

Case No. : GTS20220424002-1-5	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.4.25	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	26.920	5167.000	5193.920	---	---
		5200	26.440	5186.520	5212.960	---	---
		5240	25.840	5227.040	5252.880	---	---
11N20SISO	Ant1	5180	26.040	5167.120	5193.160	---	---
		5200	26.360	5187.440	5213.800	---	---
		5240	26.080	5226.560	5252.640	---	---
11N40SISO	Ant1	5190	45.440	5167.280	5212.720	---	---
		5230	44.240	5208.000	5252.240	---	---
11AC20SISO	Ant1	5180	23.400	5168.720	5192.120	---	---
		5200	24.400	5187.680	5212.080	---	---
		5240	23.200	5228.520	5251.720	---	---
11AC40SISO	Ant1	5190	44.480	5167.840	5212.320	---	---
		5230	44.240	5207.760	5252.000	---	---
11AC80SISO	Ant1	5210	82.080	5168.880	5250.960	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200





11AC20SISO_Ant1_5180



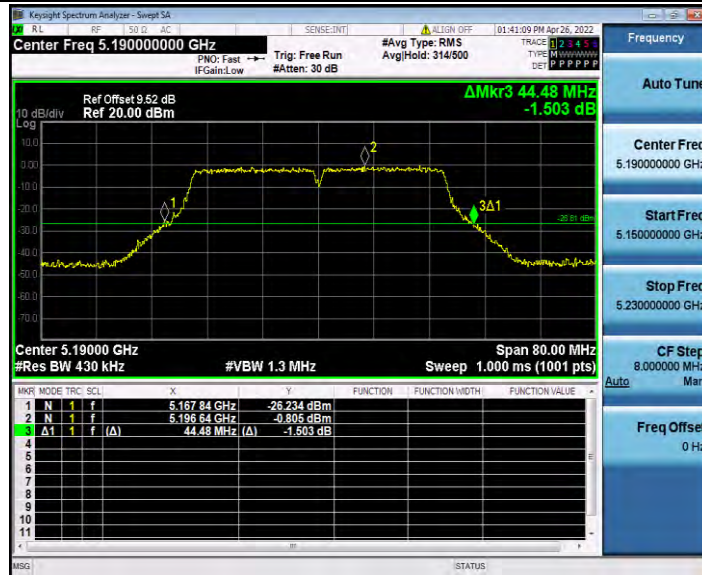
11AC20SISO_Ant1_5200



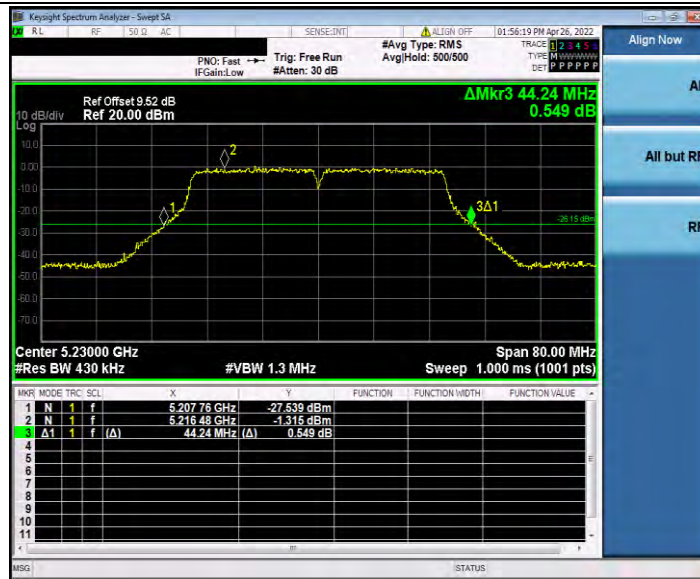
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



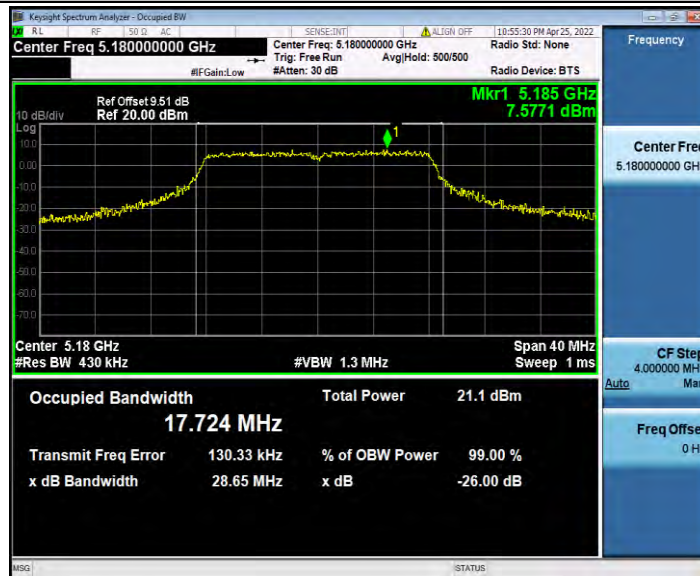
Appendix D.2: Occupied channel bandwidth

Test Result

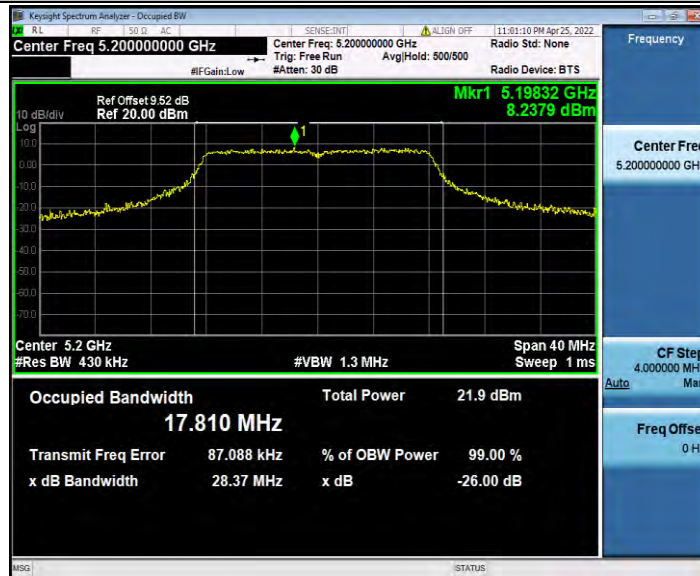
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.724	5171.268	5188.992	---	---
		5200	17.810	5191.182	5208.992	---	---
		5240	17.759	5231.111	5248.870	---	---
11N20SISO	Ant1	5180	18.787	5170.736	5189.523	---	---
		5200	18.723	5190.718	5209.441	---	---
		5240	18.638	5230.707	5249.345	---	---
11N40SISO	Ant1	5190	36.943	5171.616	5208.559	---	---
		5230	36.720	5211.648	5248.368	---	---
11AC20SISO	Ant1	5180	18.325	5170.912	5189.237	---	---
		5200	18.368	5190.867	5209.235	---	---
		5240	18.331	5230.863	5249.194	---	---
11AC40SISO	Ant1	5190	36.775	5171.673	5208.448	---	---
		5230	36.725	5211.685	5248.410	---	---
11AC80SISO	Ant1	5210	75.112	5172.567	5247.679	---	---

Test Graphs

11A_Ant1_5180



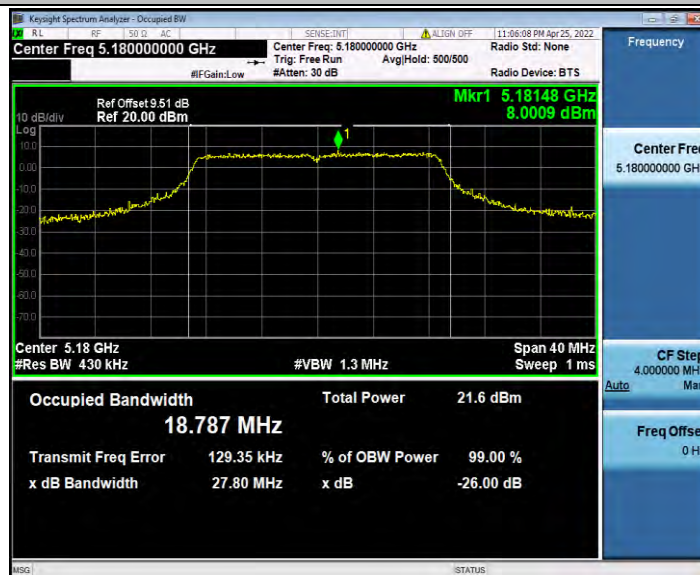
11A_Ant1_5200



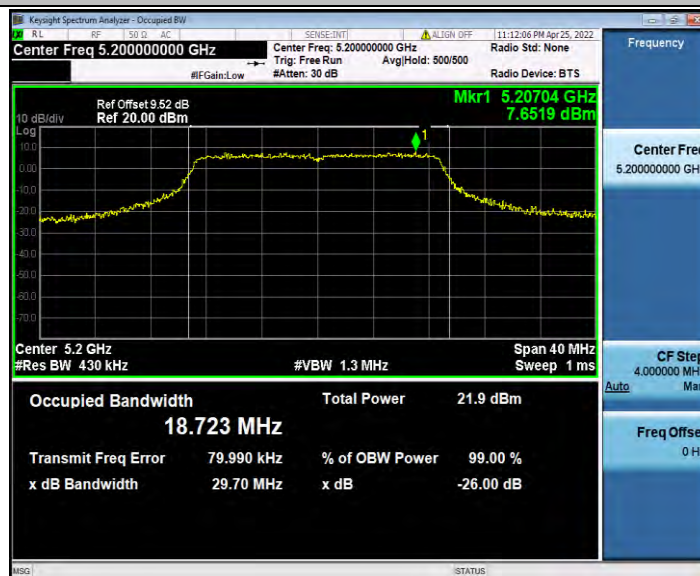
11A_Ant1_5240



11N20SISO_Ant1_5180



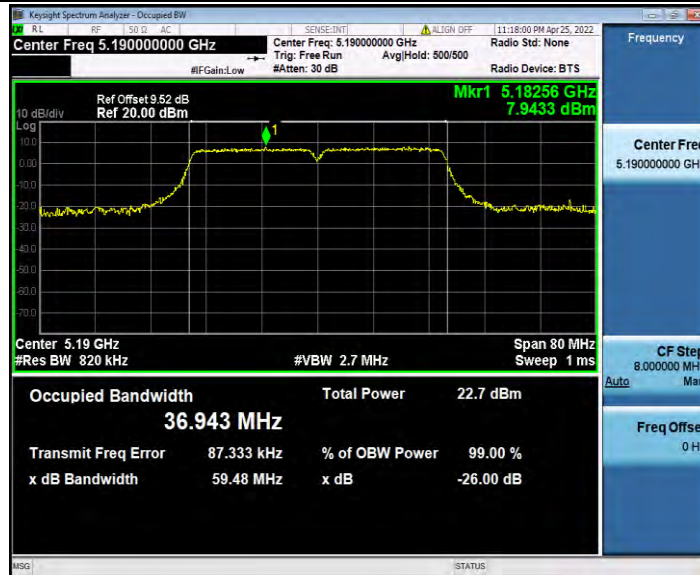
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



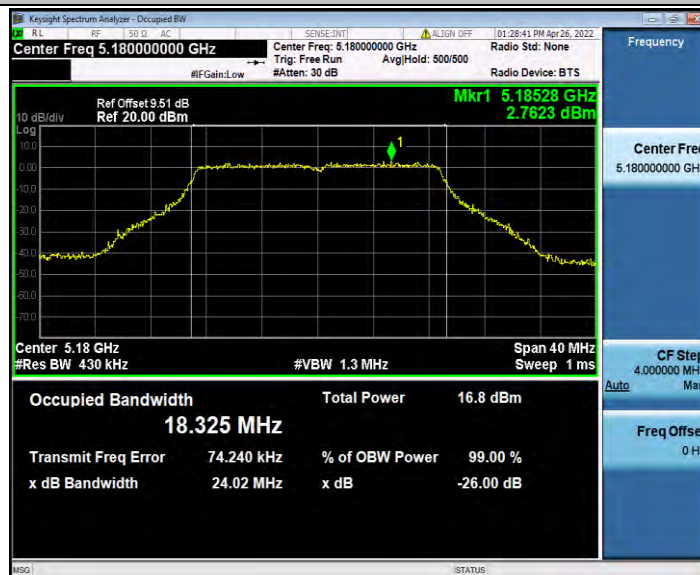
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



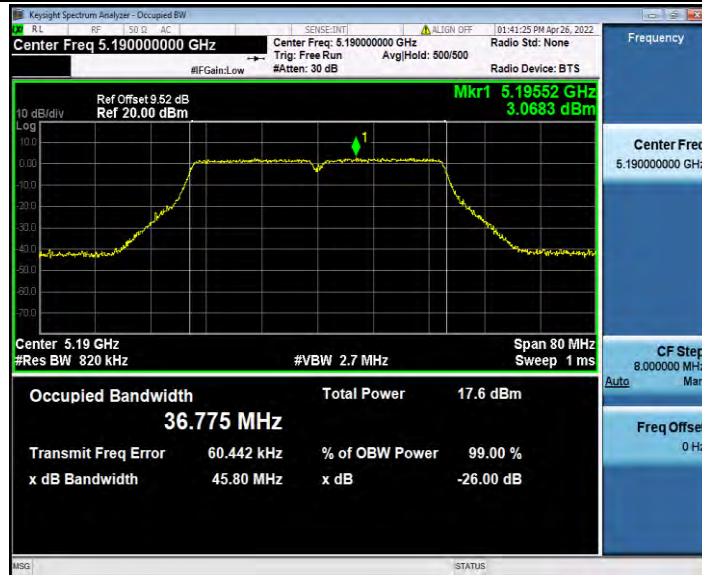
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



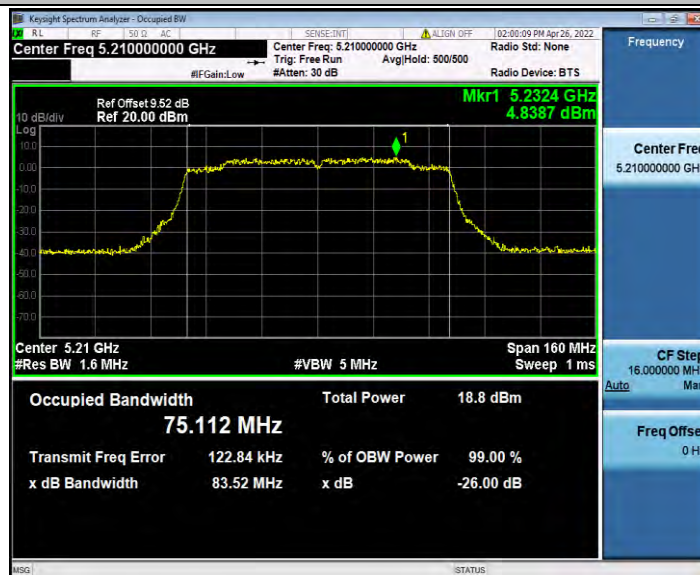
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



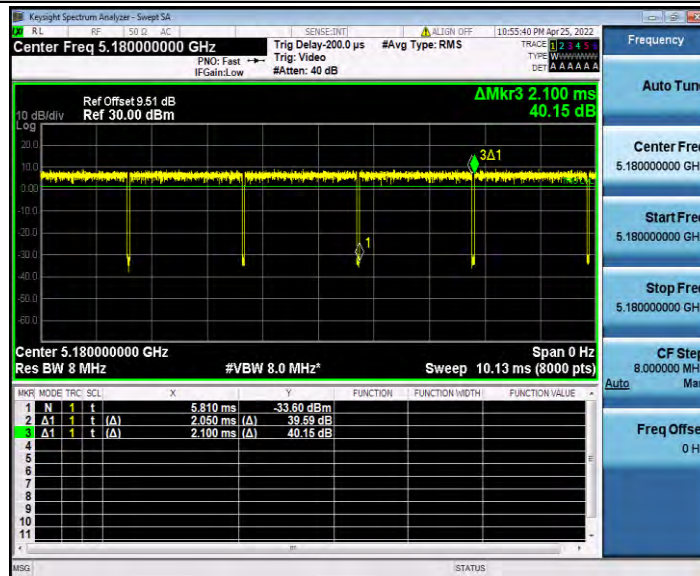
Appendix D.3: Duty Cycle

Test Result

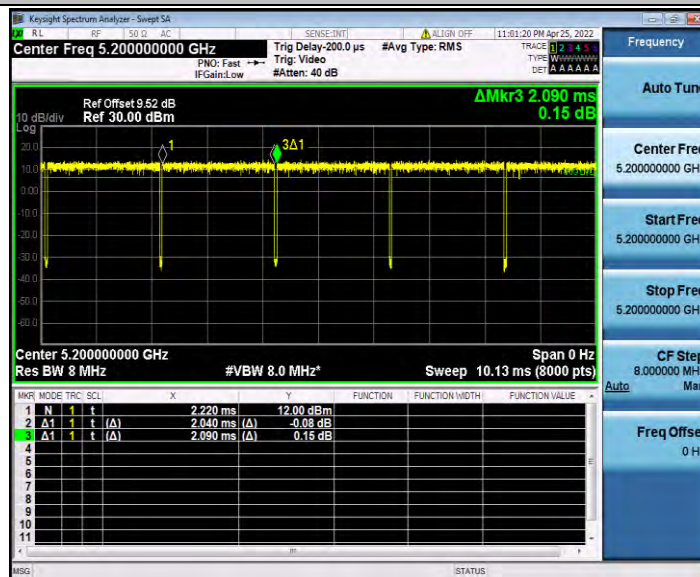
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor (dB)
11A	Ant1	5180	2.05	2.10	97.62	0.10
		5200	2.04	2.09	97.61	0.11
		5240	2.05	2.09	98.09	0.08
11N20SISO	Ant1	5180	1.90	1.95	97.44	0.11
		5200	1.90	1.95	97.44	0.11
		5240	1.91	1.95	97.95	0.09
11N40SISO	Ant1	5190	0.93	0.98	94.90	0.23
		5230	0.93	1.10	84.55	0.73
11AC20SISO	Ant1	5180	1.91	1.96	97.45	0.11
		5200	1.92	1.96	97.96	0.09
		5240	1.92	1.96	97.96	0.09
11AC40SISO	Ant1	5190	0.94	1.12	83.93	0.76
		5230	0.94	1.12	83.93	0.76
11AC80SISO	Ant1	5210	0.46	0.55	83.64	0.78

Test Graphs

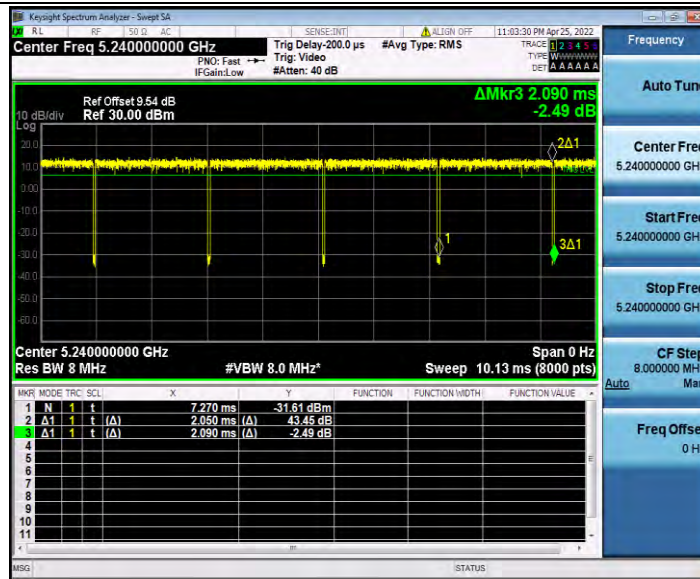
11A_Ant1_5180



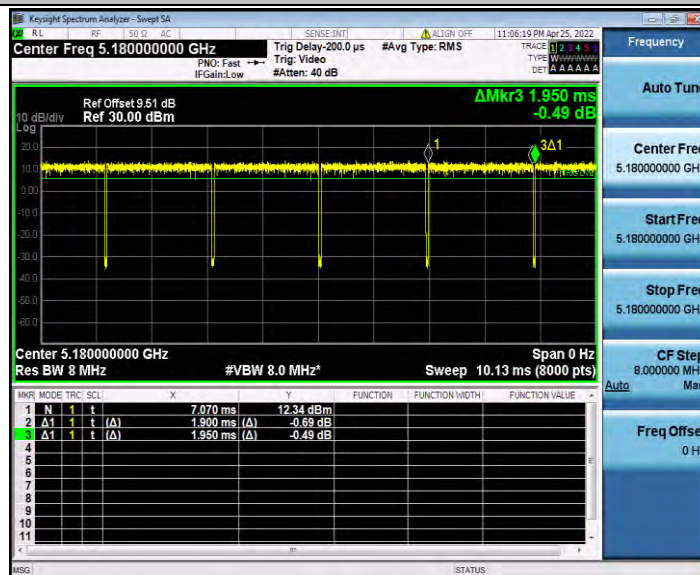
11A_Ant1_5200



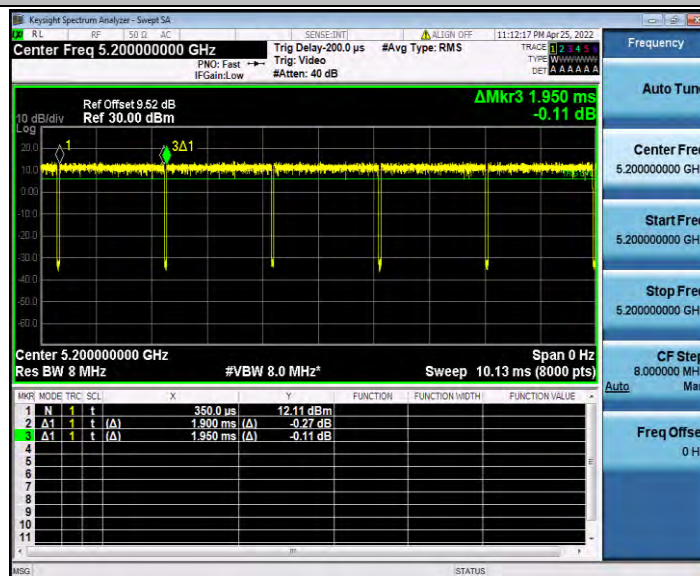
11A_Ant1_5240



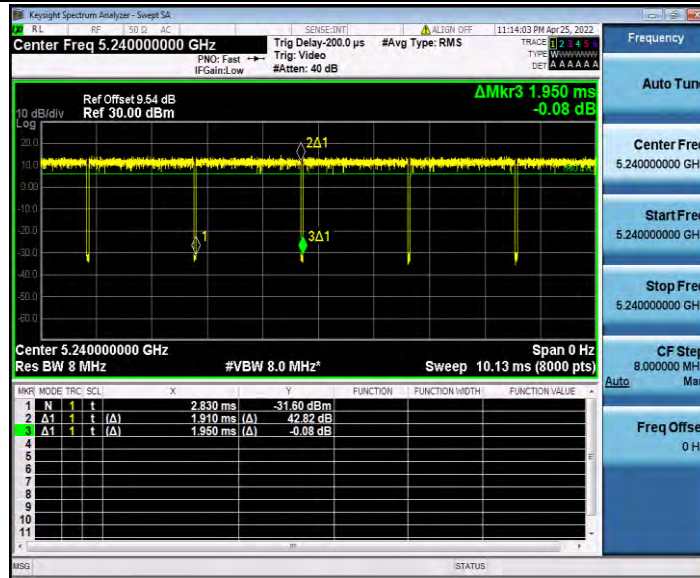
11N20SISO_Ant1_5180



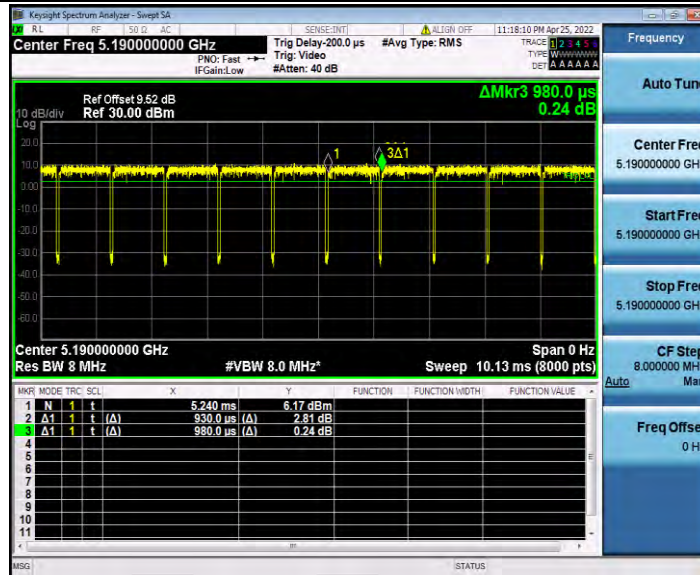
11N20SISO_Ant1_5200



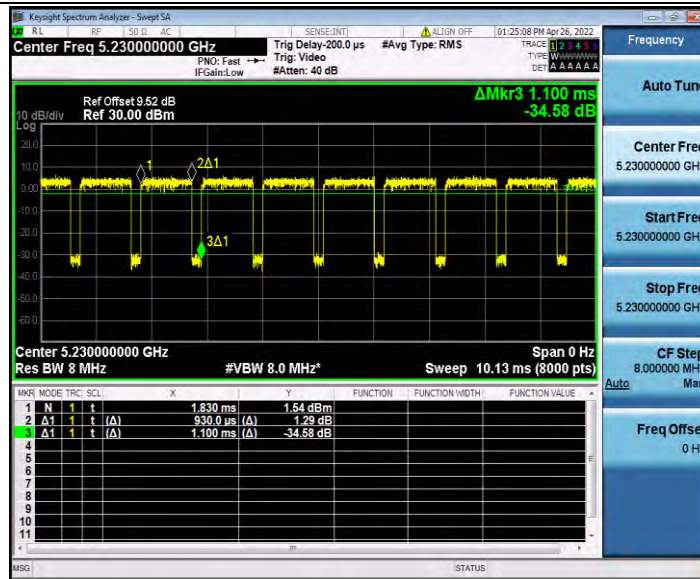
11N20SISO_Ant1_5240



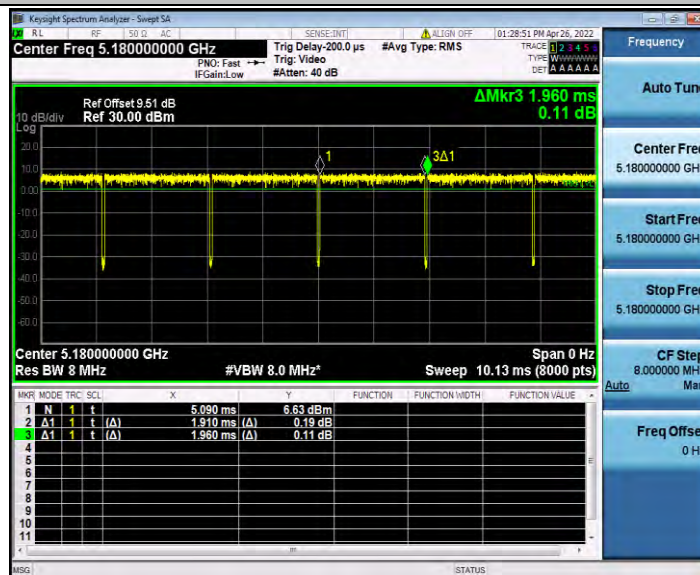
11N40SISO_Ant1_5190



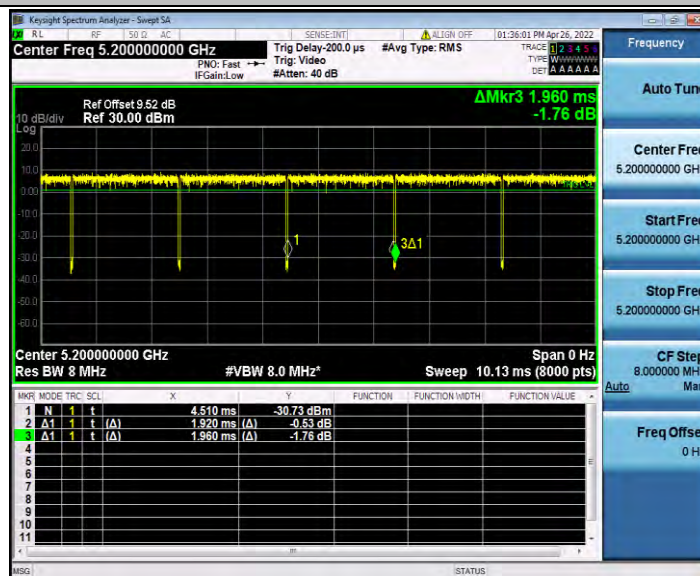
11N40SISO_Ant1_5230



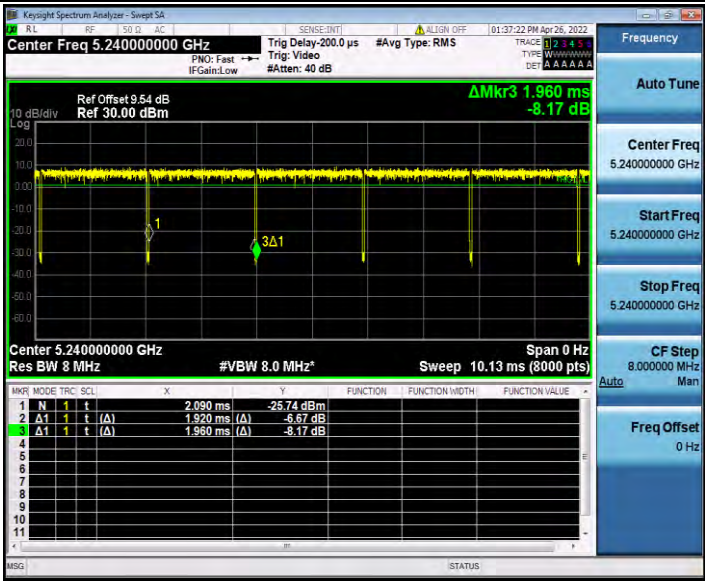
11AC20SISO_Ant1_5180



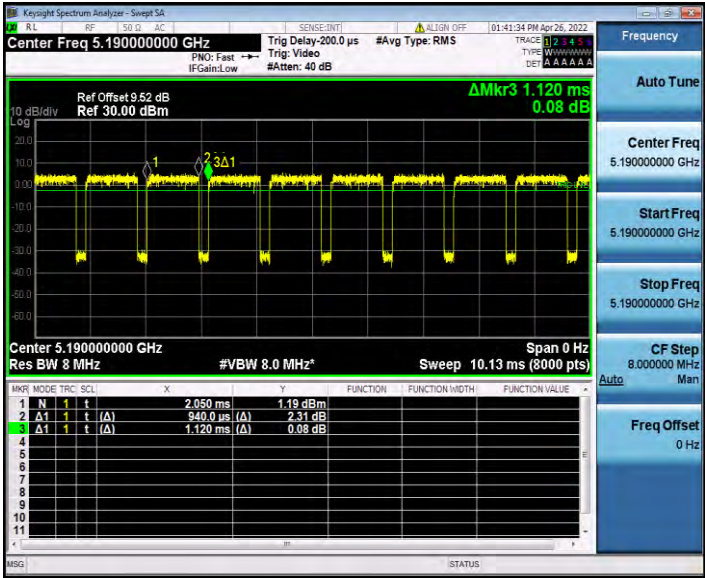
11AC20SISO_Ant1_5200



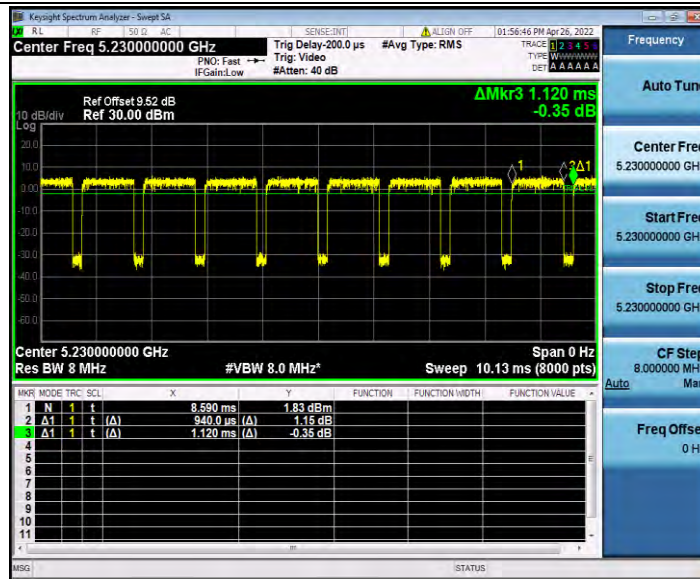
11AC20SISO_Ant1_5240



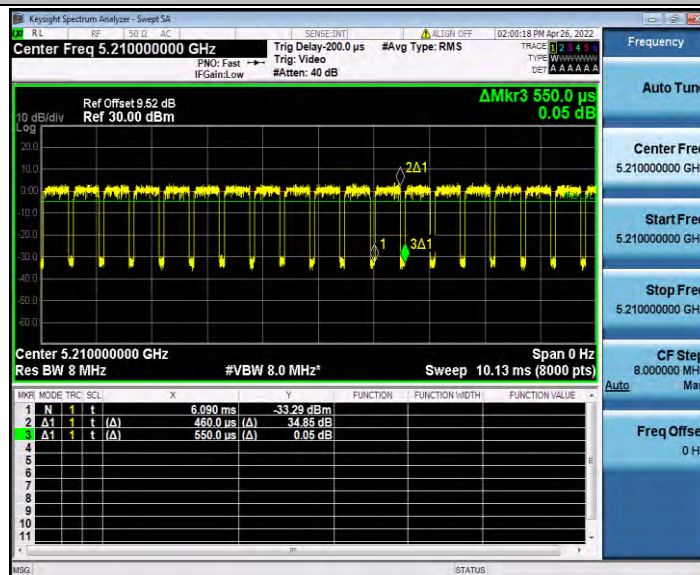
11AC40SISO_Ant1_5190



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	4.33	≤11.00	PASS
		5200	9.78	≤11.00	PASS
		5240	4.30	≤11.00	PASS
11N20SISO	Ant1	5180	9.43	≤11.00	PASS
		5200	9.28	≤11.00	PASS
		5240	9.03	≤11.00	PASS
11N40SISO	Ant1	5190	6.91	≤11.00	PASS
		5230	2.59	≤11.00	PASS
11AC20SISO	Ant1	5180	4.11	≤11.00	PASS
		5200	4.84	≤11.00	PASS
		5240	4.13	≤11.00	PASS
11AC40SISO	Ant1	5190	1.89	≤11.00	PASS
		5230	2.16	≤11.00	PASS
11AC80SISO	Ant1	5210	-0.02	≤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

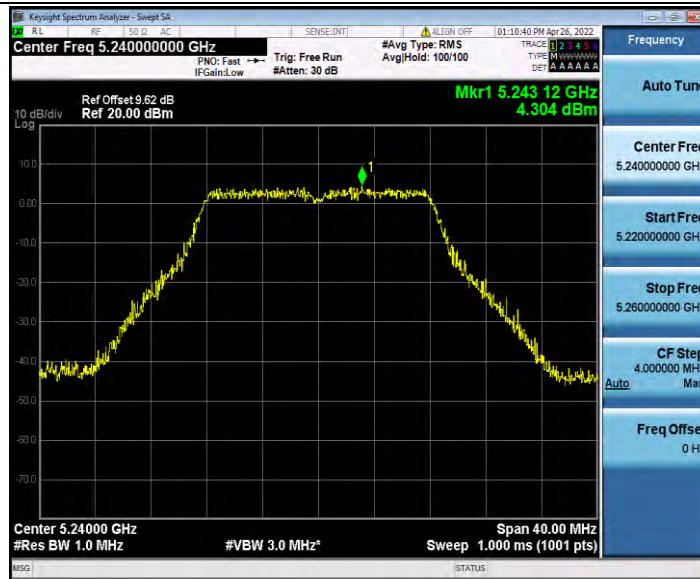
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



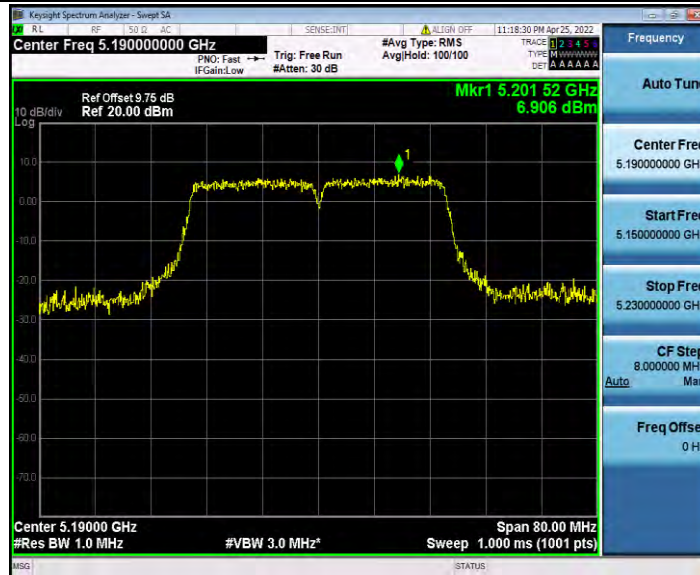
11N20SISO_Ant1_5200



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



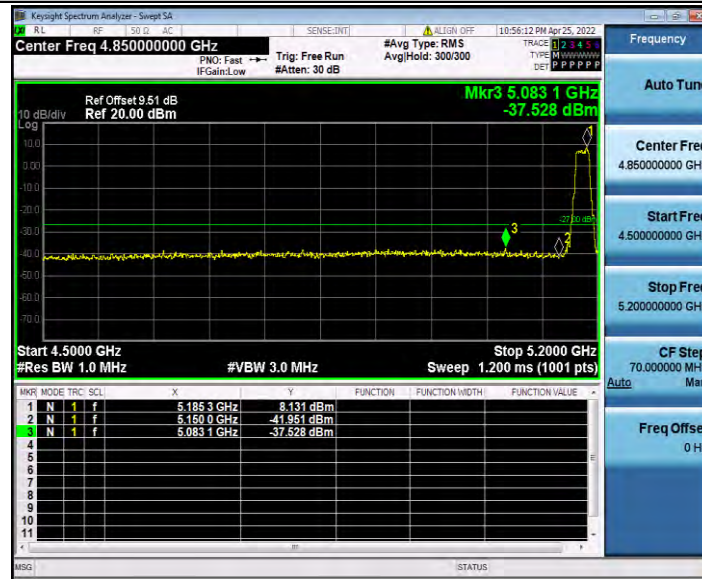
Appendix D.5: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.53	≤-27	PASS
		High	5240	-37.45	≤-27	PASS
11N20SISO	Ant1	Low	5180	-38.31	≤-27	PASS
		High	5240	-37.78	≤-27	PASS
11N40SISO	Ant1	Low	5190	-38.24	≤-27	PASS
		High	5230	-38.01	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-37.40	≤-27	PASS
		High	5240	-38.30	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-38.35	≤-27	PASS
		High	5230	-37.09	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-37.55	≤-27	PASS
		High	5210	-37.75	≤-27	PASS

Test Graphs B1

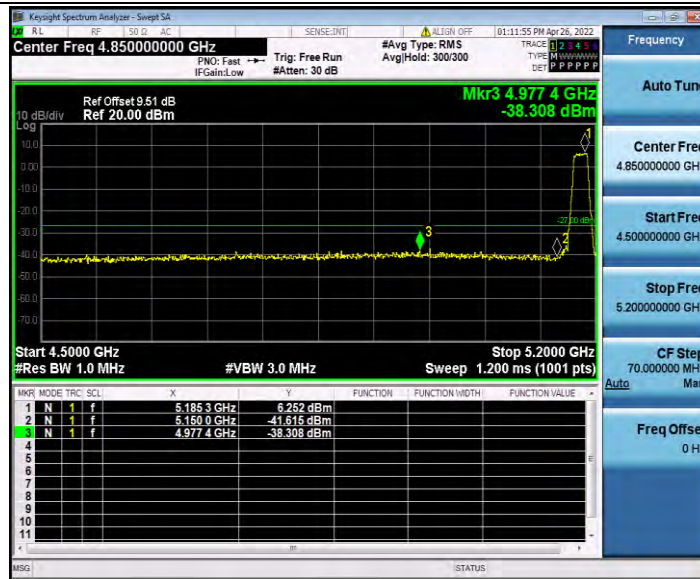
11A_Ant1_Low_5180



11A_Ant1_High_5240



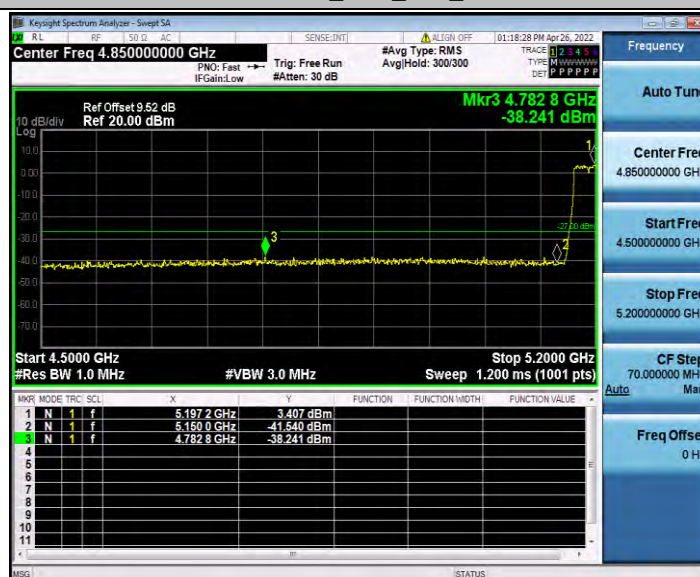
11N20SISO_Ant1_Low_5180



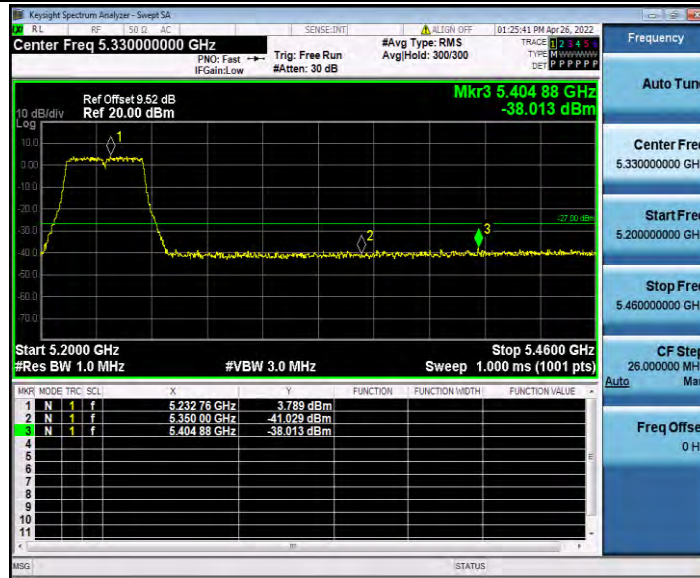
11N20SISO_Ant1_High_5240



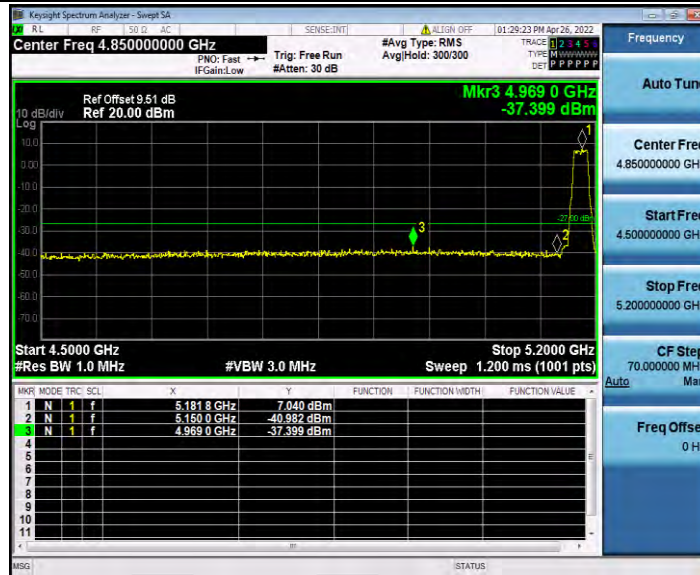
11N40SISO_Ant1_Low_5190



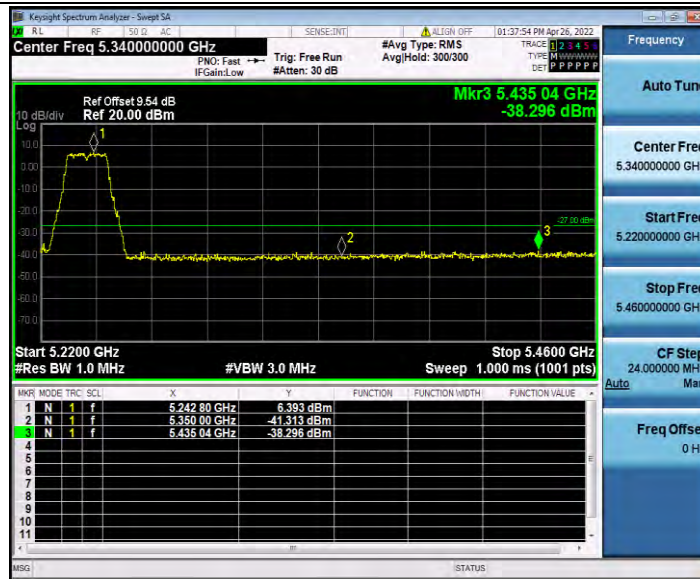
11N40SISO_Ant1_High_5230



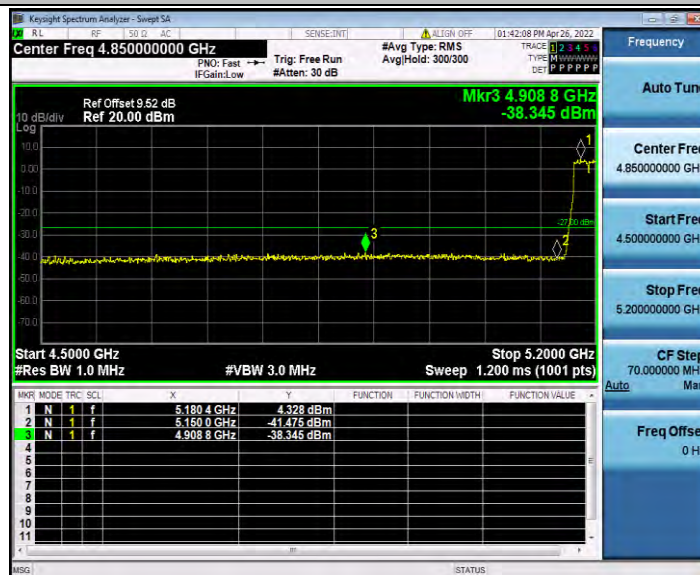
11AC20SISO_Ant1_Low_5180



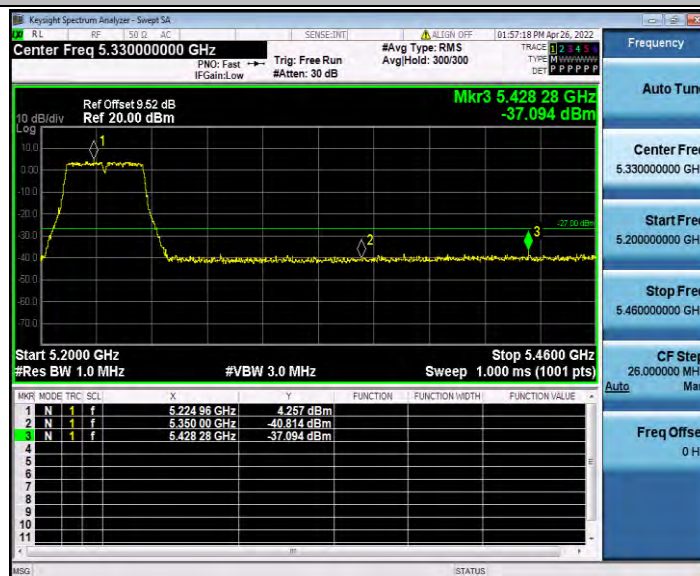
11AC20SISO_Ant1_High_5240



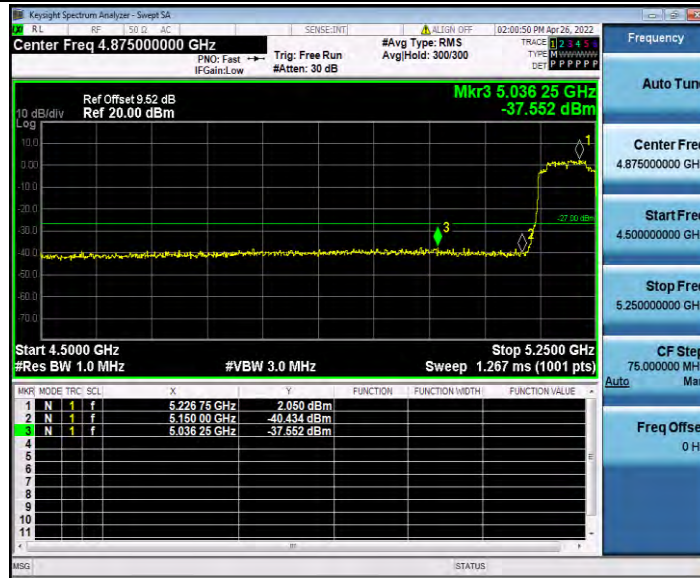
11AC40SISO_Ant1_Low_5190



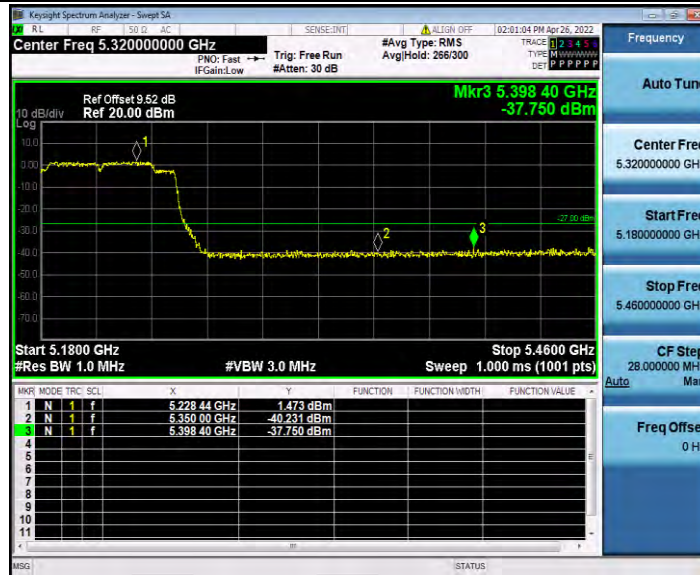
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix D.6: Conducted Spurious Emission

Test Result

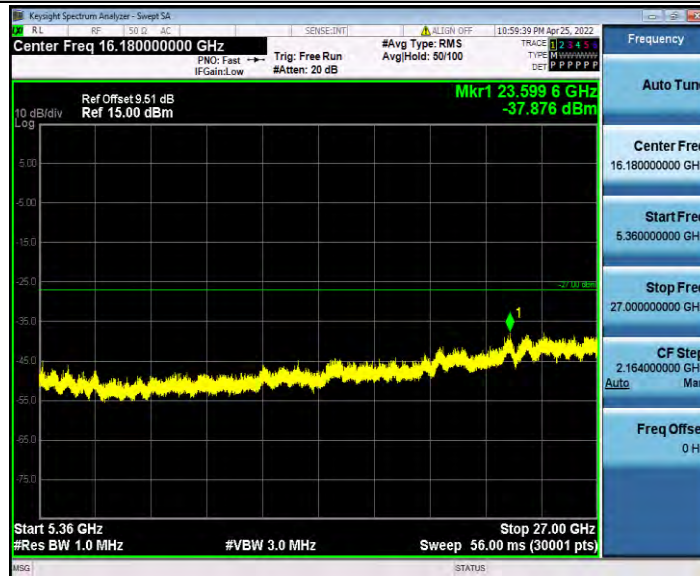
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4848.56	-46.33	≤-27	PASS
			5360~40000	23599.63	-37.88	≤-27	PASS
		5200	30~5140	5138.64	-46.36	≤-27	PASS
			5360~40000	24320.25	-38.41	≤-27	PASS
		5240	30~5140	2978.47	-45.82	≤-27	PASS
			5360~40000	26854.29	-38.12	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5138.64	-37.87	≤-27	PASS
			5360~40000	26893.96	-37.81	≤-27	PASS
		5200	30~5140	5134.89	-44.52	≤-27	PASS
			5360~40000	26906.23	-37.67	≤-27	PASS
		5240	30~5140	2467.47	-47.08	≤-27	PASS
			5360~40000	24279.85	-38.07	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	3297.33	-46.79	≤-27	PASS
			5360~40000	26033.41	-37.99	≤-27	PASS
		5230	30~5140	2680.9	-46.66	≤-27	PASS
			5360~40000	26811.73	-38.23	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	4986.36	-47.44	≤-27	PASS
			5360~40000	24276.25	-38.24	≤-27	PASS
		5200	30~5140	2684.13	-46.02	≤-27	PASS
			5360~40000	26524.64	-38.22	≤-27	PASS
		5240	30~5140	4909.54	-47.16	≤-27	PASS
			5360~40000	25218.31	-37.94	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	4777.53	-47.09	≤-27	PASS
			5360~40000	25182.24	-38.19	≤-27	PASS
		5230	30~5140	4953.49	-45.92	≤-27	PASS
			5360~40000	26985.57	-37.9	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	833.63	-44.22	≤-27	PASS
			5360~40000	24271.92	-37.84	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



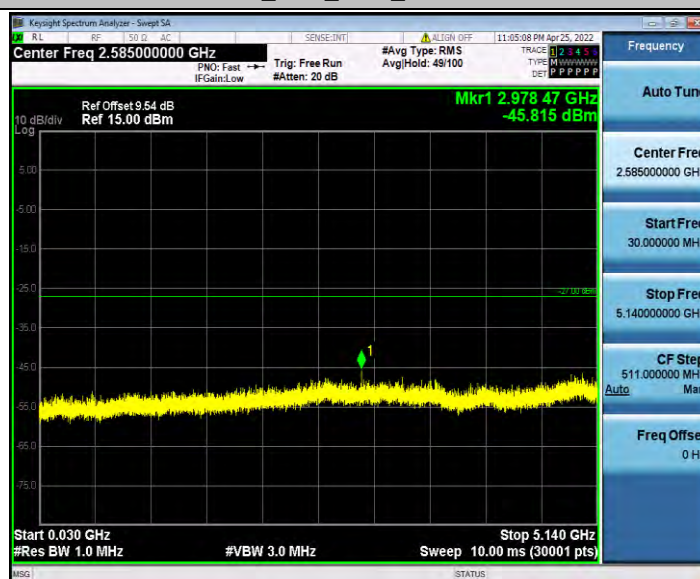
11A_Ant1_5200_30~5140



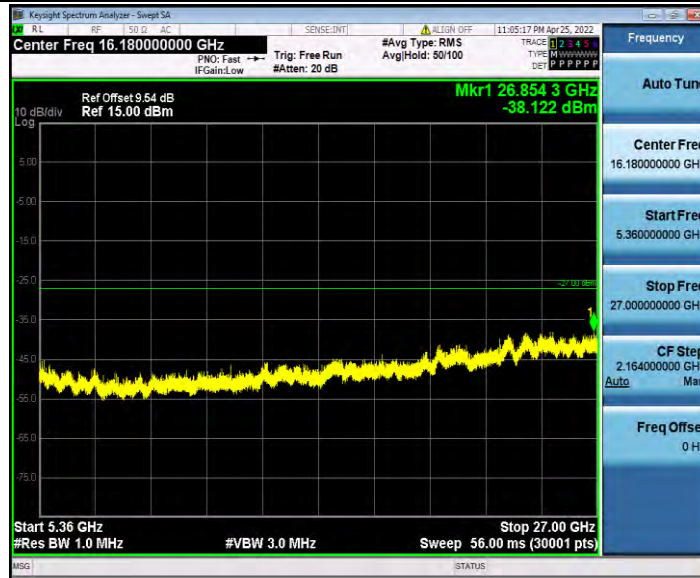
11A_Ant1_5200_5360~40000



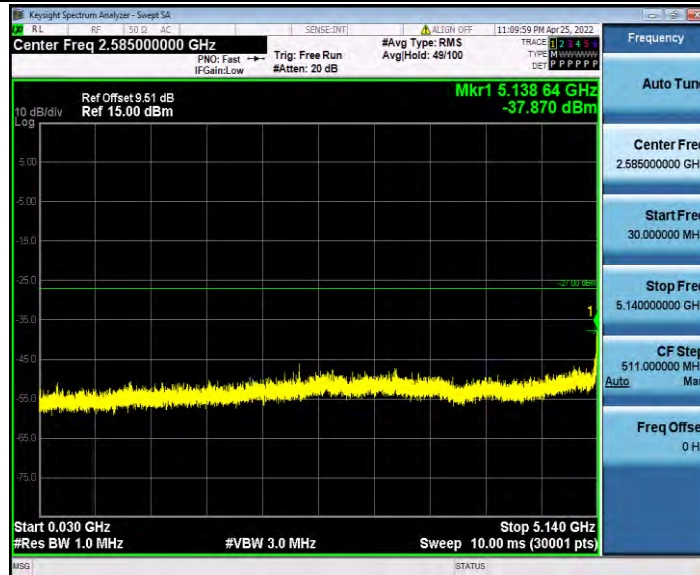
11A_Ant1_5240_30~5140



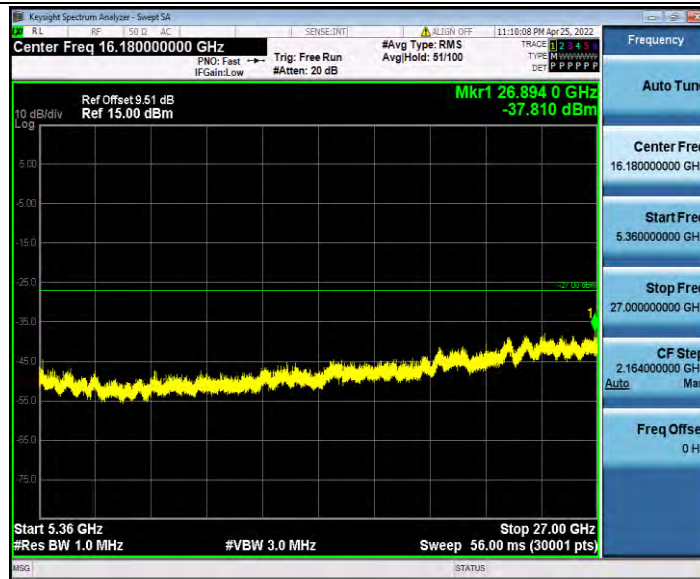
11A_Ant1_5240_5360~40000



11N20SISO_Ant1_5180_30~5140



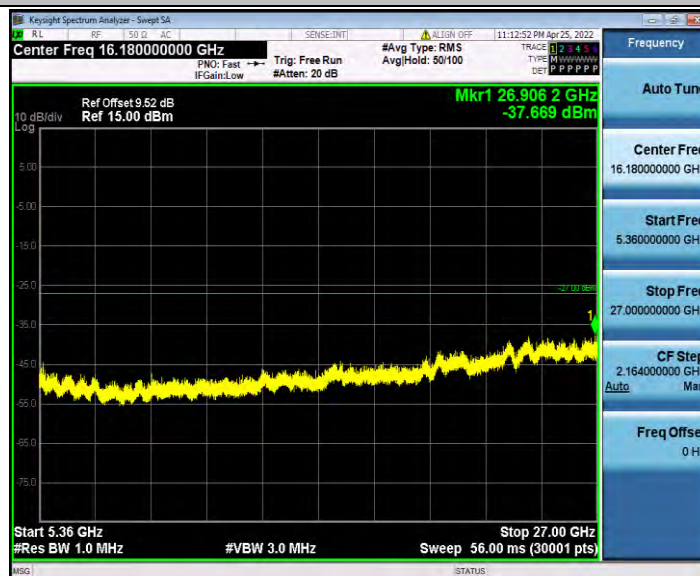
11N20SISO_Ant1_5180_5360~40000



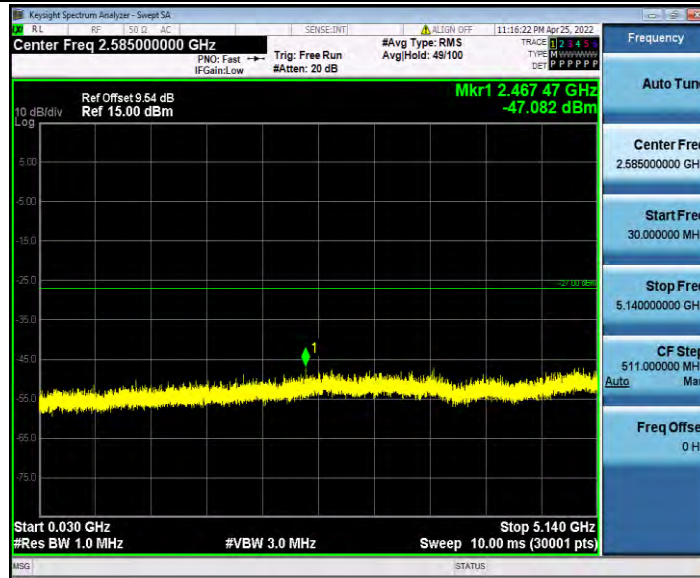
11N20SISO_Ant1_5200_30~5140



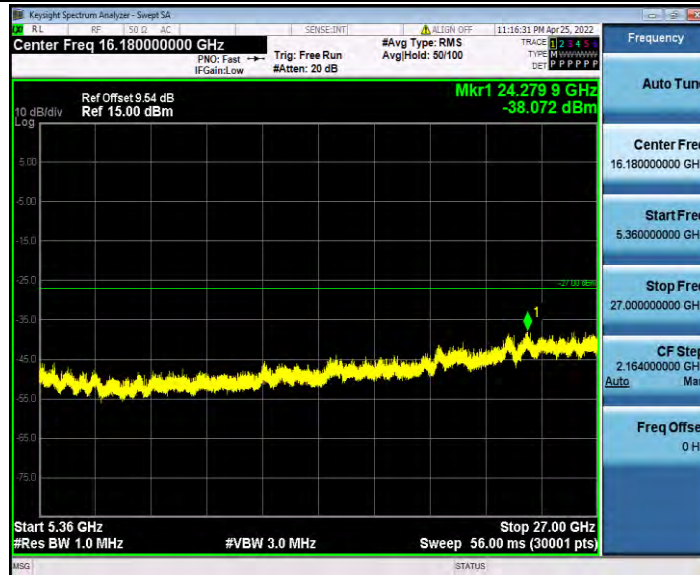
11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



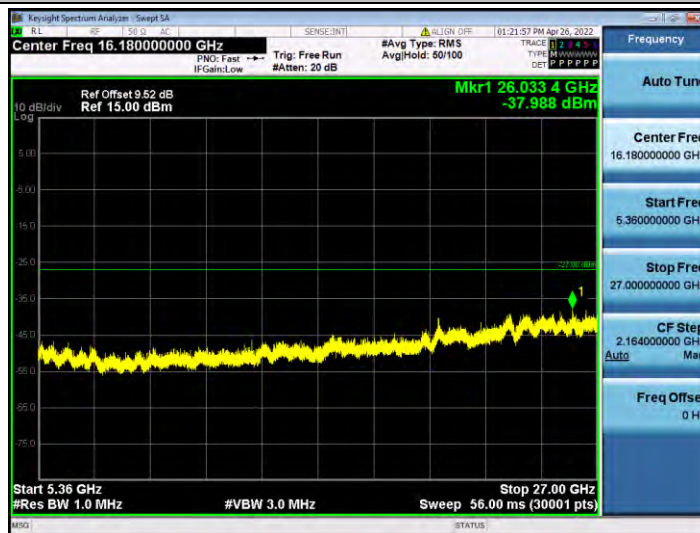
11N20SISO_Ant1_5240_5360~40000



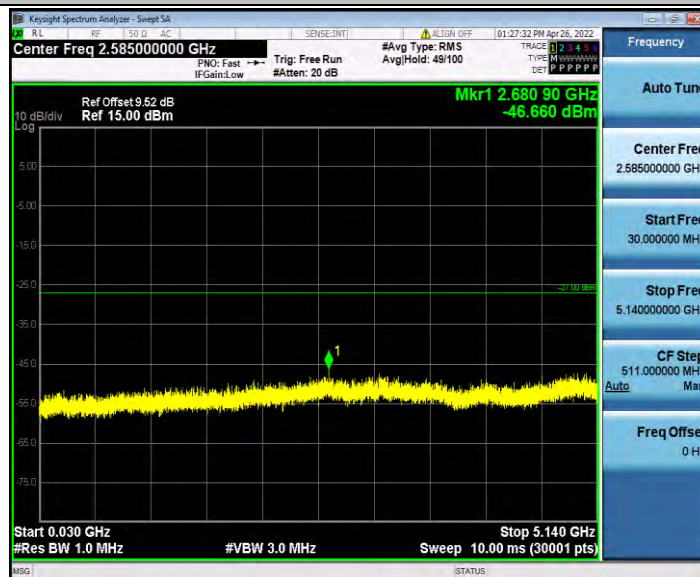
11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~40000



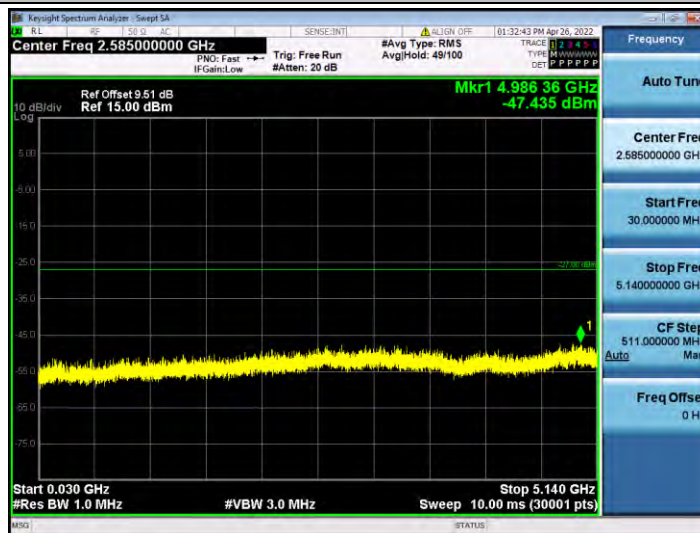
11N40SISO_Ant1_5230_30~5140



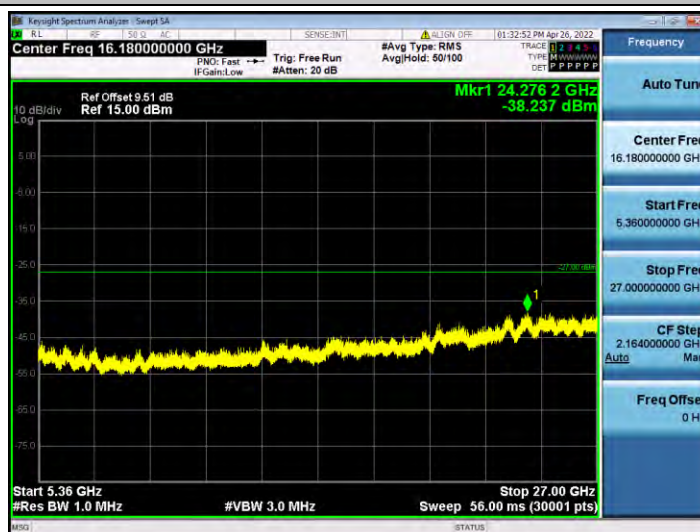
11N40SISO_Ant1_5230_5360~40000



11AC20SISO_Ant1_5180_30~5140



11AC20SISO_Ant1_5180_5360~40000



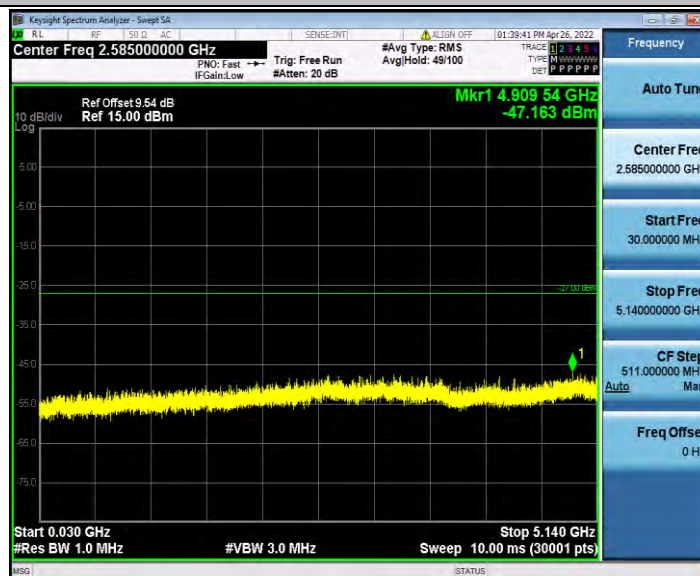
11AC20SISO_Ant1_5200_30~5140



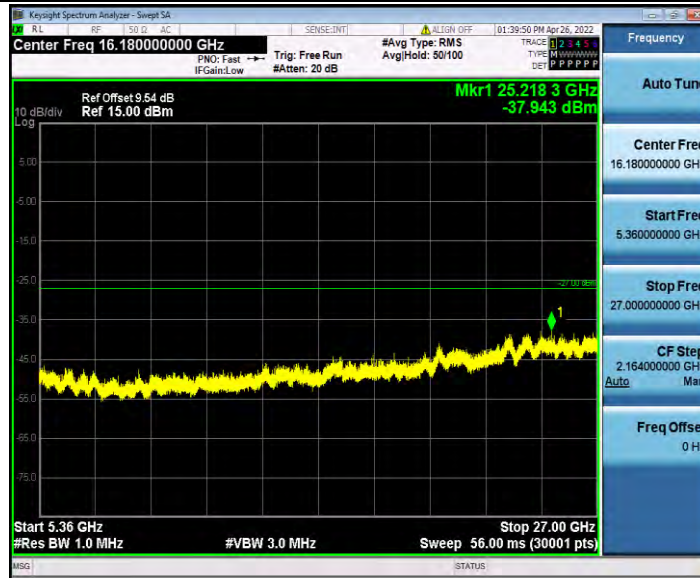
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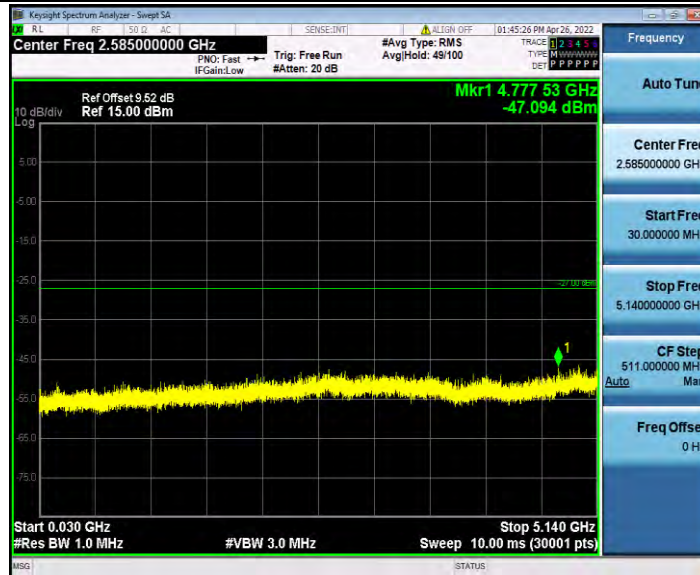
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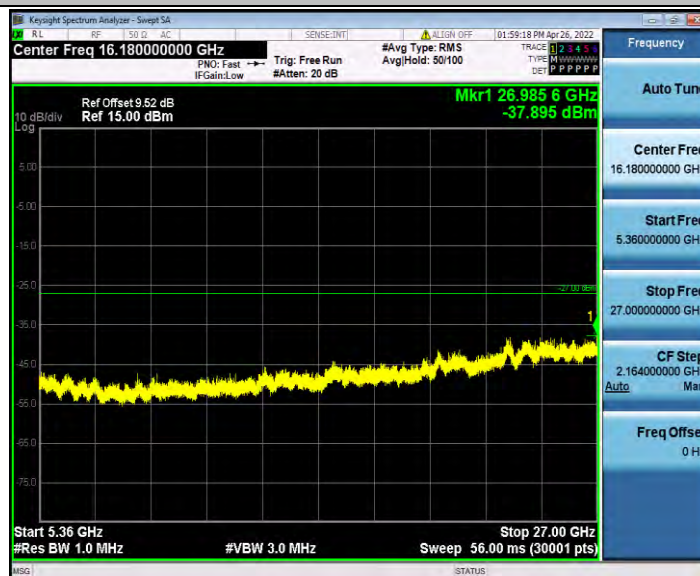
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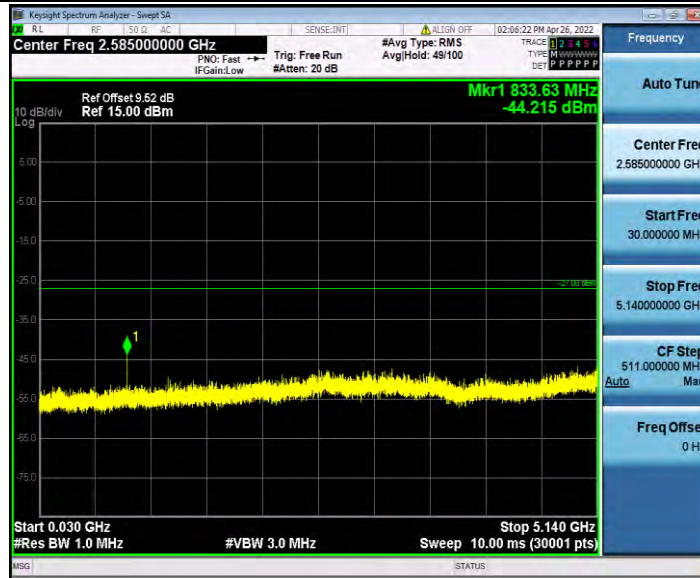
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

