

Case No. : GTS20220224018-2-13	
Ambient Condition: 22 °C, 47 %RH,	
Test Date: 2022.5.12	Test Engineer: Jenny zeng

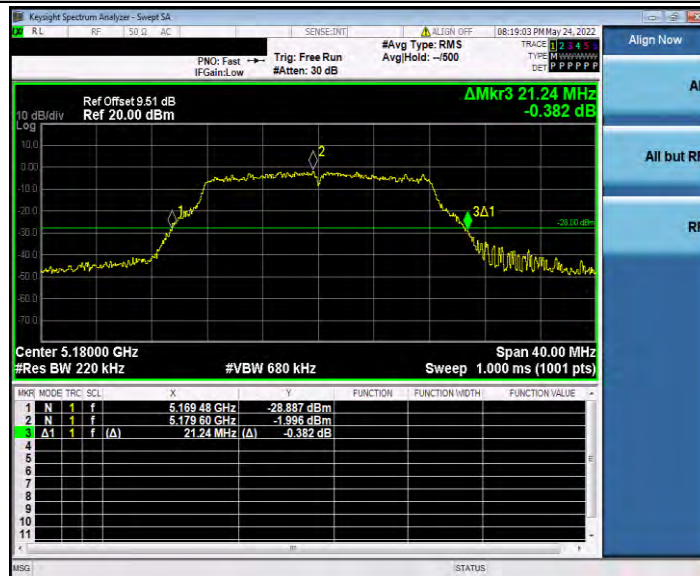
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.240	5169.480	5190.720	---	---
		5200	25.200	5189.280	5214.480	---	---
		5240	24.360	5229.120	5253.480	---	---
11N20SISO	Ant1	5180	31.480	5166.320	5197.800	---	---
		5200	27.960	5188.600	5216.560	---	---
		5240	31.080	5226.360	5257.440	---	---
11N40SISO	Ant1	5190	50.640	5151.680	5228.880	---	---
		5230	40.240	5197.840	5270.000	---	---
11AC20SISO	Ant1	5180	21.520	5169.200	5190.720	---	---
		5200	21.240	5189.440	5210.680	---	---
		5240	21.480	5229.240	5250.720	---	---
11AC40SISO	Ant1	5190	40.000	5170.160	5210.160	---	---
		5230	40.000	5210.080	5250.080	---	---
11AC80SISO	Ant1	5210	81.760	5169.520	5251.280	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



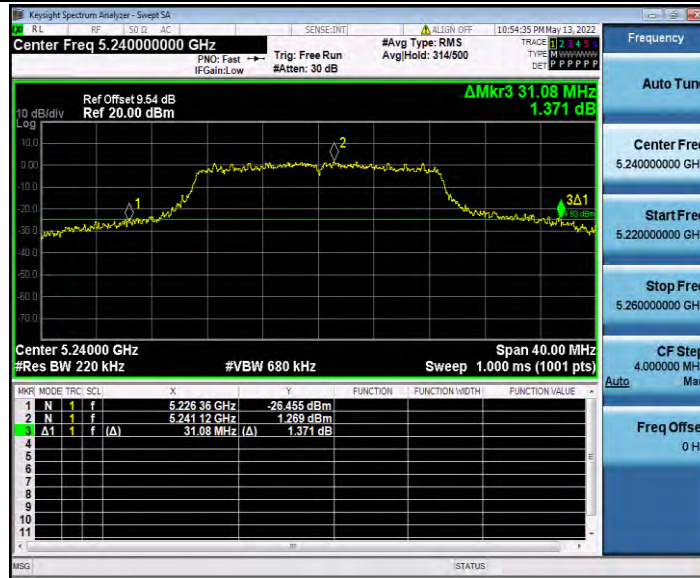
11N20SISO_Ant1_5180



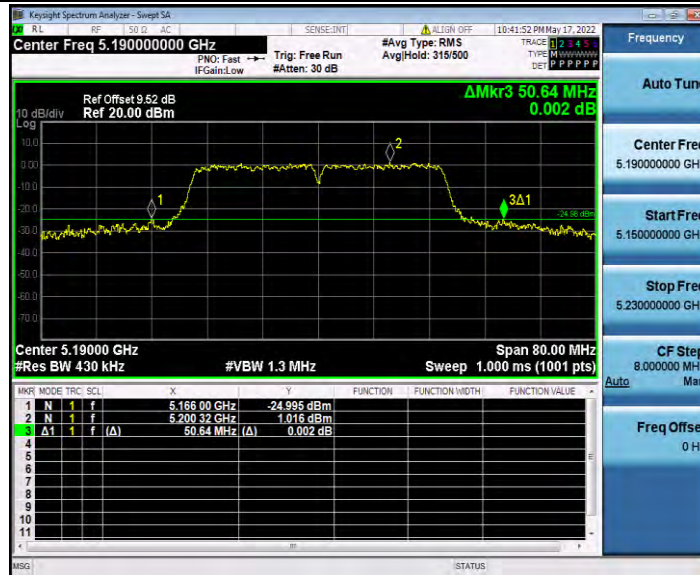
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



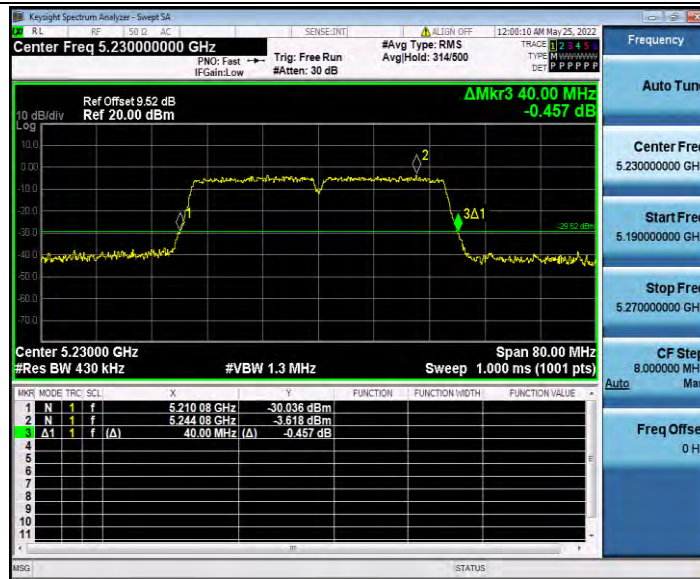
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



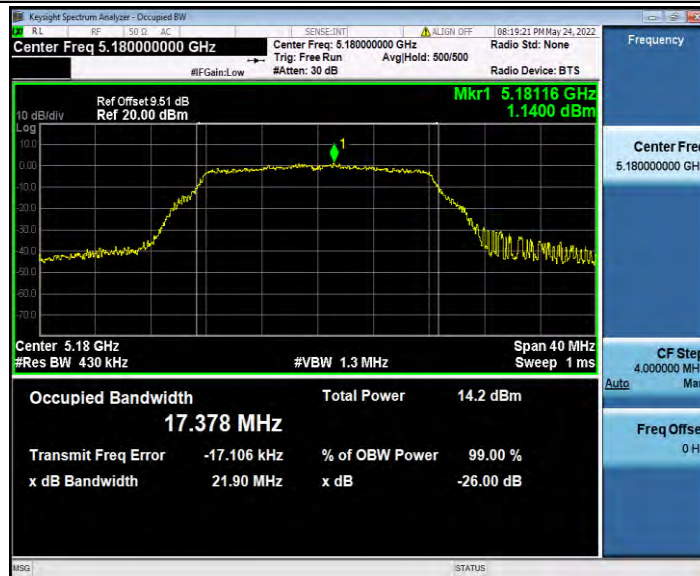
Appendix D.2: Occupied channel bandwidth

Test Result

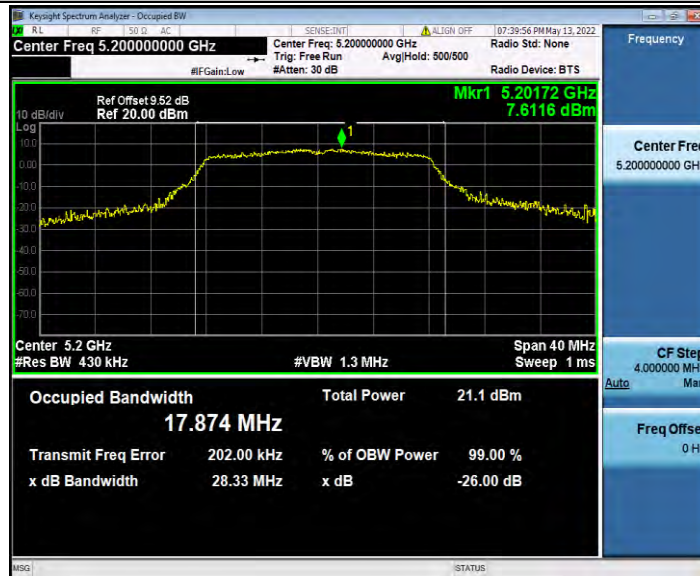
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.378	5171.294	5188.672	---	---
		5200	17.874	5191.265	5209.139	---	---
		5240	17.937	5231.140	5249.077	---	---
11N20SISO	Ant1	5180	18.851	5170.691	5189.542	---	---
		5200	18.984	5190.718	5209.702	---	---
		5240	19.110	5230.610	5249.720	---	---
11N40SISO	Ant1	5190	37.597	5171.463	5209.060	---	---
		5230	37.740	5211.474	5249.214	---	---
11AC20SISO	Ant1	5200	18.339	5190.874	5209.213	---	---
		5240	18.401	5230.801	5249.202	---	---
11AC40SISO	Ant1	5190	37.241	5170.922	5208.163	---	---
		5230	36.729	5211.712	5248.441	---	---
11AC80SISO	Ant1	5210	76.044	5172.105	5248.149	---	---

Test Graphs

11A_Ant1_5180



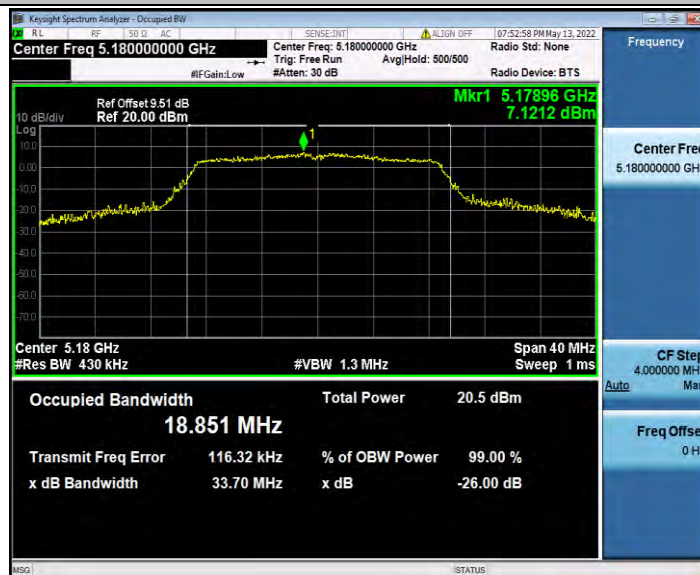
11A_Ant1_5200



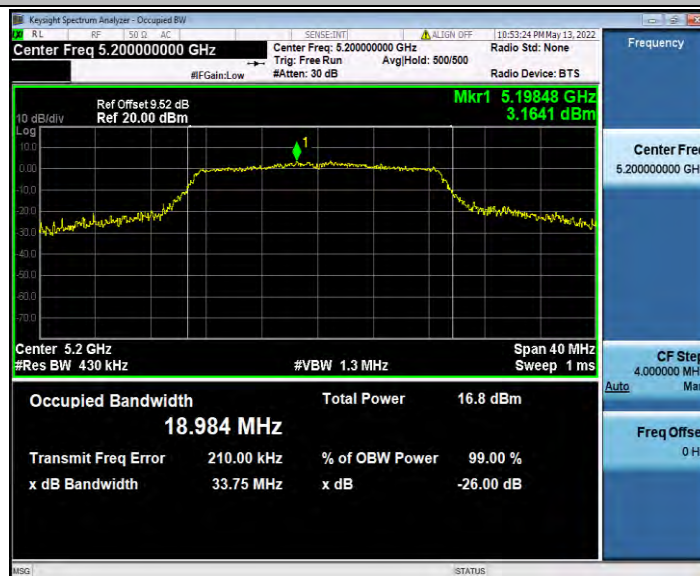
11A_Ant1_5240



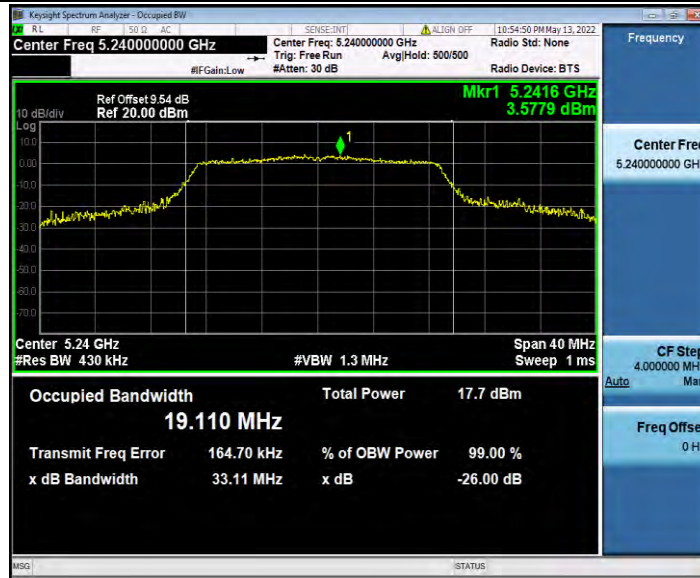
11N20SISO_Ant1_5180



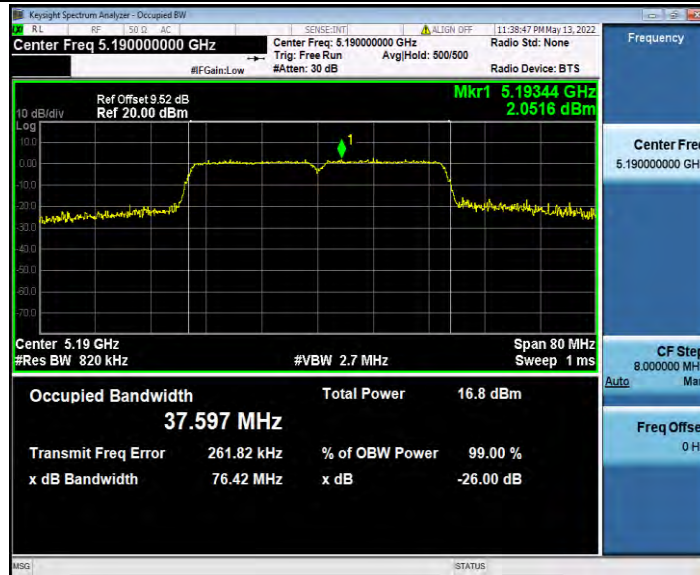
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



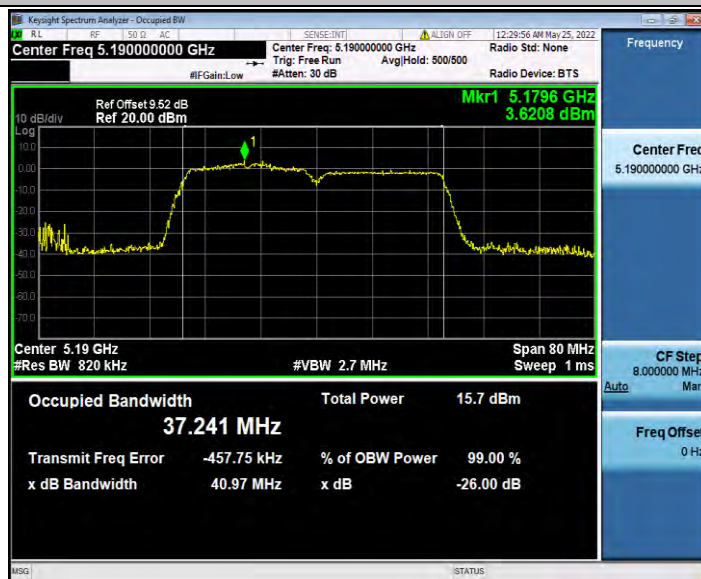
11AC20SISO_Ant1_5200



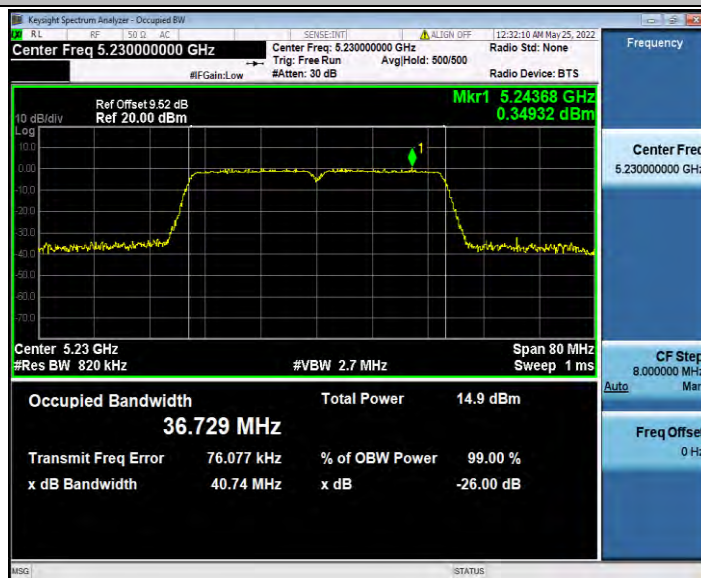
11AC20SISO_Ant1_5240



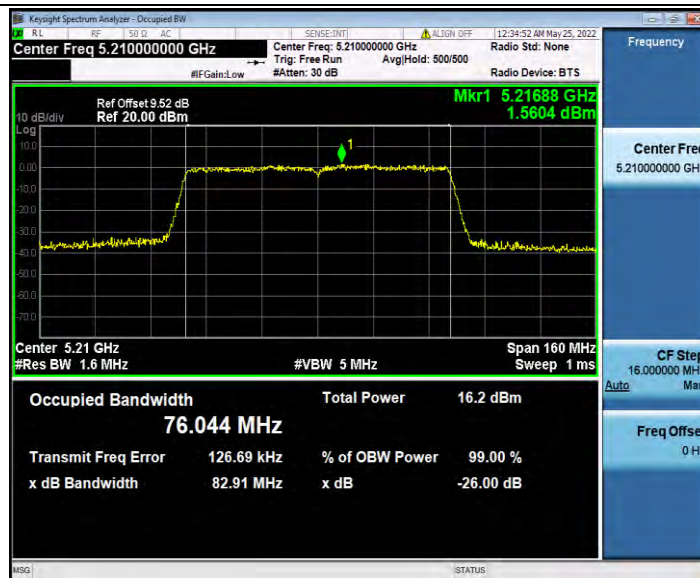
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



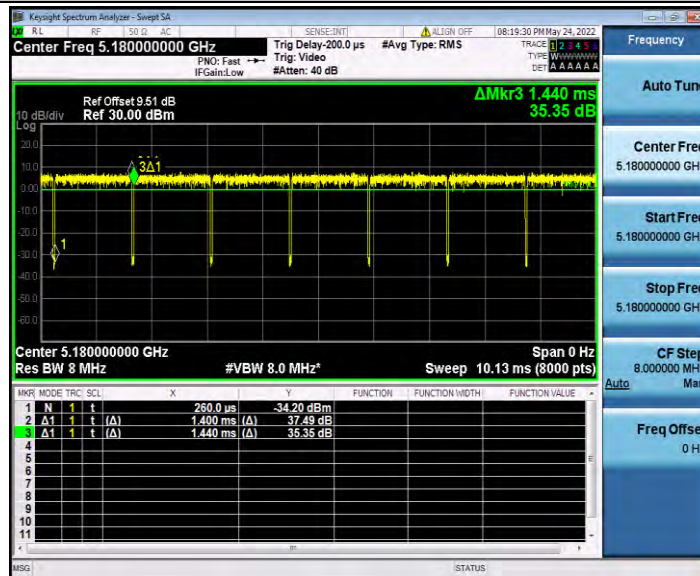
Appendix D.3: Duty Cycle

Test Result

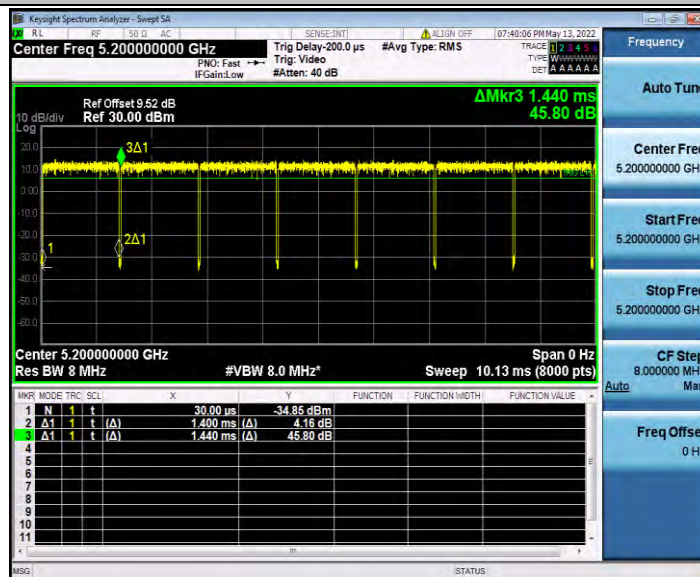
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor (dB)
11A	Ant1	5180	1.40	1.44	97.22	0.12
		5200	1.40	1.44	97.22	0.12
		5240	1.40	1.44	97.22	0.12
11N20SISO	Ant1	5180	1.31	1.73	75.72	1.21
		5200	1.30	1.73	75.14	1.24
		5240	1.31	1.35	97.04	0.13
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26
		5230	0.65	0.69	94.20	0.26
11AC20SISO	Ant1	5180	1.32	1.35	97.78	0.10
		5200	1.32	1.36	97.06	0.13
		5240	1.31	1.35	97.04	0.13
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26
		5230	0.65	0.69	94.20	0.26
11AC80SISO	Ant1	5210	0.32	0.36	88.89	0.51

Test Graphs

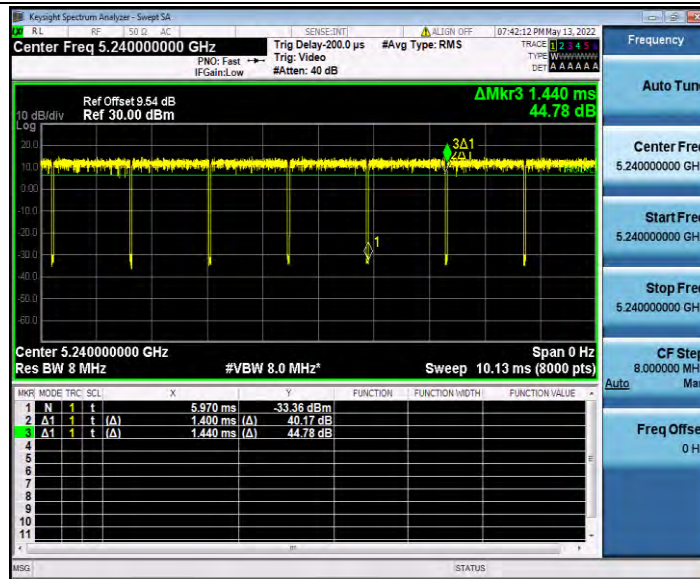
11A_Ant1_5180



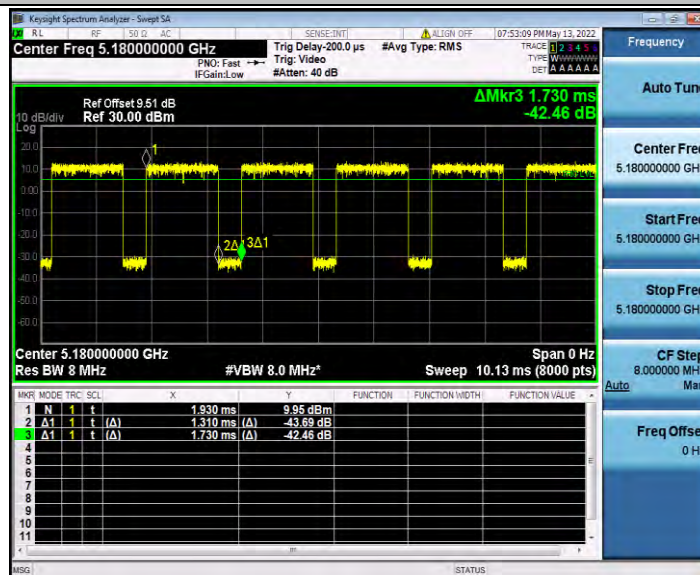
11A_Ant1_5200



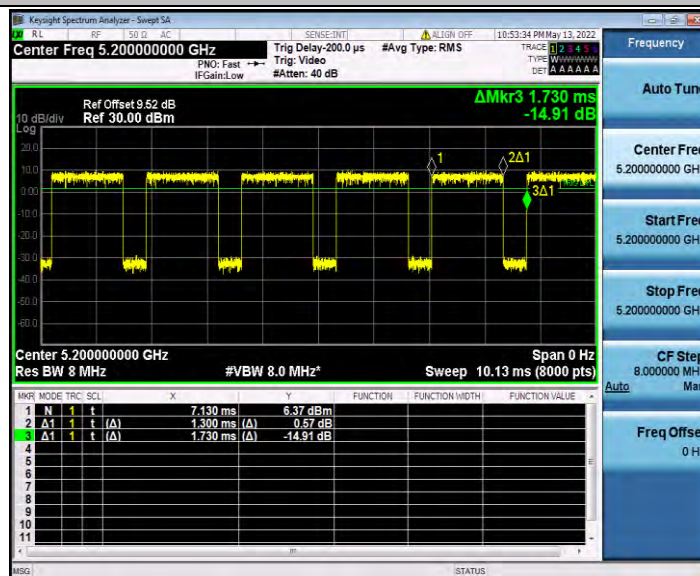
11A_Ant1_5240



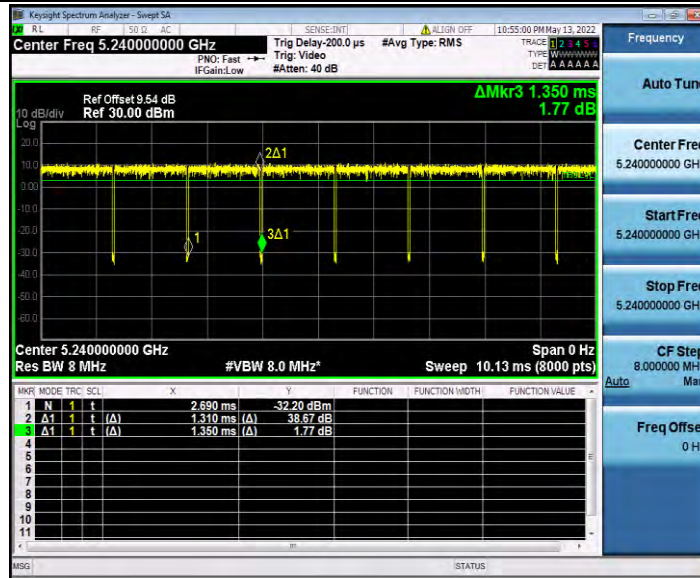
11N20SISO_Ant1_5180



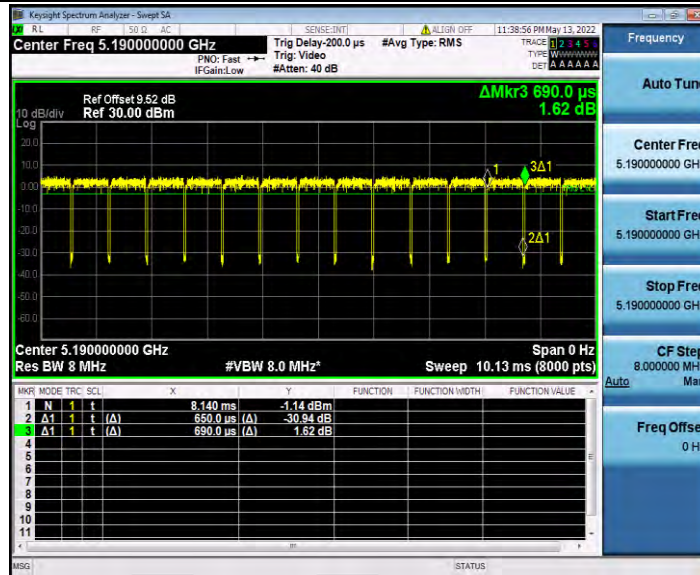
11N20SISO_Ant1_5200



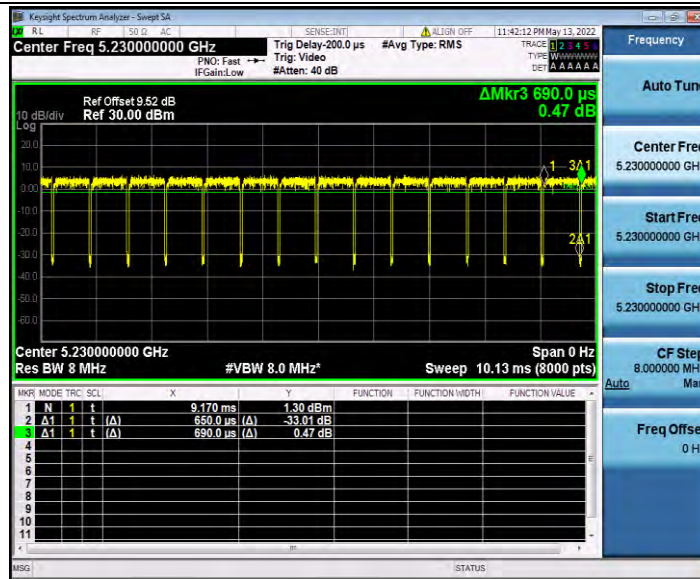
11N20SISO_Ant1_5240



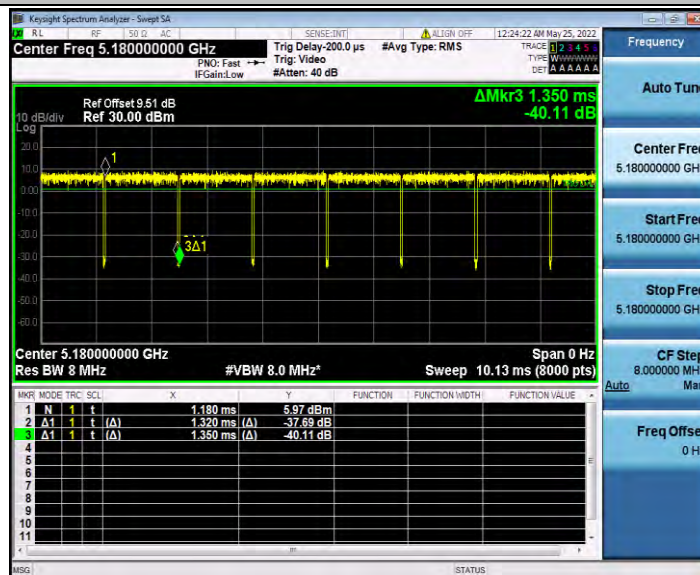
11N40SISO_Ant1_5190



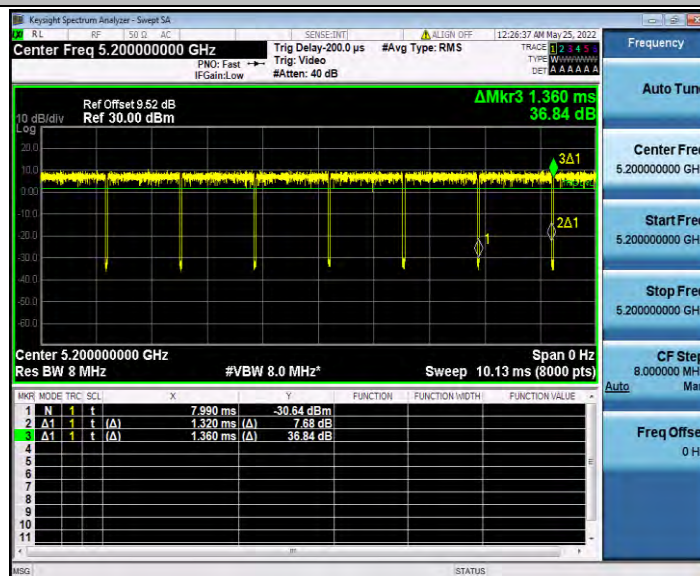
11N40SISO_Ant1_5230



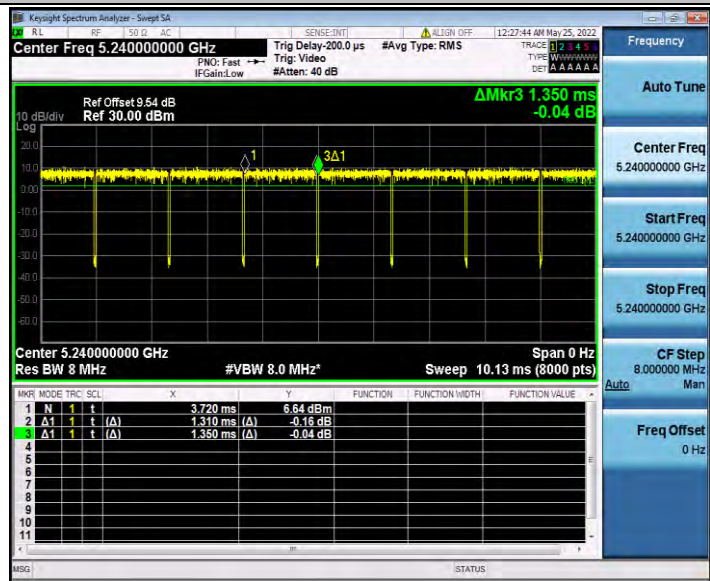
11AC20SISO_Ant1_5180



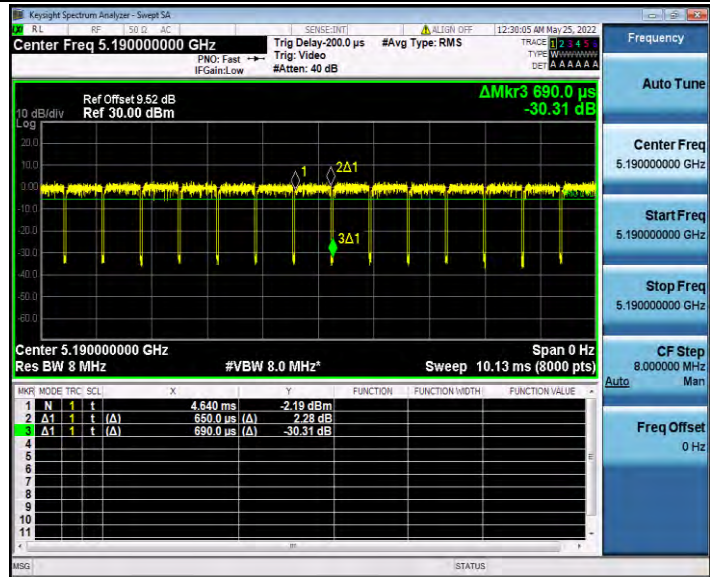
11AC20SISO_Ant1_5200



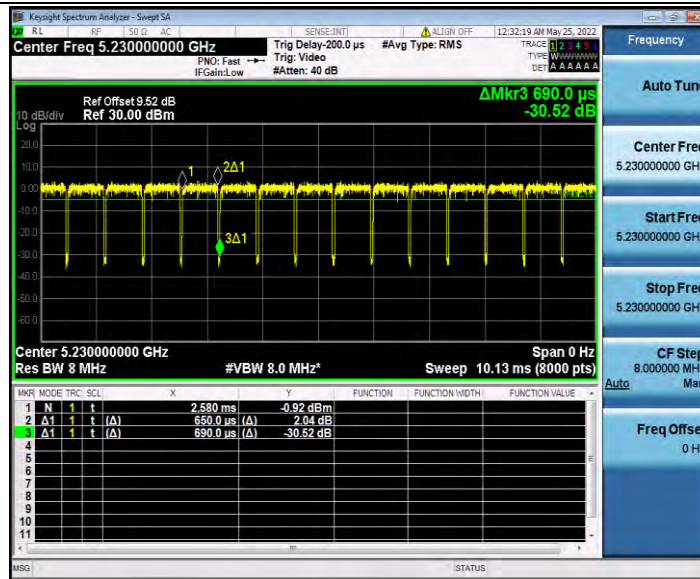
11AC20SISO_Ant1_5240



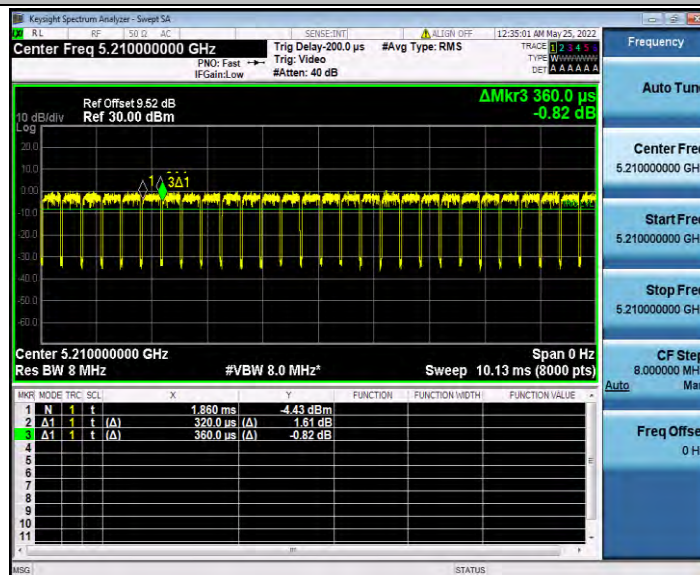
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.69	≤11.00	PASS
		5200	9.58	≤11.00	PASS
		5240	9.36	≤11.00	PASS
11N20SISO	Ant1	5180	9.32	≤11.00	PASS
		5200	5.95	≤11.00	PASS
		5240	5.94	≤11.00	PASS
11N40SISO	Ant1	5190	1.05	≤11.00	PASS
		5230	1.98	≤11.00	PASS
11AC20SISO	Ant1	5180	5.07	≤11.00	PASS
		5200	4.69	≤11.00	PASS
		5240	4.85	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.30	≤11.00	PASS
		5230	-0.87	≤11.00	PASS
11AC80SISO	Ant1	5210	-3.40	≤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

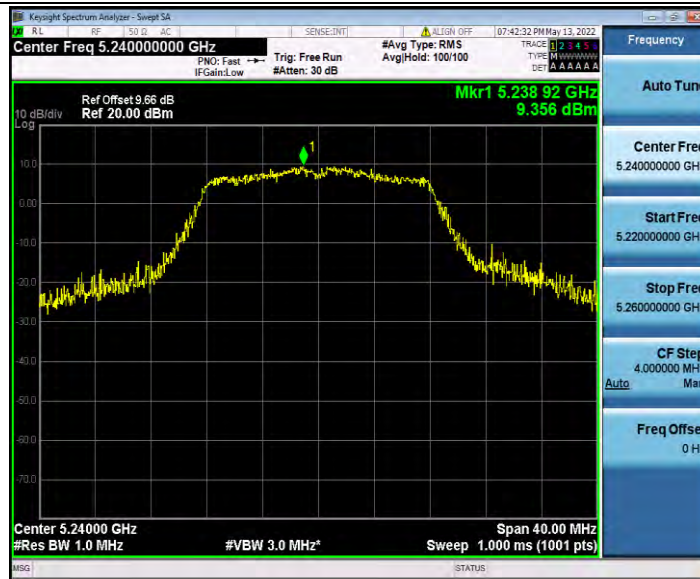
11A_Ant1_5180



11A_Ant1_5200



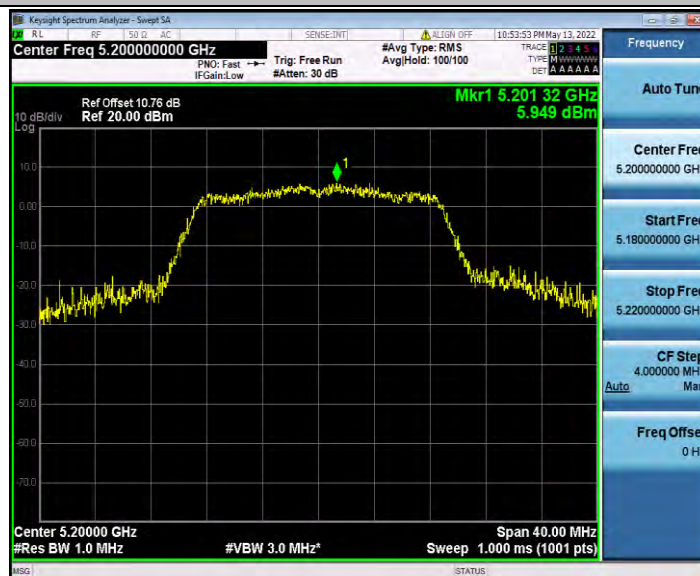
11A_Ant1_5240



11N20SISO_Ant1_5180



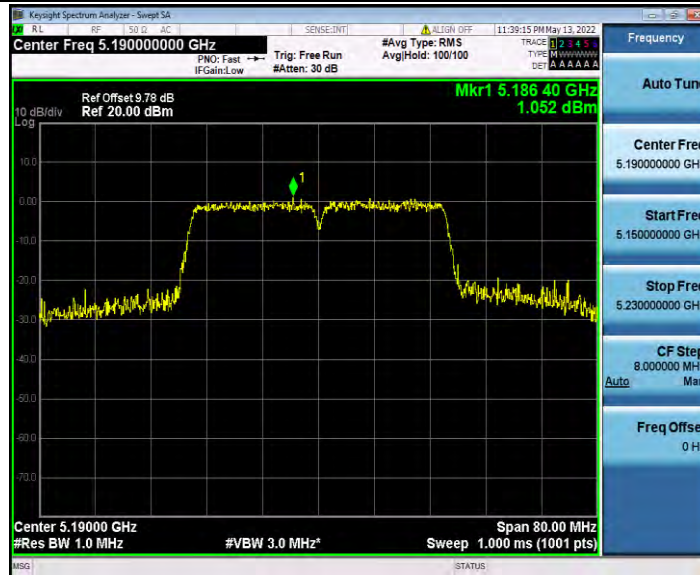
11N20SISO_Ant1_5200



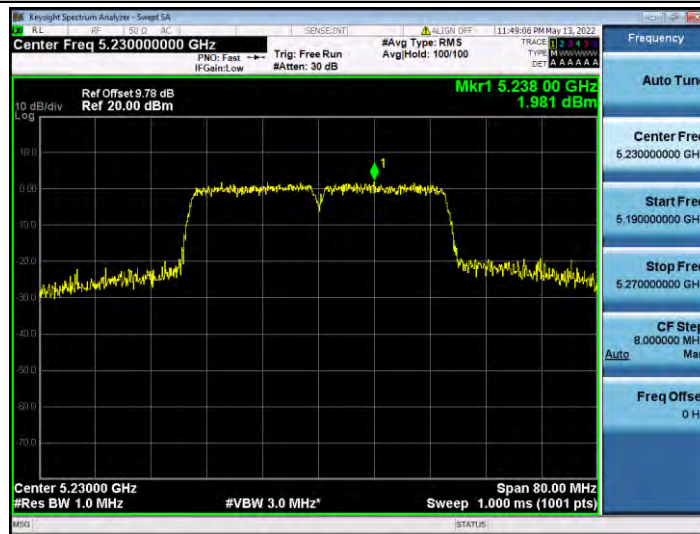
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



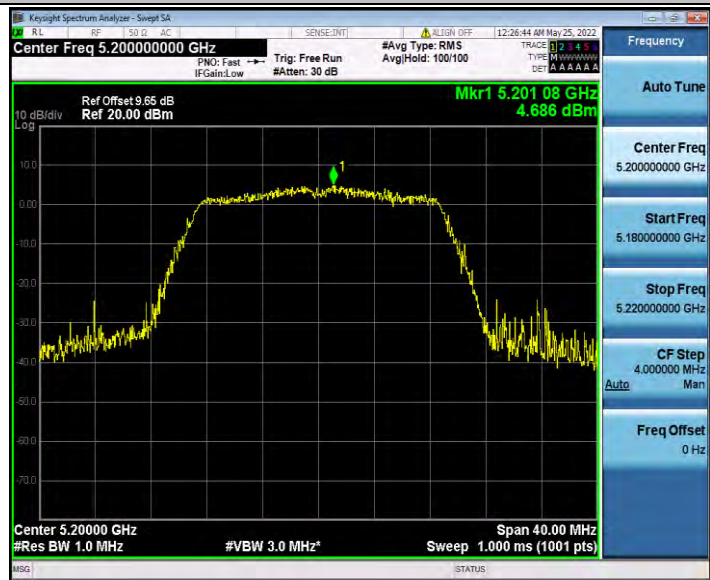
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



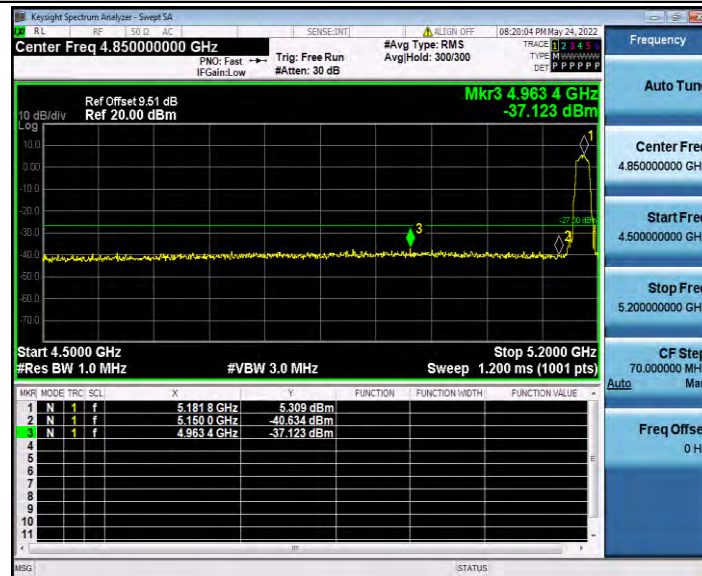
Appendix D.5: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.12	≤-27	PASS
		High	5240	-37.98	≤-27	PASS
11N20SISO	Ant1	Low	5180	-28.79	≤-27	PASS
		High	5240	-37.8	≤-27	PASS
11N40SISO	Ant1	Low	5190	-36.74	≤-27	PASS
		High	5230	-38.29	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-37.88	≤-27	PASS
		High	5240	-38.33	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-35.56	≤-27	PASS
		High	5230	-37.82	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-35.63	≤-27	PASS
		High	5210	-37.22	≤-27	PASS

Test Graphs B1

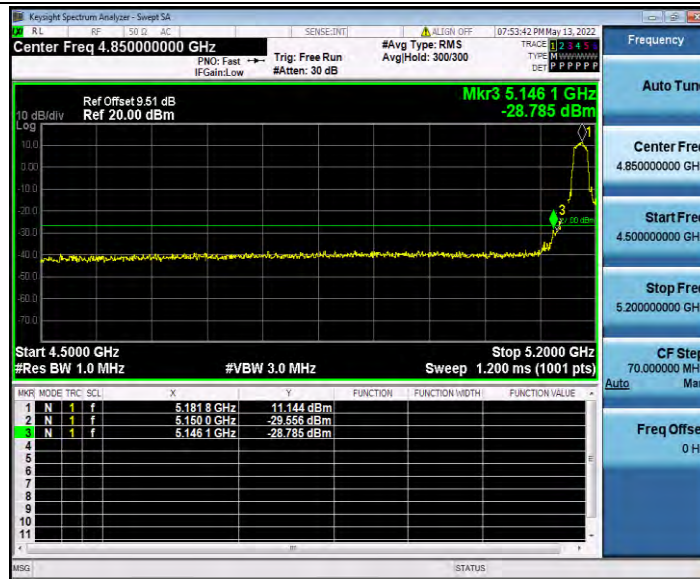
11A_Ant1_Low_5180



11A_Ant1_High_5240



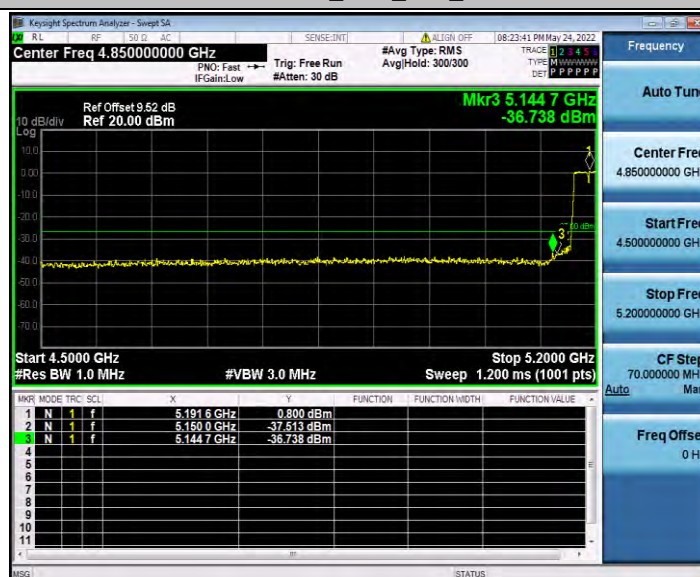
11N20SISO_Ant1_Low_5180



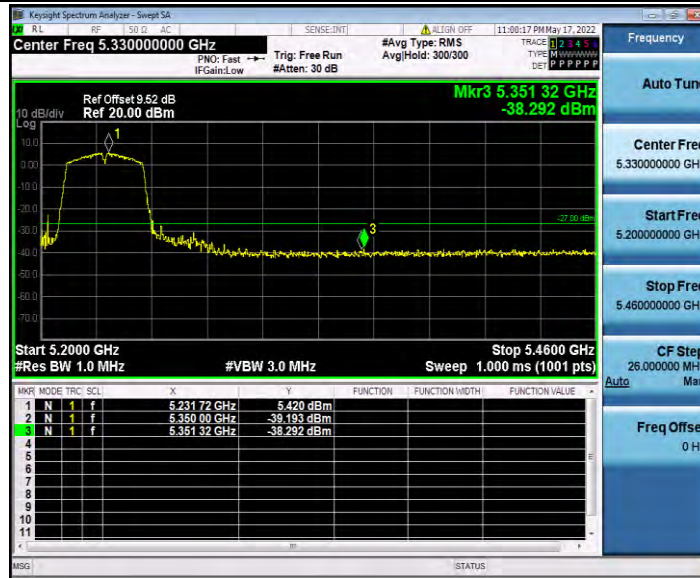
11N20SISO_Ant1_High_5240



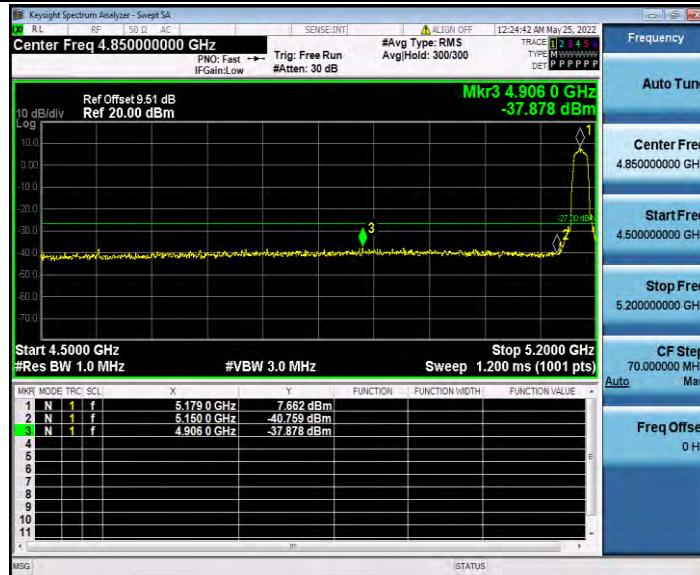
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



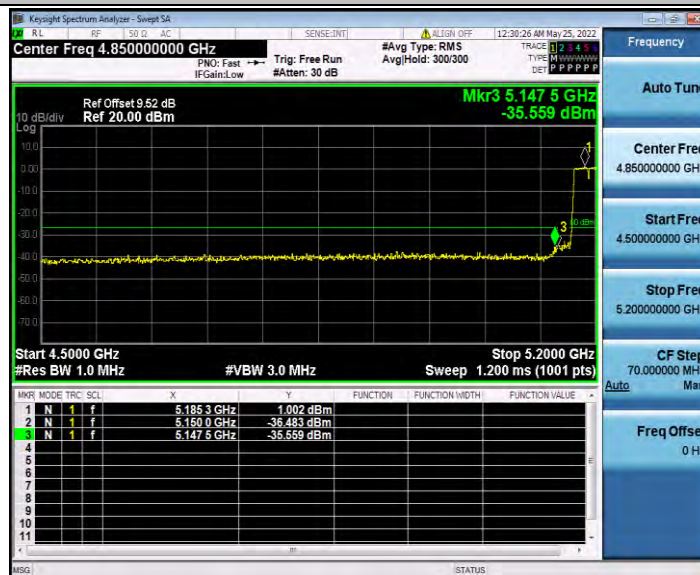
11AC20SISO_Ant1_Low_5180



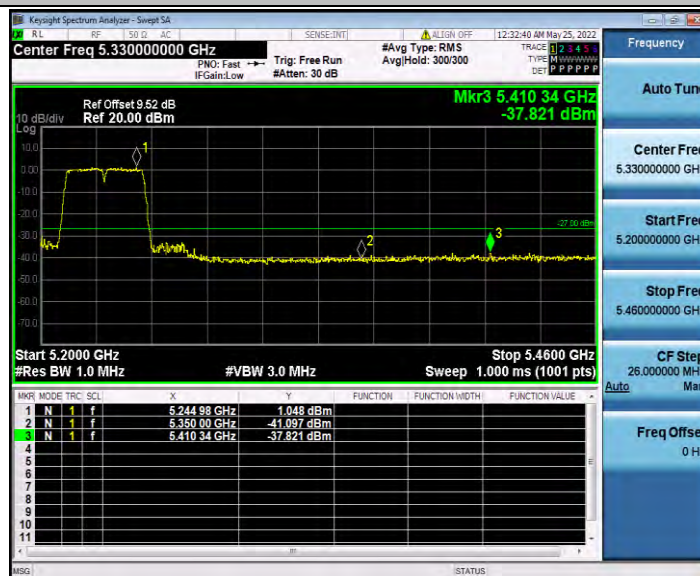
11AC20SISO_Ant1_High_5240



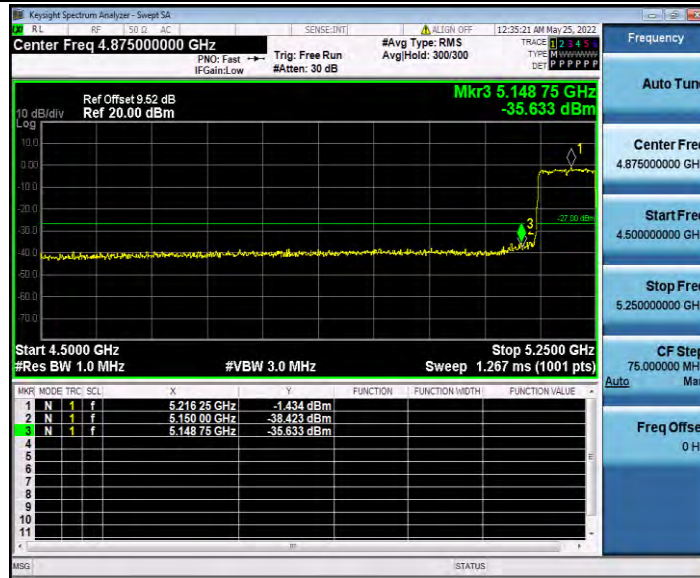
11AC40SISO_Ant1_Low_5190



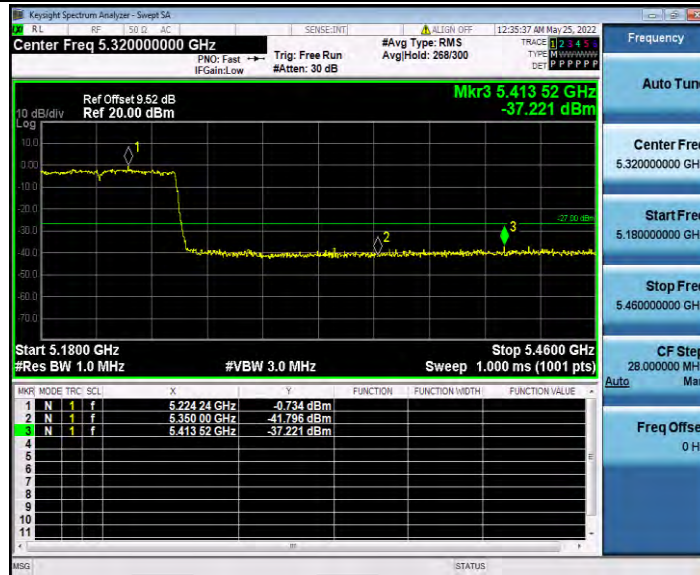
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



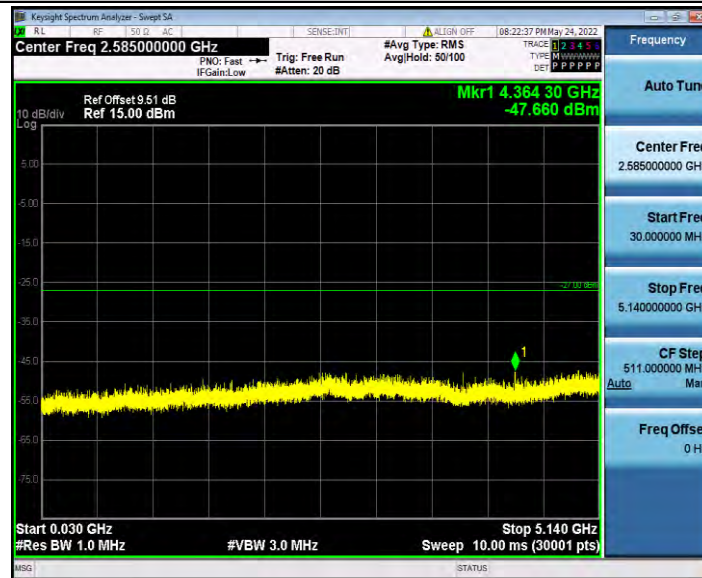
Appendix D.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4364.3	-47.66	≤-27	PASS
			5360~40000	24280.57	-38.25	≤-27	PASS
		5200	30~5140	5134.72	-44.34	≤-27	PASS
			5360~40000	24227.92	-37.85	≤-27	PASS
		5240	30~5140	3930.29	-46.66	≤-27	PASS
			5360~40000	23599.63	-37.85	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5138.13	-43.02	≤-27	PASS
			5360~40000	25294.77	-38.52	≤-27	PASS
		5200	30~5140	4939.69	-46.98	≤-27	PASS
			5360~40000	26492.9	-38.26	≤-27	PASS
		5240	30~5140	3930.12	-46.39	≤-27	PASS
			5360~40000	24345.49	-37.51	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5139.66	-34.85	≤-27	PASS
			5360~40000	24244.51	-37.6	≤-27	PASS
		5230	30~5140	5114.28	-46.82	≤-27	PASS
			5360~40000	23511.63	-37.54	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5133.7	-47.03	≤-27	PASS
			5360~40000	26073.81	-38.05	≤-27	PASS
		5200	30~5140	4907.15	-47.28	≤-27	PASS
			5360~40000	24776.85	-37.95	≤-27	PASS
		5240	30~5140	3930.46	-47.05	≤-27	PASS
			5360~40000	26582.35	-37.91	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	4991.98	-46.43	≤-27	PASS
			5360~40000	24307.26	-38.11	≤-27	PASS
		5230	30~5140	4882.8	-45.88	≤-27	PASS
			5360~40000	26596.05	-38.11	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5136.93	-40.13	≤-27	PASS
			5360~40000	25600.61	-37.98	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



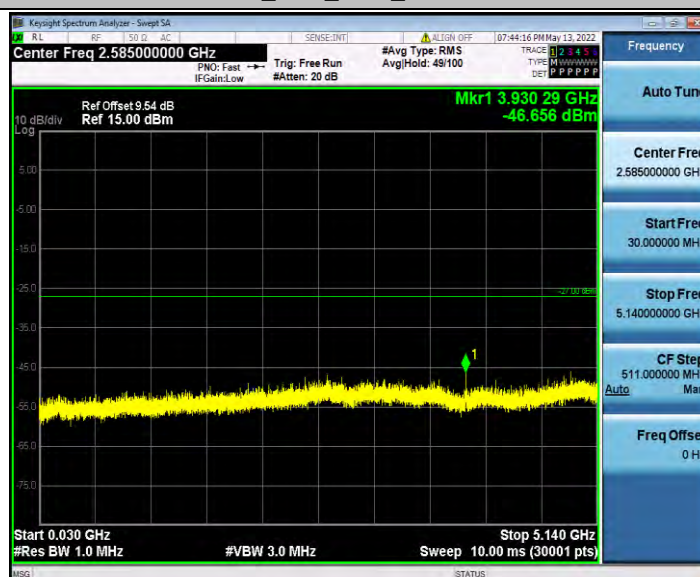
11A_Ant1_5200_30~5140



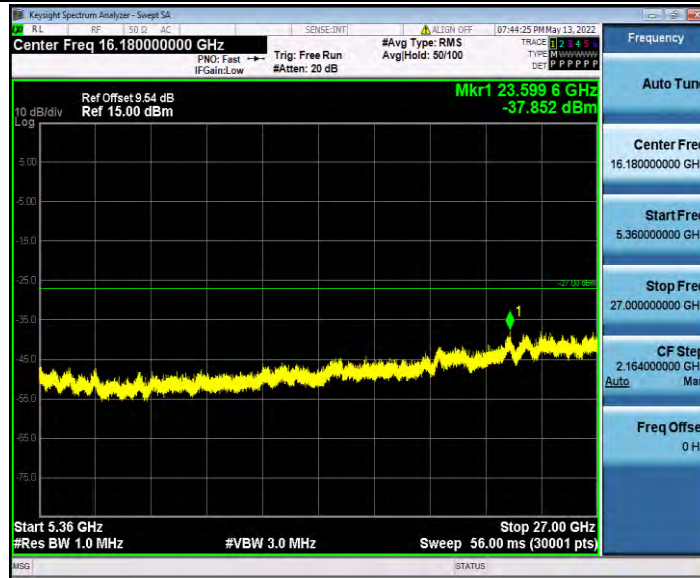
11A_Ant1_5200_5360~40000



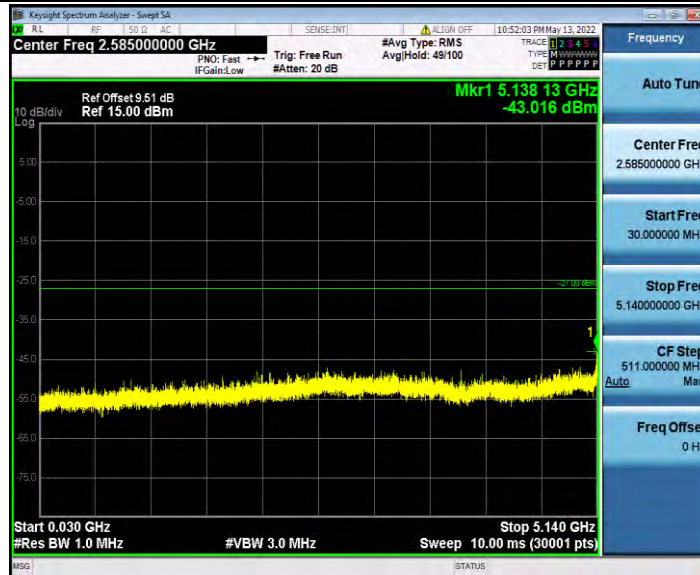
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



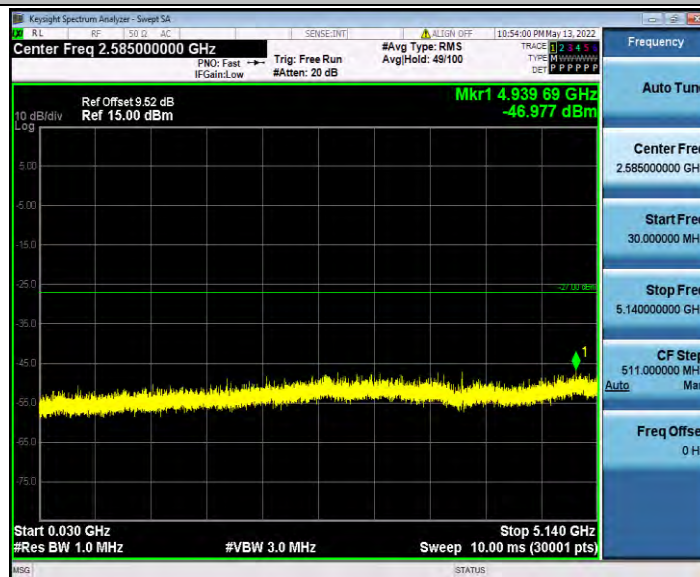
11N20SISO_Ant1_5180_30~5140



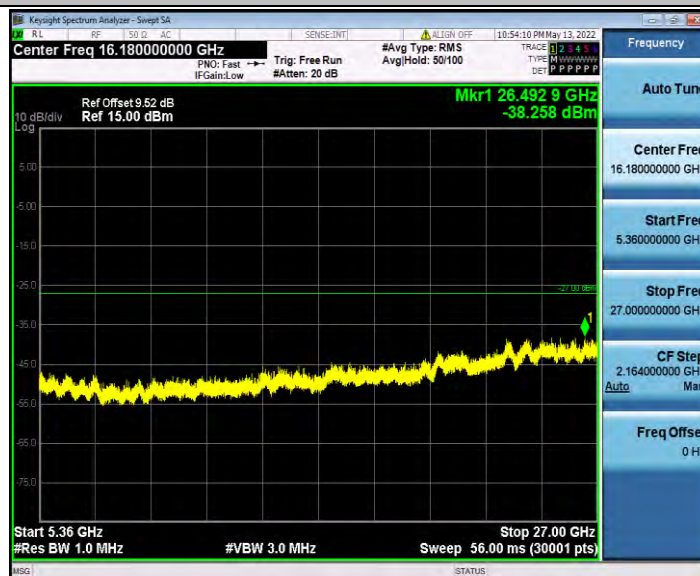
11N20SISO_Ant1_5180_5360~40000



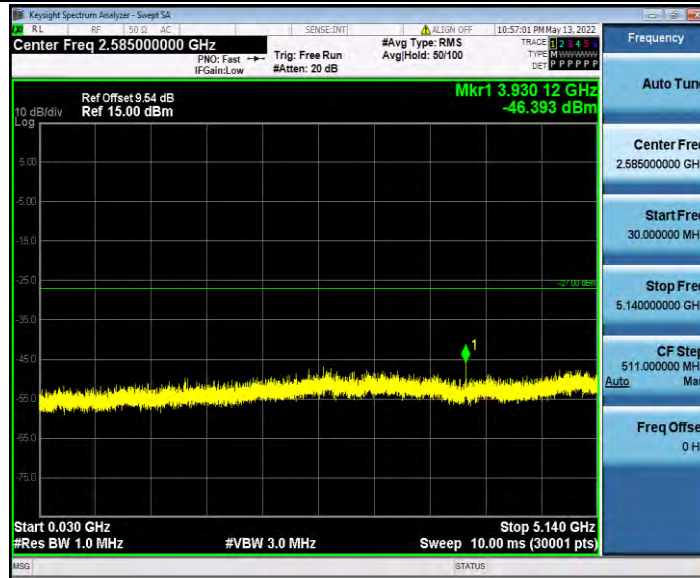
11N20SISO_Ant1_5200_30~5140



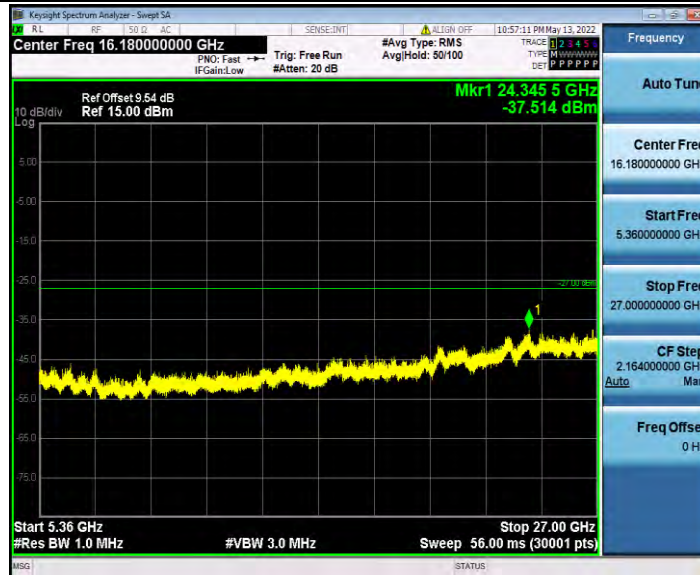
11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~40000



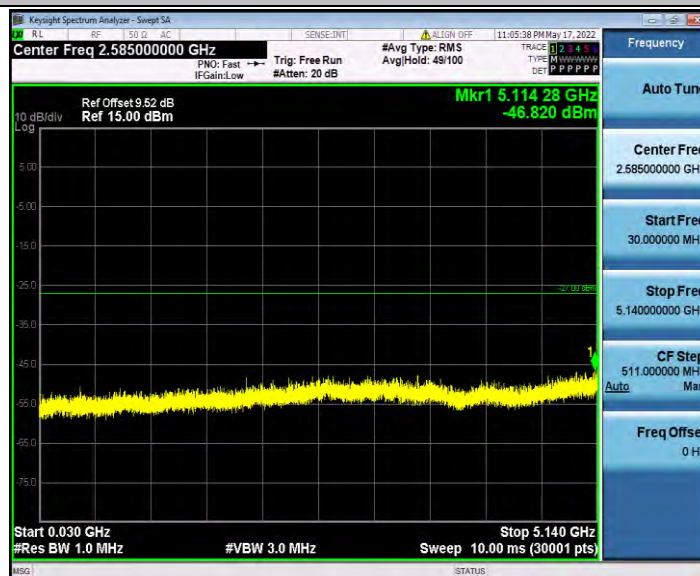
11N40SISO_Ant1_5190_30~5140



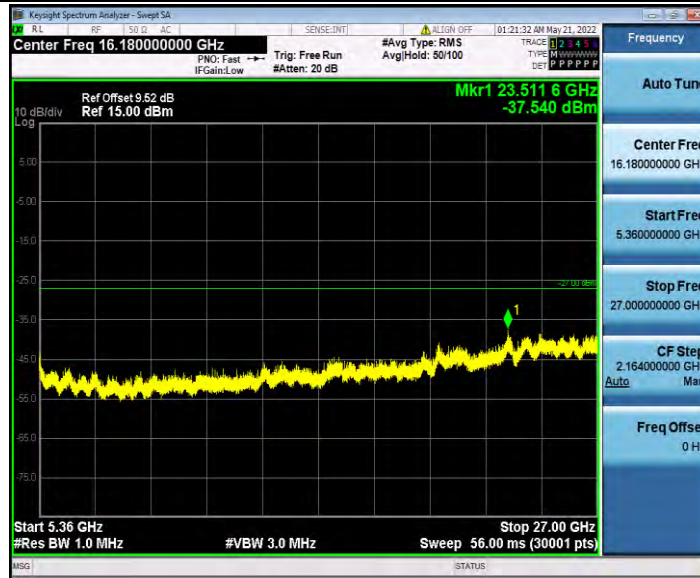
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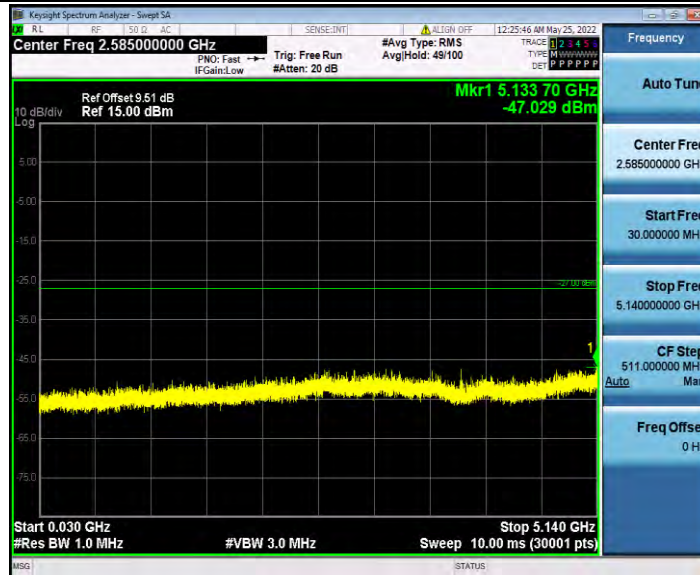
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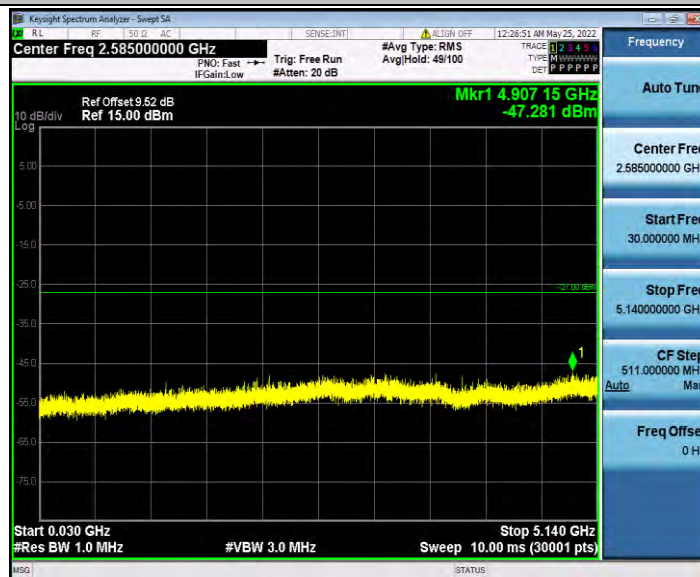
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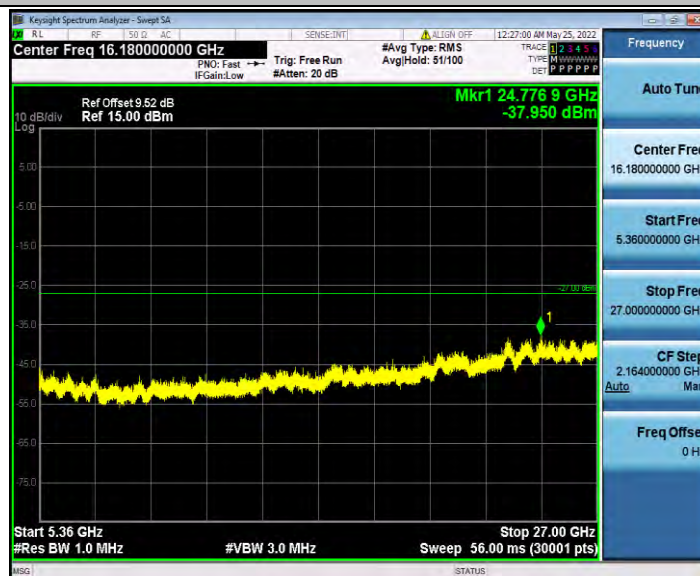
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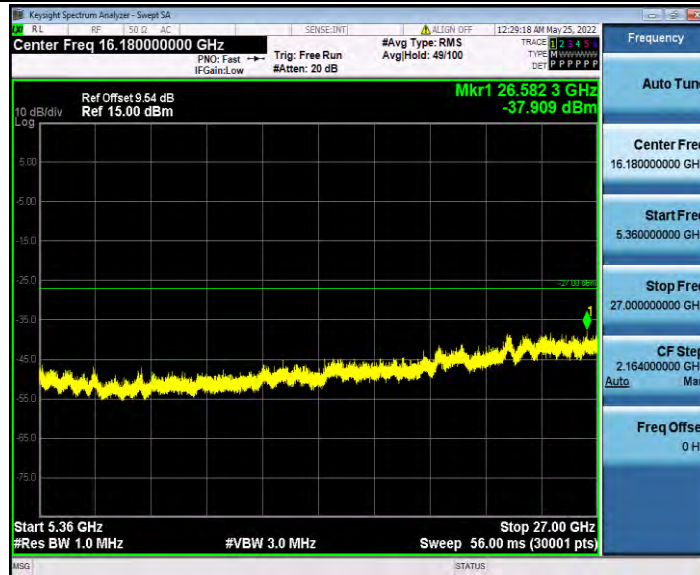
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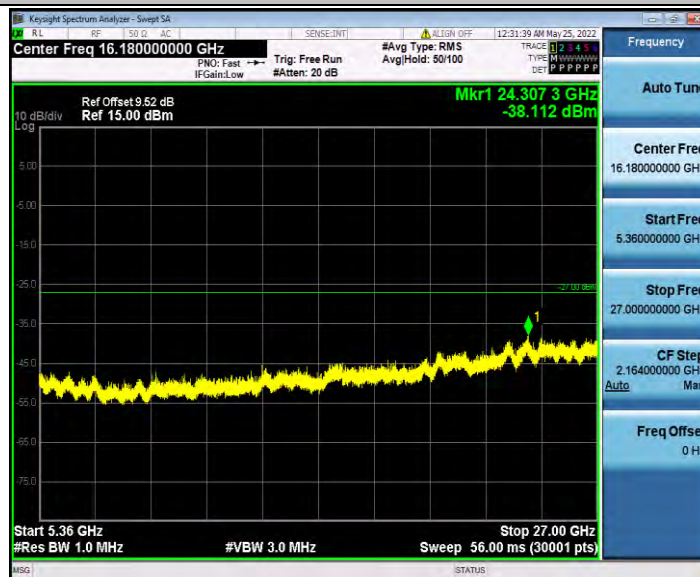
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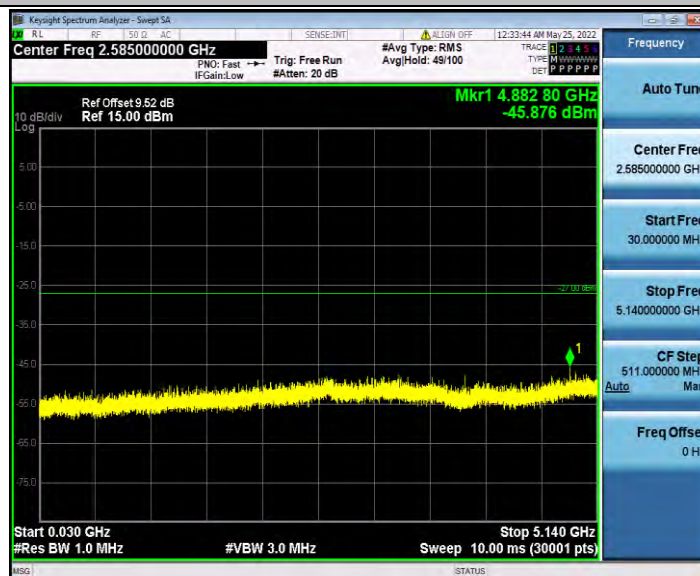
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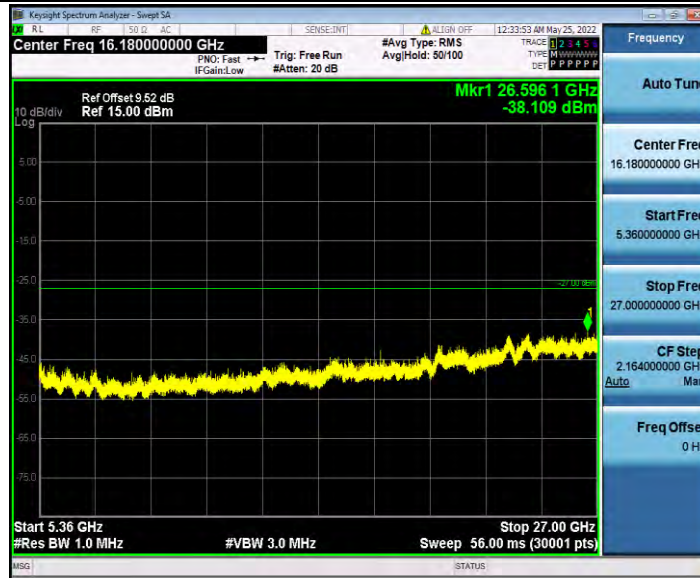
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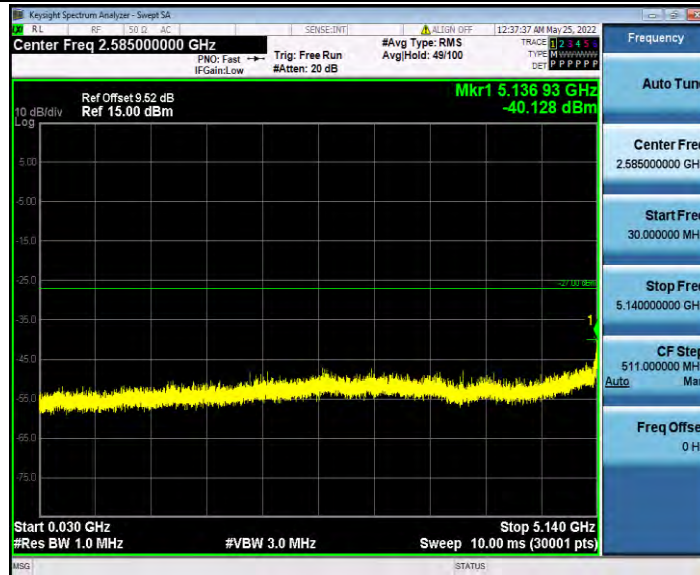
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

