

Case No. : <u>GTS20260113019-1-12</u>
Ambient Condition: <u>24</u> °C, <u>55</u> %RH
According Standard: ■Part15E
Test Date: <u>2026.1.17-2026.3.4</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	Ant1	5180	20.080	5169.920	5190.000	---	---
		5200	20.080	5190.000	5210.080	---	---
		5240	20.120	5229.960	5250.080	---	---
11N20SISO	Ant1	5180	19.880	5170.000	5189.880	---	---
		5200	19.960	5190.040	5210.000	---	---
		5240	19.960	5230.080	5250.040	---	---
11N40SISO	Ant1	5190	40.240	5169.920	5210.160	---	---
		5230	40.160	5209.840	5250.000	---	---
11AC20SISO	Ant1	5180	20.200	5169.880	5190.080	---	---
		5200	20.080	5190.000	5210.080	---	---
		5240	20.240	5229.840	5250.080	---	---
11AC40SISO	Ant1	5190	40.480	5169.760	5210.240	---	---
		5230	40.240	5209.840	5250.080	---	---
11AC80SISO	Ant1	5210	81.760	5169.200	5250.960	---	---

Test Graphs



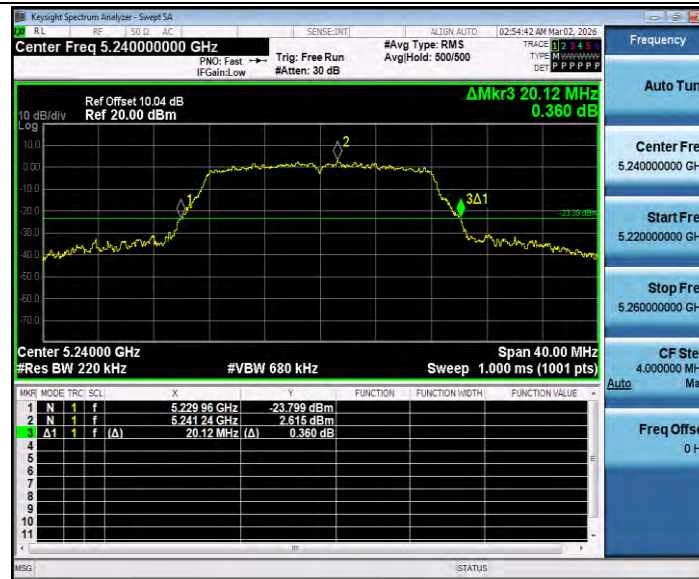
11A_Ant1_5200

Frequency

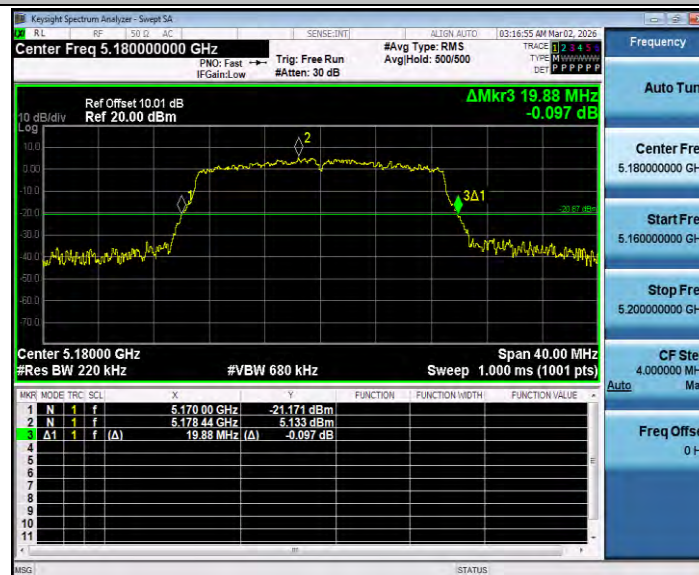
Auto Tune

Center Freq
5.20000000 GHzStart Freq
5.18000000 GHzStop Freq
5.22000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

11A_Ant1_5240



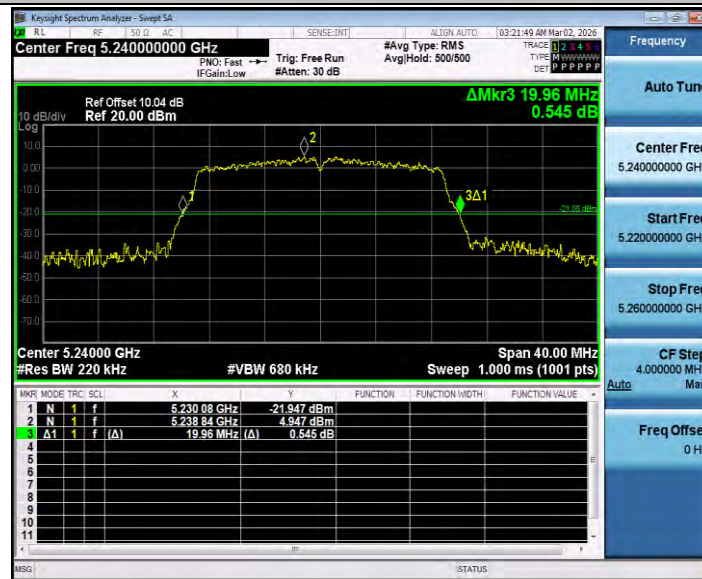
11N20SISO_Ant1_5180



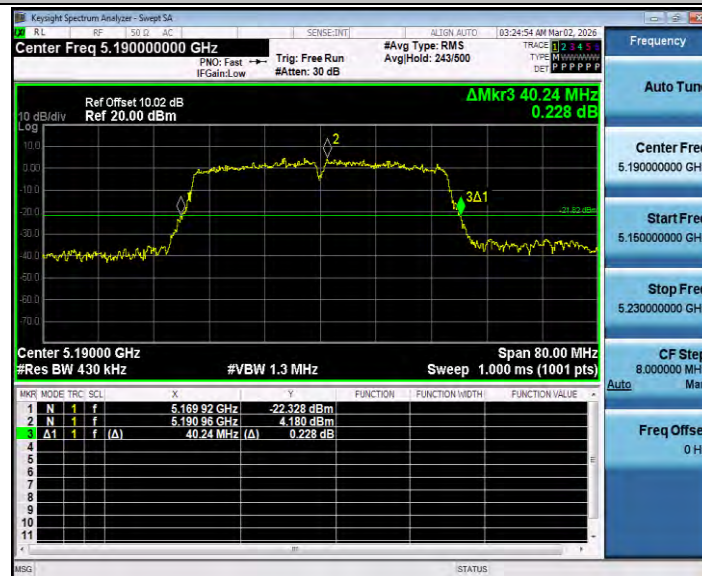
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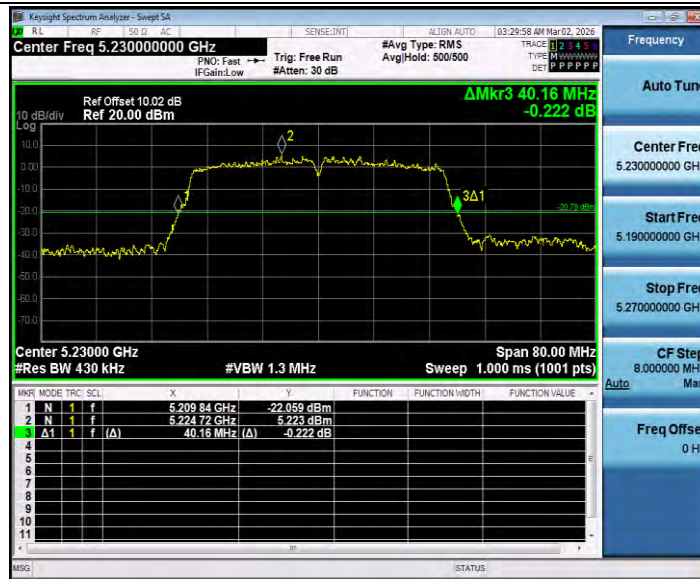
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



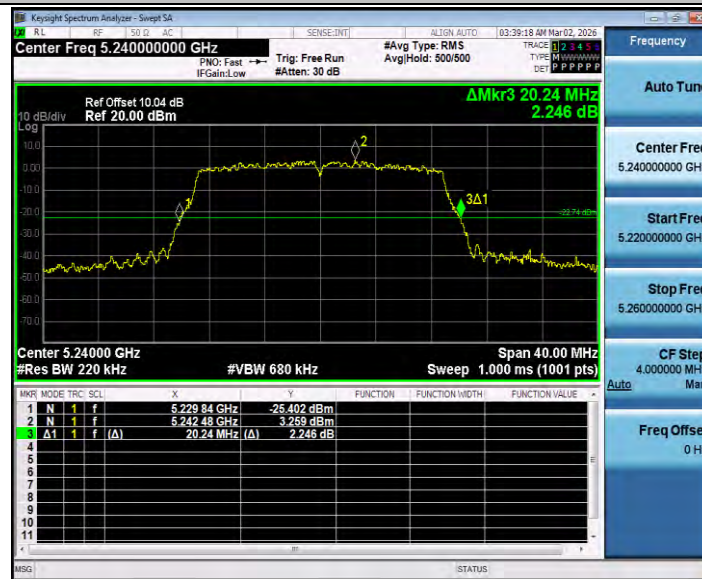
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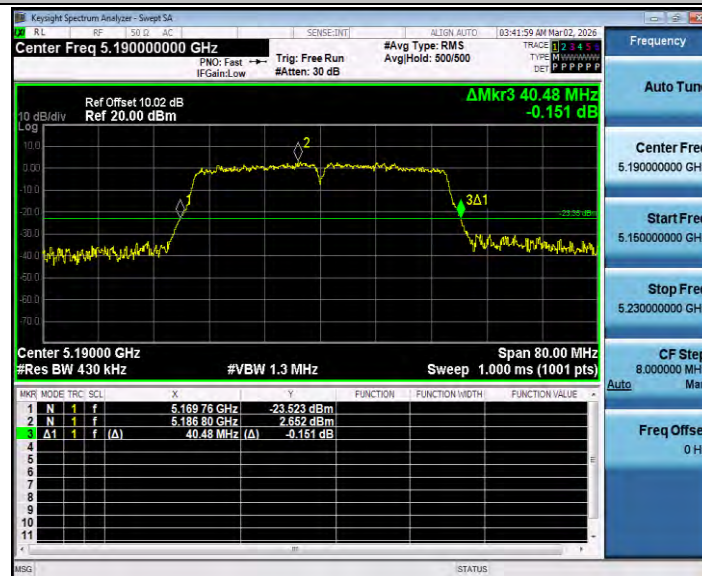
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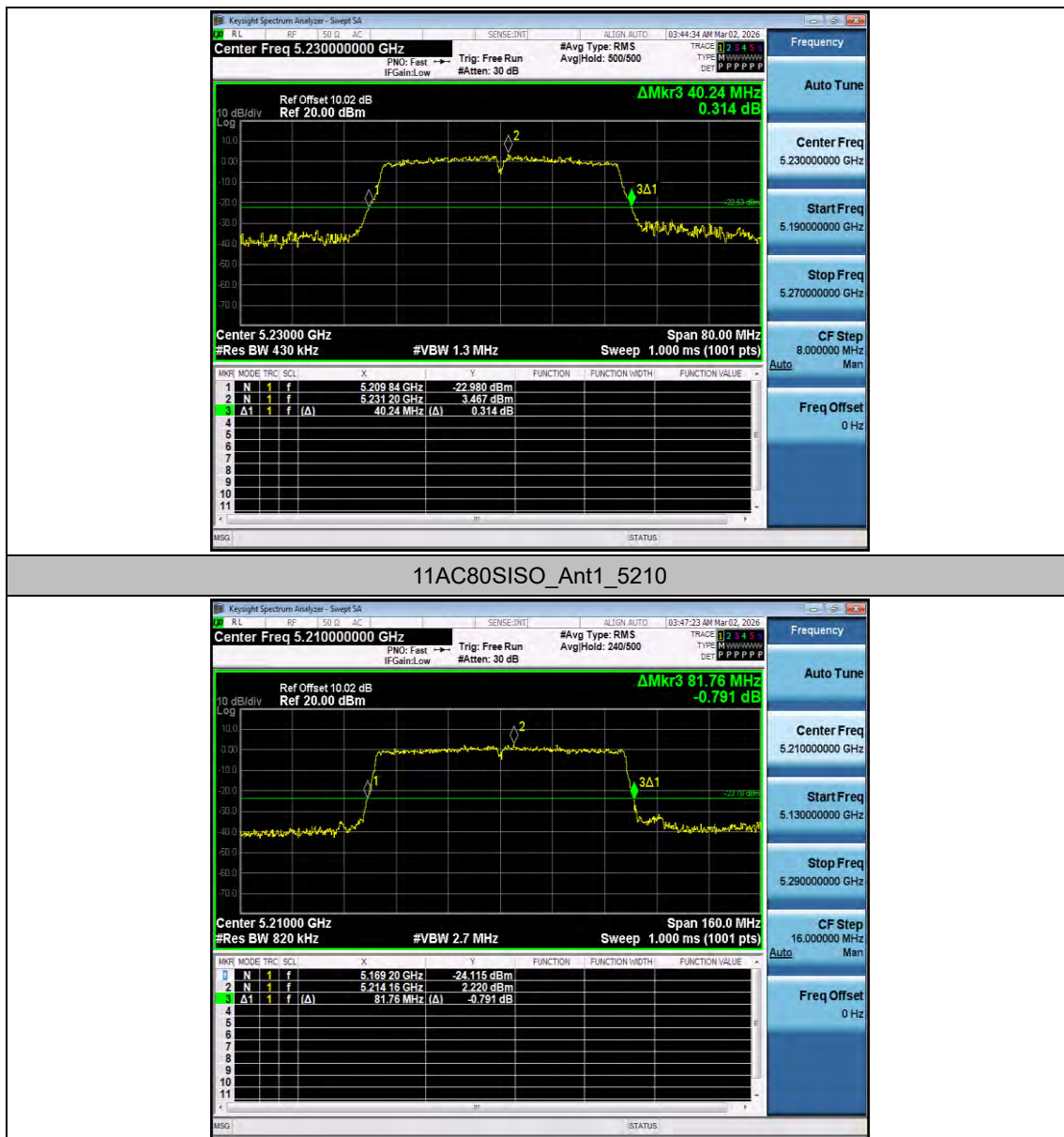
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



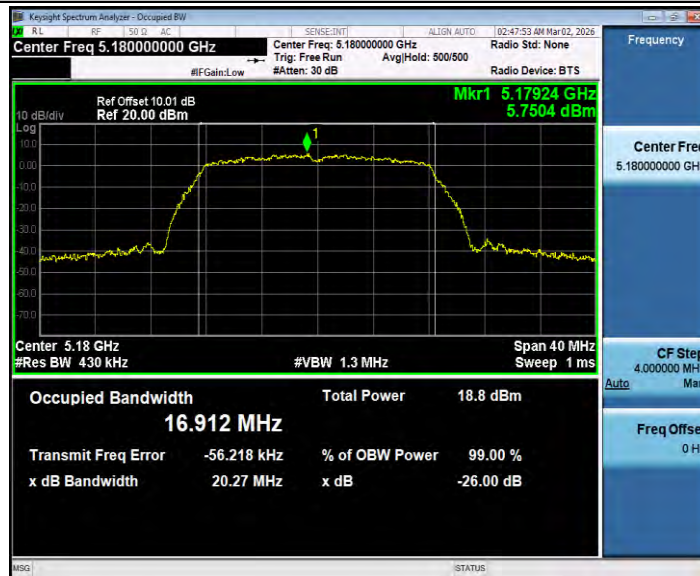
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.912	5171.4878	5188.3998	---	---
		5200	16.909	5191.5032	5208.4122	---	---
		5240	16.973	5231.4641	5248.4371	---	---
11N20SISO	Ant1	5180	17.722	5171.1485	5188.8705	---	---
		5200	17.717	5191.1697	5208.8867	---	---
		5240	17.704	5231.1577	5248.8617	---	---
11N40SISO	Ant1	5190	36.180	5171.9530	5208.1330	---	---
		5230	36.129	5211.9522	5248.0812	---	---
11AC20SISO	Ant1	5180	17.772	5171.1301	5188.9021	---	---
		5200	17.771	5191.1314	5208.9024	---	---
		5240	17.768	5231.1275	5248.8955	---	---
11AC40SISO	Ant1	5190	36.285	5171.9190	5208.2040	---	---
		5230	36.289	5211.9188	5248.2078	---	---
11AC80SISO	Ant1	5210	76.241	5172.0759	5248.3169	---	---

Test Graphs

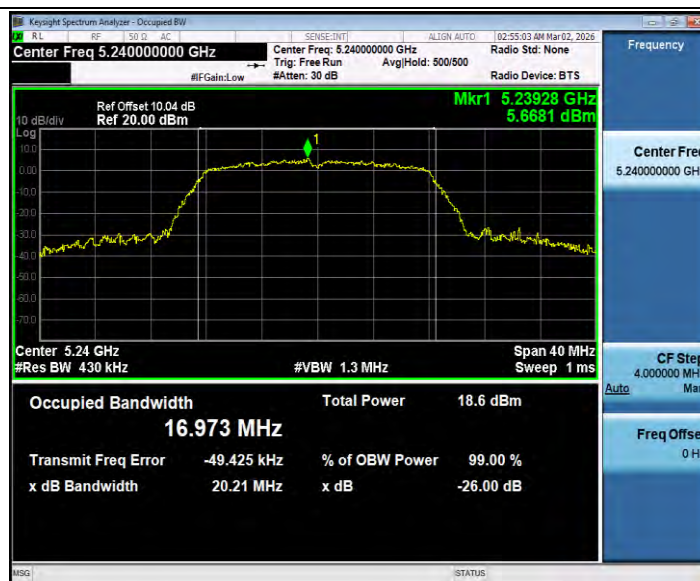
11A_Ant1_5180



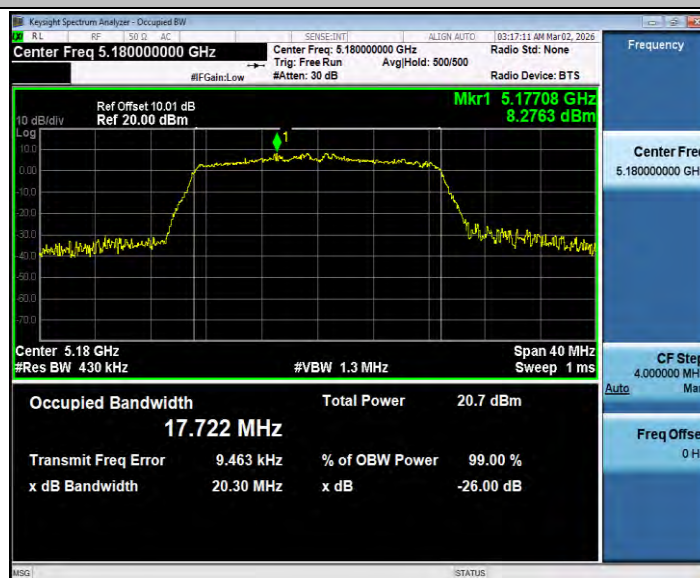
11A_Ant1_5200



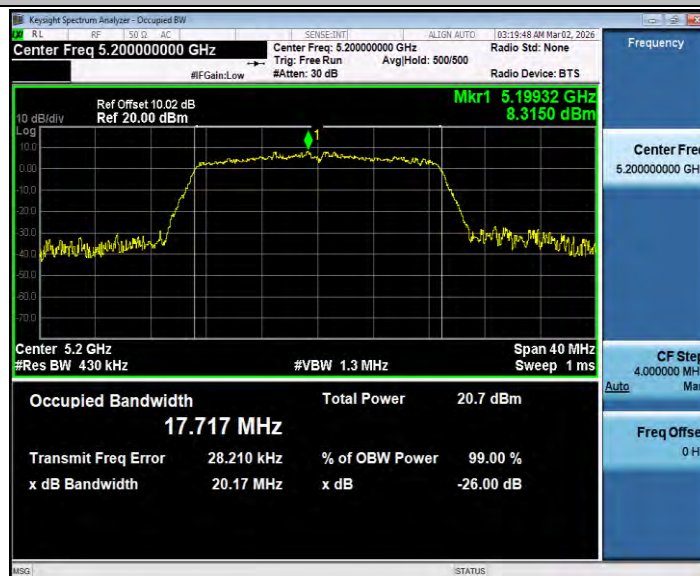
11A_Ant1_5240



11N20SISO_Ant1_5180



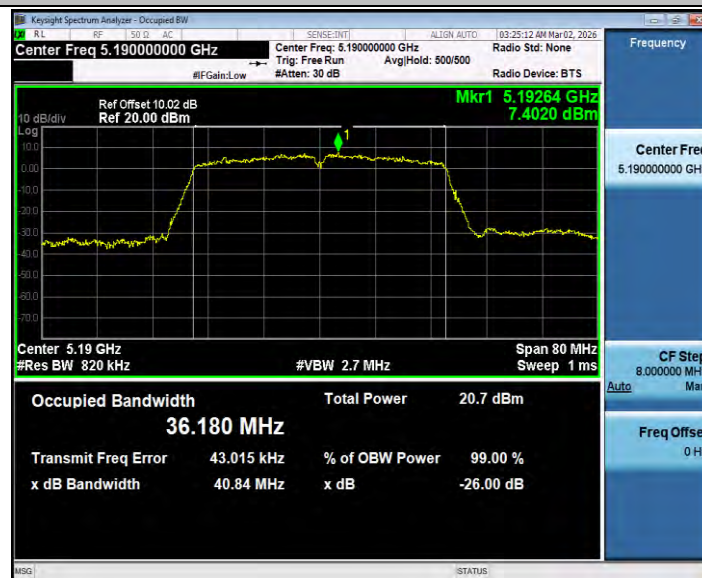
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11N20SISO_Ant1_5240



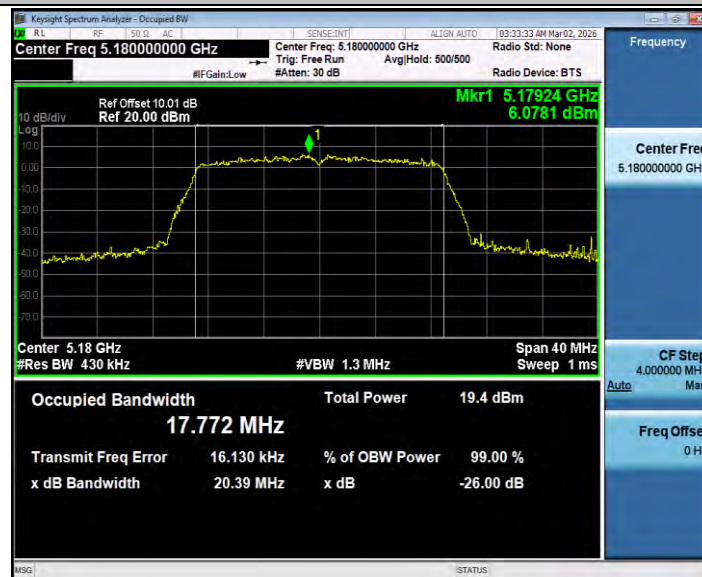
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



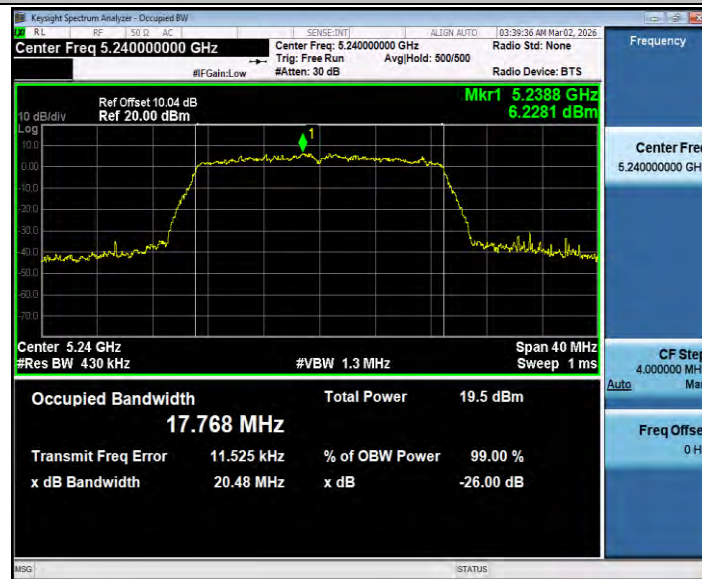
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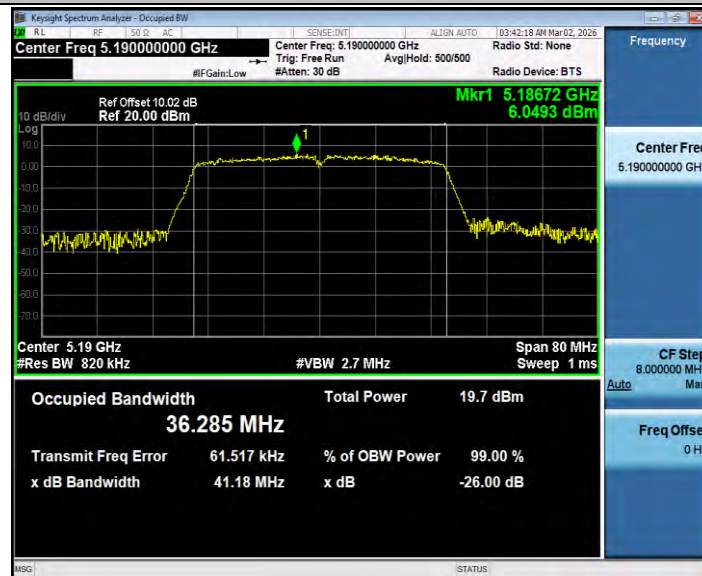
11AC20SISO_Ant1_5200



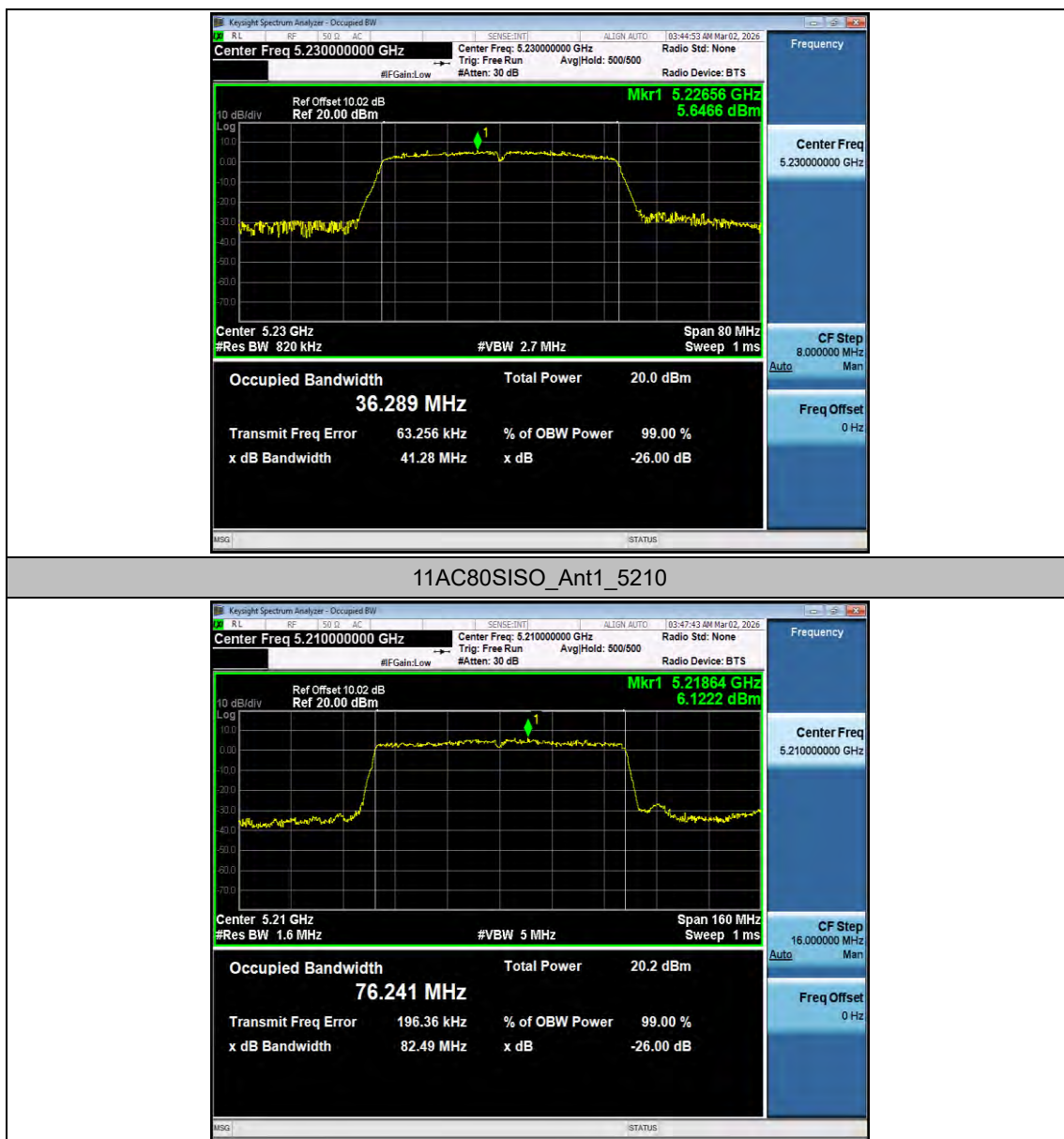
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

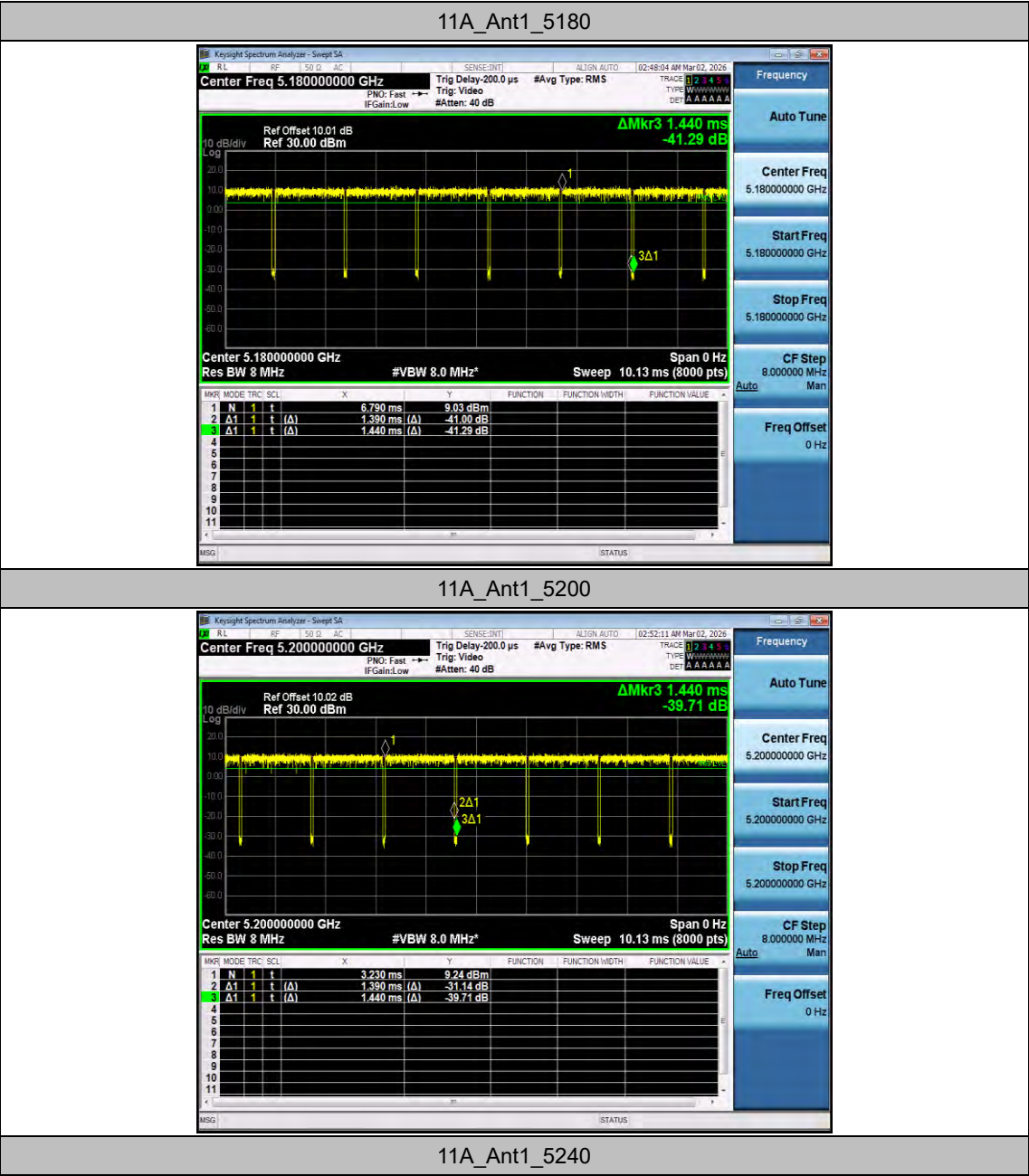


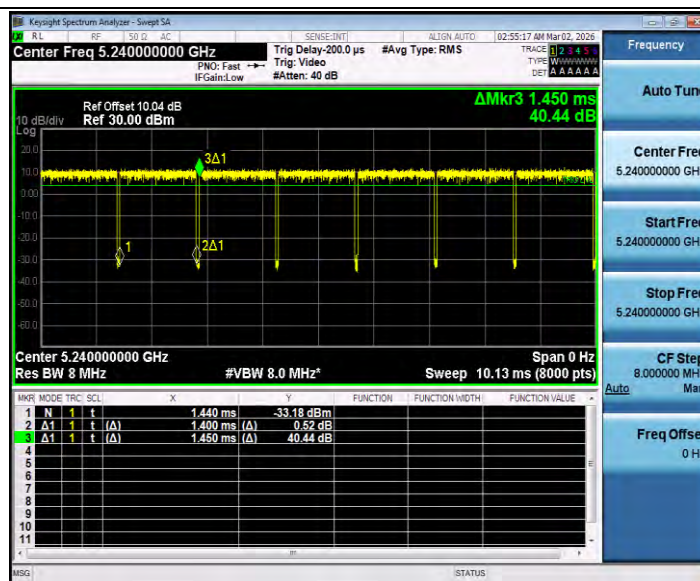
AppendixD.3: Duty Cycle

Test Result

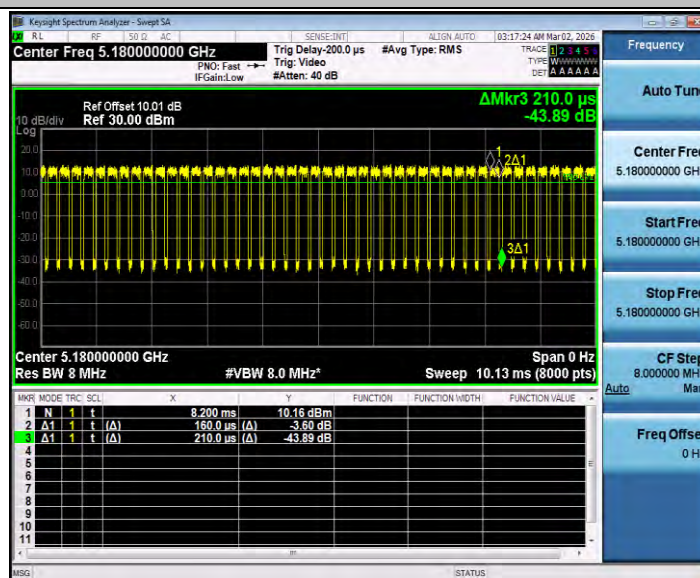
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.39	1.44	96.53	0.15	0.72
		5200	1.39	1.44	96.53	0.15	0.72
		5240	1.40	1.45	96.55	0.15	0.71
11N20SISO	Ant1	5180	0.16	0.21	76.19	1.18	6.25
		5200	0.17	0.22	77.27	1.12	5.88
		5240	0.16	0.21	76.19	1.18	6.25
11N40SISO	Ant1	5190	0.10	0.16	62.50	2.04	10.00
		5230	0.10	0.15	66.67	1.76	10.00
11AC20SISO	Ant1	5180	0.15	0.20	75.00	1.25	6.67
		5200	0.15	0.20	75.00	1.25	6.67
		5240	0.15	0.20	75.00	1.25	6.67
11AC40SISO	Ant1	5190	0.09	0.14	64.29	1.92	11.11
		5230	0.09	0.14	64.29	1.92	11.11
11AC80SISO	Ant1	5210	0.06	0.11	54.55	2.63	16.67

Test Graphs

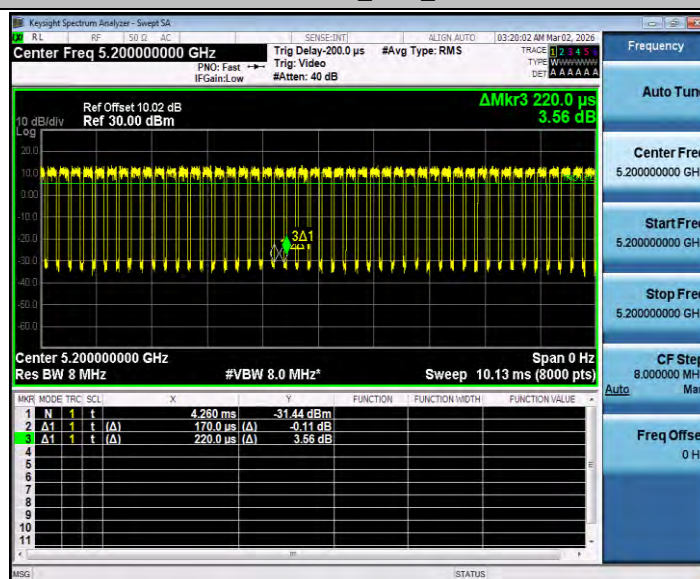




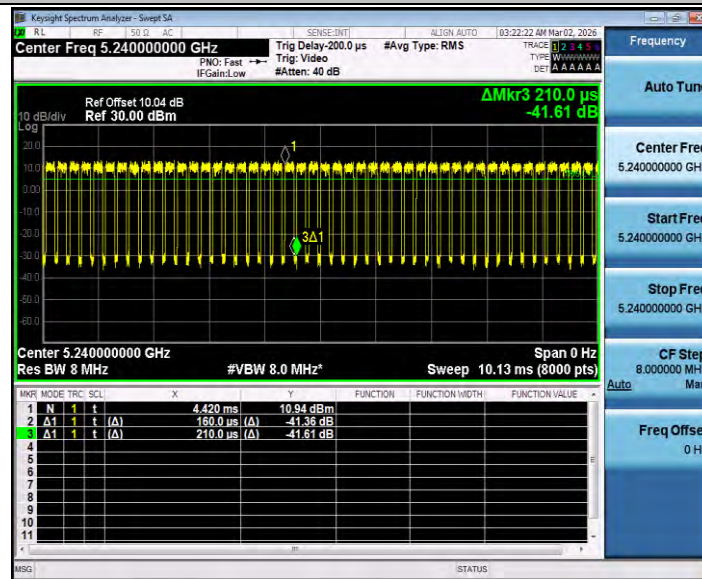
11N20SISO_Ant1_5180



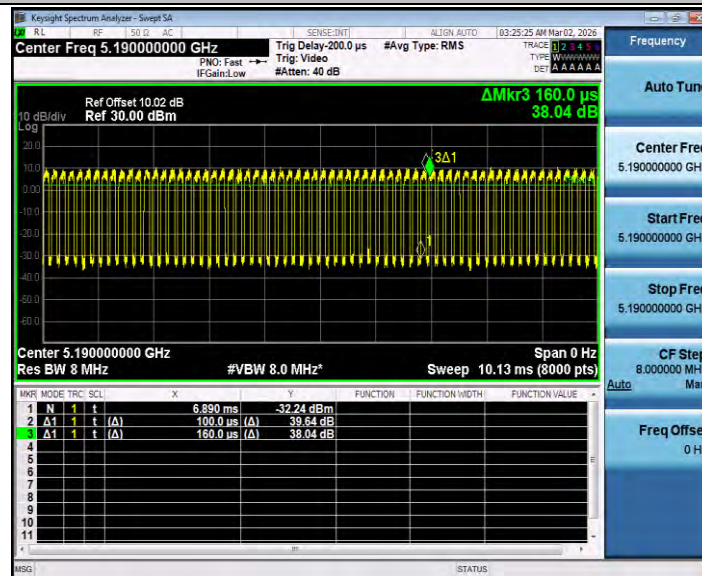
11N20SISO_Ant1_5200



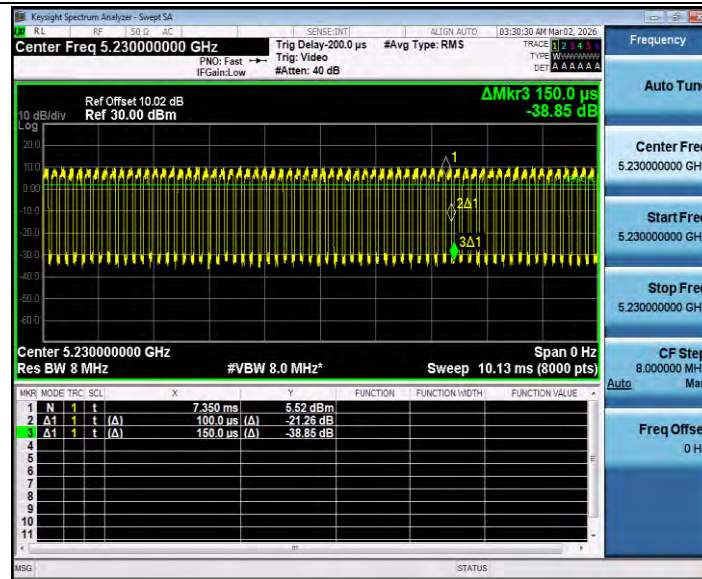
11N20SISO_Ant1_5240



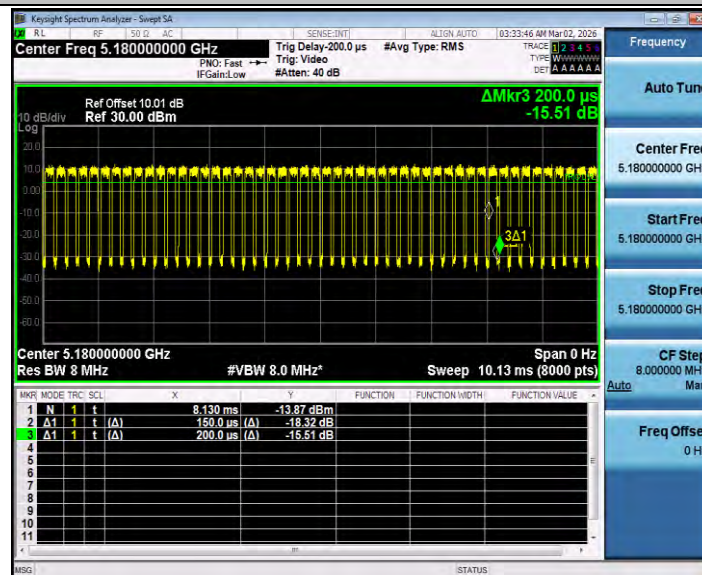
11N40SISO_Ant1_5190



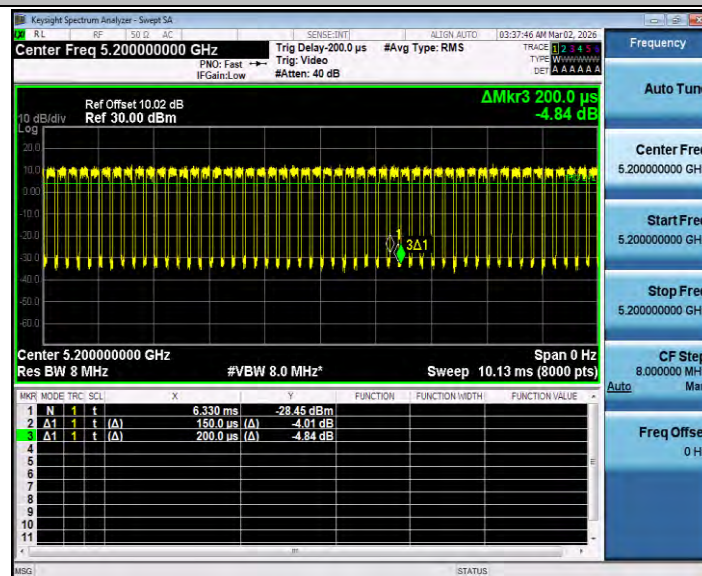
11N40SISO_Ant1_5230

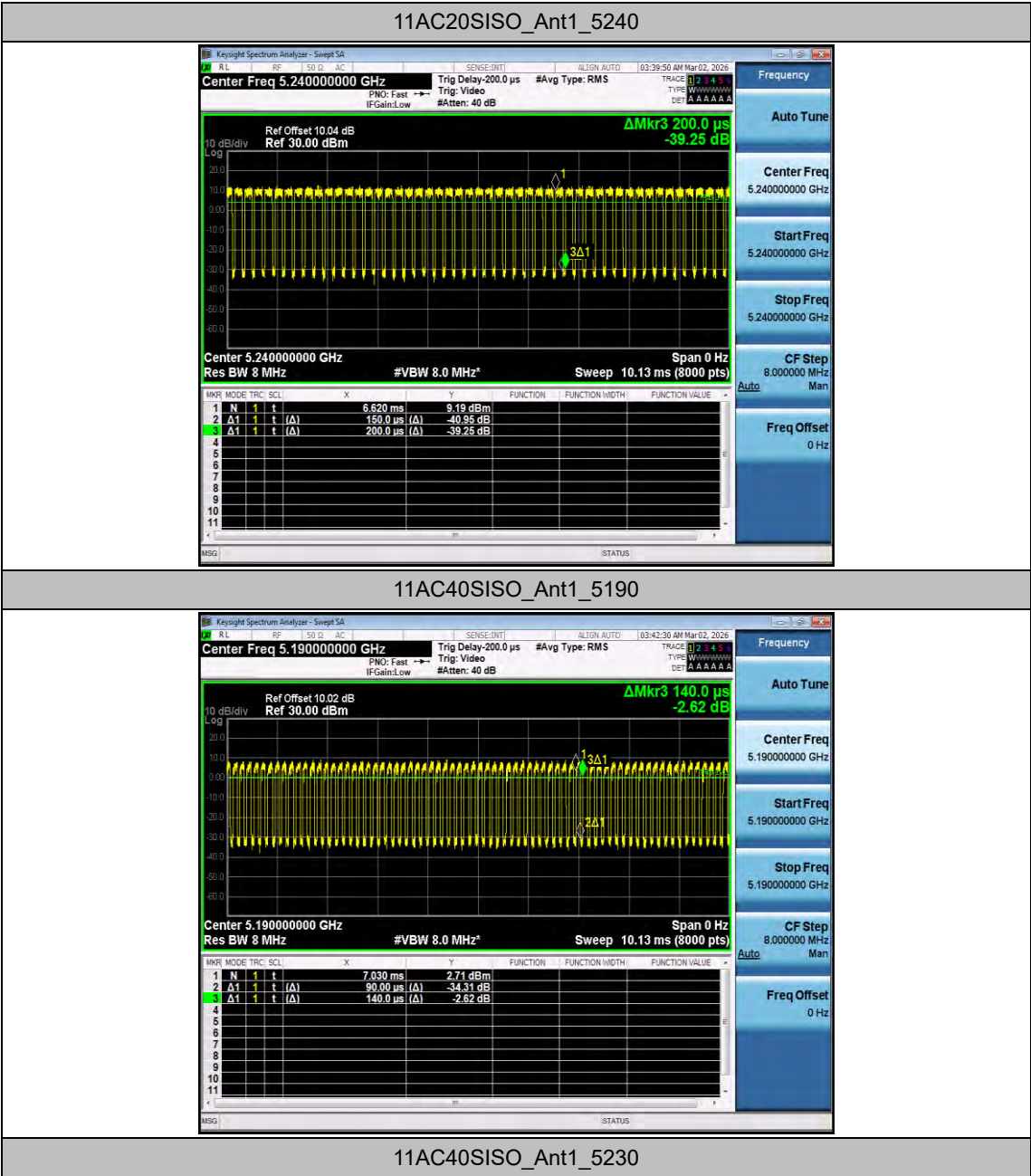


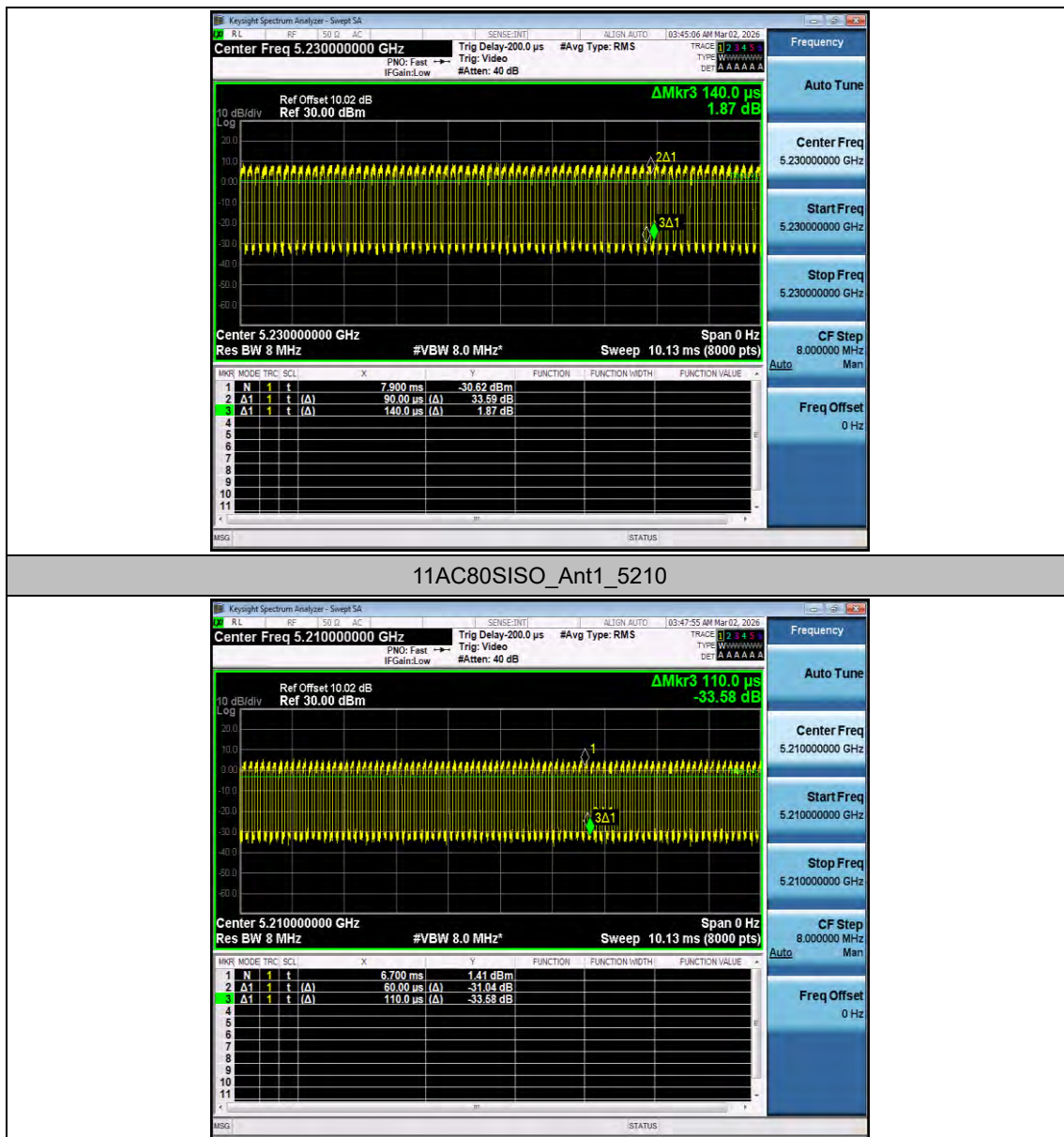
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200







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	Ant1	5180	11.72	96.53	0.15	11.87	≤23.98	PASS
		5200	11.86	96.53	0.15	12.01	≤23.98	PASS
		5240	11.77	96.55	0.15	11.92	≤23.98	PASS
11N20SISO	Ant1	5180	12.32	76.19	1.18	13.50	≤23.98	PASS
		5200	12.33	77.27	1.12	13.45	≤23.98	PASS
		5240	12.22	76.19	1.18	13.40	≤23.98	PASS
11N40SISO	Ant1	5190	11.36	62.50	2.04	13.40	≤23.98	PASS
		5230	11.39	66.67	1.76	13.15	≤23.98	PASS
11AC20SISO	Ant1	5180	11.08	75.00	1.25	12.33	≤23.98	PASS
		5200	11.13	75.00	1.25	12.38	≤23.98	PASS
		5240	11.08	75.00	1.25	12.33	≤23.98	PASS
11AC40SISO	Ant1	5190	10.14	64.29	1.92	12.06	≤23.98	PASS
		5230	10.34	64.29	1.92	12.26	≤23.98	PASS
11AC80SISO	Ant1	5210	9.49	54.55	2.63	12.12	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.23	≤11.00	PASS
		5200	1.32	≤11.00	PASS
		5240	1.32	≤11.00	PASS
11N20SISO	Ant1	5180	2.70	≤11.00	PASS
		5200	2.72	≤11.00	PASS
		5240	2.74	≤11.00	PASS
11N40SISO	Ant1	5190	-0.11	≤11.00	PASS
		5230	-0.24	≤11.00	PASS
11AC20SISO	Ant1	5180	1.24	≤11.00	PASS
		5200	1.35	≤11.00	PASS
		5240	1.26	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.73	≤11.00	PASS
		5230	-1.32	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.49	≤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



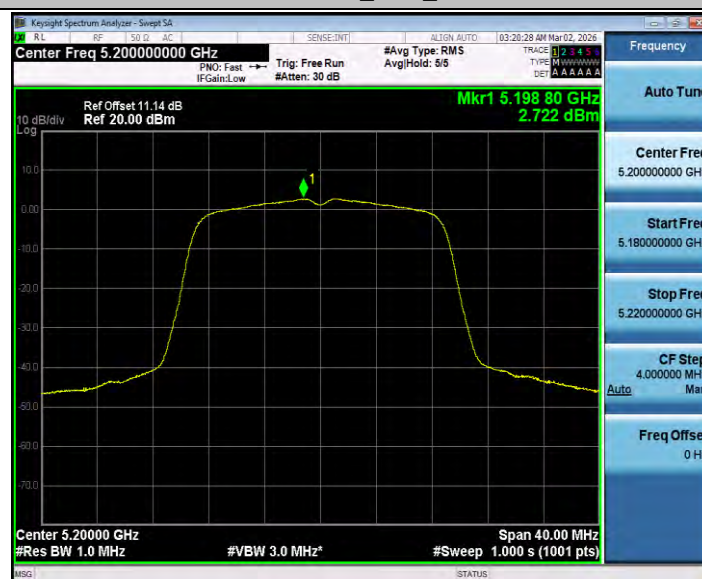
11A_Ant1_5240



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

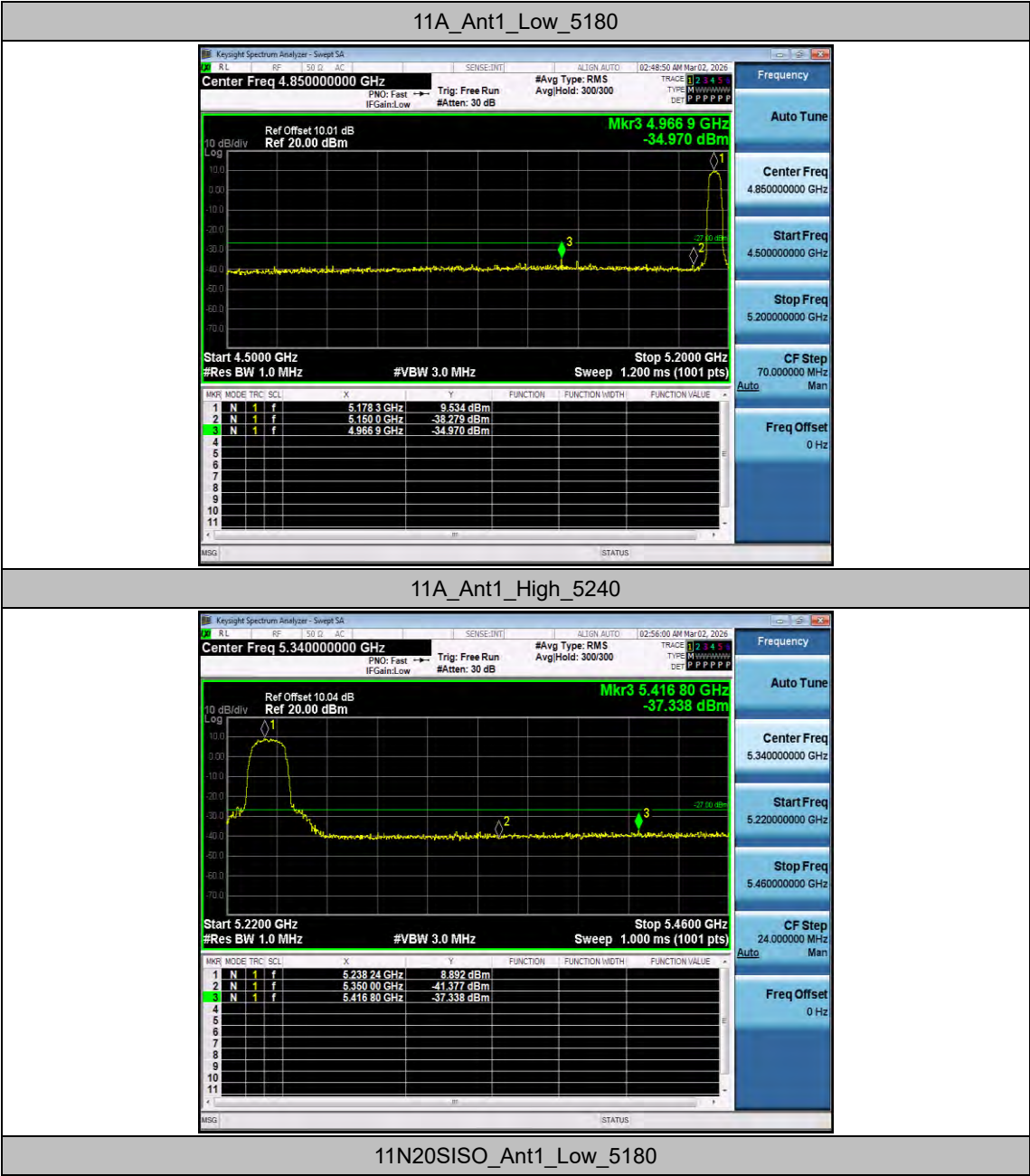


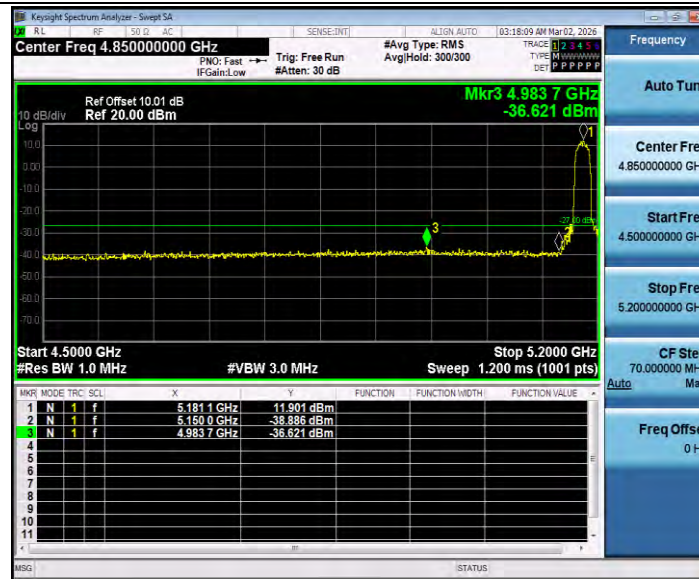
Appendix D.6:Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-34.97	≤-27	PASS
		High	5240	-37.34	≤-27	PASS
11N20SISO	Ant1	Low	5180	-36.62	≤-27	PASS
		High	5240	-37.05	≤-27	PASS
11N40SISO	Ant1	Low	5190	-31.79	≤-27	PASS
		High	5230	-37.21	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-36.82	≤-27	PASS
		High	5240	-36.85	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-31.35	≤-27	PASS
		High	5230	-37.58	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-35.25	≤-27	PASS
		High	5210	-37.33	≤-27	PASS

Test GraphsB1

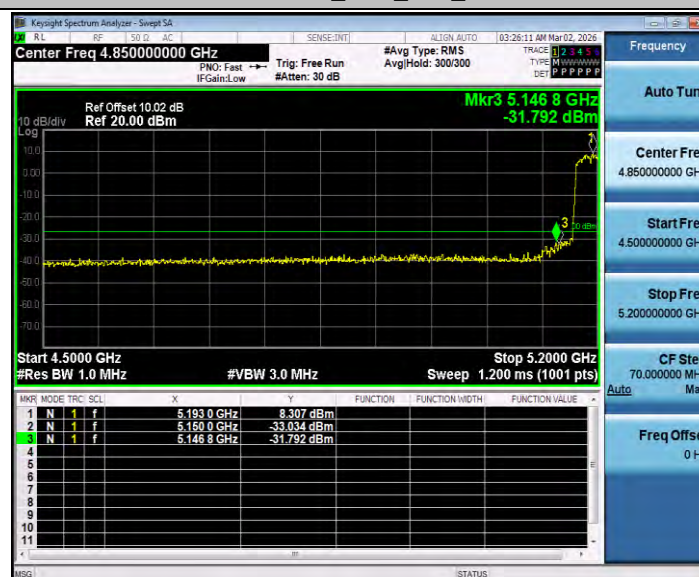




11N20SISO_Ant1_High_5240



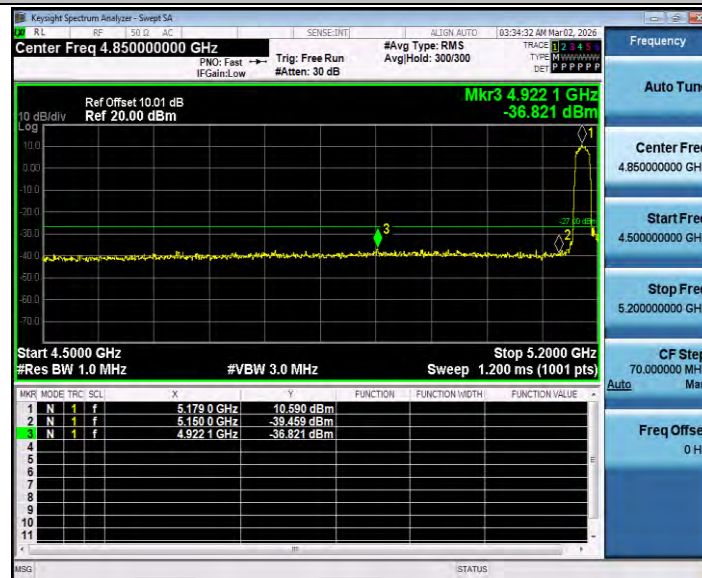
11N40SISO_Ant1_Low_5190



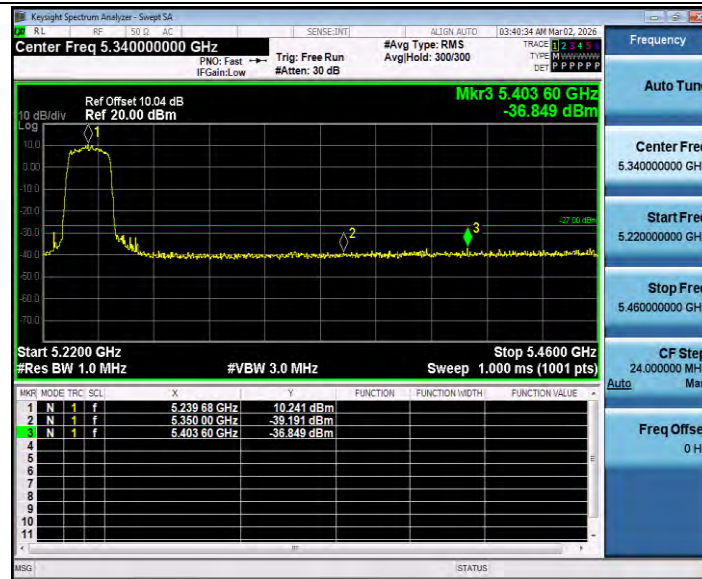
11N40SISO_Ant1_High_5230



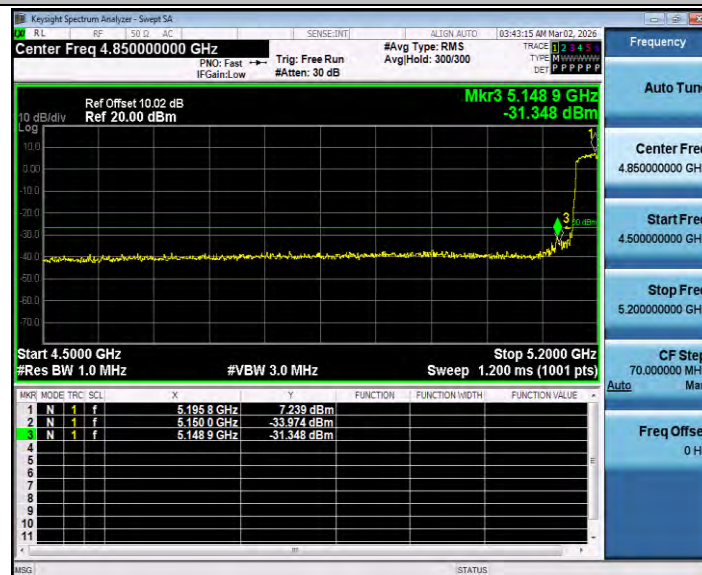
11AC20SISO_Ant1_Low_5180



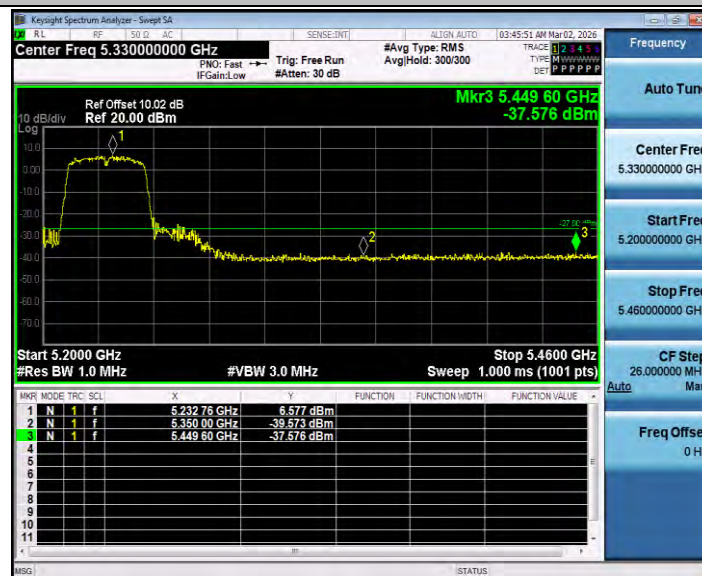
11AC20SISO_Ant1_High_5240



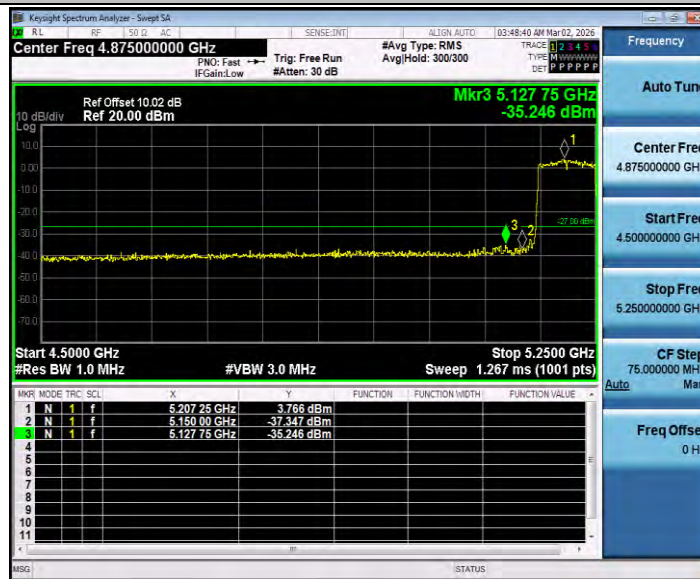
11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix D.7:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4920.95	-46.18	≤-27	PASS
			5360~27000	24311.59	-37.08	≤-27	PASS
		5200	30~5140	5121.09	-45.58	≤-27	PASS
			5360~27000	24298.61	-36.48	≤-27	PASS
		5240	30~5140	3094.64	-46.31	≤-27	PASS
			5360~27000	24202.67	-36.9	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5134.38	-44.22	≤-27	PASS
			5360~27000	24887.21	-37.17	≤-27	PASS
		5200	30~5140	5131.99	-45.57	≤-27	PASS
			5360~27000	23528.22	-36.86	≤-27	PASS
		5240	30~5140	2685.16	-46.61	≤-27	PASS
			5360~27000	24776.13	-36.26	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5132.85	-36.27	≤-27	PASS
			5360~27000	24866.3	-37.23	≤-27	PASS
		5230	30~5140	5132.34	-45.26	≤-27	PASS
			5360~27000	24270.47	-37.08	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5121.09	-45.9	≤-27	PASS
			5360~27000	24168.05	-37.37	≤-27	PASS
		5200	30~5140	3069.26	-46.48	≤-27	PASS
			5360~27000	24977.38	-37.23	≤-27	PASS
		5240	30~5140	4941.56	-46.11	≤-27	PASS
			5360~27000	24211.33	-36.59	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.83	-34.04	≤-27	PASS
			5360~27000	24230.08	-36.99	≤-27	PASS
		5230	30~5140	5134.04	-44.11	≤-27	PASS
			5360~27000	25263.75	-36.59	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5116.66	-38.52	≤-27	PASS
			5360~27000	24232.97	-36.93	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~27000



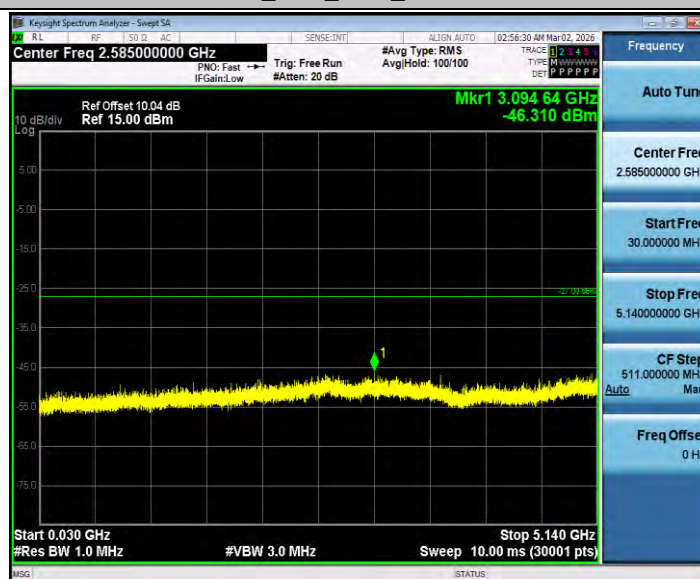
11A_Ant1_5200_30~5140



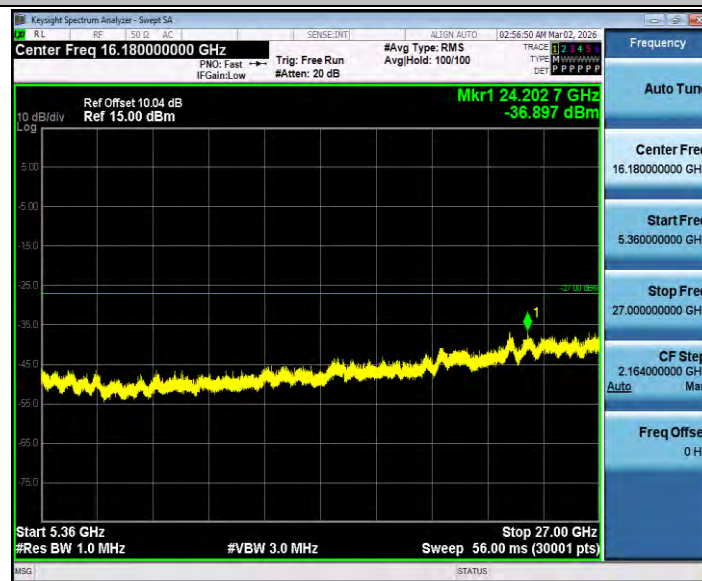
11A_Ant1_5200_5360~27000



11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~27000



11N20SISO_Ant1_5180_30~5140



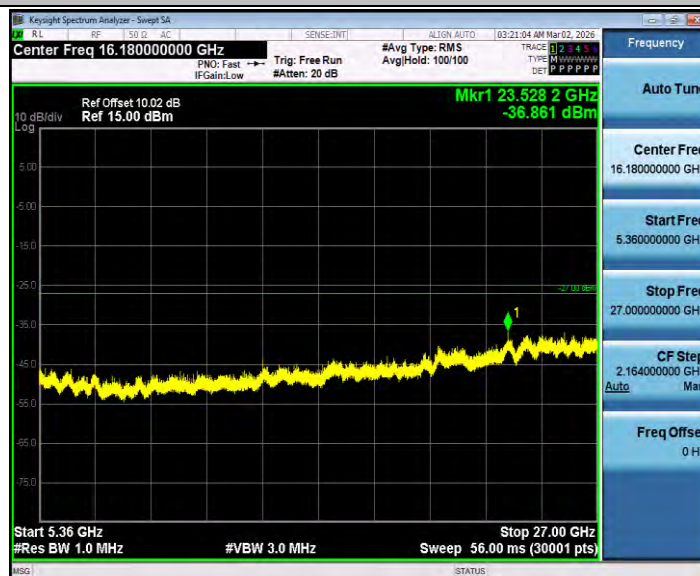
11N20SISO_Ant1_5180_5360~27000



11N20SISO_Ant1_5200_30~5140



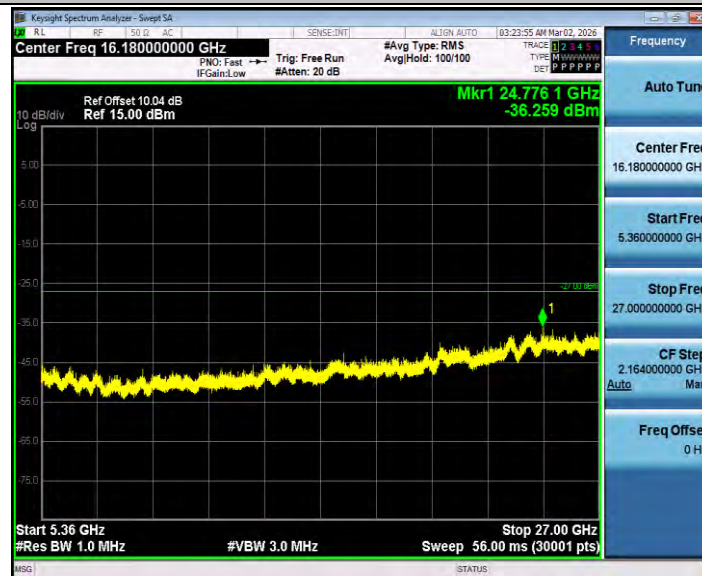
11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



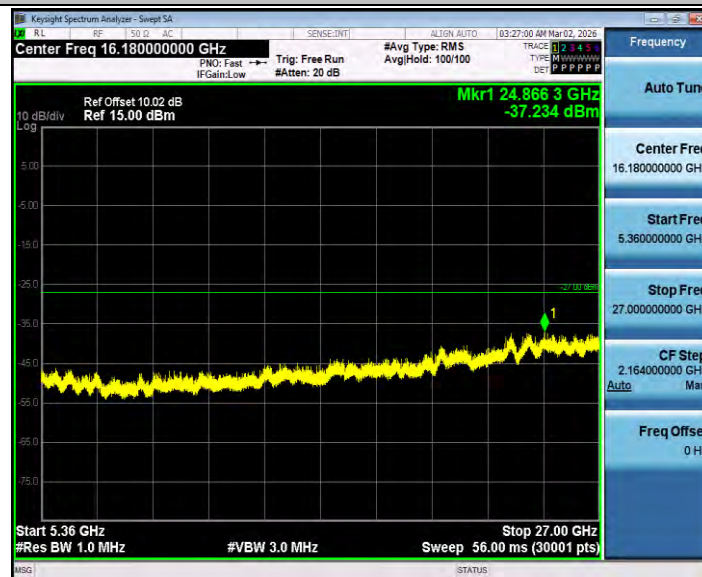
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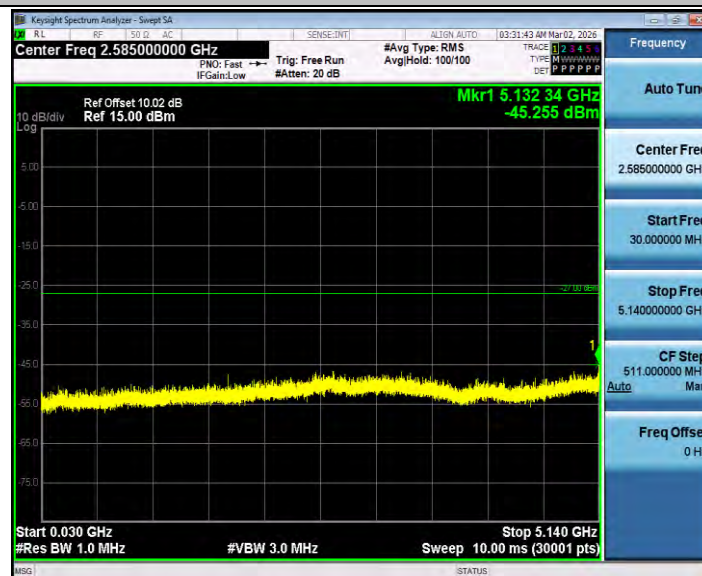
11N40SISO_Ant1_5190_30~5140



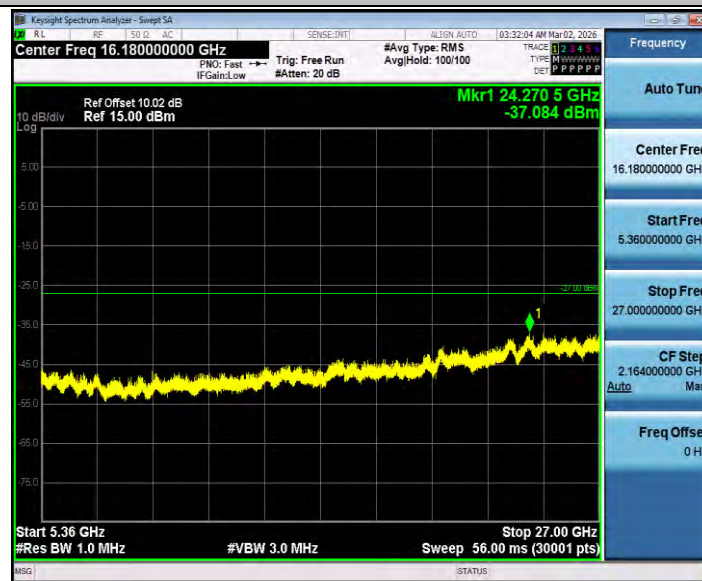
11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000



11AC20SISO_Ant1_5180_30~5140



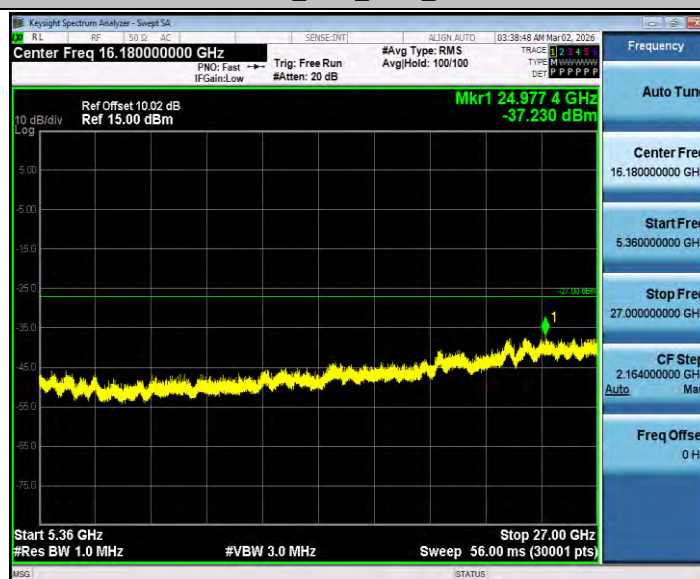
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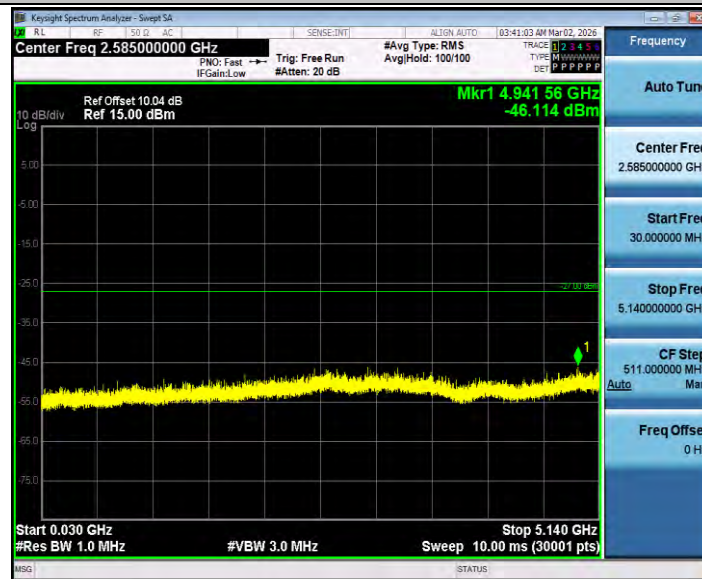
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11AC20SISO_Ant1_5240_30~5140



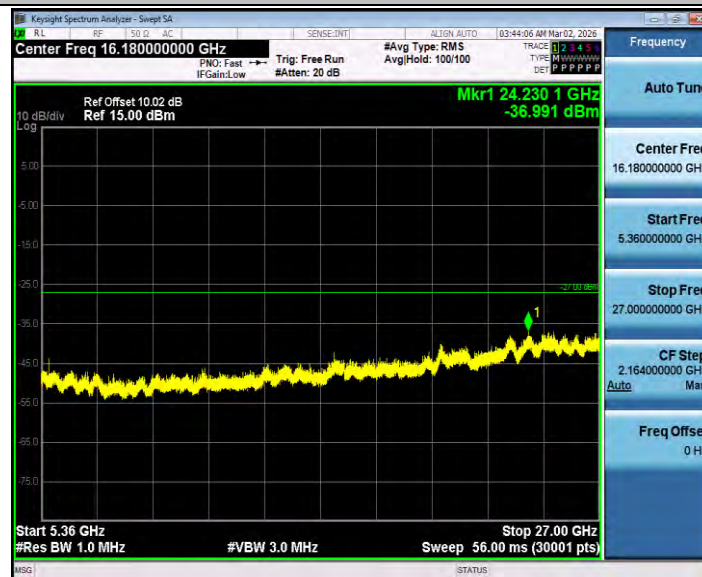
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11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000

