

Case No. : GTS20221206017-1-2	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.3	Test Engineer: Jenny zeng

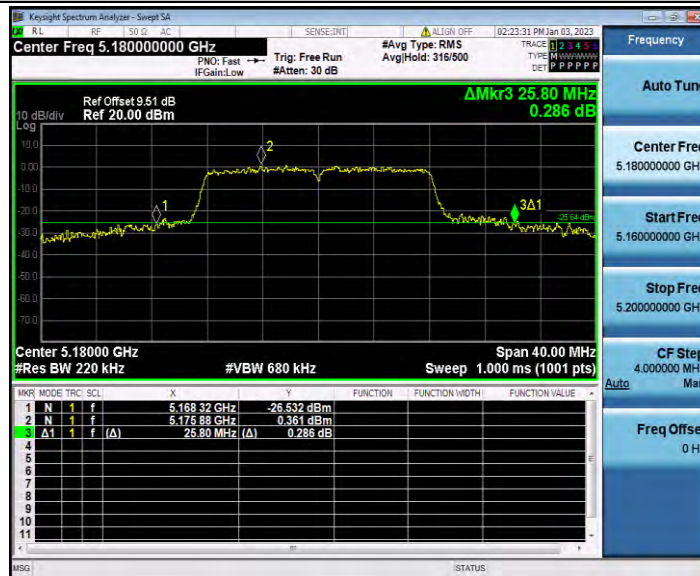
Appendix B.1: Emission Bandwidth

Test Result

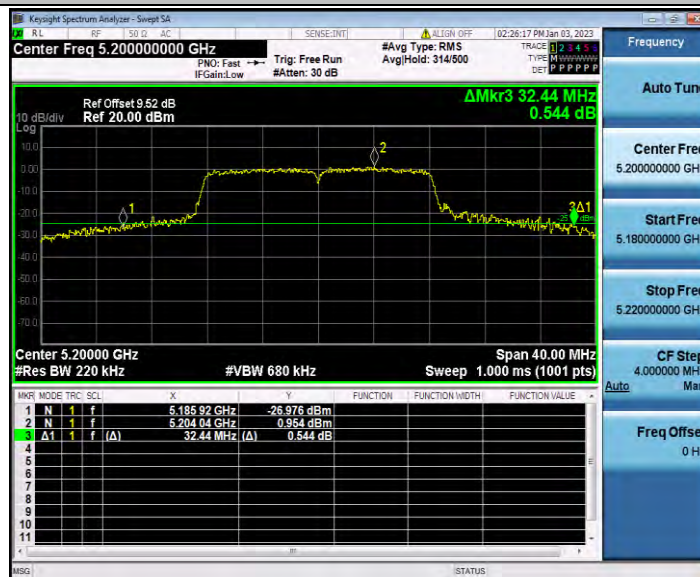
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.800	5168.320	5194.120	---	---
		5200	32.440	5185.920	5218.360	---	---
		5240	32.280	5225.480	5257.760	---	---
11N20SISO	Ant1	5180	28.880	5168.480	5197.360	---	---
		5200	33.640	5185.760	5219.400	---	---
		5240	31.280	5226.120	5257.400	---	---
11N40SISO	Ant1	5190	53.440	5169.280	5222.720	---	---
		5230	72.000	5196.960	5268.960	---	---
11AC20SISO	Ant1	5180	19.080	5170.440	5189.520	---	---
		5200	19.280	5190.440	5209.720	---	---
		5240	19.280	5230.400	5249.680	---	---
11AC40SISO	Ant1	5190	40.000	5170.080	5210.080	---	---
		5230	40.000	5210.080	5250.080	---	---
11AC80SISO	Ant1	5210	81.600	5169.680	5251.280	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



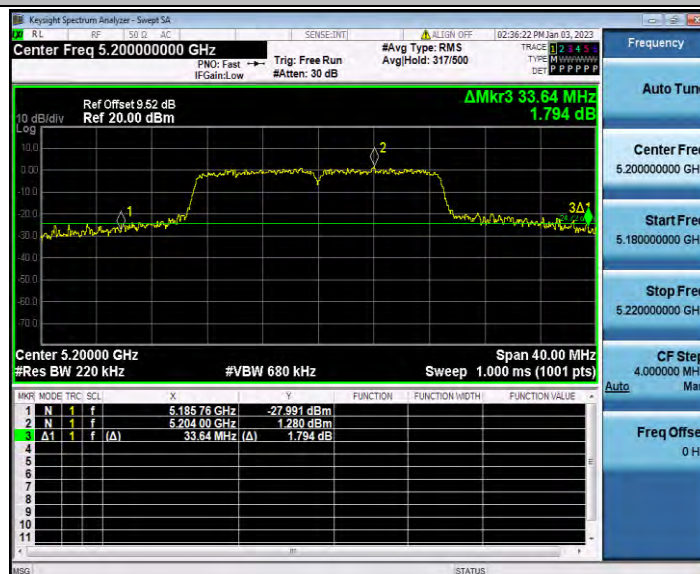
11A_Ant1_5240



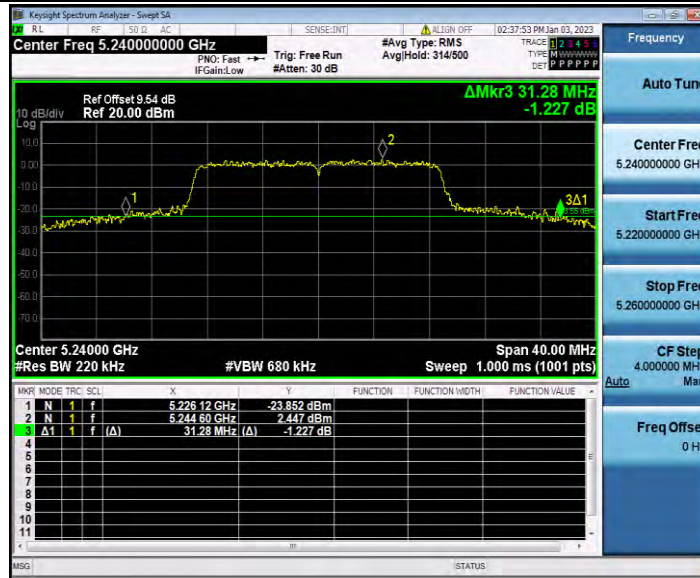
11N20SISO_Ant1_5180



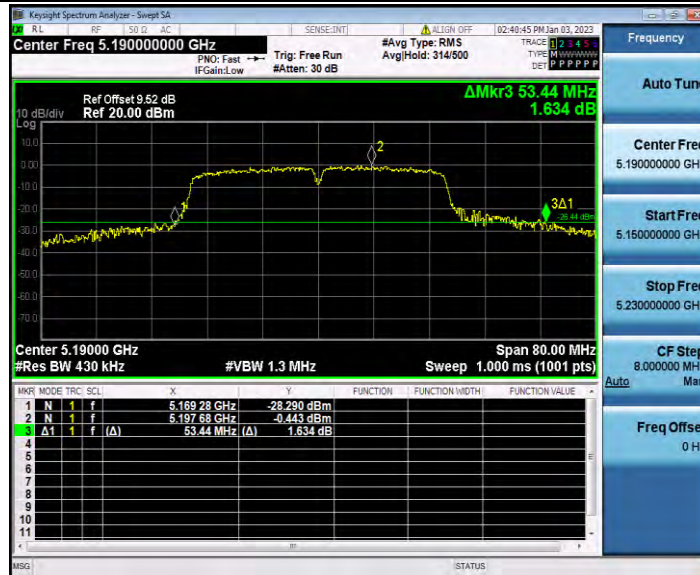
11N20SISO_Ant1_5200



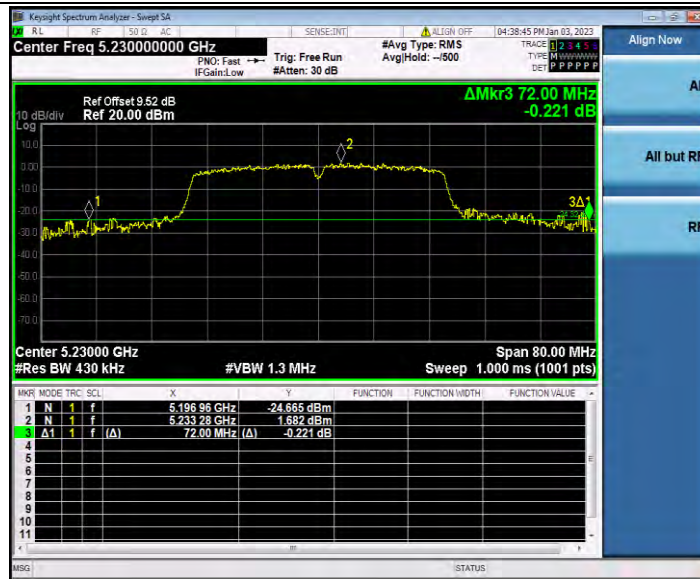
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



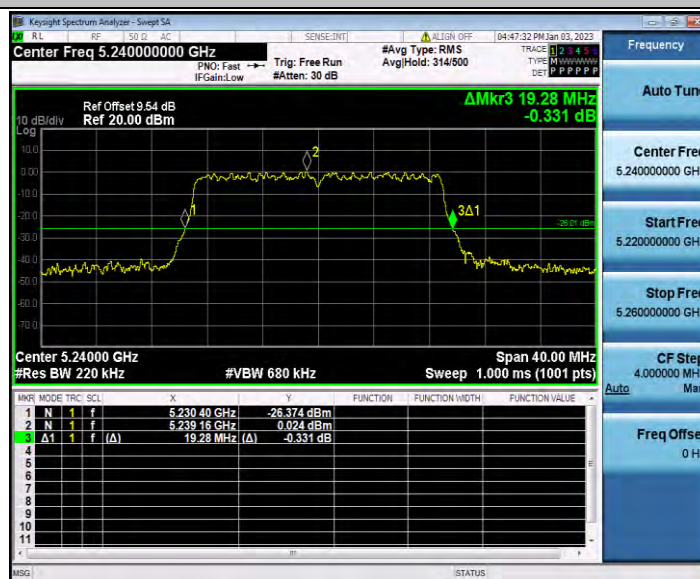
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



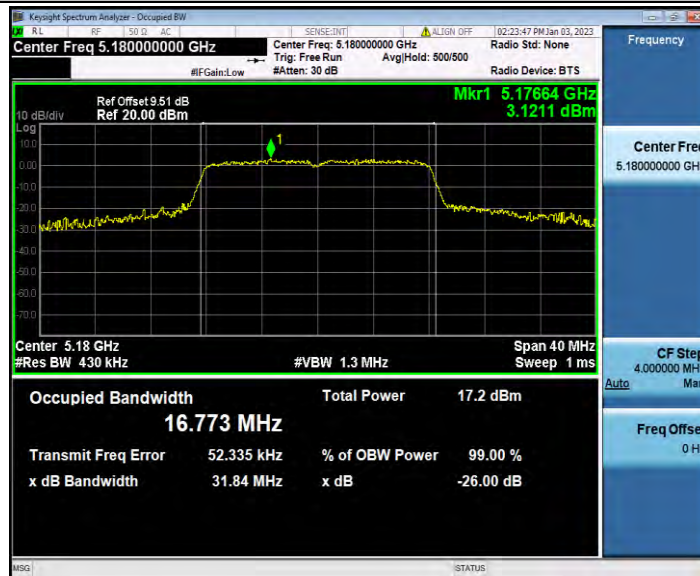
Appendix B.2: Occupied channel bandwidth

Test Result

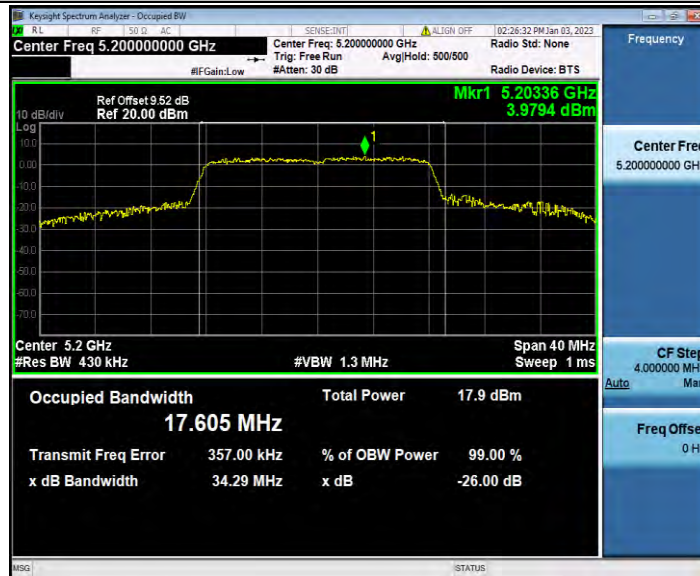
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.773	5171.666	5188.439	---	---
		5200	17.605	5191.555	5209.160	---	---
		5240	18.067	5231.412	5249.479	---	---
11N20SISO	Ant1	5180	18.033	5171.128	5189.161	---	---
		5200	18.260	5191.037	5209.297	---	---
		5240	18.313	5230.979	5249.292	---	---
11N40SISO	Ant1	5190	37.032	5171.851	5208.883	---	---
		5230	37.128	5211.720	5248.848	---	---
11AC20SISO	Ant1	5180	17.725	5171.153	5188.878	---	---
		5200	17.698	5191.154	5208.852	---	---
		5240	17.796	5231.122	5248.918	---	---
11AC40SISO	Ant1	5190	36.311	5171.905	5208.216	---	---
		5230	36.212	5211.911	5248.123	---	---
11AC80SISO	Ant1	5210	75.871	5172.250	5248.121	---	---

Test Graphs

11A_Ant1_5180



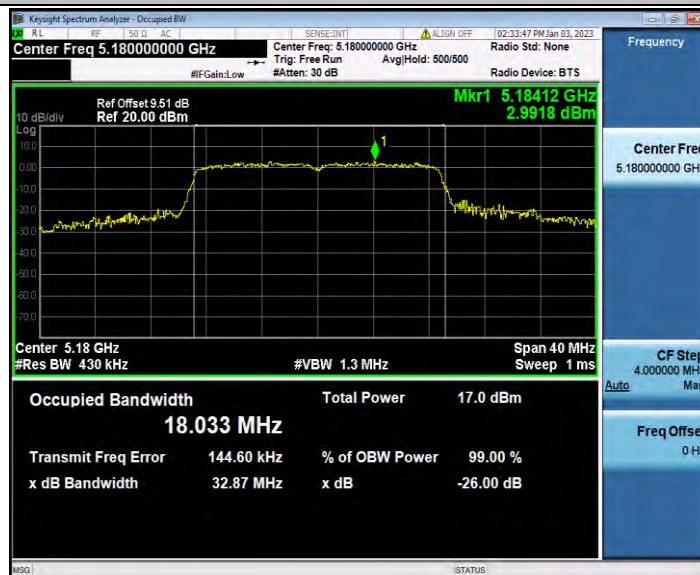
11A_Ant1_5200



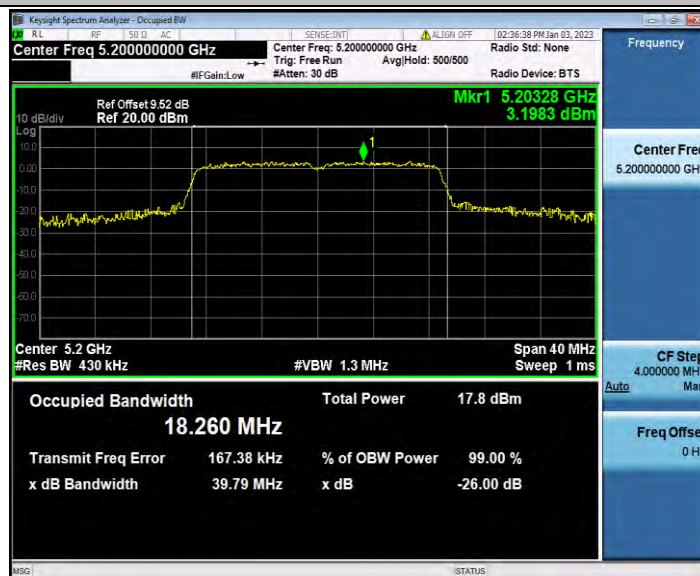
11A_Ant1_5240



11N20SISO_Ant1_5180



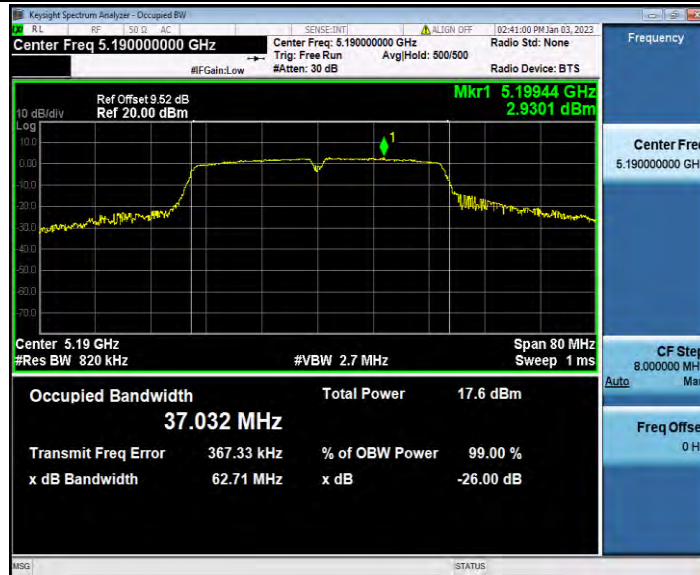
11N20SISO_Ant1_5200



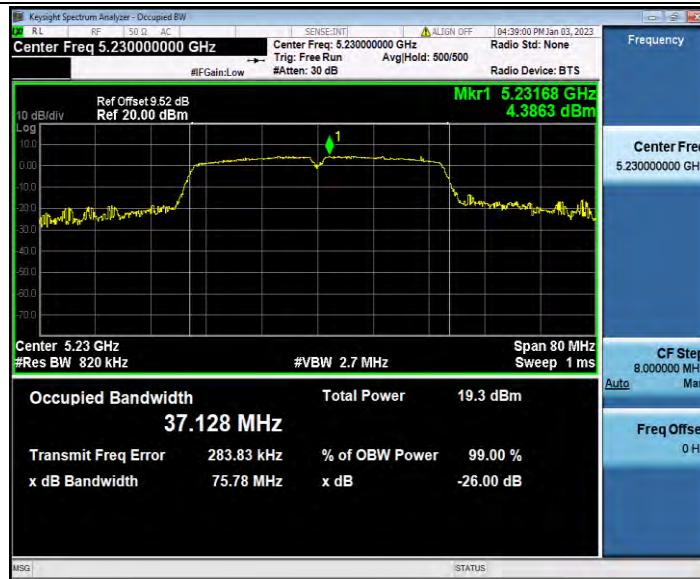
11N20SISO_Ant1_5240



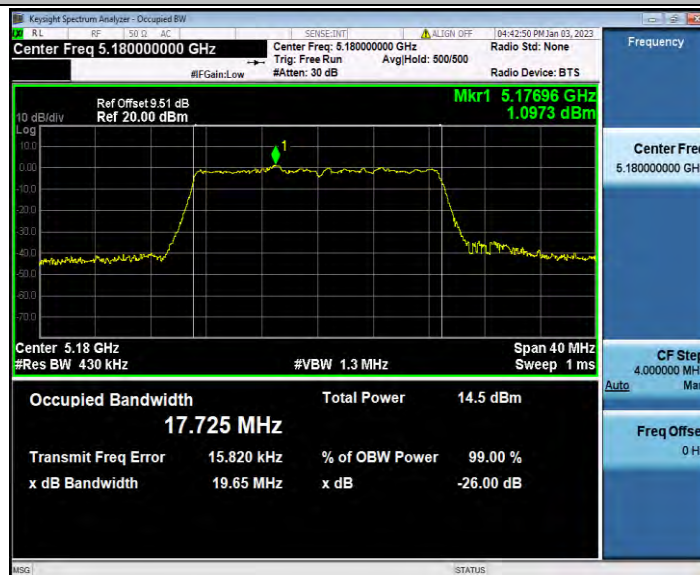
11N40SISO_Ant1_5190



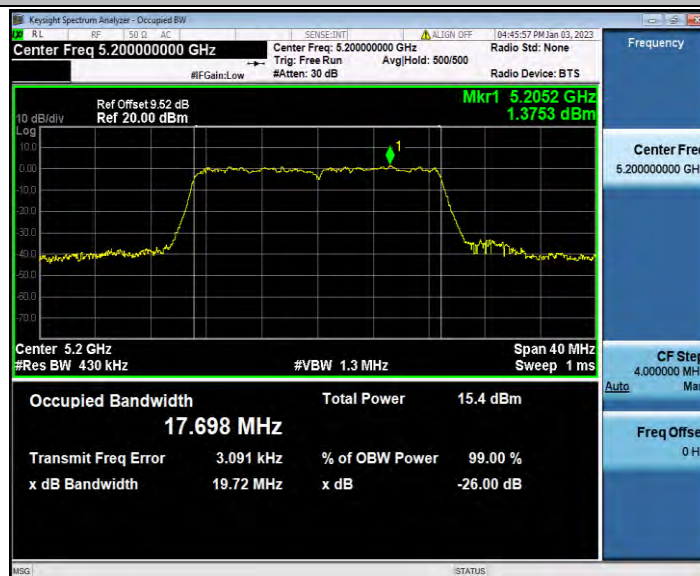
11N40SISO_Ant1_5230



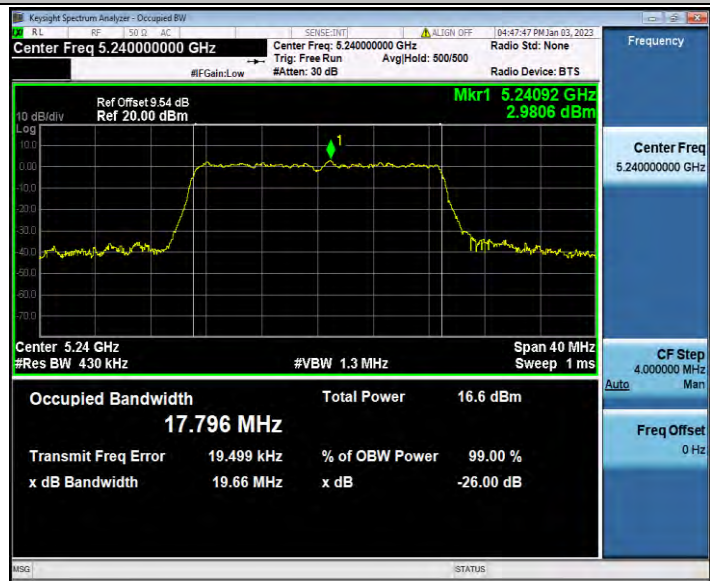
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



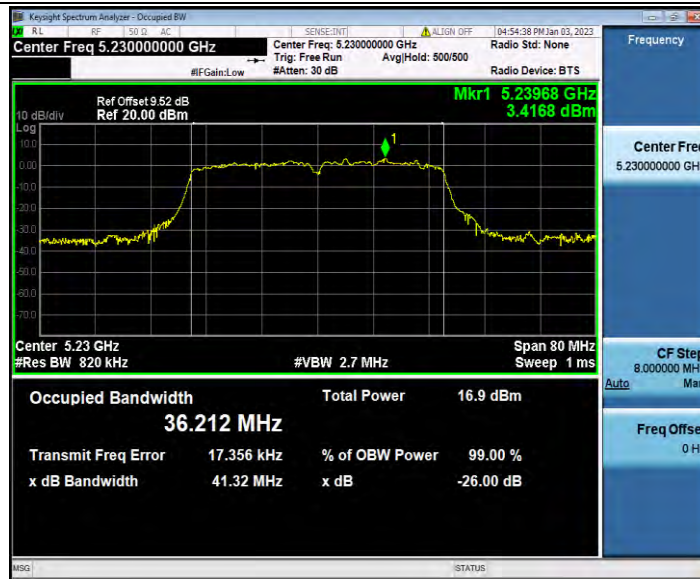
11AC20SISO_Ant1_5240



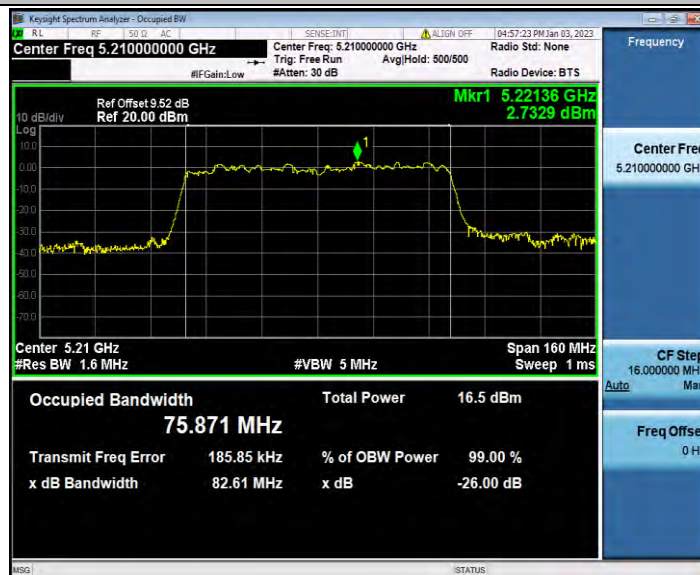
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



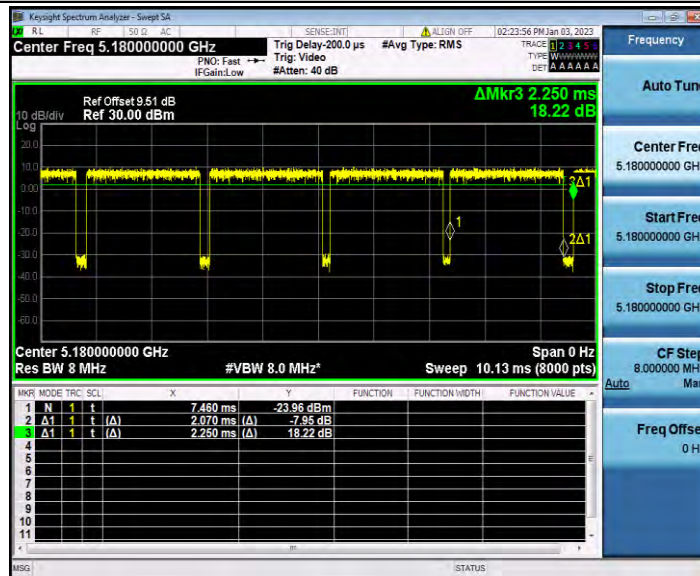
Appendix B.3: Duty Cycle

Test Result

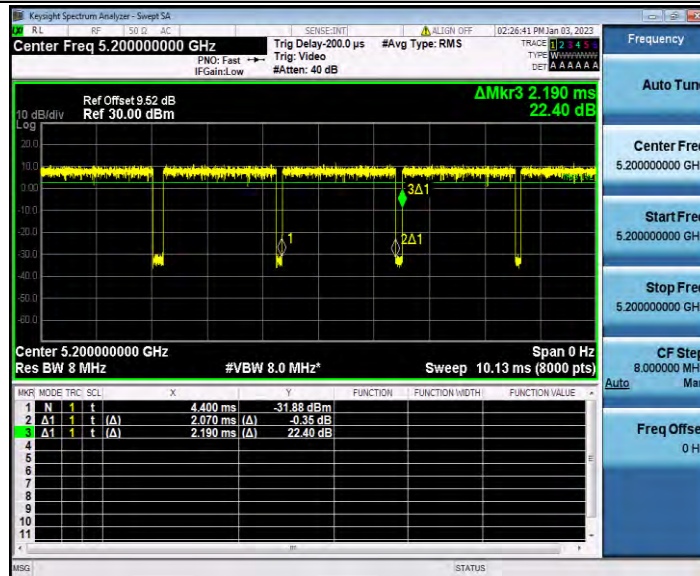
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.07	2.25	92.00
		5200	2.07	2.19	94.52
		5240	2.07	2.24	92.41
11N20SISO	Ant1	5180	1.92	2.12	90.57
		5200	1.92	2.07	92.75
		5240	1.92	2.13	90.14
11N40SISO	Ant1	5190	0.95	1.18	80.51
		5230	0.94	1.18	79.66
11AC20SISO	Ant1	5180	0.20	0.45	44.44
		5200	0.20	0.45	44.44
		5240	0.20	0.45	44.44
11AC40SISO	Ant1	5190	0.12	0.43	27.91
		5230	0.11	0.37	29.73
11AC80SISO	Ant1	5210	0.08	0.33	24.24

Test Graphs

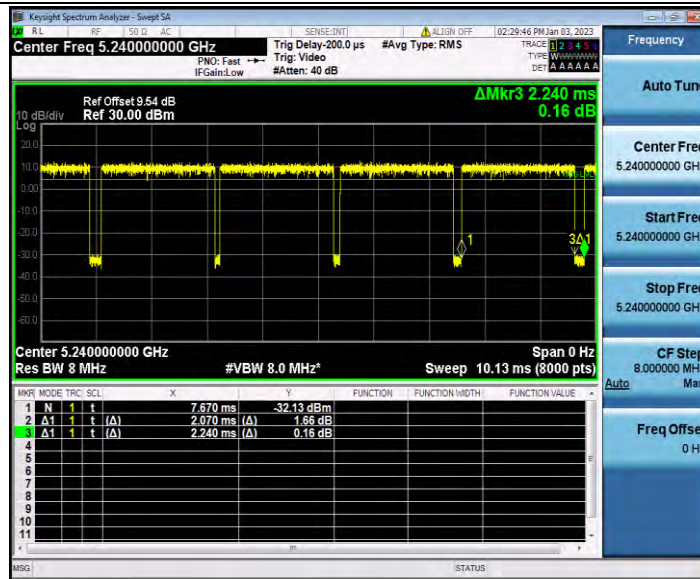
11A_Ant1_5180



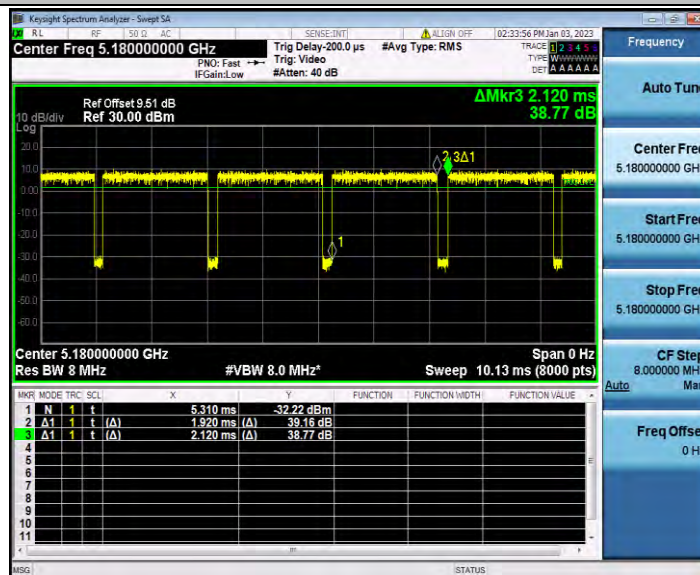
11A_Ant1_5200



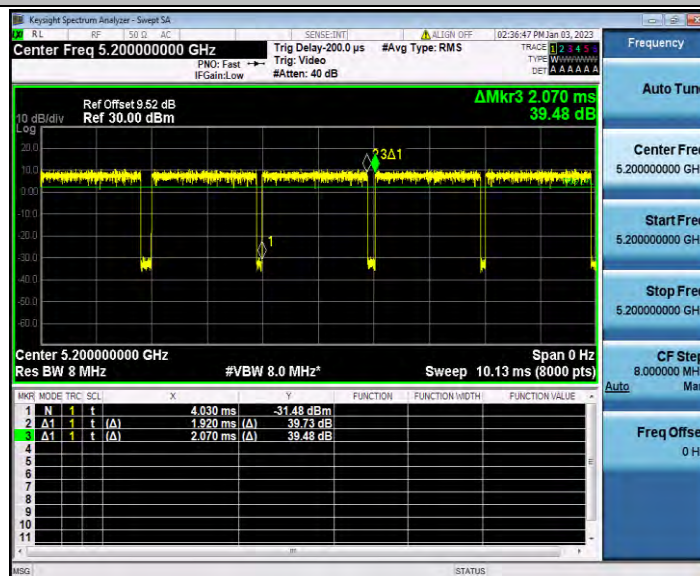
11A_Ant1_5240



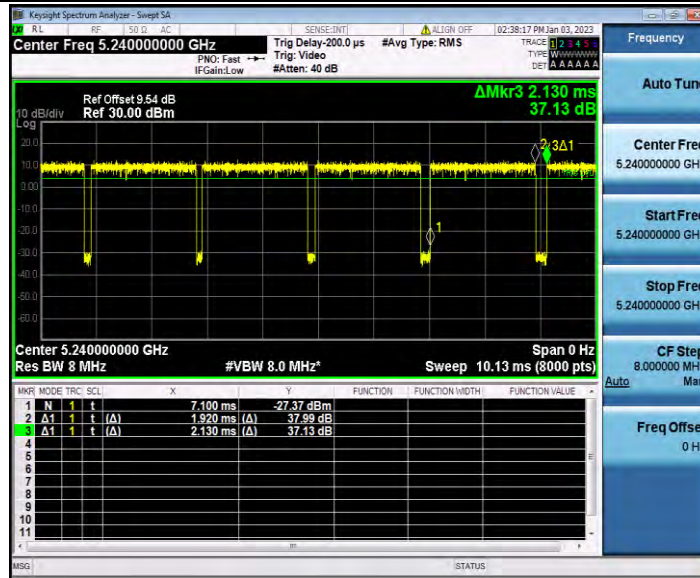
11N20SISO_Ant1_5180



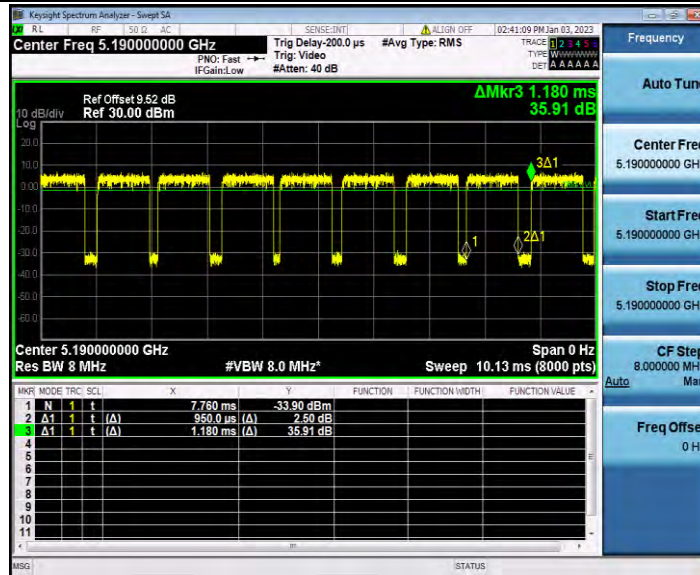
11N20SISO_Ant1_5200



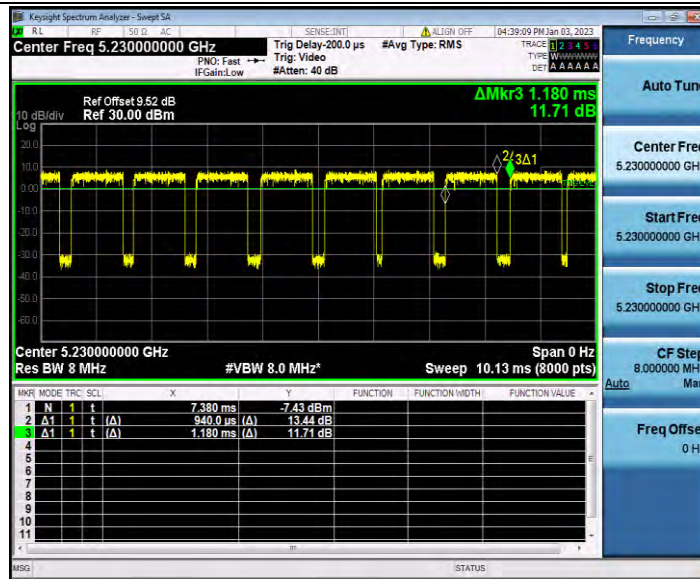
11N20SISO_Ant1_5240



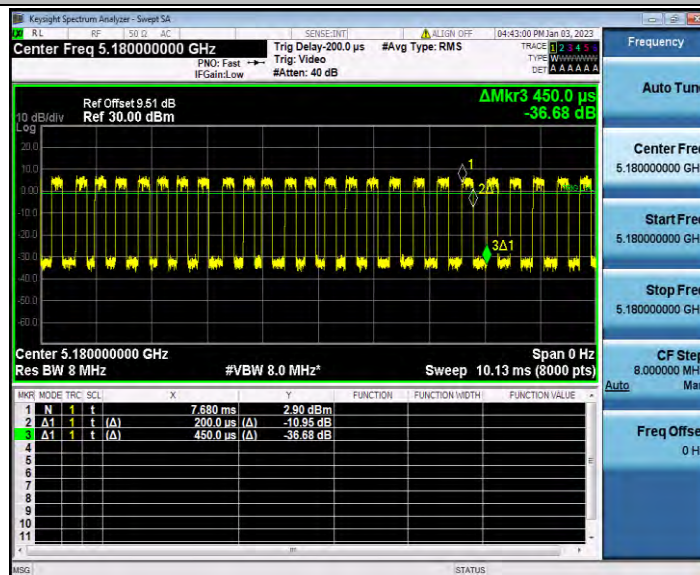
11N40SISO_Ant1_5190



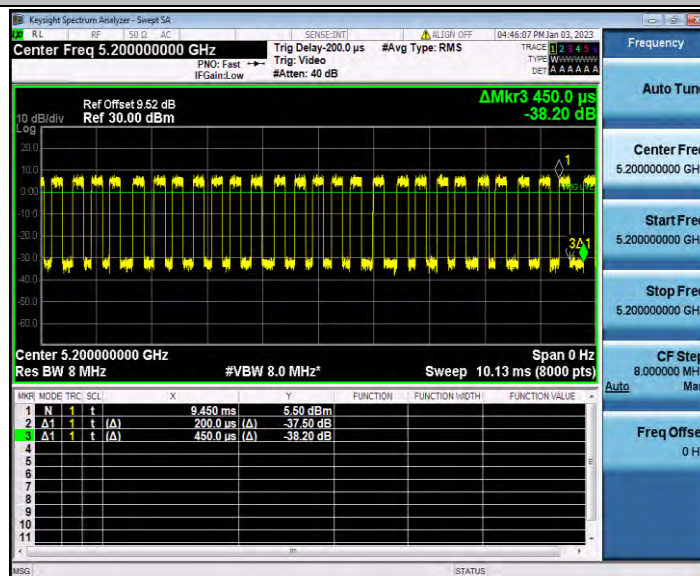
11N40SISO_Ant1_5230



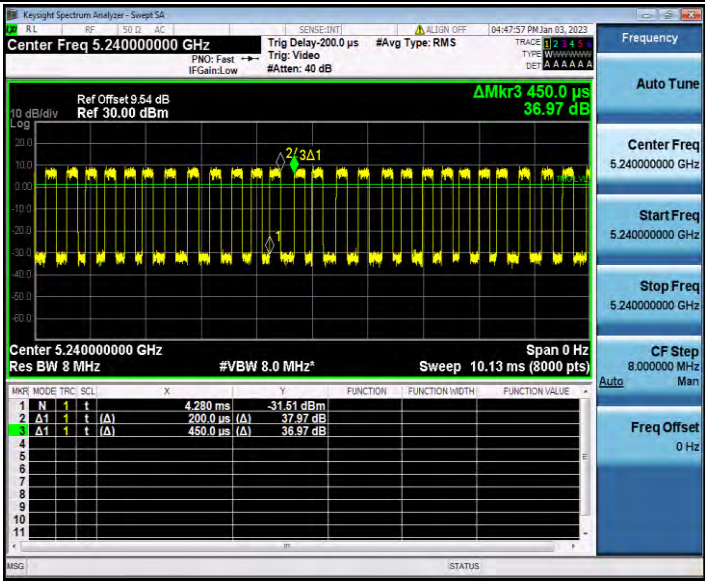
11AC20SISO_Ant1_5180



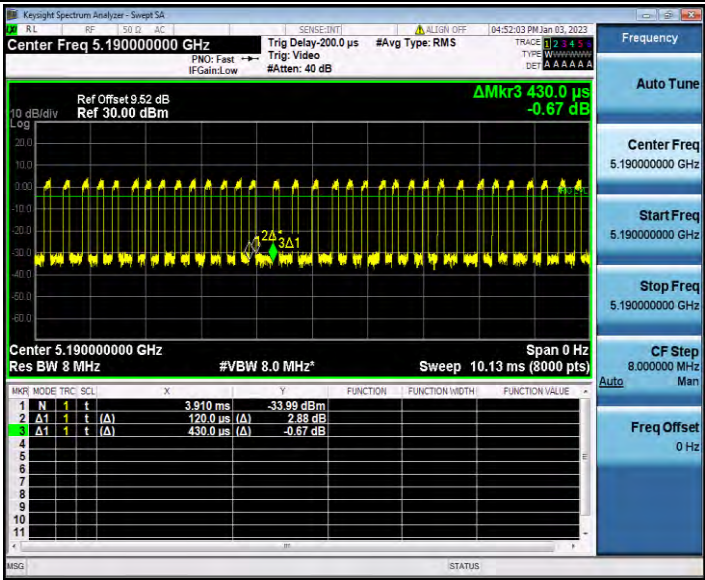
11AC20SISO_Ant1_5200



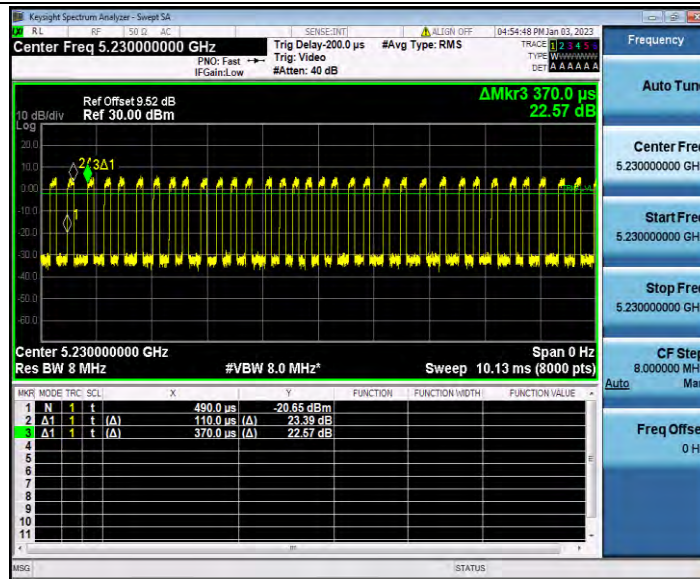
11AC20SISO_Ant1_5240



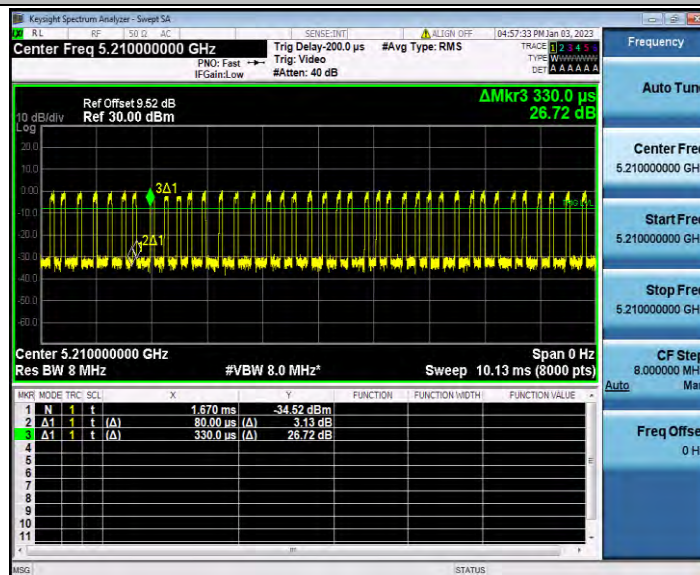
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix B.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.15	92.00	0.36	10.51	≤23.98	PASS
		5200	10.93	94.52	0.24	11.17	≤23.98	PASS
		5240	12.48	92.41	0.34	12.82	≤23.98	PASS
11N20SISO	Ant1	5180	9.98	90.57	0.43	10.41	≤23.98	PASS
		5200	10.82	92.75	0.33	11.15	≤23.98	PASS
		5240	12.36	90.14	0.45	12.81	≤23.98	PASS
11N40SISO	Ant1	5190	9.54	80.51	0.94	10.48	≤23.98	PASS
		5230	11.32	79.66	0.99	12.31	≤23.98	PASS
11AC20SISO	Ant1	5180	5.03	44.44	3.52	8.55	≤23.98	PASS
		5200	5.88	44.44	3.52	9.40	≤23.98	PASS
		5240	7.22	44.44	3.52	10.74	≤23.98	PASS
11AC40SISO	Ant1	5190	3.80	27.91	5.54	9.34	≤23.98	PASS
		5230	5.52	29.73	5.27	10.79	≤23.98	PASS
11AC80SISO	Ant1	5210	3.29	24.24	6.15	9.44	≤23.98	PASS

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

Appendix B.5: Maximum power spectral density

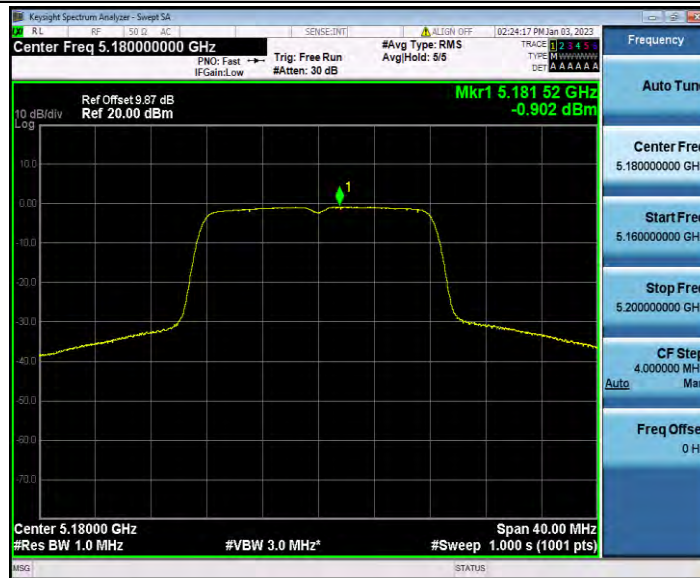
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.9	≤11.00	PASS
		5200	-0.24	≤11.00	PASS
		5240	1.43	≤11.00	PASS
11N20SISO	Ant1	5180	-1.28	≤11.00	PASS
		5200	-0.51	≤11.00	PASS
		5240	1.19	≤11.00	PASS
11N40SISO	Ant1	5190	-3.5	≤11.00	PASS
		5230	-1.55	≤11.00	PASS
11AC20SISO	Ant1	5180	-2.77	≤11.00	PASS
		5200	-1.74	≤11.00	PASS
		5240	-0.46	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.08	≤11.00	PASS
		5230	-2.19	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.11	≤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



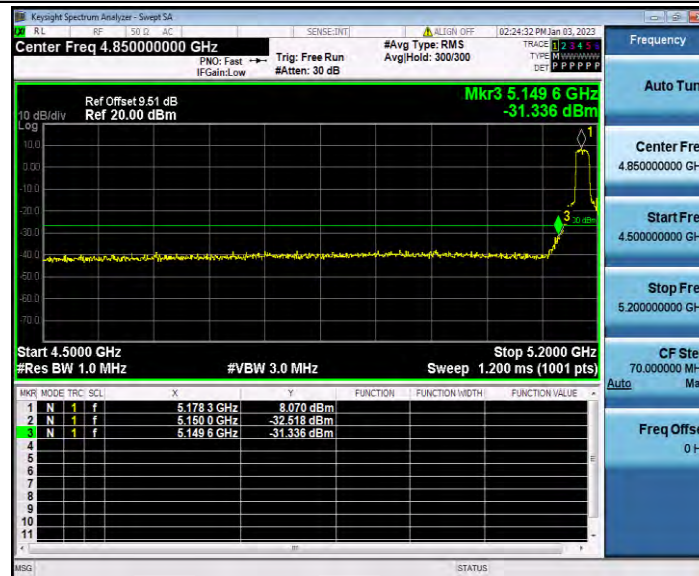
Appendix B.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-31.34	≤-27	PASS
		High	5240	-38.14	≤-27	PASS
11N20SISO	Ant1	Low	5180	-30.69	≤-27	PASS
		High	5240	-38.07	≤-27	PASS
11N40SISO	Ant1	Low	5190	-28.8	≤-27	PASS
		High	5230	-37.52	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-38.01	≤-27	PASS
		High	5240	-37.53	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-37.09	≤-27	PASS
		High	5230	-38.2	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-36.7	≤-27	PASS
		High	5210	-37.6	≤-27	PASS

Test Graphs B1

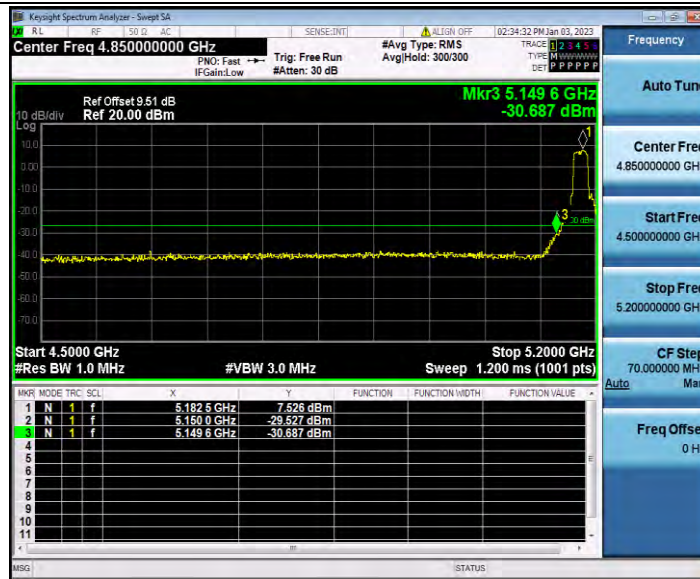
11A_Ant1_Low_5180



11A_Ant1_High_5240



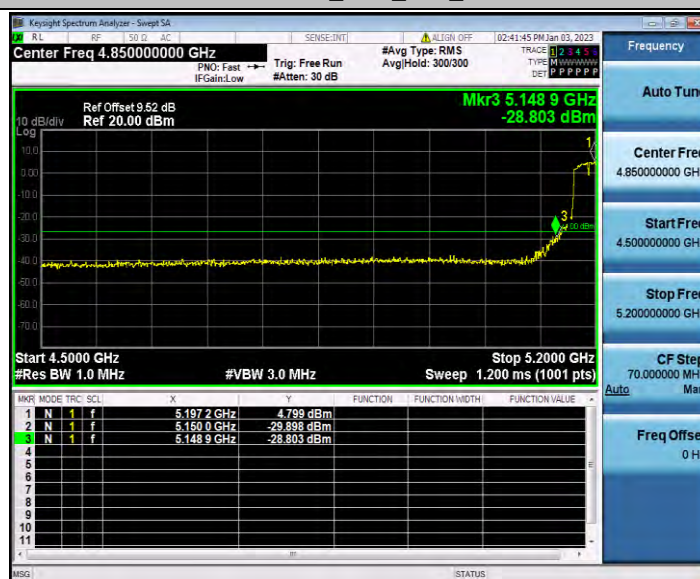
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



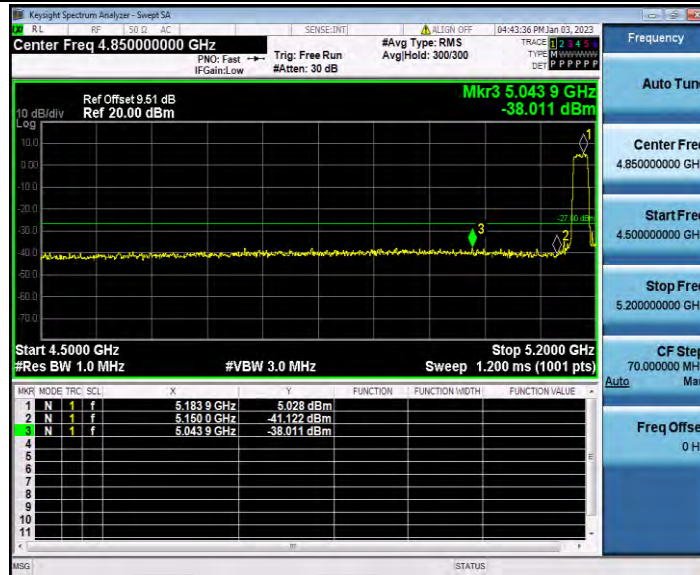
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



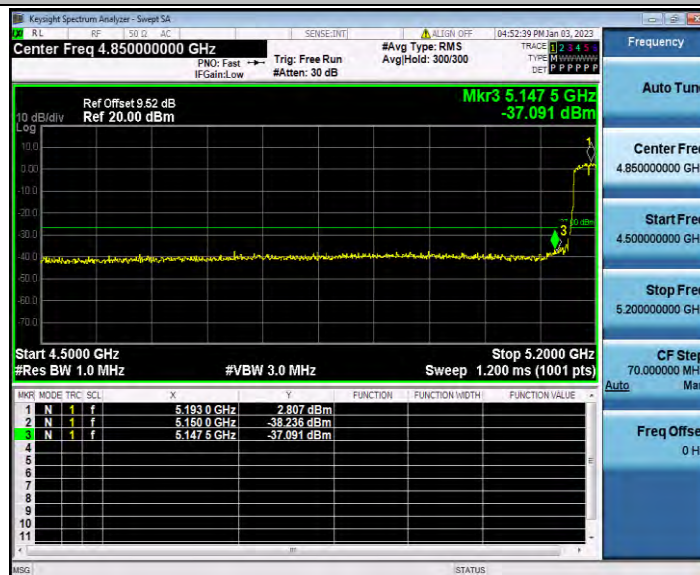
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



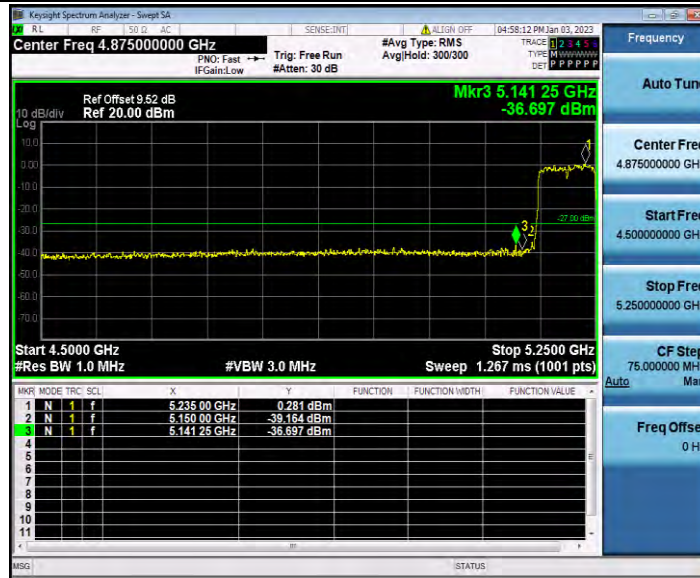
11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix B.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	5138.98	-40.91	≤-27	PASS
			5360~40000	24191.85	-36.8	≤-27	PASS
		5200	30~5140	4958.08	-46.94	≤-27	PASS
			5360~40000	26096.89	-38.46	≤-27	PASS
		5240	30~5140	2702.87	-46.88	≤-27	PASS
			5360~40000	25676.35	-38.13	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5139.83	-40.02	≤-27	PASS
			5360~40000	24275.52	-37.46	≤-27	PASS
		5200	30~5140	1759.39	-38.28	≤-27	PASS
			5360~40000	26695.6	-38.02	≤-27	PASS
		5240	30~5140	1755.65	-40.84	≤-27	PASS
			5360~40000	24276.25	-37.5	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5139.66	-36.57	≤-27	PASS
			5360~40000	24219.26	-38.05	≤-27	PASS
		5230	30~5140	5138.3	-45.83	≤-27	PASS
			5360~40000	24283.46	-37.58	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	1744.92	-45.54	≤-27	PASS
			5360~40000	25609.99	-38.34	≤-27	PASS
		5200	30~5140	5081.06	-47.19	≤-27	PASS
			5360~40000	24336.84	-37.15	≤-27	PASS
		5240	30~5140	5013.1	-46.38	≤-27	PASS
			5360~40000	23461.86	-37.29	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5137.45	-41.38	≤-27	PASS
			5360~40000	26765.57	-37.35	≤-27	PASS
		5230	30~5140	3152.89	-47.11	≤-27	PASS
			5360~40000	26866.55	-37.61	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5131.31	-39.65	≤-27	PASS
			5360~40000	23523.17	-37.53	≤-27	PASS

Test Graphs

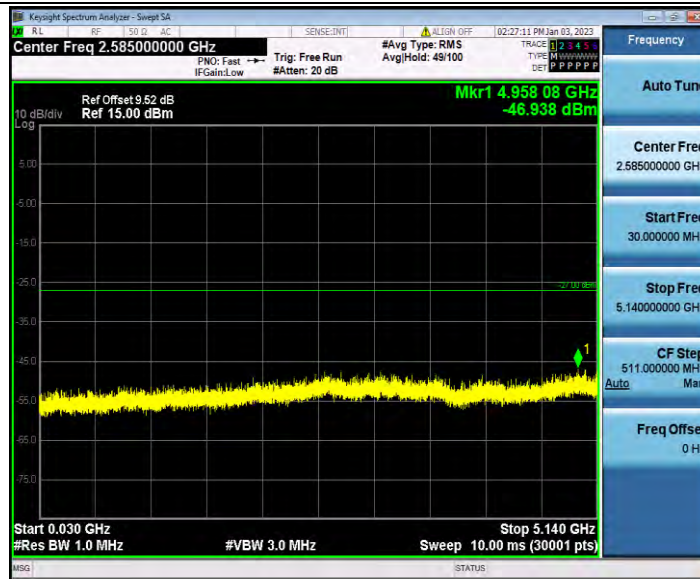
11A_Ant1_5180_30~5140



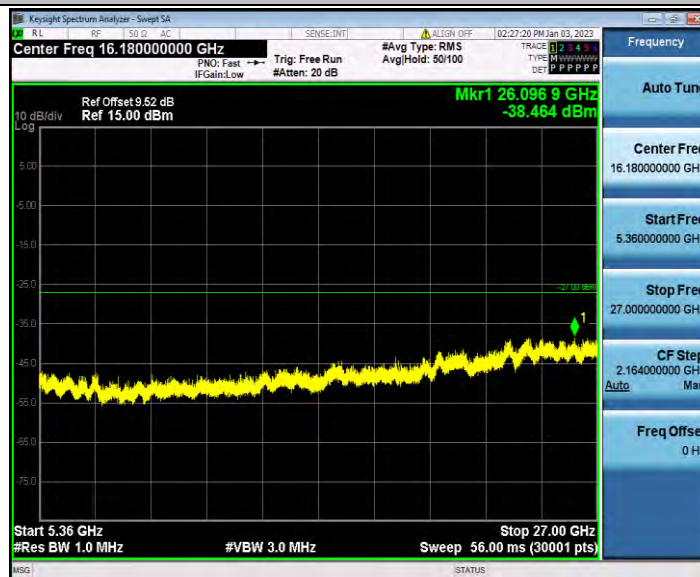
11A_Ant1_5180_5360~40000



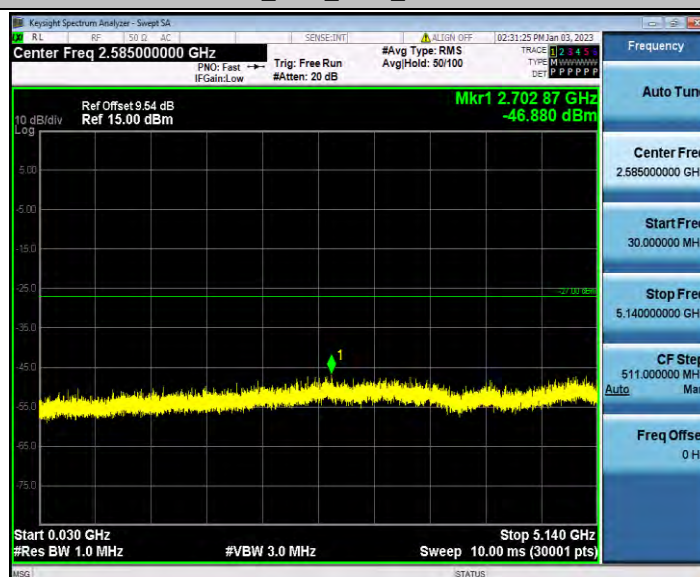
11A_Ant1_5200_30~5140



11A_Ant1_5200_5360~40000



11A_Ant1_5240_30~5140



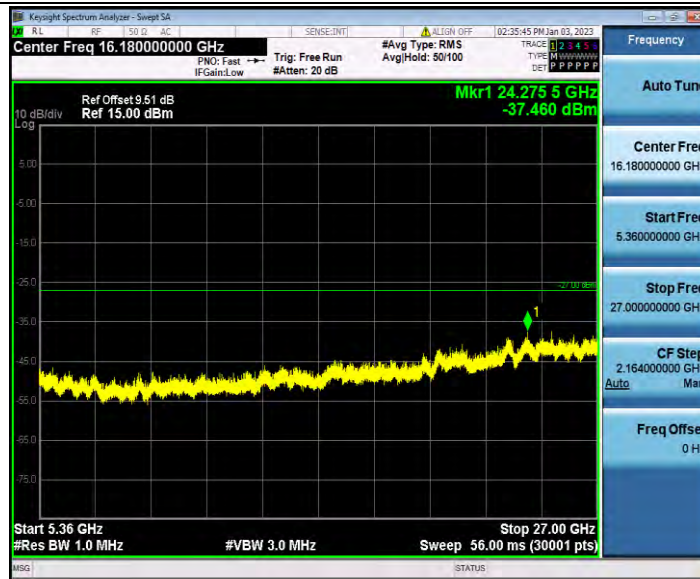
11A_Ant1_5240_5360~40000



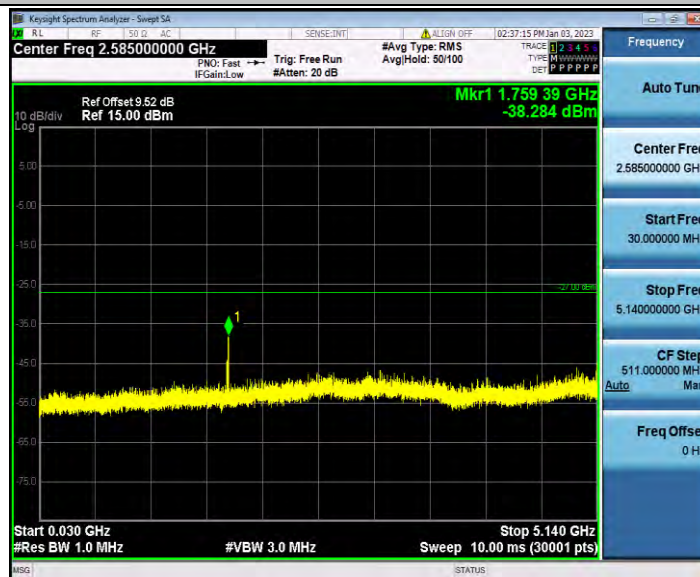
11N20SISO_Ant1_5180_30~5140



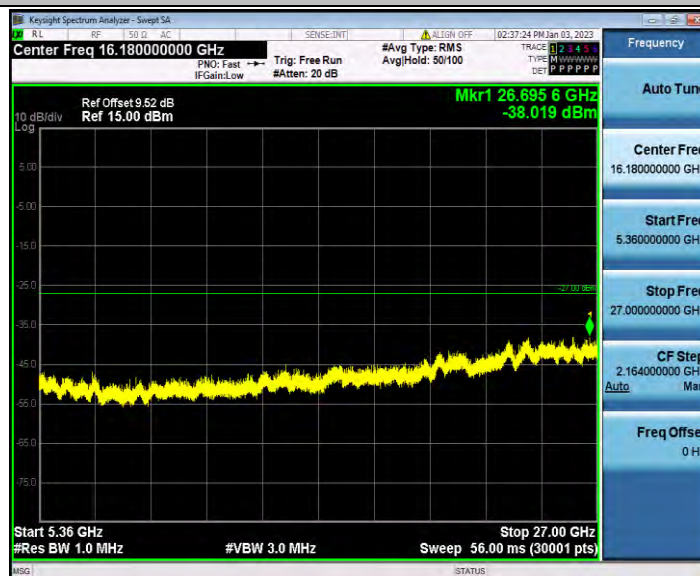
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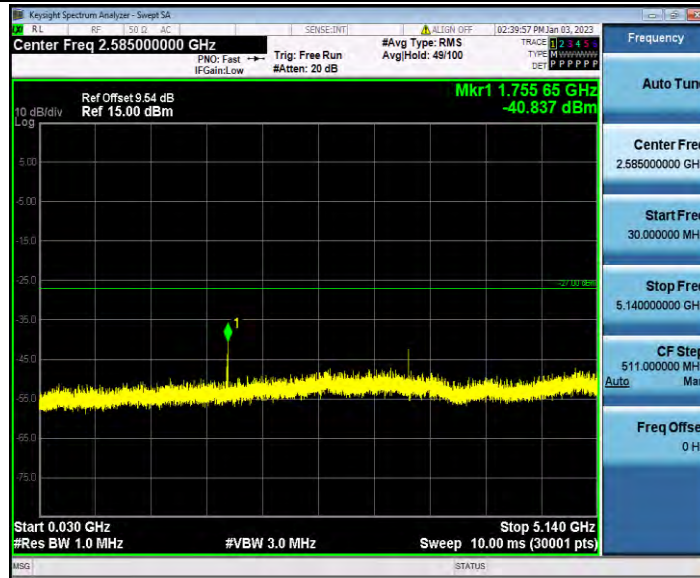
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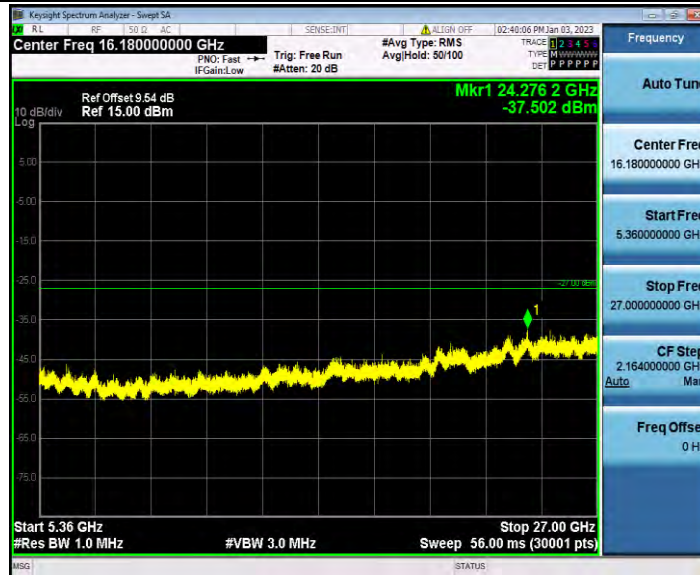
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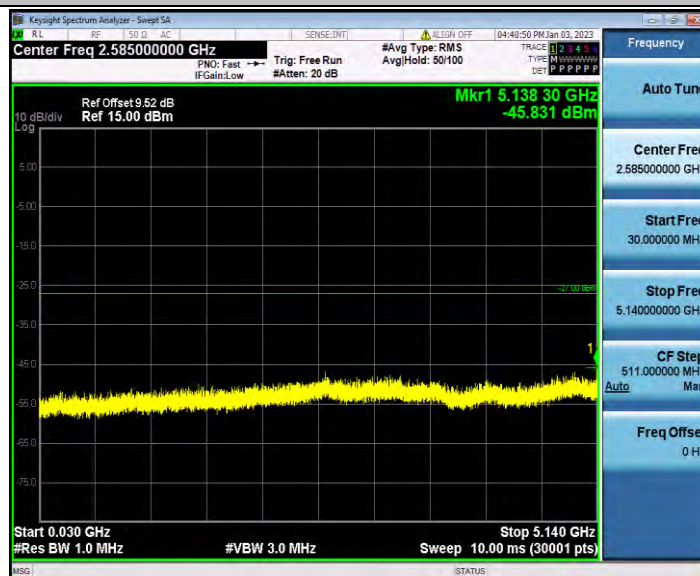
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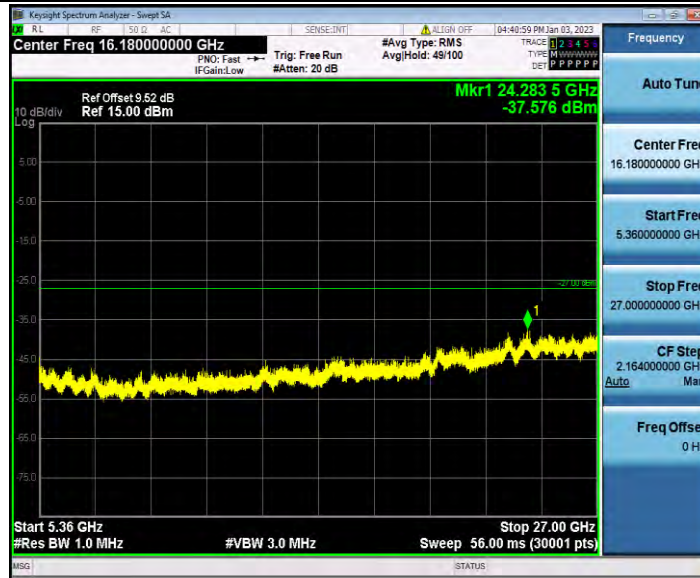
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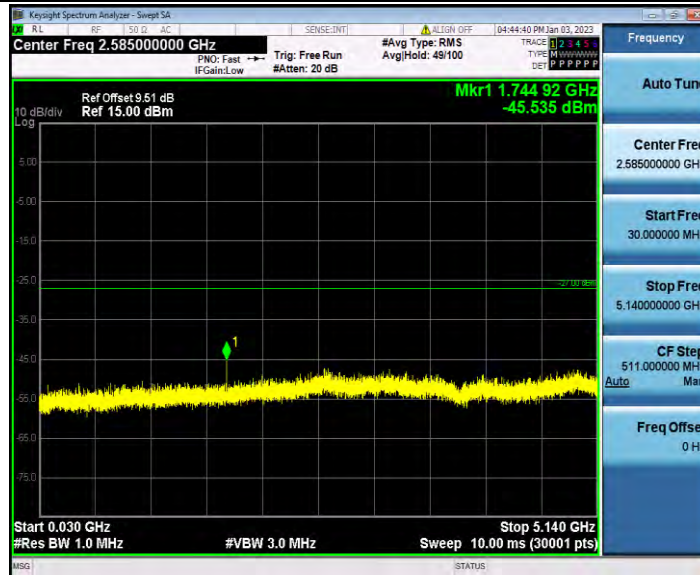
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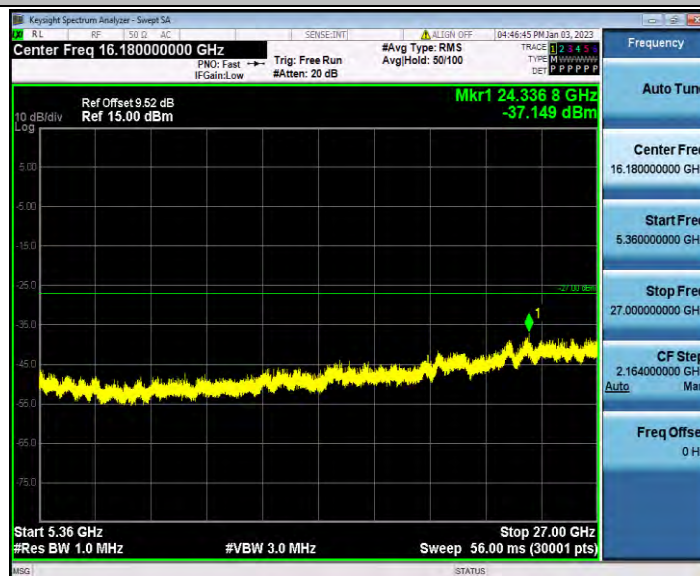
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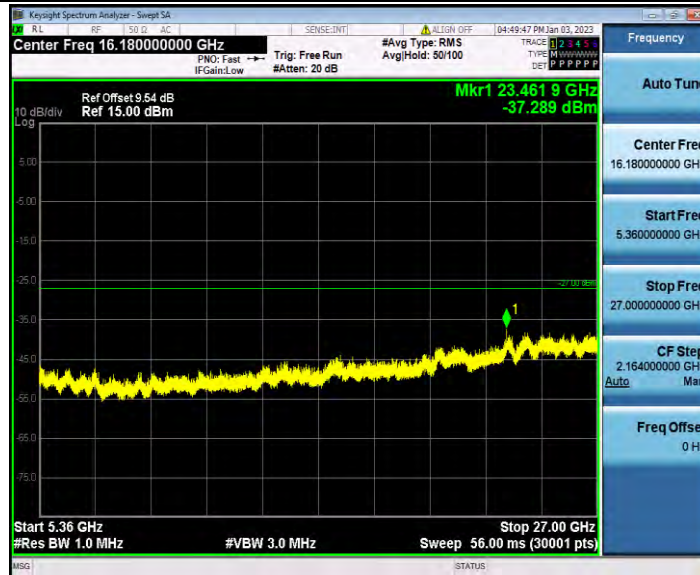
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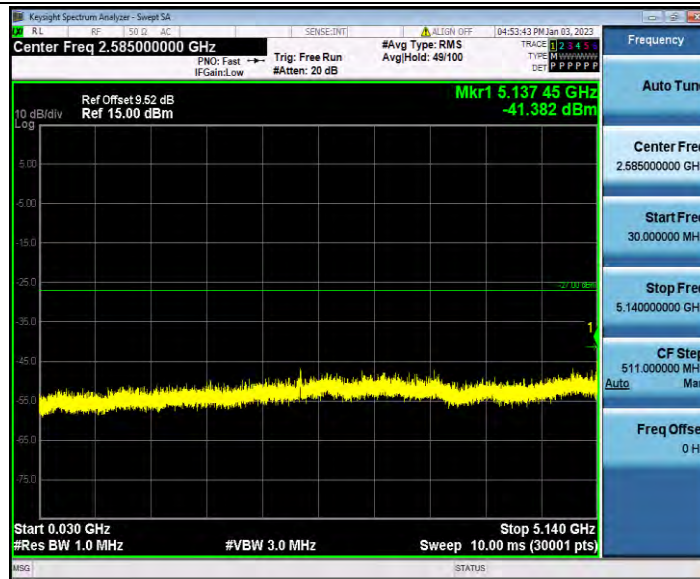
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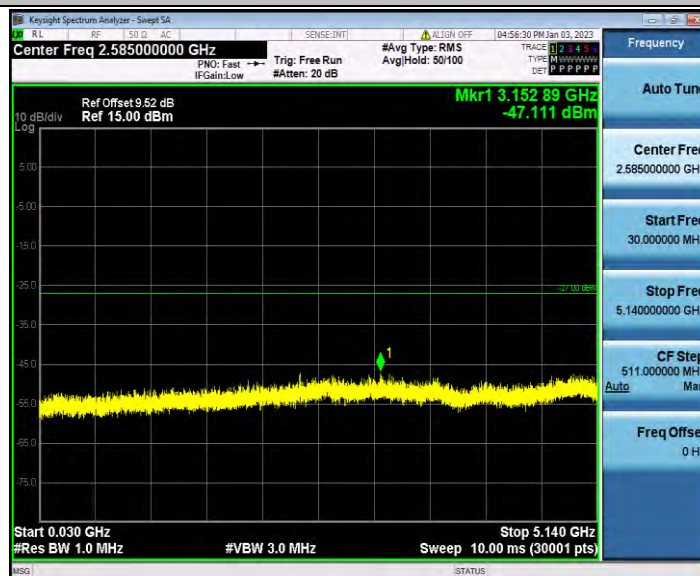
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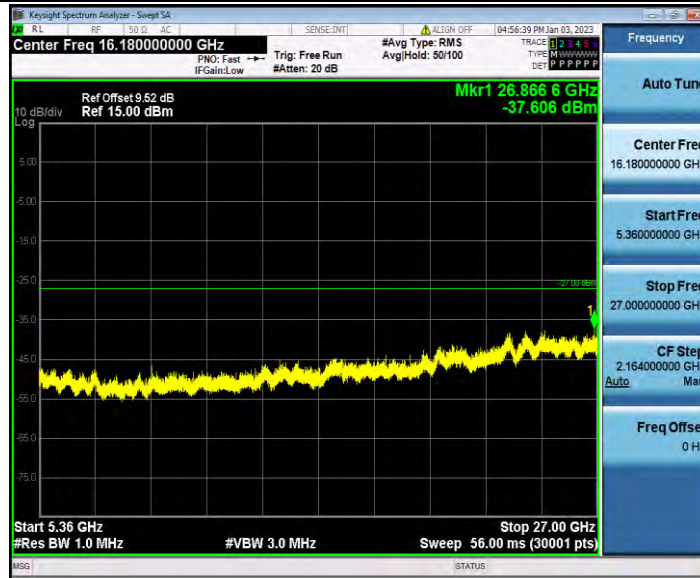
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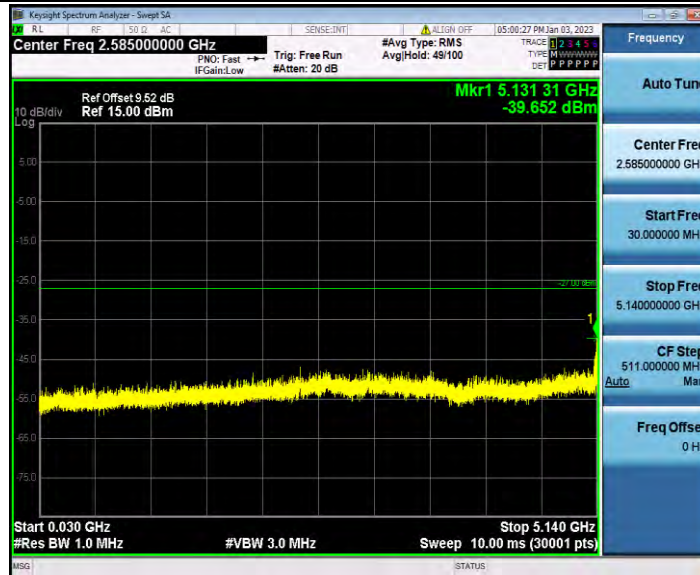
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_5360~40000



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