

Case No. : GTS20220510015-1-4	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.5.26	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	20.000	5169.920	5189.920	---	---
		5200	19.960	5190.080	5210.040	---	---
		5240	20.000	5230.000	5250.000	---	---
11N20SISO	Ant1	5180	20.080	5169.960	5190.040	---	---
		5200	20.120	5190.000	5210.120	---	---
		5240	20.080	5229.920	5250.000	---	---
11N40SISO	Ant1	5190	40.240	5169.920	5210.160	---	---
		5230	40.480	5209.760	5250.240	---	---
11AC20SISO	Ant1	5180	20.400	5169.920	5190.320	---	---
		5200	20.320	5189.880	5210.200	---	---
		5240	20.440	5229.800	5250.240	---	---
11AC40SISO	Ant1	5190	40.240	5169.920	5210.160	---	---
		5230	40.160	5209.920	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



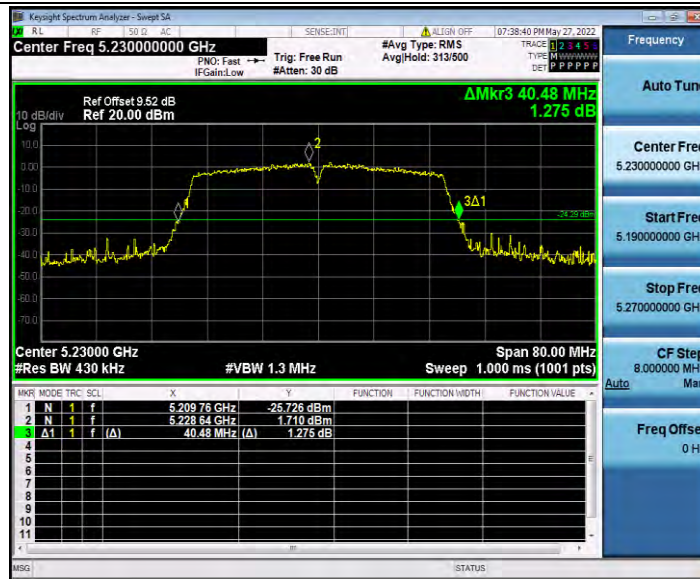
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



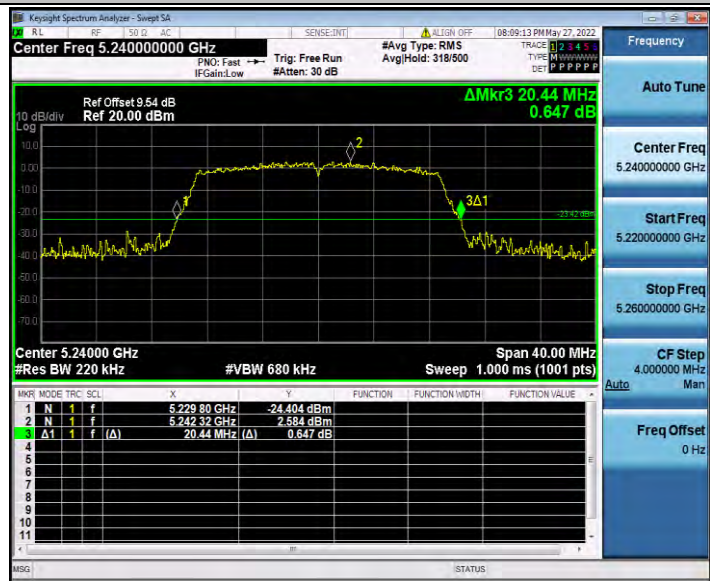
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



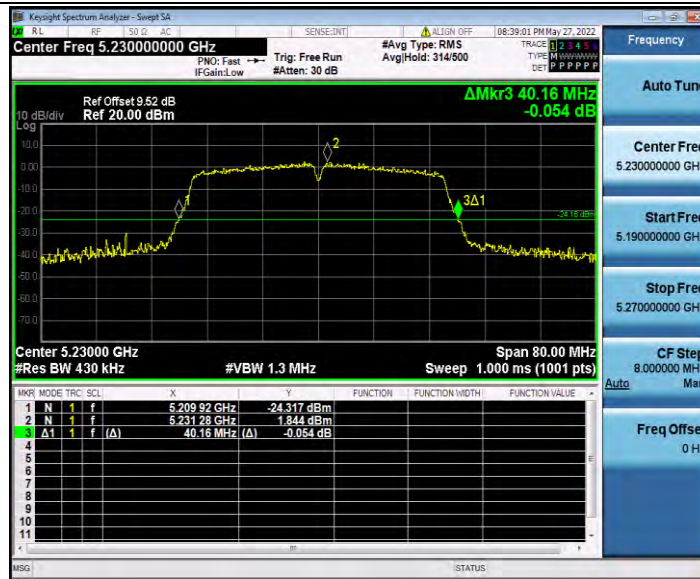
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



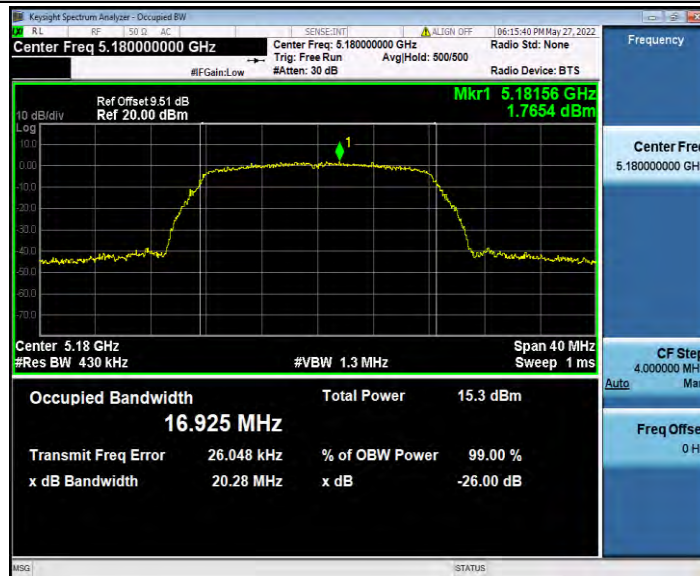
Appendix D.2: Occupied channel bandwidth

Test Result

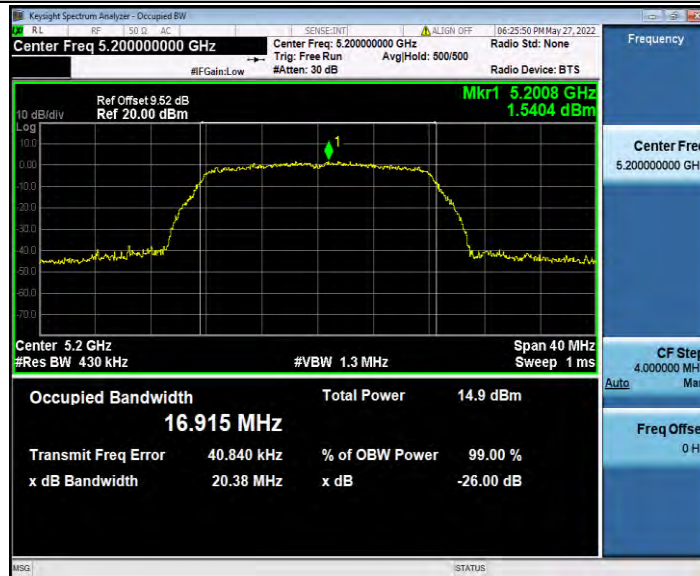
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.925	5171.564	5188.489	---	---
		5200	16.915	5191.583	5208.498	---	---
		5240	16.990	5231.504	5248.494	---	---
11N20SISO	Ant1	5180	17.840	5171.090	5188.930	---	---
		5200	17.864	5191.090	5208.954	---	---
		5240	17.852	5231.040	5248.892	---	---
11N40SISO	Ant1	5190	36.320	5171.847	5208.167	---	---
		5230	36.211	5211.862	5248.073	---	---
11AC20SISO	Ant1	5180	17.862	5171.067	5188.929	---	---
		5200	17.867	5191.078	5208.945	---	---
		5240	17.830	5231.076	5248.906	---	---
11AC40SISO	Ant1	5190	36.287	5171.893	5208.180	---	---
		5230	36.231	5211.907	5248.138	---	---
11AC80SISO	Ant1	5210	75.119	5172.559	5247.678	---	---

Test Graphs

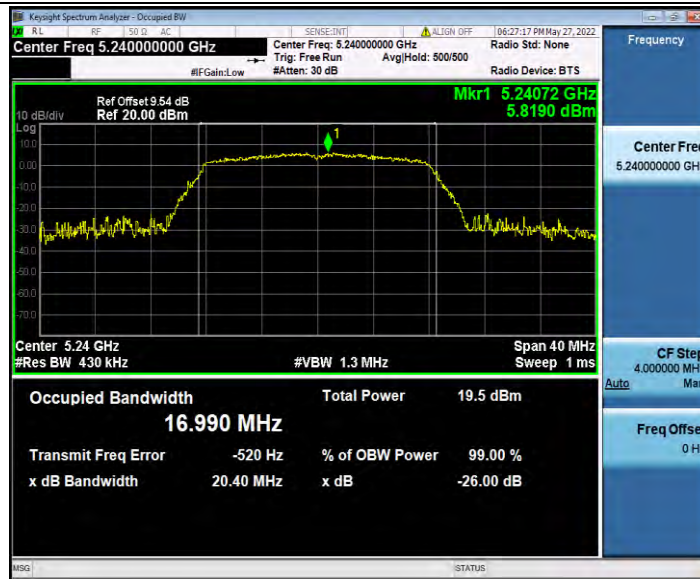
11A_Ant1_5180



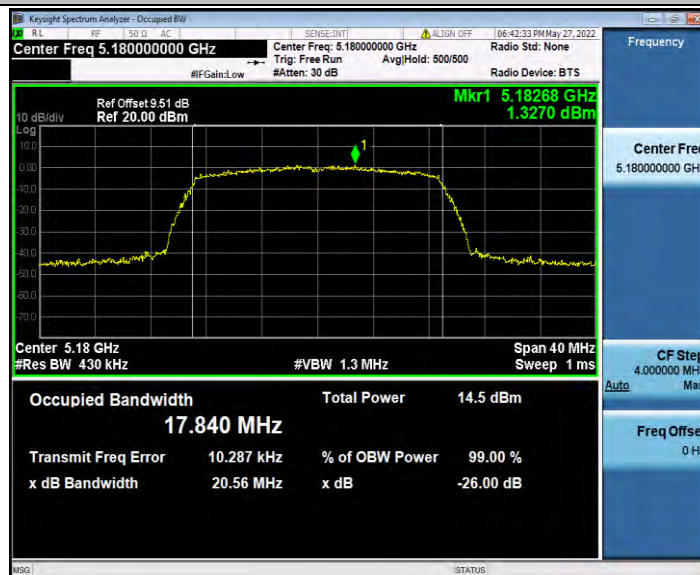
11A_Ant1_5200



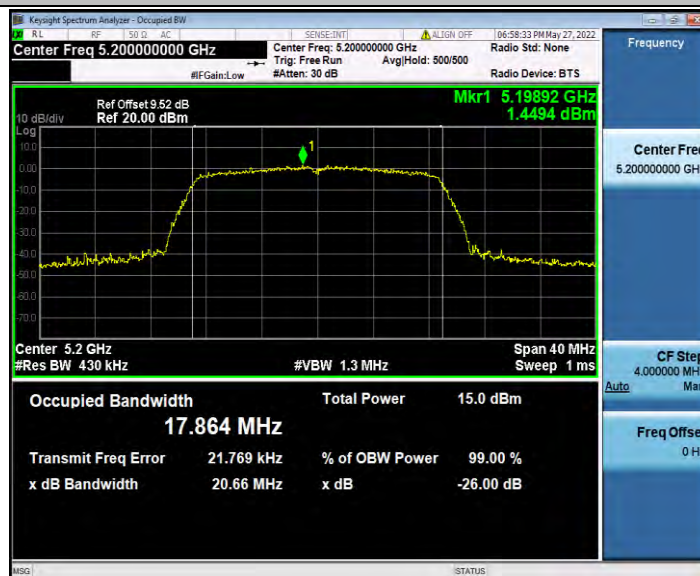
11A_Ant1_5240



11N20SISO_Ant1_5180



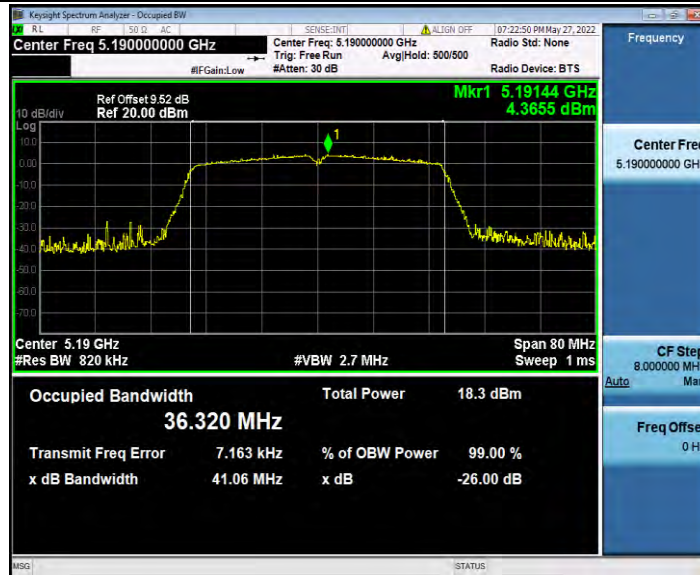
11N20SISO_Ant1_5200



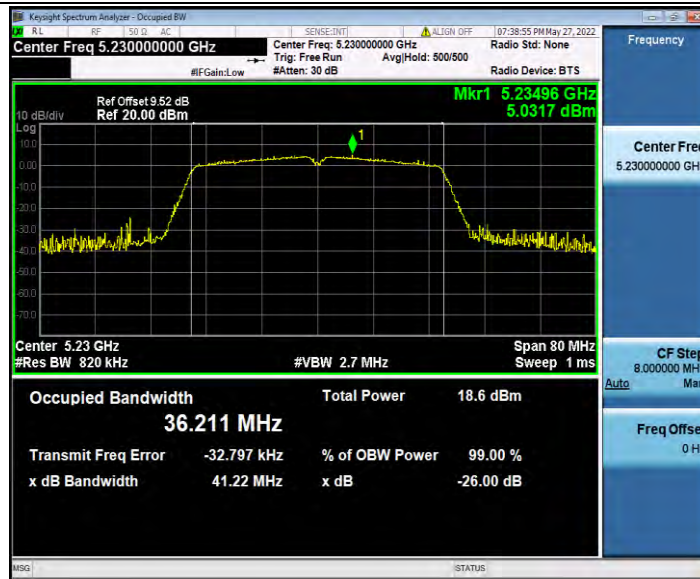
11N20SISO_Ant1_5240



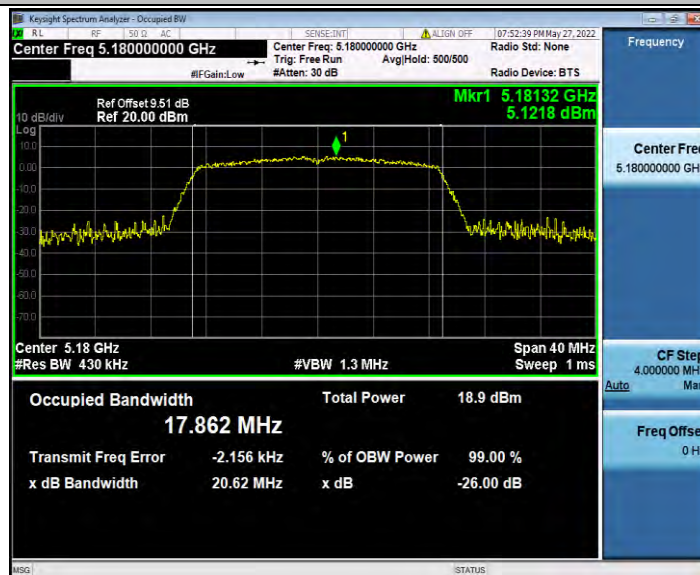
11N40SISO_Ant1_5190



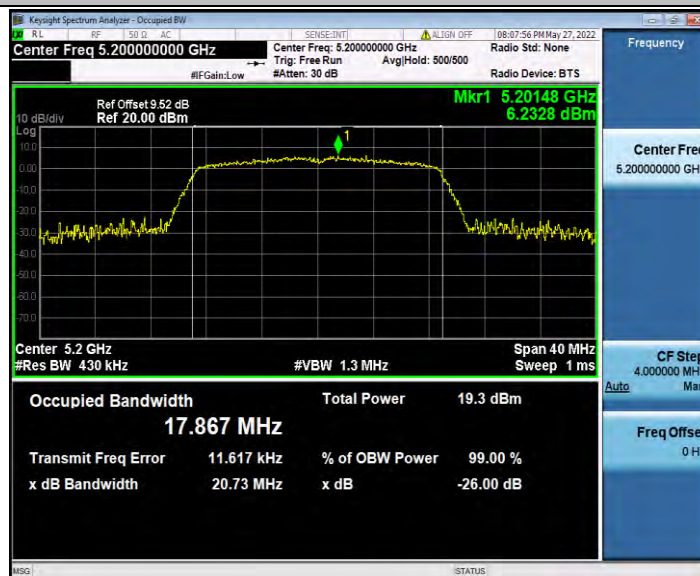
11N40SISO_Ant1_5230



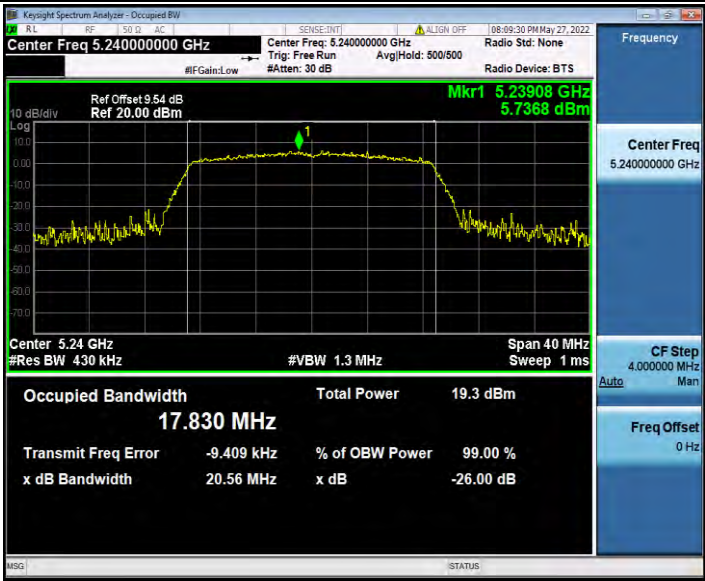
11AC20SISO_Ant1_5180



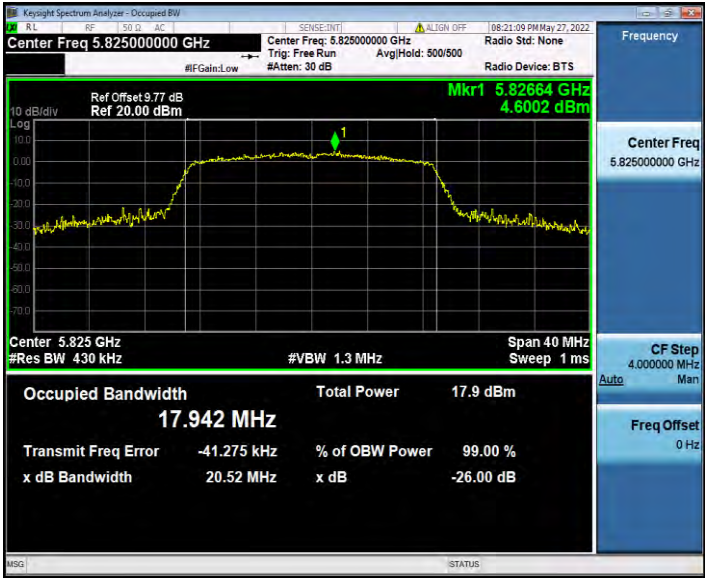
11AC20SISO_Ant1_5200



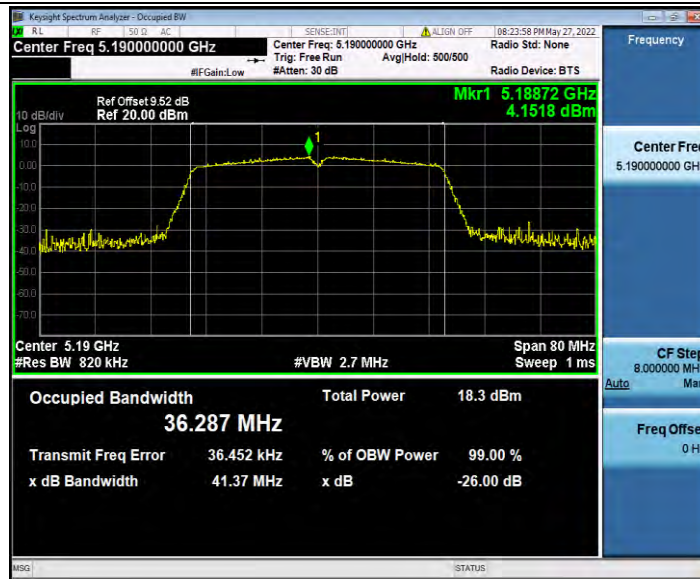
11AC20SISO_Ant1_5240



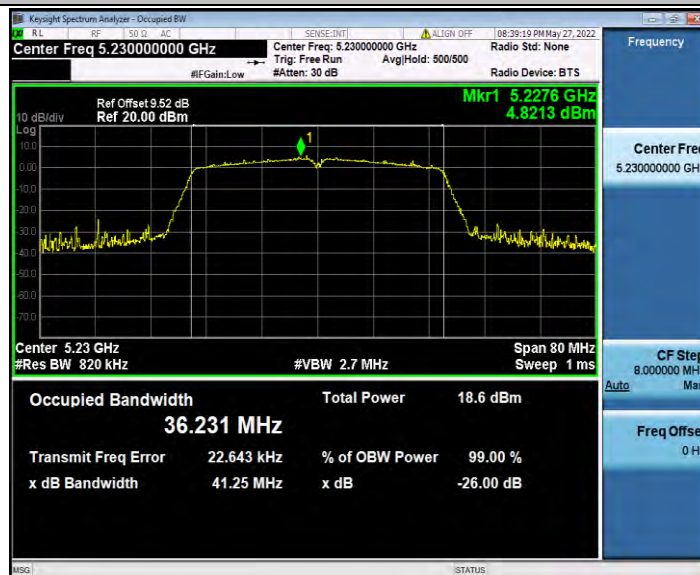
11AC20SISO_Ant1_5825



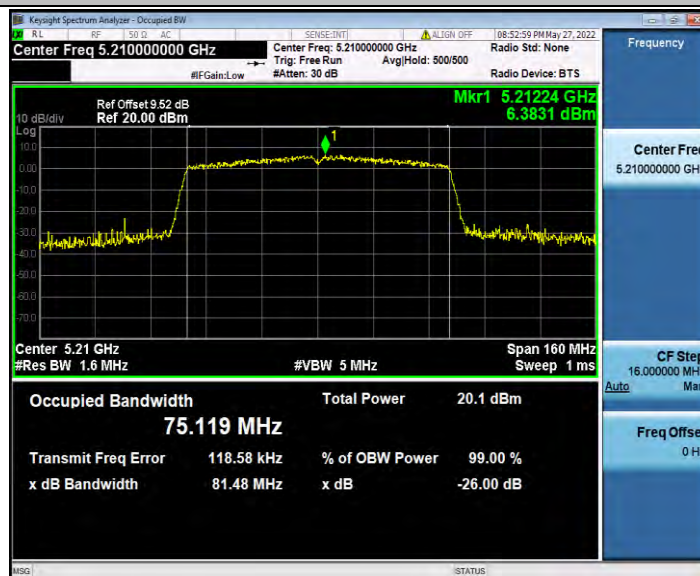
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



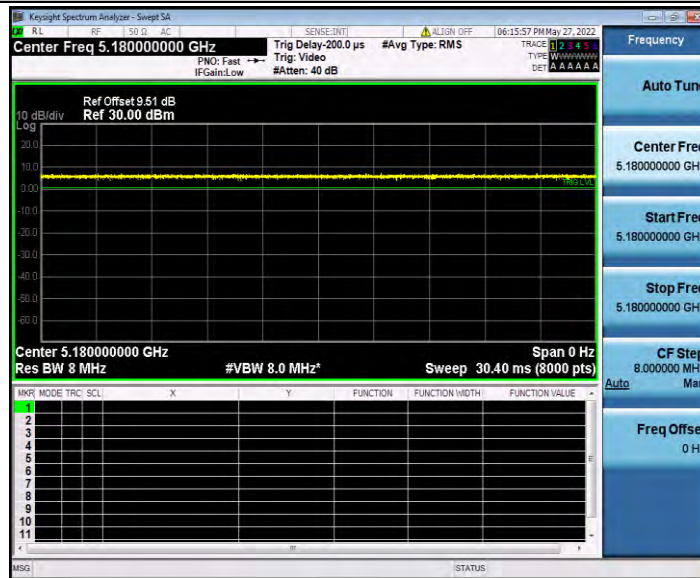
Appendix D.3: Duty Cycle

Test Result

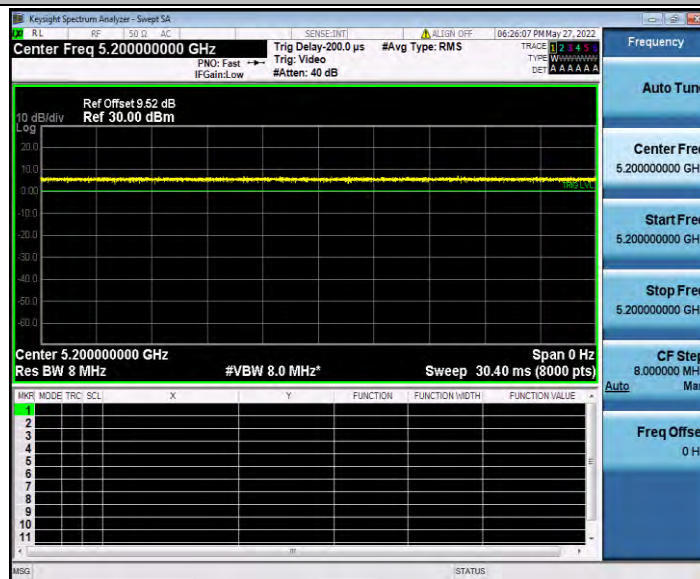
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle [dB]
11A	Ant1	5180	30.00	30.00	100.00	0
		5200	30.00	30.00	100.00	0
		5240	30.00	30.00	100.00	0
11N20SISO	Ant1	5180	30.00	30.00	100.00	0
		5200	30.00	30.00	100.00	0
		5240	30.00	30.00	100.00	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

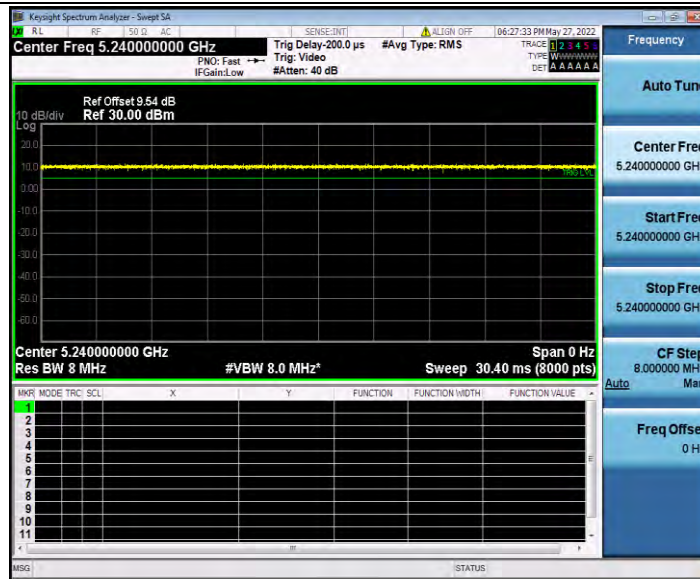
11A_Ant1_5180



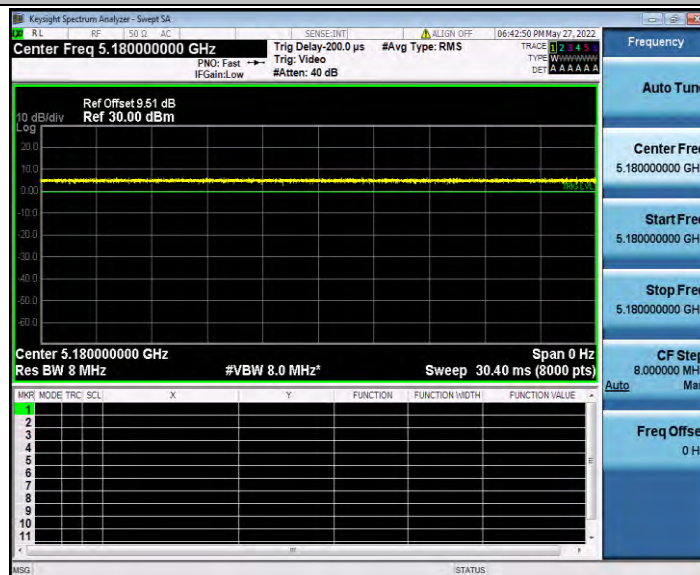
11A_Ant1_5200



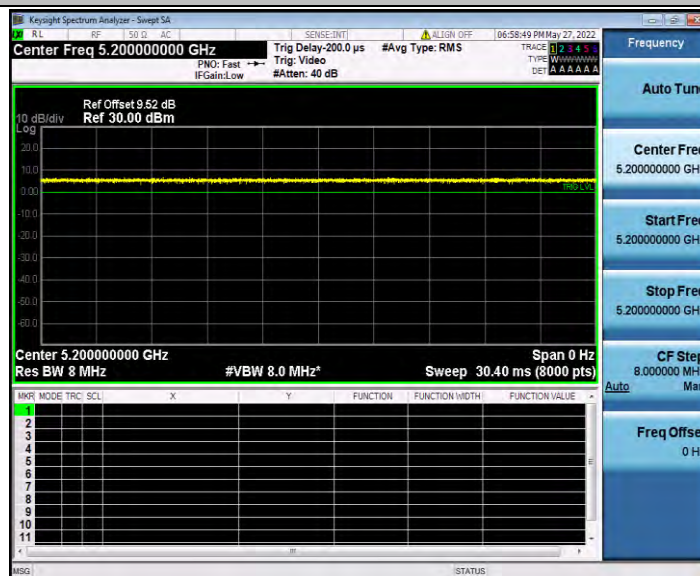
11A_Ant1_5240



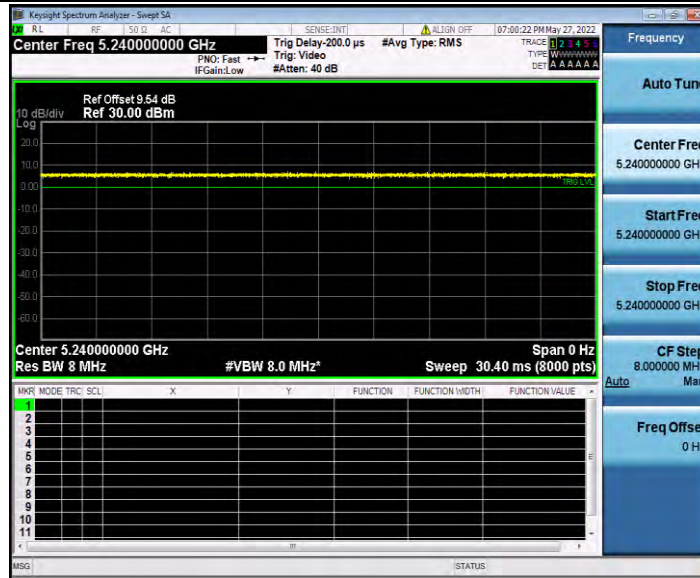
11N20SISO_Ant1_5180



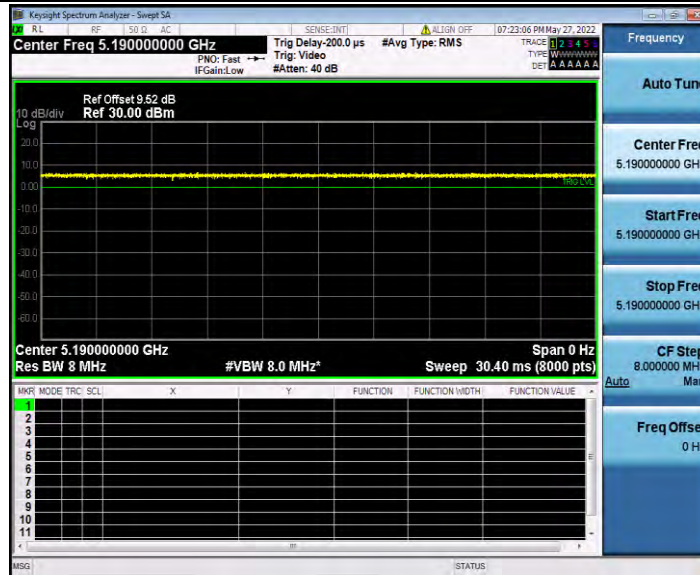
11N20SISO_Ant1_5200



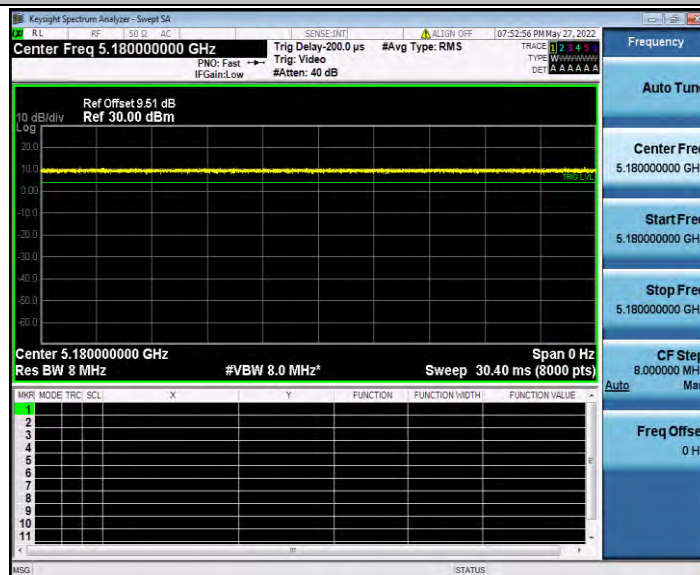
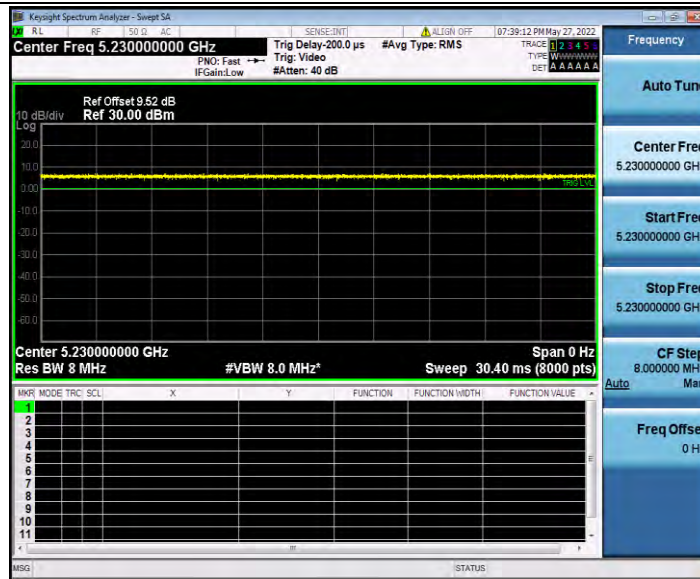
11N20SISO_Ant1_5240



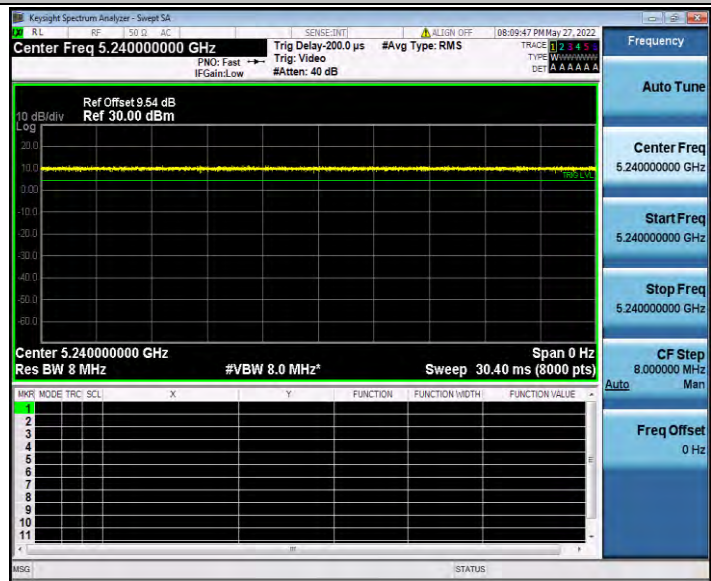
11N40SISO_Ant1_5190



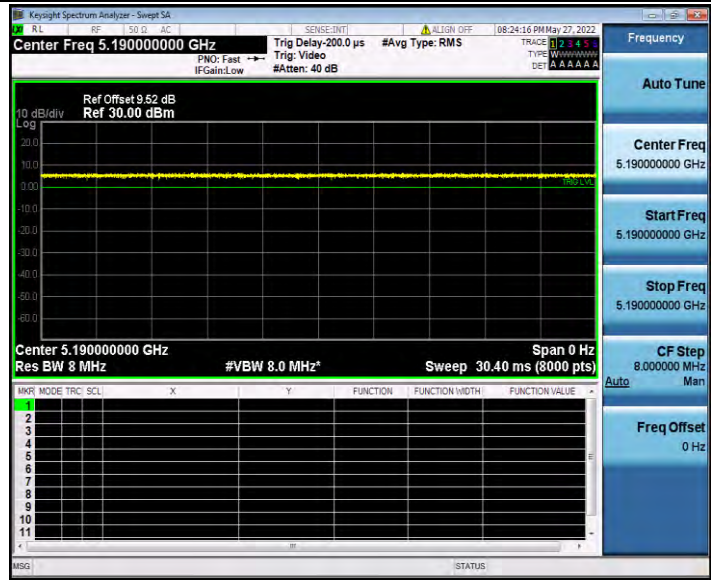
11N40SISO_Ant1_5230



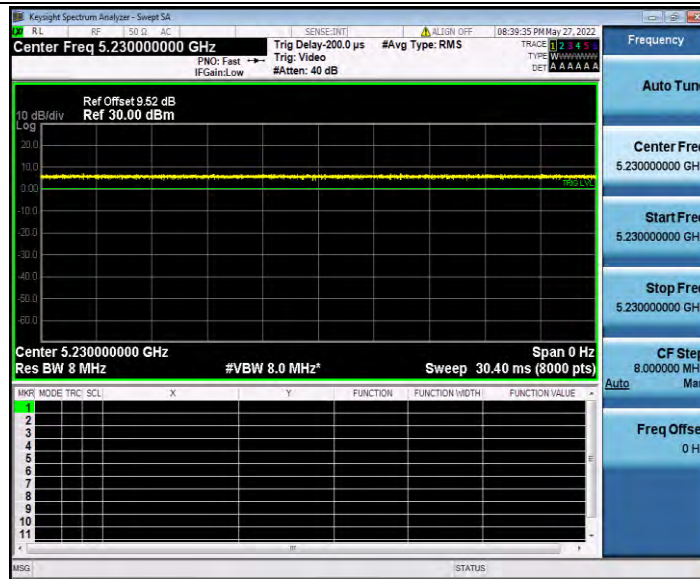
11AC20SISO_Ant1_5240



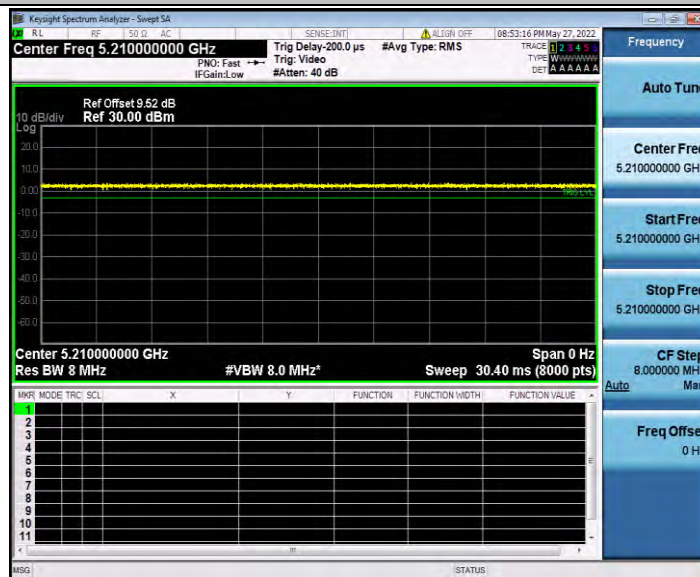
11AC40SISO_Ant1_5190



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	3.93	≤11.00	PASS
		5200	2.99	≤11.00	PASS
		5240	7.48	≤11.00	PASS
11N20SISO	Ant1	5180	2.31	≤11.00	PASS
		5200	2.77	≤11.00	PASS
		5240	3.33	≤11.00	PASS
11N40SISO	Ant1	5190	2.94	≤11.00	PASS
		5230	3.32	≤11.00	PASS
11AC20SISO	Ant1	5180	7.14	≤11.00	PASS
		5200	7.36	≤11.00	PASS
		5240	7.34	≤11.00	PASS
11AC40SISO	Ant1	5190	2.84	≤11.00	PASS
		5230	3.06	≤11.00	PASS
11AC80SISO	Ant1	5210	0.43	≤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



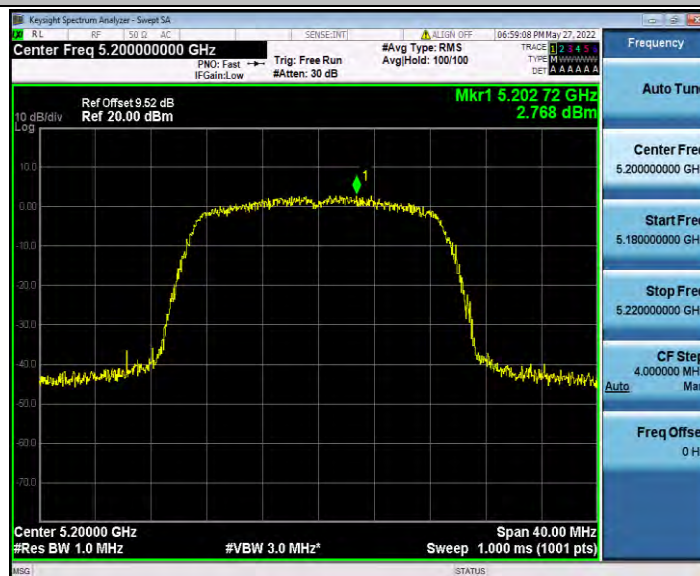
11A_Ant1_5240



11N20SISO_Ant1_5180



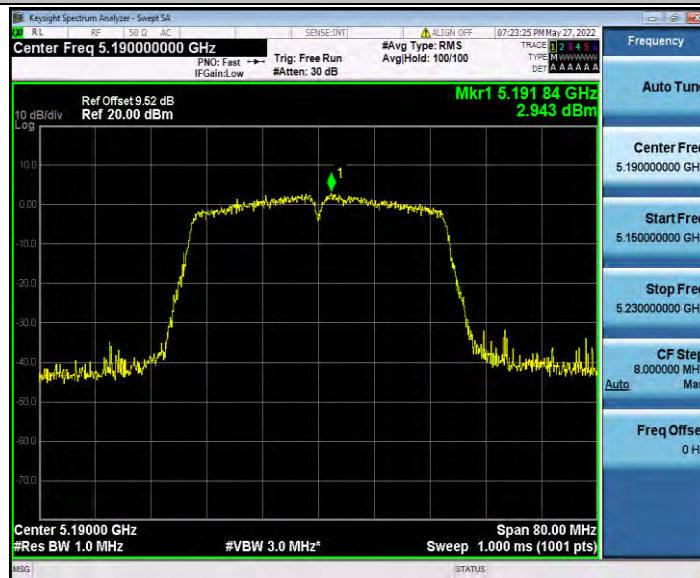
11N20SISO_Ant1_5200



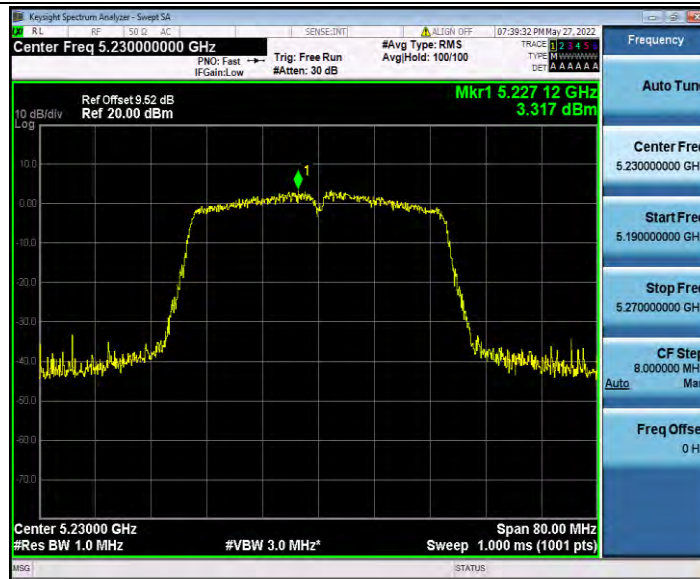
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



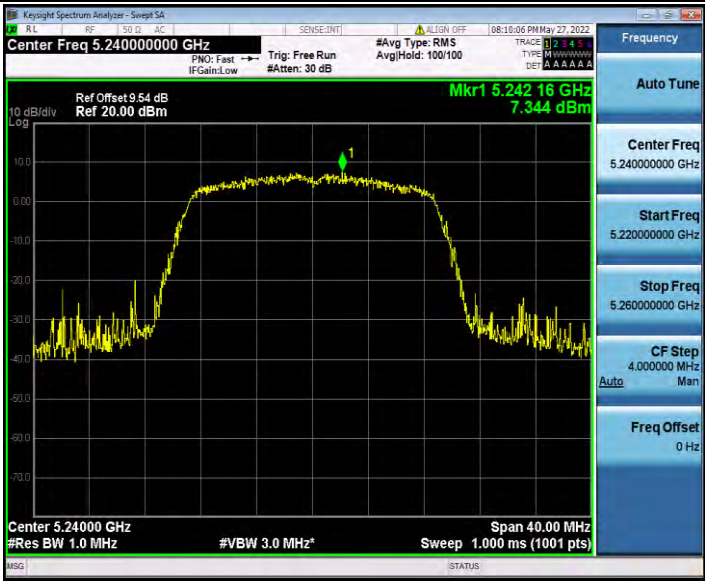
11AC20SISO_Ant1_5180



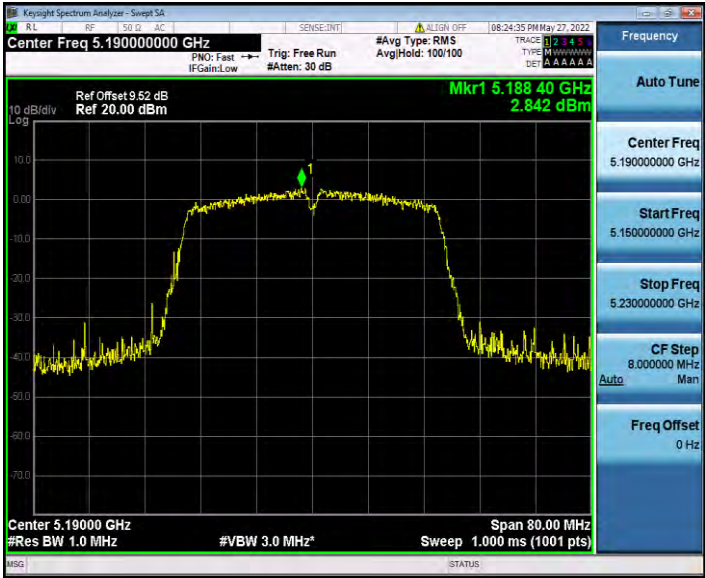
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



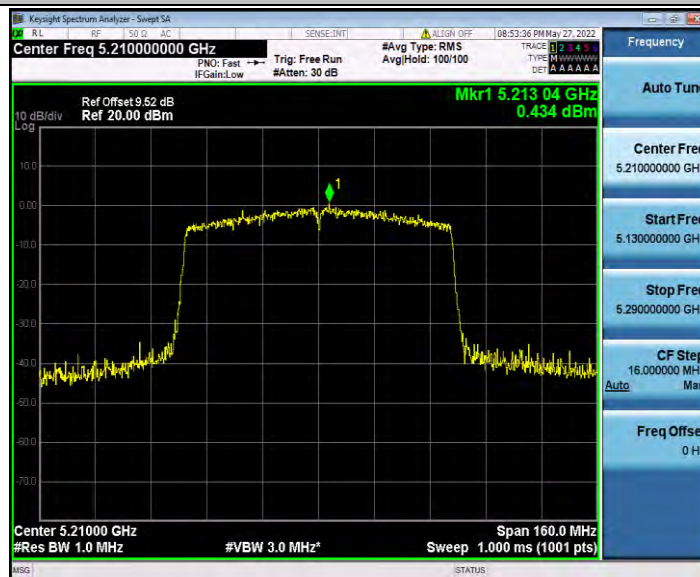
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



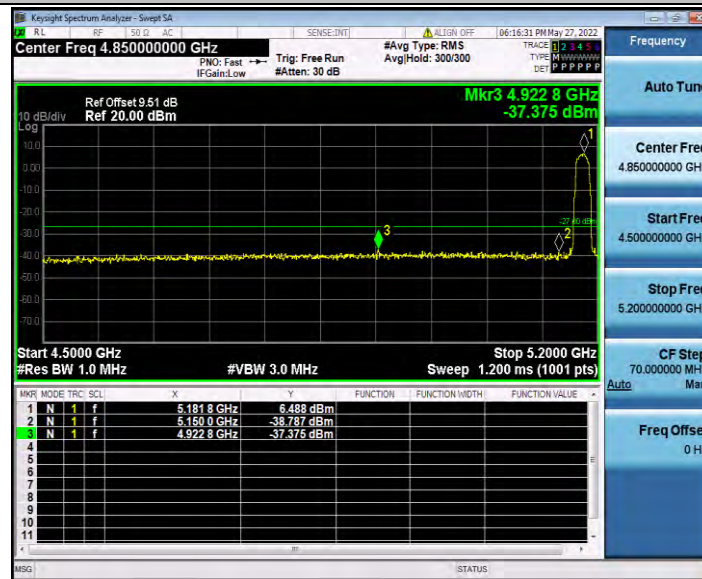
Appendix D.5: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.38	≤-27	PASS
		High	5240	-37.44	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.77	≤-27	PASS
		High	5240	-37.86	≤-27	PASS
11N40SISO	Ant1	Low	5190	-35.89	≤-27	PASS
		High	5230	-38.37	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-33.18	≤-27	PASS
		High	5240	-36.61	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-29.77	≤-27	PASS
		High	5230	-37.37	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-33.77	≤-27	PASS
		High	5210	-37.87	≤-27	PASS

Test Graphs B1

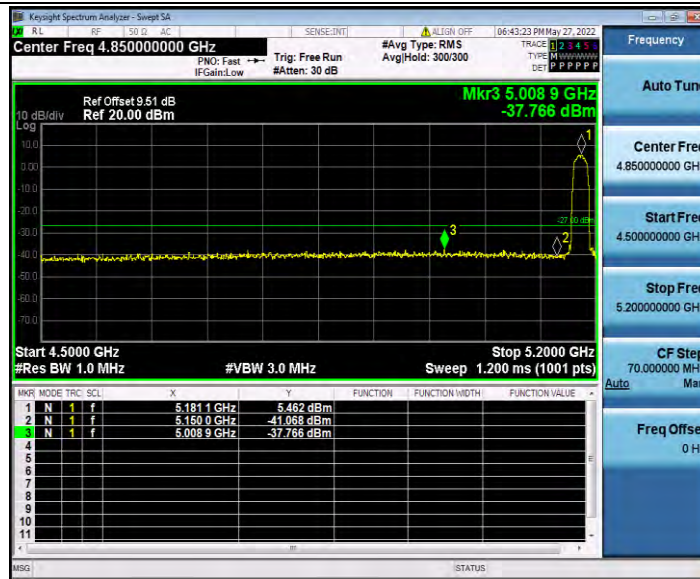
11A_Ant1_Low_5180



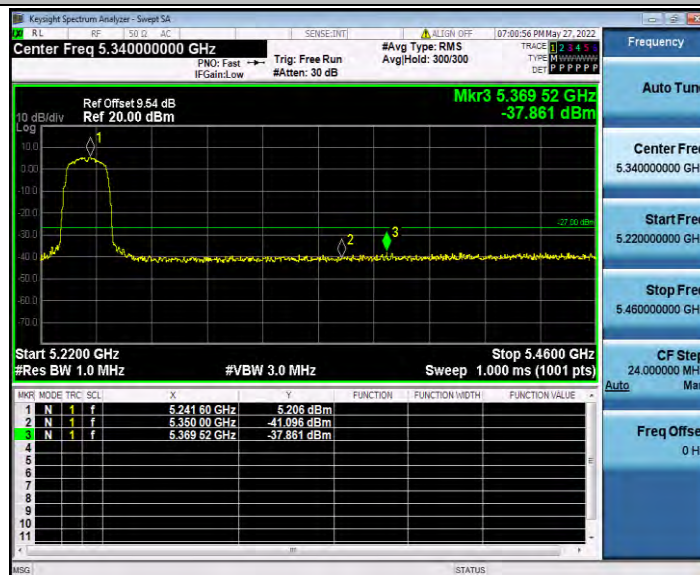
11A_Ant1_High_5240



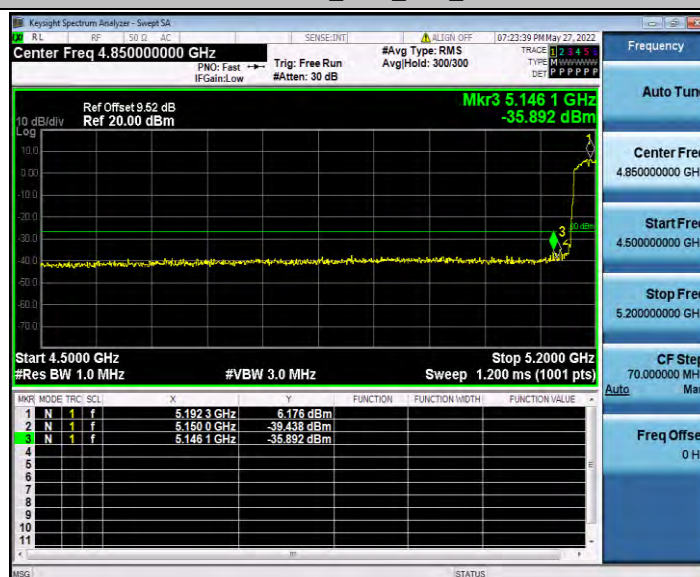
11N20SISO_Ant1_Low_5180



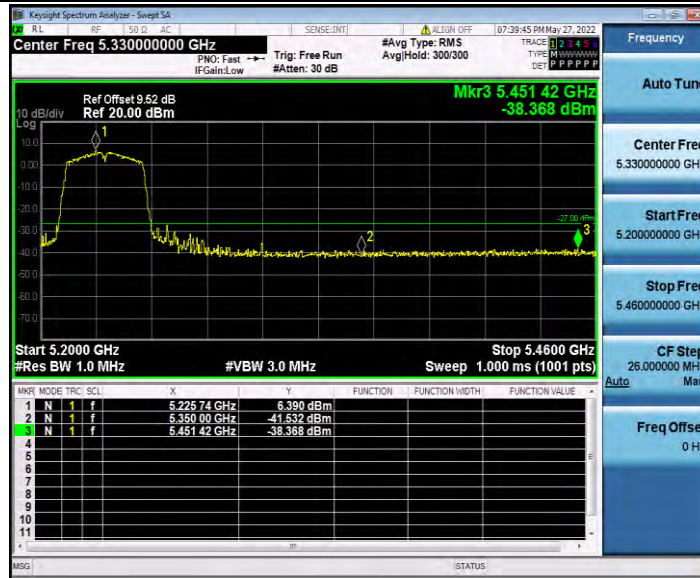
11N20SISO_Ant1_High_5240



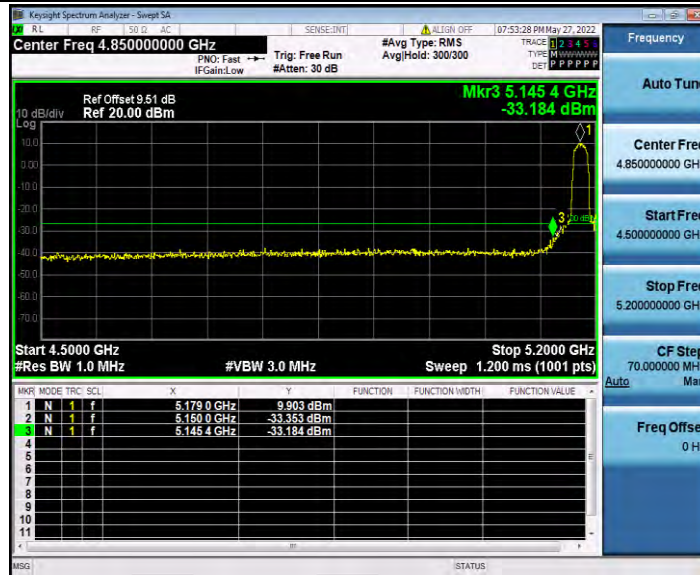
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



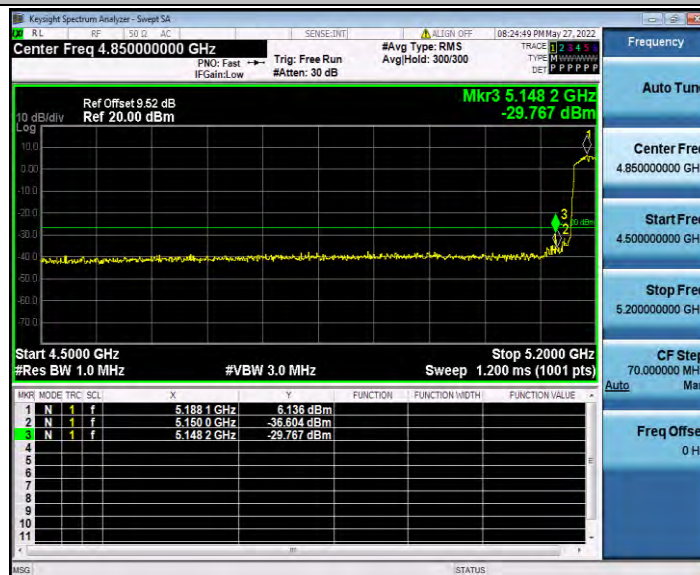
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



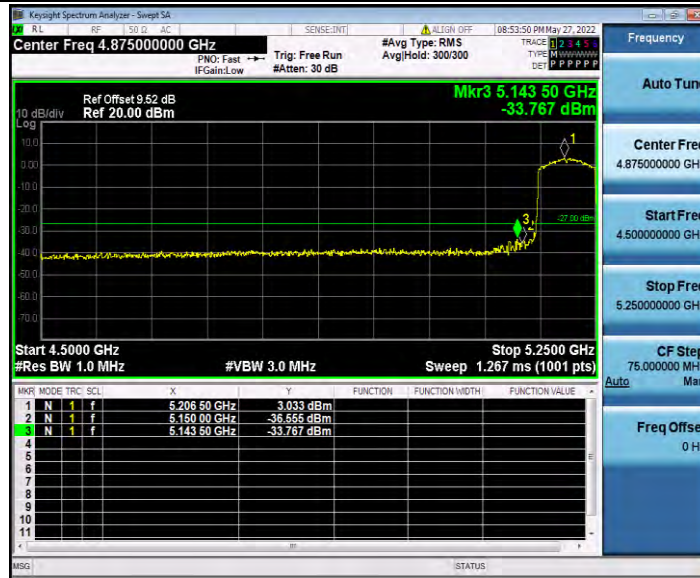
11AC40SISO_Ant1_Low_5190



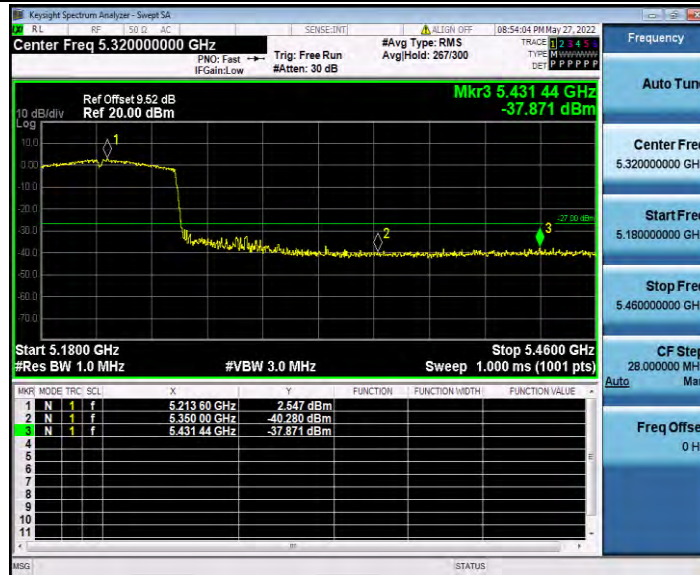
11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



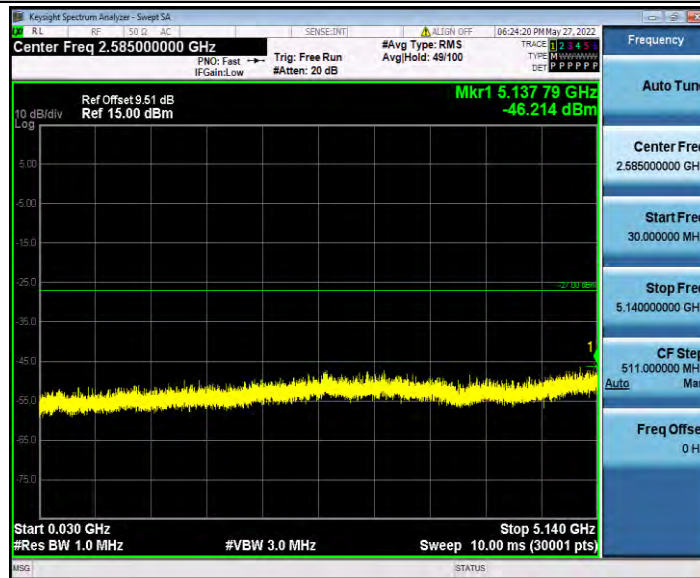
Appendix D.6: Conducted Spurious Emission

Test Result

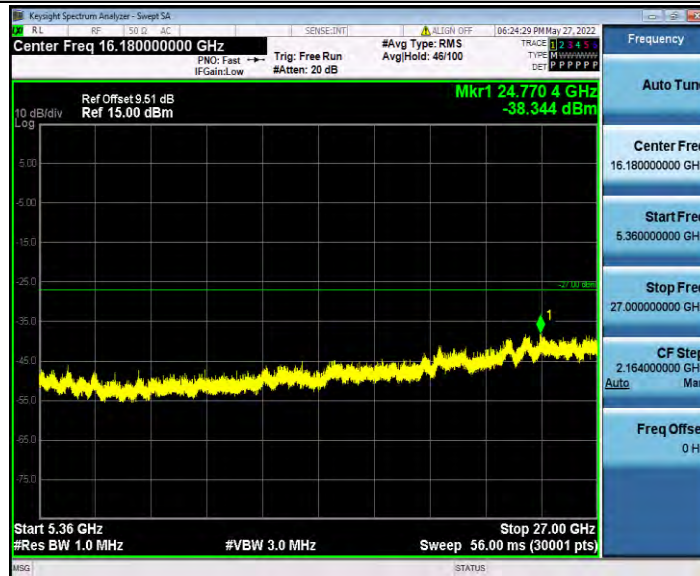
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5137.79	-46.21	≤-27	PASS
			5360~40000	24770.36	-38.34	≤-27	PASS
		5200	30~5140	5060.11	-46.9	≤-27	PASS
			5360~40000	26822.55	-38.29	≤-27	PASS
		5240	30~5140	4949.74	-46.95	≤-27	PASS
			5360~40000	24228.64	-37.95	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3138.92	-47.03	≤-27	PASS
			5360~40000	26070.2	-38.12	≤-27	PASS
		5200	30~5140	4905.62	-46.59	≤-27	PASS
			5360~40000	26057.22	-38	≤-27	PASS
		5240	30~5140	4912.09	-47.27	≤-27	PASS
			5360~40000	26490.74	-37.93	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5138.98	-43.13	≤-27	PASS
			5360~40000	26697.04	-37.93	≤-27	PASS
		5230	30~5140	4804.78	-47.1	≤-27	PASS
			5360~40000	24204.83	-38.06	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5127.05	-45.28	≤-27	PASS
			5360~40000	24242.34	-37.64	≤-27	PASS
		5200	30~5140	5139.15	-40.91	≤-27	PASS
			5360~40000	24906.69	-37.53	≤-27	PASS
		5240	30~5140	3156.13	-46.62	≤-27	PASS
			5360~40000	25123.09	-37.63	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.66	-39.79	≤-27	PASS
			5360~40000	25665.53	-37.73	≤-27	PASS
		5230	30~5140	4850.26	-47.06	≤-27	PASS
			5360~40000	26404.18	-37.8	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5105.59	-41.54	≤-27	PASS
			5360~40000	24232.97	-37.57	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



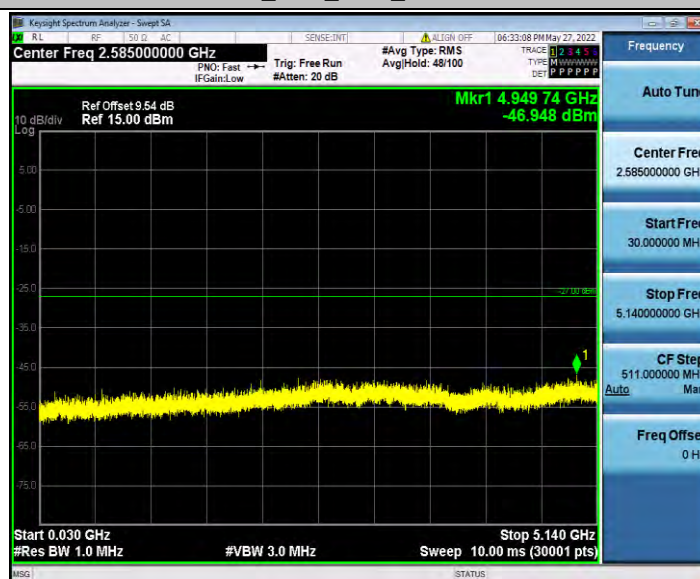
11A_Ant1_5200_30~5140



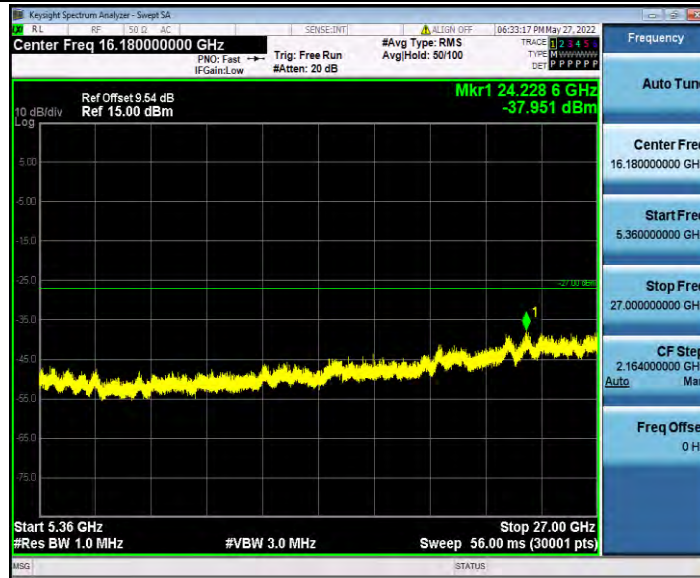
11A_Ant1_5200_5360~40000



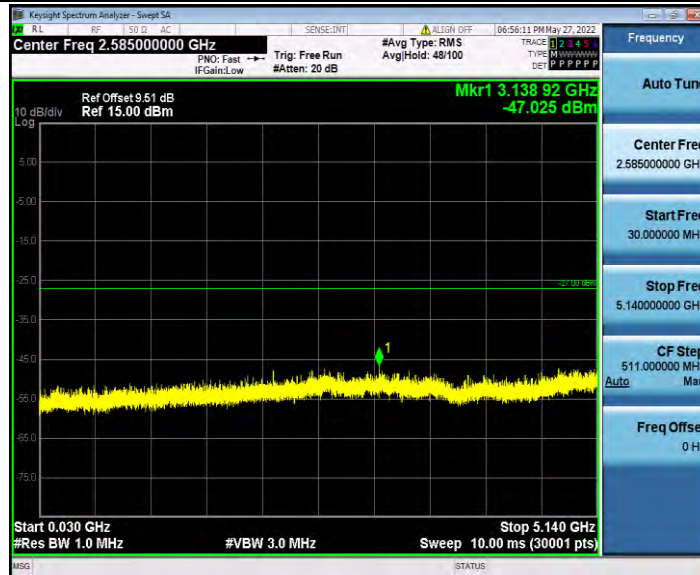
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



11N20SISO_Ant1_5180_30~5140



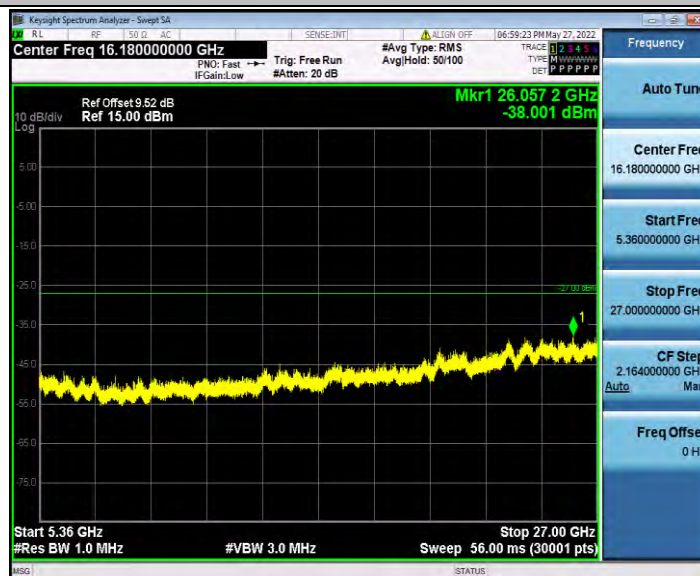
11N20SISO_Ant1_5180_5360~40000



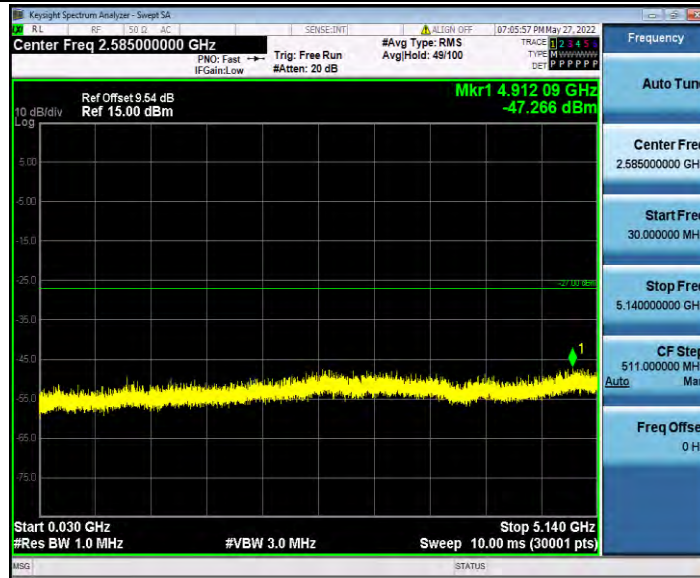
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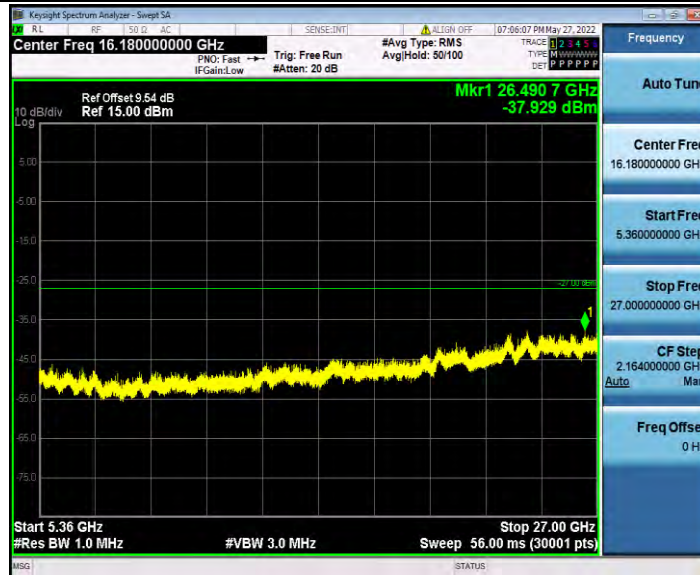
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11N20SISO_Ant1_5240_30~5140



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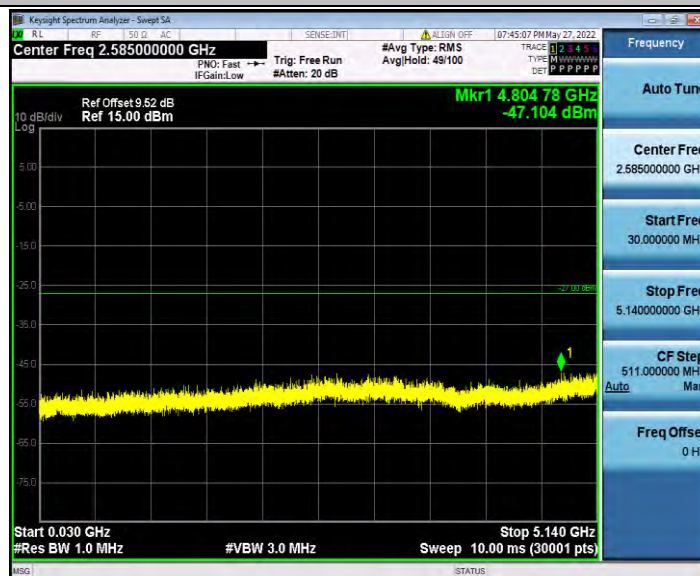
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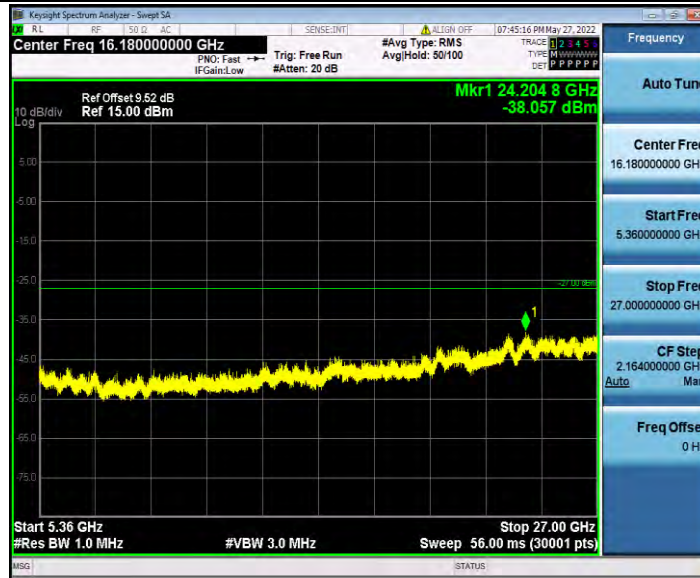
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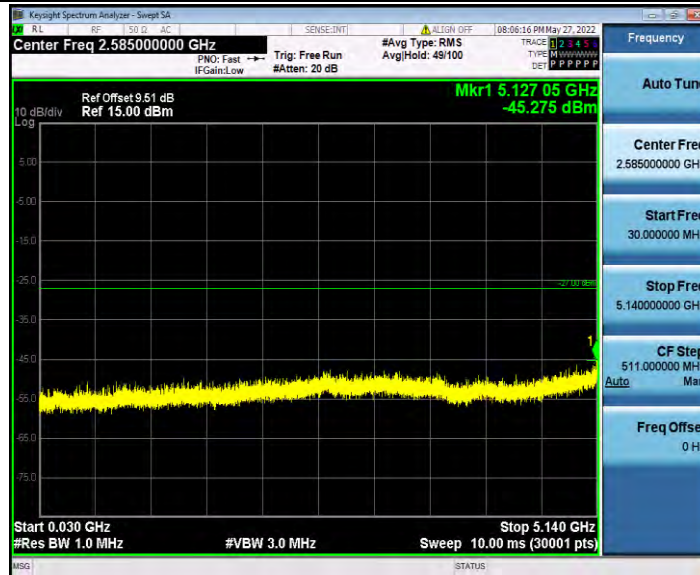
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11N40SISO_Ant1_5230_5360~40000



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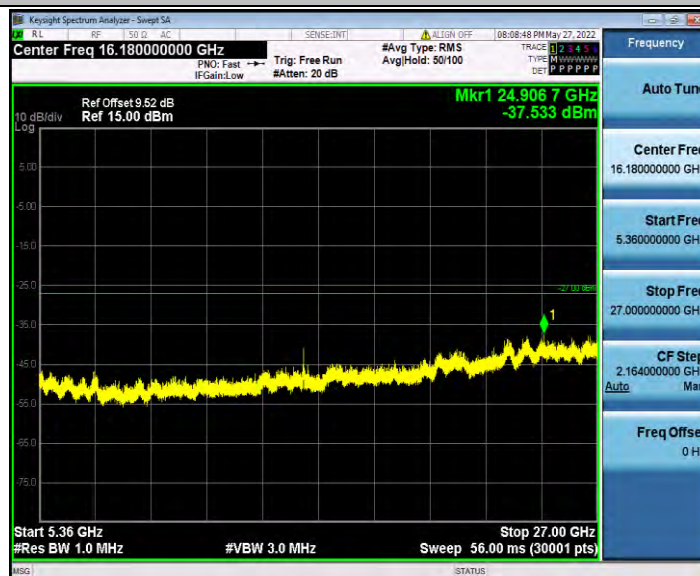
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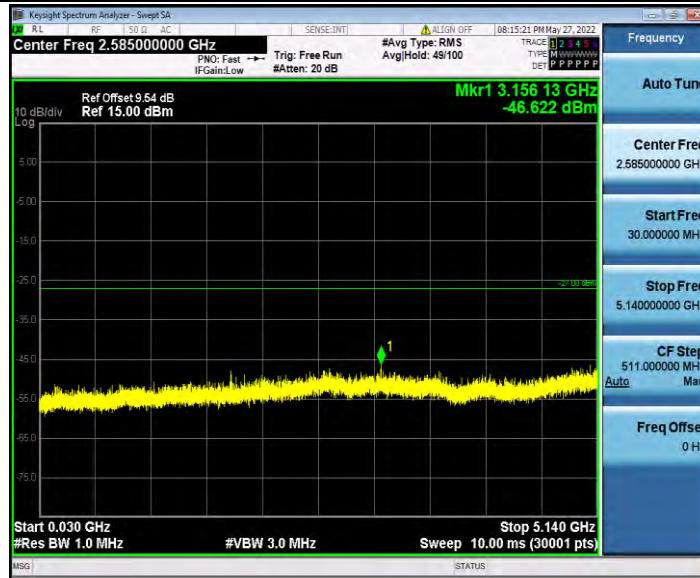
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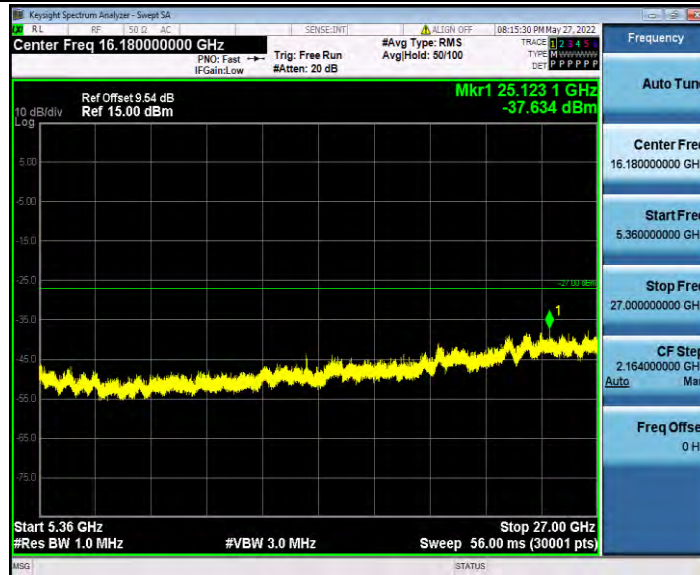
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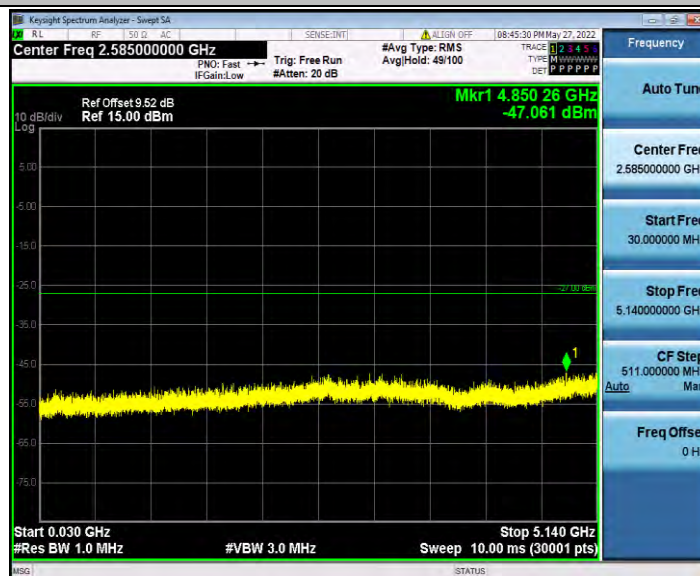
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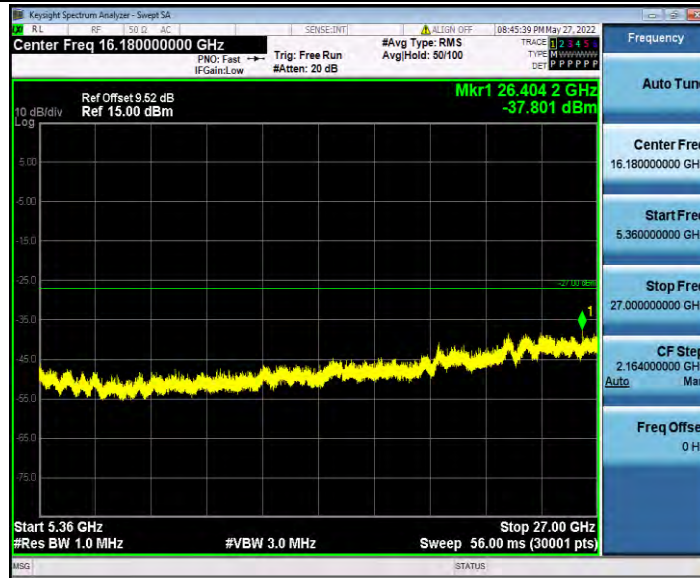
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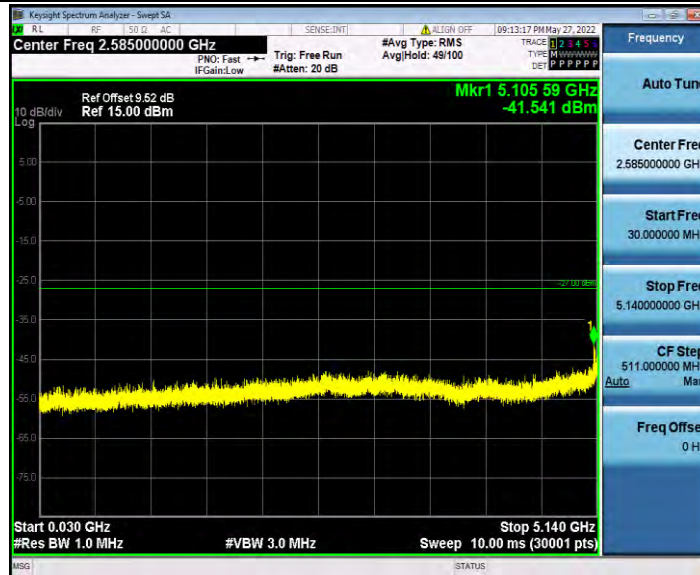
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

