

Case No. : GTS20221206017-1-2	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.30	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	18.680	5170.680	5189.360	---	---
		5200	18.720	5190.600	5209.320	---	---
		5240	18.680	5230.600	5249.280	---	---
11N20SISO	Ant1	5180	19.560	5170.280	5189.840	---	---
		5200	19.400	5190.280	5209.680	---	---
		5240	19.520	5230.280	5249.800	---	---
11N40SISO	Ant1	5190	40.880	5169.760	5210.640	---	---
		5230	40.880	5209.760	5250.640	---	---
11AC20SISO	Ant1	5180	19.280	5170.400	5189.680	---	---
		5200	19.440	5190.360	5209.800	---	---
		5240	19.240	5230.360	5249.600	---	---
11AC40SISO	Ant1	5190	40.080	5169.920	5210.000	---	---
		5230	40.080	5209.840	5249.920	---	---
11AC80SISO	Ant1	5210	81.280	5169.840	5251.120	---	---

Test Graphs

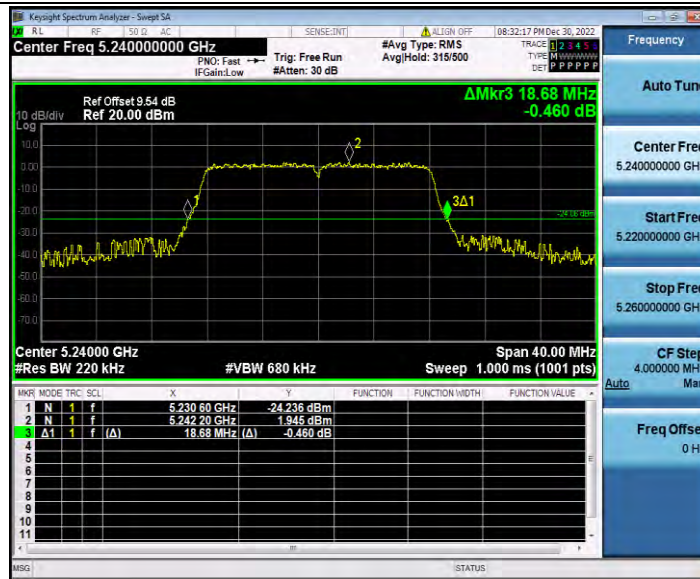
11A_Ant1_5180



11A_Ant1_5200



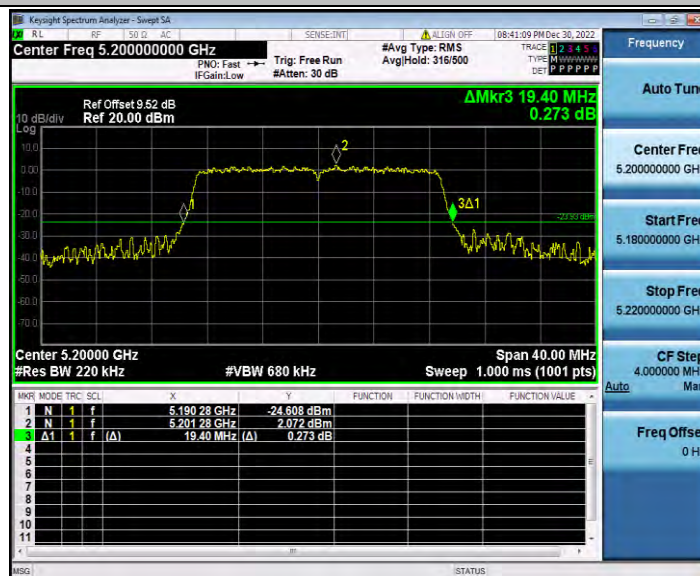
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



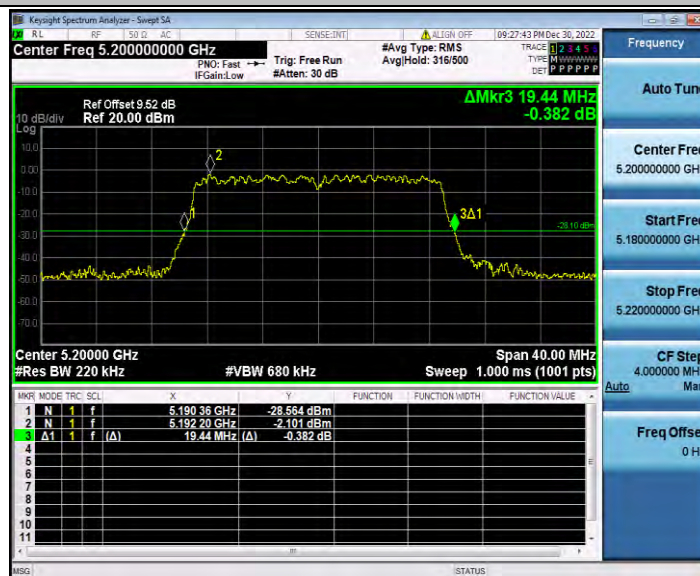
11N40SISO_Ant1_5230



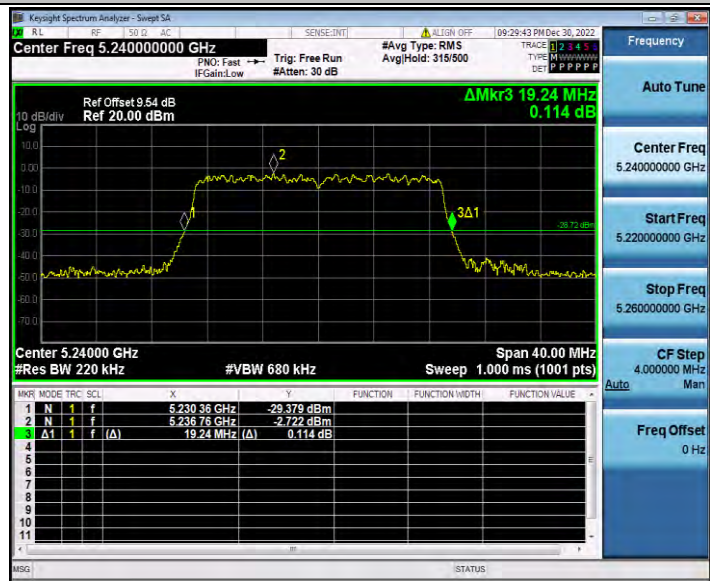
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



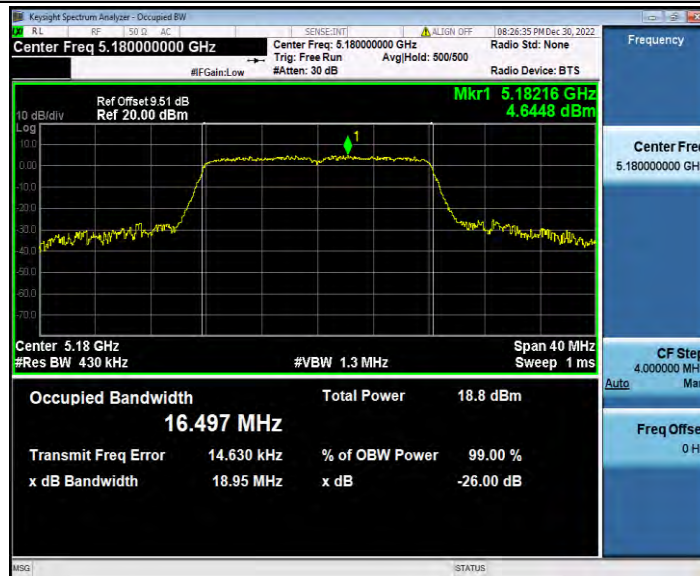
Appendix B.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.497	5171.766	5188.263	---	---
		5200	16.516	5191.729	5208.245	---	---
		5240	16.497	5231.746	5248.243	---	---
11N20SISO	Ant1	5180	17.634	5171.195	5188.829	---	---
		5200	17.627	5191.176	5208.803	---	---
		5240	17.641	5231.172	5248.813	---	---
11N40SISO	Ant1	5190	36.317	5171.860	5208.177	---	---
		5230	36.326	5211.886	5248.212	---	---
11AC20SISO	Ant1	5180	17.657	5171.179	5188.836	---	---
		5200	17.750	5191.107	5208.857	---	---
		5240	17.670	5231.165	5248.835	---	---
11AC40SISO	Ant1	5190	36.184	5171.910	5208.094	---	---
		5230	36.350	5211.936	5248.286	---	---
11AC80SISO	Ant1	5210	75.547	5172.337	5247.884	---	---

Test Graphs

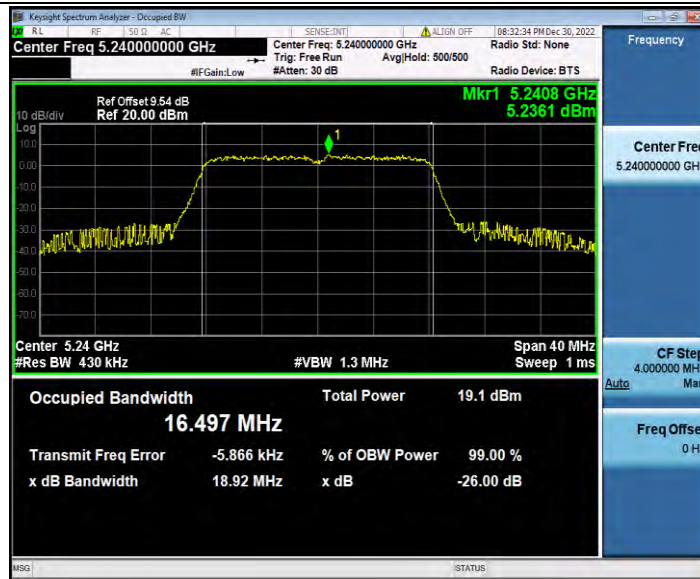
11A_Ant1_5180



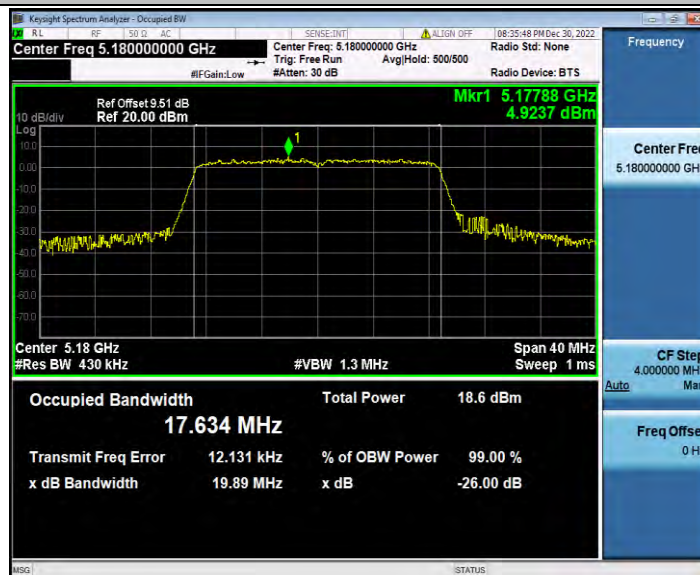
11A_Ant1_5200



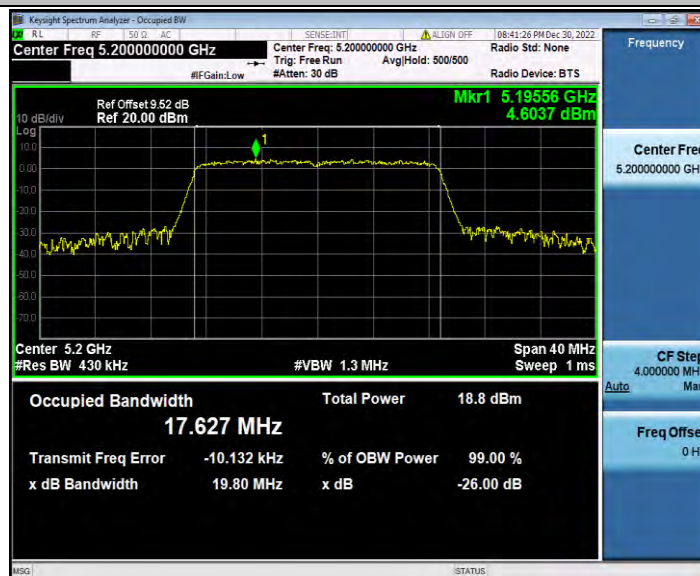
11A_Ant1_5240



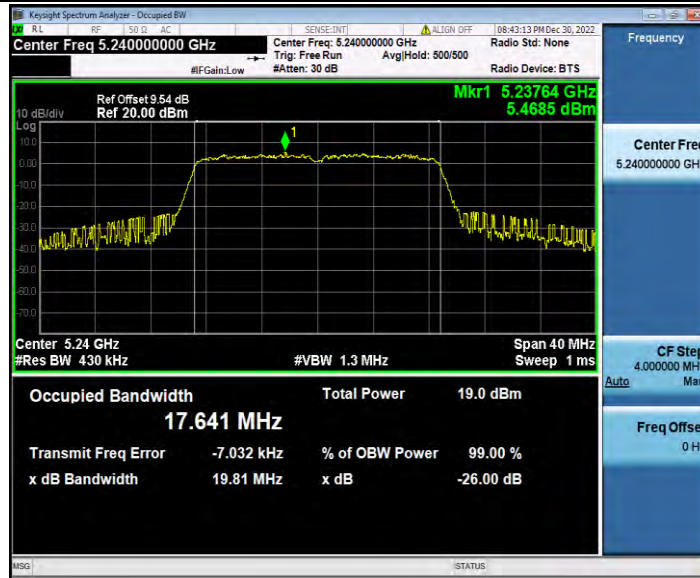
11N20SISO_Ant1_5180



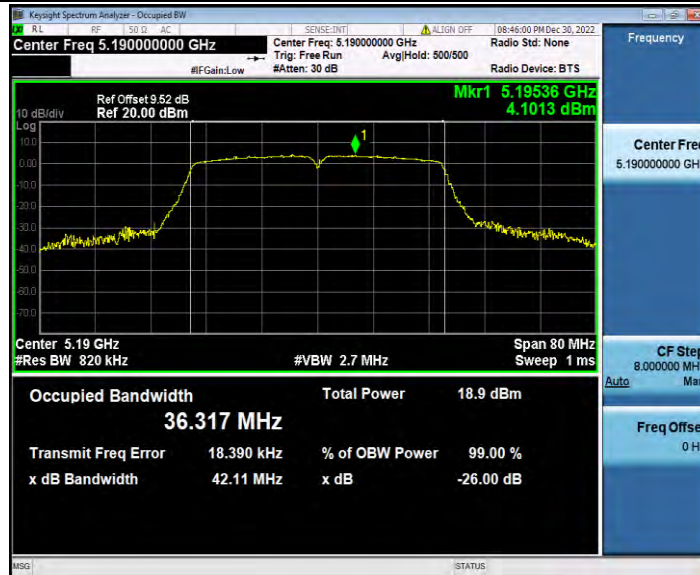
11N20SISO_Ant1_5200



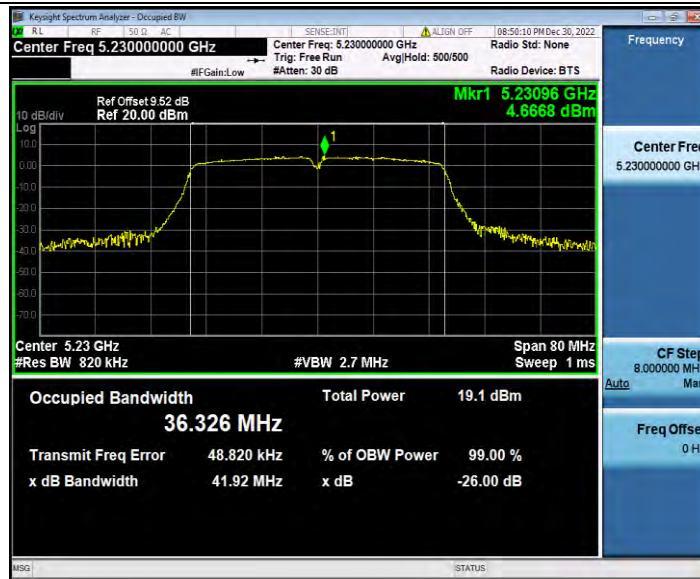
11N20SISO_Ant1_5240



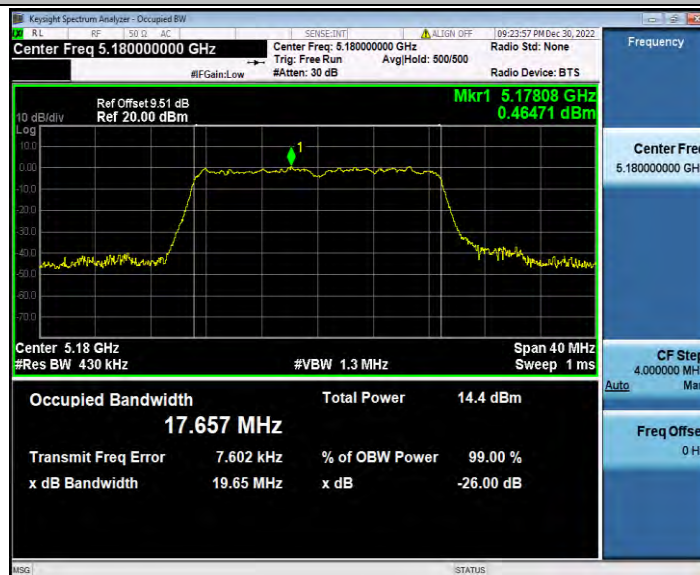
11N40SISO_Ant1_5190



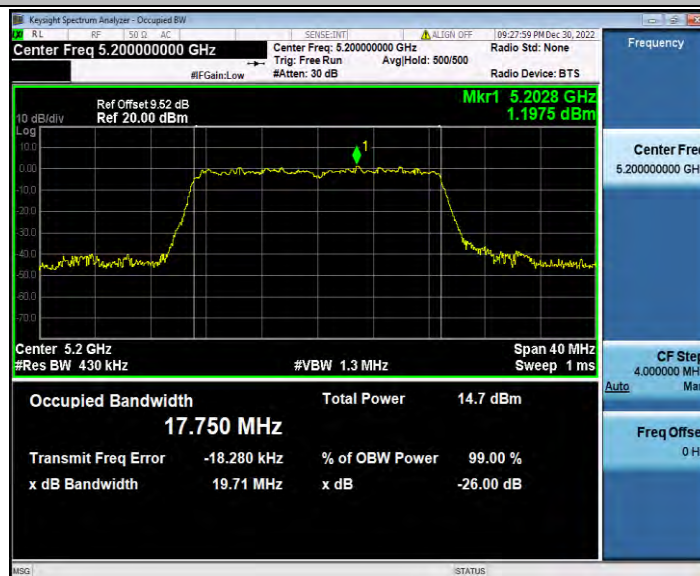
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



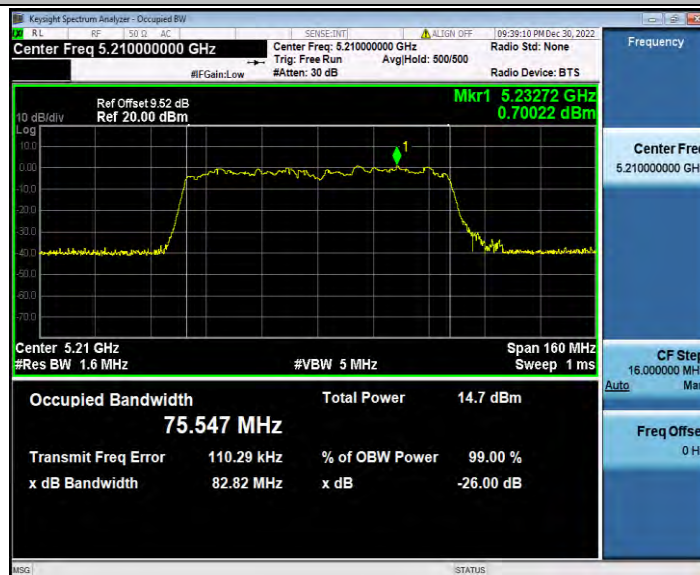
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



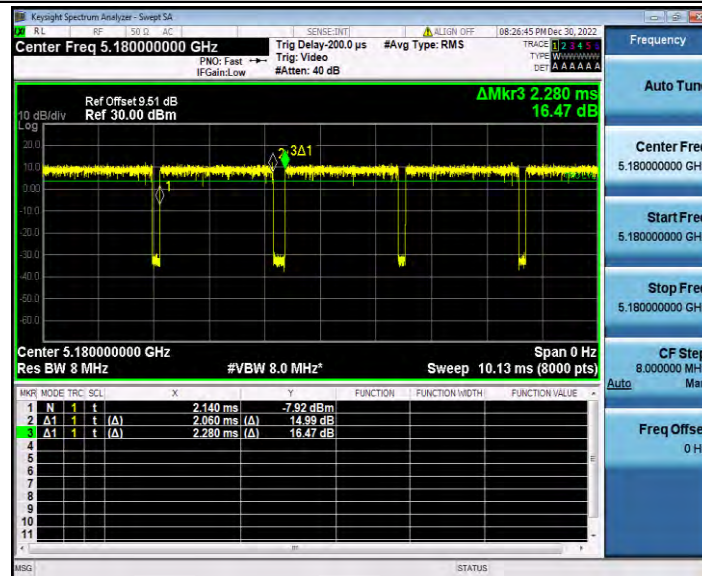
Appendix B.4: Duty Cycle

Test Result

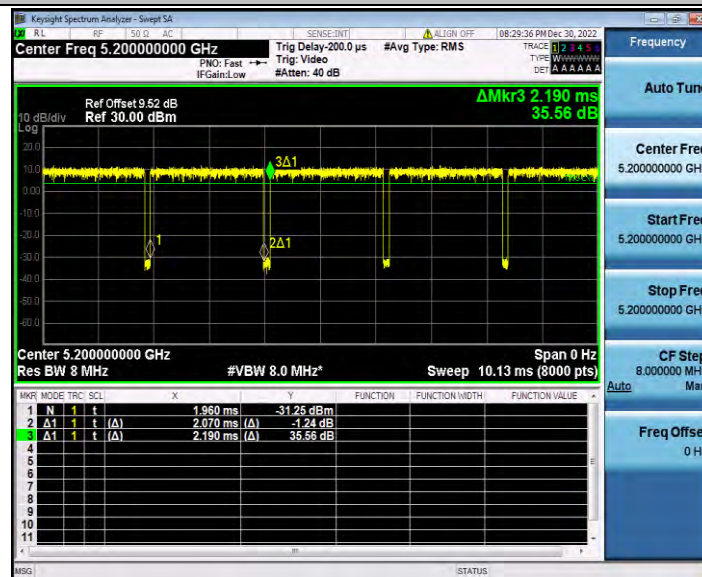
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.06	2.28	90.35
		5200	2.07	2.19	94.52
		5240	2.07	2.30	90.00
11N20SISO	Ant1	5180	1.92	2.10	91.43
		5200	1.92	2.09	91.87
		5240	1.92	2.14	89.72
11N40SISO	Ant1	5190	0.95	1.18	80.51
		5230	0.95	1.18	80.51
11AC20SISO	Ant1	5180	0.20	0.44	45.45
		5200	0.20	0.45	44.44
		5240	0.20	0.45	44.44
11AC40SISO	Ant1	5190	0.11	0.37	29.73
		5230	0.11	0.37	29.73
11AC80SISO	Ant1	5210	0.07	0.33	21.21

Test Graphs

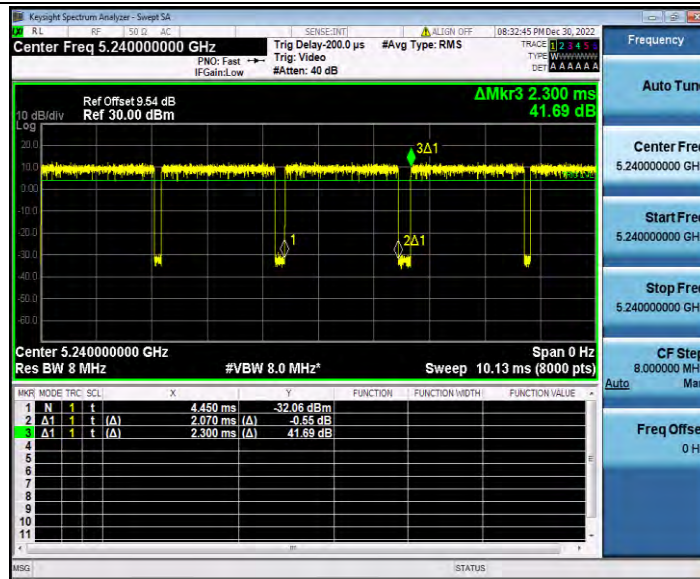
11A_Ant1_5180



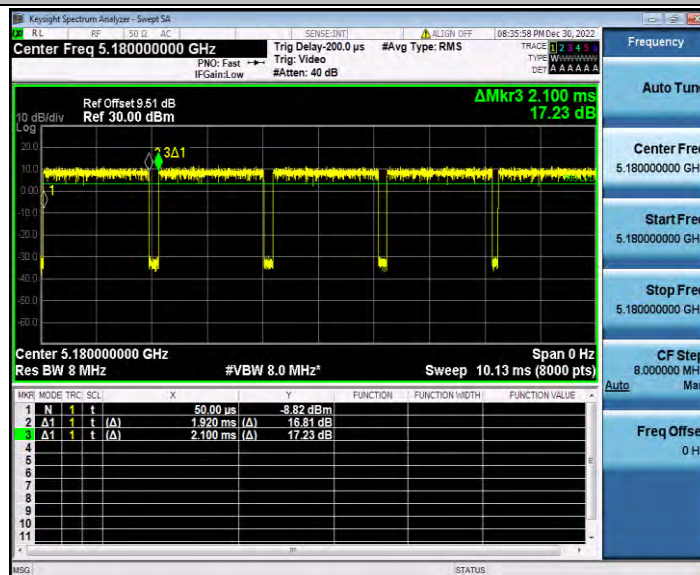
11A_Ant1_5200



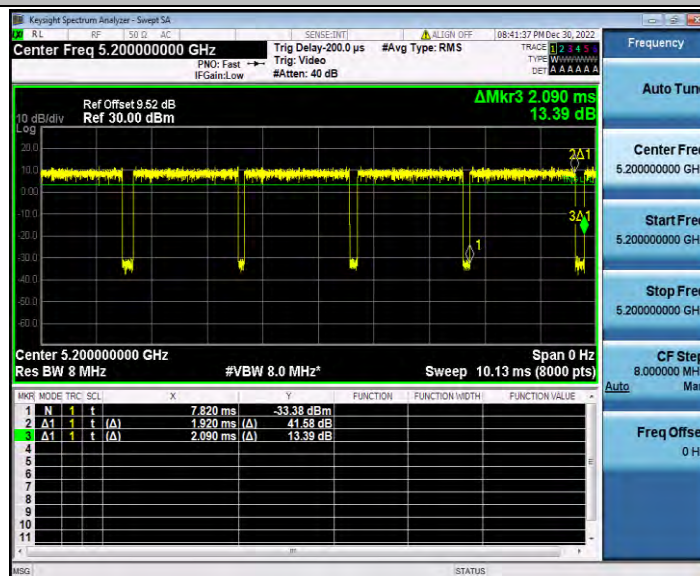
11A_Ant1_5240



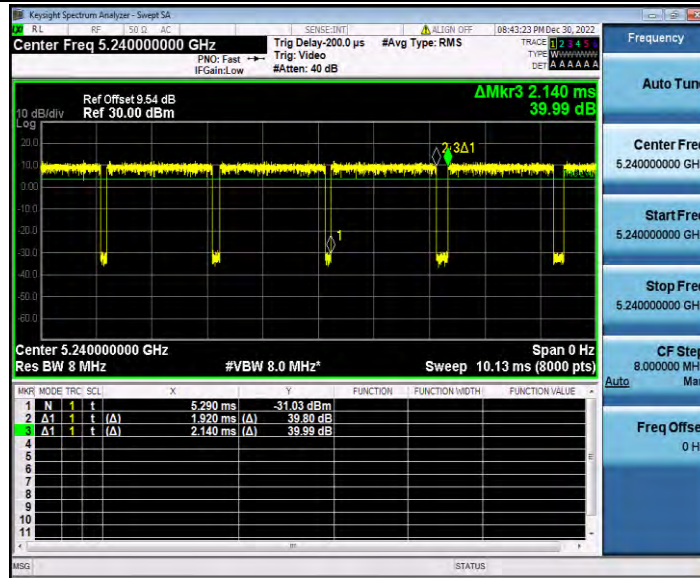
11N20SISO_Ant1_5180



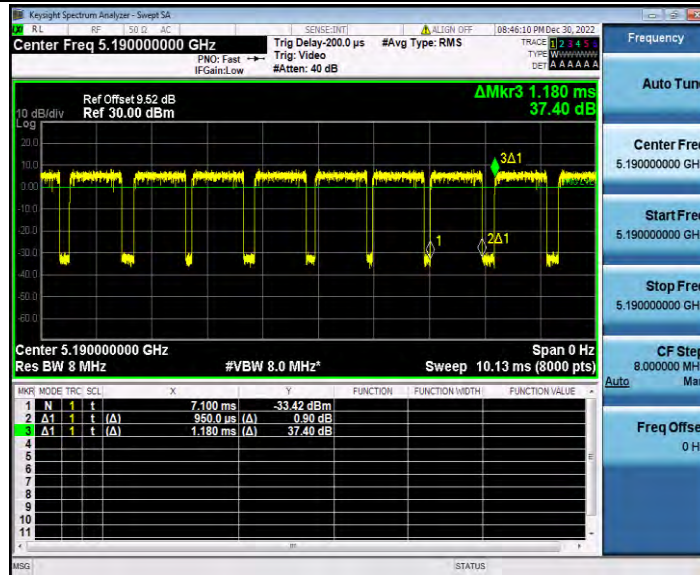
11N20SISO_Ant1_5200



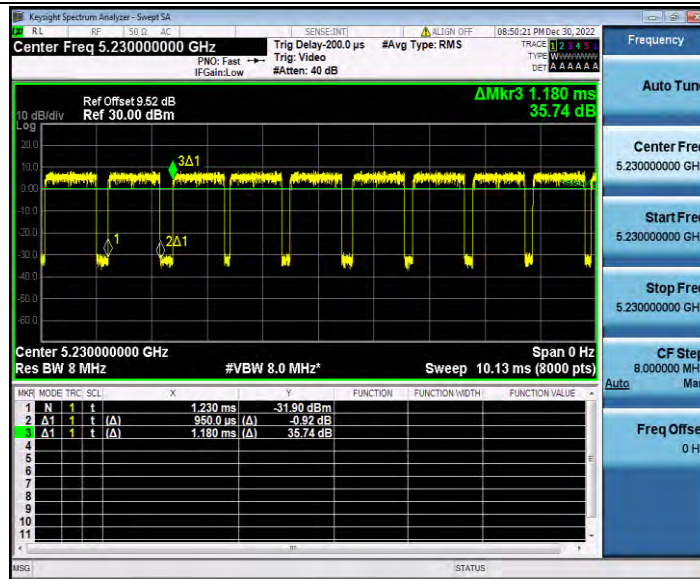
11N20SISO_Ant1_5240



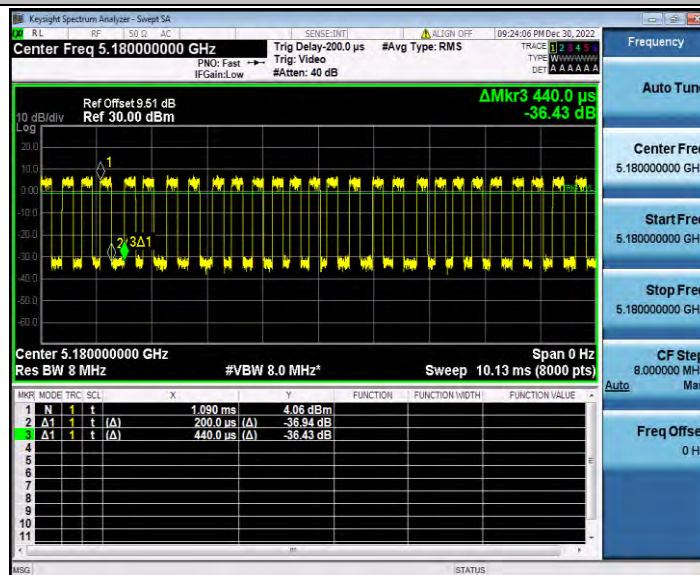
11N40SISO_Ant1_5190



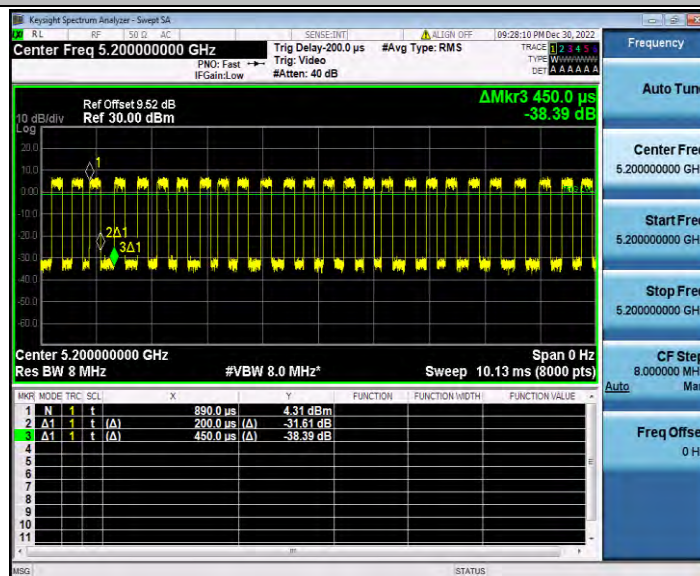
11N40SISO_Ant1_5230



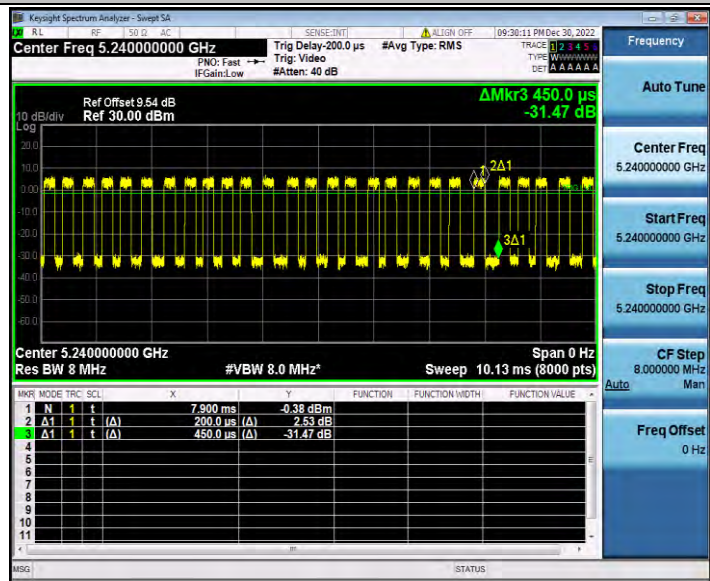
11AC20SISO_Ant1_5180



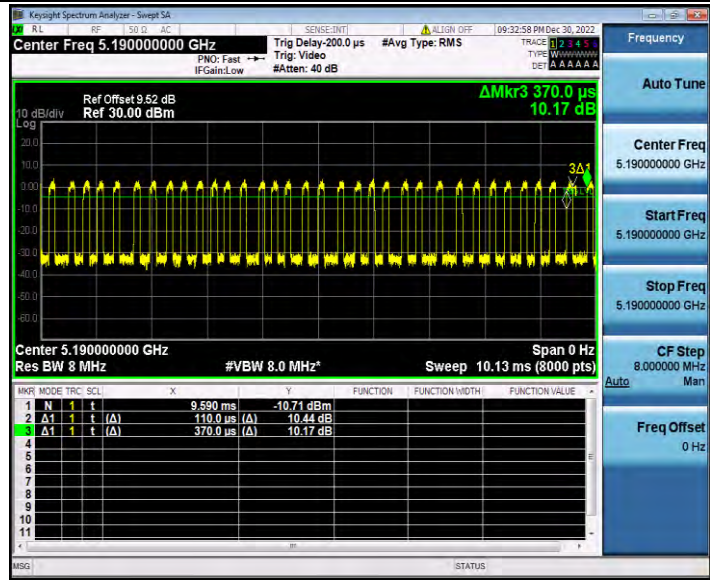
11AC20SISO_Ant1_5200



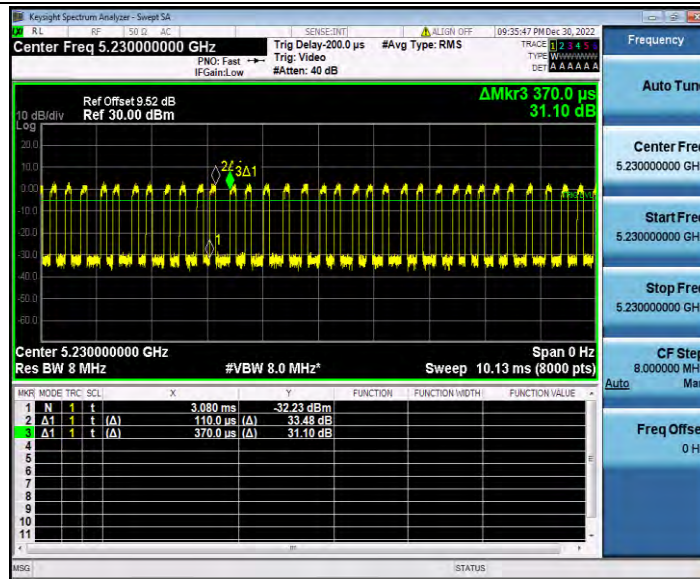
11AC20SISO_Ant1_5240



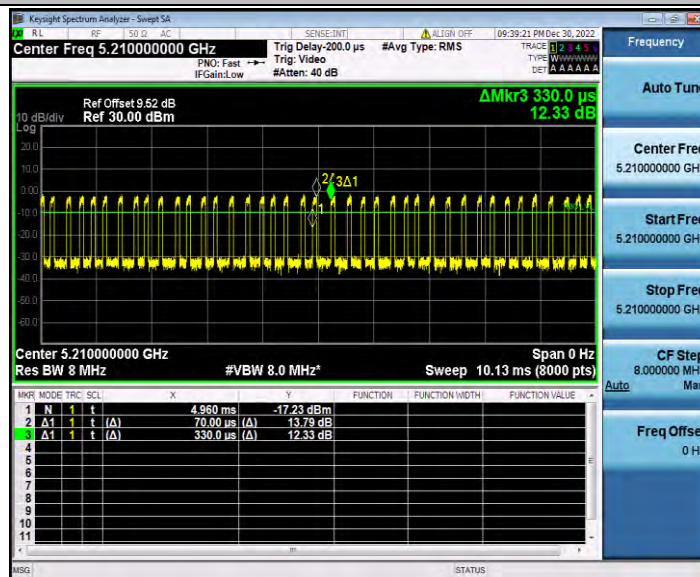
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix B.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.75	90.35	0.44	12.19	≤23.98	PASS
		5200	11.81	94.52	0.24	12.05	≤23.98	PASS
		5240	12.05	90.00	0.46	12.51	≤23.98	PASS
11N20SISO	Ant1	5180	11.65	91.43	0.39	12.04	≤23.98	PASS
		5200	11.73	91.87	0.37	12.10	≤23.98	PASS
		5240	12.00	89.72	0.47	12.47	≤23.98	PASS
11N40SISO	Ant1	5190	10.92	80.51	0.94	11.86	≤23.98	PASS
		5230	11.13	80.51	0.94	12.07	≤23.98	PASS
11AC20SISO	Ant1	5180	5.00	45.45	3.42	8.42	≤23.98	PASS
		5200	5.04	44.44	3.52	8.56	≤23.98	PASS
		5240	4.48	44.44	3.52	8.00	≤23.98	PASS
11AC40SISO	Ant1	5190	3.30	29.73	5.27	8.57	≤23.98	PASS
		5230	2.66	29.73	5.27	7.93	≤23.98	PASS
11AC80SISO	Ant1	5210	1.58	21.21	6.73	8.31	≤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	0.86	≤11.00	PASS
		5200	0.7	≤11.00	PASS
		5240	1.33	≤11.00	PASS
11N20SISO	Ant1	5180	0.46	≤11.00	PASS
		5200	0.46	≤11.00	PASS
		5240	0.98	≤11.00	PASS
11N40SISO	Ant1	5190	-2.11	≤11.00	PASS
		5230	-1.85	≤11.00	PASS
11AC20SISO	Ant1	5180	-2.63	≤11.00	PASS
		5200	-2.51	≤11.00	PASS
		5240	-3	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.75	≤11.00	PASS
		5230	-5.44	≤11.00	PASS
11AC80SISO	Ant1	5210	-7.49	≤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

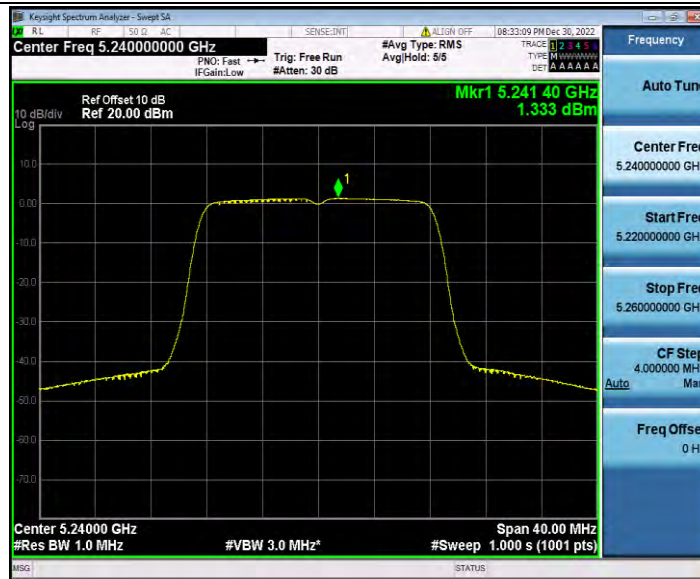
11A_Ant1_5180



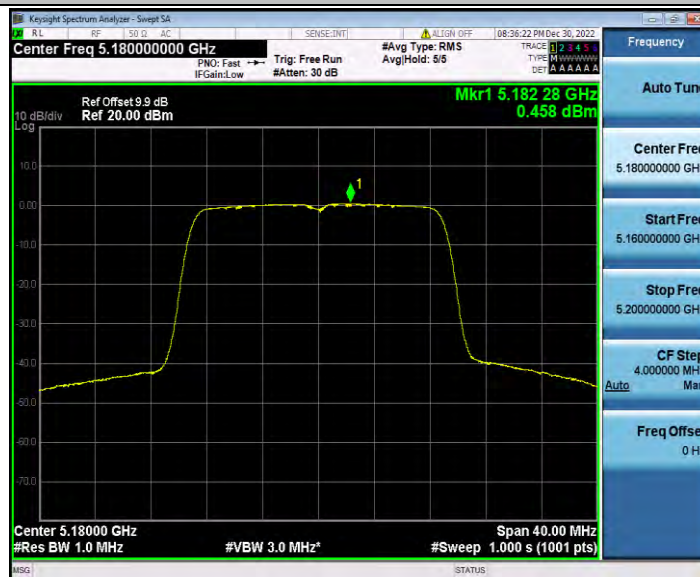
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



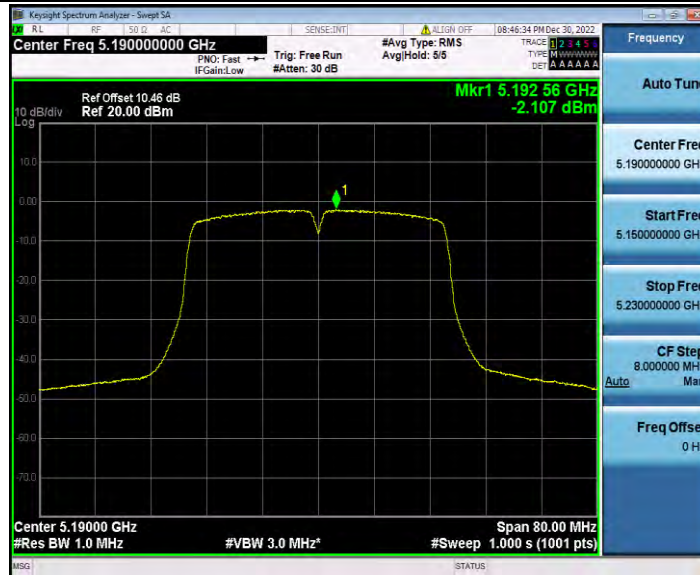
11N20SISO_Ant1_5200



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



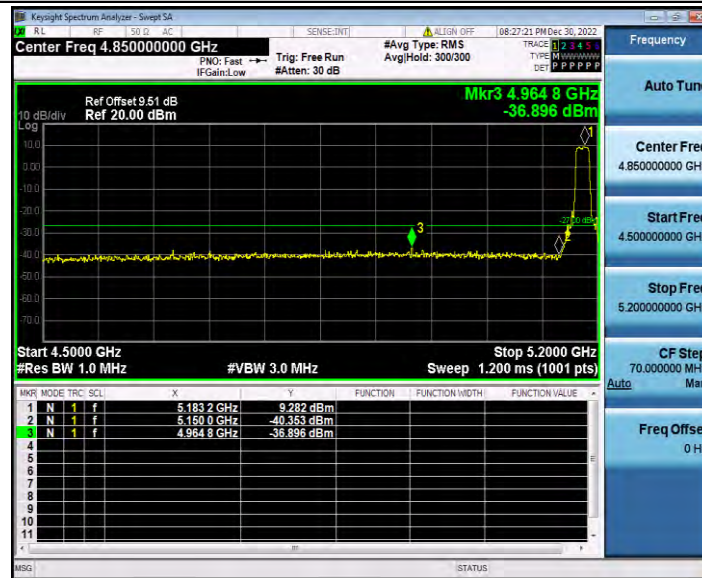
Appendix B.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.9	≤-27	PASS
		High	5240	-37.5	≤-27	PASS
11N20SISO	Ant1	Low	5180	-38.49	≤-27	PASS
		High	5240	-38.44	≤-27	PASS
11N40SISO	Ant1	Low	5190	-36.88	≤-27	PASS
		High	5230	-38.33	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-37.71	≤-27	PASS
		High	5240	-37.82	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-35.89	≤-27	PASS
		High	5230	-37.88	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-38.02	≤-27	PASS
		High	5210	-38.59	≤-27	PASS

Test Graphs B1

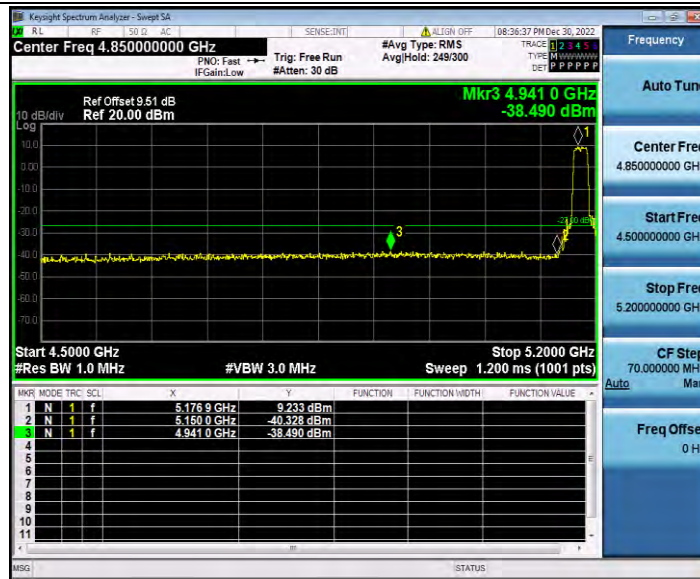
11A_Ant1_Low_5180



11A_Ant1_High_5240



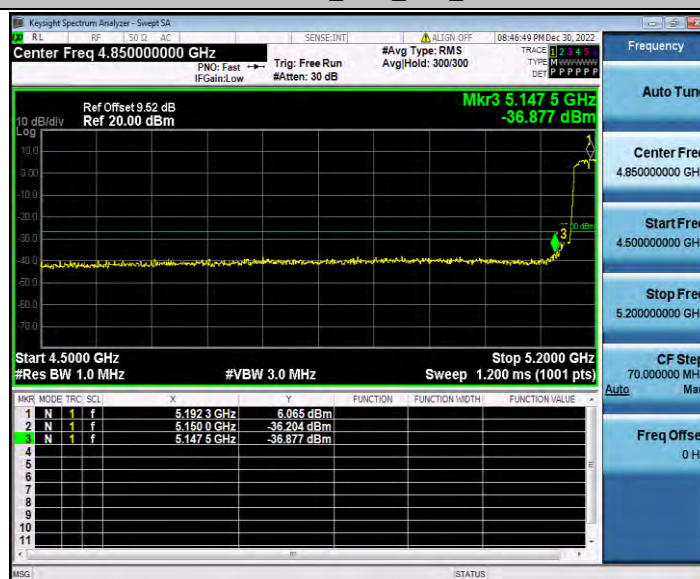
11N20SISO_Ant1_Low_5180



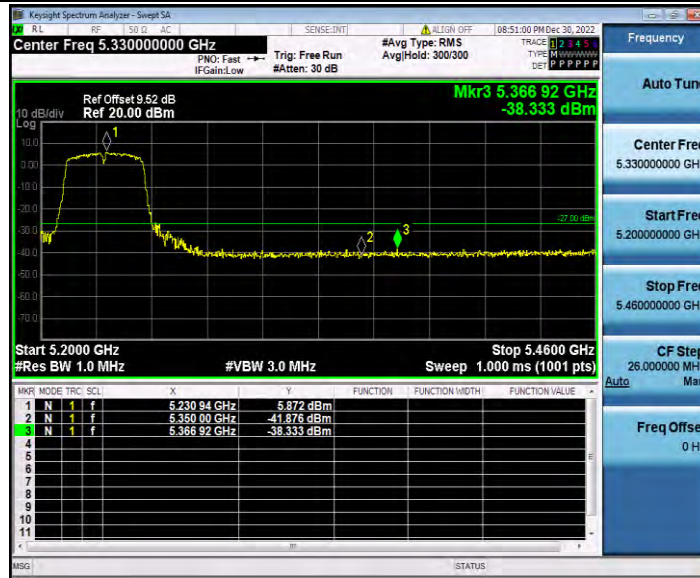
11N20SISO_Ant1_High_5240



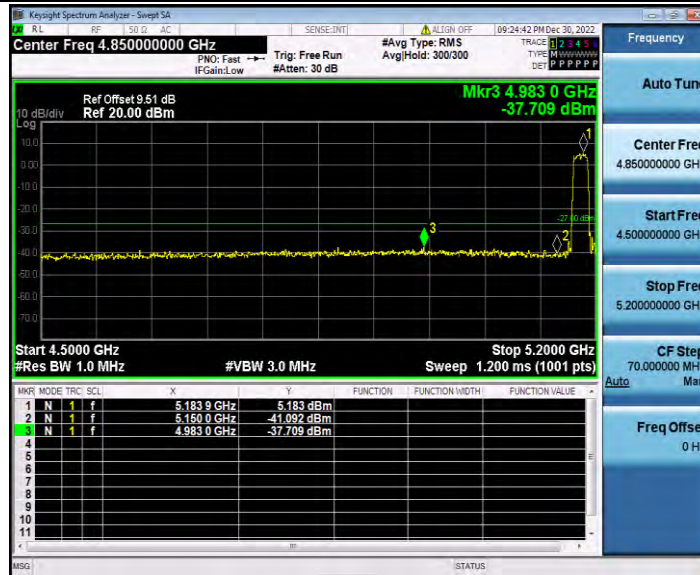
11N40SISO_Ant1_Low_5190



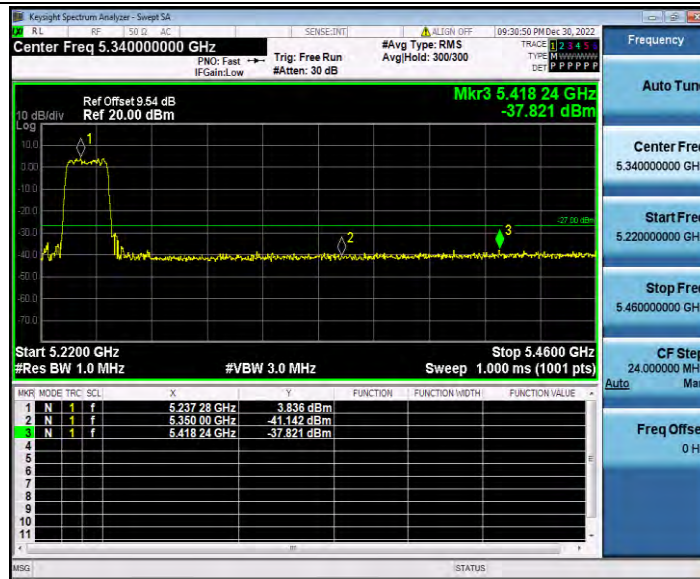
11N40SISO_Ant1_High_5230



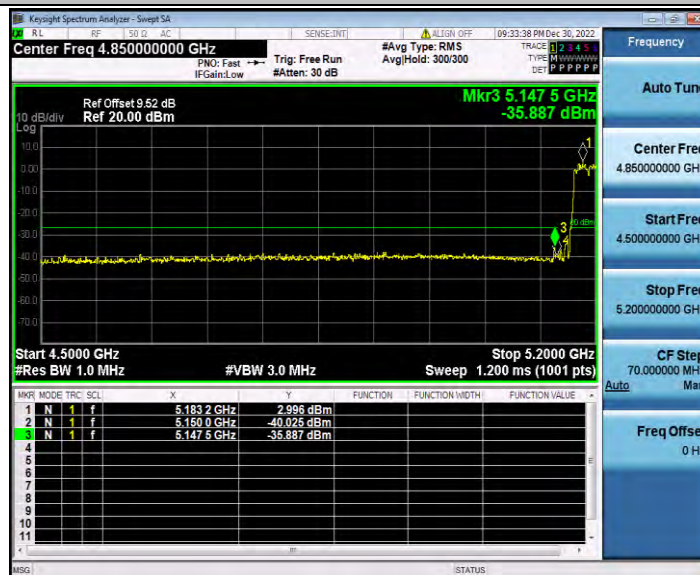
11AC20SISO_Ant1_Low_5180



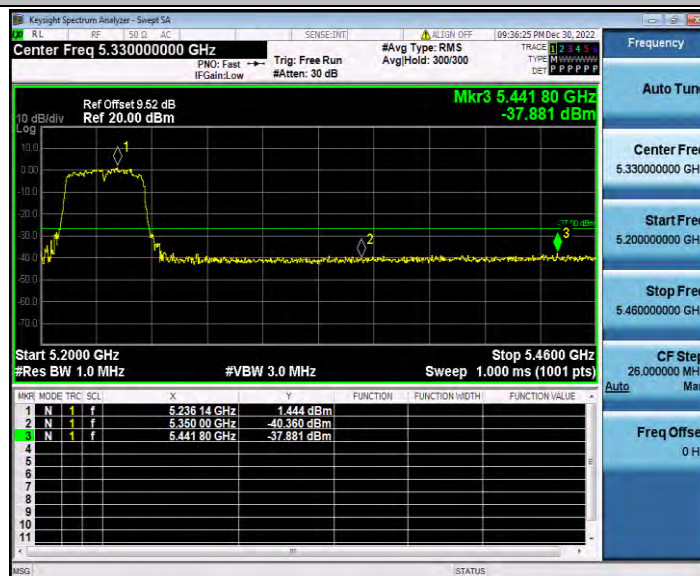
11AC20SISO_Ant1_High_5240



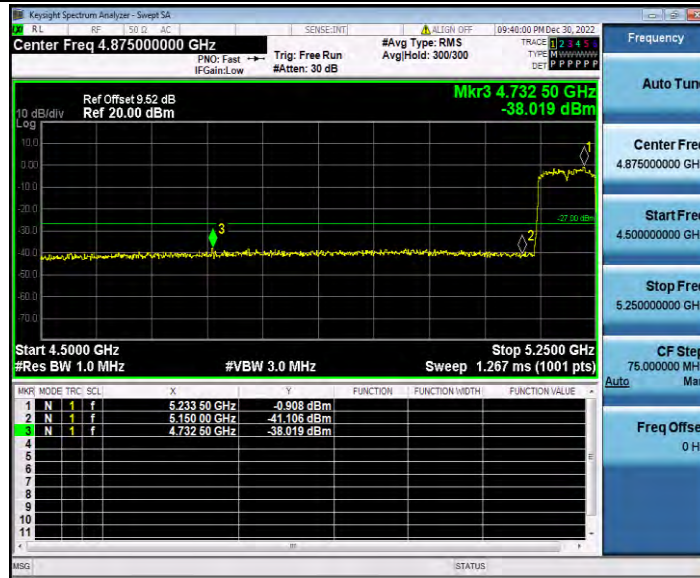
11AC40SISO_Ant1_Low_5190



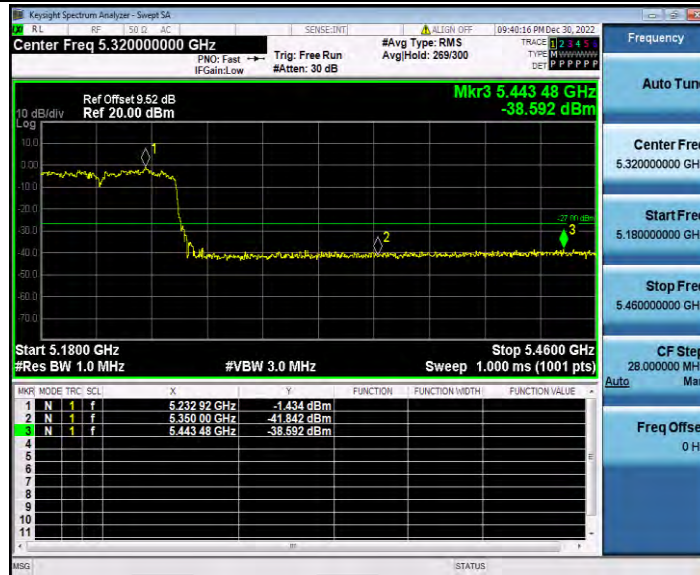
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix B.7: Conducted Spurious Emission

Test Result

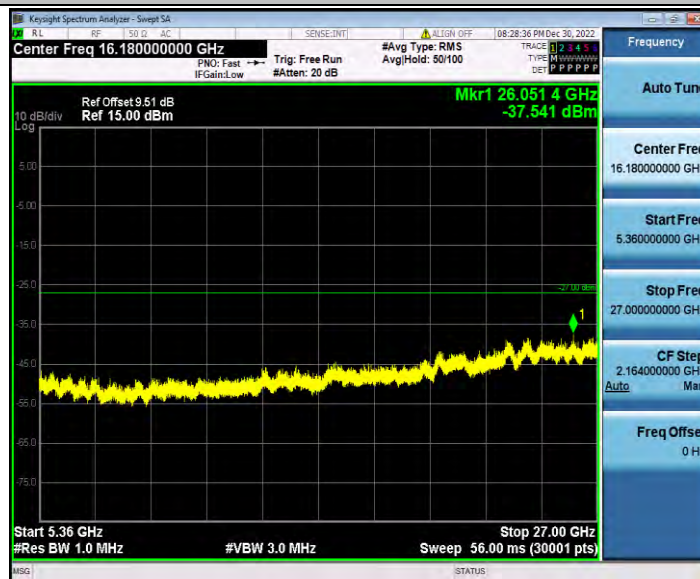
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4946.5	-46.3	≤-27	PASS
			5360~40000	26051.45	-37.54	≤-27	PASS
		5200	30~5140	4943.09	-46.63	≤-27	PASS
			5360~40000	26847.08	-38.64	≤-27	PASS
		5240	30~5140	3318.63	-45.87	≤-27	PASS
			5360~40000	24774.69	-37.44	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3348.09	-47.29	≤-27	PASS
			5360~40000	24232.24	-38.5	≤-27	PASS
		5200	30~5140	2646.15	-47.05	≤-27	PASS
			5360~40000	26071.64	-37.77	≤-27	PASS
		5240	30~5140	2672.55	-46.56	≤-27	PASS
			5360~40000	25659.04	-37.9	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	2334.61	-46.68	≤-27	PASS
			5360~40000	24297.16	-37.98	≤-27	PASS
		5230	30~5140	2667.27	-46.56	≤-27	PASS
			5360~40000	25612.15	-38.06	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	4948.55	-47.05	≤-27	PASS
			5360~40000	25250.05	-37.94	≤-27	PASS
		5200	30~5140	1744.41	-45.19	≤-27	PASS
			5360~40000	23585.93	-37.94	≤-27	PASS
		5240	30~5140	2662.33	-46.8	≤-27	PASS
			5360~40000	26578.74	-37.97	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	1744.75	-43.09	≤-27	PASS
			5360~40000	24936.27	-38.32	≤-27	PASS
		5230	30~5140	1744.41	-39.4	≤-27	PASS
			5360~40000	25122.37	-38.43	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5136.42	-44.15	≤-27	PASS
			5360~40000	24242.34	-37.33	≤-27	PASS

Test Graphs

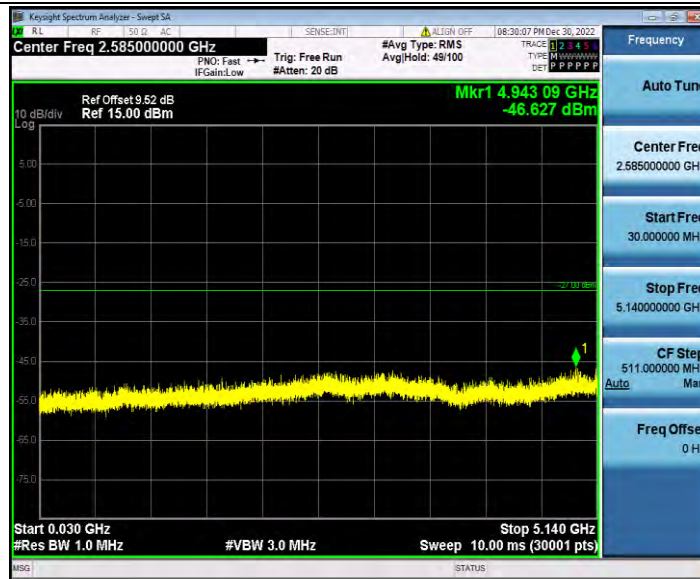
11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



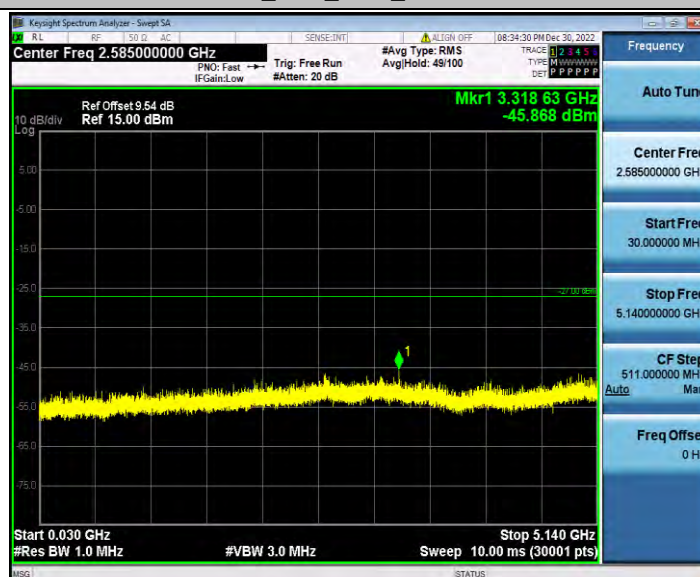
11A_Ant1_5200_30~5140



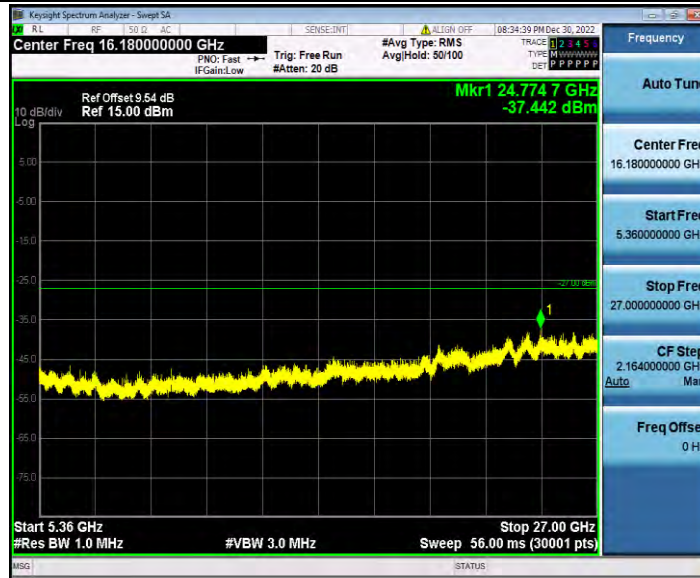
11A_Ant1_5200_5360~40000



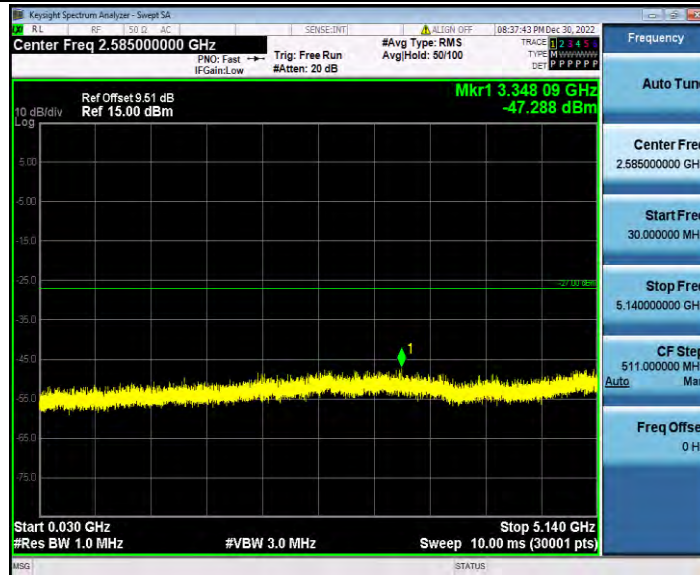
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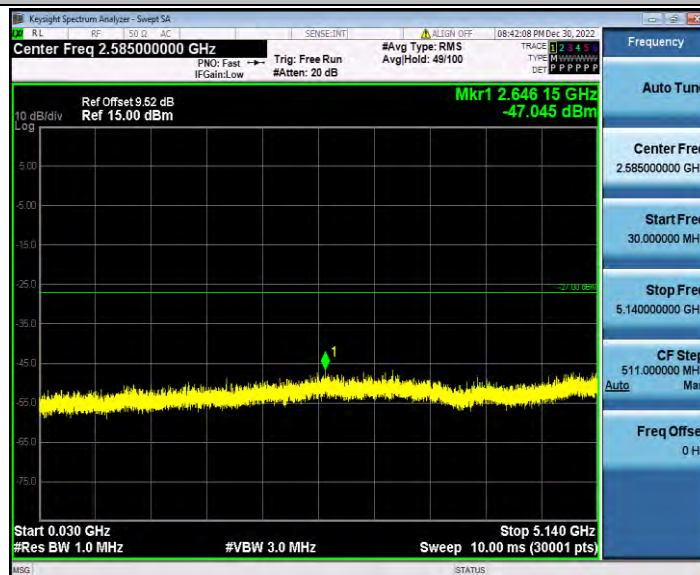
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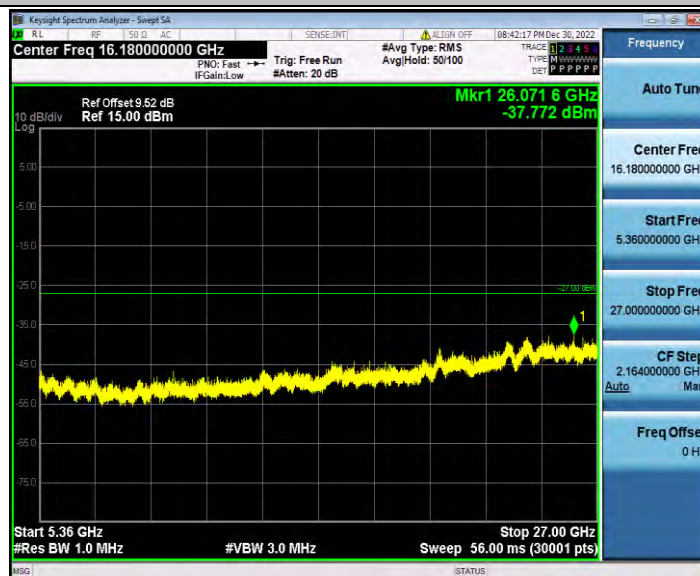
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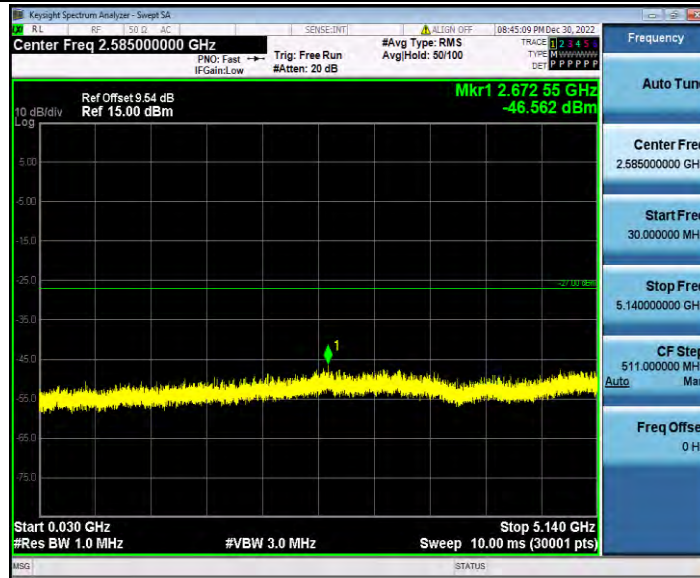
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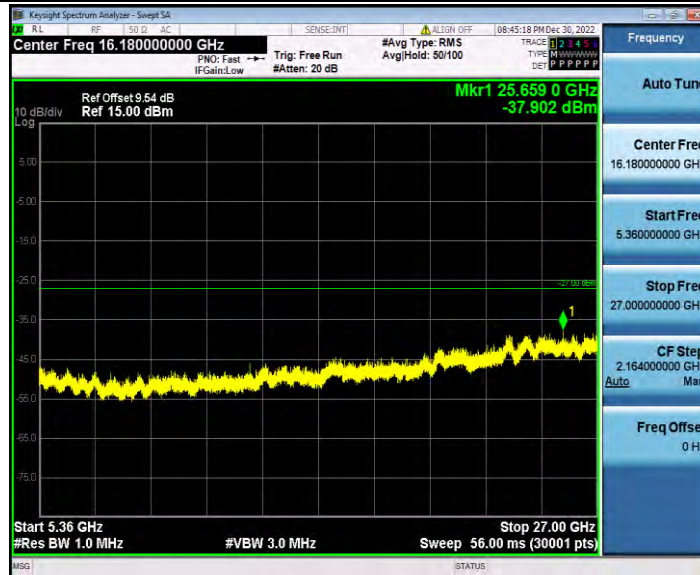
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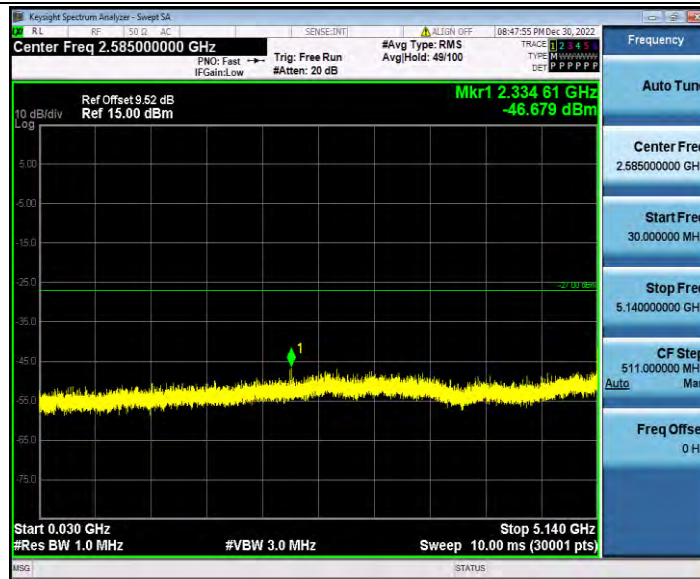
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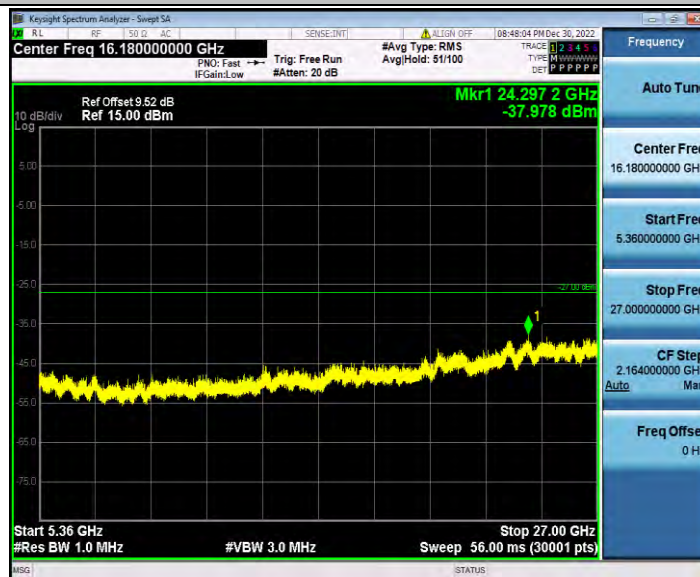
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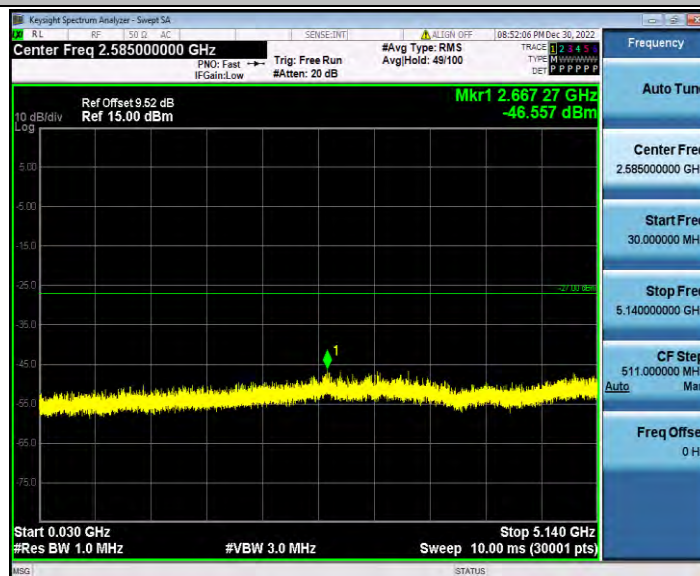
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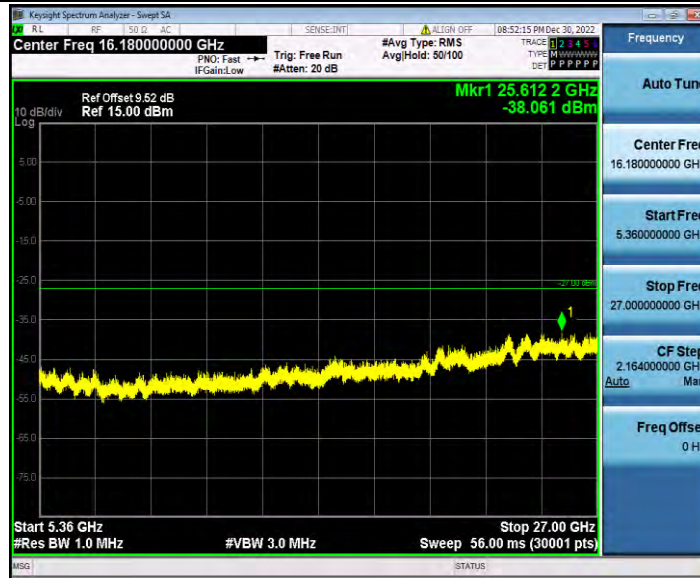
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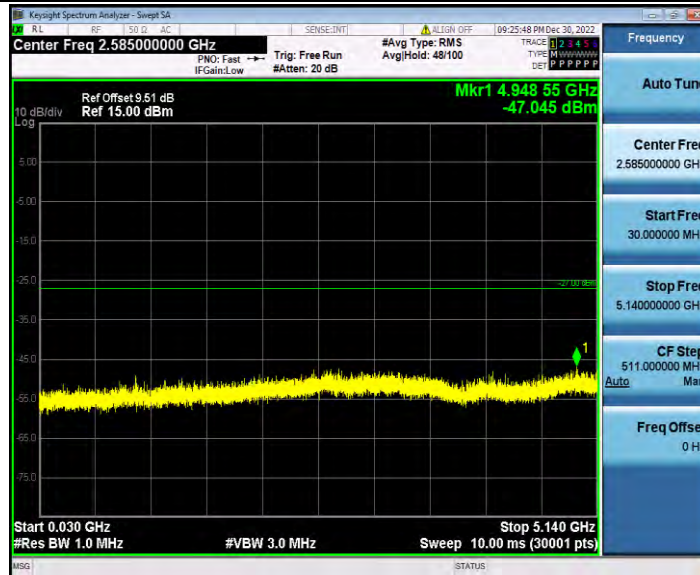
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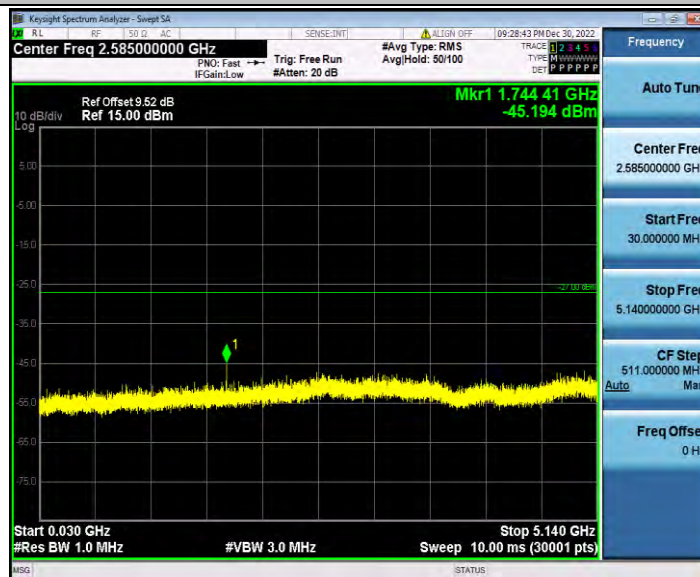
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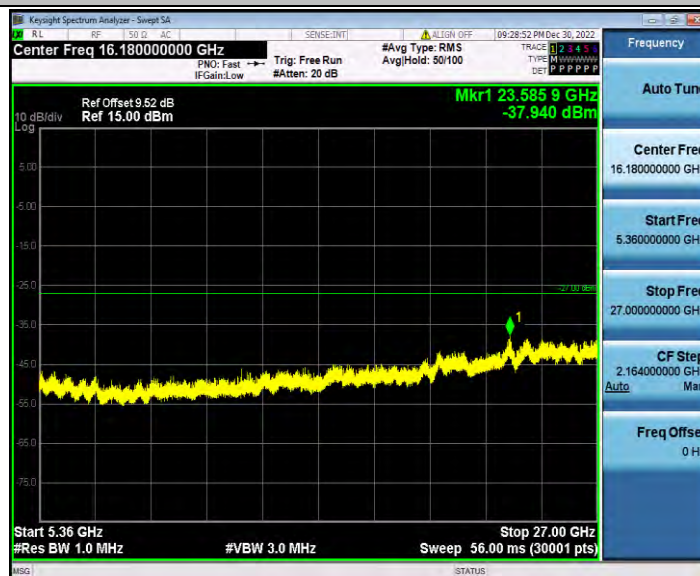
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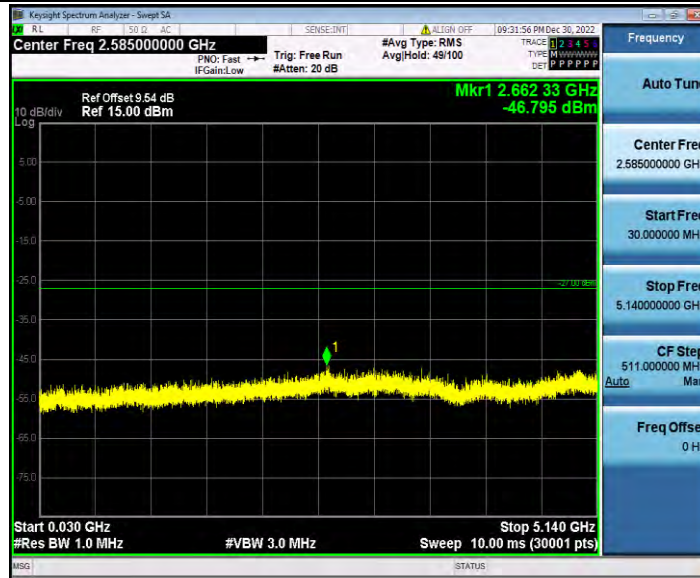
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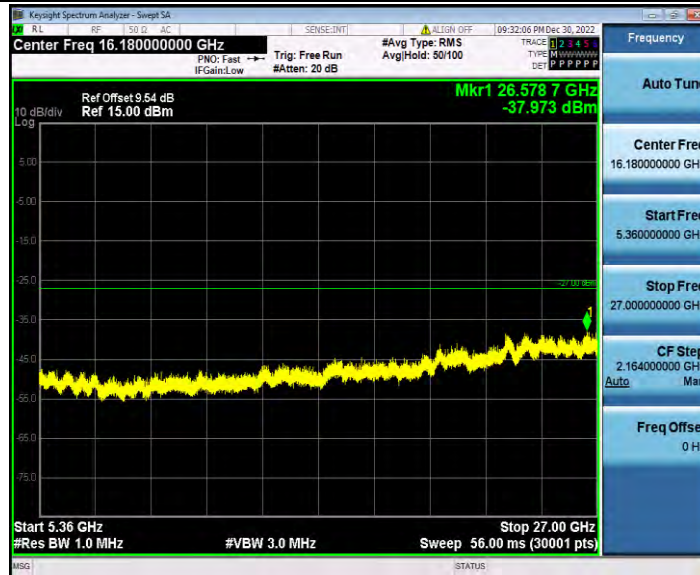
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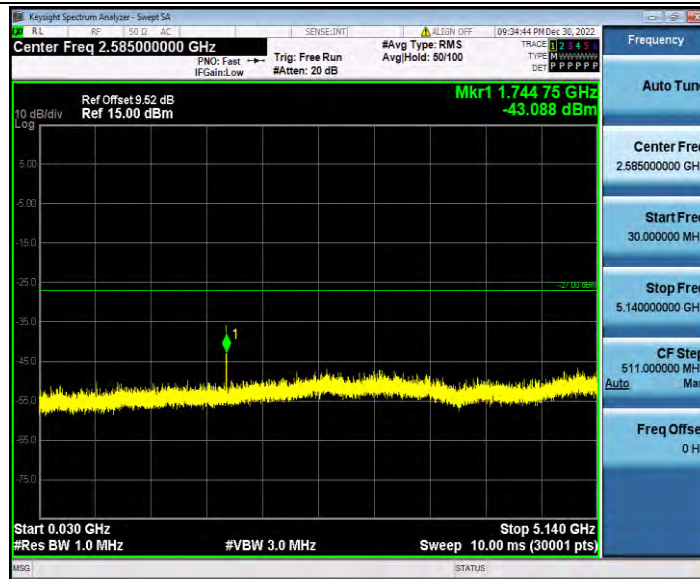
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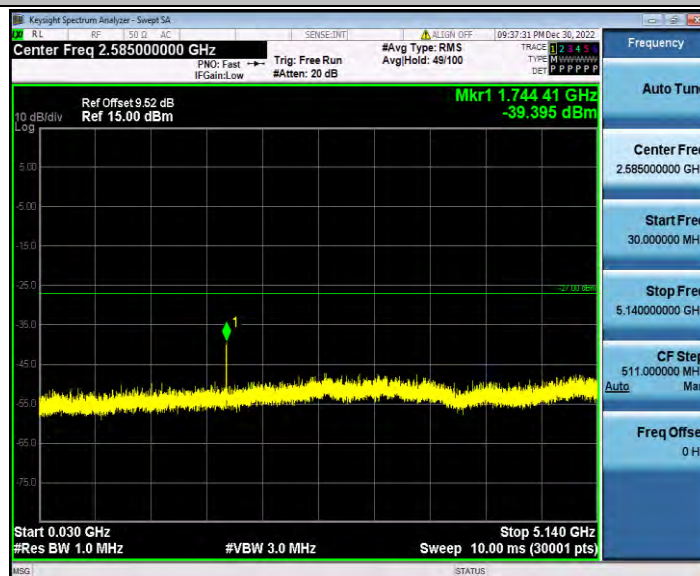
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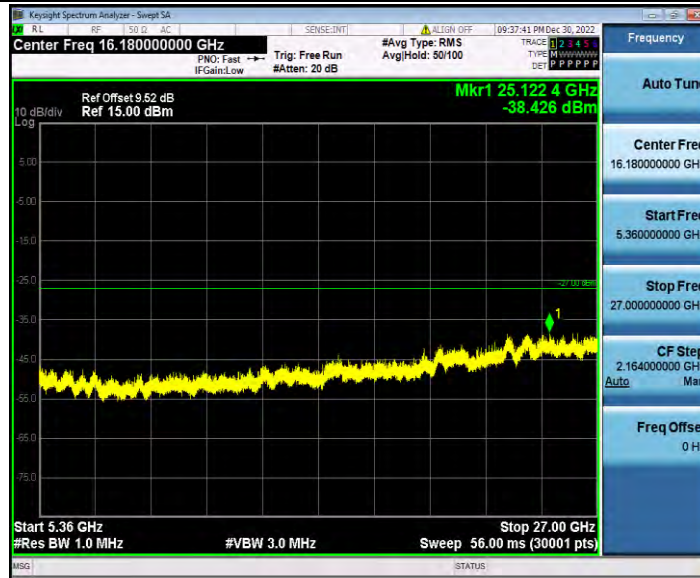
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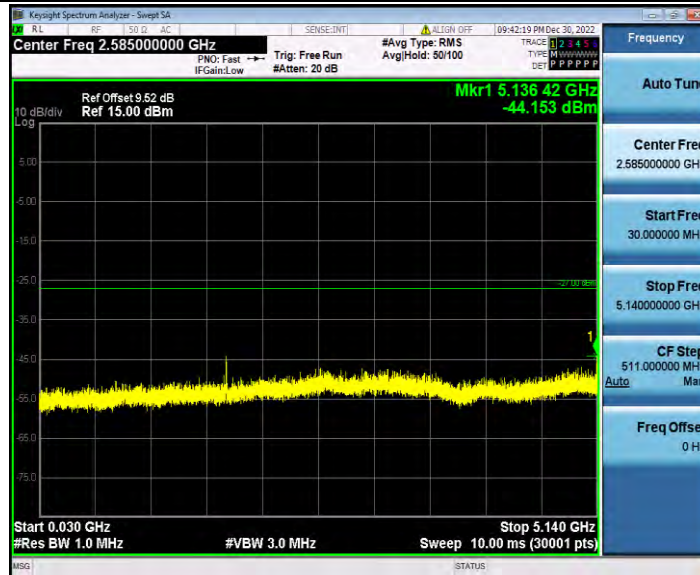
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

