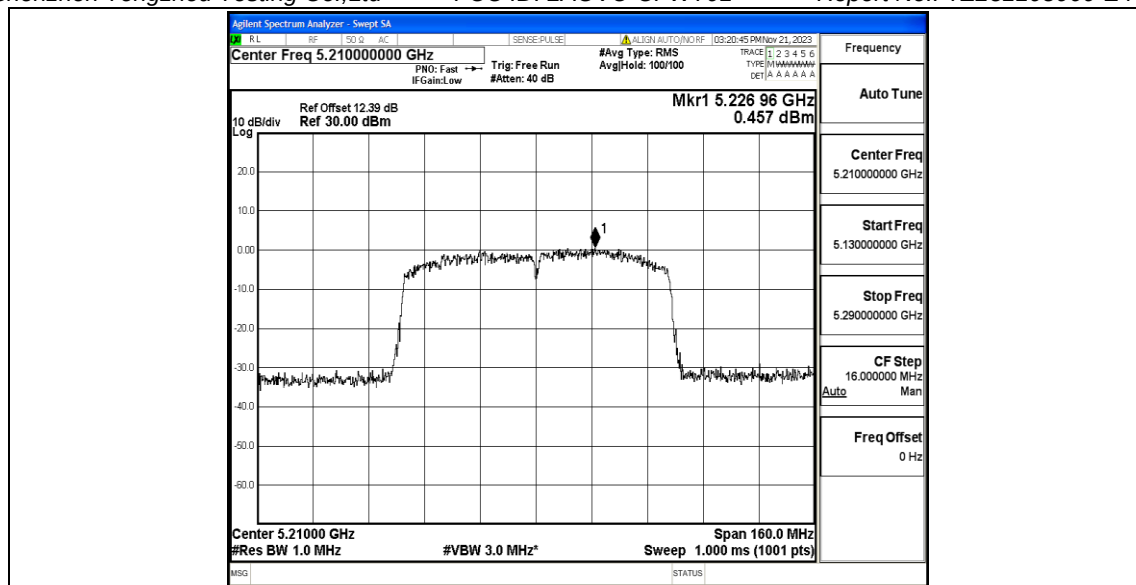




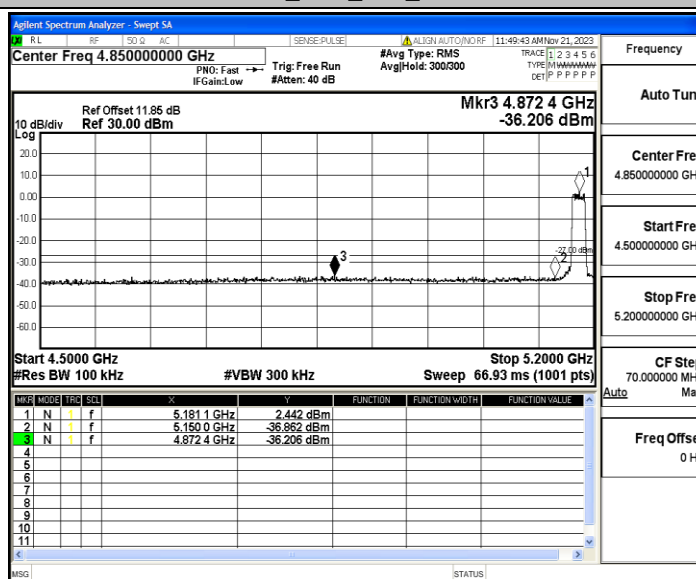
Appendix D: Band edge measurements

Test Result

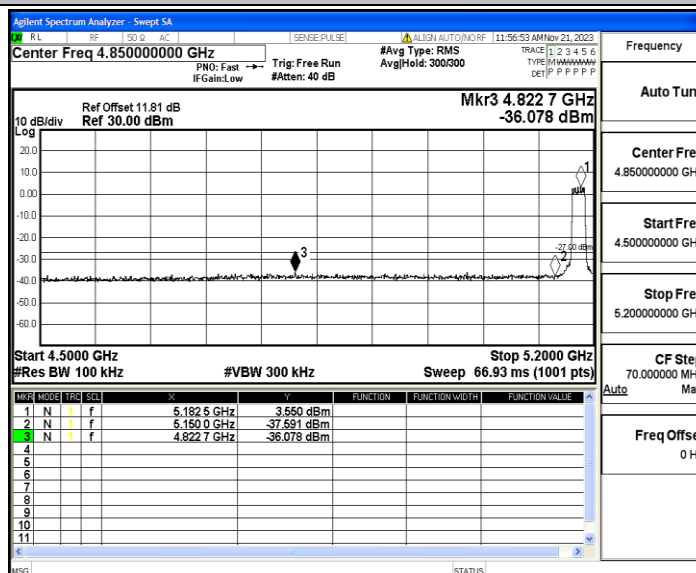
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.21	≤ -27	PASS
	Ant2	Low	5180	-36.08	≤ -27	PASS
	Ant1	High	5240	-35.66	≤ -27	PASS
	Ant2	High	5240	-36.35	≤ -27	PASS
11N20MIMO	Ant1	Low	5180	-36.17	≤ -27	PASS
	Ant2	Low	5180	-36.12	≤ -27	PASS
	Ant1	High	5240	-35.74	≤ -27	PASS
	Ant2	High	5240	-35.38	≤ -27	PASS
11N40MIMO	Ant1	Low	5190	-34.83	≤ -27	PASS
	Ant2	Low	5190	-36.1	≤ -27	PASS
	Ant1	High	5230	-36.34	≤ -27	PASS
	Ant2	High	5230	-35.74	≤ -27	PASS
11AC20MIMO	Ant1	Low	5180	-35.17	≤ -27	PASS
	Ant2	Low	5180	-36.29	≤ -27	PASS
	Ant1	High	5240	-35.91	≤ -27	PASS
	Ant2	High	5240	-35.84	≤ -27	PASS
11AC40MIMO	Ant1	Low	5190	-36.22	≤ -27	PASS
	Ant2	Low	5190	-36.48	≤ -27	PASS
	Ant1	High	5230	-36.65	≤ -27	PASS
	Ant2	High	5230	-35.36	≤ -27	PASS
11AC80MIMO	Ant1	Low	5210	-36.47	≤ -27	PASS
	Ant2	Low	5210	-36.46	≤ -27	PASS
	Ant1	High	5210	-36.67	≤ -27	PASS
	Ant2	High	5210	-36.77	≤ -27	PASS

Test Graphs

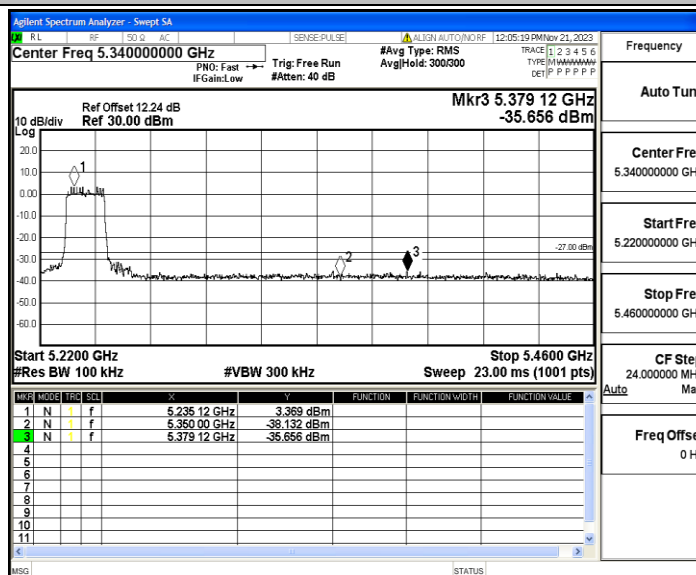
11A_Ant1_Low_5180



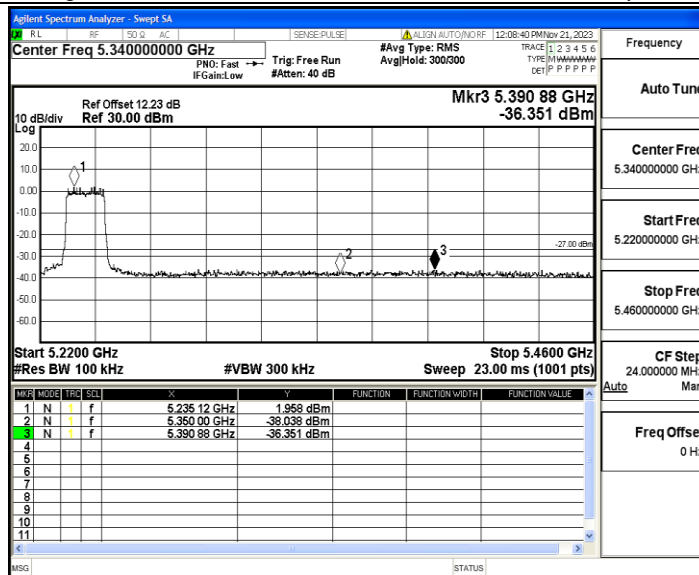
11A_Ant2_Low_5180



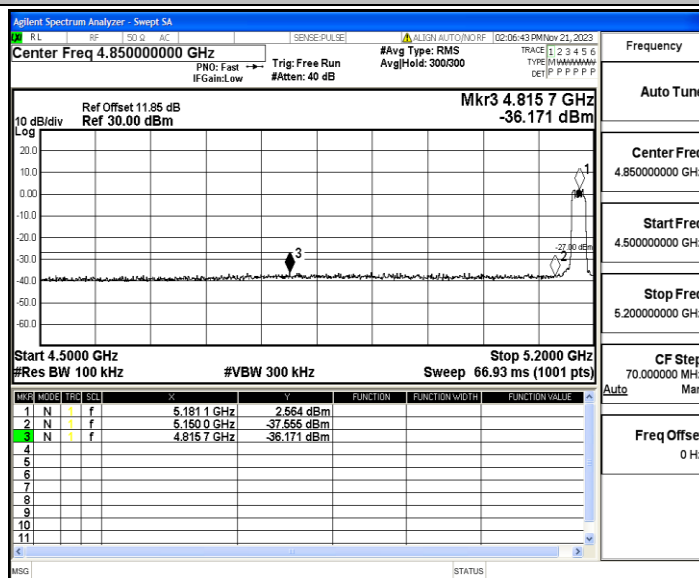
11A_Ant1_High_5240



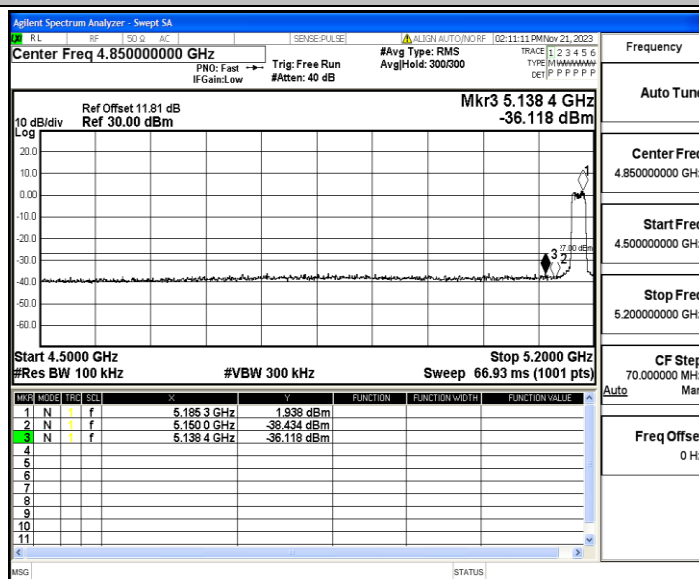
11A_Ant2_High_5240



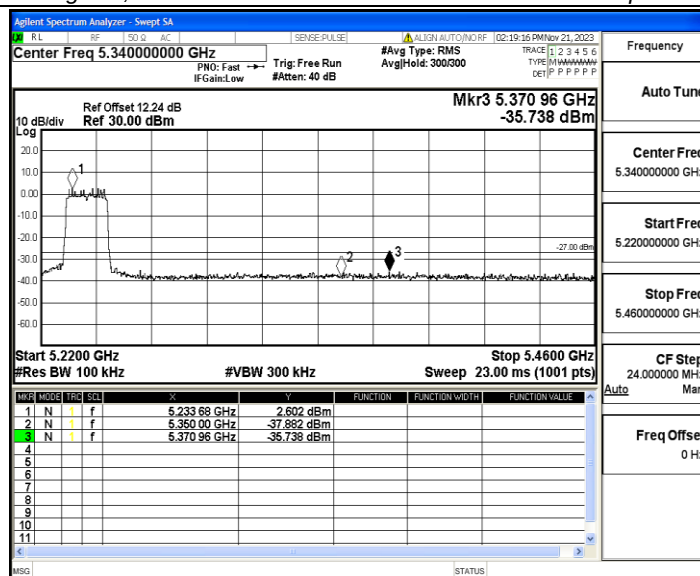
11N20MIMO_Ant1_Low_5180



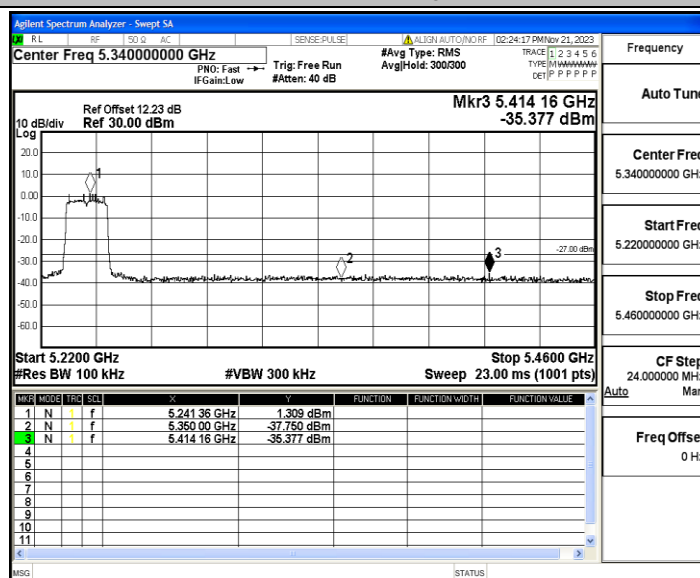
11N20MIMO_Ant2_Low_5180



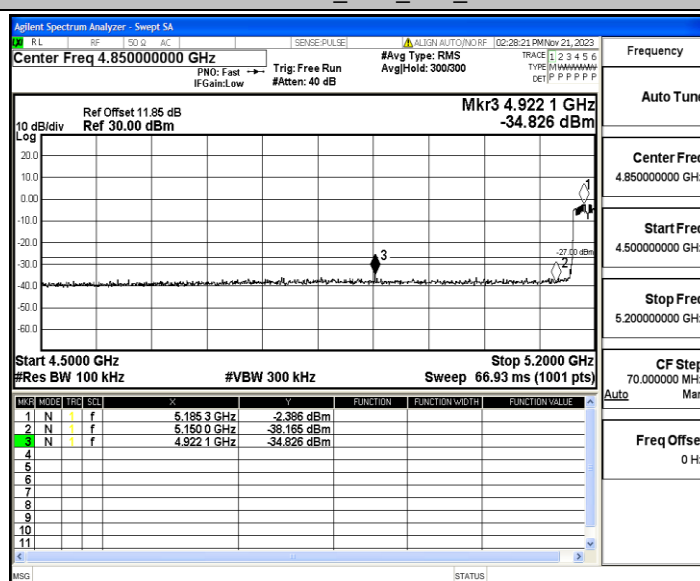
11N20MIMO_Ant1_High_5240



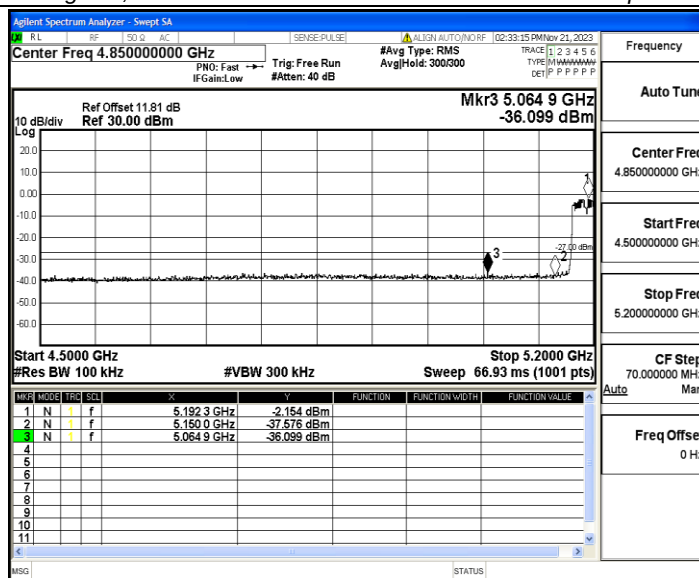
11N20MIMO_Ant2_High_5240



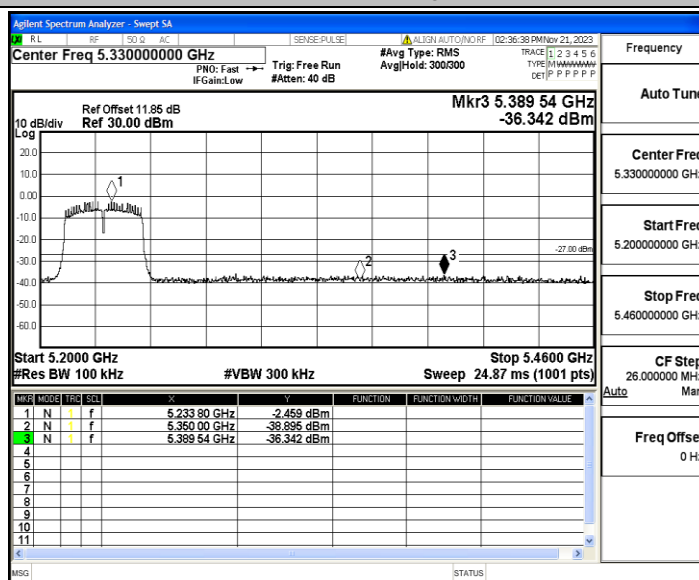
11N40MIMO_Ant1_Low_5190



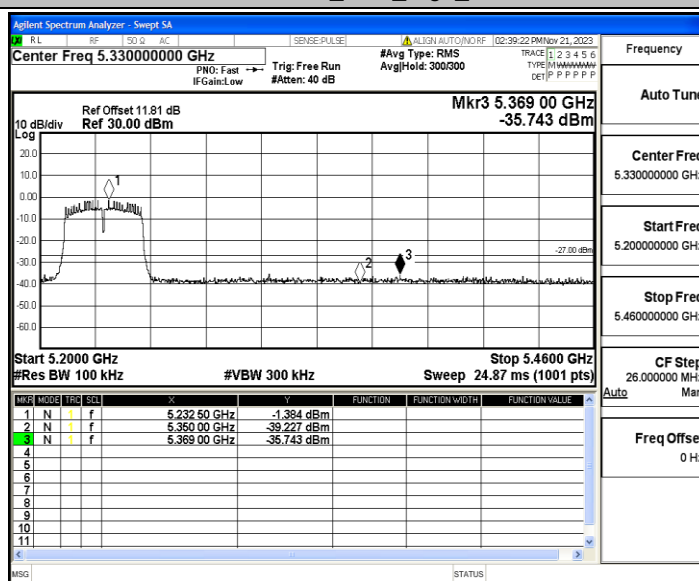
11N40MIMO_Ant2_Low_5190



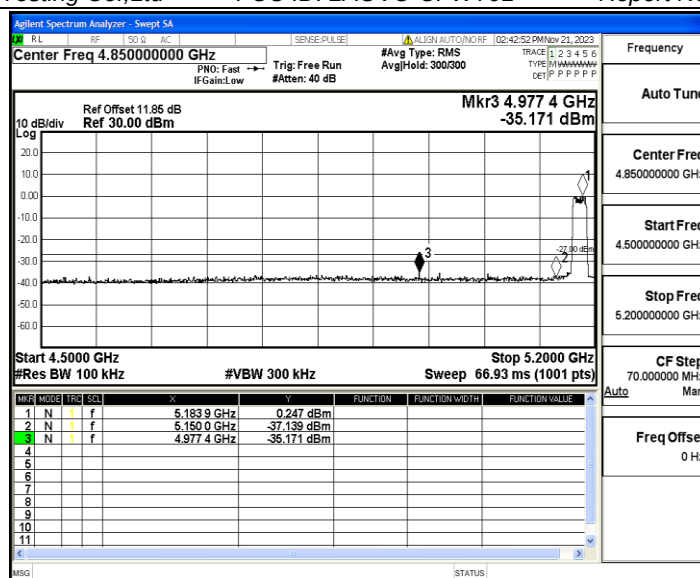
11N40MIMO_Ant1_High_5230



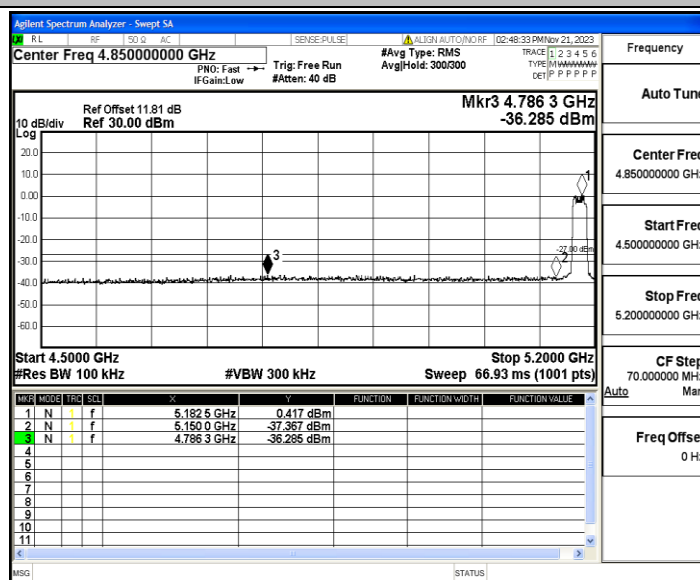
11N40MIMO_Ant2_High_5230



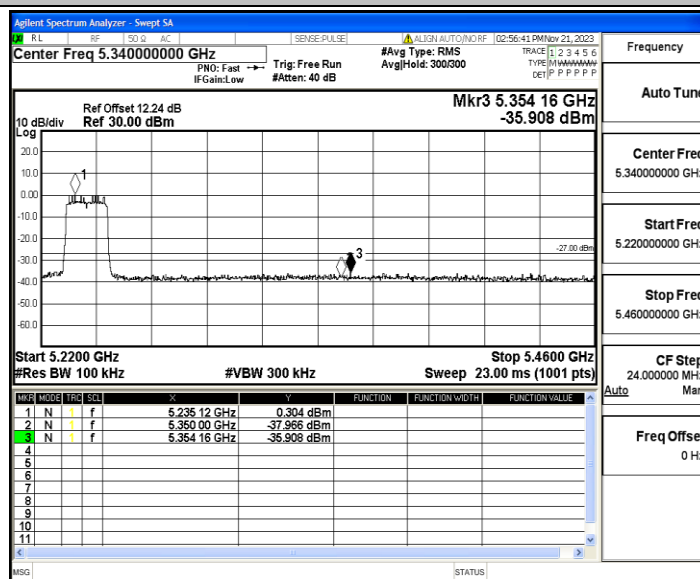
11AC20MIMO_Ant1_Low_5180



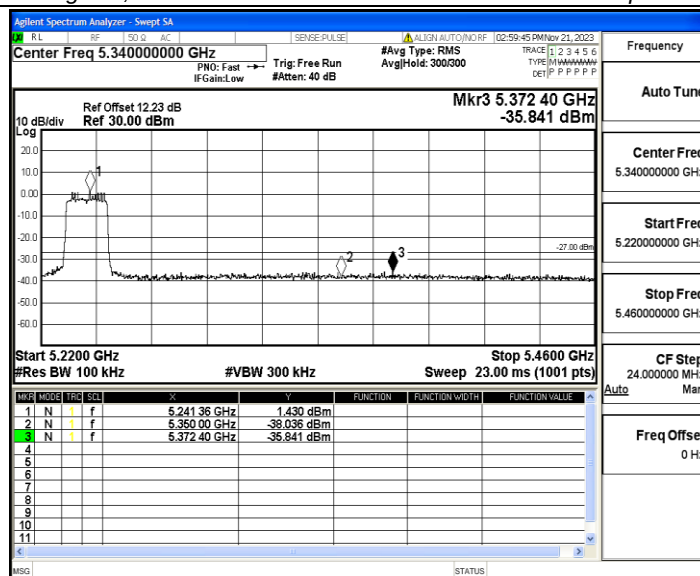
11AC20MIMO_Ant2_Low_5180



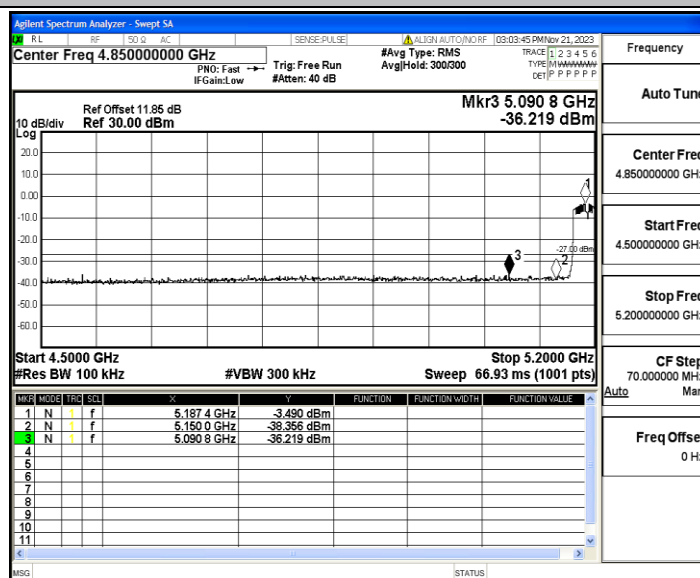
11AC20MIMO_Ant1_High_5240



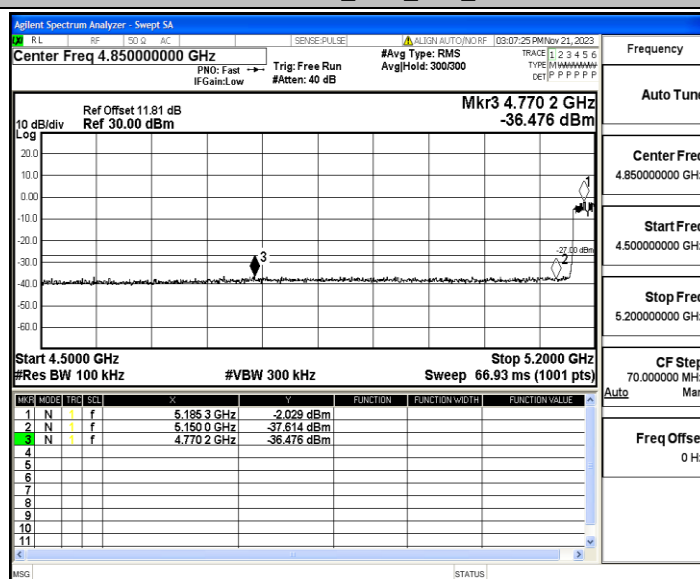
11AC20MIMO_Ant2_High_5240



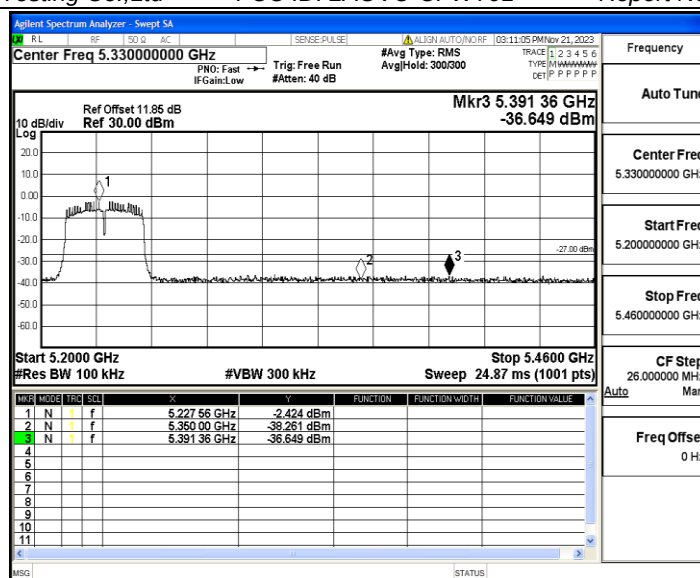
11AC40MIMO_Ant1_Low_5190



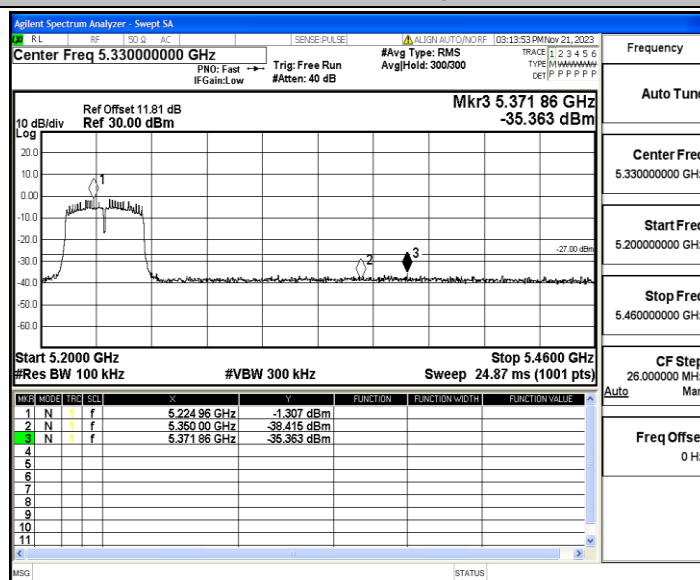
11AC40MIMO_Ant2_Low_5190



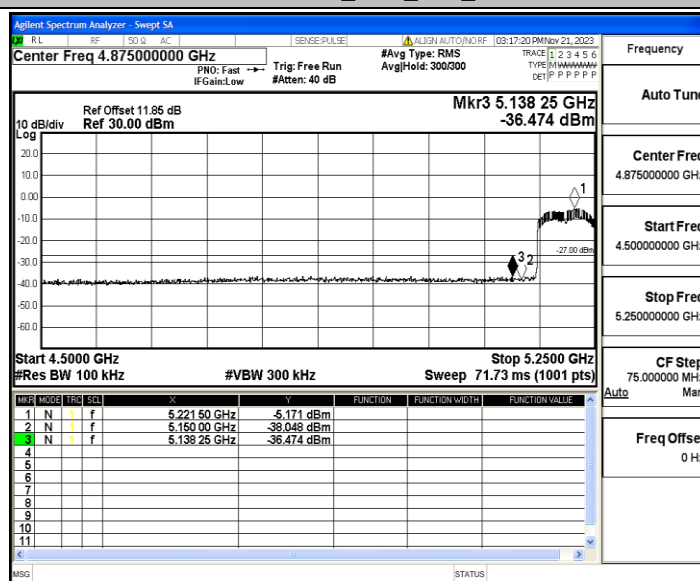
11AC40MIMO_Ant1_High_5230



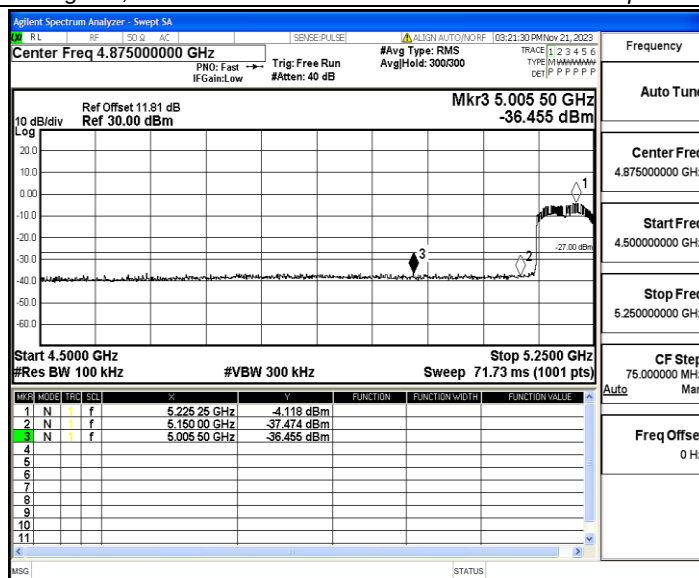
11AC40MIMO_Ant2_High_5230



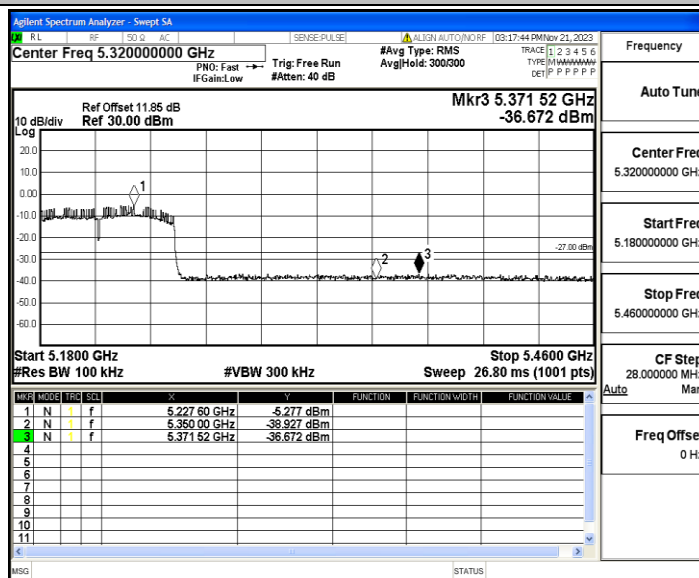
11AC80MIMO_Ant1_Low_5210



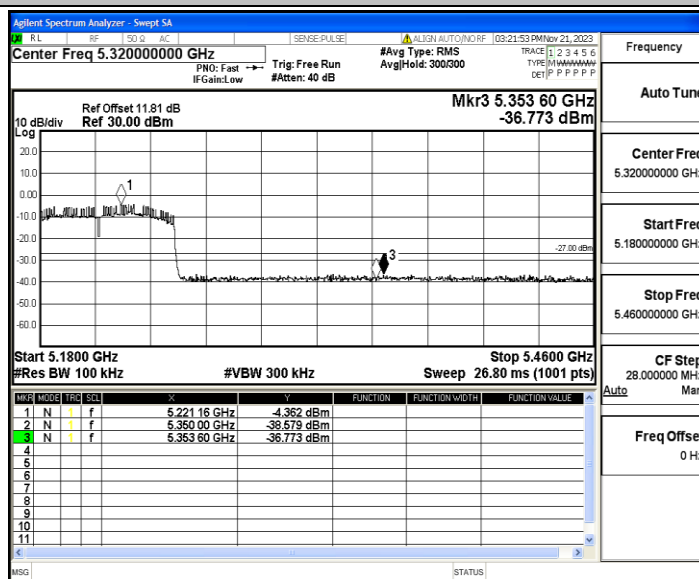
11AC80MIMO_Ant2_Low_5210



11AC80MIMO_Ant1_High_5210



11AC80MIMO_Ant2_High_5210



Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5179.924299	5150 – 5250	PASS
5180	20	108	5179.982548	5150 – 5250	PASS
5180	50	120	5180.019354	5150 – 5250	PASS
5180	40	120	5179.964900	5150 – 5250	PASS
5180	30	120	5180.034977	5150 – 5250	PASS
5180	20	120	5179.992489	5150 – 5250	PASS
5180	10	120	5180.030480	5150 – 5250	PASS
5180	0	120	5180.098755	5150 – 5250	PASS
5180	-10	120	5179.995907	5150 – 5250	PASS
5180	-20	120	5179.913852	5150 – 5250	PASS
5180	-30	120	5179.914576	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5180.086314	5150 – 5250	PASS
5180	20	108	5179.944409	5150 – 5250	PASS
5180	50	120	5179.975074	5150 – 5250	PASS
5180	40	120	5179.920540	5150 – 5250	PASS
5180	30	120	5180.071307	5150 – 5250	PASS
5180	20	120	5179.984006	5150 – 5250	PASS
5180	10	120	5180.035764	5150 – 5250	PASS
5180	0	120	5179.957774	5150 – 5250	PASS
5180	-10	120	5180.077132	5150 – 5250	PASS
5180	-20	120	5179.924047	5150 – 5250	PASS
5180	-30	120	5180.028255	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.037410	5150 – 5250	PASS
5200	20	108	5199.921362	5150 – 5250	PASS
5200	50	120	5199.988265	5150 – 5250	PASS
5200	40	120	5200.043078	5150 – 5250	PASS
5200	30	120	5199.983492	5150 – 5250	PASS
5200	20	120	5199.973437	5150 – 5250	PASS
5200	10	120	5200.031219	5150 – 5250	PASS
5200	0	120	5199.953804	5150 – 5250	PASS
5200	-10	120	5200.009435	5150 – 5250	PASS
5200	-20	120	5200.084474	5150 – 5250	PASS
5200	-30	120	5199.929419	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.011359	5150 – 5250	PASS
5200	20	108	5199.994067	5150 – 5250	PASS
5200	50	120	5200.009721	5150 – 5250	PASS
5200	40	120	5199.931733	5150 – 5250	PASS
5200	30	120	5200.087318	5150 – 5250	PASS
5200	20	120	5199.905821	5150 – 5250	PASS
5200	10	120	5200.079576	5150 – 5250	PASS
5200	0	120	5199.962670	5150 – 5250	PASS
5200	-10	120	5200.001140	5150 – 5250	PASS
5200	-20	120	5200.018967	5150 – 5250	PASS
5200	-30	120	5200.024042	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5240.094296	5150 – 5250	PASS
5240	20	108	5240.051065	5150 – 5250	PASS
5240	50	120	5240.057313	5150 – 5250	PASS
5240	40	120	5239.940184	5150 – 5250	PASS
5240	30	120	5240.048844	5150 – 5250	PASS
5240	20	120	5240.093317	5150 – 5250	PASS
5240	10	120	5240.085935	5150 – 5250	PASS
5240	0	120	5240.050463	5150 – 5250	PASS
5240	-10	120	5240.050126	5150 – 5250	PASS
5240	-20	120	5240.040780	5150 – 5250	PASS
5240	-30	120	5239.987123	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5240.074265	5150 – 5250	PASS
5240	20	108	5239.979894	5150 – 5250	PASS
5240	50	120	5239.984729	5150 – 5250	PASS
5240	40	120	5240.075589	5150 – 5250	PASS
5240	30	120	5240.061894	5150 – 5250	PASS
5240	20	120	5239.957170	5150 – 5250	PASS
5240	10	120	5240.099902	5150 – 5250	PASS
5240	0	120	5239.963454	5150 – 5250	PASS
5240	-10	120	5240.037738	5150 – 5250	PASS
5240	-20	120	5240.022281	5150 – 5250	PASS
5240	-30	120	5239.930261	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.004351	5150 – 5250	PASS
5190	20	108	5190.066762	5150 – 5250	PASS
5190	50	120	5190.000369	5150 – 5250	PASS
5190	40	120	5189.964860	5150 – 5250	PASS
5190	30	120	5189.945484	5150 – 5250	PASS
5190	20	120	5189.907315	5150 – 5250	PASS
5190	10	120	5190.055058	5150 – 5250	PASS
5190	0	120	5189.990626	5150 – 5250	PASS
5190	-10	120	5189.938502	5150 – 5250	PASS
5190	-20	120	5190.058373	5150 – 5250	PASS
5190	-30	120	5190.029502	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.063025	5150 – 5250	PASS
5190	20	108	5190.093219	5150 – 5250	PASS
5190	50	120	5190.038374	5150 – 5250	PASS
5190	40	120	5189.965725	5150 – 5250	PASS
5190	30	120	5190.042854	5150 – 5250	PASS
5190	20	120	5189.995587	5150 – 5250	PASS
5190	10	120	5189.948893	5150 – 5250	PASS
5190	0	120	5189.933870	5150 – 5250	PASS
5190	-10	120	5190.054839	5150 – 5250	PASS
5190	-20	120	5190.077346	5150 – 5250	PASS
5190	-30	120	5189.976326	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.969867	5150 – 5250	PASS
5230	20	108	5229.905835	5150 – 5250	PASS
5230	50	120	5230.084651	5150 – 5250	PASS
5230	40	120	5229.967360	5150 – 5250	PASS
5230	30	120	5229.901328	5150 – 5250	PASS
5230	20	120	5230.022260	5150 – 5250	PASS
5230	10	120	5229.923056	5150 – 5250	PASS
5230	0	120	5229.961745	5150 – 5250	PASS
5230	-10	120	5230.095439	5150 – 5250	PASS
5230	-20	120	5229.975261	5150 – 5250	PASS
5230	-30	120	5230.042860	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5230.021469	5150 – 5250	PASS
5230	20	108	5229.933028	5150 – 5250	PASS
5230	50	120	5229.967957	5150 – 5250	PASS
5230	40	120	5229.930762	5150 – 5250	PASS
5230	30	120	5229.942018	5150 – 5250	PASS
5230	20	120	5230.084848	5150 – 5250	PASS
5230	10	120	5230.054070	5150 – 5250	PASS
5230	0	120	5229.916764	5150 – 5250	PASS
5230	-10	120	5229.994772	5150 – 5250	PASS
5230	-20	120	5229.952010	5150 – 5250	PASS
5230	-30	120	5230.065192	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.076636	5150 – 5250	PASS
5210	20	108	5210.073624	5150 – 5250	PASS
5210	50	120	5210.023294	5150 – 5250	PASS
5210	40	120	5209.986797	5150 – 5250	PASS
5210	30	120	5209.940169	5150 – 5250	PASS
5210	20	120	5209.917937	5150 – 5250	PASS
5210	10	120	5210.059342	5150 – 5250	PASS
5210	0	120	5209.960718	5150 – 5250	PASS
5210	-10	120	5210.032894	5150 – 5250	PASS
5210	-20	120	5210.083755	5150 – 5250	PASS
5210	-30	120	5209.973020	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5209.968293	5150 – 5250	PASS
5210	20	108	5210.089345	5150 – 5250	PASS
5210	50	120	5210.011047	5150 – 5250	PASS
5210	40	120	5209.980760	5150 – 5250	PASS
5210	30	120	5210.049756	5150 – 5250	PASS
5210	20	120	5209.994919	5150 – 5250	PASS
5210	10	120	5210.012373	5150 – 5250	PASS
5210	0	120	5209.929671	5150 – 5250	PASS
5210	-10	120	5210.047751	5150 – 5250	PASS
5210	-20	120	5210.070791	5150 – 5250	PASS
5210	-30	120	5210.085902	5150 – 5250	PASS

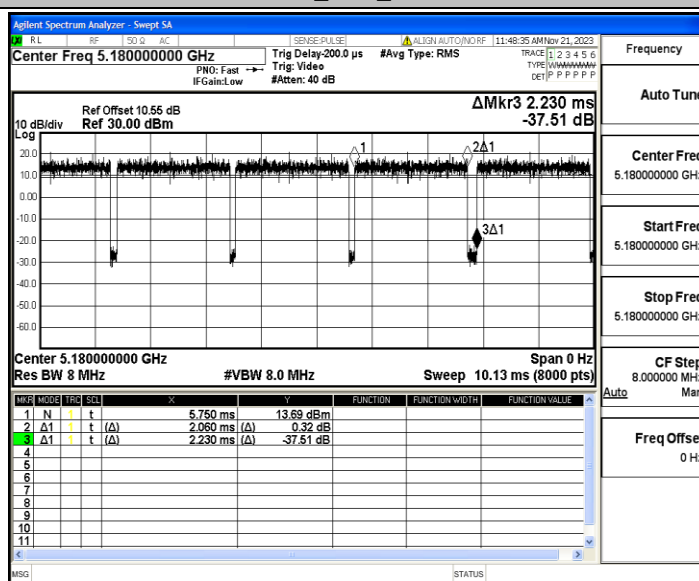
Appendix F: Duty Cycle

Test Result

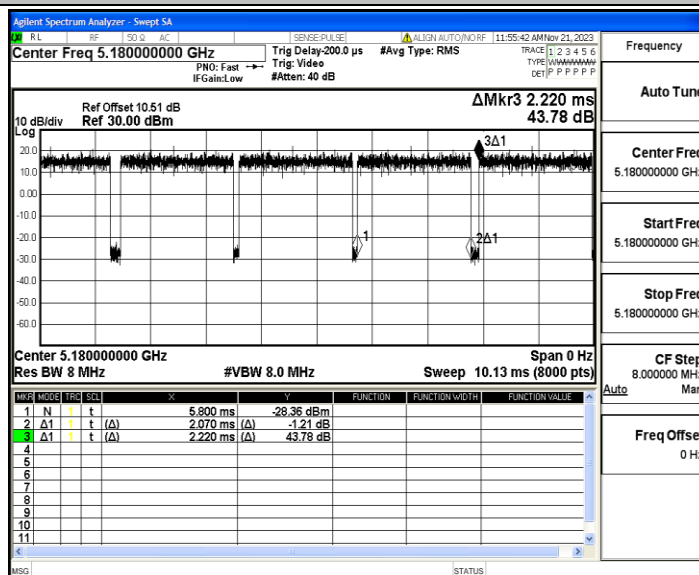
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5180	2.06	2.23	92.38	0.49
	Ant2	5180	2.07	2.22	93.24	0.48
	Ant1	5200	2.06	2.24	91.96	0.49
	Ant2	5200	2.06	2.28	90.35	0.49
	Ant1	5240	2.07	2.30	90.00	0.48
	Ant2	5240	2.06	2.22	92.79	0.49
11N20MIMO	Ant1	5180	1.92	2.11	91.00	0.52
	Ant2	5180	1.92	2.14	89.72	0.52
	Ant1	5200	1.92	2.14	89.72	0.52
	Ant2	5200	1.92	2.13	90.14	0.52
	Ant1	5240	1.93	2.15	89.77	0.52
	Ant2	5240	1.92	2.15	89.30	0.52
11N40MIMO	Ant1	5190	0.94	1.16	81.03	1.06
	Ant2	5190	0.94	1.17	80.34	1.06
	Ant1	5230	0.95	1.18	80.51	1.05
	Ant2	5230	0.94	1.17	80.34	1.06
11AC20MIMO	Ant1	5180	1.93	2.18	88.53	0.52
	Ant2	5180	1.93	2.13	90.61	0.52
	Ant1	5200	1.94	2.14	90.65	0.52
	Ant2	5200	1.93	2.18	88.53	0.52
	Ant1	5240	1.93	2.17	88.94	0.52
	Ant2	5240	1.93	2.12	91.04	0.52
11AC40MIMO	Ant1	5190	0.96	1.20	80.00	1.04
	Ant2	5190	0.95	1.19	79.83	1.05
	Ant1	5230	0.96	1.19	80.67	1.04
	Ant2	5230	0.95	1.20	79.17	1.05
11AC80MIMO	Ant1	5210	0.46	0.71	64.79	2.17
	Ant2	5210	0.46	0.71	64.79	2.17

Test Graphs

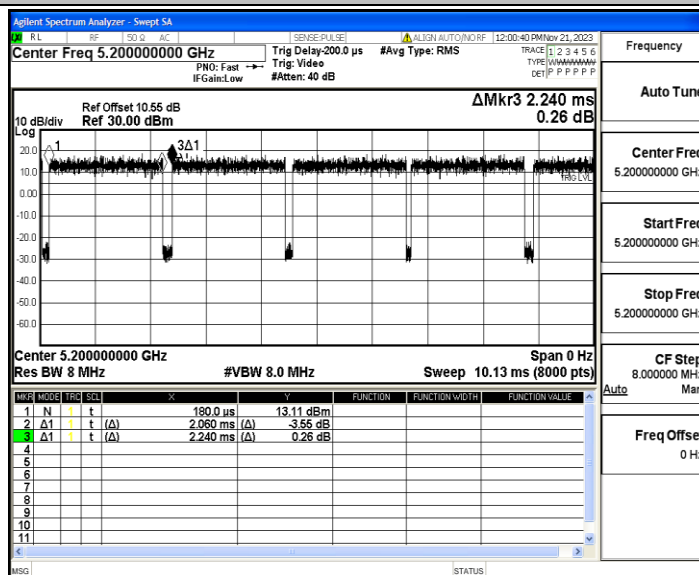
11A_Ant1_5180



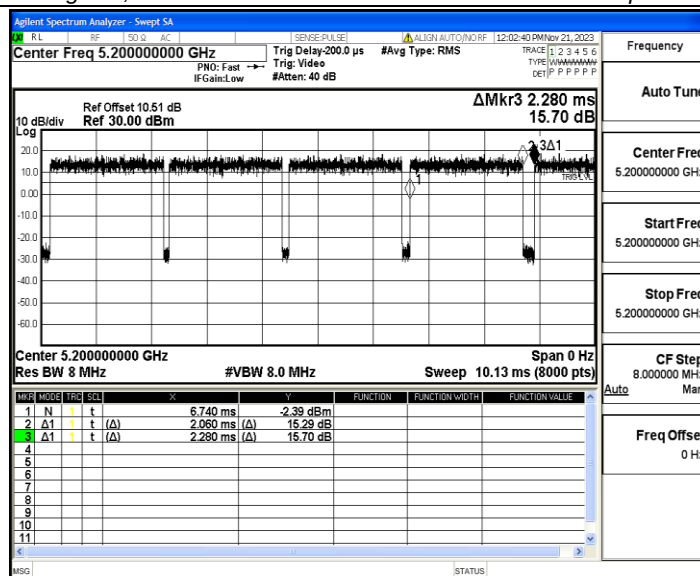
11A_Ant2_5180



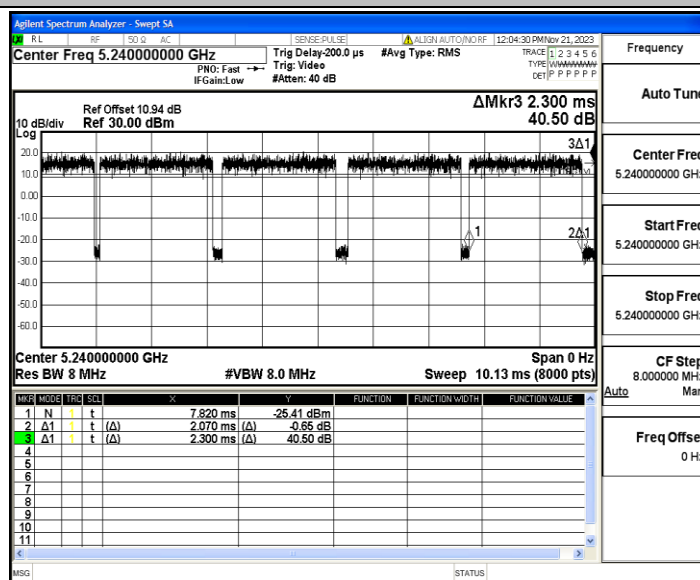
11A_Ant1_5200



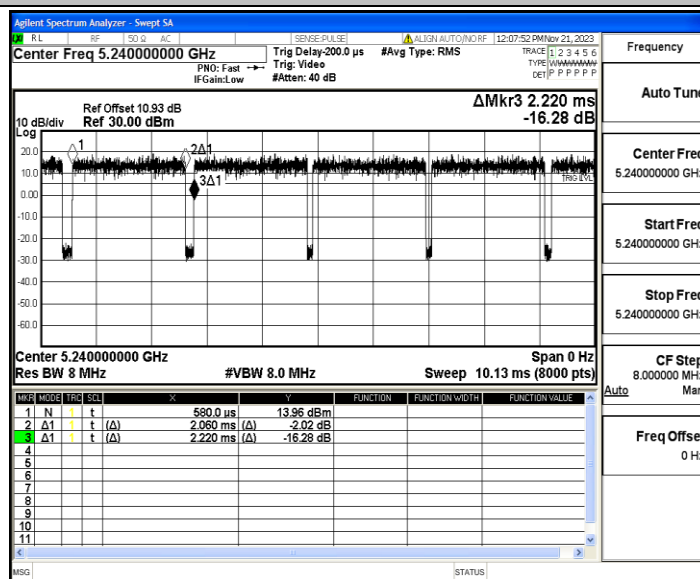
11A_Ant2_5200



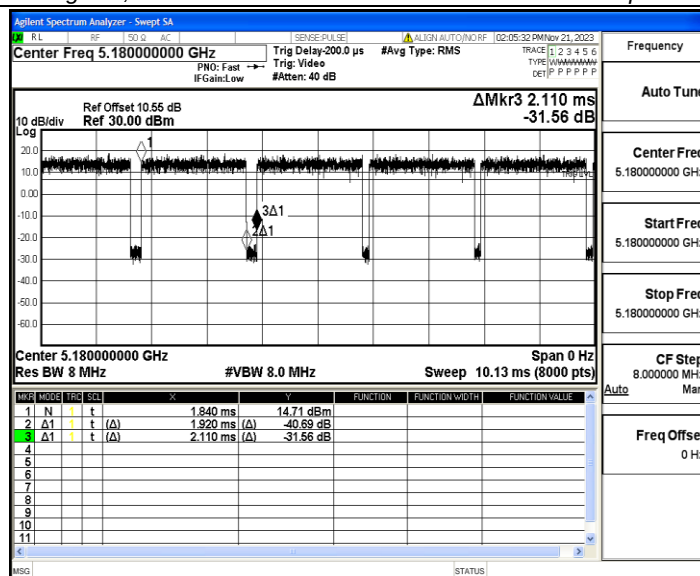
11A_Ant1_5240



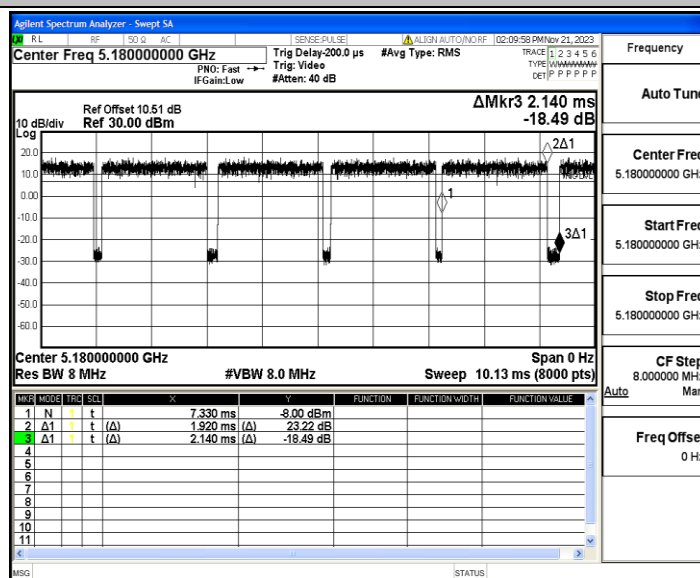
11A_Ant2_5240



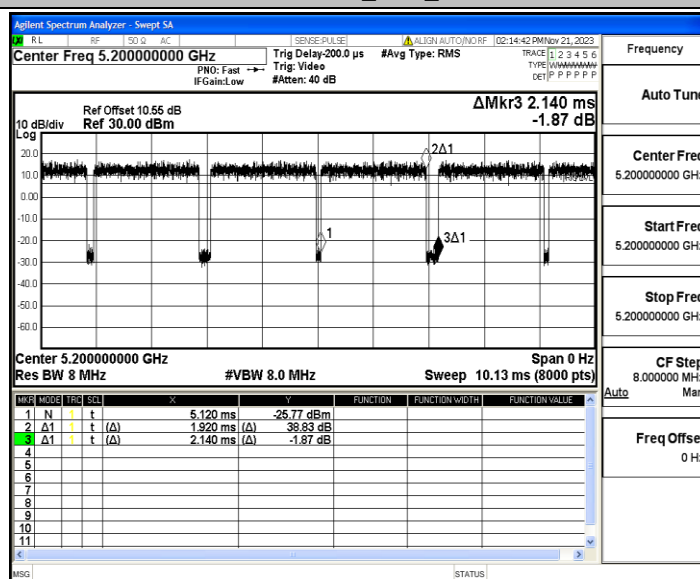
11N20MIMO_Ant1_5180



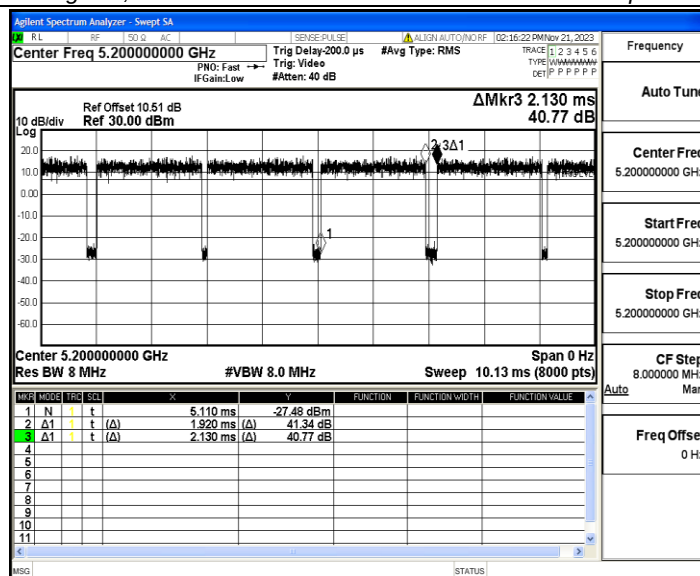
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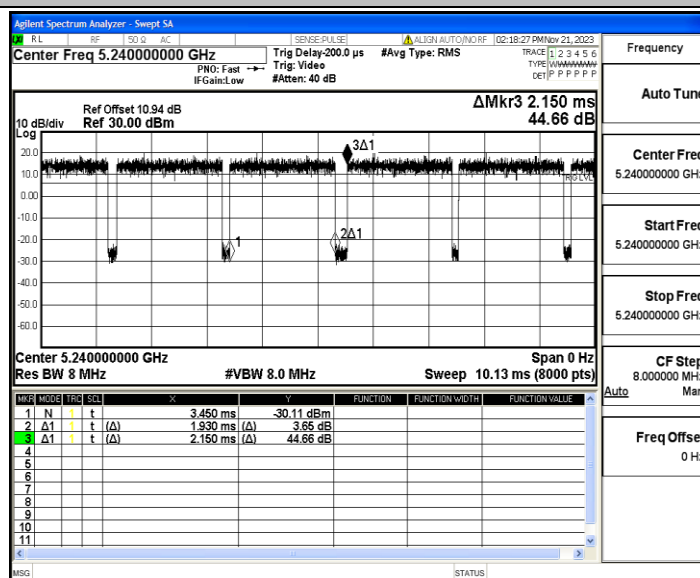
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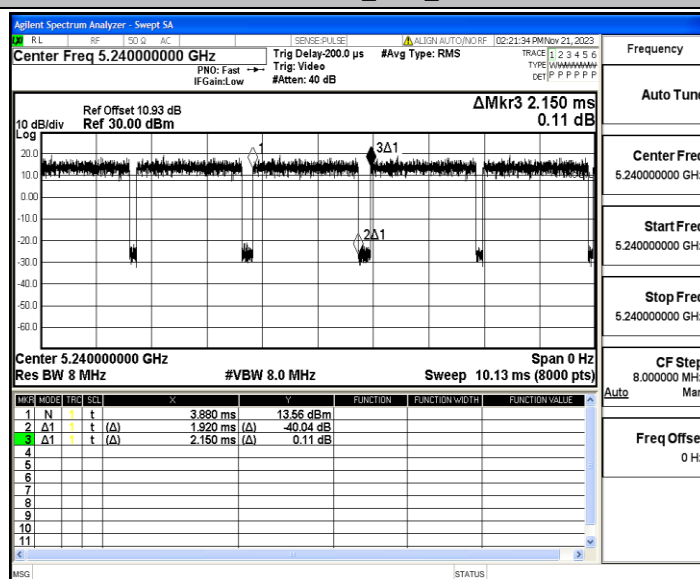
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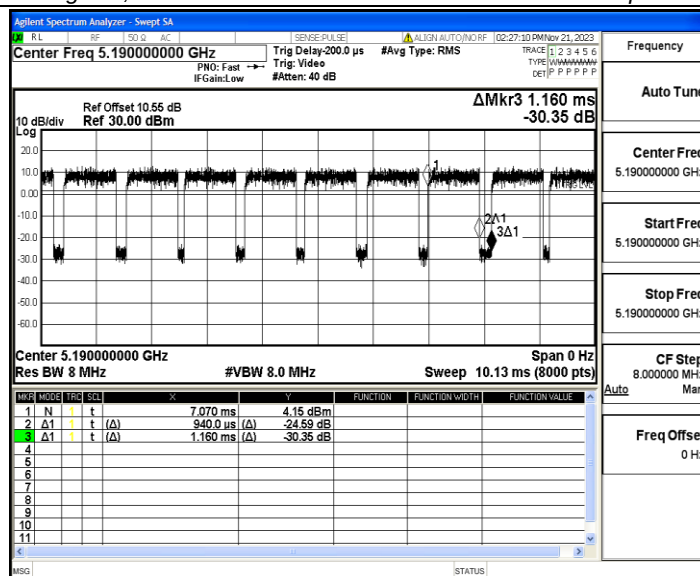
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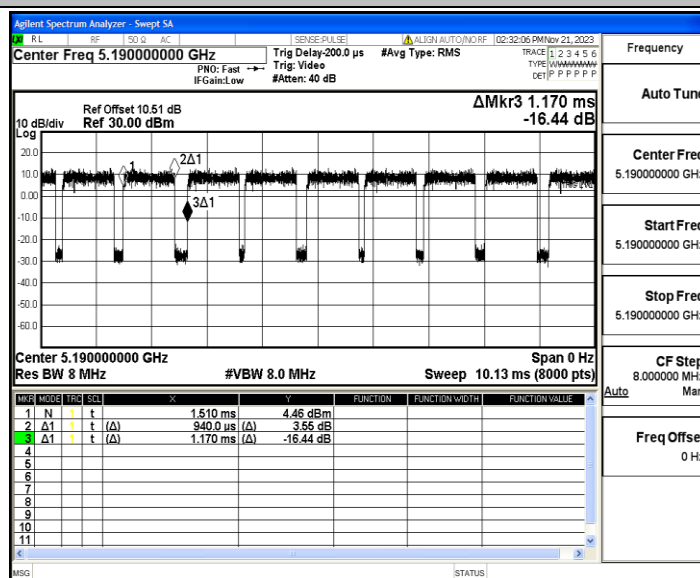
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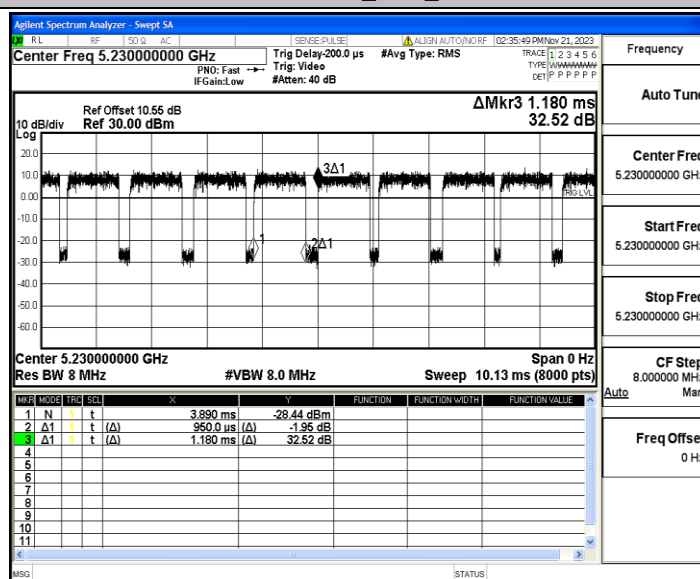
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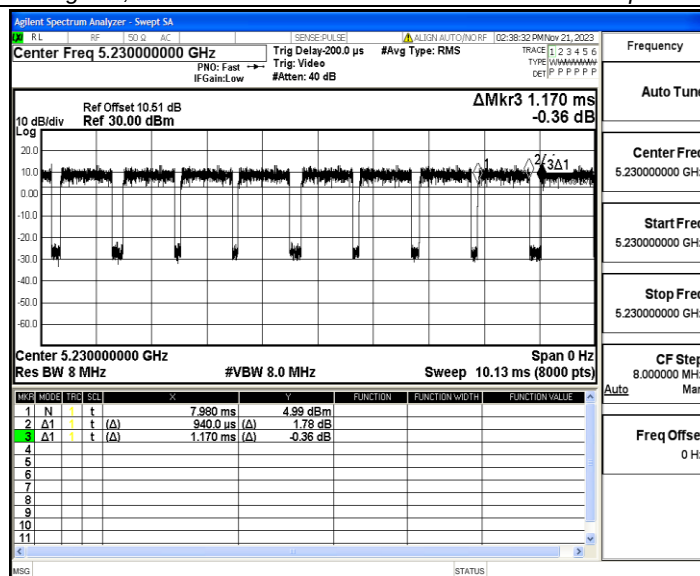
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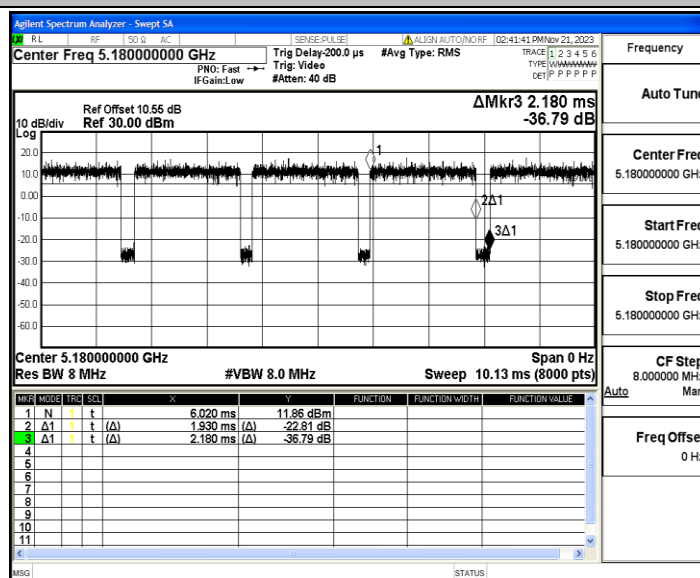
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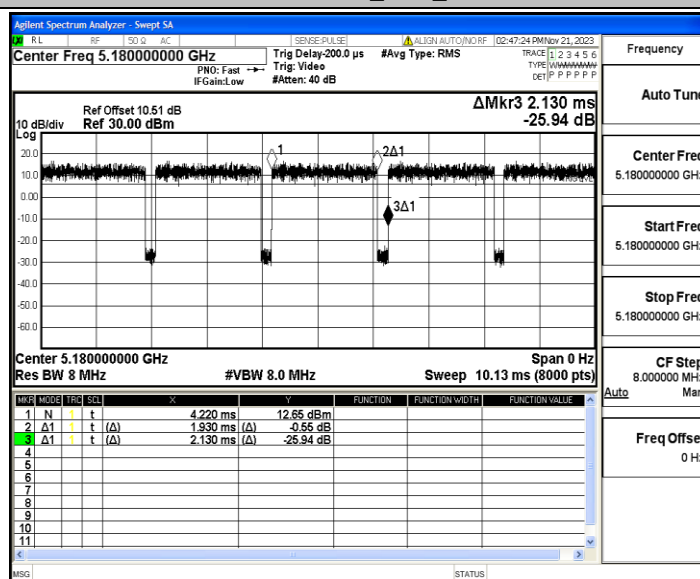
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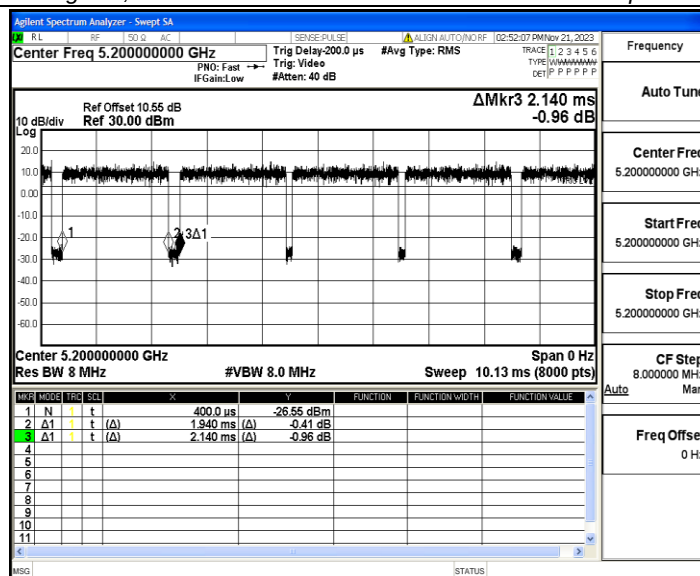
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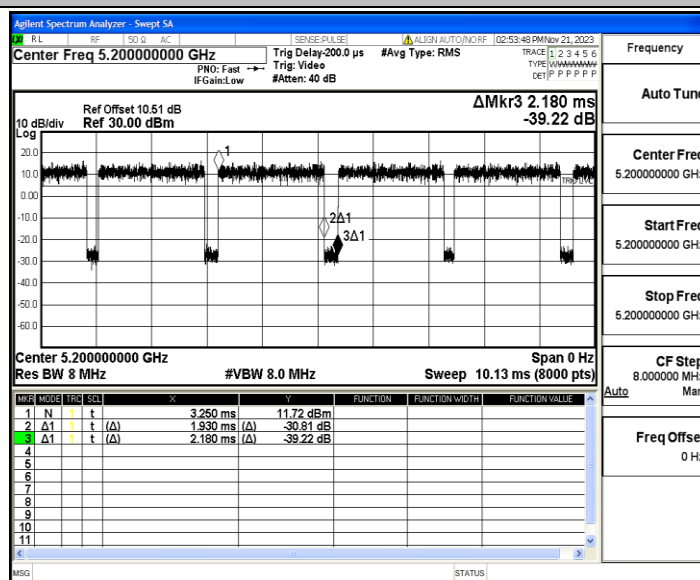
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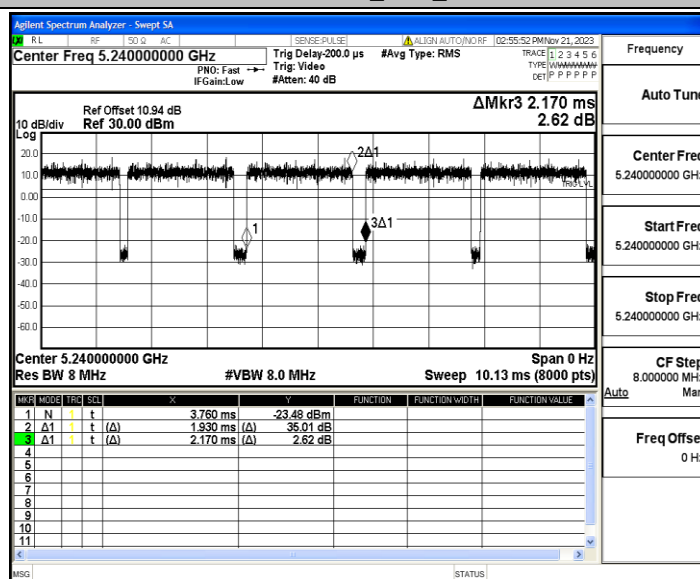
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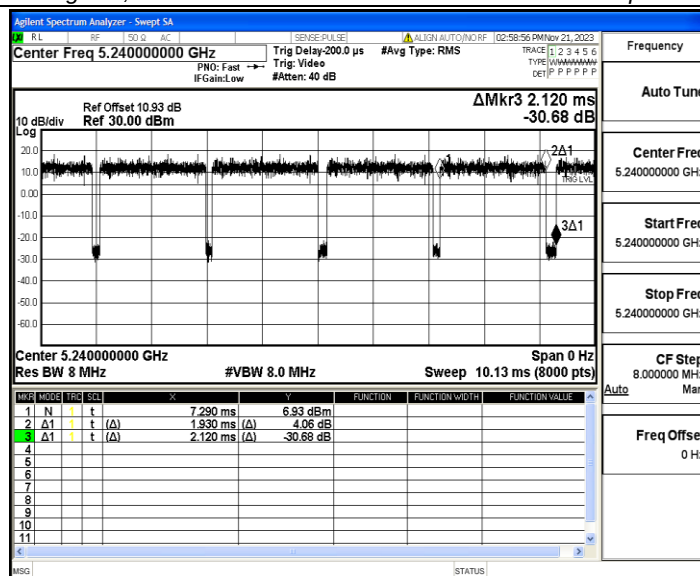
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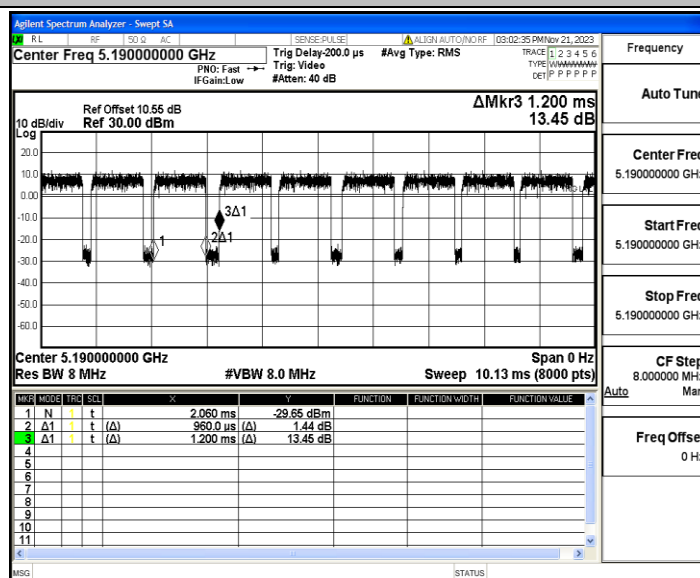
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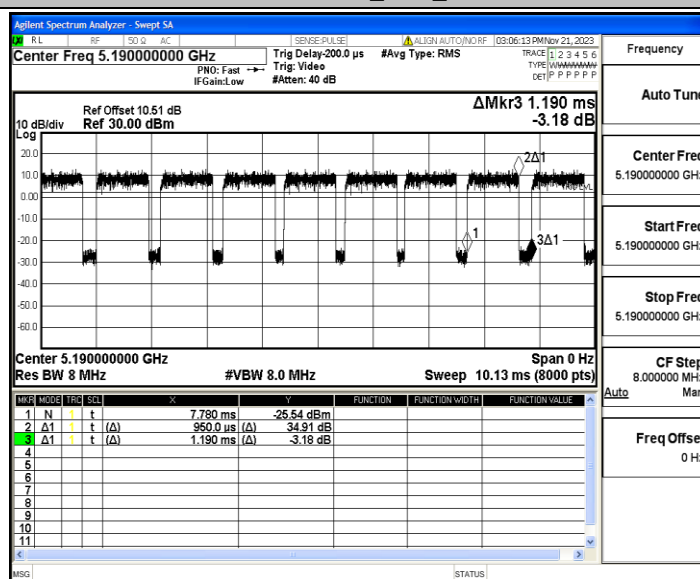
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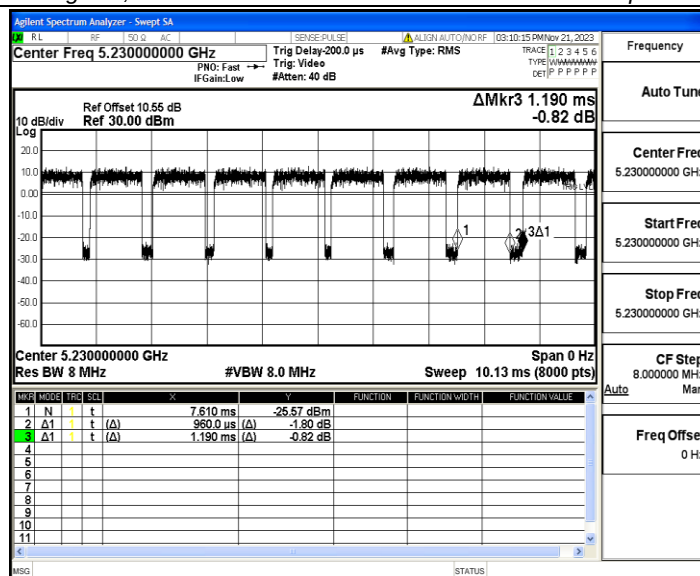
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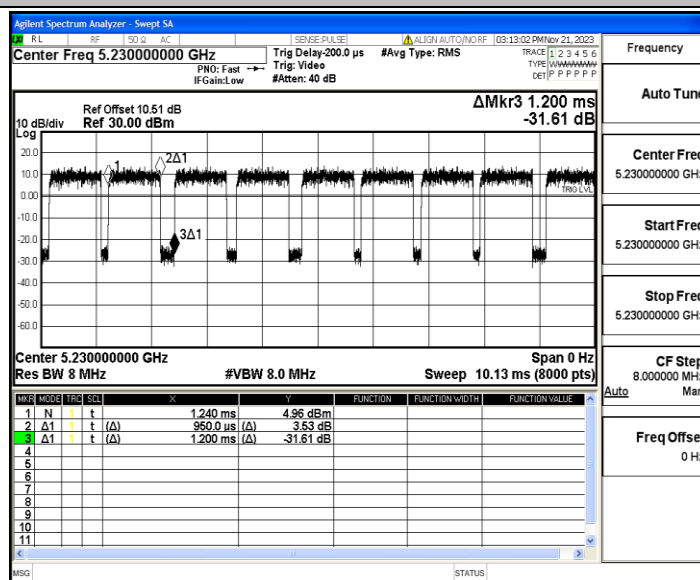
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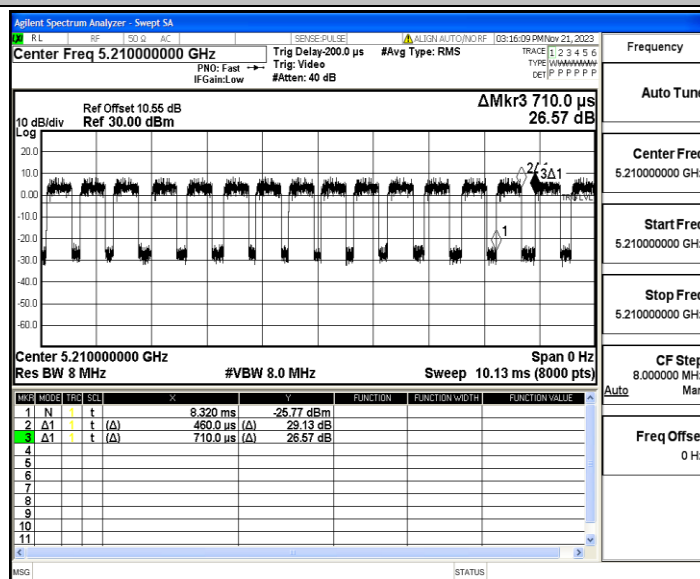
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11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210

