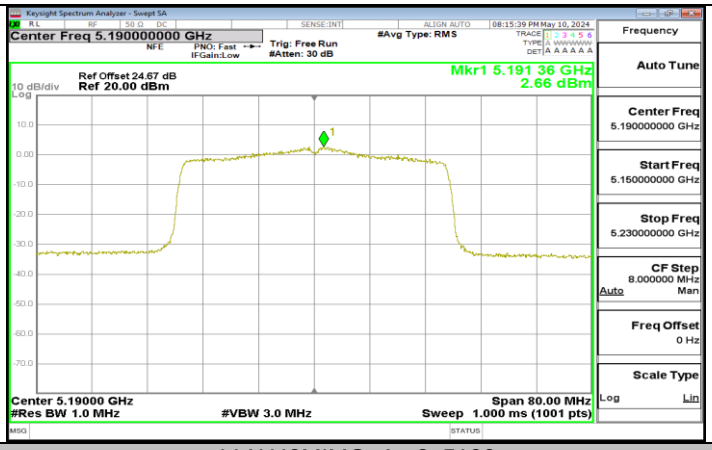

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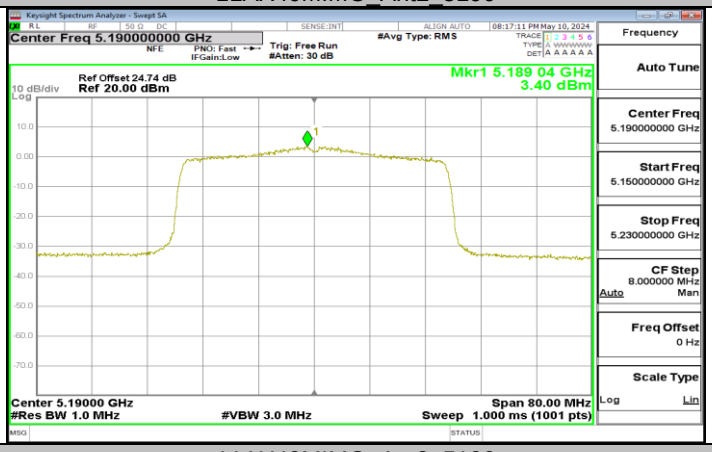

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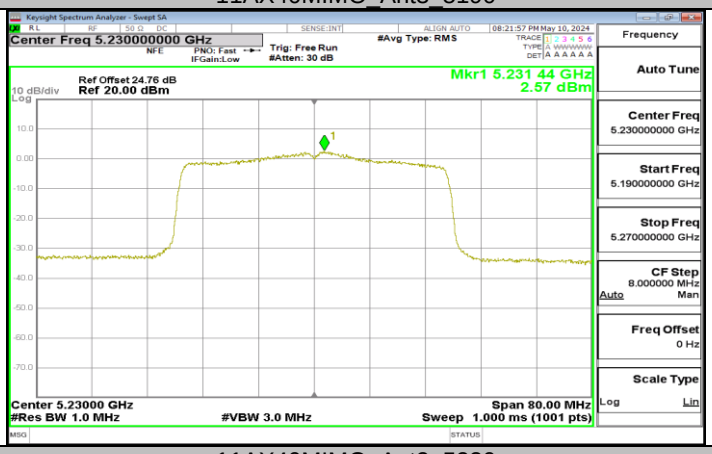

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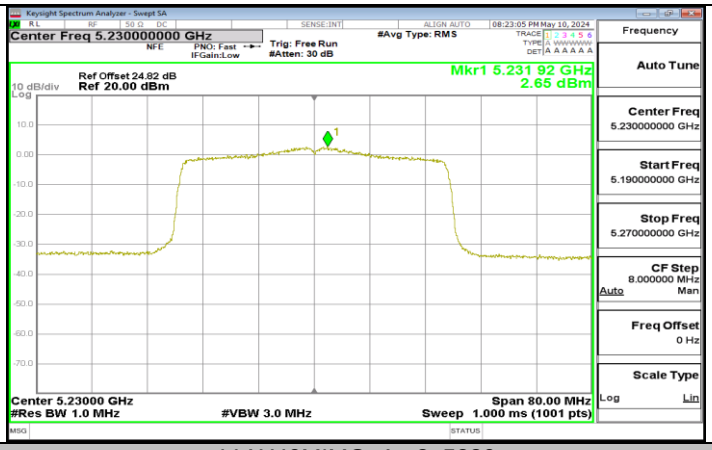

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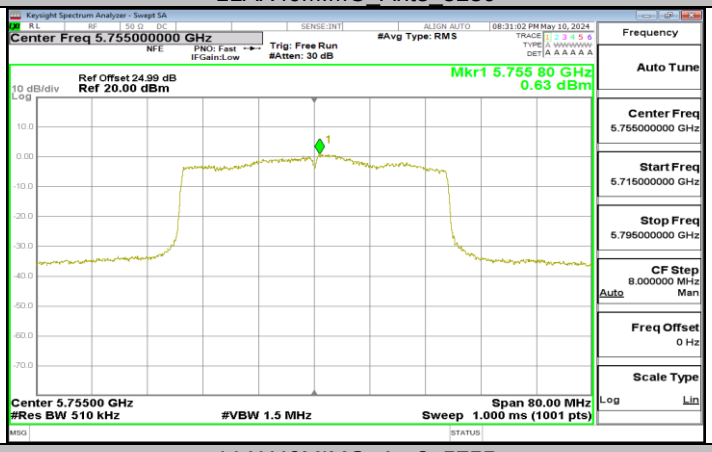

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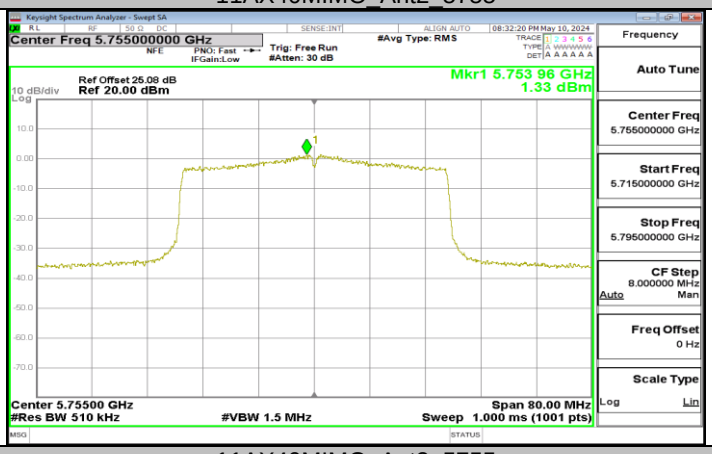

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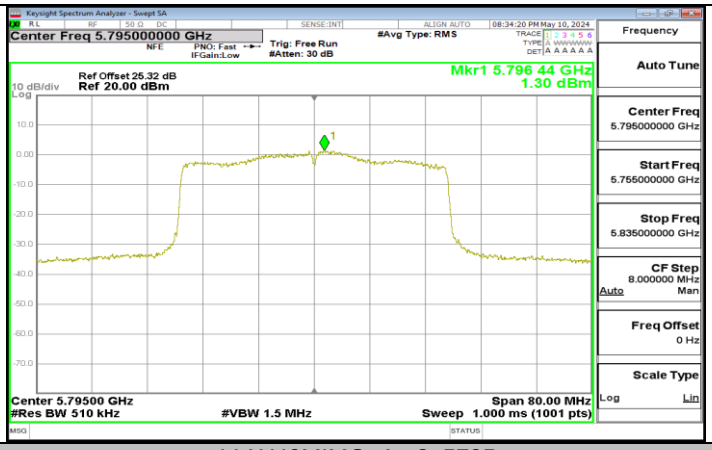

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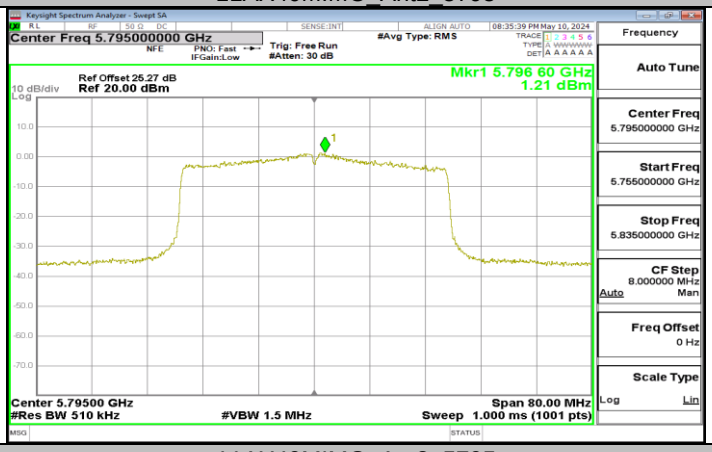

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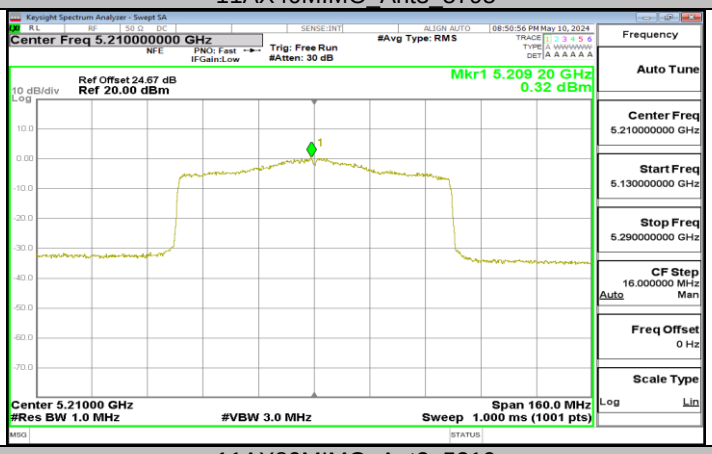

11AX80MIMO_Ant2_5210

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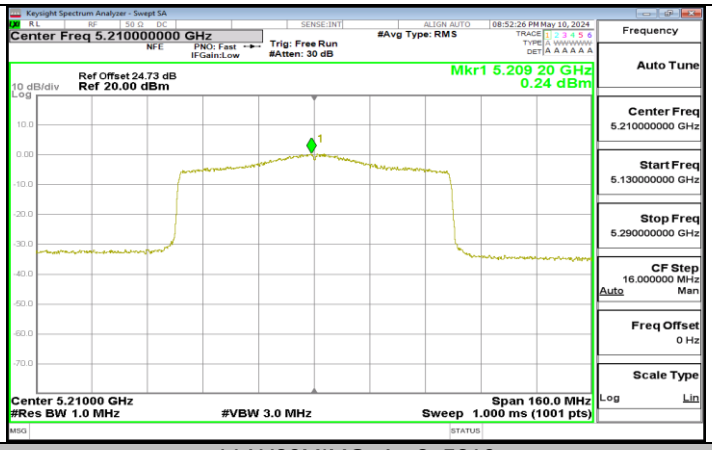

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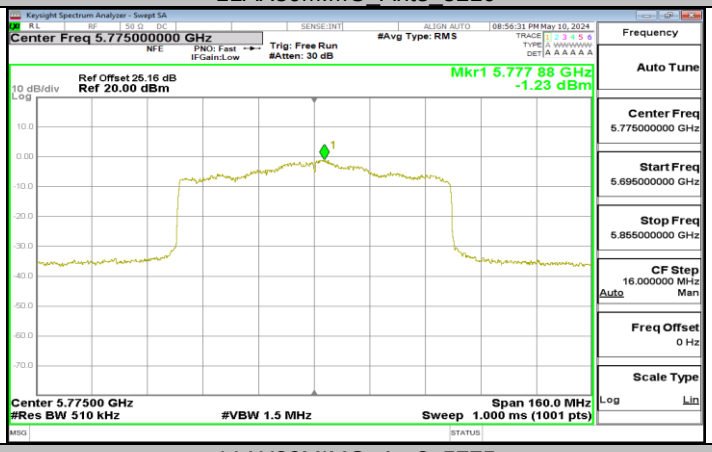

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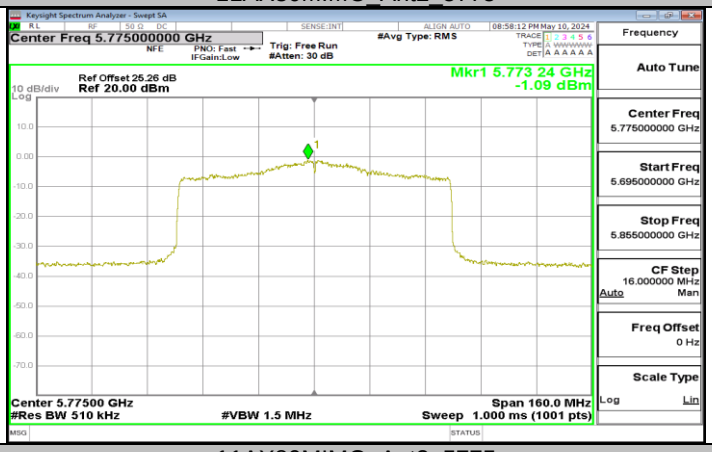

11AX80MIMO_Ant3_5775

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11.6. APPENDIX I: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9976	-0.45	5200.0034	0.66	5200.0186	3.58	5199.9832	-3.22
TN	VN	5199.9858	-2.73	5200.0053	1.02	5200.0000	0.00	5199.9782	-4.19
TN	VH	5200.0093	1.80	5199.9790	-4.05	5199.9798	-3.89	5199.9929	-1.36

Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5200.0010	0.19	5200.0199	3.83	5200.0189	3.63	5200.0150	2.88
30	VN	5200.0151	2.91	5200.0156	3.00	5200.0149	2.86	5199.9757	-4.67
20	VN	5199.9986	-0.27	5199.9958	-0.80	5199.9848	-2.92	5199.9891	-2.10
10	VN	5200.0142	2.73	5199.9775	-4.33	5200.0249	4.79	5200.0184	3.54
0	VN	5199.9864	-2.61	5200.0155	2.98	5199.9942	-1.12	5199.9761	-4.60
-10	VN	5199.9808	-3.70	5199.9771	-4.41	5199.9983	-0.33	5200.0147	2.82

Note:
1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

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11.7. APPENDIX J: DUTY CYCLE

11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	2.10	2.12	0.9906	99.06	0.04	N/A	0.01
11N20MIMO	5.33	5.35	0.9963	99.63	0.02	N/A	0.01
11N40MIMO	5.41	5.42	0.9982	99.82	0.01	N/A	0.01
11AC80MIMO	5.40	5.41	0.9982	99.82	0.01	N/A	0.01
11AX20MIMO	5.34	5.36	0.9963	99.63	0.02	N/A	0.01
11AX40MIMO	5.38	5.40	0.9963	99.63	0.02	N/A	0.01
11AX80MIMO	5.26	5.28	0.9962	99.62	0.02	N/A	0.01

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.
If the EUT is configured to transmit with duty cycle ⩾ 98%, set VBW ⩽ RBW/100 (i.e., 10 kHz) but not less than 10 Hz.

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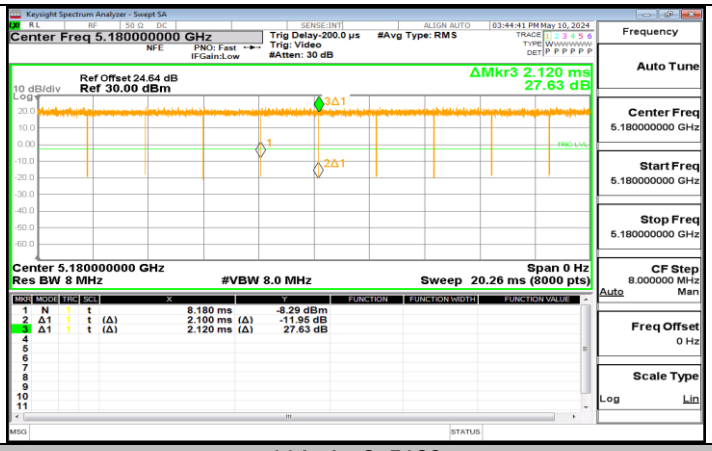
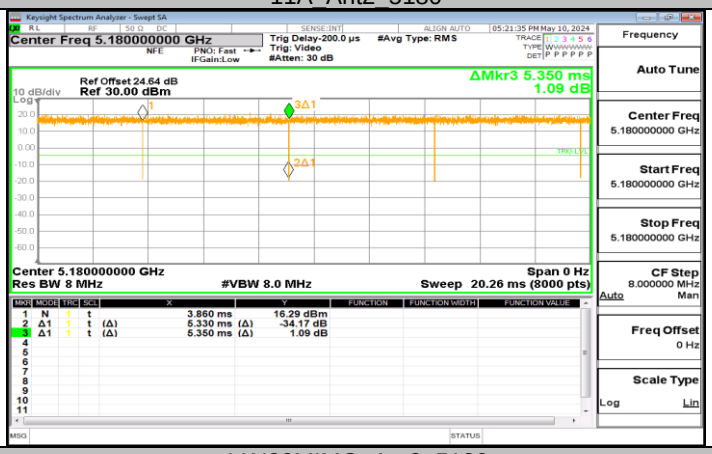
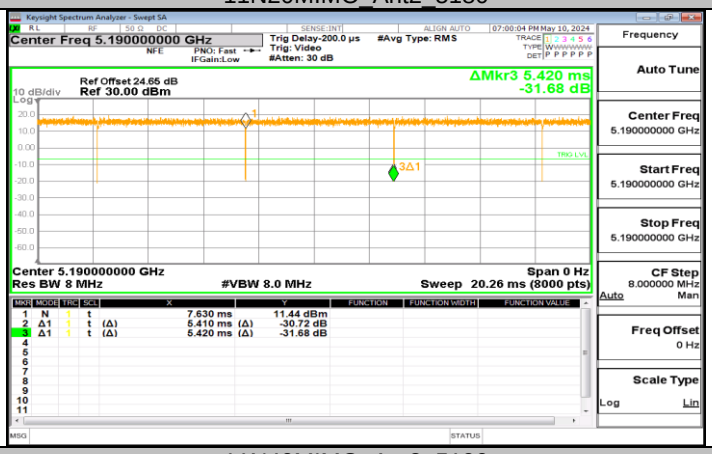
11.7.2. Test Graphs



11A_Ant2_5180



11N20MIMO_Ant2_5180



11N40MIMO_Ant2_5190

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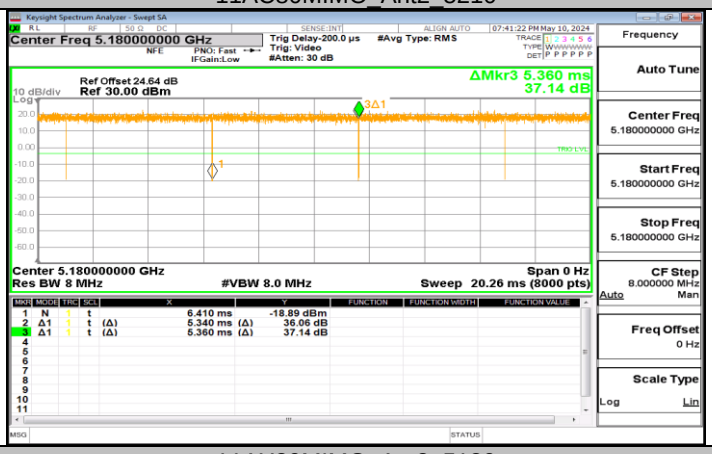

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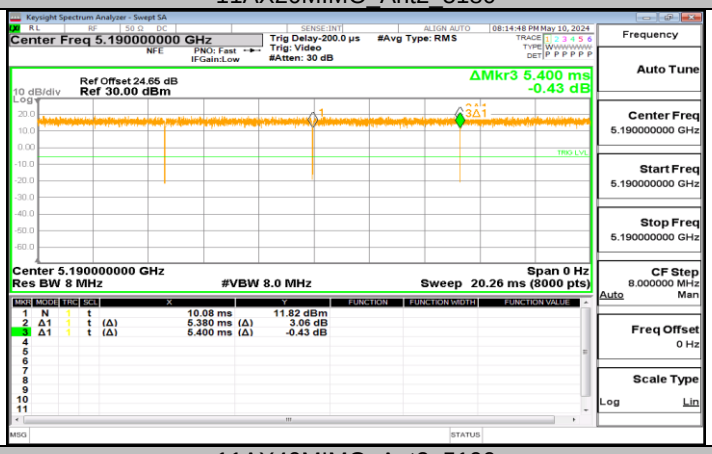

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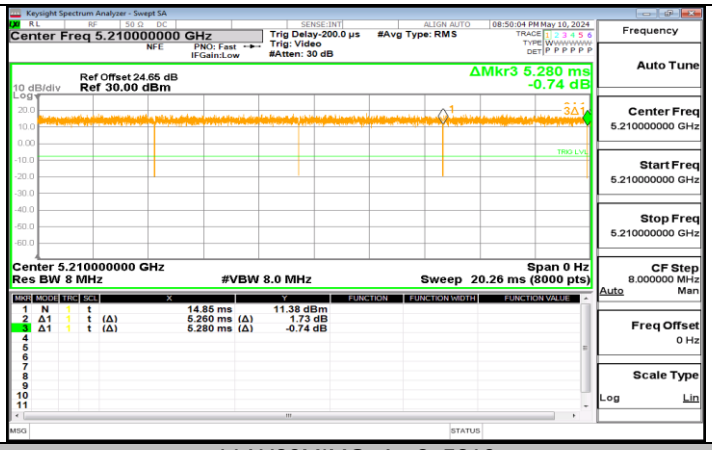

11AX80MIMO_Ant2_5210

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