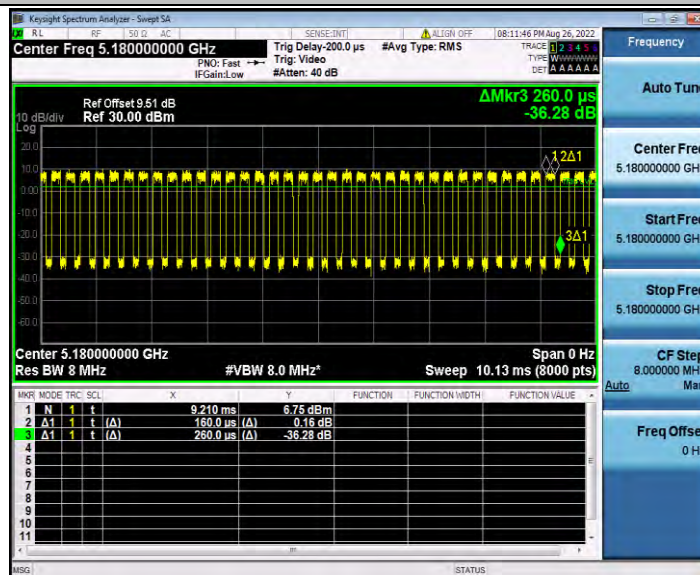
11A_Ant1_5200



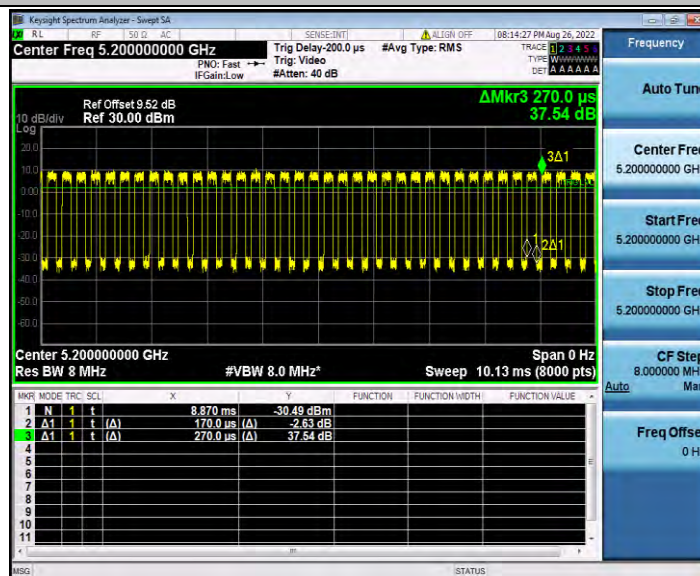
11A_Ant1_5240



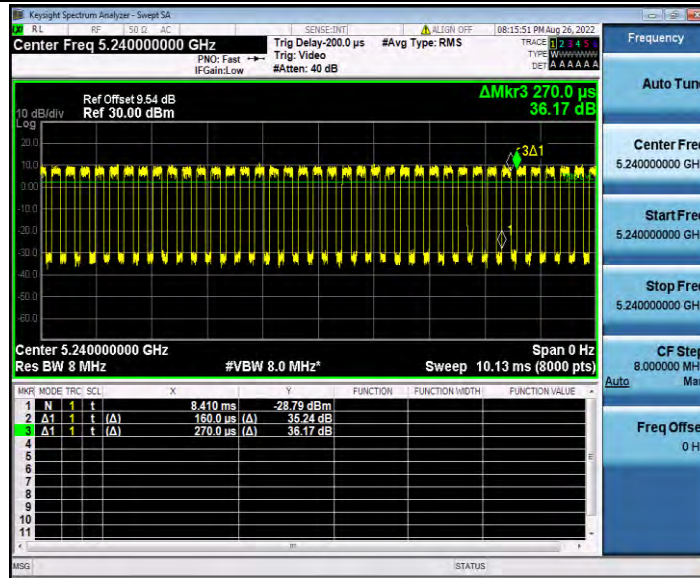
11N20SISO_Ant1_5180



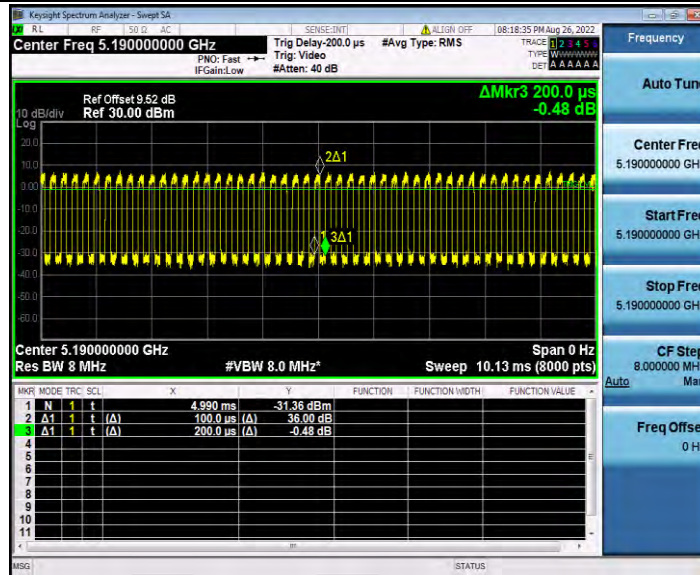
11N20SISO_Ant1_5200



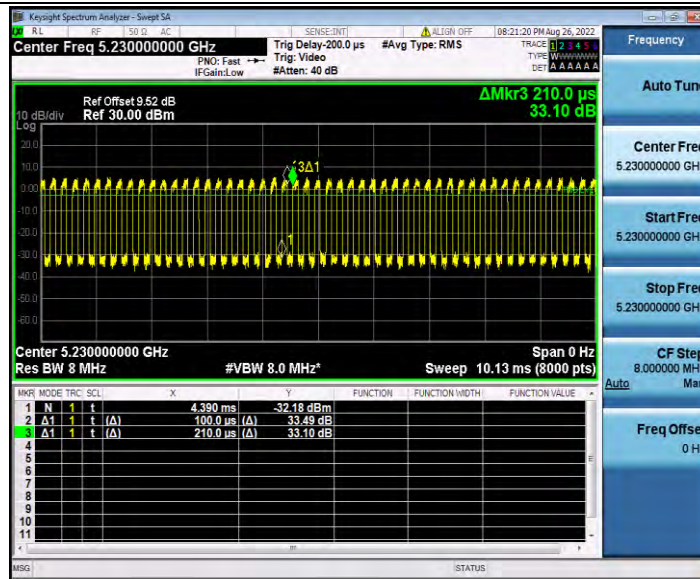
11N20SISO_Ant1_5240



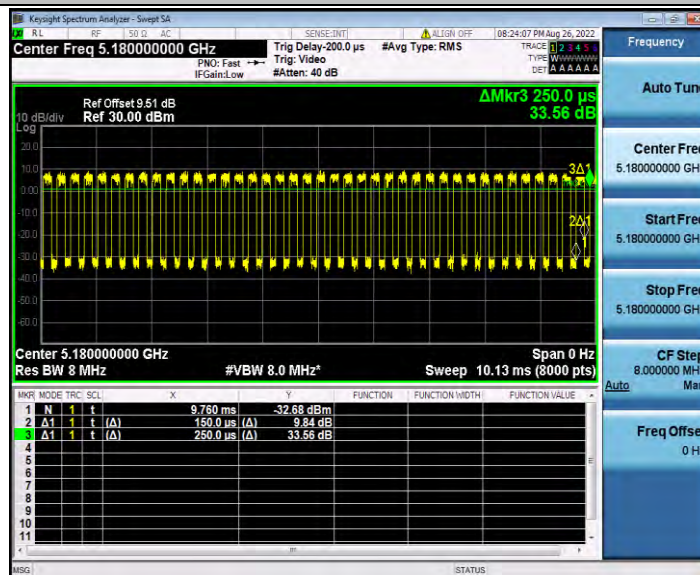
11N40SISO_Ant1_5190



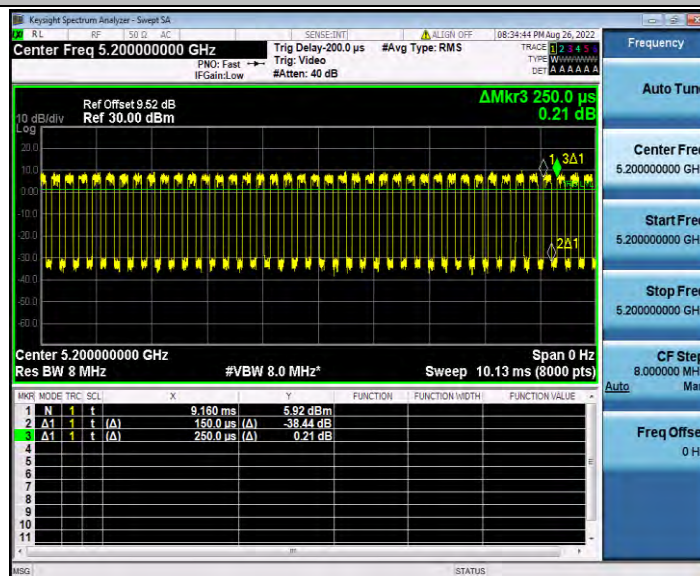
11N40SISO_Ant1_5230



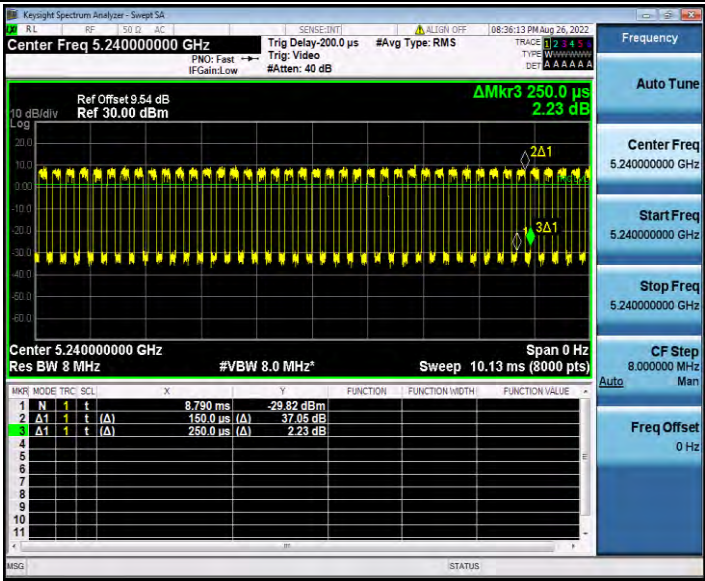
11AC20SISO_Ant1_5180



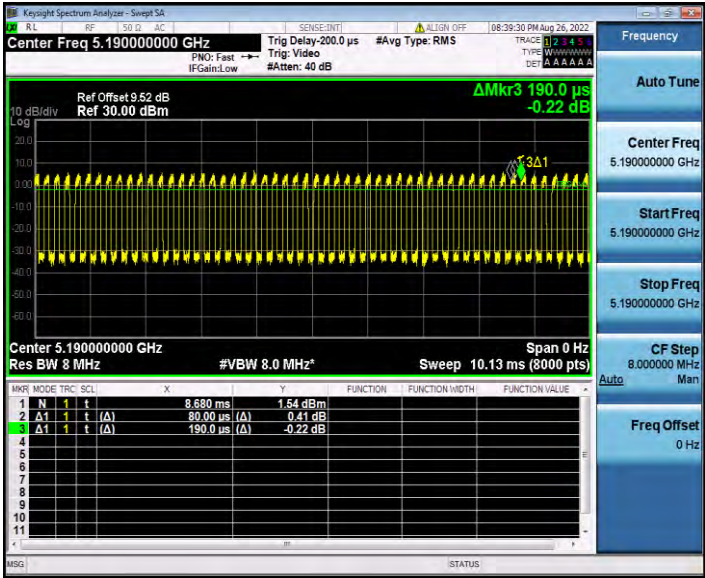
11AC20SISO_Ant1_5200



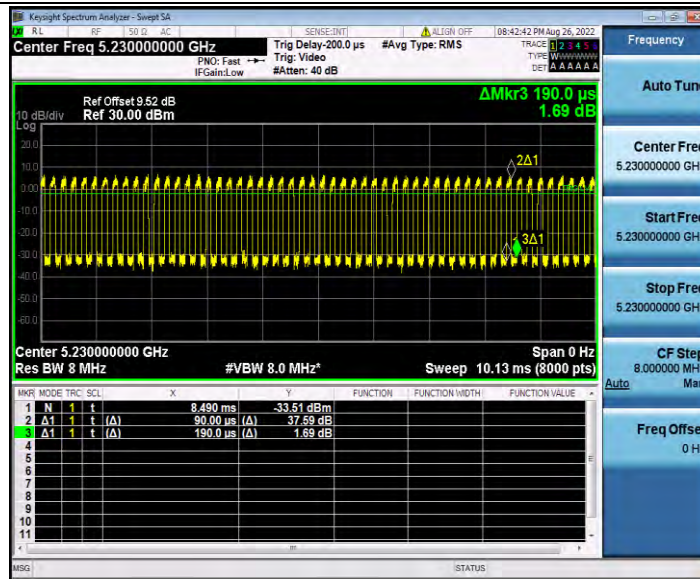
11AC20SISO_Ant1_5240



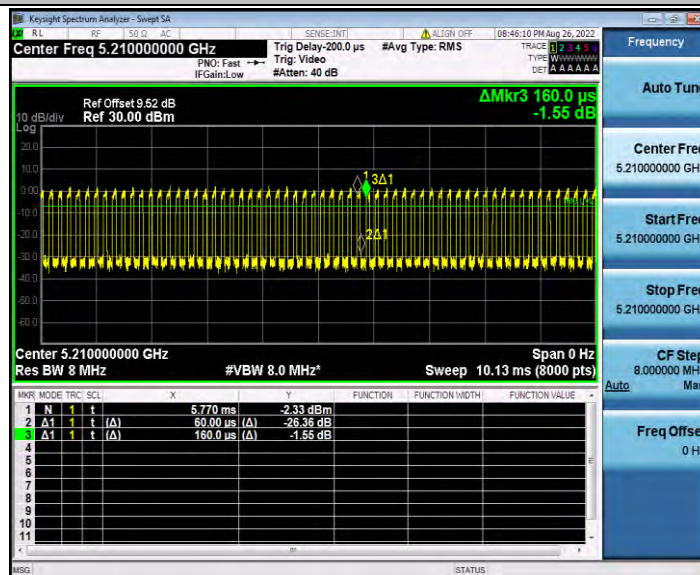
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D. 4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.08	62.96	2.01	12.09	≤23.98	PASS
		5200	9.25	60.71	2.17	11.42	≤23.98	PASS
		5240	9.17	64.29	1.92	11.09	≤23.98	PASS
11N20SI SO	Ant1	5180	8.91	61.54	2.11	11.02	≤23.98	PASS
		5200	9.08	62.96	2.01	11.09	≤23.98	PASS
		5240	9.21	59.26	2.27	11.48	≤23.98	PASS
11N40SI SO	Ant1	5190	8.17	50.00	3.01	11.18	≤23.98	PASS
		5230	6.72	47.62	3.22	9.94	≤23.98	PASS
11AC20S ISO	Ant1	5180	7.86	60.00	2.22	10.08	≤23.98	PASS
		5200	7.98	60.00	2.22	10.20	≤23.98	PASS
		5240	8.15	60.00	2.22	10.37	≤23.98	PASS
11AC40S ISO	Ant1	5190	6.90	42.11	3.76	10.66	≤23.98	PASS
		5230	7.32	47.37	3.24	10.56	≤23.98	PASS
11AC80S ISO	Ant1	5210	5.21	37.50	4.26	9.47	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D. 5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	8.73	≤11.00	PASS
		5200	8.13	≤11.00	PASS
		5240	8.11	≤11.00	PASS
11N20SISO	Ant1	5180	7.48	≤11.00	PASS
		5200	8.76	≤11.00	PASS
		5240	8.53	≤11.00	PASS
11N40SISO	Ant1	5190	5.9	≤11.00	PASS
		5230	4.74	≤11.00	PASS
11AC20SISO	Ant1	5180	6.93	≤11.00	PASS
		5200	6.92	≤11.00	PASS
		5240	7.04	≤11.00	PASS
11AC40SISO	Ant1	5190	7.43	≤11.00	PASS
		5230	5.4	≤11.00	PASS
11AC80SISO	Ant1	5210	2.05	≤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



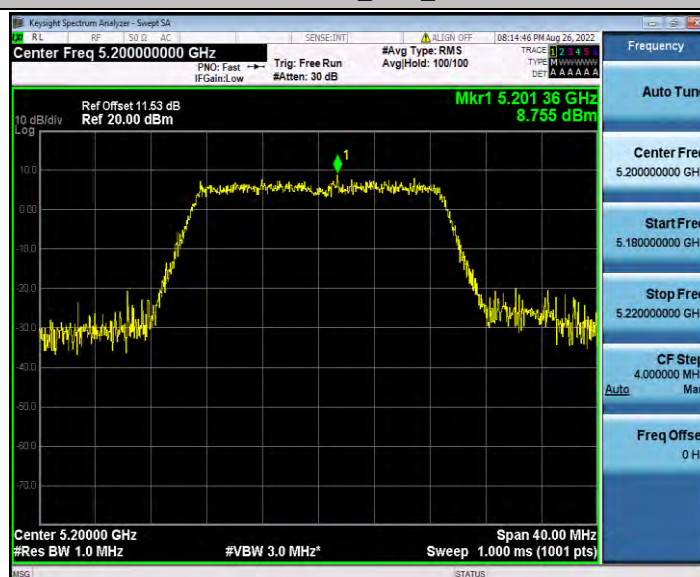
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



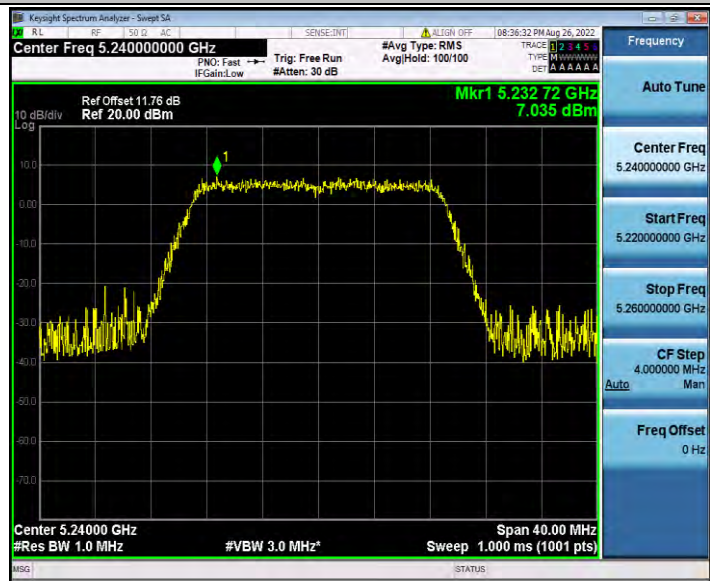
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



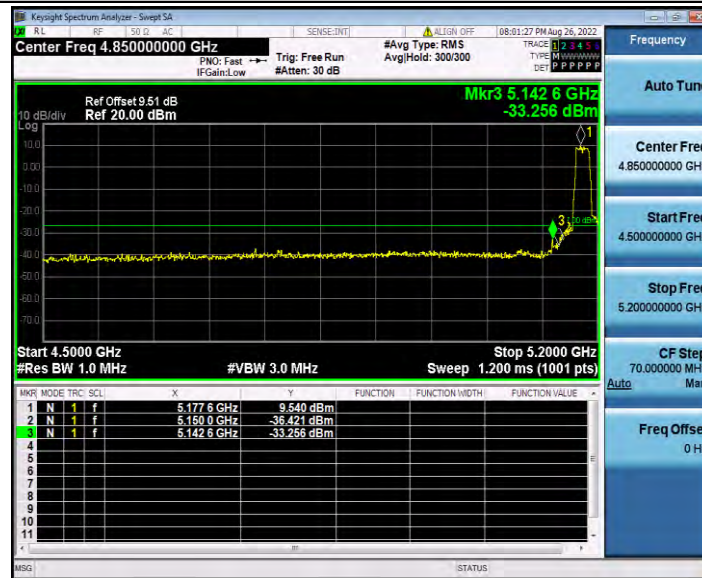
Appendix D. 6: Band edge measurements

Test Result B1

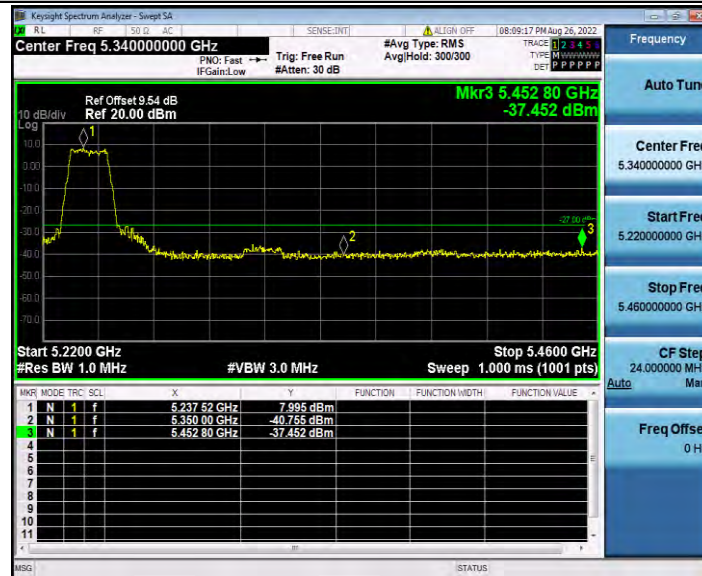
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-33.26	≤-27	PASS
		High	5240	-37.45	≤-27	PASS
11N20SISO	Ant1	Low	5180	-35.49	≤-27	PASS
		High	5240	-37.29	≤-27	PASS
11N40SISO	Ant1	Low	5190	-37.47	≤-27	PASS
		High	5230	-37.39	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-34.59	≤-27	PASS
		High	5240	-37.58	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-33.17	≤-27	PASS
		High	5230	-37.92	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-36.12	≤-27	PASS
		High	5210	-38.38	≤-27	PASS

Test Graphs B1

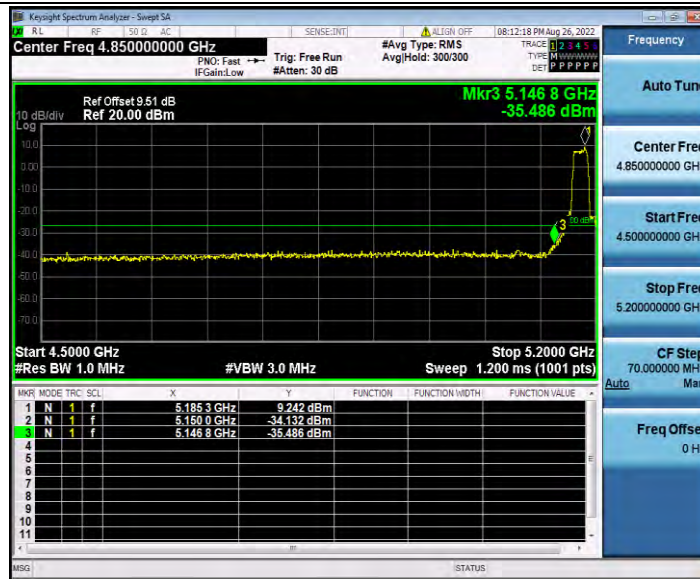
11A_Ant1_Low_5180



11A_Ant1_High_5240



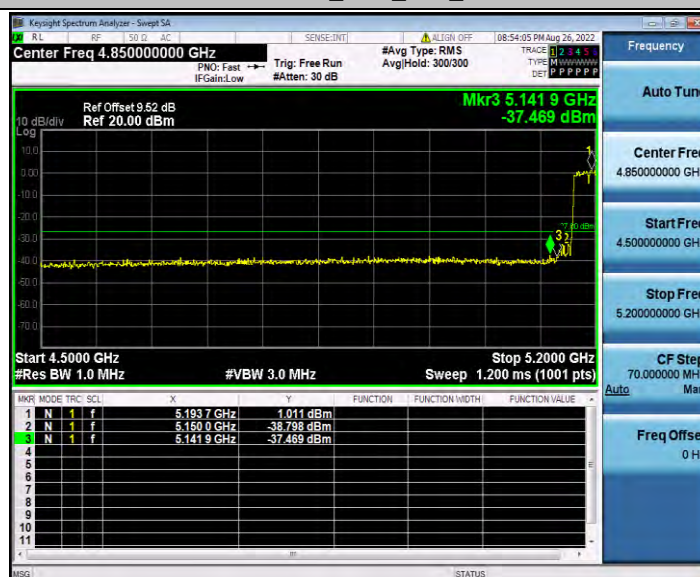
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



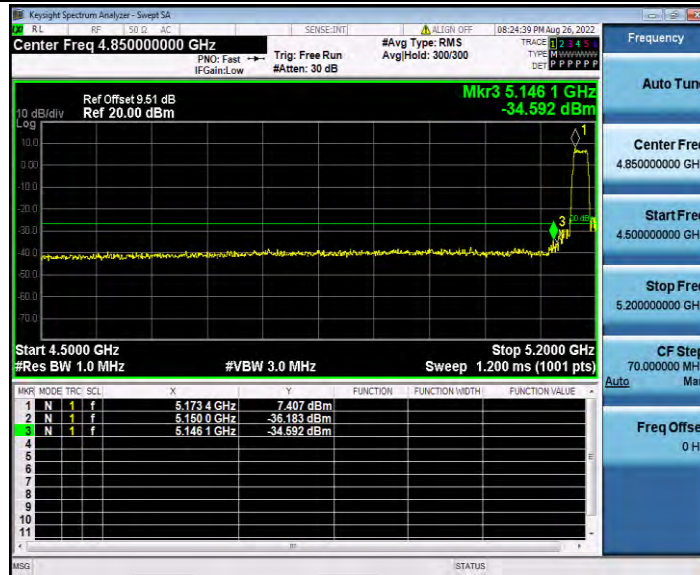
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



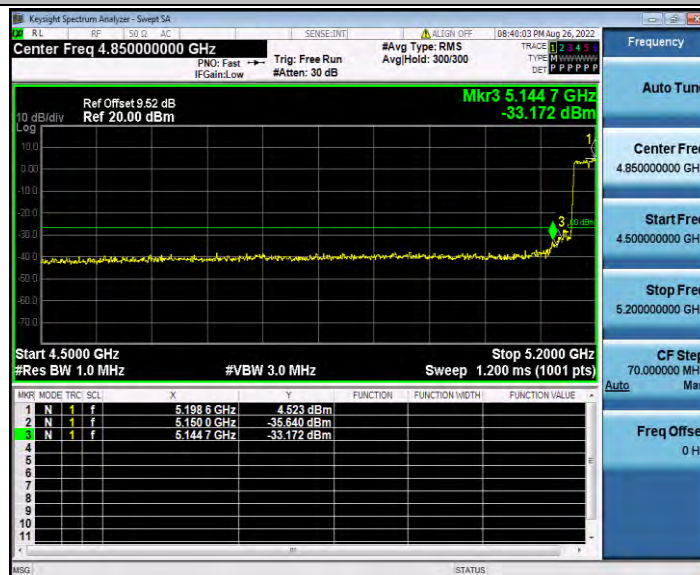
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



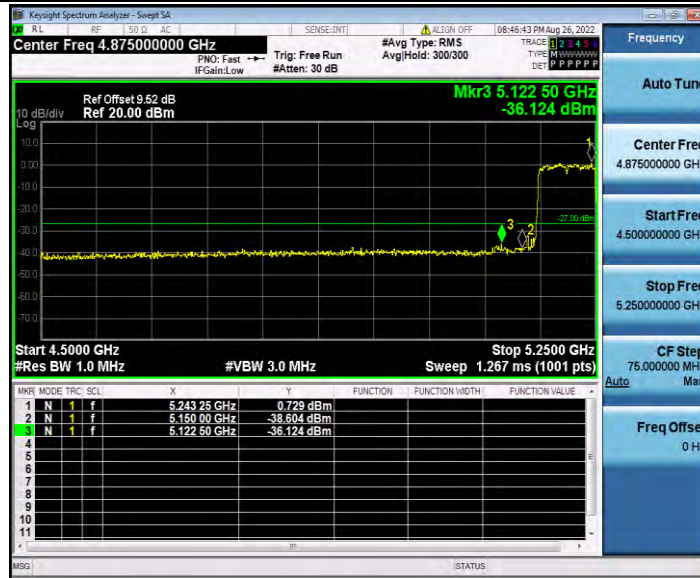
11AC40SISO_Ant1_Low_5190



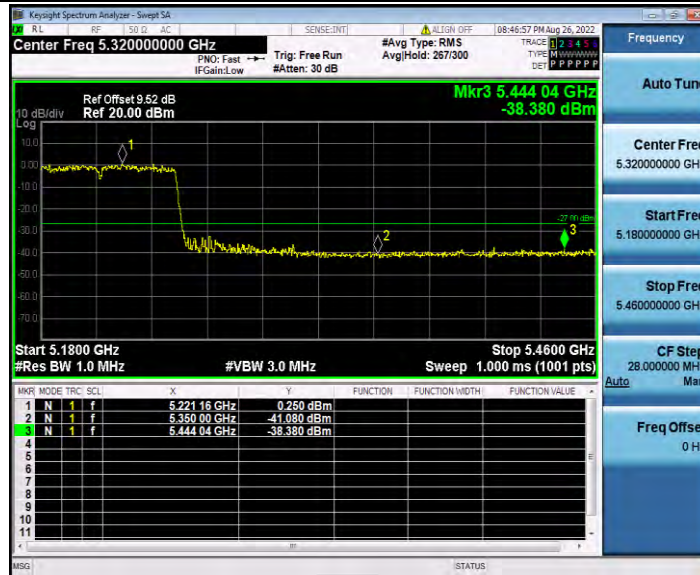
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix D. 7: Conducted Spurious Emission

Test Result

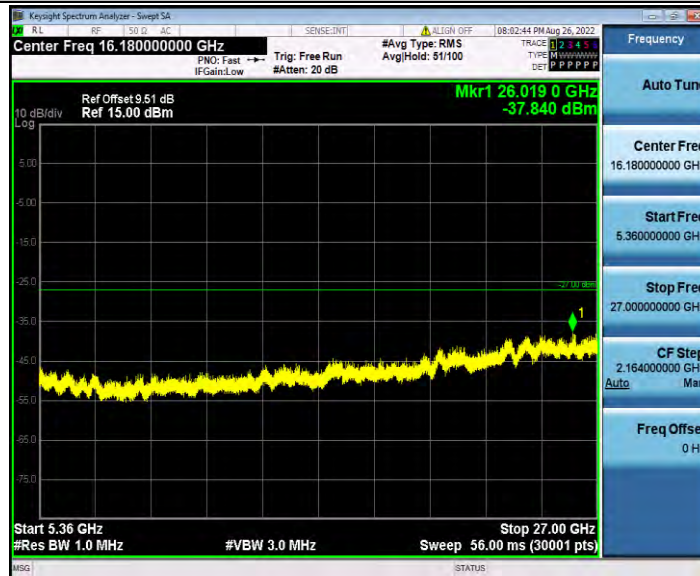
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5138.13	-39.67	≤-27	PASS
			5360~40000	26018.99	-37.84	≤-27	PASS
		5200	30~5140	5131.48	-42.48	≤-27	PASS
			5360~40000	24287.07	-37.31	≤-27	PASS
		5240	30~5140	5095.54	-47.28	≤-27	PASS
			5360~40000	25151.22	-37.68	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5136.08	-39.44	≤-27	PASS
			5360~40000	24975.94	-37.86	≤-27	PASS
		5200	30~5140	5118.54	-42.18	≤-27	PASS
			5360~40000	26528.97	-37.52	≤-27	PASS
		5240	30~5140	2652.11	-46.62	≤-27	PASS
			5360~40000	23546.98	-37.8	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5137.96	-36.96	≤-27	PASS
			5360~40000	24302.93	-38.21	≤-27	PASS
		5230	30~5140	5139.83	-45.16	≤-27	PASS
			5360~40000	25269.52	-38.56	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	1754.8	-41.17	≤-27	PASS
			5360~40000	26490.02	-37.51	≤-27	PASS
		5200	30~5140	5129.1	-43.93	≤-27	PASS
			5360~40000	23603.24	-37.84	≤-27	PASS
		5240	30~5140	4939.01	-47.63	≤-27	PASS
			5360~40000	24245.95	-37.99	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5138.81	-40.33	≤-27	PASS
			5360~40000	24191.85	-38.08	≤-27	PASS
		5230	30~5140	5139.83	-45.56	≤-27	PASS
			5360~40000	24331.07	-38.04	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5122.12	-39.34	≤-27	PASS
			5360~40000	24290.67	-37.51	≤-27	PASS

Test Graphs

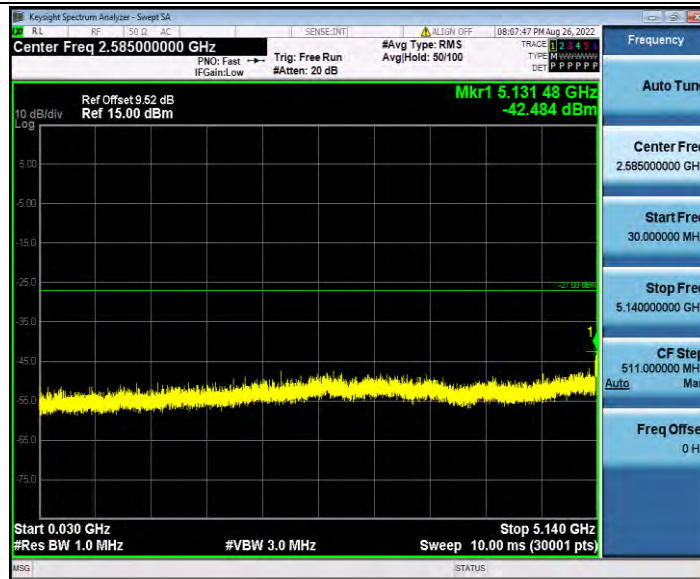
11A_Ant1_5180_30~5140



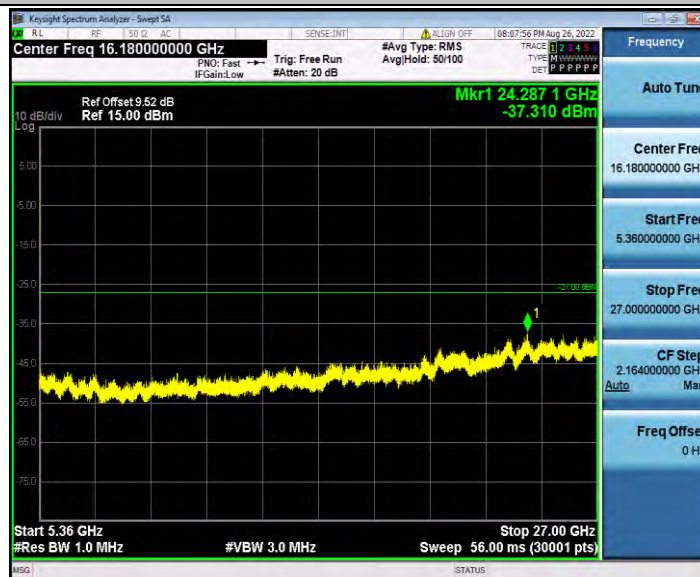
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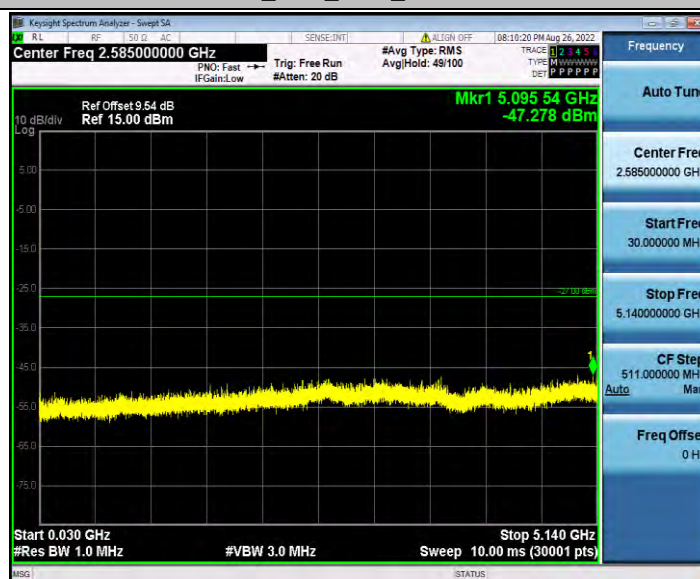
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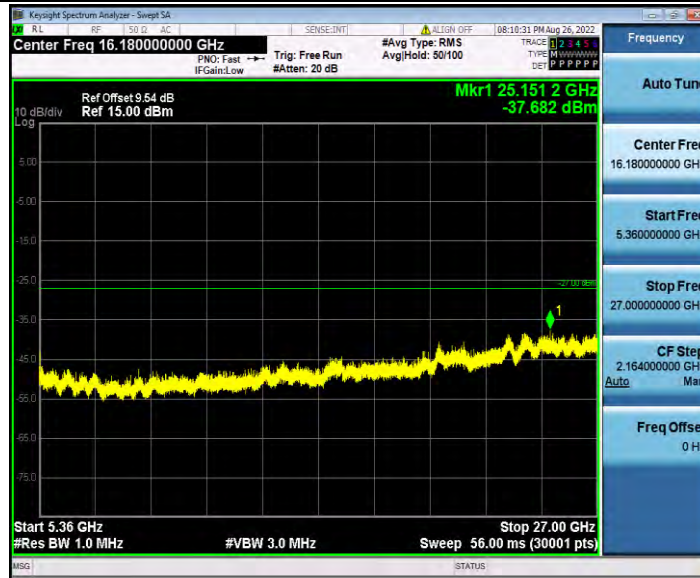
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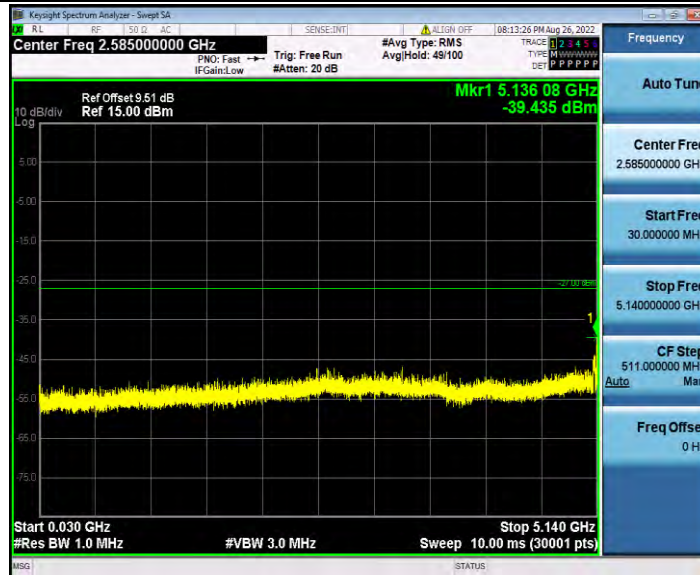
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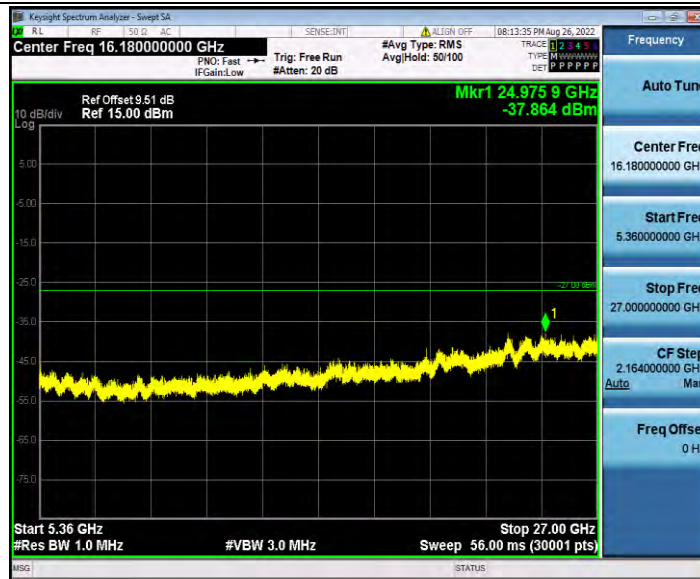
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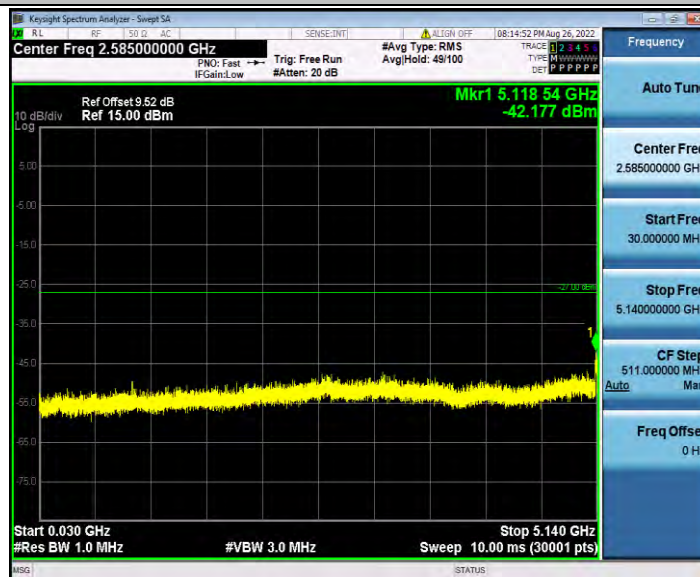
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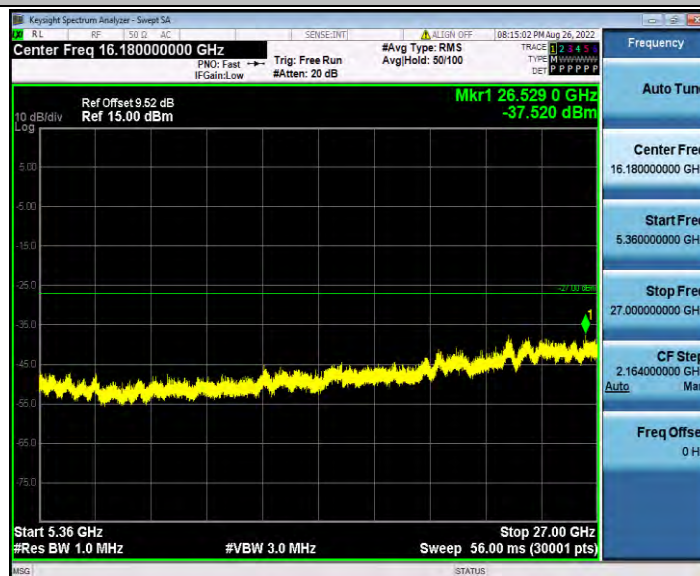
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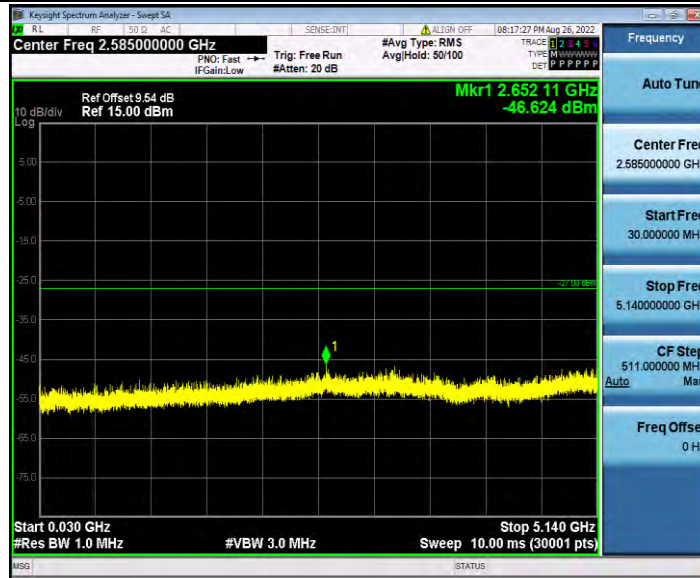
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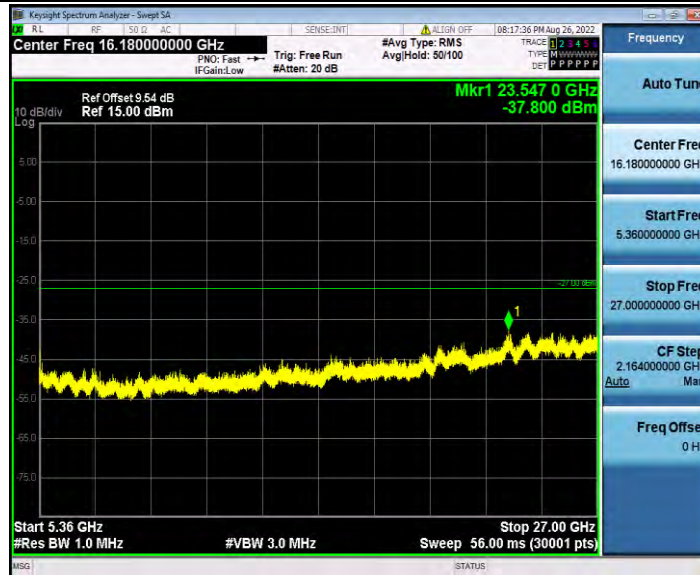
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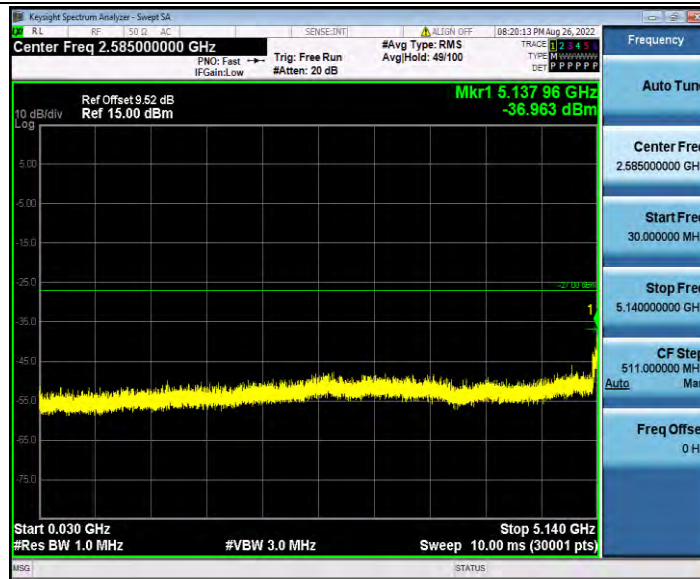
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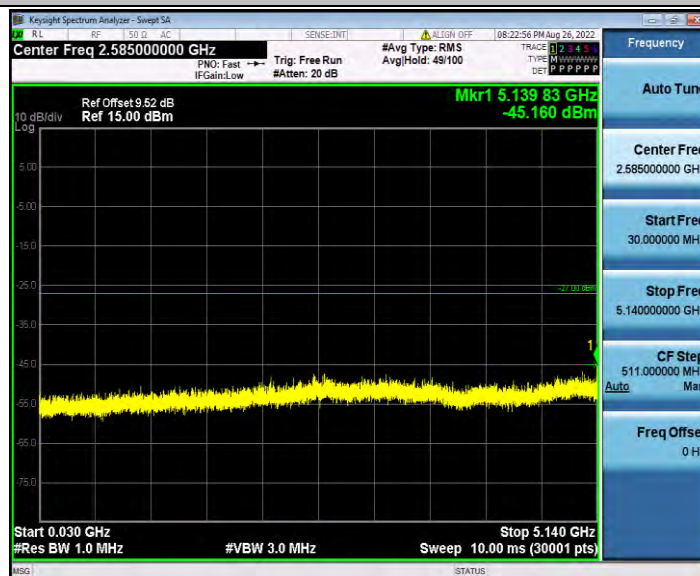
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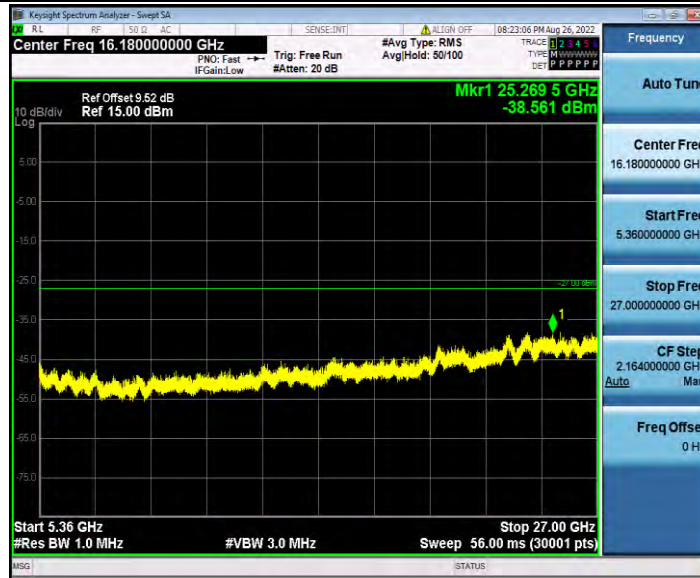
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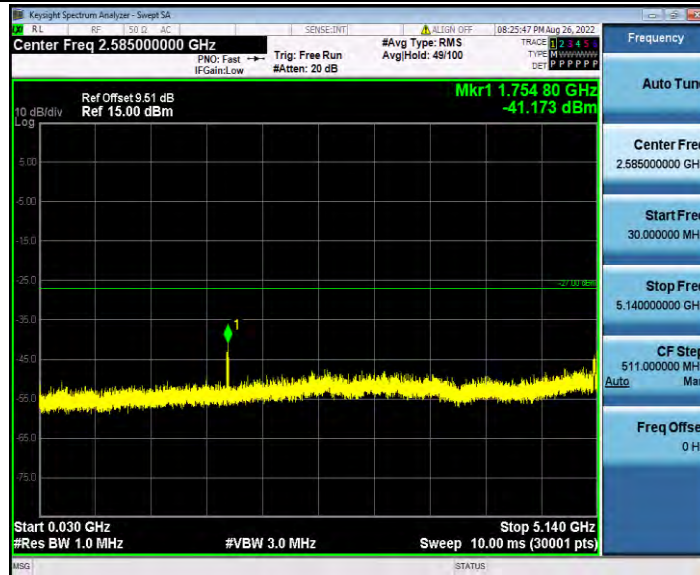
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11N40SISO_Ant1_5230_5360~40000



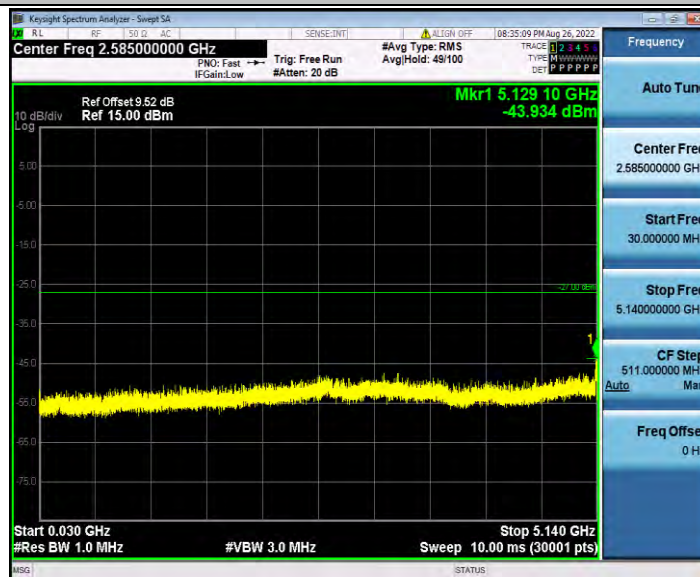
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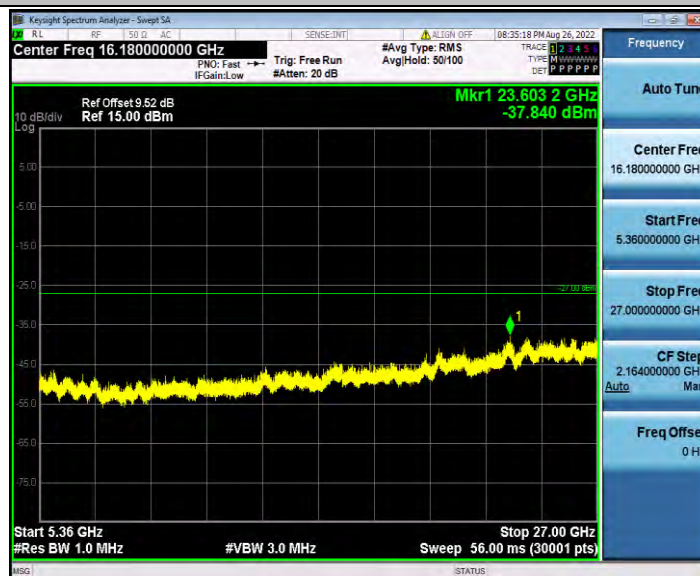
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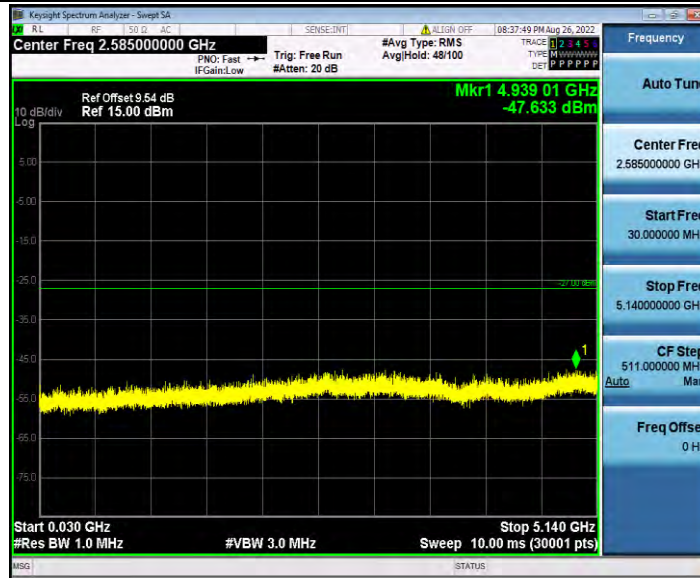
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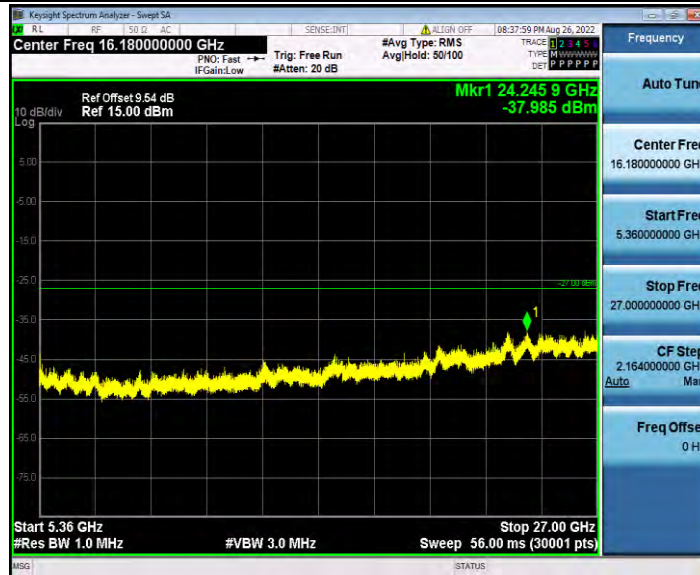
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11AC20SISO_Ant1_5240_30~5140



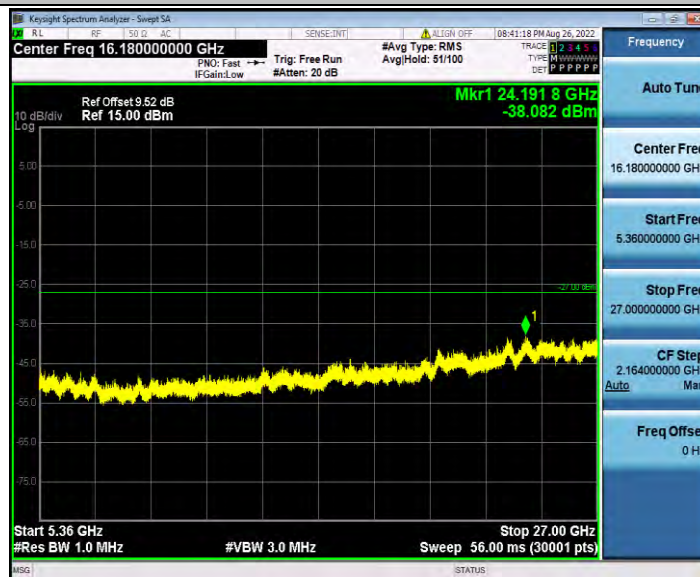
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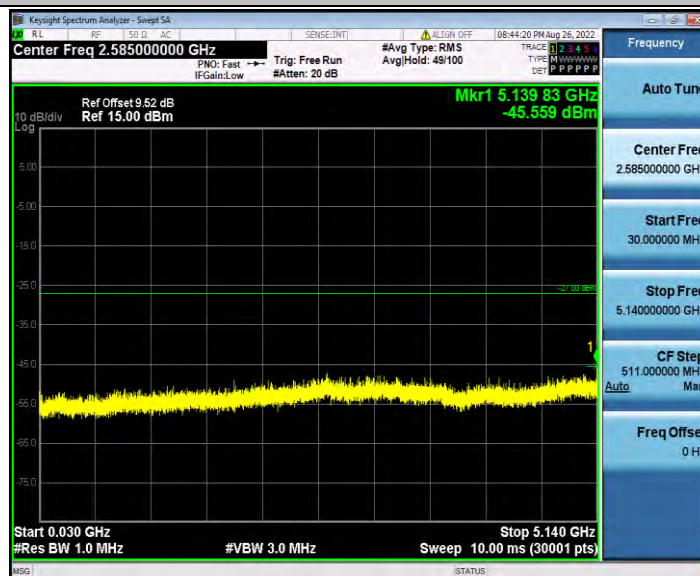
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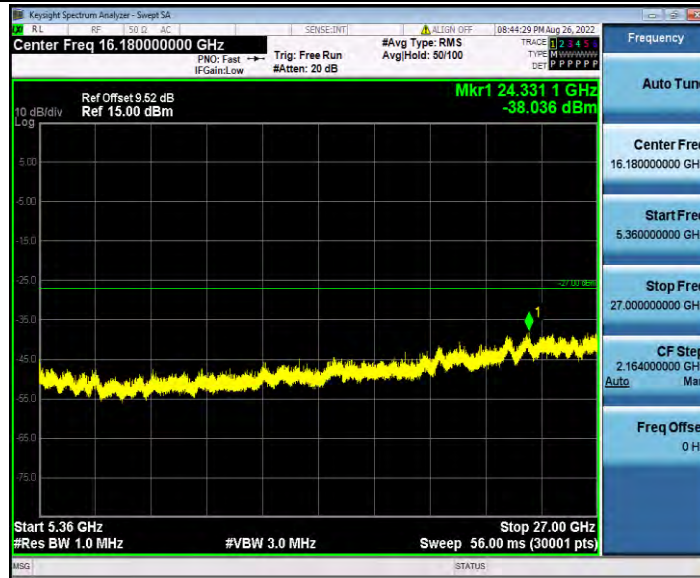
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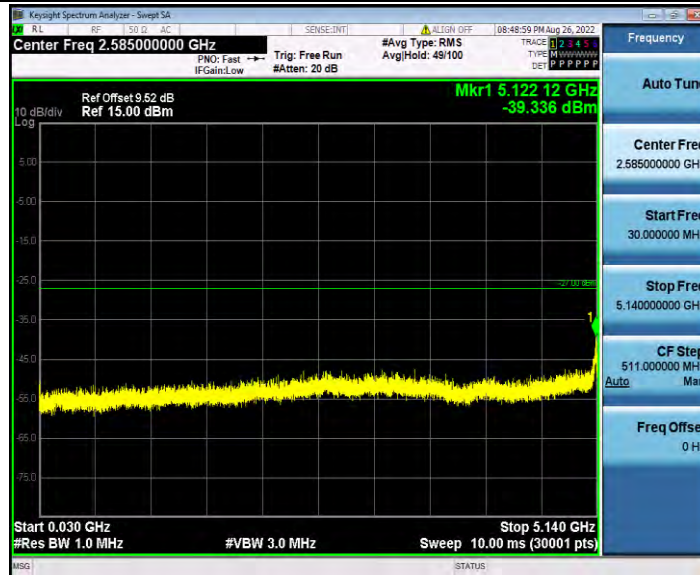
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

