

Case No. : <u>GTS20250213022-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.2.17—2025.3.4</u>	Test Engineer: <u>Evan ouyang</u>

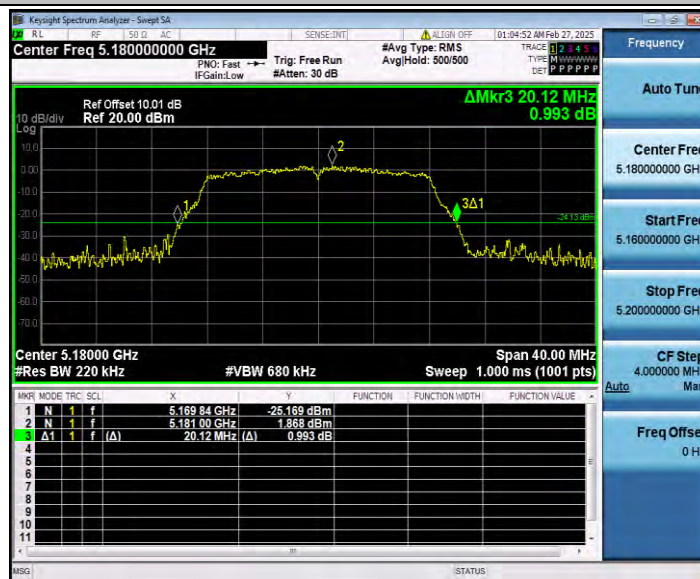
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	20.120	5169.840	5189.960	---	---
		5200	20.040	5190.000	5210.040	---	---
		5240	20.000	5229.960	5249.960	---	---
11N20SISO	Ant2	5180	20.280	5169.840	5190.120	---	---
		5200	20.240	5189.840	5210.080	---	---
		5240	20.160	5229.920	5250.080	---	---
11N40SISO	Ant2	5190	40.720	5169.680	5210.400	---	---
		5230	40.720	5209.760	5250.480	---	---
11AC20SISO	Ant2	5180	20.400	5169.800	5190.200	---	---
		5200	20.280	5189.880	5210.160	---	---
		5240	20.280	5229.840	5250.120	---	---
11AC40SISO	Ant2	5190	40.720	5169.760	5210.480	---	---
		5230	40.480	5209.920	5250.400	---	---
11AC80SISO	Ant2	5210	81.280	5169.360	5250.640	---	---

Test Graphs

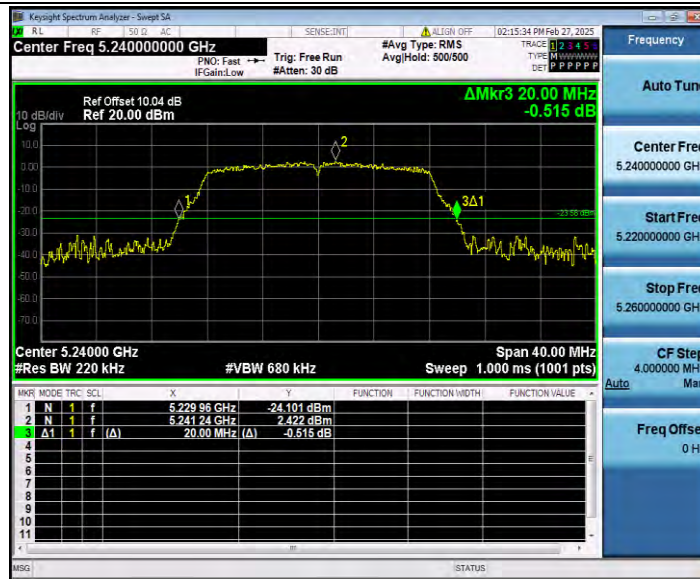
11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



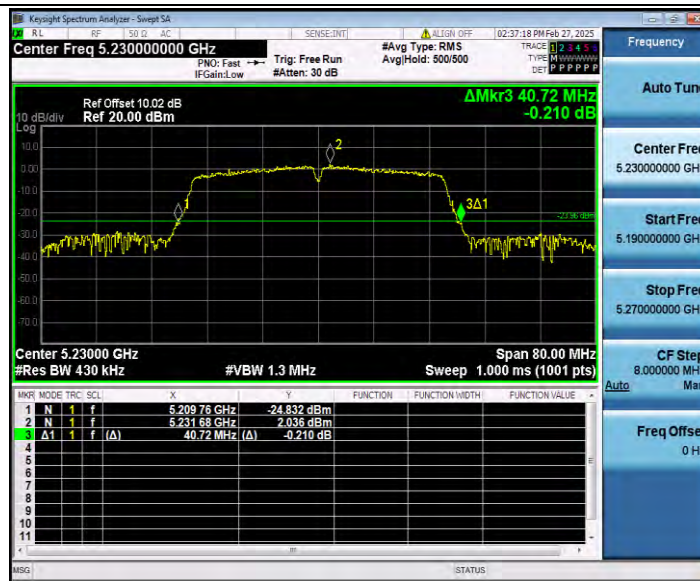
11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



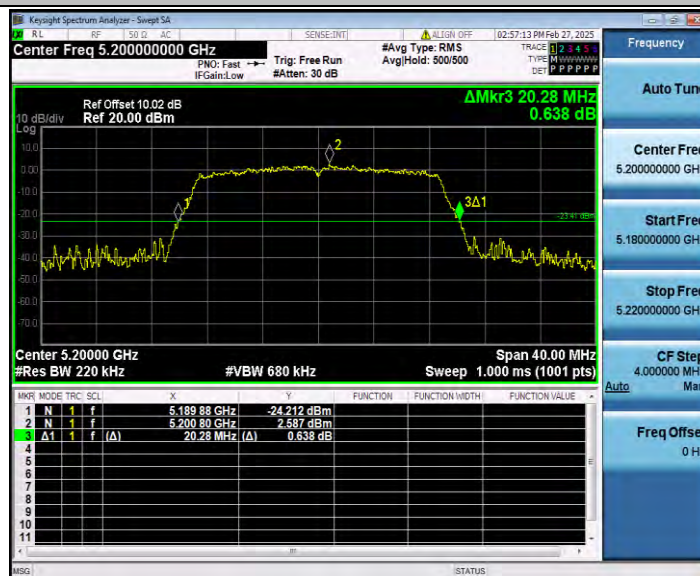
11N40SISO_Ant2_5230



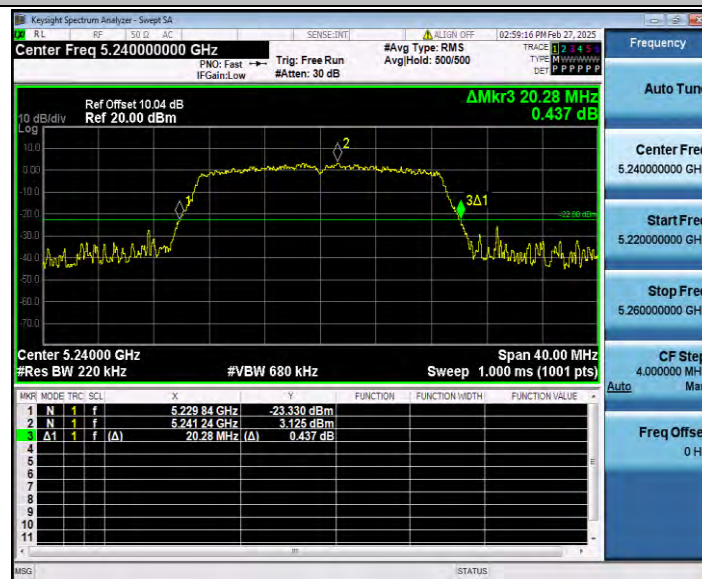
11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



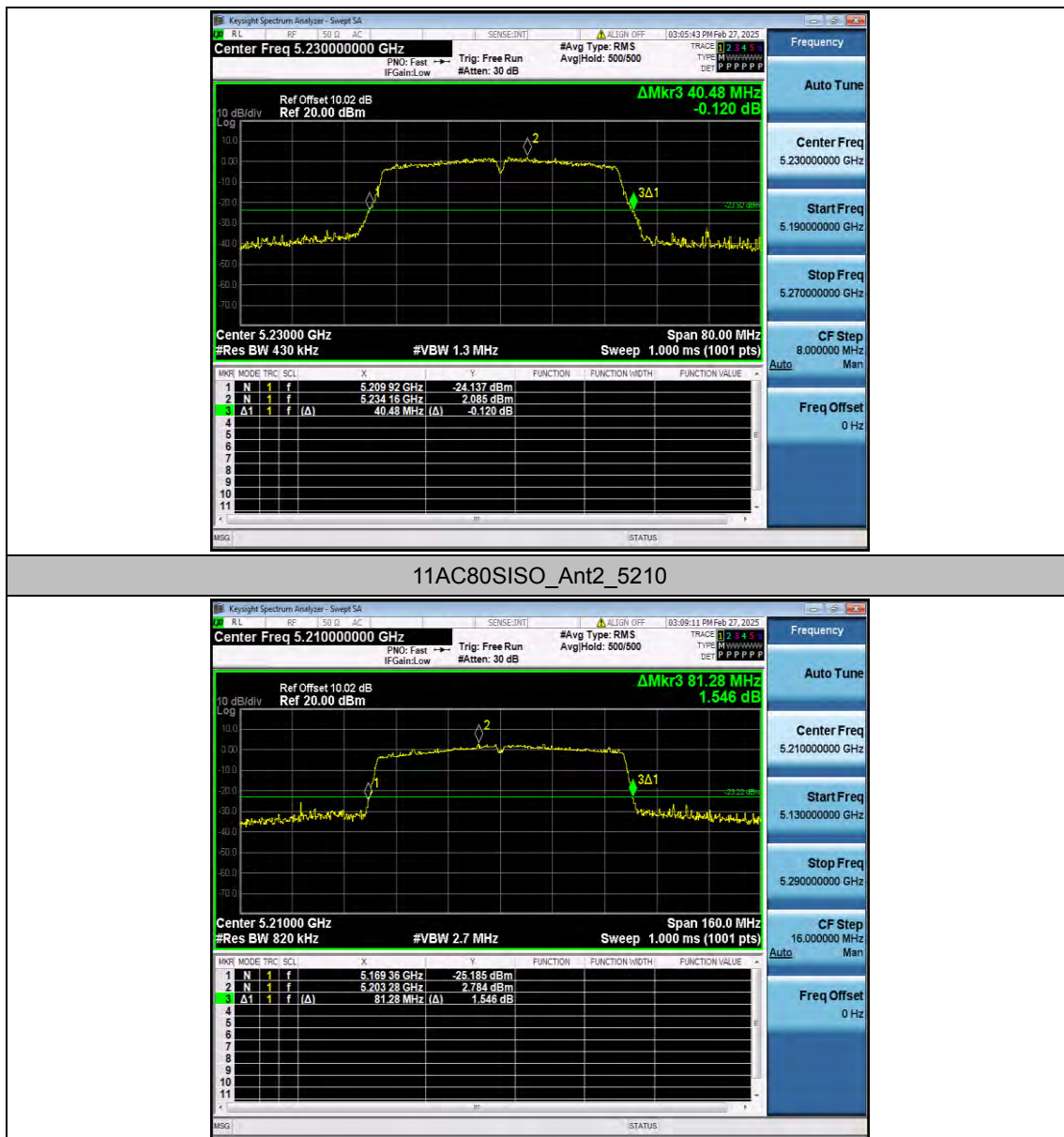
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230

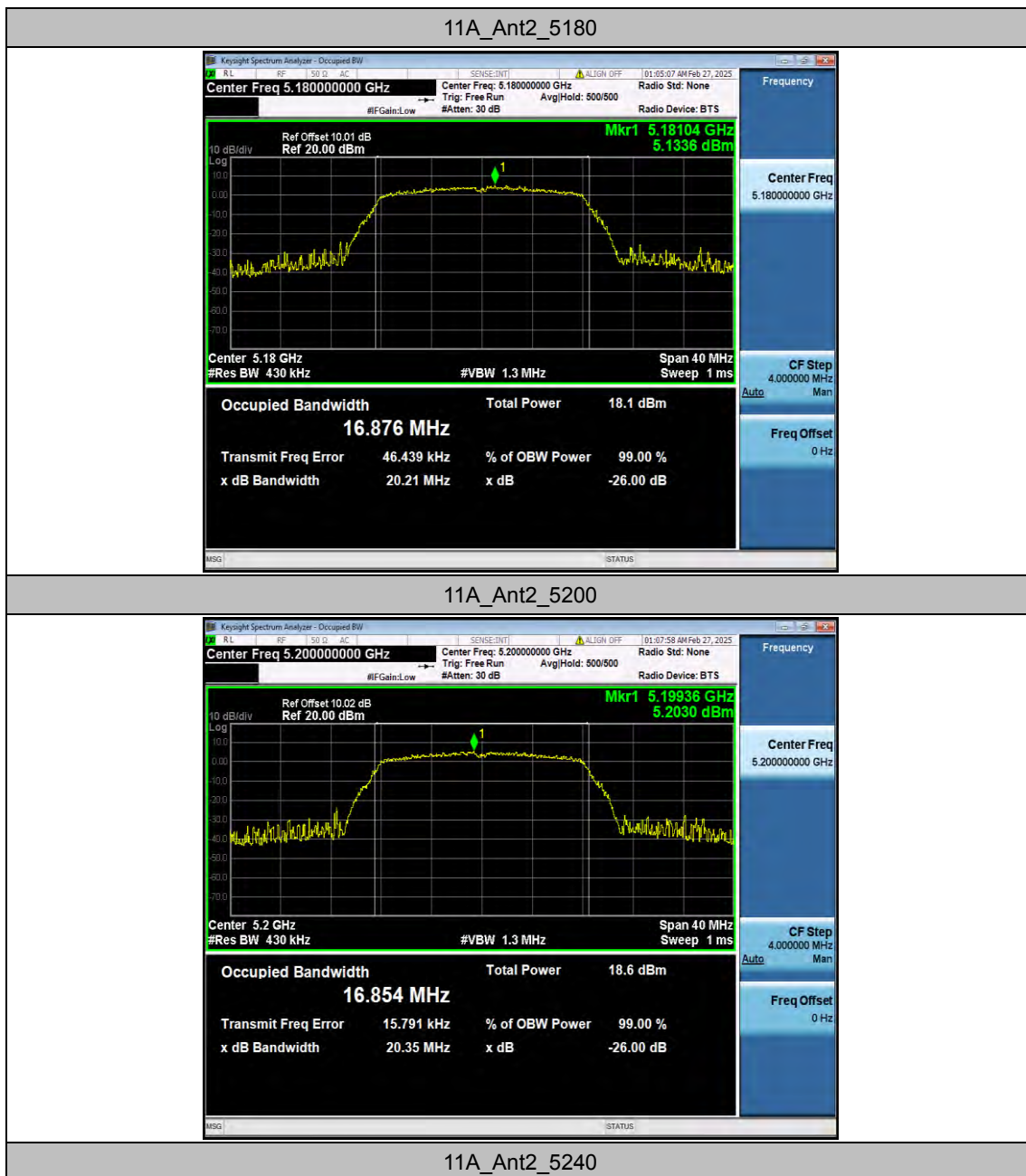


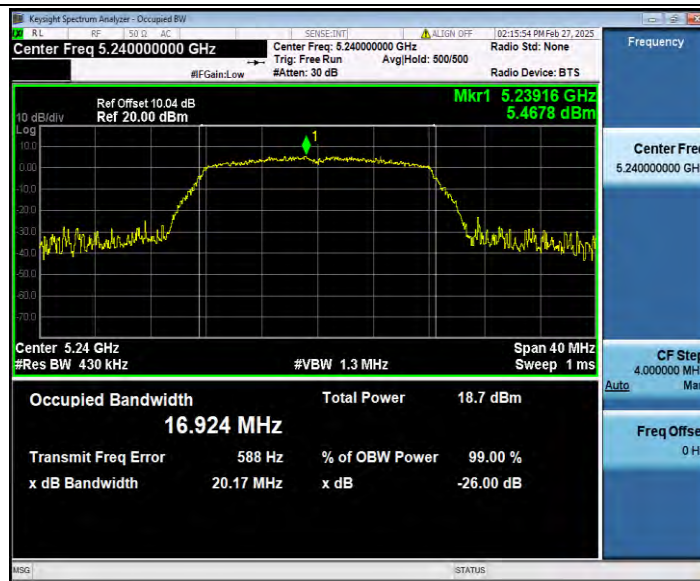
Appendix D.2: Occupied channel bandwidth

Test Result

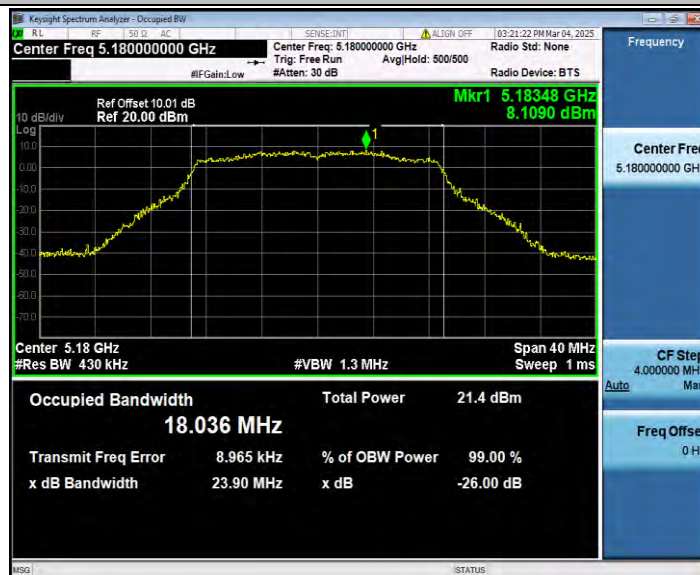
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	16.876	5171.6084	5188.4844	---	---
		5200	16.854	5191.5888	5208.4428	---	---
		5240	16.924	5231.5386	5248.4626	---	---
11N20SISO	Ant2	5180	18.036	5170.9910	5189.0270	---	---
		5200	17.992	5191.0014	5208.9934	---	---
		5240	18.017	5230.9205	5248.9375	---	---
11N40SISO	Ant2	5190	36.359	5171.9157	5208.2747	---	---
		5230	36.366	5211.8655	5248.2315	---	---
11AC20SISO	Ant2	5180	17.830	5171.1158	5188.9458	---	---
		5200	17.832	5191.1134	5208.9454	---	---
		5240	17.849	5231.0781	5248.9271	---	---
11AC40SISO	Ant2	5190	36.256	5171.9887	5208.2447	---	---
		5230	36.285	5211.8767	5248.1617	---	---
11AC80SISO	Ant2	5210	75.208	5172.6814	5247.8894	---	---

Test Graphs





11N20SISO_Ant2_5180



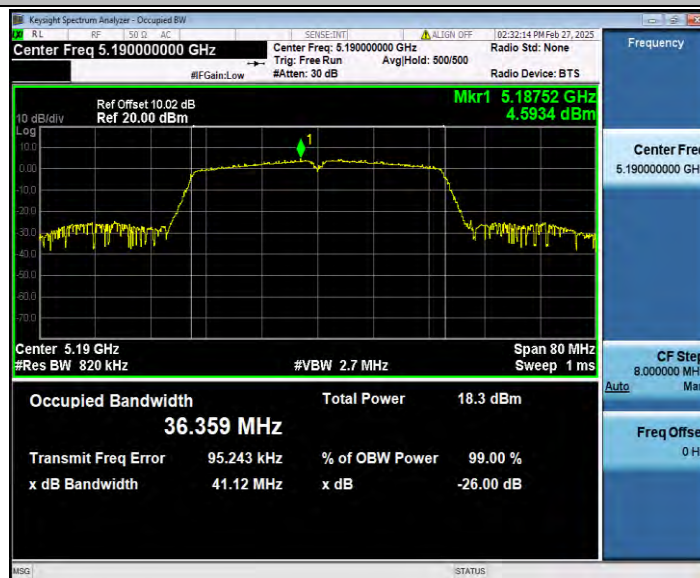
11N20SISO_Ant2_5200



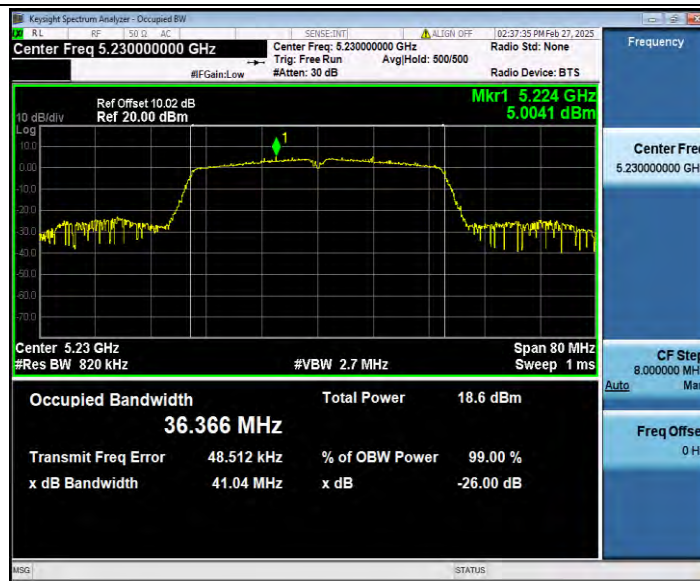
11N20SISO_Ant2_5240



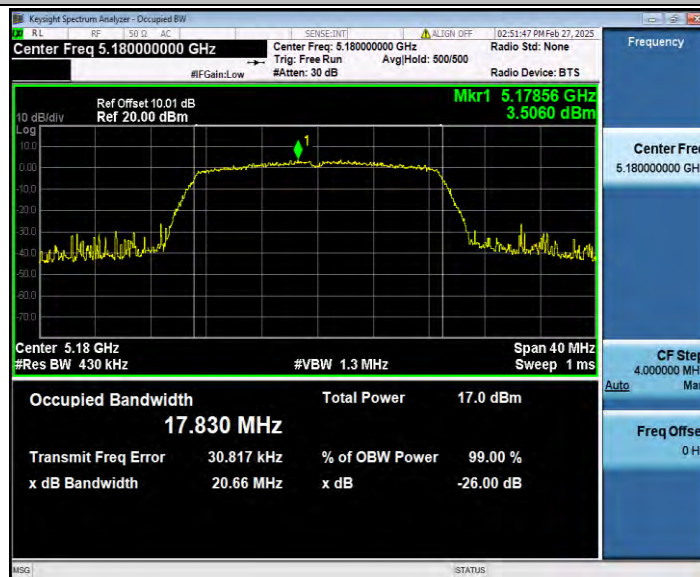
11N40SISO_Ant2_5190



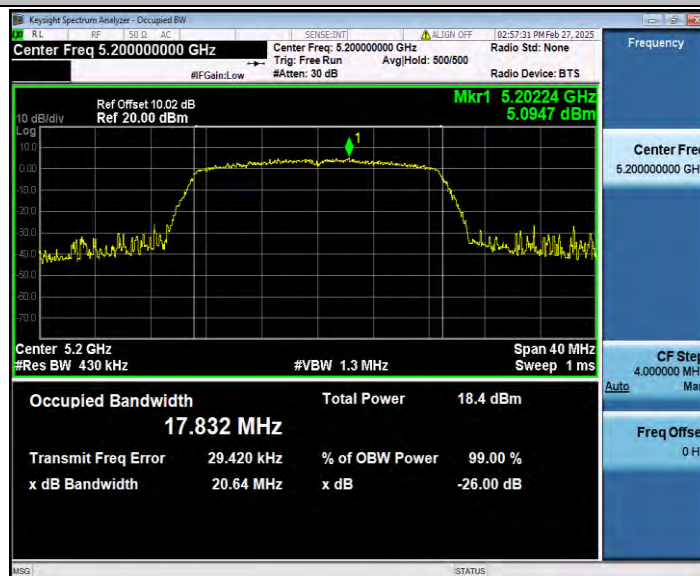
11N40SISO_Ant2_5230



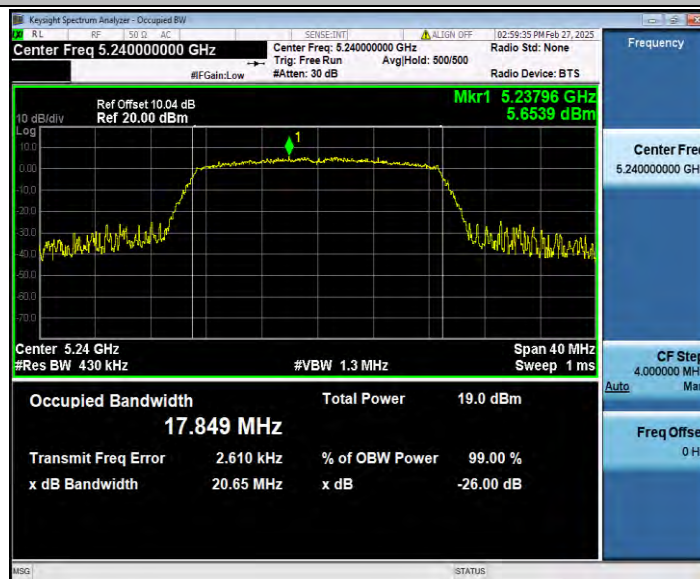
11AC20SISO_Ant2_5180



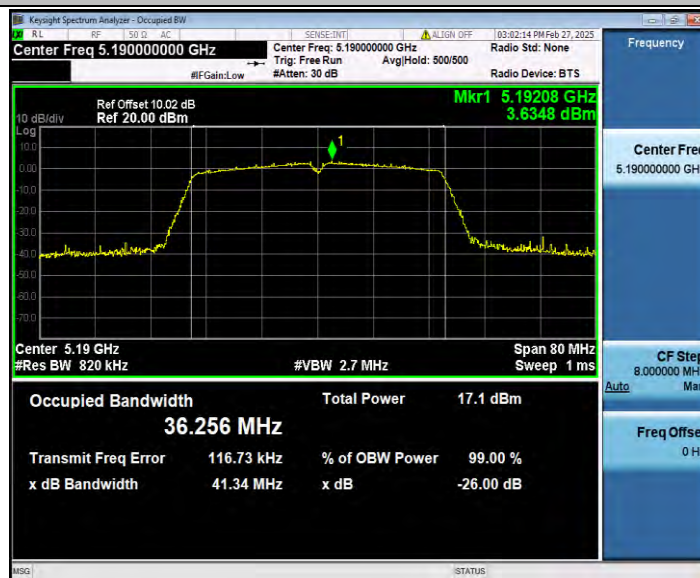
11AC20SISO_Ant2_5200



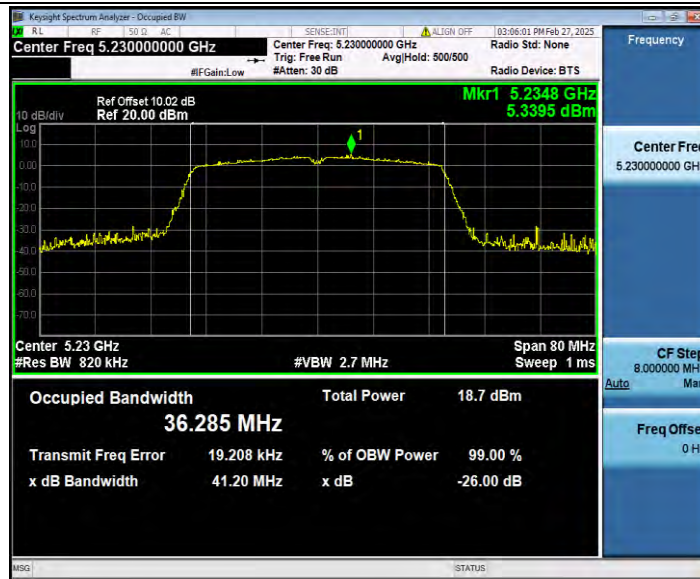
11AC20SISO_Ant2_5240



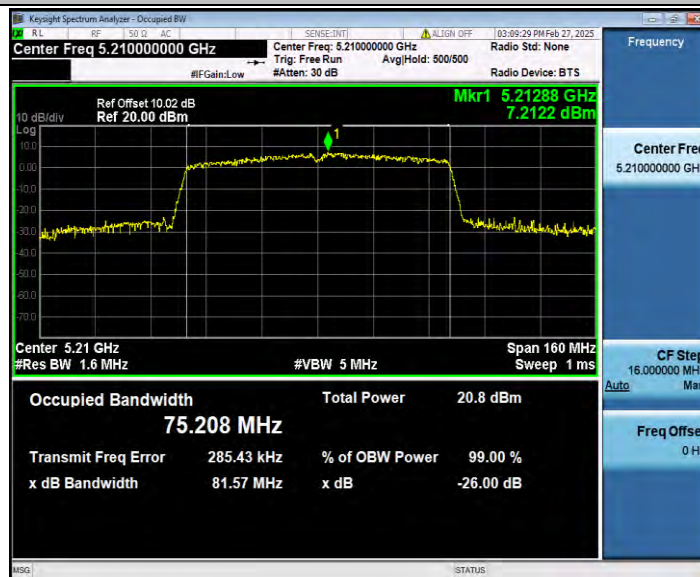
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



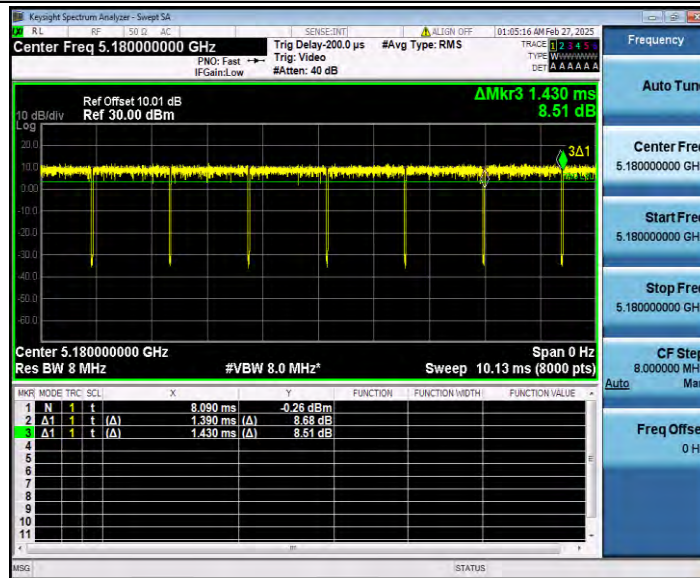
Appendix D.3: Duty Cycle

Test Result

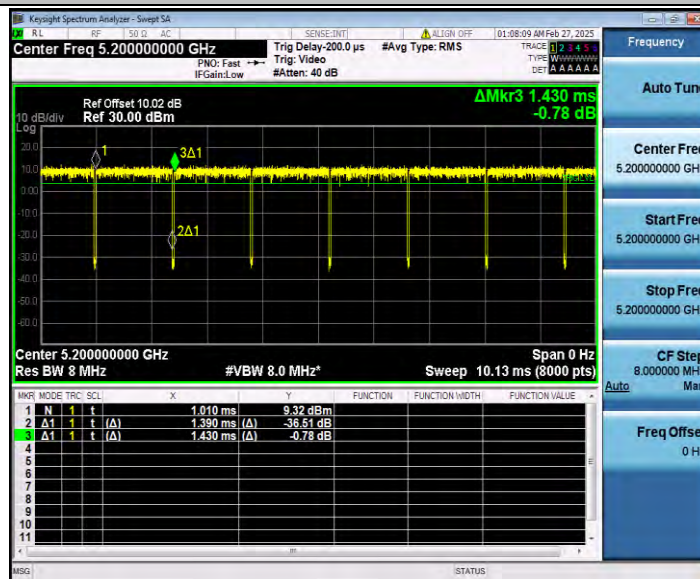
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	1.39	1.43	97.20	0.12	0.72
		5200	1.39	1.43	97.20	0.12	0.72
		5240	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant2	5180	1.30	1.33	97.74	0.10	0.77
		5200	1.30	1.34	97.01	0.13	0.77
		5240	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant2	5190	0.65	0.69	94.20	0.26	1.54
		5230	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant2	5180	1.31	1.34	97.76	0.10	0.76
		5200	1.31	1.35	97.04	0.13	0.76
		5240	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant2	5190	0.65	0.69	94.20	0.26	1.54
		5230	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant2	5210	0.32	0.36	88.89	0.51	3.13

Test Graphs

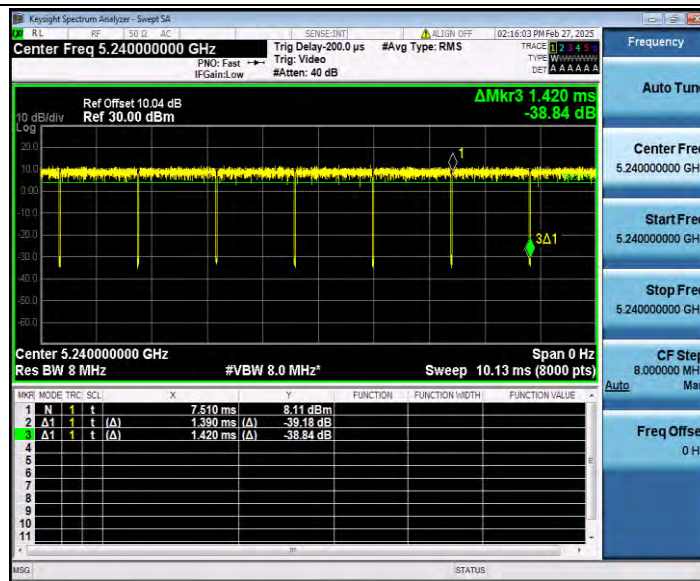
11A_Ant2_5180



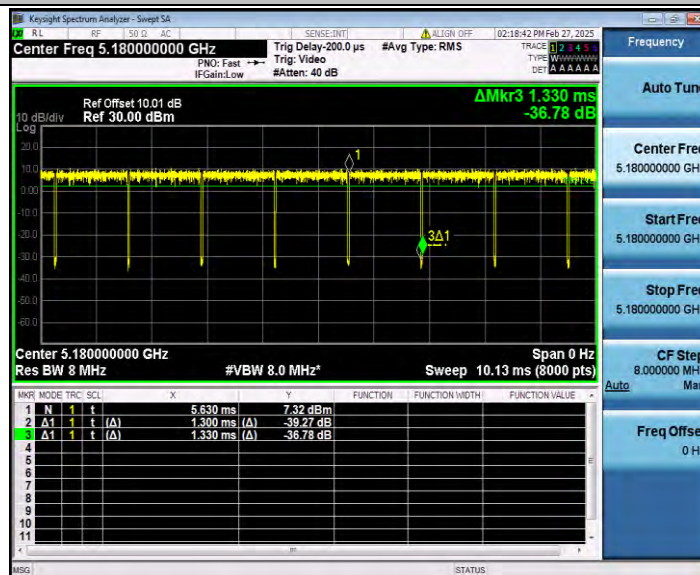
11A_Ant2_5200



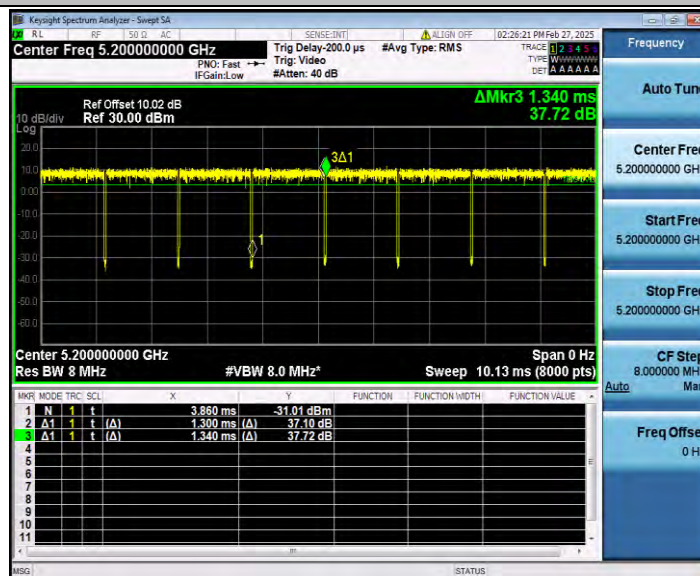
11A_Ant2_5240



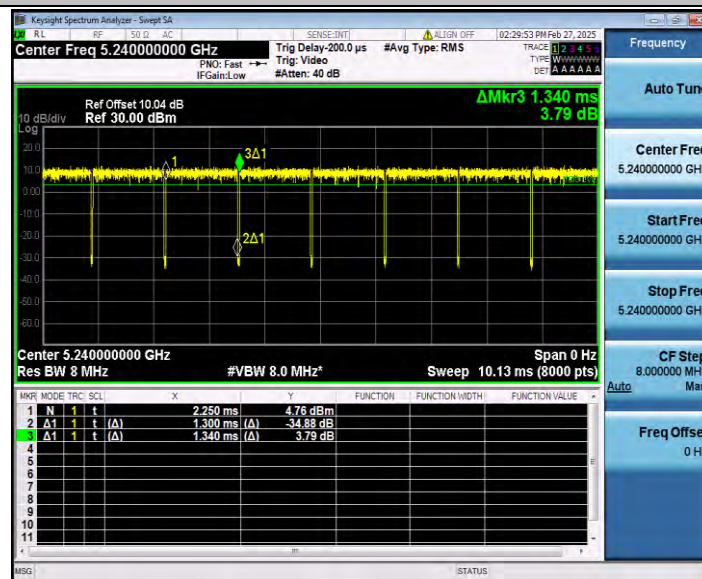
11N20SISO_Ant2_5180



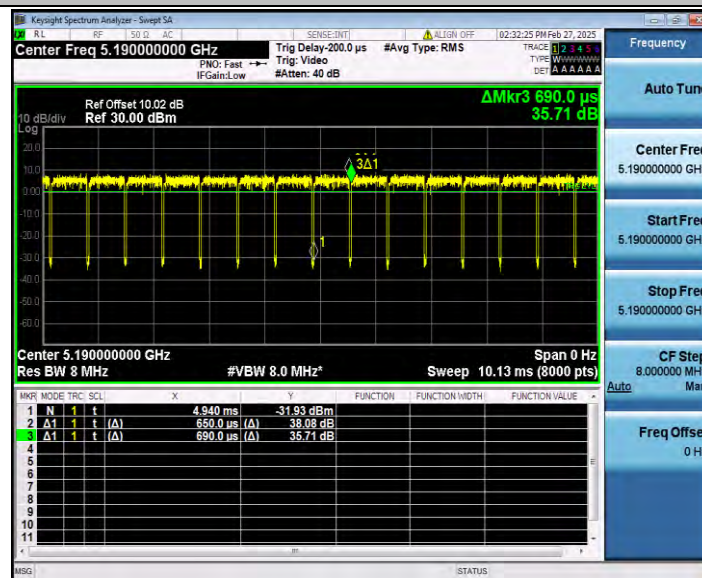
11N20SISO_Ant2_5200



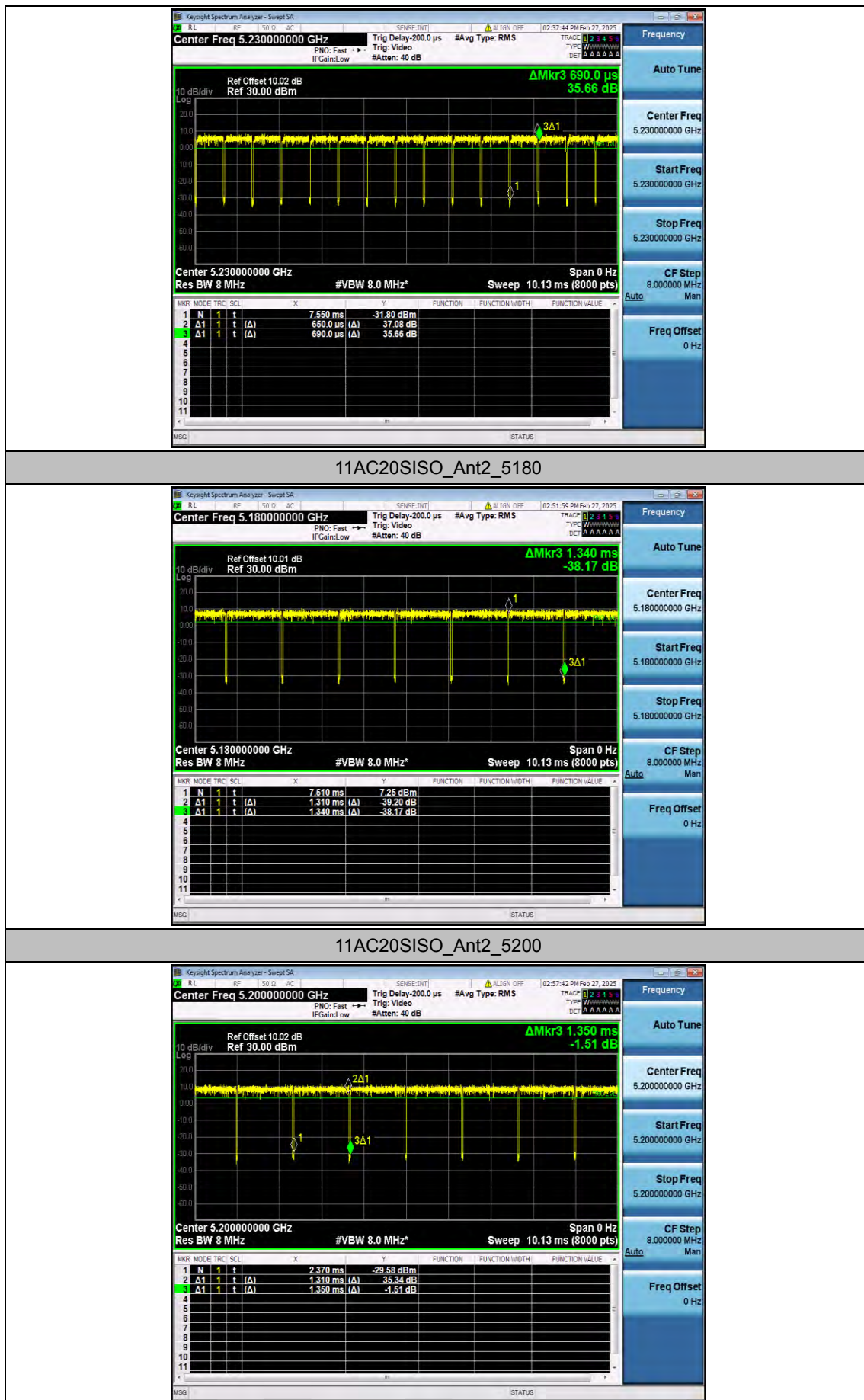
11N20SISO_Ant2_5240



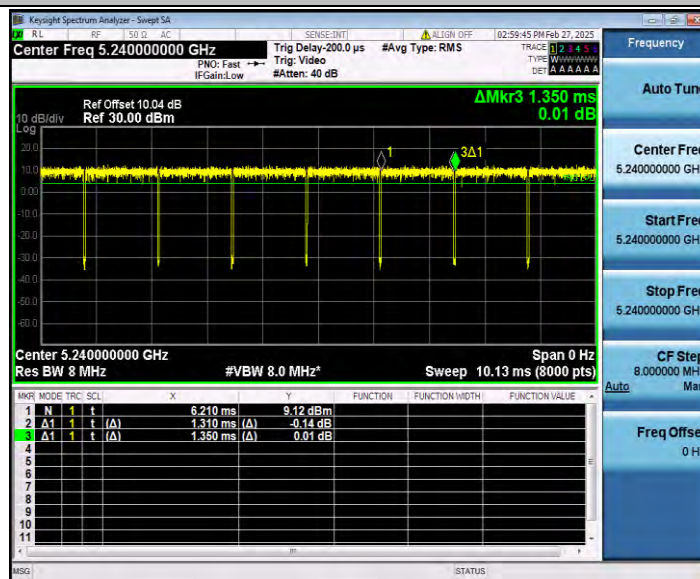
11N40SISO_Ant2_5190



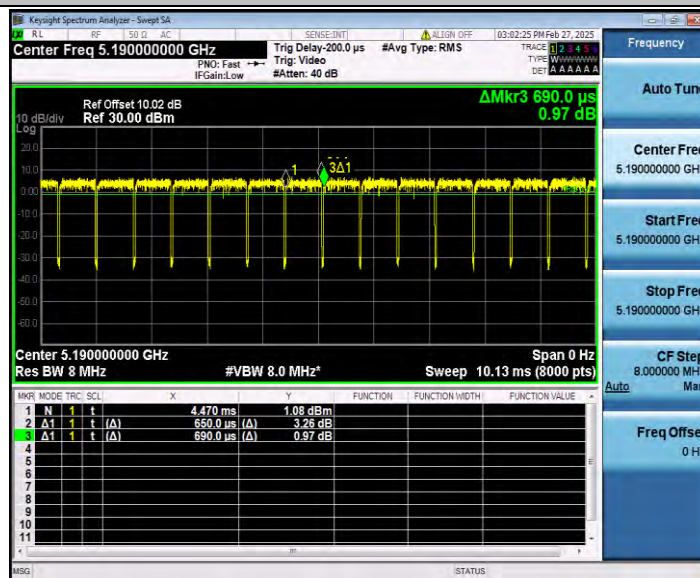
11N40SISO_Ant2_5230



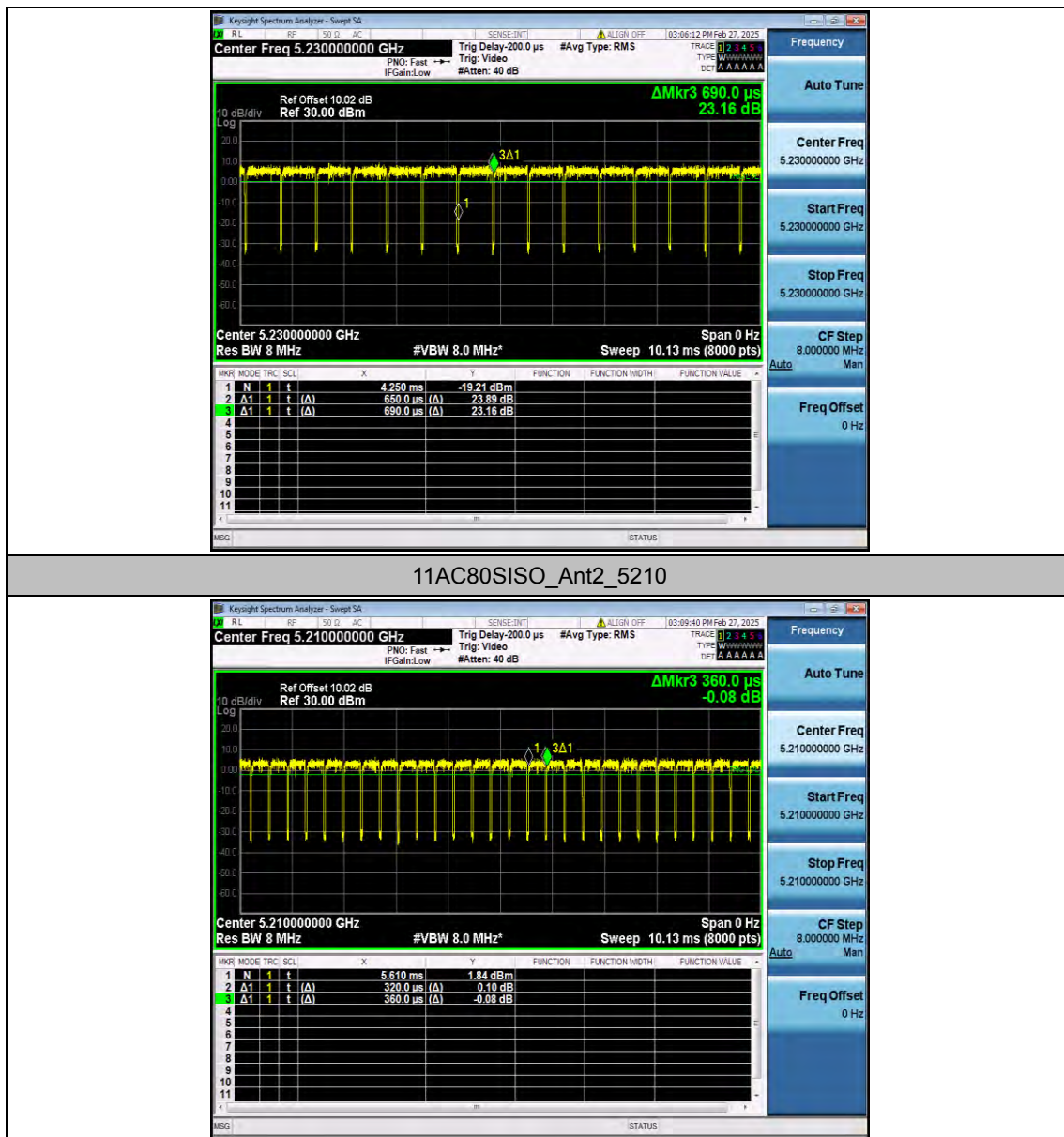
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	11.35	97.20	0.12	11.47	≤23.98	PASS
		5200	11.74	97.20	0.12	11.86	≤23.98	PASS
		5240	11.30	97.89	0.09	11.39	≤23.98	PASS
11N20SISO	Ant2	5180	10.27	97.74	0.10	10.37	≤23.98	PASS
		5200	11.44	97.01	0.13	11.57	≤23.98	PASS
		5240	11.36	97.01	0.13	11.49	≤23.98	PASS
11N40SISO	Ant2	5190	10.82	94.20	0.26	11.08	≤23.98	PASS
		5230	10.99	94.20	0.26	11.25	≤23.98	PASS
11AC20SISO	Ant2	5180	10.29	97.76	0.10	10.39	≤23.98	PASS
		5200	11.45	97.04	0.13	11.58	≤23.98	PASS
		5240	12.14	97.04	0.13	12.27	≤23.98	PASS
11AC40SISO	Ant2	5190	9.53	94.20	0.26	9.79	≤23.98	PASS
		5230	11.12	94.20	0.26	11.38	≤23.98	PASS
11AC80SISO	Ant2	5210	11.46	88.89	0.51	11.97	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	0.74	≤11.00	PASS
		5200	1.17	≤11.00	PASS
		5240	0.71	≤11.00	PASS
11N20SISO	Ant2	5180	-0.41	≤11.00	PASS
		5200	0.64	≤11.00	PASS
		5240	0.83	≤11.00	PASS
11N40SISO	Ant2	5190	-2.35	≤11.00	PASS
		5230	-2.24	≤11.00	PASS
11AC20SISO	Ant2	5180	-0.37	≤11.00	PASS
		5200	0.79	≤11.00	PASS
		5240	1.46	≤11.00	PASS
11AC40SISO	Ant2	5190	-3.69	≤11.00	PASS
		5230	-2.17	≤11.00	PASS
11AC80SISO	Ant2	5210	-4.40	≤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_Ant2_5180



11A_Ant2_5200



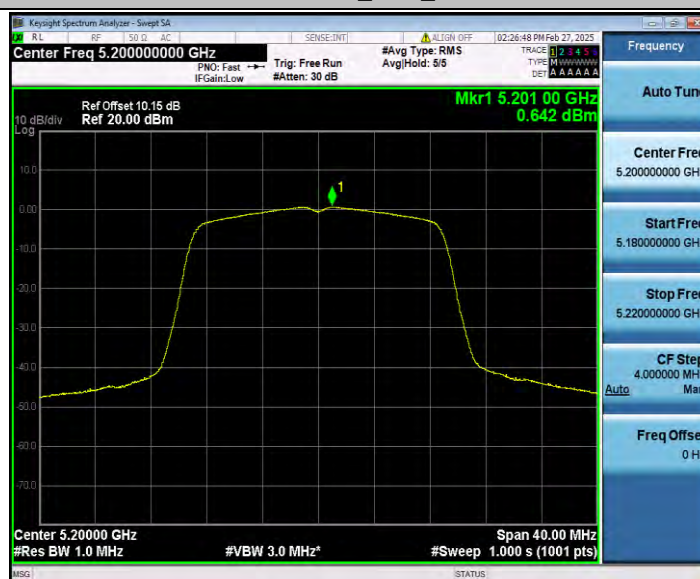
11A_Ant2_5240



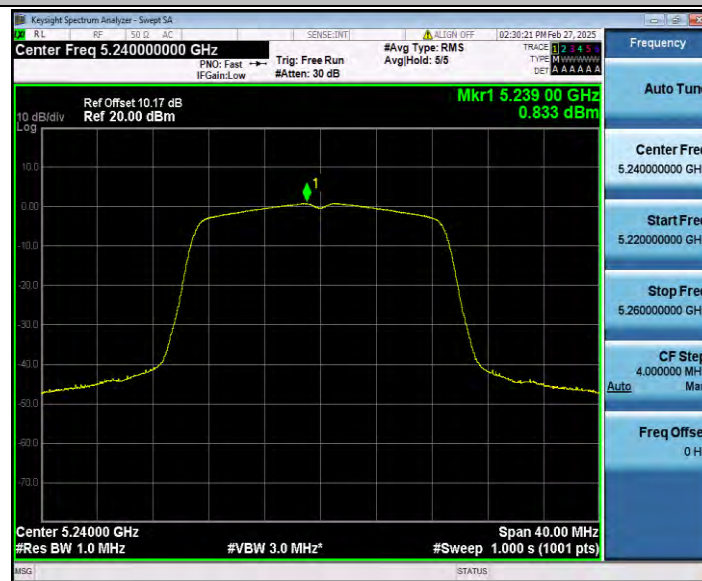
11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



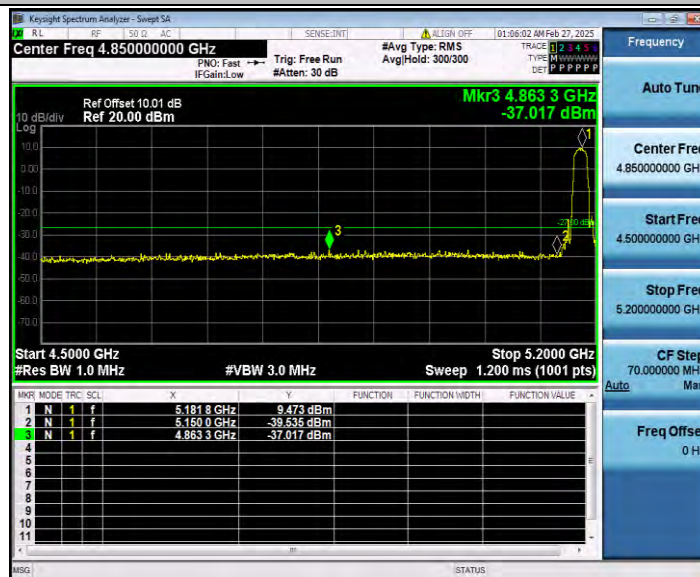
Appendix D.6: Band edge measurements

Test Result B1

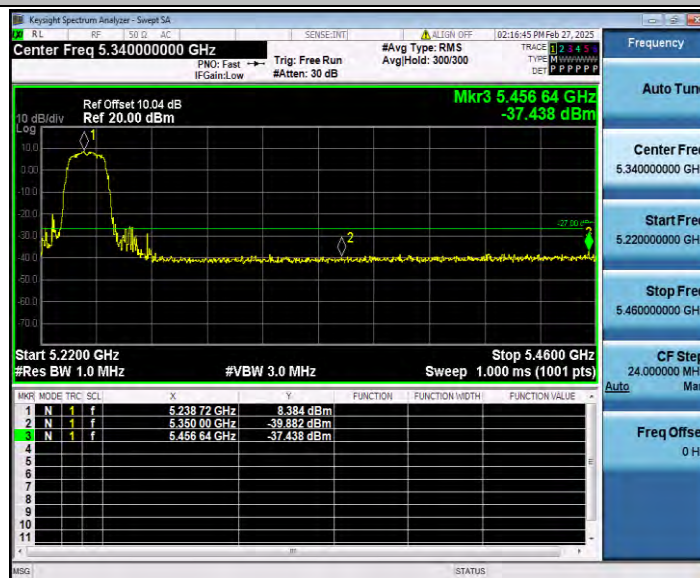
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant2	Low	5180	-37.02	≤ -27	PASS
		High	5240	-37.44	≤ -27	PASS
11N20SISO	Ant2	Low	5180	-37.53	≤ -27	PASS
		High	5240	-37.46	≤ -27	PASS
11N40SISO	Ant2	Low	5190	-31.52	≤ -27	PASS
		High	5230	-37.23	≤ -27	PASS
11AC20SISO	Ant2	Low	5180	-36.86	≤ -27	PASS
		High	5240	-37.34	≤ -27	PASS
11AC40SISO	Ant2	Low	5190	-37.26	≤ -27	PASS
		High	5230	-37.39	≤ -27	PASS
11AC80SISO	Ant2	Low	5210	-29.96	≤ -27	PASS
		High	5210	-36.45	≤ -27	PASS

Test Graphs B1

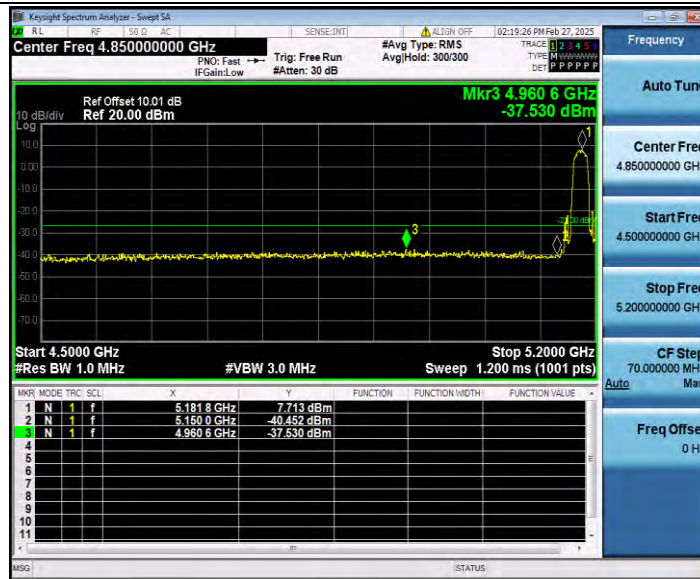
11A_Ant2_Low_5180



11A_Ant2_High_5240



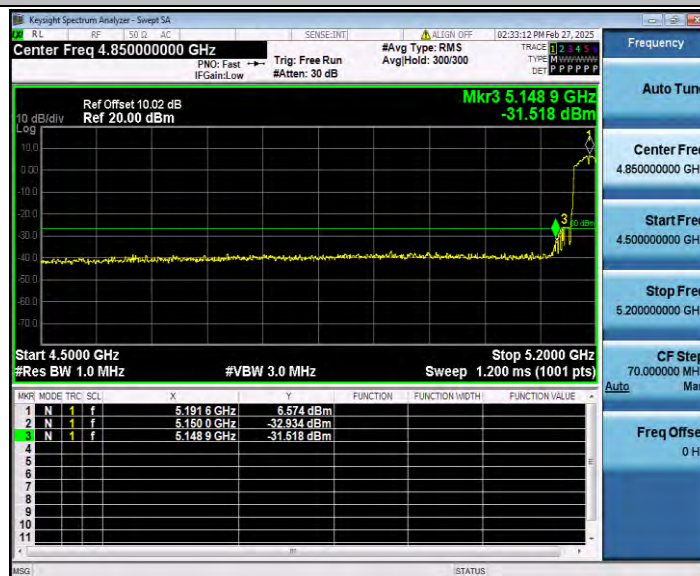
11N20SISO_Ant2_Low_5180



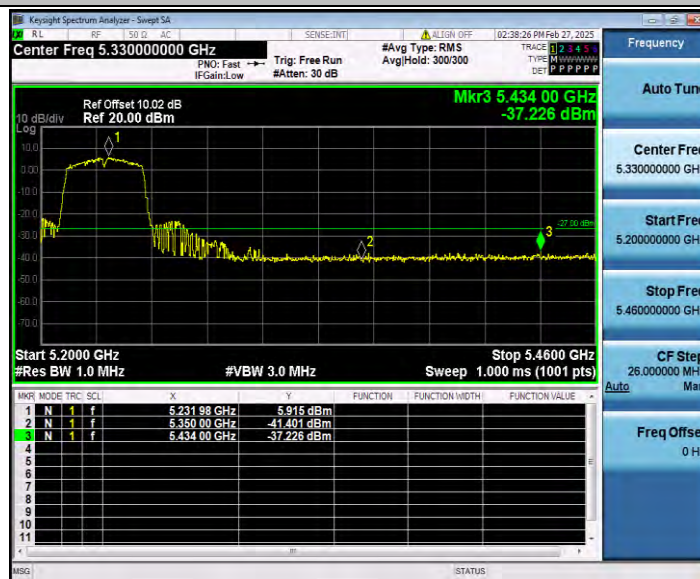
11N20SISO_Ant2_High_5240



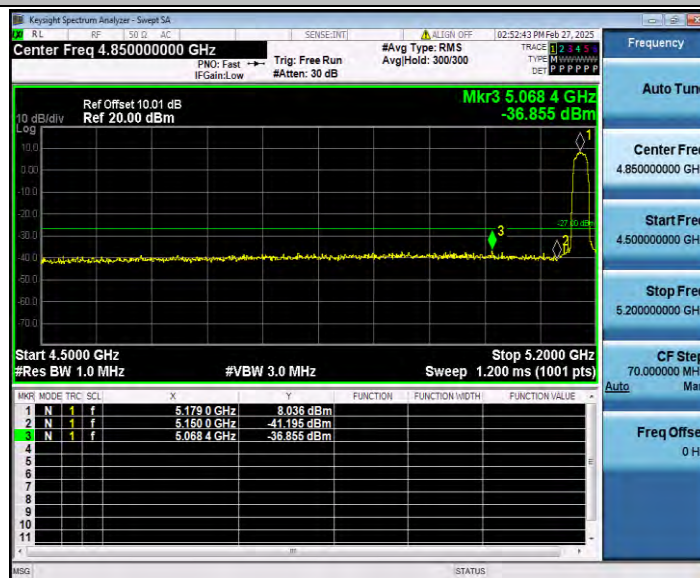
11N40SISO_Ant2_Low_5190



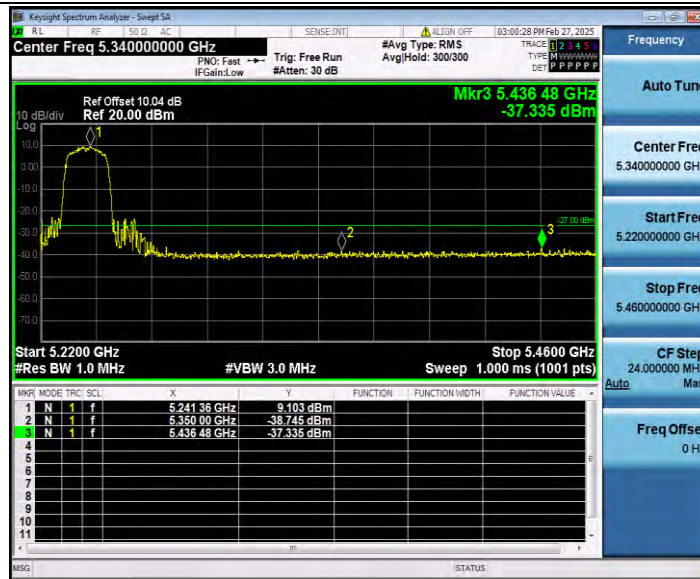
11N40SISO_Ant2_High_5230



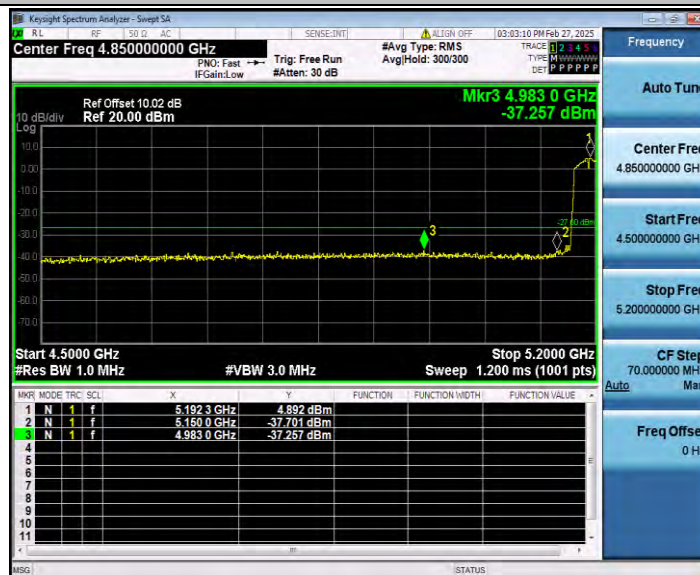
11AC20SISO_Ant2_Low_5180



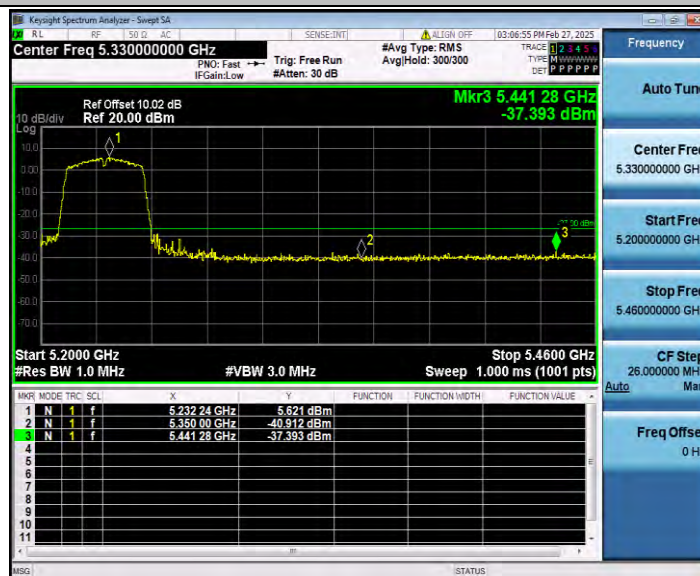
11AC20SISO_Ant2_High_5240



11AC40SISO_Ant2_Low_5190



11AC40SISO_Ant2_High_5230



11AC80SISO_Ant2_Low_5210



11AC80SISO_Ant2_High_5210



Appendix D.7: Conducted Spurious Emission

Test Result

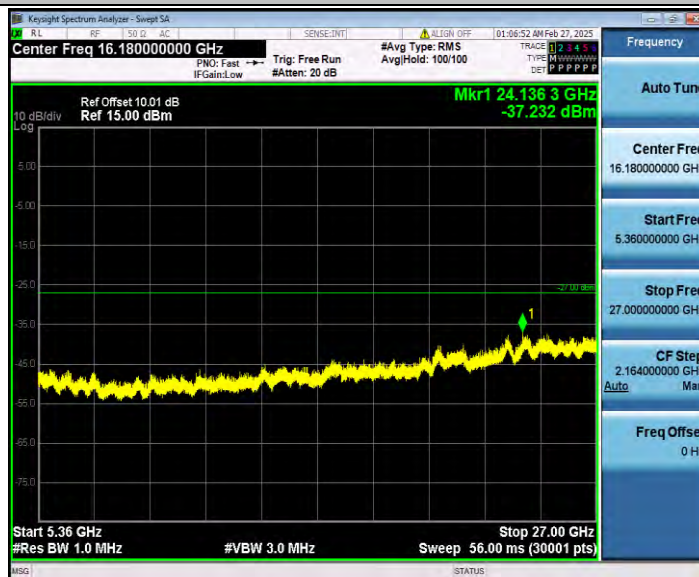
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	30~5140	5024.85	-45.7	≤-27	PASS
			5360~27000	24136.31	-37.23	≤-27	PASS
		5200	30~5140	5041.55	-45.81	≤-27	PASS
			5360~27000	24237.29	-37.02	≤-27	PASS
		5240	30~5140	5038.14	-46.49	≤-27	PASS
			5360~27000	25118.04	-37.9	≤-27	PASS
11N20SISO	Ant2	5180	30~5140	2627.75	-45.45	≤-27	PASS
			5360~27000	24280.57	-37.18	≤-27	PASS
		5200	30~5140	3274.17	-45.65	≤-27	PASS
			5360~27000	24360.64	-37.57	≤-27	PASS
		5240	30~5140	5072.89	-46.55	≤-27	PASS
			5360~27000	24307.26	-37.11	≤-27	PASS
11N40SISO	Ant2	5190	30~5140	5104.91	-44.67	≤-27	PASS
			5360~27000	25491.69	-36.65	≤-27	PASS
		5230	30~5140	5048.7	-45.64	≤-27	PASS
			5360~27000	24182.47	-37.06	≤-27	PASS
11AC20SISO	Ant2	5180	30~5140	5138.64	-45.75	≤-27	PASS
			5360~27000	23507.3	-37.45	≤-27	PASS
		5200	30~5140	5030.14	-45.7	≤-27	PASS
			5360~27000	24273.36	-36.78	≤-27	PASS
		5240	30~5140	5043.93	-45.96	≤-27	PASS
			5360~27000	24276.25	-37.25	≤-27	PASS
11AC40SISO	Ant2	5190	30~5140	5062.67	-45.8	≤-27	PASS
			5360~27000	23515.24	-36.65	≤-27	PASS
		5230	30~5140	5134.21	-46.16	≤-27	PASS
			5360~27000	24259.65	-36.27	≤-27	PASS
11AC80SISO	Ant2	5210	30~5140	5139.15	-31.63	≤-27	PASS
			5360~27000	24228.64	-37.18	≤-27	PASS

Test Graphs

11A_Ant2_5180_30~5140



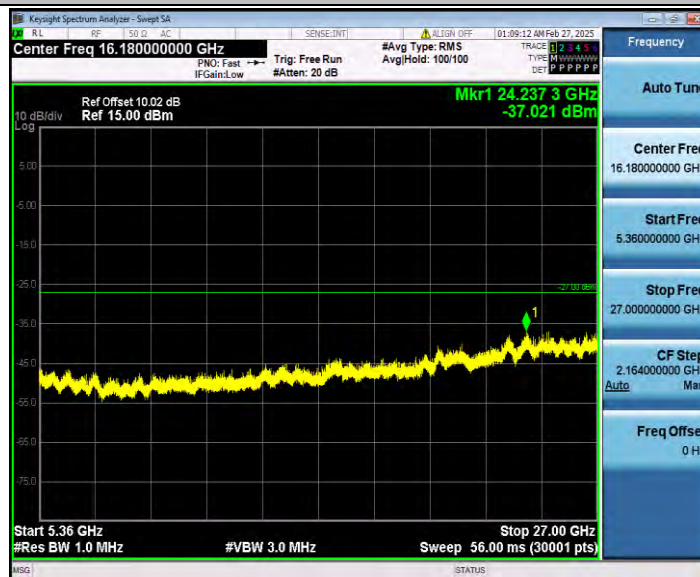
11A_Ant2_5180_5360~27000



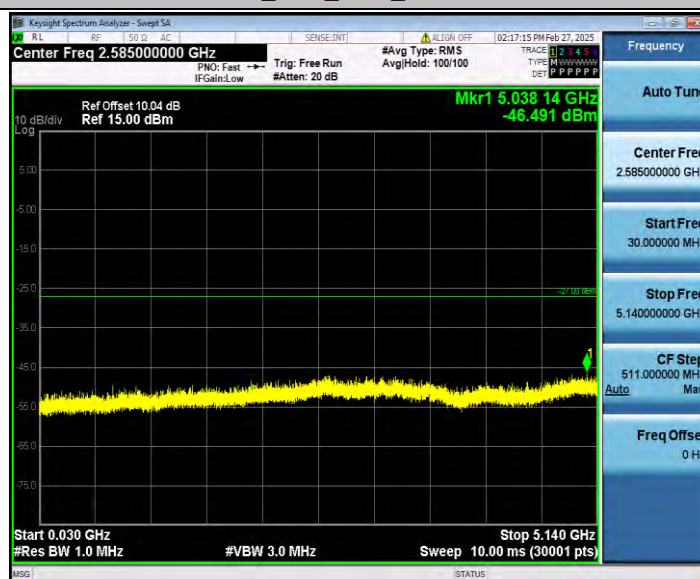
11A_Ant2_5200_30~5140



11A_Ant2_5200_5360~27000



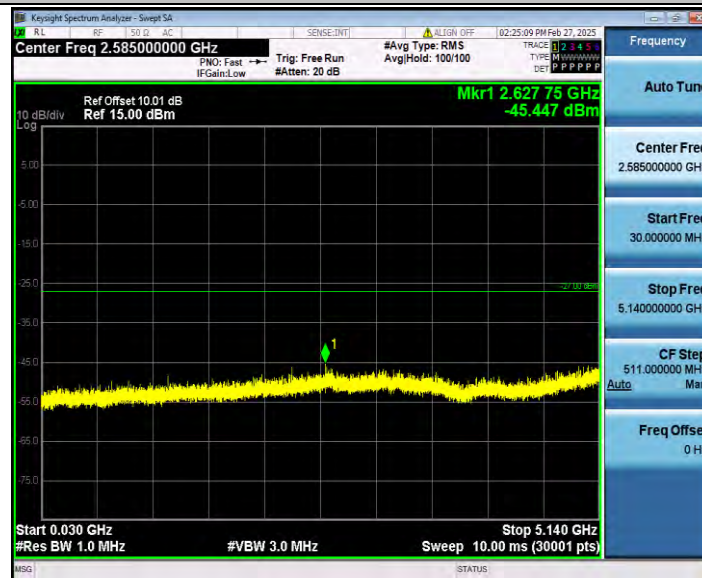
11A_Ant2_5240_30~5140



11A_Ant2_5240_5360~27000



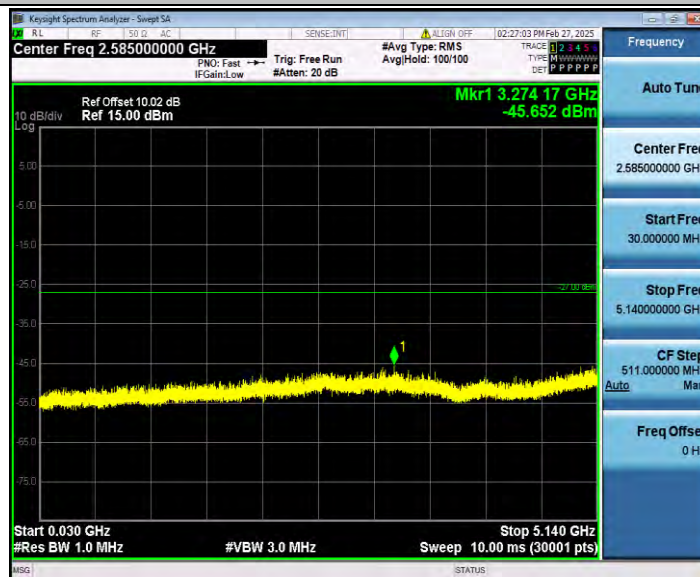
11N20SISO_Ant2_5180_30~5140



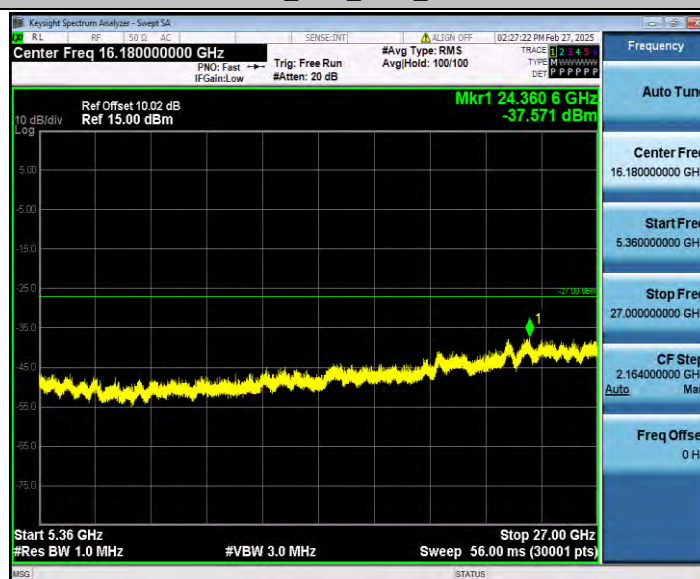
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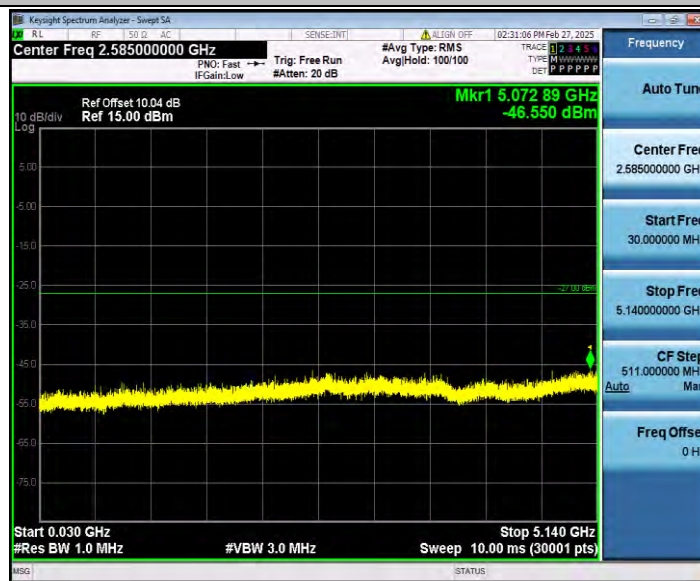
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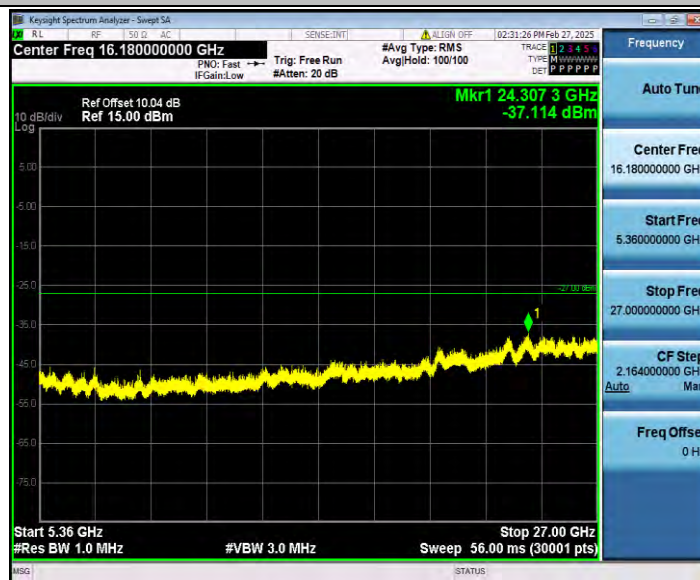
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11N20SISO_Ant2_5240_30~5140



11N20SISO_Ant2_5240_5360~27000



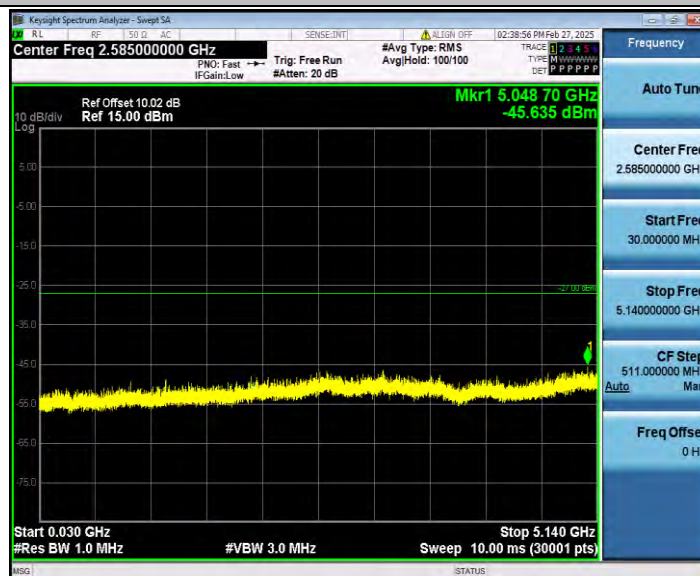
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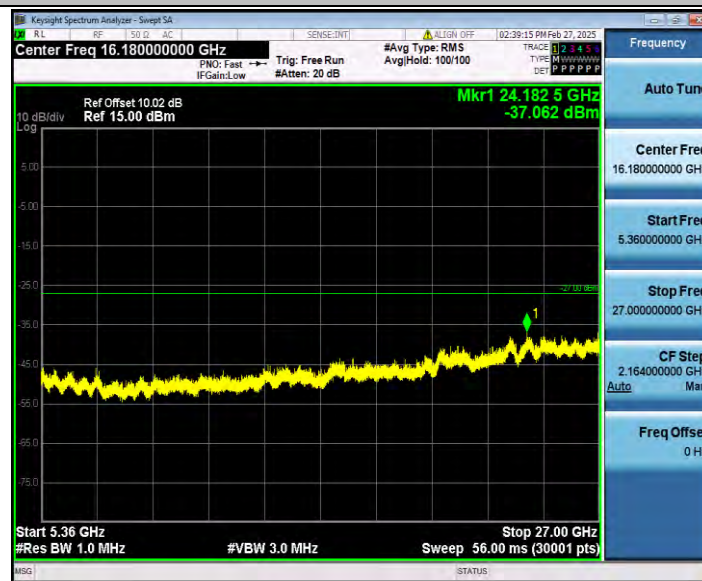
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11N40SISO_Ant2_5230_30~5140



11N40SISO_Ant2_5230_5360~27000



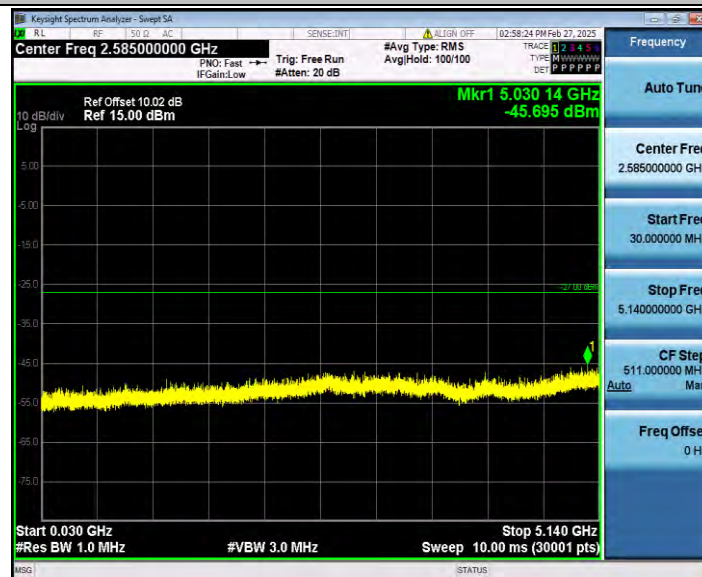
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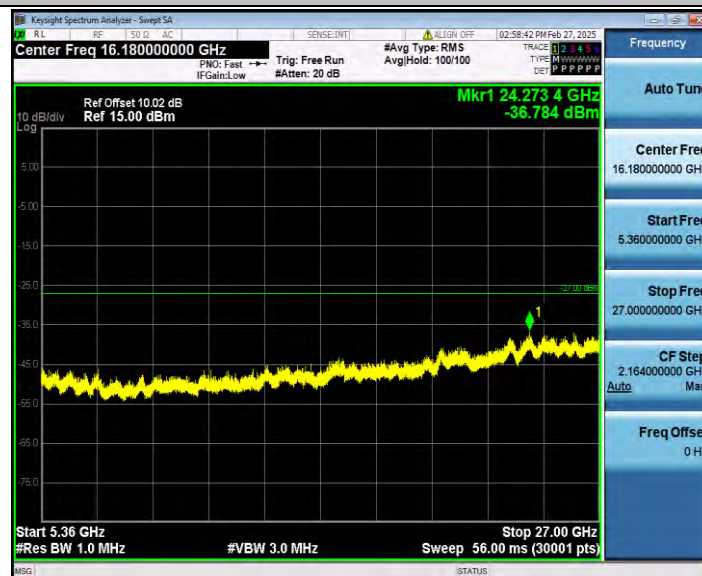
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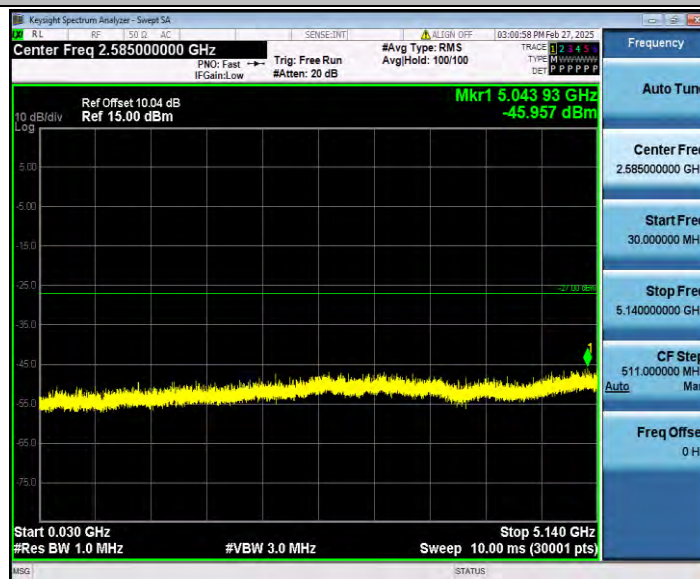
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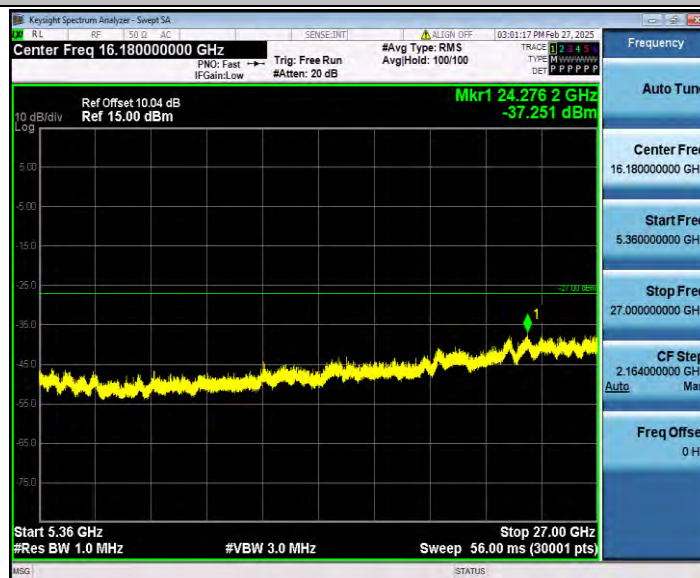
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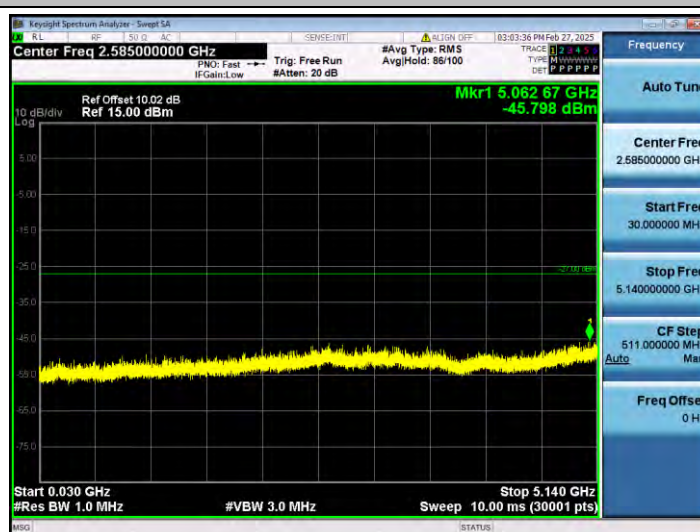
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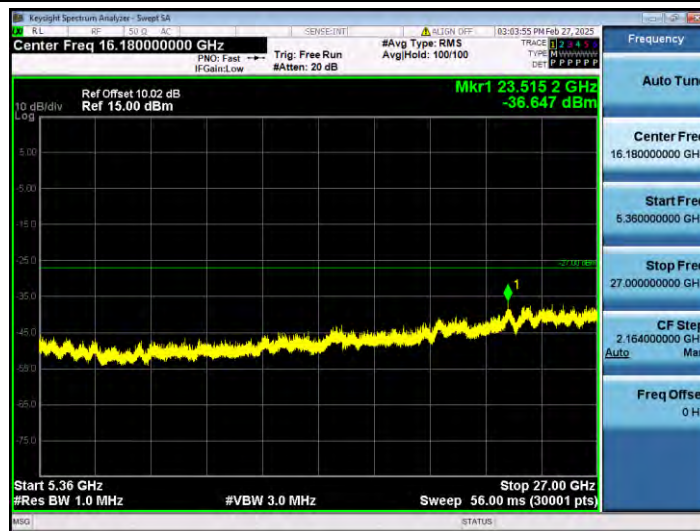
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11AC40SISO_Ant2_5190_30~5140



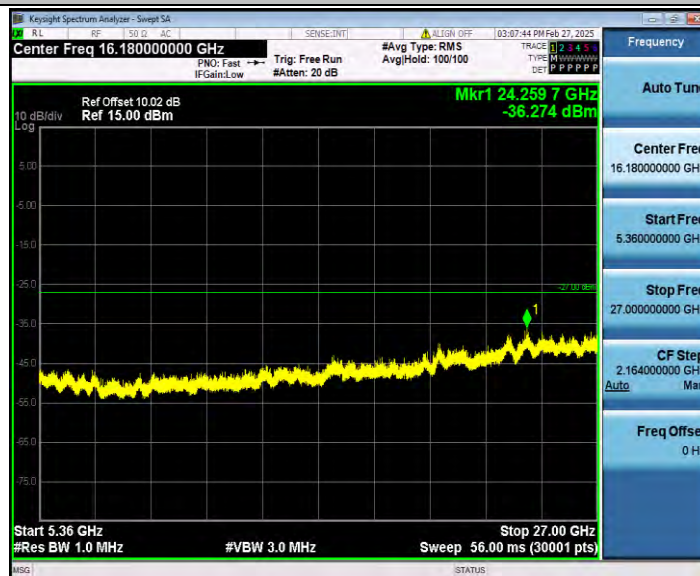
11AC40SISO_Ant2_5190_5360~27000



11AC40SISO_Ant2_5230_30~5140



11AC40SISO_Ant2_5230_5360~27000



11AC80SISO_Ant2_5210_30~5140



11AC80SISO_Ant2_5210_5360~27000

