

RF Test Data for RLAN(5.2G) (Conducted Measurement)

Product Name: NucBox3

Trade Mark: GMKtec,GMKTEC

Test Model: KB3

FCC ID: 2AXUD-KB3

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

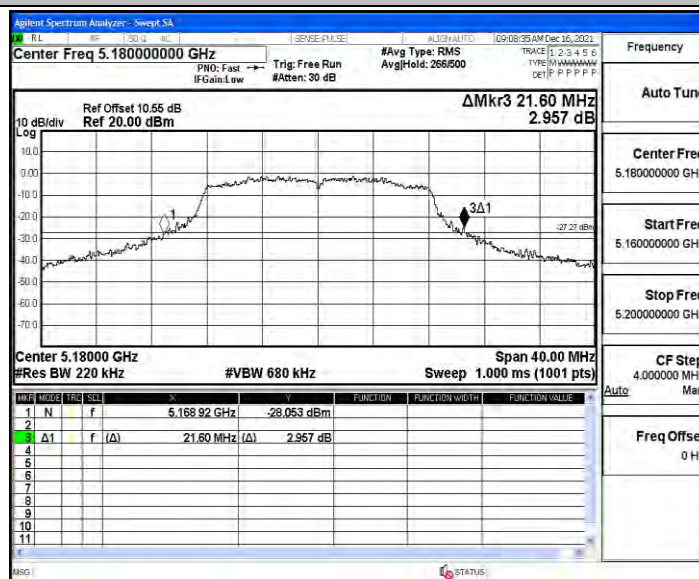
Appendix A1: Emission Bandwidth

Test Result

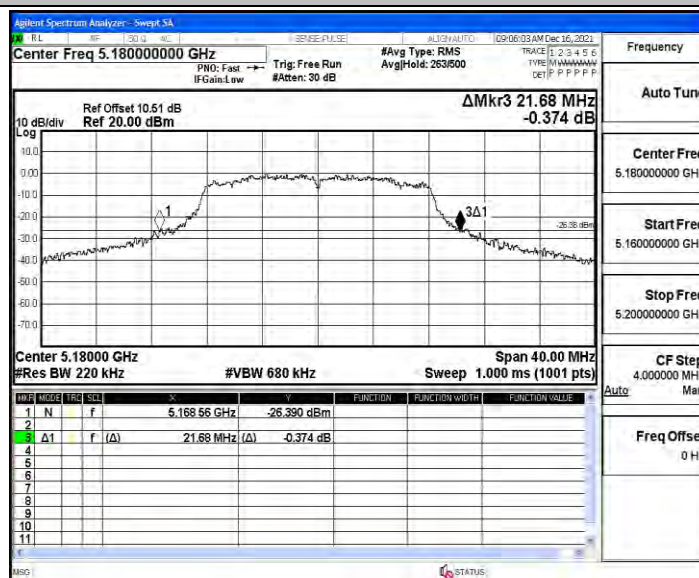
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.600	5168.920	5190.520	---	PASS
	Ant2	5180	21.680	5168.560	5190.240	---	PASS
	Ant1	5200	22.520	5188.560	5211.080	---	PASS
	Ant2	5200	21.240	5189.520	5210.760	---	PASS
	Ant1	5240	22.080	5228.680	5250.760	---	PASS
	Ant2	5240	22.400	5228.400	5250.800	---	PASS
11N20MIMO	Ant1	5180	21.360	5168.920	5190.280	---	PASS
	Ant2	5180	22.200	5168.520	5190.720	---	PASS
	Ant1	5200	21.960	5189.160	5211.120	---	PASS
	Ant2	5200	23.040	5188.760	5211.800	---	PASS
	Ant1	5240	21.720	5228.960	5250.680	---	PASS
	Ant2	5240	23.480	5228.360	5251.840	---	PASS
11N40MIMO	Ant1	5190	43.440	5167.680	5211.120	---	PASS
	Ant2	5190	42.400	5168.480	5210.880	---	PASS
	Ant1	5230	41.280	5209.680	5250.960	---	PASS
	Ant2	5230	42.000	5209.280	5251.280	---	PASS
11AC20MIMO	Ant1	5180	22.640	5168.120	5190.760	---	PASS
	Ant2	5180	22.640	5168.680	5191.320	---	PASS
	Ant1	5200	22.760	5188.960	5211.720	---	PASS
	Ant2	5200	22.040	5189.360	5211.400	---	PASS
	Ant1	5240	21.960	5229.120	5251.080	---	PASS
	Ant2	5240	23.480	5227.560	5251.040	---	PASS
11AC40MIMO	Ant1	5190	42.320	5169.360	5211.680	---	PASS
	Ant2	5190	40.960	5169.200	5210.160	---	PASS
	Ant1	5230	41.760	5209.440	5251.200	---	PASS
	Ant2	5230	41.040	5209.840	5250.880	---	PASS
11AC80MIMO	Ant1	5210	80.960	5169.680	5250.640	---	PASS
	Ant2	5210	80.480	5169.840	5250.320	---	PASS

Test Graphs

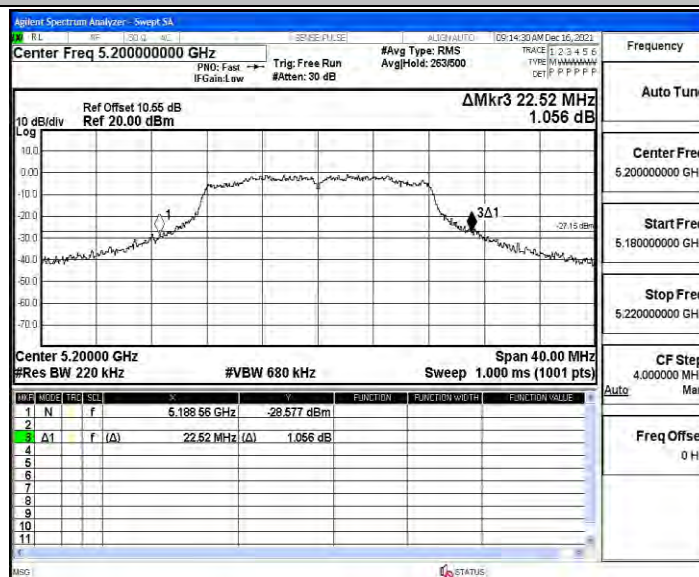
11A_Ant1_5180



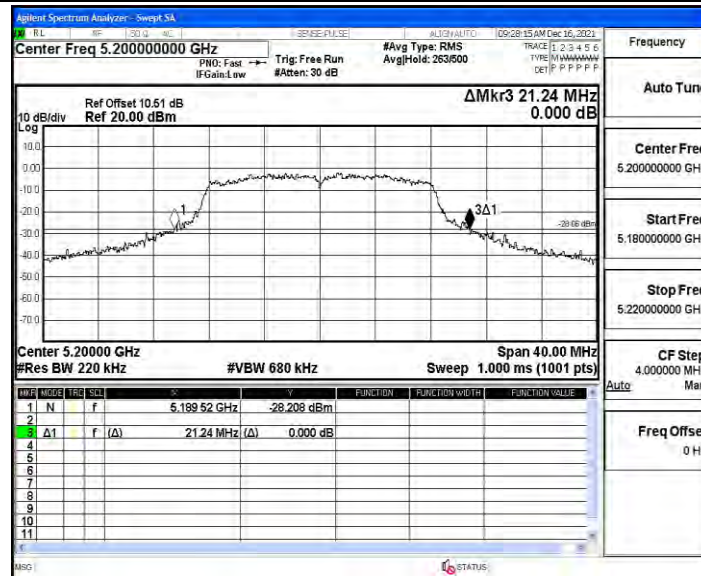
11A_Ant2_5180



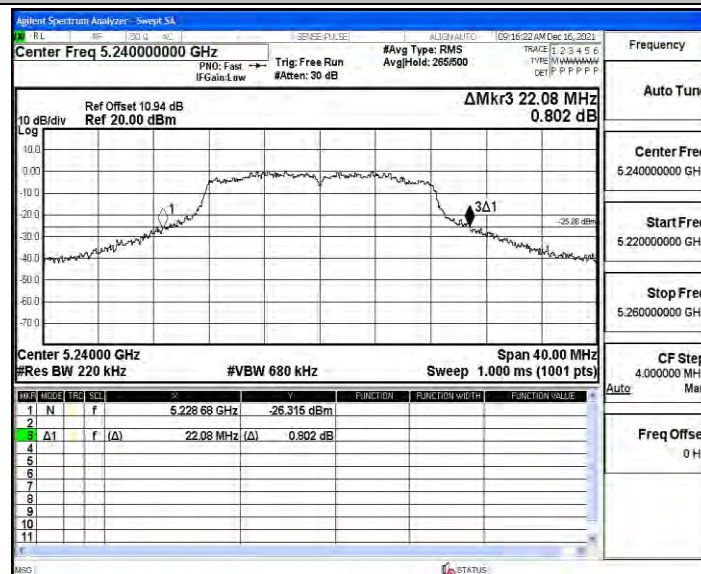
11A_Ant1_5200



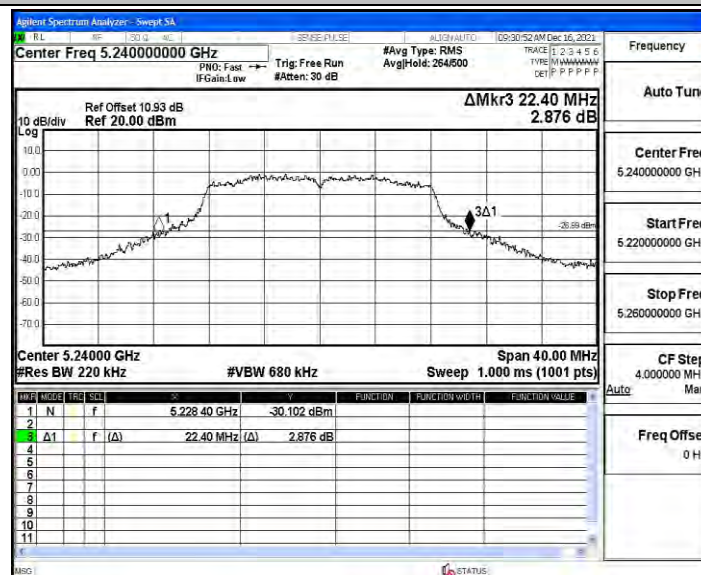
11A_Ant2_5200



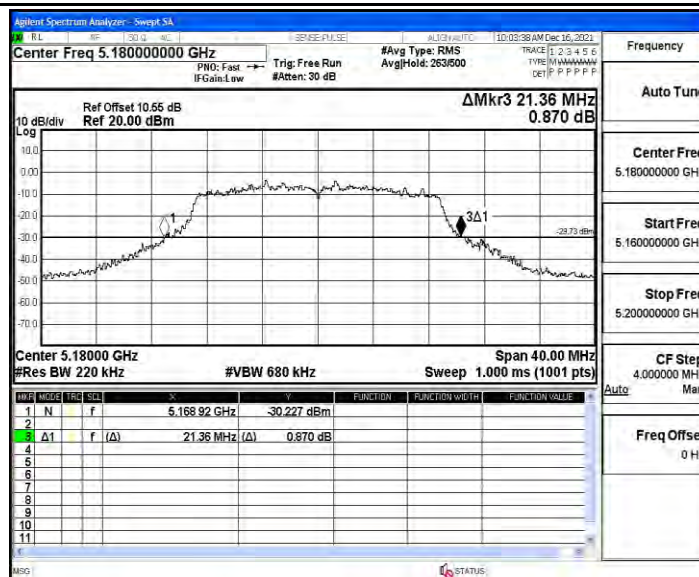
11A_Ant1_5240



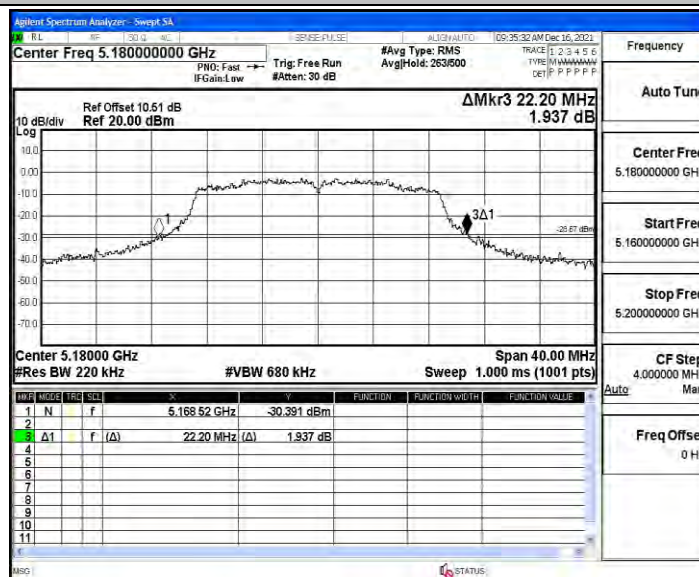
11A_Ant2_5240



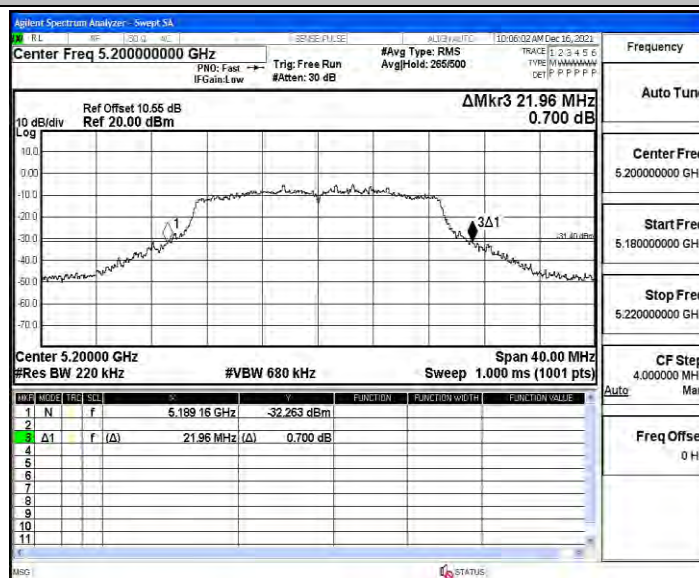
11N20MIMO_Ant1_5180



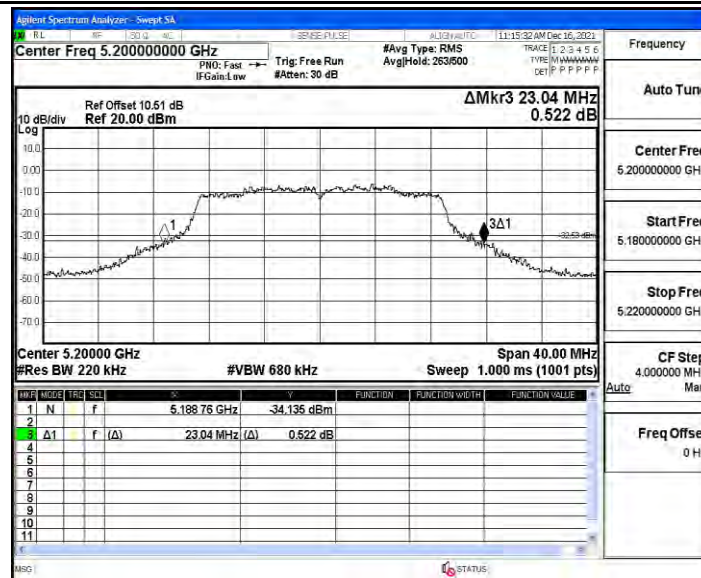
11N20MIMO_Ant2_5180



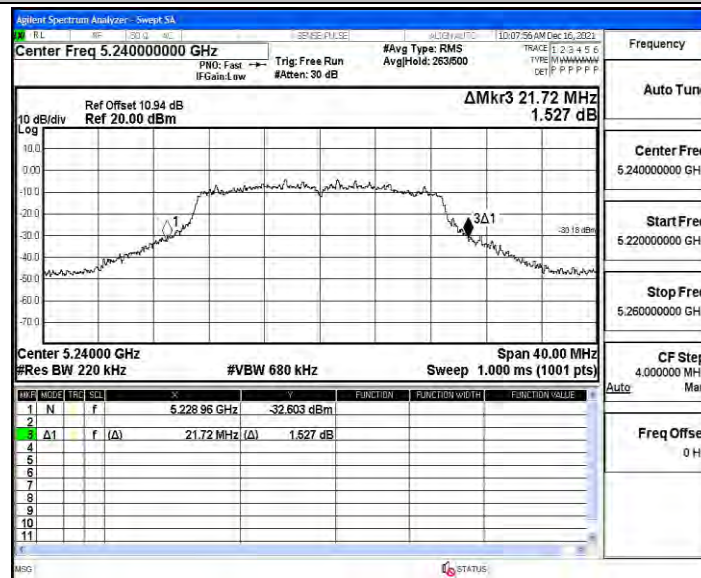
11N20MIMO_Ant1_5200



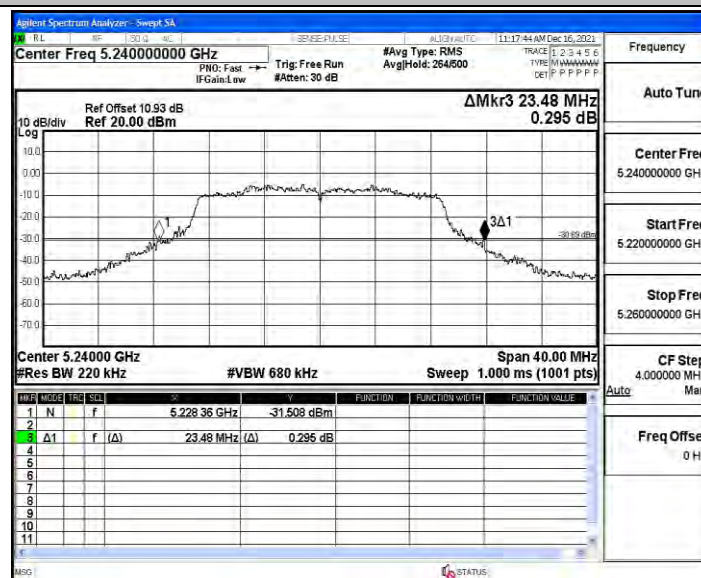
11N20MIMO_Ant2_5200



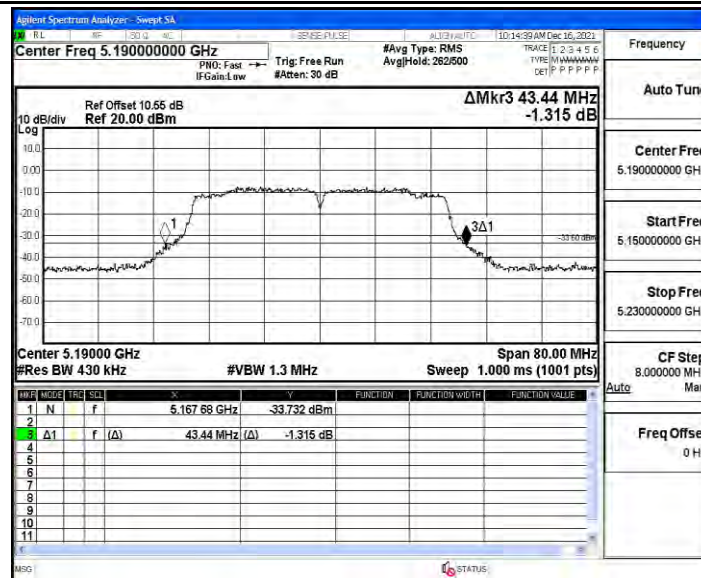
11N20MIMO_Ant1_5240



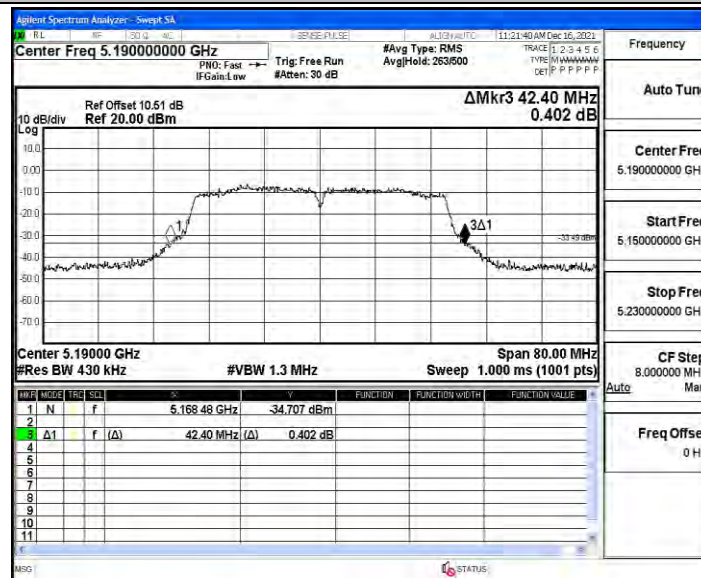
11N20MIMO_Ant2_5240



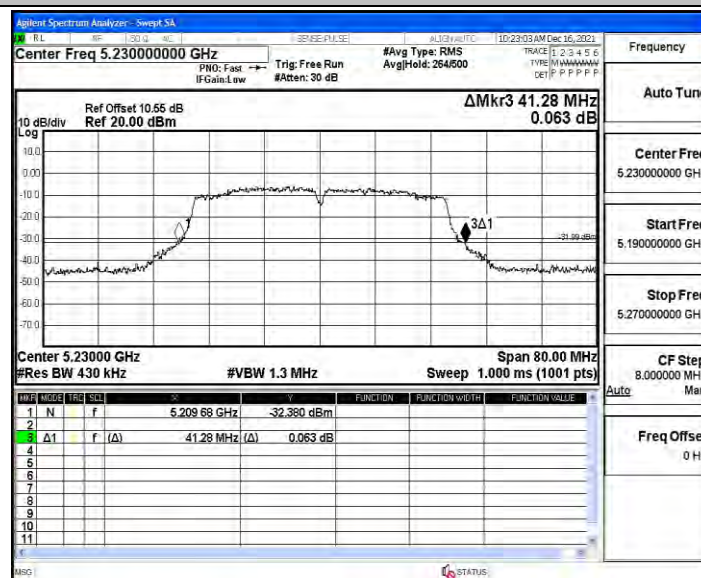
11N40MIMO_Ant1_5190



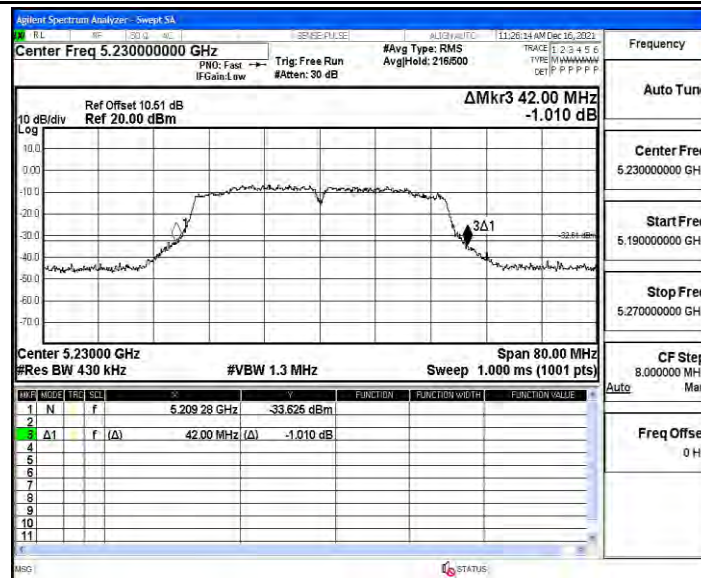
11N40MIMO_Ant2_5190



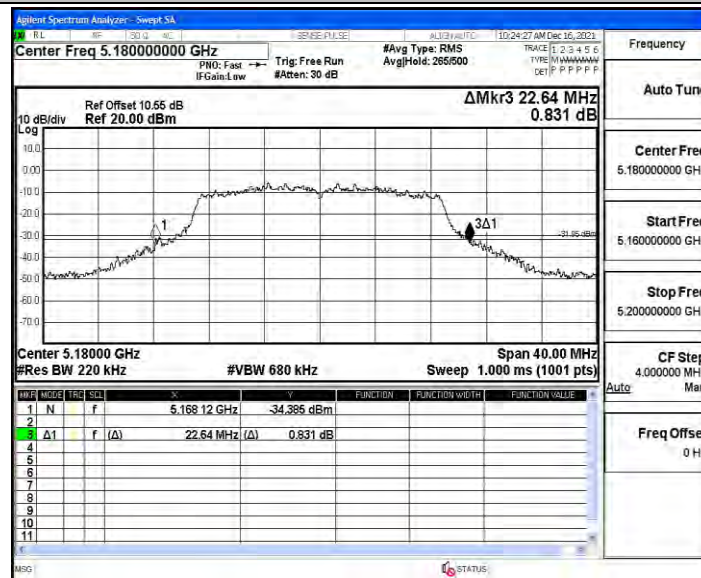
11N40MIMO_Ant1_5230



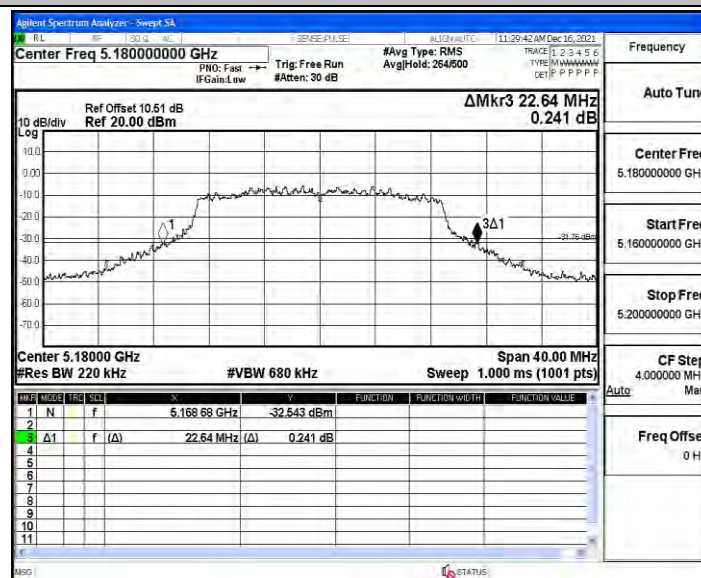
11N40MIMO_Ant2_5230



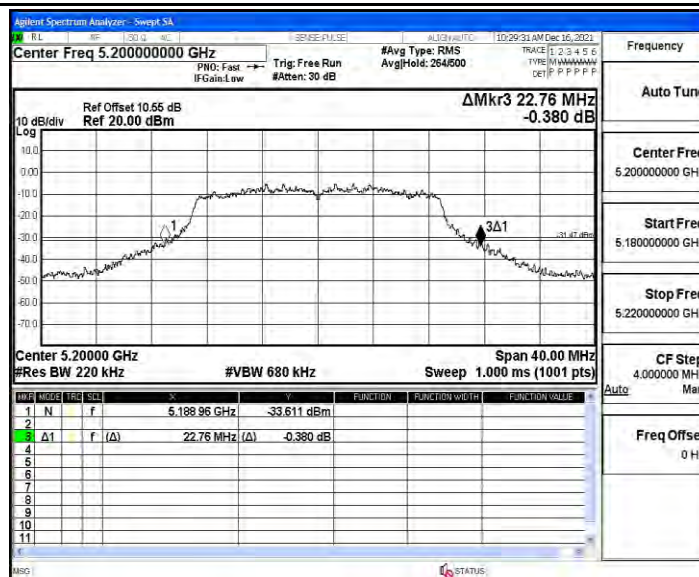
11AC20MIMO_Ant1_5180



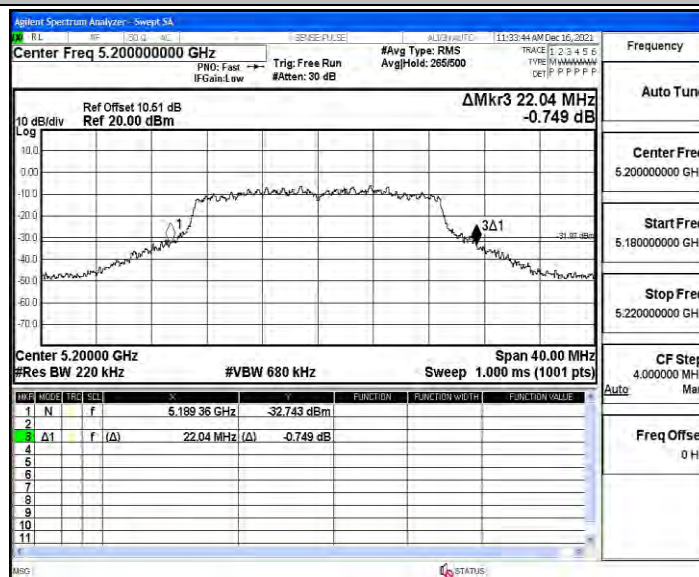
11AC20MIMO_Ant2_5180



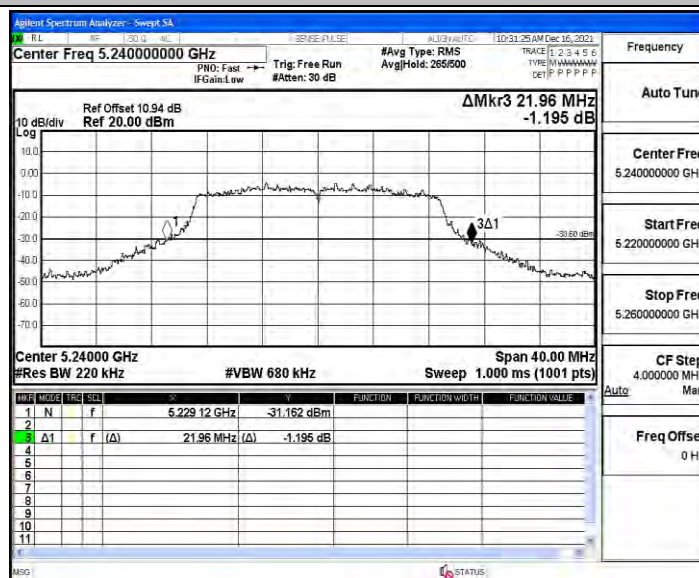
11AC20MIMO_Ant1_5200



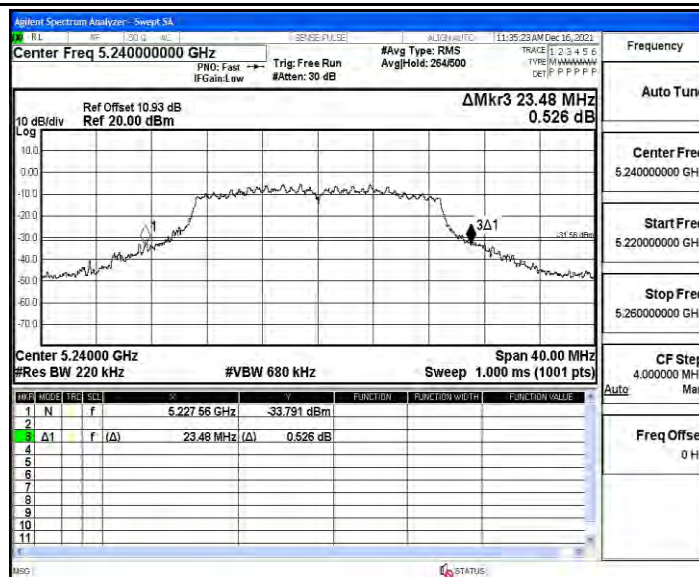
11AC20MIMO_Ant2_5200



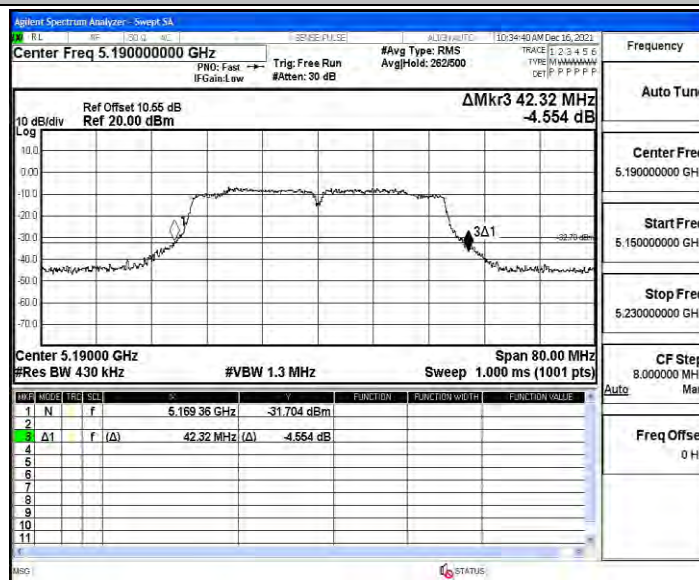
11AC20MIMO_Ant1_5240



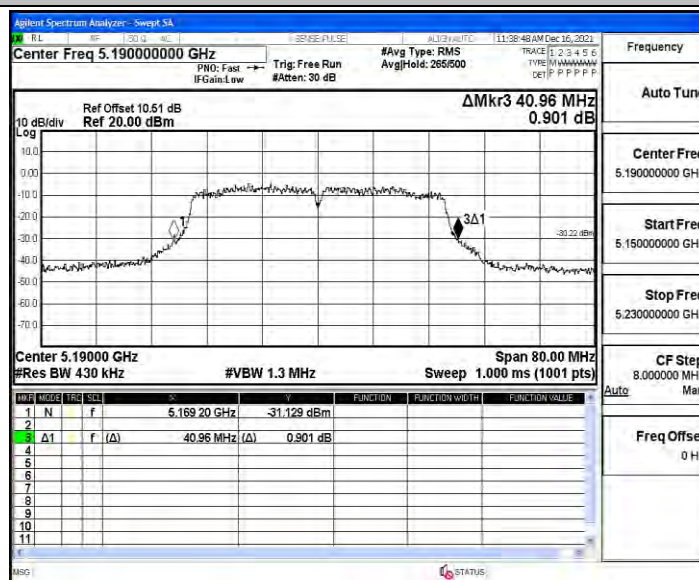
11AC20MIMO_Ant2_5240



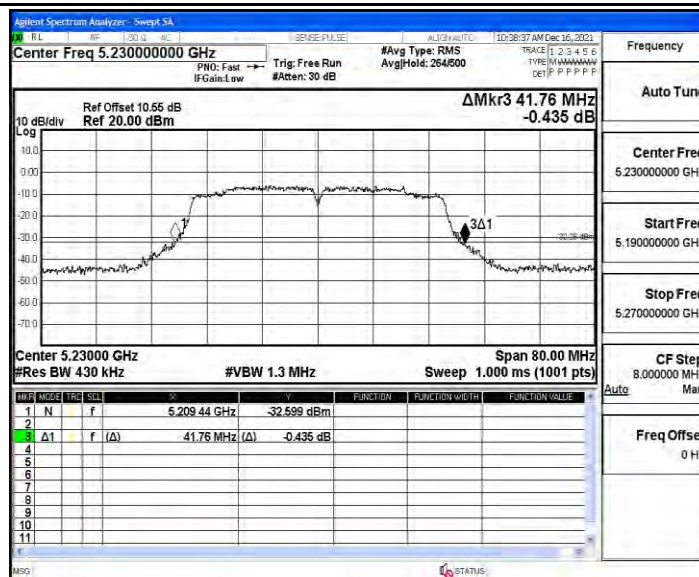
11AC40MIMO_Ant1_5190



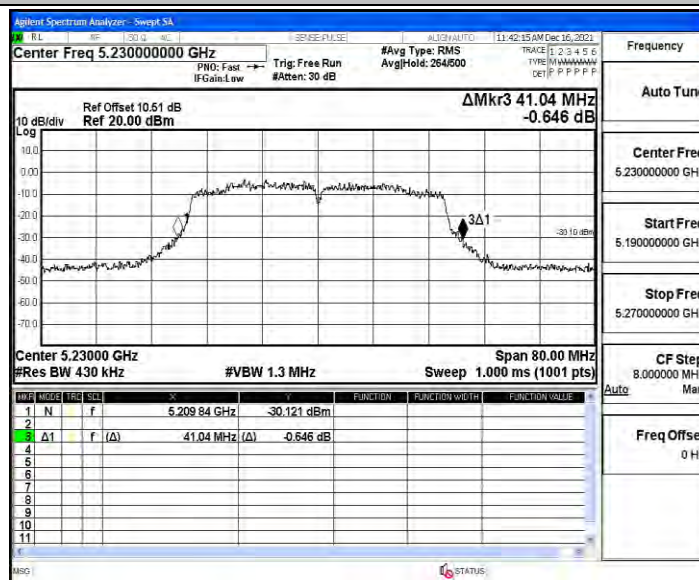
11AC40MIMO_Ant2_5190



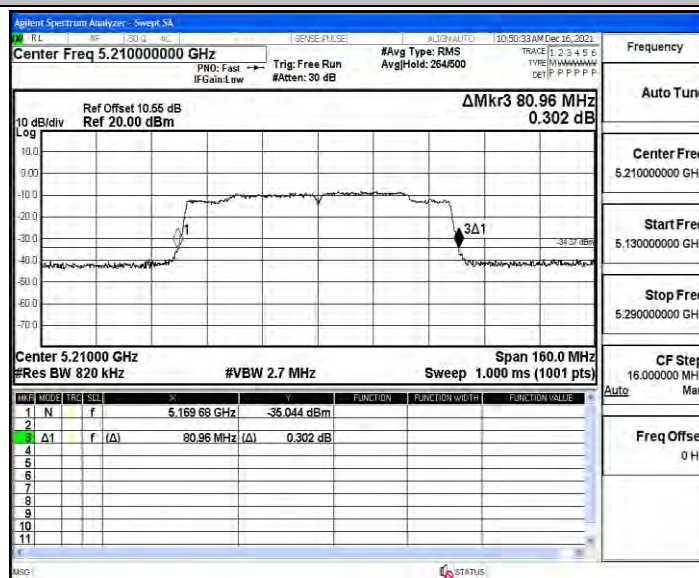
11AC40MIMO_Ant1_5230



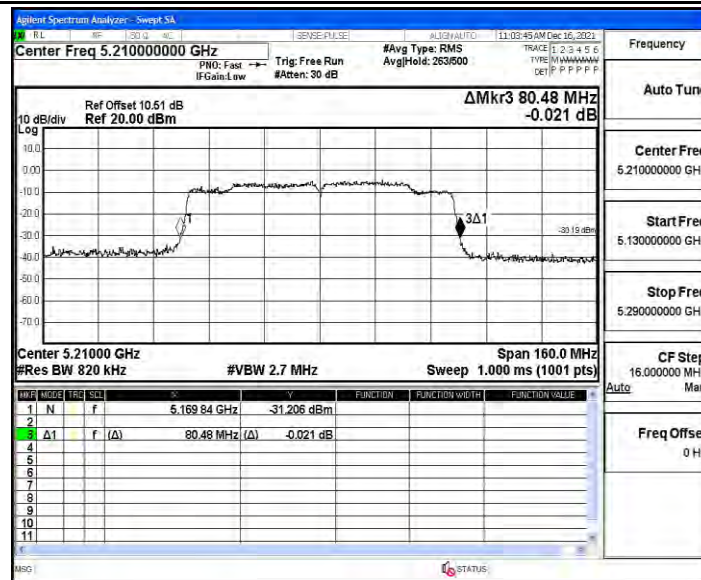
11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



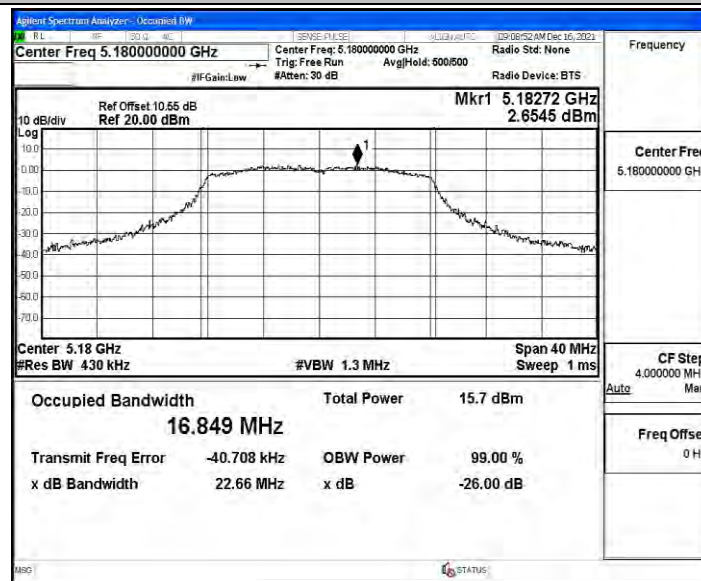
Appendix A2: Occupied channel bandwidth

Test Result

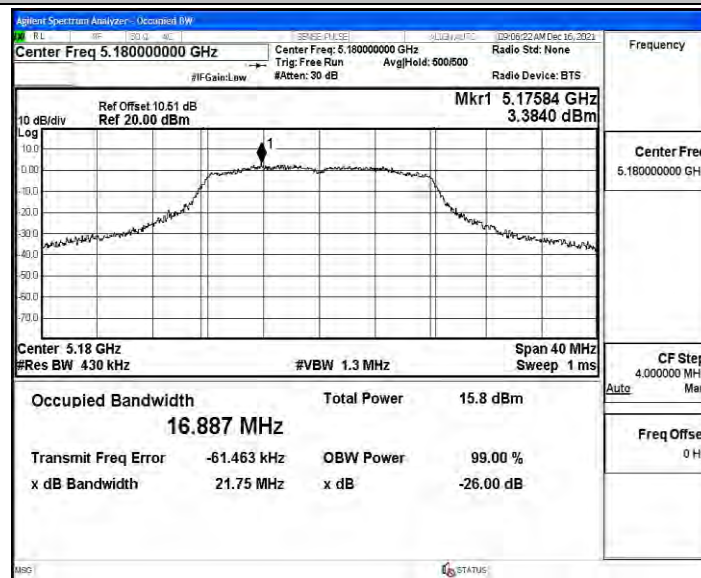
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.849	5171.535	5188.384	---	PASS
	Ant2	5180	16.887	5171.495	5188.382	---	PASS
	Ant1	5200	16.908	5191.578	5208.486	---	PASS
	Ant2	5200	16.951	5191.551	5208.502	---	PASS
	Ant1	5240	16.943	5231.506	5248.449	---	PASS
	Ant2	5240	16.892	5231.520	5248.412	---	PASS
11N20MIMO	Ant1	5180	17.971	5170.998	5188.969	---	PASS
	Ant2	5180	17.986	5170.965	5188.951	---	PASS
	Ant1	5200	18.056	5191.029	5209.085	---	PASS
	Ant2	5200	18.045	5191.030	5209.075	---	PASS
	Ant1	5240	18.057	5230.954	5249.011	---	PASS
	Ant2	5240	18.020	5230.960	5248.980	---	PASS
11N40MIMO	Ant1	5190	36.430	5171.753	5208.183	---	PASS
	Ant2	5190	36.325	5171.823	5208.148	---	PASS
	Ant1	5230	36.141	5211.936	5248.077	---	PASS
	Ant2	5230	36.139	5211.937	5248.076	---	PASS
11AC20MIMO	Ant1	5180	17.910	5171.023	5188.933	---	PASS
	Ant2	5180	17.771	5171.099	5188.870	---	PASS
	Ant1	5200	18.046	5191.029	5209.075	---	PASS
	Ant2	5200	17.818	5191.117	5208.935	---	PASS
	Ant1	5240	18.040	5230.974	5249.014	---	PASS
	Ant2	5240	17.837	5231.062	5248.899	---	PASS
11AC40MIMO	Ant1	5190	36.354	5171.855	5208.209	---	PASS
	Ant2	5190	36.294	5171.870	5208.164	---	PASS
	Ant1	5230	36.138	5211.963	5248.101	---	PASS
	Ant2	5230	36.064	5211.968	5248.032	---	PASS
11AC80MIMO	Ant1	5210	75.348	5172.429	5247.777	---	PASS
	Ant2	5210	75.348	5172.336	5247.684	---	PASS

Test Graphs

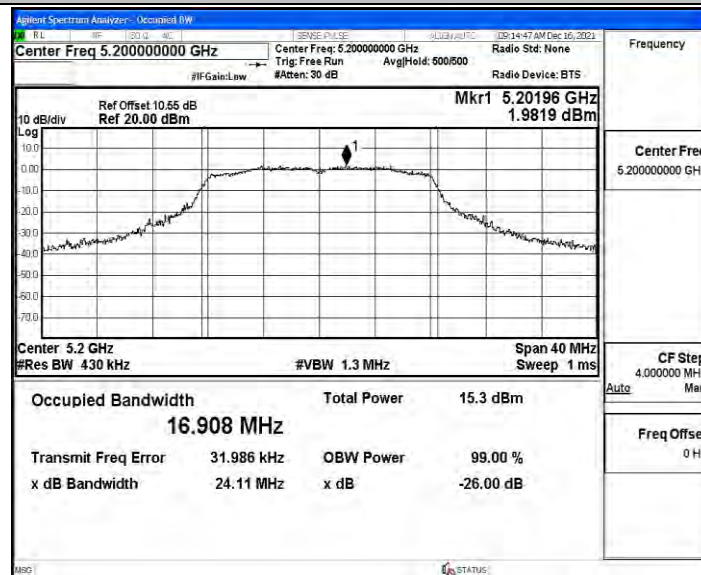
11A_Ant1_5180



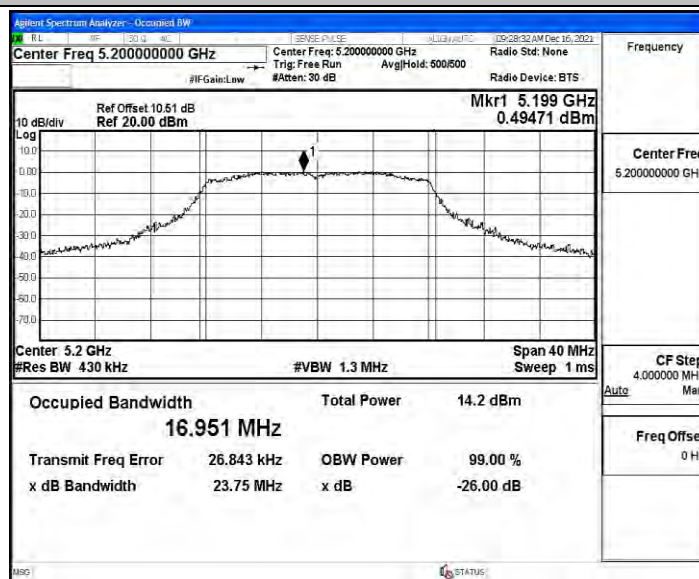
11A_Ant2_5180



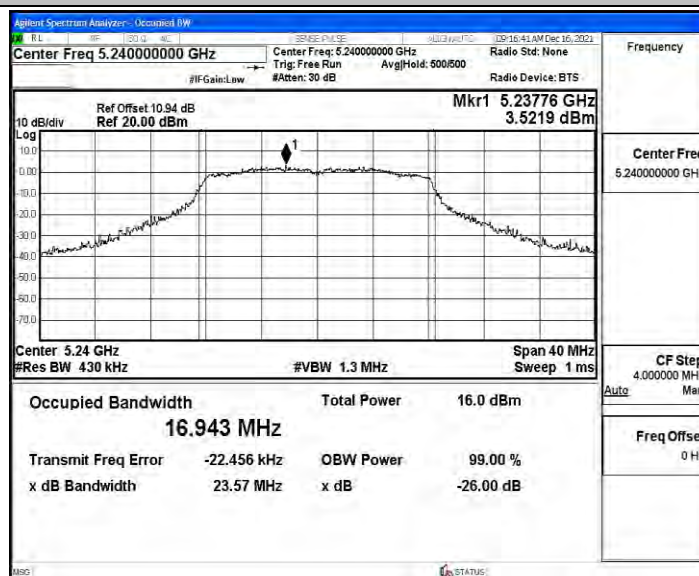
11A_Ant1_5200



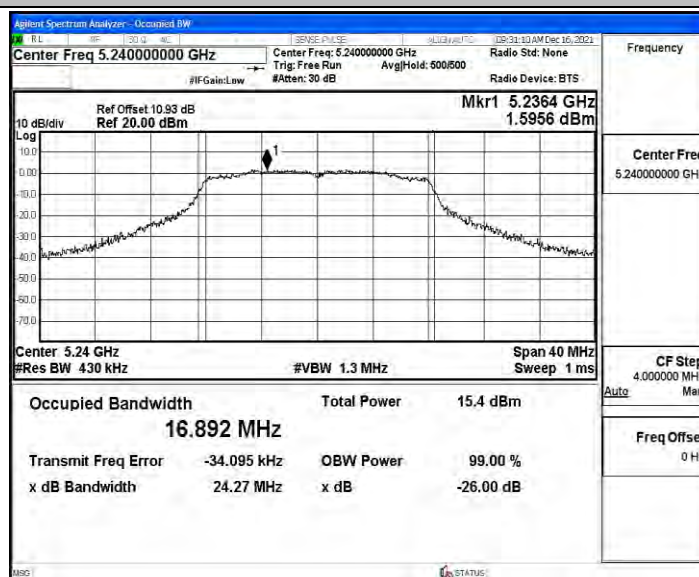
11A_Ant2_5200



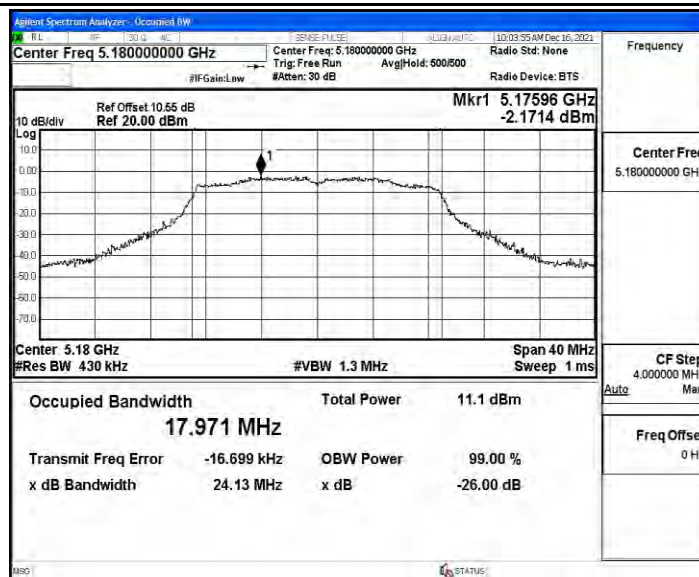
11A_Ant1_5240



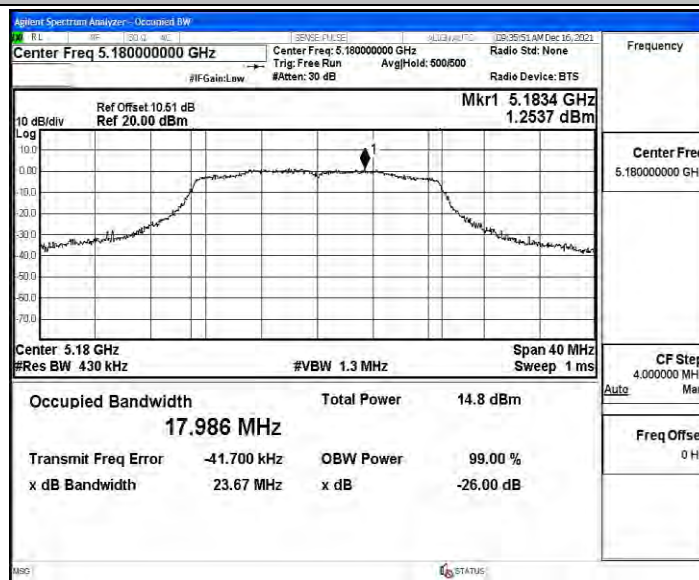
11A_Ant2_5240



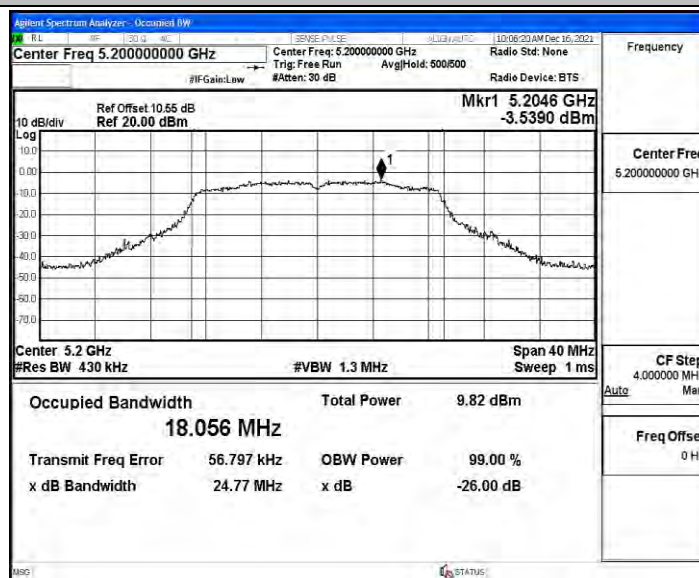
11N20MIMO_Ant1_5180



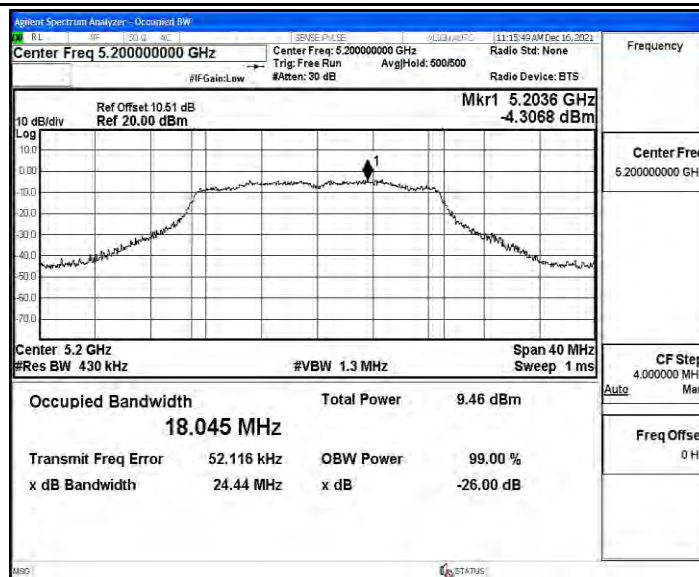
11N20MIMO_Ant2_5180



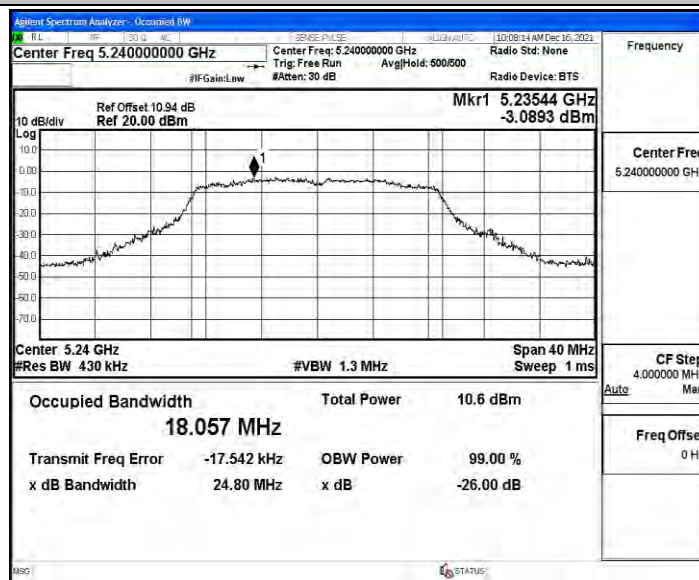
11N20MIMO_Ant1_5200



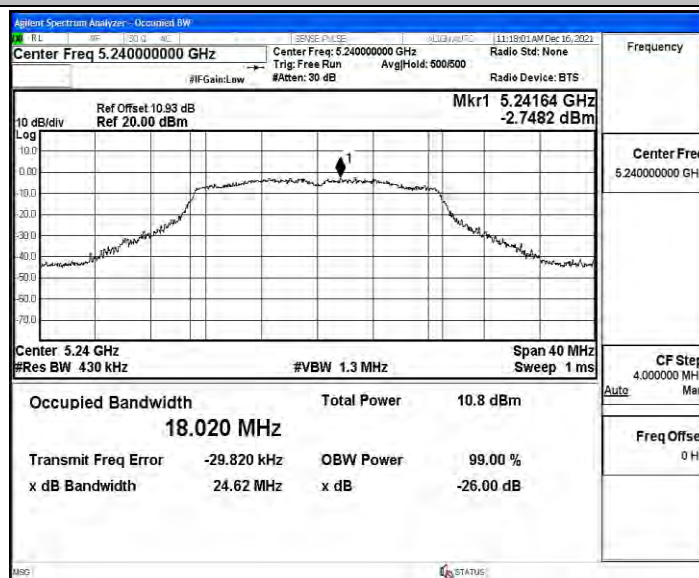
11N20MIMO_Ant2_5200



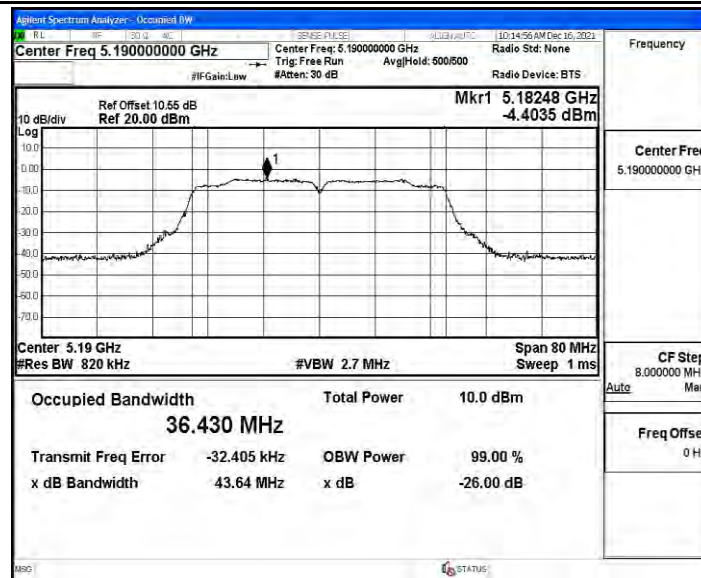
11N20MIMO_Ant1_5240



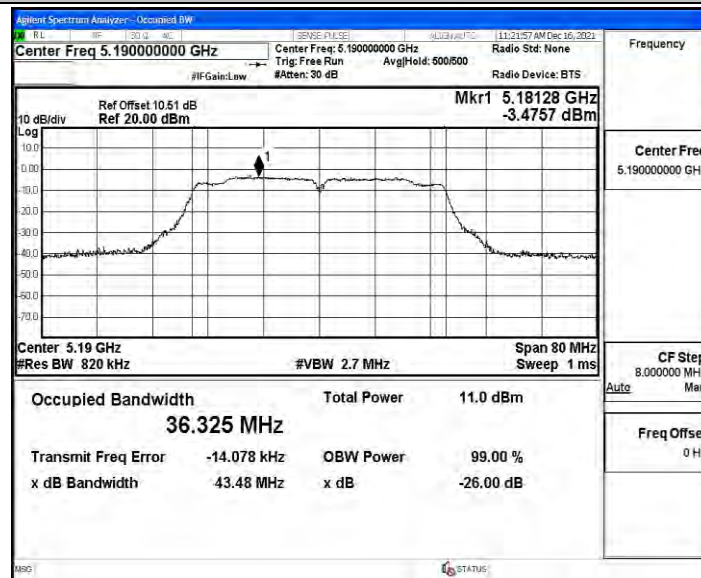
11N20MIMO_Ant2_5240



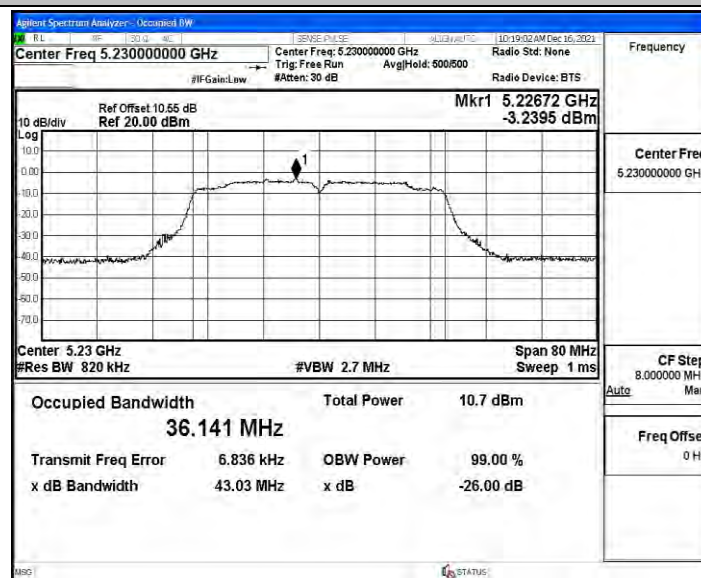
11N40MIMO_Ant1_5190



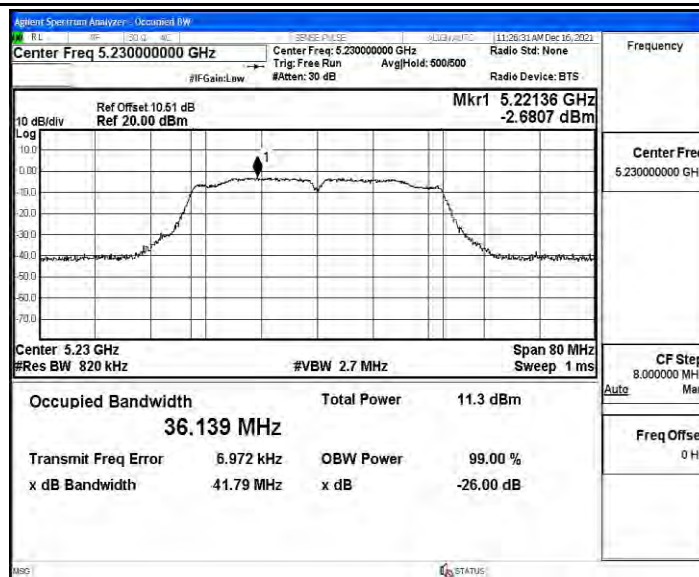
11N40MIMO_Ant2_5190



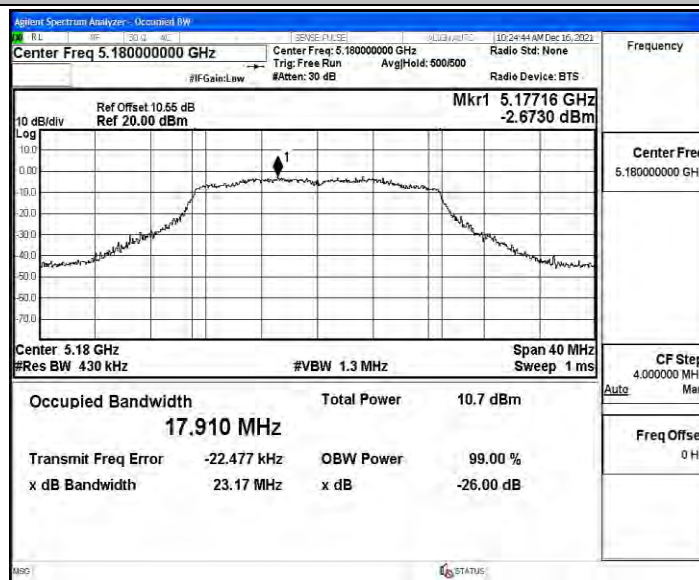
11N40MIMO_Ant1_5230



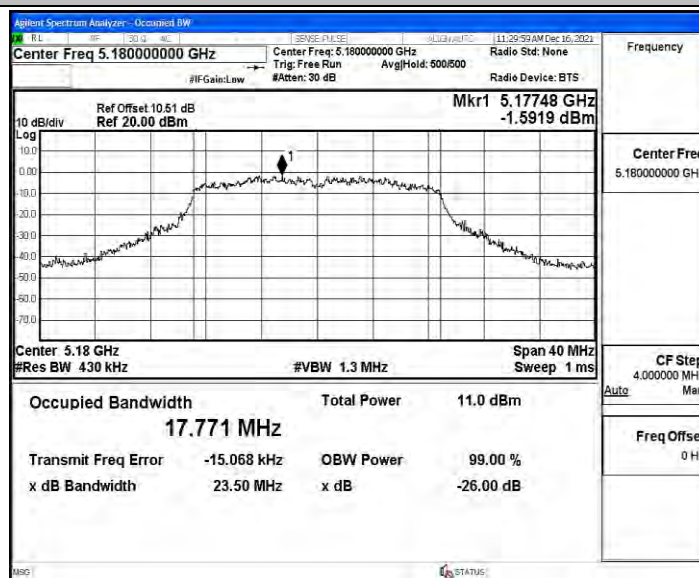
11N40MIMO_Ant2_5230



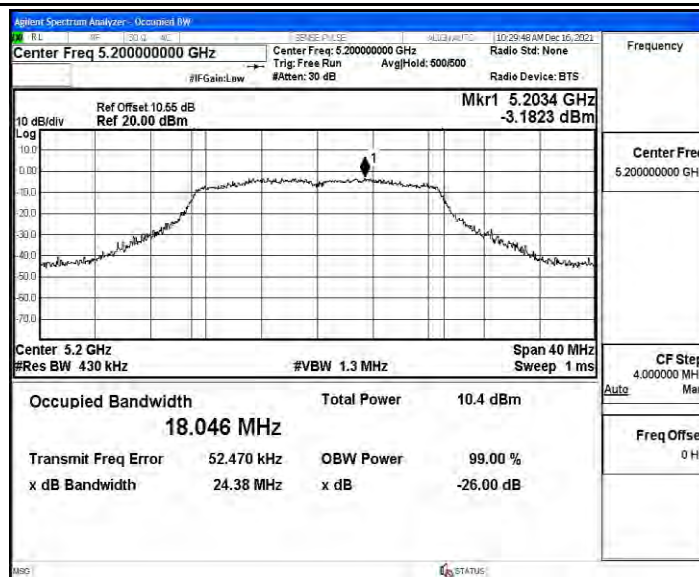
11AC20MIMO_Ant1_5180



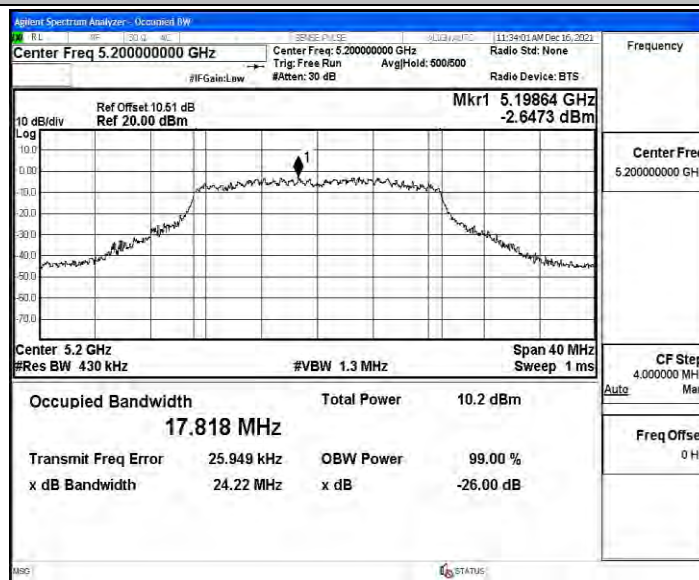
11AC20MIMO_Ant2_5180



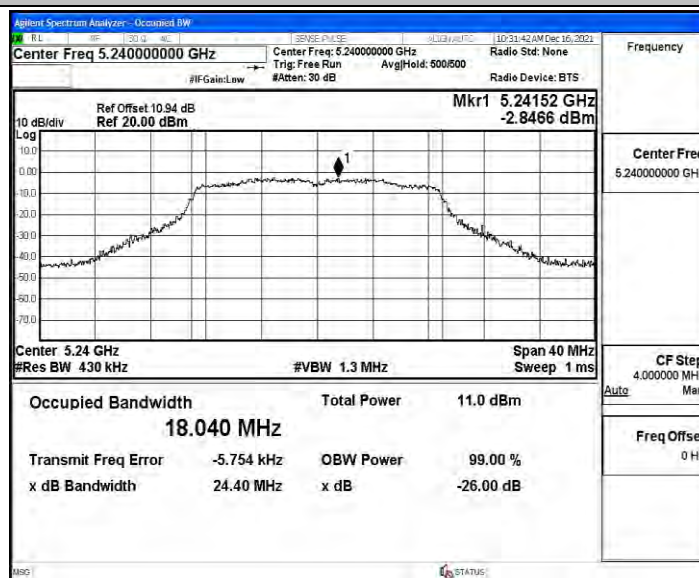
11AC20MIMO_Ant1_5200



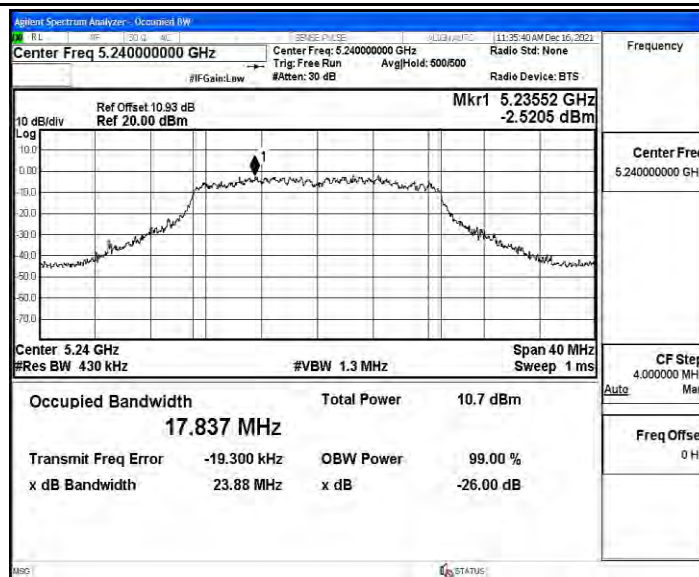
11AC20MIMO_Ant2_5200



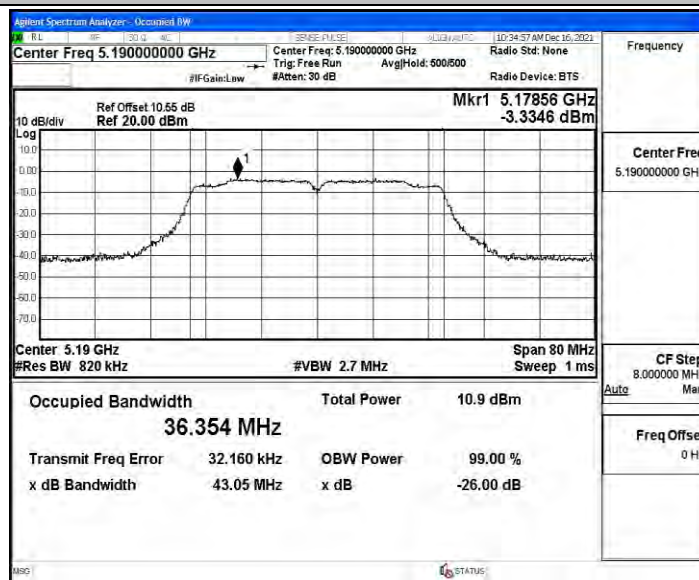
11AC20MIMO_Ant1_5240



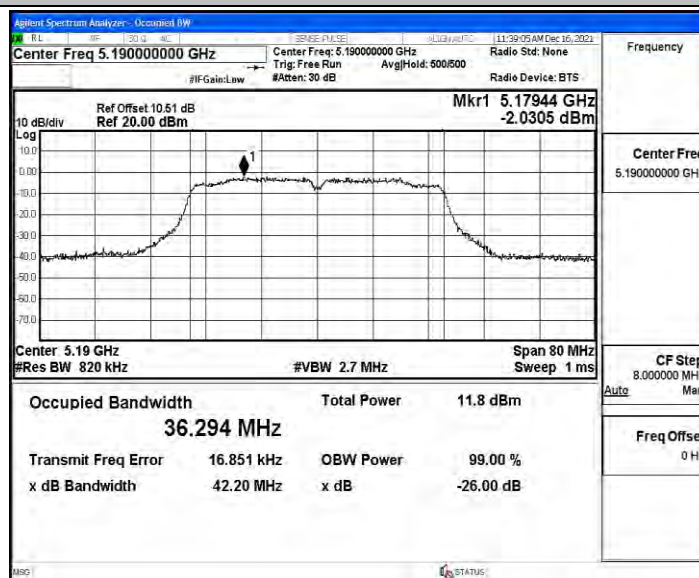
11AC20MIMO_Ant2_5240



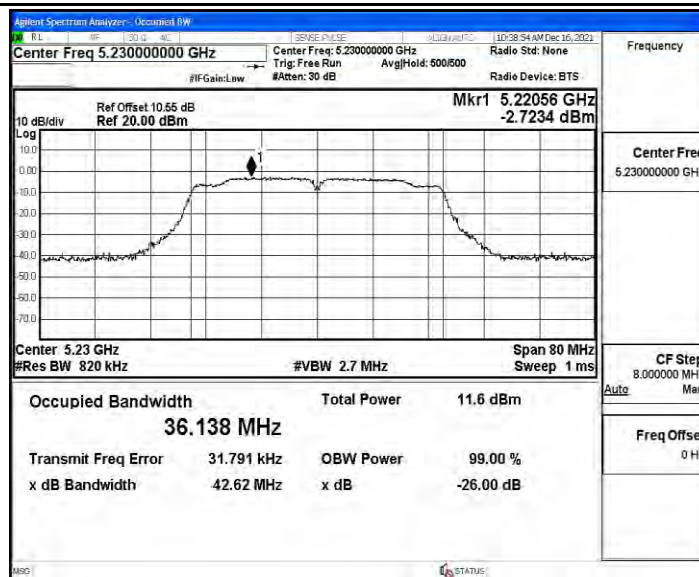
11AC40MIMO_Ant1_5190



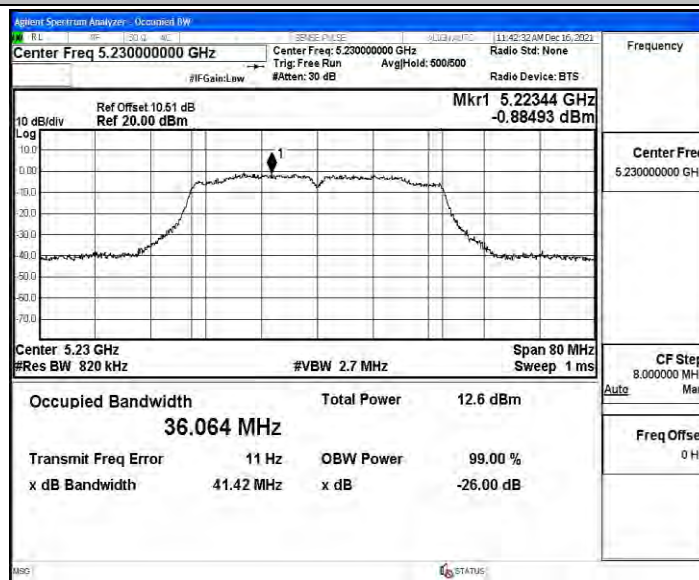
11AC40MIMO_Ant2_5190



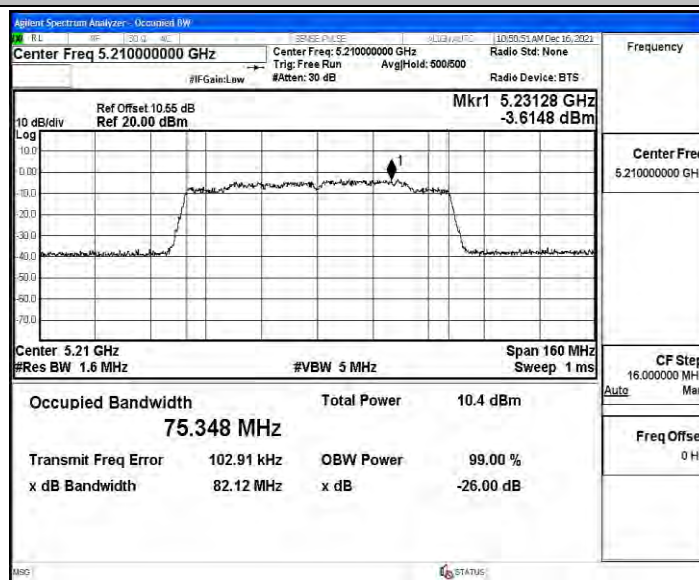
11AC40MIMO_Ant1_5230



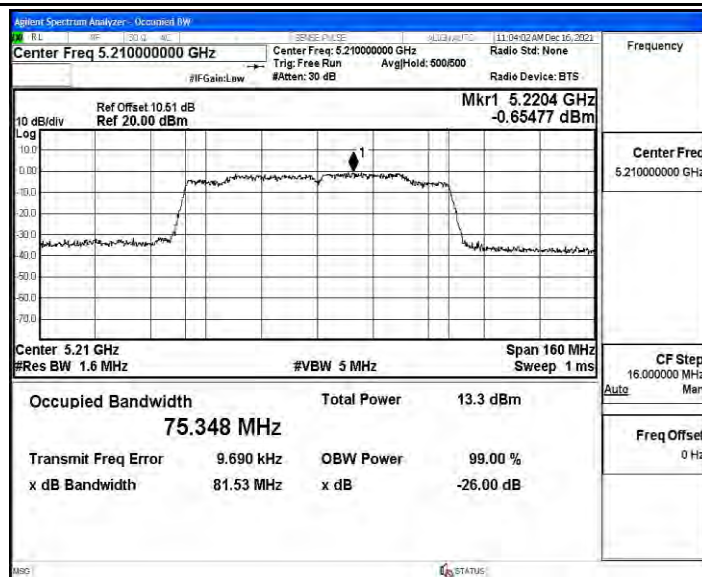
11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	8.77	≤23.98	PASS
	Ant2	5180	8.09	≤23.98	PASS
	Ant1	5200	9.04	≤23.98	PASS
	Ant2	5200	8.36	≤23.98	PASS
	Ant1	5240	9.56	≤23.98	PASS
	Ant2	5240	8.75	≤23.98	PASS
11N20MIMO	Ant1	5180	4.28	≤23.98	PASS
	Ant2	5180	8.27	≤23.98	PASS
	total	5180	11.7	≤22.82	PASS
	Ant1	5200	3.90	≤23.98	PASS
	Ant2	5200	3.44	≤23.98	PASS
	total	5200	6.7	≤22.82	PASS
	Ant1	5240	4.67	≤23.98	PASS
	Ant2	5240	3.94	≤23.98	PASS
	total	5240	7.3	≤22.82	PASS
11N40MIMO	Ant1	5190	2.89	≤23.98	PASS
	Ant2	5190	3.44	≤23.98	PASS
	total	5190	6.2	≤22.82	PASS
	Ant1	5230	4.10	≤23.98	PASS
	Ant2	5230	4.12	≤23.98	PASS
	total	5230	7.1	≤22.82	PASS
11AC20MIMO	Ant1	5180	3.75	≤23.98	PASS
	Ant2	5180	3.79	≤23.98	PASS
	total	5180	6.8	≤23.98	PASS
	Ant1	5200	3.82	≤23.98	PASS
	Ant2	5200	3.59	≤23.98	PASS
	total	5200	6.7	≤22.82	PASS
	Ant1	5240	4.78	≤23.98	PASS
	Ant2	5240	4.10	≤23.98	PASS
	total	5240	7.5	≤22.82	PASS
11AC40MIMO	Ant1	5190	3.44	≤23.98	PASS
	Ant2	5190	3.68	≤23.98	PASS
	total	5190	6.6	≤22.82	PASS
	Ant1	5230	4.17	≤23.98	PASS
	Ant2	5230	4.46	≤23.98	PASS
	total	5230	7.3	≤23.98	PASS
11AC80MIMO	Ant1	5210	1.84	≤23.98	PASS
	Ant2	5210	4.29	≤23.98	PASS
	total	5210	6.2	≤22.82	PASS

Note: The Duty Cycle Factor is compensated in the test result.

Appendix C: Maximum power spectral density

Test Result

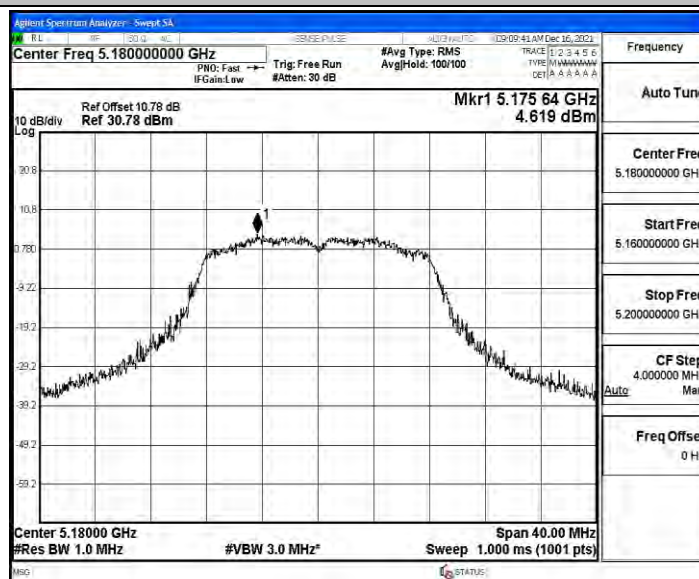
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.62	≤11	PASS
	Ant2	5180	3.94	≤11	PASS
	Ant1	5200	4.27	≤11	PASS
	Ant2	5200	3.24	≤11	PASS
	Ant1	5240	4.51	≤11	PASS
	Ant2	5240	3.67	≤11	PASS
11N20MIMO	Ant1	5180	-0.56	≤11	PASS
	Ant2	5180	4.34	≤11	PASS
	total	5180	7.06	≤9.84	PASS
	Ant1	5200	-1.07	≤11	PASS
	Ant2	5200	-1.8	≤11	PASS
	total	5200	1.59	≤9.84	PASS
	Ant1	5240	-0.44	≤11	PASS
	Ant2	5240	-1.37	≤11	PASS
	total	5240	2.13	≤9.84	PASS
11N40MIMO	Ant1	5190	-4.78	≤11	PASS
	Ant2	5190	-4.25	≤11	PASS
	total	5190	-1.50	≤9.84	PASS
	Ant1	5230	-3.93	≤11	PASS
	Ant2	5230	-3.6	≤11	PASS
	total	5230	-0.75	≤9.84	PASS
11AC20MIMO	Ant1	5180	-0.23	≤11	PASS
	Ant2	5180	1.3	≤11	PASS
	total	5180	3.61	≤9.84	PASS
	Ant1	5200	-0.89	≤11	PASS
	Ant2	5200	-0.18	≤11	PASS
	total	5200	2.49	≤9.84	PASS
	Ant1	5240	-0.06	≤11	PASS
	Ant2	5240	0.55	≤11	PASS
	total	5240	3.27	≤9.84	PASS
11AC40MIMO	Ant1	5190	-4.52	≤11	PASS
	Ant2	5190	-2.73	≤11	PASS
	total	5190	-0.52	≤9.84	PASS
	Ant1	5230	-3.22	≤11	PASS
	Ant2	5230	-2.6	≤11	PASS
	total	5230	0.11	≤9.84	PASS
11AC80MIMO	Ant1	5210	-8.19	≤11	PASS
	Ant2	5210	-5.41	≤11	PASS
	total	5210	-3.57	≤9.84	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

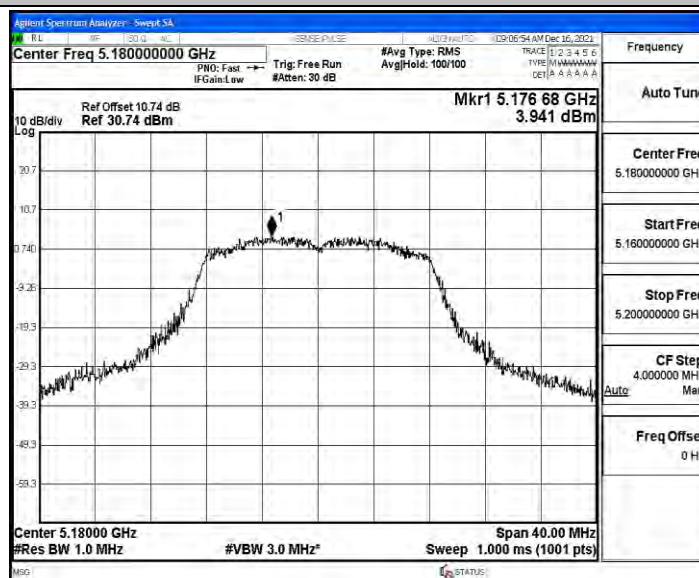
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

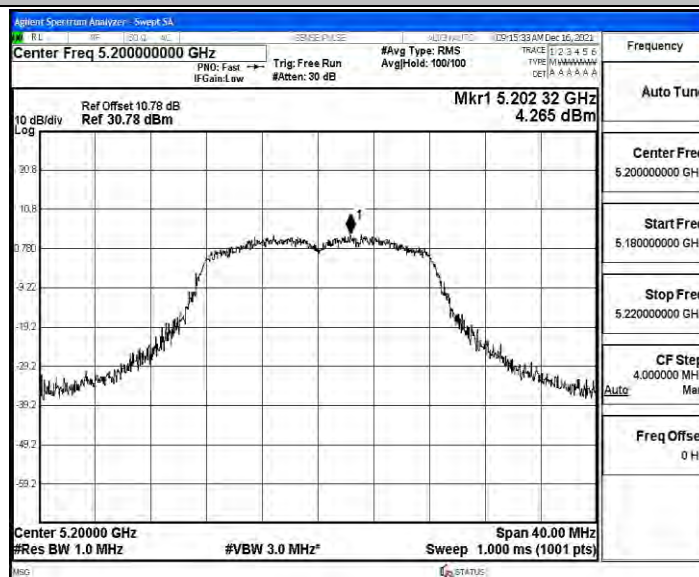
11A_Ant1_5180



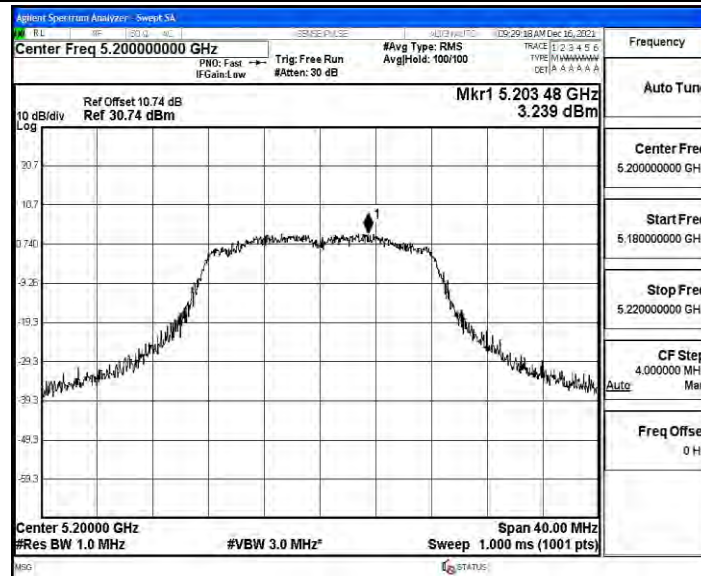
11A_Ant2_5180



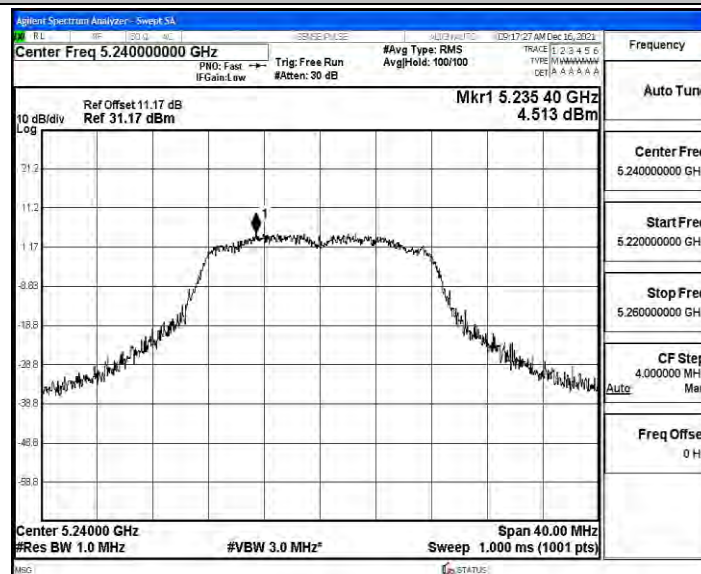
11A_Ant1_5200



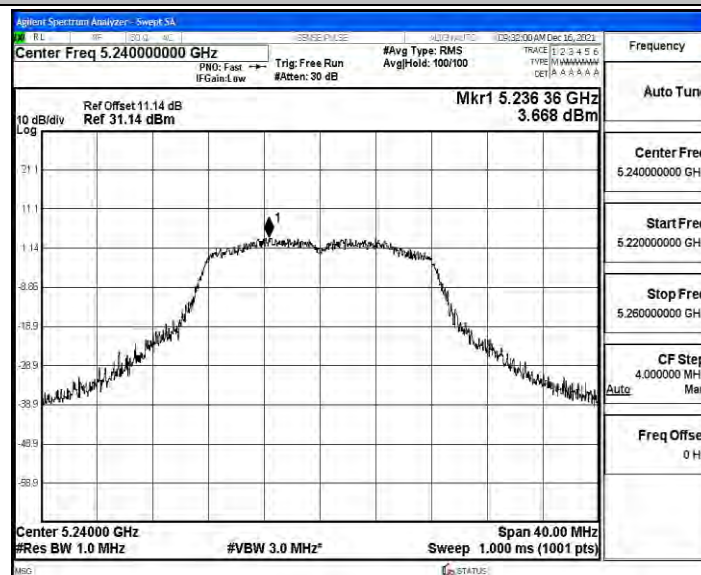
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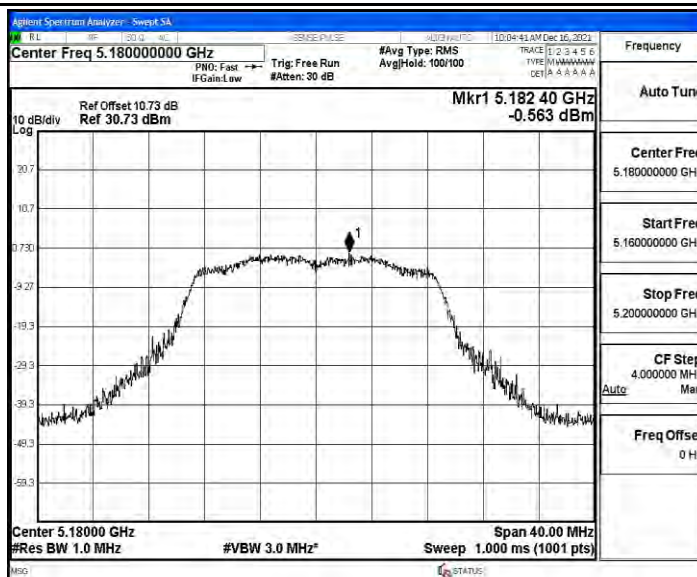
11A_Ant1_5240



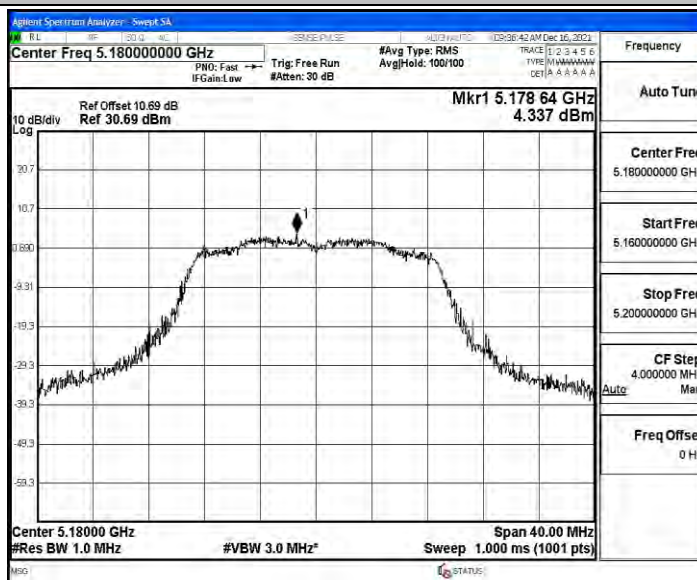
11A_Ant2_5240



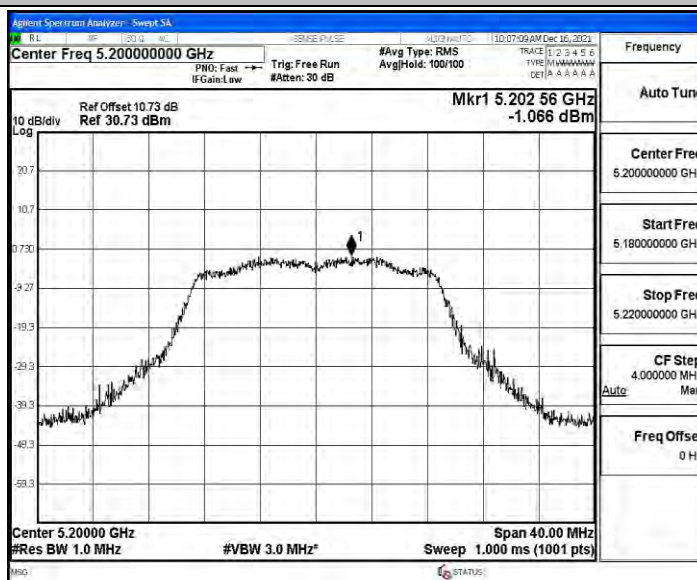
11N20MIMO_Ant1_5180



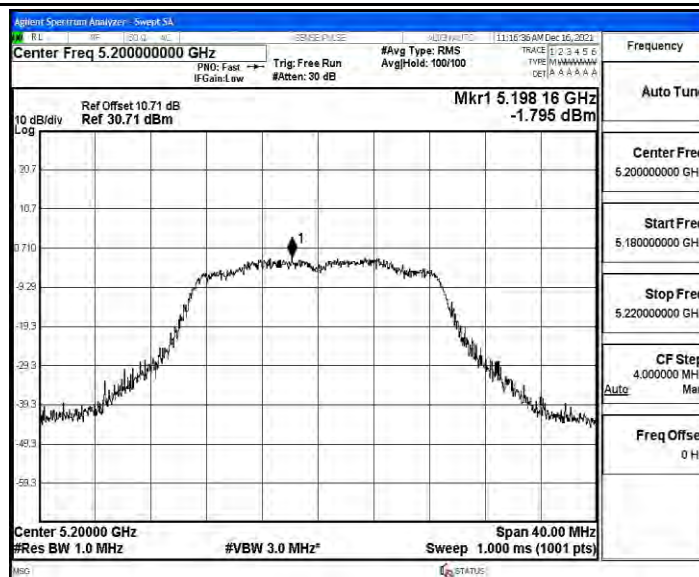
11N20MIMO_Ant2_5180



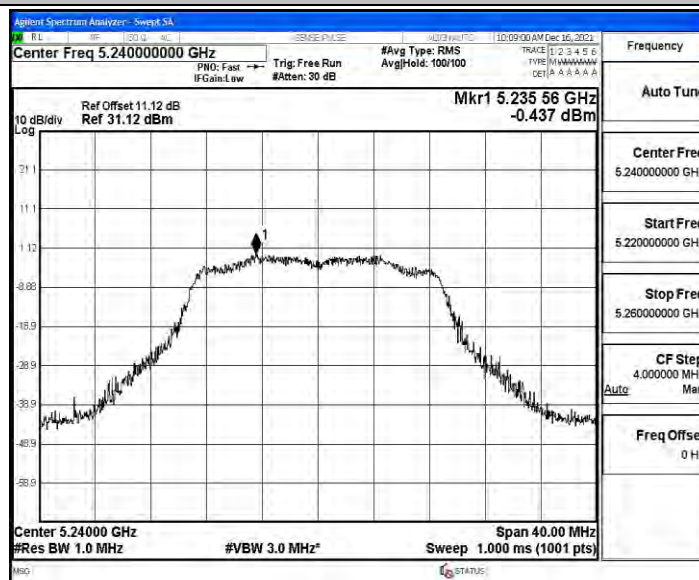
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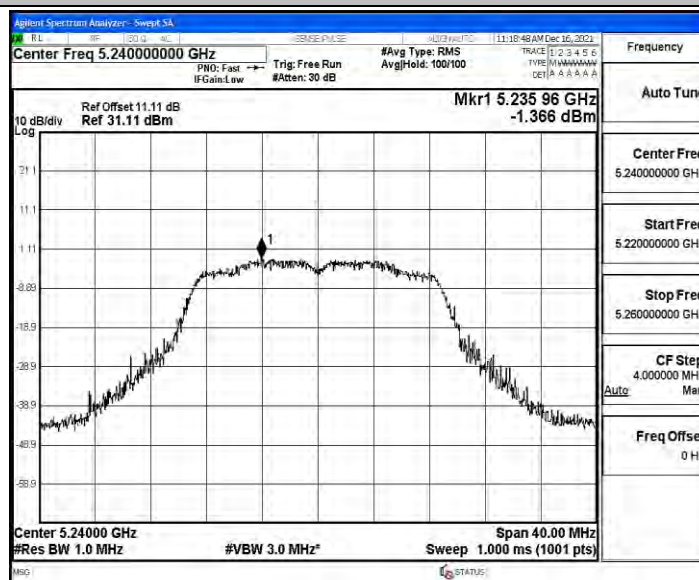
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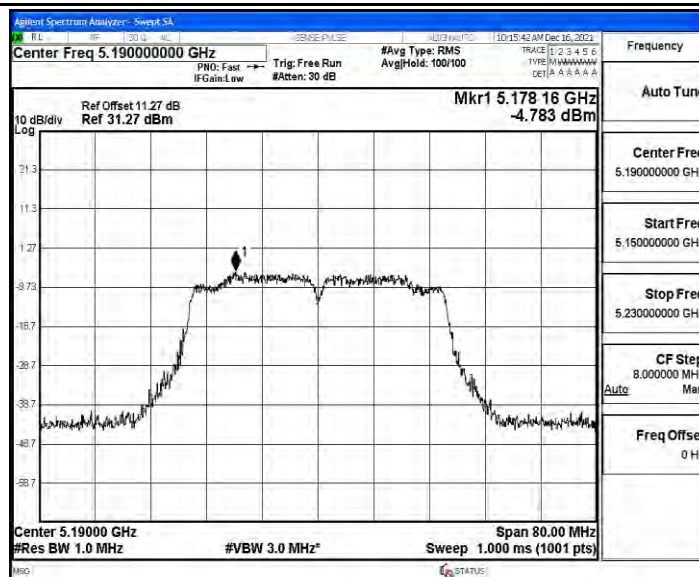
11N20MIMO_Ant1_5240



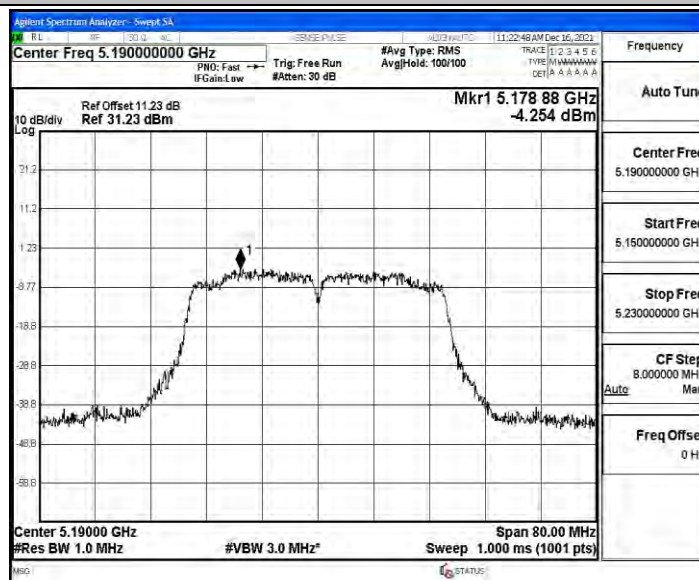
11N20MIMO_Ant2_5240



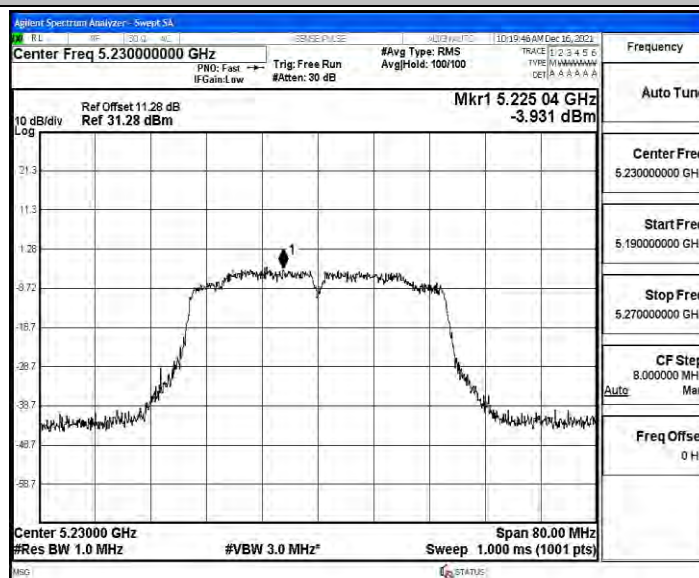
11N40MIMO_Ant1_5190



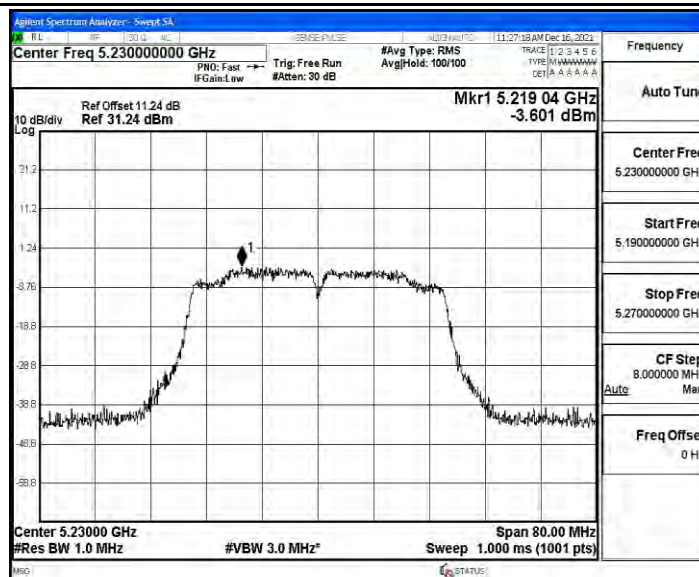
11N40MIMO_Ant2_5190



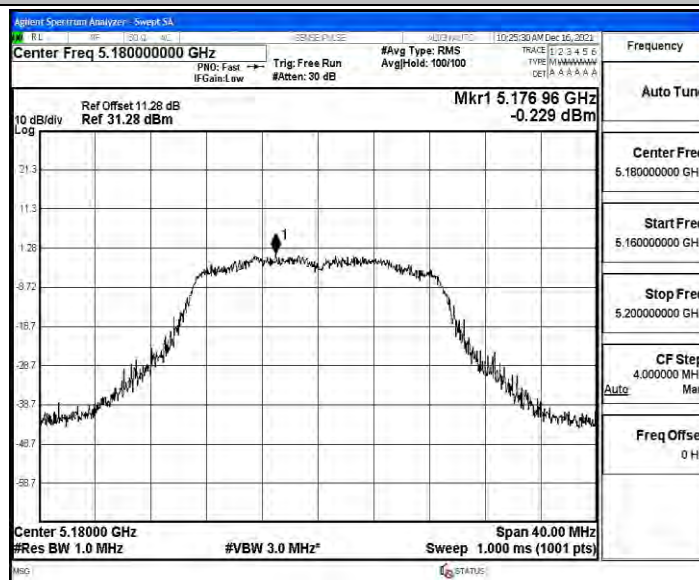
11N40MIMO_Ant1_5230



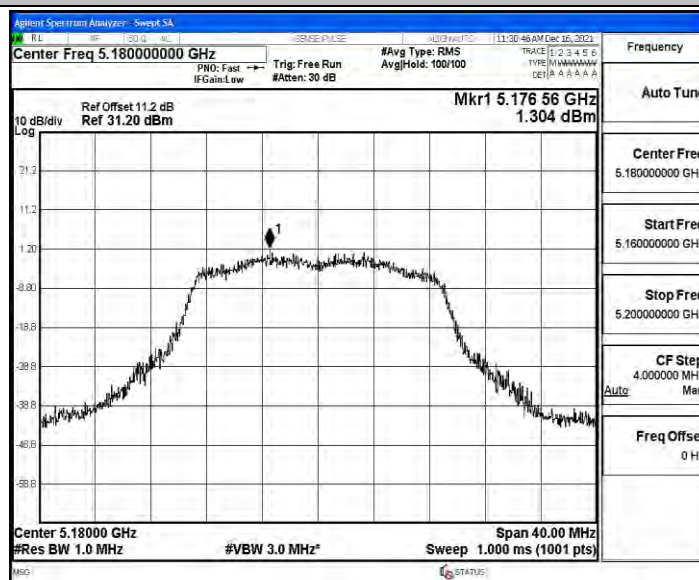
11N40MIMO_Ant2_5230



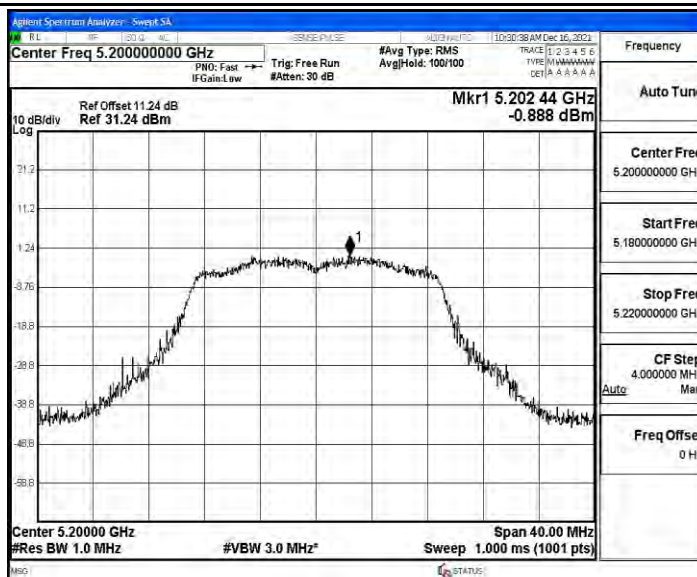
11AC20MIMO_Ant1_5180



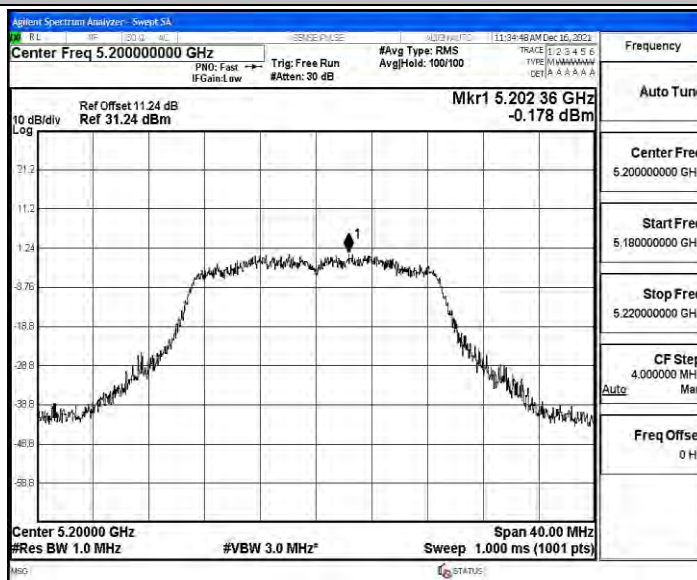
11AC20MIMO_Ant2_5180



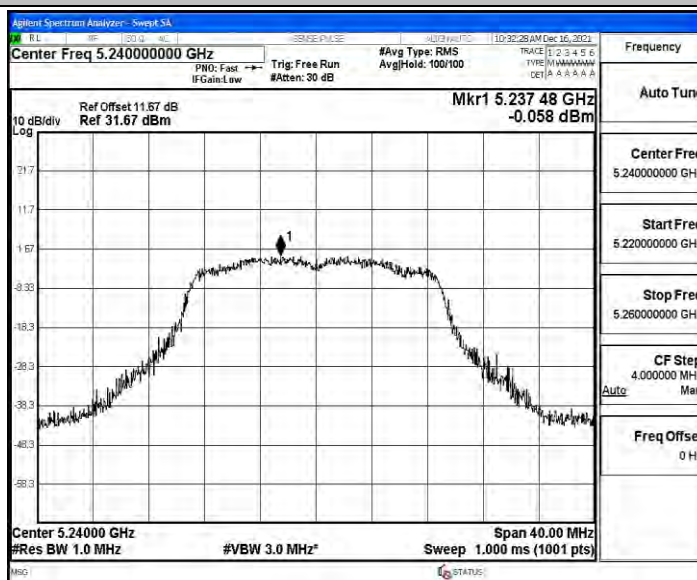
11AC20MIMO_Ant1_5200



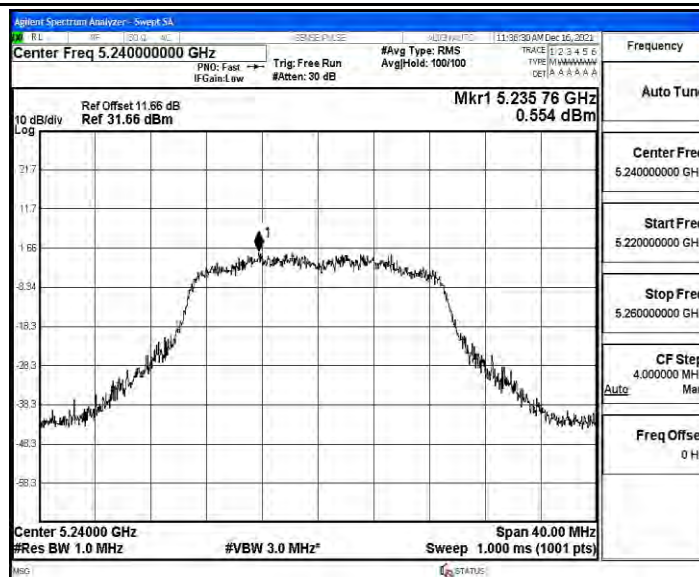
11AC20MIMO_Ant2_5200



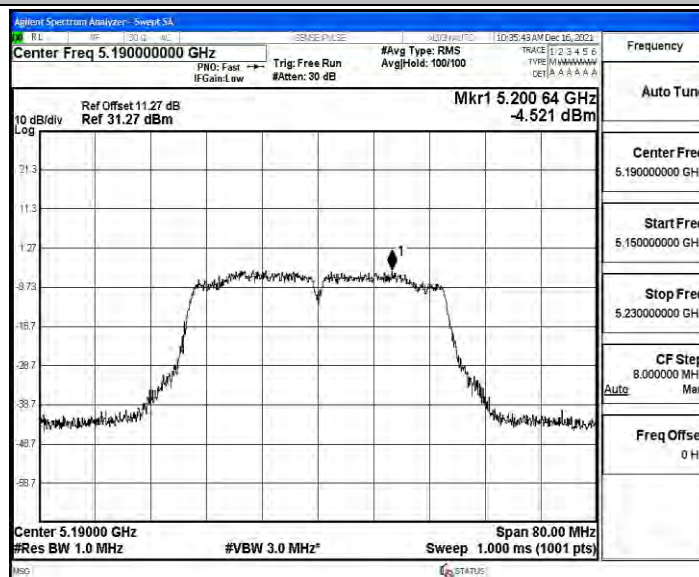
11AC20MIMO_Ant1_5240



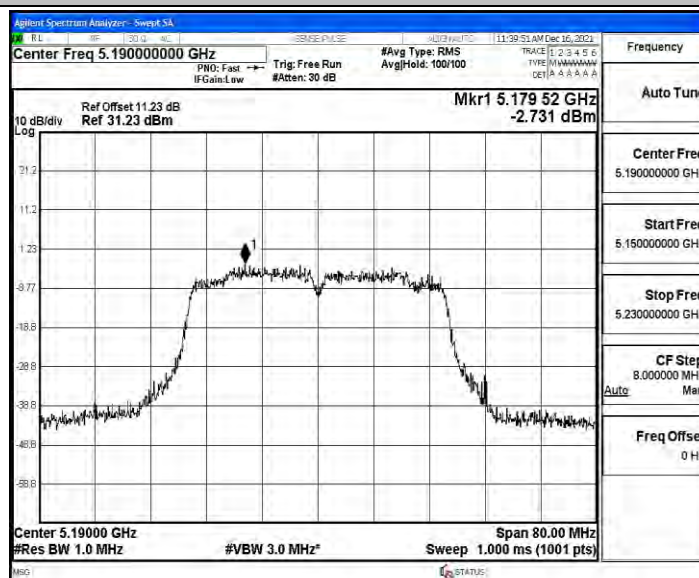
11AC20MIMO_Ant2_5240



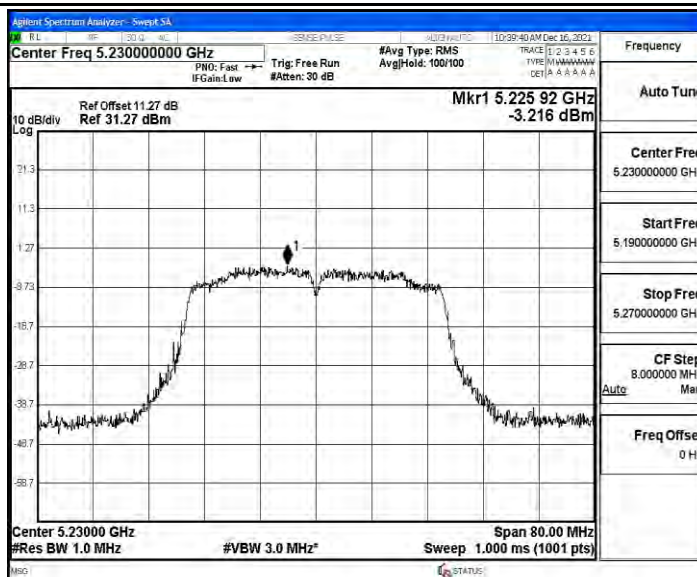
11AC40MIMO_Ant1_5190



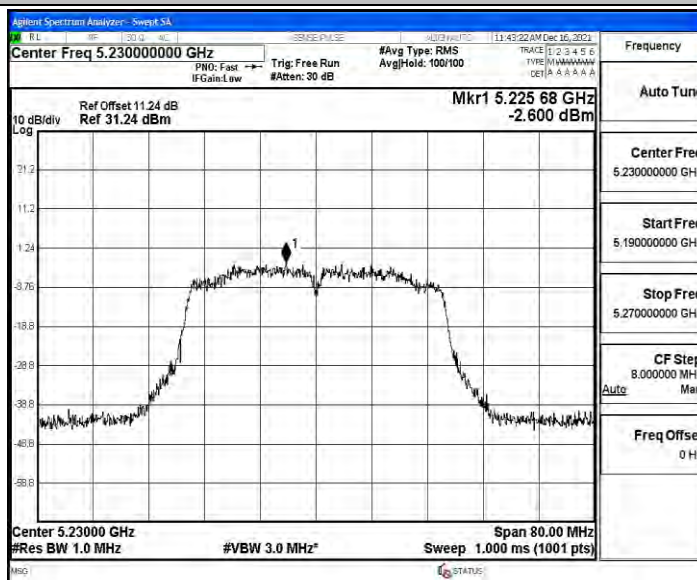
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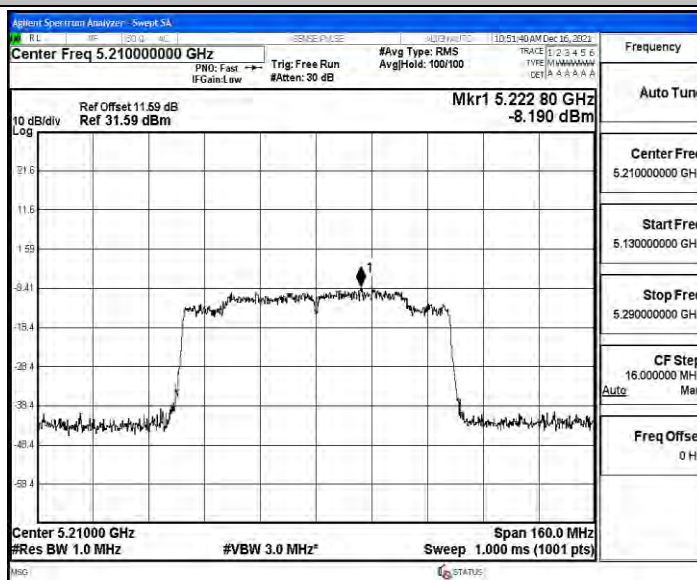
11AC40MIMO_Ant1_5230



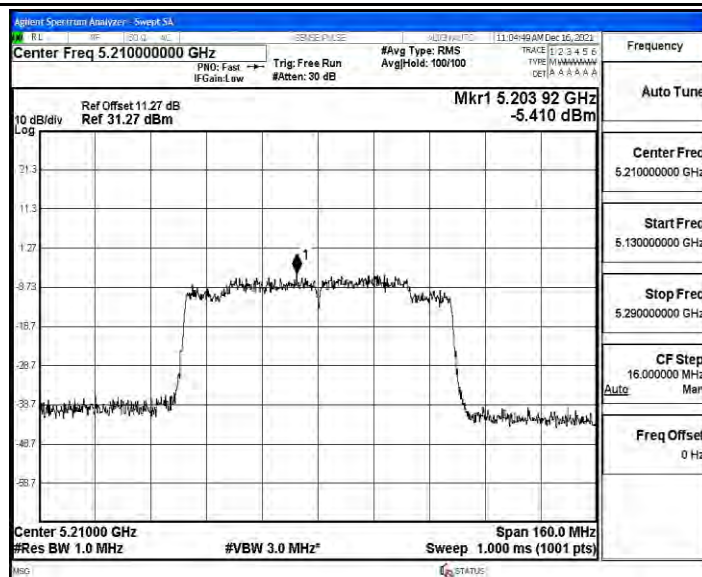
11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



Appendix D: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5179.975731	5150 – 5250	PASS
5180	20	108	5180.021216	5150 – 5250	PASS
5180	50	120	5180.023400	5150 – 5250	PASS
5180	40	120	5179.916046	5150 – 5250	PASS
5180	30	120	5180.078254	5150 – 5250	PASS
5180	20	120	5180.082705	5150 – 5250	PASS
5180	10	120	5179.970348	5150 – 5250	PASS
5180	0	120	5180.047653	5150 – 5250	PASS
5180	-10	120	5180.010374	5150 – 5250	PASS
5180	-20	120	5179.992627	5150 – 5250	PASS
5180	-30	120	5180.082414	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5180	20	132	5179.949916	5150 – 5250	PASS
5180	20	108	5179.931950	5150 – 5250	PASS
5180	50	120	5180.089187	5150 – 5250	PASS
5180	40	120	5180.092946	5150 – 5250	PASS
5180	30	120	5180.047201	5150 – 5250	PASS
5180	20	120	5180.041783	5150 – 5250	PASS
5180	10	120	5180.008701	5150 – 5250	PASS
5180	0	120	5180.024504	5150 – 5250	PASS
5180	-10	120	5180.049042	5150 – 5250	PASS
5180	-20	120	5180.095489	5150 – 5250	PASS
5180	-30	120	5179.972047	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5199.978791	5150 – 5250	PASS
5200	20	108	5199.927384	5150 – 5250	PASS
5200	50	120	5200.084774	5150 – 5250	PASS
5200	40	120	5200.073835	5150 – 5250	PASS
5200	30	120	5200.029376	5150 – 5250	PASS
5200	20	120	5199.960806	5150 – 5250	PASS
5200	10	120	5199.962552	5150 – 5250	PASS
5200	0	120	5199.989395	5150 – 5250	PASS
5200	-10	120	5200.050133	5150 – 5250	PASS
5200	-20	120	5200.094522	5150 – 5250	PASS
5200	-30	120	5199.985599	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5200	20	132	5199.987089	5150 – 5250	PASS
5200	20	108	5200.072854	5150 – 5250	PASS
5200	50	120	5199.941373	5150 – 5250	PASS
5200	40	120	5199.967690	5150 – 5250	PASS
5200	30	120	5199.969591	5150 – 5250	PASS
5200	20	120	5200.085620	5150 – 5250	PASS
5200	10	120	5200.014942	5150 – 5250	PASS
5200	0	120	5199.919694	5150 – 5250	PASS
5200	-10	120	5199.969577	5150 – 5250	PASS
5200	-20	120	5199.934338	5150 – 5250	PASS
5200	-30	120	5200.008380	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5240.063318	5150 – 5250	PASS
5240	20	108	5239.920175	5150 – 5250	PASS
5240	50	120	5239.930777	5150 – 5250	PASS
5240	40	120	5239.939278	5150 – 5250	PASS
5240	30	120	5239.974381	5150 – 5250	PASS
5240	20	120	5240.052147	5150 – 5250	PASS
5240	10	120	5239.925312	5150 – 5250	PASS
5240	0	120	5240.057178	5150 – 5250	PASS
5240	-10	120	5239.989667	5150 – 5250	PASS
5240	-20	120	5240.086978	5150 – 5250	PASS
5240	-30	120	5240.010678	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5240	20	132	5239.991805	5150 – 5250	PASS
5240	20	108	5240.066761	5150 – 5250	PASS
5240	50	120	5239.959859	5150 – 5250	PASS
5240	40	120	5239.903999	5150 – 5250	PASS
5240	30	120	5240.039539	5150 – 5250	PASS
5240	20	120	5239.925776	5150 – 5250	PASS
5240	10	120	5240.036414	5150 – 5250	PASS
5240	0	120	5239.957327	5150 – 5250	PASS
5240	-10	120	5240.045799	5150 – 5250	PASS
5240	-20	120	5239.964694	5150 – 5250	PASS
5240	-30	120	5240.026151	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.089221	5150 – 5250	PASS
5190	20	108	5189.933247	5150 – 5250	PASS
5190	50	120	5190.029918	5150 – 5250	PASS
5190	40	120	5190.002318	5150 – 5250	PASS
5190	30	120	5190.049553	5150 – 5250	PASS
5190	20	120	5189.924800	5150 – 5250	PASS
5190	10	120	5189.926460	5150 – 5250	PASS
5190	0	120	5189.987782	5150 – 5250	PASS
5190	-10	120	5190.034795	5150 – 5250	PASS
5190	-20	120	5190.030498	5150 – 5250	PASS
5190	-30	120	5190.020037	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5190	20	132	5190.069329	5150 – 5250	PASS
5190	20	108	5190.091033	5150 – 5250	PASS
5190	50	120	5190.086423	5150 – 5250	PASS
5190	40	120	5189.947747	5150 – 5250	PASS
5190	30	120	5190.023928	5150 – 5250	PASS
5190	20	120	5189.943185	5150 – 5250	PASS
5190	10	120	5190.016212	5150 – 5250	PASS
5190	0	120	5190.049533	5150 – 5250	PASS
5190	-10	120	5189.955250	5150 – 5250	PASS
5190	-20	120	5190.066751	5150 – 5250	PASS
5190	-30	120	5189.951587	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.930233	5150 – 5250	PASS
5230	20	108	5230.006542	5150 – 5250	PASS
5230	50	120	5230.063116	5150 – 5250	PASS
5230	40	120	5229.901574	5150 – 5250	PASS
5230	30	120	5230.004236	5150 – 5250	PASS
5230	20	120	5229.921159	5150 – 5250	PASS
5230	10	120	5229.988437	5150 – 5250	PASS
5230	0	120	5229.935675	5150 – 5250	PASS
5230	-10	120	5229.953021	5150 – 5250	PASS
5230	-20	120	5229.927289	5150 – 5250	PASS
5230	-30	120	5230.097309	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5230	20	132	5229.976865	5150 – 5250	PASS
5230	20	108	5229.995516	5150 – 5250	PASS
5230	50	120	5229.911025	5150 – 5250	PASS
5230	40	120	5230.006416	5150 – 5250	PASS
5230	30	120	5230.003775	5150 – 5250	PASS
5230	20	120	5230.005780	5150 – 5250	PASS
5230	10	120	5230.036652	5150 – 5250	PASS
5230	0	120	5229.905963	5150 – 5250	PASS
5230	-10	120	5229.928346	5150 – 5250	PASS
5230	-20	120	5230.023445	5150 – 5250	PASS
5230	-30	120	5229.936112	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5210.031159	5150 – 5250	PASS
5210	20	108	5210.092488	5150 – 5250	PASS
5210	50	120	5210.041521	5150 – 5250	PASS
5210	40	120	5209.932803	5150 – 5250	PASS
5210	30	120	5209.926996	5150 – 5250	PASS
5210	20	120	5210.066173	5150 – 5250	PASS
5210	10	120	5209.975272	5150 – 5250	PASS
5210	0	120	5210.078552	5150 – 5250	PASS
5210	-10	120	5209.914150	5150 – 5250	PASS
5210	-20	120	5210.087073	5150 – 5250	PASS
5210	-30	120	5209.914258	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5210	20	132	5209.934338	5150 – 5250	PASS
5210	20	108	5209.978628	5150 – 5250	PASS
5210	50	120	5210.091357	5150 – 5250	PASS
5210	40	120	5210.064812	5150 – 5250	PASS
5210	30	120	5210.069175	5150 – 5250	PASS
5210	20	120	5210.092270	5150 – 5250	PASS
5210	10	120	5209.955316	5150 – 5250	PASS
5210	0	120	5209.995781	5150 – 5250	PASS
5210	-10	120	5210.090905	5150 – 5250	PASS
5210	-20	120	5209.926952	5150 – 5250	PASS
5210	-30	120	5209.990671	5150 – 5250	PASS

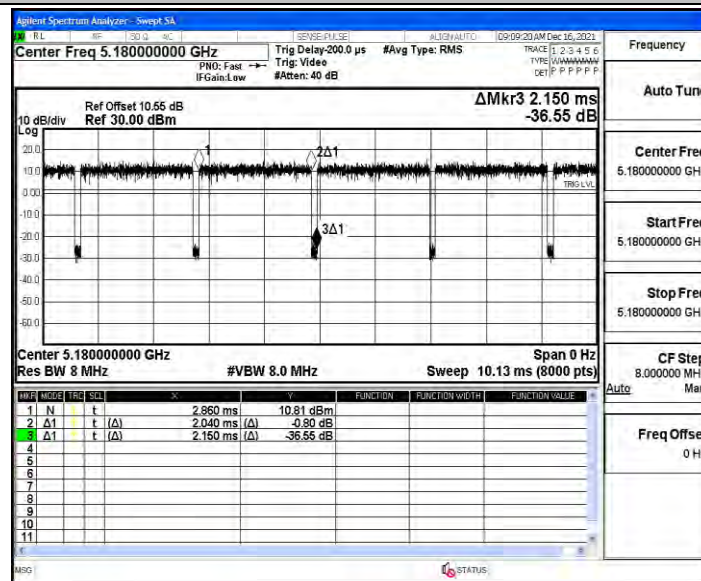
Appendix E: Duty Cycle

Test Result

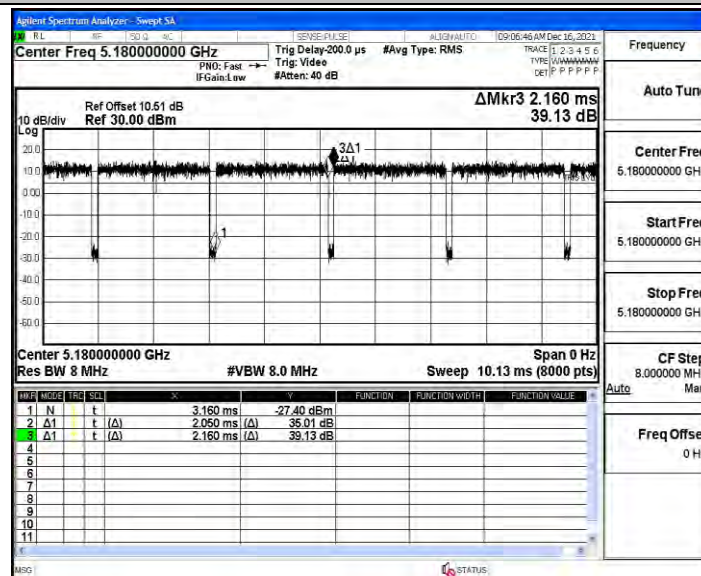
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
11A	Ant1	5180	2.04	2.15	94.88	0.49
	Ant2	5180	2.05	2.16	94.91	0.49
	Ant1	5200	2.05	2.16	94.91	0.49
	Ant2	5200	2.05	2.16	94.91	0.49
	Ant1	5240	2.05	2.16	94.91	0.49
	Ant2	5240	2.05	2.15	95.35	0.49
11N20MIMO	Ant1	5180	1.91	1.99	95.98	0.52
	Ant2	5180	1.91	1.99	95.98	0.52
	Ant1	5200	1.91	1.99	95.98	0.52
	Ant2	5200	1.90	1.99	95.48	0.53
	Ant1	5240	1.91	1.99	95.98	0.52
	Ant2	5240	1.91	1.99	95.98	0.52
11N40MIMO	Ant1	5190	0.94	1.11	84.68	1.06
	Ant2	5190	0.94	1.11	84.68	1.06
	Ant1	5230	0.93	1.10	84.55	1.08
	Ant2	5230	0.93	1.10	84.55	1.08
11AC20MIMO	Ant1	5180	0.98	1.16	84.48	1.02
	Ant2	5180	0.99	1.16	85.34	1.01
	Ant1	5200	0.99	1.16	85.34	1.01
	Ant2	5200	0.98	1.16	84.48	1.02
	Ant1	5240	0.98	1.16	84.48	1.02
	Ant2	5240	0.98	1.16	84.48	1.02
11AC40MIMO	Ant1	5190	0.50	0.59	84.75	2.00
	Ant2	5190	0.50	0.59	84.75	2.00
	Ant1	5230	0.50	0.59	84.75	2.00
	Ant2	5230	0.49	0.58	84.48	2.04
11AC80MIMO	Ant1	5210	0.26	0.33	78.79	3.85
	Ant2	5210	0.26	0.31	83.87	3.85

Test Graphs

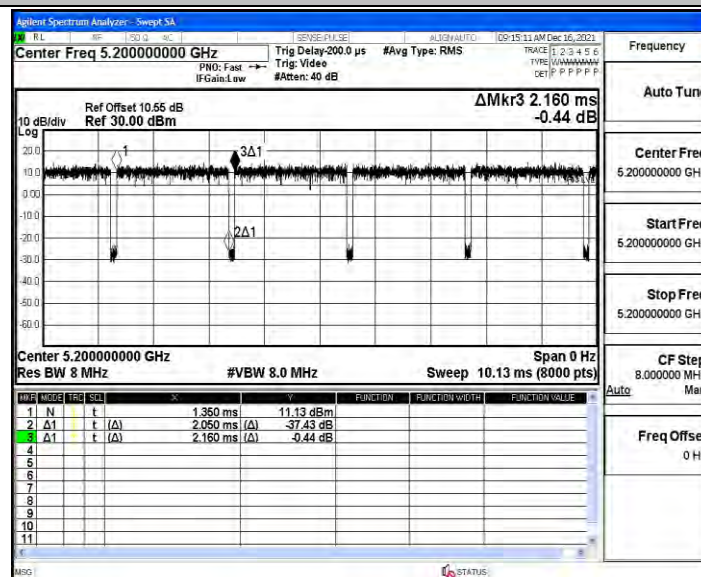
11A_Ant1_5180



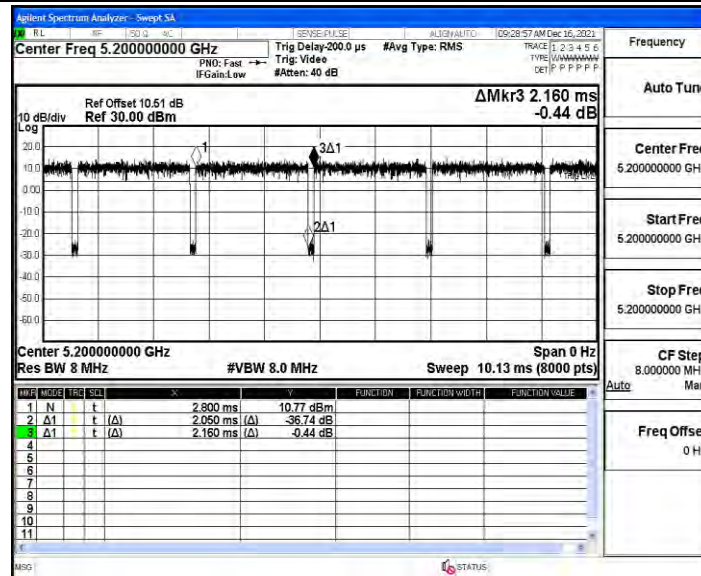
11A_Ant2_5180



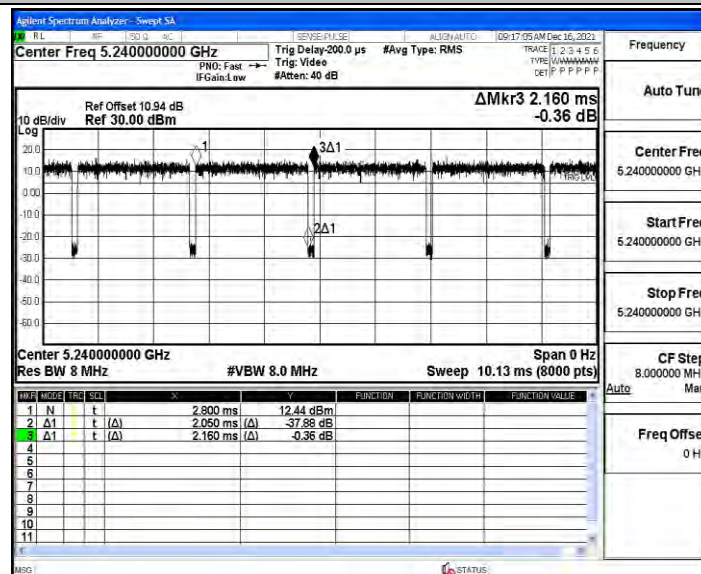
11A_Ant1_5200



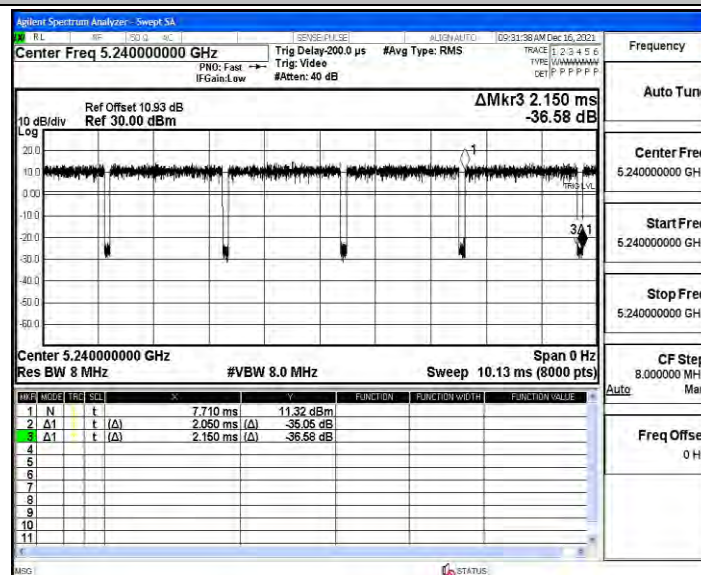
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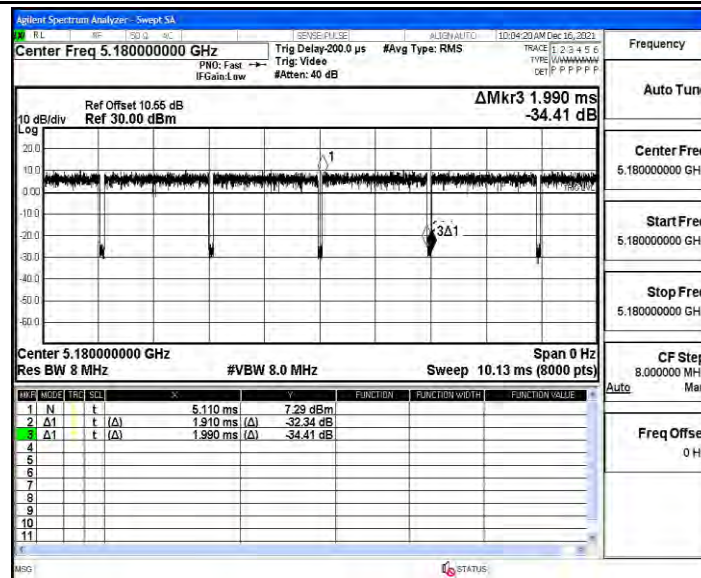
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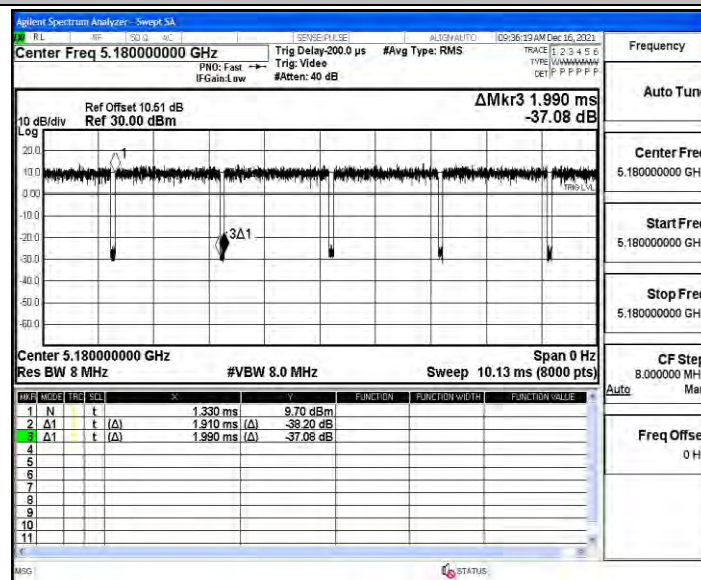
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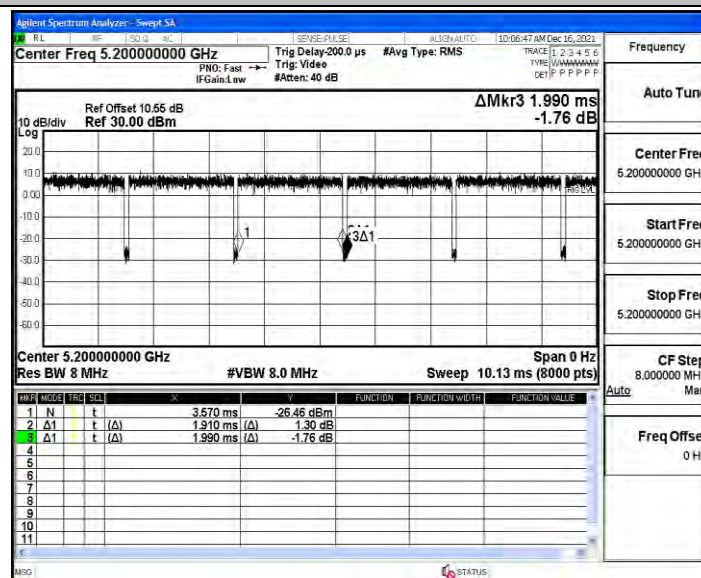
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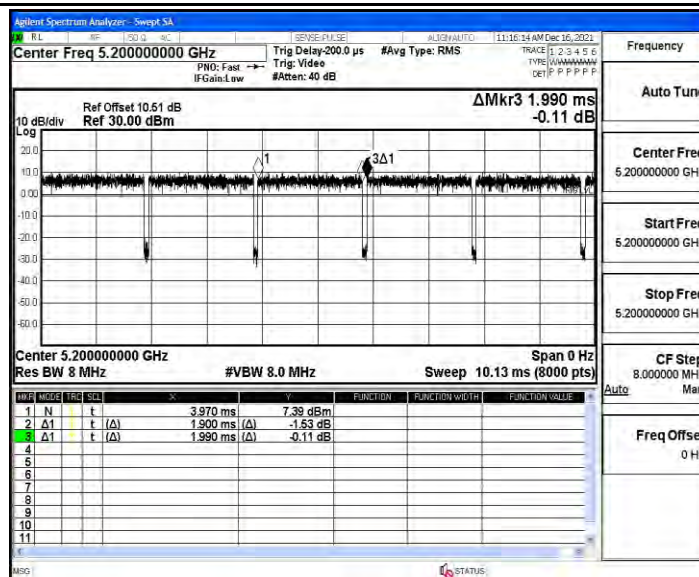
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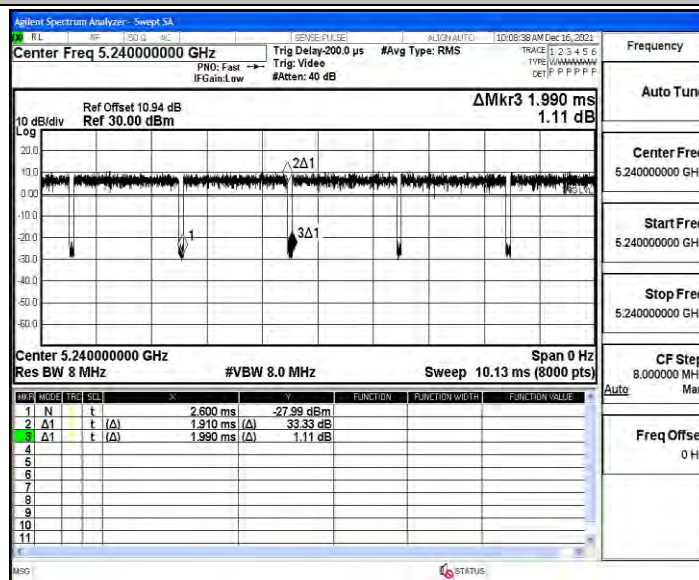
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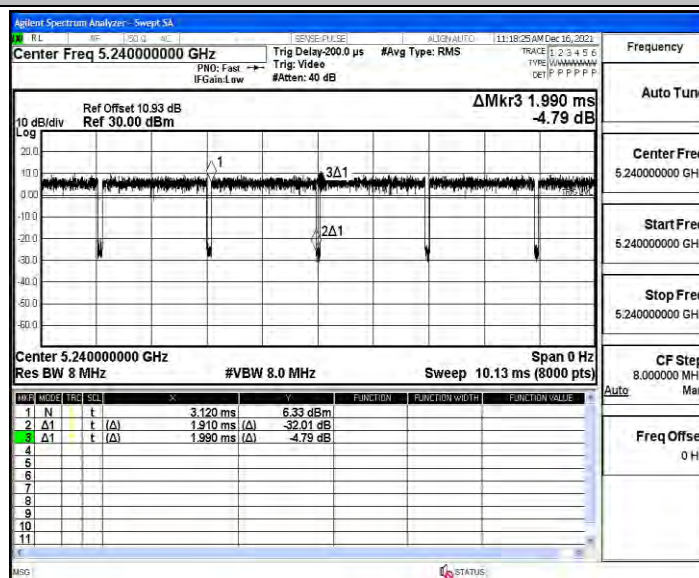
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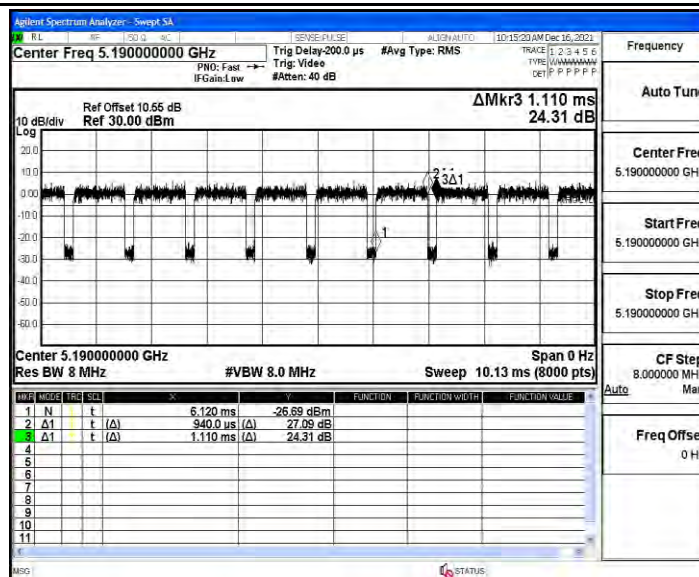
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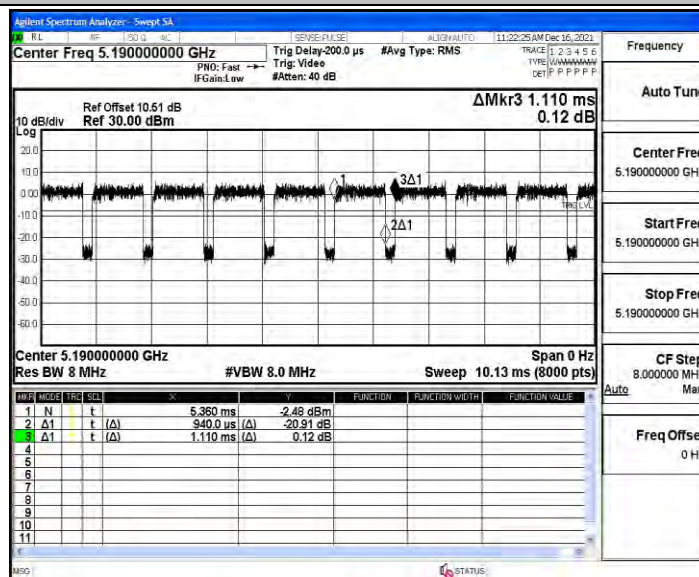
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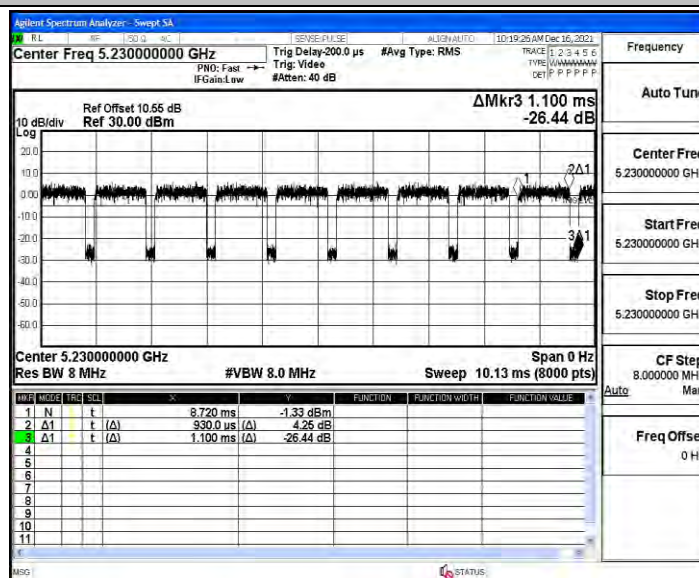
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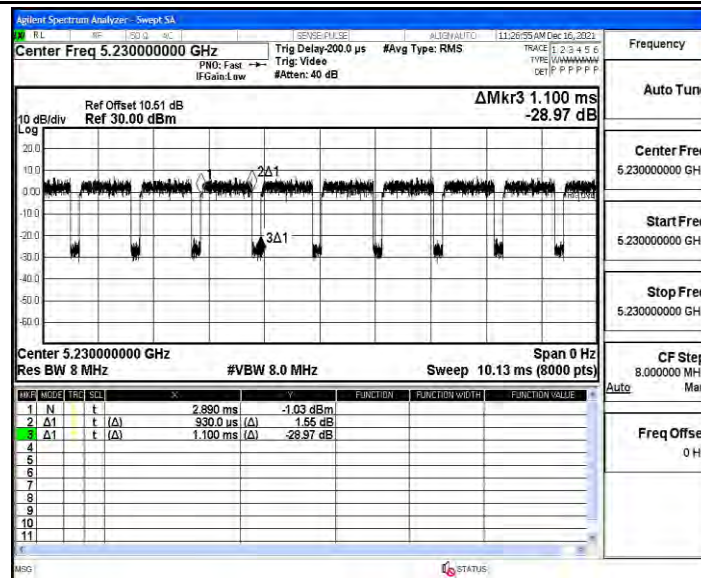
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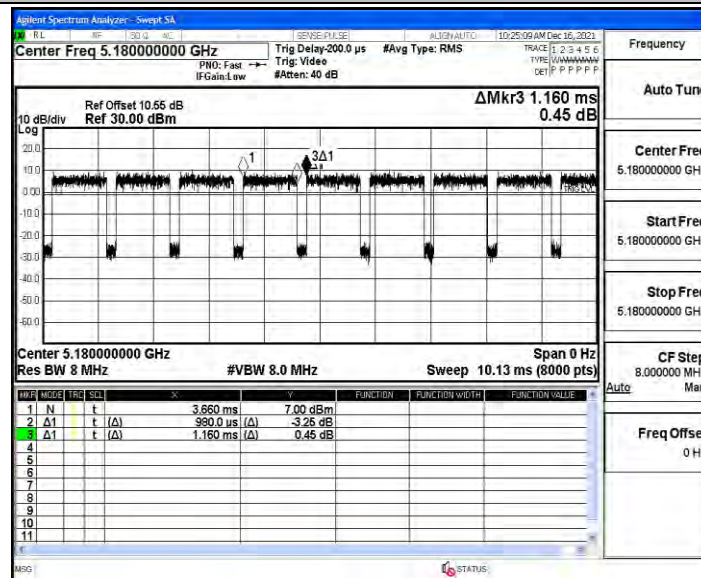
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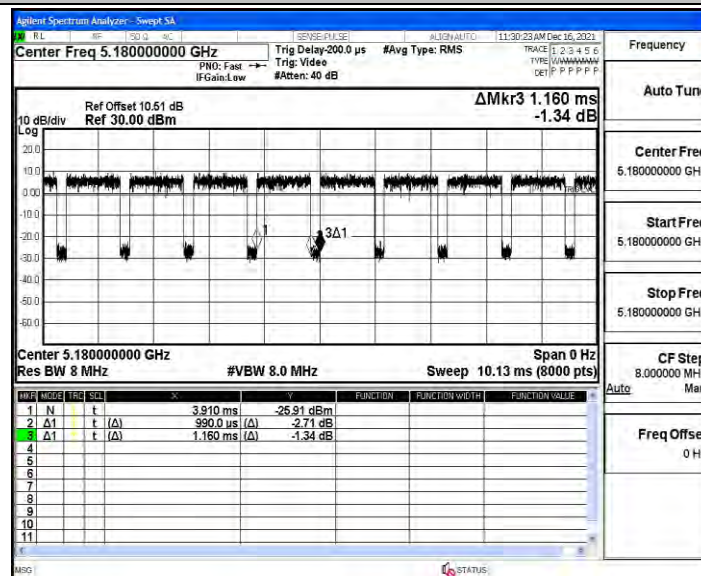
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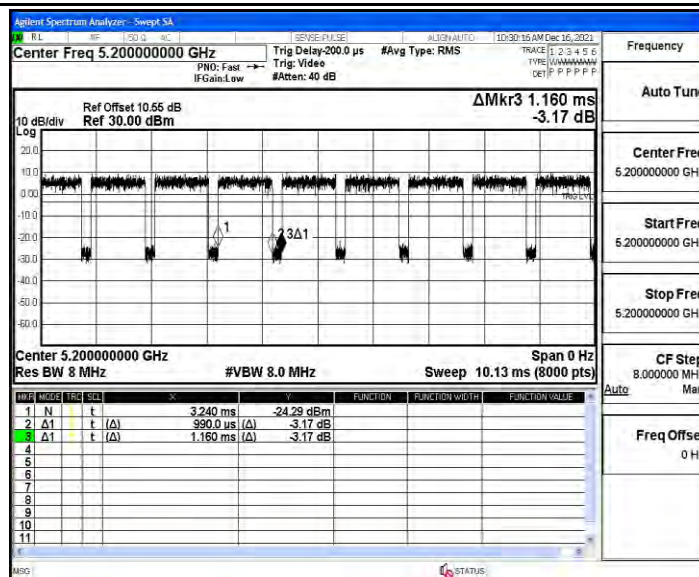
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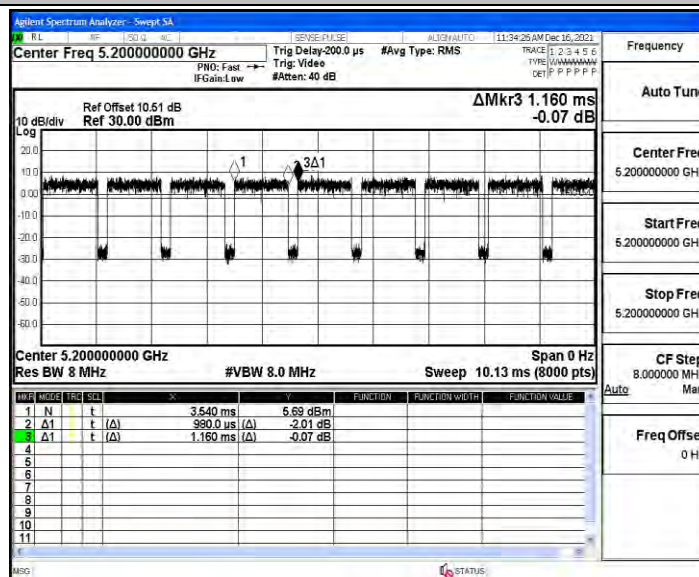
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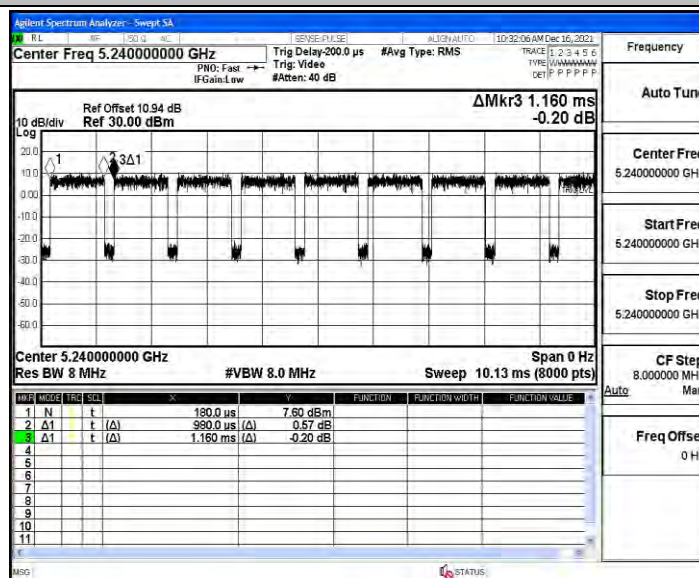
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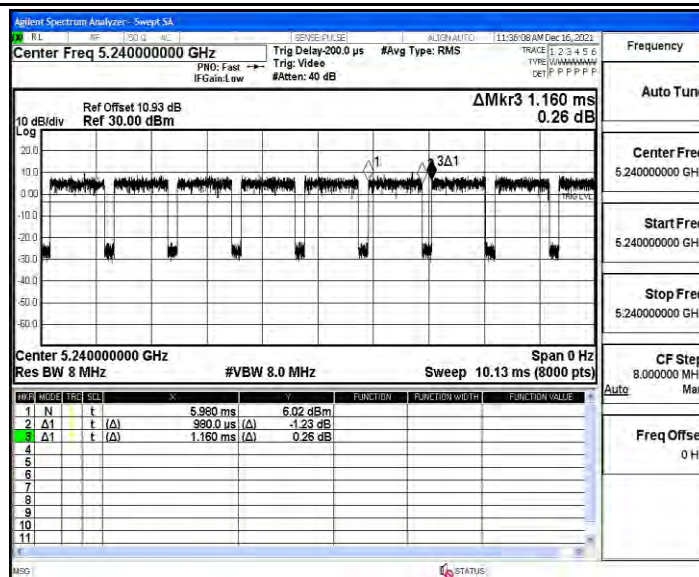
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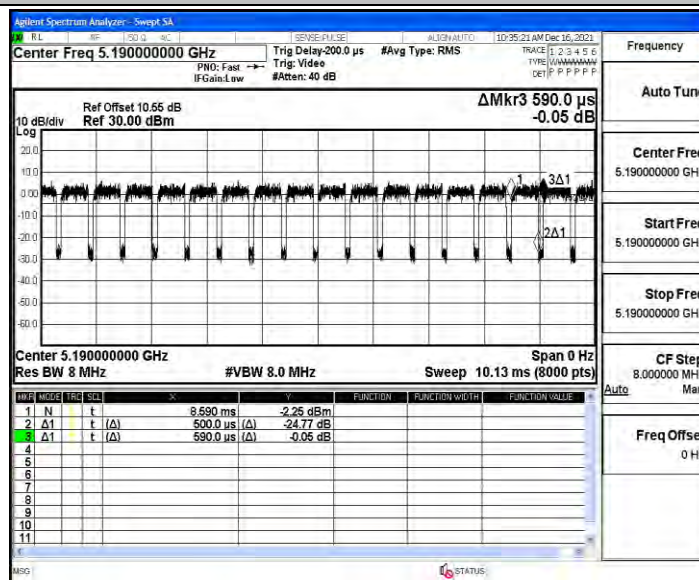
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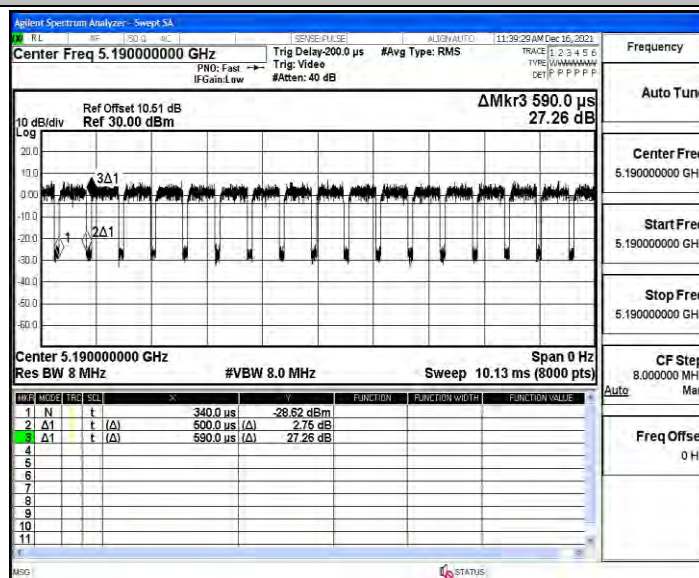
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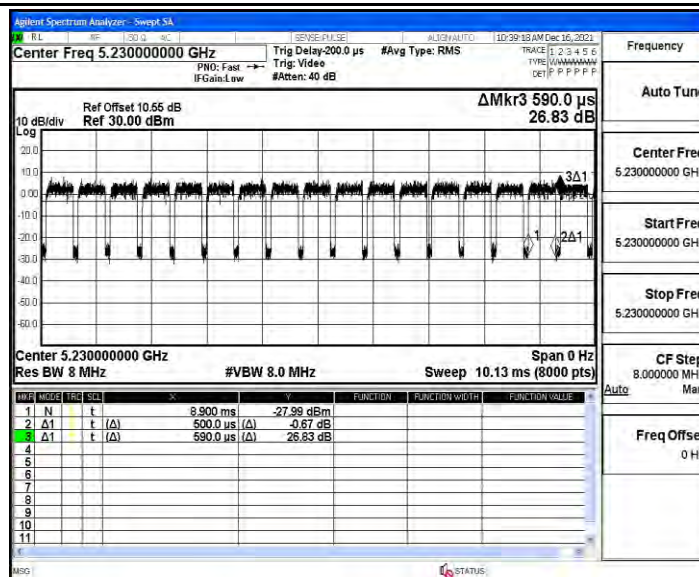
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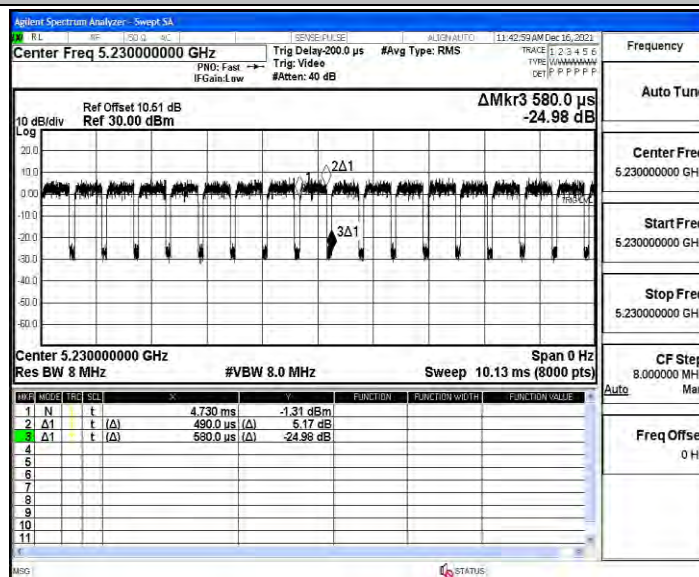
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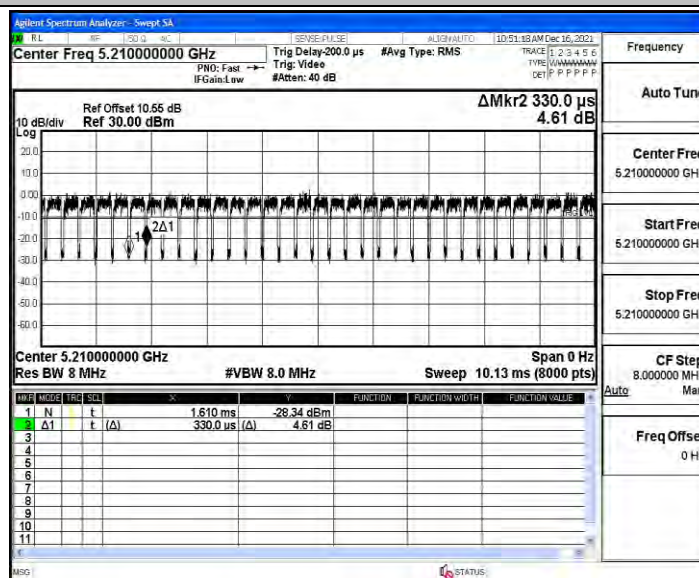
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11AC40MIMO_Ant2_5230



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210

