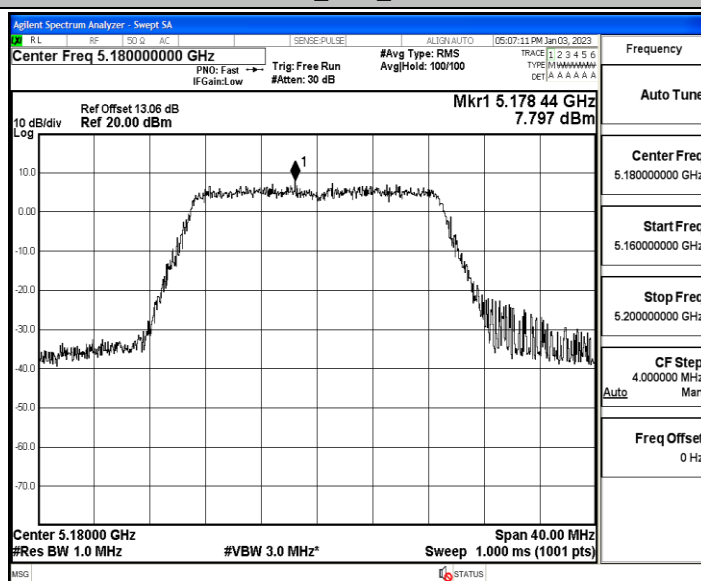
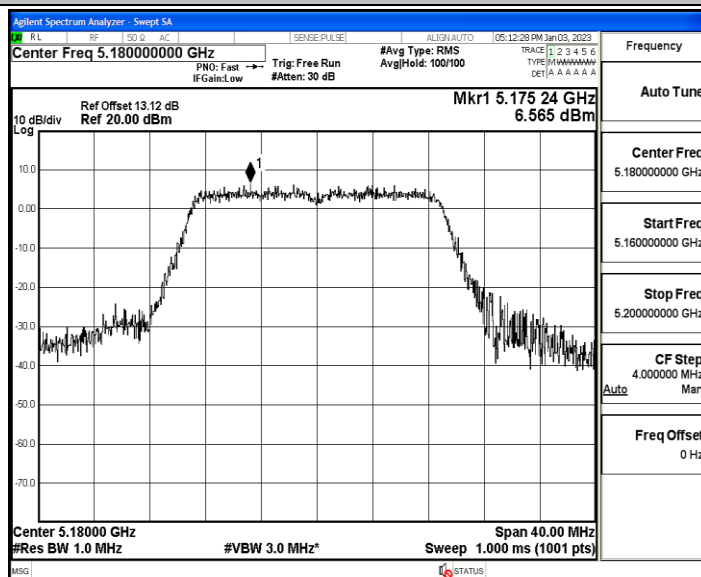


Test Graphs

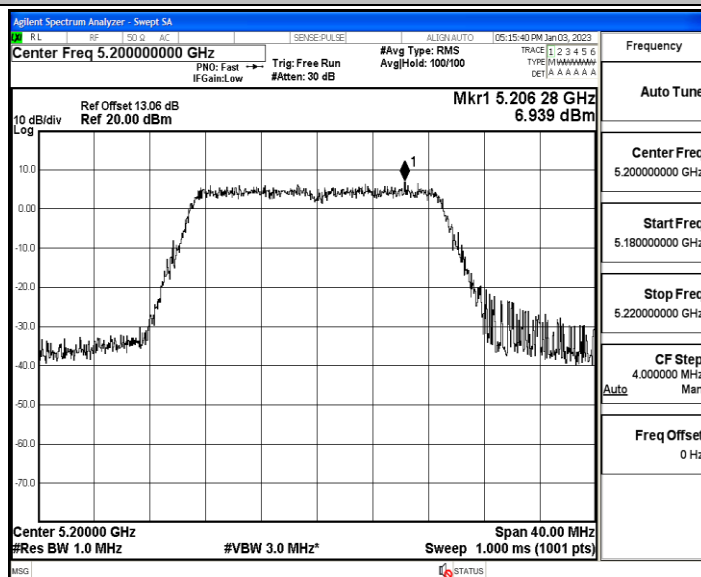
11A_Ant1_5180



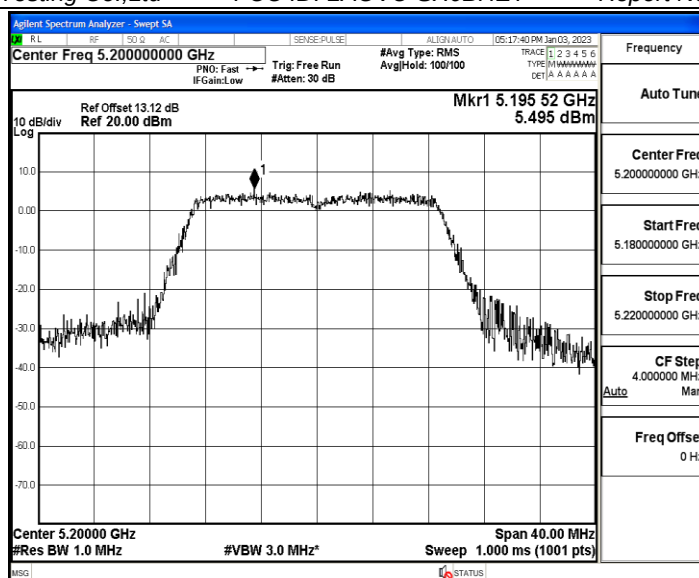
11A_Ant2_5180



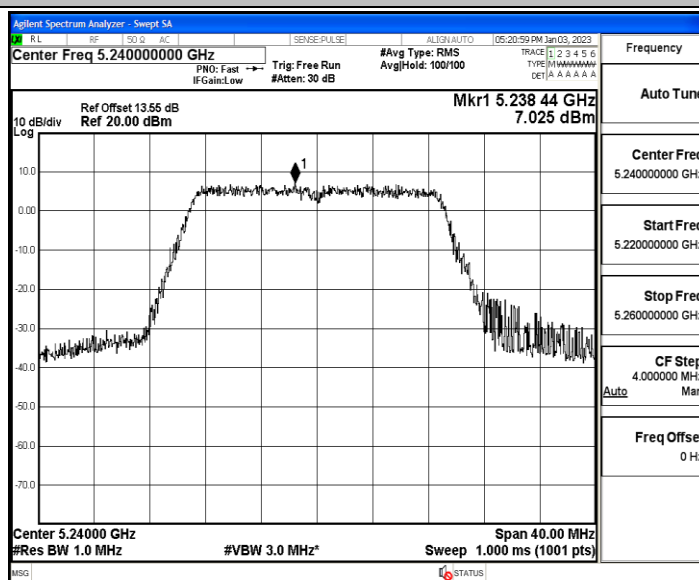
11A_Ant1_5200



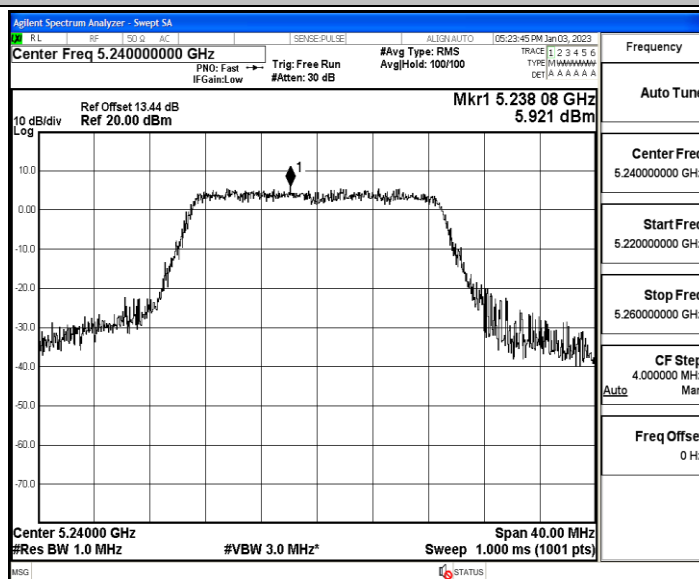
11A_Ant2_5200



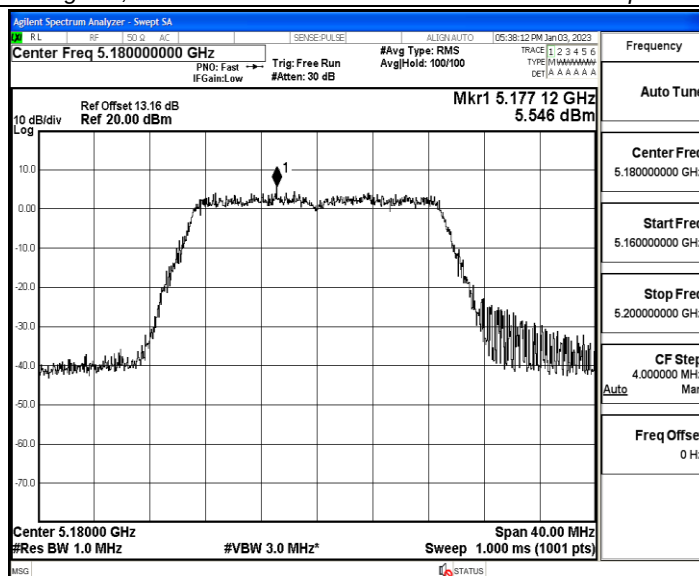
11A_Ant1_5240



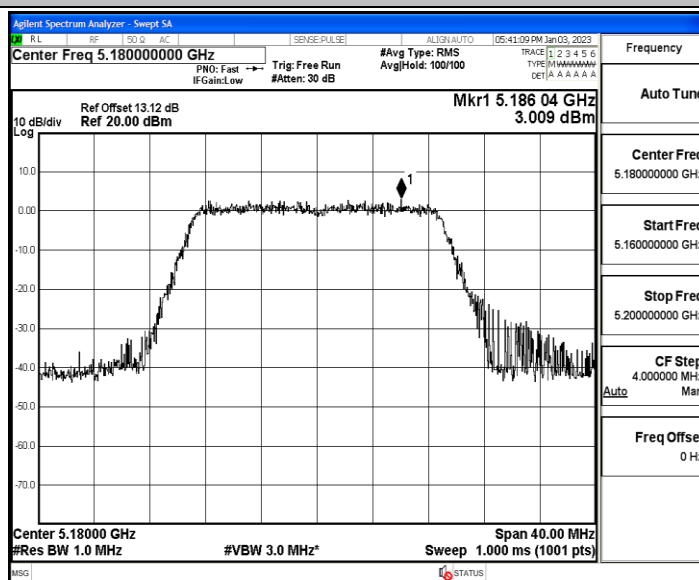
11A_Ant2_5240



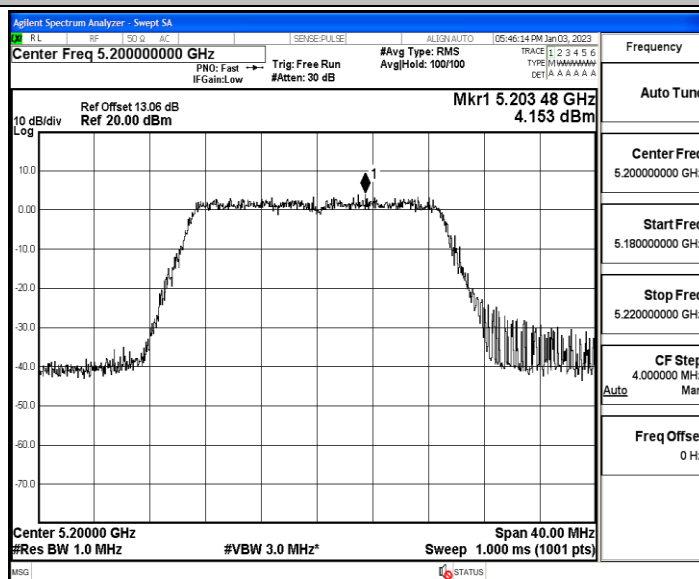
11N20MIMO_Ant1_5180



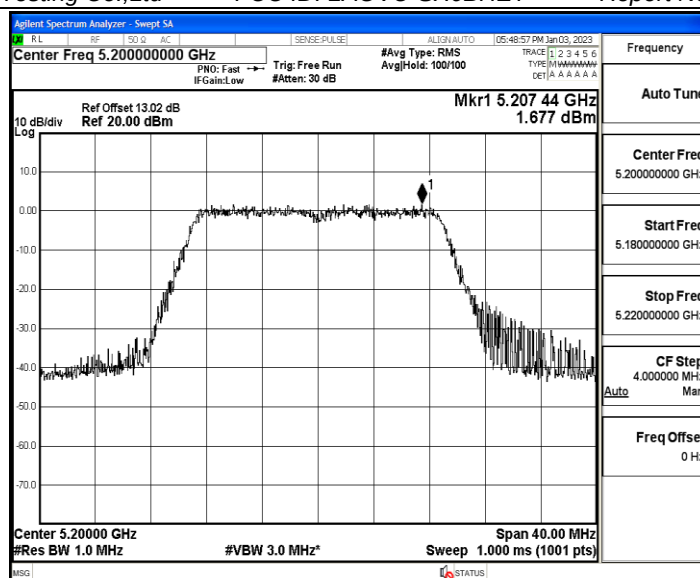
11N20MIMO_Ant2_5180



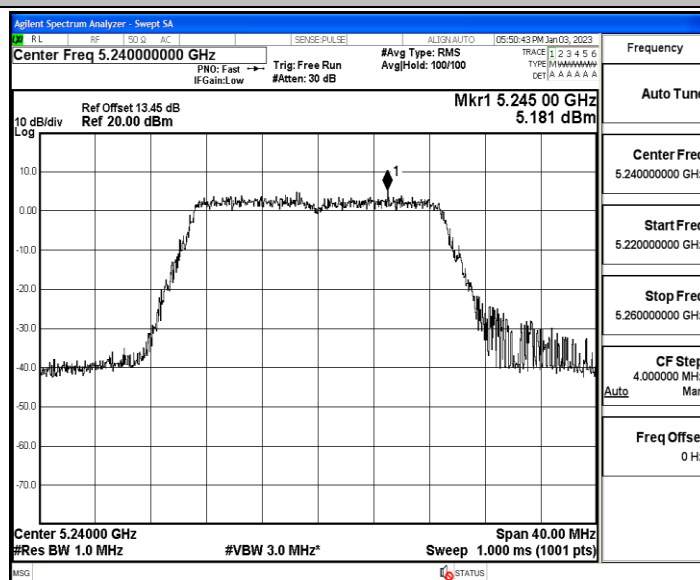
11N20MIMO_Ant1_5200



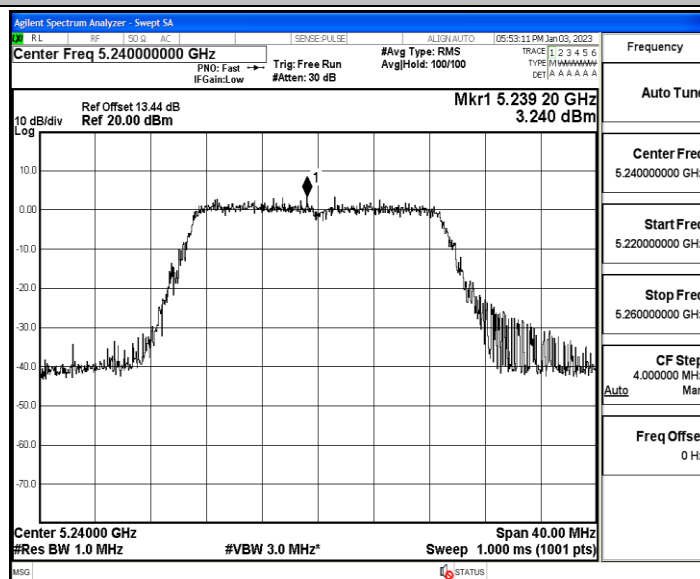
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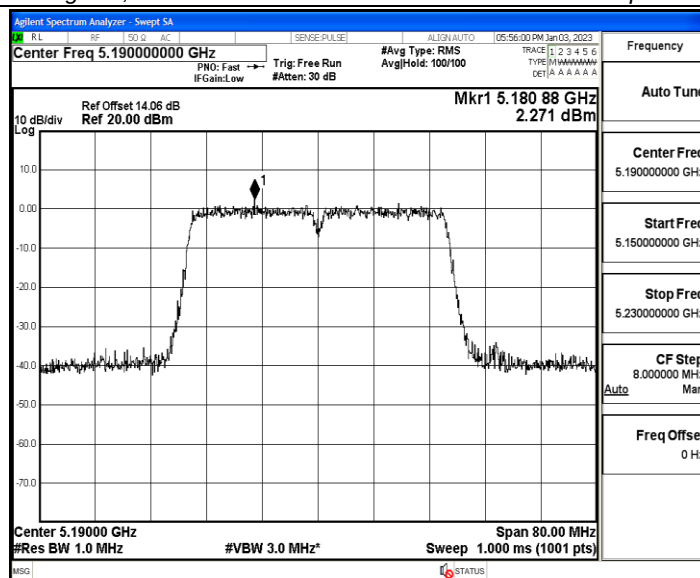
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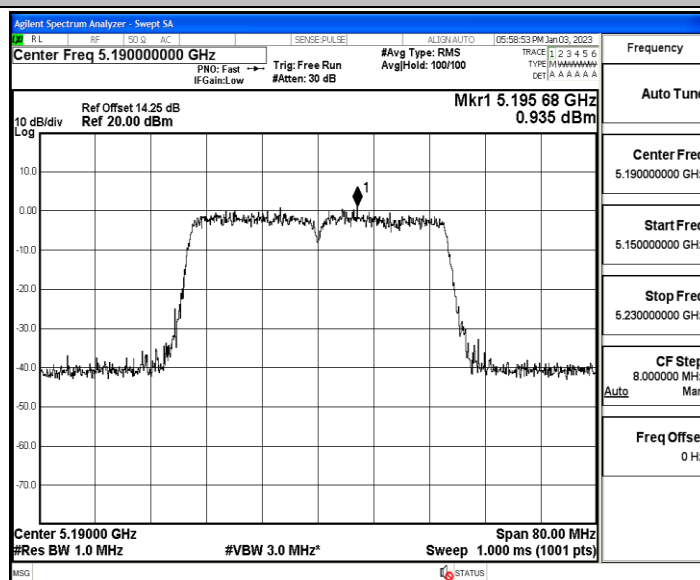
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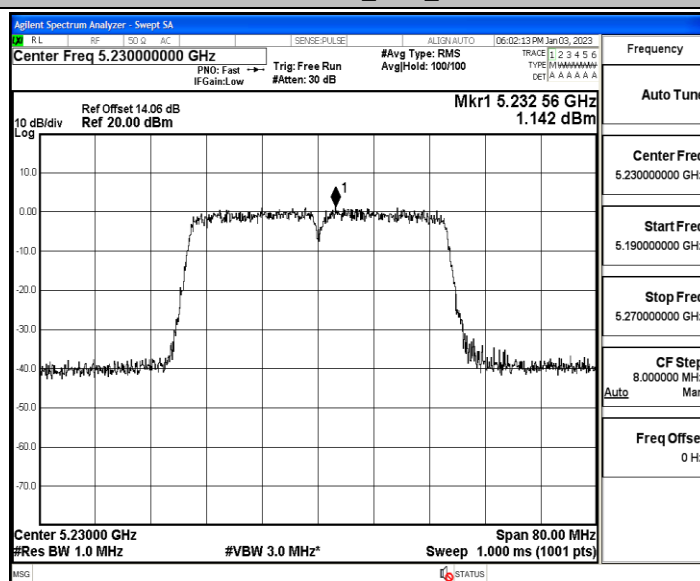
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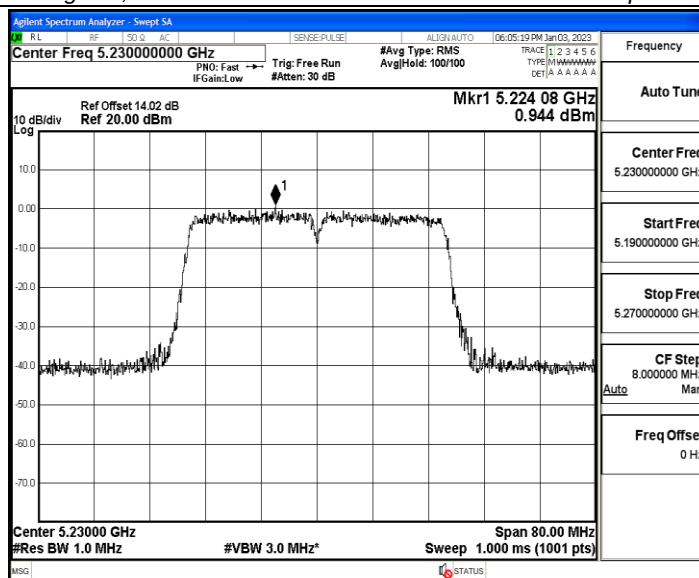
11N40MIMO_Ant2_5190



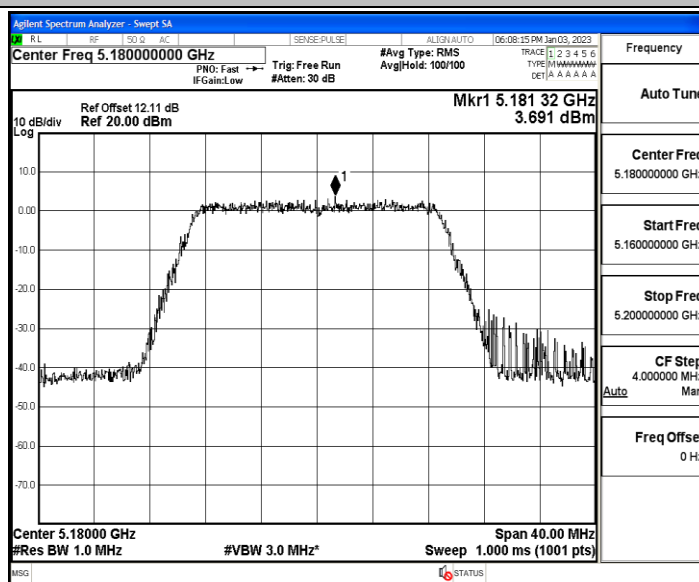
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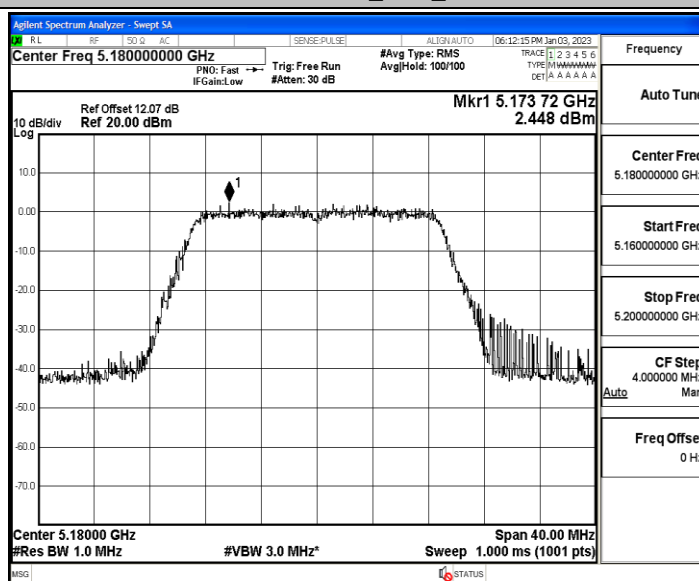
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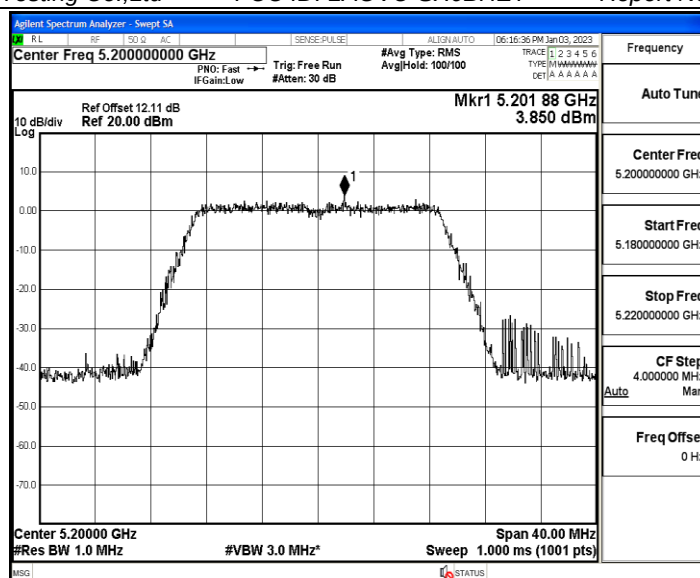
11AC20MIMO_Ant1_5180



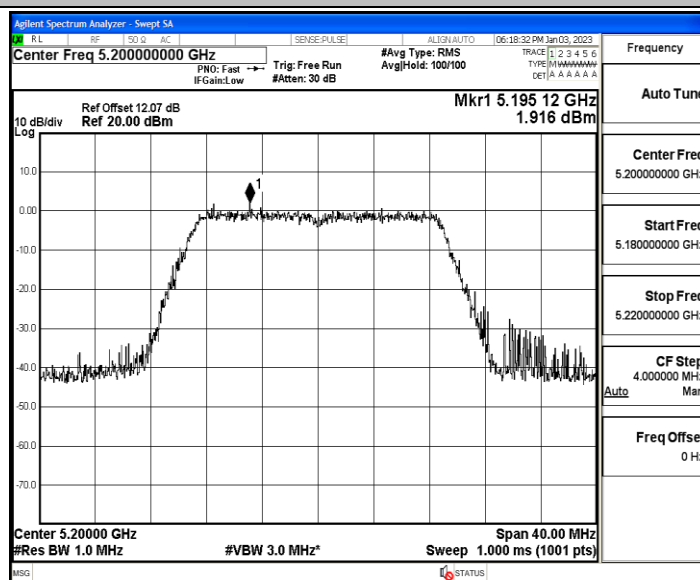
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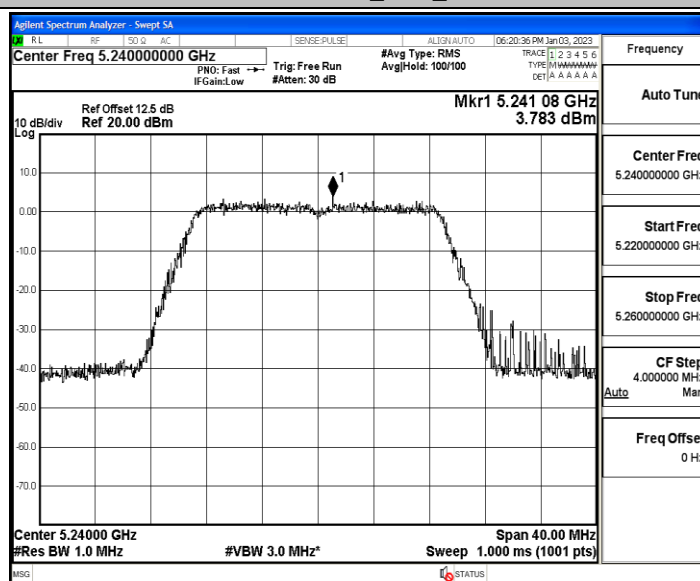
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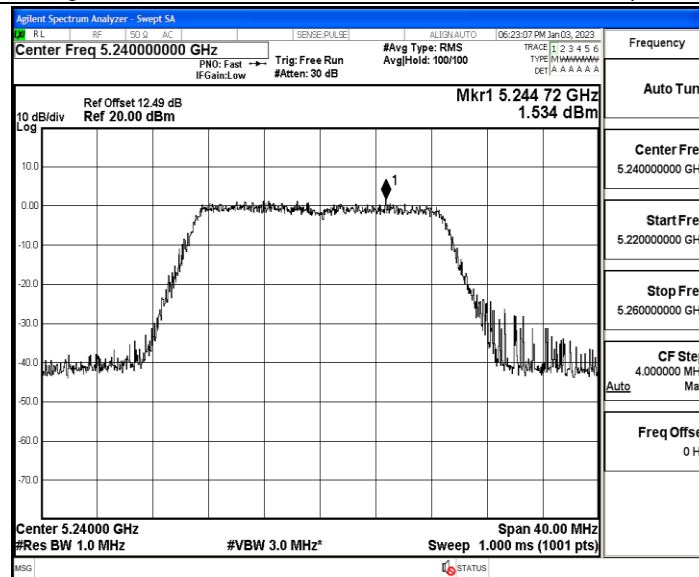
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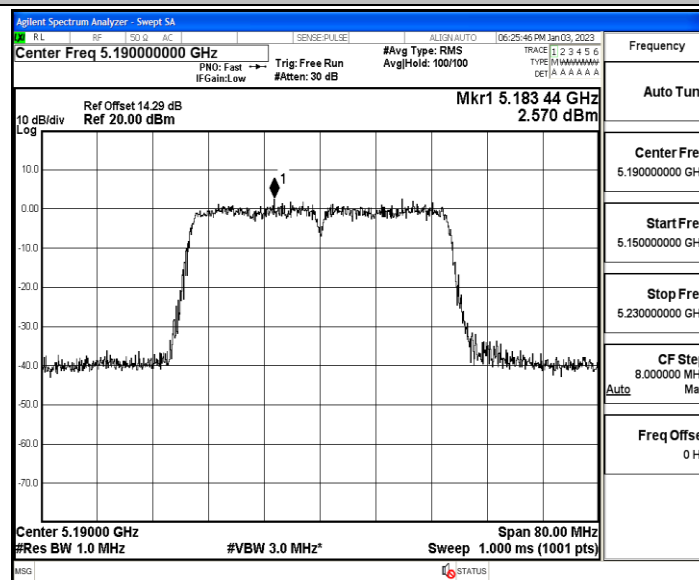
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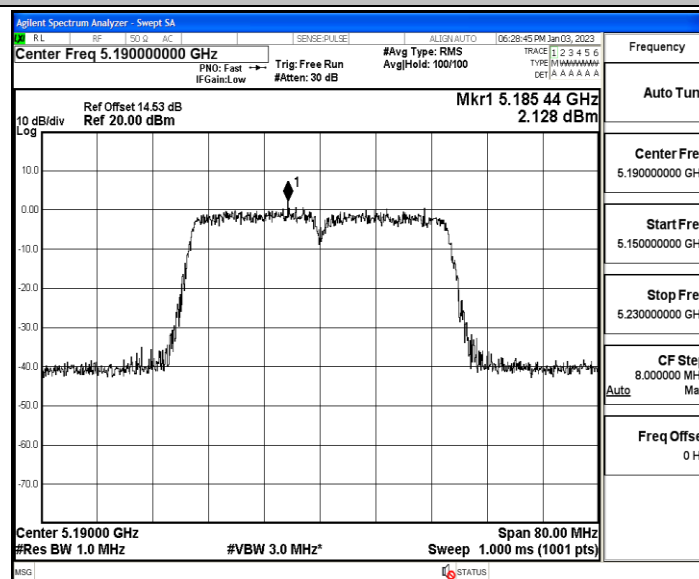
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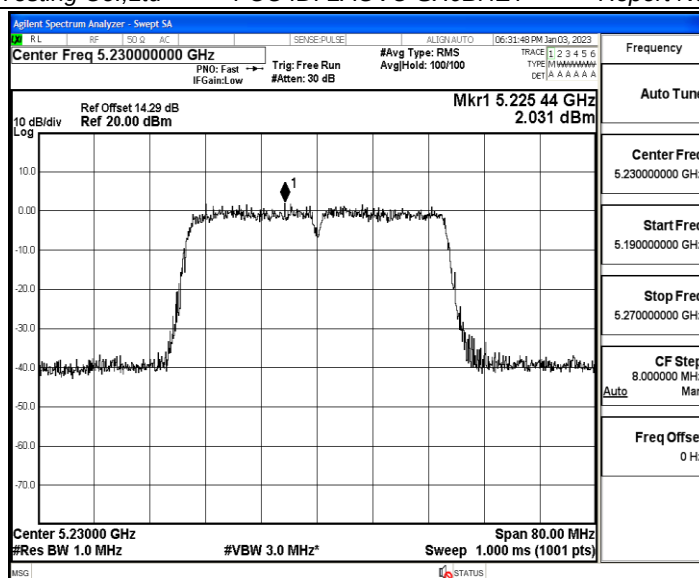
11AC40MIMO_Ant1_5190



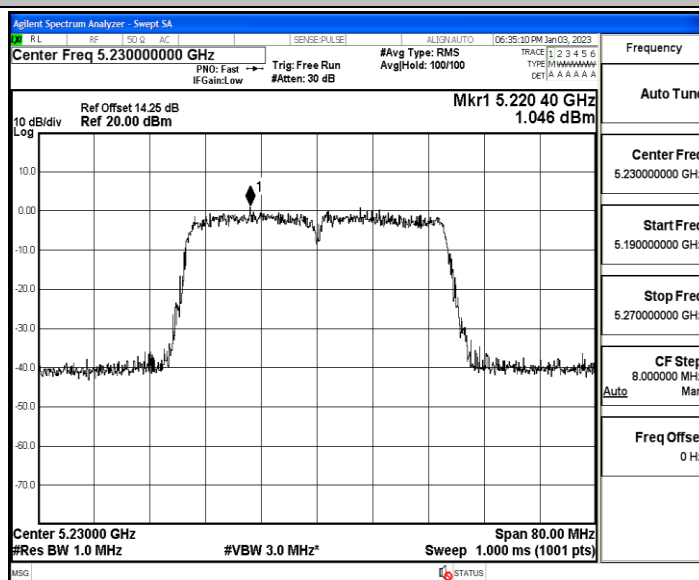
11AC40MIMO_Ant2_5190



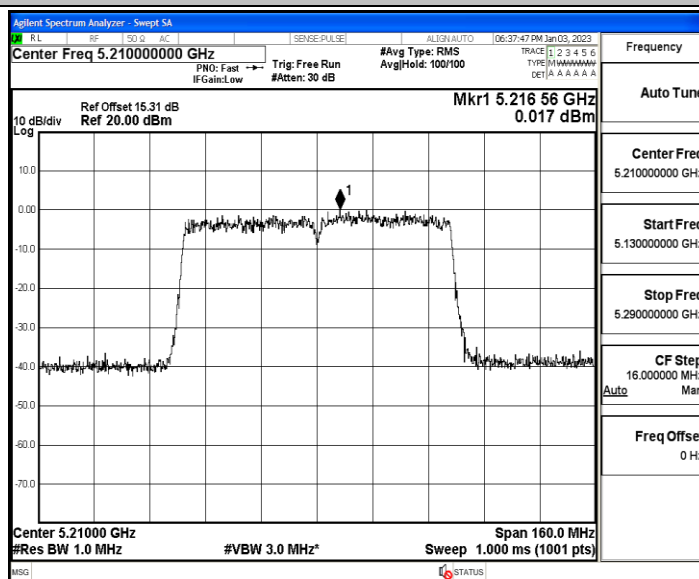
11AC40MIMO_Ant1_5230



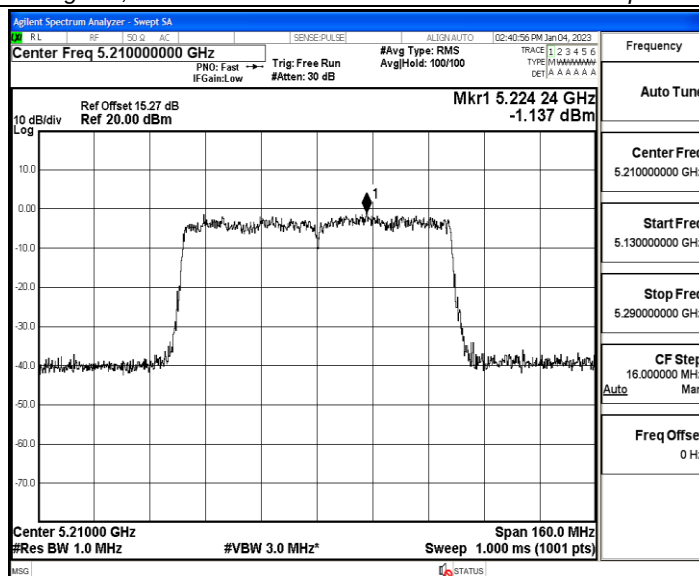
11AC40MIMO_Ant2_5230



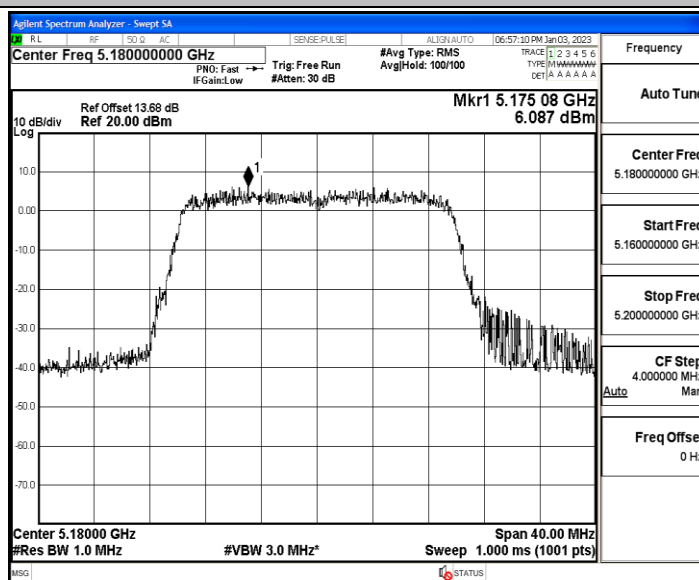
11AC80MIMO_Ant1_5210



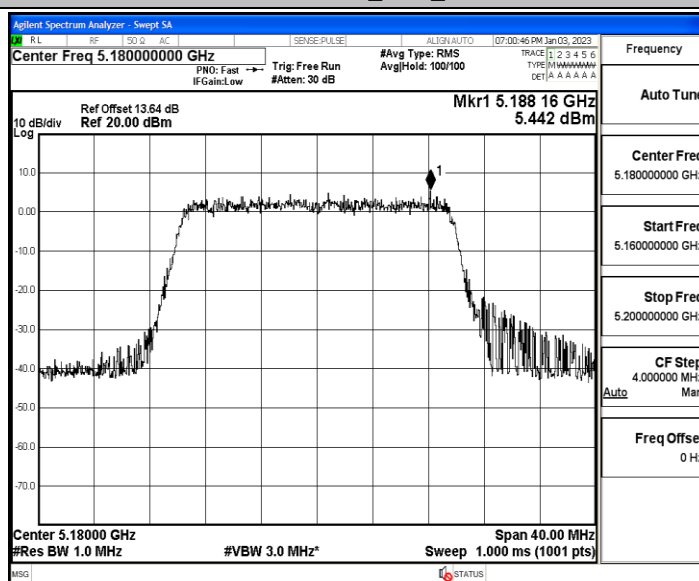
11AC80MIMO_Ant2_5210



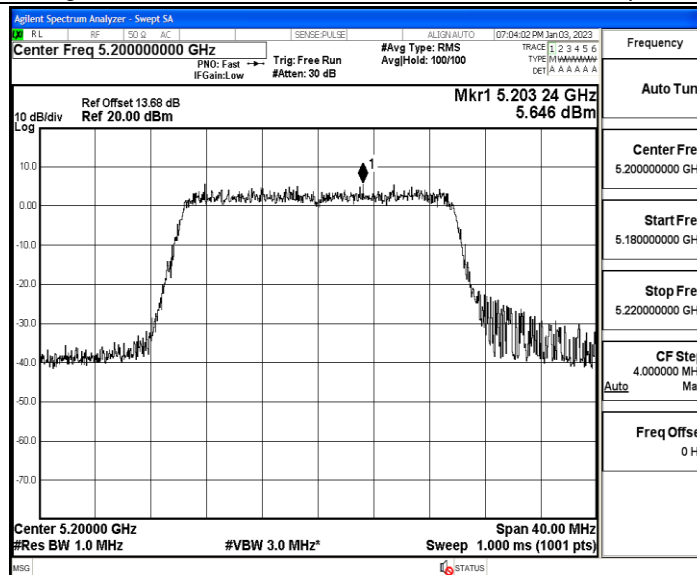
11AX20MIMO_Ant1_5180



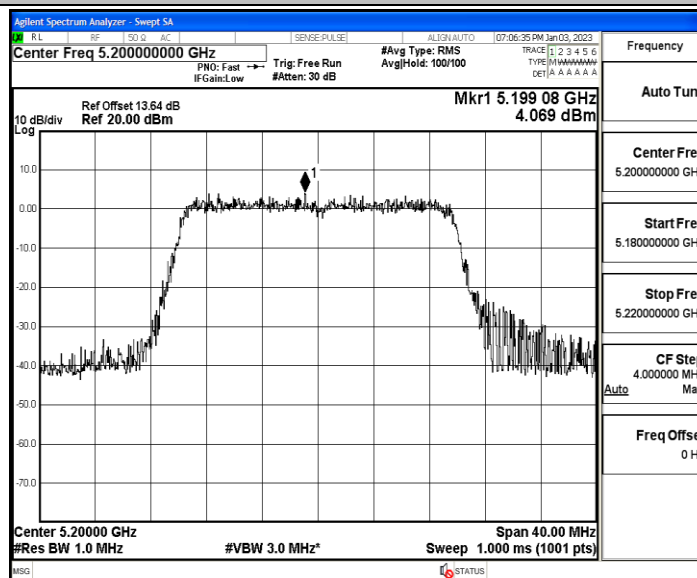
11AX20MIMO_Ant2_5180



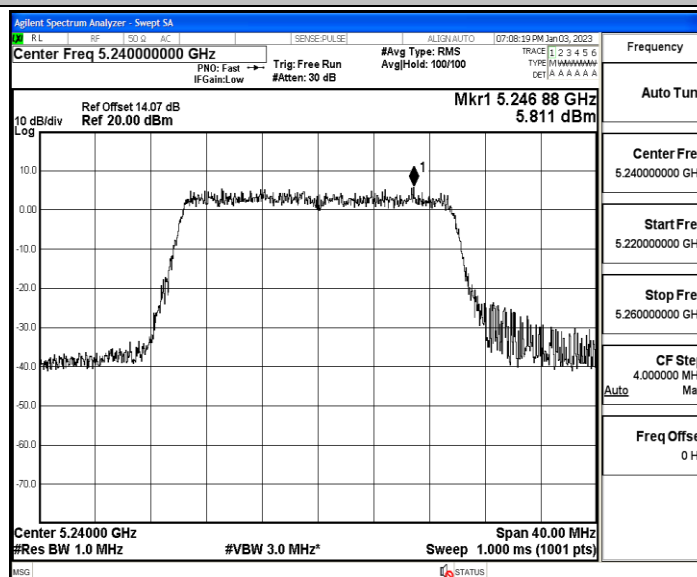
11AX20MIMO_Ant1_5200



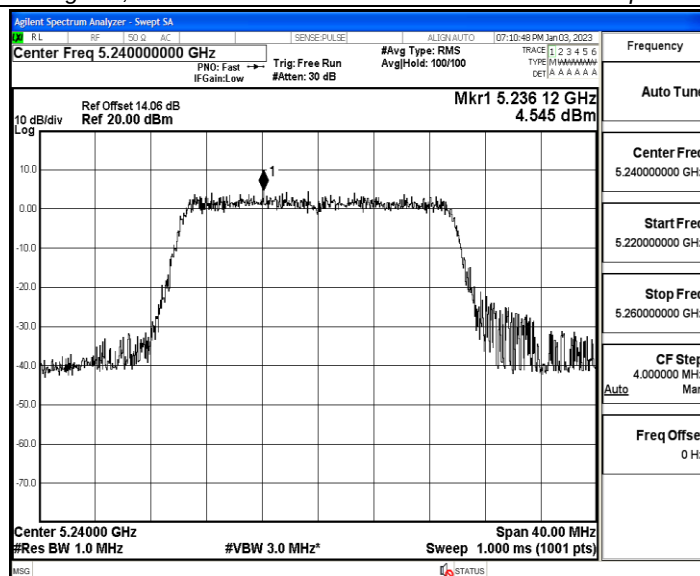
11AX20MIMO_Ant2_5200



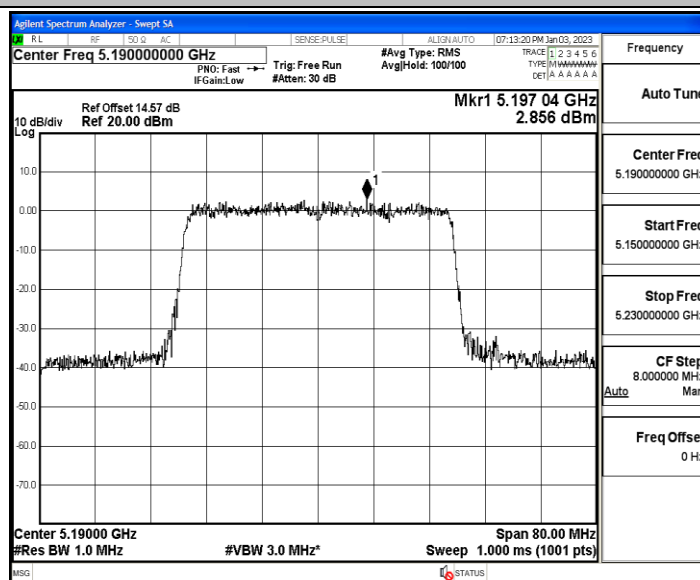
11AX20MIMO_Ant1_5240



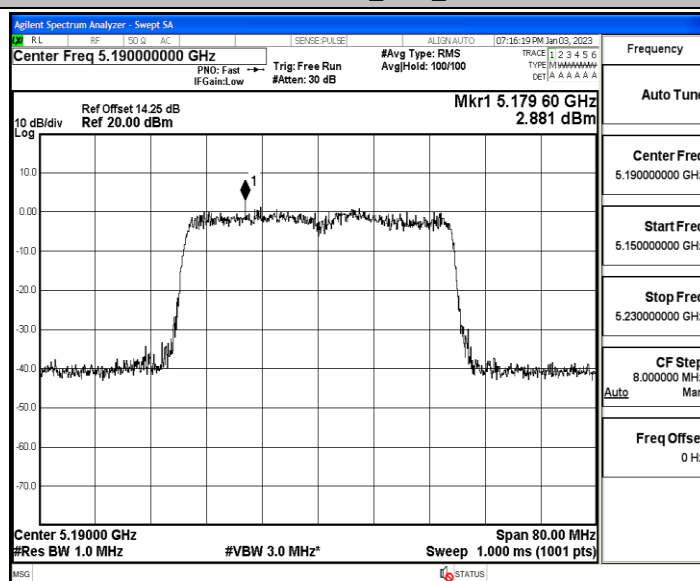
11AX20MIMO_Ant2_5240



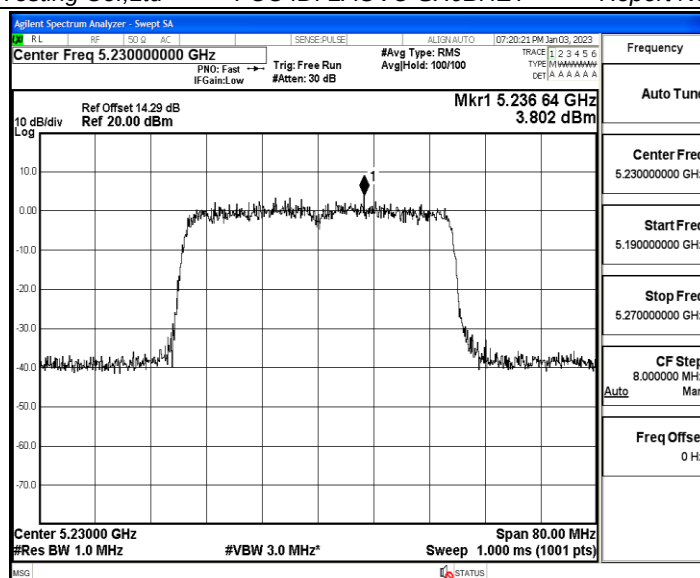
11AX40MIMO_Ant1_5190



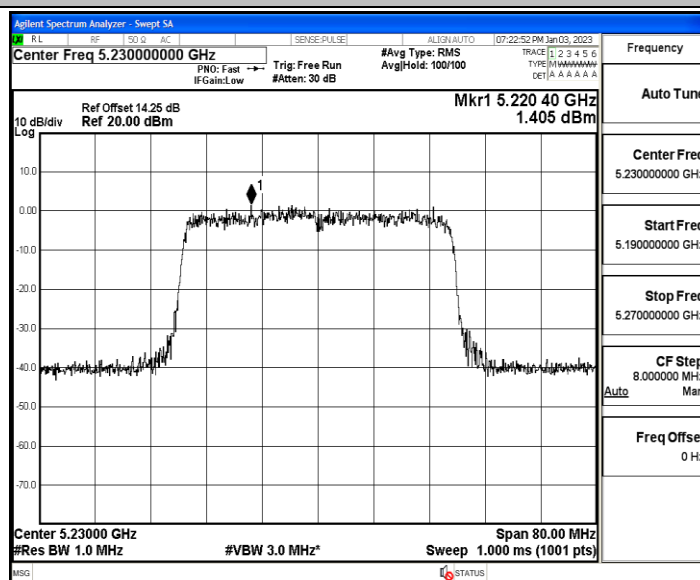
11AX40MIMO_Ant2_5190



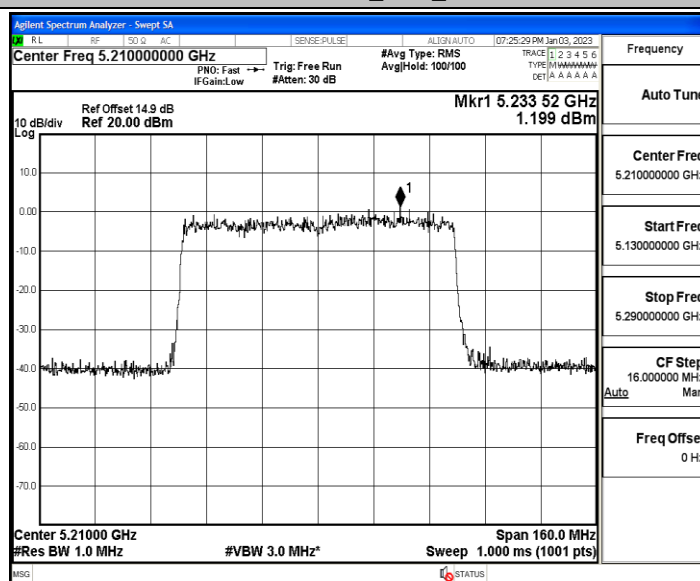
11AX40MIMO_Ant1_5230



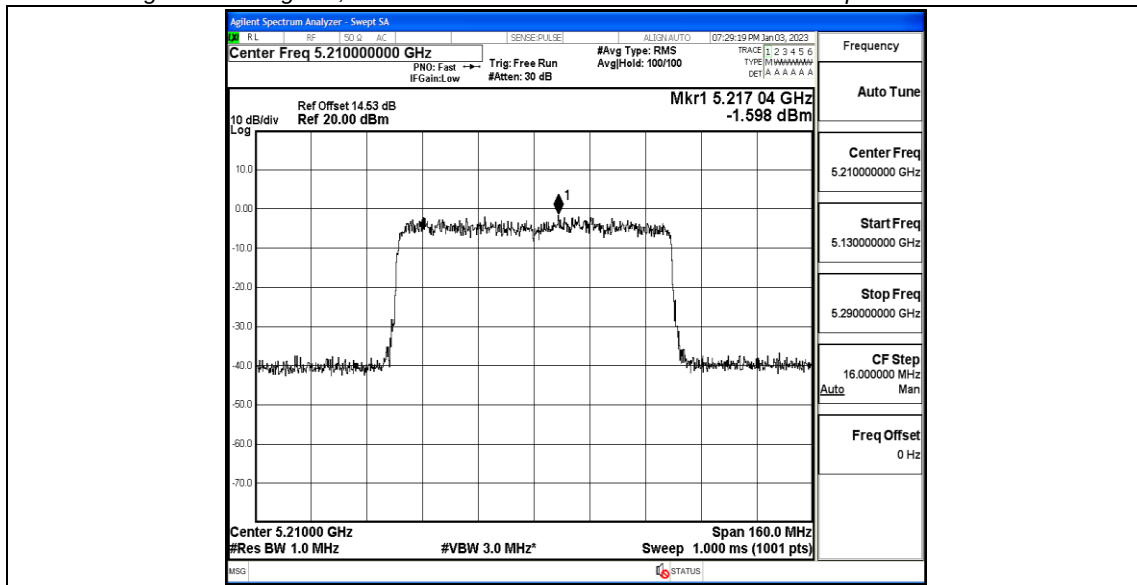
11AX40MIMO_Ant2_5230



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



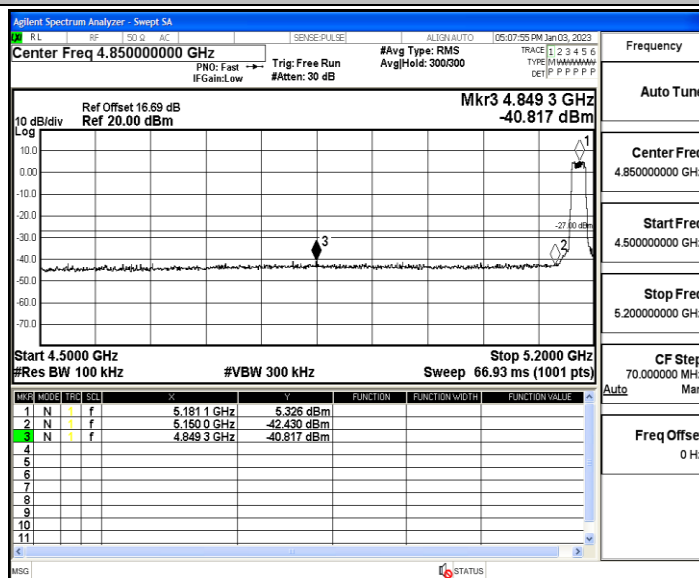
Appendix D: Band edge measurements

Test Result

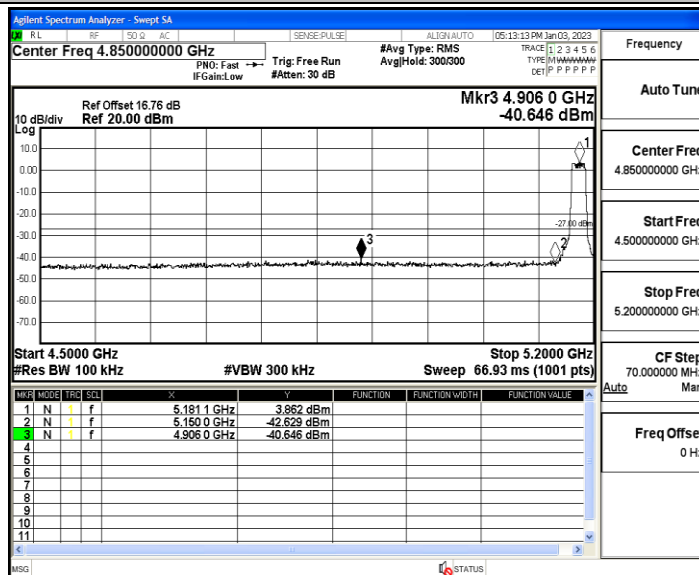
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-40.82	≤ -27	PASS
	Ant2	Low	5180	-40.65	≤ -27	PASS
	Ant1	High	5240	-40.57	≤ -27	PASS
	Ant2	High	5240	-41.44	≤ -27	PASS
11N20MIMO	Ant1	Low	5180	-41.36	≤ -27	PASS
	Ant2	Low	5180	-41.21	≤ -27	PASS
	Ant1	High	5240	-40.64	≤ -27	PASS
	Ant2	High	5240	-40.6	≤ -27	PASS
11N40MIMO	Ant1	Low	5190	-41.51	≤ -27	PASS
	Ant2	Low	5190	-40.92	≤ -27	PASS
	Ant1	High	5230	-41.42	≤ -27	PASS
	Ant2	High	5230	-41.24	≤ -27	PASS
11AC20MIMO	Ant1	Low	5180	-41.33	≤ -27	PASS
	Ant2	Low	5180	-41.18	≤ -27	PASS
	Ant1	High	5240	-41.16	≤ -27	PASS
	Ant2	High	5240	-41.43	≤ -27	PASS
11AC40MIMO	Ant1	Low	5190	-40.73	≤ -27	PASS
	Ant2	Low	5190	-41.26	≤ -27	PASS
	Ant1	High	5230	-41.39	≤ -27	PASS
	Ant2	High	5230	-41.17	≤ -27	PASS
11AC80MIMO	Ant1	Low	5210	-41.39	≤ -27	PASS
	Ant2	Low	5210	-41.15	≤ -27	PASS
	Ant1	High	5210	-40.51	≤ -27	PASS
	Ant2	High	5210	-40.89	≤ -27	PASS
11AX20MIMO	Ant1	Low	5180	-41.03	≤ -27	PASS
	Ant2	Low	5180	-41.18	≤ -27	PASS
	Ant1	High	5240	-41.04	≤ -27	PASS
	Ant2	High	5240	-41.36	≤ -27	PASS
11AX40MIMO	Ant1	Low	5190	-41.09	≤ -27	PASS
	Ant2	Low	5190	-40.35	≤ -27	PASS
	Ant1	High	5230	-41.75	≤ -27	PASS
	Ant2	High	5230	-41.48	≤ -27	PASS
11AX80MIMO	Ant1	Low	5210	-41.33	≤ -27	PASS
	Ant2	Low	5210	-41.09	≤ -27	PASS
	Ant1	High	5210	-41.35	≤ -27	PASS
	Ant2	High	5210	-41.17	≤ -27	PASS

Test Graphs

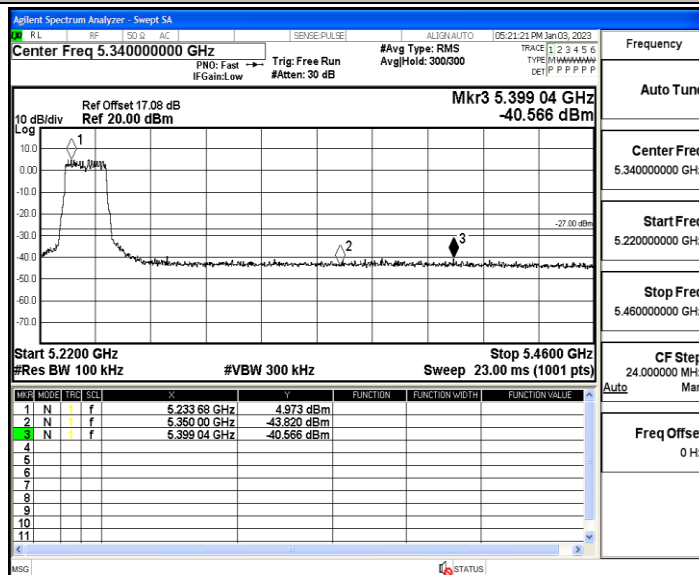
11A_Ant1_Low_5180



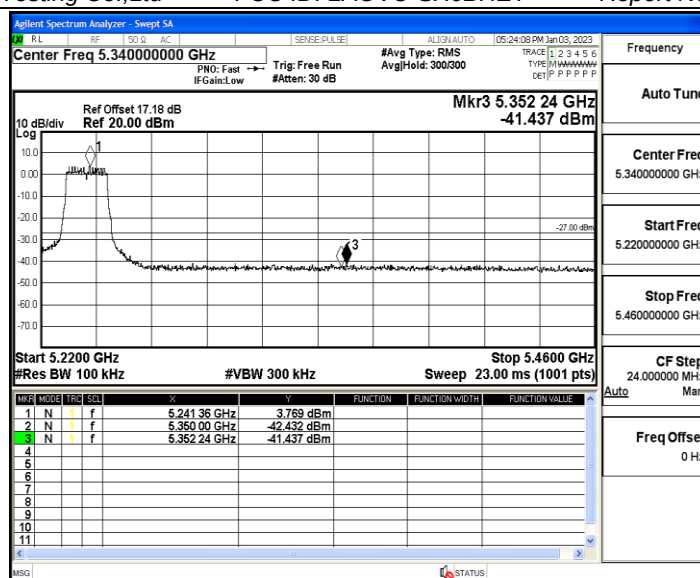
11A_Ant2_Low_5180



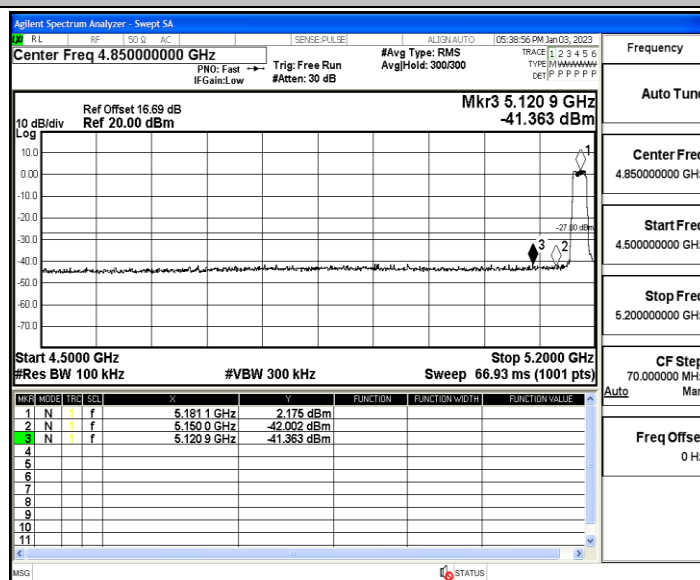
11A_Ant1_High_5240



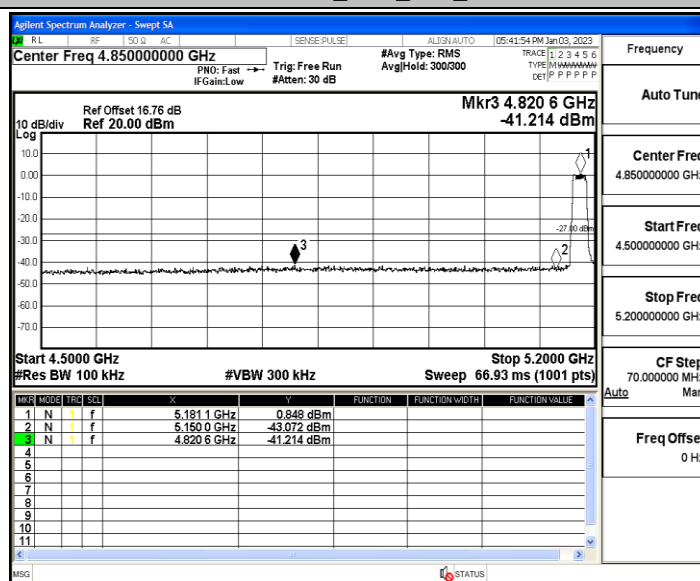
11A_Ant2_High_5240



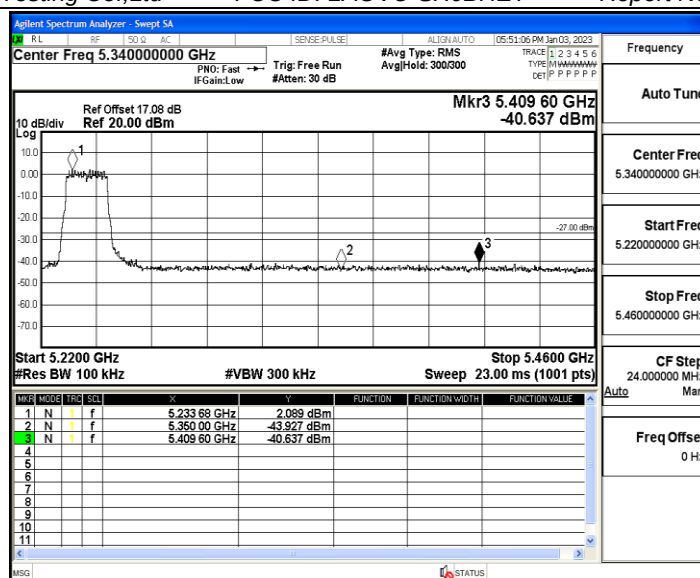
11N20MIMO_Ant1_Low_5180



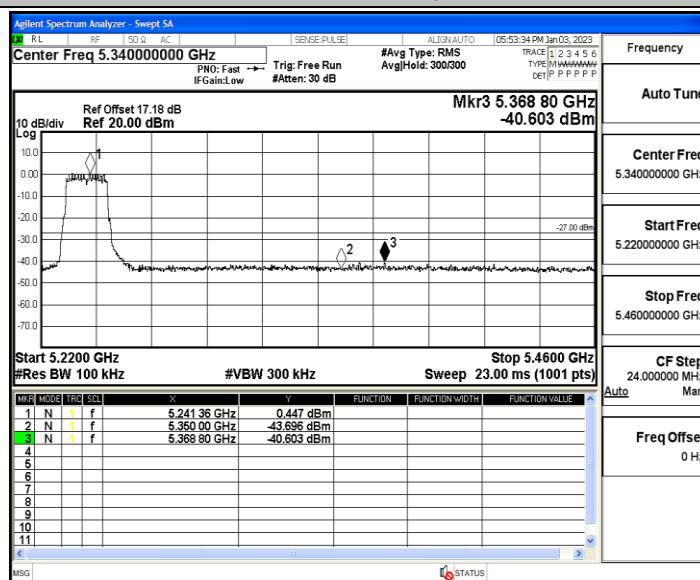
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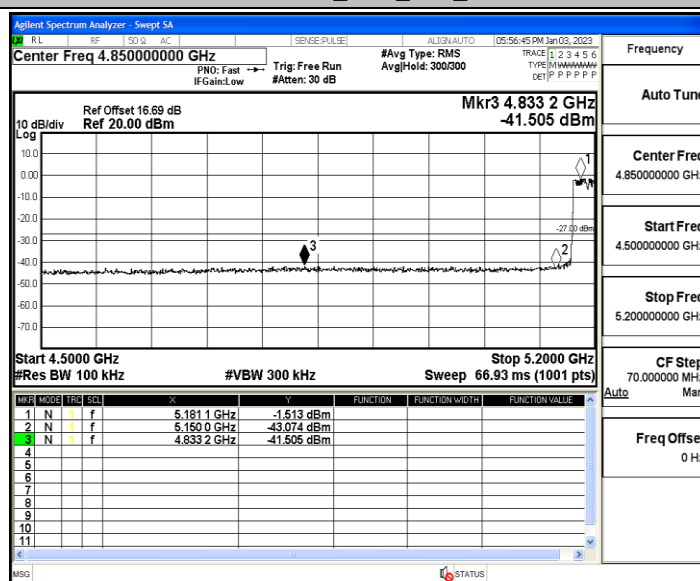
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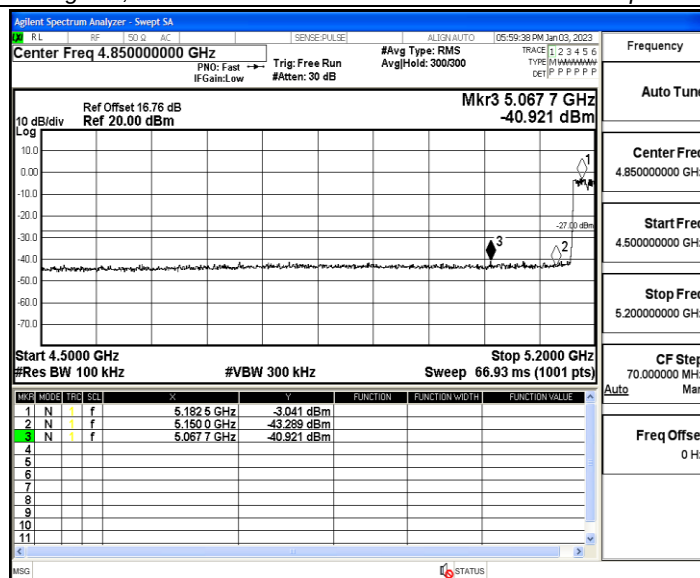
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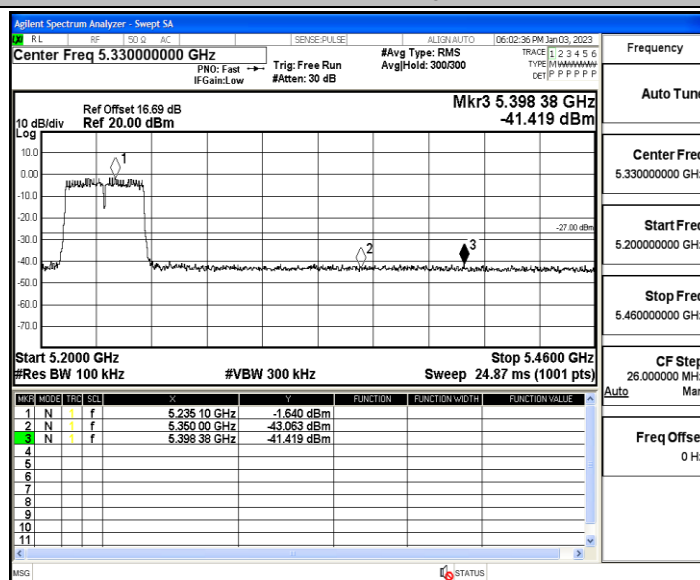
11N40MIMO_Ant1_Low_5190



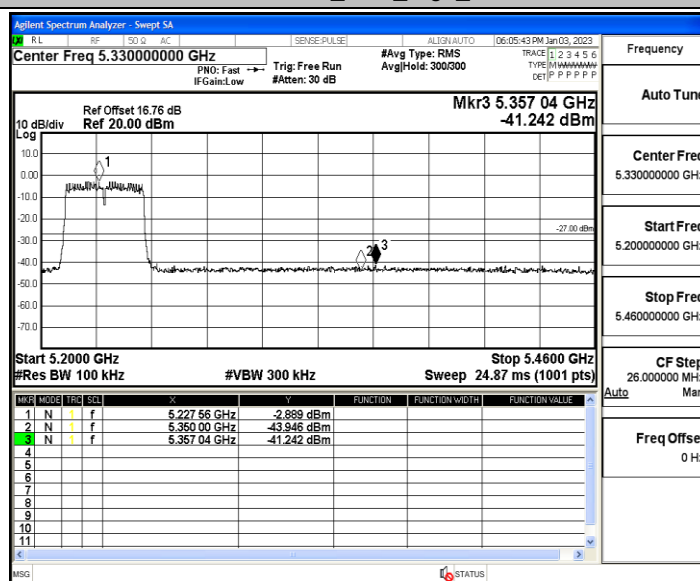
11N40MIMO_Ant2_Low_5190



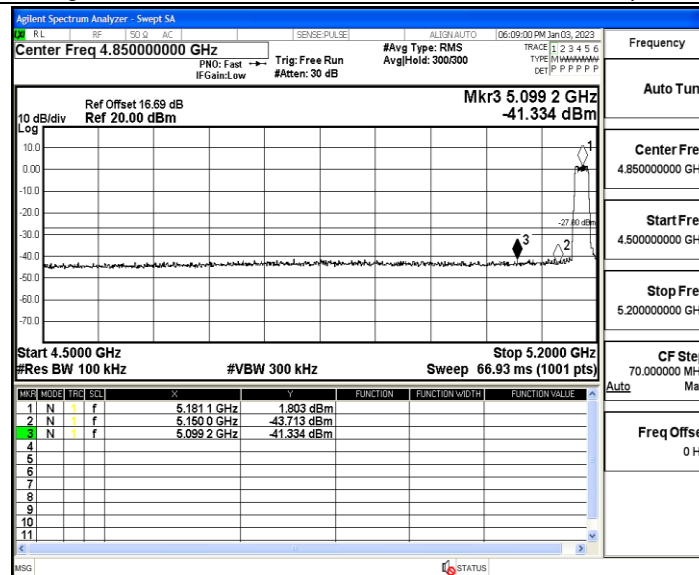
11N40MIMO_Ant1_High_5230



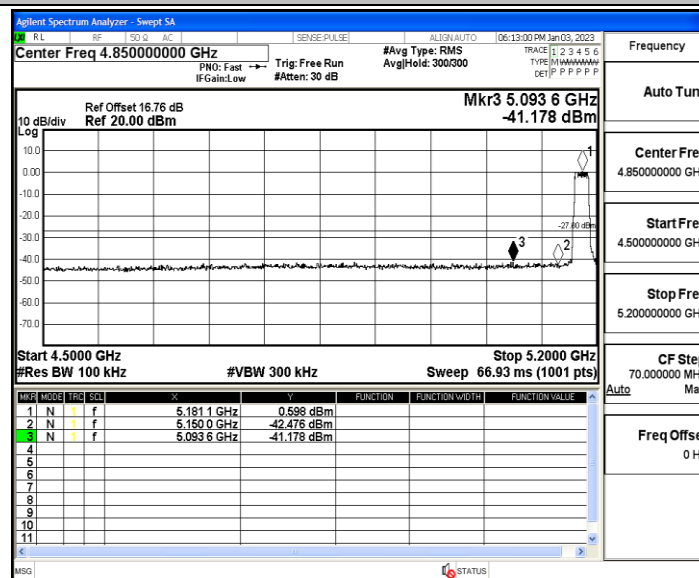
11N40MIMO_Ant2_High_5230



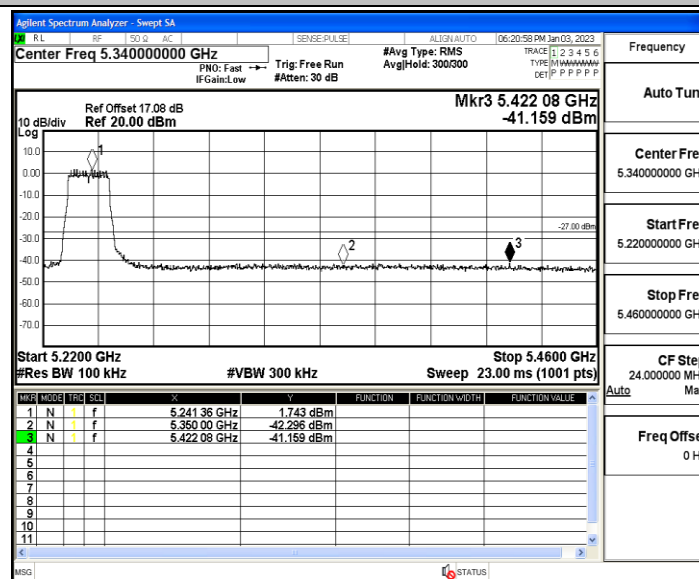
11AC20MIMO_Ant1_Low_5180



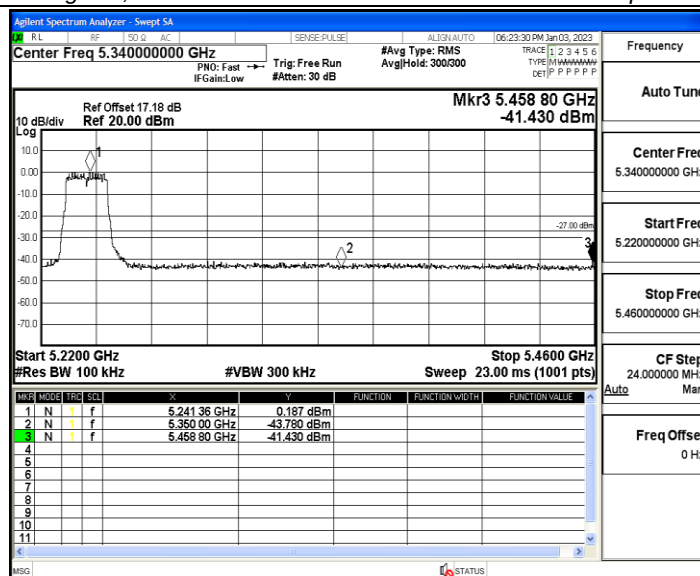
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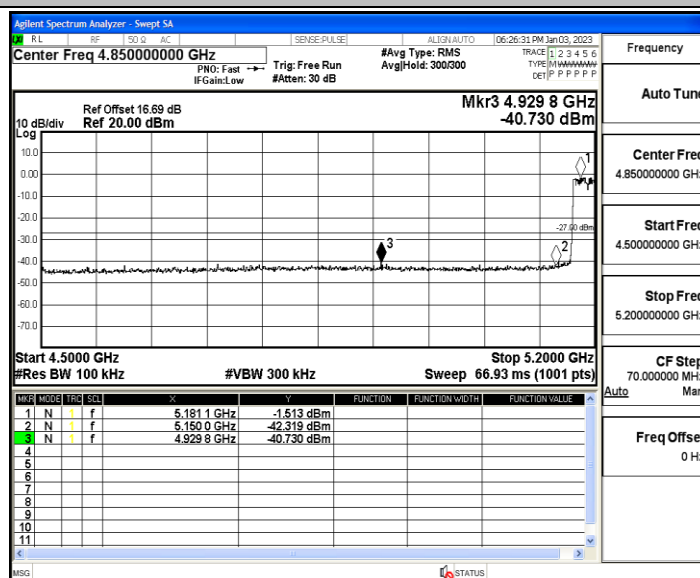
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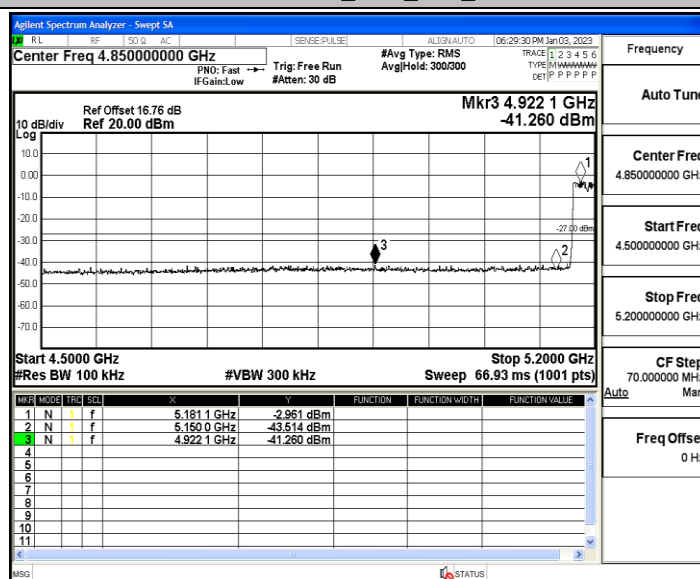
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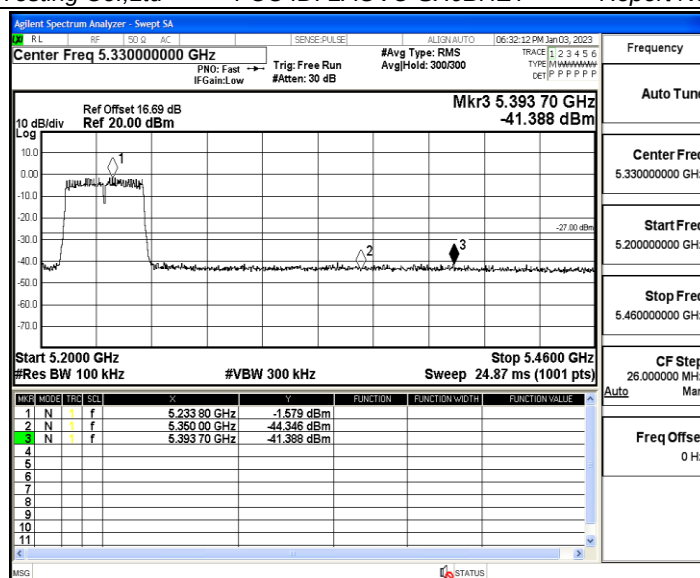
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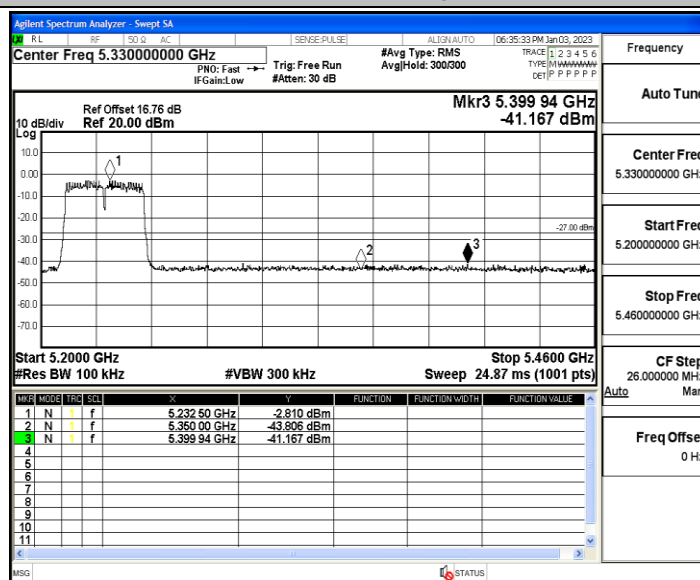
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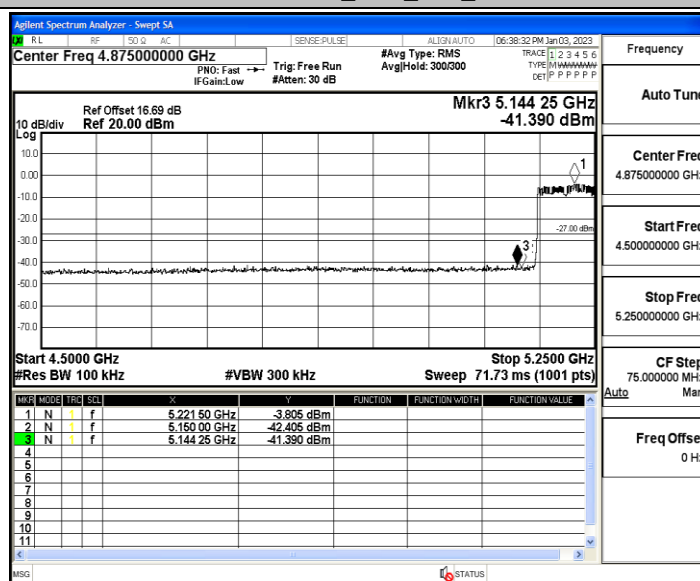
11AC40MIMO_Ant1_High_5230



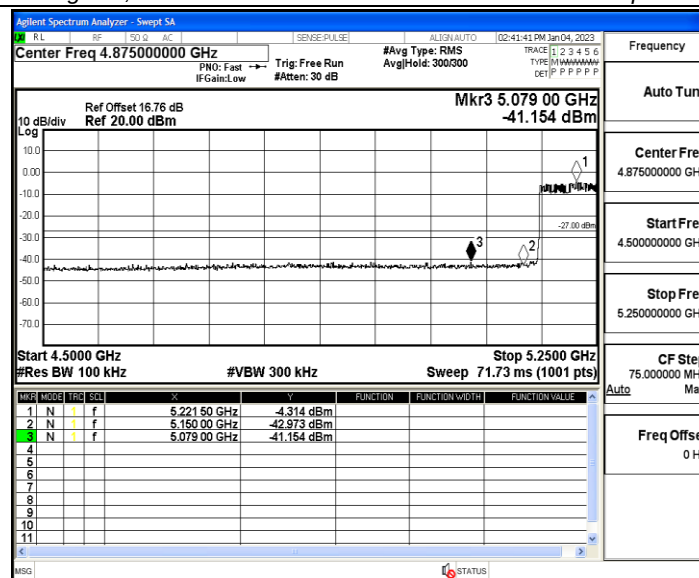
11AC40MIMO_Ant2_High_5230



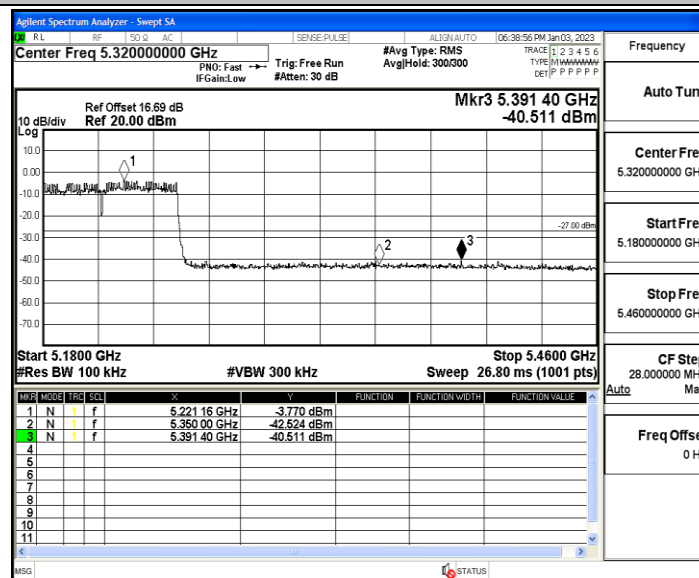
11AC80MIMO_Ant1_Low_5210



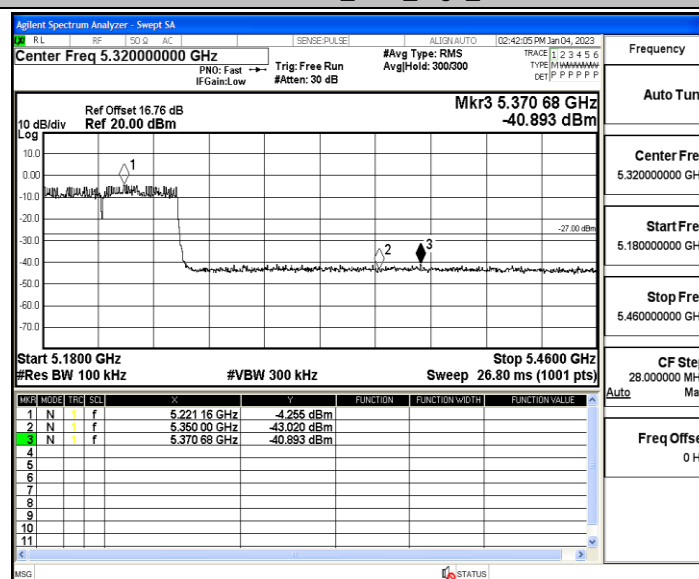
11AC80MIMO_Ant2_Low_5210



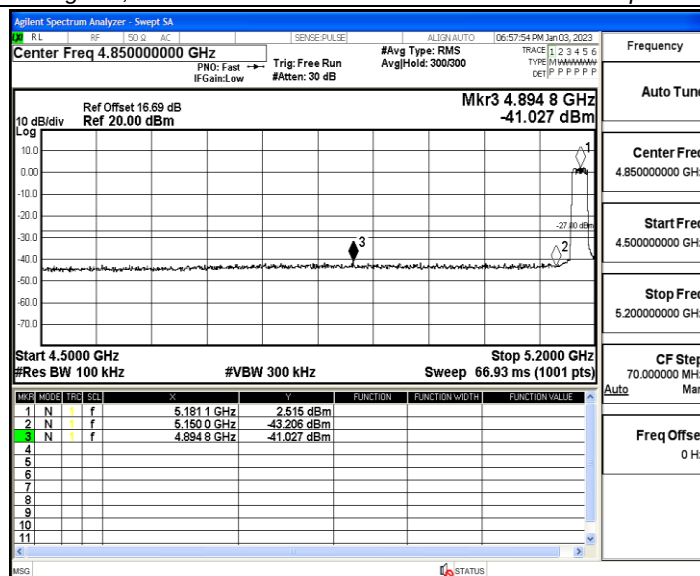
11AC80MIMO_Ant1_High_5210



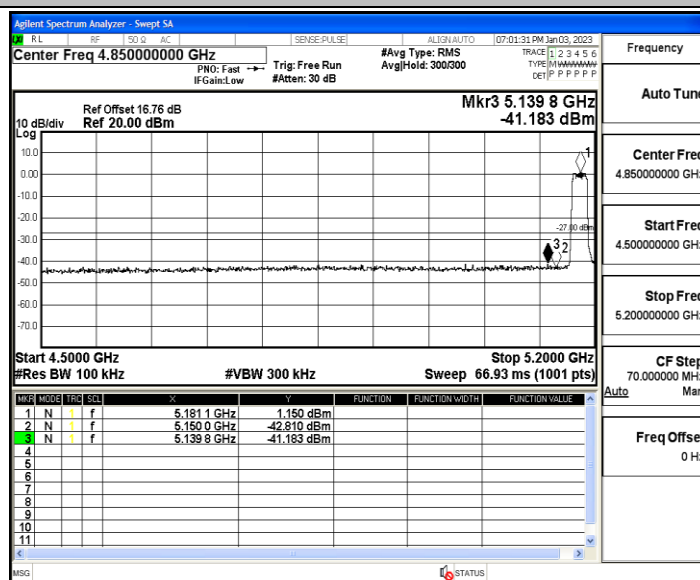
11AC80MIMO_Ant2_High_5210



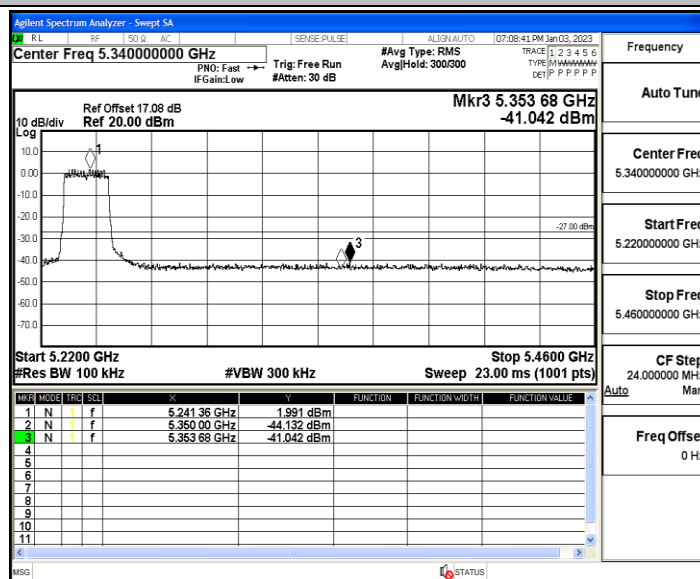
11AX20MIMO_Ant1_Low_5180



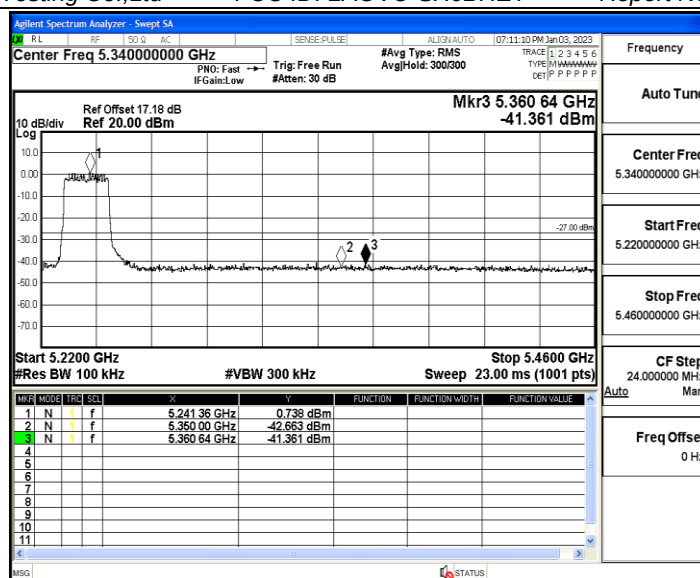
11AX20MIMO_Ant2_Low_5180



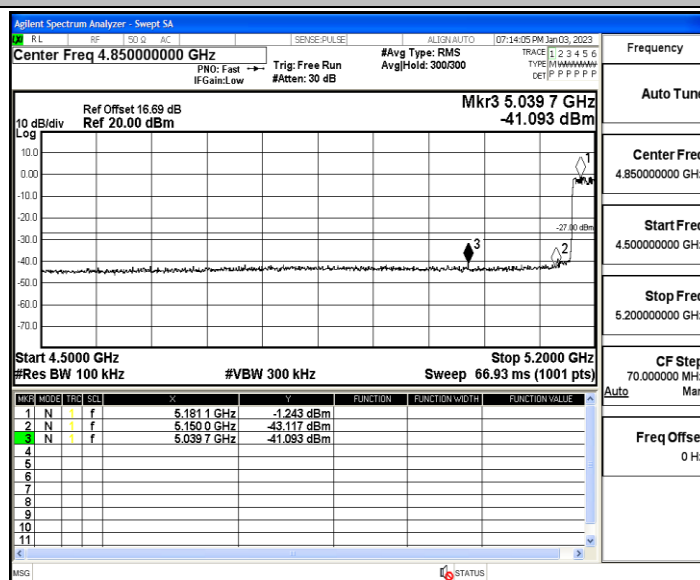
11AX20MIMO_Ant1_High_5240



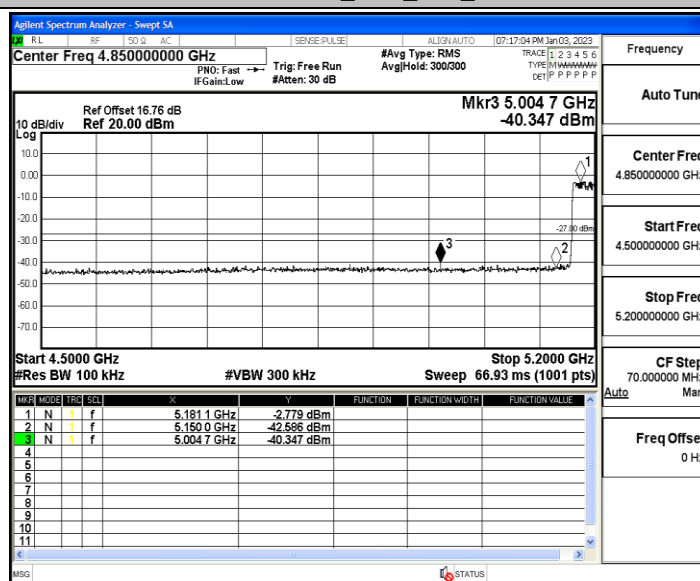
11AX20MIMO_Ant2_High_5240



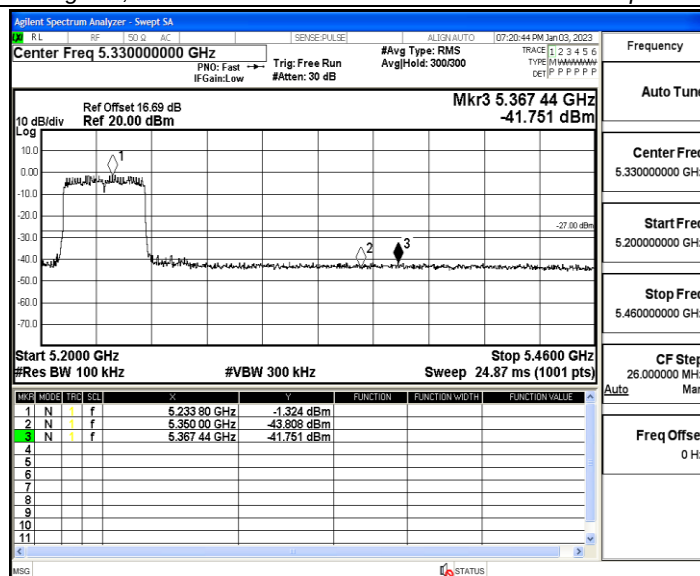
11AX40MIMO_Ant1_Low_5190



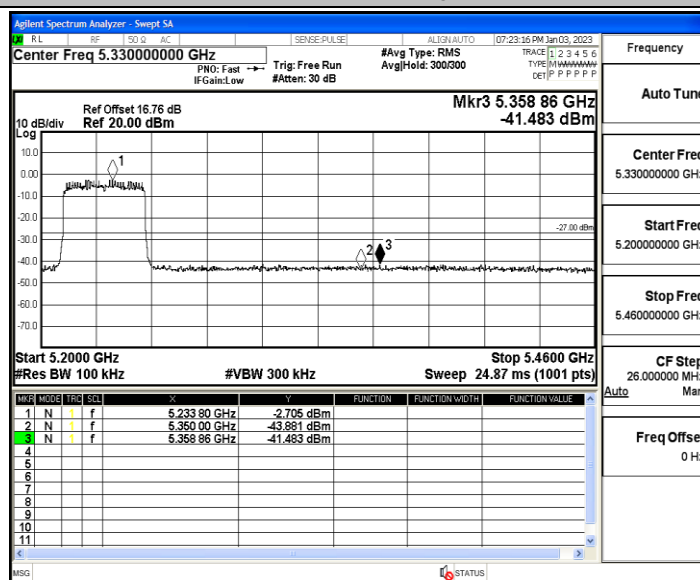
11AX40MIMO_Ant2_Low_5190



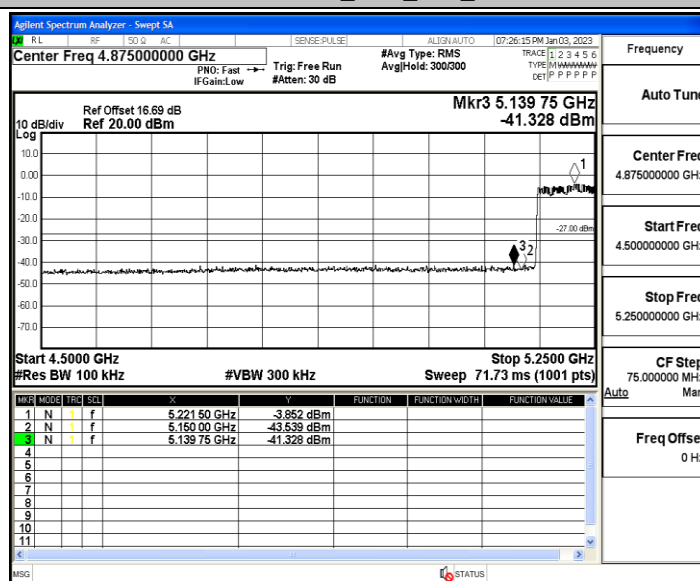
11AX40MIMO_Ant1_High_5230



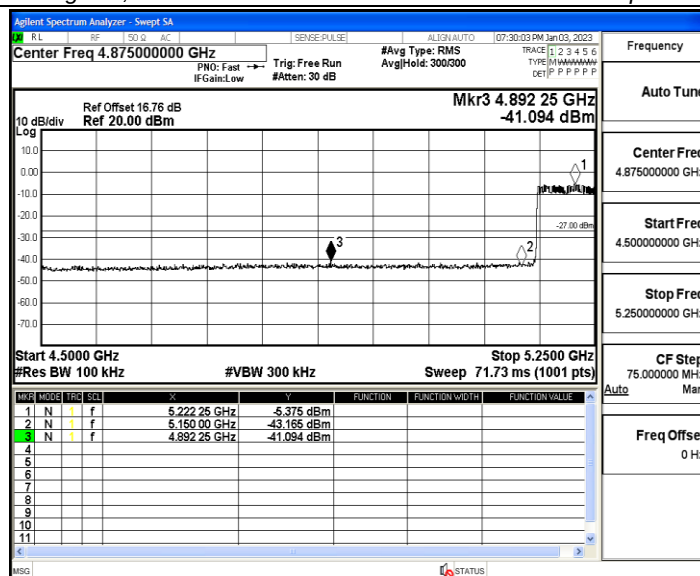
11AX40MIMO_Ant2_High_5230



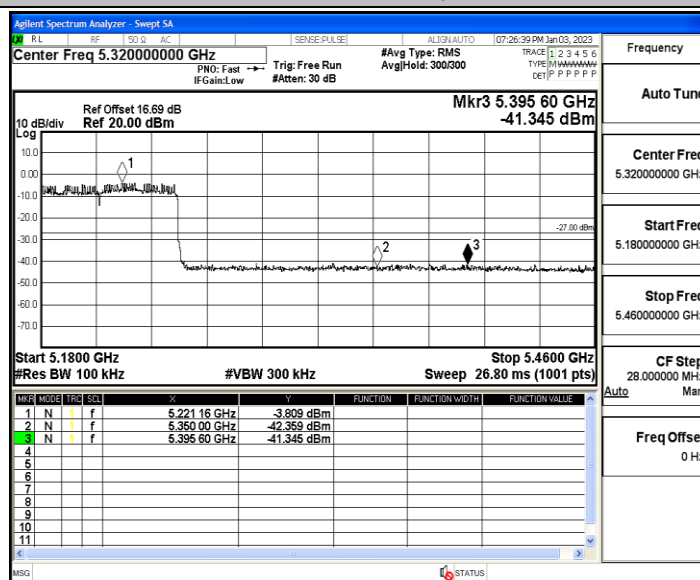
11AX80MIMO_Ant1_Low_5210



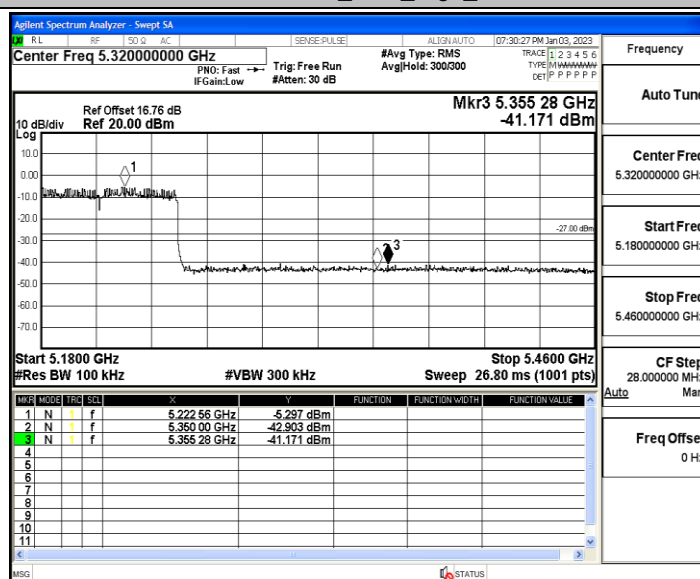
11AX80MIMO_Ant2_Low_5210



11AX80MIMO_Ant1_High_5210



11AX80MIMO_Ant2_High_5210



Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5180.035616	5150 – 5250	PASS
5180	20	108	5179.990431	5150 – 5250	PASS
5180	50	120	5180.088774	5150 – 5250	PASS
5180	40	120	5180.048804	5150 – 5250	PASS
5180	30	120	5180.071743	5150 – 5250	PASS
5180	20	120	5180.024768	5150 – 5250	PASS
5180	10	120	5179.960895	5150 – 5250	PASS
5180	0	120	5180.025594	5150 – 5250	PASS
5180	-10	120	5180.069930	5150 – 5250	PASS
5180	-20	120	5179.972022	5150 – 5250	PASS
5180	-30	120	5179.917196	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5180.044048	5150 – 5250	PASS
5180	20	108	5180.028934	5150 – 5250	PASS
5180	50	120	5179.944889	5150 – 5250	PASS
5180	40	120	5180.099132	5150 – 5250	PASS
5180	30	120	5180.093264	5150 – 5250	PASS
5180	20	120	5179.964537	5150 – 5250	PASS
5180	10	120	5179.904182	5150 – 5250	PASS
5180	0	120	5180.072460	5150 – 5250	PASS
5180	-10	120	5180.019582	5150 – 5250	PASS
5180	-20	120	5179.988147	5150 – 5250	PASS
5180	-30	120	5179.988150	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.020328	5150 – 5250	PASS
5200	20	108	5200.016821	5150 – 5250	PASS
5200	50	120	5199.904100	5150 – 5250	PASS
5200	40	120	5199.961902	5150 – 5250	PASS
5200	30	120	5200.092634	5150 – 5250	PASS
5200	20	120	5199.993277	5150 – 5250	PASS
5200	10	120	5199.949330	5150 – 5250	PASS
5200	0	120	5200.060919	5150 – 5250	PASS
5200	-10	120	5199.984317	5150 – 5250	PASS
5200	-20	120	5199.998375	5150 – 5250	PASS
5200	-30	120	5200.099305	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.016485	5150 – 5250	PASS
5200	20	108	5200.017305	5150 – 5250	PASS
5200	50	120	5200.088126	5150 – 5250	PASS
5200	40	120	5199.969525	5150 – 5250	PASS
5200	30	120	5199.974541	5150 – 5250	PASS
5200	20	120	5200.025367	5150 – 5250	PASS
5200	10	120	5200.047252	5150 – 5250	PASS
5200	0	120	5199.967900	5150 – 5250	PASS
5200	-10	120	5200.084288	5150 – 5250	PASS
5200	-20	120	5200.072842	5150 – 5250	PASS
5200	-30	120	5200.076710	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.991488	5150 – 5250	PASS
5240	20	108	5240.067743	5150 – 5250	PASS
5240	50	120	5239.996142	5150 – 5250	PASS
5240	40	120	5240.041885	5150 – 5250	PASS
5240	30	120	5239.992007	5150 – 5250	PASS
5240	20	120	5240.074917	5150 – 5250	PASS
5240	10	120	5240.065945	5150 – 5250	PASS
5240	0	120	5239.948737	5150 – 5250	PASS
5240	-10	120	5240.035904	5150 – 5250	PASS
5240	-20	120	5239.907566	5150 – 5250	PASS
5240	-30	120	5240.055133	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.944716	5150 – 5250	PASS
5240	20	108	5239.901478	5150 – 5250	PASS
5240	50	120	5240.004152	5150 – 5250	PASS
5240	40	120	5240.061503	5150 – 5250	PASS
5240	30	120	5239.935918	5150 – 5250	PASS
5240	20	120	5239.997876	5150 – 5250	PASS
5240	10	120	5239.909892	5150 – 5250	PASS
5240	0	120	5240.013338	5150 – 5250	PASS
5240	-10	120	5239.980212	5150 – 5250	PASS
5240	-20	120	5240.081241	5150 – 5250	PASS
5240	-30	120	5239.986706	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.091586	5150 – 5250	PASS
5190	20	108	5190.079736	5150 – 5250	PASS
5190	50	120	5190.004717	5150 – 5250	PASS
5190	40	120	5190.055921	5150 – 5250	PASS
5190	30	120	5189.966333	5150 – 5250	PASS
5190	20	120	5189.968220	5150 – 5250	PASS
5190	10	120	5190.038952	5150 – 5250	PASS
5190	0	120	5190.012616	5150 – 5250	PASS
5190	-10	120	5189.986339	5150 – 5250	PASS
5190	-20	120	5189.994042	5150 – 5250	PASS
5190	-30	120	5189.997253	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.068203	5150 – 5250	PASS
5190	20	108	5189.929869	5150 – 5250	PASS
5190	50	120	5190.082155	5150 – 5250	PASS
5190	40	120	5189.977146	5150 – 5250	PASS
5190	30	120	5189.981165	5150 – 5250	PASS
5190	20	120	5189.921190	5150 – 5250	PASS
5190	10	120	5190.013988	5150 – 5250	PASS
5190	0	120	5189.910153	5150 – 5250	PASS
5190	-10	120	5189.904824	5150 – 5250	PASS
5190	-20	120	5190.061811	5150 – 5250	PASS
5190	-30	120	5190.012913	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5230.038183	5150 – 5250	PASS
5230	20	108	5229.966600	5150 – 5250	PASS
5230	50	120	5230.077450	5150 – 5250	PASS
5230	40	120	5230.009788	5150 – 5250	PASS
5230	30	120	5230.020282	5150 – 5250	PASS
5230	20	120	5230.057141	5150 – 5250	PASS
5230	10	120	5230.094504	5150 – 5250	PASS
5230	0	120	5229.944245	5150 – 5250	PASS
5230	-10	120	5229.963914	5150 – 5250	PASS
5230	-20	120	5230.006452	5150 – 5250	PASS
5230	-30	120	5229.996865	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.994235	5150 – 5250	PASS
5230	20	108	5229.983256	5150 – 5250	PASS
5230	50	120	5230.082231	5150 – 5250	PASS
5230	40	120	5230.026648	5150 – 5250	PASS
5230	30	120	5230.064614	5150 – 5250	PASS
5230	20	120	5230.059010	5150 – 5250	PASS
5230	10	120	5230.024142	5150 – 5250	PASS
5230	0	120	5229.965958	5150 – 5250	PASS
5230	-10	120	5230.011814	5150 – 5250	PASS
5230	-20	120	5230.063871	5150 – 5250	PASS
5230	-30	120	5230.017171	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5209.987562	5150 – 5250	PASS
5210	20	108	5209.998627	5150 – 5250	PASS
5210	50	120	5210.079669	5150 – 5250	PASS
5210	40	120	5210.075733	5150 – 5250	PASS
5210	30	120	5209.930414	5150 – 5250	PASS
5210	20	120	5209.978578	5150 – 5250	PASS
5210	10	120	5209.902832	5150 – 5250	PASS
5210	0	120	5209.949729	5150 – 5250	PASS
5210	-10	120	5209.963475	5150 – 5250	PASS
5210	-20	120	5209.986031	5150 – 5250	PASS
5210	-30	120	5209.936417	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.086520	5150 – 5250	PASS
5210	20	108	5209.948215	5150 – 5250	PASS
5210	50	120	5209.915696	5150 – 5250	PASS
5210	40	120	5210.040302	5150 – 5250	PASS
5210	30	120	5209.906618	5150 – 5250	PASS
5210	20	120	5210.042030	5150 – 5250	PASS
5210	10	120	5209.984827	5150 – 5250	PASS
5210	0	120	5210.034536	5150 – 5250	PASS
5210	-10	120	5210.043289	5150 – 5250	PASS
5210	-20	120	5210.042782	5150 – 5250	PASS
5210	-30	120	5209.944196	5150 – 5250	PASS

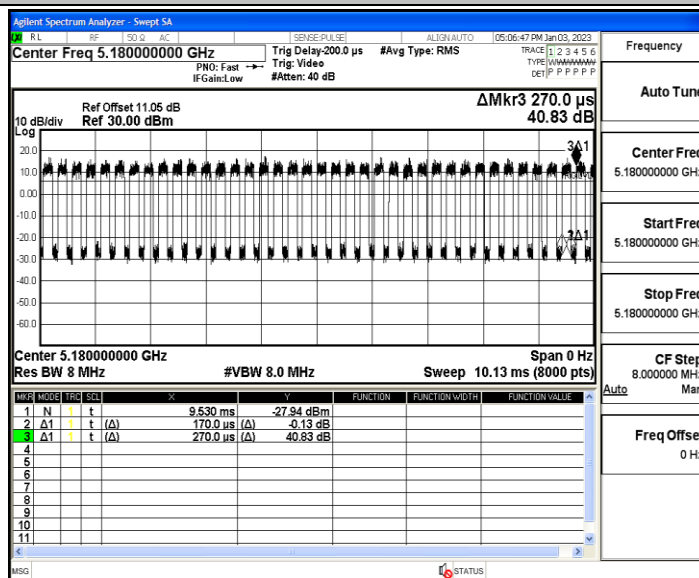
Appendix F: Duty Cycle

Test Result

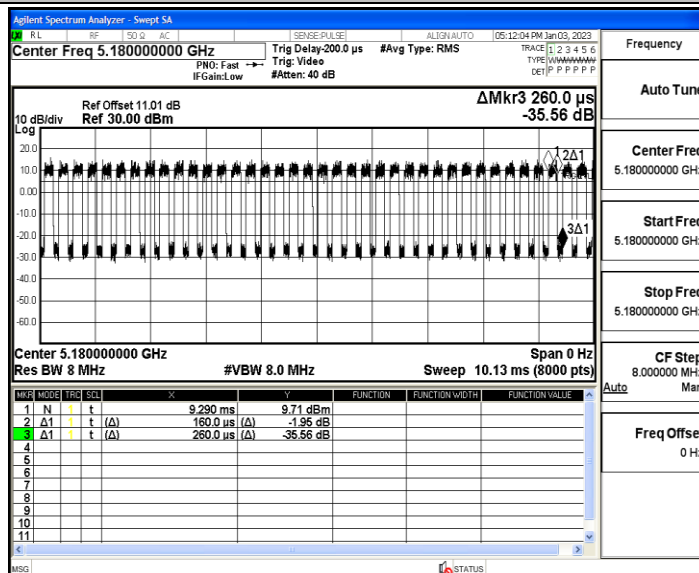
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5180	0.17	0.27	62.96	5.88
	Ant2	5180	0.16	0.26	61.54	6.25
	Ant1	5200	0.17	0.27	62.96	5.88
	Ant2	5200	0.16	0.26	61.54	6.25
	Ant1	5240	0.16	0.26	61.54	6.25
	Ant2	5240	0.17	0.27	62.96	5.88
11N20MIMO	Ant1	5180	0.16	0.26	61.54	6.25
	Ant2	5180	0.16	0.26	61.54	6.25
	Ant1	5200	0.17	0.27	62.96	5.88
	Ant2	5200	0.17	0.27	62.96	5.88
	Ant1	5240	0.17	0.27	62.96	5.88
	Ant2	5240	0.17	0.27	62.96	5.88
11N40MIMO	Ant1	5190	0.10	0.20	50.00	10.00
	Ant2	5190	0.09	0.19	47.37	11.11
	Ant1	5230	0.10	0.20	50.00	10.00
	Ant2	5230	0.10	0.20	50.00	10.00
11AC20MIMO	Ant1	5180	0.36	0.46	78.26	2.78
	Ant2	5180	0.36	0.46	78.26	2.78
	Ant1	5200	0.36	0.46	78.26	2.78
	Ant2	5200	0.36	0.46	78.26	2.78
	Ant1	5240	0.36	0.46	78.26	2.78
	Ant2	5240	0.36	0.46	78.26	2.78
11AC40MIMO	Ant1	5190	0.09	0.19	47.37	11.11
	Ant2	5190	0.08	0.18	44.44	12.50
	Ant1	5230	0.09	0.19	47.37	11.11
	Ant2	5230	0.09	0.19	47.37	11.11
11AC80MIMO	Ant1	5210	0.06	0.16	37.50	16.67
	Ant2	5210	0.06	0.16	37.50	16.67
11AX20MIMO	Ant1	5180	0.12	0.22	54.55	8.33
	Ant2	5180	0.12	0.22	54.55	8.33
	Ant1	5200	0.12	0.22	54.55	8.33
	Ant2	5200	0.12	0.22	54.55	8.33
	Ant1	5240	0.12	0.22	54.55	8.33
	Ant2	5240	0.12	0.22	54.55	8.33
11AX40MIMO	Ant1	5190	0.08	0.18	44.44	12.50
	Ant2	5190	0.09	0.19	47.37	11.11
	Ant1	5230	0.09	0.19	47.37	11.11
	Ant2	5230	0.09	0.19	47.37	11.11
11AX80MIMO	Ant1	5210	0.07	0.17	41.18	14.29
	Ant2	5210	0.08	0.18	44.44	12.50

Test Graphs

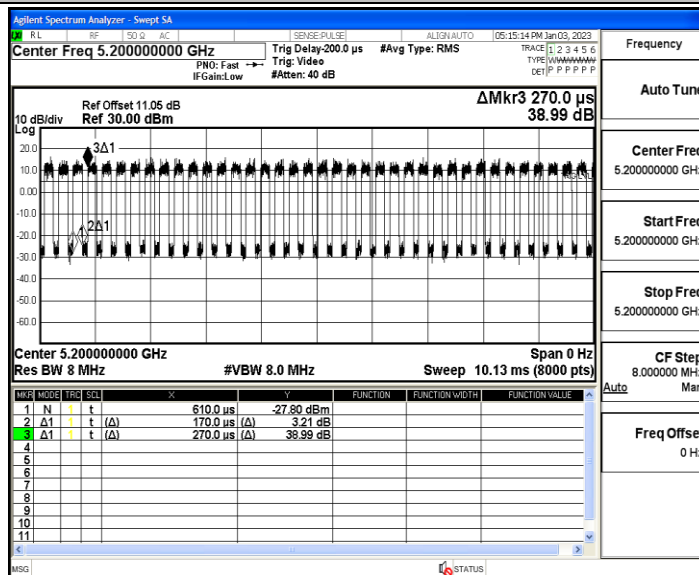
11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



11A_Ant2_5200