

Case No. : GTS20220909003-2-3	
Ambient Condition: 24 °C, 49 %RH, Atmos100.1Kpa,	
Test Date: 2022.11.30	Test Engineer: Jenny zeng

Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.480	5169.160	5192.640	---	---
		5200	23.400	5189.200	5212.600	---	---
		5240	23.520	5228.960	5252.480	---	---
11N20SISO	Ant1	5180	24.040	5168.720	5192.760	---	---
		5200	24.280	5189.320	5213.600	---	---
		5240	24.640	5228.760	5253.400	---	---
11N40SISO	Ant1	5190	51.920	5167.600	5219.520	---	---
		5230	51.600	5210.160	5261.760	---	---
11AC20SISO	Ant1	5180	25.520	5169.080	5194.600	---	---
		5200	24.920	5189.120	5214.040	---	---
		5240	25.280	5229.200	5254.480	---	---
11AC40SISO	Ant1	5190	51.120	5170.080	5221.200	---	---
		5230	55.520	5210.080	5265.600	---	---
11AC80SISO	Ant1	5210	94.560	5169.200	5263.760	---	---

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



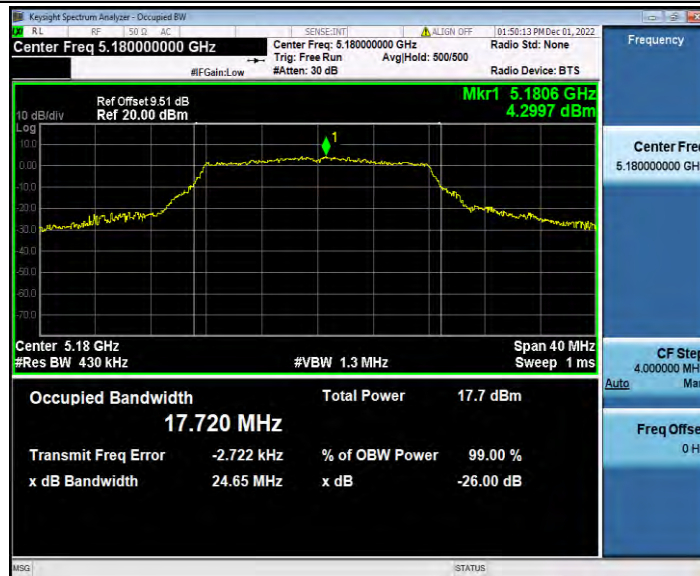
Appendix C.2: Occupied channel bandwidth

Test Result

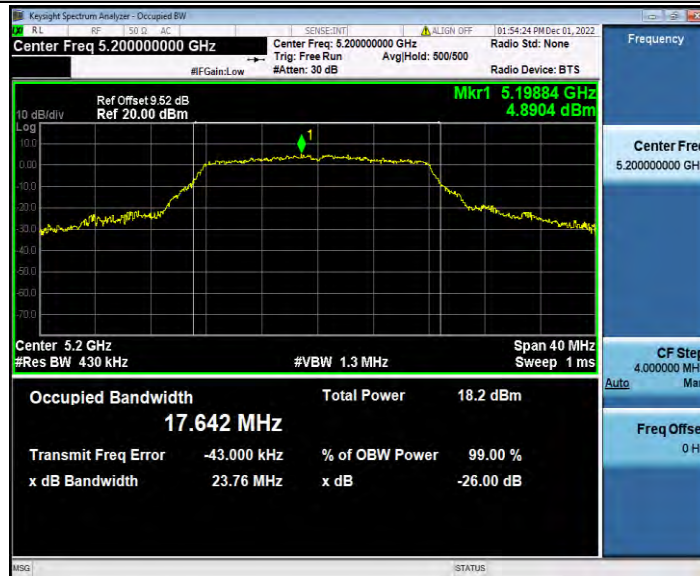
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.720	5171.137	5188.857	---	---
		5200	17.642	5191.136	5208.778	---	---
		5240	17.738	5231.079	5248.817	---	---
11N20SISO	Ant1	5180	18.584	5170.745	5189.329	---	---
		5200	18.559	5190.774	5209.333	---	---
		5240	18.596	5230.722	5249.318	---	---
11N40SISO	Ant1	5190	36.914	5171.692	5208.606	---	---
		5230	36.895	5211.672	5248.567	---	---
11AC20SISO	Ant1	5180	18.605	5170.698	5189.303	---	---
		5200	18.586	5190.730	5209.316	---	---
		5240	18.638	5230.659	5249.297	---	---
11AC40SISO	Ant1	5190	36.856	5171.698	5208.554	---	---
		5230	36.890	5211.737	5248.627	---	---
11AC80SISO	Ant1	5210	75.883	5172.311	5248.194	---	---

Test Graphs

11A_Ant1_5180



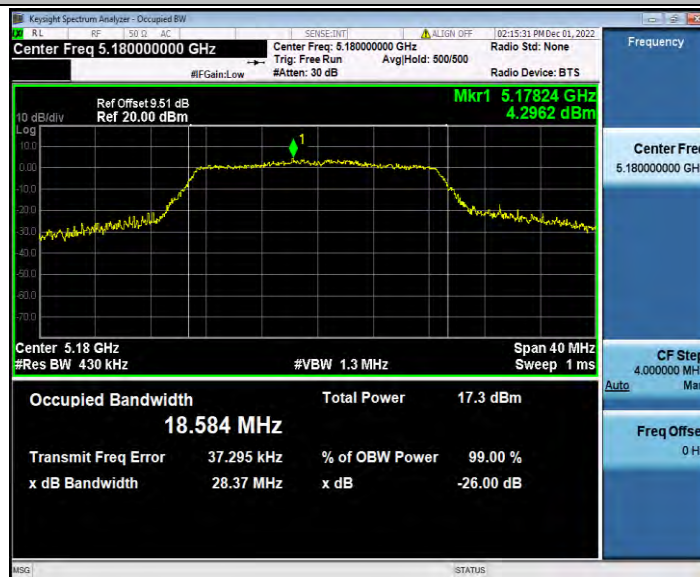
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



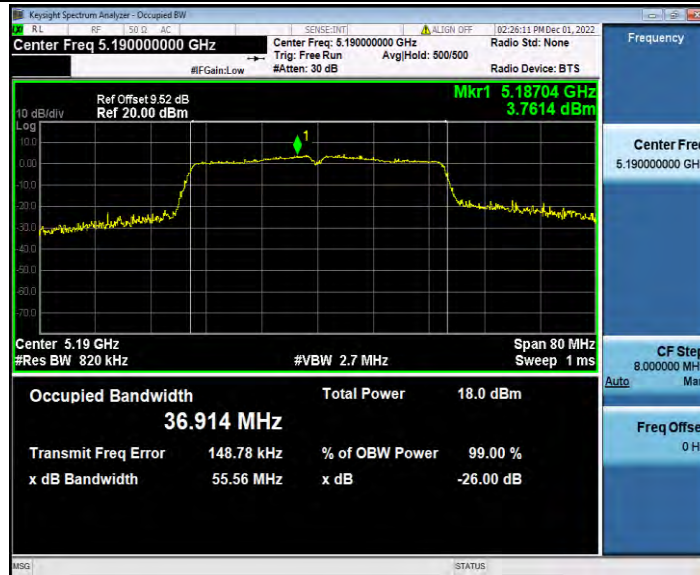
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



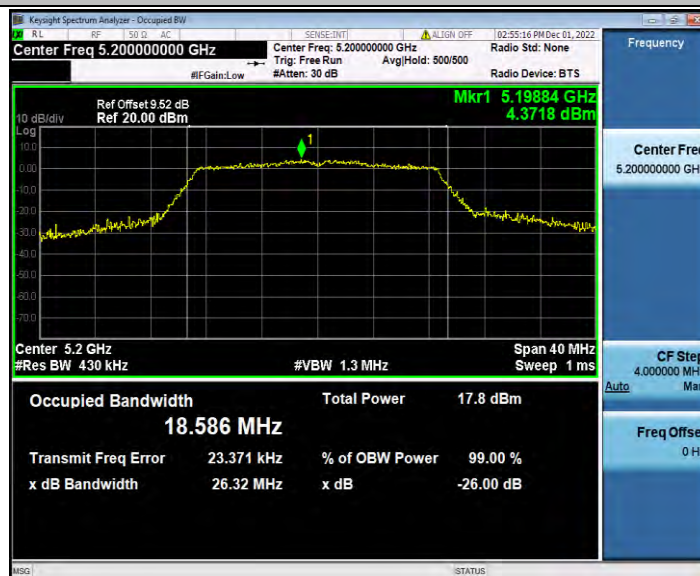
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



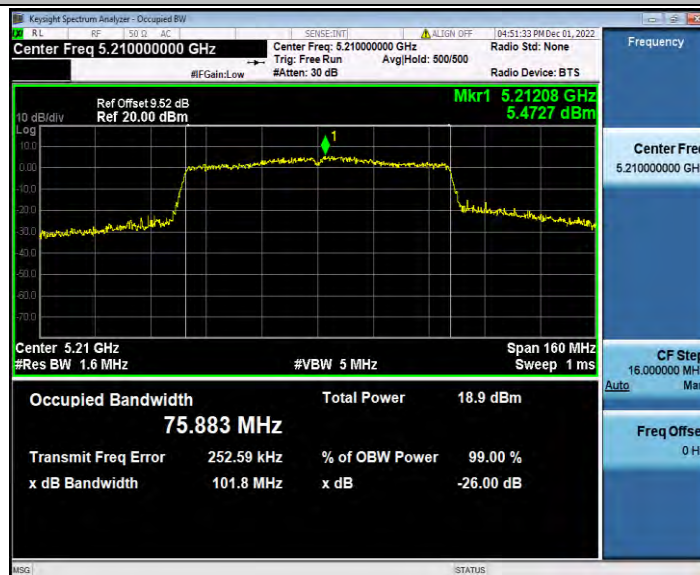
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



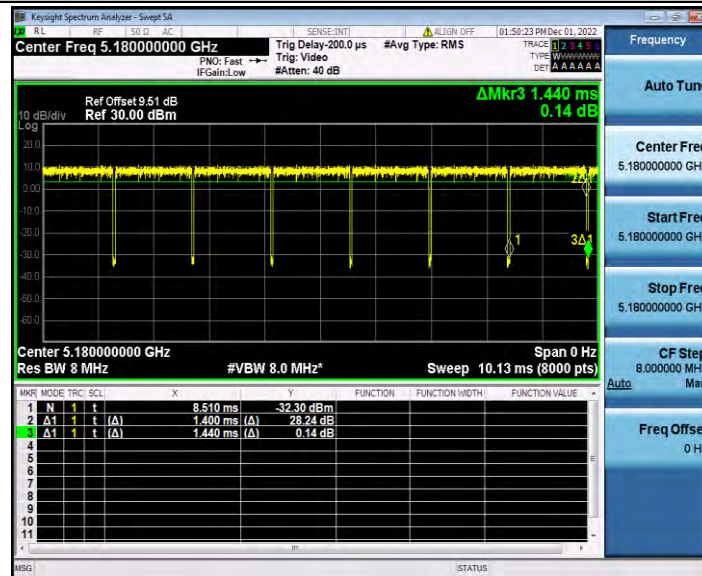
Appendix C.3: Duty Cycle

Test Result

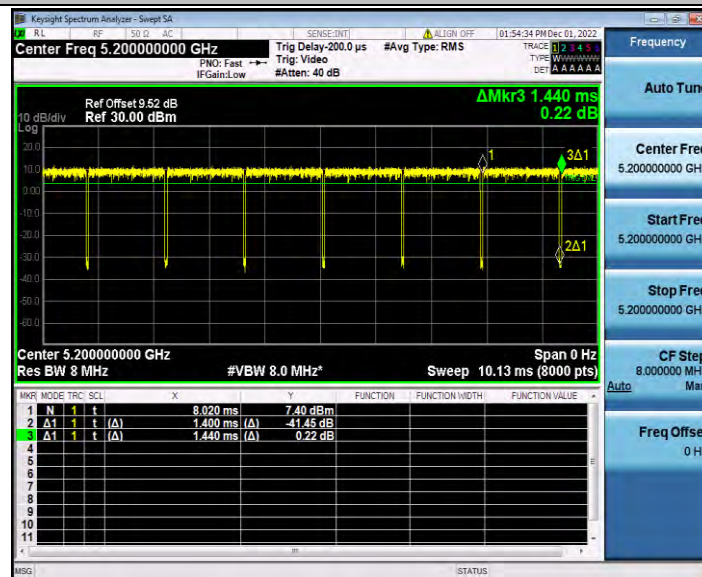
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.44	97.22
		5200	1.40	1.44	97.22
		5240	1.40	1.44	97.22
11N20SISO	Ant1	5180	1.30	1.35	96.30
		5200	1.31	1.35	97.04
		5240	1.30	1.35	96.30
11N40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.69	94.20
11AC20SISO	Ant1	5180	1.31	1.36	96.32
		5200	1.32	1.36	97.06
		5240	1.31	1.35	97.04
11AC40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.66	0.70	94.29
11AC80SISO	Ant1	5210	0.32	0.36	88.89

Test Graphs

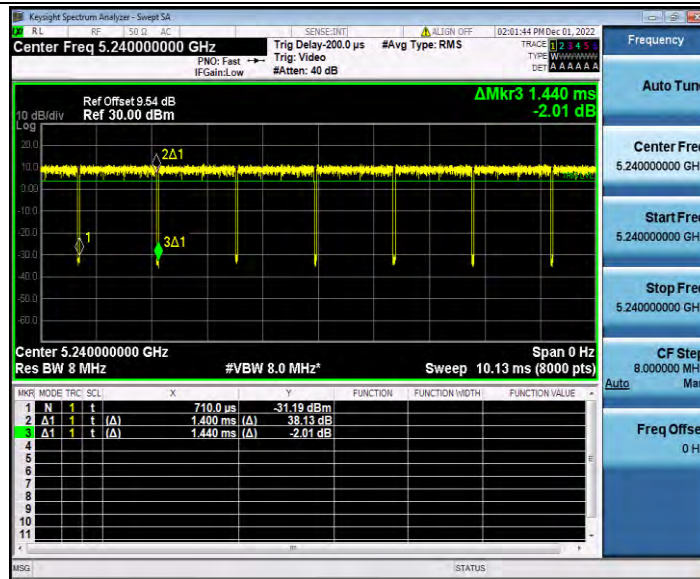
11A_Ant1_5180



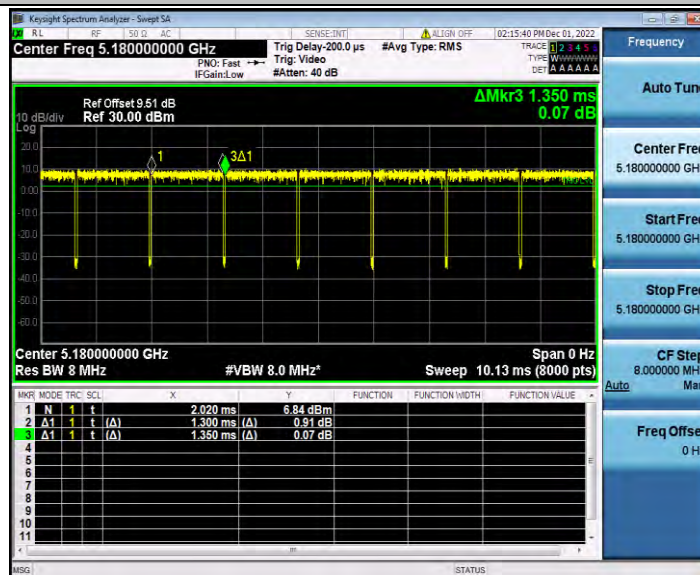
11A_Ant1_5200



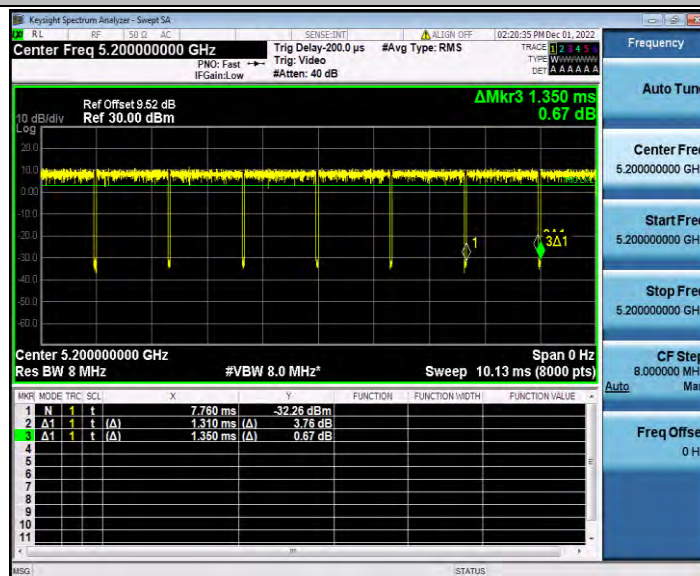
11A_Ant1_5240



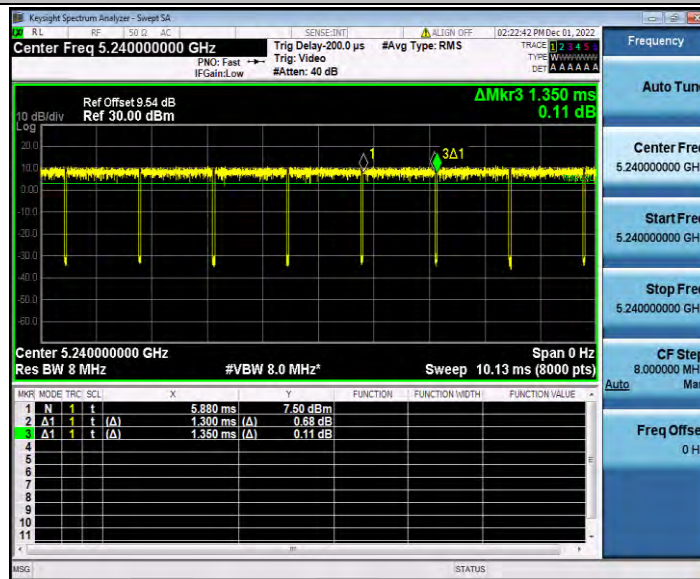
11N20SISO_Ant1_5180



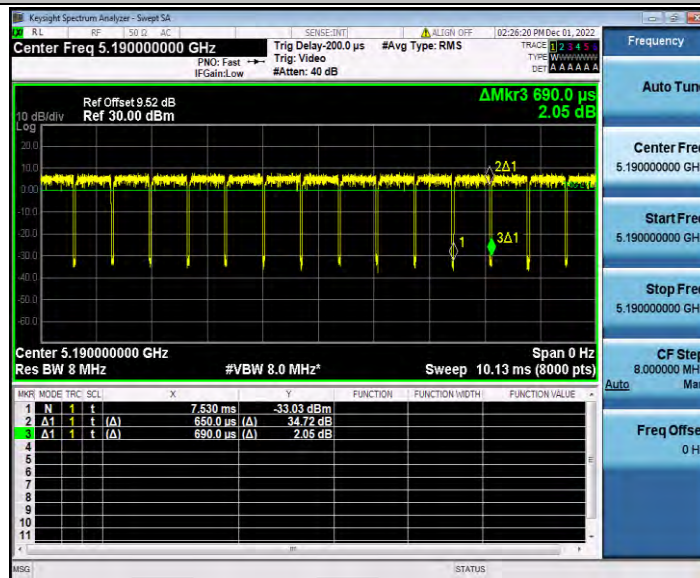
11N20SISO_Ant1_5200



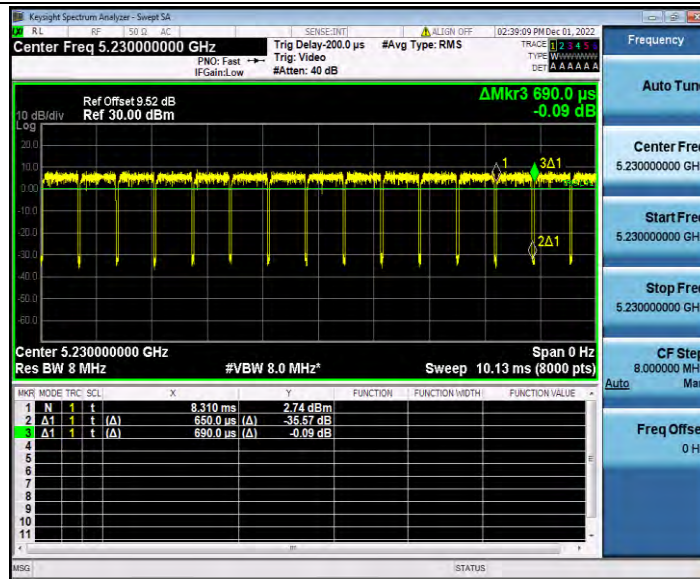
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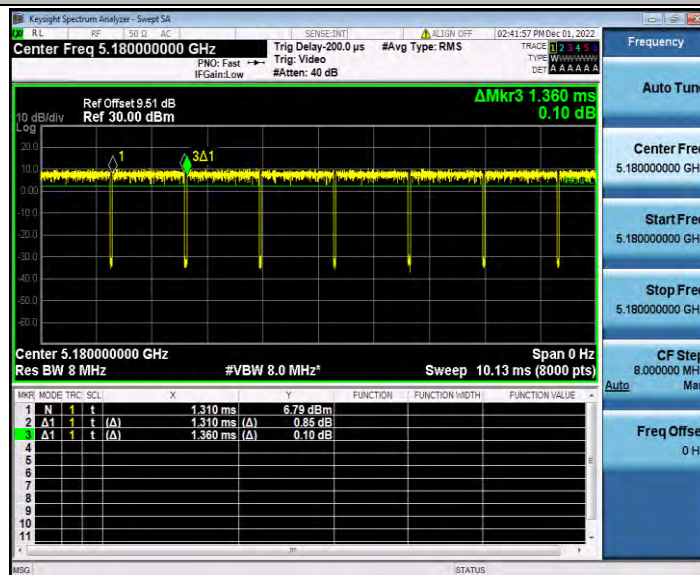
11N40SISO_Ant1_5190



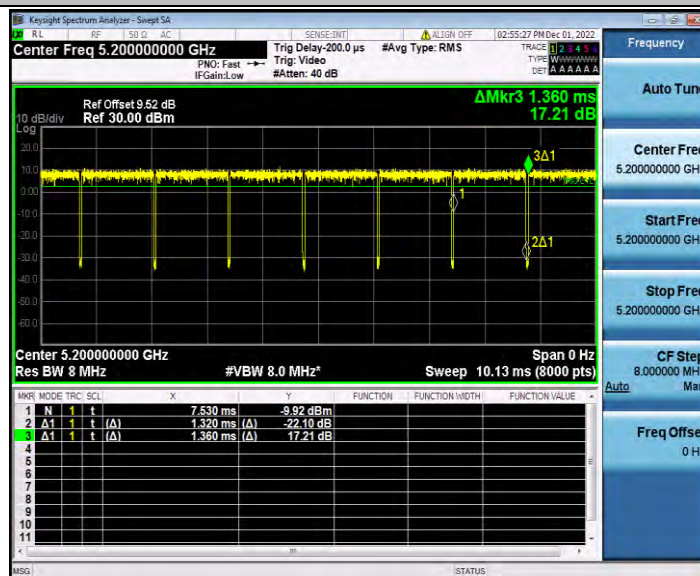
11N40SISO_Ant1_5230



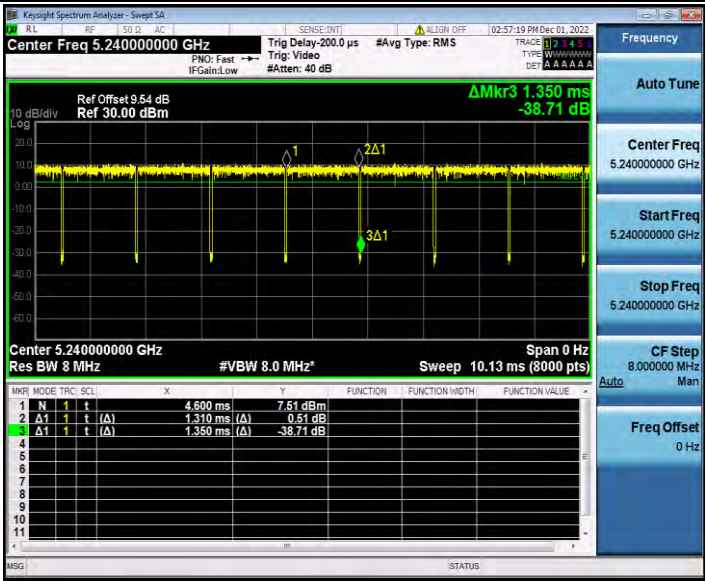
11AC20SISO_Ant1_5180



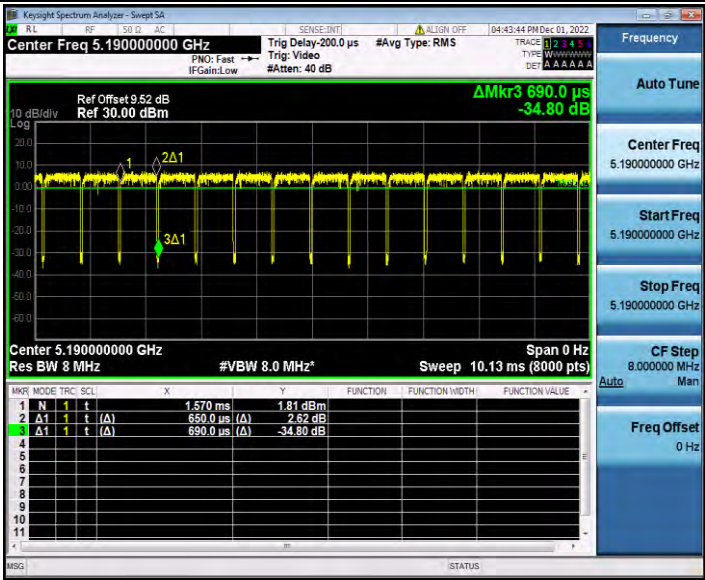
11AC20SISO_Ant1_5200



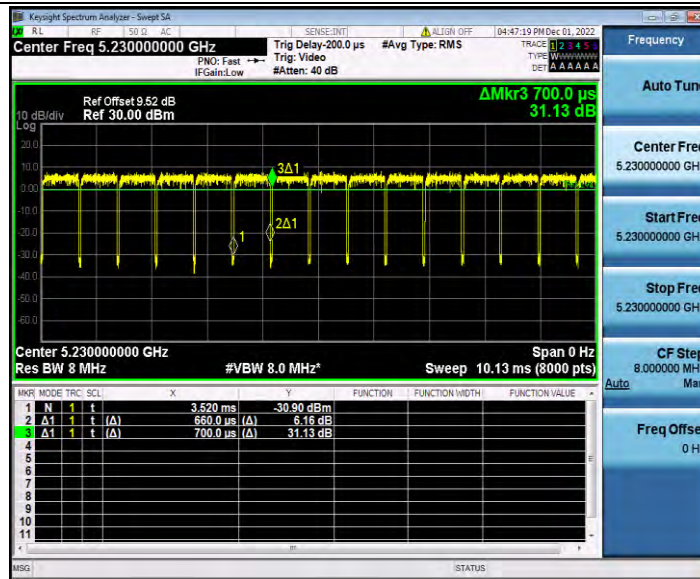
11AC20SISO_Ant1_5240



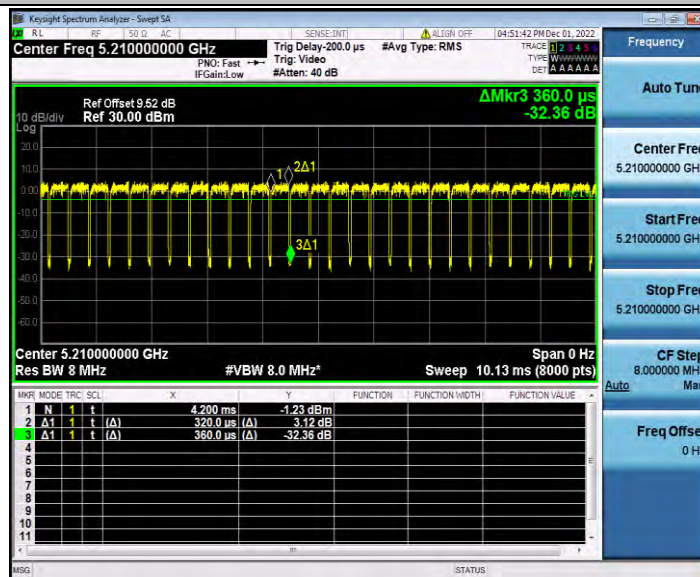
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



Appendix C.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	11.00	97.22	0.12	11.12	≤23.98	PASS
		5200	11.49	97.22	0.12	11.61	≤23.98	PASS
		5240	11.42	97.22	0.12	11.54	≤23.98	PASS
11N20SIS O	Ant1	5180	10.34	96.30	0.16	10.50	≤23.98	PASS
		5200	10.84	97.04	0.13	10.97	≤23.98	PASS
		5240	10.80	96.30	0.16	10.96	≤23.98	PASS
11N40SIS O	Ant1	5190	10.35	94.20	0.26	10.61	≤23.98	PASS
		5230	10.73	94.20	0.26	10.99	≤23.98	PASS
11AC20SIS O	Ant1	5180	10.35	96.32	0.16	10.51	≤23.98	PASS
		5200	10.77	97.06	0.13	10.90	≤23.98	PASS
		5240	10.47	97.04	0.13	10.60	≤23.98	PASS
11AC40SIS O	Ant1	5190	9.94	94.20	0.26	10.20	≤23.98	PASS
		5230	10.25	94.29	0.26	10.51	≤23.98	PASS
11AC80SIS O	Ant1	5210	9.56	88.89	0.51	10.07	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix C.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.42	≤11.00	PASS
		5200	6.71	≤11.00	PASS
		5240	6.77	≤11.00	PASS
11N20SISO	Ant1	5180	5.52	≤11.00	PASS
		5200	6.11	≤11.00	PASS
		5240	5.72	≤11.00	PASS
11N40SISO	Ant1	5190	2.49	≤11.00	PASS
		5230	3.29	≤11.00	PASS
11AC20SISO	Ant1	5180	5.31	≤11.00	PASS
		5200	5.84	≤11.00	PASS
		5240	5.67	≤11.00	PASS
11AC40SISO	Ant1	5190	2.05	≤11.00	PASS
		5230	2.76	≤11.00	PASS
11AC80SISO	Ant1	5210	-0.4	≤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



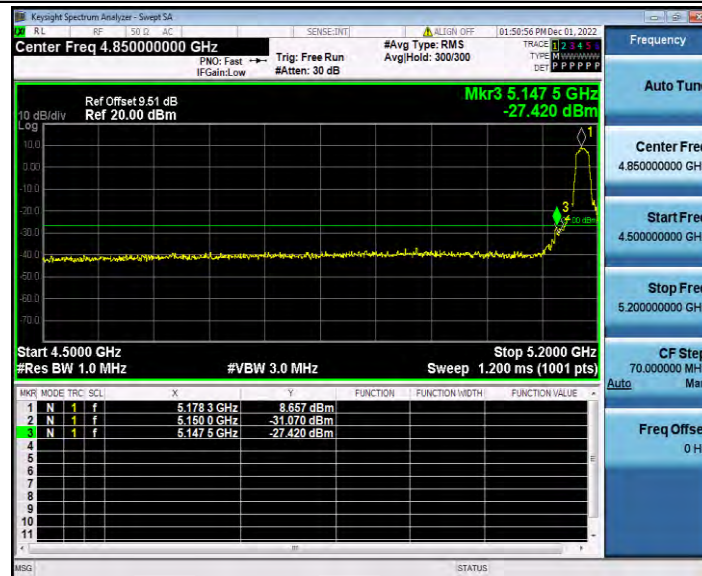
Appendix C.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-27.42	≤-27	PASS
		High	5240	-37.62	≤-27	PASS
11N20SISO	Ant1	Low	5180	-31.03	≤-27	PASS
		High	5240	-36.88	≤-27	PASS
11N40SISO	Ant1	Low	5190	-29.99	≤-27	PASS
		High	5230	-38.34	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-32.54	≤-27	PASS
		High	5240	-37.56	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-30.72	≤-27	PASS
		High	5230	-37.72	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-29.83	≤-27	PASS
		High	5210	-37.06	≤-27	PASS

Test Graphs B1

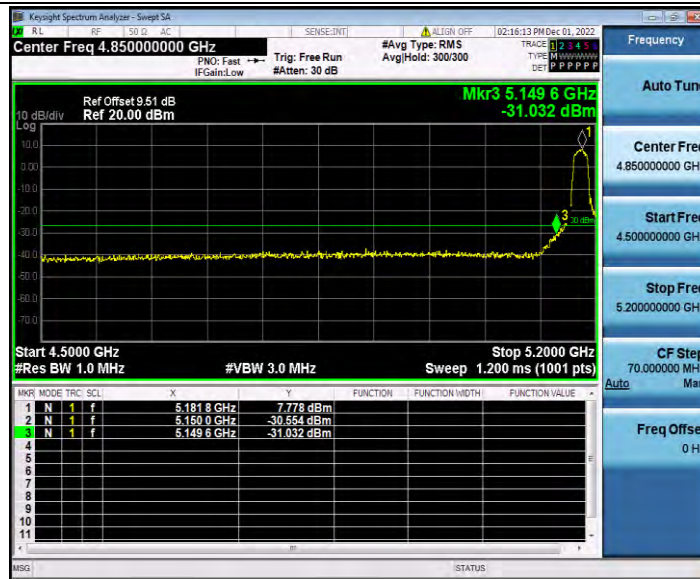
11A_Ant1_Low_5180



11A_Ant1_High_5240



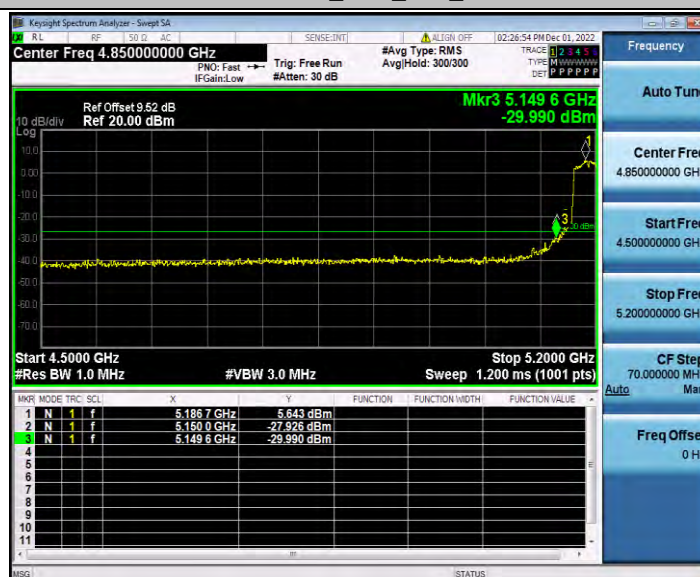
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



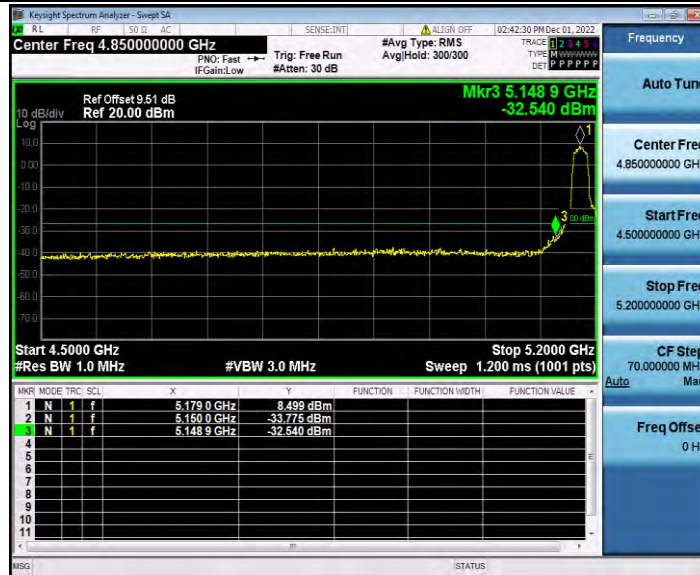
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



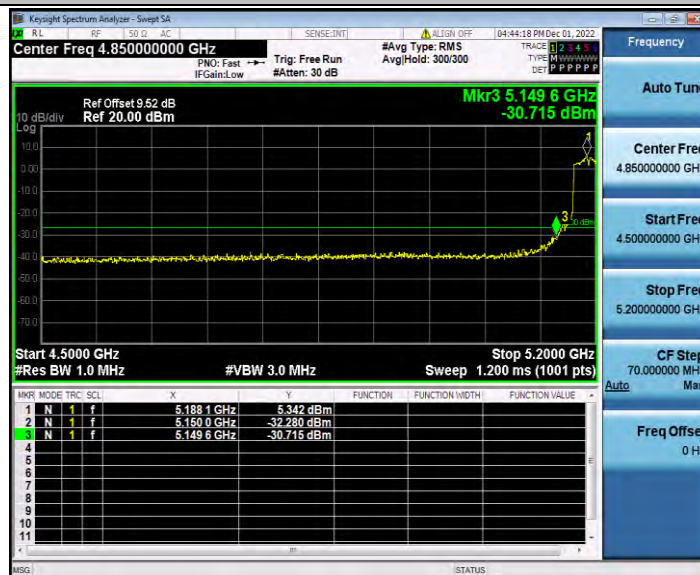
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



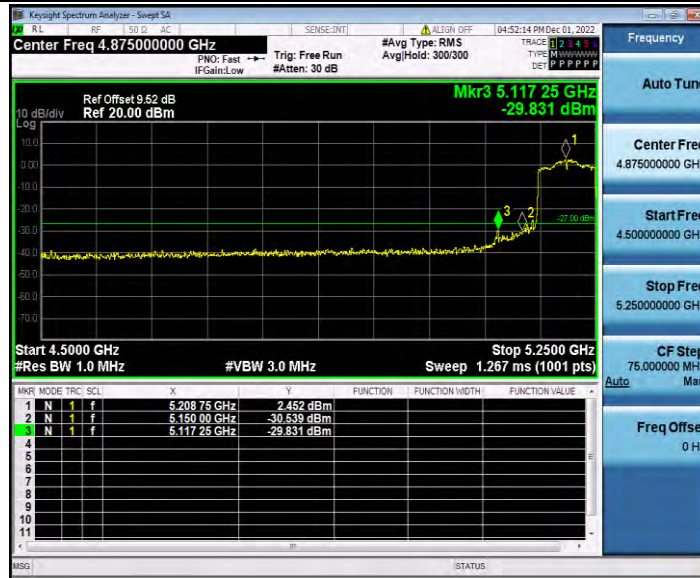
11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix C.7: Conducted Spurious Emission

Test Result

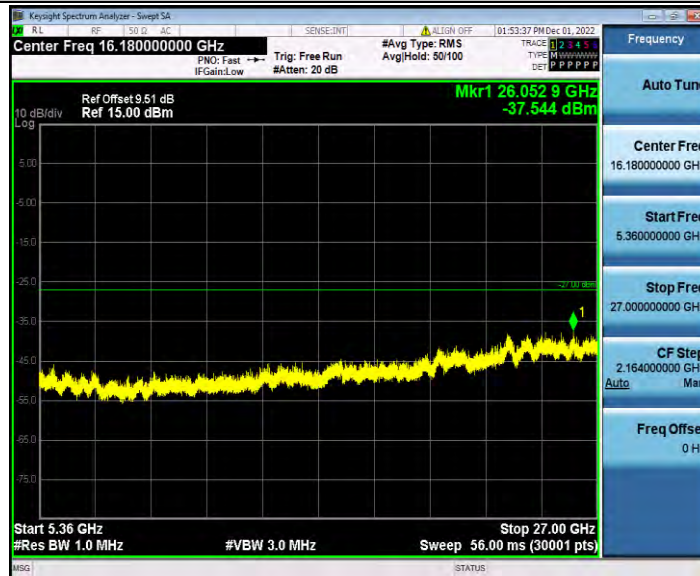
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5139.32	-39.57	≤-27	PASS
			5360~40000	26052.89	-37.54	≤-27	PASS
		5200	30~5140	5139.83	-44.3	≤-27	PASS
			5360~40000	26125.02	-37.97	≤-27	PASS
		5240	30~5140	3191.9	-46.8	≤-27	PASS
			5360~40000	25274.57	-38.43	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5139.49	-36.98	≤-27	PASS
			5360~40000	23541.21	-38.22	≤-27	PASS
		5200	30~5140	1746.96	-43.65	≤-27	PASS
			5360~40000	26104.1	-37.83	≤-27	PASS
		5240	30~5140	4938.16	-46.77	≤-27	PASS
			5360~40000	26798.03	-38.24	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5139.66	-34.5	≤-27	PASS
			5360~40000	24887.94	-37.63	≤-27	PASS
		5230	30~5140	5135.74	-45.33	≤-27	PASS
			5360~40000	24749.44	-38.31	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5136.76	-39.57	≤-27	PASS
			5360~40000	24789.11	-38.23	≤-27	PASS
		5200	30~5140	5138.98	-46.51	≤-27	PASS
			5360~40000	24854.03	-38.39	≤-27	PASS
		5240	30~5140	4873.77	-46.63	≤-27	PASS
			5360~40000	25048.79	-38.37	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5137.27	-37.67	≤-27	PASS
			5360~40000	26655.92	-38.24	≤-27	PASS
		5230	30~5140	5135.74	-44.86	≤-27	PASS
			5360~40000	26792.26	-37.07	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5124.33	-31.81	≤-27	PASS
			5360~40000	24313.75	-37.37	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



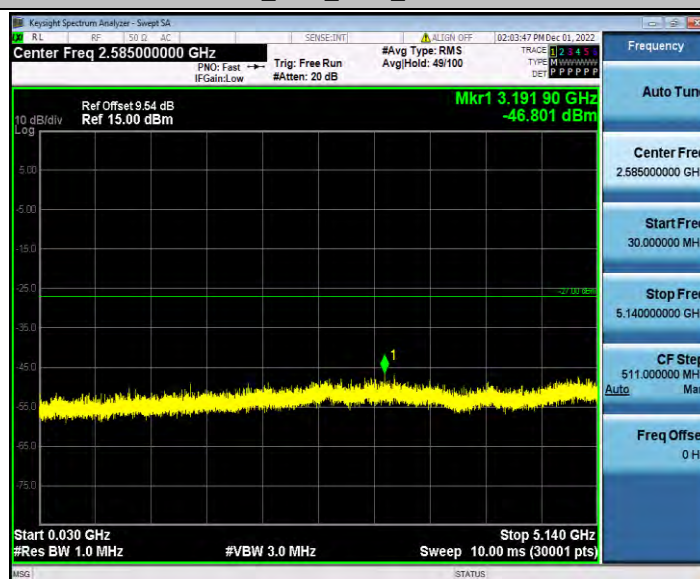
11A_Ant1_5200_30~5140



11A_Ant1_5200_5360~40000



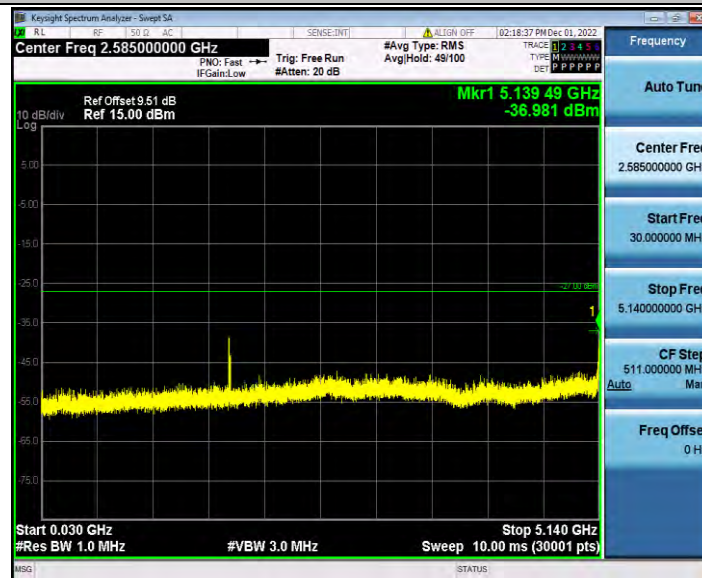
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



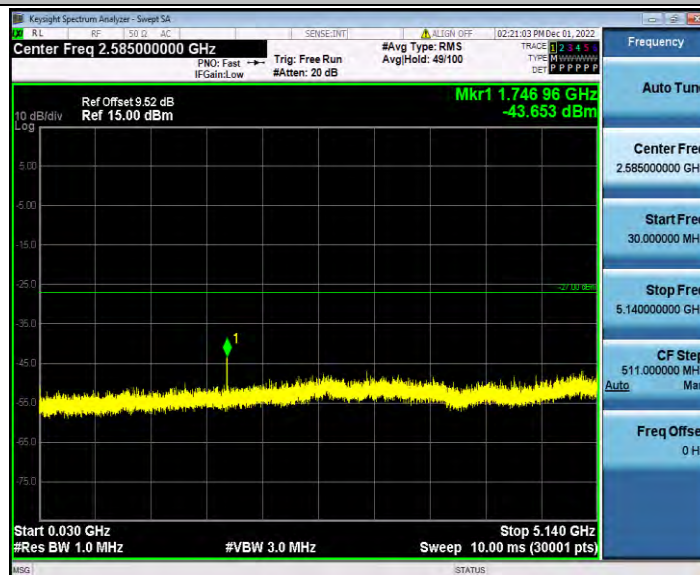
11N20SISO_Ant1_5180_30~5140



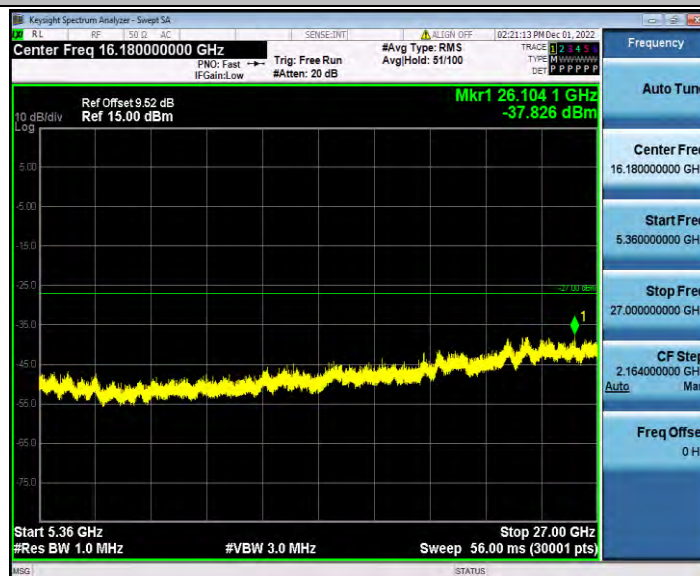
11N20SISO_Ant1_5180_5360~40000



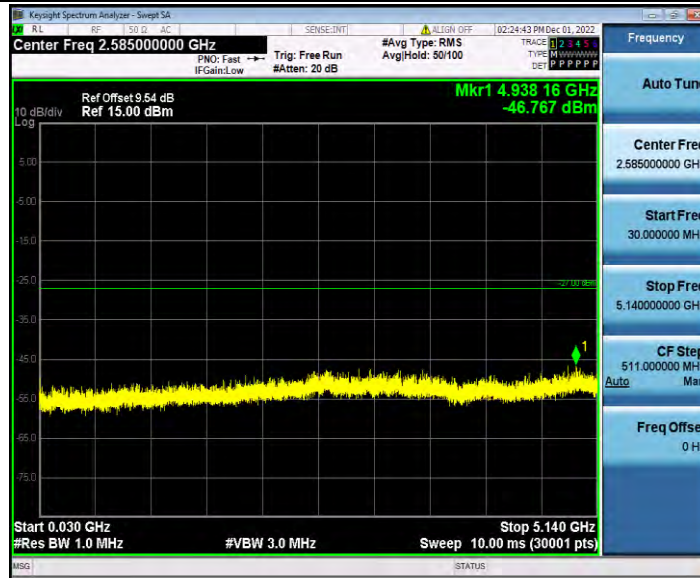
11N20SISO_Ant1_5200_30~5140



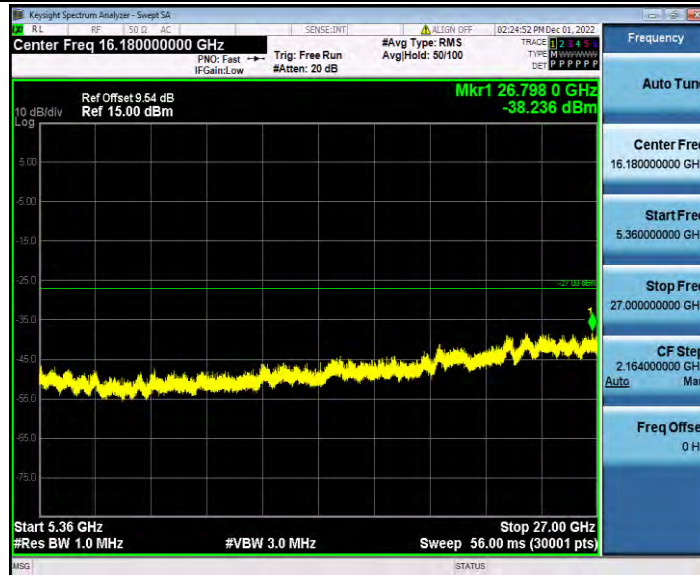
11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



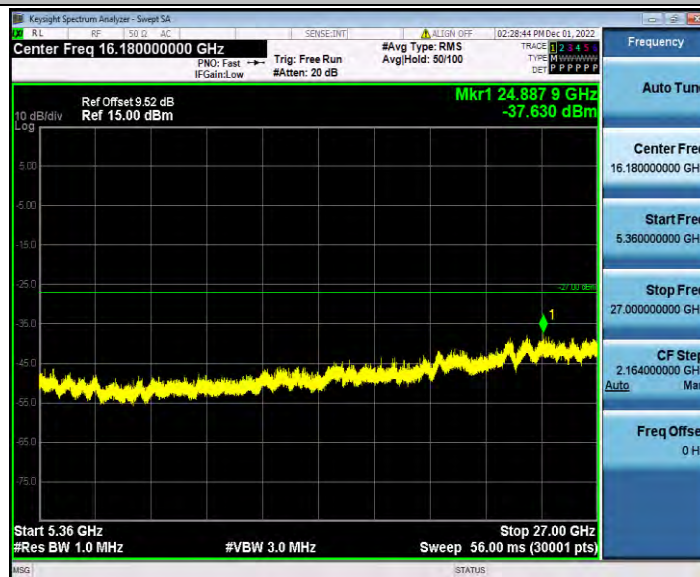
11N20SISO_Ant1_5240_5360~40000



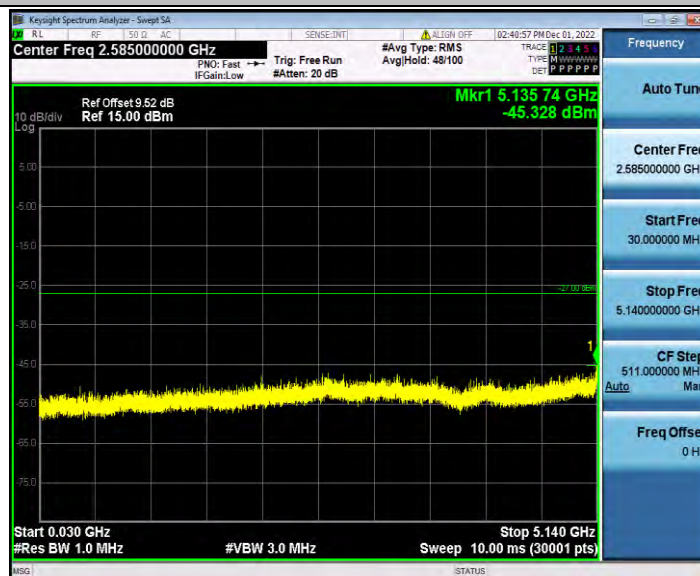
11N40SISO_Ant1_5190_30~5140



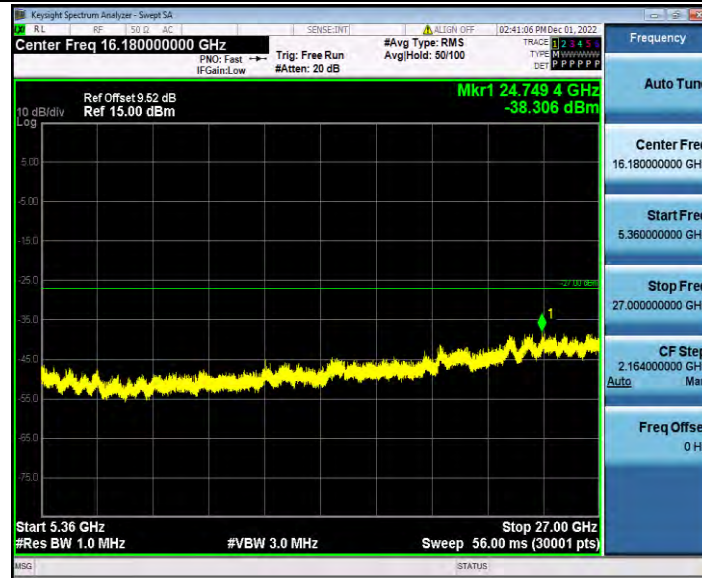
11N40SISO_Ant1_5190_5360~40000



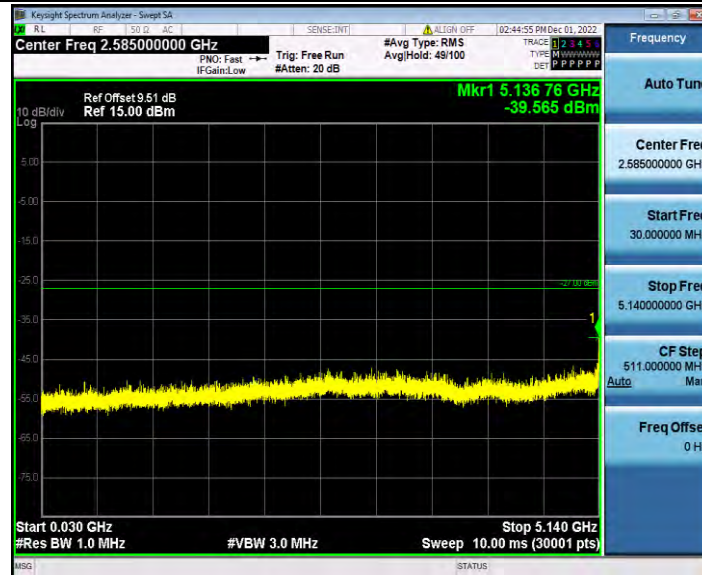
11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~40000



11AC20SISO_Ant1_5180_30~5140



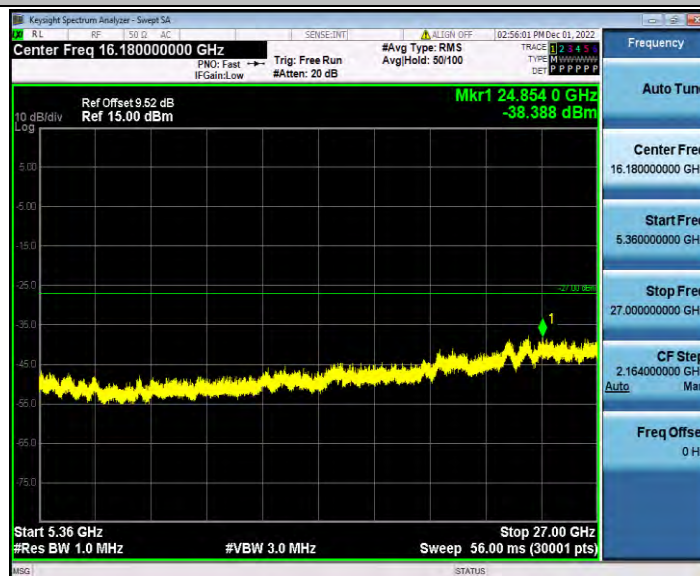
11AC20SISO_Ant1_5180_5360~40000



11AC20SISO_Ant1_5200_30~5140



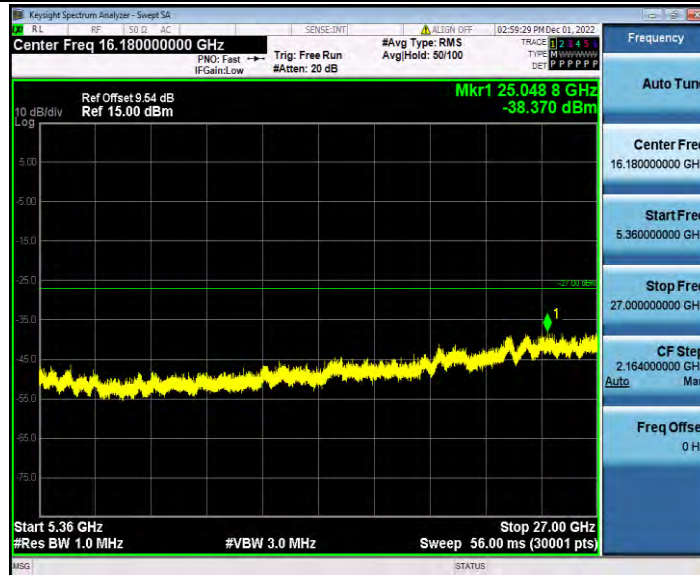
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11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~40000



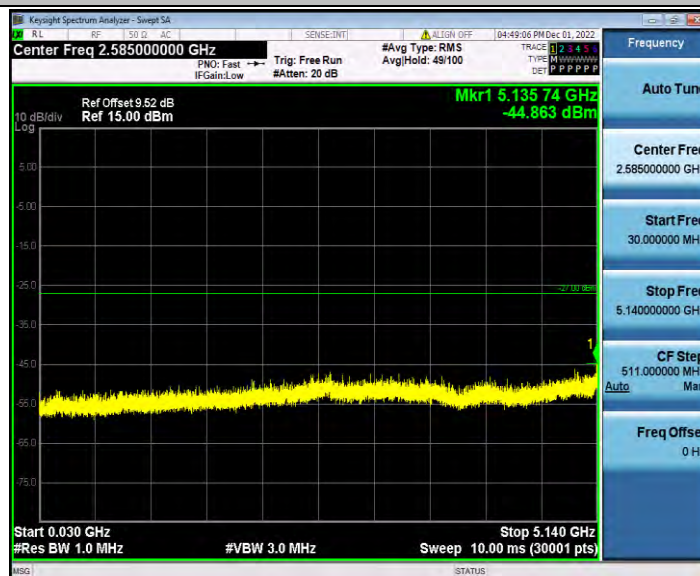
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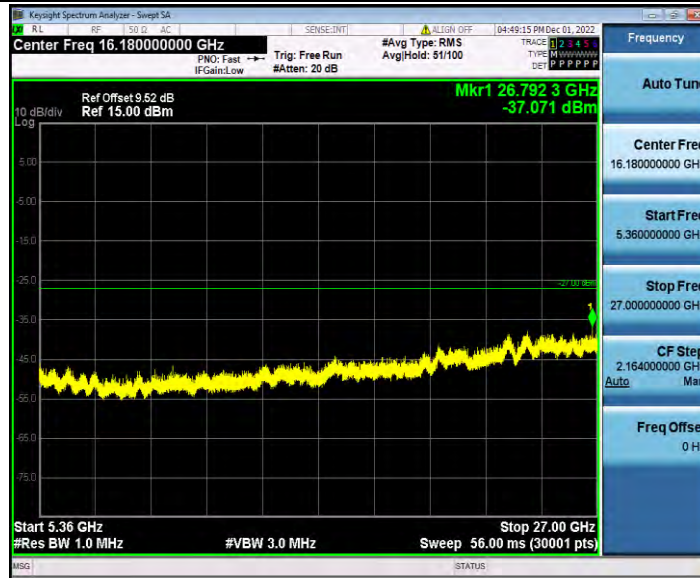
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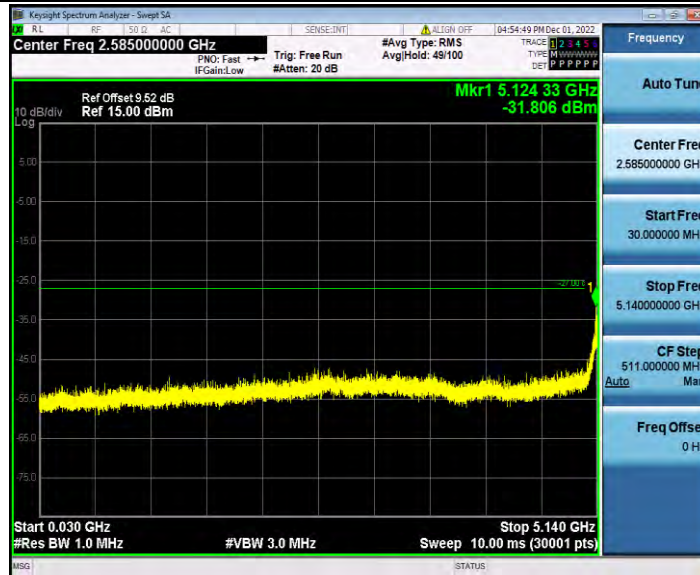
11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

