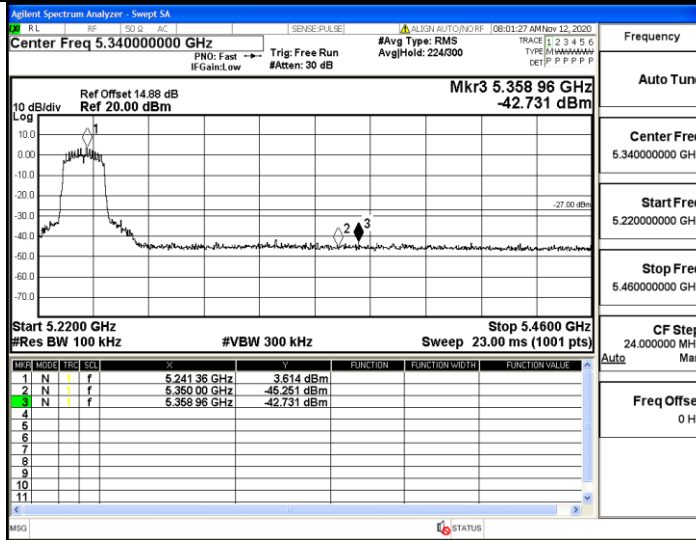
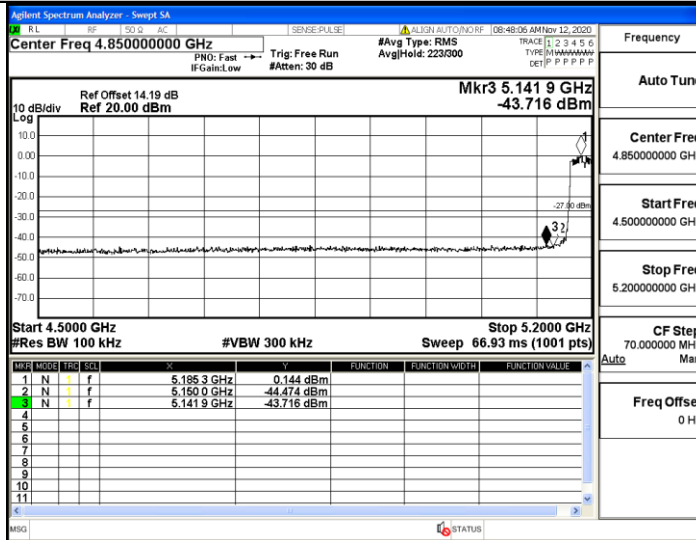


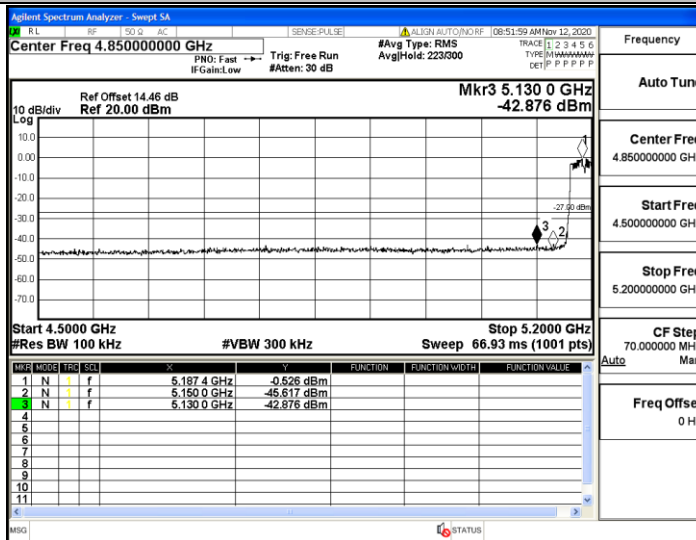
11AC20MIMO_Ant2_High_5240



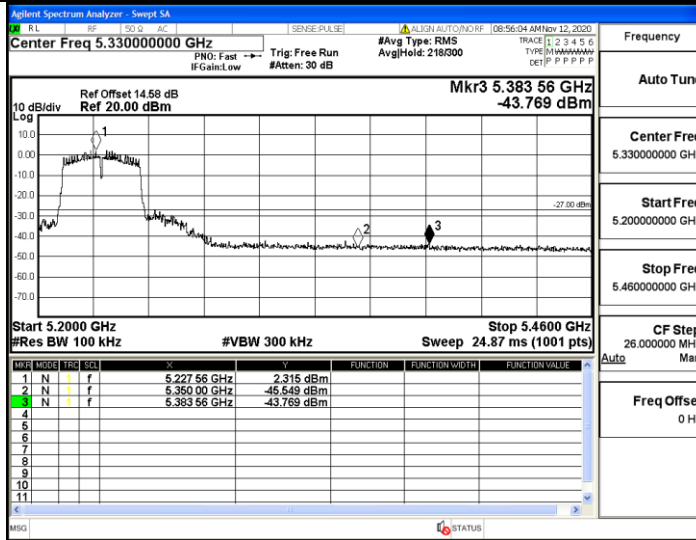
11AC40MIMO_Ant1_Low_5190



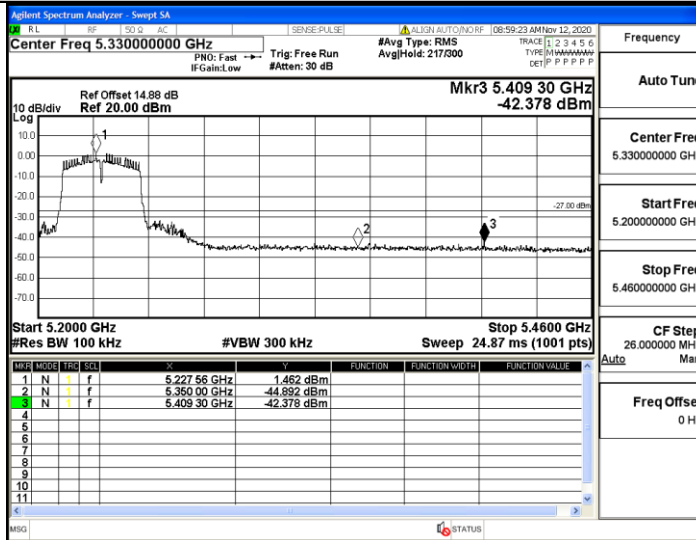
11AC40MIMO_Ant2_Low_5190



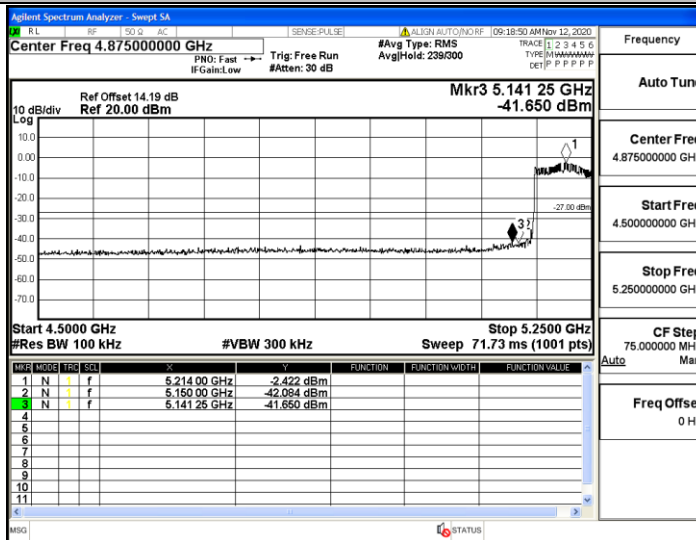
11AC40MIMO_Ant1_High_5230



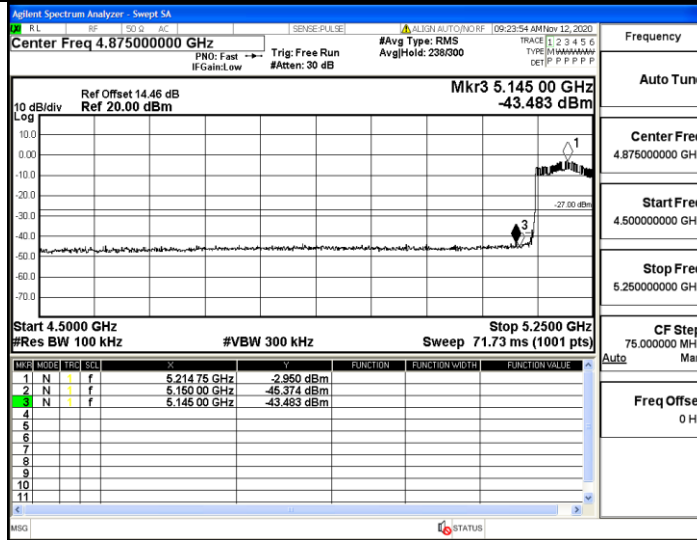
11AC40MIMO_Ant2_High_5230



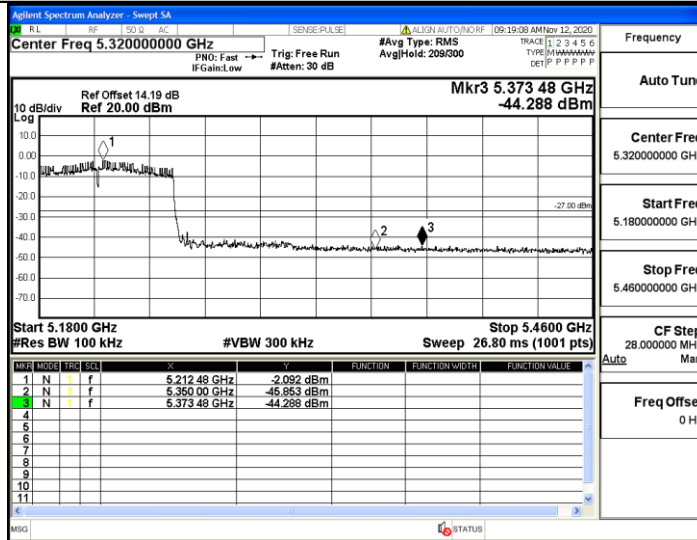
11AC80MIMO_Ant1_Low_5210



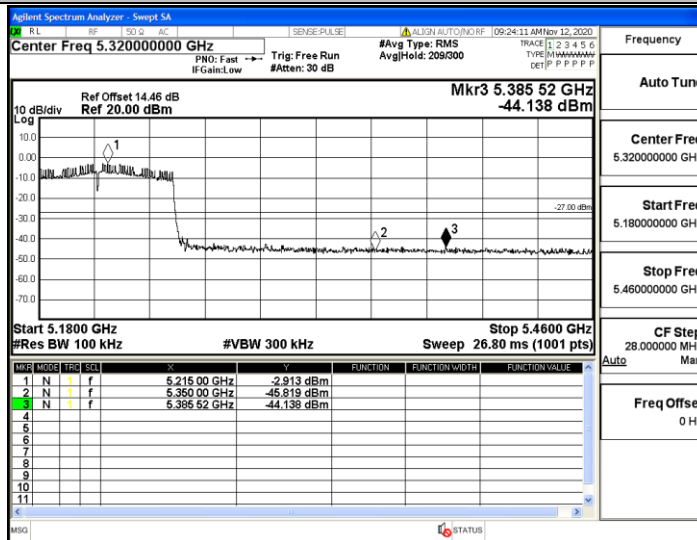
11AC80MIMO_Ant2_Low_5210



11AC80MIMO_Ant1_High_5210



11AC80MIMO_Ant2_High_5210



Appendix G: Frequency Stability

Test Result

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5180.002246	5150 – 5250	PASS
5180	20	108	5179.911813	5150 – 5250	PASS
5180	50	120	5179.964404	5150 – 5250	PASS
5180	40	120	5179.960909	5150 – 5250	PASS
5180	30	120	5180.020997	5150 – 5250	PASS
5180	20	120	5179.901398	5150 – 5250	PASS
5180	10	120	5180.007019	5150 – 5250	PASS
5180	0	120	5179.975880	5150 – 5250	PASS
5180	-10	120	5179.961686	5150 – 5250	PASS
5180	-20	120	5180.072601	5150 – 5250	PASS
5180	-30	120	5180.090135	5150 – 5250	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5180.067830	5150 – 5250	PASS
5180	20	108	5180.080599	5150 – 5250	PASS
5180	50	120	5179.958489	5150 – 5250	PASS
5180	40	120	5179.984433	5150 – 5250	PASS
5180	30	120	5180.000347	5150 – 5250	PASS
5180	20	120	5180.061390	5150 – 5250	PASS
5180	10	120	5179.939478	5150 – 5250	PASS
5180	0	120	5180.035407	5150 – 5250	PASS
5180	-10	120	5179.961198	5150 – 5250	PASS
5180	-20	120	5179.978237	5150 – 5250	PASS
5180	-30	120	5180.024082	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.054100	5150 – 5250	PASS
5200	20	108	5200.067042	5150 – 5250	PASS
5200	50	120	5200.057998	5150 – 5250	PASS
5200	40	120	5200.040502	5150 – 5250	PASS
5200	30	120	5199.916831	5150 – 5250	PASS
5200	20	120	5200.030823	5150 – 5250	PASS
5200	10	120	5200.097128	5150 – 5250	PASS
5200	0	120	5200.091492	5150 – 5250	PASS
5200	-10	120	5200.050308	5150 – 5250	PASS
5200	-20	120	5199.948226	5150 – 5250	PASS
5200	-30	120	5200.001746	5150 – 5250	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5200.079056	5150 – 5250	PASS
5200	20	108	5200.081332	5150 – 5250	PASS
5200	50	120	5200.064340	5150 – 5250	PASS
5200	40	120	5200.098318	5150 – 5250	PASS
5200	30	120	5200.053835	5150 – 5250	PASS
5200	20	120	5200.014271	5150 – 5250	PASS
5200	10	120	5199.965523	5150 – 5250	PASS
5200	0	120	5199.962516	5150 – 5250	PASS
5200	-10	120	5199.952315	5150 – 5250	PASS
5200	-20	120	5199.911928	5150 – 5250	PASS
5200	-30	120	5199.978408	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.973756	5150 – 5250	PASS
5240	20	108	5239.927704	5150 – 5250	PASS
5240	50	120	5240.097414	5150 – 5250	PASS
5240	40	120	5239.984200	5150 – 5250	PASS
5240	30	120	5240.083522	5150 – 5250	PASS
5240	20	120	5240.041929	5150 – 5250	PASS
5240	10	120	5240.099265	5150 – 5250	PASS
5240	0	120	5239.960032	5150 – 5250	PASS
5240	-10	120	5240.065624	5150 – 5250	PASS
5240	-20	120	5240.050753	5150 – 5250	PASS
5240	-30	120	5239.943328	5150 – 5250	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5240.034548	5150 – 5250	PASS
5240	20	108	5239.904996	5150 – 5250	PASS
5240	50	120	5239.966104	5150 – 5250	PASS
5240	40	120	5239.971253	5150 – 5250	PASS
5240	30	120	5239.913319	5150 – 5250	PASS
5240	20	120	5240.064747	5150 – 5250	PASS
5240	10	120	5239.927054	5150 – 5250	PASS
5240	0	120	5240.021490	5150 – 5250	PASS
5240	-10	120	5239.900189	5150 – 5250	PASS
5240	-20	120	5240.032933	5150 – 5250	PASS
5240	-30	120	5239.948629	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.098052	5150 – 5250	PASS
5190	20	108	5189.958838	5150 – 5250	PASS
5190	50	120	5189.964864	5150 – 5250	PASS
5190	40	120	5190.043323	5150 – 5250	PASS
5190	30	120	5190.039796	5150 – 5250	PASS
5190	20	120	5190.026123	5150 – 5250	PASS
5190	10	120	5190.043781	5150 – 5250	PASS
5190	0	120	5189.945697	5150 – 5250	PASS
5190	-10	120	5189.914969	5150 – 5250	PASS
5190	-20	120	5190.025199	5150 – 5250	PASS
5190	-30	120	5190.071234	5150 – 5250	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5189.988976	5150 – 5250	PASS
5190	20	108	5189.968657	5150 – 5250	PASS
5190	50	120	5189.997957	5150 – 5250	PASS
5190	40	120	5190.000545	5150 – 5250	PASS
5190	30	120	5190.014710	5150 – 5250	PASS
5190	20	120	5190.033023	5150 – 5250	PASS
5190	10	120	5190.013388	5150 – 5250	PASS
5190	0	120	5190.064777	5150 – 5250	PASS
5190	-10	120	5189.937845	5150 – 5250	PASS
5190	-20	120	5190.042062	5150 – 5250	PASS
5190	-30	120	5190.013000	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.905974	5150 – 5250	PASS
5230	20	108	5229.985751	5150 – 5250	PASS
5230	50	120	5230.014145	5150 – 5250	PASS
5230	40	120	5229.908394	5150 – 5250	PASS
5230	30	120	5229.905277	5150 – 5250	PASS
5230	20	120	5230.050614	5150 – 5250	PASS
5230	10	120	5229.983688	5150 – 5250	PASS
5230	0	120	5230.018767	5150 – 5250	PASS
5230	-10	120	5229.959655	5150 – 5250	PASS
5230	-20	120	5229.939512	5150 – 5250	PASS
5230	-30	120	5229.909162	5150 – 5250	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.994058	5150 – 5250	PASS
5230	20	108	5230.018948	5150 – 5250	PASS
5230	50	120	5229.965028	5150 – 5250	PASS
5230	40	120	5230.071477	5150 – 5250	PASS
5230	30	120	5230.061243	5150 – 5250	PASS
5230	20	120	5230.034887	5150 – 5250	PASS
5230	10	120	5229.958602	5150 – 5250	PASS
5230	0	120	5230.060356	5150 – 5250	PASS
5230	-10	120	5230.043466	5150 – 5250	PASS
5230	-20	120	5230.050272	5150 – 5250	PASS
5230	-30	120	5229.968141	5150 – 5250	PASS

Ant 1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5209.971110	5150 – 5250	PASS
5210	20	108	5209.947573	5150 – 5250	PASS
5210	50	120	5210.086902	5150 – 5250	PASS
5210	40	120	5209.964414	5150 – 5250	PASS
5210	30	120	5209.943007	5150 – 5250	PASS
5210	20	120	5209.970152	5150 – 5250	PASS
5210	10	120	5209.996796	5150 – 5250	PASS
5210	0	120	5210.076843	5150 – 5250	PASS
5210	-10	120	5210.058472	5150 – 5250	PASS
5210	-20	120	5209.953672	5150 – 5250	PASS
5210	-30	120	5210.084144	5150 – 5250	PASS

Ant 2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5209.918345	5150 – 5250	PASS
5210	20	108	5210.001391	5150 – 5250	PASS
5210	50	120	5209.955042	5150 – 5250	PASS
5210	40	120	5210.004358	5150 – 5250	PASS
5210	30	120	5210.098033	5150 – 5250	PASS
5210	20	120	5210.089388	5150 – 5250	PASS
5210	10	120	5210.087877	5150 – 5250	PASS
5210	0	120	5210.067806	5150 – 5250	PASS
5210	-10	120	5209.936808	5150 – 5250	PASS
5210	-20	120	5210.009391	5150 – 5250	PASS
5210	-30	120	5209.959895	5150 – 5250	PASS

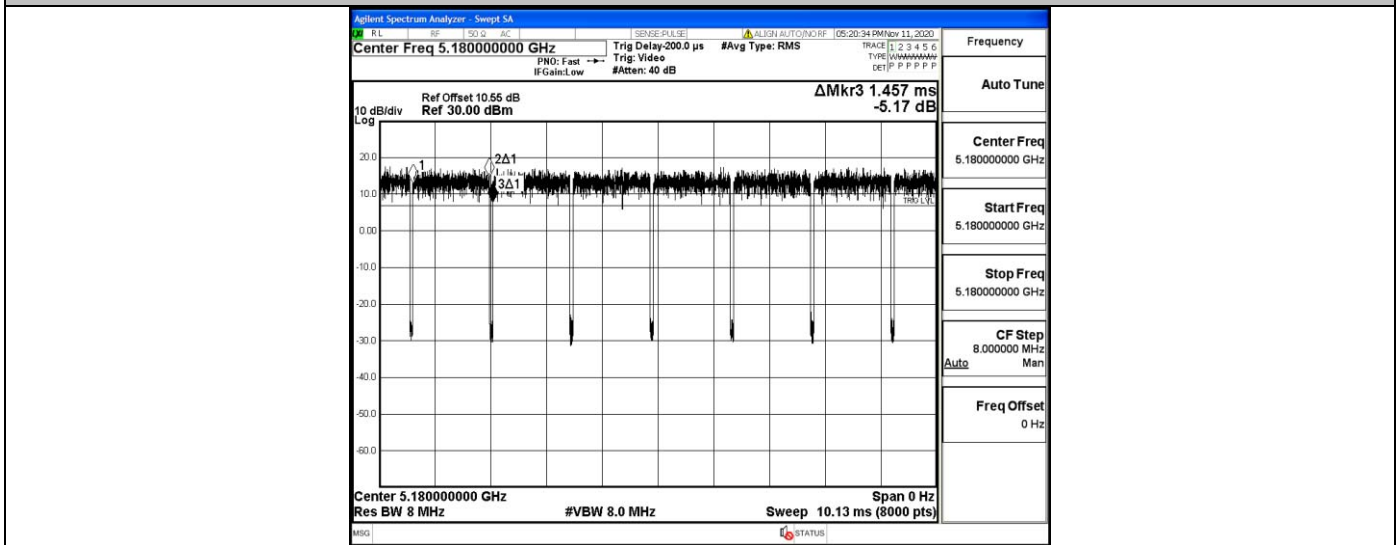
Appendix F: Duty Cycle

Test Result

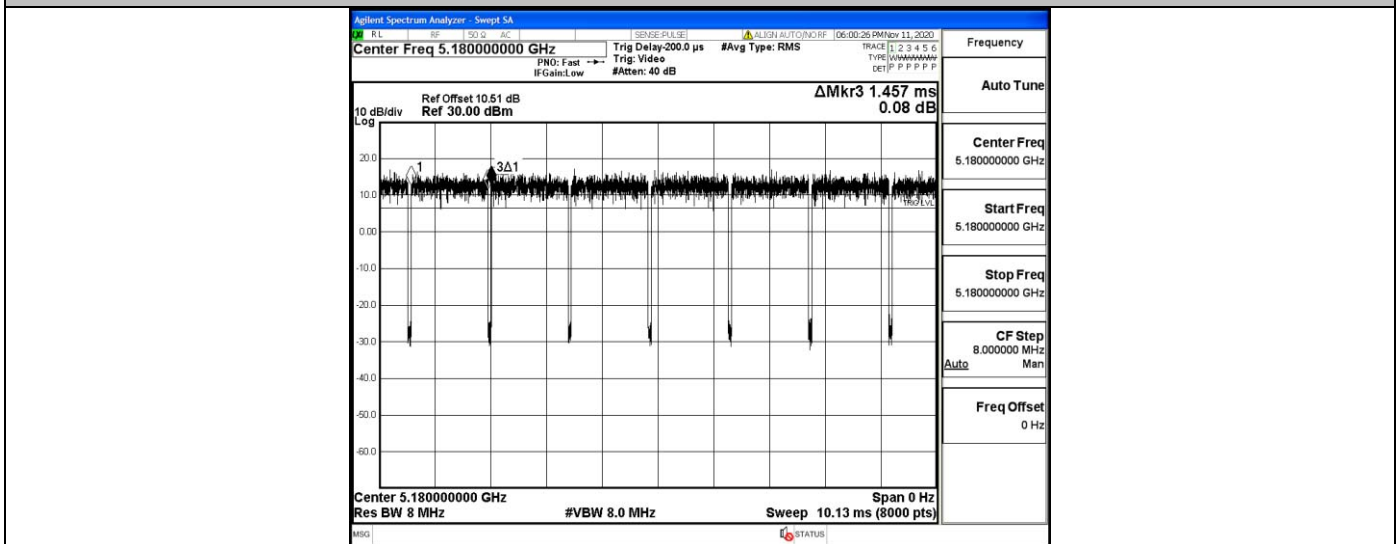
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.46	95.65
	Ant2	5180	1.39	1.46	95.65
	Ant1	5200	1.39	1.46	95.65
	Ant2	5200	1.39	1.46	95.65
	Ant1	5240	1.39	1.46	95.65
	Ant2	5240	1.39	1.46	95.65
11N20MIMO	Ant1	5180	1.31	1.37	95.46
	Ant2	5180	1.30	1.37	95.37
	Ant1	5200	1.30	1.37	95.37
	Ant2	5200	1.30	1.37	95.37
	Ant1	5240	1.31	1.37	95.37
	Ant2	5240	1.31	1.37	95.37
11N40MIMO	Ant1	5190	0.34	0.40	84.33
	Ant2	5190	0.34	0.40	84.64
	Ant1	5230	0.34	0.40	84.64
	Ant2	5230	0.34	0.40	84.33
11AC20MIMO	Ant1	5180	0.68	0.74	91.50
	Ant2	5180	0.68	0.75	91.34
	Ant1	5200	0.68	0.74	91.50
	Ant2	5200	0.68	0.74	91.50
	Ant1	5240	0.68	0.74	91.50
	Ant2	5240	0.68	0.74	91.50
11AC40MIMO	Ant1	5190	0.35	0.41	84.66
	Ant2	5190	0.35	0.41	84.66
	Ant1	5230	0.35	0.41	84.92
	Ant2	5230	0.35	0.41	84.66
11AC80MIMO	Ant1	5210	0.18	0.25	74.87
	Ant2	5210	0.18	0.25	74.87

Test Graphs

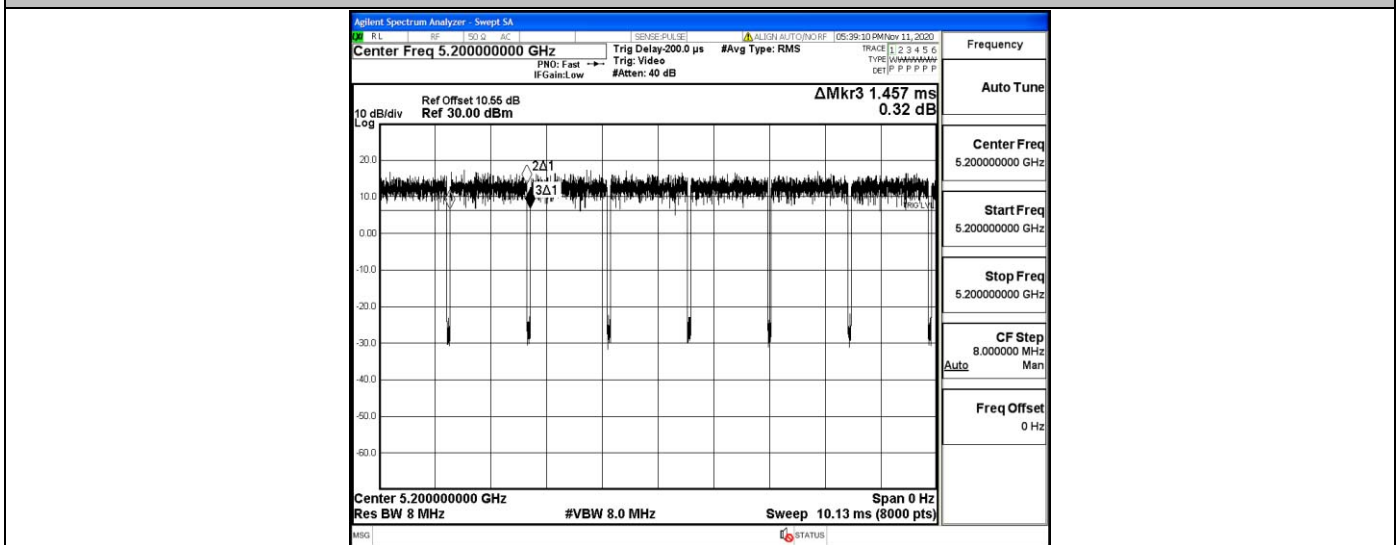
11A_Ant1_5180



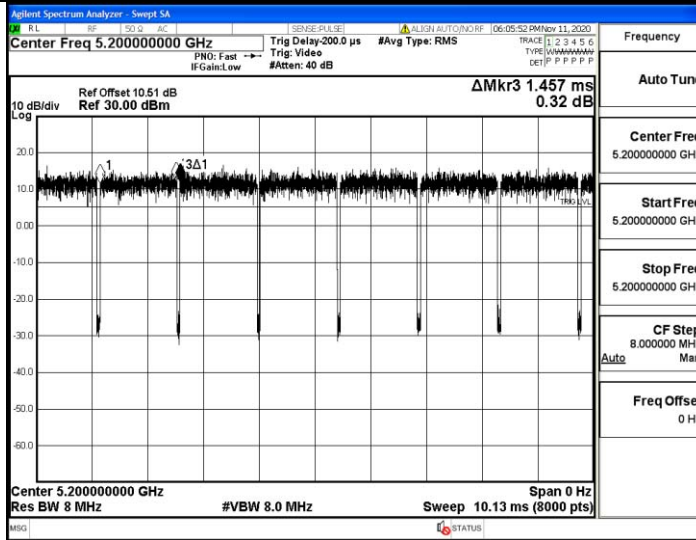
11A_Ant2_5180



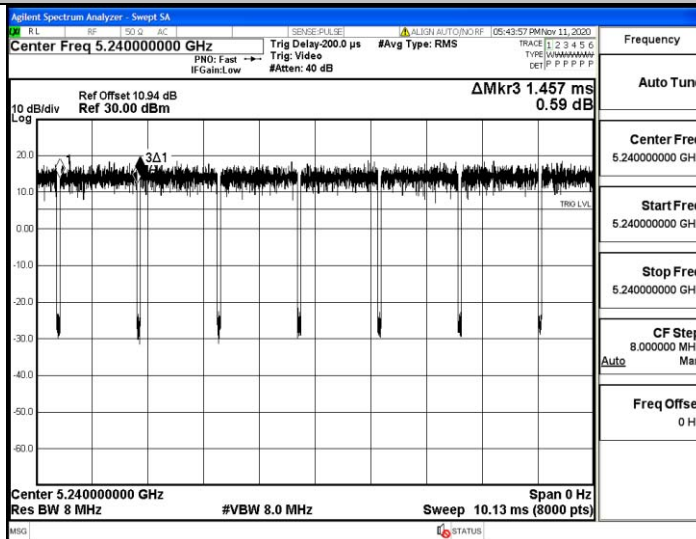
11A_Ant1_5200



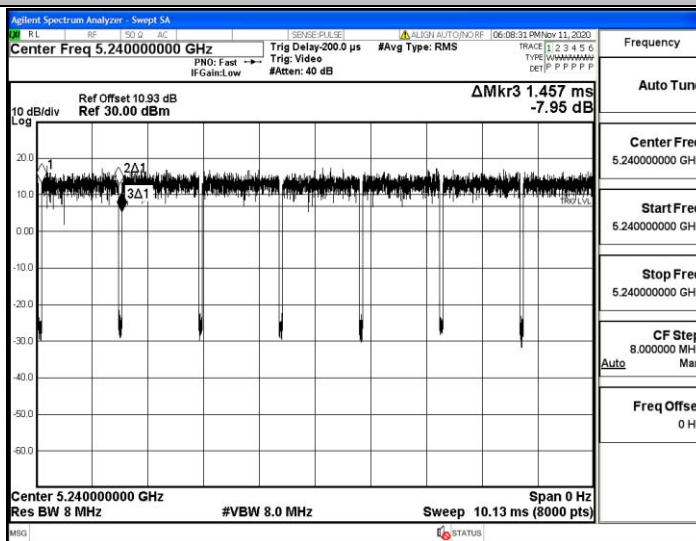
11A_Ant2_5200



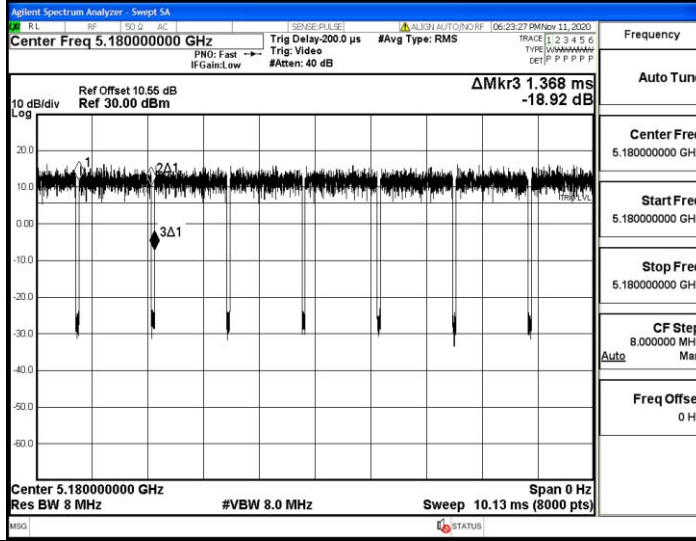
11A_Ant1_5240



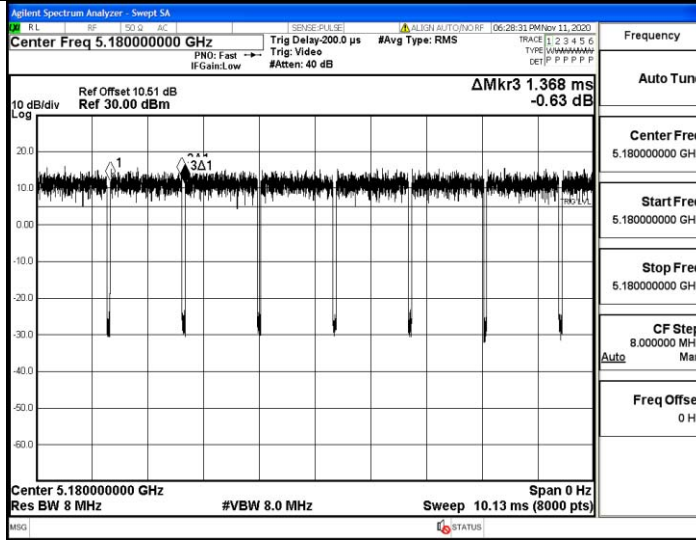
11A_Ant2_5240



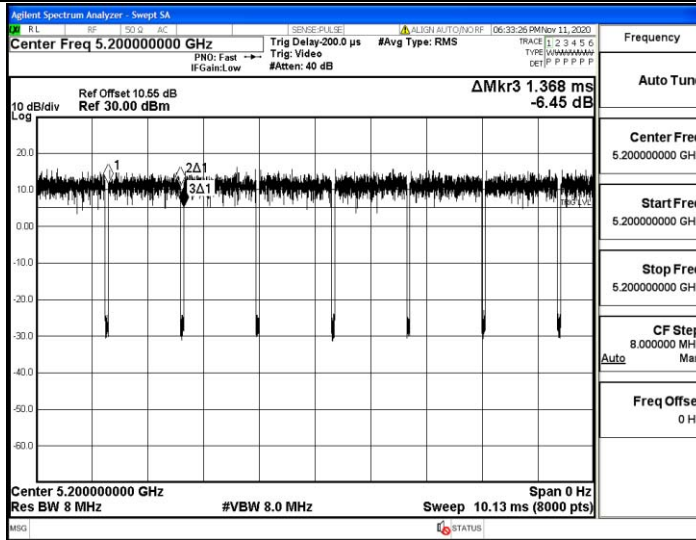
11N20MIMO_Ant1_5180



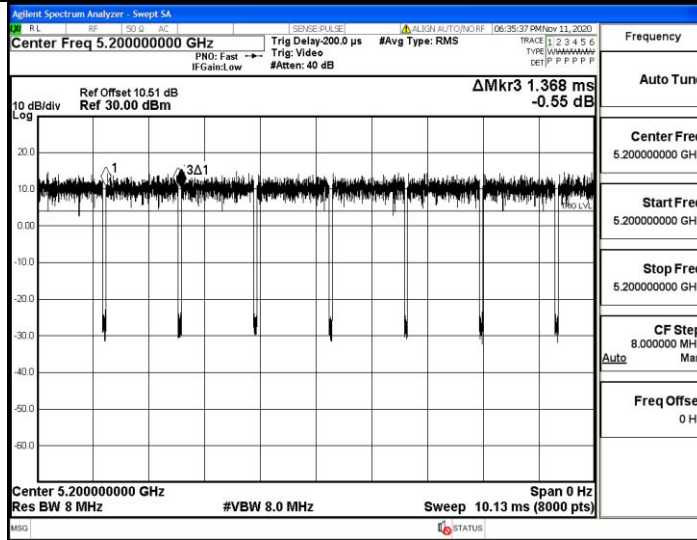
11N20MIMO_Ant2_5180



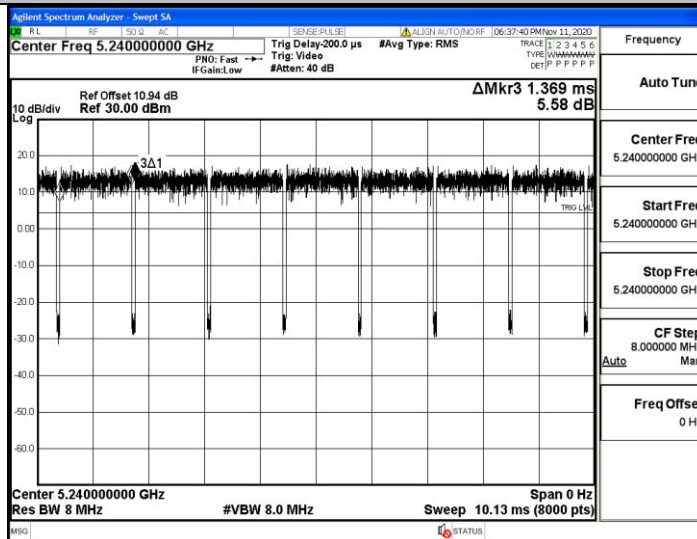
11N20MIMO_Ant1_5200



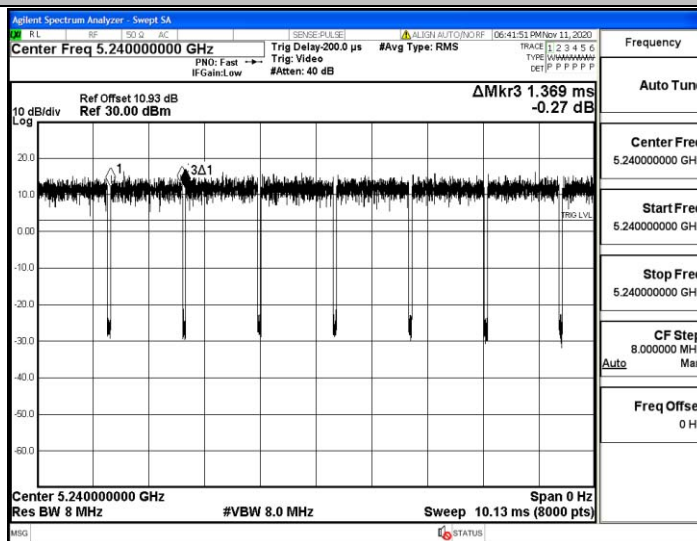
11N20MIMO_Ant2_5200



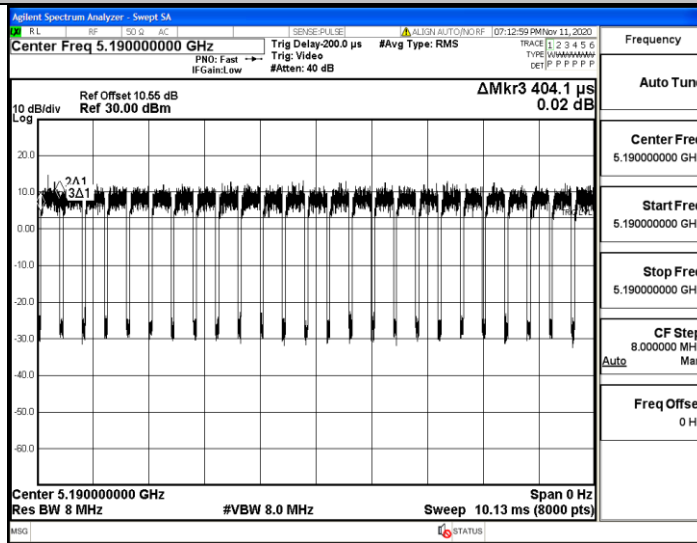
11N20MIMO_Ant1_5240



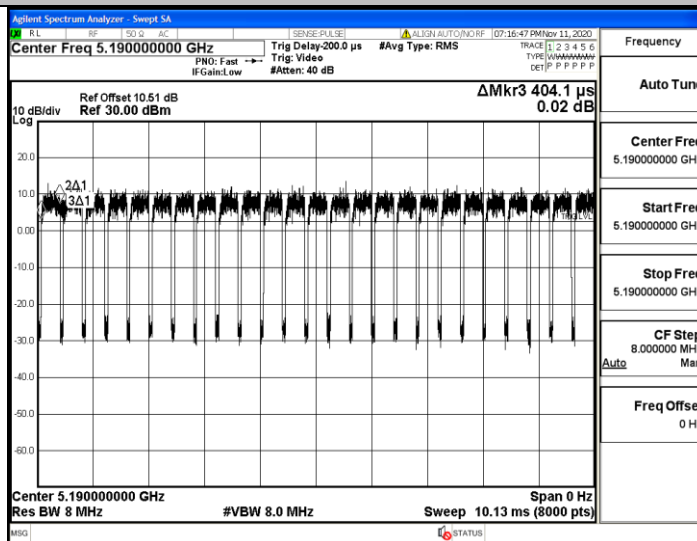
11N20MIMO_Ant2_5240



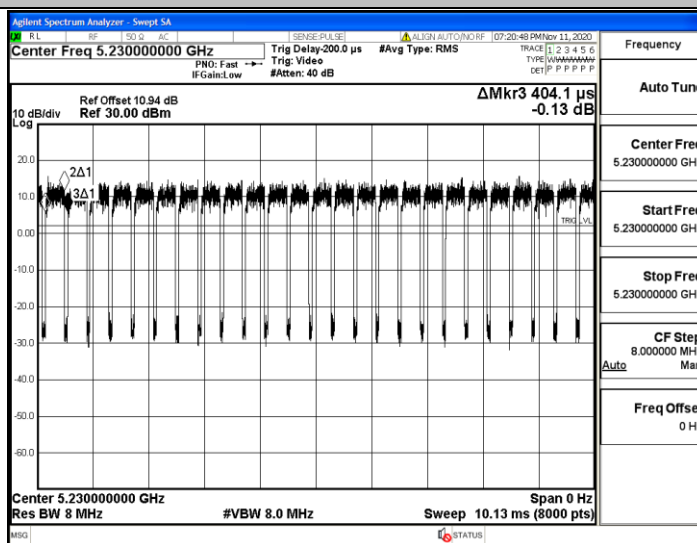
11N40MIMO_Ant1_5190



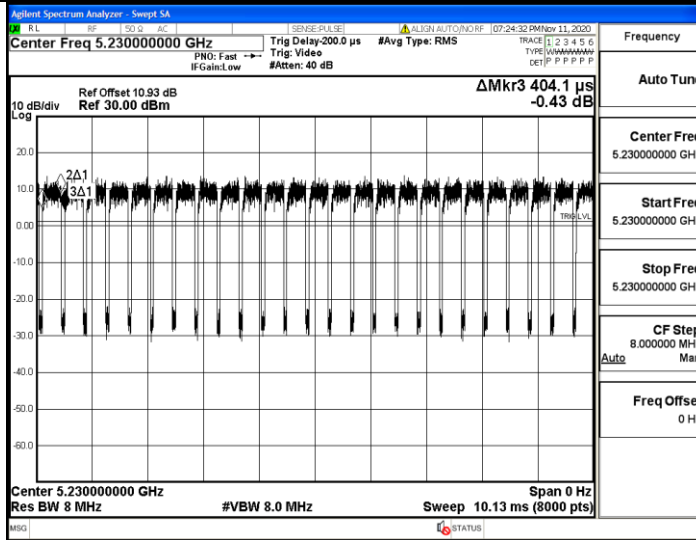
11N40MIMO_Ant2_5190



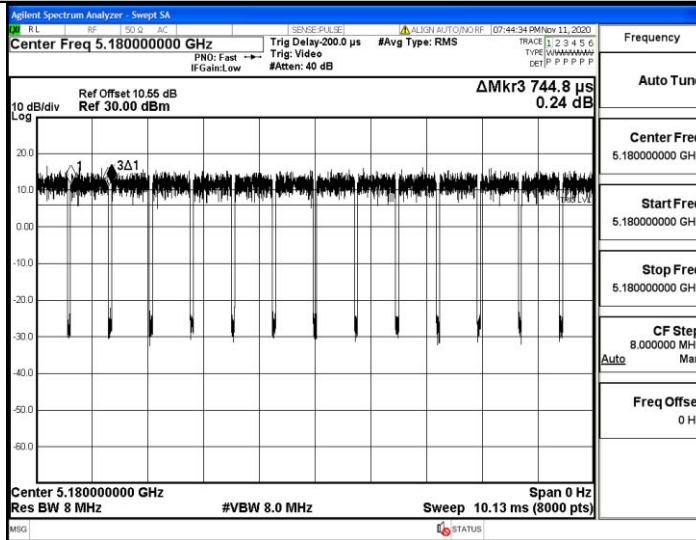
11N40MIMO_Ant1_5230



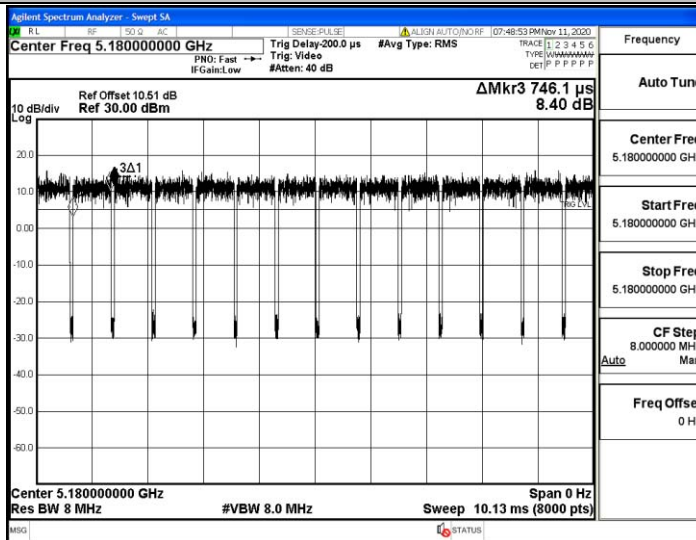
11N40MIMO_Ant2_5230



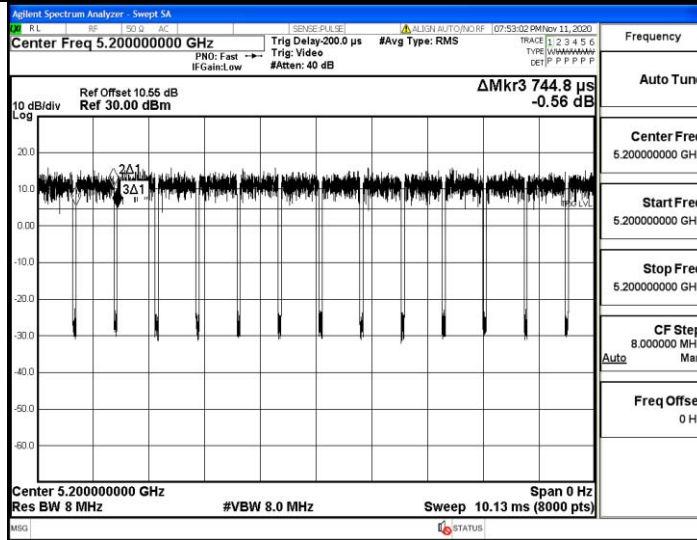
11AC20MIMO_Ant1_5180



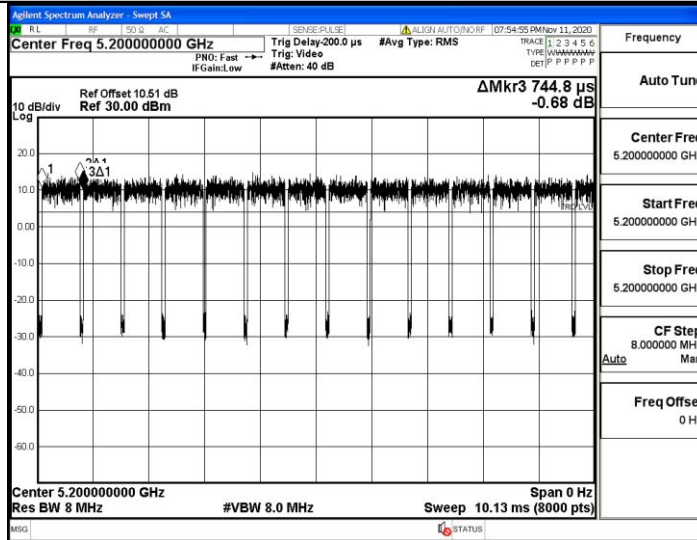
11AC20MIMO_Ant2_5180



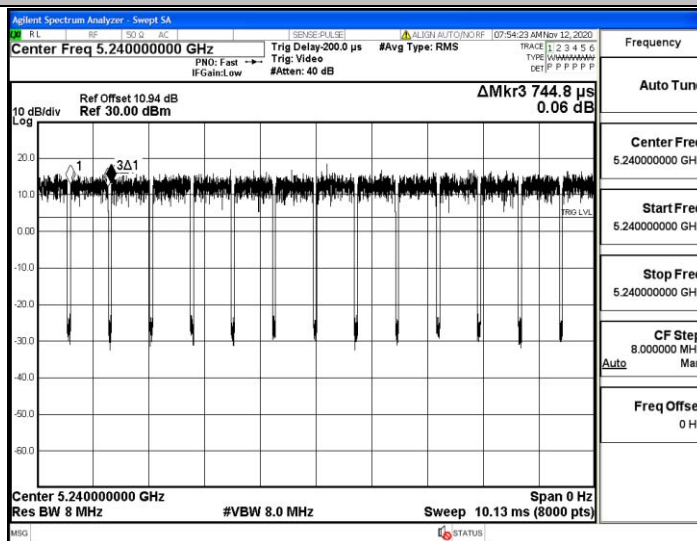
11AC20MIMO_Ant1_5200



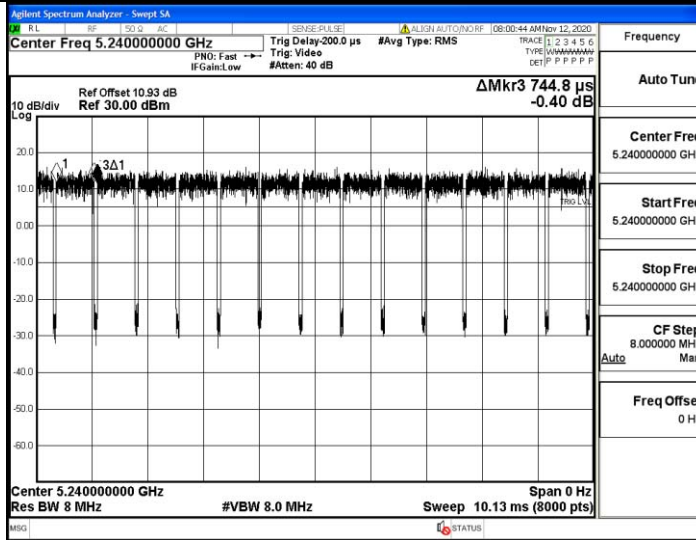
11AC20MIMO_Ant2_5200



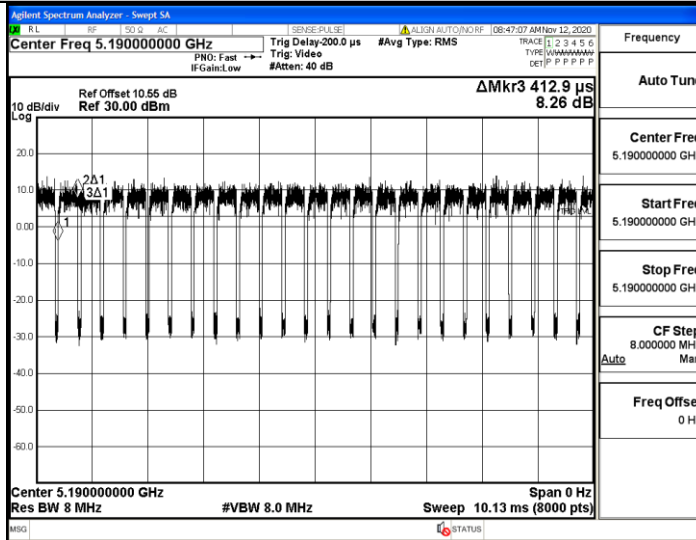
11AC20MIMO_Ant1_5240



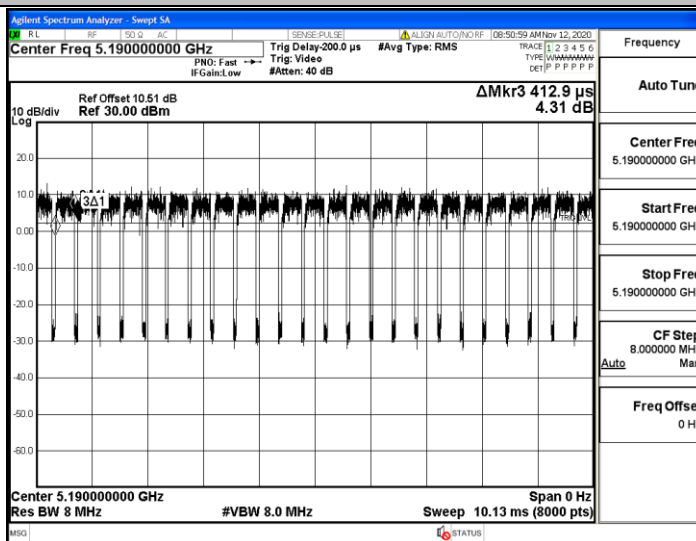
11AC20MIMO_Ant2_5240



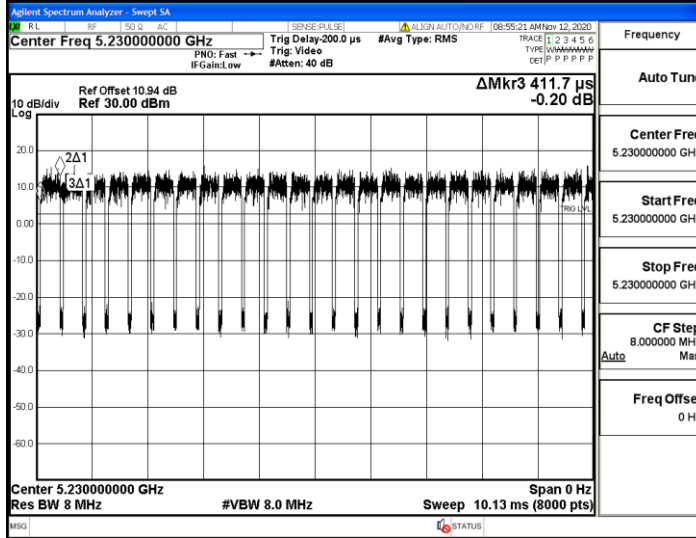
11AC40MIMO_Ant1_5190



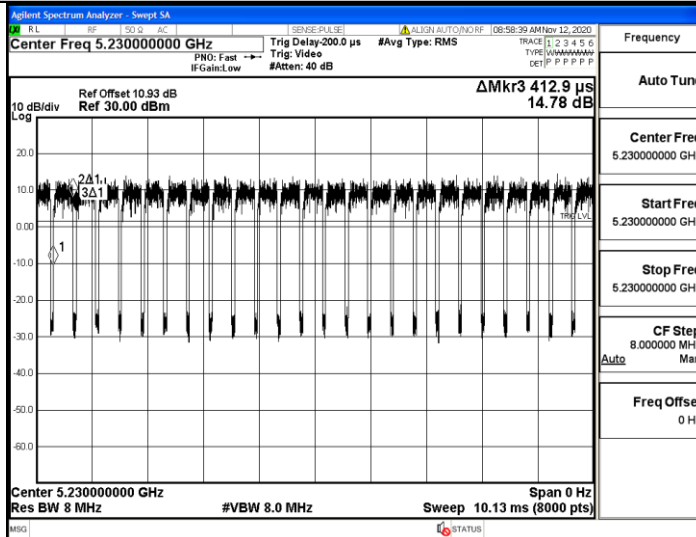
11AC40MIMO_Ant2_5190



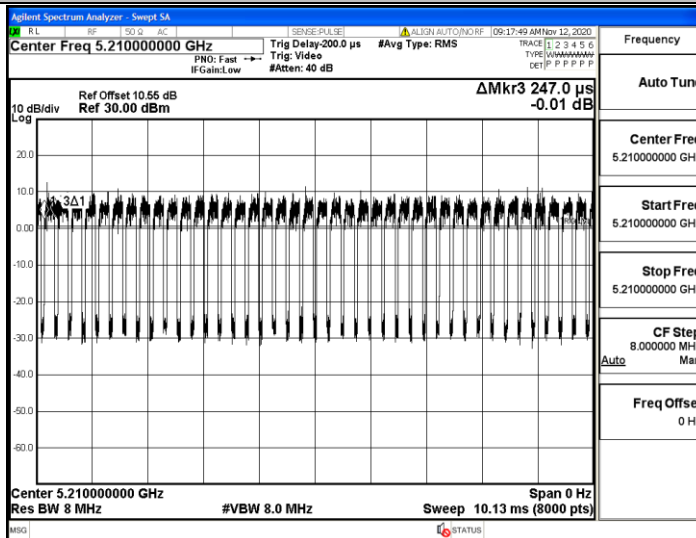
11AC40MIMO_Ant1_5230



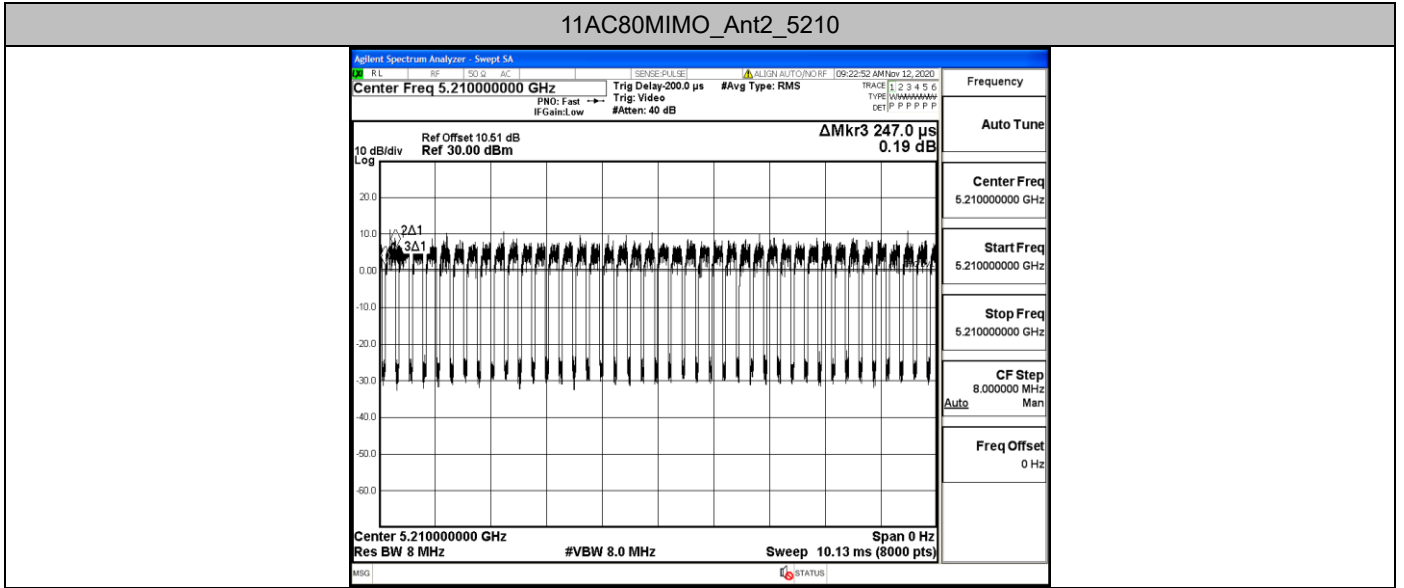
11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



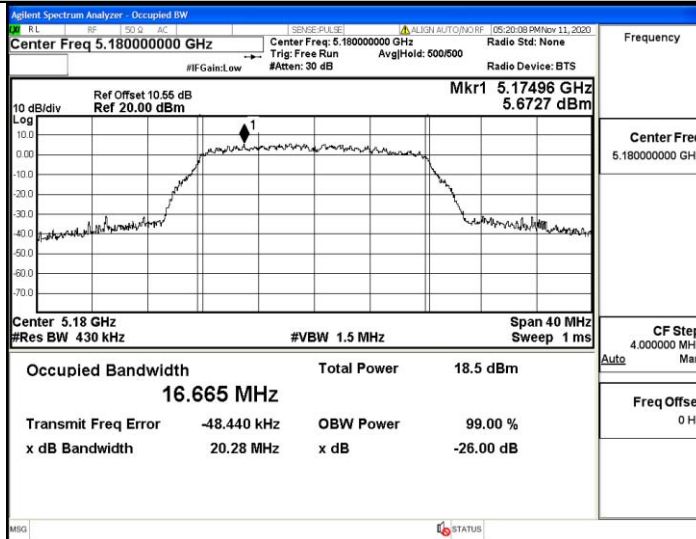
Appendix H: Occupied channel bandwidth

Test Result

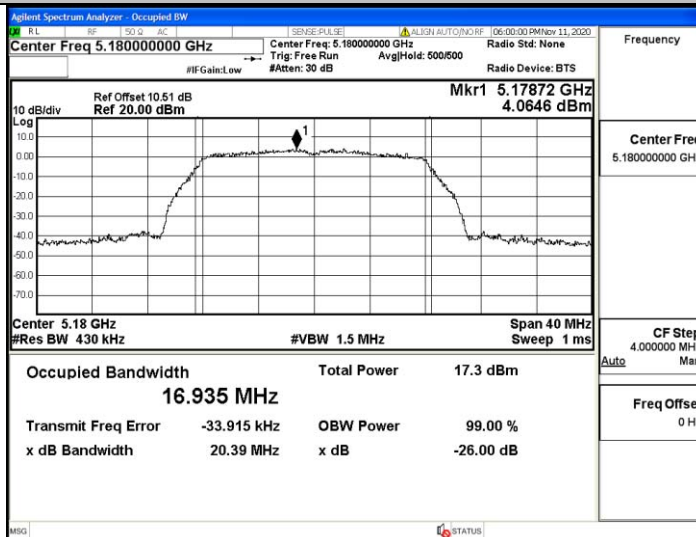
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.665	5171.619	5188.284	---	PASS
	Ant2	5180	16.935	5171.499	5188.434	---	PASS
	Ant1	5200	16.840	5191.640	5208.480	---	PASS
	Ant2	5200	17.042	5191.535	5208.577	---	PASS
	Ant1	5240	16.932	5231.534	5248.466	---	PASS
	Ant2	5240	17.069	5231.427	5248.496	---	PASS
11N20MIMO	Ant1	5180	17.709	5171.105	5188.814	---	PASS
	Ant2	5180	17.827	5171.063	5188.890	---	PASS
	Ant1	5200	17.763	5191.148	5208.911	---	PASS
	Ant2	5200	17.929	5191.081	5209.010	---	PASS
	Ant1	5240	17.772	5231.113	5248.885	---	PASS
	Ant2	5240	17.932	5231.042	5248.974	---	PASS
11N40MIMO	Ant1	5190	36.414	5171.817	5208.231	---	PASS
	Ant2	5190	36.403	5171.833	5208.236	---	PASS
	Ant1	5230	36.413	5211.873	5248.286	---	PASS
	Ant2	5230	36.372	5211.855	5248.227	---	PASS
11AC20MIMO	Ant1	5180	17.661	5171.153	5188.814	---	PASS
	Ant2	5180	17.819	5171.056	5188.875	---	PASS
	Ant1	5200	17.715	5191.173	5208.888	---	PASS
	Ant2	5200	17.956	5191.080	5209.036	---	PASS
	Ant1	5240	17.774	5231.134	5248.908	---	PASS
	Ant2	5240	17.921	5231.044	5248.965	---	PASS
11AC40MIMO	Ant1	5190	36.325	5171.873	5208.198	---	PASS
	Ant2	5190	36.411	5171.844	5208.255	---	PASS
	Ant1	5230	36.224	5211.987	5248.211	---	PASS
	Ant2	5230	36.272	5211.959	5248.231	---	PASS
11AC80MIMO	Ant1	5210	75.394	5172.368	5247.762	---	PASS
	Ant2	5210	75.458	5172.353	5247.811	---	PASS

Test Graphs

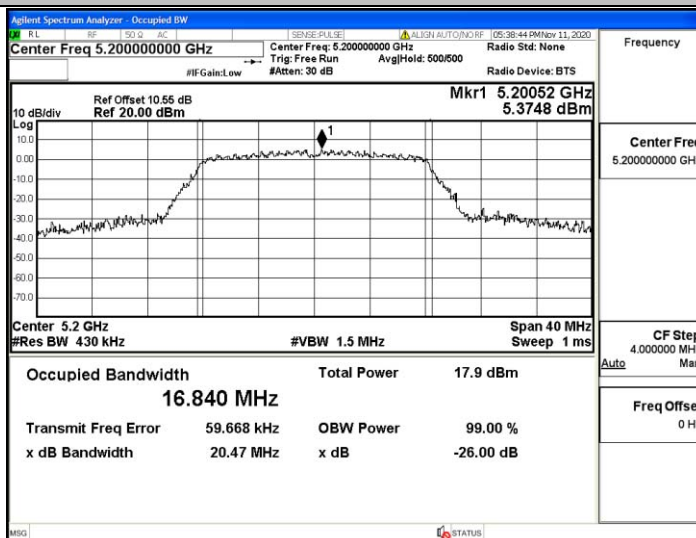
11A_Ant1_5180



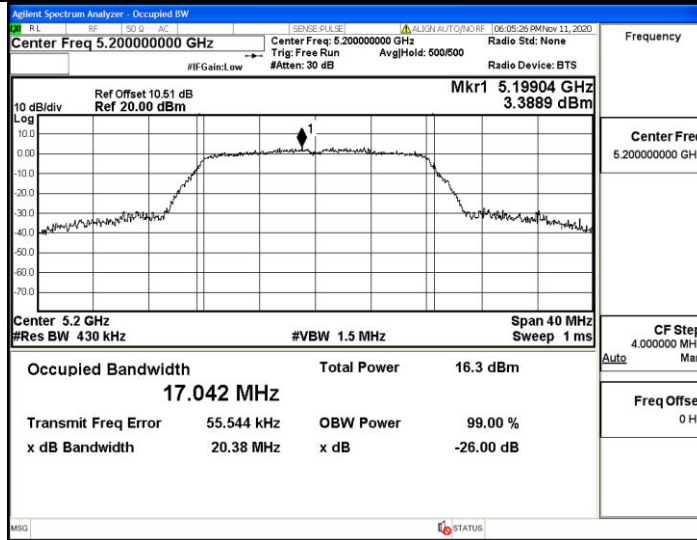
11A_Ant2_5180



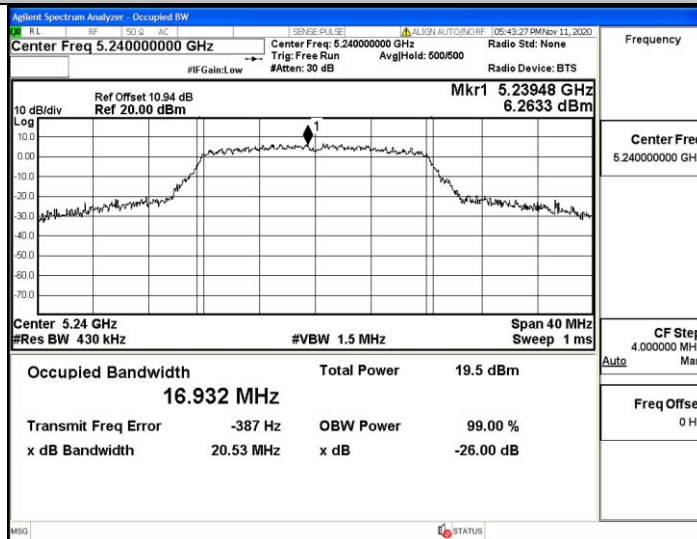
11A_Ant1_5200



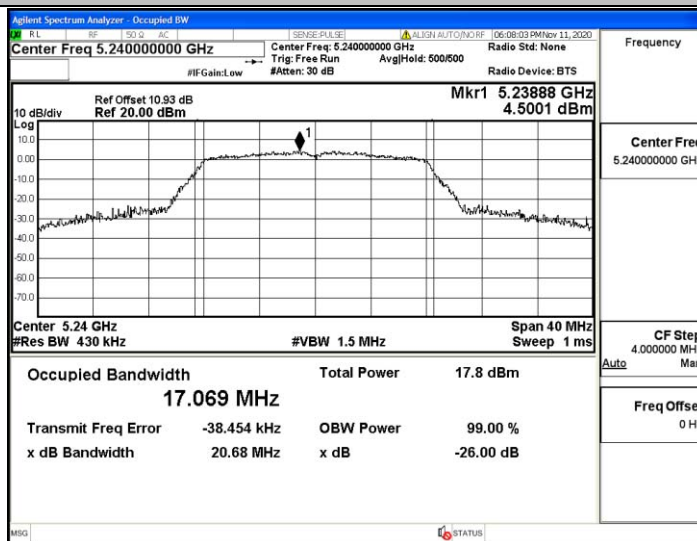
11A_Ant2_5200



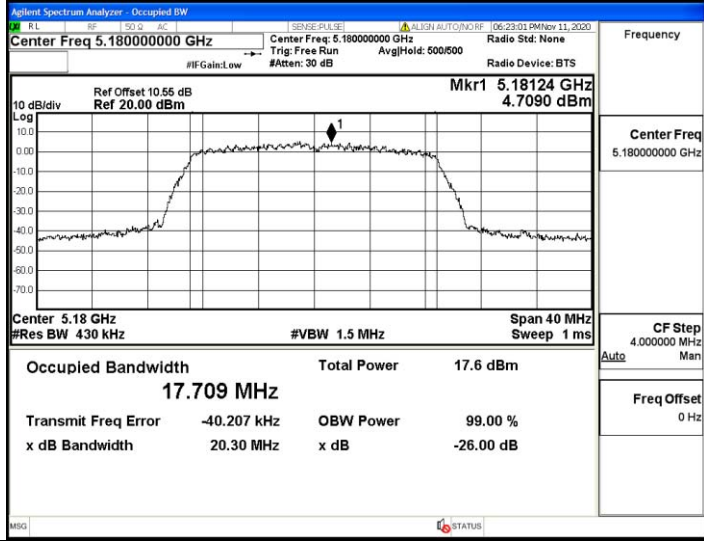
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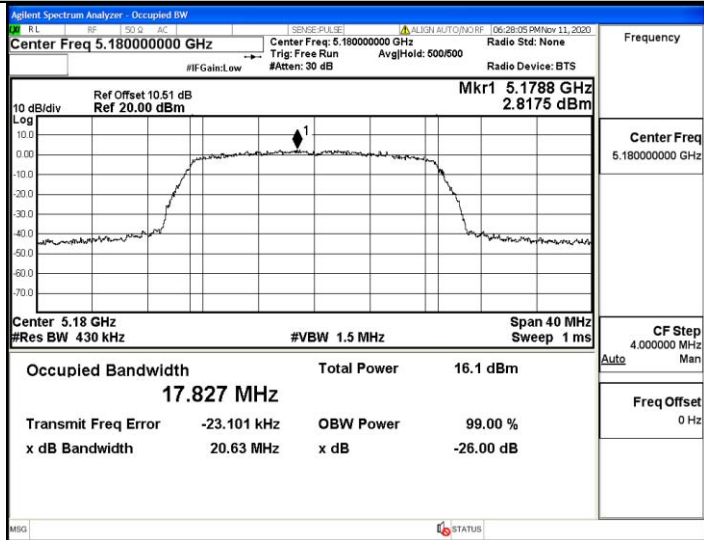
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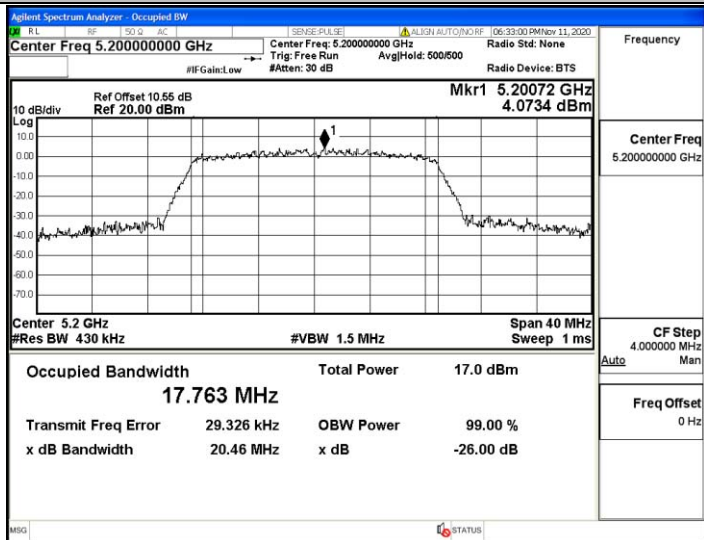
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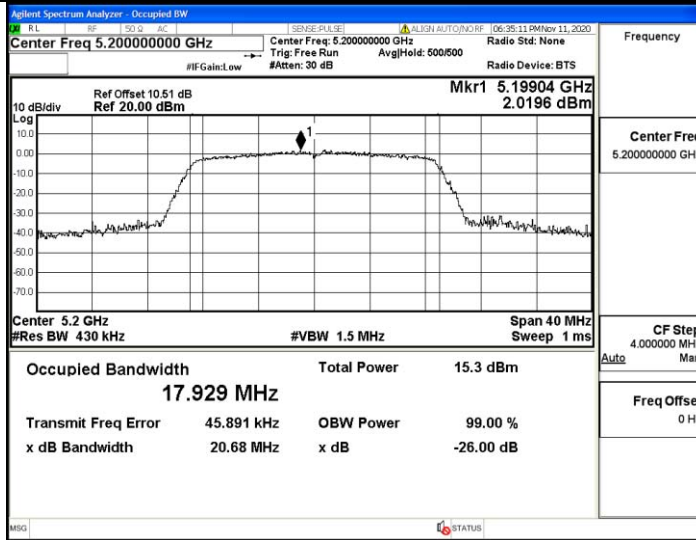
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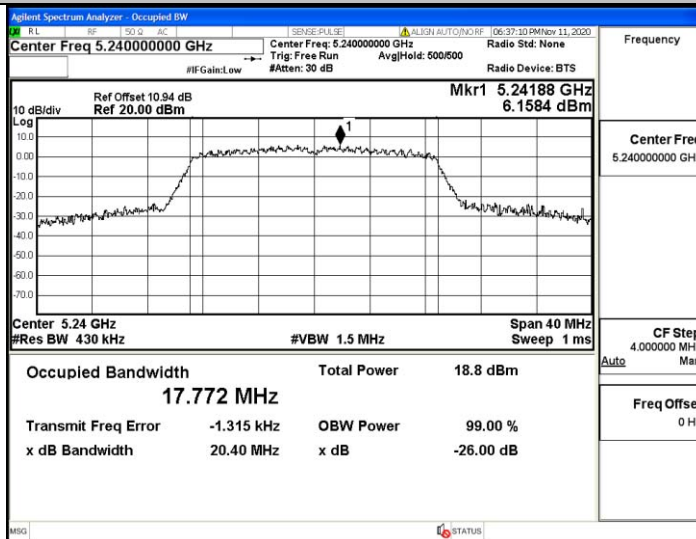
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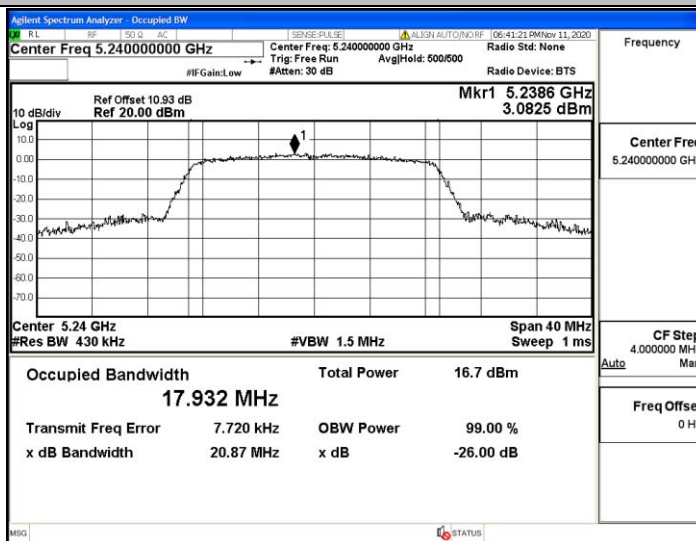
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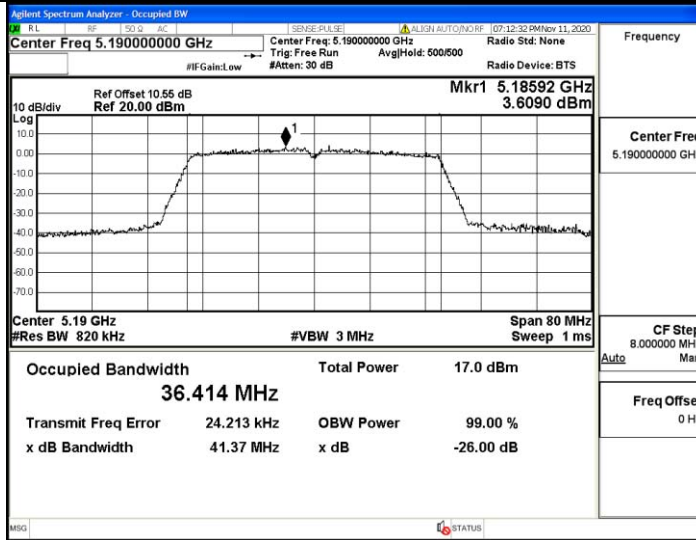
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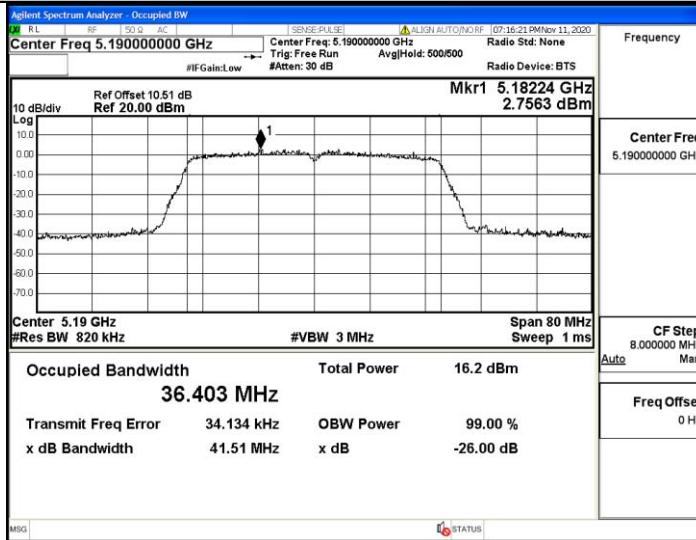
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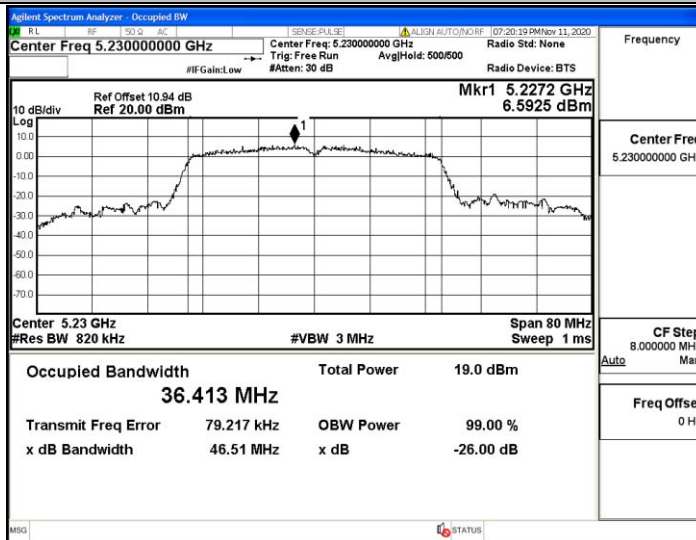
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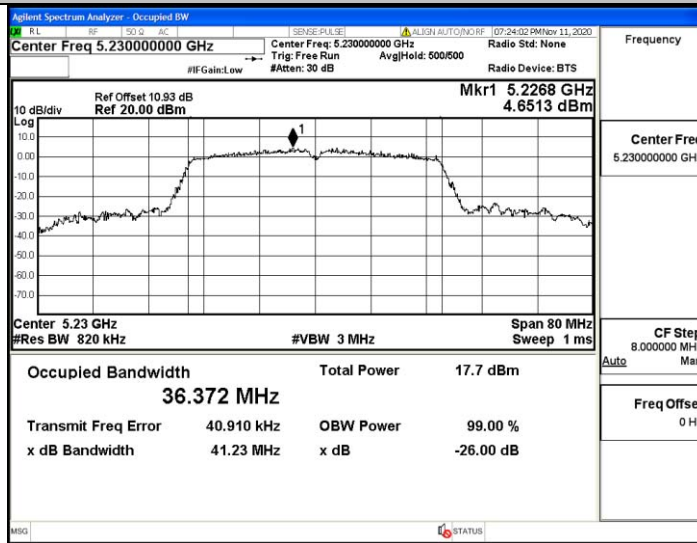
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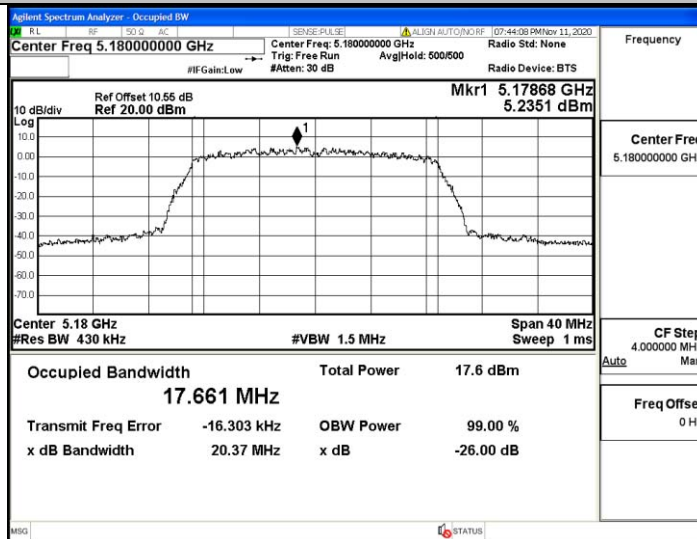
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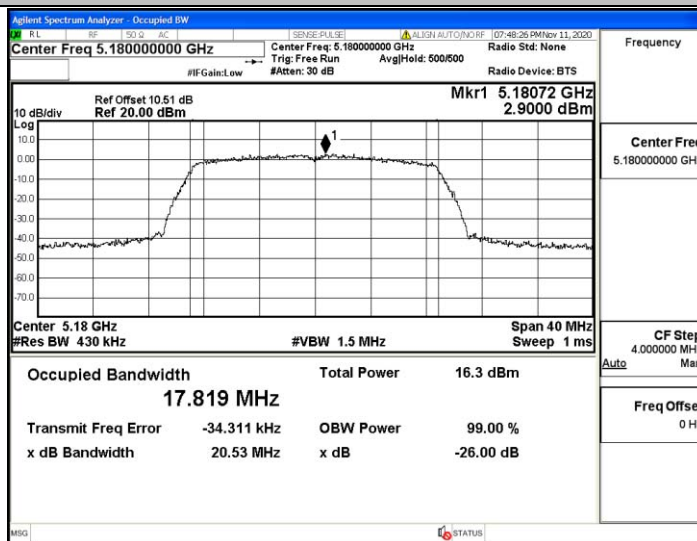
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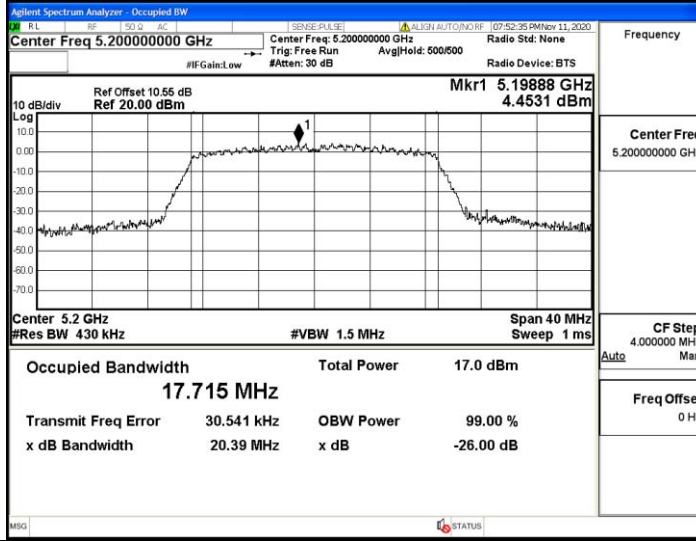
11AC20MIMO_Ant1_5180



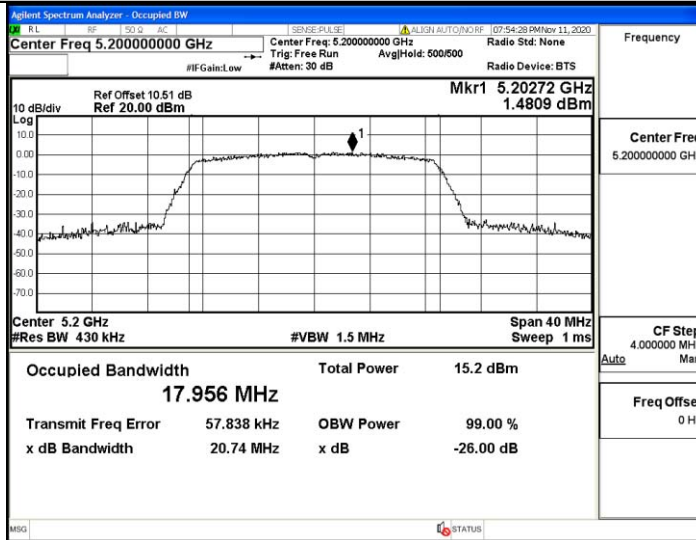
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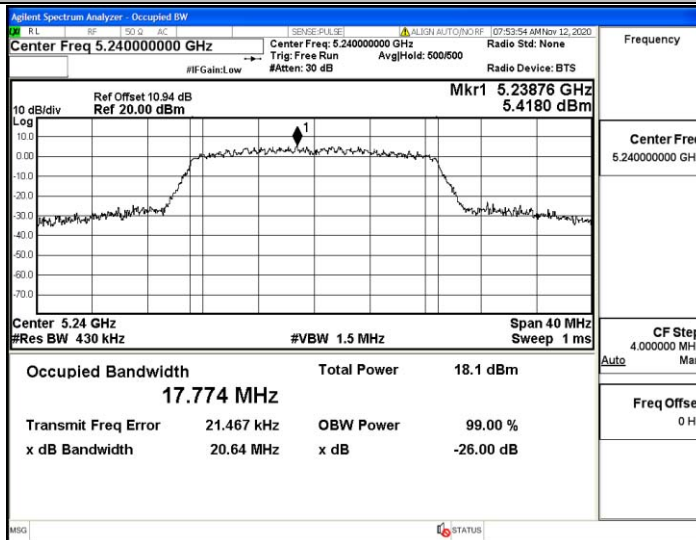
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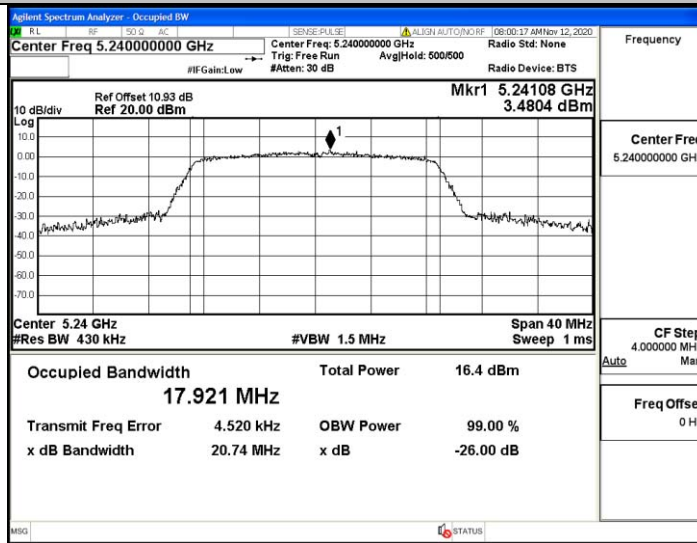
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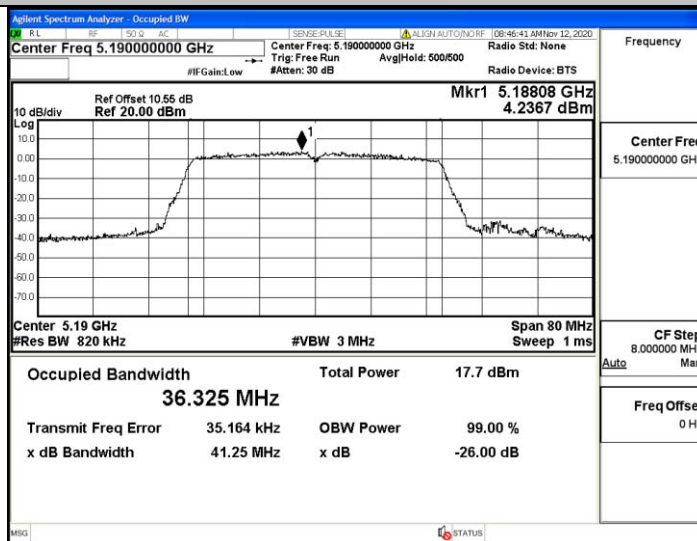
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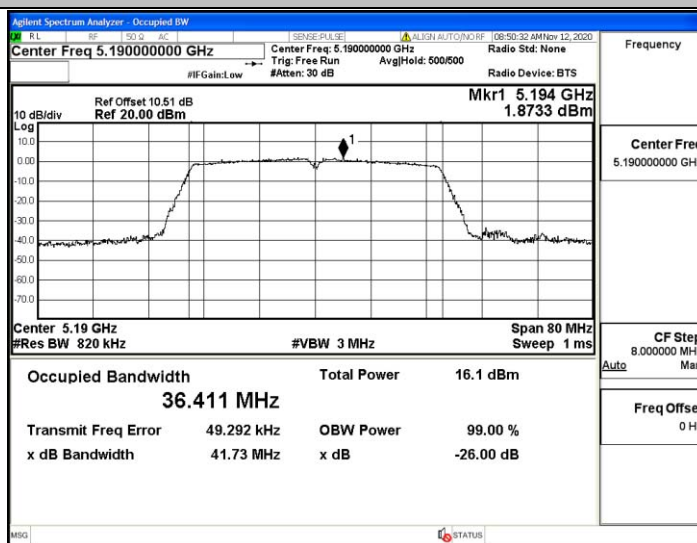
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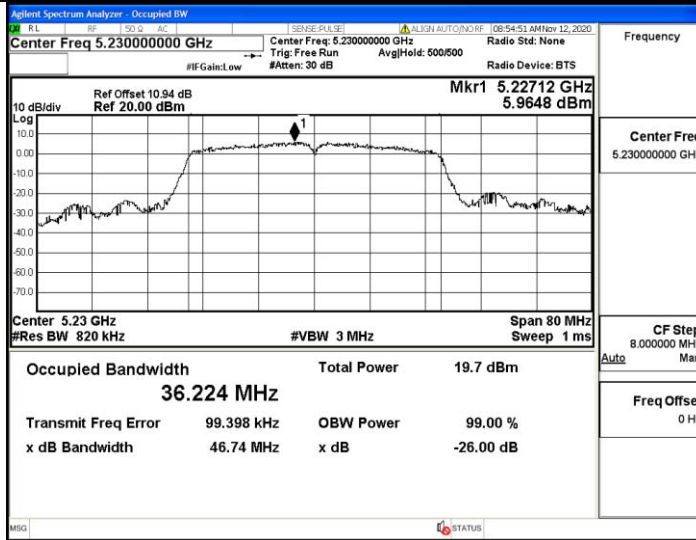
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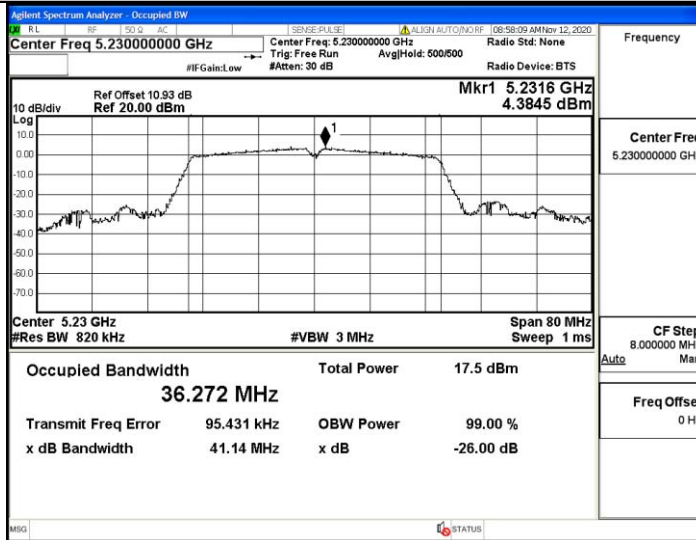
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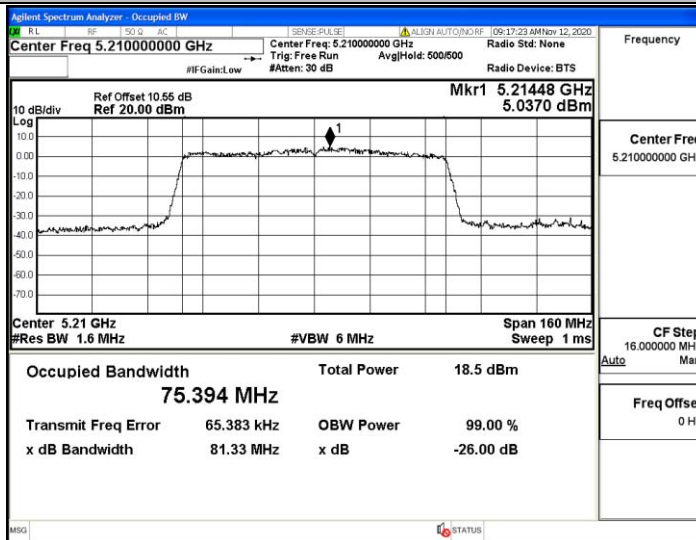
11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210

