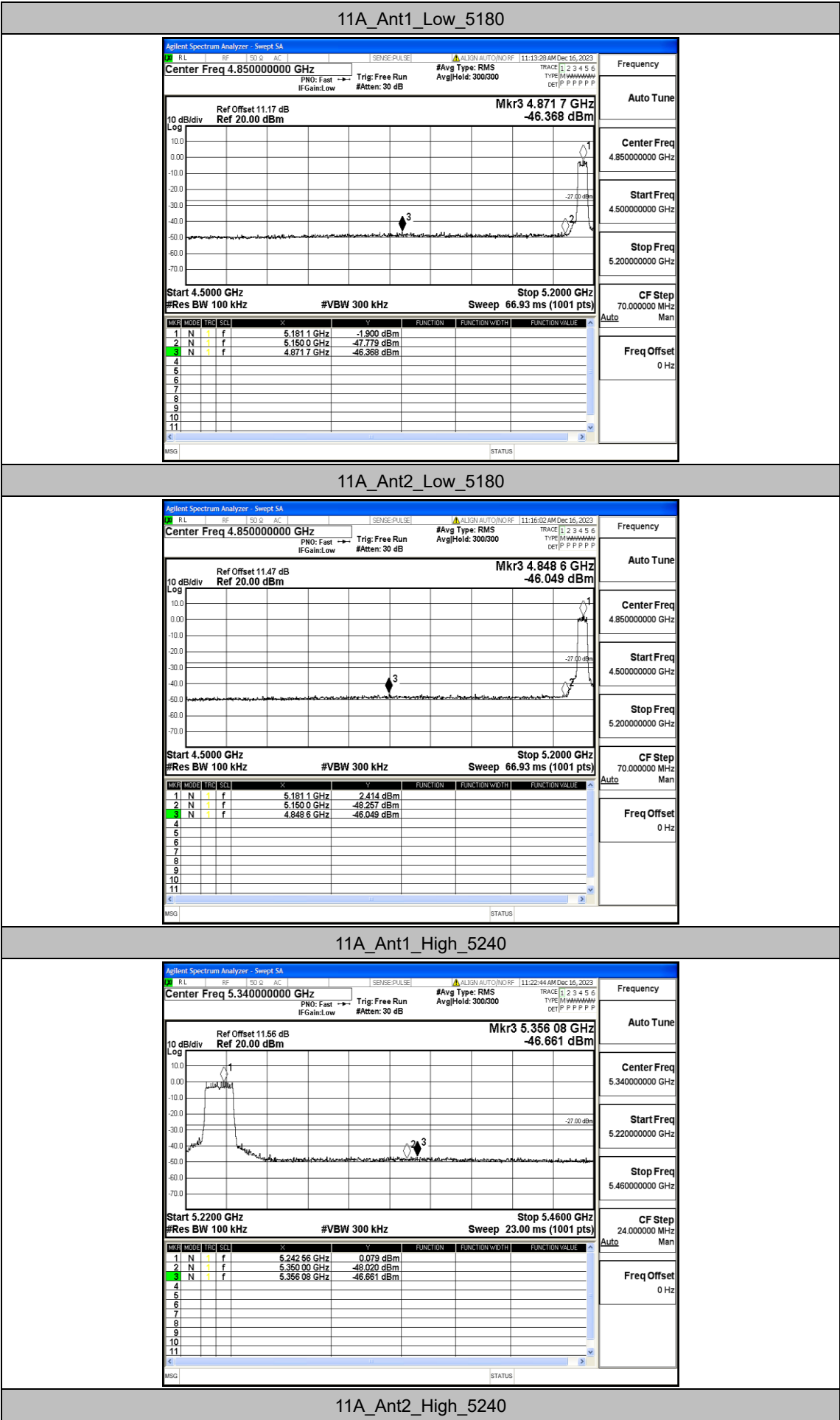


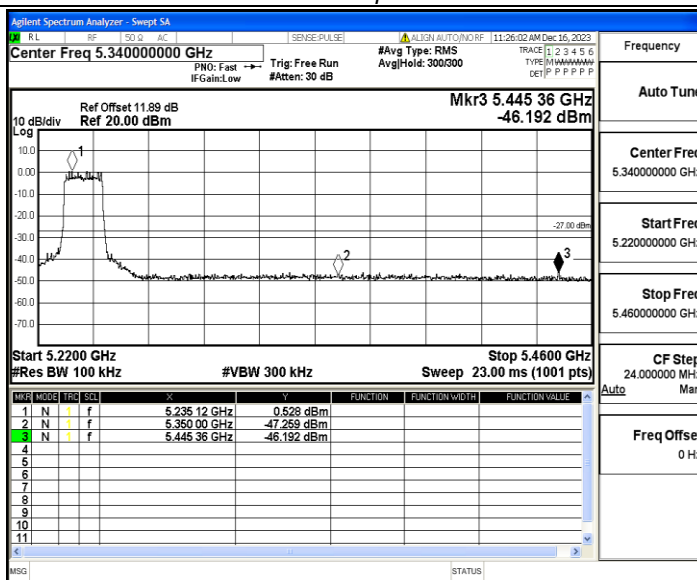
Appendix D: Band edge measurements

Test Result

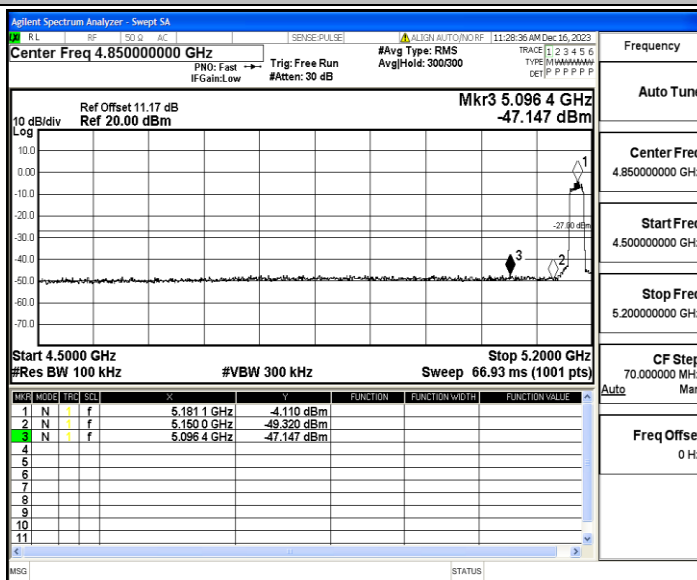
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-46.37	≤-27	PASS
	Ant2	Low	5180	-46.05	≤-27	PASS
	Ant1	High	5240	-46.66	≤-27	PASS
	Ant2	High	5240	-46.19	≤-27	PASS
11N20MIMO	Ant1	Low	5180	-47.15	≤-27	PASS
	Ant2	Low	5180	-46.72	≤-27	PASS
	Ant1	High	5240	-46.04	≤-27	PASS
	Ant2	High	5240	-45.43	≤-27	PASS
11N40MIMO	Ant1	Low	5190	-46.52	≤-27	PASS
	Ant2	Low	5190	-45.83	≤-27	PASS
	Ant1	High	5230	-47.23	≤-27	PASS
	Ant2	High	5230	-46.69	≤-27	PASS
11AC20MIMO	Ant1	Low	5180	-46.87	≤-27	PASS
	Ant2	Low	5180	-46.05	≤-27	PASS
	Ant1	High	5240	-46.45	≤-27	PASS
	Ant2	High	5240	-45.5	≤-27	PASS
11AC40MIMO	Ant1	Low	5190	-46.06	≤-27	PASS
	Ant2	Low	5190	-46.77	≤-27	PASS
	Ant1	High	5230	-47.18	≤-27	PASS
	Ant2	High	5230	-46.51	≤-27	PASS
11AC80MIMO	Ant1	Low	5210	-46.66	≤-27	PASS
	Ant2	Low	5210	-45.33	≤-27	PASS
	Ant1	High	5210	-47.02	≤-27	PASS
	Ant2	High	5210	-46.55	≤-27	PASS

Test Graphs

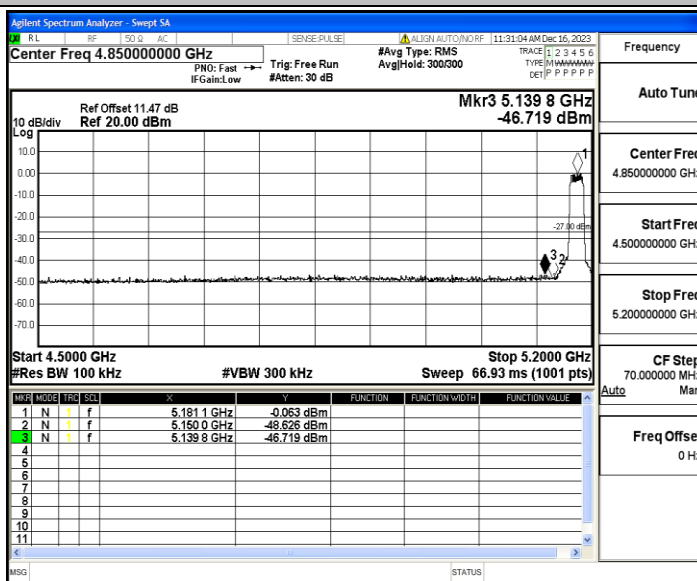




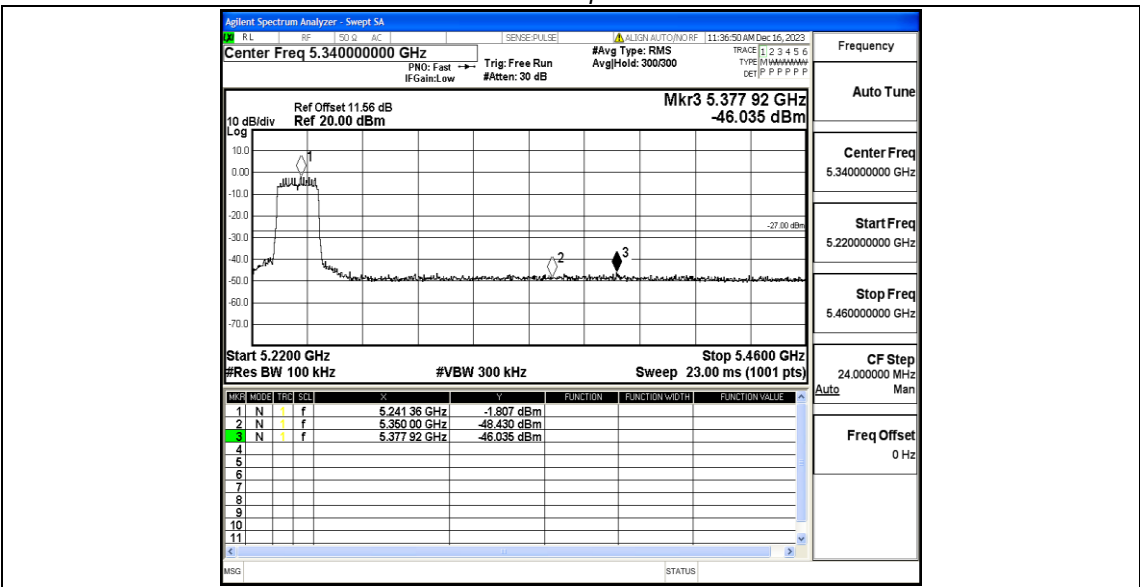
11N20MIMO_Ant1_Low_5180



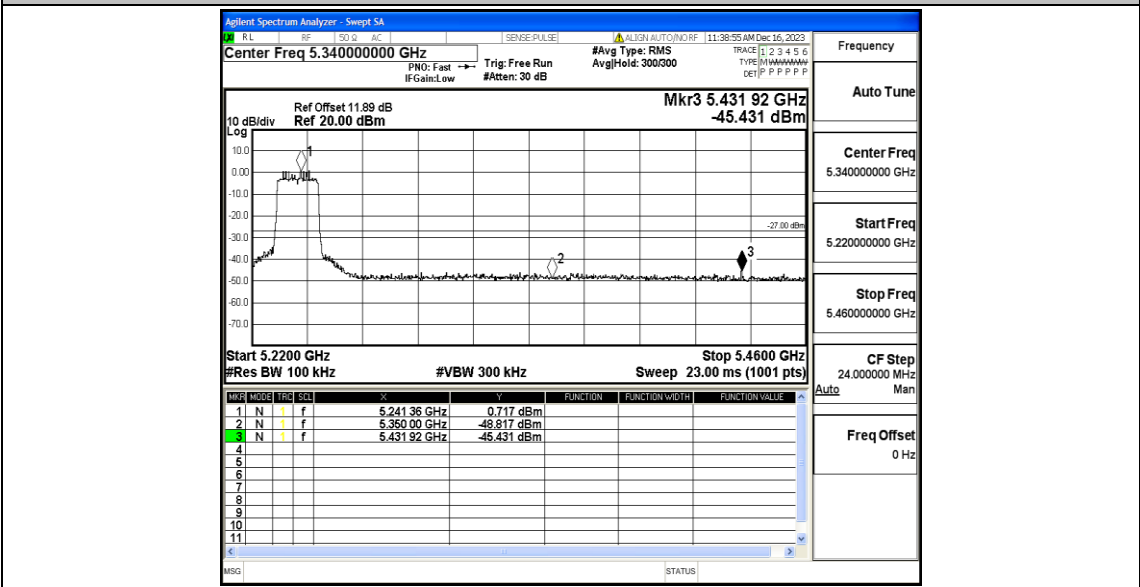
11N20MIMO_Ant2_Low_5180



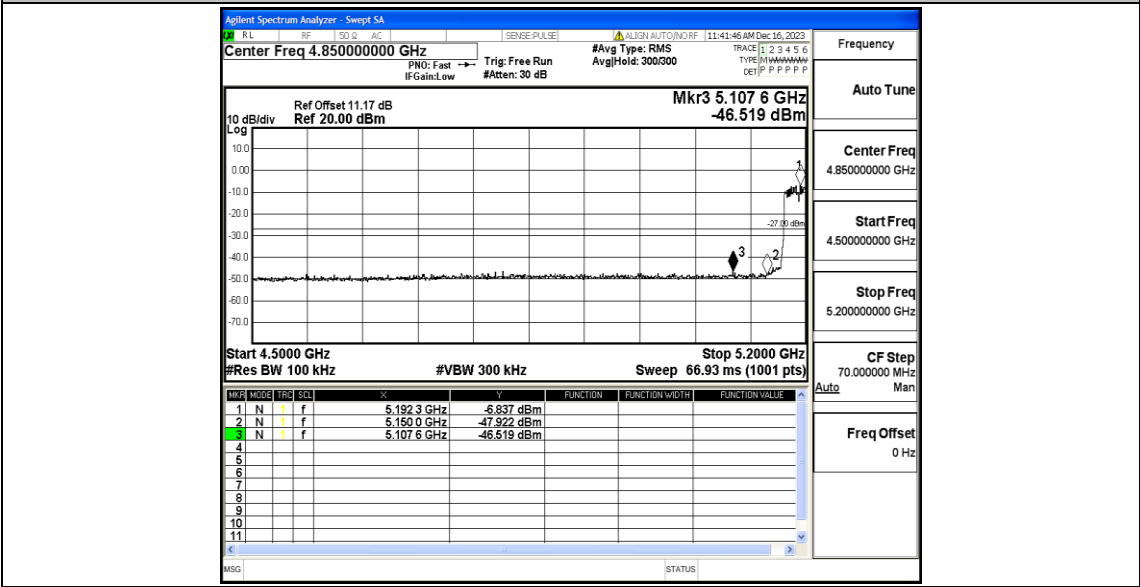
11N20MIMO_Ant1_High_5240



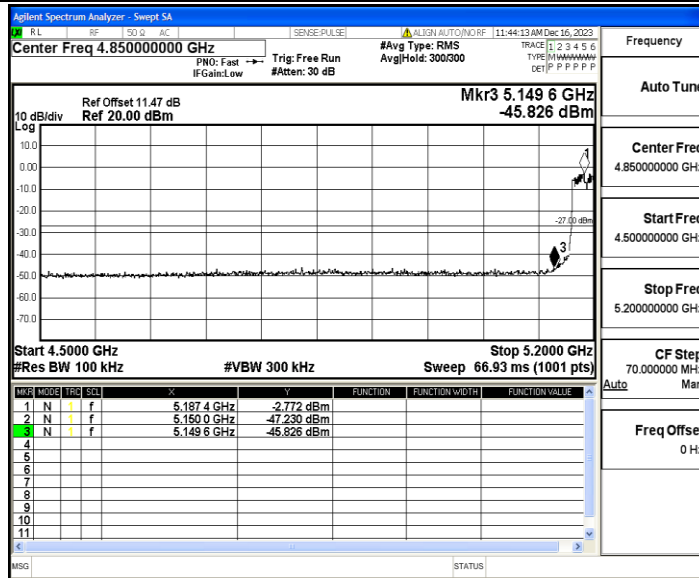
11N20MIMO_Ant2_High_5240



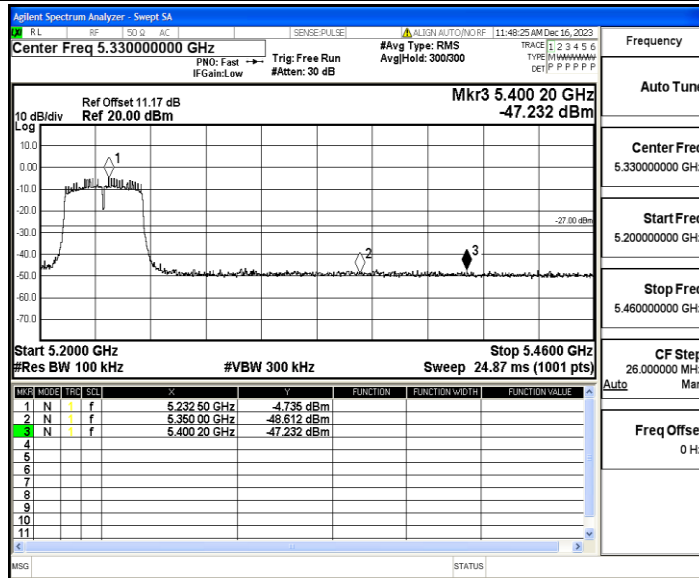
11N40MIMO_Ant1_Low_5190



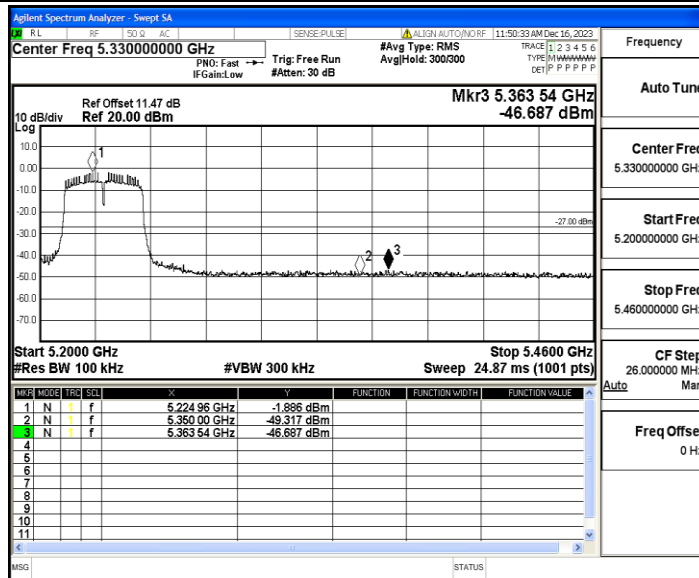
11N40MIMO_Ant2_Low_5190



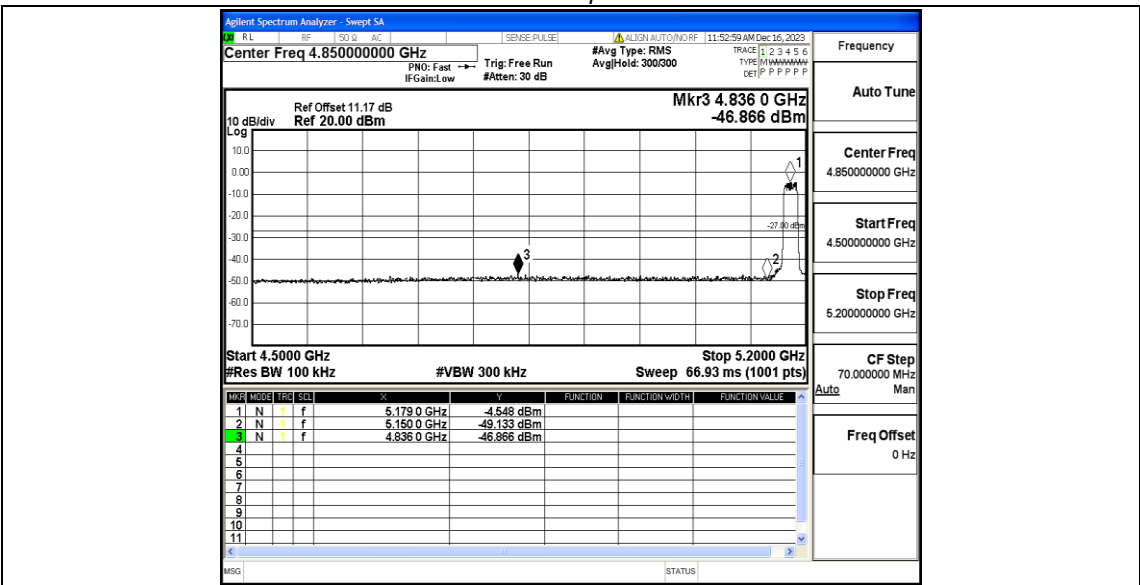
11N40MIMO_Ant1_High_5230



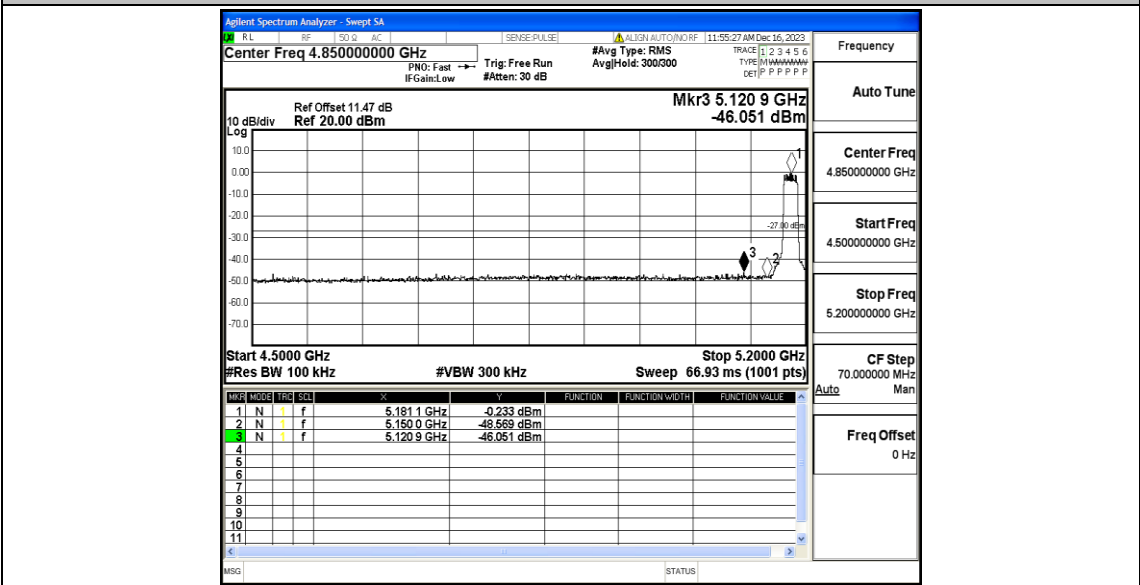
11N40MIMO_Ant2_High_5230



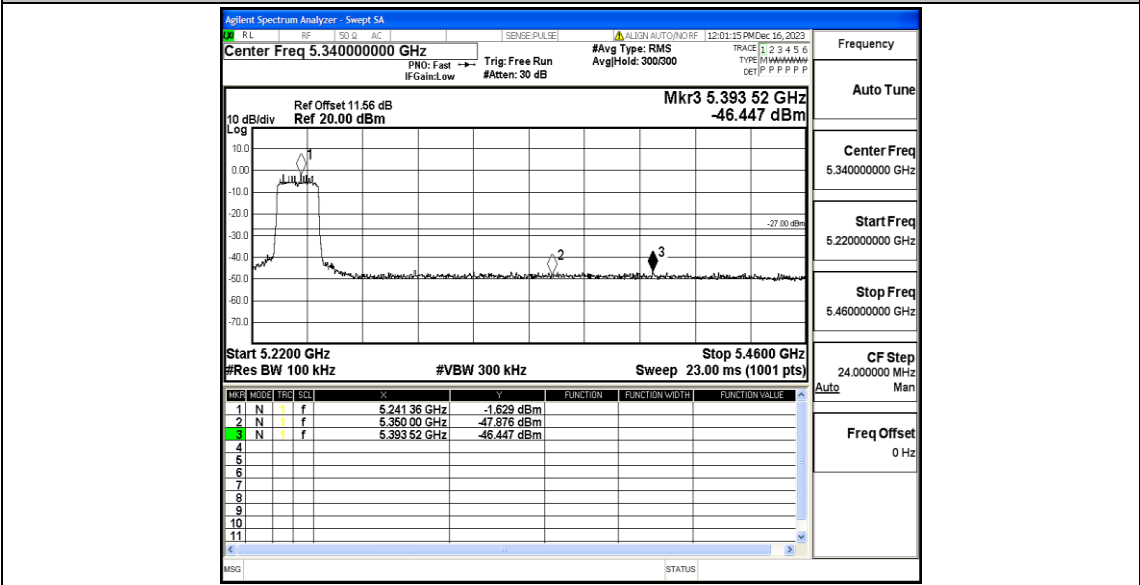
11AC20MIMO_Ant1_Low_5180



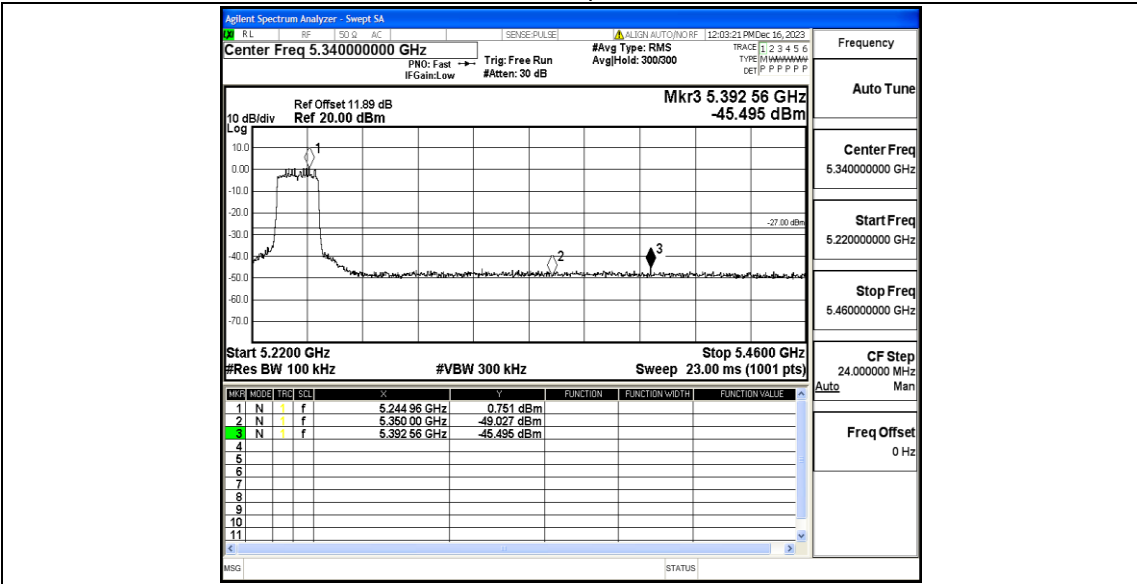
11AC20MIMO_Ant2_Low_5180



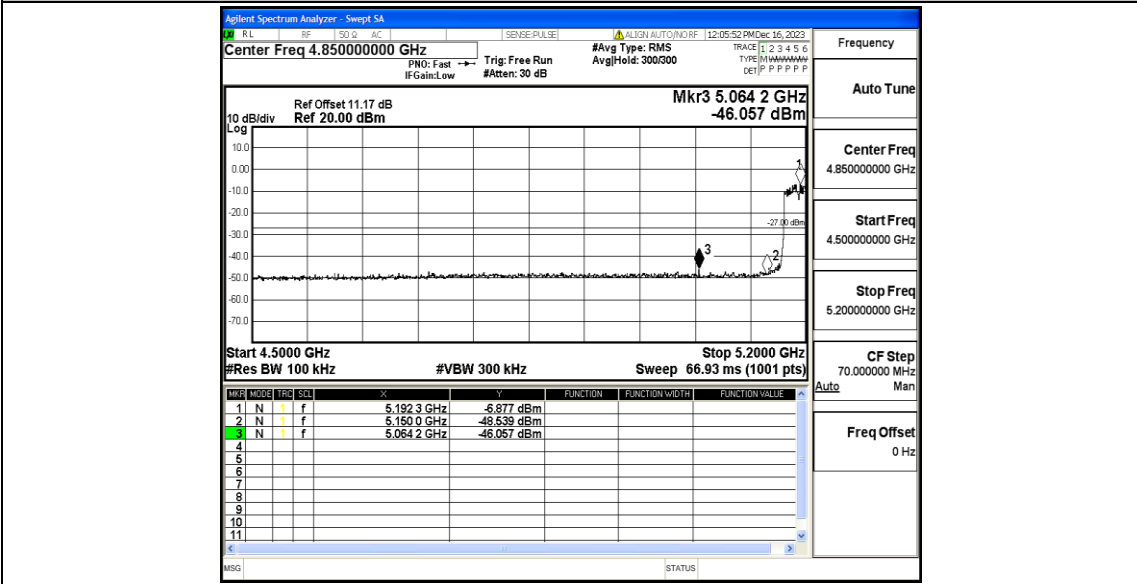
11AC20MIMO_Ant1_High_5240



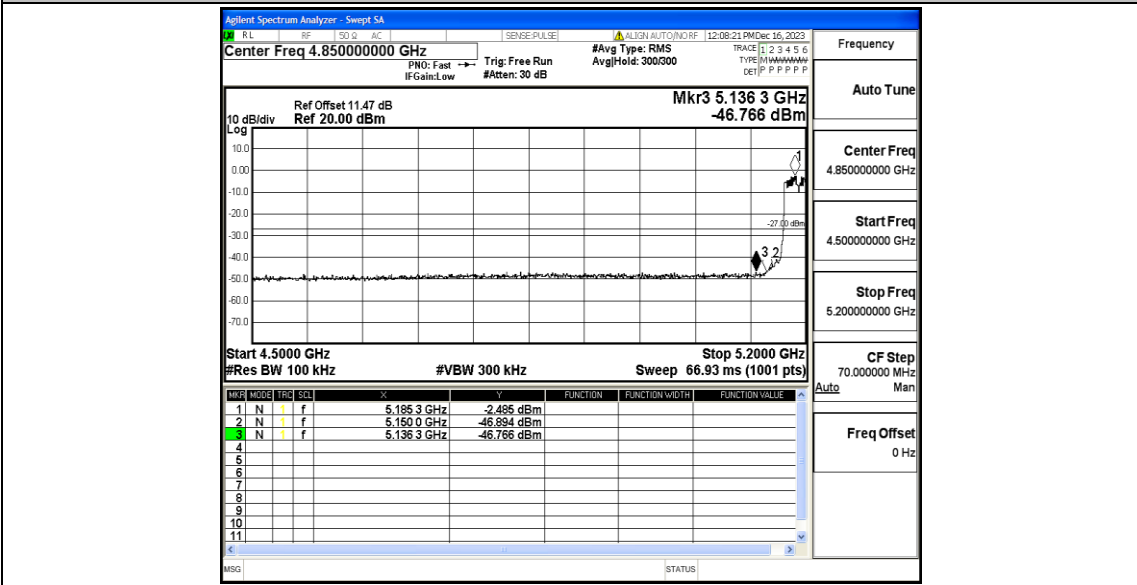
11AC20MIMO_Ant2_High_5240



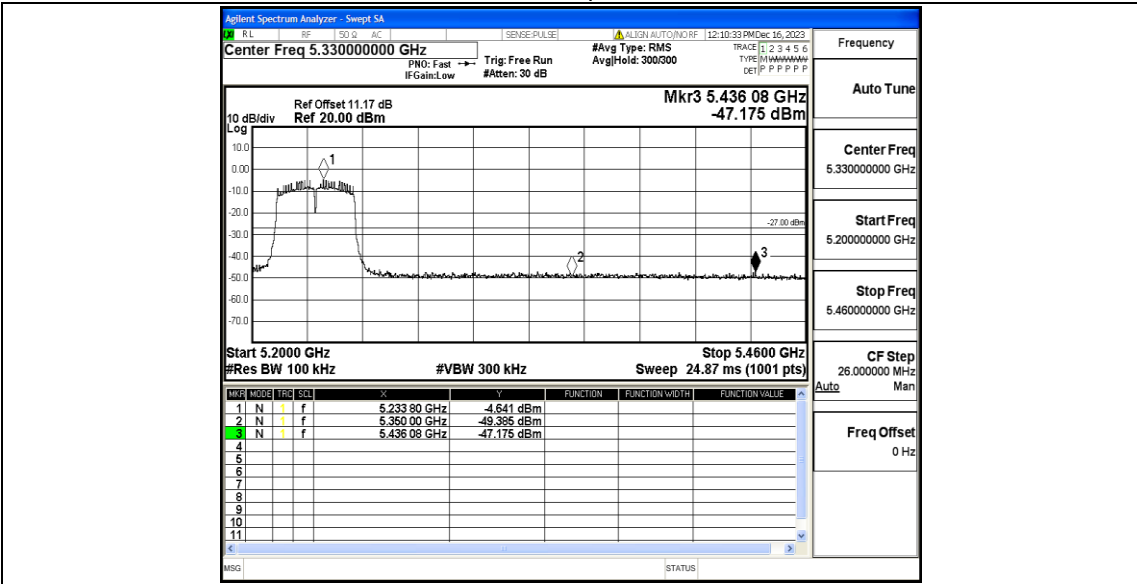
11AC40MIMO_Ant1_Low_5190



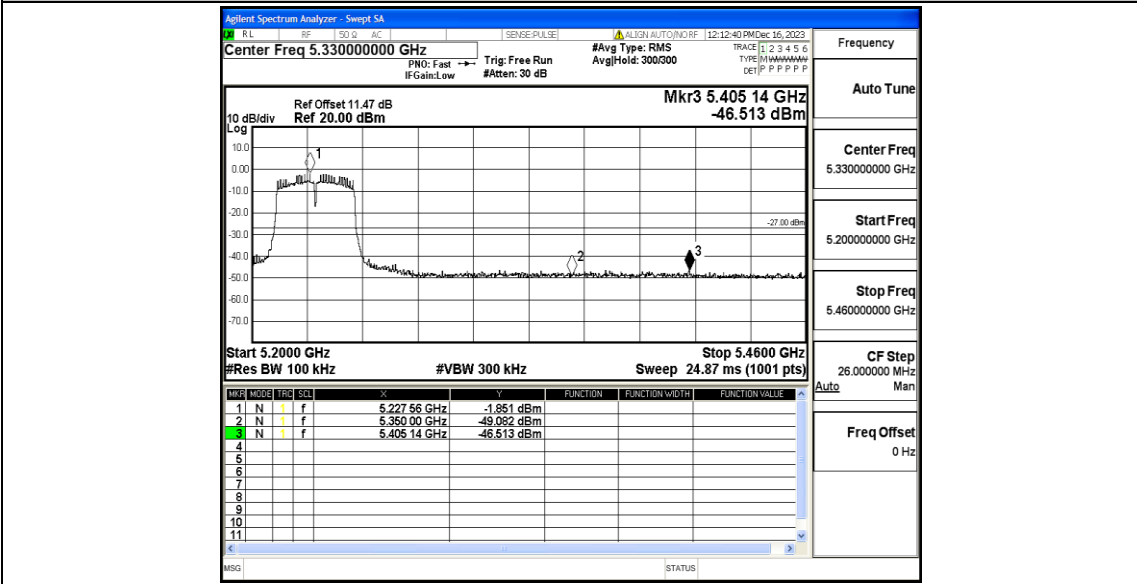
11AC40MIMO_Ant2_Low_5190



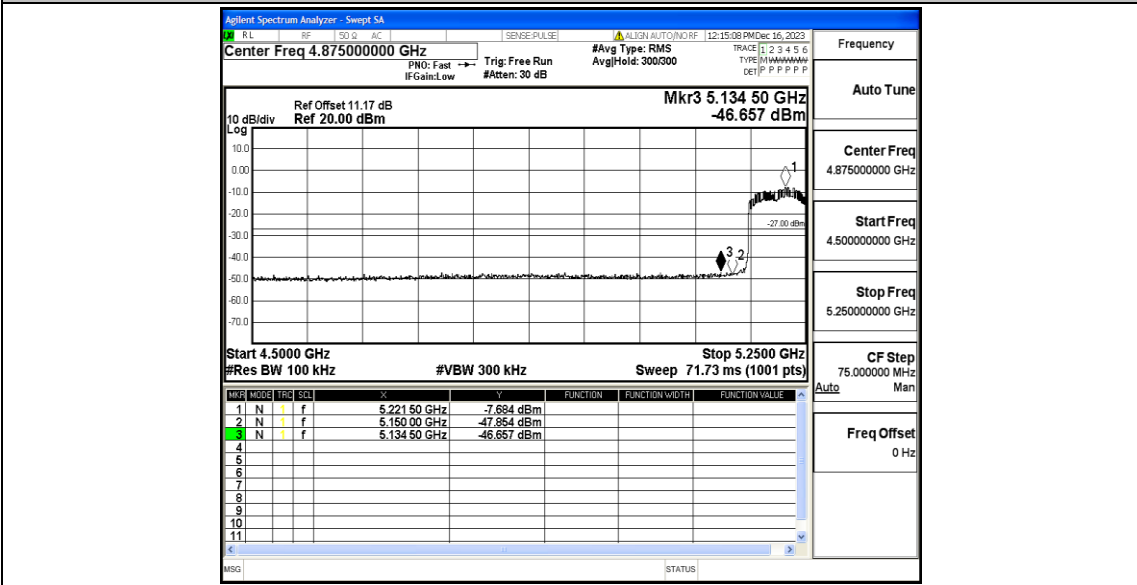
11AC40MIMO_Ant1_High_5230



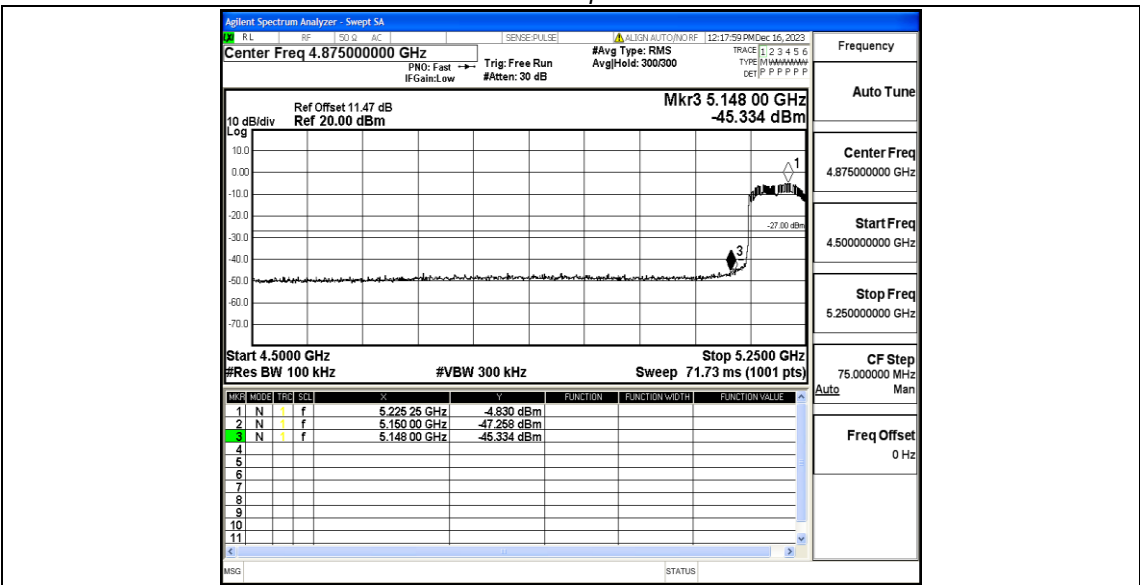
11AC40MIMO_Ant2_High_5230



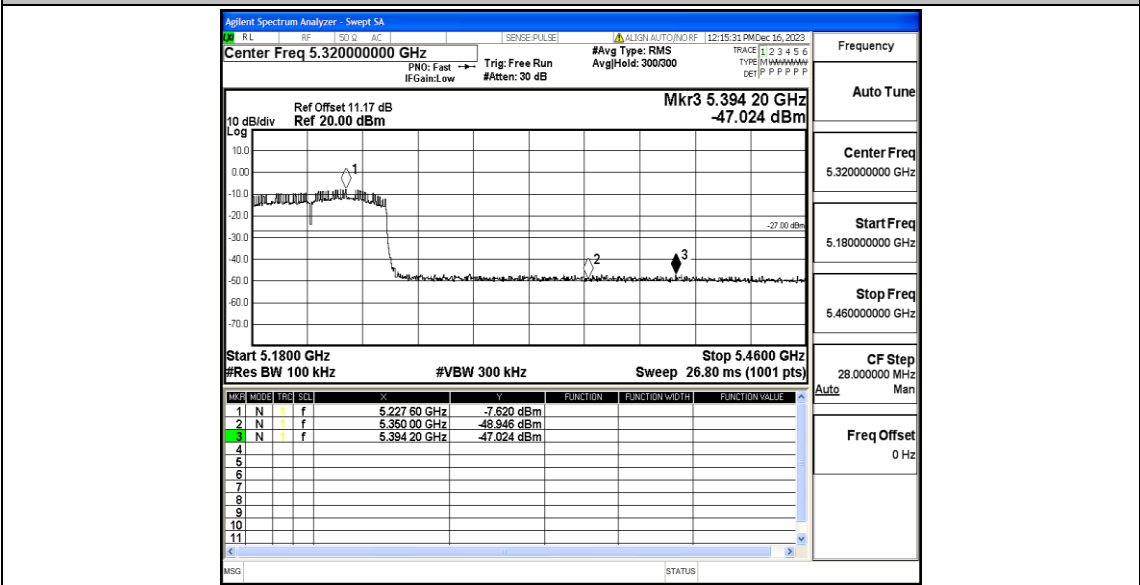
11AC80MIMO_Ant1_Low_5210



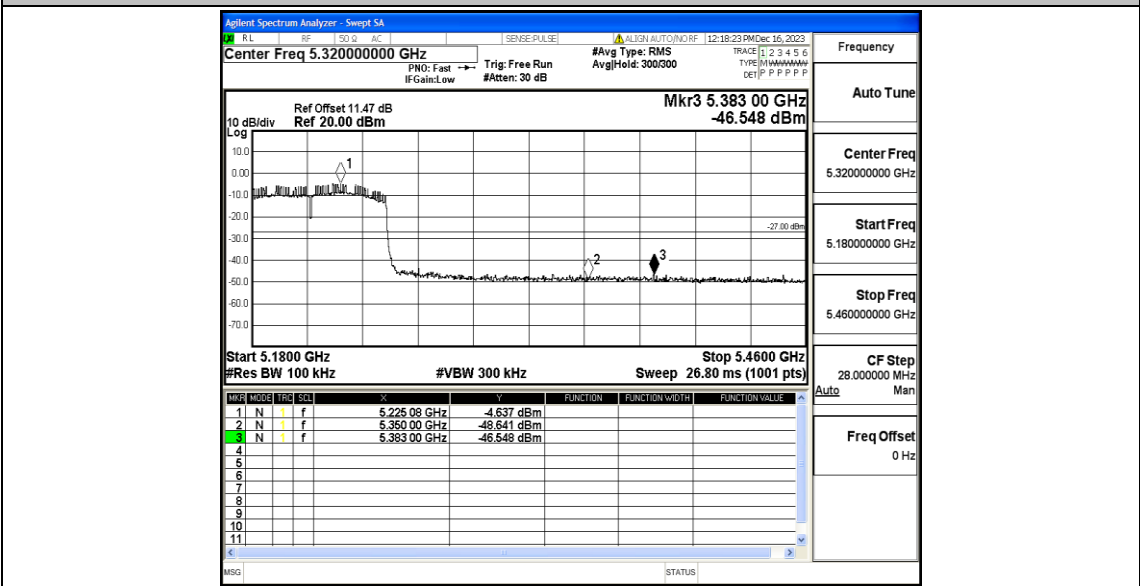
11AC80MIMO_Ant2_Low_5210



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	5179.913046	5150 – 5250	PASS
5180	20	108	5179.963738	5150 – 5250	PASS
5180	50	120	5180.049028	5150 – 5250	PASS
5180	40	120	5179.907464	5150 – 5250	PASS
5180	30	120	5180.078620	5150 – 5250	PASS
5180	20	120	5179.923237	5150 – 5250	PASS
5180	10	120	5180.046882	5150 – 5250	PASS
5180	0	120	5180.021349	5150 – 5250	PASS
5180	-10	120	5179.935170	5150 – 5250	PASS
5180	-20	120	5179.995588	5150 – 5250	PASS
5180	-30	120	5180.090150	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5179.933042	5150 – 5250	PASS
5180	20	108	5179.974587	5150 – 5250	PASS
5180	50	120	5179.930583	5150 – 5250	PASS
5180	40	120	5179.979074	5150 – 5250	PASS
5180	30	120	5179.916165	5150 – 5250	PASS
5180	20	120	5179.977861	5150 – 5250	PASS
5180	10	120	5180.053852	5150 – 5250	PASS
5180	0	120	5179.979125	5150 – 5250	PASS
5180	-10	120	5180.086785	5150 – 5250	PASS
5180	-20	120	5179.952146	5150 – 5250	PASS
5180	-30	120	5179.946853	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5199.956414	5150 – 5250	PASS
5200	20	108	5200.067727	5150 – 5250	PASS
5200	50	120	5200.069816	5150 – 5250	PASS
5200	40	120	5200.023084	5150 – 5250	PASS
5200	30	120	5200.077854	5150 – 5250	PASS
5200	20	120	5199.948540	5150 – 5250	PASS
5200	10	120	5200.037151	5150 – 5250	PASS
5200	0	120	5199.912644	5150 – 5250	PASS
5200	-10	120	5200.075944	5150 – 5250	PASS
5200	-20	120	5200.091956	5150 – 5250	PASS
5200	-30	120	5200.065280	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.048642	5150 – 5250	PASS
5200	20	108	5199.944336	5150 – 5250	PASS
5200	50	120	5200.074795	5150 – 5250	PASS
5200	40	120	5200.023109	5150 – 5250	PASS
5200	30	120	5199.953025	5150 – 5250	PASS
5200	20	120	5199.985532	5150 – 5250	PASS
5200	10	120	5199.954927	5150 – 5250	PASS
5200	0	120	5200.068514	5150 – 5250	PASS
5200	-10	120	5199.977448	5150 – 5250	PASS
5200	-20	120	5199.913093	5150 – 5250	PASS
5200	-30	120	5199.990913	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5240.082716	5150 – 5250	PASS
5240	20	108	5239.954697	5150 – 5250	PASS
5240	50	120	5239.993459	5150 – 5250	PASS
5240	40	120	5240.084983	5150 – 5250	PASS
5240	30	120	5240.071574	5150 – 5250	PASS
5240	20	120	5240.067677	5150 – 5250	PASS
5240	10	120	5239.978474	5150 – 5250	PASS
5240	0	120	5239.961148	5150 – 5250	PASS
5240	-10	120	5240.013193	5150 – 5250	PASS
5240	-20	120	5240.069229	5150 – 5250	PASS
5240	-30	120	5239.939829	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.996795	5150 – 5250	PASS
5240	20	108	5240.093848	5150 – 5250	PASS
5240	50	120	5239.949438	5150 – 5250	PASS
5240	40	120	5240.076068	5150 – 5250	PASS
5240	30	120	5239.971033	5150 – 5250	PASS
5240	20	120	5240.006669	5150 – 5250	PASS
5240	10	120	5240.040195	5150 – 5250	PASS
5240	0	120	5240.056774	5150 – 5250	PASS
5240	-10	120	5239.984540	5150 – 5250	PASS
5240	-20	120	5239.989096	5150 – 5250	PASS
5240	-30	120	5239.950831	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5189.926155	5150 – 5250	PASS
5190	20	108	5190.030882	5150 – 5250	PASS
5190	50	120	5189.989855	5150 – 5250	PASS
5190	40	120	5189.915682	5150 – 5250	PASS
5190	30	120	5189.957573	5150 – 5250	PASS
5190	20	120	5189.964370	5150 – 5250	PASS
5190	10	120	5189.955510	5150 – 5250	PASS
5190	0	120	5189.989730	5150 – 5250	PASS
5190	-10	120	5189.973359	5150 – 5250	PASS
5190	-20	120	5190.055671	5150 – 5250	PASS
5190	-30	120	5190.006761	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.064966	5150 – 5250	PASS
5190	20	108	5189.959145	5150 – 5250	PASS
5190	50	120	5190.006372	5150 – 5250	PASS
5190	40	120	5189.941761	5150 – 5250	PASS
5190	30	120	5190.035567	5150 – 5250	PASS
5190	20	120	5189.939482	5150 – 5250	PASS
5190	10	120	5189.996445	5150 – 5250	PASS
5190	0	120	5189.946053	5150 – 5250	PASS
5190	-10	120	5190.000531	5150 – 5250	PASS
5190	-20	120	5190.087486	5150 – 5250	PASS
5190	-30	120	5189.954590	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5230.014108	5150 – 5250	PASS
5230	20	108	5230.025264	5150 – 5250	PASS
5230	50	120	5230.072110	5150 – 5250	PASS
5230	40	120	5229.944425	5150 – 5250	PASS
5230	30	120	5229.972510	5150 – 5250	PASS
5230	20	120	5229.945184	5150 – 5250	PASS
5230	10	120	5229.976028	5150 – 5250	PASS
5230	0	120	5229.983624	5150 – 5250	PASS
5230	-10	120	5229.931389	5150 – 5250	PASS
5230	-20	120	5229.956737	5150 – 5250	PASS
5230	-30	120	5230.081436	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5230.000249	5150 – 5250	PASS
5230	20	108	5230.082580	5150 – 5250	PASS
5230	50	120	5229.922968	5150 – 5250	PASS
5230	40	120	5230.085069	5150 – 5250	PASS
5230	30	120	5230.033990	5150 – 5250	PASS
5230	20	120	5230.094440	5150 – 5250	PASS
5230	10	120	5230.081787	5150 – 5250	PASS
5230	0	120	5230.043426	5150 – 5250	PASS
5230	-10	120	5229.993485	5150 – 5250	PASS
5230	-20	120	5229.970791	5150 – 5250	PASS
5230	-30	120	5230.041134	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.002954	5150 – 5250	PASS
5210	20	108	5210.041675	5150 – 5250	PASS
5210	50	120	5209.920822	5150 – 5250	PASS
5210	40	120	5209.969470	5150 – 5250	PASS
5210	30	120	5210.016292	5150 – 5250	PASS
5210	20	120	5209.958434	5150 – 5250	PASS
5210	10	120	5210.034689	5150 – 5250	PASS
5210	0	120	5209.962660	5150 – 5250	PASS
5210	-10	120	5209.962170	5150 – 5250	PASS
5210	-20	120	5209.911882	5150 – 5250	PASS
5210	-30	120	5210.095344	5150 – 5250	PASS

Ant2

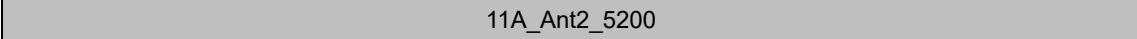
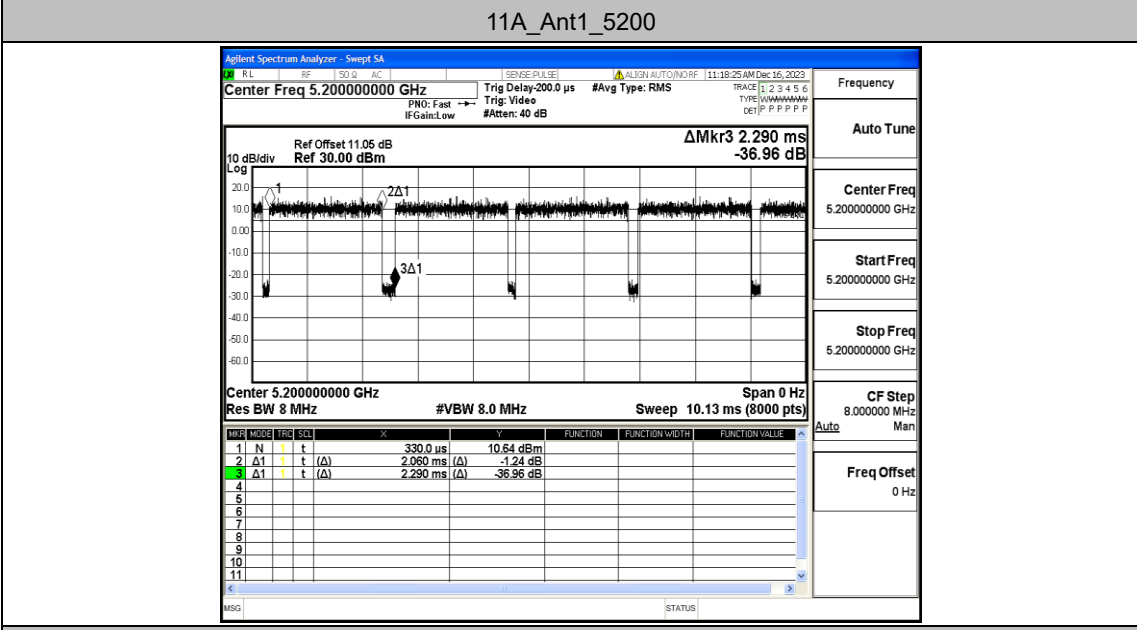
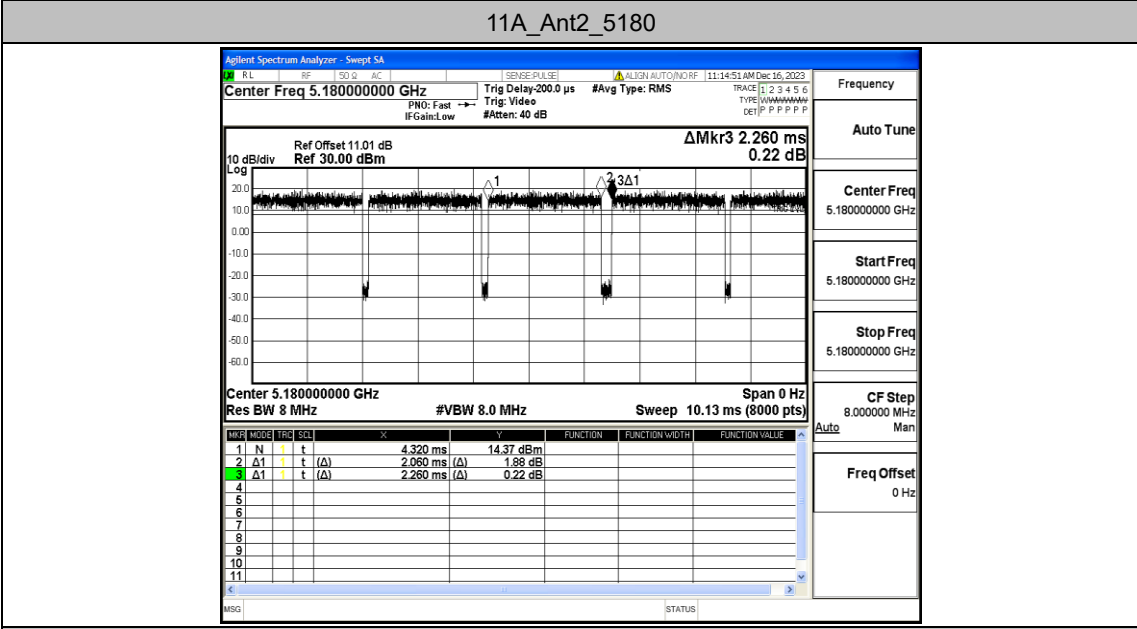
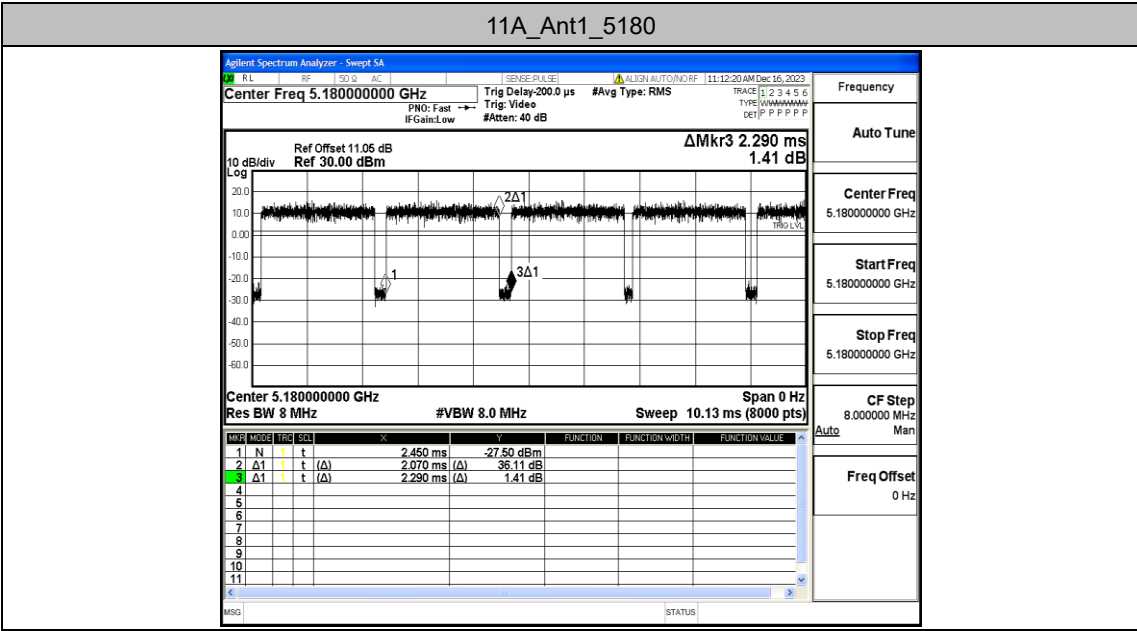
Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.095886	5150 – 5250	PASS
5210	20	108	5210.029003	5150 – 5250	PASS
5210	50	120	5210.017570	5150 – 5250	PASS
5210	40	120	5209.999827	5150 – 5250	PASS
5210	30	120	5209.958739	5150 – 5250	PASS
5210	20	120	5209.999703	5150 – 5250	PASS
5210	10	120	5209.973457	5150 – 5250	PASS
5210	0	120	5210.047031	5150 – 5250	PASS
5210	-10	120	5209.954329	5150 – 5250	PASS
5210	-20	120	5210.043846	5150 – 5250	PASS
5210	-30	120	5210.078582	5150 – 5250	PASS

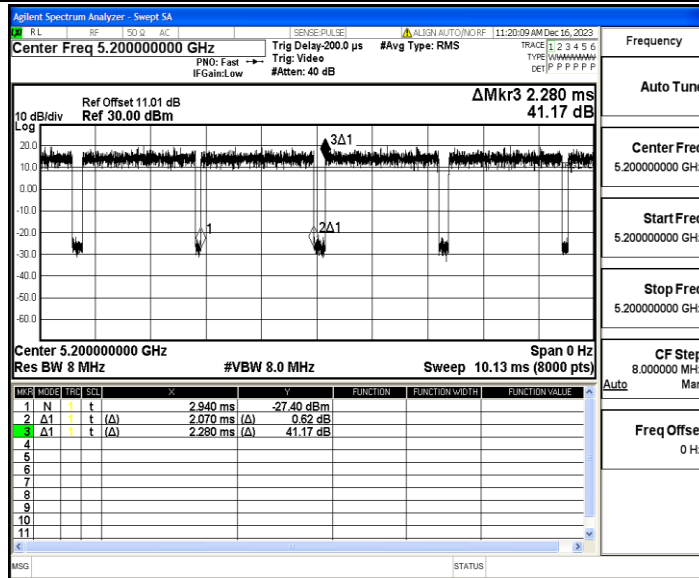
Appendix F: Duty Cycle

Test Result

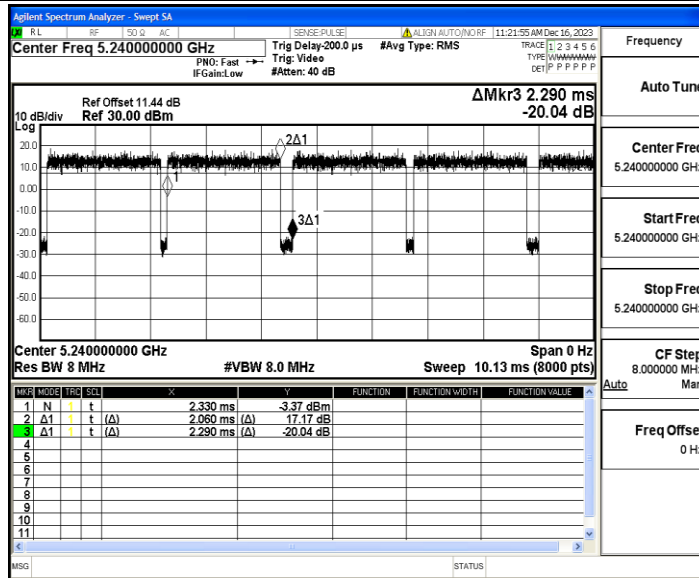
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5180	2.07	2.29	90.39	0.48
	Ant2	5180	2.06	2.26	91.15	0.49
	Ant1	5200	2.06	2.29	89.96	0.49
	Ant2	5200	2.07	2.28	90.79	0.48
	Ant1	5240	2.06	2.29	89.96	0.49
	Ant2	5240	2.06	2.27	90.75	0.49
11N20MIMO	Ant1	5180	1.92	2.12	90.57	0.52
	Ant2	5180	1.92	2.10	91.43	0.52
	Ant1	5200	1.92	2.13	90.14	0.52
	Ant2	5200	1.92	2.14	89.72	0.52
	Ant1	5240	1.93	2.13	90.61	0.52
	Ant2	5240	1.92	2.15	89.30	0.52
11N40MIMO	Ant1	5190	0.95	1.18	80.51	1.05
	Ant2	5190	0.95	1.18	80.51	1.05
	Ant1	5230	0.95	1.17	81.20	1.05
	Ant2	5230	0.95	1.18	80.51	1.05
11AC20MIMO	Ant1	5180	1.94	2.15	90.23	0.52
	Ant2	5180	1.94	2.17	89.40	0.52
	Ant1	5200	1.93	2.19	88.13	0.52
	Ant2	5200	1.94	2.18	88.99	0.52
	Ant1	5240	1.94	2.17	89.40	0.52
	Ant2	5240	1.93	2.15	89.77	0.52
11AC40MIMO	Ant1	5190	0.96	1.18	81.36	1.04
	Ant2	5190	0.95	1.19	79.83	1.05
	Ant1	5230	0.95	1.20	79.17	1.05
	Ant2	5230	0.96	1.21	79.34	1.04
11AC80MIMO	Ant1	5210	0.46	0.71	64.79	2.17
	Ant2	5210	0.46	0.72	63.89	2.17

Test Graphs

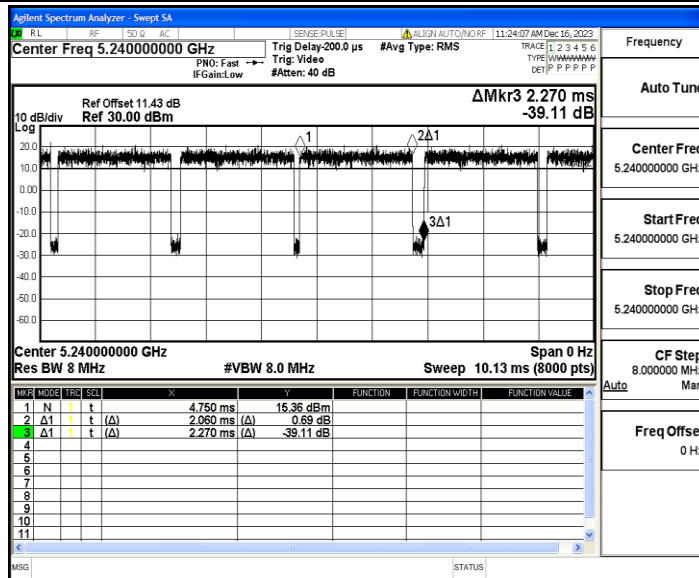




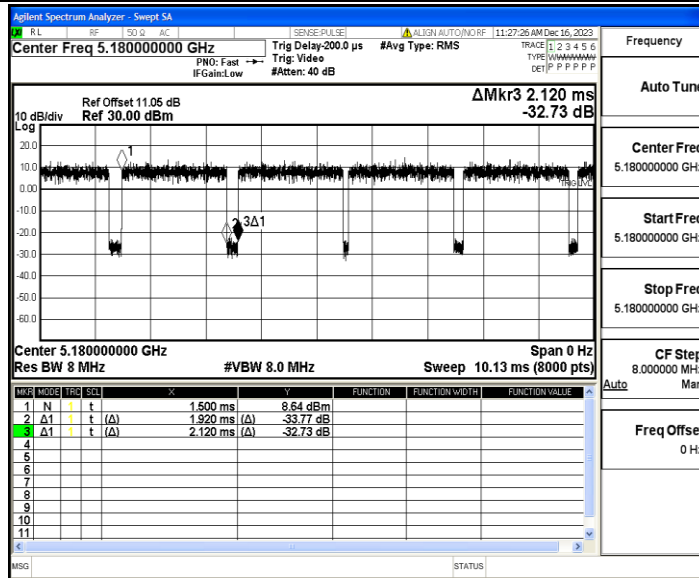
11A_Ant1_5240



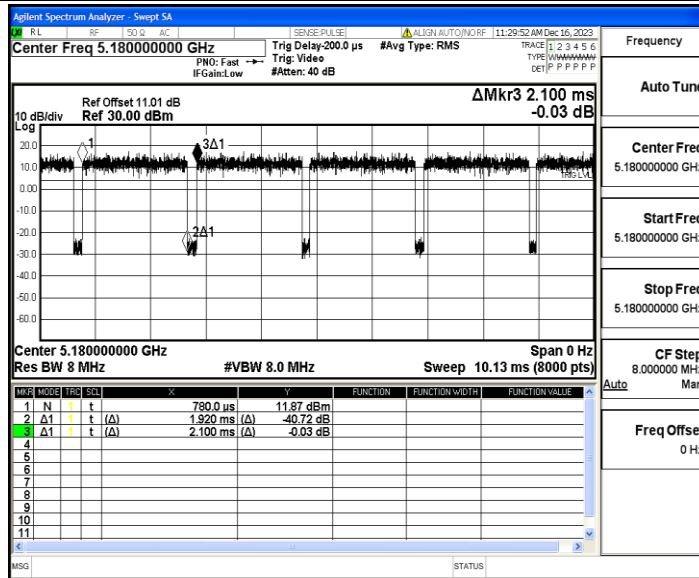
11A_Ant2_5240



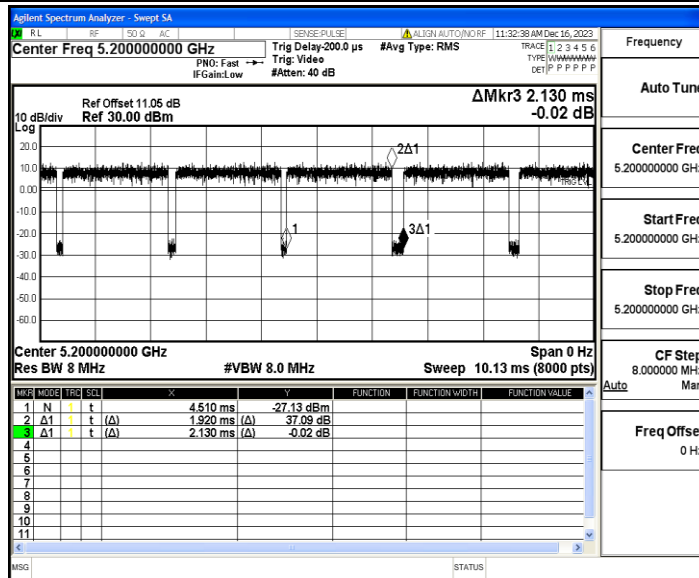
11N20MIMO_Ant1_5180



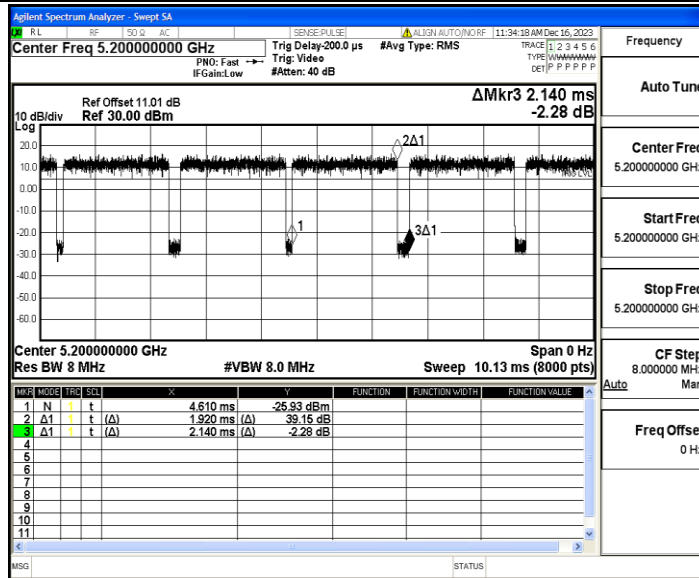
11N20MIMO_Ant2_5180



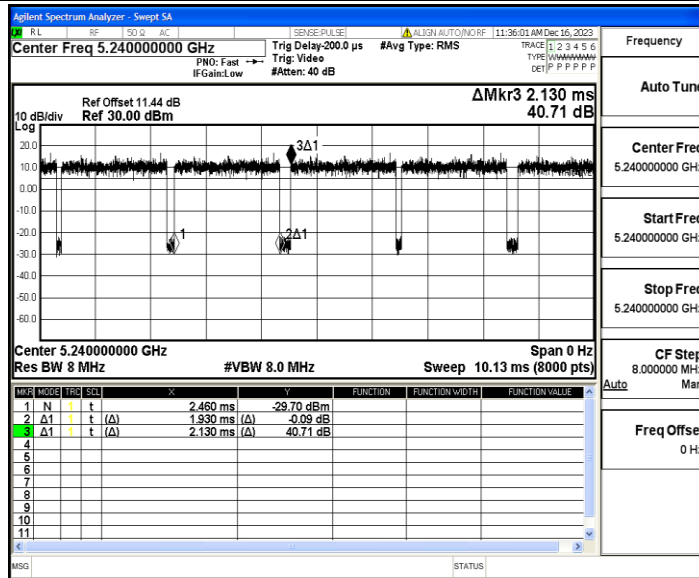
11N20MIMO_Ant1_5200



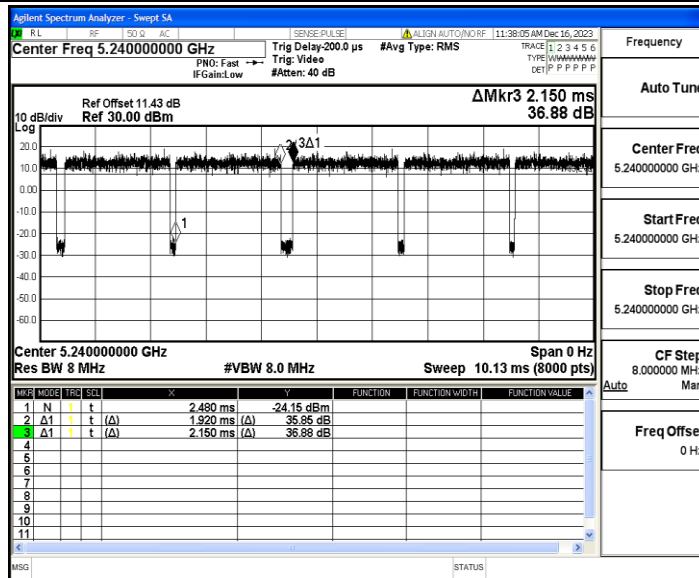
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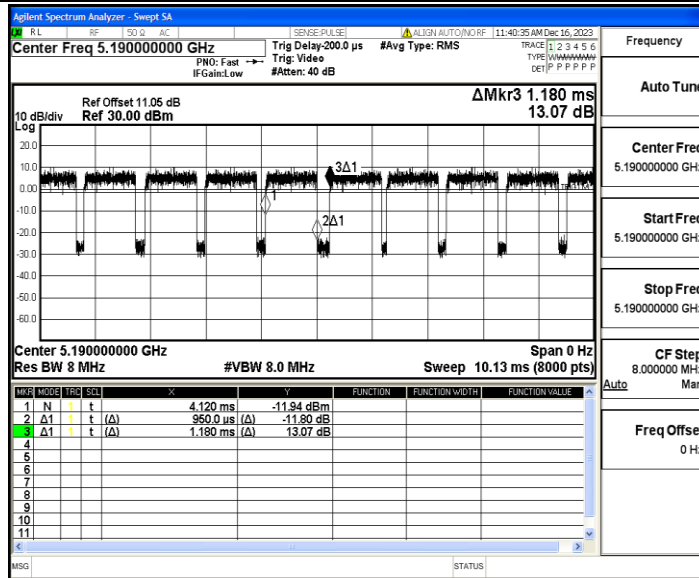
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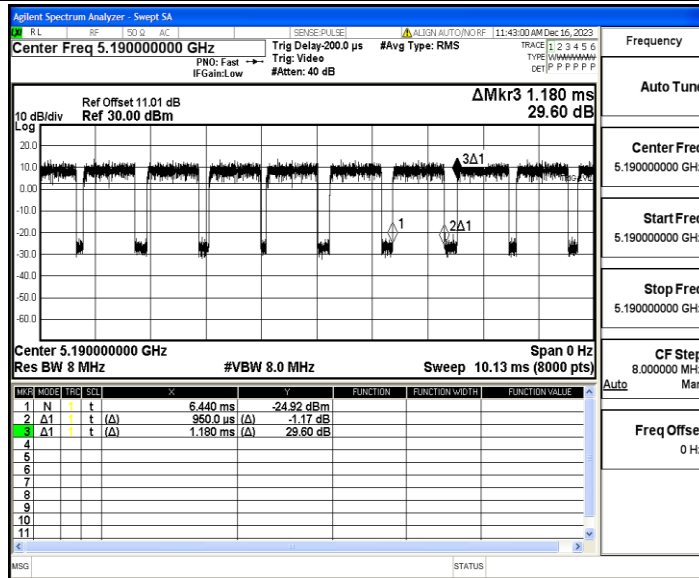
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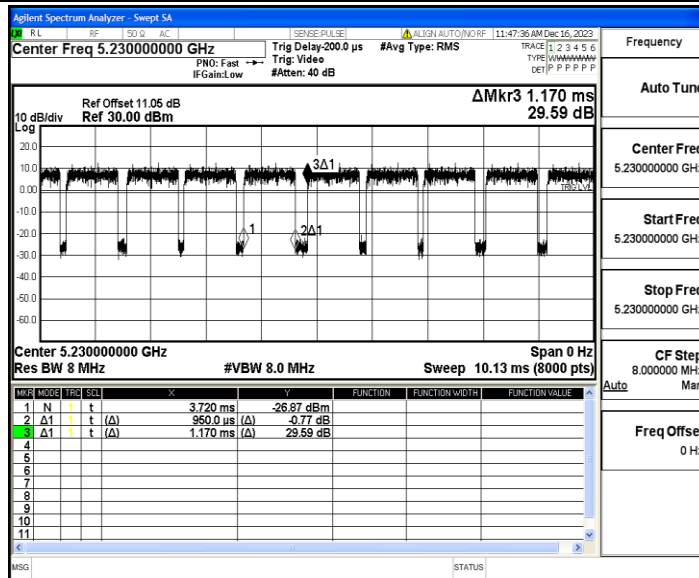
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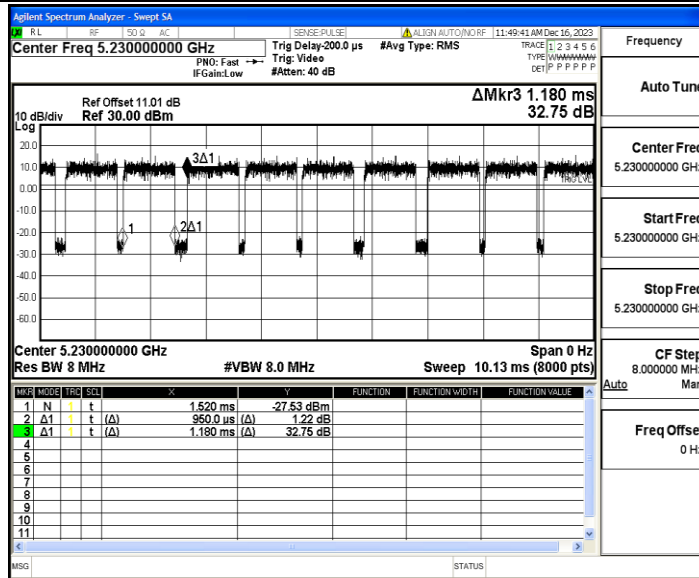
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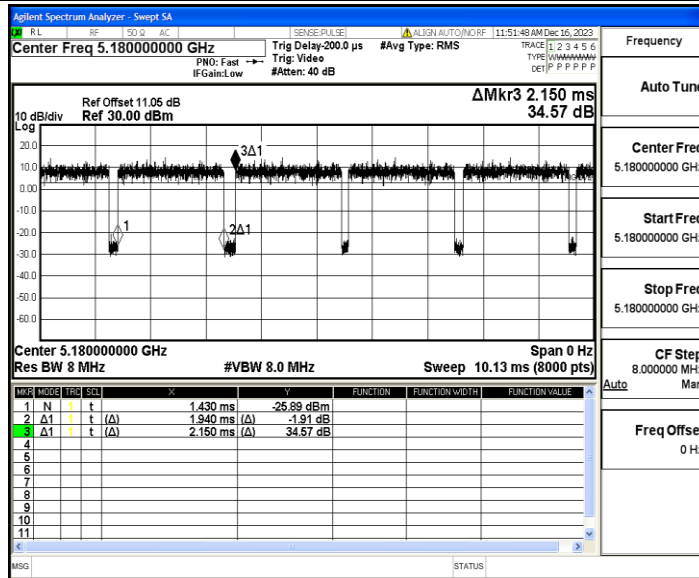
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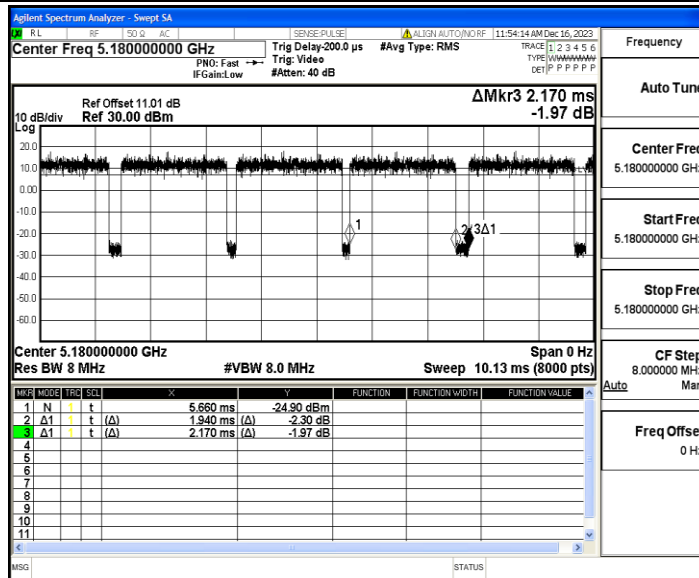
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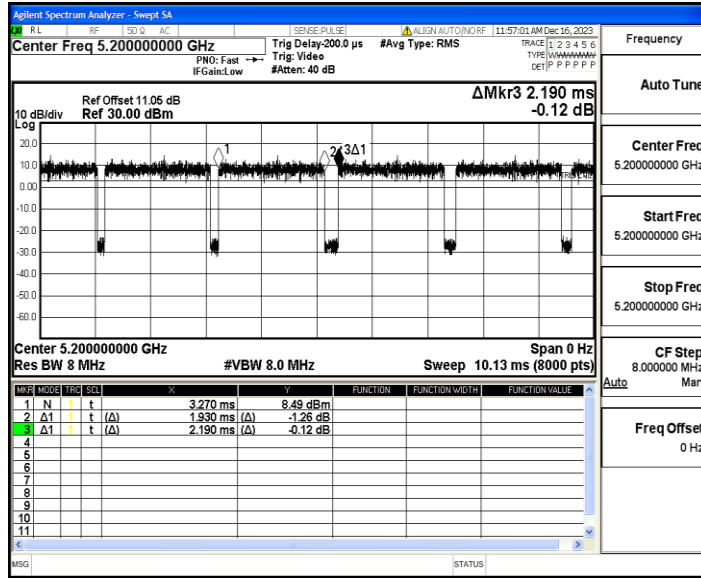
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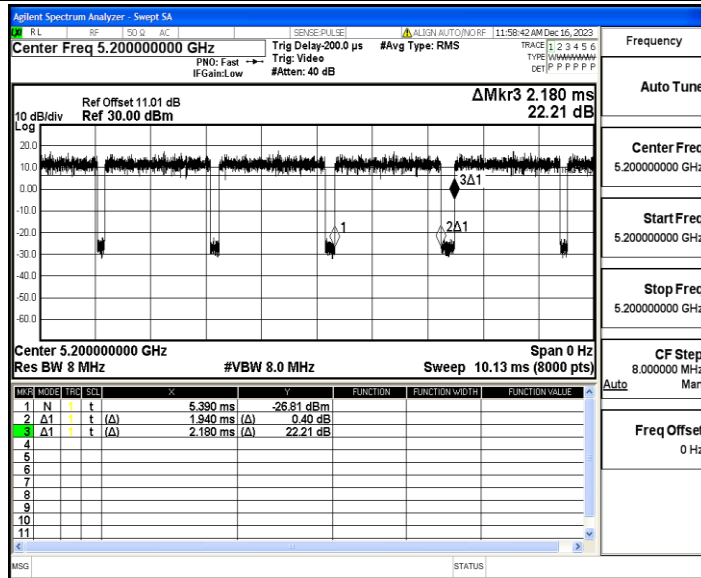
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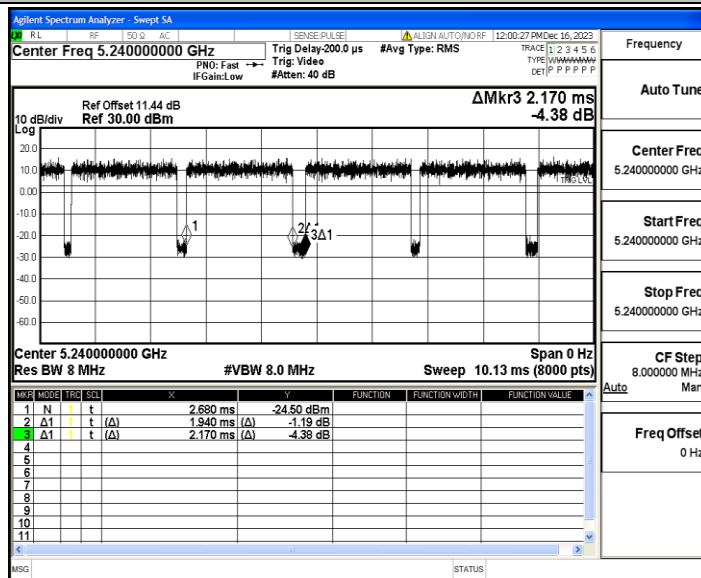
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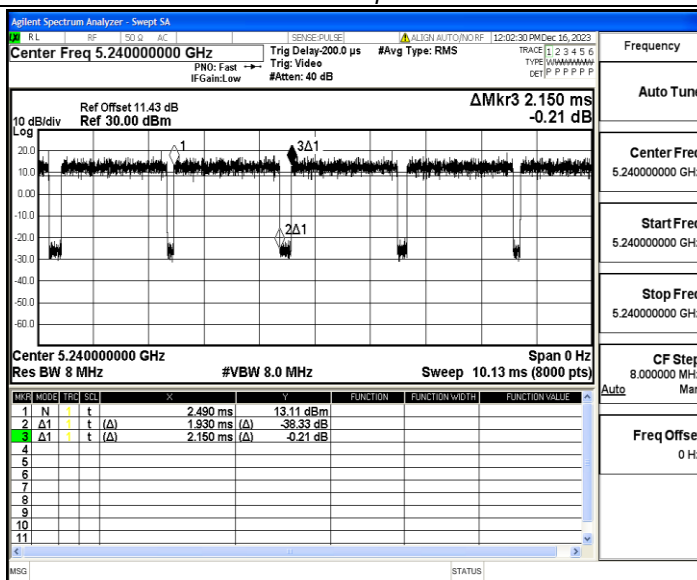
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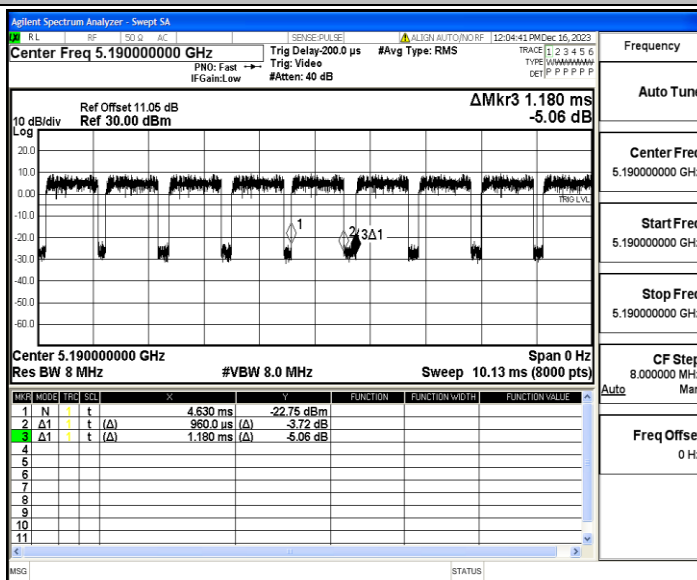
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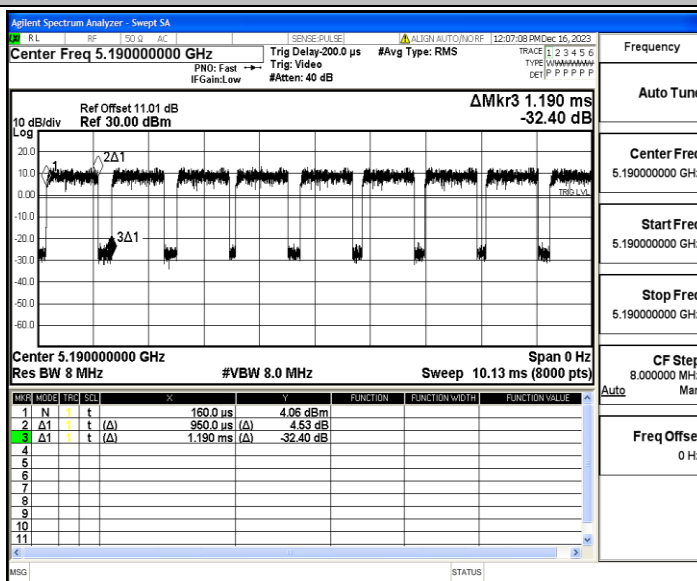
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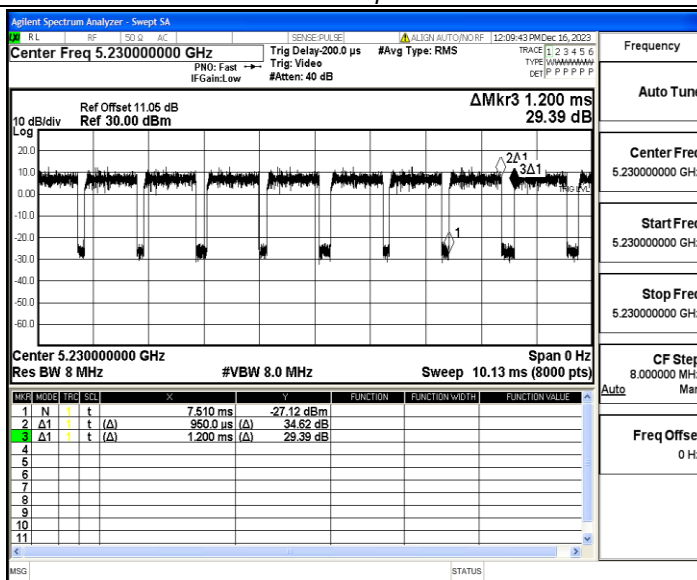
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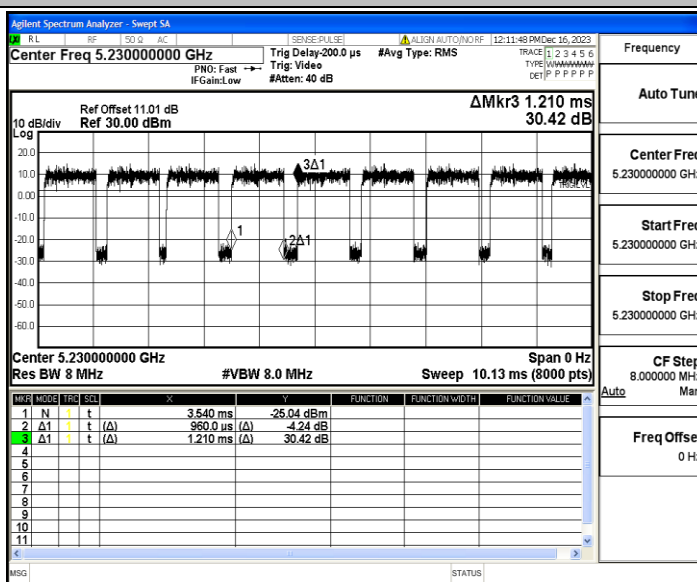
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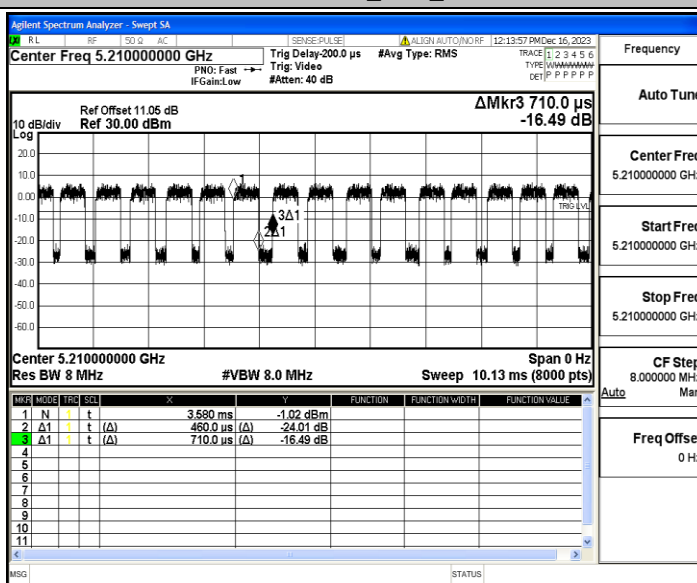
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11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210

