

Case No. : GTS20220506010-1-13	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022-5-14	Test Engineer: Jenny Zeng

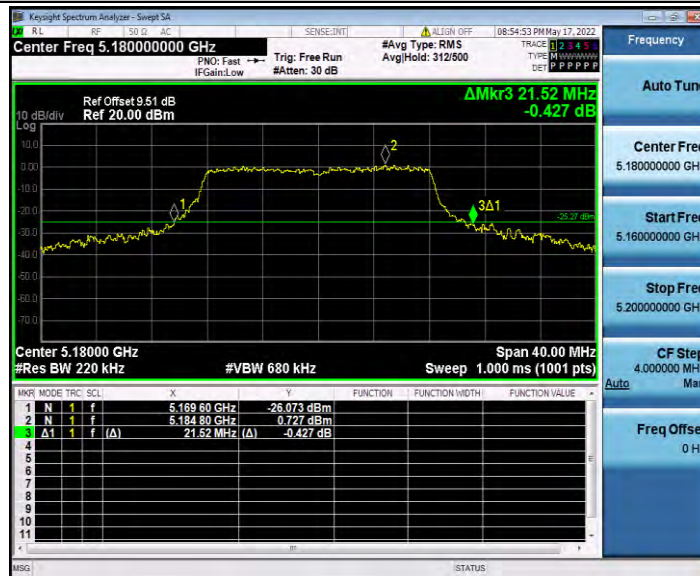
Appendix D.1: Emission Bandwidth

Test Result

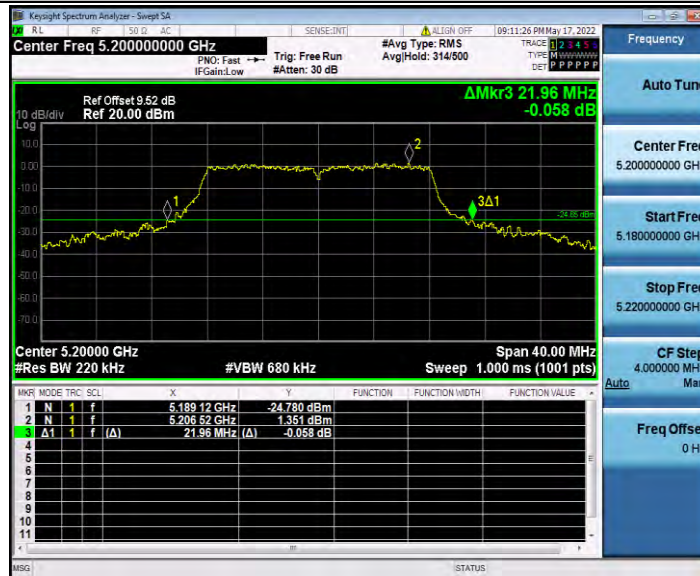
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.520	5169.600	5191.120	---	---
		5200	21.960	5189.120	5211.080	---	---
		5240	26.280	5227.440	5253.720	---	---
11N20SISO	Ant1	5180	25.040	5168.760	5193.800	---	---
		5200	28.240	5186.720	5214.960	---	---
		5240	26.840	5228.080	5254.920	---	---
11N40SISO	Ant1	5190	50.640	5166.000	5216.640	---	---
		5230	40.240	5209.840	5250.080	---	---
11AC20SISO	Ant1	5180	20.080	5170.000	5190.080	---	---
		5200	20.320	5189.880	5210.200	---	---
		5240	20.320	5229.760	5250.080	---	---
11AC40SISO	Ant1	5190	39.920	5170.080	5210.000	---	---
		5230	40.240	5209.840	5250.080	---	---
11AC80SISO	Ant1	5210	96.800	5163.600	5260.400	---	---

Test Graphs

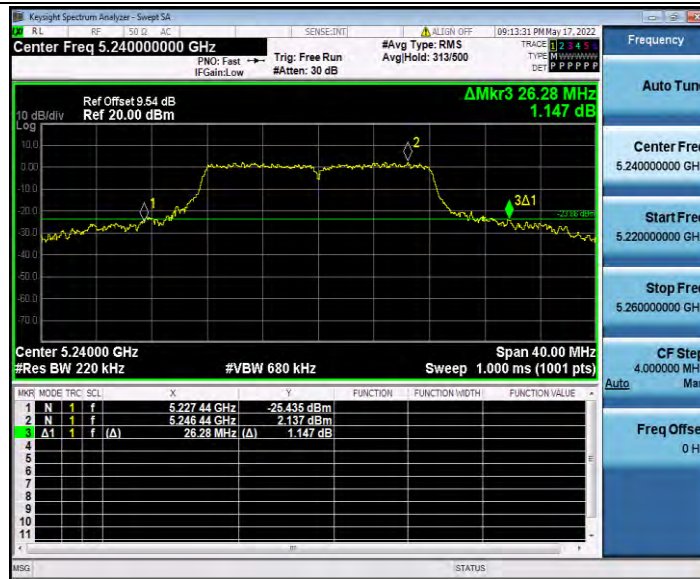
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



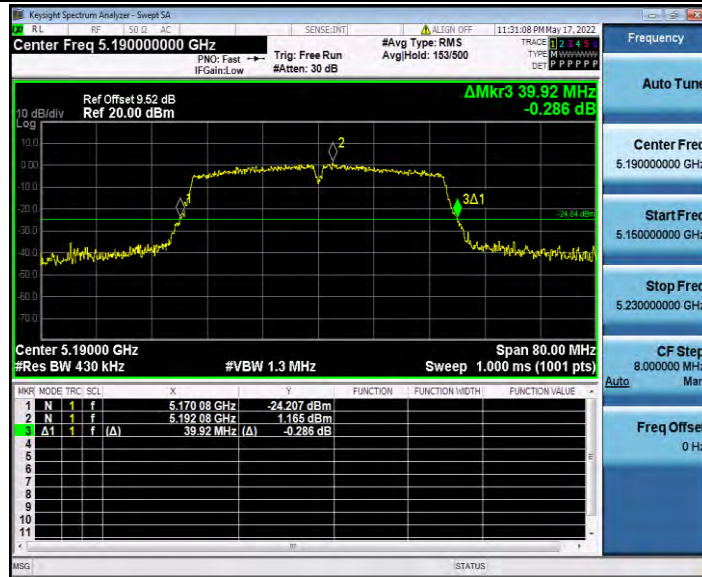
11AC20SISO_Ant1_5200



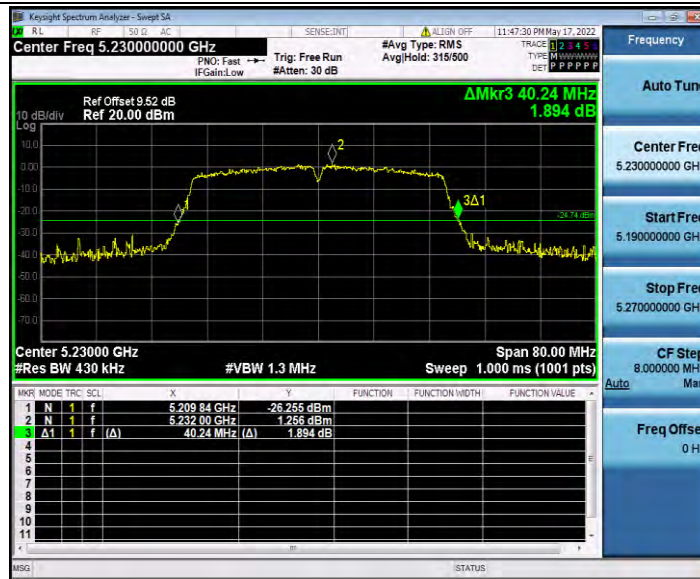
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



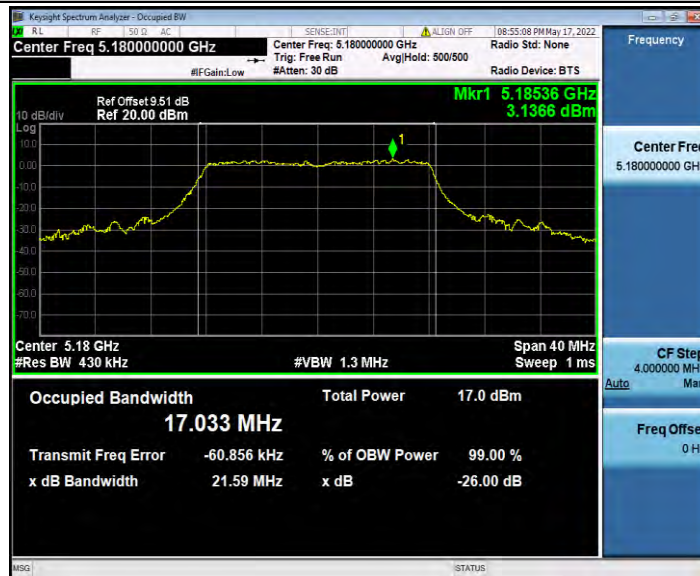
Appendix D.2: Occupied channel bandwidth

Test Result

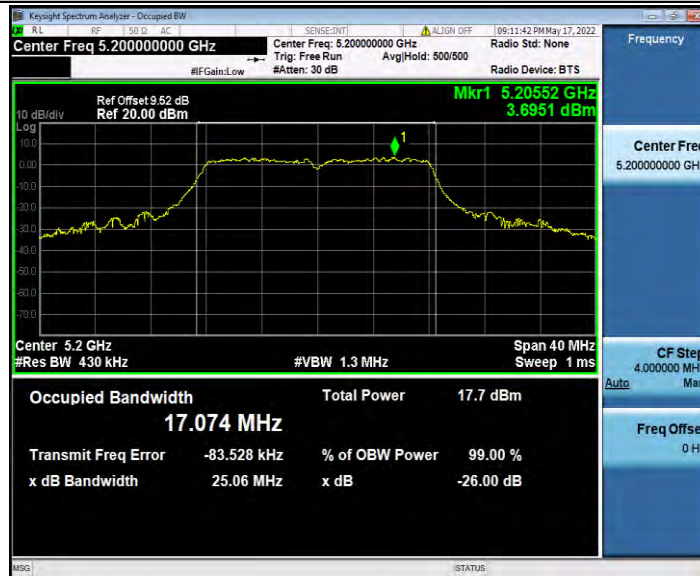
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.033	5171.423	5188.456	---	---
		5200	17.074	5191.379	5208.453	---	---
		5240	17.223	5231.300	5248.523	---	---
11N20SISO	Ant1	5180	18.077	5170.975	5189.052	---	---
		5200	18.228	5190.902	5209.130	---	---
		5240	18.139	5230.933	5249.072	---	---
11N40SISO	Ant1	5190	36.721	5171.762	5208.483	---	---
		5230	36.318	5211.862	5248.180	---	---
11AC20SISO	Ant1	5180	17.806	5171.100	5188.906	---	---
		5200	17.832	5191.090	5208.922	---	---
		5240	17.879	5231.038	5248.917	---	---
11AC40SISO	Ant1	5190	36.285	5171.865	5208.150	---	---
		5230	36.256	5211.891	5248.147	---	---
11AC80SISO	Ant1	5210	75.636	5172.354	5247.990	---	---

Test Graphs

11A_Ant1_5180



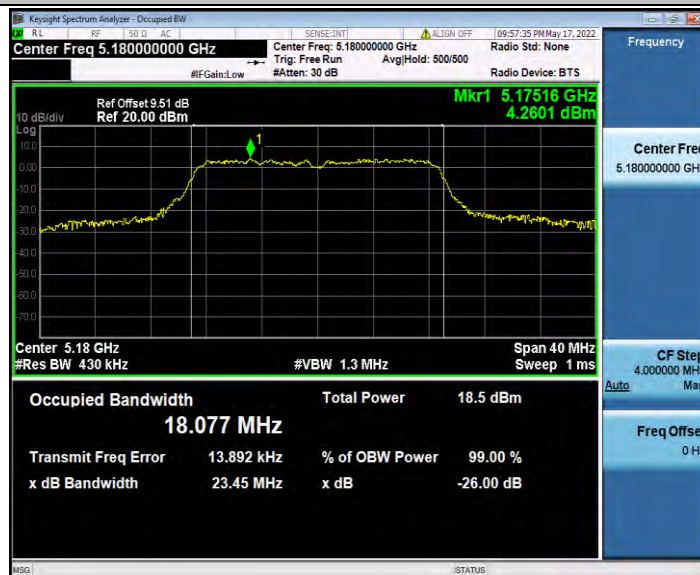
11A_Ant1_5200



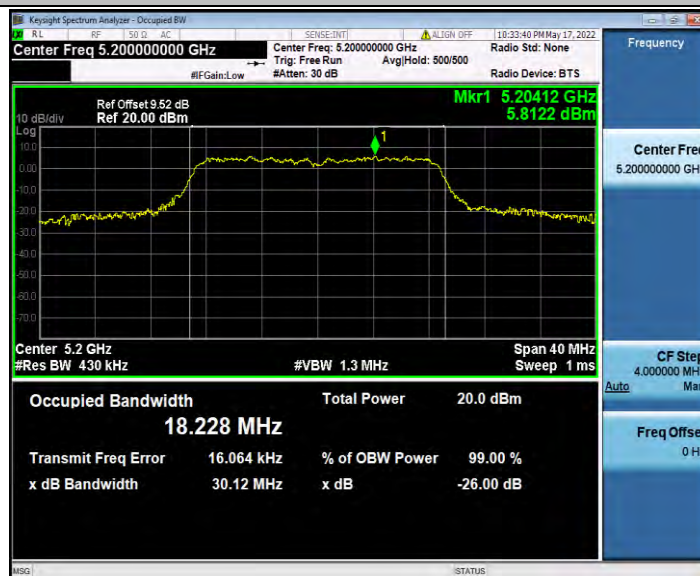
11A_Ant1_5240



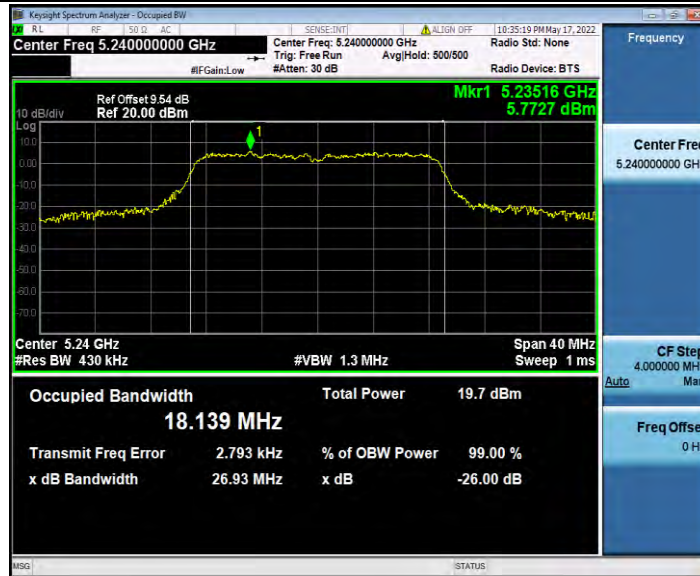
11N20SISO_Ant1_5180



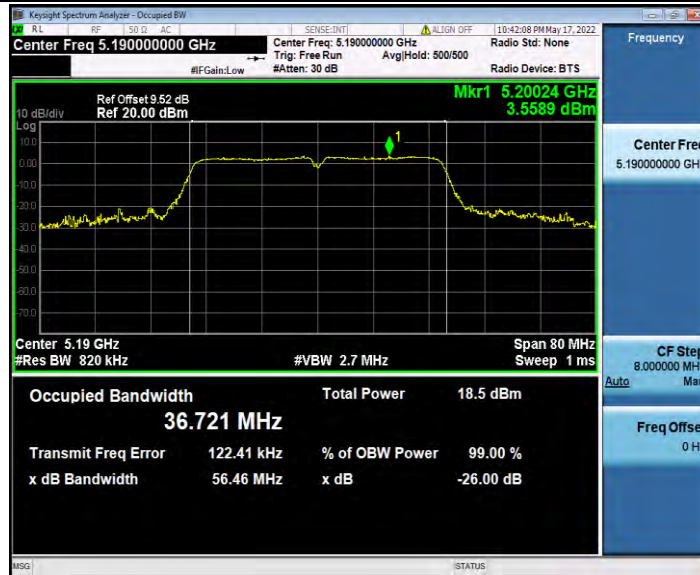
11N20SISO_Ant1_5200



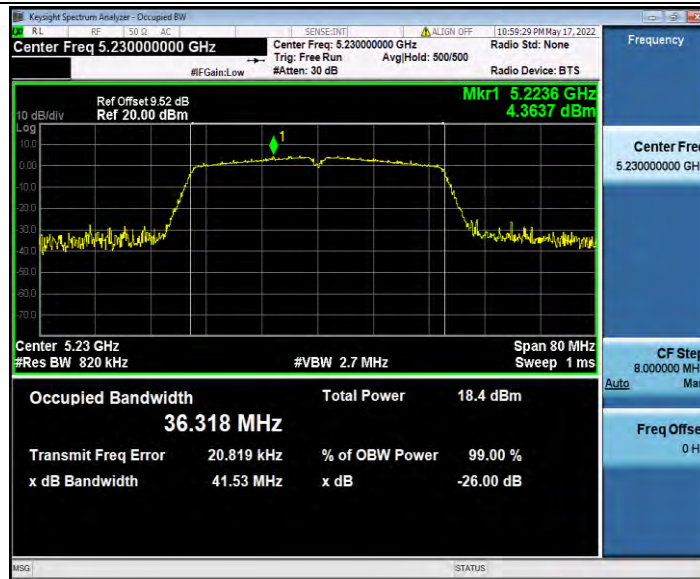
11N20SISO_Ant1_5240



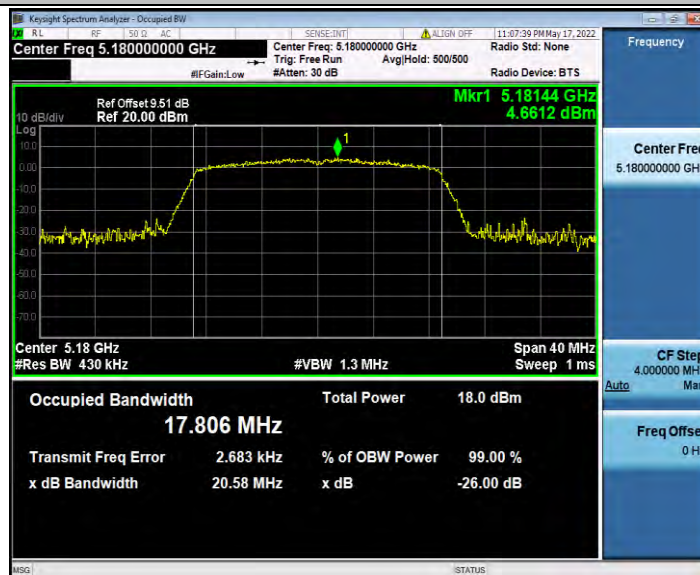
11N40SISO_Ant1_5190



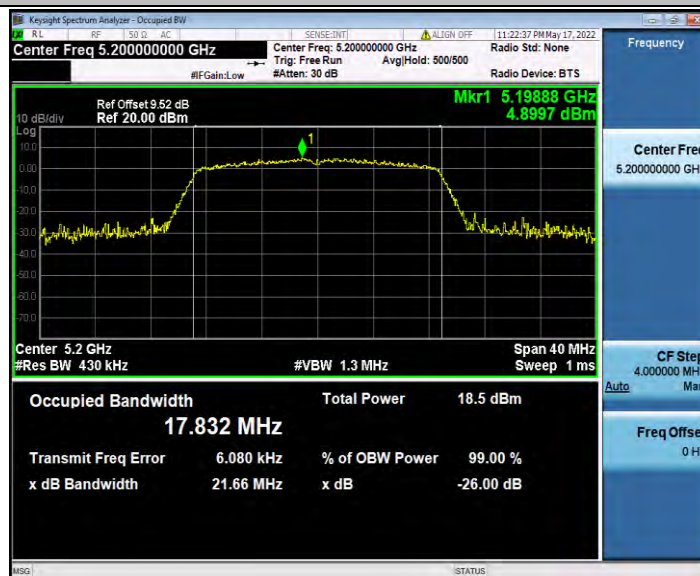
11N40SISO_Ant1_5230



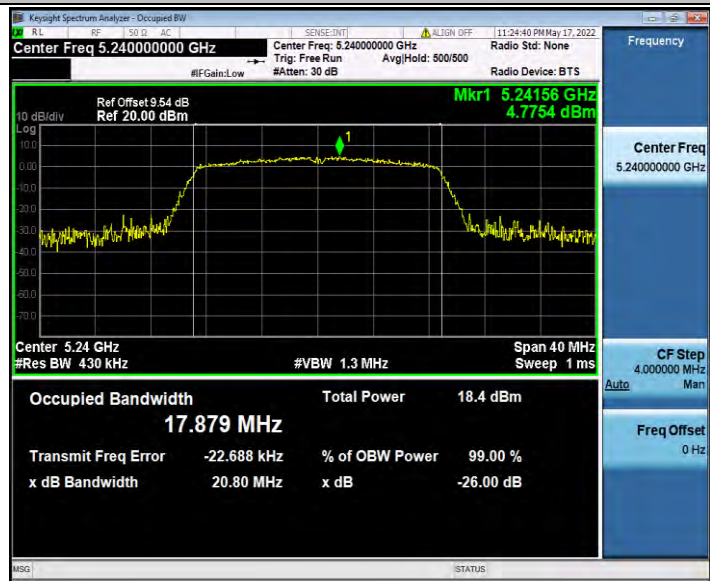
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



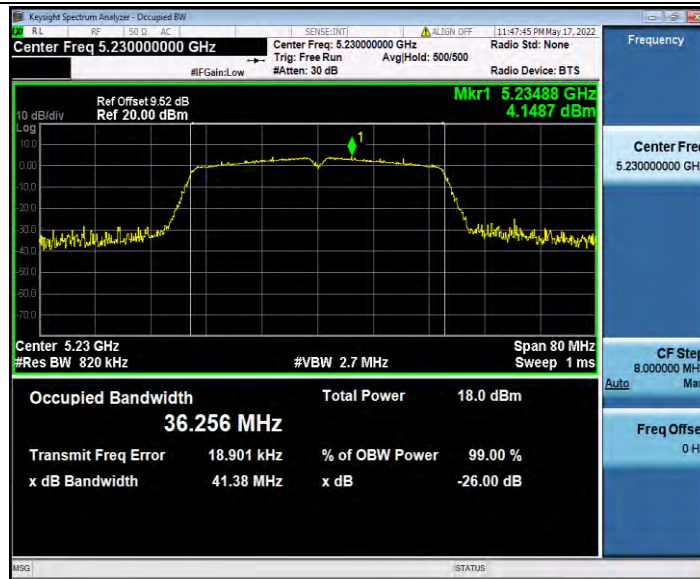
11AC20SISO_Ant1_5240



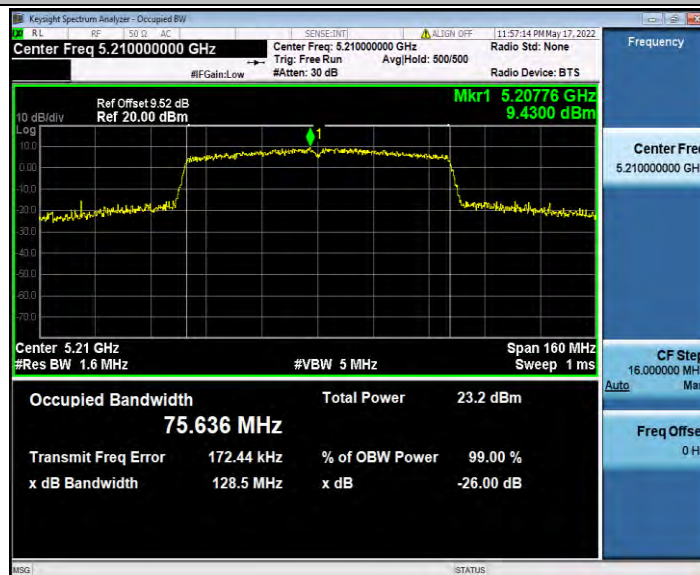
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



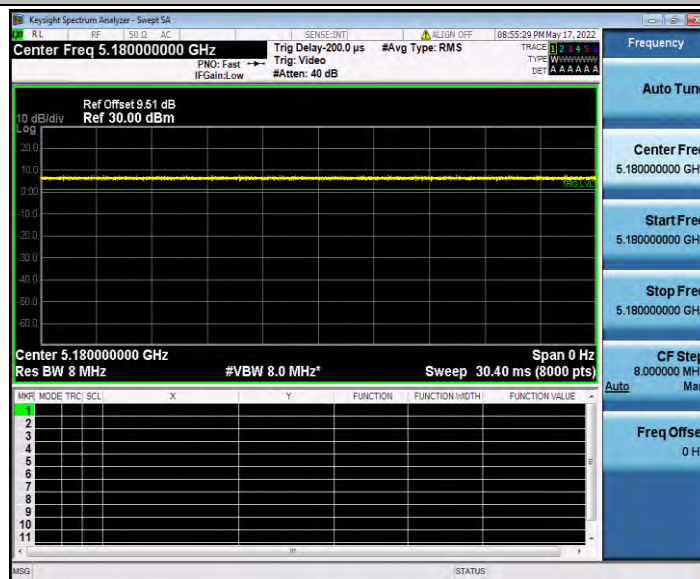
Appendix D.3: Duty Cycle

Test Result

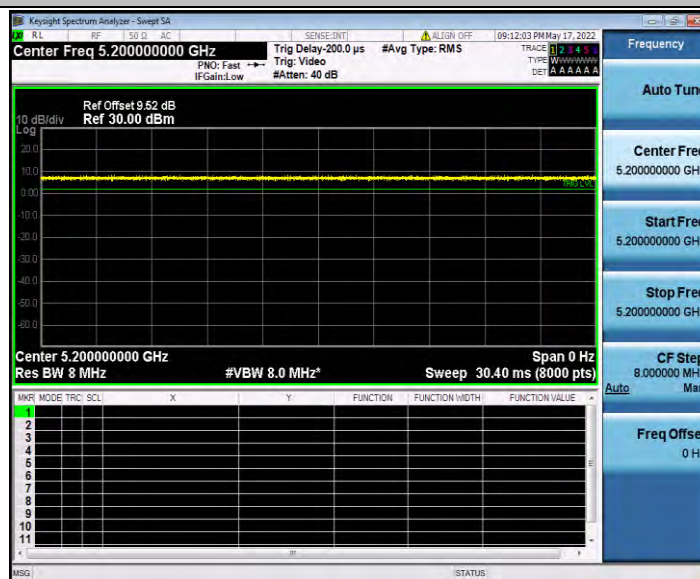
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]
11A	Ant1	5180	30.00	30.00	100.00	0
		5200	30.00	30.00	100.00	0
		5240	30.00	30.00	100.00	0
11N20SISO	Ant1	5180	30.00	30.00	100.00	0
		5200	30.00	30.00	100.00	0
		5240	30.00	30.00	100.00	0
11N40SISO	Ant1	5190	30.00	30.00	100.00	0
		5230	30.00	30.00	100.00	0
11AC20SISO	Ant1	5180	30.00	30.00	100.00	0
		5200	30.00	30.00	100.00	0
		5240	30.00	30.00	100.00	0
11AC40SISO	Ant1	5190	30.00	30.00	100.00	0
		5230	30.00	30.00	100.00	0
11AC80SISO	Ant1	5210	30.00	30.00	100.00	0

Test Graphs

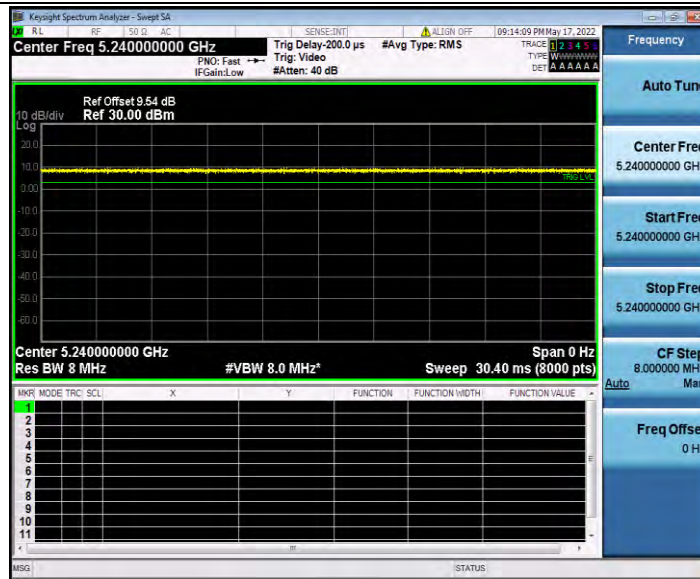
11A_Ant1_5180



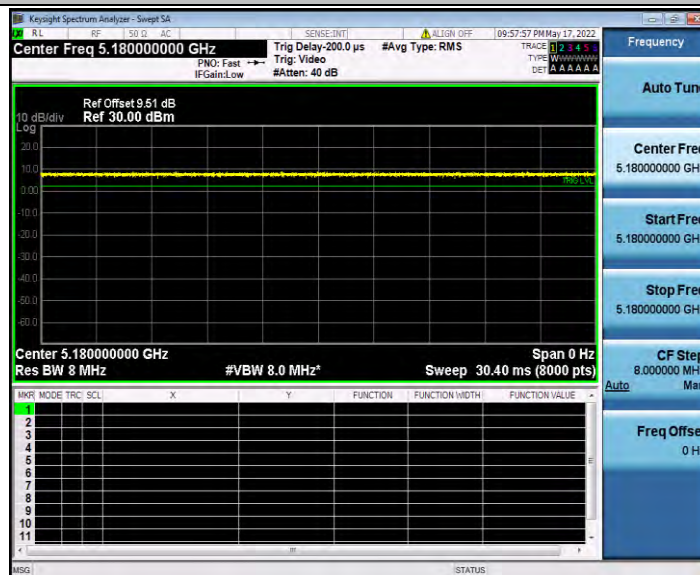
11A_Ant1_5200



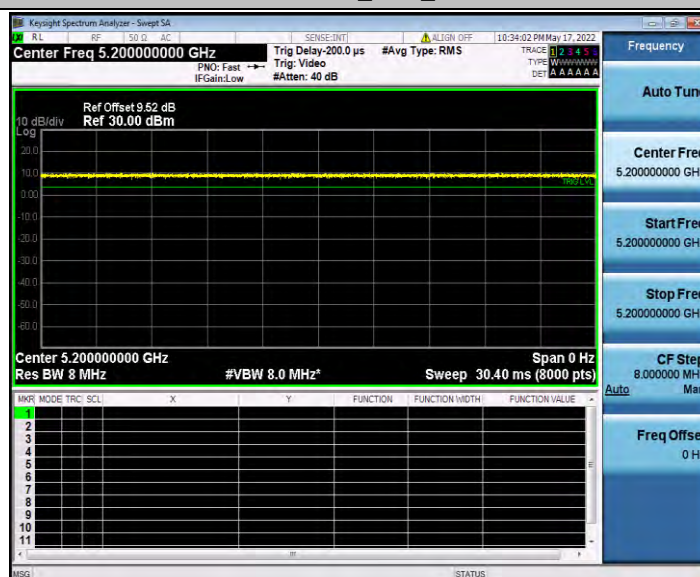
11A_Ant1_5240



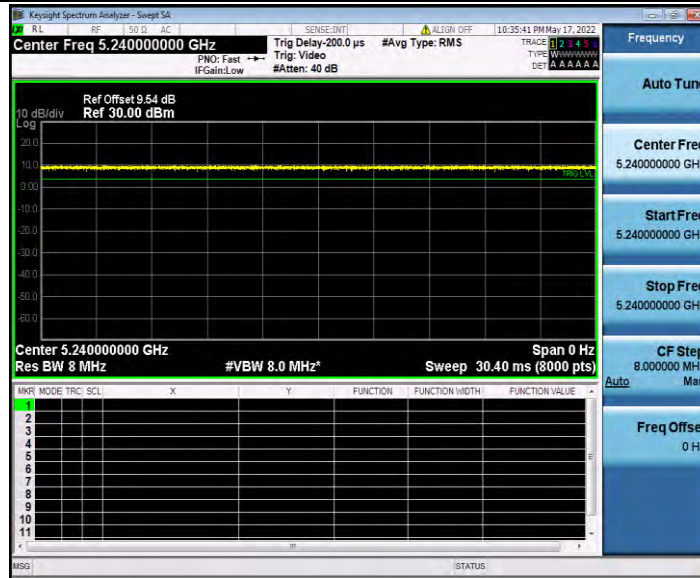
11N20SISO_Ant1_5180



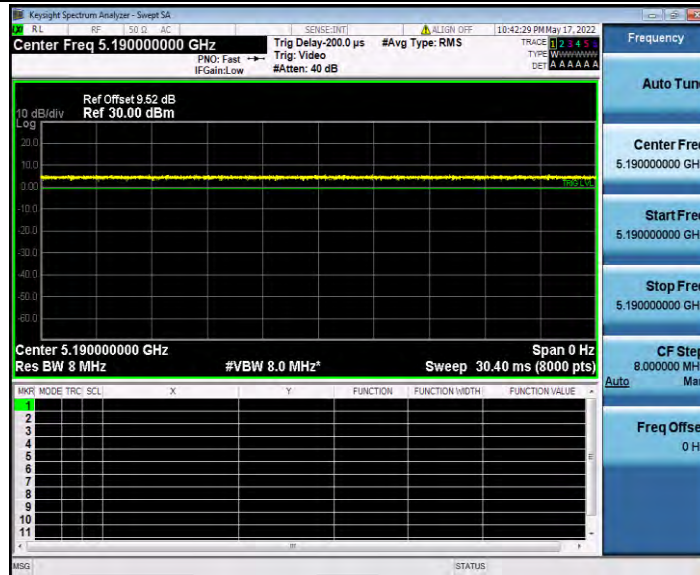
11N20SISO_Ant1_5200



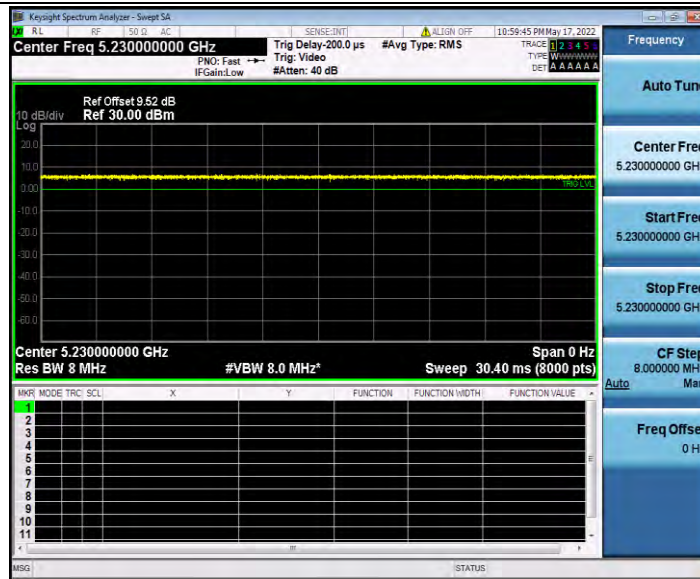
11N20SISO_Ant1_5240



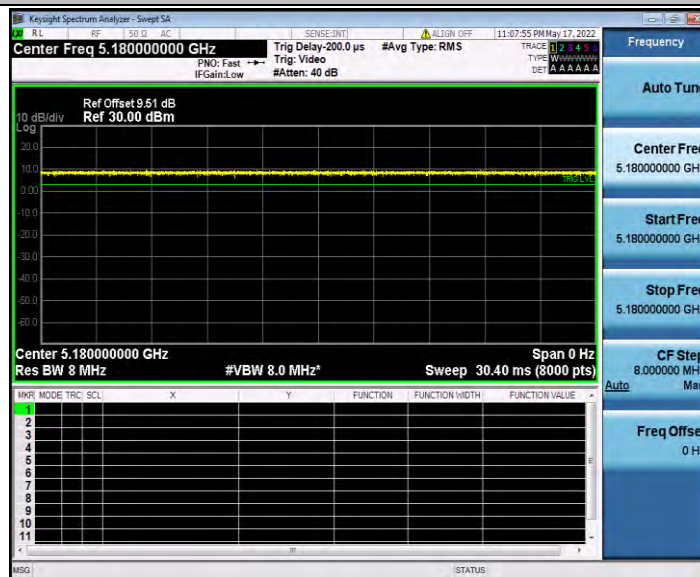
11N40SISO_Ant1_5190



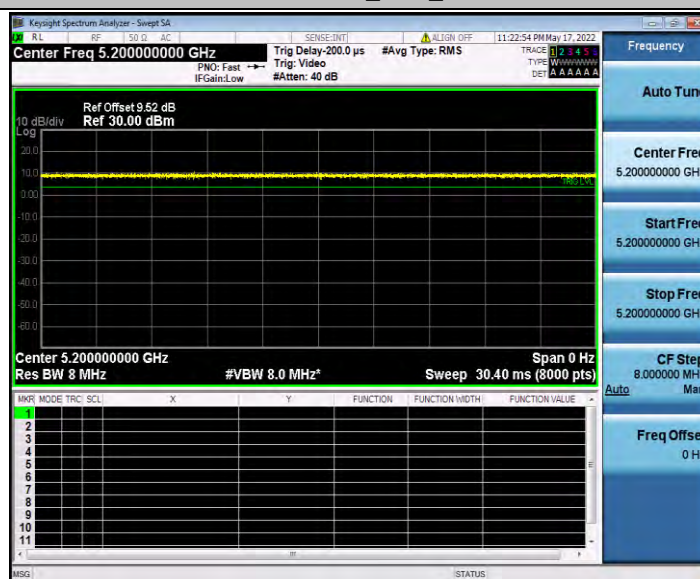
11N40SISO_Ant1_5230



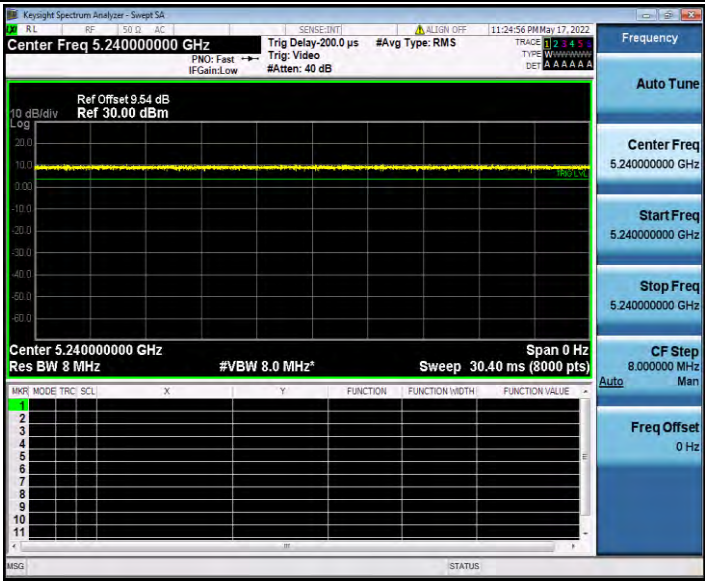
11AC20SISO_Ant1_5180



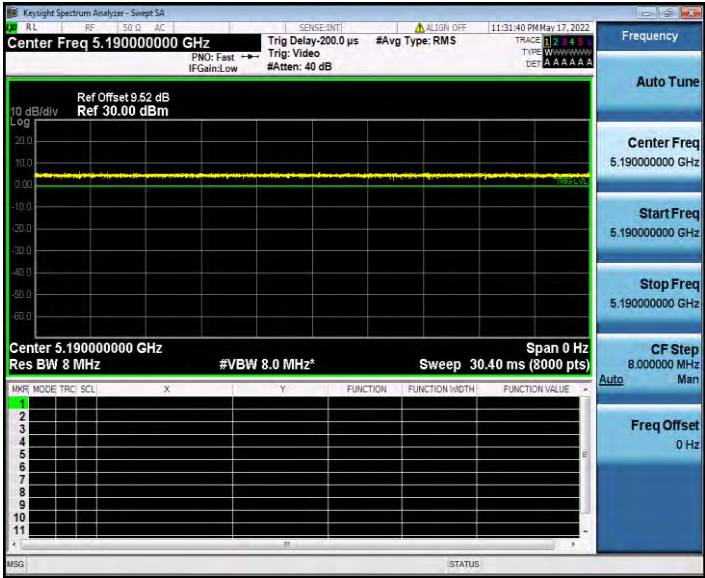
11AC20SISO_Ant1_5200



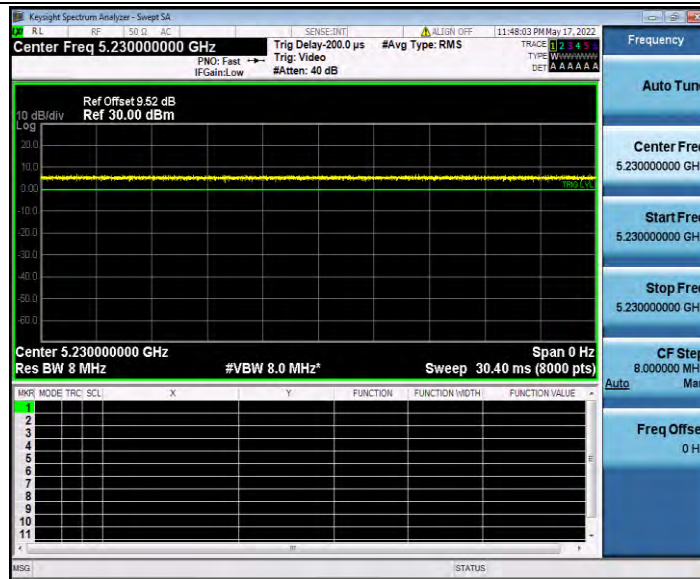
11AC20SISO_Ant1_5240



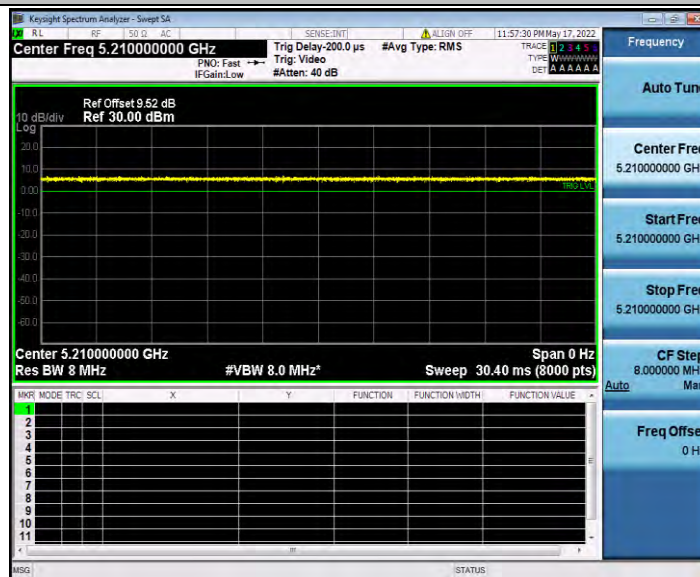
11AC40SISO_Ant1_5190



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	3.80	≤11.00	PASS
		5200	4.46	≤11.00	PASS
		5240	6.28	≤11.00	PASS
11N20SISO	Ant1	5180	5.54	≤11.00	PASS
		5200	6.45	≤11.00	PASS
		5240	6.63	≤11.00	PASS
11N40SISO	Ant1	5190	2.11	≤11.00	PASS
		5230	3.31	≤11.00	PASS
11AC20SISO	Ant1	5180	5.87	≤11.00	PASS
		5200	6.46	≤11.00	PASS
		5240	6.41	≤11.00	PASS
11AC40SISO	Ant1	5190	1.77	≤11.00	PASS
		5230	3.39	≤11.00	PASS
11AC80SISO	Ant1	5210	3.89	≤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



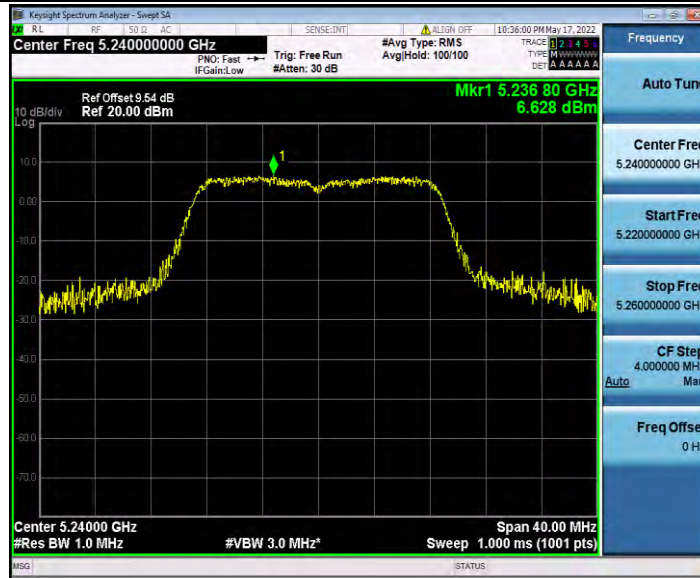
11N20SISO_Ant1_5180



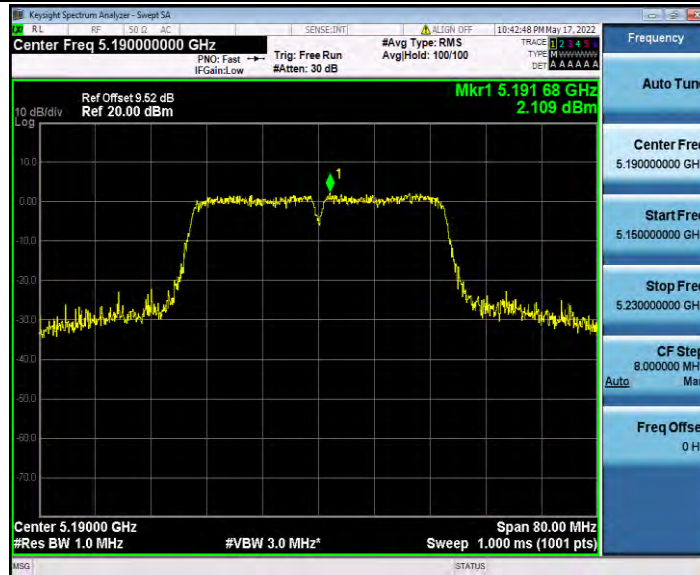
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



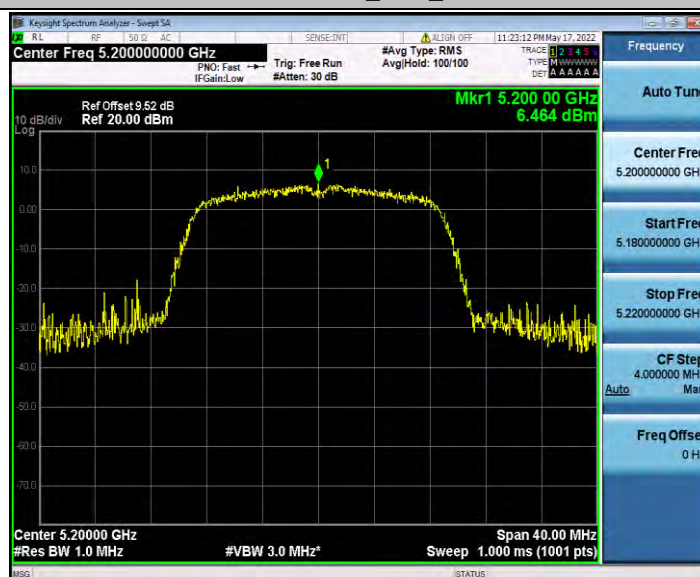
11N40SISO_Ant1_5230



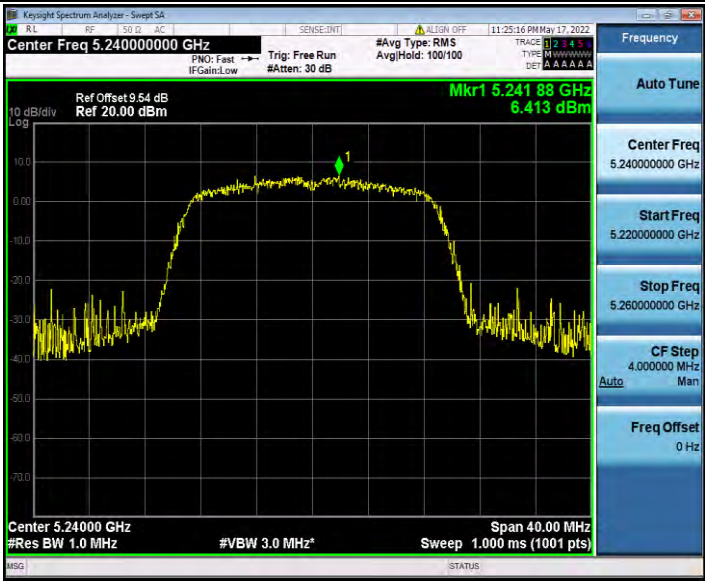
11AC20SISO_Ant1_5180



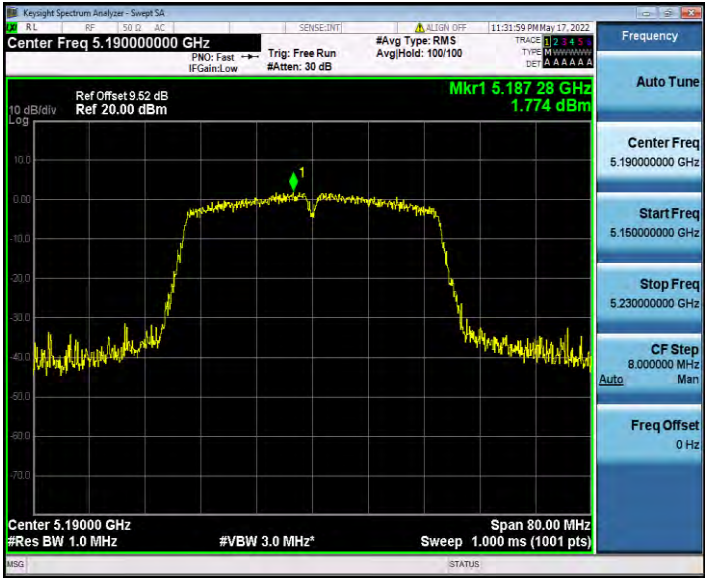
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



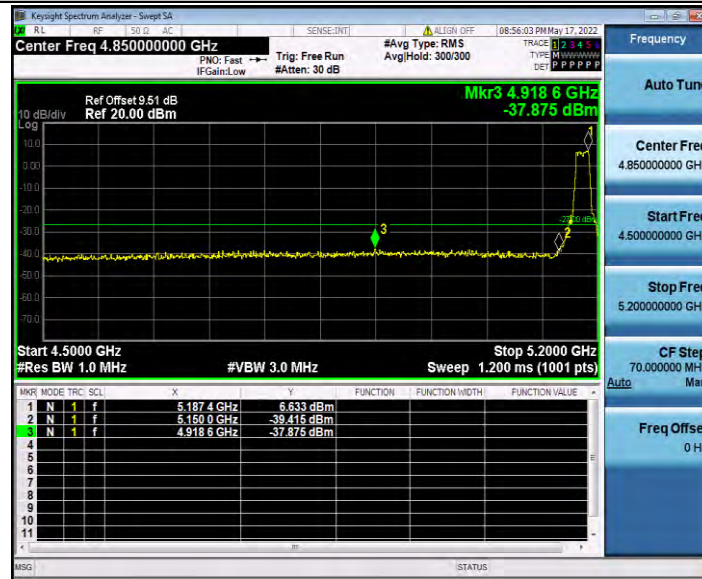
Appendix D.5: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.88	≤ -27	PASS
		High	5240	-37.41	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-33.17	≤ -27	PASS
		High	5240	-37.97	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-27.89	≤ -27	PASS
		High	5230	-38.29	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-33.17	≤ -27	PASS
		High	5240	-37.92	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-34.18	≤ -27	PASS
		High	5230	-37.8	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-28.01	≤ -27	PASS
		High	5210	-37.91	≤ -27	PASS

Test Graphs B1

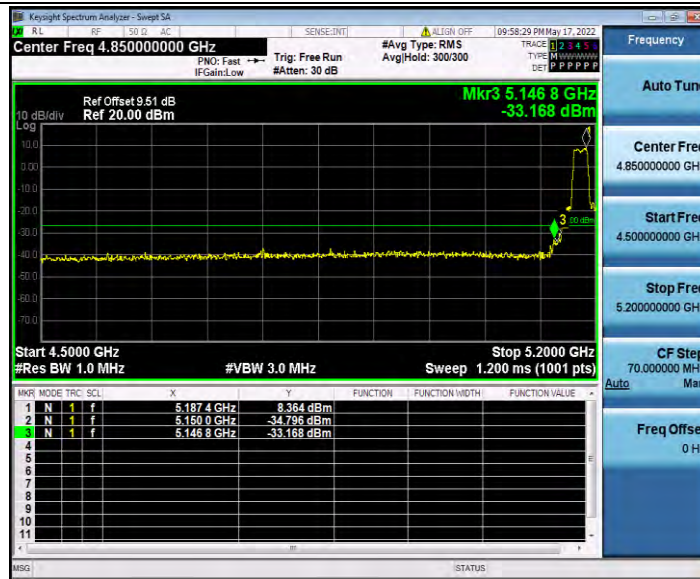
11A_Ant1_Low_5180



11A_Ant1_High_5240



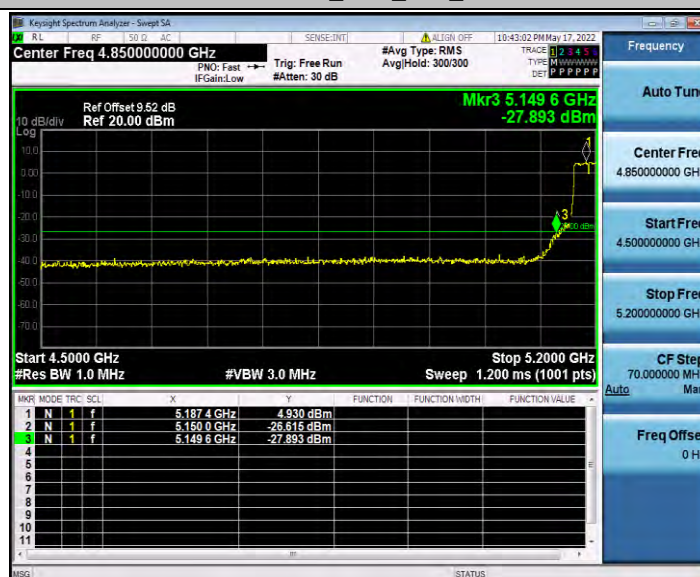
11N20SISO_Ant1_Low_5180



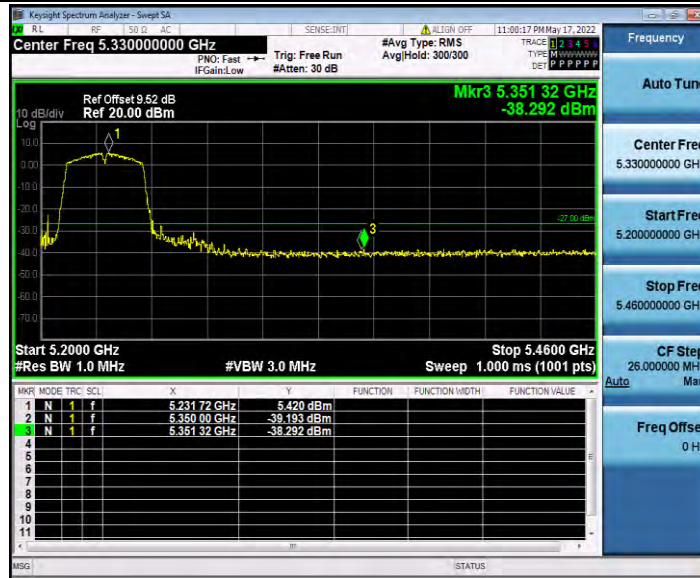
11N20SISO_Ant1_High_5240



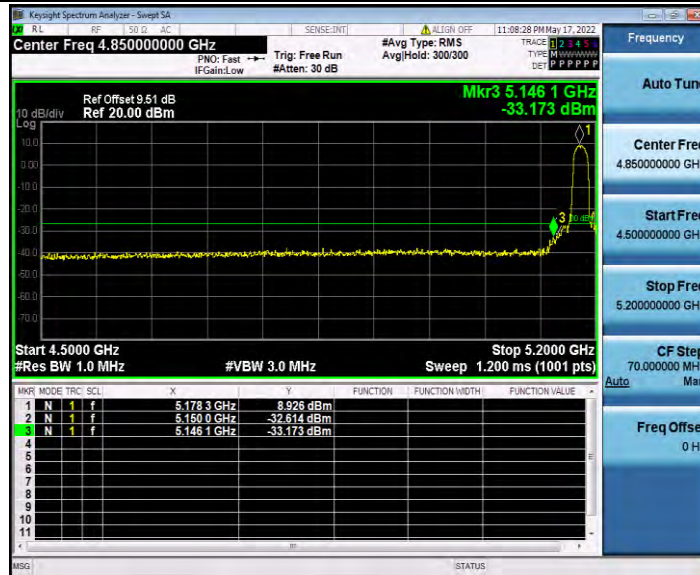
11N40SISO_Ant1_Low_5190



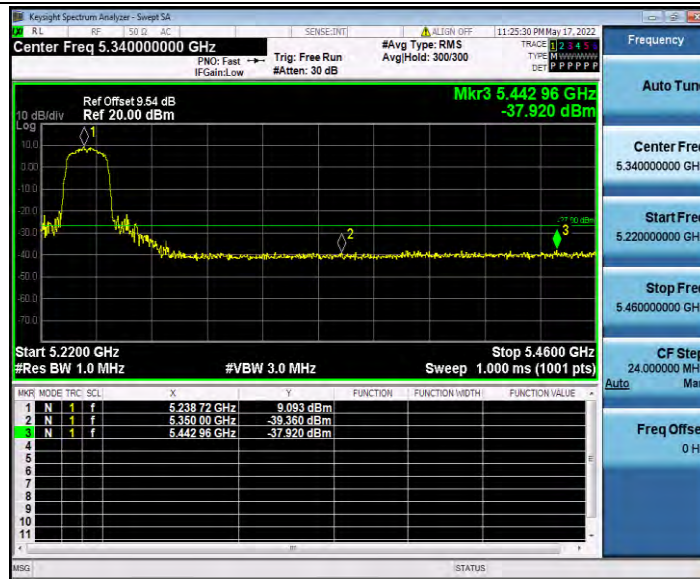
11N40SISO_Ant1_High_5230



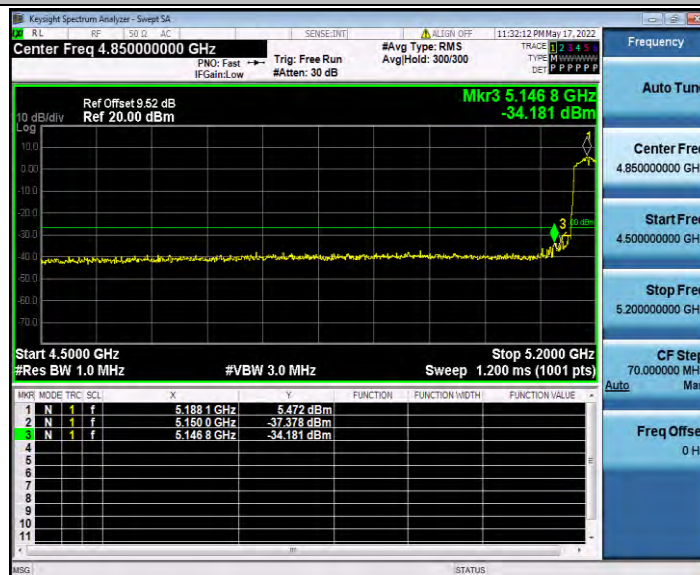
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



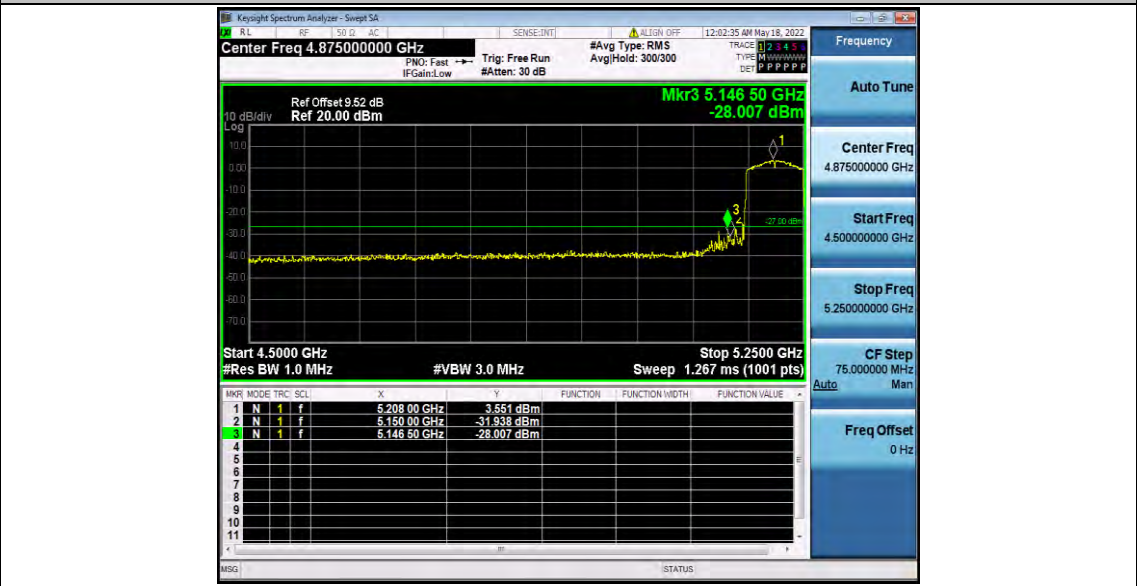
11AC40SISO_Ant1_Low_5190



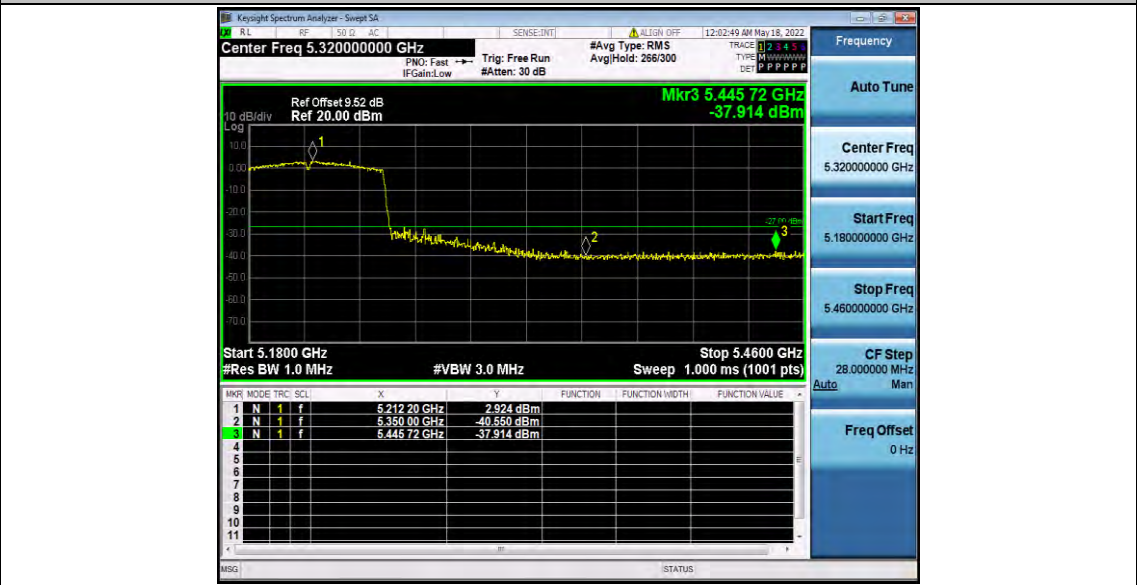
11AC40SISO_Ant1_High_5230



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	5049.89	-47.11	≤-27	PASS
			5360~40000	24786.95	-37.27	≤-27	PASS
		5200	30~5140	5021.28	-46.94	≤-27	PASS
			5360~40000	26825.44	-37.88	≤-27	PASS
		5240	30~5140	4939.18	-47.25	≤-27	PASS
			5360~40000	24286.34	-37.86	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	2837.43	-47.11	≤-27	PASS
			5360~40000	24356.31	-37.59	≤-27	PASS
		5200	30~5140	4952.12	-46.24	≤-27	PASS
			5360~40000	26519.59	-38.25	≤-27	PASS
		5240	30~5140	4949.74	-46.87	≤-27	PASS
			5360~40000	23513.8	-38.39	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5134.04	-40.54	≤-27	PASS
			5360~40000	26492.18	-38.42	≤-27	PASS
		5230	30~5140	5114.28	-46.82	≤-27	PASS
			5360~40000	26888.91	-38.03	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5138.13	-44.54	≤-27	PASS
			5360~40000	23533.27	-37.89	≤-27	PASS
		5200	30~5140	4954.17	-47.1	≤-27	PASS
			5360~40000	23602.52	-38.22	≤-27	PASS
		5240	30~5140	4815.17	-46.21	≤-27	PASS
			5360~40000	25573.92	-38.41	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5137.27	-38.86	≤-27	PASS
			5360~40000	26517.43	-37.08	≤-27	PASS
		5230	30~5140	4920.1	-46.64	≤-27	PASS
			5360~40000	24291.39	-37.61	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5128.76	-35.22	≤-27	PASS
			5360~40000	26871.6	-37.18	≤-27	PASS

Test Graphs

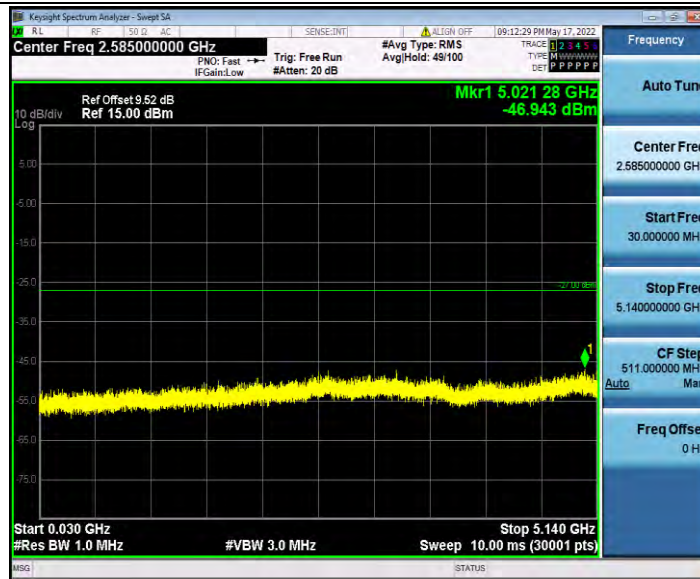
11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



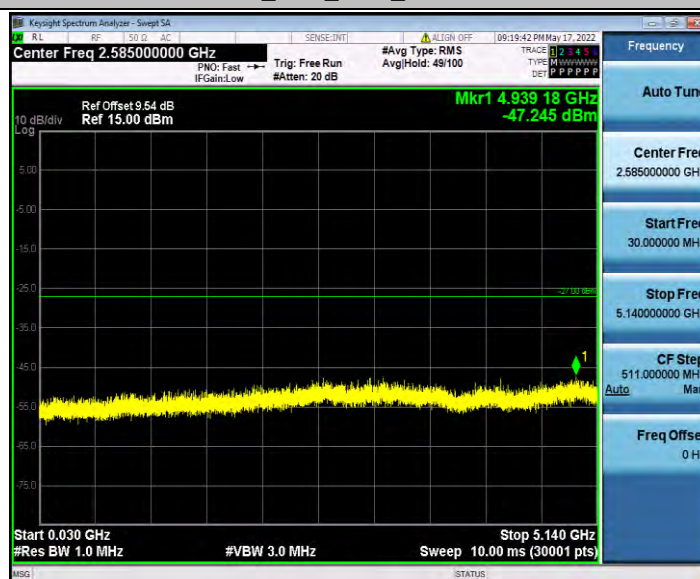
11A_Ant1_5200_30~5140



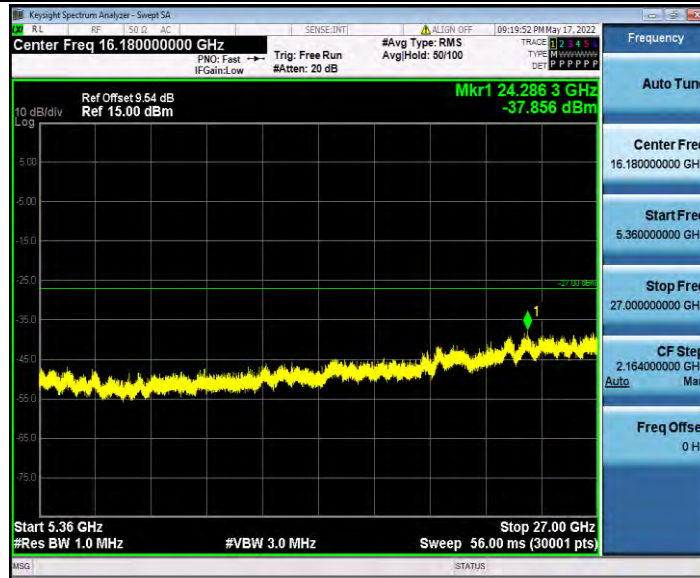
11A_Ant1_5200_5360~40000



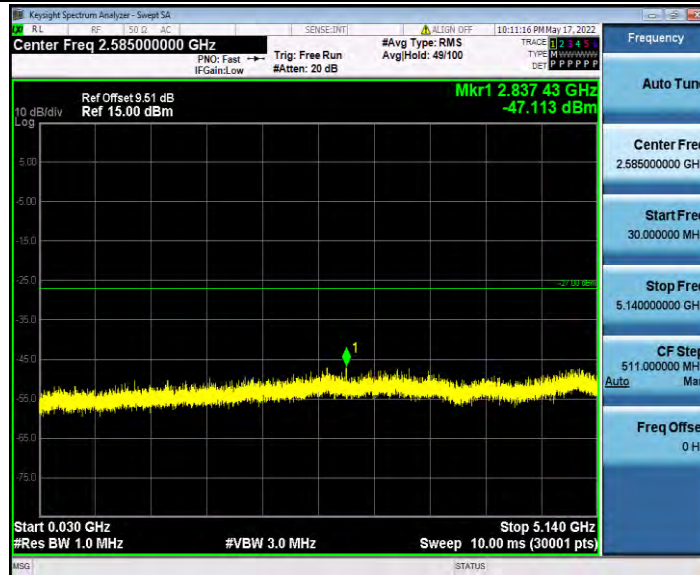
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



11N20SISO_Ant1_5180_30~5140



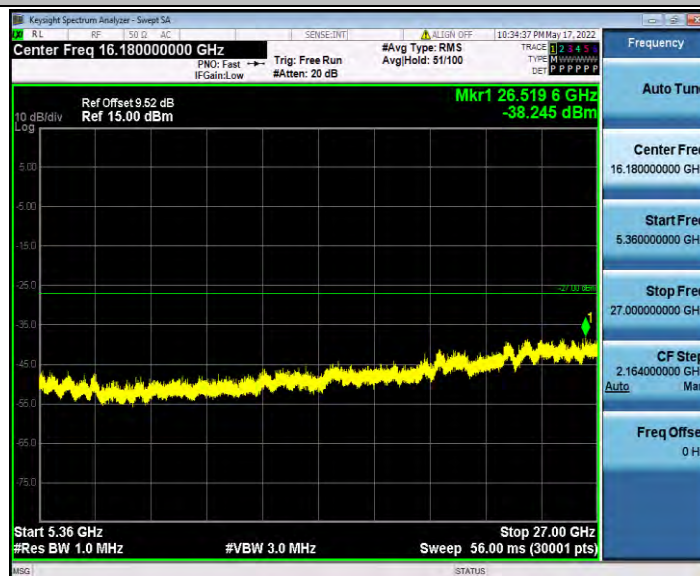
11N20SISO_Ant1_5180_5360~40000



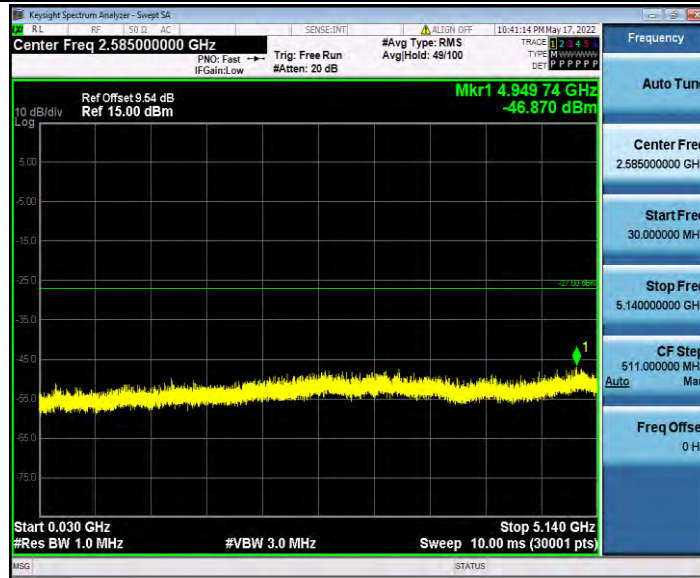
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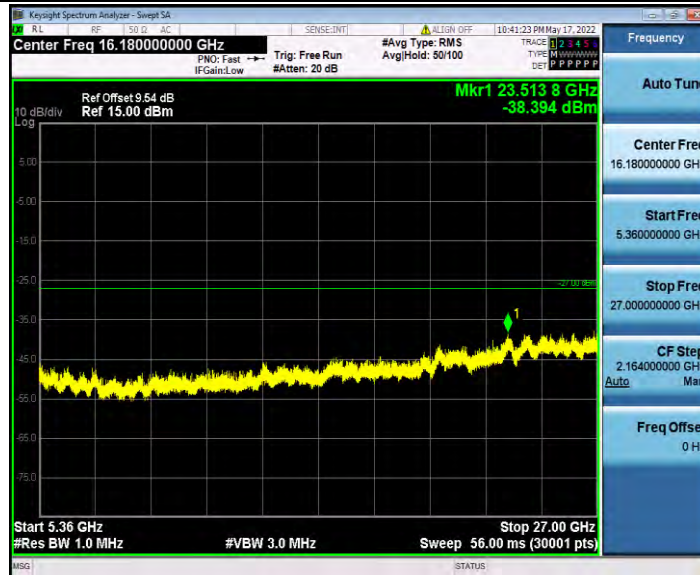
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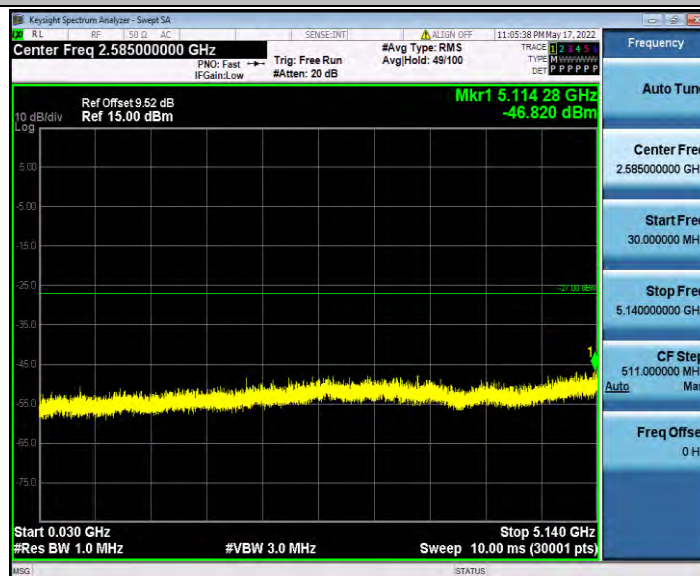
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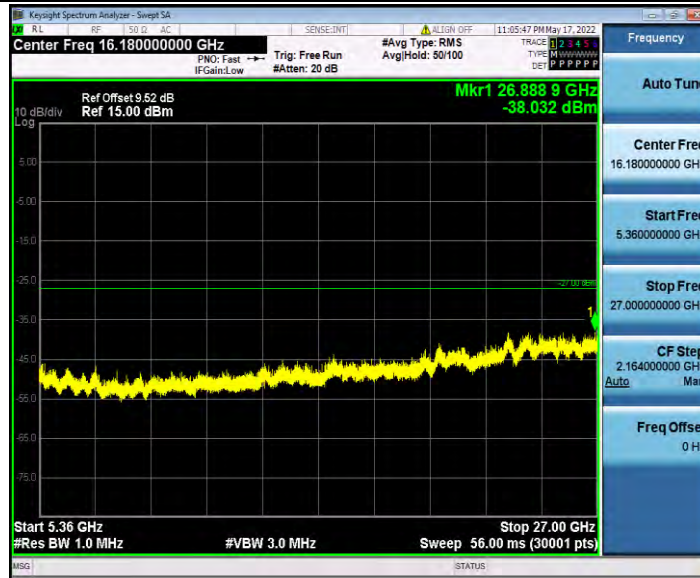
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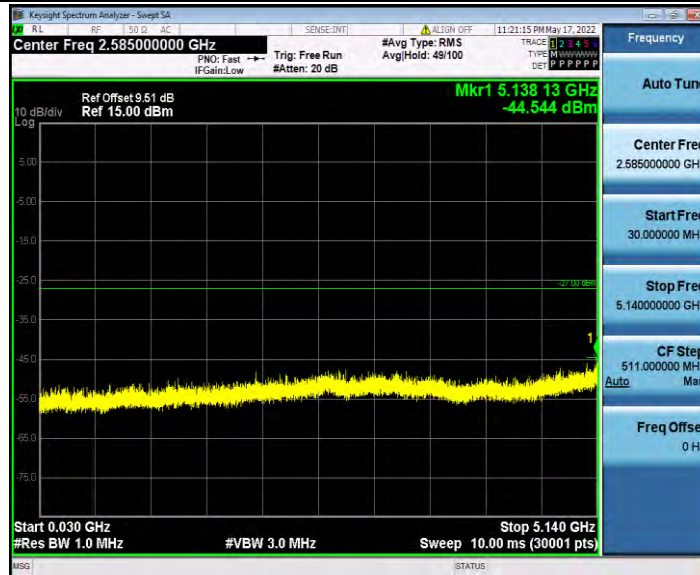
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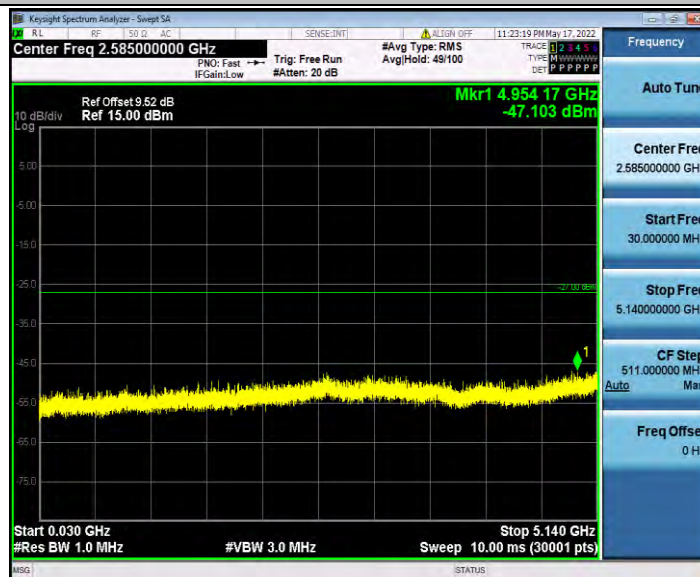
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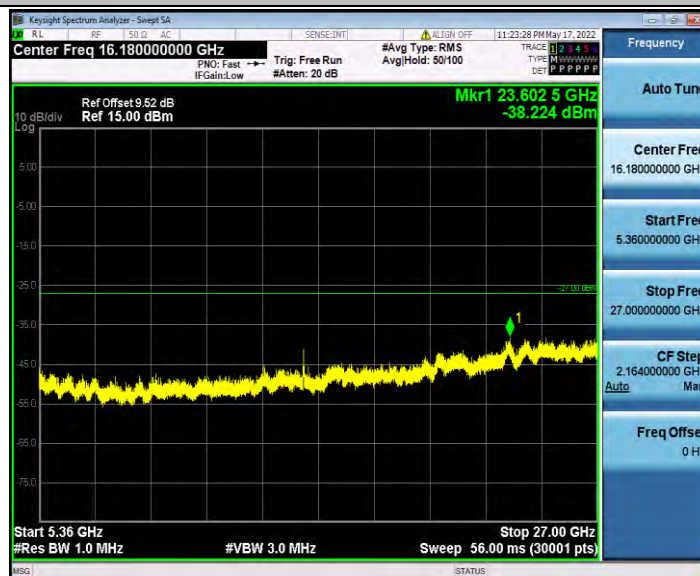
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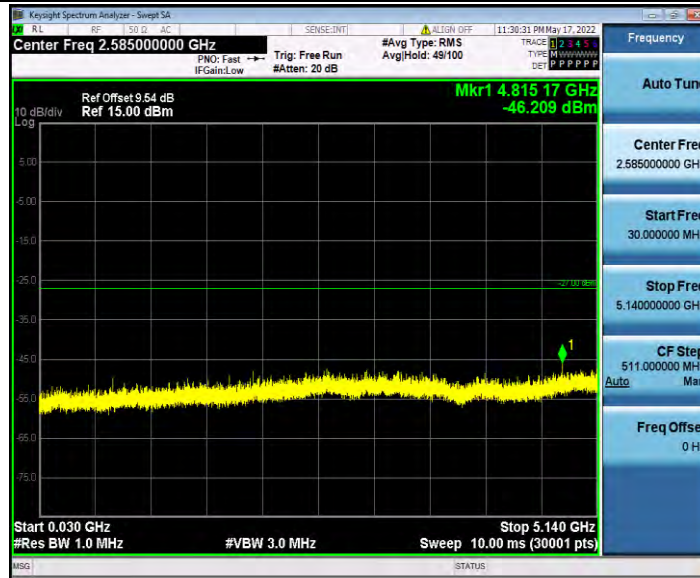
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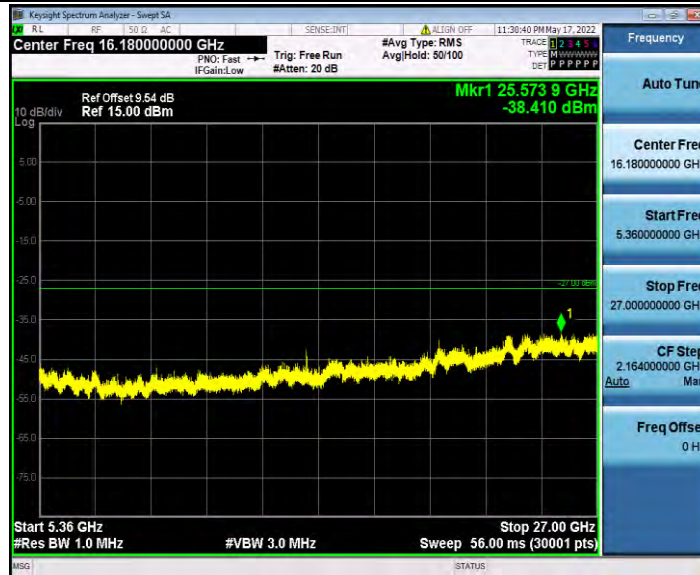
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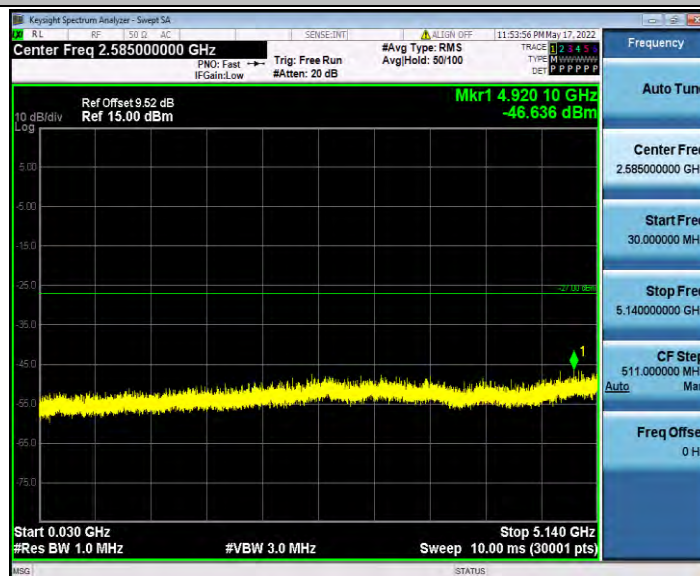
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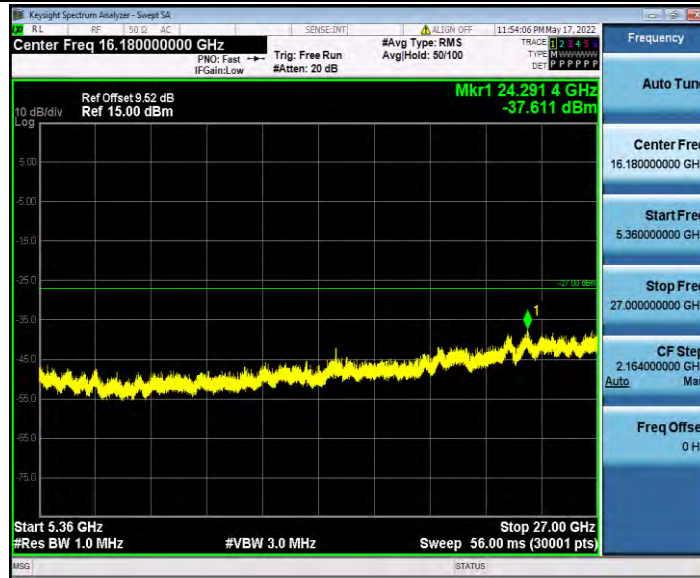
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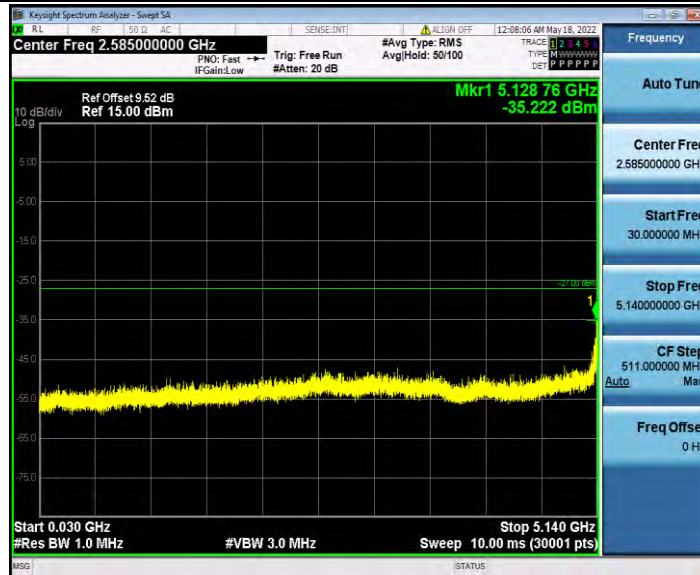
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

