

Case No. : GTS20220421027-1-2	
Ambient Condition: 22 °C, 43 %RH,	
Test Date: 2022/6/2	Test Engineer: Jenny Zeng

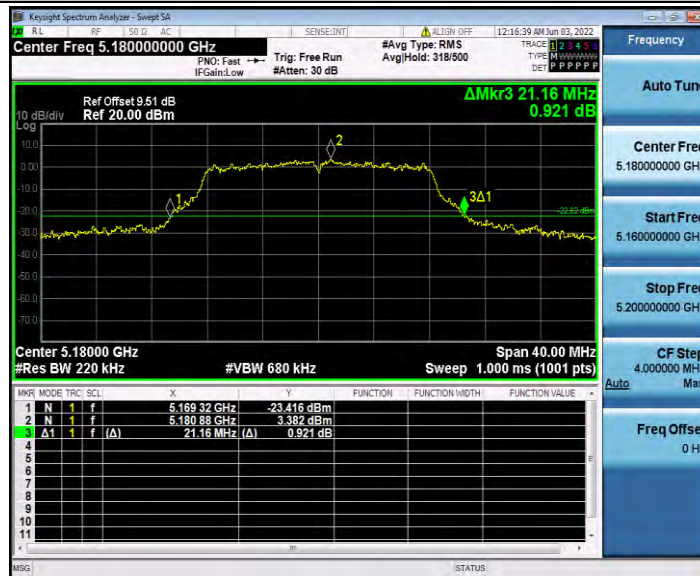
Appendix B.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.160	5169.320	5190.480	---	---
		5200	21.480	5189.320	5210.800	---	---
		5240	21.200	5229.280	5250.480	---	---
11N20SISO	Ant1	5180	22.240	5169.160	5191.400	---	---
		5200	25.800	5189.320	5215.120	---	---
		5240	21.680	5229.280	5250.960	---	---
11N40SISO	Ant1	5190	48.000	5170.160	5218.160	---	---
		5230	46.480	5210.160	5256.640	---	---
11AC20SISO	Ant1	5180	24.360	5169.280	5193.640	---	---
		5200	23.400	5189.240	5212.640	---	---
		5240	21.960	5229.160	5251.120	---	---
11AC40SISO	Ant1	5190	44.400	5170.320	5214.720	---	---
		5230	41.040	5210.080	5251.120	---	---
11AC80SISO	Ant1	5210	81.280	5169.680	5250.960	---	---

Test Graphs

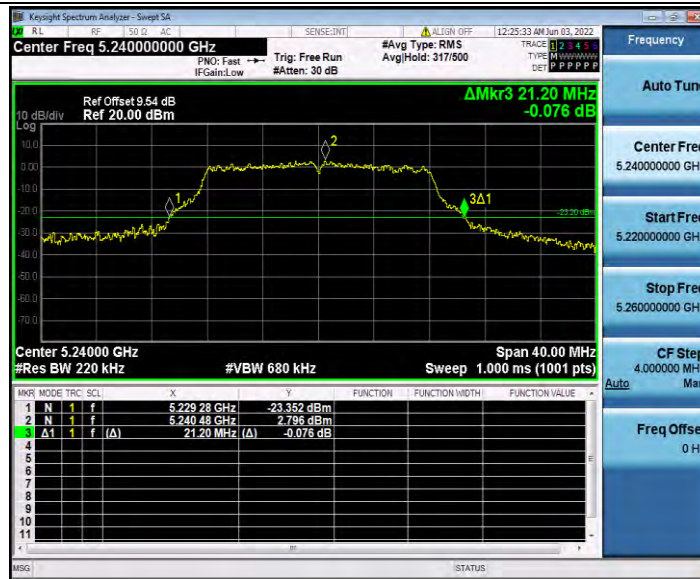
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



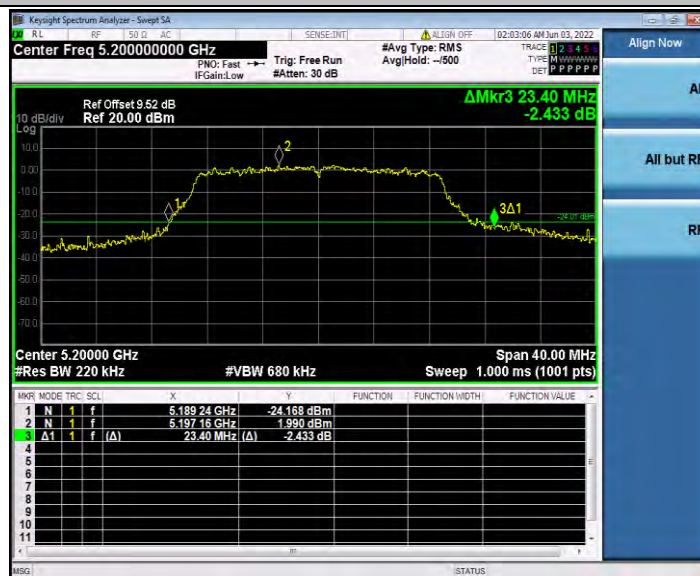
11N40SISO_Ant1_5230



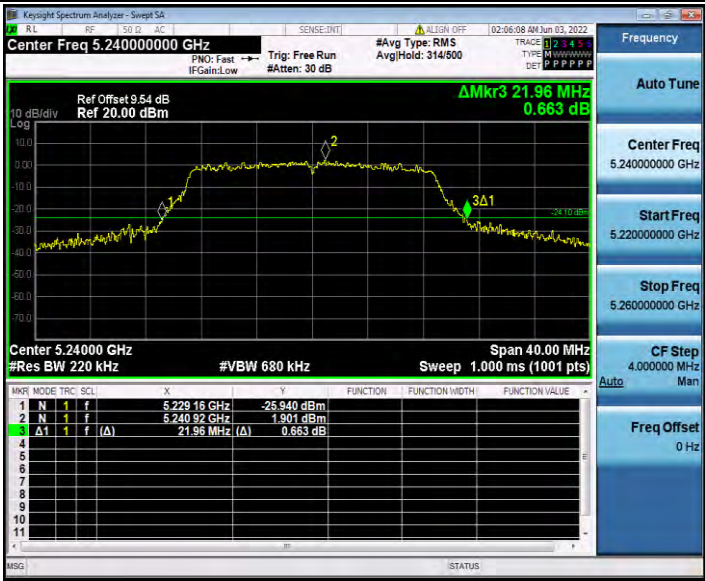
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



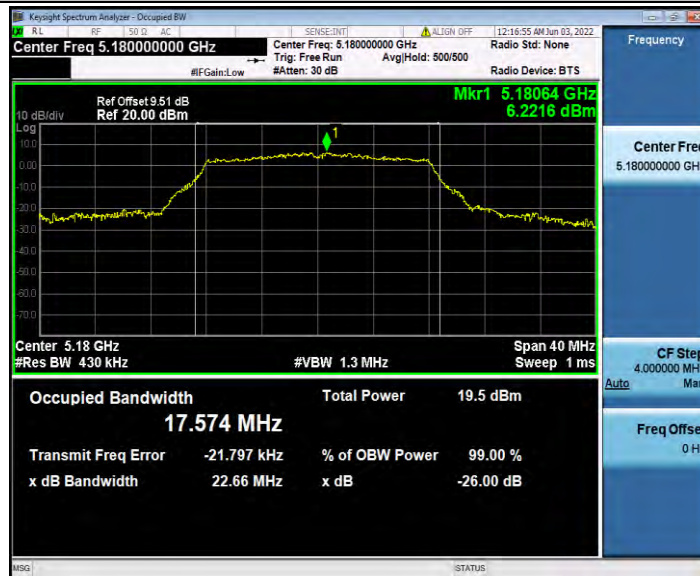
Appendix B.2: Occupied channel bandwidth

Test Result

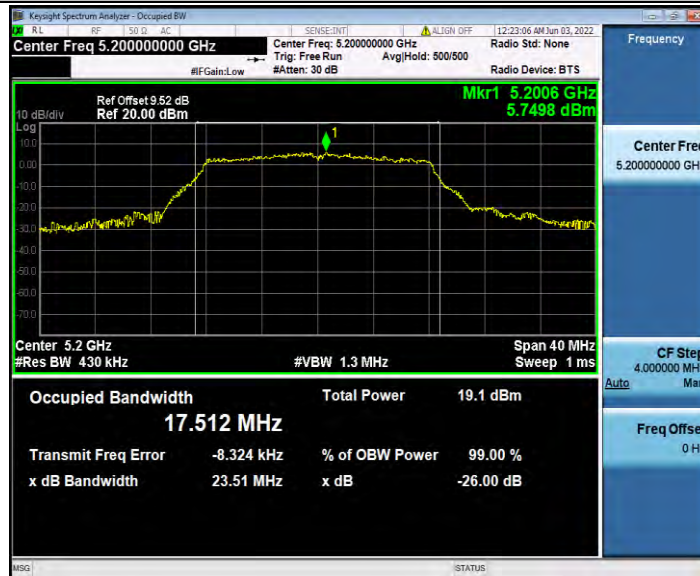
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.574	5171.191	5188.765	---	---
		5200	17.512	5191.236	5208.748	---	---
		5240	17.426	5231.195	5248.621	---	---
11N20SISO	Ant1	5180	18.445	5170.889	5189.334	---	---
		5200	18.500	5190.825	5209.325	---	---
		5240	18.355	5230.828	5249.183	---	---
11N40SISO	Ant1	5190	36.614	5171.859	5208.473	---	---
		5230	36.646	5211.683	5248.329	---	---
11AC20SISO	Ant1	5180	18.502	5170.895	5189.397	---	---
		5200	18.461	5190.853	5209.314	---	---
		5240	18.369	5230.805	5249.174	---	---
11AC40SISO	Ant1	5190	36.702	5171.876	5208.578	---	---
		5230	36.583	5211.728	5248.311	---	---
11AC80SISO	Ant1	5210	75.517	5172.361	5247.878	---	---

Test Graphs

11A_Ant1_5180



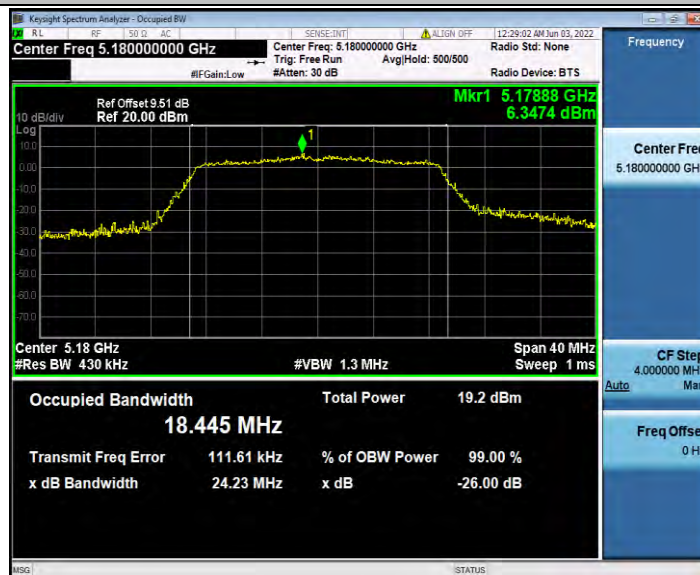
11A_Ant1_5200



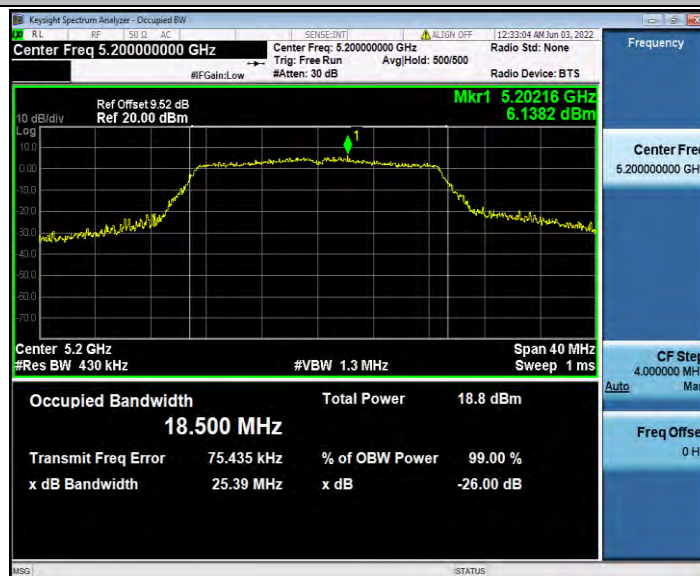
11A_Ant1_5240



11N20SISO_Ant1_5180



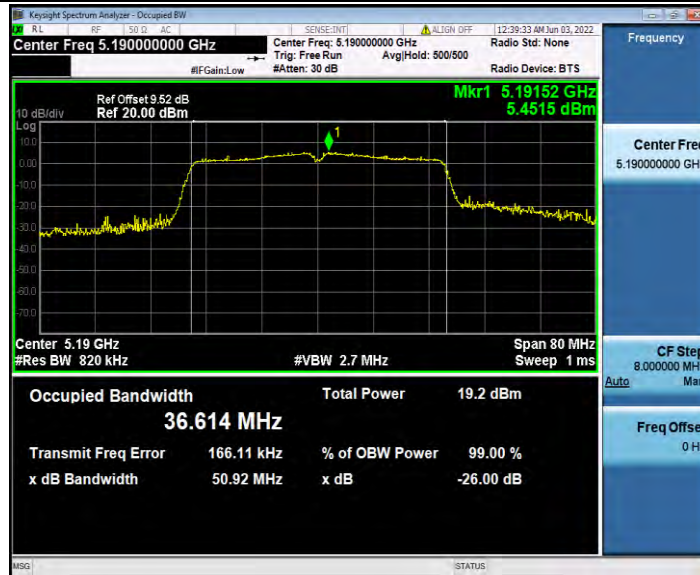
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



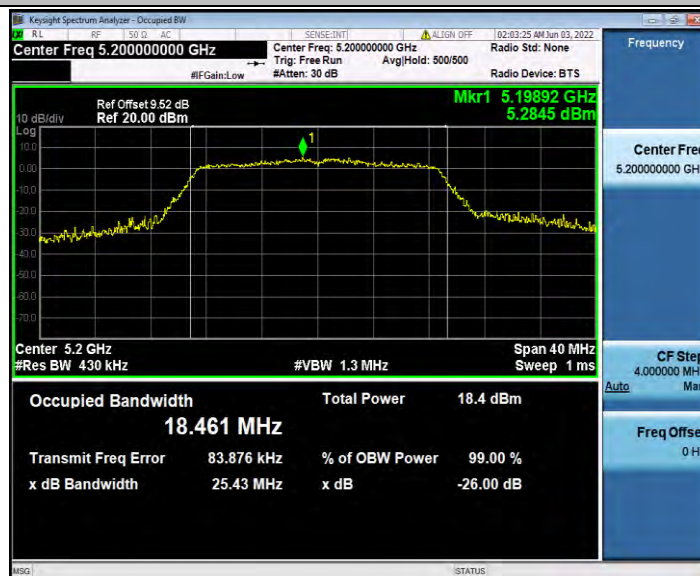
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



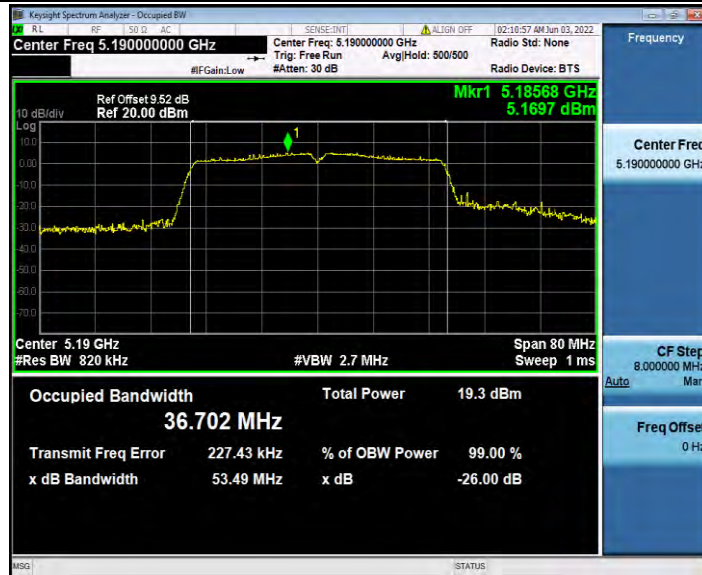
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



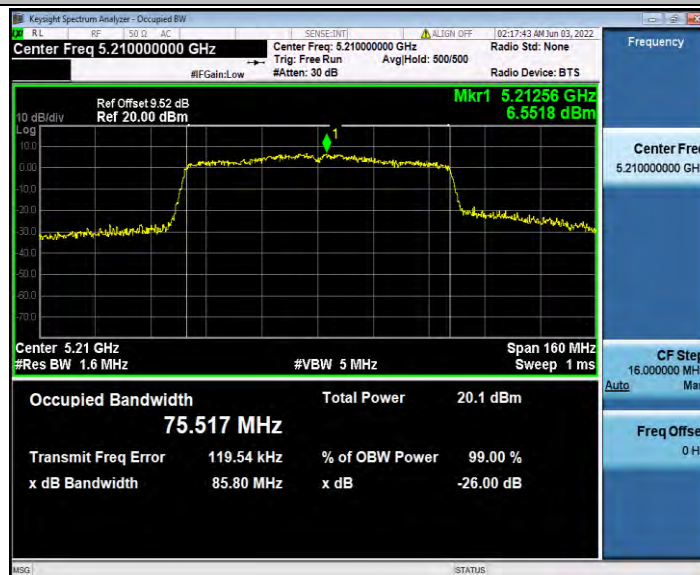
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



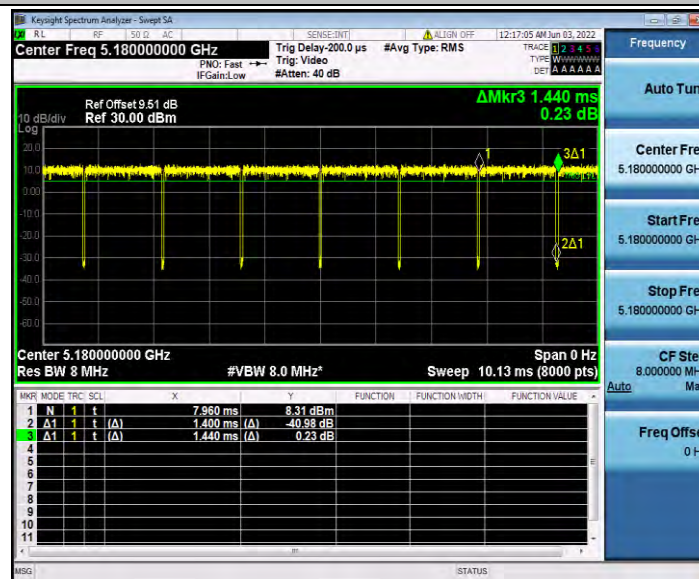
Appendix B.3: Duty Cycle

Test Result

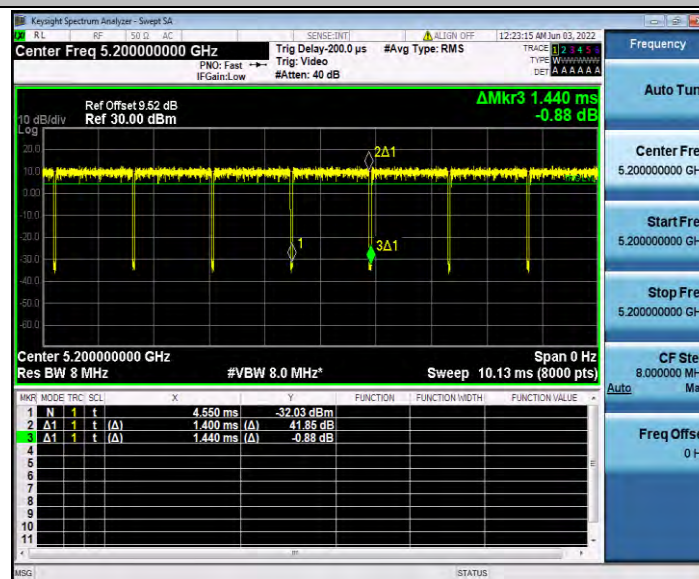
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5180	1.40	1.44	97.22	0.12
		5200	1.40	1.44	97.22	0.12
		5240	1.40	1.44	97.22	0.12
11N20SISO	Ant1	5180	1.31	1.35	97.04	0.13
		5200	1.30	1.34	97.01	0.13
		5240	1.31	1.35	97.04	0.13
11N40SISO	Ant1	5190	0.64	0.69	92.75	0.33
		5230	0.64	0.69	92.75	0.33
11AC20SISO	Ant1	5180	1.32	1.36	97.06	0.13
		5200	1.32	1.36	97.06	0.13
		5240	1.31	1.35	97.04	0.13
11AC40SISO	Ant1	5190	0.66	0.70	94.29	0.26
		5230	0.65	0.70	92.86	0.32
11AC80SISO	Ant1	5210	0.32	0.40	80.00	0.97

Test Graphs

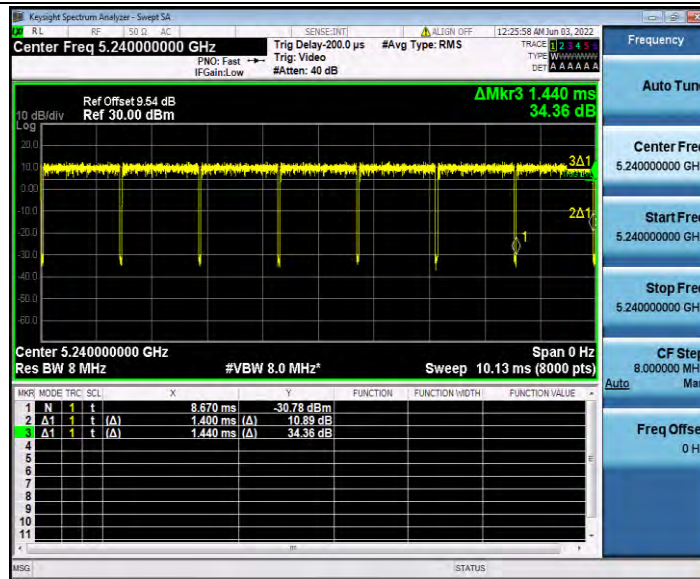
11A_Ant1_5180



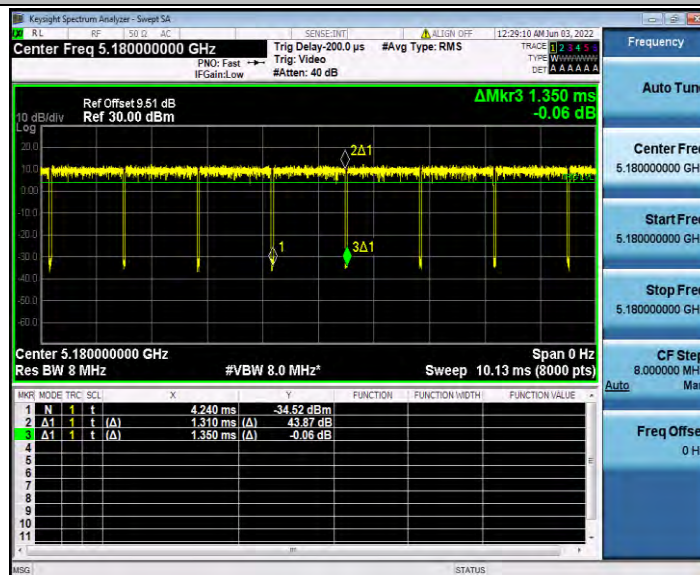
11A_Ant1_5200



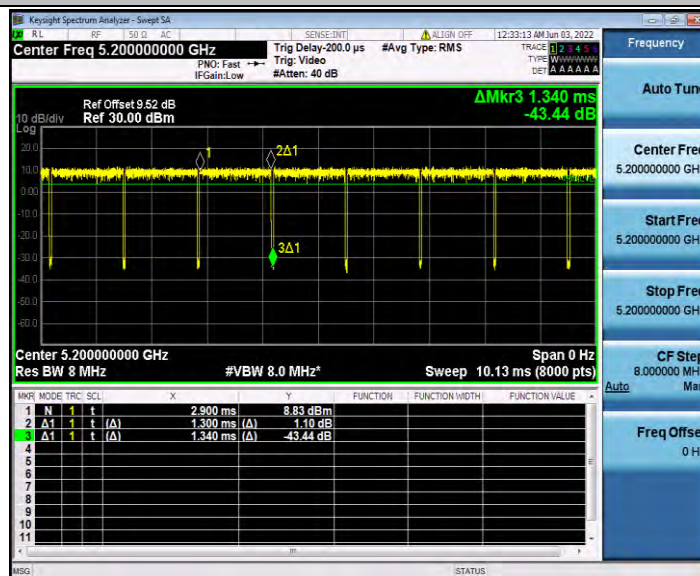
11A_Ant1_5240



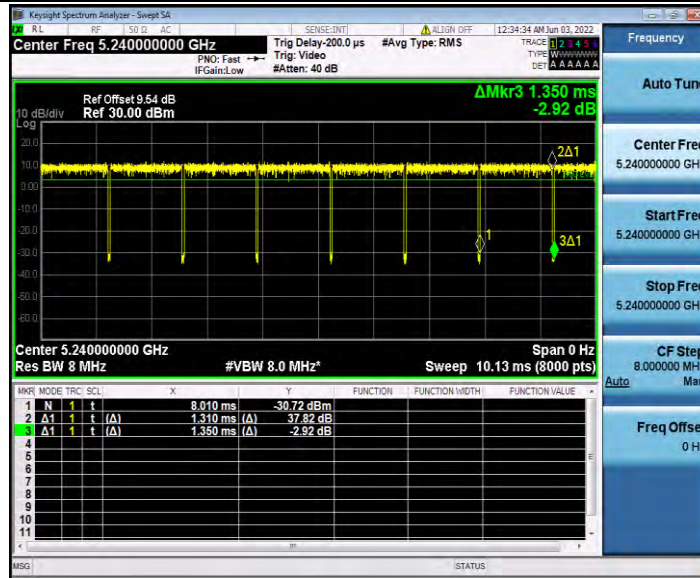
11N20SISO_Ant1_5180



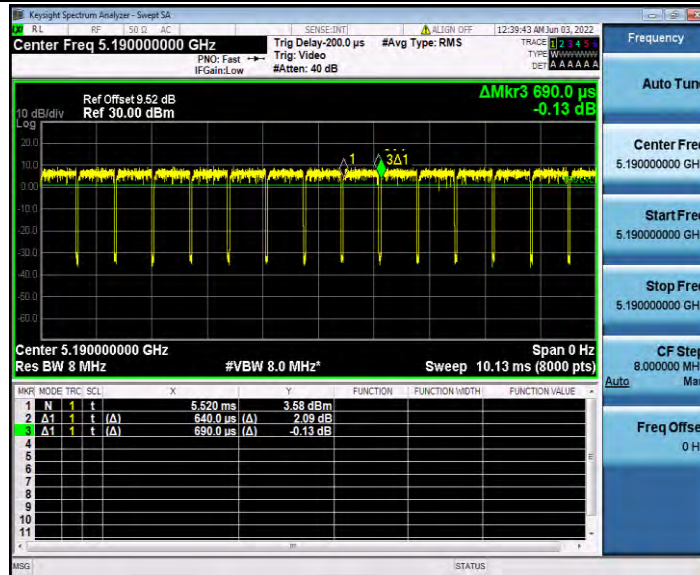
11N20SISO_Ant1_5200



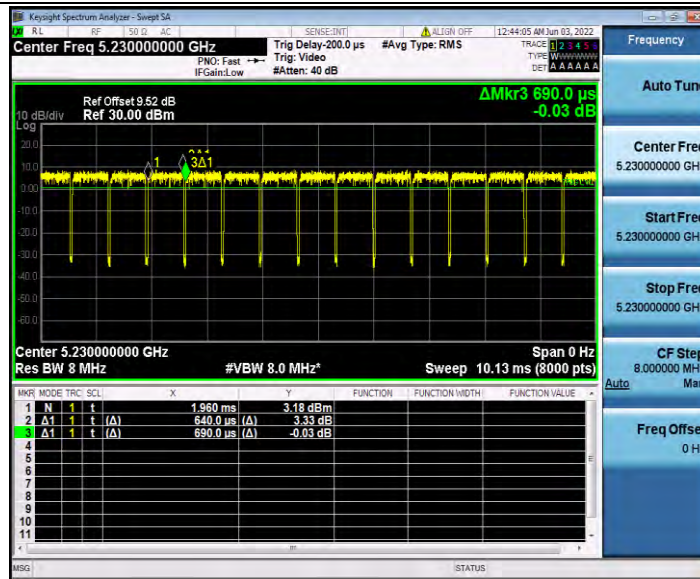
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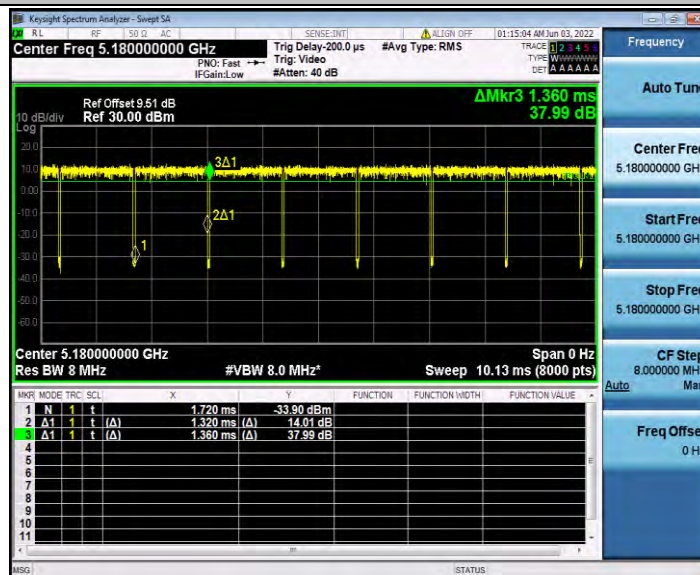
11N40SISO_Ant1_5190



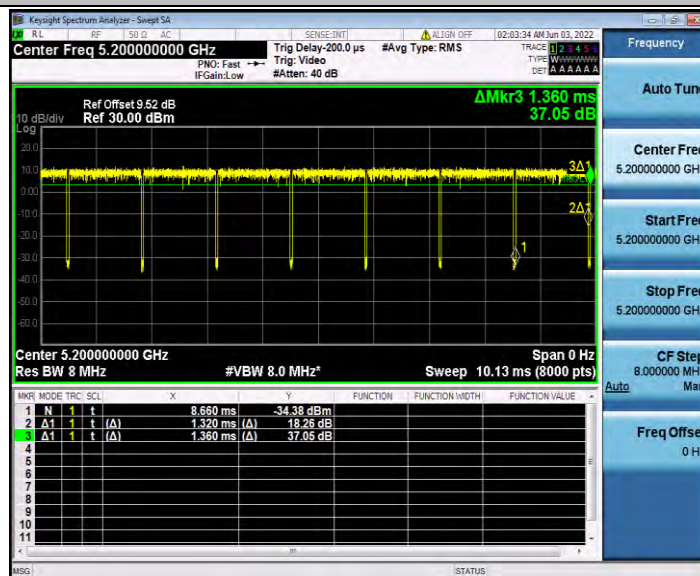
11N40SISO_Ant1_5230



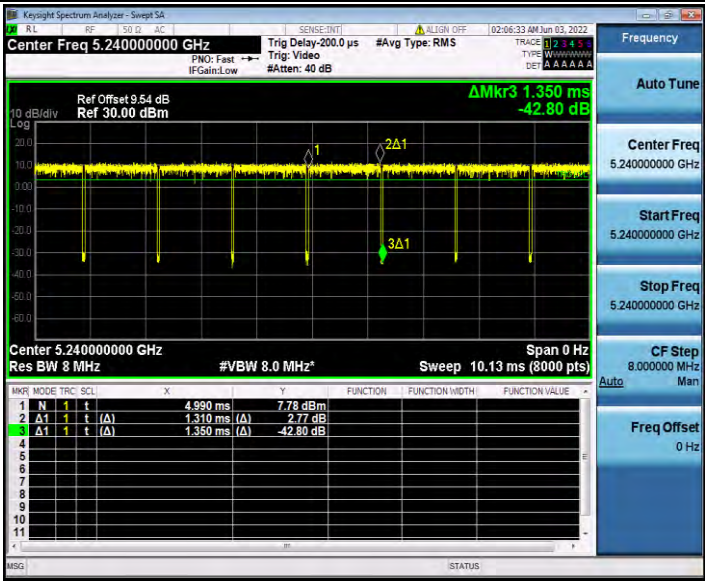
11AC20SISO_Ant1_5180



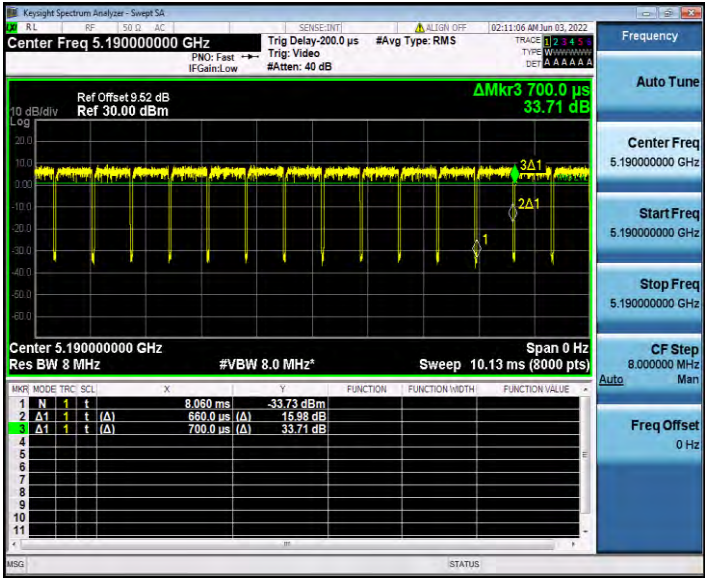
11AC20SISO_Ant1_5200



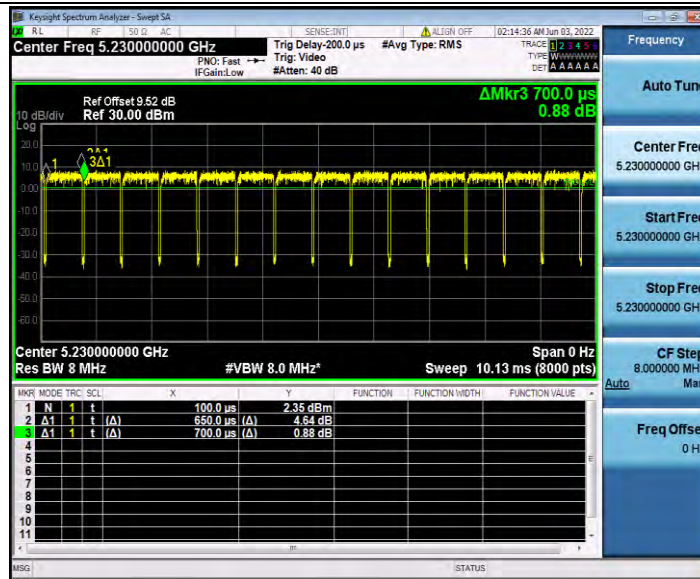
11AC20SISO_Ant1_5240



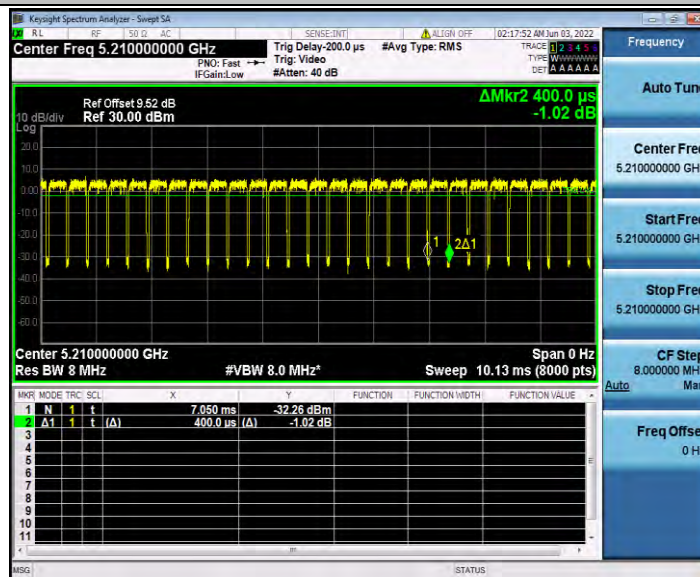
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	7.89	≤11.00	PASS
		5200	7.53	≤11.00	PASS
		5240	7.58	≤11.00	PASS
11N20SISO	Ant1	5180	6.95	≤11.00	PASS
		5200	6.78	≤11.00	PASS
		5240	6.27	≤11.00	PASS
11N40SISO	Ant1	5190	3.99	≤11.00	PASS
		5230	3.65	≤11.00	PASS
11AC20SISO	Ant1	5180	7.03	≤11.00	PASS
		5200	6.93	≤11.00	PASS
		5240	6.53	≤11.00	PASS
11AC40SISO	Ant1	5190	4.78	≤11.00	PASS
		5230	3.95	≤11.00	PASS
11AC80SISO	Ant1	5210	1.33	≤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



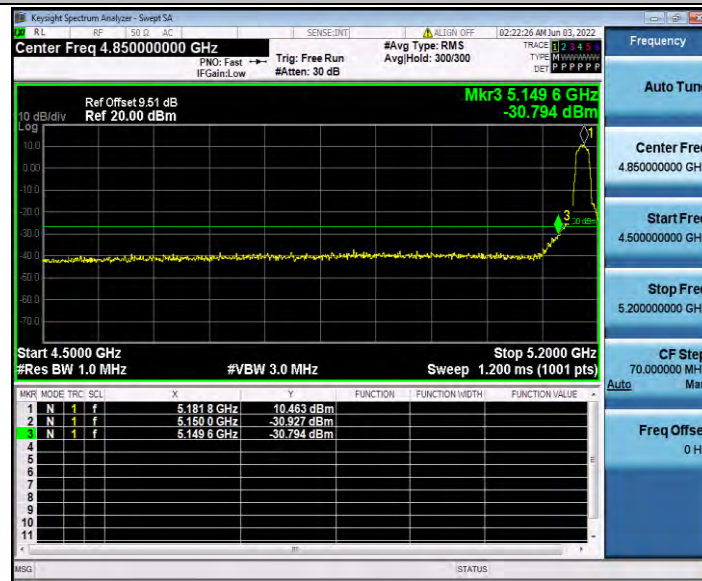
Appendix B.5: Band edge measurements

Test Result B1/2/3

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-30.79	≤-27	PASS
		High	5240	-37.25	≤-27	PASS
11N20SISO	Ant1	Low	5180	-29.32	≤-27	PASS
		High	5240	-37.84	≤-27	PASS
11N40SISO	Ant1	Low	5190	-29.92	≤-27	PASS
		High	5230	-37.9	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-29.12	≤-27	PASS
		High	5240	-37.79	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-28.88	≤-27	PASS
		High	5230	-38.08	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-30.48	≤-27	PASS
		High	5210	-36.83	≤-27	PASS

Test Graphs B1

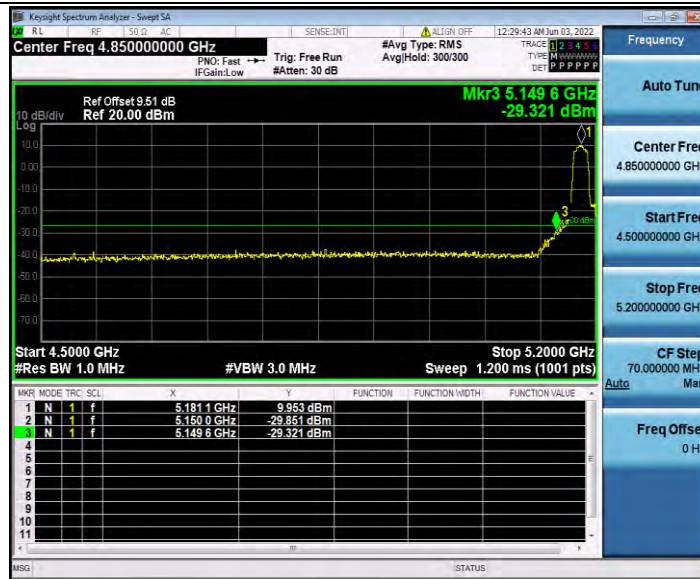
11A_Ant1_Low_5180



11A_Ant1_High_5240



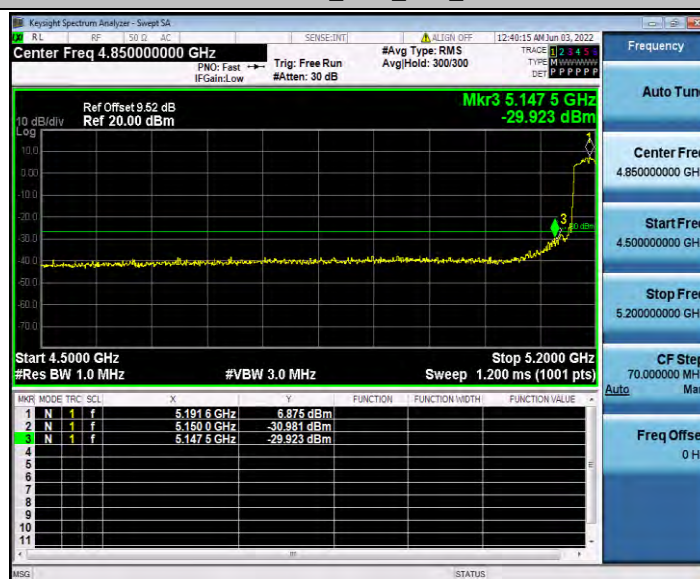
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



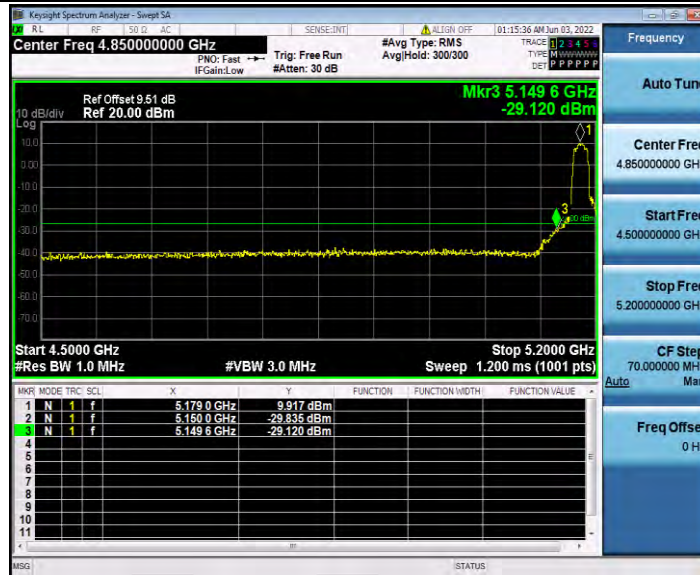
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



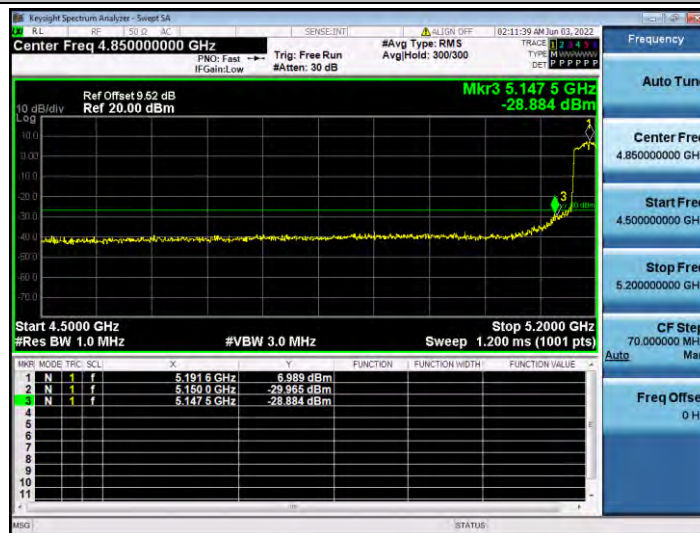
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



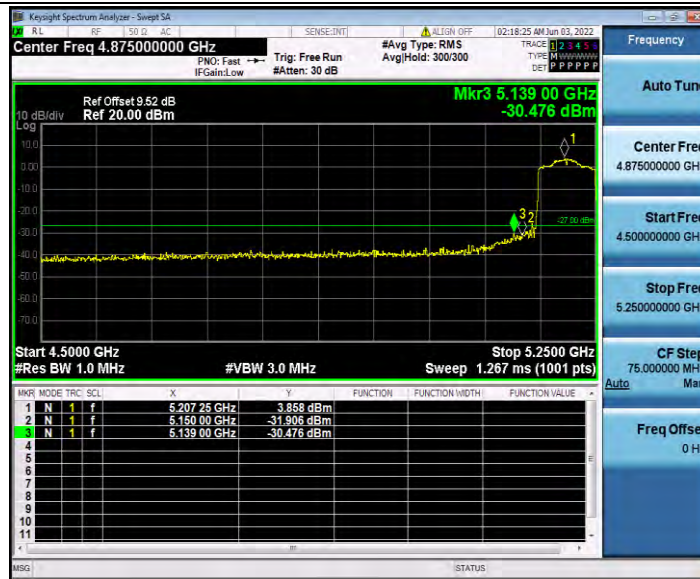
11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix B.6: 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	5138.3	-32.42	≤-27	PASS
			5360~40000	26925.7	-38.23	≤-27	PASS
		5200	30~5140	5138.13	-46.91	≤-27	PASS
			5360~40000	26026.2	-37.11	≤-27	PASS
		5240	30~5140	4982.27	-47.14	≤-27	PASS
			5360~40000	26663.86	-38.04	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5136.59	-34.55	≤-27	PASS
			5360~40000	24244.51	-38.16	≤-27	PASS
		5200	30~5140	3038.77	-46.89	≤-27	PASS
			5360~40000	24862.69	-37.63	≤-27	PASS
		5240	30~5140	907.22	-39.67	≤-27	PASS
			5360~40000	25291.88	-37.4	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5137.79	-35.01	≤-27	PASS
			5360~40000	26744.65	-37.76	≤-27	PASS
		5230	30~5140	5137.79	-41.07	≤-27	PASS
			5360~40000	24238.01	-37.4	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5139.83	-36.36	≤-27	PASS
			5360~40000	24262.54	-38.01	≤-27	PASS
		5200	30~5140	4965.92	-47.44	≤-27	PASS
			5360~40000	25969.94	-37.89	≤-27	PASS
		5240	30~5140	5027.92	-47.05	≤-27	PASS
			5360~40000	26859.34	-38.21	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5129.95	-35.69	≤-27	PASS
			5360~40000	26010.33	-38.39	≤-27	PASS
		5230	30~5140	5135.74	-44.35	≤-27	PASS
			5360~40000	25291.88	-38.18	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5138.13	-34.29	≤-27	PASS
			5360~40000	26042.07	-37.29	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



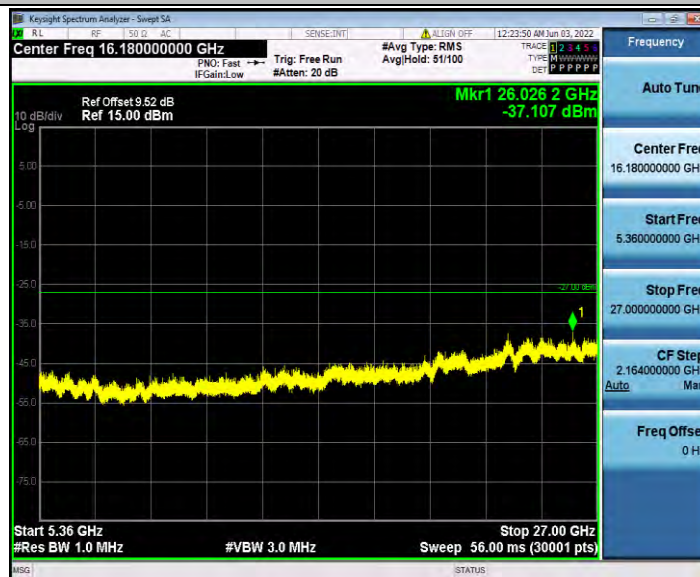
11A_Ant1_5180_5360~40000



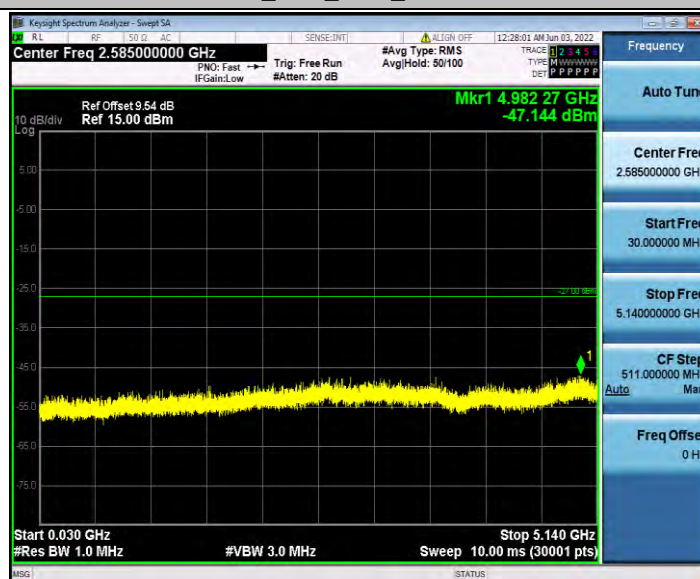
11A_Ant1_5200_30~5140



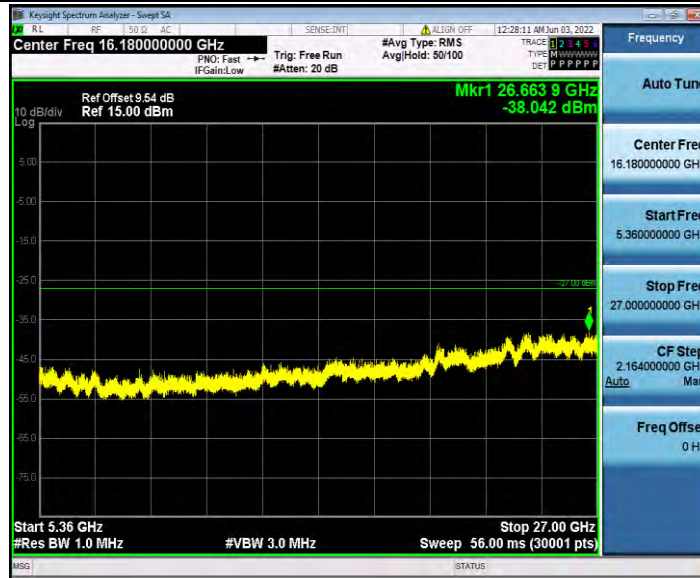
11A_Ant1_5200_5360~40000



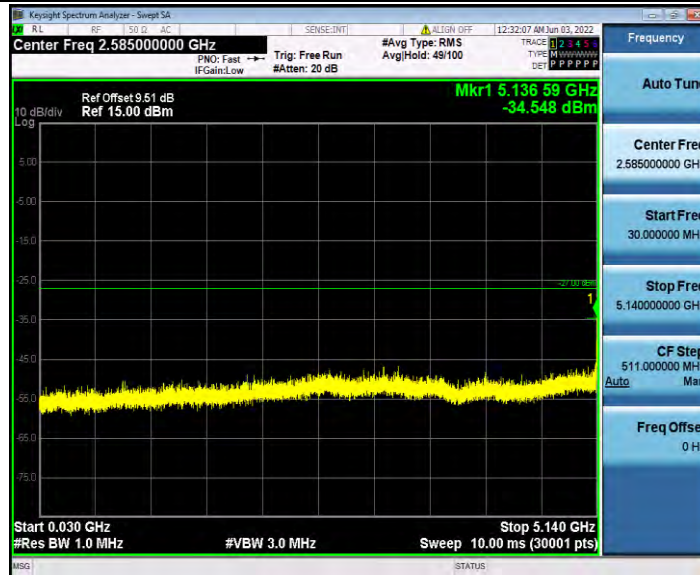
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



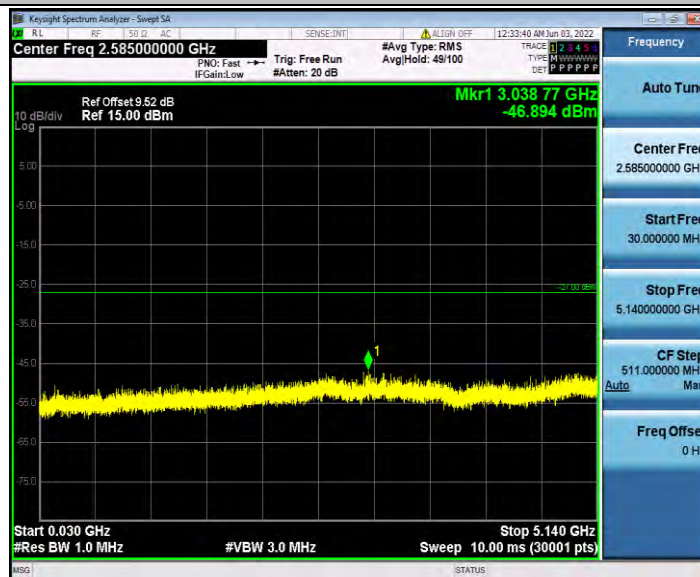
11N20SISO_Ant1_5180_30~5140



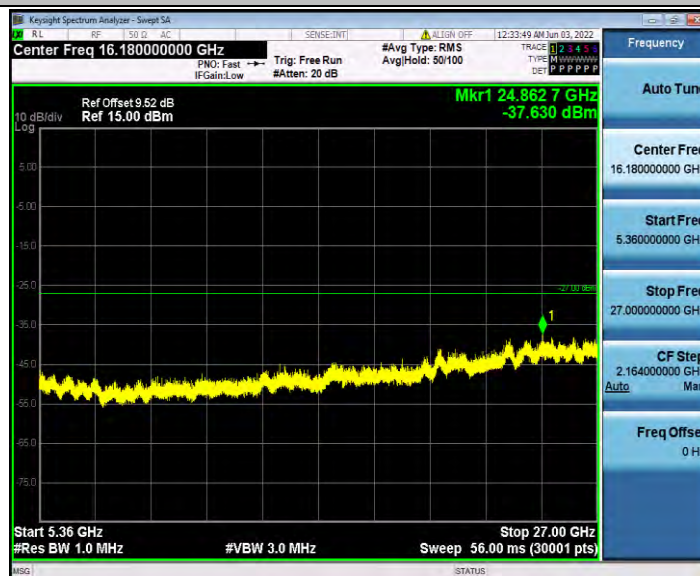
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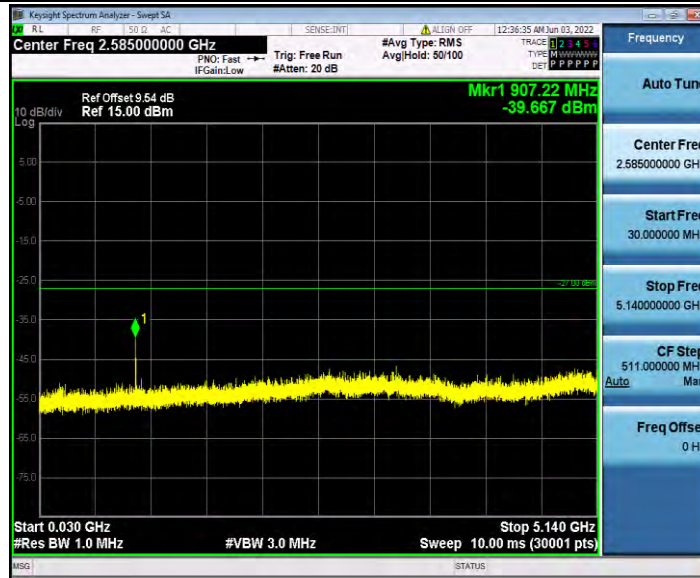
11N20SISO_Ant1_5200_30~5140



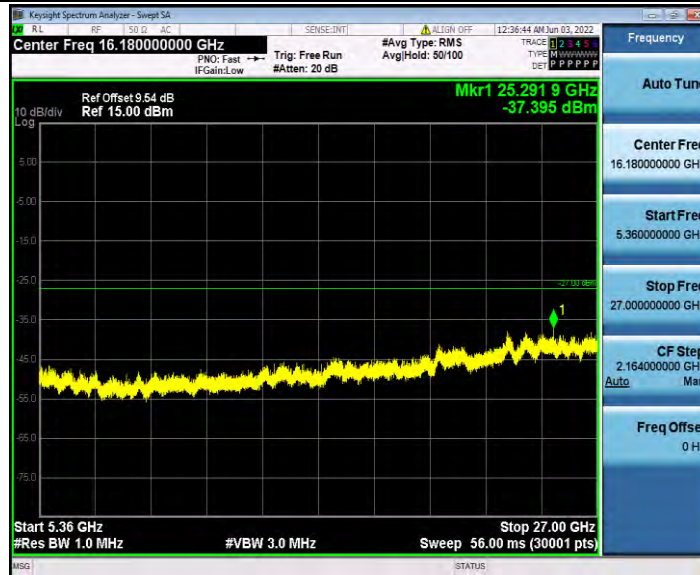
11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~40000



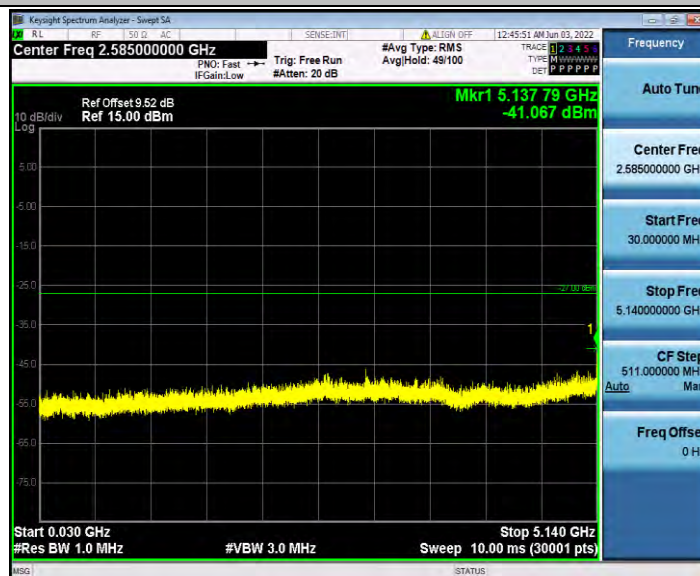
11N40SISO_Ant1_5190_30~5140



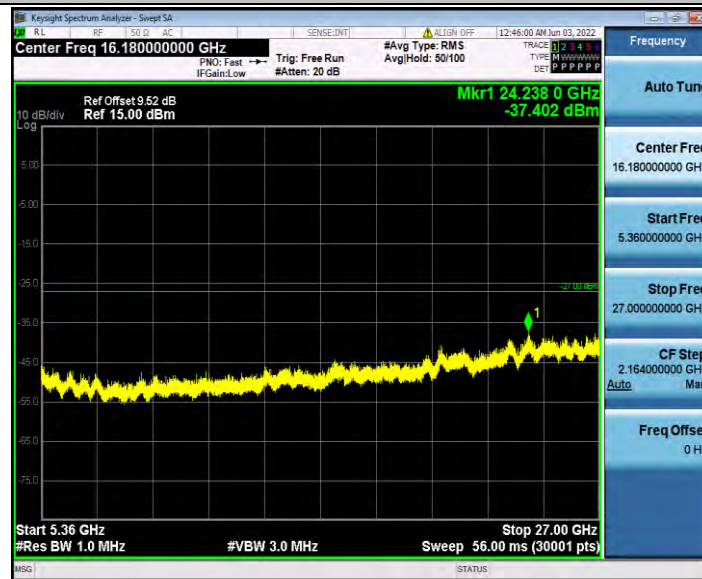
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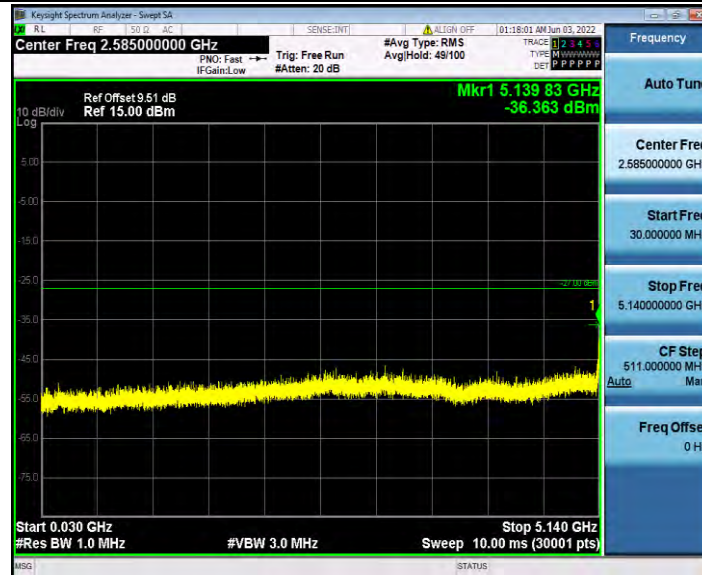
11N40SISO_Ant1_5230_30~5140



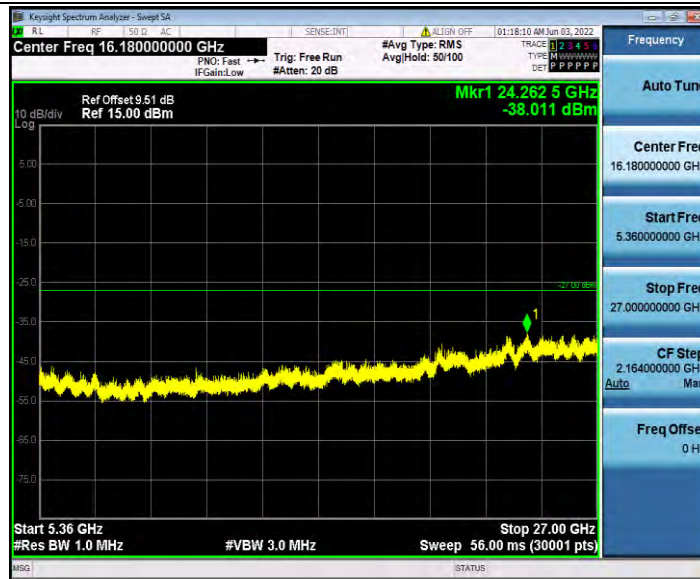
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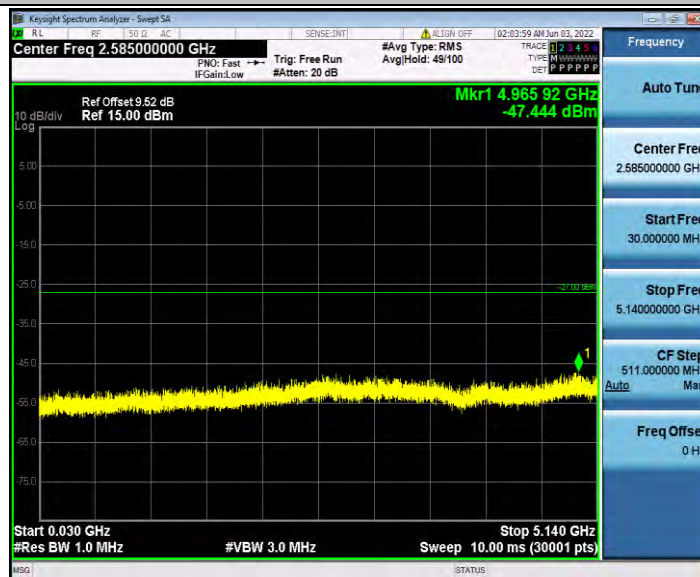
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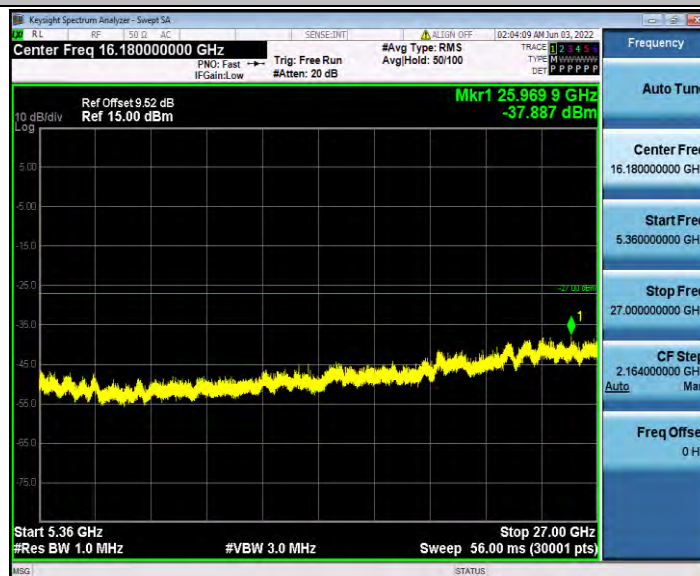
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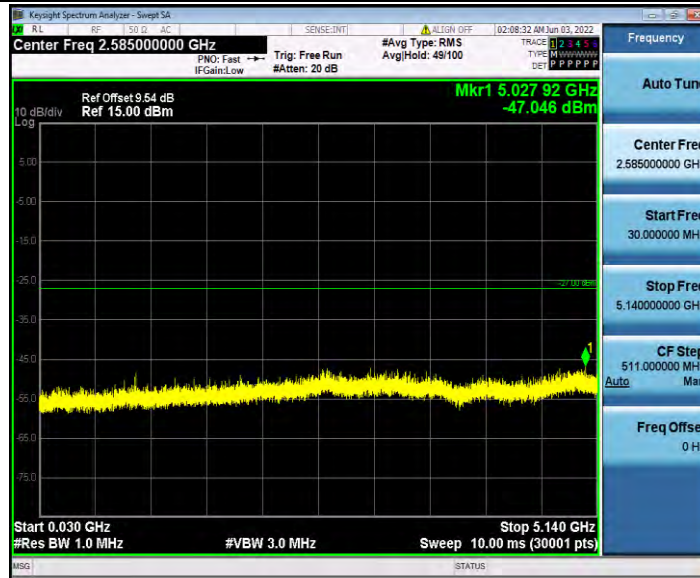
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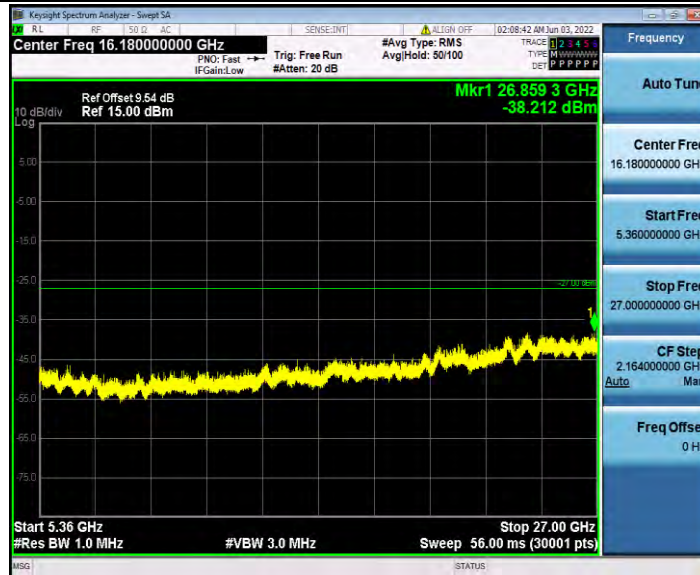
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11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~40000



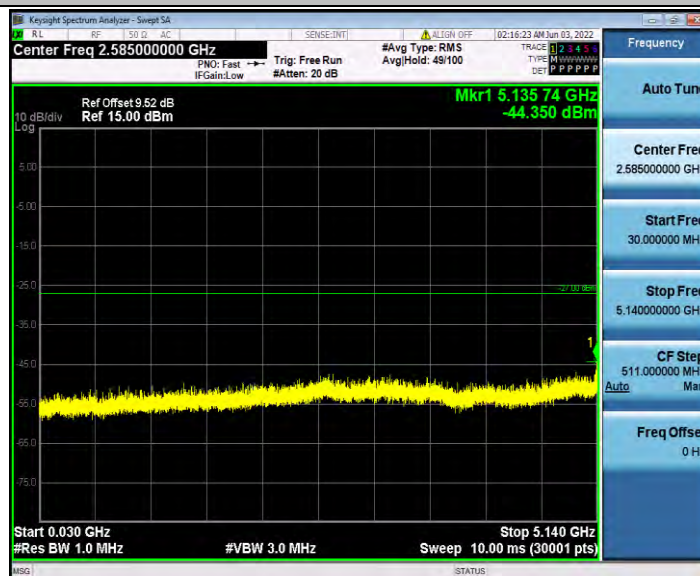
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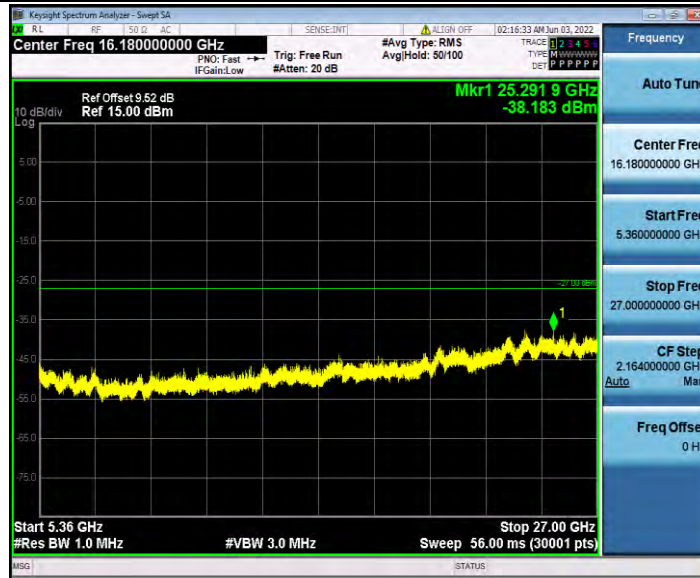
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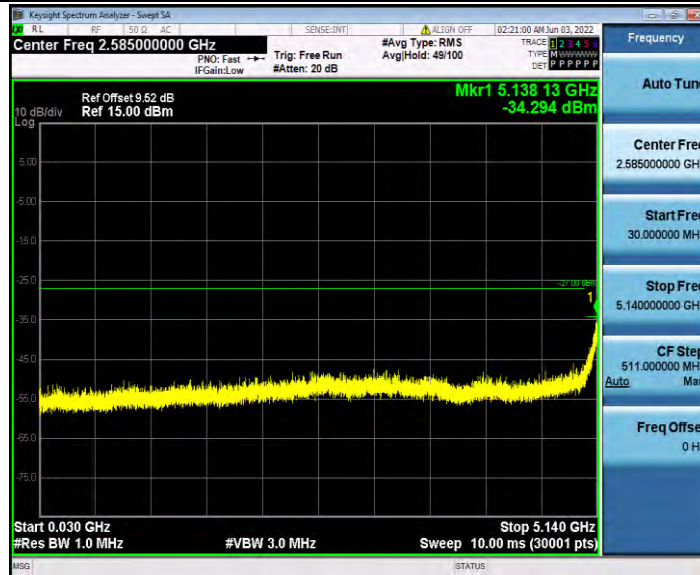
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_5360~40000



11AC80SISO_Ant1_5210_5360~40000

