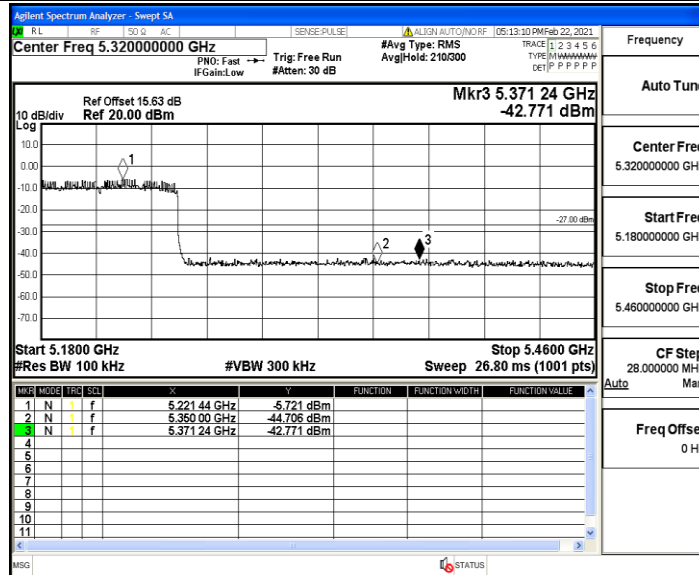
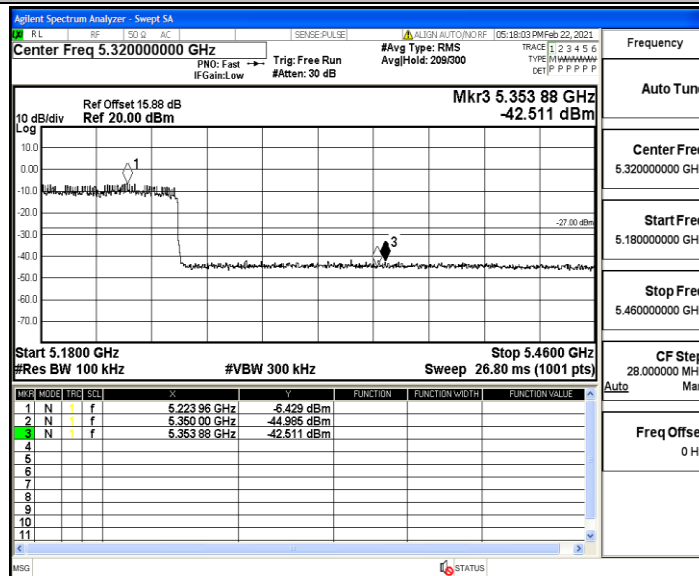


11AX80MIMO_Ant1_High_5210



11AX80MIMO_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	5179.902056	5150 – 5250	PASS
5180	20	108	5179.963453	5150 – 5250	PASS
5180	50	120	5180.016881	5150 – 5250	PASS
5180	40	120	5179.955827	5150 – 5250	PASS
5180	30	120	5179.998234	5150 – 5250	PASS
5180	20	120	5180.053027	5150 – 5250	PASS
5180	10	120	5179.997427	5150 – 5250	PASS
5180	0	120	5179.995355	5150 – 5250	PASS
5180	-10	120	5179.907905	5150 – 5250	PASS
5180	-20	120	5180.013764	5150 – 5250	PASS
5180	-30	120	5180.092654	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5179.997143	5150 – 5250	PASS
5180	20	108	5179.951186	5150 – 5250	PASS
5180	50	120	5179.948939	5150 – 5250	PASS
5180	40	120	5180.006918	5150 – 5250	PASS
5180	30	120	5180.037299	5150 – 5250	PASS
5180	20	120	5179.900539	5150 – 5250	PASS
5180	10	120	5179.968503	5150 – 5250	PASS
5180	0	120	5179.946872	5150 – 5250	PASS
5180	-10	120	5179.995969	5150 – 5250	PASS
5180	-20	120	5180.001468	5150 – 5250	PASS
5180	-30	120	5179.907478	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5199.949484	5150 – 5250	PASS
5200	20	108	5200.049587	5150 – 5250	PASS
5200	50	120	5200.060050	5150 – 5250	PASS
5200	40	120	5199.986032	5150 – 5250	PASS
5200	30	120	5199.996913	5150 – 5250	PASS
5200	20	120	5200.075670	5150 – 5250	PASS
5200	10	120	5200.032498	5150 – 5250	PASS
5200	0	120	5199.929409	5150 – 5250	PASS
5200	-10	120	5199.902793	5150 – 5250	PASS
5200	-20	120	5200.027777	5150 – 5250	PASS
5200	-30	120	5200.035464	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5199.983967	5150 – 5250	PASS
5200	20	108	5200.044440	5150 – 5250	PASS
5200	50	120	5199.901521	5150 – 5250	PASS
5200	40	120	5199.955984	5150 – 5250	PASS
5200	30	120	5200.082648	5150 – 5250	PASS
5200	20	120	5199.981854	5150 – 5250	PASS
5200	10	120	5199.923110	5150 – 5250	PASS
5200	0	120	5199.990159	5150 – 5250	PASS
5200	-10	120	5199.919029	5150 – 5250	PASS
5200	-20	120	5199.928592	5150 – 5250	PASS
5200	-30	120	5199.964810	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.986482	5150 – 5250	PASS
5240	20	108	5239.941631	5150 – 5250	PASS
5240	50	120	5240.082411	5150 – 5250	PASS
5240	40	120	5240.070222	5150 – 5250	PASS
5240	30	120	5240.049971	5150 – 5250	PASS
5240	20	120	5239.955348	5150 – 5250	PASS
5240	10	120	5239.999163	5150 – 5250	PASS
5240	0	120	5240.076483	5150 – 5250	PASS
5240	-10	120	5240.084643	5150 – 5250	PASS
5240	-20	120	5239.918622	5150 – 5250	PASS
5240	-30	120	5240.023006	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.926726	5150 – 5250	PASS
5240	20	108	5240.000861	5150 – 5250	PASS
5240	50	120	5239.945677	5150 – 5250	PASS
5240	40	120	5239.900312	5150 – 5250	PASS
5240	30	120	5240.028043	5150 – 5250	PASS
5240	20	120	5239.987664	5150 – 5250	PASS
5240	10	120	5240.071026	5150 – 5250	PASS
5240	0	120	5239.913731	5150 – 5250	PASS
5240	-10	120	5240.048707	5150 – 5250	PASS
5240	-20	120	5240.076213	5150 – 5250	PASS
5240	-30	120	5239.936483	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5189.903743	5150 – 5250	PASS
5190	20	108	5189.993045	5150 – 5250	PASS
5190	50	120	5189.994307	5150 – 5250	PASS
5190	40	120	5190.054423	5150 – 5250	PASS
5190	30	120	5189.946667	5150 – 5250	PASS
5190	20	120	5189.945474	5150 – 5250	PASS
5190	10	120	5189.976096	5150 – 5250	PASS
5190	0	120	5189.953024	5150 – 5250	PASS
5190	-10	120	5190.094108	5150 – 5250	PASS
5190	-20	120	5189.961084	5150 – 5250	PASS
5190	-30	120	5190.019260	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5189.996076	5150 – 5250	PASS
5190	20	108	5189.924365	5150 – 5250	PASS
5190	50	120	5190.088527	5150 – 5250	PASS
5190	40	120	5190.078546	5150 – 5250	PASS
5190	30	120	5190.065895	5150 – 5250	PASS
5190	20	120	5190.027449	5150 – 5250	PASS
5190	10	120	5189.988834	5150 – 5250	PASS
5190	0	120	5189.943499	5150 – 5250	PASS
5190	-10	120	5189.977320	5150 – 5250	PASS
5190	-20	120	5190.069877	5150 – 5250	PASS
5190	-30	120	5189.912431	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.943259	5150 – 5250	PASS
5230	20	108	5230.090647	5150 – 5250	PASS
5230	50	120	5230.087512	5150 – 5250	PASS
5230	40	120	5229.919011	5150 – 5250	PASS
5230	30	120	5230.037528	5150 – 5250	PASS
5230	20	120	5230.075118	5150 – 5250	PASS
5230	10	120	5230.012316	5150 – 5250	PASS
5230	0	120	5229.945405	5150 – 5250	PASS
5230	-10	120	5229.926771	5150 – 5250	PASS
5230	-20	120	5229.945343	5150 – 5250	PASS
5230	-30	120	5229.947574	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.966172	5150 – 5250	PASS
5230	20	108	5229.902455	5150 – 5250	PASS
5230	50	120	5230.033839	5150 – 5250	PASS
5230	40	120	5229.910178	5150 – 5250	PASS
5230	30	120	5230.059666	5150 – 5250	PASS
5230	20	120	5230.093171	5150 – 5250	PASS
5230	10	120	5230.053953	5150 – 5250	PASS
5230	0	120	5229.961833	5150 – 5250	PASS
5230	-10	120	5229.919186	5150 – 5250	PASS
5230	-20	120	5229.986621	5150 – 5250	PASS
5230	-30	120	5230.042824	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.050603	5150 – 5250	PASS
5210	20	108	5209.940509	5150 – 5250	PASS
5210	50	120	5210.060876	5150 – 5250	PASS
5210	40	120	5209.964215	5150 – 5250	PASS
5210	30	120	5209.982745	5150 – 5250	PASS
5210	20	120	5209.931713	5150 – 5250	PASS
5210	10	120	5210.095685	5150 – 5250	PASS
5210	0	120	5209.955288	5150 – 5250	PASS
5210	-10	120	5209.968581	5150 – 5250	PASS
5210	-20	120	5209.976990	5150 – 5250	PASS
5210	-30	120	5210.053525	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.063565	5150 – 5250	PASS
5210	20	108	5210.076734	5150 – 5250	PASS
5210	50	120	5209.918774	5150 – 5250	PASS
5210	40	120	5210.001865	5150 – 5250	PASS
5210	30	120	5210.035911	5150 – 5250	PASS
5210	20	120	5210.005040	5150 – 5250	PASS
5210	10	120	5210.071120	5150 – 5250	PASS
5210	0	120	5210.099791	5150 – 5250	PASS
5210	-10	120	5210.079199	5150 – 5250	PASS
5210	-20	120	5209.900370	5150 – 5250	PASS
5210	-30	120	5209.955192	5150 – 5250	PASS

Appendix F: Duty Cycle

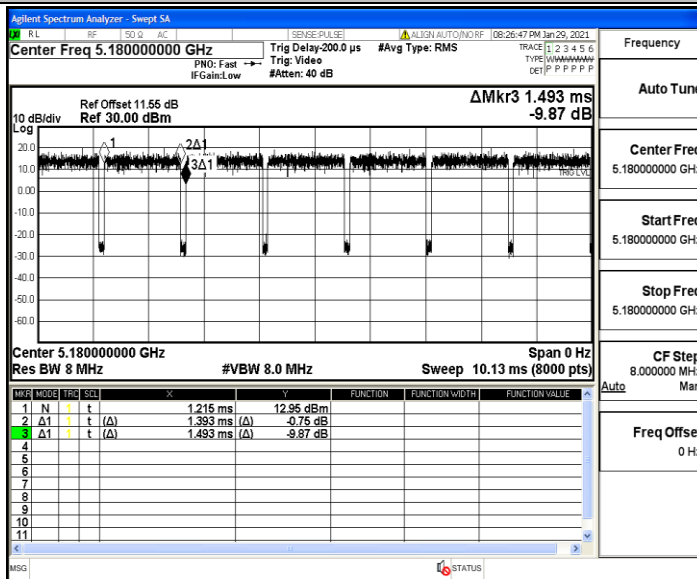
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.49	93.29
	Ant2	5180	1.39	1.49	93.29
	Ant1	5200	1.39	1.49	93.29
	Ant2	5200	1.39	1.49	93.29
	Ant1	5240	1.39	1.49	93.29
	Ant2	5240	1.39	1.49	93.29
11N20MIMO	Ant1	5180	0.16	0.18	88.89
	Ant2	5180	0.16	0.18	88.89
	Ant1	5200	0.16	0.18	88.89
	Ant2	5200	0.16	0.18	88.89
	Ant1	5240	0.36	0.38	94.74
	Ant2	5240	0.36	0.38	94.74
11N40MIMO	Ant1	5190	0.10	0.12	83.33
	Ant2	5190	0.10	0.12	83.33
	Ant1	5230	0.10	0.12	83.33
	Ant2	5230	0.10	0.12	83.33
11AC20MIMO	Ant1	5180	0.36	0.38	94.74
	Ant2	5180	0.36	0.38	94.74
	Ant1	5200	0.36	0.38	94.74
	Ant2	5200	0.36	0.38	94.74
	Ant1	5240	0.36	0.38	94.74
	Ant2	5240	0.36	0.38	94.74
11AC40MIMO	Ant1	5190	0.09	0.11	81.82
	Ant2	5190	0.09	0.11	81.82
	Ant1	5230	0.09	0.11	81.82
	Ant2	5230	0.09	0.11	81.82
11AC80MIMO	Ant1	5210	0.06	0.07	85.71
	Ant2	5210	0.06	0.08	75.00
11AX20MIMO	Ant1	5180	0.12	0.14	85.71
	Ant2	5180	0.12	0.14	85.71
	Ant1	5200	0.12	0.14	85.71
	Ant2	5200	0.12	0.14	85.71
	Ant1	5240	0.12	0.14	85.71
	Ant2	5240	0.12	0.14	85.71
11AX40MIMO	Ant1	5190	0.09	0.11	81.82
	Ant2	5190	0.09	0.11	81.82
	Ant1	5230	0.09	0.11	81.82
	Ant2	5230	0.09	0.11	81.82
11AX80MIMO	Ant1	5210	0.08	0.10	80.00

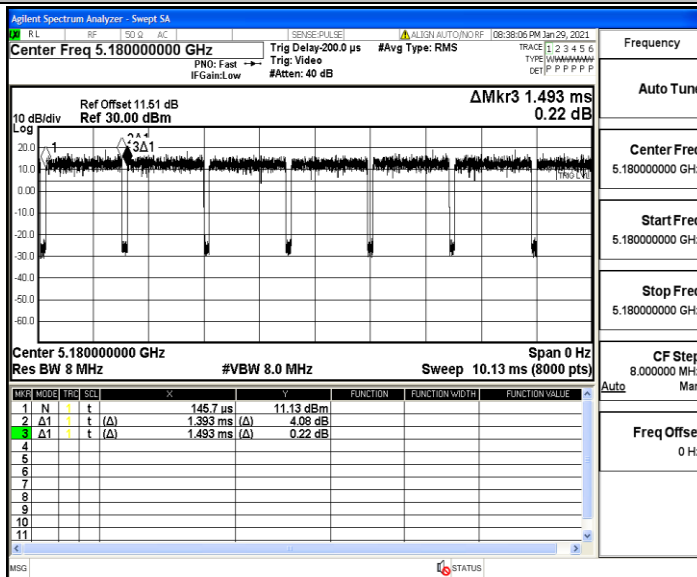
	Ant2	5210	0.08	0.10	80.00
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Test Graphs

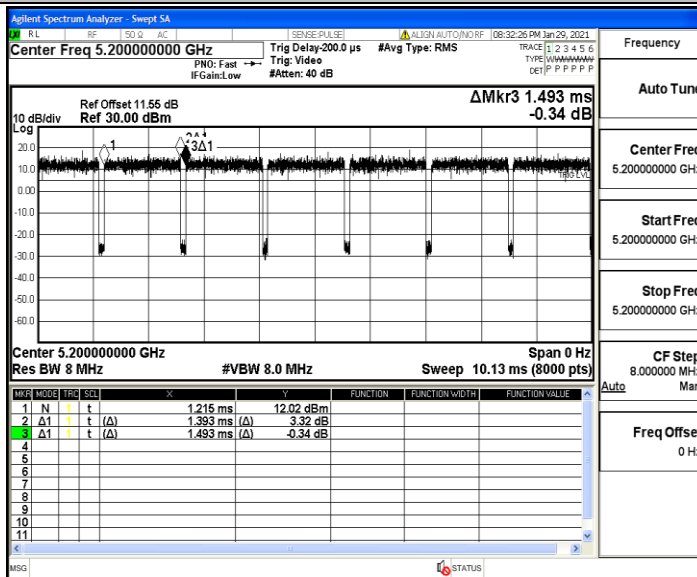
11A_Ant1_5180



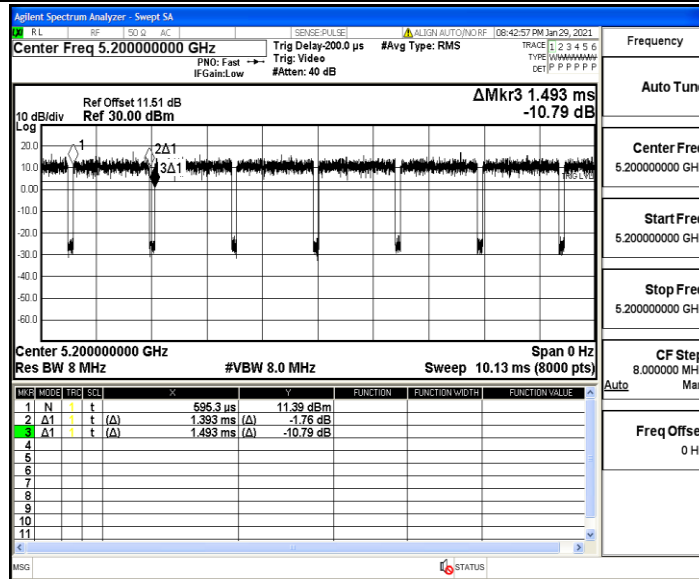
11A_Ant2_5180



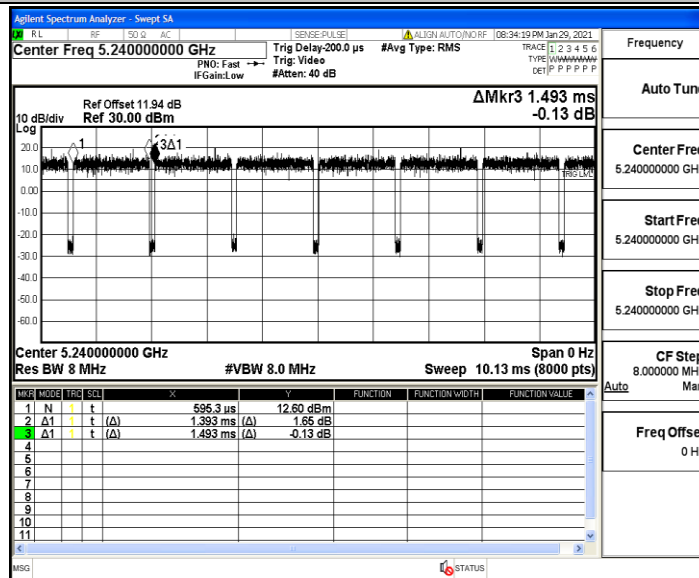
11A_Ant1_5200



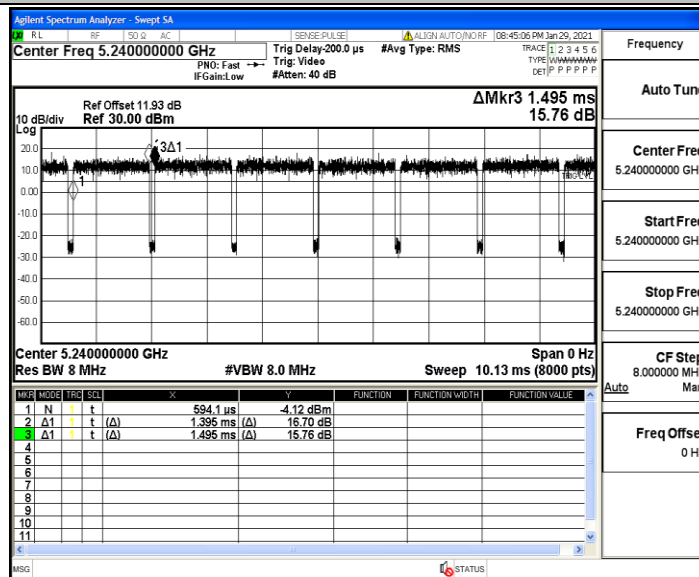
11A_Ant2_5200



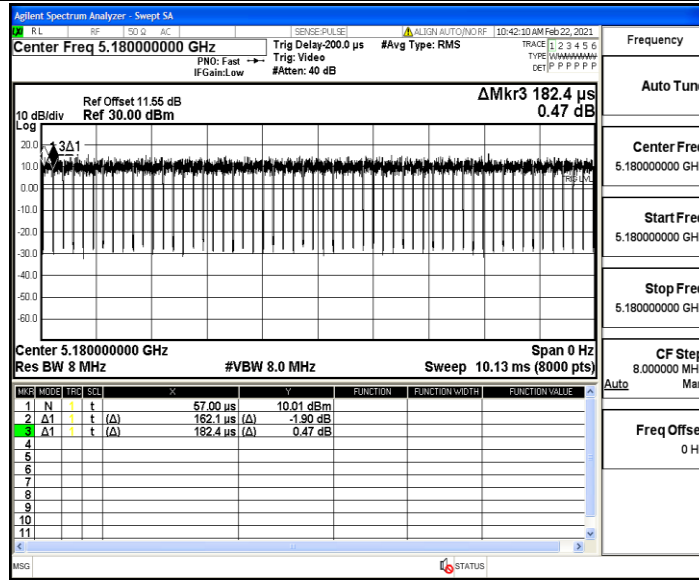
11A_Ant1_5240



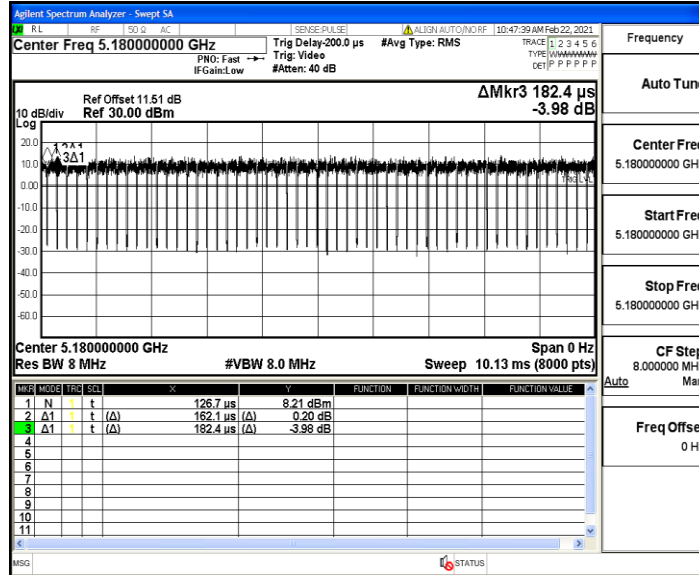
11A_Ant2_5240



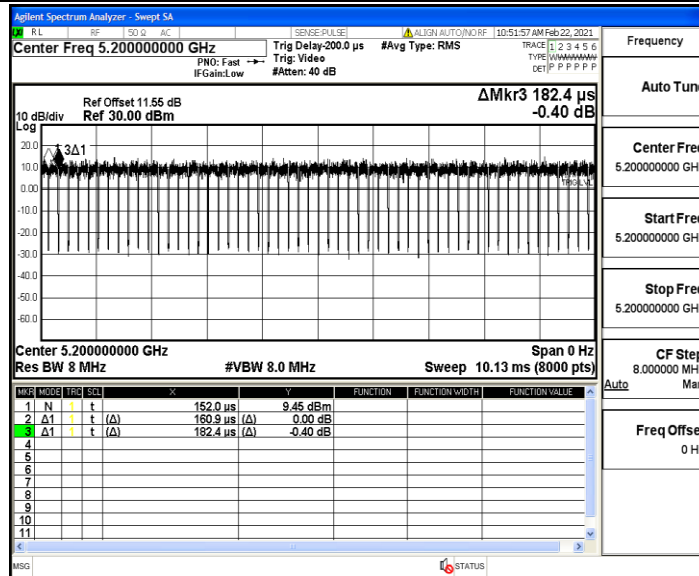
11N20MIMO_Ant1_5180



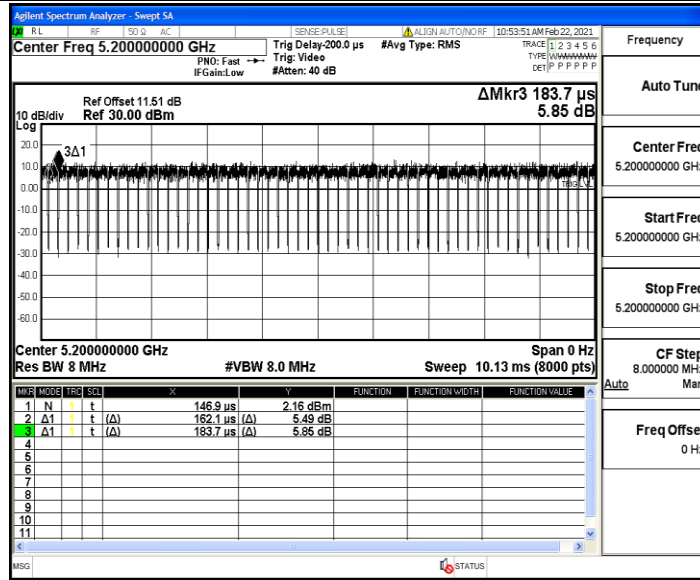
11N20MIMO_Ant2_5180



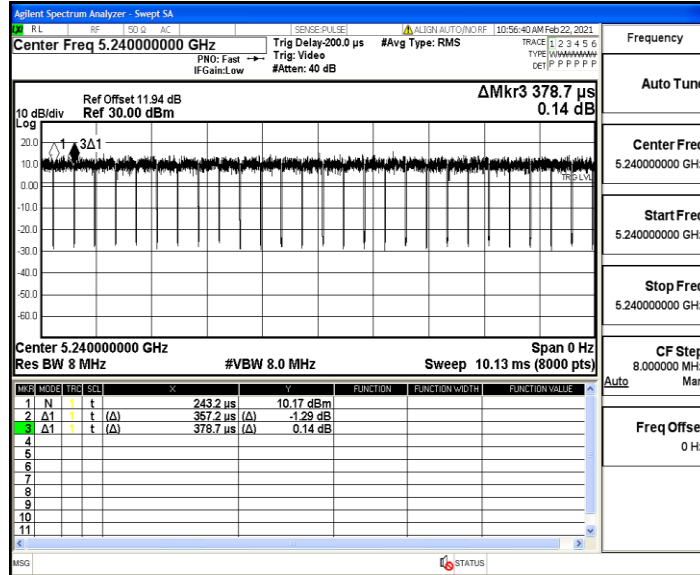
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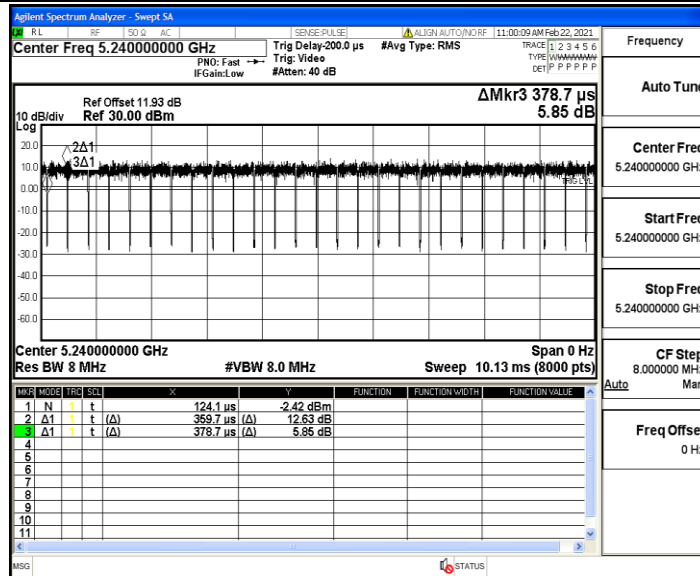
11N20MIMO_Ant2_5200



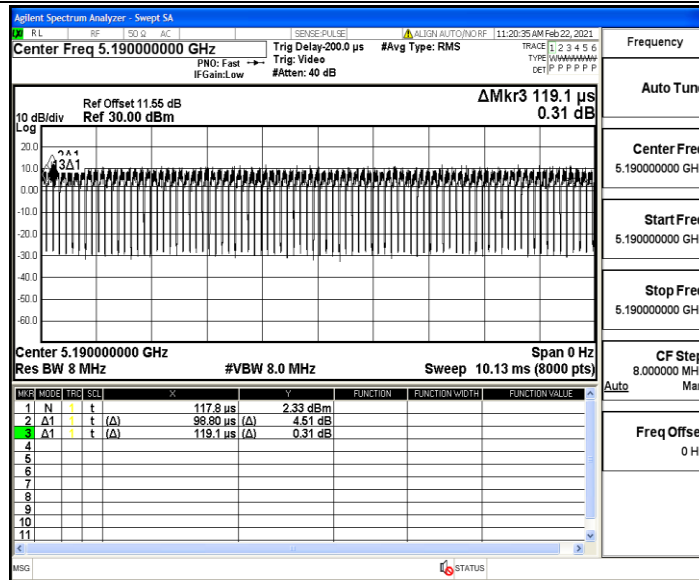
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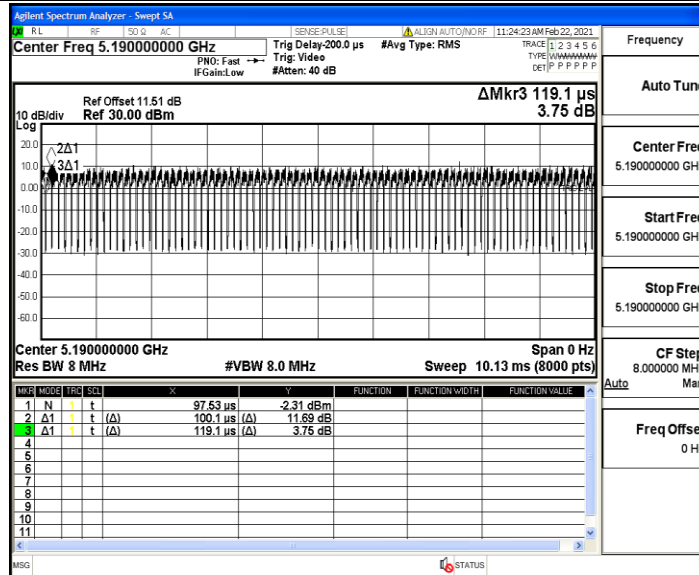
11N20MIMO_Ant2_5240



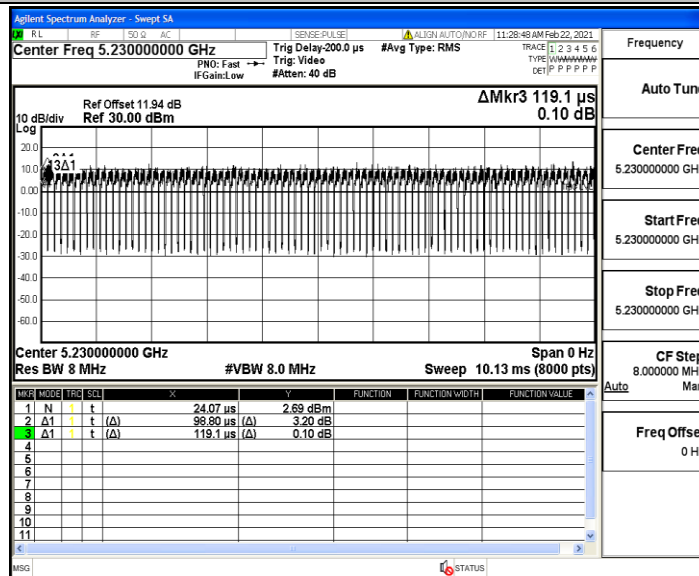
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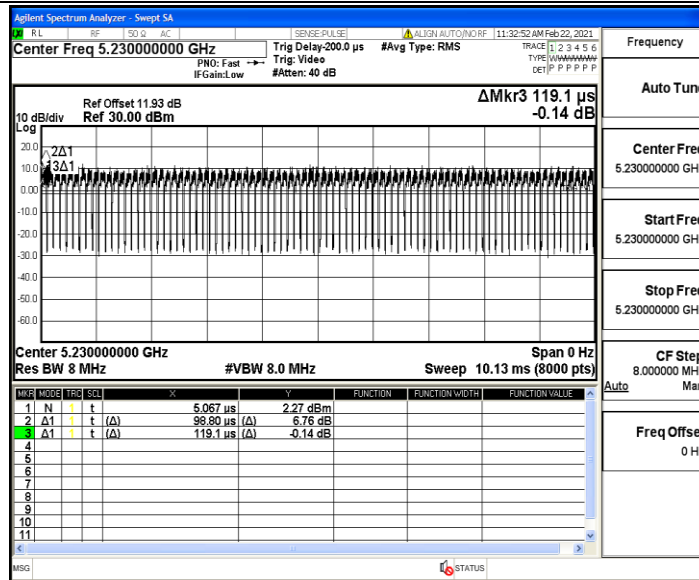
11N40MIMO_Ant2_5190



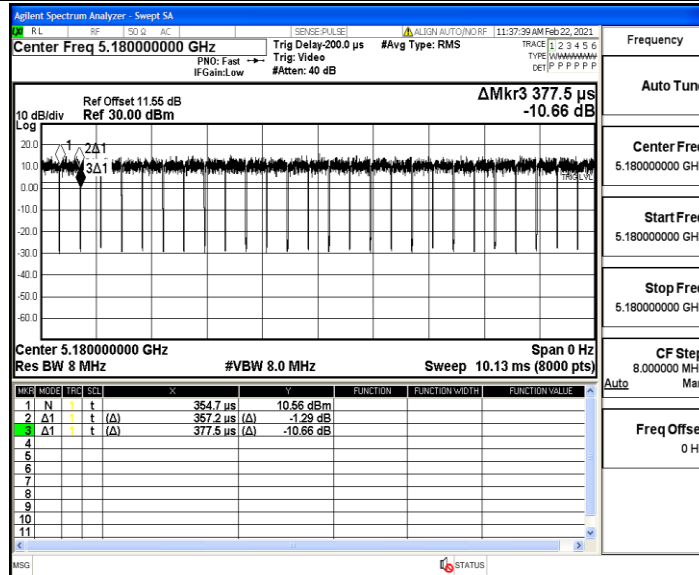
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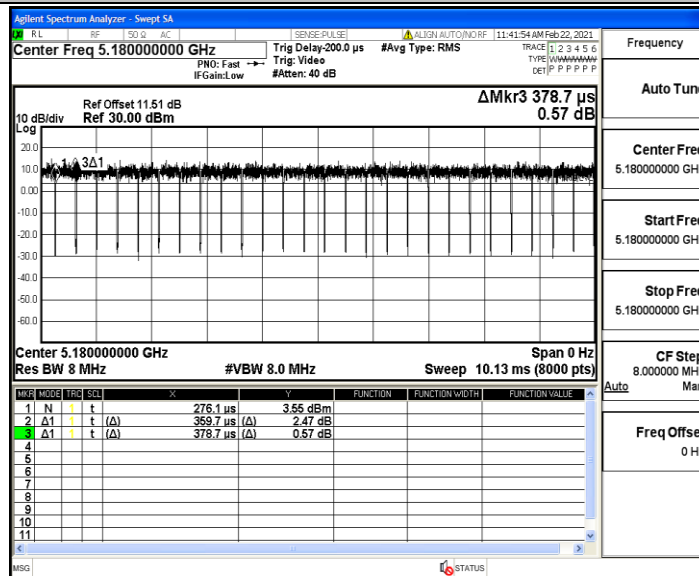
11N40MIMO_Ant2_5230



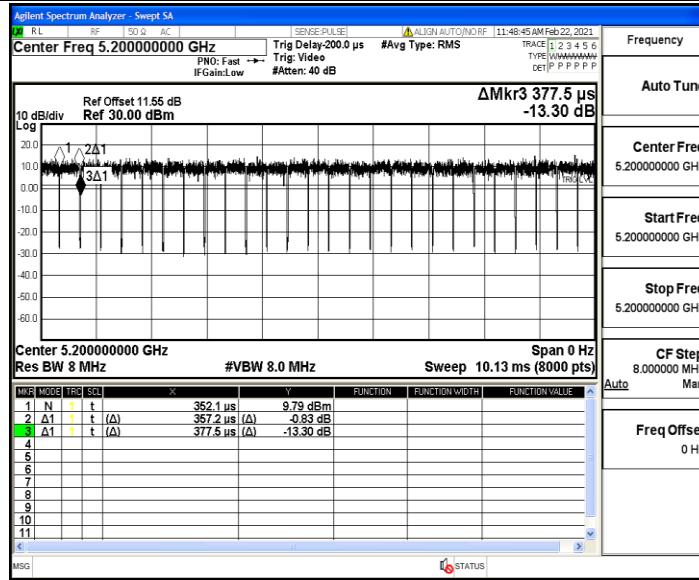
11AC20MIMO_Ant1_5180



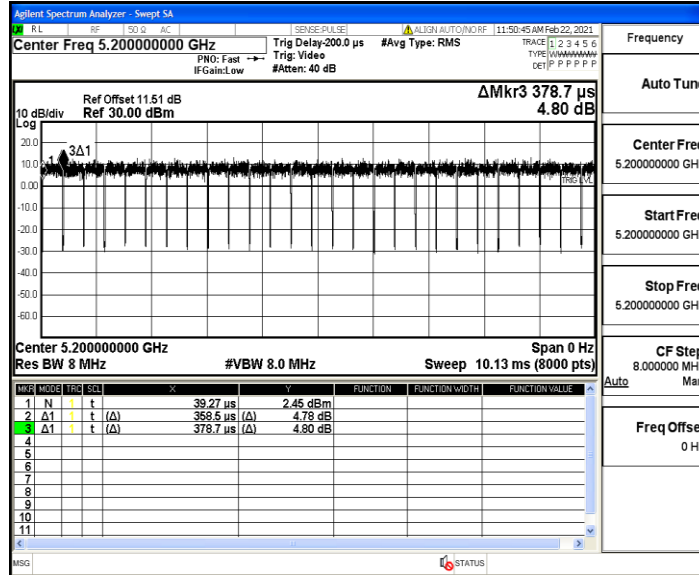
11AC20MIMO_Ant2_5180



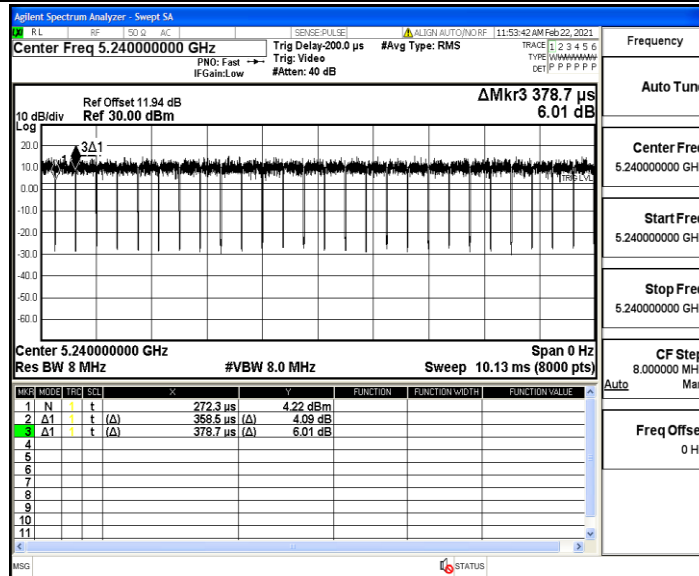
11AC20MIMO_Ant1_5200



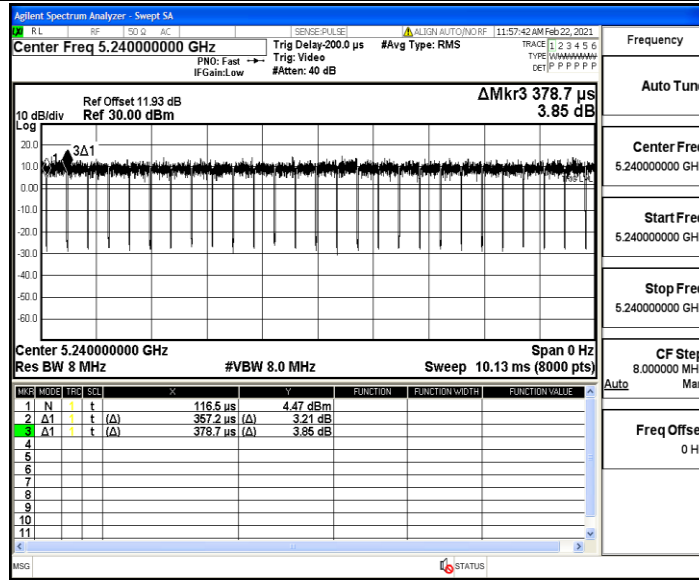
11AC20MIMO_Ant2_5200



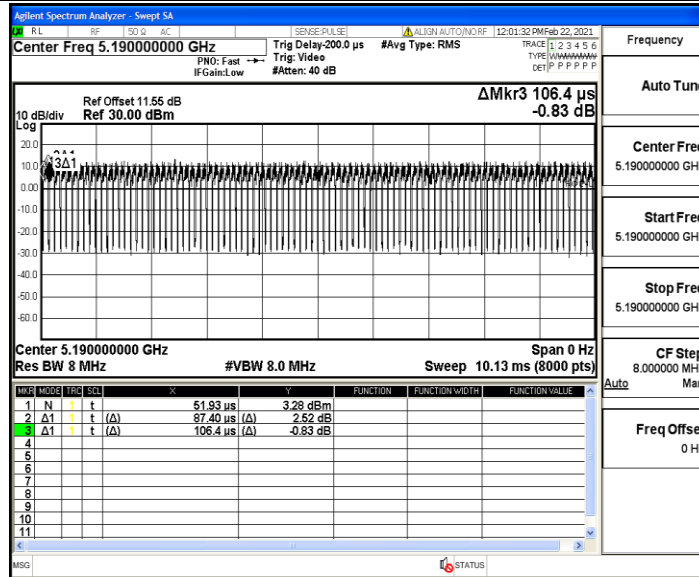
11AC20MIMO_Ant1_5240



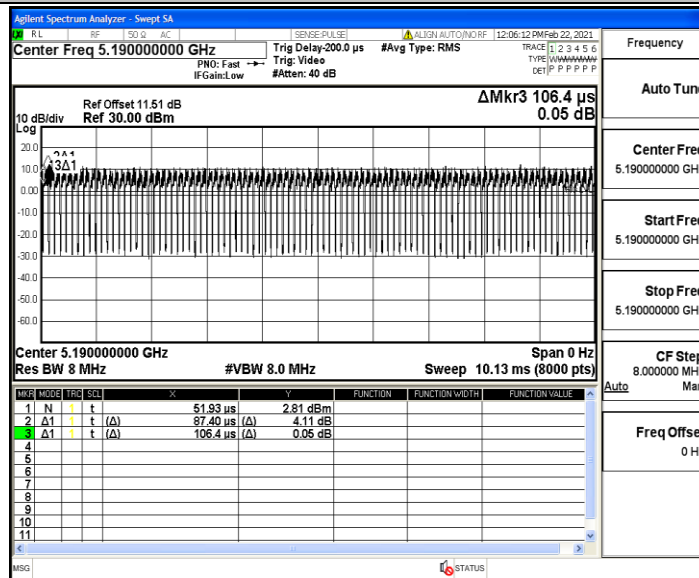
11AC20MIMO_Ant2_5240



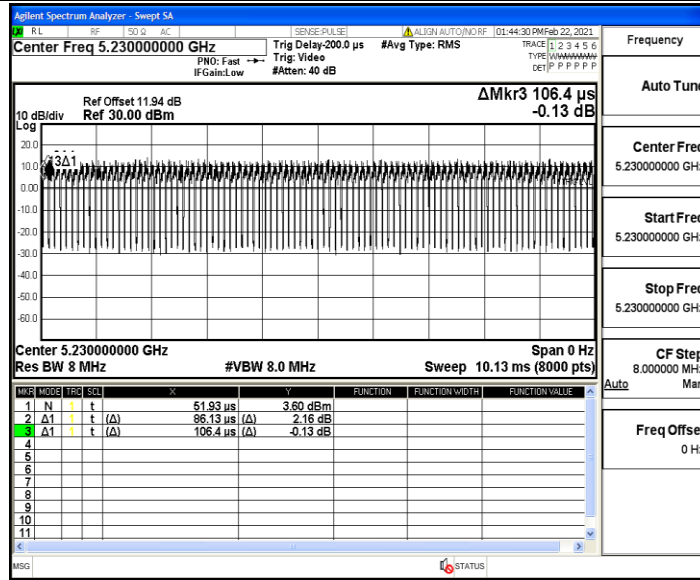
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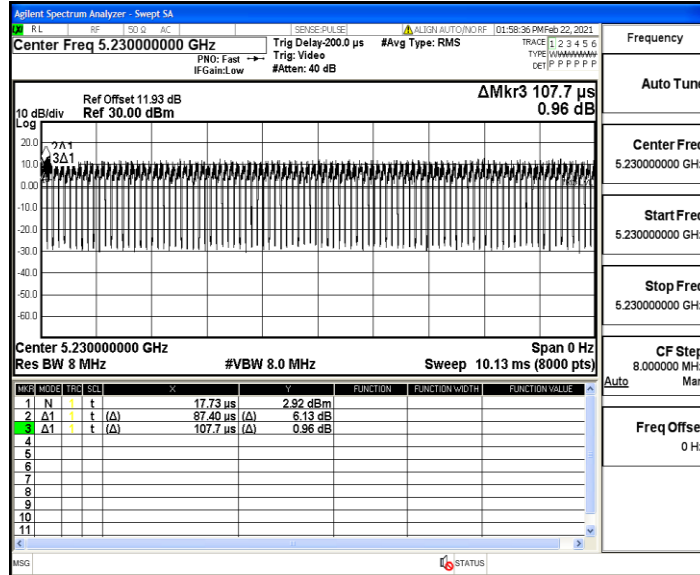
11AC40MIMO_Ant2_5190



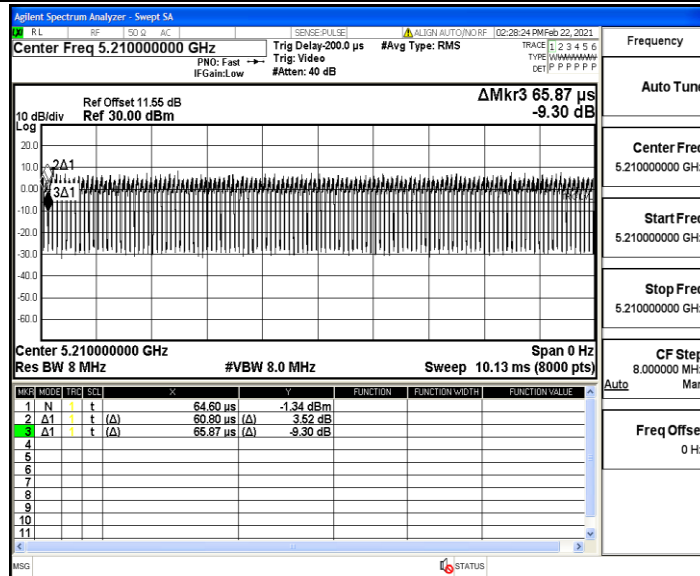
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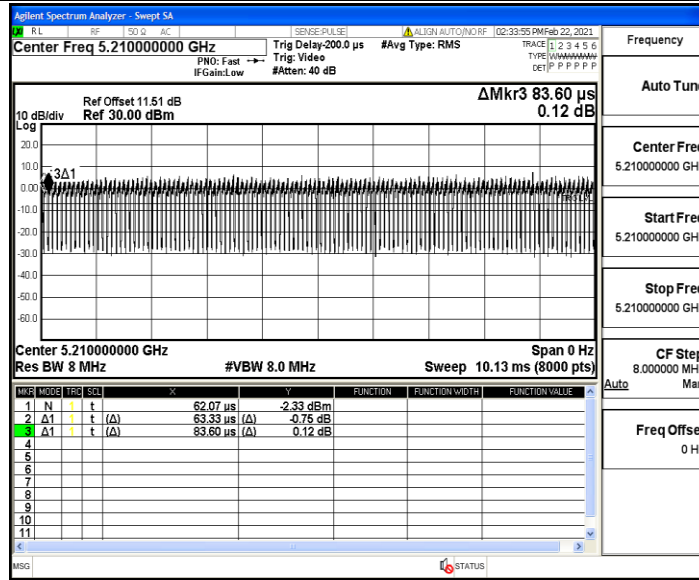
11AC40MIMO_Ant2_5230



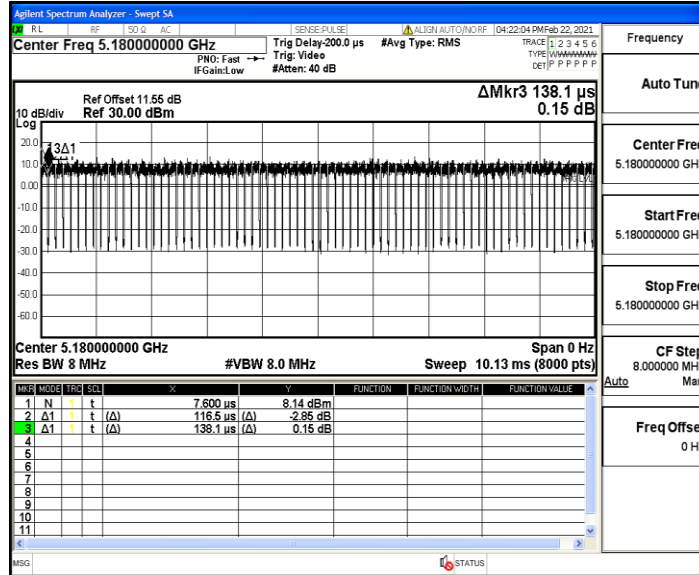
11AC80MIMO_Ant1_5210



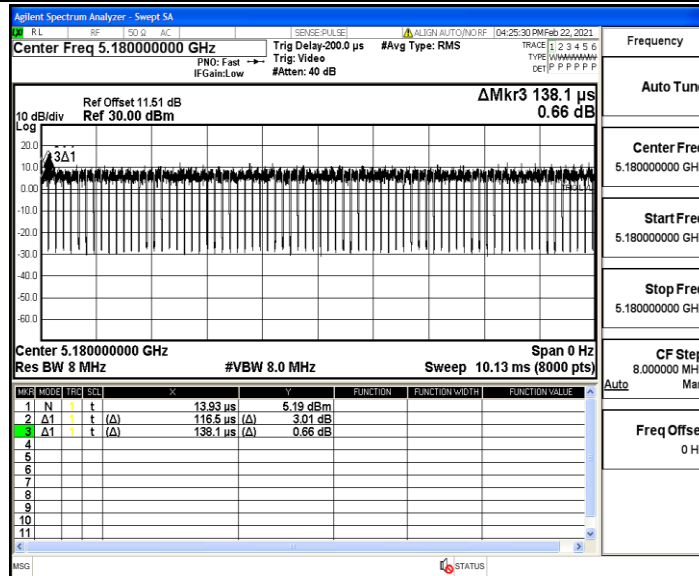
11AC80MIMO_Ant2_5210



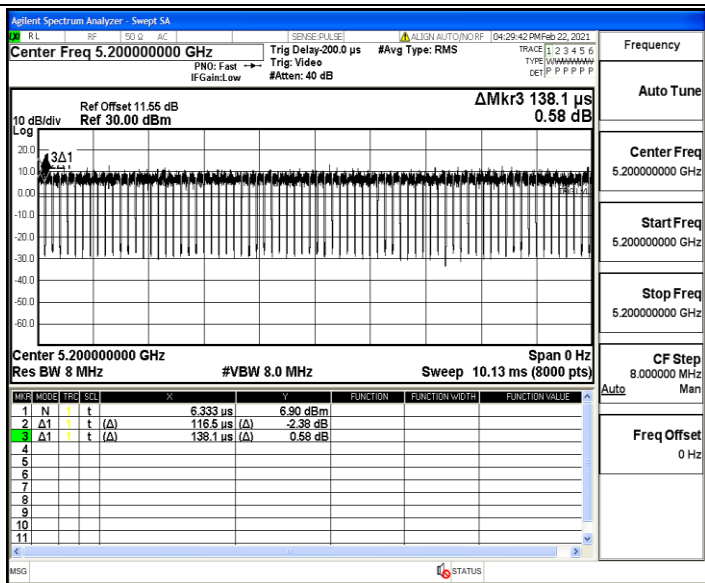
11AX20MIMO_Ant1_5180



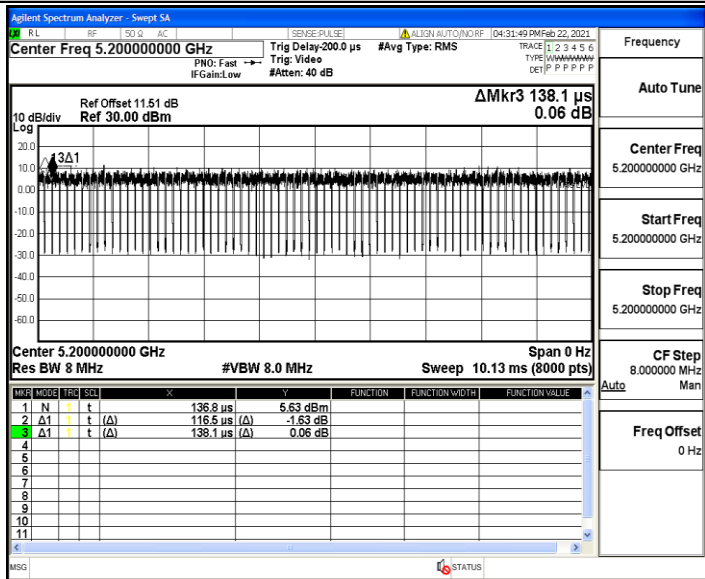
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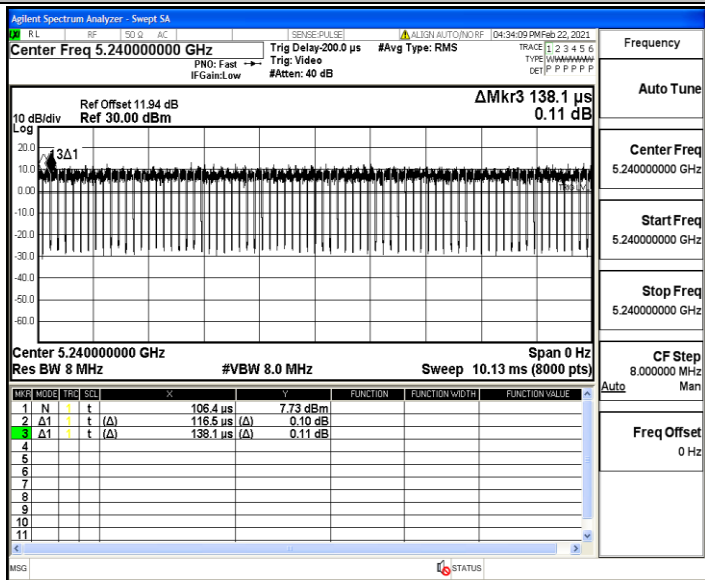
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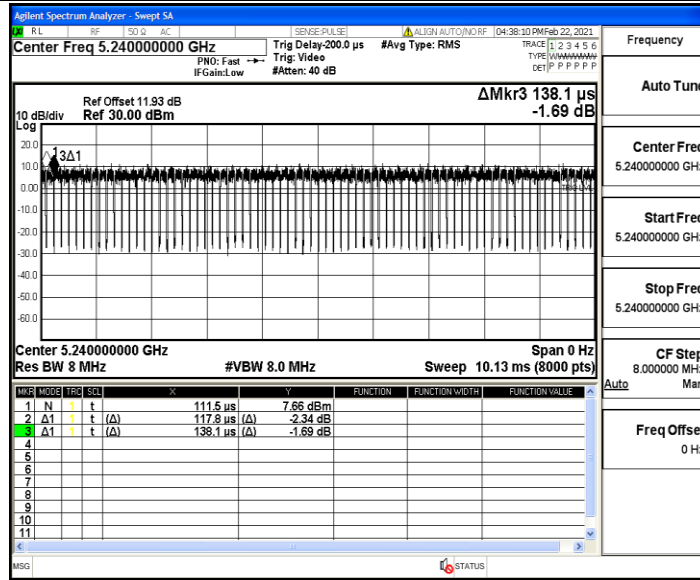
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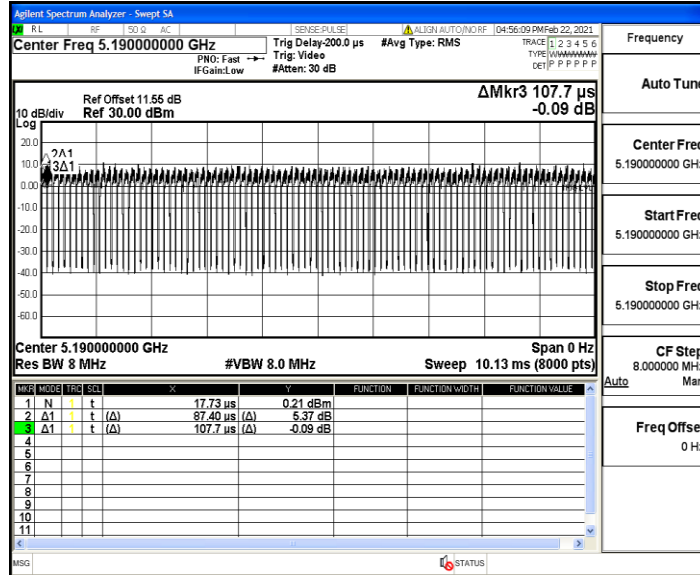
11AX20MIMO_Ant1_5240



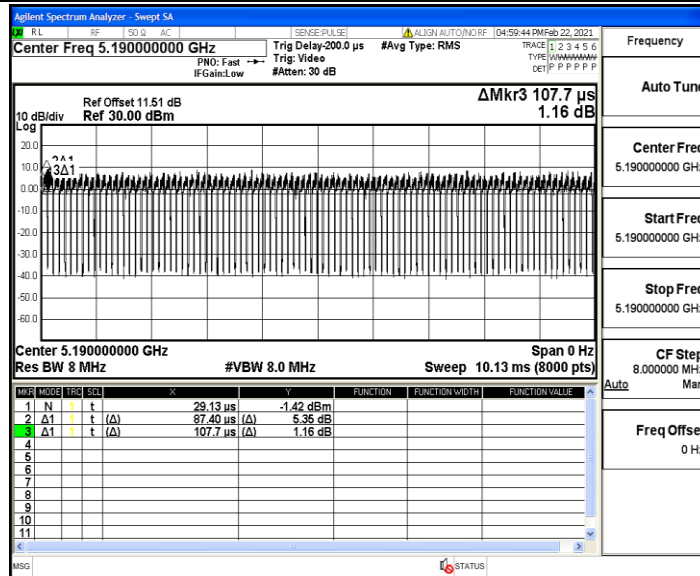
11AX20MIMO_Ant2_5240



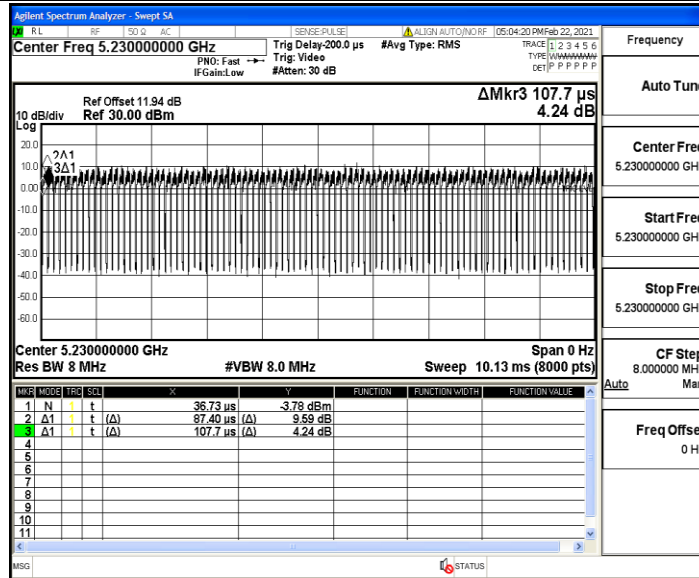
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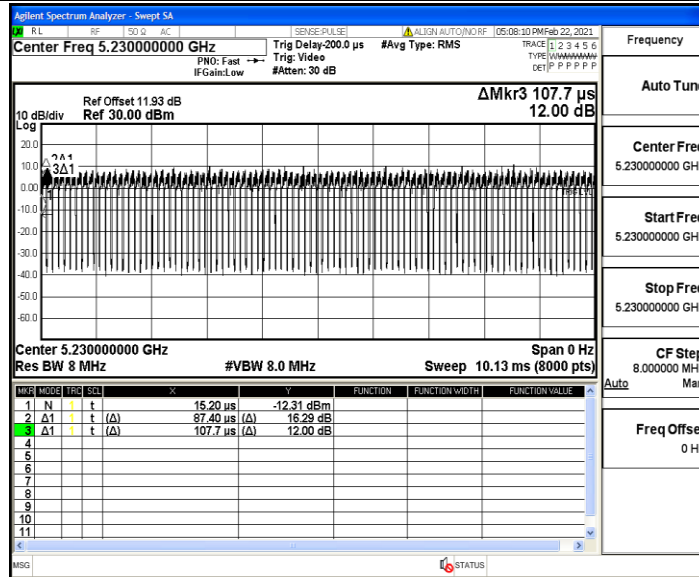
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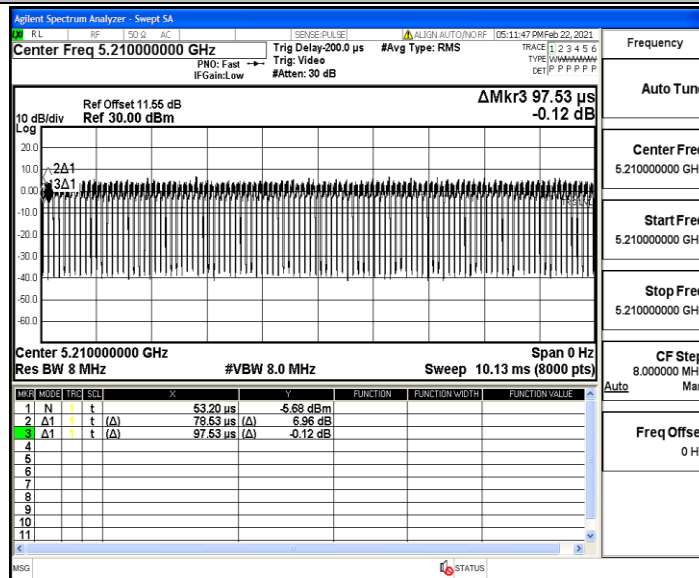
11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210

