

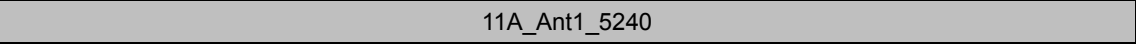
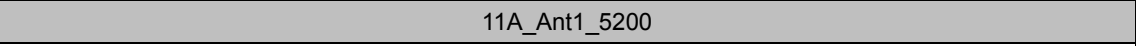
Case No. : GTS20221216016-1-14	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2023.1.6	Test Engineer: Jenny zeng

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.120	5169.880	5190.000	---	---
		5200	21.000	5189.120	5210.120	---	---
		5240	20.960	5229.760	5250.720	---	---
11N20SISO	Ant1	5180	22.920	5168.280	5191.200	---	---
		5200	22.840	5188.560	5211.400	---	---
		5240	24.440	5228.200	5252.640	---	---
11N40SISO	Ant1	5190	55.520	5160.800	5216.320	---	---
		5230	42.000	5209.360	5251.360	---	---
11AC20SISO	Ant1	5180	20.920	5169.280	5190.200	---	---
		5200	24.200	5187.480	5211.680	---	---
		5240	21.160	5229.840	5251.000	---	---
11AC40SISO	Ant1	5190	43.840	5168.000	5211.840	---	---
		5230	51.520	5204.880	5256.400	---	---
11AC80SISO	Ant1	5210	107.840	5153.360	5261.200	---	---

11A_Ant1_5180



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



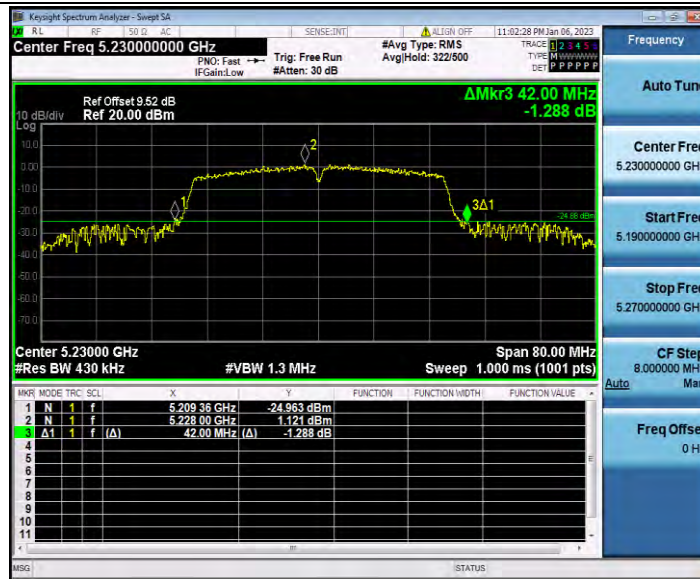
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



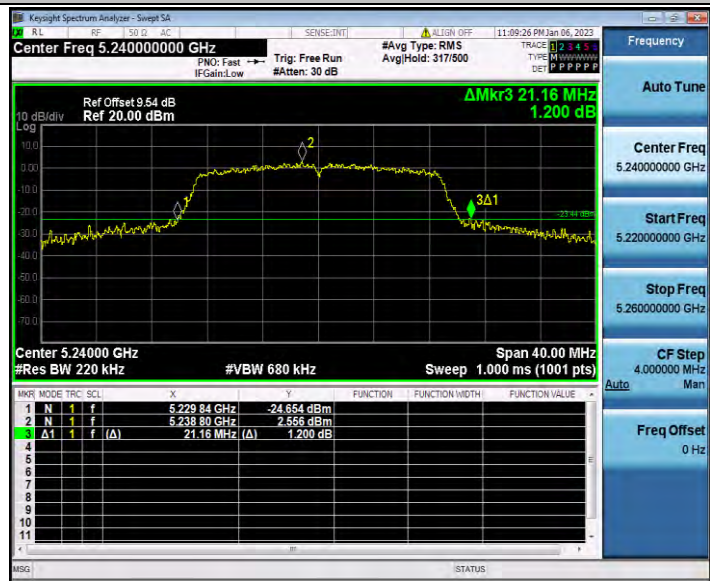
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



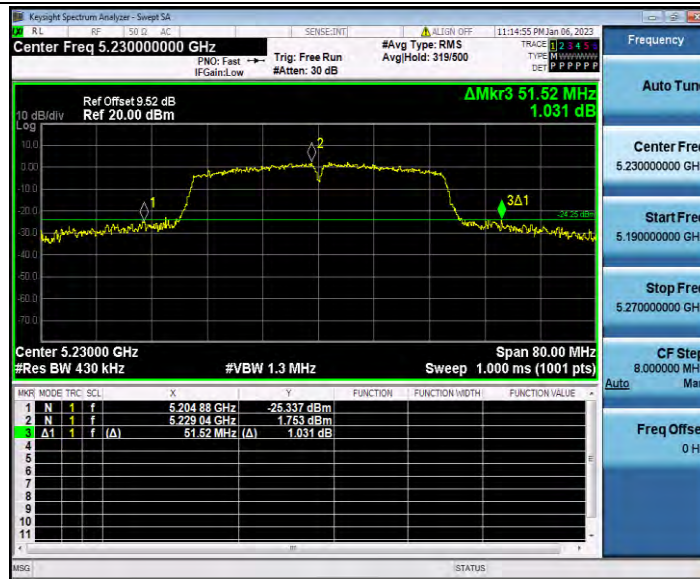
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



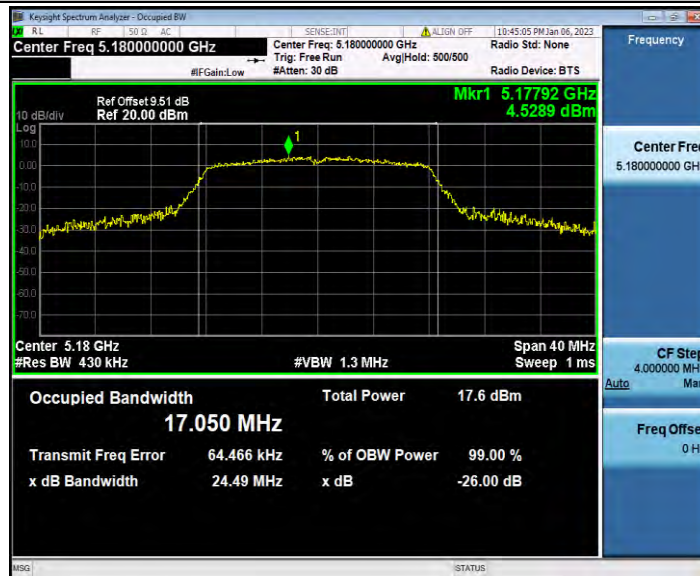
Appendix D.2: Occupied channel bandwidth

Test Result

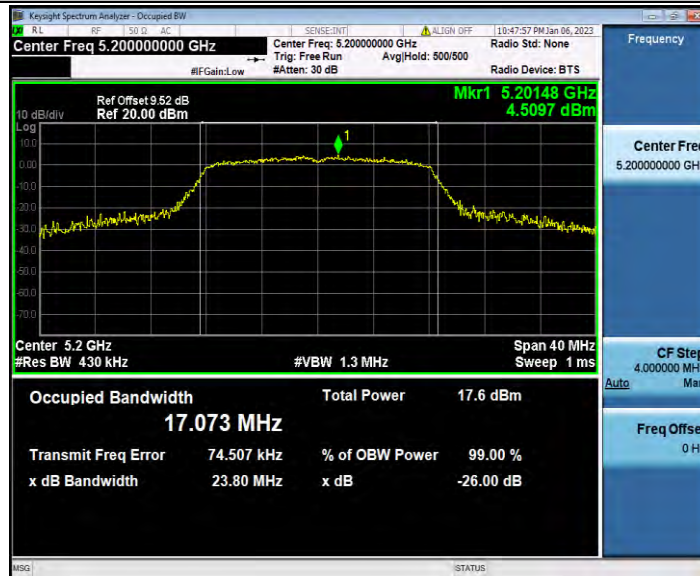
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.050	5171.539	5188.589	---	---
		5200	17.073	5191.538	5208.611	---	---
		5240	17.146	5231.475	5248.621	---	---
11N20SISO	Ant1	5180	18.090	5171.032	5189.122	---	---
		5200	18.163	5190.961	5209.124	---	---
		5240	18.125	5230.991	5249.116	---	---
11N40SISO	Ant1	5190	36.736	5171.755	5208.491	---	---
		5230	36.629	5211.841	5248.470	---	---
11AC20SISO	Ant1	5180	18.024	5171.056	5189.080	---	---
		5200	18.055	5191.023	5209.078	---	---
		5240	18.012	5231.058	5249.070	---	---
11AC40SISO	Ant1	5190	36.562	5171.821	5208.383	---	---
		5230	36.527	5211.908	5248.435	---	---
11AC80SISO	Ant1	5210	75.785	5172.308	5248.093	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



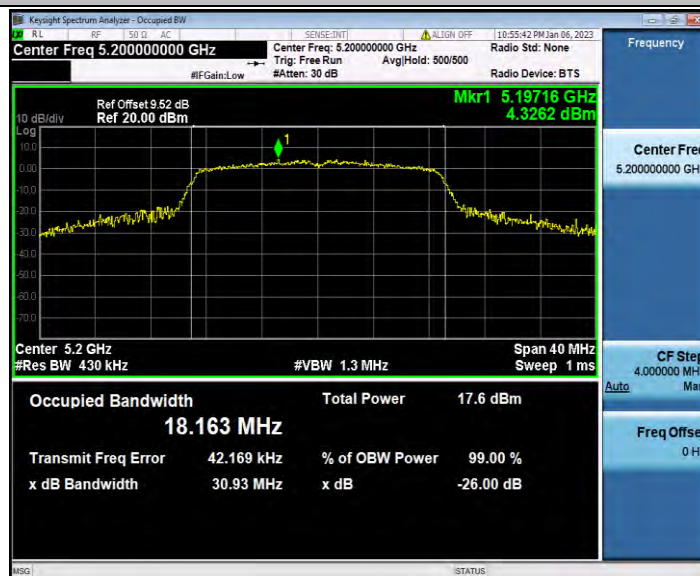
11A_Ant1_5240



11N20SISO_Ant1_5180



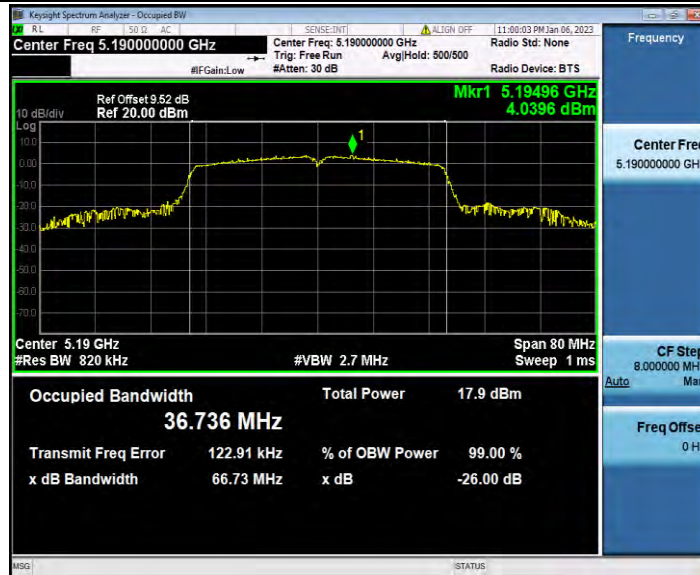
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



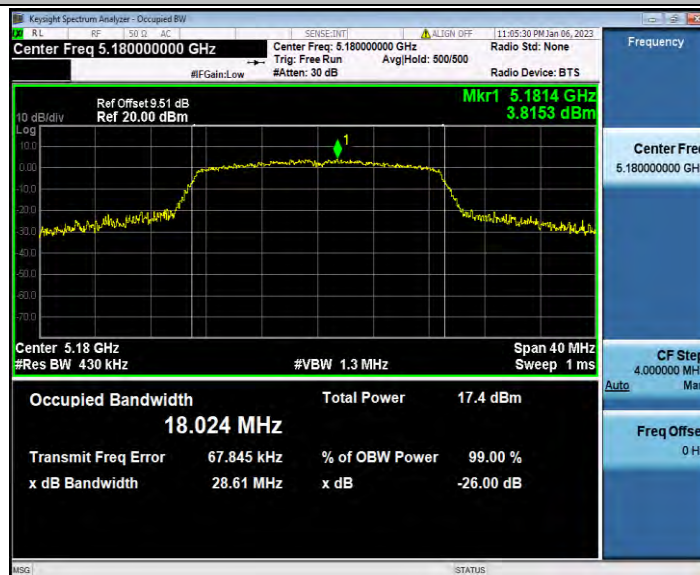
11N40SISO_Ant1_5190



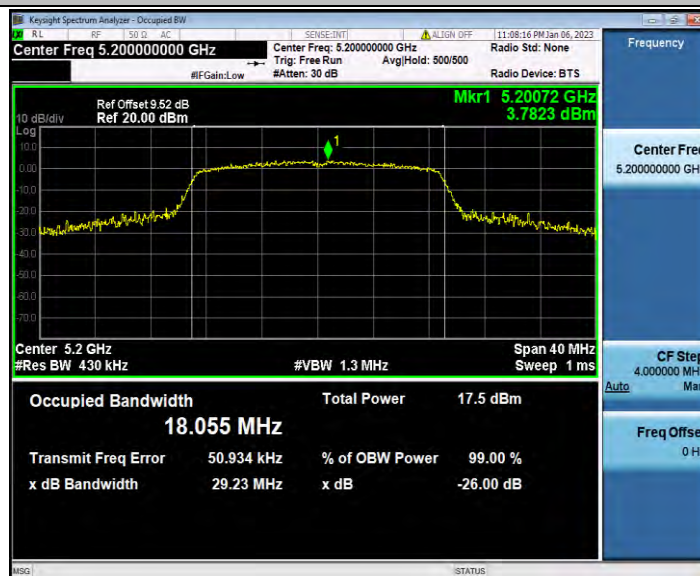
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



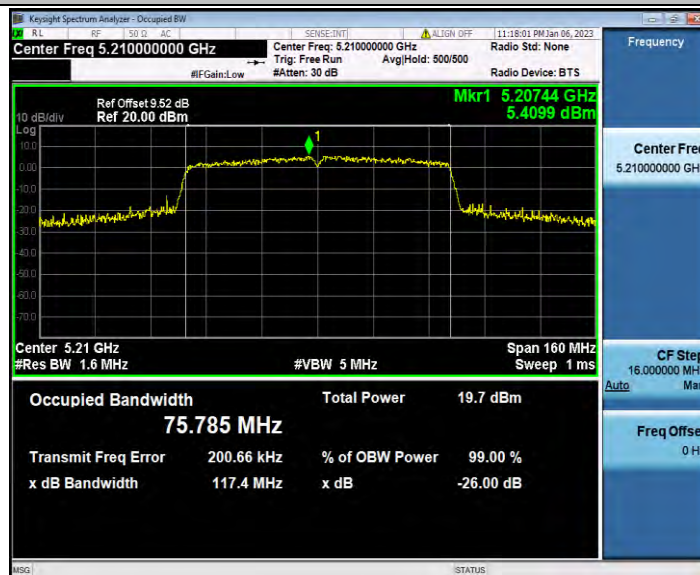
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



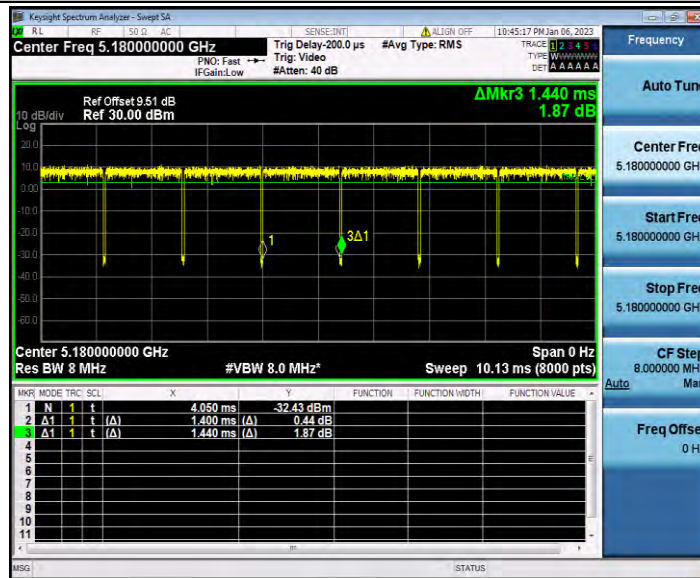
Appendix D.3: Duty Cycle

Test Result

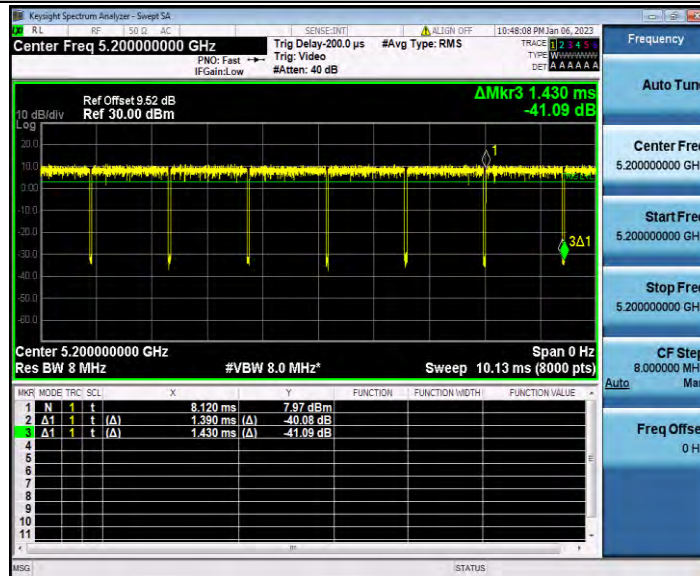
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.44	97.22
		5200	1.39	1.43	97.20
		5240	1.39	1.44	96.53
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5200	1.30	1.34	97.01
		5240	1.30	1.34	97.01
11N40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.69	94.20
11AC20SISO	Ant1	5180	1.31	1.35	97.04
		5200	1.31	1.36	96.32
		5240	1.32	1.36	97.06
11AC40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.70	92.86
11AC80SISO	Ant1	5210	0.33	0.37	89.19

Test Graphs

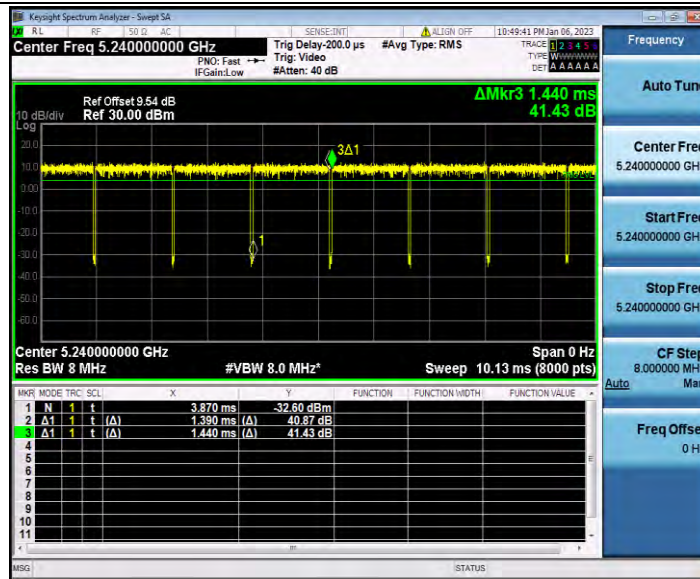
11A_Ant1_5180



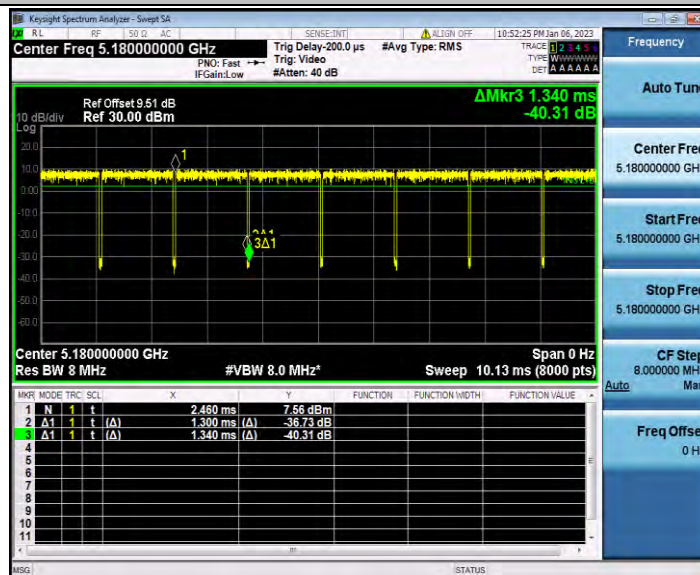
11A_Ant1_5200



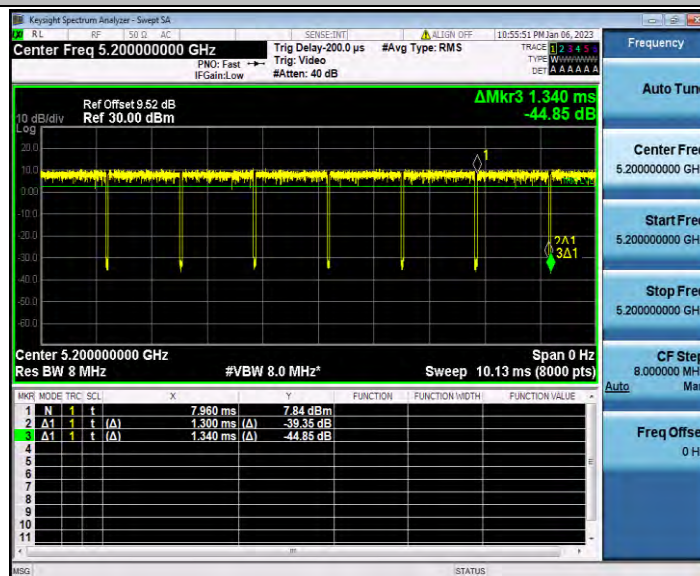
11A_Ant1_5240



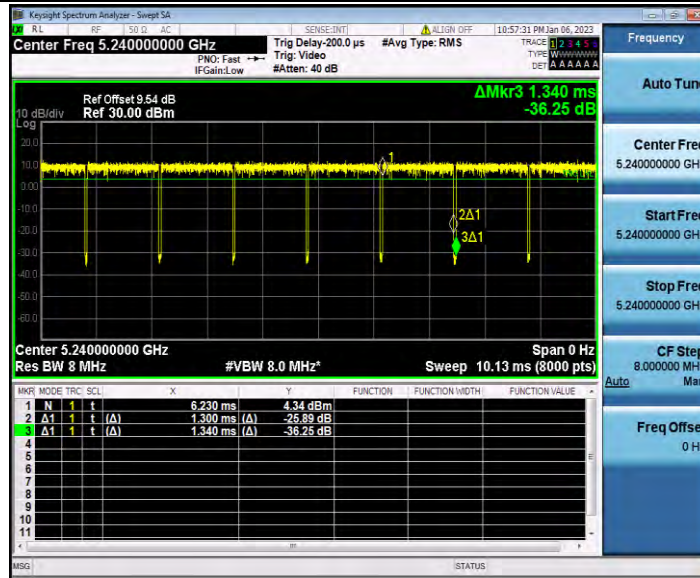
11N20SISO_Ant1_5180



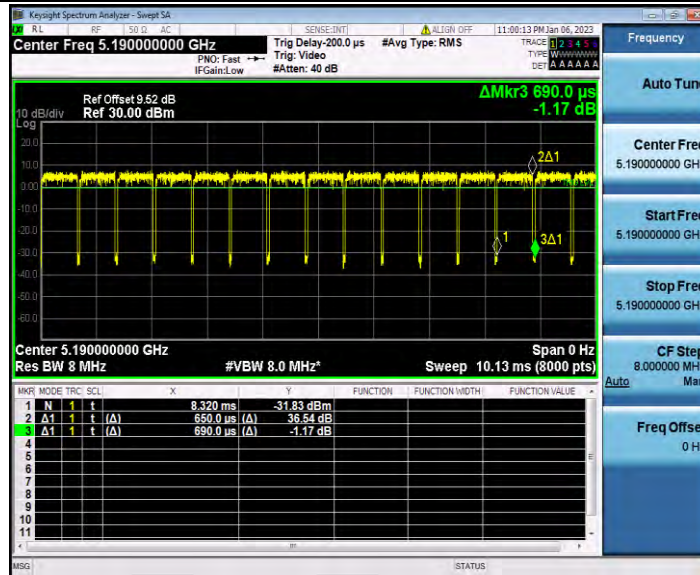
11N20SISO_Ant1_5200



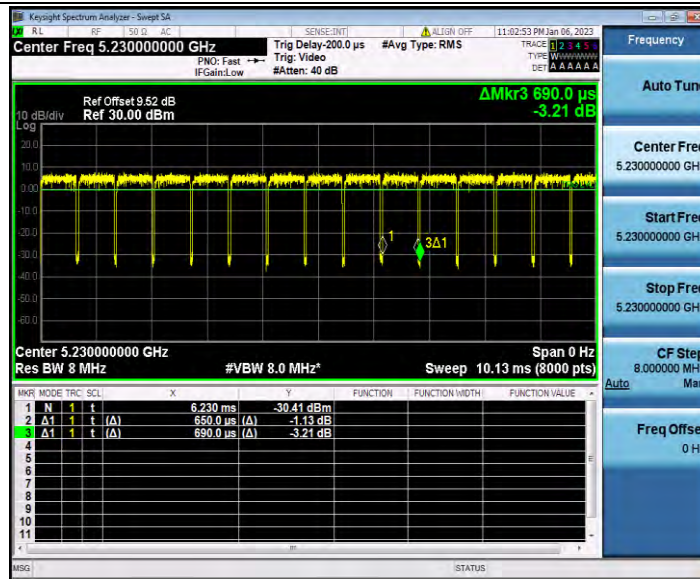
11N20SISO_Ant1_5240



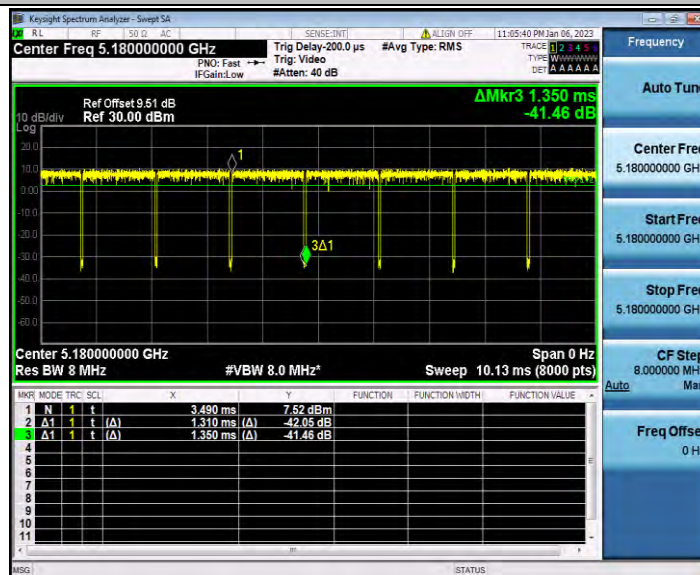
11N40SISO_Ant1_5190



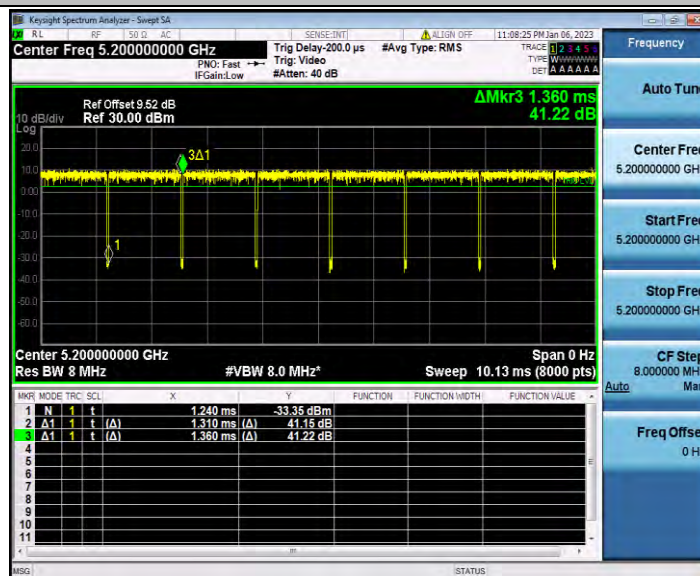
11N40SISO_Ant1_5230



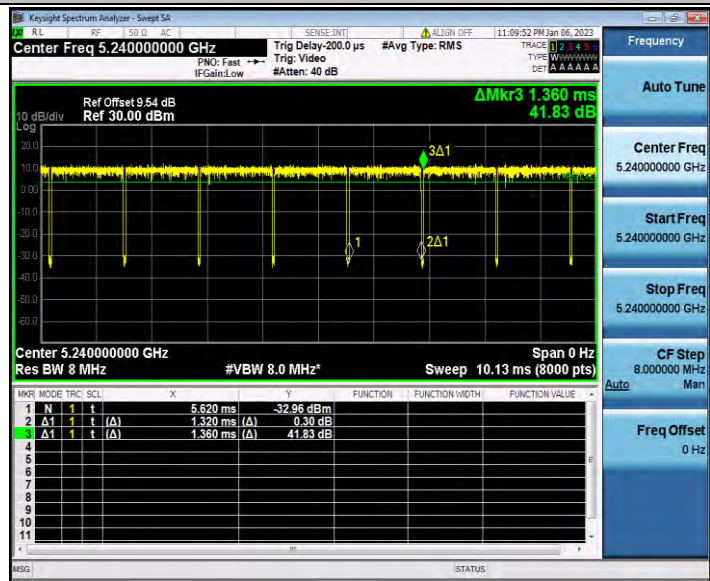
11AC20SISO_Ant1_5180



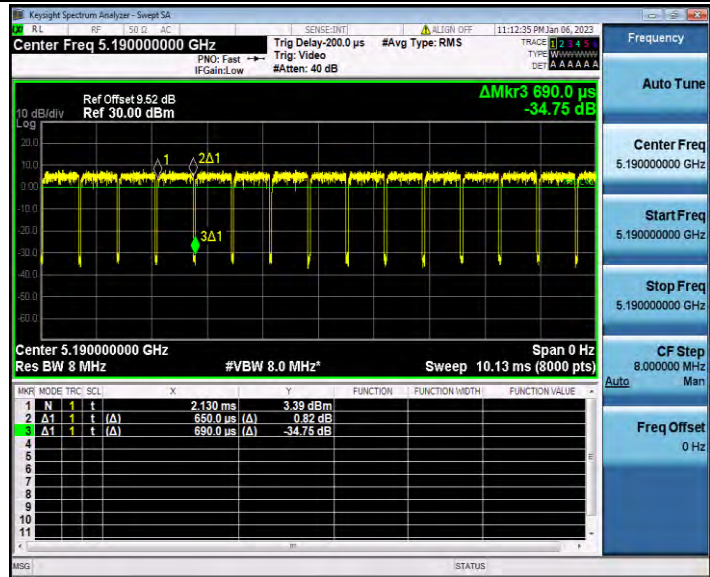
11AC20SISO_Ant1_5200



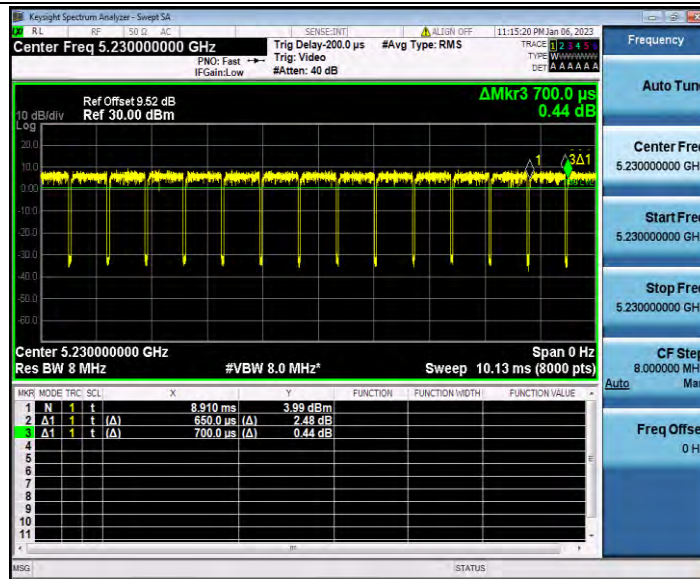
11AC20SISO_Ant1_5240



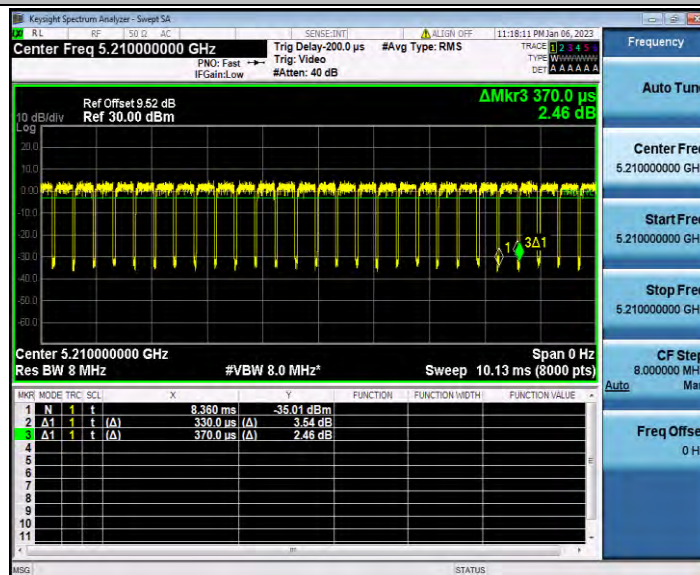
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.65	97.22	0.12	10.77	≤23.98	PASS
		5200	10.92	97.20	0.12	11.04	≤23.98	PASS
		5240	11.92	96.53	0.15	12.07	≤23.98	PASS
11N20SISO	Ant1	5180	10.37	97.01	0.13	10.50	≤23.98	PASS
		5200	10.71	97.01	0.13	10.84	≤23.98	PASS
		5240	11.72	97.01	0.13	11.85	≤23.98	PASS
11N40SISO	Ant1	5190	10.25	94.20	0.26	10.51	≤23.98	PASS
		5230	10.17	94.20	0.26	10.43	≤23.98	PASS
11AC20SISO	Ant1	5180	10.54	97.04	0.13	10.67	≤23.98	PASS
		5200	10.66	96.32	0.16	10.82	≤23.98	PASS
		5240	11.70	97.06	0.13	11.83	≤23.98	PASS
11AC40SISO	Ant1	5190	10.38	94.20	0.26	10.64	≤23.98	PASS
		5230	11.21	92.86	0.32	11.53	≤23.98	PASS
11AC80SISO	Ant1	5210	10.30	89.19	0.50	10.80	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

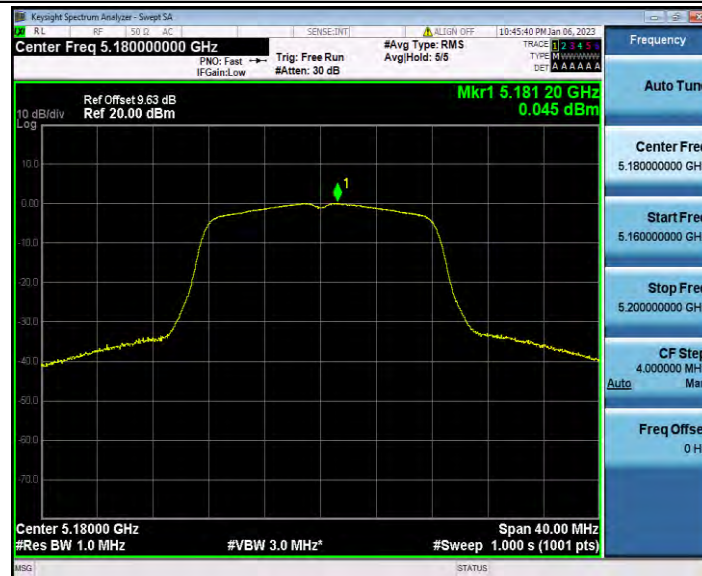
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.05	≤11.00	PASS
		5200	0.33	≤11.00	PASS
		5240	1.52	≤11.00	PASS
11N20SISO	Ant1	5180	-0.33	≤11.00	PASS
		5200	0.05	≤11.00	PASS
		5240	1.19	≤11.00	PASS
11N40SISO	Ant1	5190	-3.08	≤11.00	PASS
		5230	-2.99	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.18	≤11.00	PASS
		5200	-0.03	≤11.00	PASS
		5240	1.07	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.94	≤11.00	PASS
		5230	-1.92	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.9	≤11.00	PASS

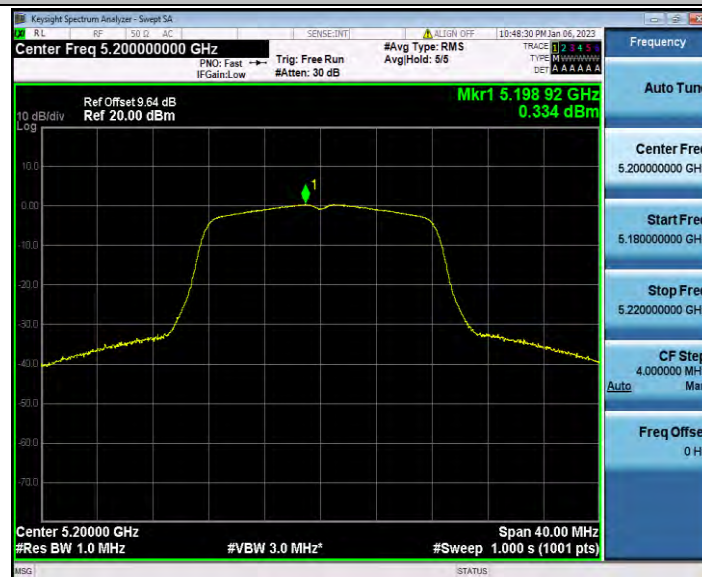
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

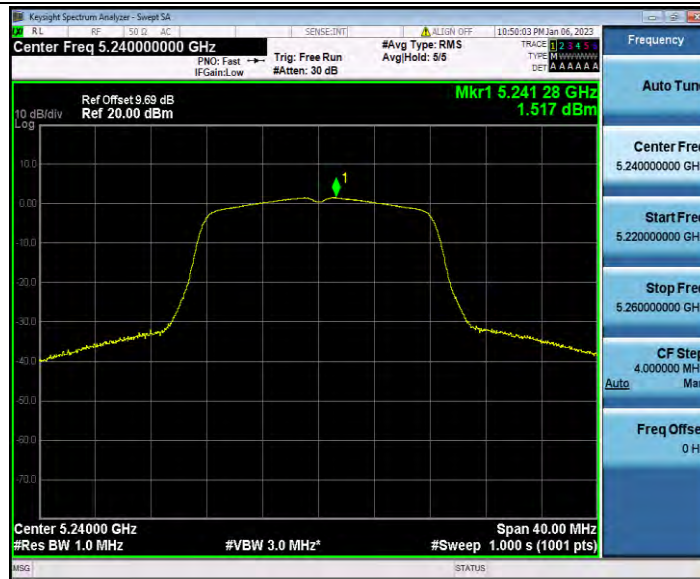
11A_Ant1_5180



11A_Ant1_5200



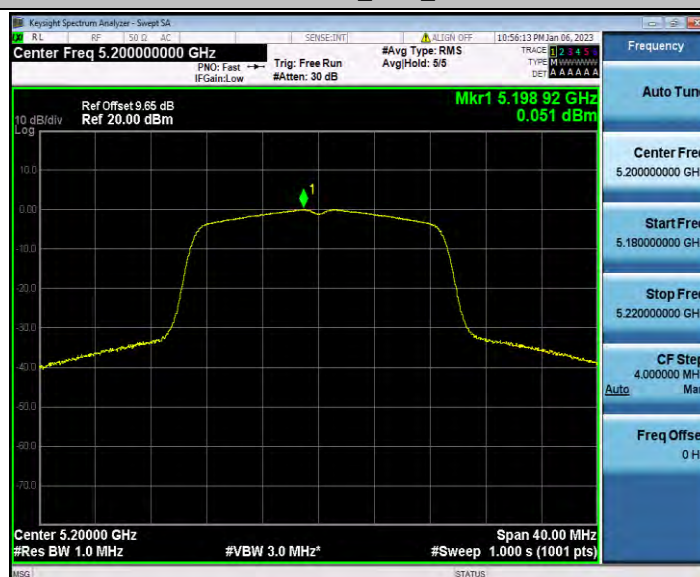
11A_Ant1_5240



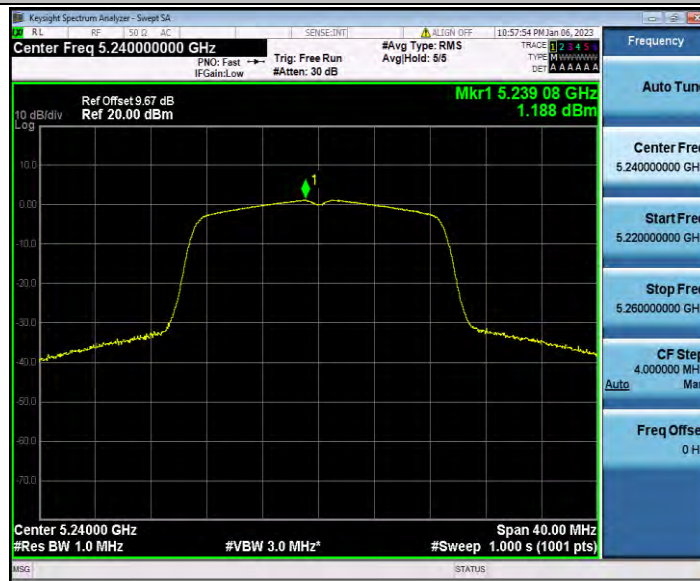
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



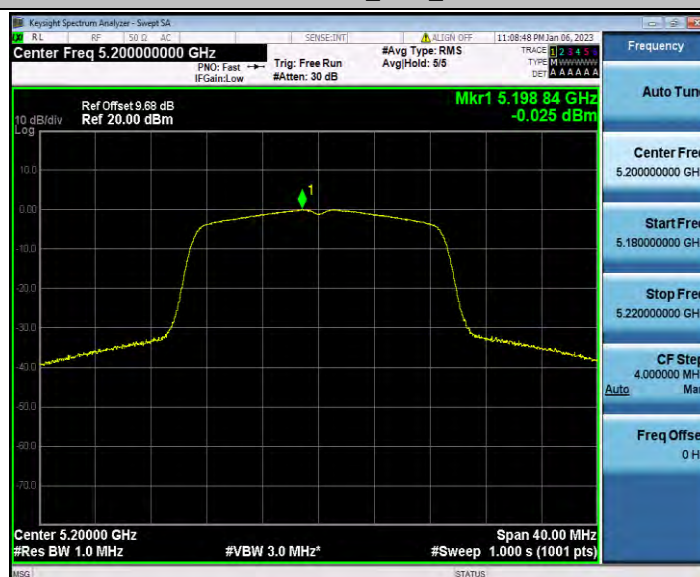
11N40SISO_Ant1_5230



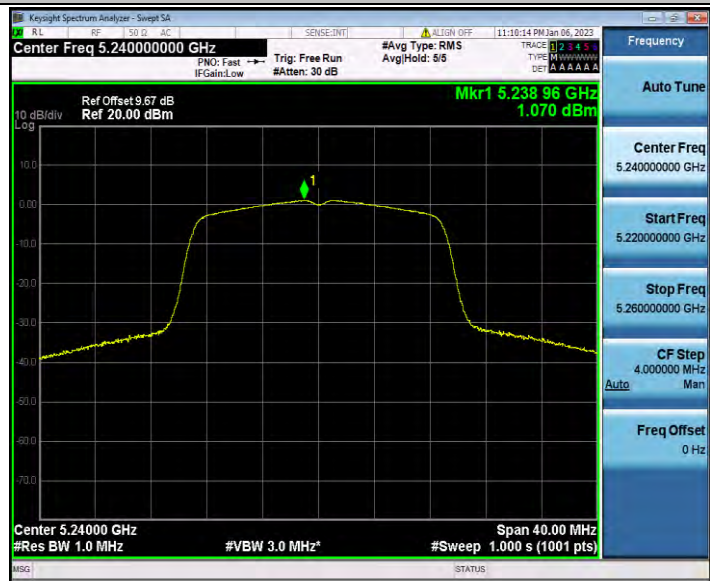
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



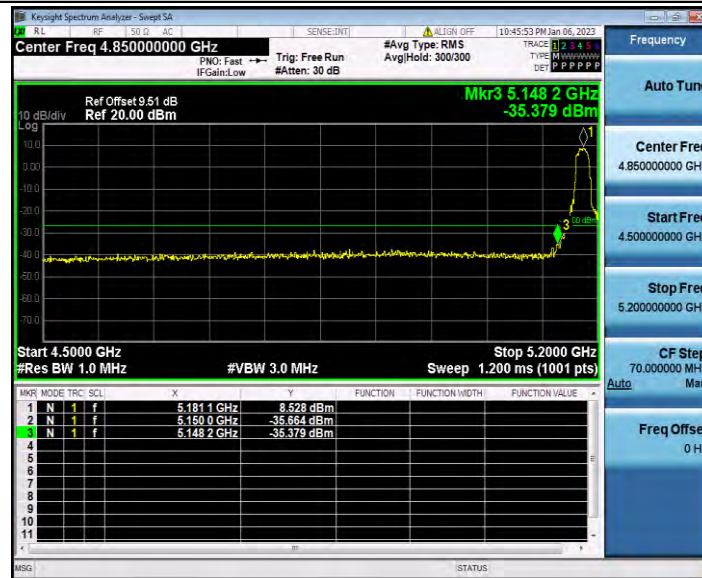
Appendix D.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-35.38	≤-27	PASS
		High	5240	-37.4	≤-27	PASS
11N20SISO	Ant1	Low	5180	-36.11	≤-27	PASS
		High	5240	-38.02	≤-27	PASS
11N40SISO	Ant1	Low	5190	-29.22	≤-27	PASS
		High	5230	-36.6	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-33.54	≤-27	PASS
		High	5240	-38.01	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-37.56	≤-27	PASS
		High	5230	-38.02	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-31.85	≤-27	PASS
		High	5210	-37.74	≤-27	PASS

Test Graphs B1/2/3

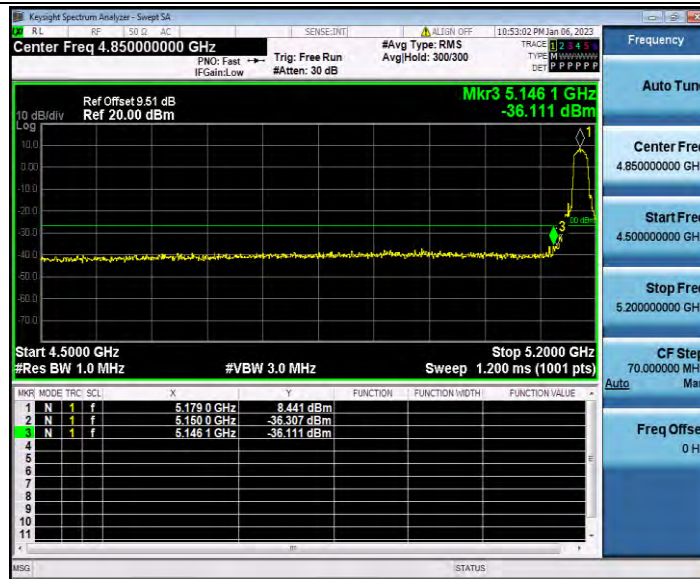
11A_Ant1_Low_5180



11A_Ant1_High_5240



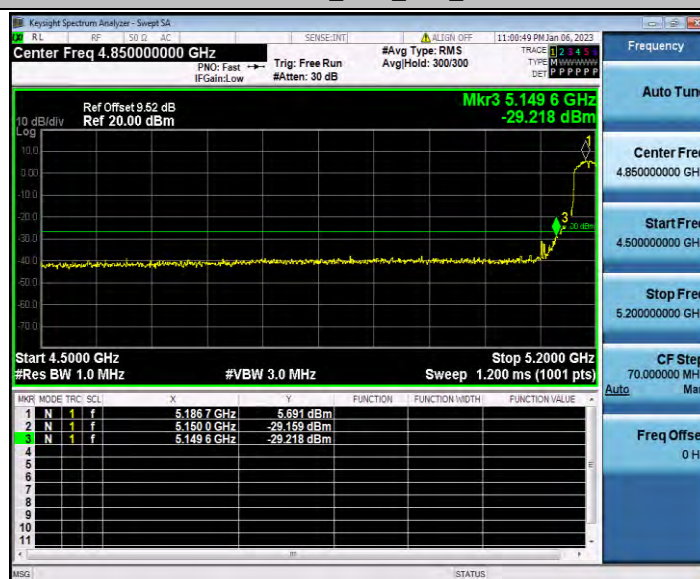
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



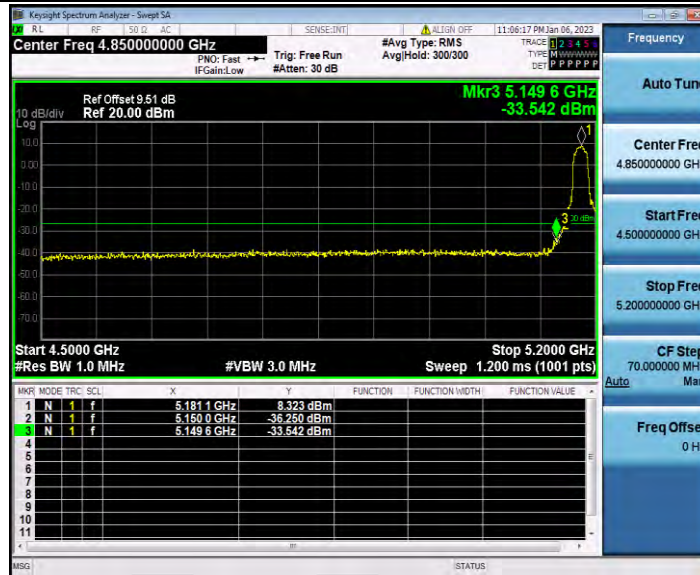
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



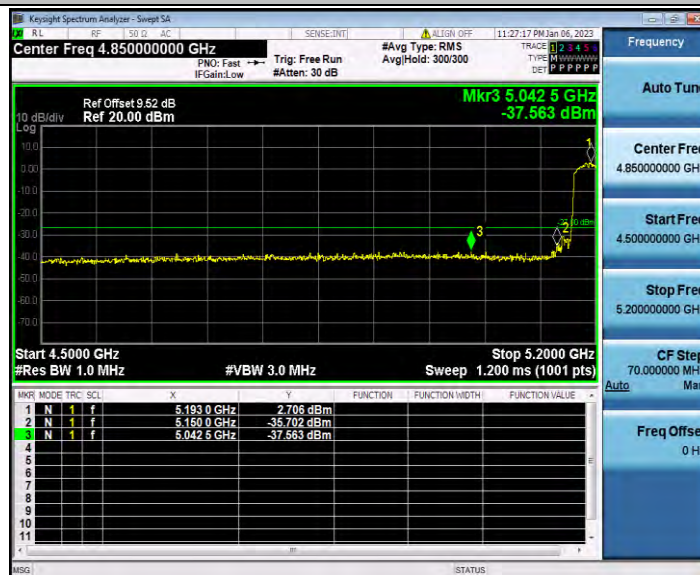
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



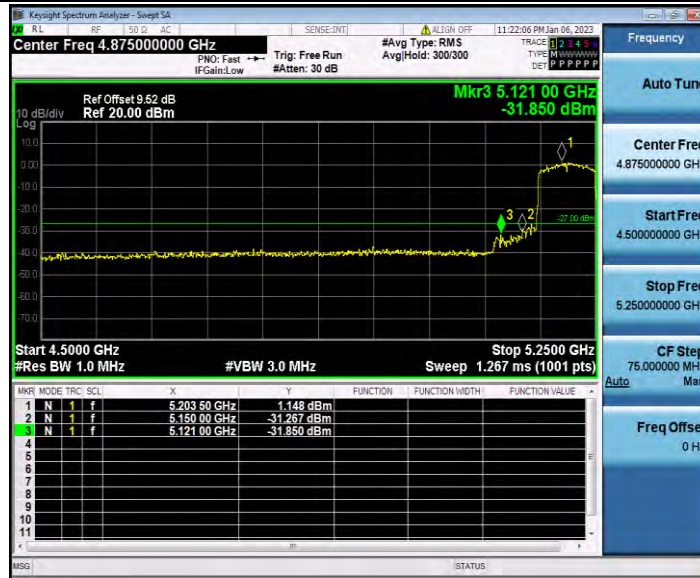
11AC40SISO_Ant1_Low_5190



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	5139.32	-45.99	≤-27	PASS
			5360~40000	26914.88	-38.48	≤-27	PASS
		5200	30~5140	5000.5	-47.37	≤-27	PASS
			5360~40000	26495.07	-38.45	≤-27	PASS
		5240	30~5140	2658.75	-47.13	≤-27	PASS
			5360~40000	25681.4	-38.1	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5128.93	-45.24	≤-27	PASS
			5360~40000	26839.86	-37.84	≤-27	PASS
		5200	30~5140	4957.4	-46.46	≤-27	PASS
			5360~40000	26816.06	-38.44	≤-27	PASS
		5240	30~5140	5051.94	-47.49	≤-27	PASS
			5360~40000	24773.24	-38.01	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5138.81	-40.88	≤-27	PASS
			5360~40000	26478.48	-38.37	≤-27	PASS
		5230	30~5140	4911.07	-47.46	≤-27	PASS
			5360~40000	25635.24	-38.56	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5139.32	-41.94	≤-27	PASS
			5360~40000	24243.79	-37.95	≤-27	PASS
		5200	30~5140	3189.34	-46.94	≤-27	PASS
			5360~40000	26869.44	-37.68	≤-27	PASS
		5240	30~5140	5026.39	-47.68	≤-27	PASS
			5360~40000	26054.33	-38.34	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.66	-38.15	≤-27	PASS
			5360~40000	24245.23	-37.41	≤-27	PASS
		5230	30~5140	3565.27	-47.13	≤-27	PASS
			5360~40000	26053.61	-37.37	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5135.74	-33.59	≤-27	PASS
			5360~40000	24155.06	-38.69	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



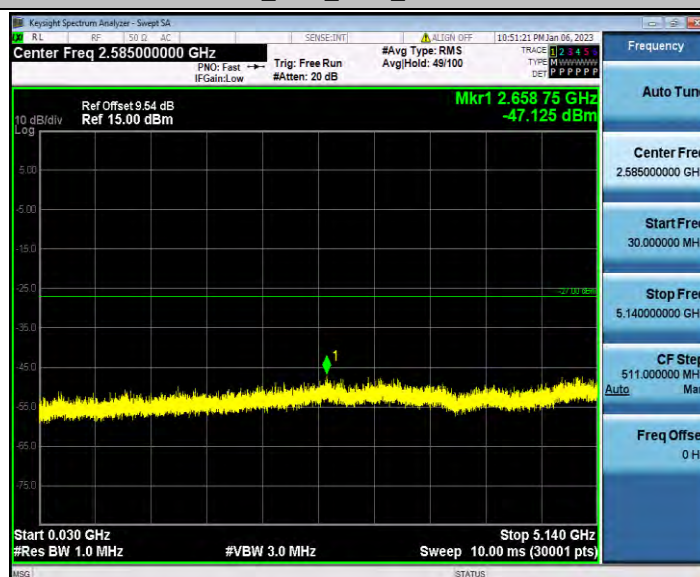
11A_Ant1_5200_30~5140



11A_Ant1_5200_5360~40000



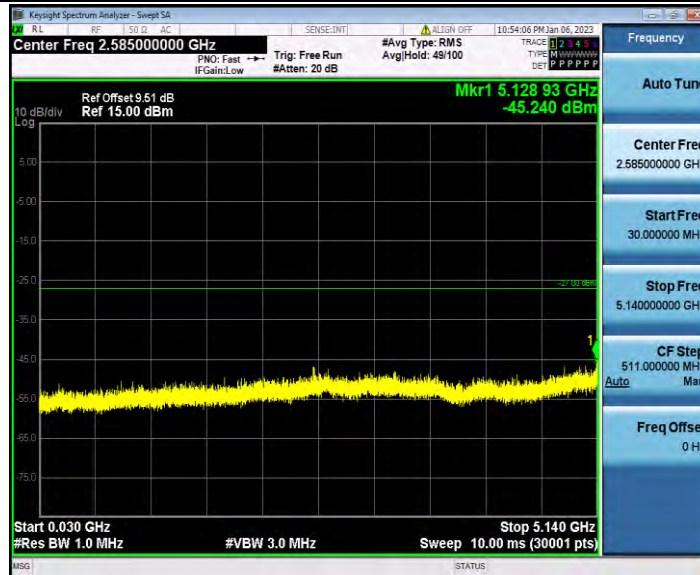
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



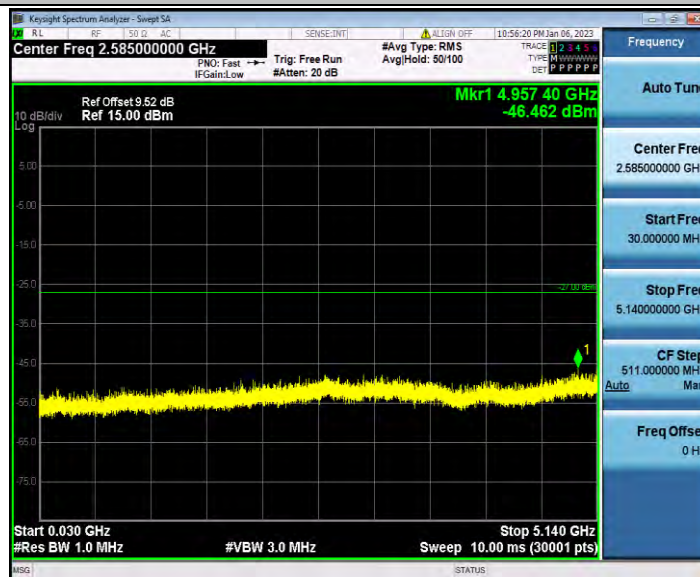
11N20SISO_Ant1_5180_30~5140



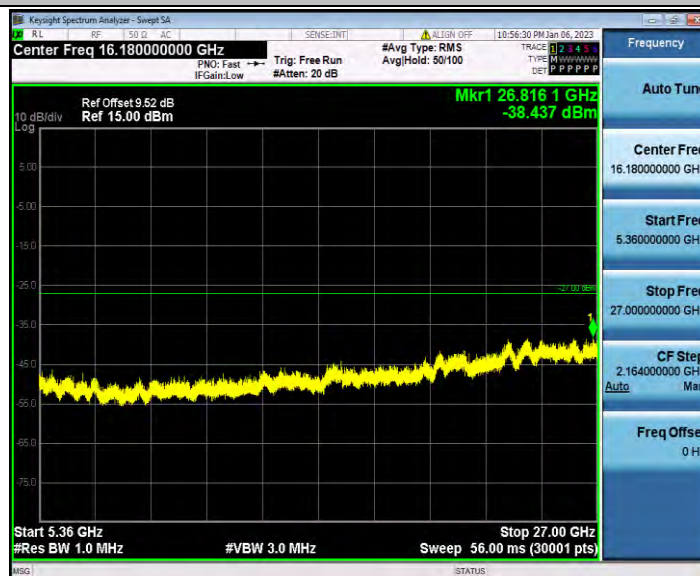
11N20SISO_Ant1_5180_5360~40000



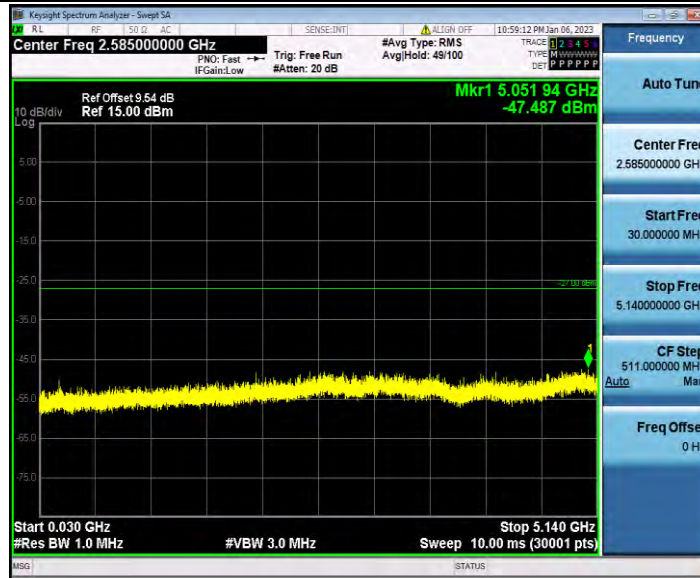
11N20SISO_Ant1_5200_30~5140



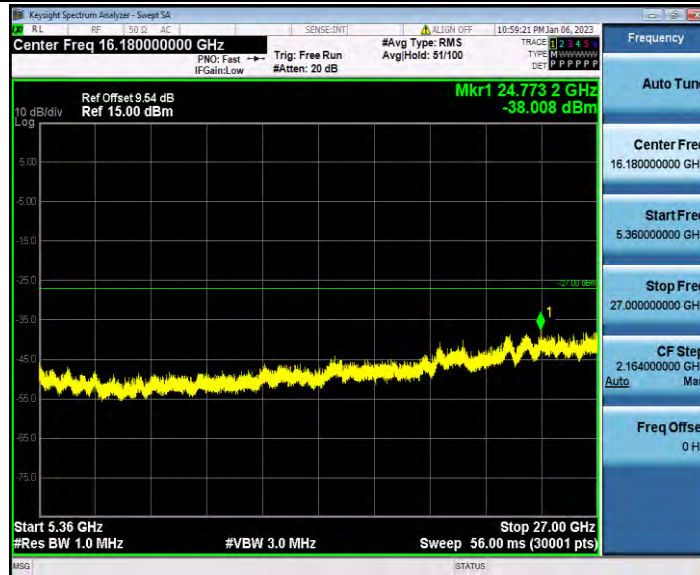
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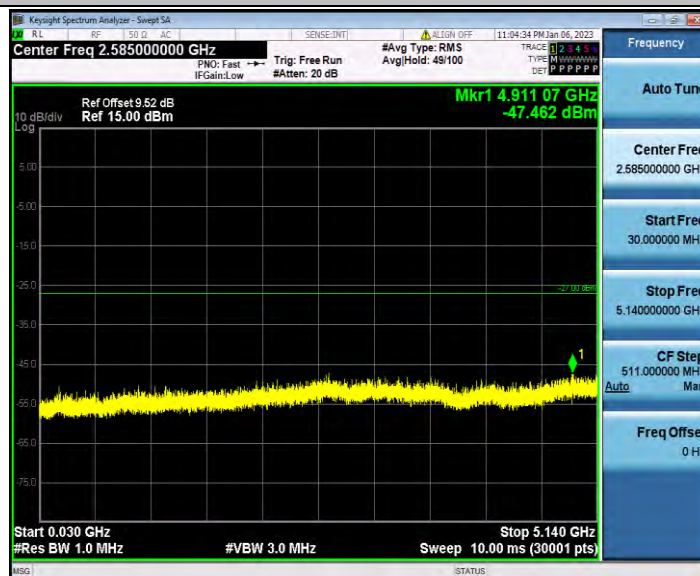
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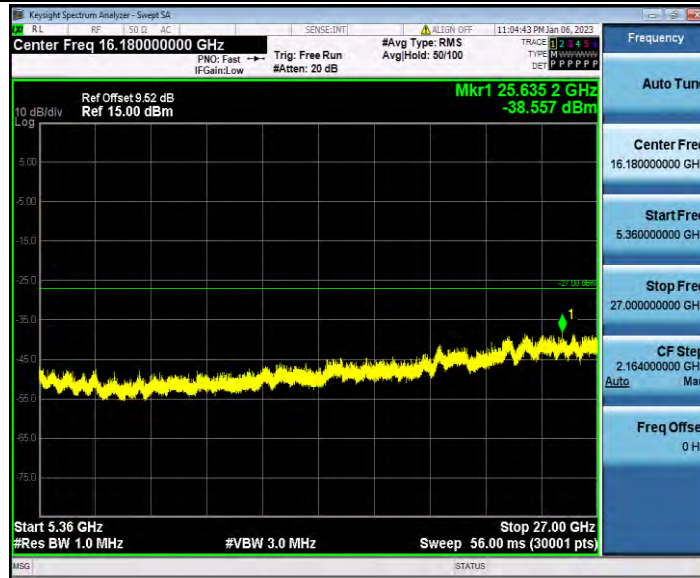
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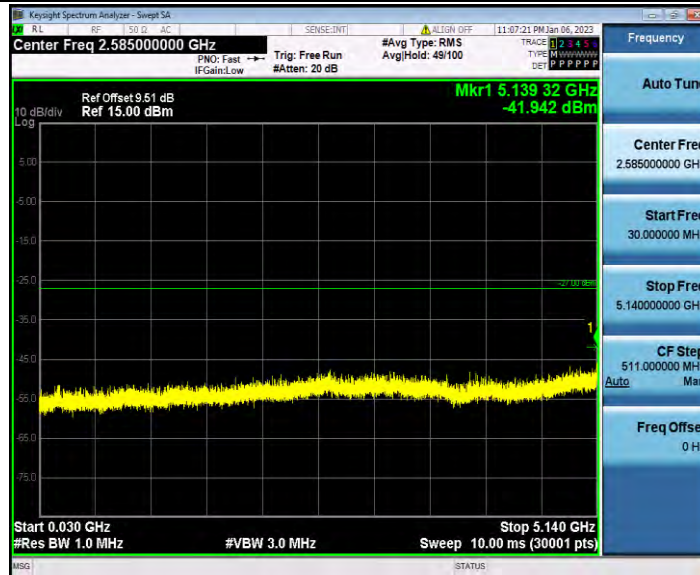
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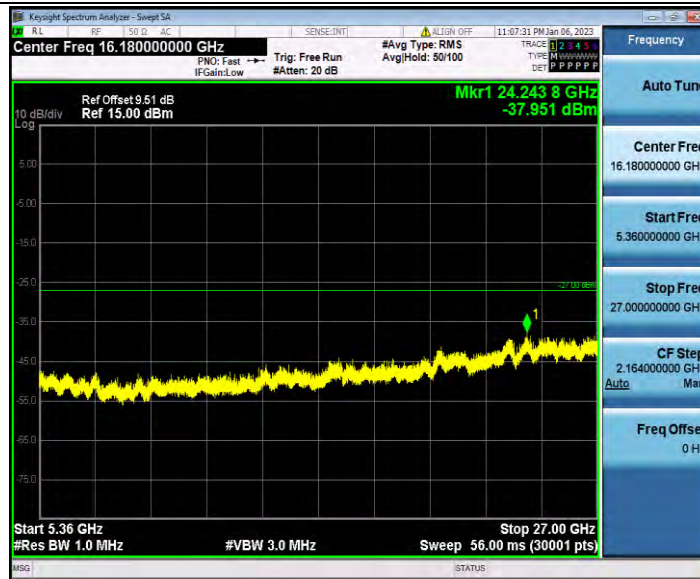
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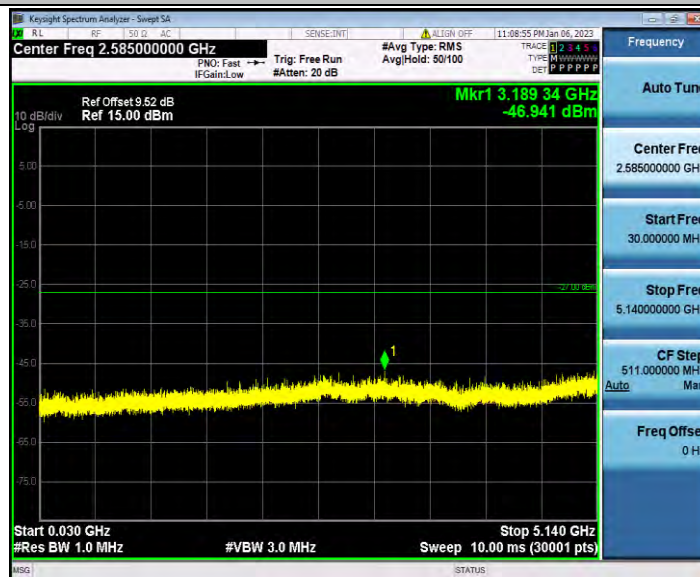
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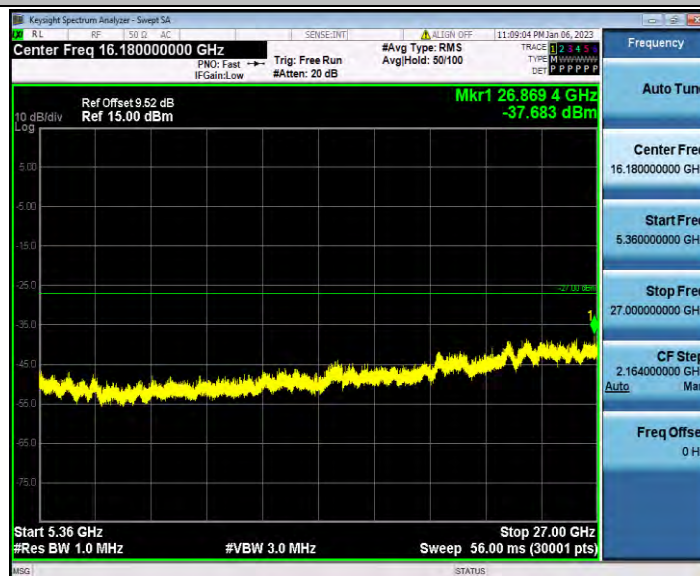
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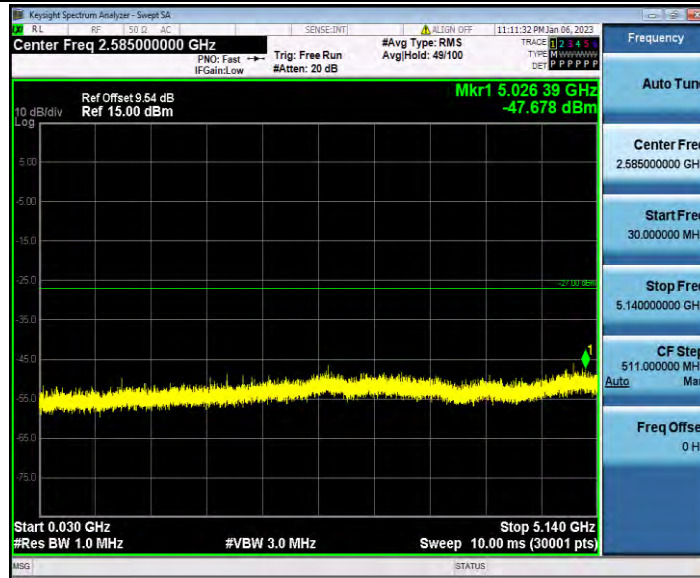
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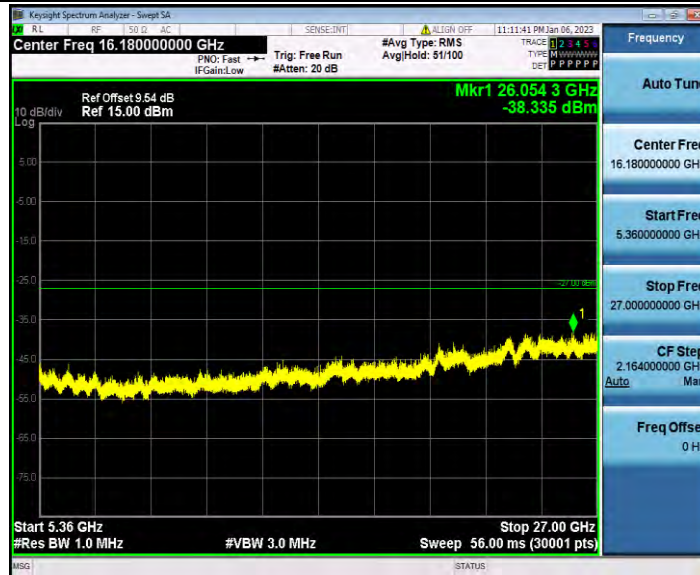
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11AC20SISO_Ant1_5240_30~5140



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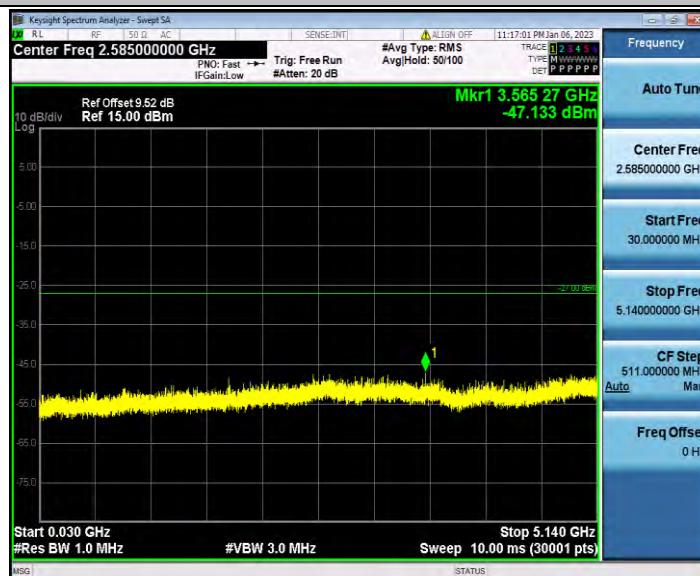
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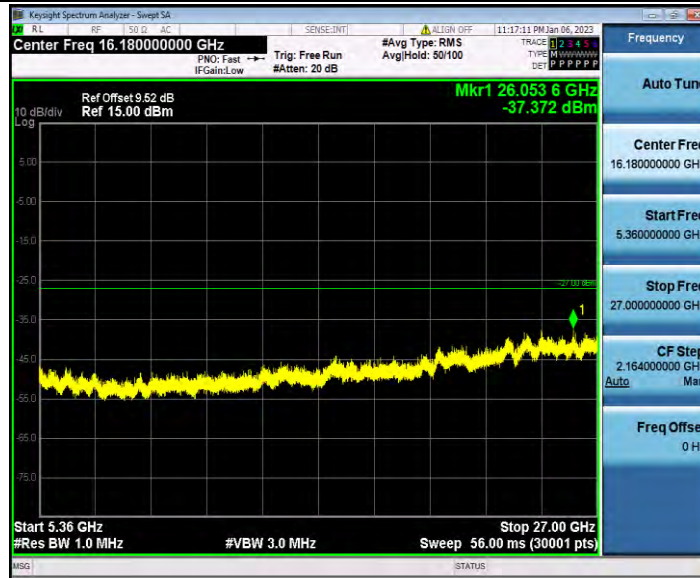
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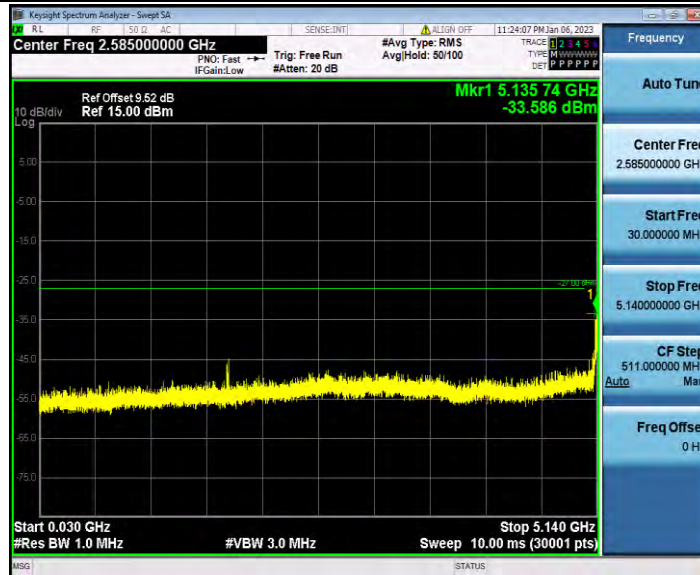
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

