

Case No. : GTS20221208007-1-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.29	Test Engineer: Jenny zeng

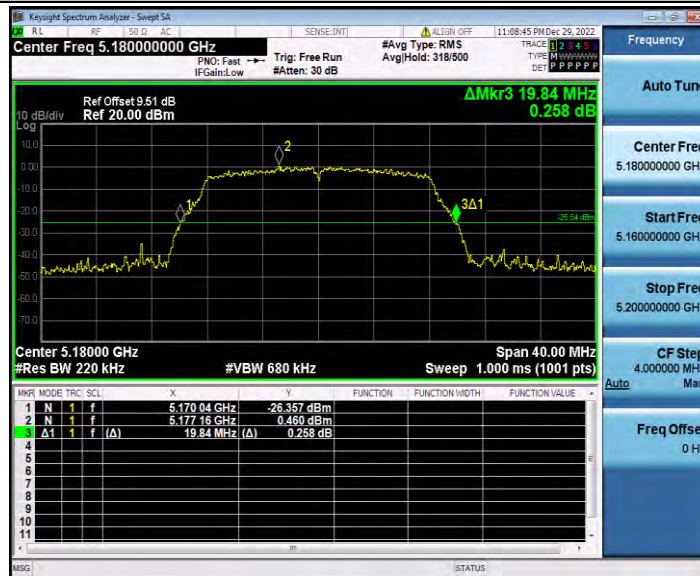
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.840	5170.040	5189.880	---	---
		5200	20.040	5190.080	5210.120	---	---
		5240	19.920	5229.960	5249.880	---	---
11N20SISO	Ant1	5180	20.160	5169.960	5190.120	---	---
		5200	20.320	5189.840	5210.160	---	---
		5240	20.320	5229.840	5250.160	---	---
11N40SISO	Ant1	5190	40.480	5169.760	5210.240	---	---
		5230	40.240	5210.000	5250.240	---	---
11AC20SISO	Ant1	5180	20.280	5169.960	5190.240	---	---
		5200	20.160	5189.920	5210.080	---	---
		5240	20.400	5229.800	5250.200	---	---
11AC40SISO	Ant1	5190	40.240	5169.920	5210.160	---	---
		5230	40.080	5210.000	5250.080	---	---
11AC80SISO	Ant1	5210	81.120	5169.360	5250.480	---	---

Test Graphs

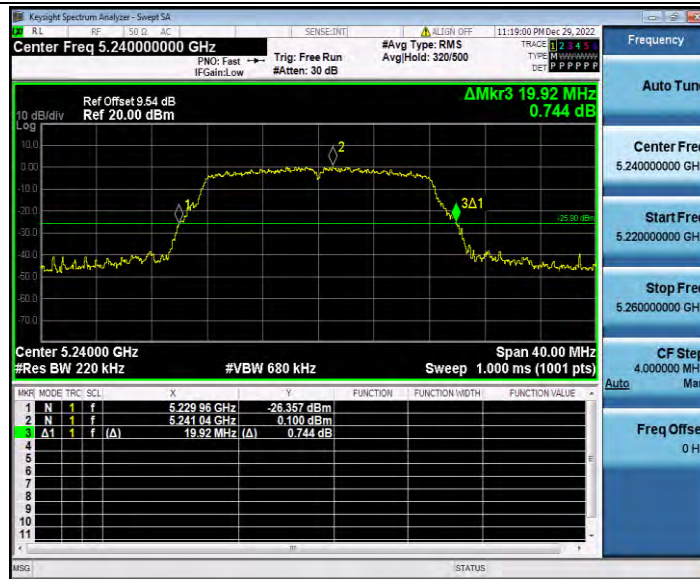
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



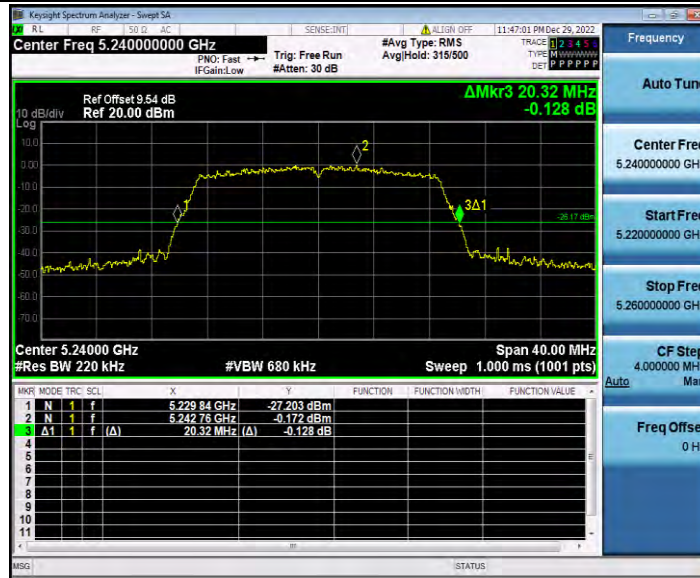
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



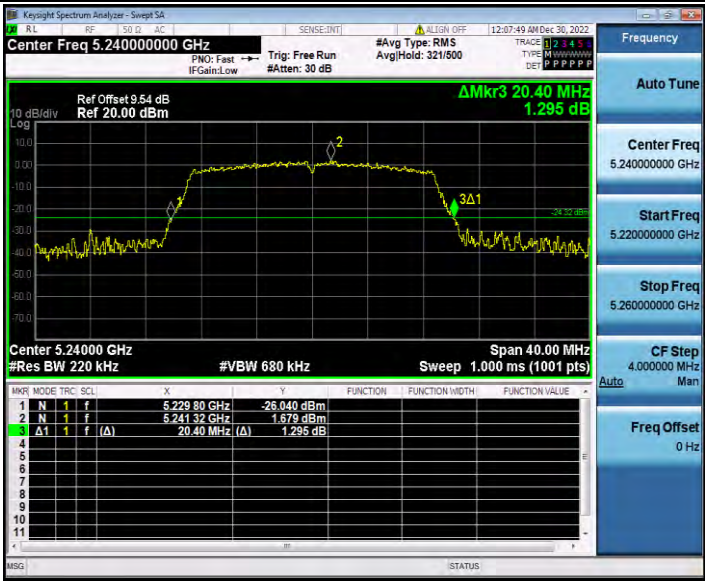
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



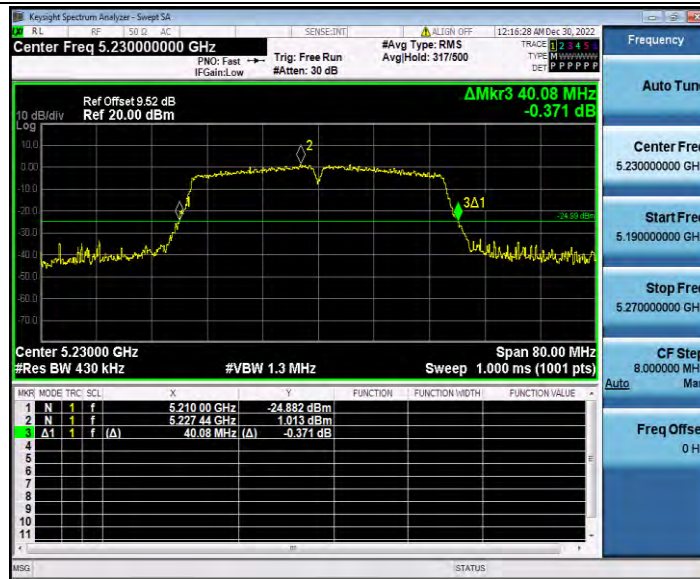
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



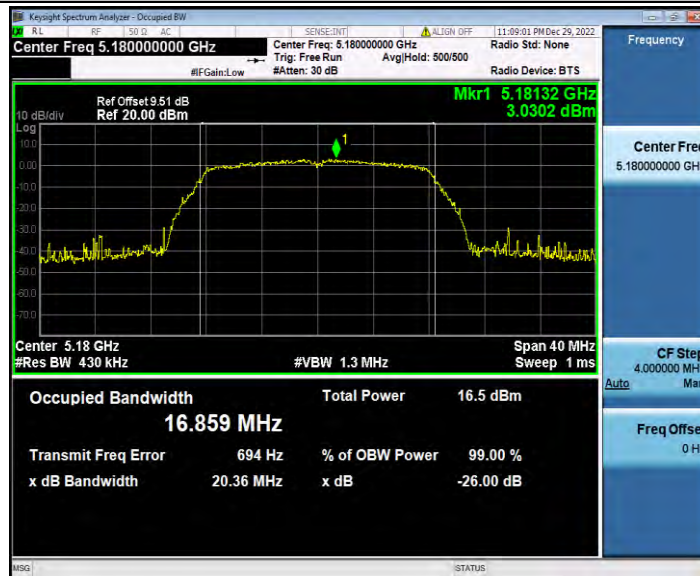
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.859	5171.571	5188.430	---	---
		5200	16.847	5191.622	5208.469	---	---
		5240	16.945	5231.507	5248.452	---	---
11N20SISO	Ant1	5180	17.823	5171.103	5188.926	---	---
		5200	17.843	5191.075	5208.918	---	---
		5240	17.886	5231.025	5248.911	---	---
11N40SISO	Ant1	5190	36.268	5171.885	5208.153	---	---
		5230	36.198	5211.924	5248.122	---	---
11AC20SISO	Ant1	5180	17.838	5171.090	5188.928	---	---
		5200	17.847	5191.082	5208.929	---	---
		5240	17.869	5231.090	5248.959	---	---
11AC40SISO	Ant1	5190	36.236	5171.973	5208.209	---	---
		5230	36.224	5211.927	5248.151	---	---
11AC80SISO	Ant1	5210	75.250	5172.516	5247.766	---	---

Test Graphs

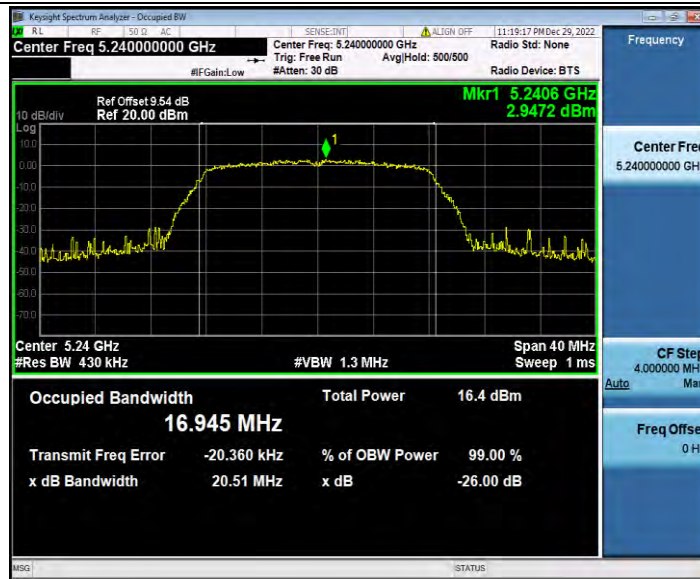
11A_Ant1_5180



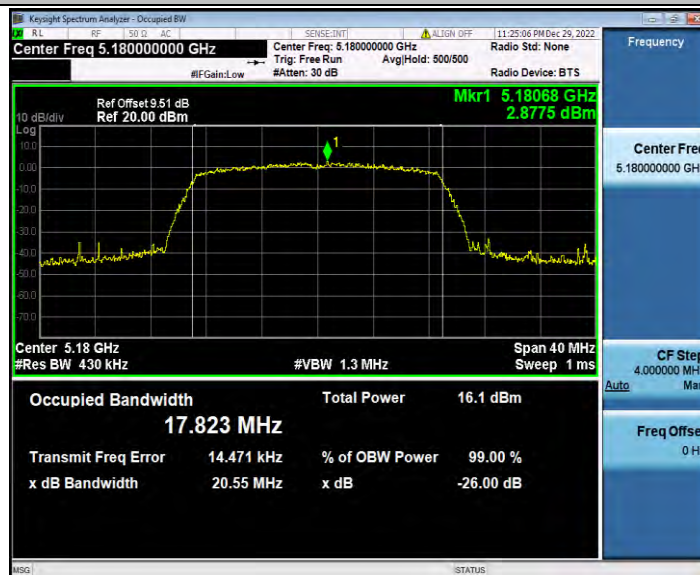
11A_Ant1_5200



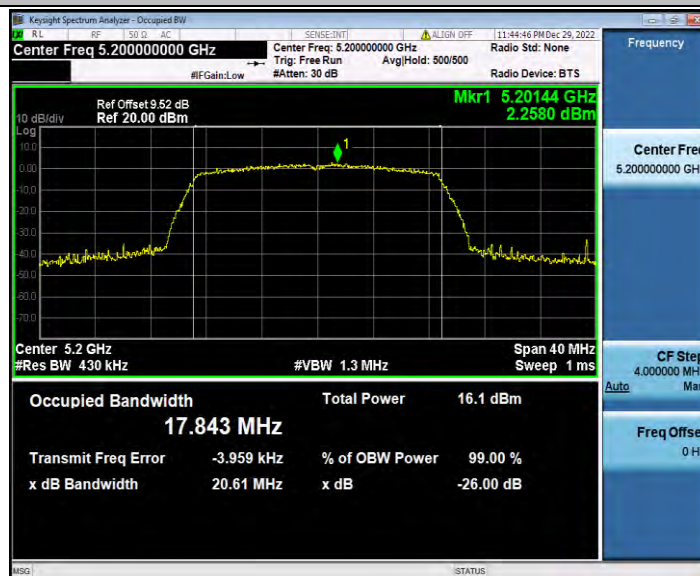
11A_Ant1_5240



11N20SISO_Ant1_5180



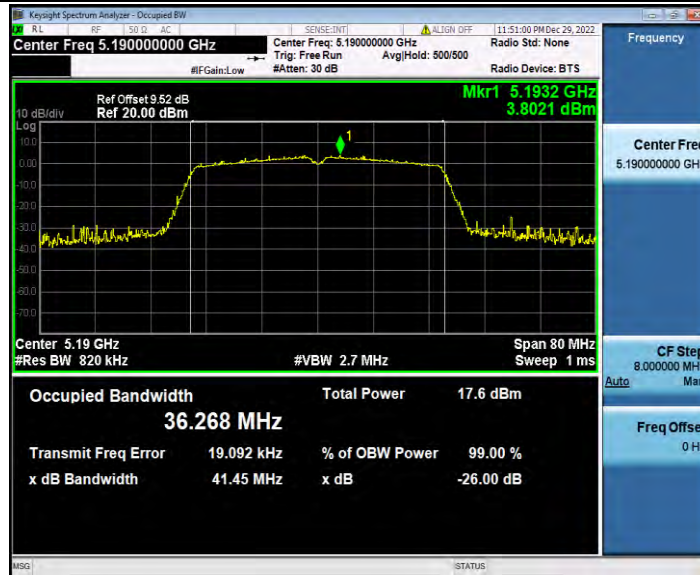
11N20SISO_Ant1_5200



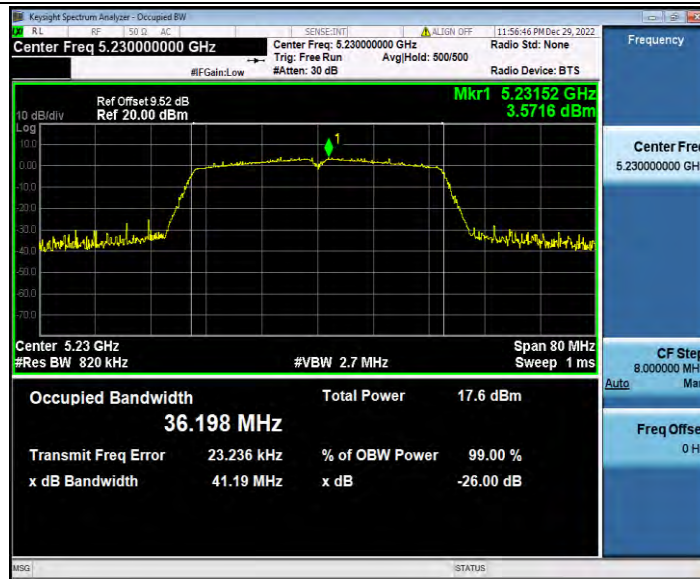
11N20SISO_Ant1_5240



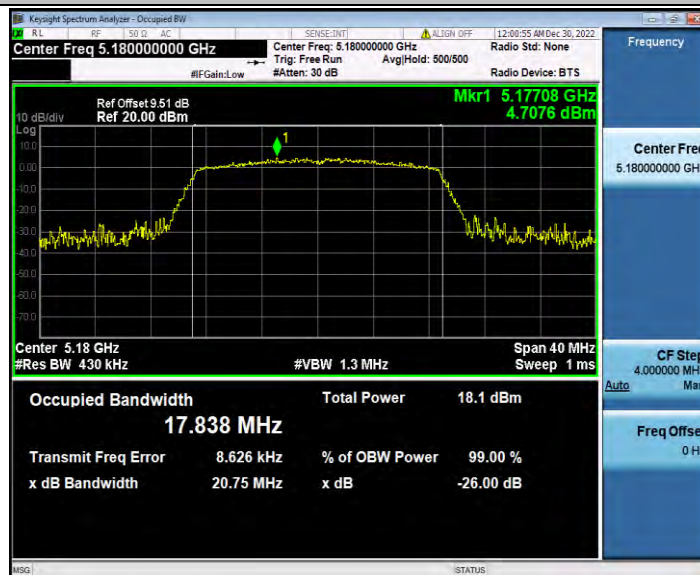
11N40SISO_Ant1_5190



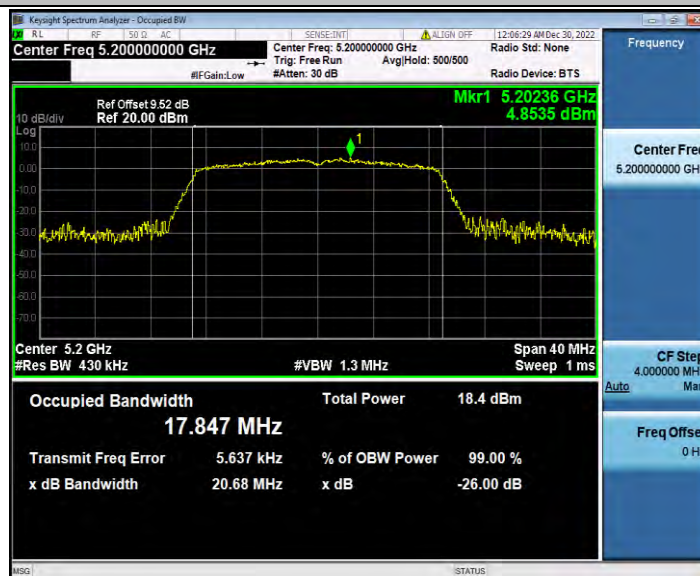
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



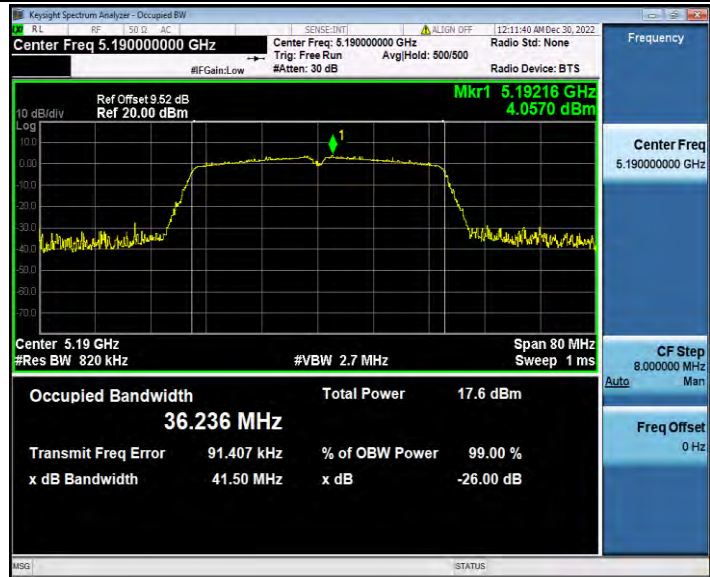
11AC20SISO_Ant1_5200



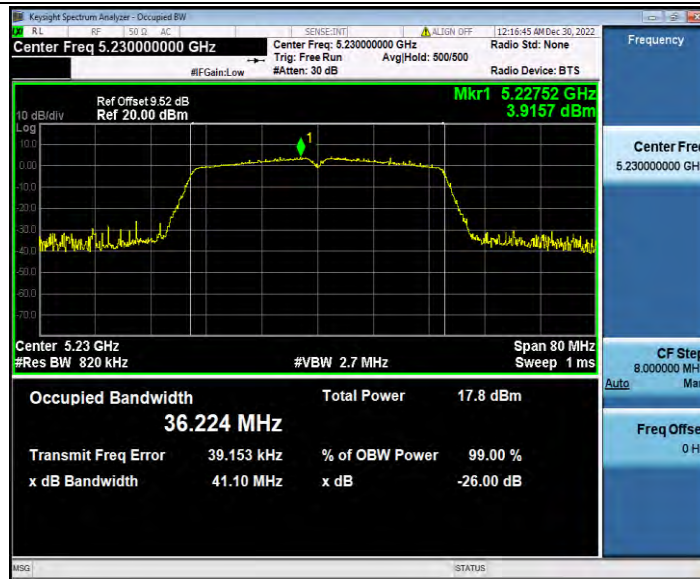
11AC20SISO_Ant1_5240



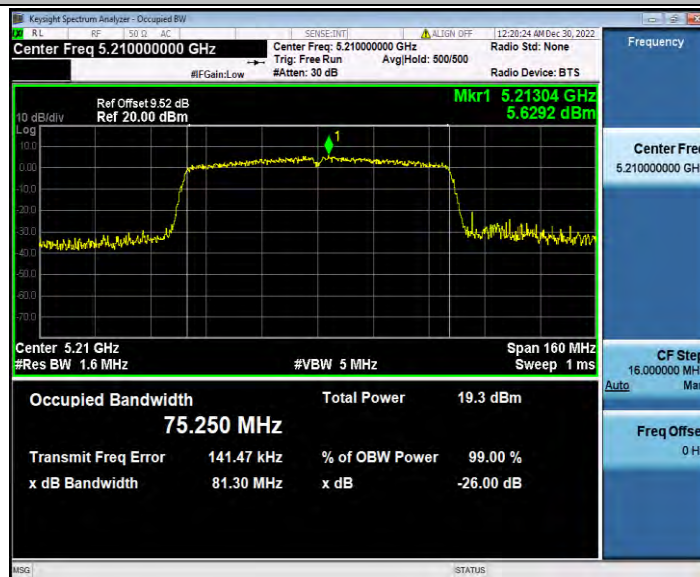
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



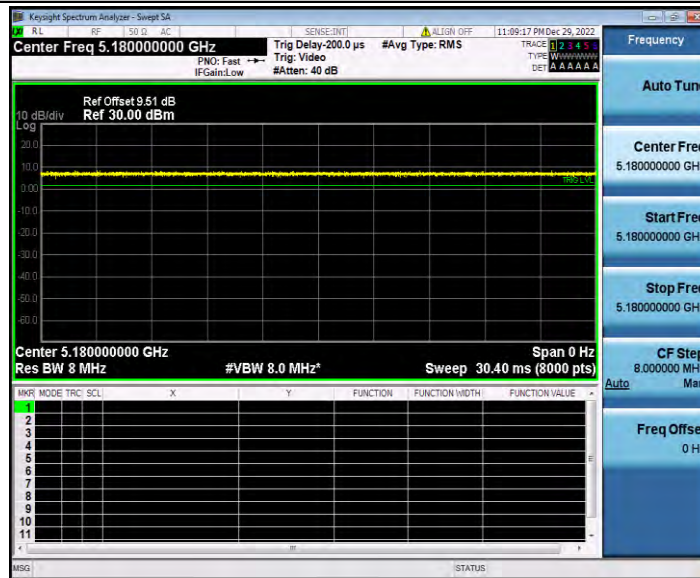
Appendix D.3: Duty Cycle

Test Result

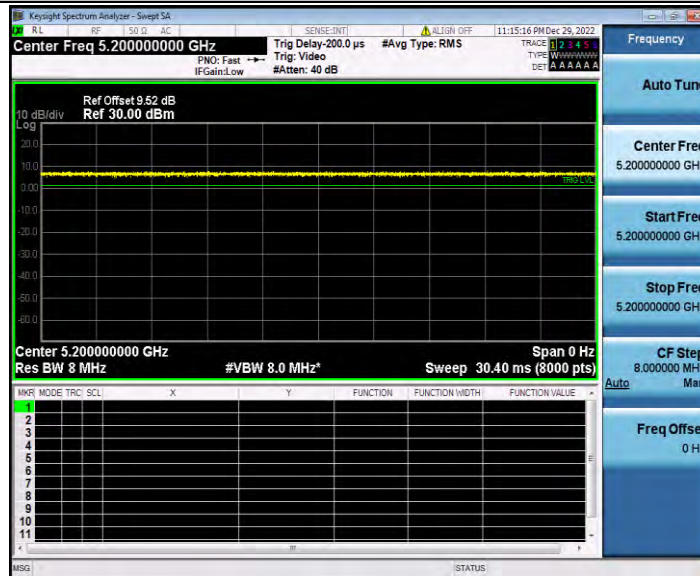
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11N20SISO	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11N40SISO	Ant1	5190	30.00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

Test Graphs

11A_Ant1_5180

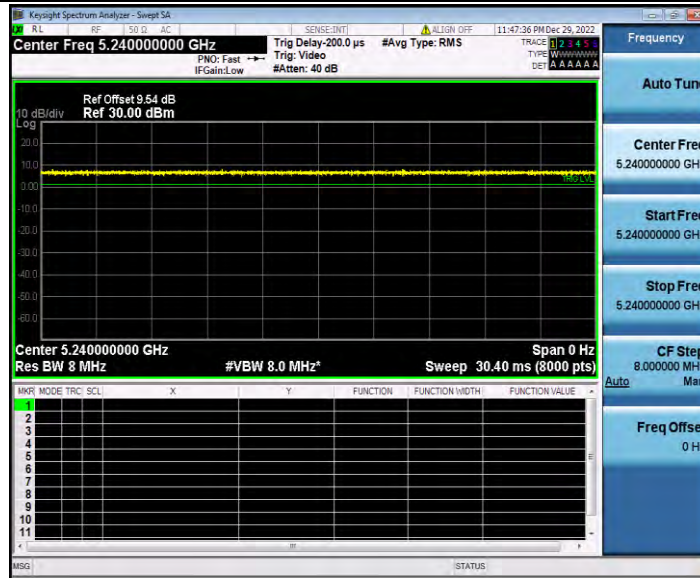


11A_Ant1_5200

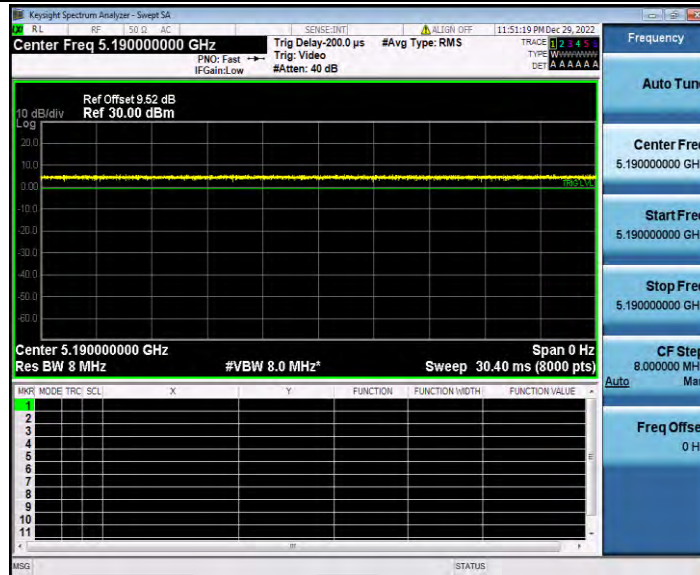


11A_Ant1_5240

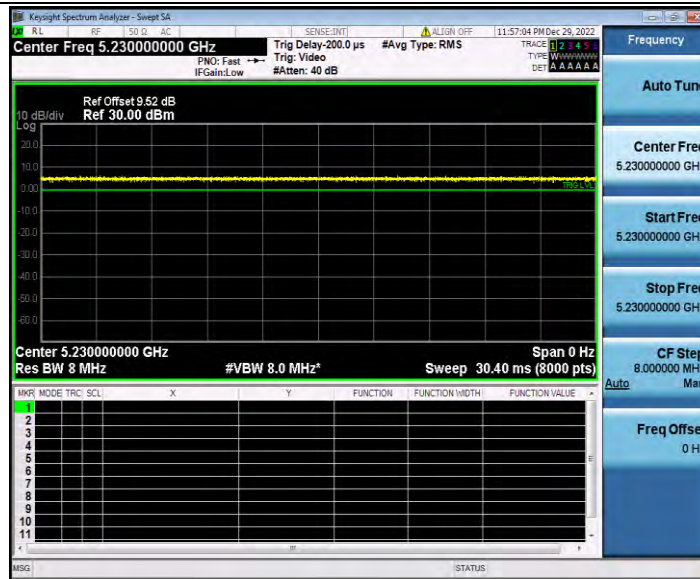
11N20SISO_Ant1_5240



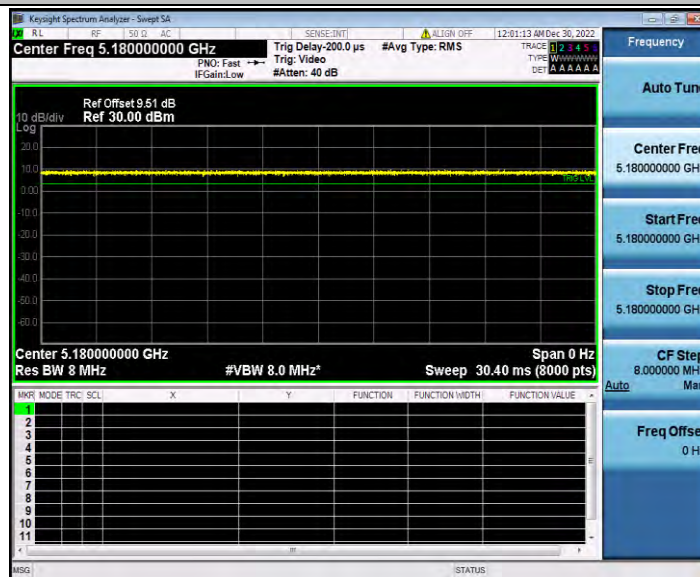
11N40SISO_Ant1_5190



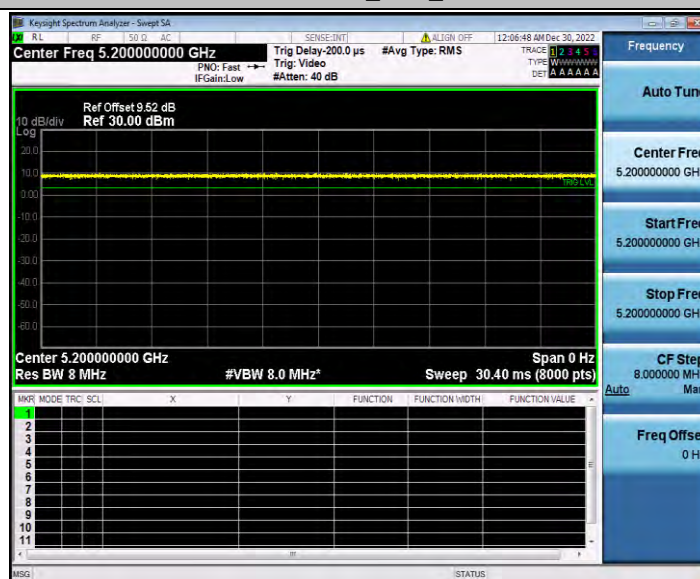
11N40SISO_Ant1_5230



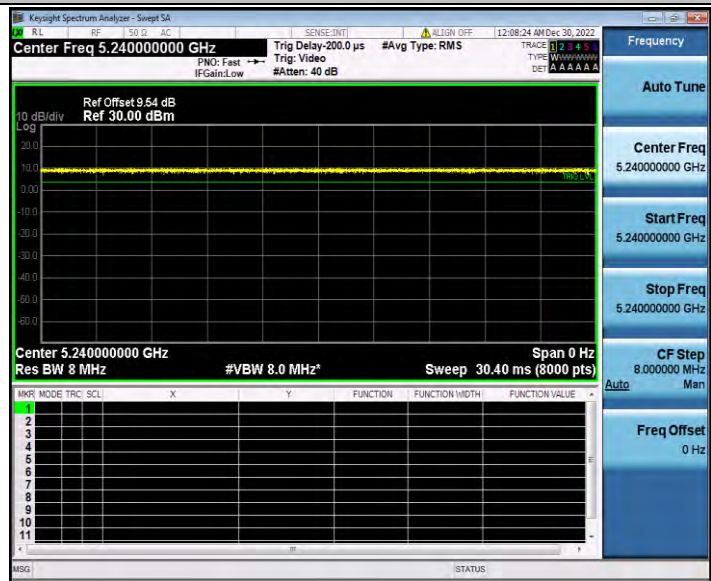
11AC20SISO_Ant1_5180



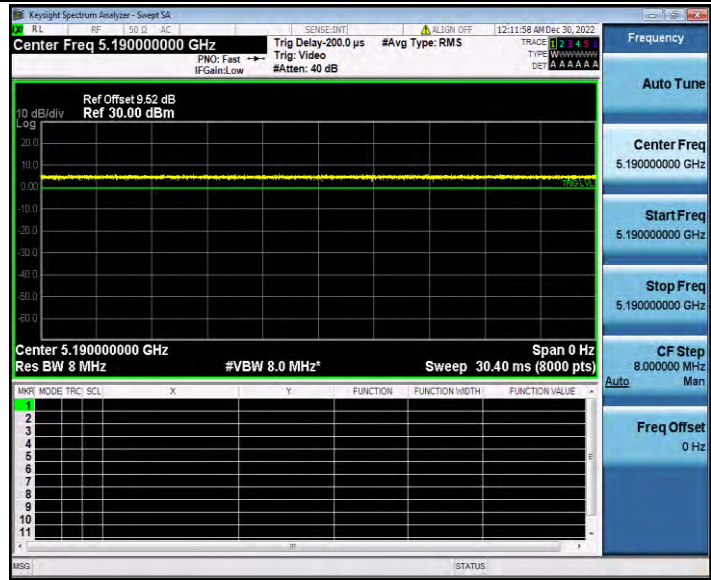
11AC20SISO_Ant1_5200



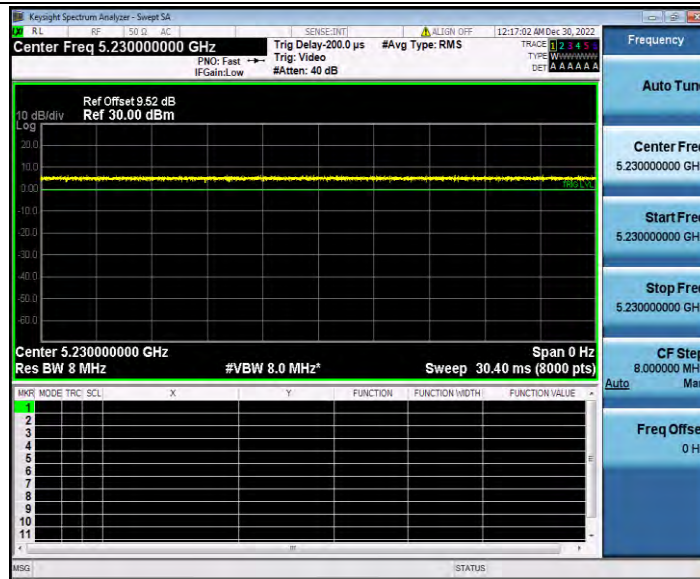
11AC20SISO_Ant1_5240



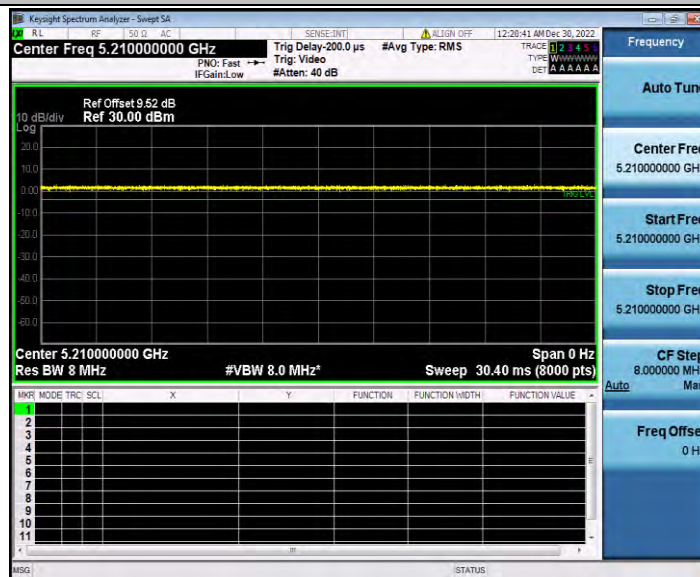
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	9.63	100.00	0.00	9.63	≤23.98	PASS
		5200	9.21	100.00	0.00	9.21	≤23.98	PASS
		5240	9.55	100.00	0.00	9.55	≤23.98	PASS
11N20SISO	Ant1	5180	9.19	100.00	0.00	9.19	≤23.98	PASS
		5200	9.32	100.00	0.00	9.32	≤23.98	PASS
		5240	9.33	100.00	0.00	9.33	≤23.98	PASS
11N40SISO	Ant1	5190	10.16	100.00	0.00	10.16	≤23.98	PASS
		5230	10.23	100.00	0.00	10.23	≤23.98	PASS
11AC20SISO	Ant1	5180	11.26	100.00	0.00	11.26	≤23.98	PASS
		5200	11.60	100.00	0.00	11.60	≤23.98	PASS
		5240	11.66	100.00	0.00	11.66	≤23.98	PASS
11AC40SISO	Ant1	5190	10.24	100.00	0.00	10.24	≤23.98	PASS
		5230	10.42	100.00	0.00	10.42	≤23.98	PASS
11AC80SISO	Ant1	5210	10.26	100.00	0.00	10.26	≤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	-1.09	≤11.00	PASS
		5200	-1.46	≤11.00	PASS
		5240	-1.01	≤11.00	PASS
11N20SISO	Ant1	5180	-1.68	≤11.00	PASS
		5200	-1.63	≤11.00	PASS
		5240	-1.53	≤11.00	PASS
11N40SISO	Ant1	5190	-3.44	≤11.00	PASS
		5230	-3.28	≤11.00	PASS
11AC20SISO	Ant1	5180	0.28	≤11.00	PASS
		5200	0.68	≤11.00	PASS
		5240	0.83	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.37	≤11.00	PASS
		5230	-3.06	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.48	≤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



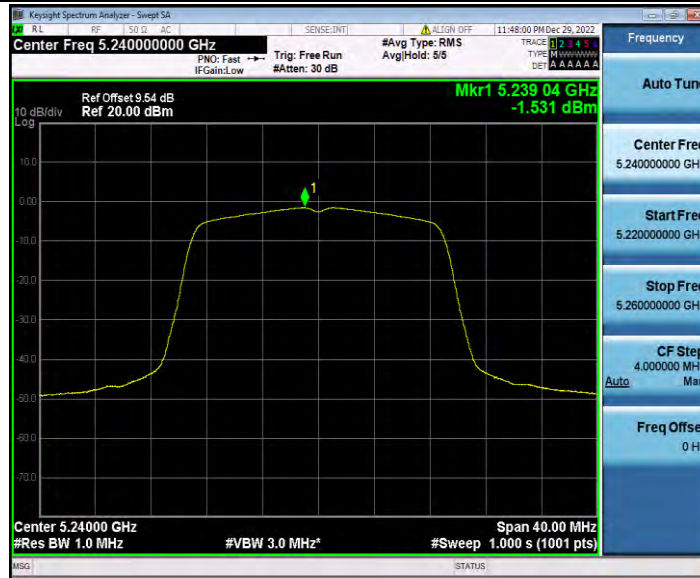
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



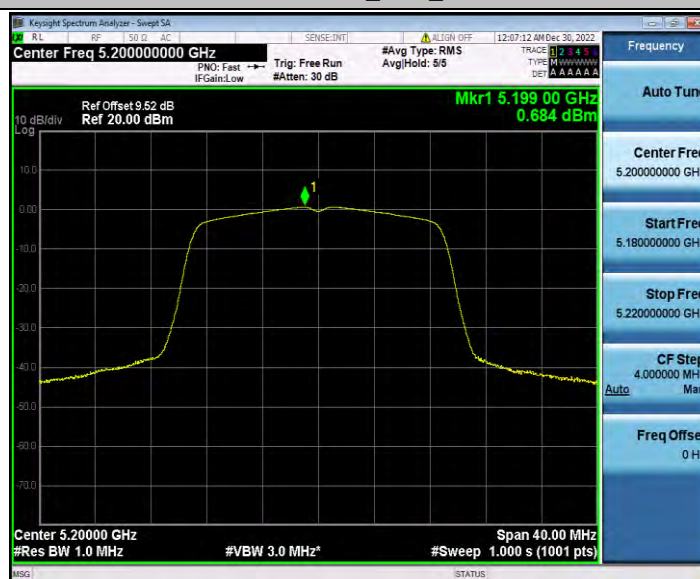
11N40SISO_Ant1_5230



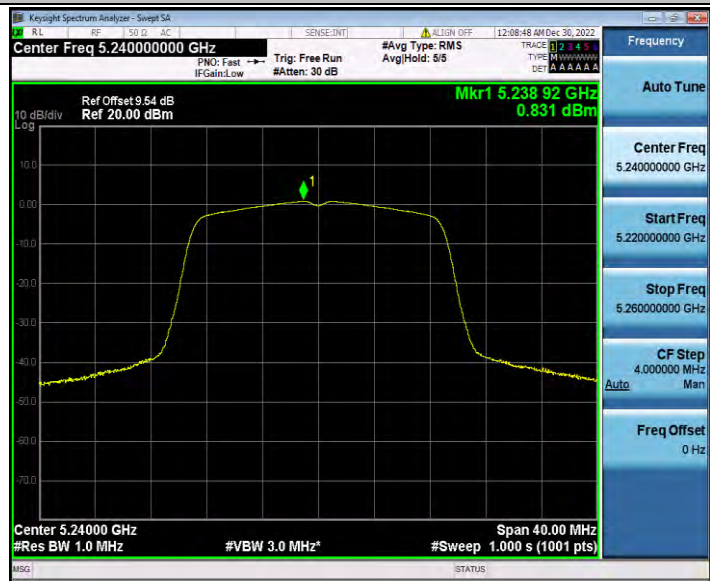
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



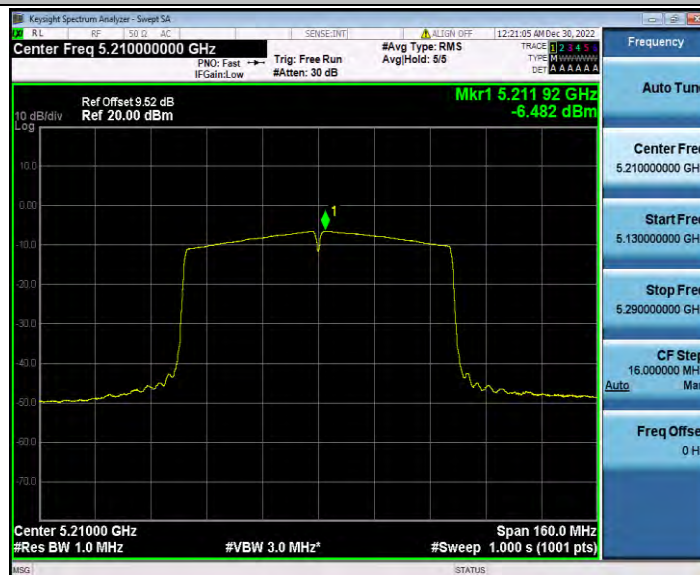
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



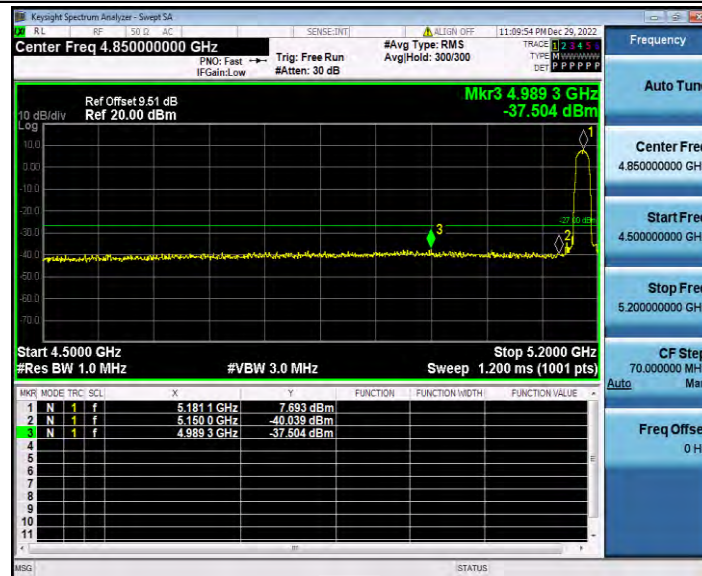
Appendix D.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.5	≤-27	PASS
		High	5240	-37.94	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.87	≤-27	PASS
		High	5240	-38.33	≤-27	PASS
11N40SISO	Ant1	Low	5190	-34.01	≤-27	PASS
		High	5230	-37.63	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-35.09	≤-27	PASS
		High	5240	-37.74	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-35.06	≤-27	PASS
		High	5230	-38.47	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-30.02	≤-27	PASS
		High	5210	-38.31	≤-27	PASS

Test Graphs B1/2/3

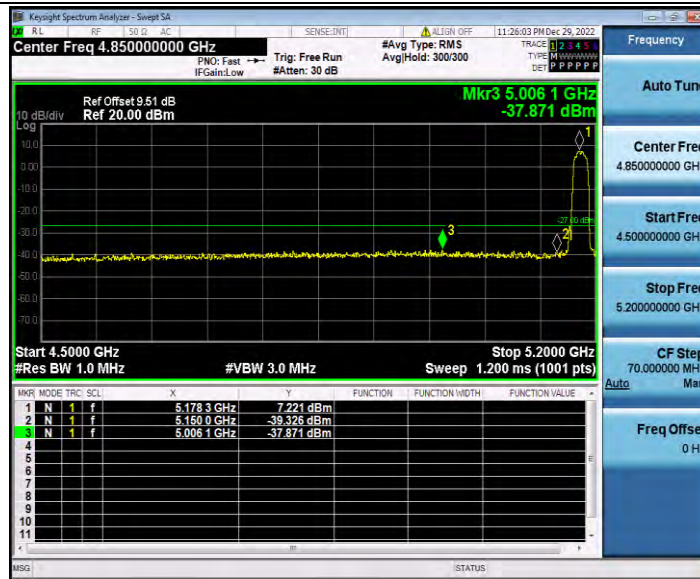
11A_Ant1_Low_5180



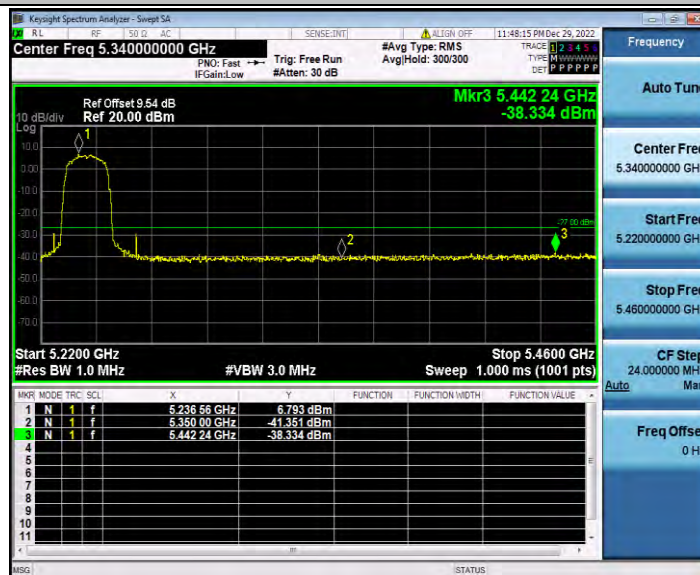
11A_Ant1_High_5240



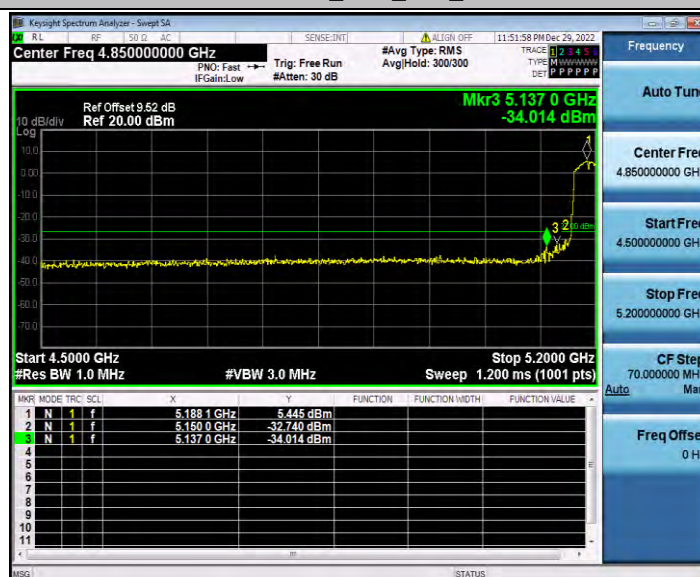
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



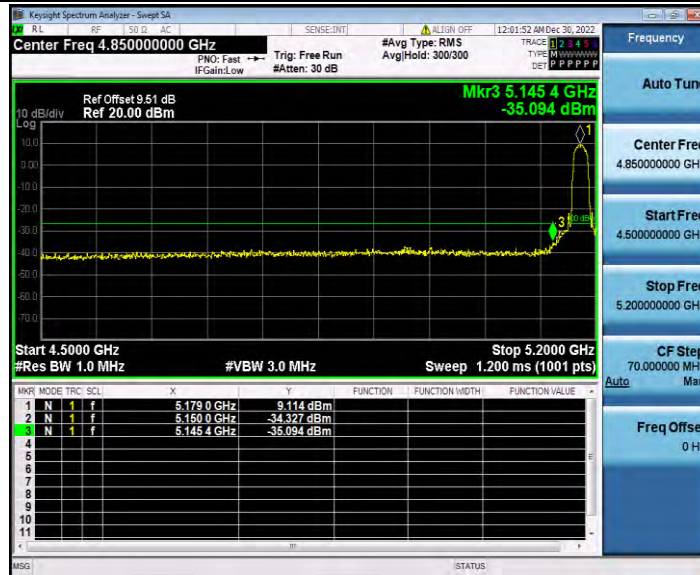
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



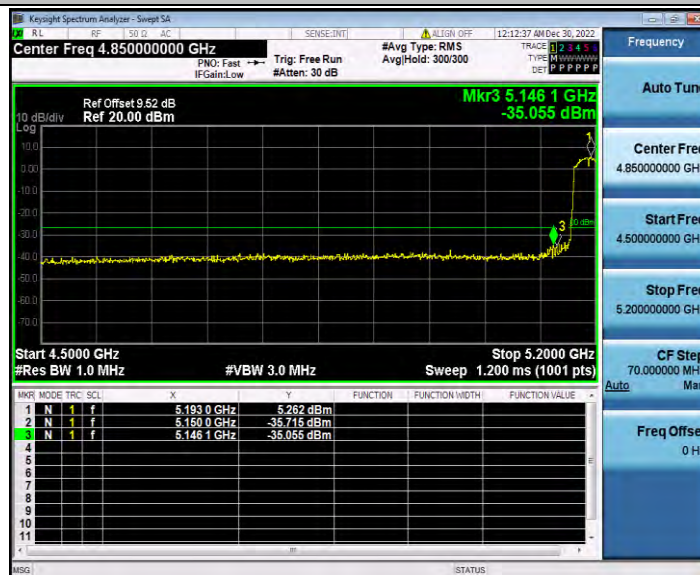
11AC20SISO_Ant1_Low_5180



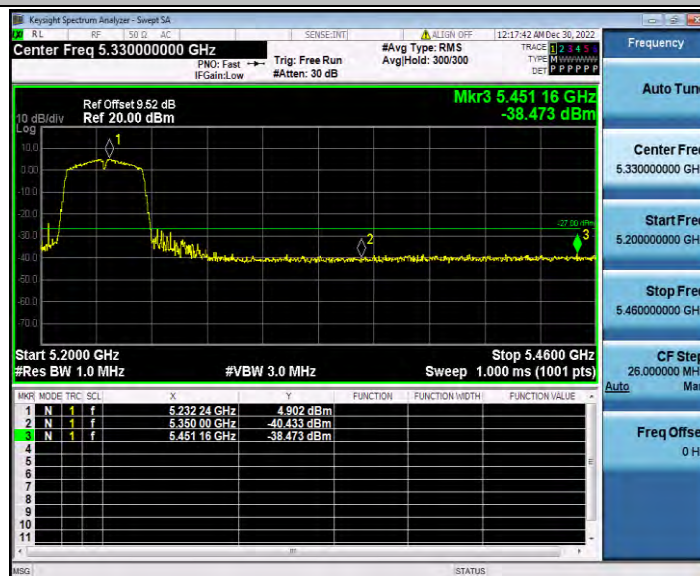
11AC20SISO_Ant1_High_5240



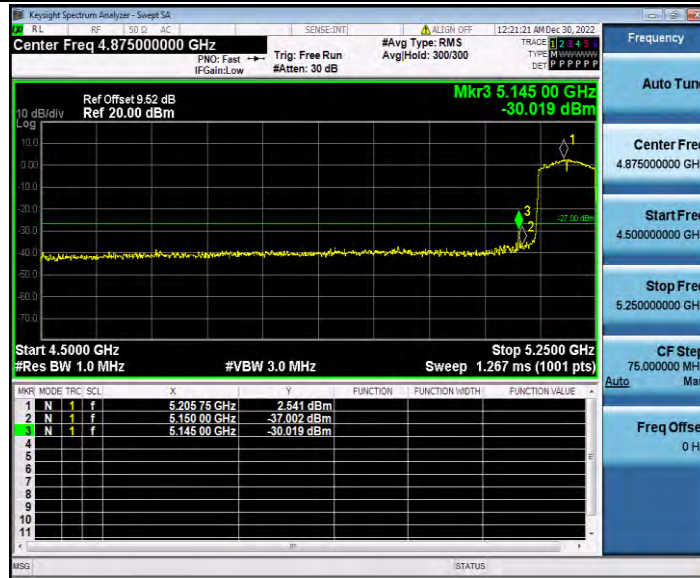
11AC40SISO_Ant1_Low_5190



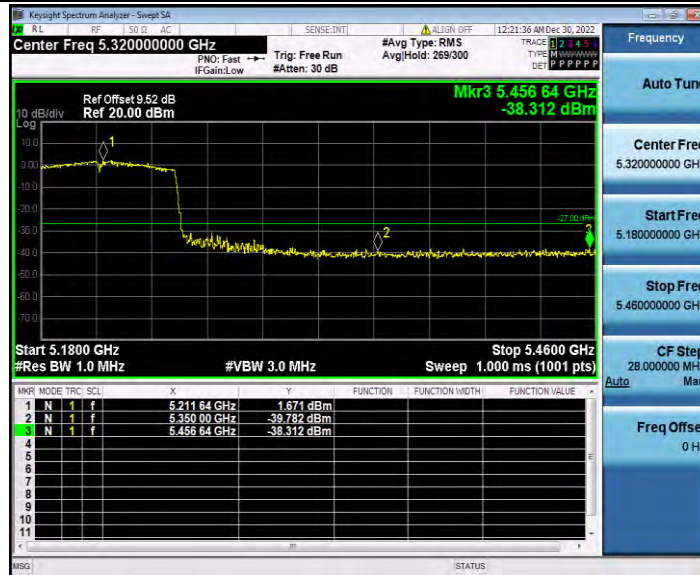
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix D.7: Conducted Spurious Emission

Test Result

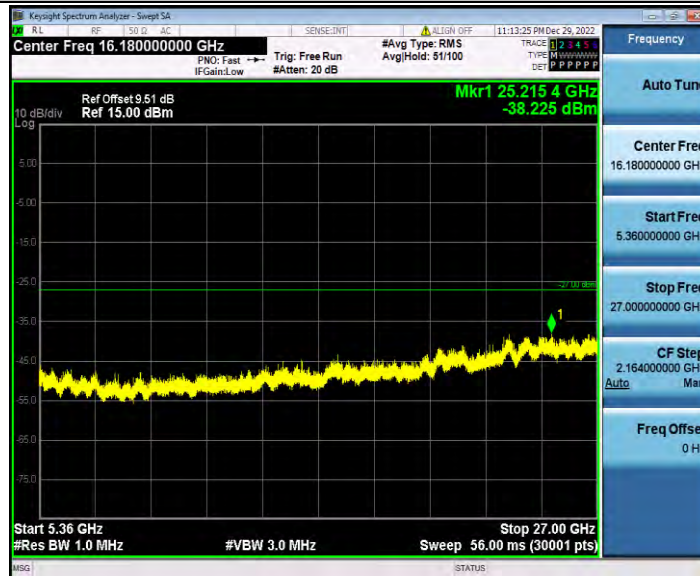
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5043.93	-47.25	≤-27	PASS
			5360~40000	25215.42	-38.23	≤-27	PASS
		5200	30~5140	5125.01	-47.01	≤-27	PASS
			5360~40000	24237.29	-37.99	≤-27	PASS
		5240	30~5140	2653.3	-47.33	≤-27	PASS
			5360~40000	24822.29	-37.64	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5021.62	-45.88	≤-27	PASS
			5360~40000	26956	-37.72	≤-27	PASS
		5200	30~5140	4925.04	-46.93	≤-27	PASS
			5360~40000	24311.59	-37.56	≤-27	PASS
		5240	30~5140	1754.11	-33.69	≤-27	PASS
			5360~40000	24274.8	-37.68	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	1759.56	-37.13	≤-27	PASS
			5360~40000	24184.64	-37.78	≤-27	PASS
		5230	30~5140	1753.77	-41.55	≤-27	PASS
			5360~40000	26878.82	-38.22	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	1753.43	-32.23	≤-27	PASS
			5360~40000	24265.43	-37.86	≤-27	PASS
		5200	30~5140	1754.45	-35.76	≤-27	PASS
			5360~40000	24821.57	-38.23	≤-27	PASS
		5240	30~5140	1763.99	-39.68	≤-27	PASS
			5360~40000	24842.49	-38.41	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	1753.94	-34.74	≤-27	PASS
			5360~40000	26679.73	-37.76	≤-27	PASS
		5230	30~5140	1756.33	-36.41	≤-27	PASS
			5360~40000	25246.44	-38.42	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	1755.65	-35.58	≤-27	PASS
			5360~40000	24245.23	-37.95	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



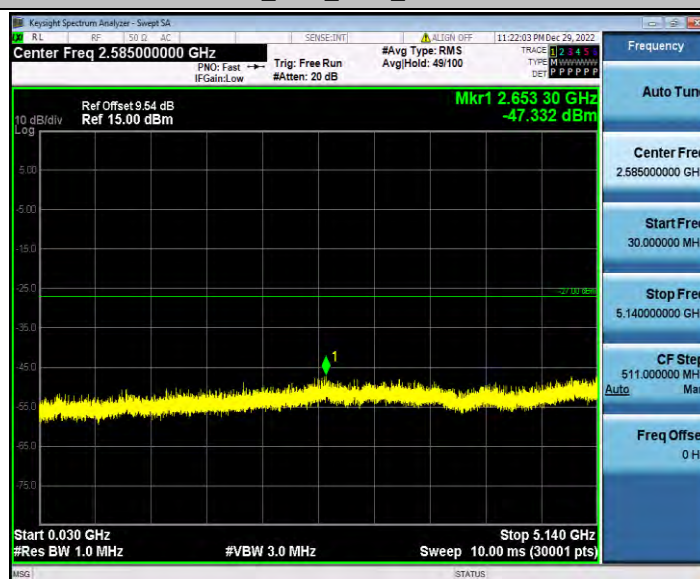
11A_Ant1_5200_30~5140



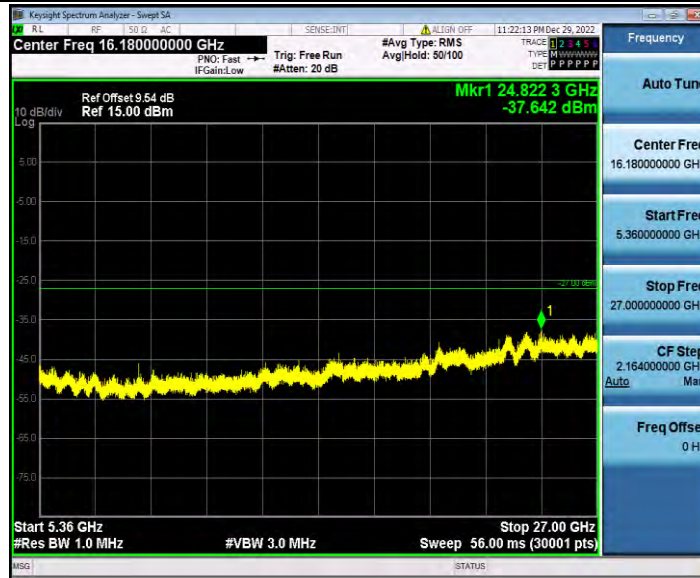
11A_Ant1_5200_5360~40000



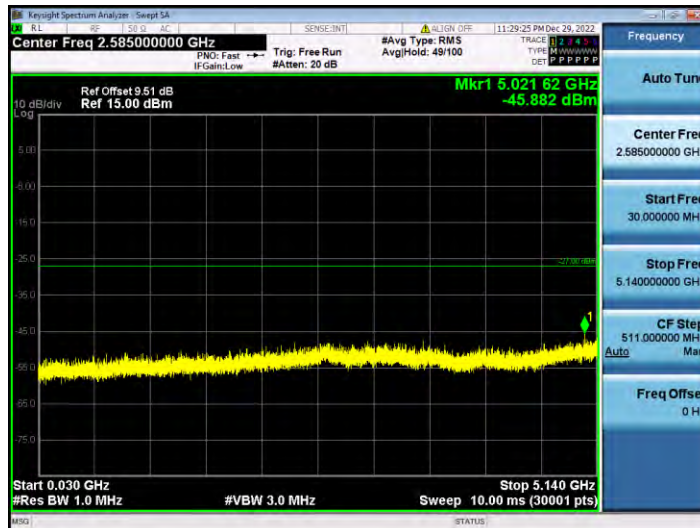
11A_Ant1_5240_30~5140



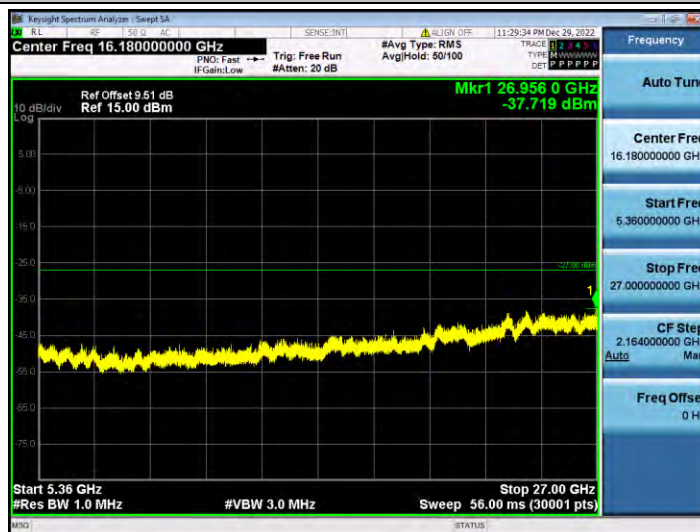
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11N20SISO_Ant1_5180_30~5140



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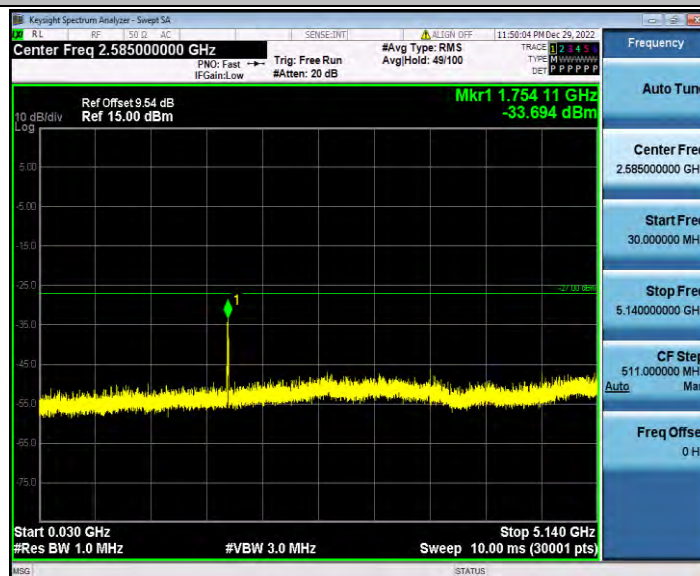
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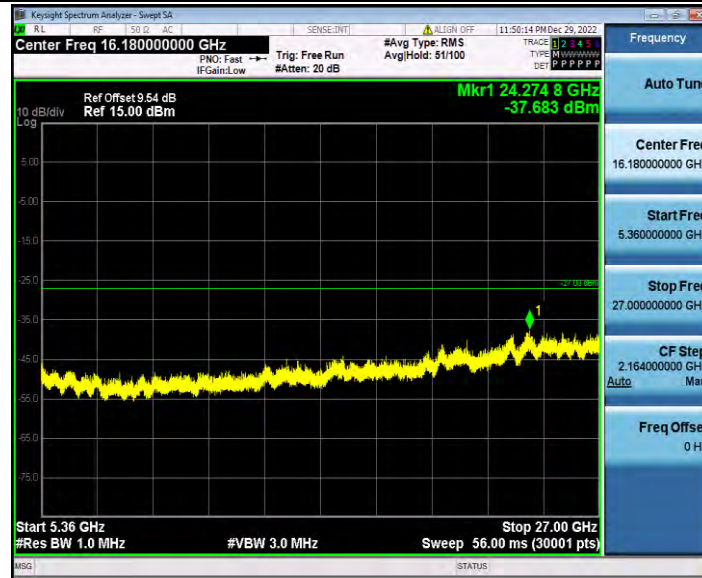
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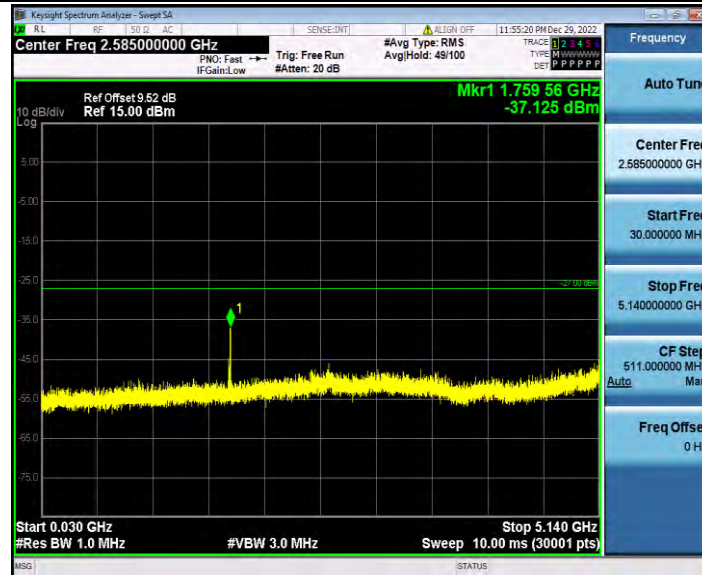
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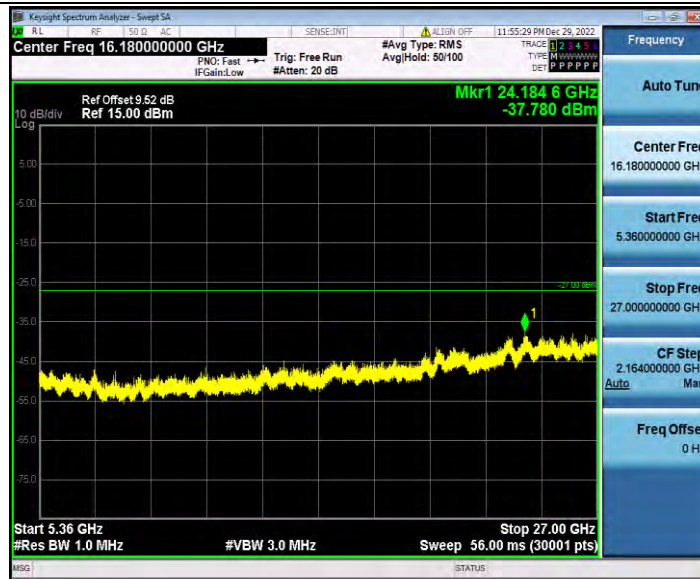
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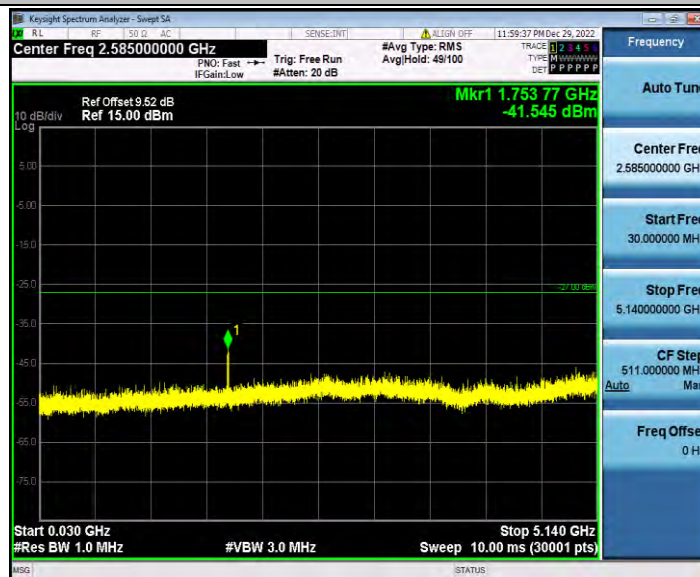
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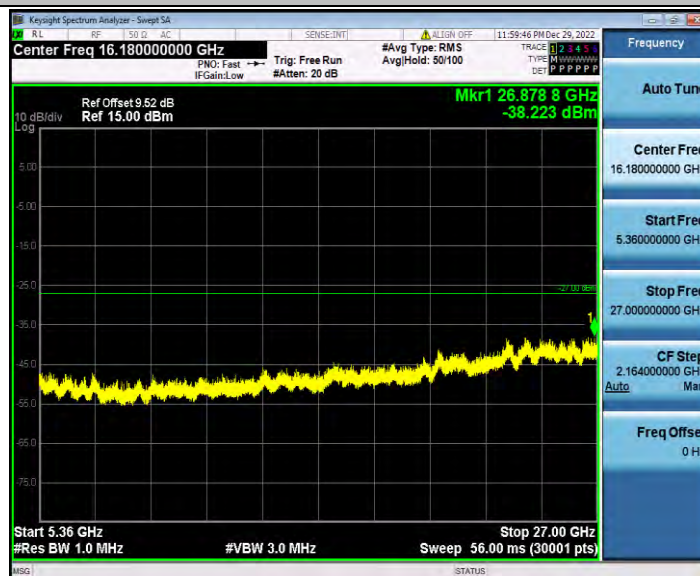
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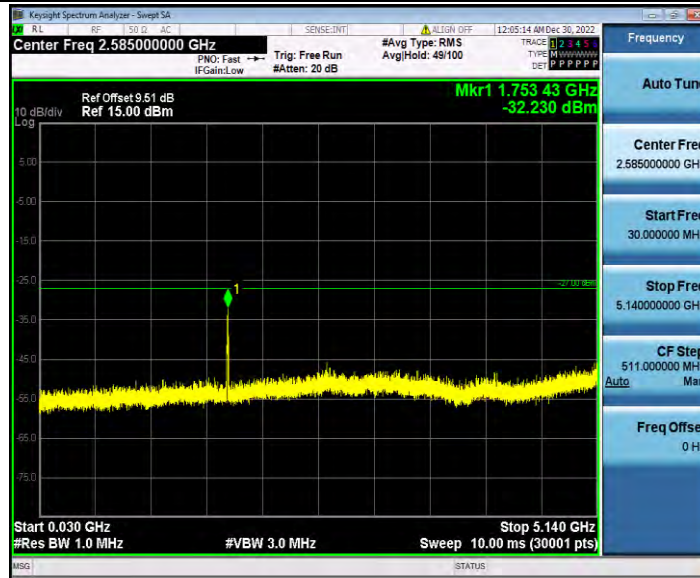
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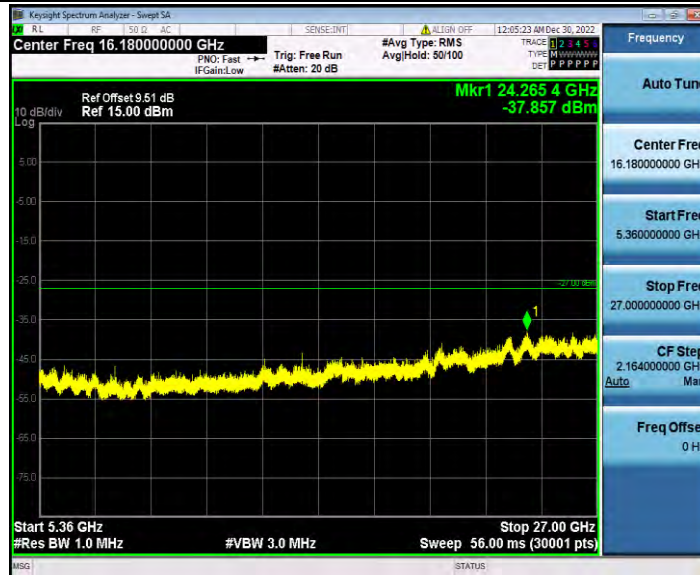
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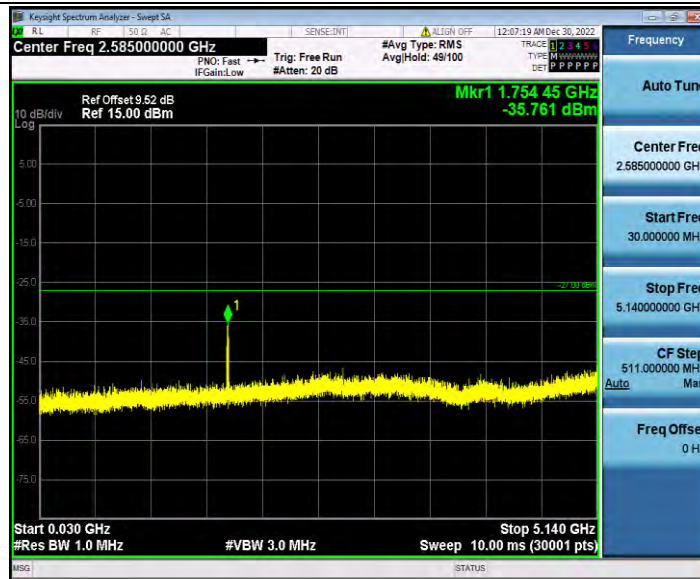
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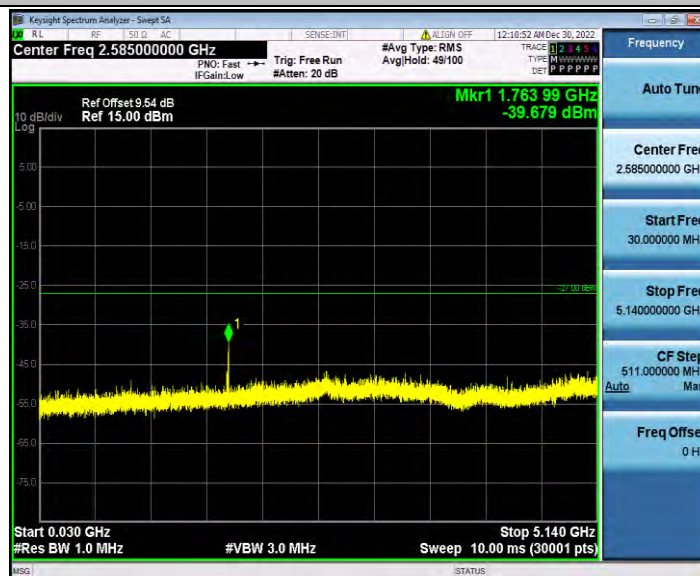
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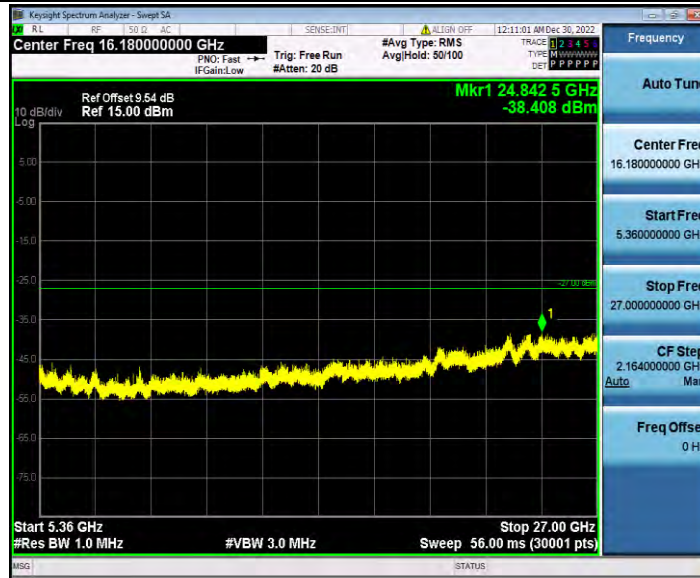
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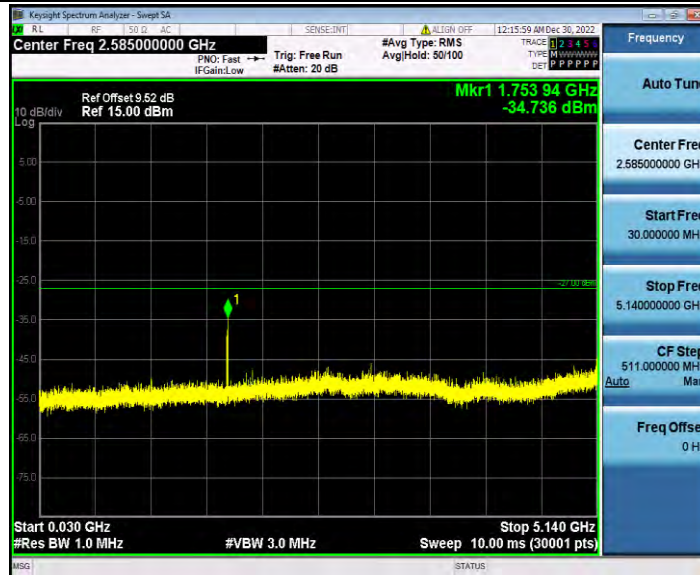
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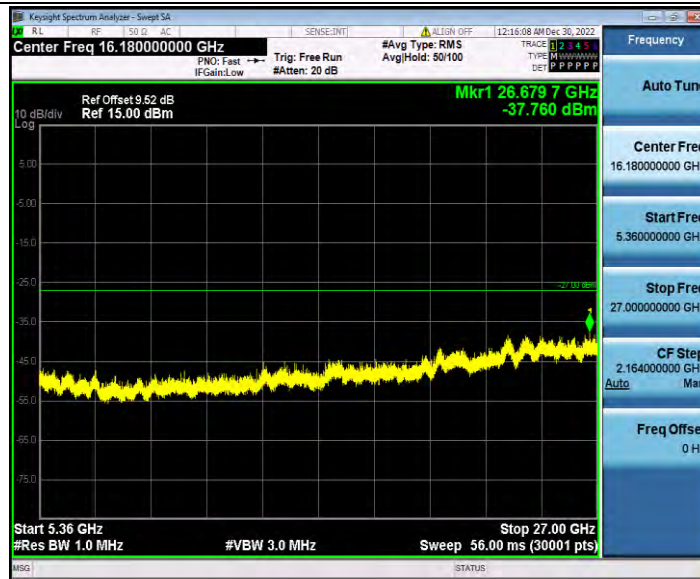
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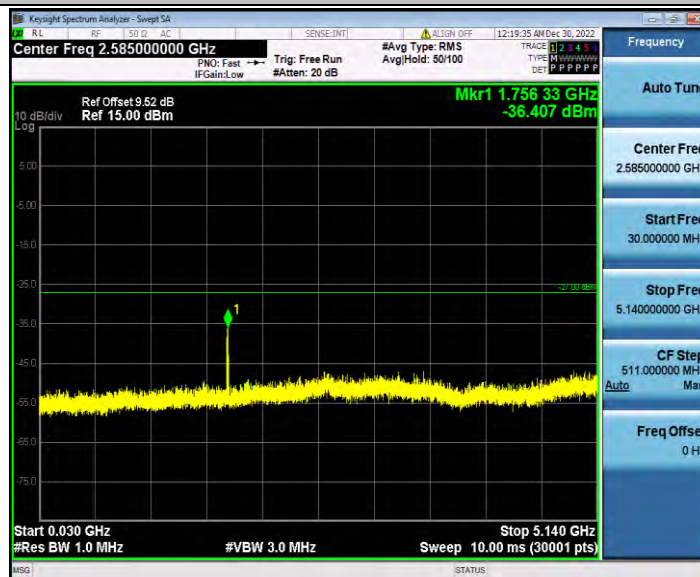
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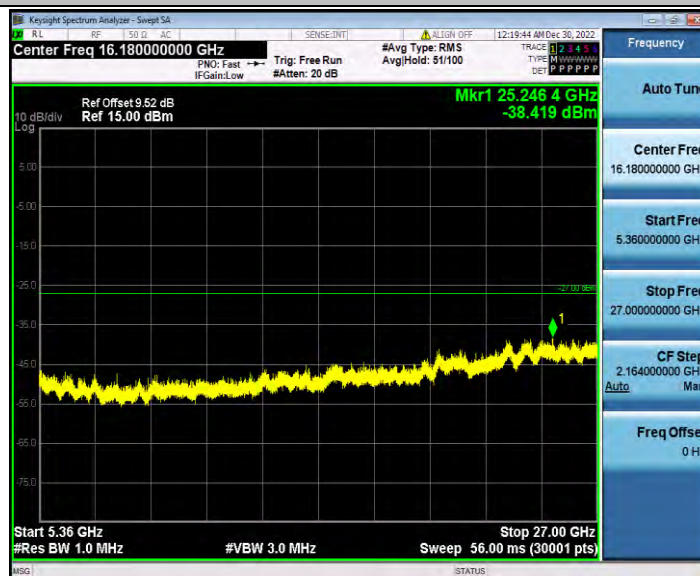
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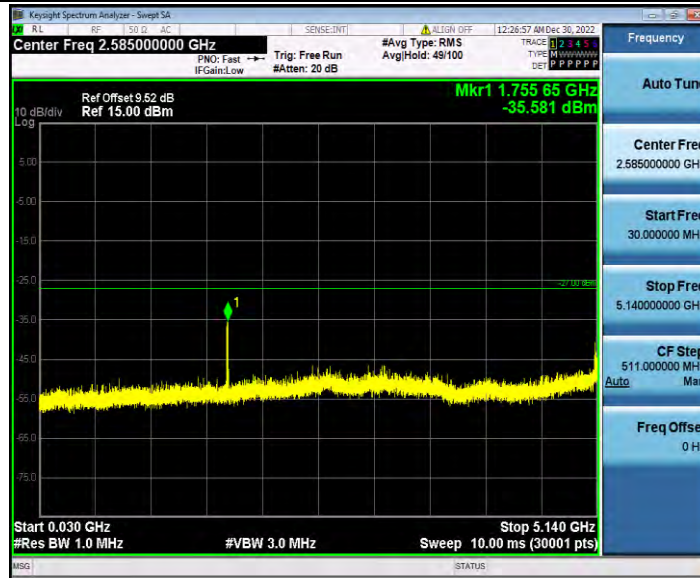
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

