

Case No. : <u>GTS20260302018-2-04</u>
Ambient Condition: <u>25</u> °C, <u>52</u> %RH
According Standard: ■Part15E
Test Date: <u>2026.3.19-2026.3.26</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	20.320	5169.760	5190.080	---	---
		5200	20.560	5189.680	5210.240	---	---
		5240	20.240	5229.800	5250.040	---	---
11N20SISO	Ant1	5180	21.240	5169.320	5190.560	---	---
		5200	21.560	5189.280	5210.840	---	---
		5240	21.240	5229.200	5250.440	---	---
11N40SISO	Ant1	5190	41.760	5168.880	5210.640	---	---
		5230	42.080	5208.720	5250.800	---	---
11AC20SISO	Ant1	5180	21.320	5169.320	5190.640	---	---
		5200	21.160	5189.400	5210.560	---	---
		5240	21.160	5229.320	5250.480	---	---
11AC40SISO	Ant1	5190	41.760	5169.040	5210.800	---	---
		5230	41.840	5208.960	5250.800	---	---
11AC80SISO	Ant1	5210	81.920	5169.040	5250.960	---	---

Test Graphs



11A_Ant1_5200

Frequency

Auto Tune

Center Freq
5.200000000 GHzStart Freq
5.180000000 GHzStop Freq
5.220000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

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

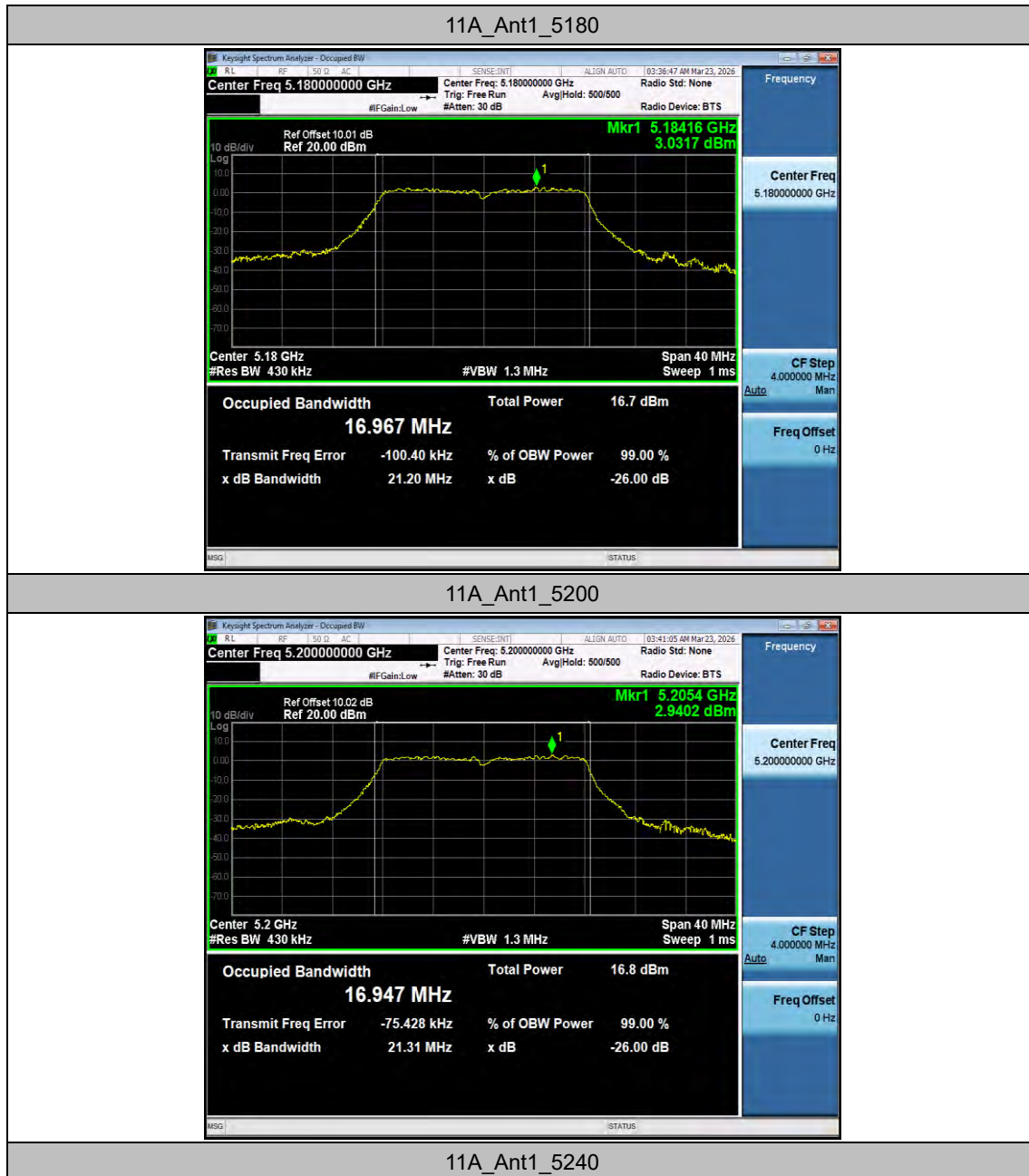


Appendix D.2: Occupied channel bandwidth

Test Result

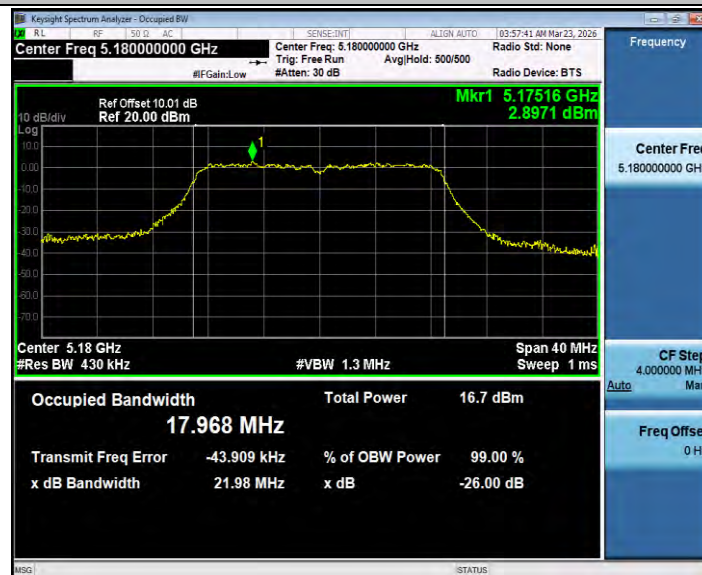
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.967	5171.4161	5188.3831	---	---
		5200	16.947	5191.4511	5208.3981	---	---
		5240	16.884	5231.5055	5248.3895	---	---
11N20SISO	Ant1	5180	17.968	5170.9721	5188.9401	---	---
		5200	17.944	5191.0028	5208.9468	---	---
		5240	17.973	5230.9758	5248.9488	---	---
11N40SISO	Ant1	5190	36.617	5171.7412	5208.3582	---	---
		5230	36.561	5211.6897	5248.2507	---	---
11AC20SISO	Ant1	5180	17.934	5170.9914	5188.9254	---	---
		5200	17.944	5191.0184	5208.9624	---	---
		5240	17.952	5230.9769	5248.9289	---	---
11AC40SISO	Ant1	5190	36.550	5171.7741	5208.3241	---	---
		5230	36.520	5211.6996	5248.2196	---	---
11AC80SISO	Ant1	5210	75.586	5172.2278	5247.8138	---	---

Test Graphs

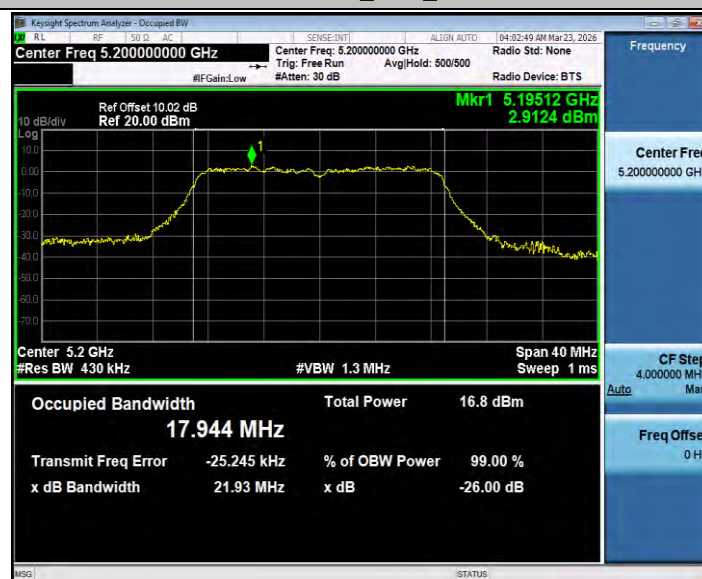




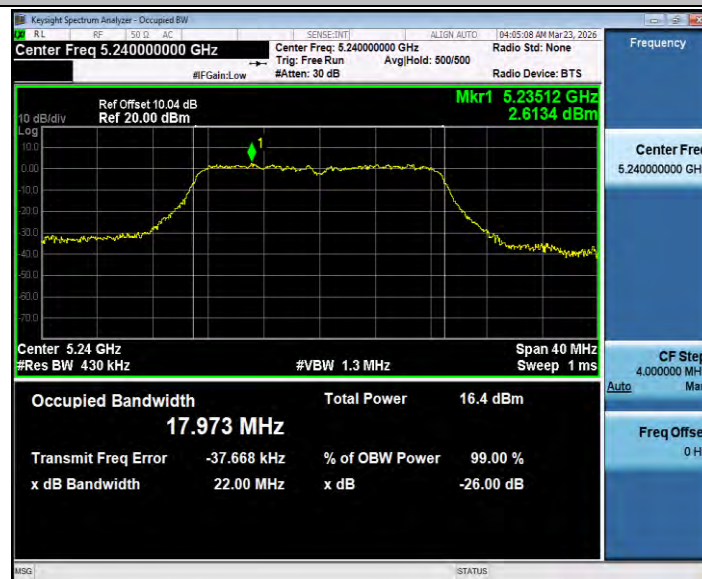
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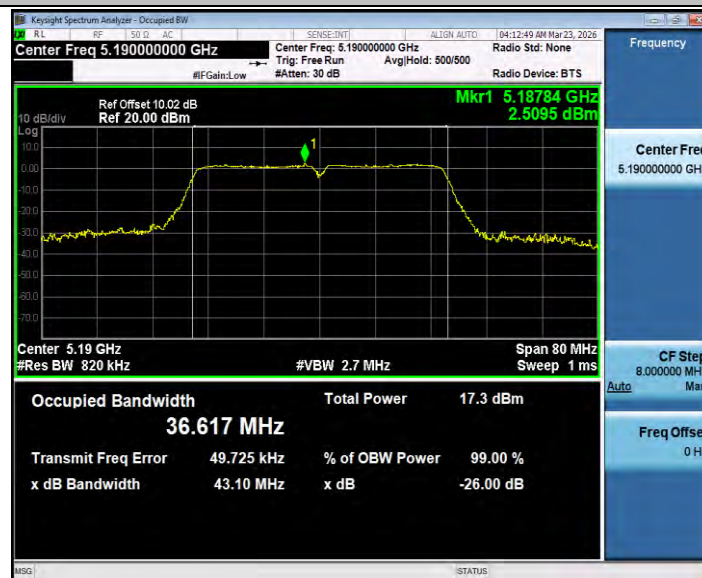
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11N20SISO_Ant1_5240



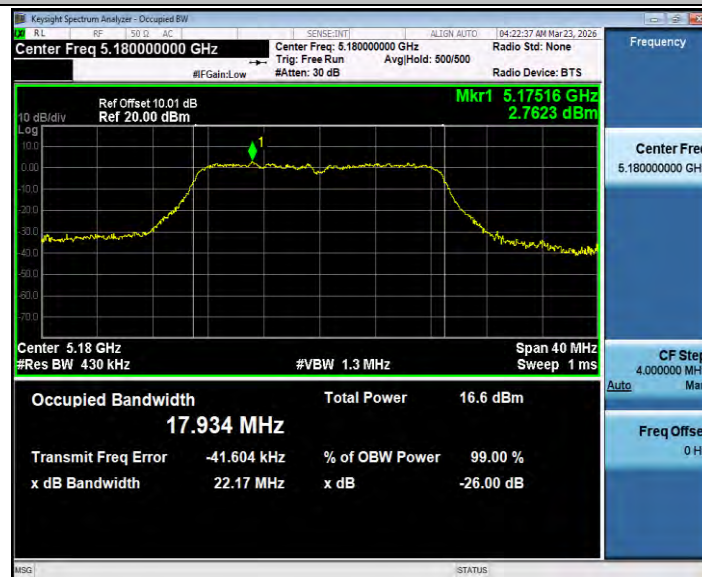
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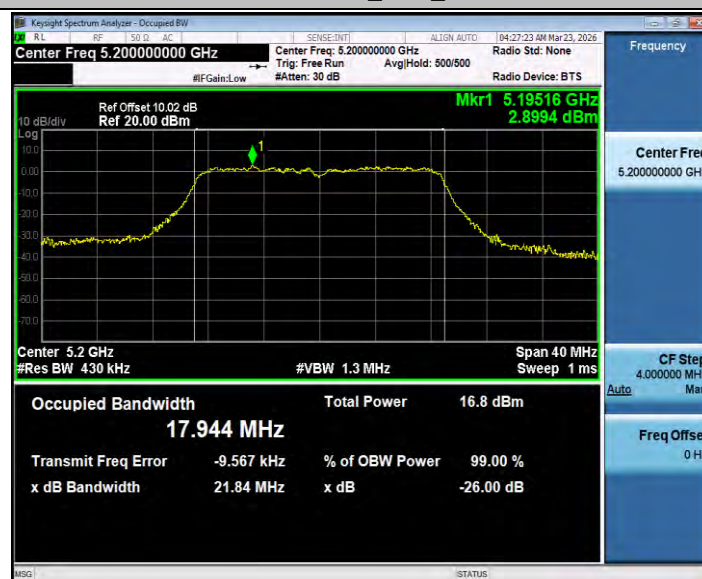
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11AC20SISO_Ant1_5180



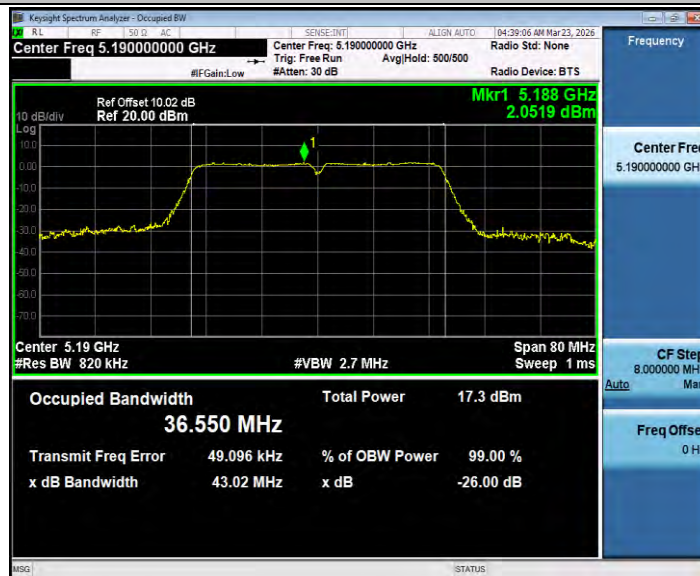
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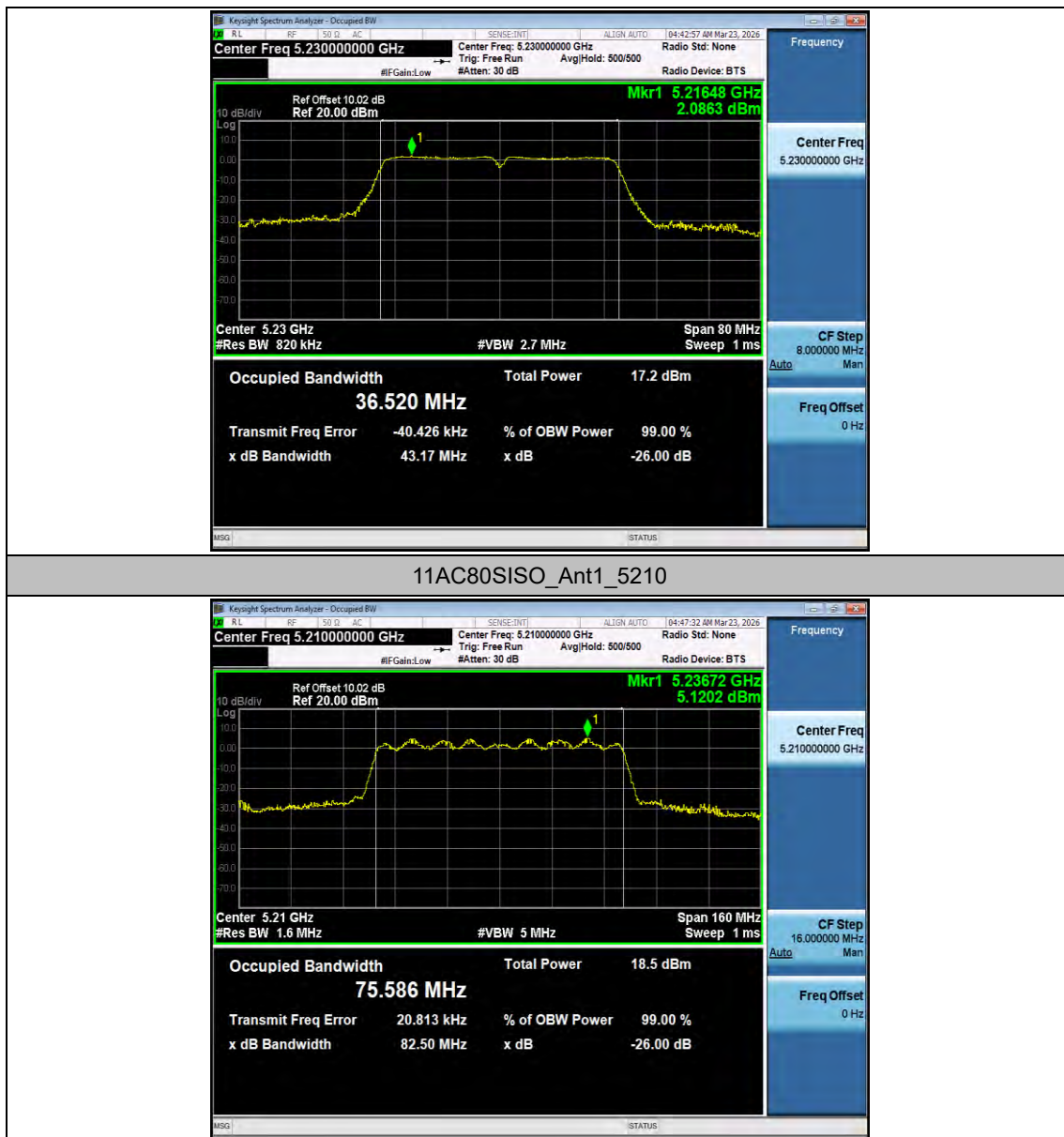
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



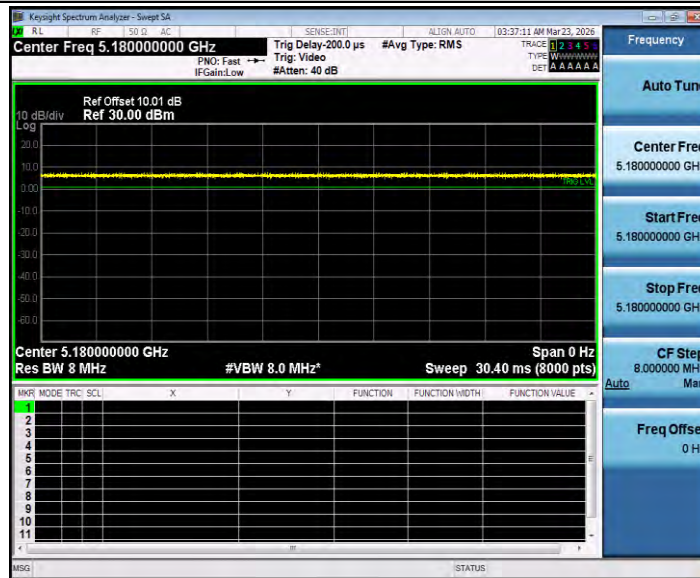
AppendixD.3: Duty Cycle

Test Result

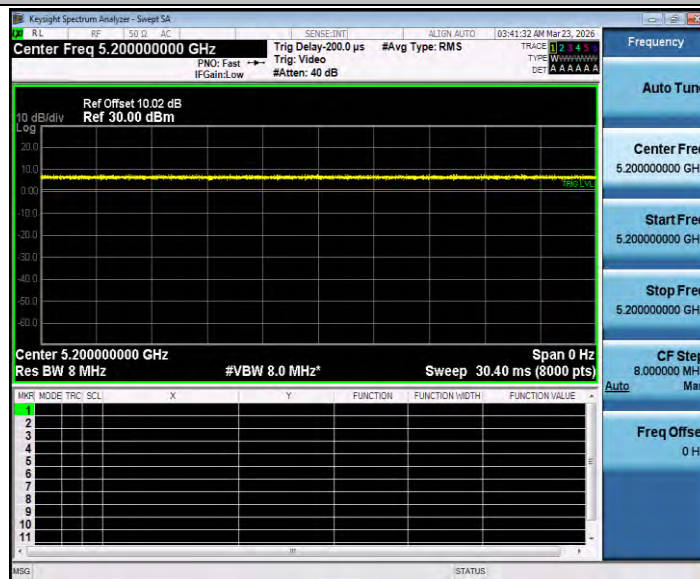
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5190	30.00	30.00	100.00	0.00	0.03
		5230	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5210	30.00	30.00	100.00	0.00	0.03

Test Graphs

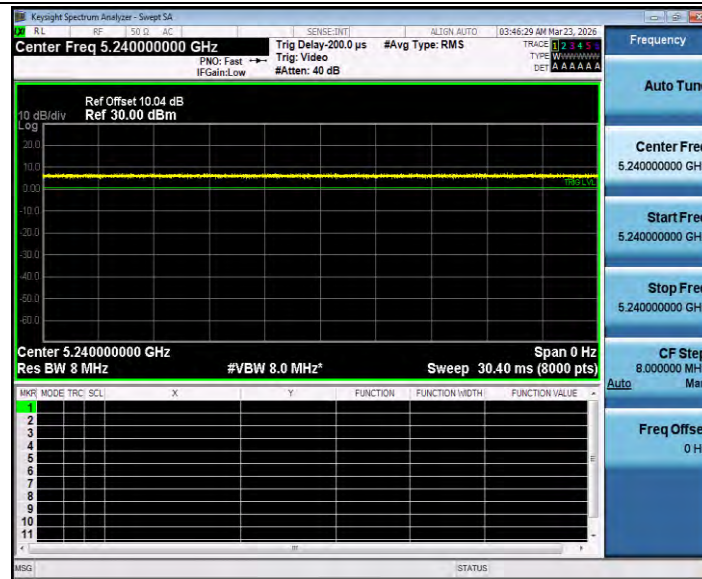
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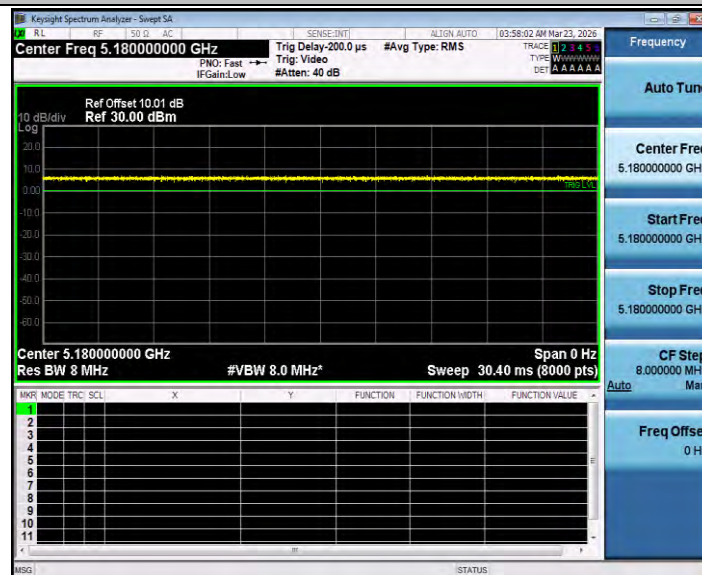
11A_Ant1_5200



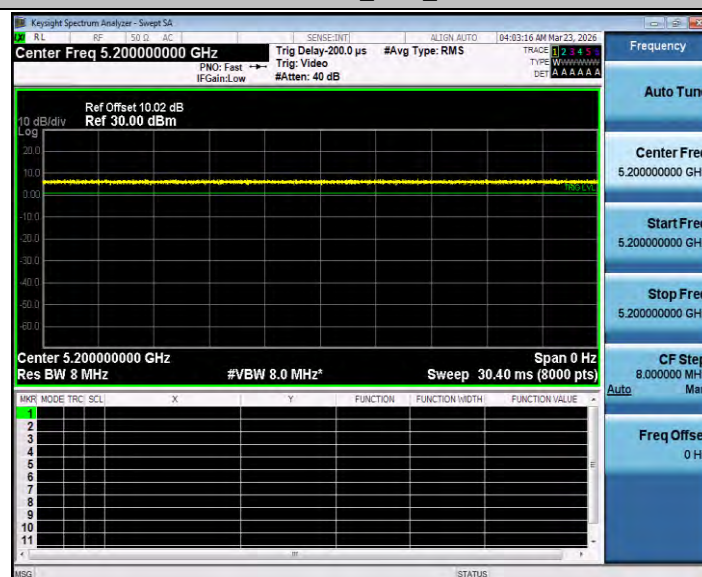
11A_Ant1_5240



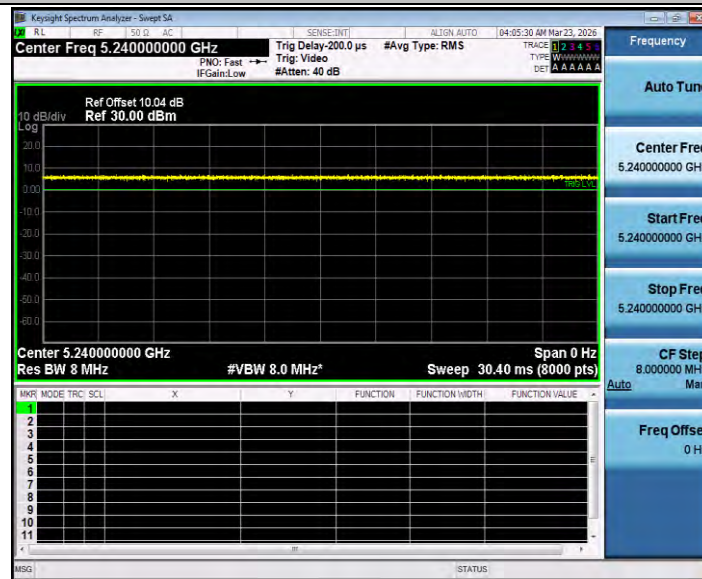
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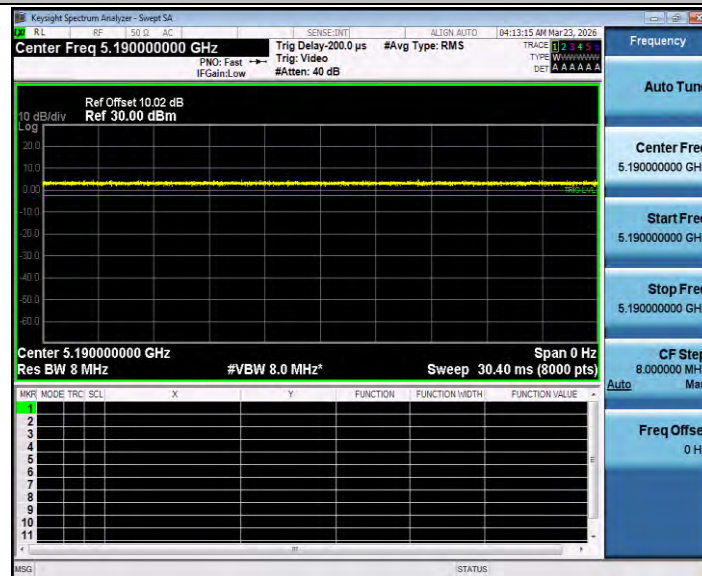
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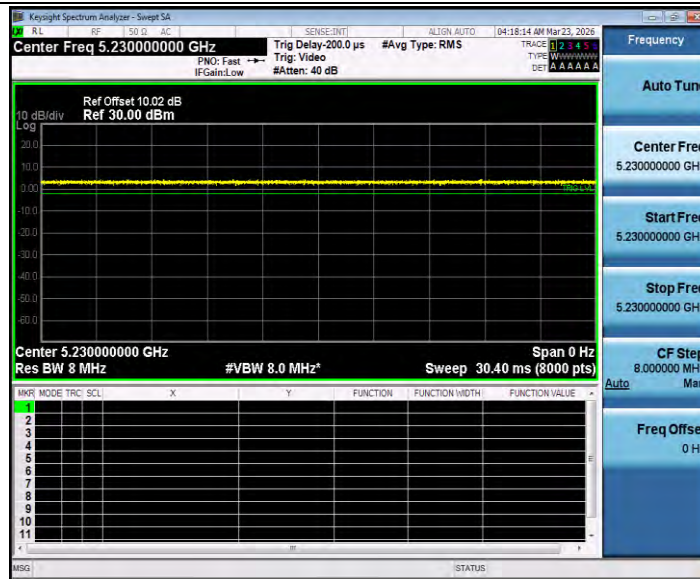
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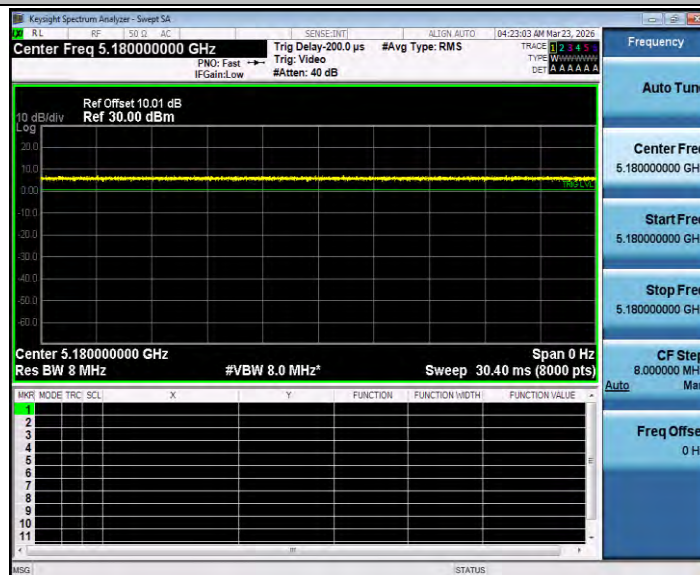
11N40SISO_Ant1_5190



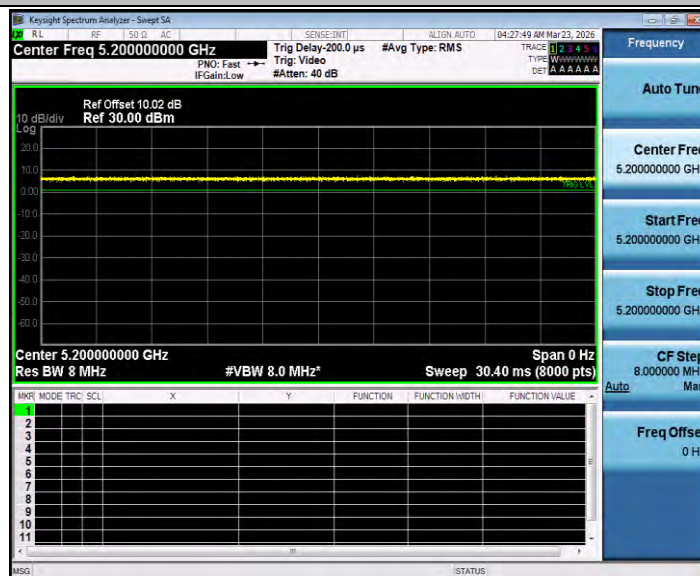
11N40SISO_Ant1_5230



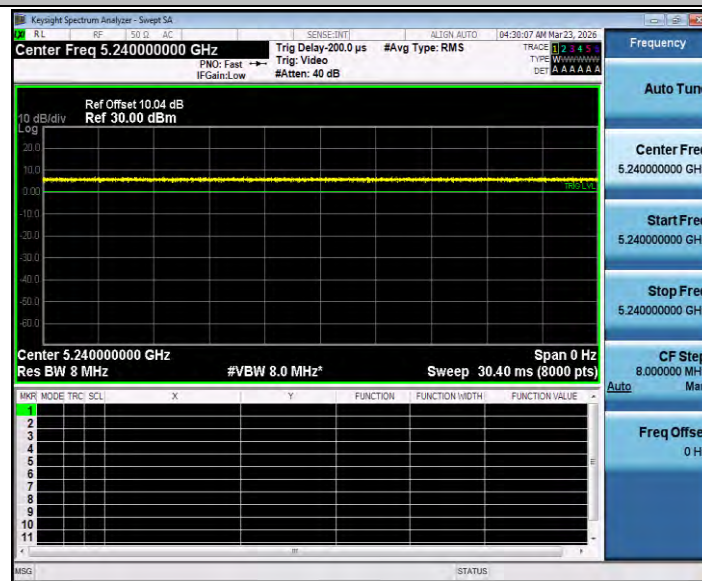
11AC20SISO_Ant1_5180



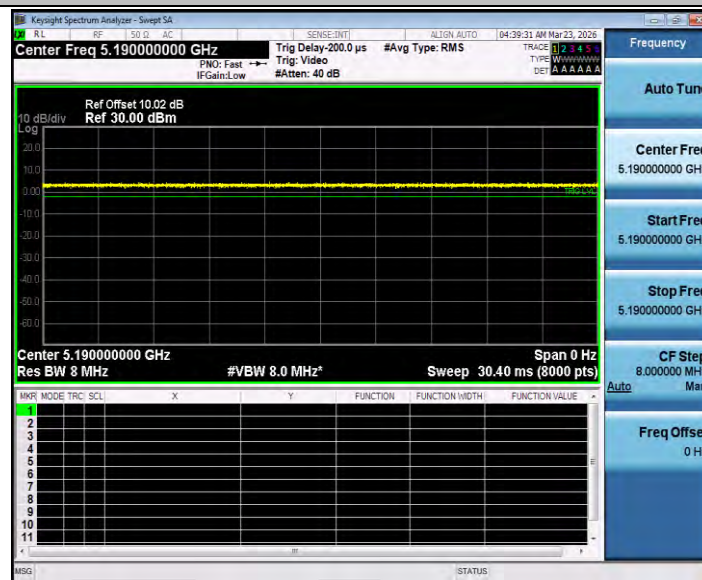
11AC20SISO_Ant1_5200



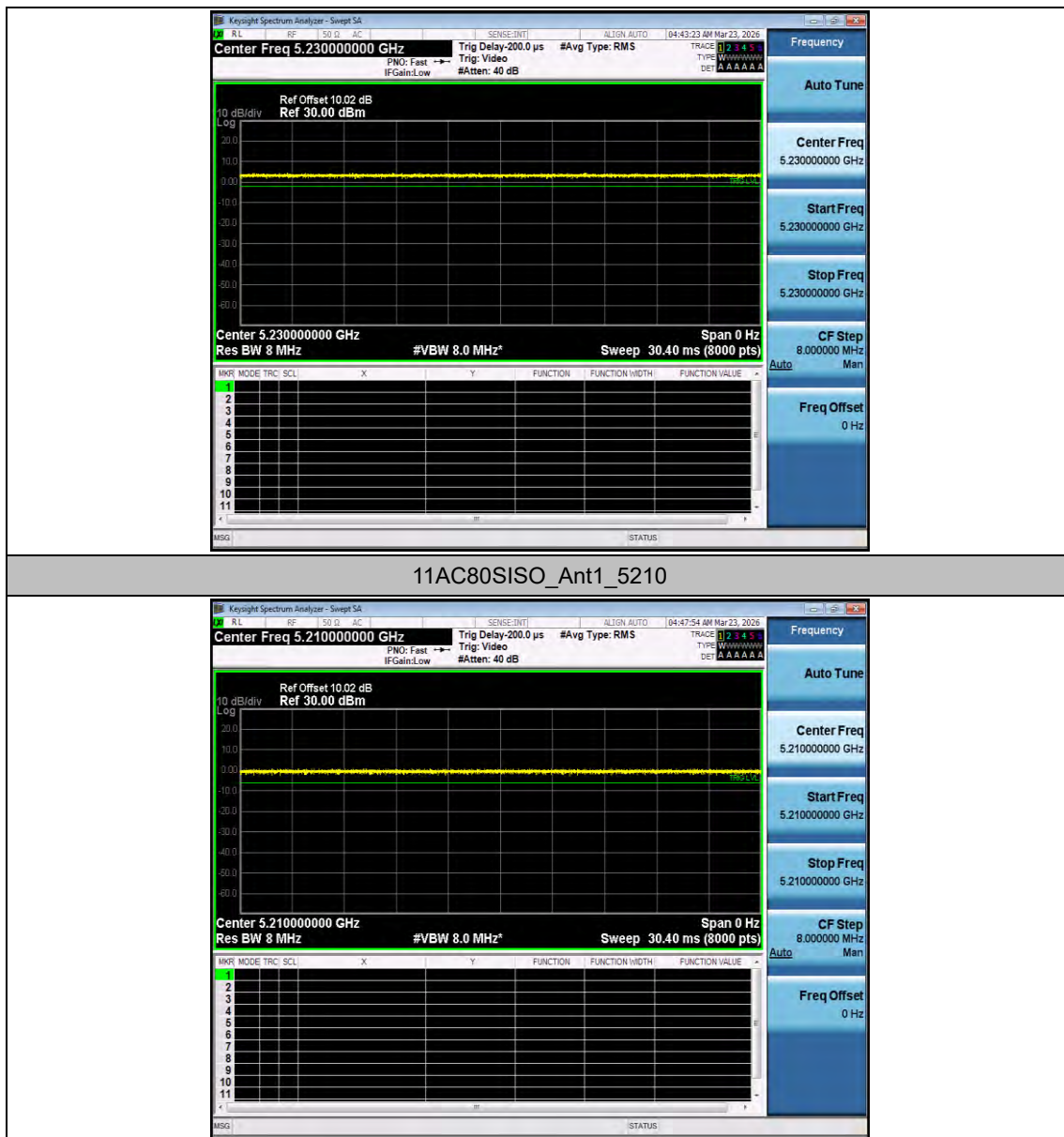
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



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	10.12	100.00	0.00	10.12	≤23.98	PASS
		5200	10.31	100.00	0.00	10.31	≤23.98	PASS
		5240	9.77	100.00	0.00	9.77	≤23.98	PASS
11N20SISO	Ant1	5180	9.98	100.00	0.00	9.98	≤23.98	PASS
		5200	10.11	100.00	0.00	10.11	≤23.98	PASS
		5240	9.74	100.00	0.00	9.74	≤23.98	PASS
11N40SISO	Ant1	5190	10.10	100.00	0.00	10.10	≤23.98	PASS
		5230	9.95	100.00	0.00	9.95	≤23.98	PASS
11AC20SISO	Ant1	5180	9.93	100.00	0.00	9.93	≤23.98	PASS
		5200	10.17	100.00	0.00	10.17	≤23.98	PASS
		5240	9.77	100.00	0.00	9.77	≤23.98	PASS
11AC40SISO	Ant1	5190	10.09	100.00	0.00	10.09	≤23.98	PASS
		5230	10.02	100.00	0.00	10.02	≤23.98	PASS
11AC80SISO	Ant1	5210	9.64	100.00	0.00	9.64	≤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	-1.60	≤11.00	PASS
		5200	-1.26	≤11.00	PASS
		5240	-1.78	≤11.00	PASS
11N20SISO	Ant1	5180	-1.93	≤11.00	PASS
		5200	-1.64	≤11.00	PASS
		5240	-2.05	≤11.00	PASS
11N40SISO	Ant1	5190	-4.55	≤11.00	PASS
		5230	-4.73	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.95	≤11.00	PASS
		5200	-1.60	≤11.00	PASS
		5240	-2.04	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.56	≤11.00	PASS
		5230	-4.66	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.82	≤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

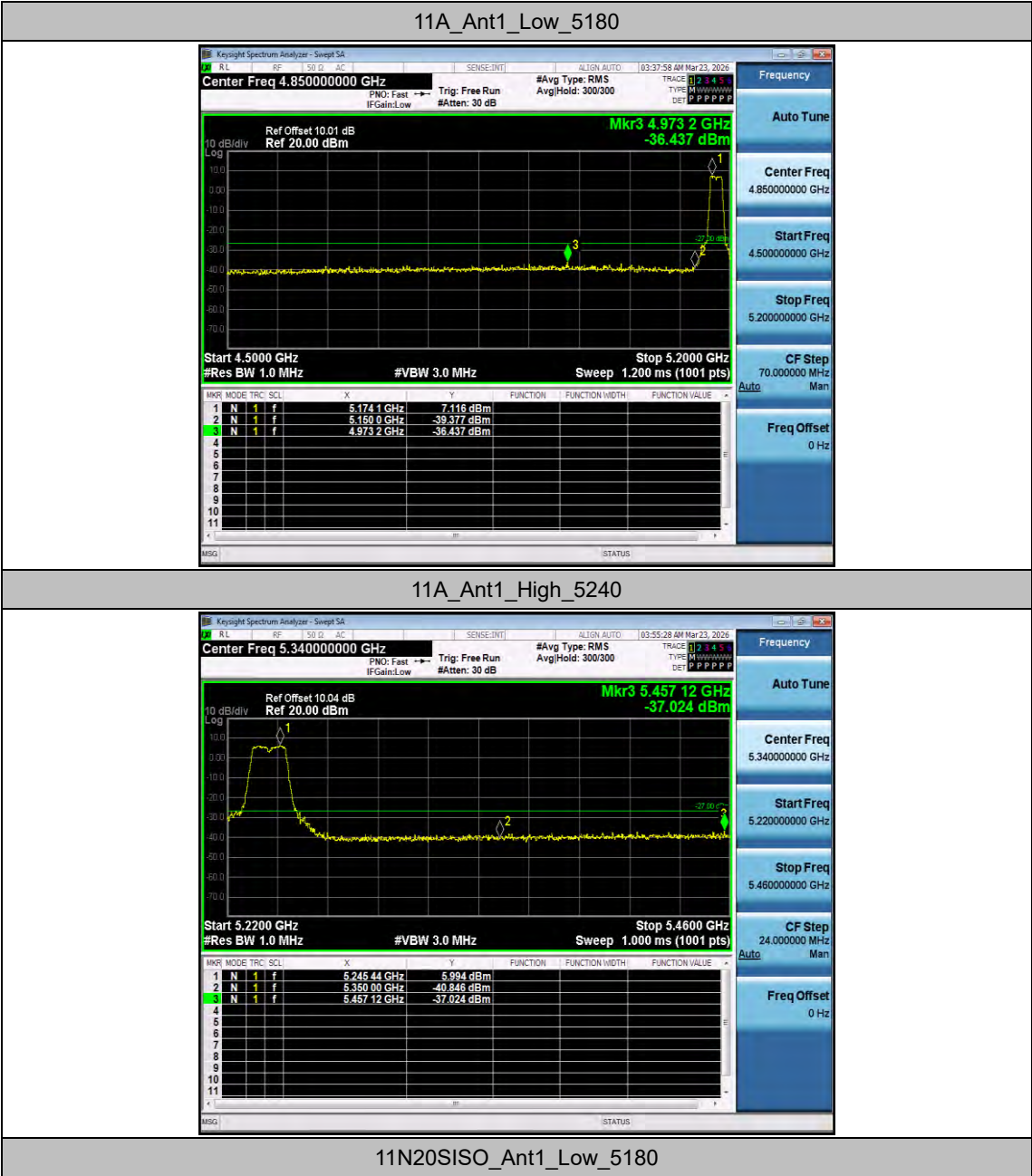


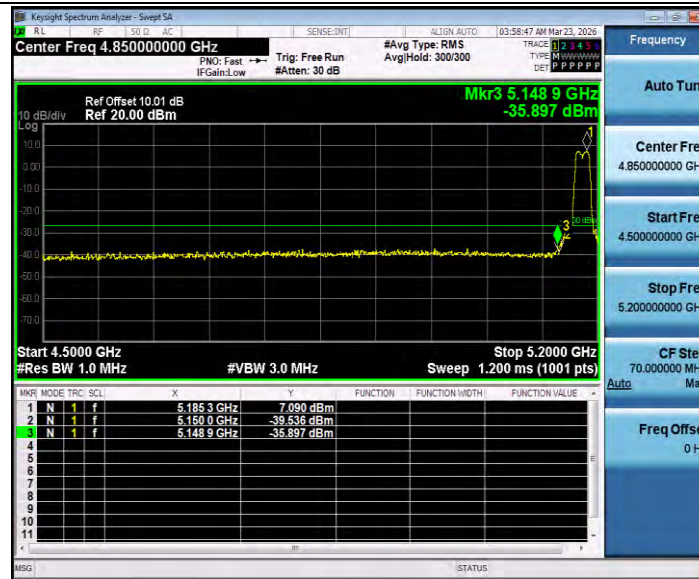
Appendix D.6:Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.44	≤ -27	PASS
		High	5240	-37.02	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-35.9	≤ -27	PASS
		High	5240	-37.39	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-31.54	≤ -27	PASS
		High	5230	-37.16	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-36.29	≤ -27	PASS
		High	5240	-36.11	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-31.92	≤ -27	PASS
		High	5230	-36.93	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-28.05	≤ -27	PASS
		High	5210	-37.57	≤ -27	PASS

Test GraphsB1

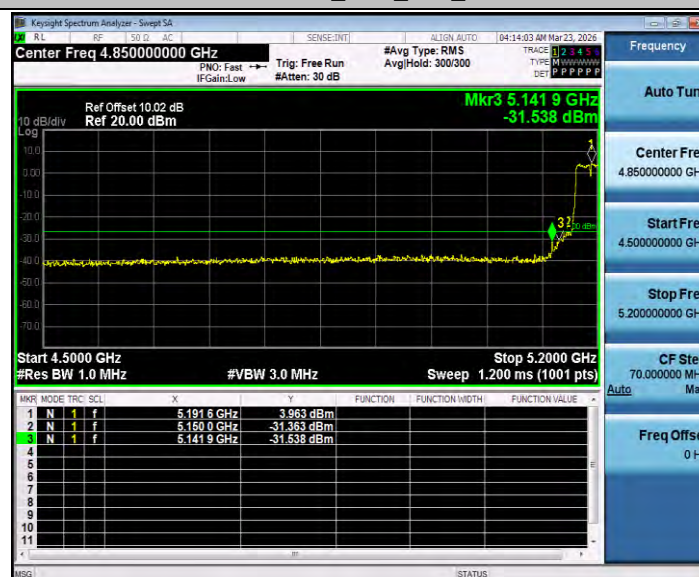




11N20SISO_Ant1_High_5240



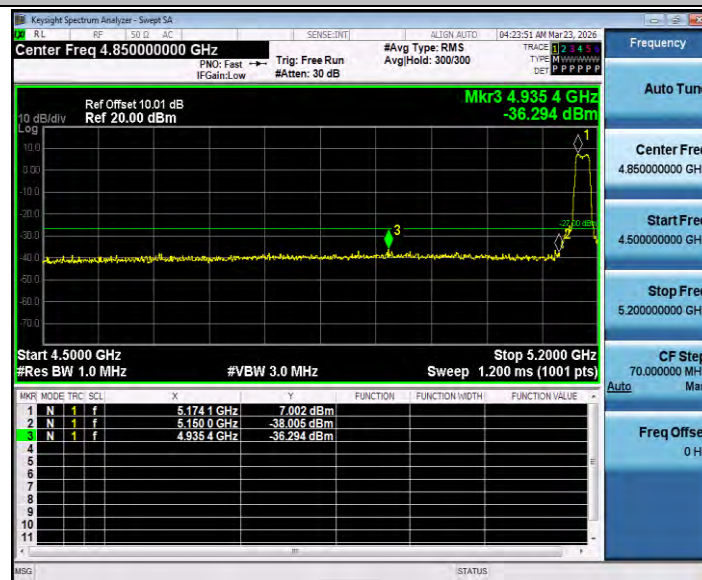
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



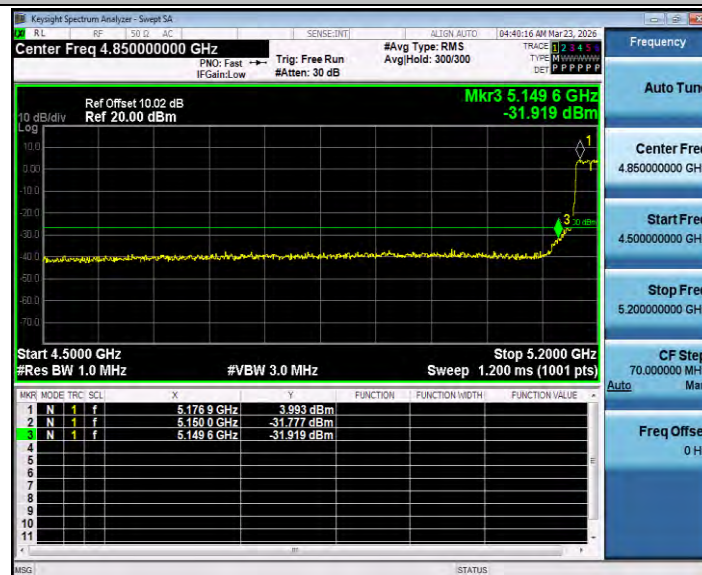
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



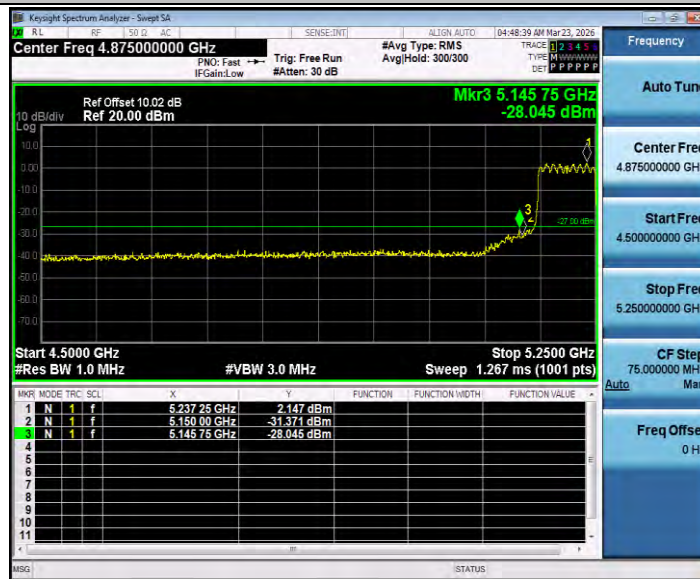
11AC40SISO_Ant1_Low_5190



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	2810.35	-44.75	≤-27	PASS
			5360~27000	25239.23	-36.11	≤-27	PASS
		5200	30~5140	4924.36	-45.88	≤-27	PASS
			5360~27000	25229.13	-37.14	≤-27	PASS
		5240	30~5140	2640.87	-46.23	≤-27	PASS
			5360~27000	24302.21	-36.91	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	2565.92	-46.34	≤-27	PASS
			5360~27000	24282.74	-36.37	≤-27	PASS
		5200	30~5140	2679.19	-45.9	≤-27	PASS
			5360~27000	26613.37	-36.92	≤-27	PASS
		5240	30~5140	3313.18	-46.52	≤-27	PASS
			5360~27000	25051.68	-37.35	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5140	-38.32	≤-27	PASS
			5360~27000	26966.1	-36.84	≤-27	PASS
		5230	30~5140	2691.29	-45.72	≤-27	PASS
			5360~27000	23493.6	-36.6	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	2402.57	-46.8	≤-27	PASS
			5360~27000	26856.45	-36.94	≤-27	PASS
		5200	30~5140	5028.94	-46.3	≤-27	PASS
			5360~27000	26046.4	-36.41	≤-27	PASS
		5240	30~5140	4928.28	-46.66	≤-27	PASS
			5360~27000	24259.65	-37.1	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	3152.72	-46.93	≤-27	PASS
			5360~27000	25718.19	-36.97	≤-27	PASS
		5230	30~5140	3326.8	-45.92	≤-27	PASS
			5360~27000	25138.24	-36.88	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5131.14	-32.58	≤-27	PASS
			5360~27000	24264.7	-36.74	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~27000



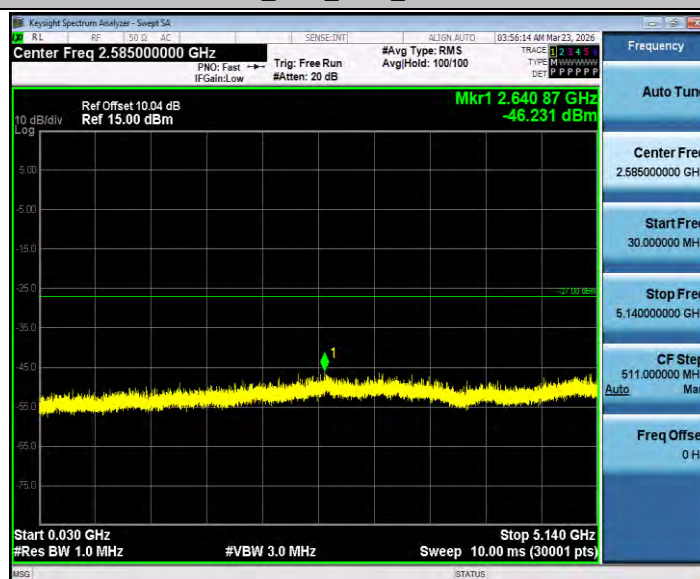
11A_Ant1_5200_30~5140



11A_Ant1_5200_5360~27000



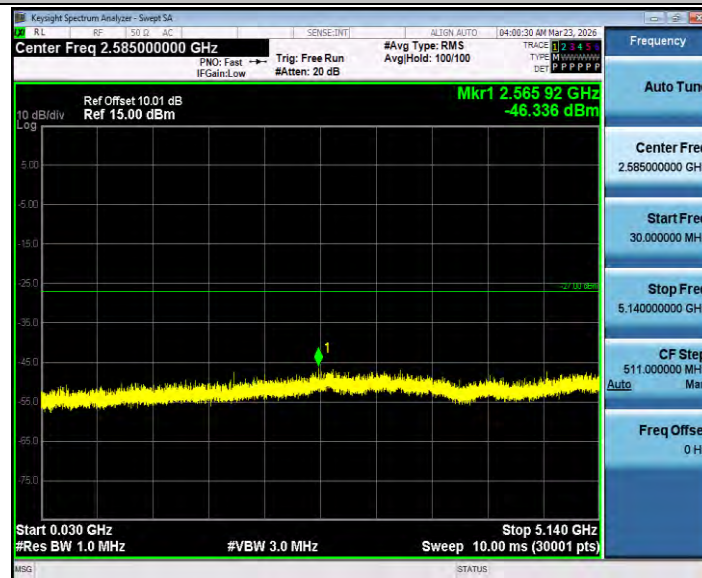
11A_Ant1_5240_30~5140



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



11N20SISO_Ant1_5240_5360~27000



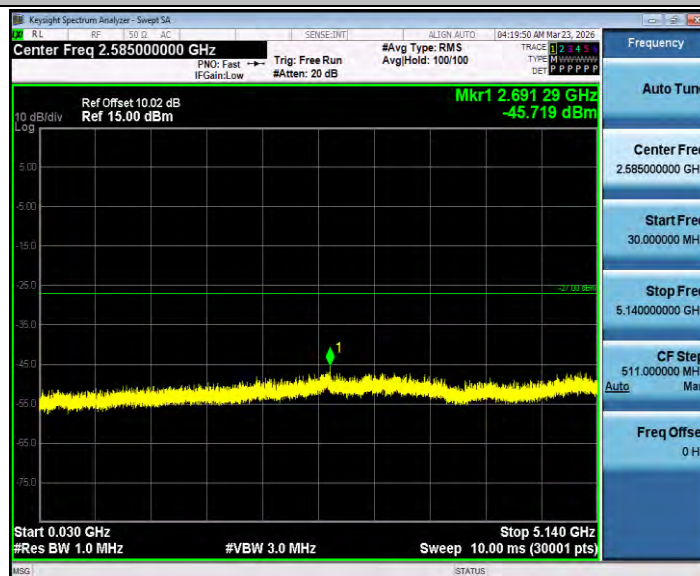
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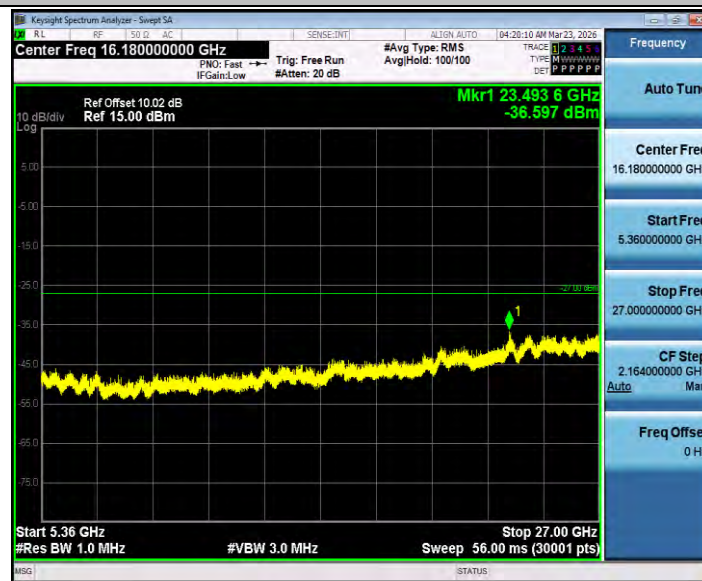
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11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000



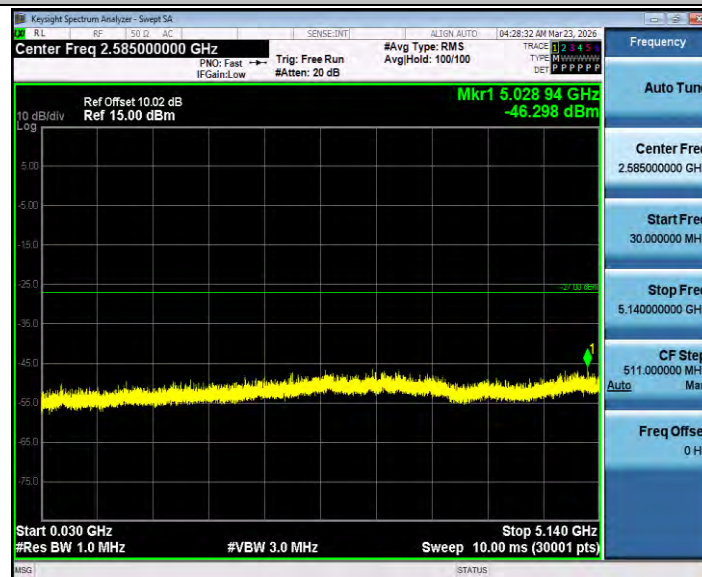
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11AC20SISO_Ant1_5180_5360~27000



11AC20SISO_Ant1_5200_30~5140



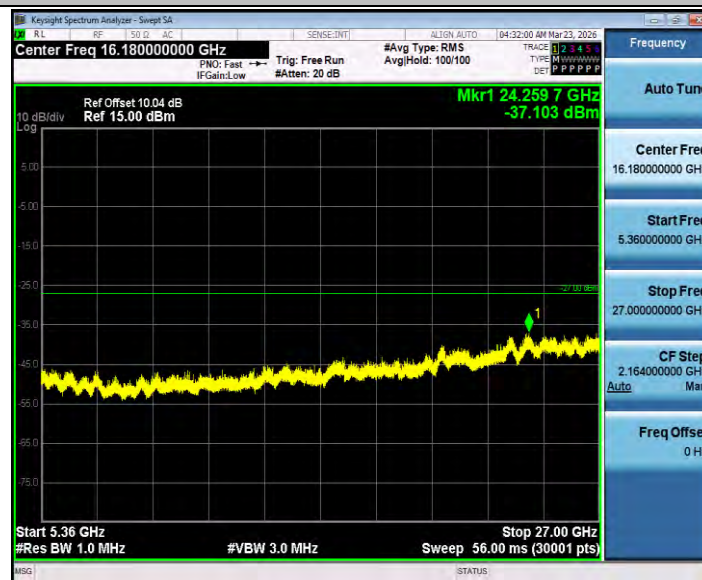
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11AC20SISO_Ant1_5240_30~5140



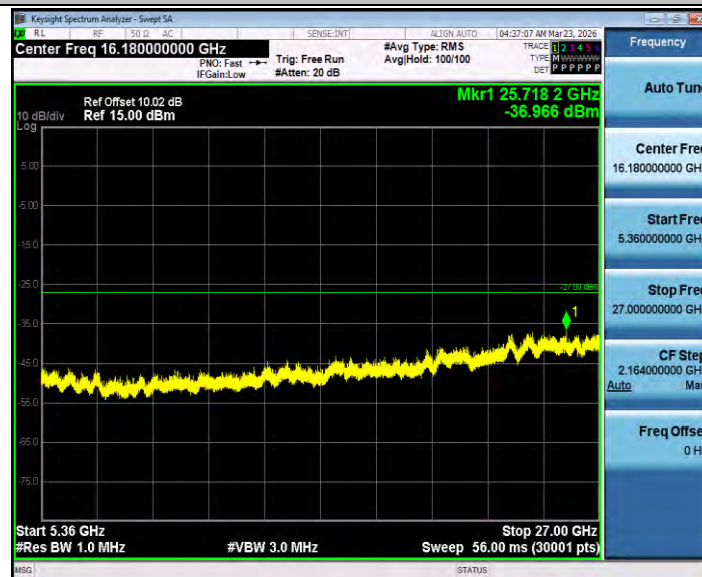
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11AC40SISO_Ant1_5190_30~5140



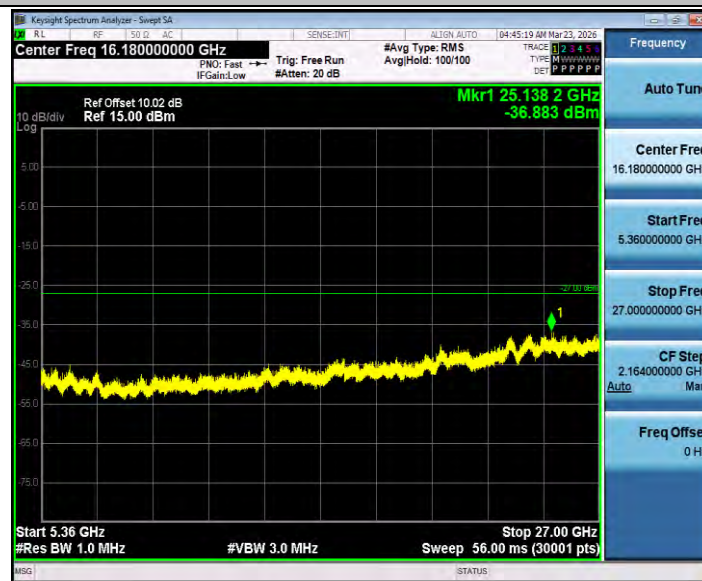
11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000

