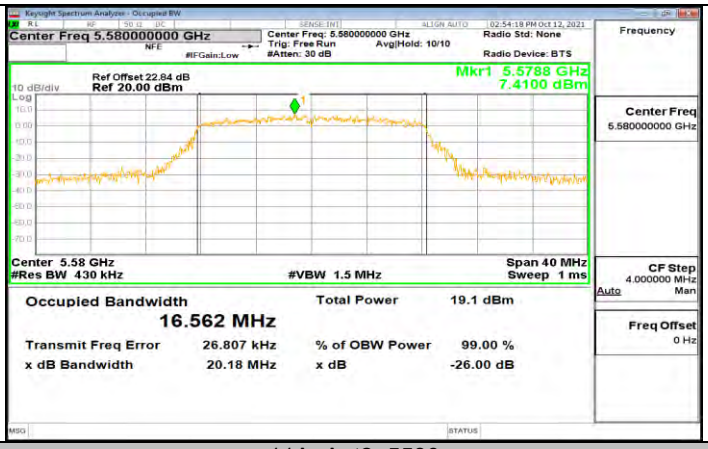
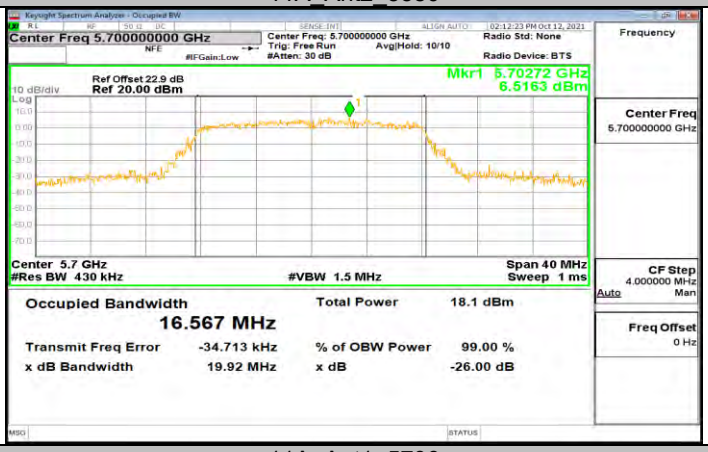
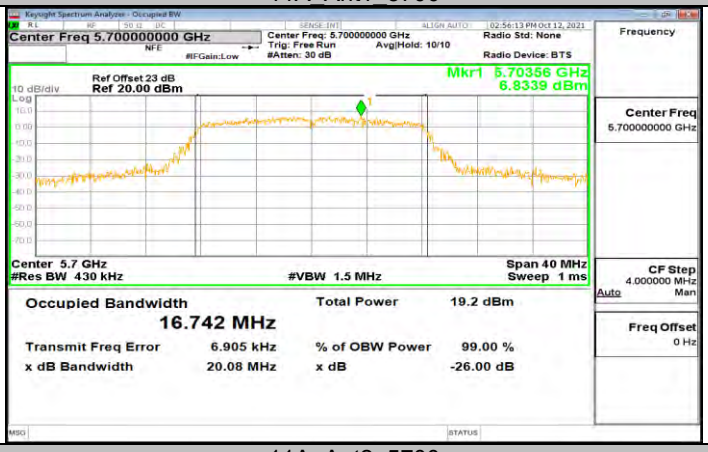


11A_Ant2_5580



11A_Ant1_5700



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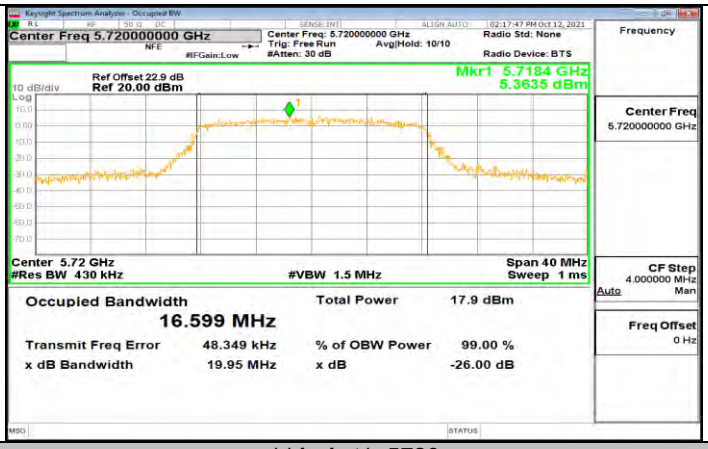
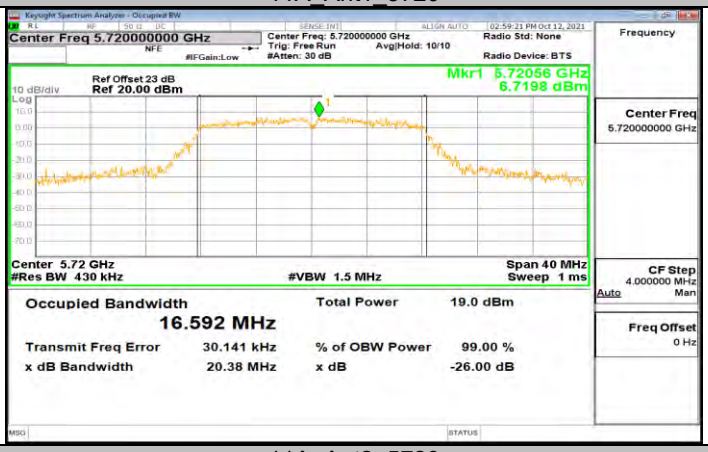
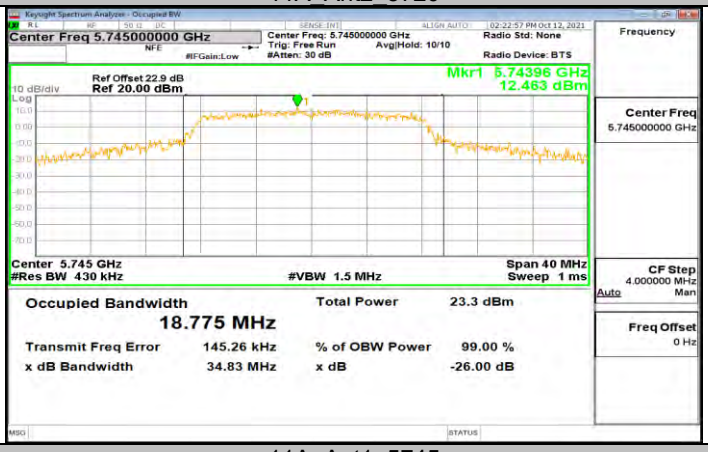


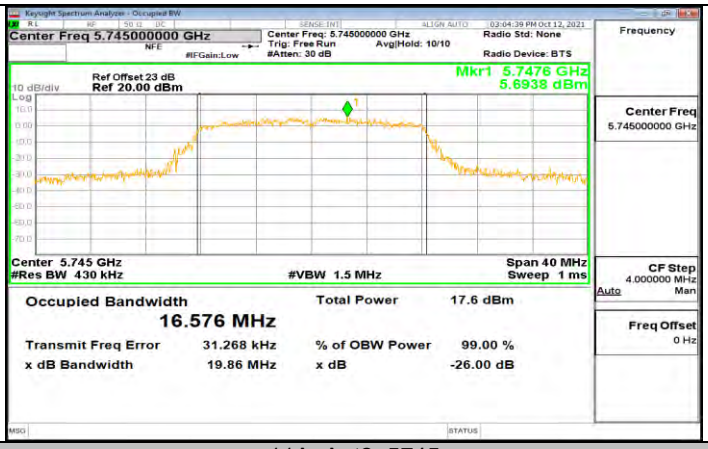
11A_Ant1_5720



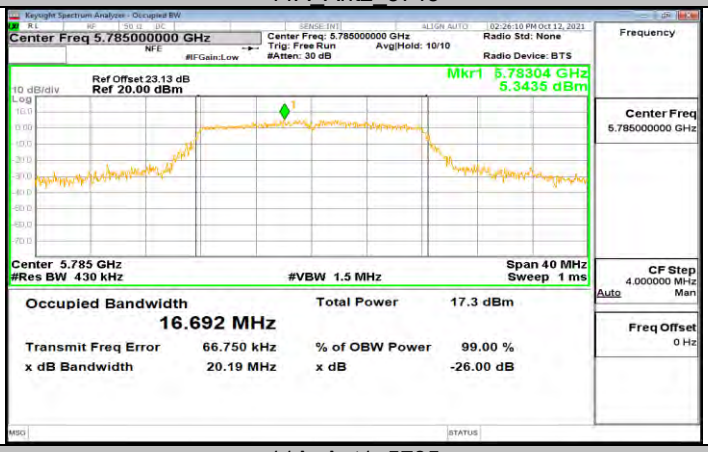
11A_Ant2_5720



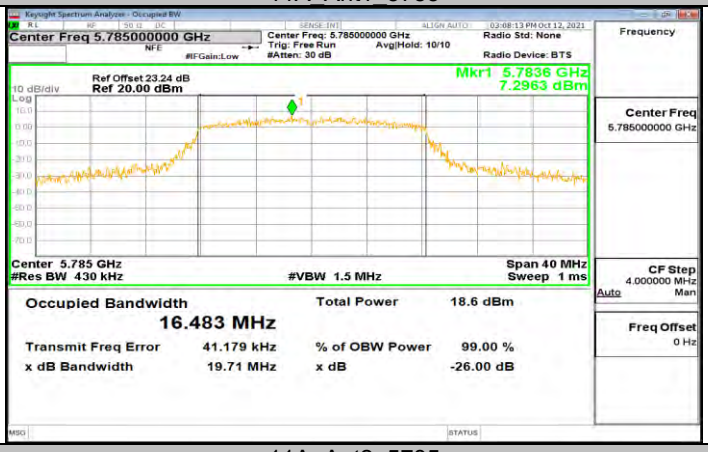
11A_Ant1_5745



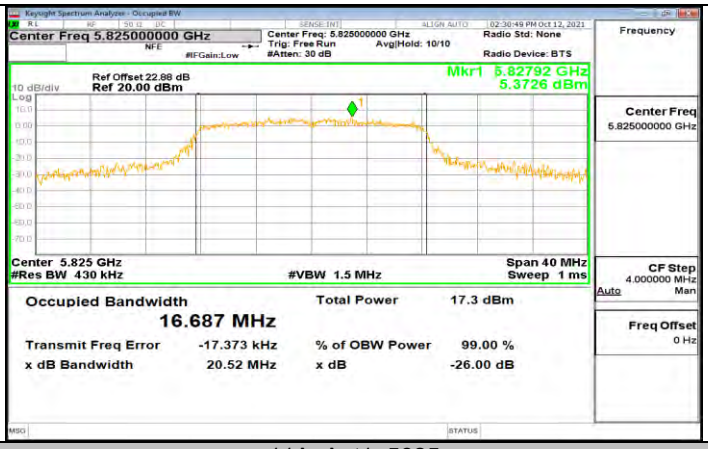
11A_Ant2_5745



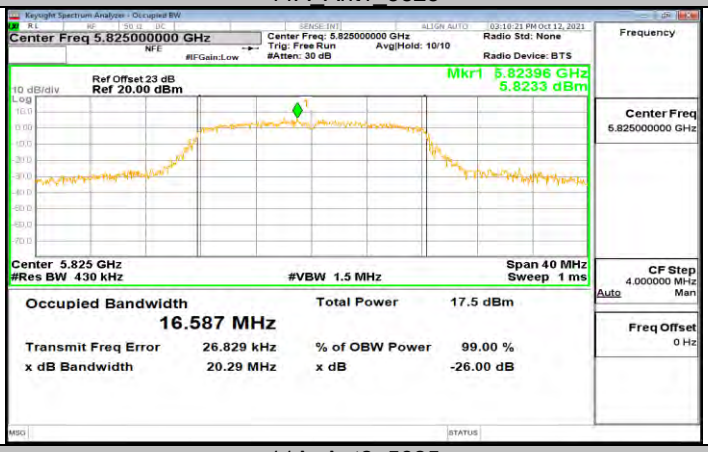
11A_Ant1_5785



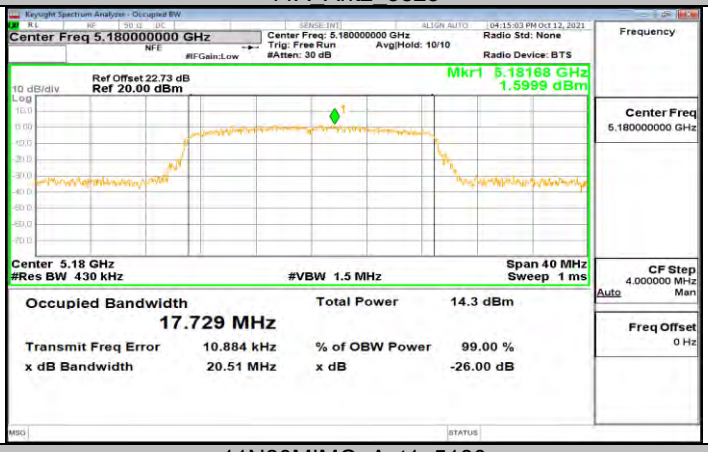
11A_Ant2_5785



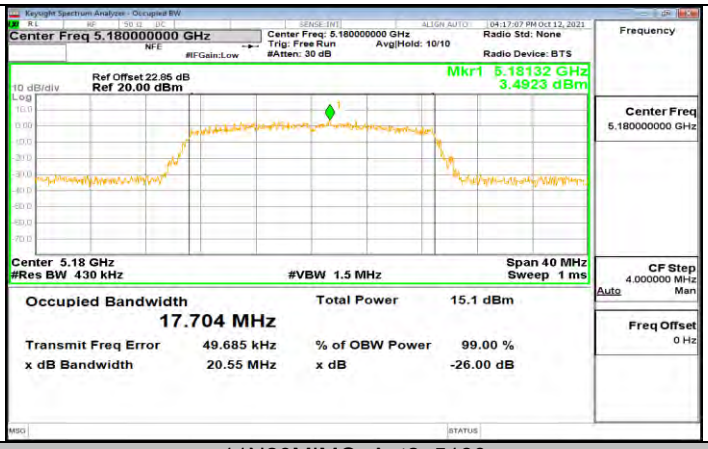
11A_Ant1_5825



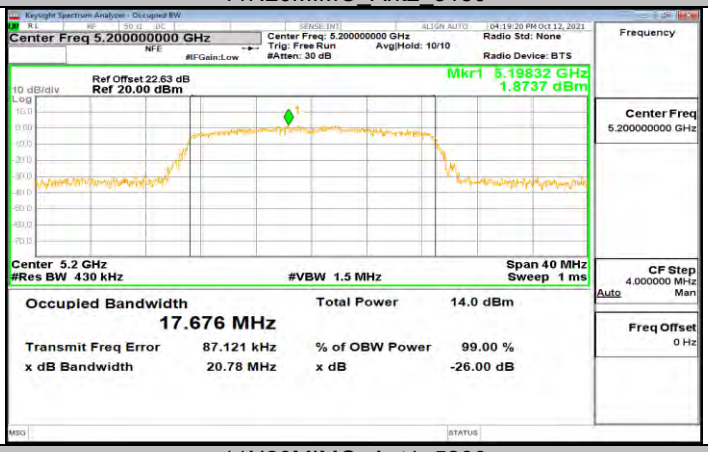
11A_Ant2_5825



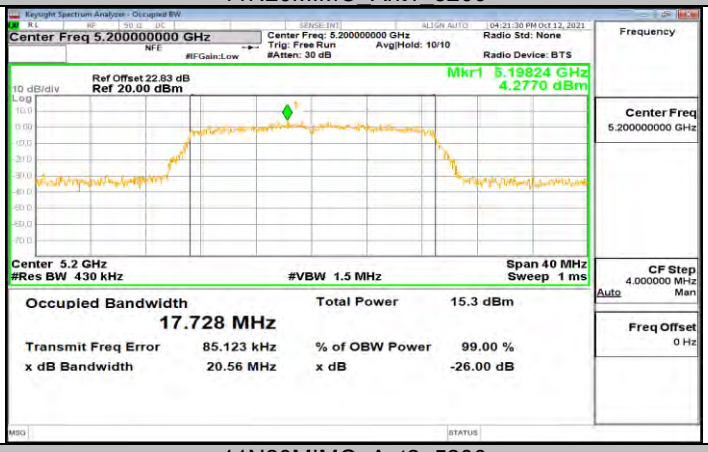
11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



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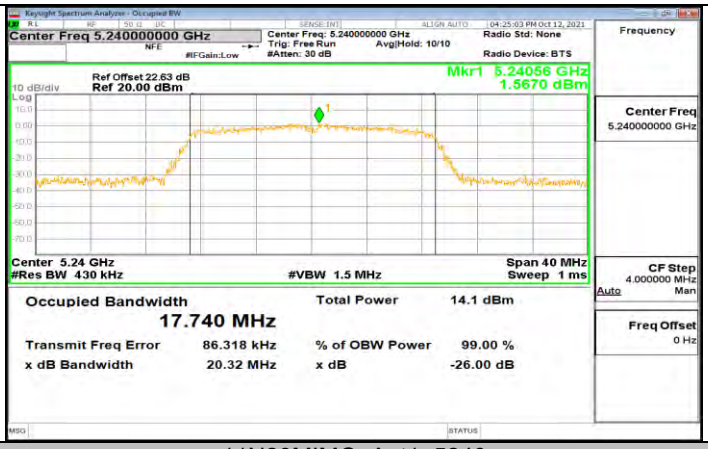
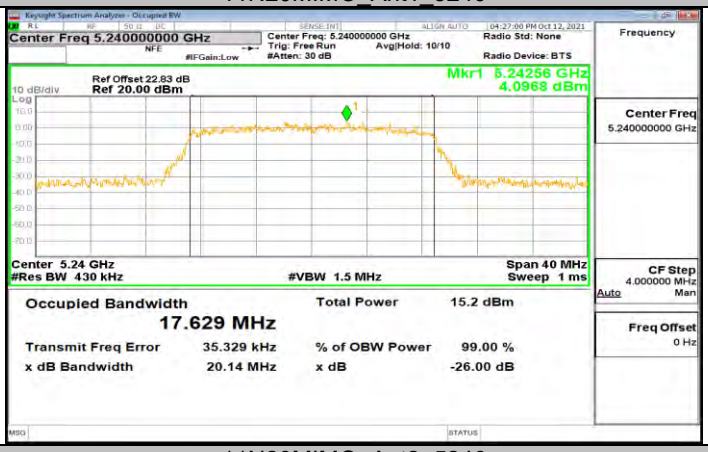
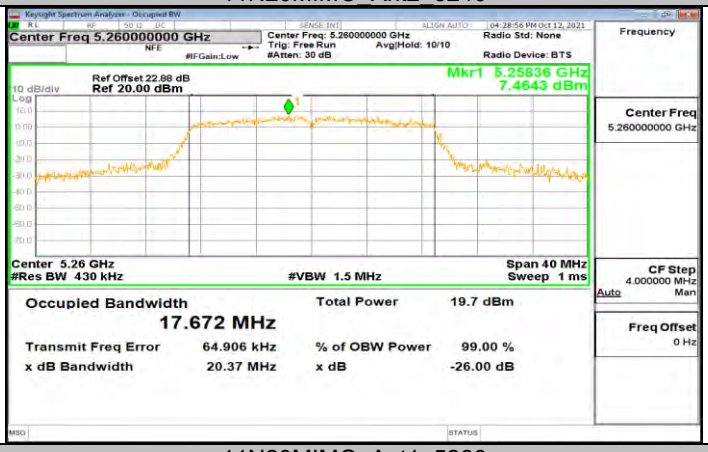


11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



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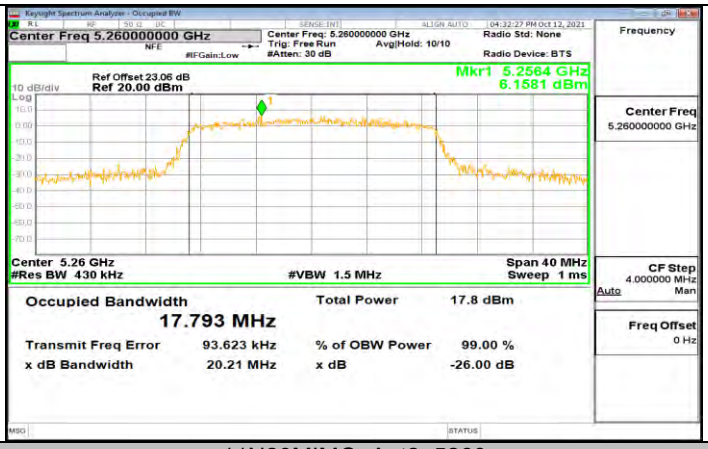

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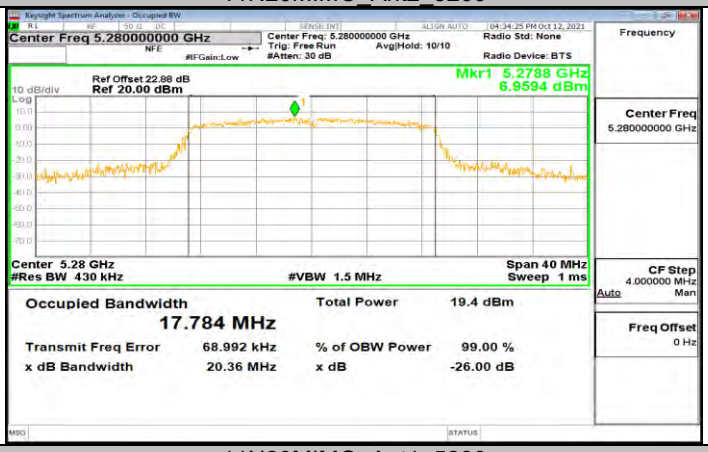
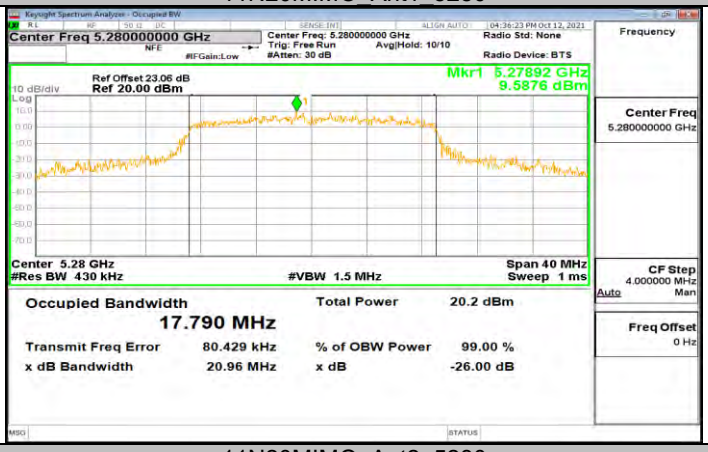


11N20MIMO_Ant1_5280



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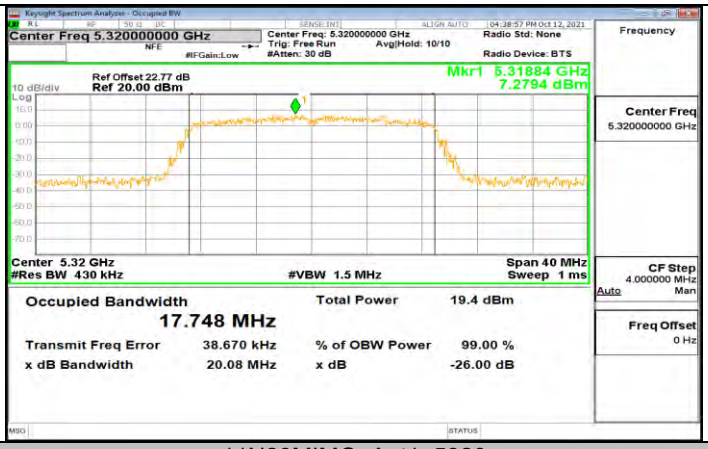

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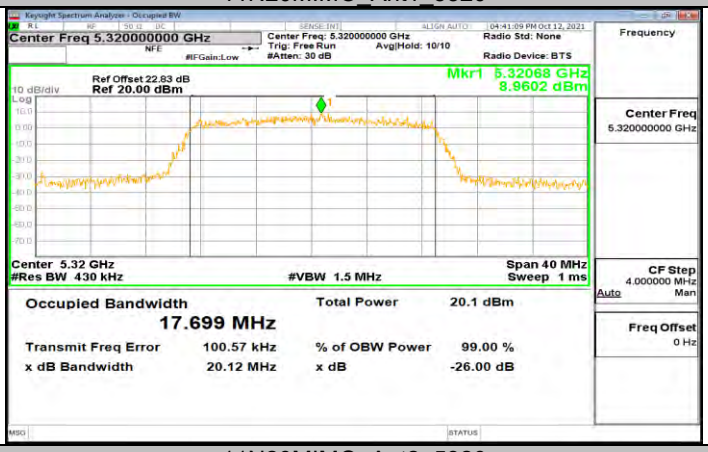

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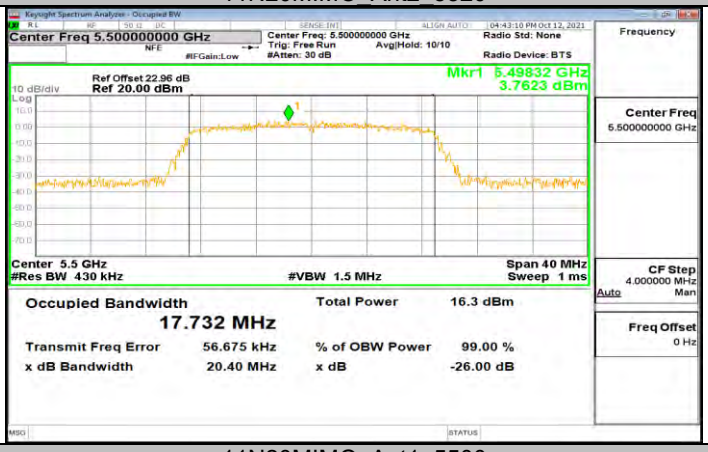

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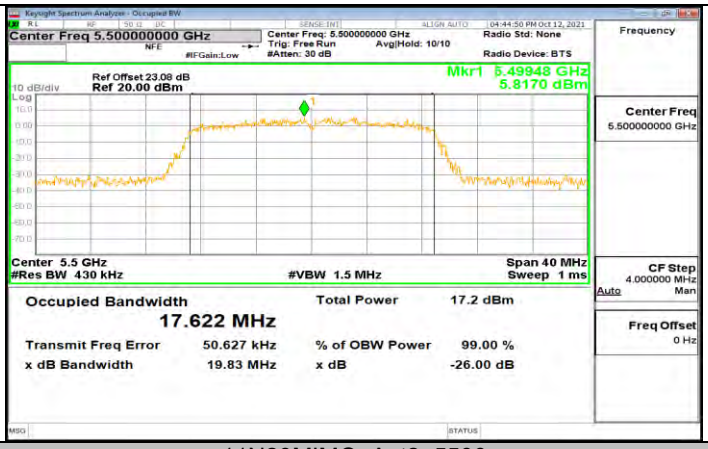

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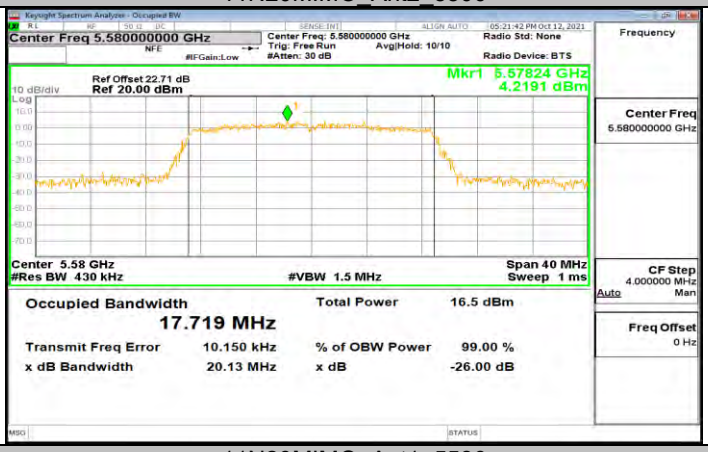

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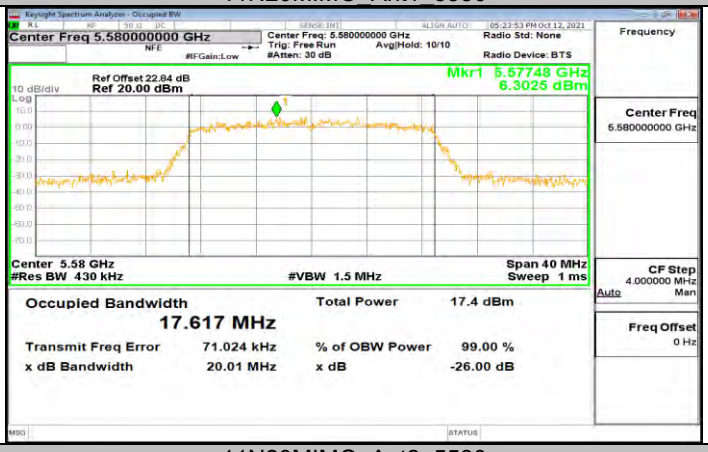

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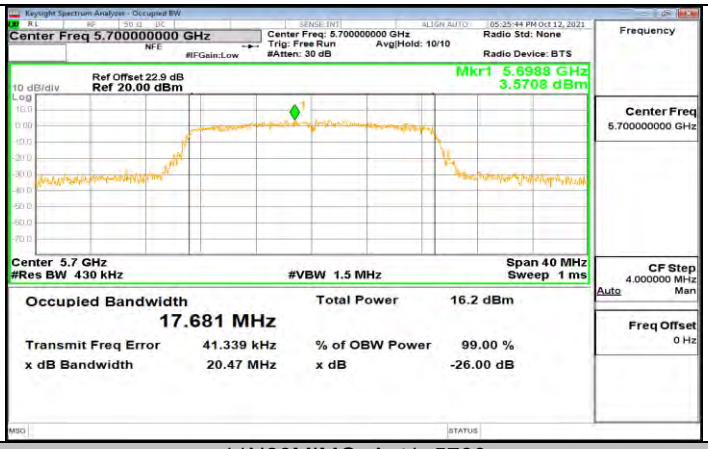

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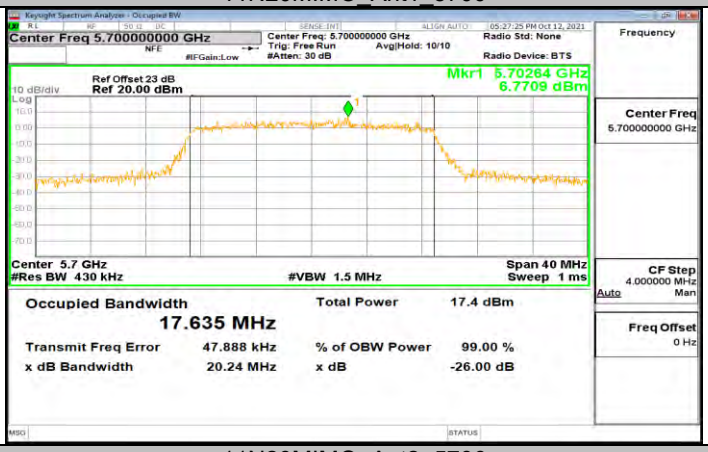

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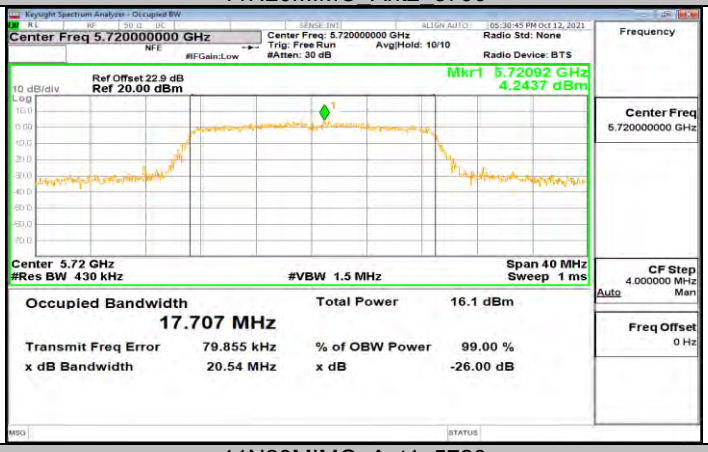

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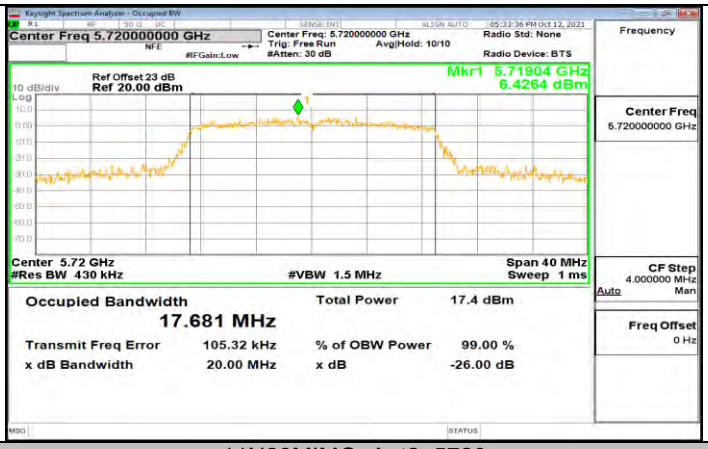

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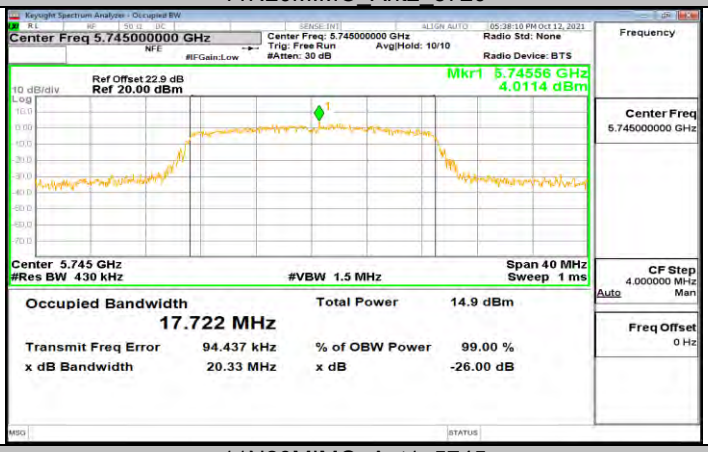
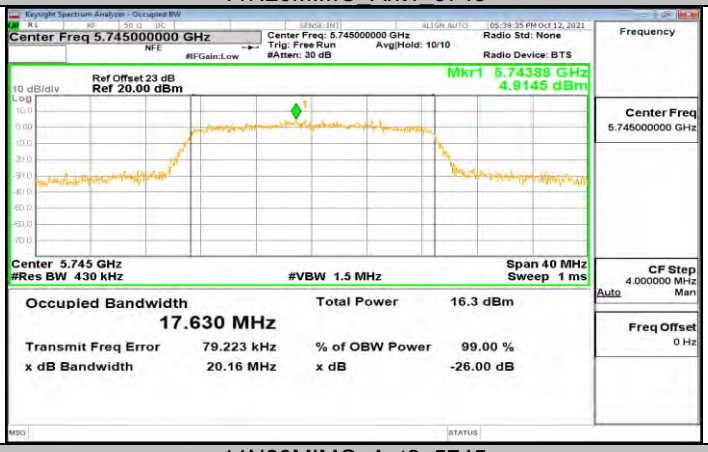


11N20MIMO_Ant1_5745



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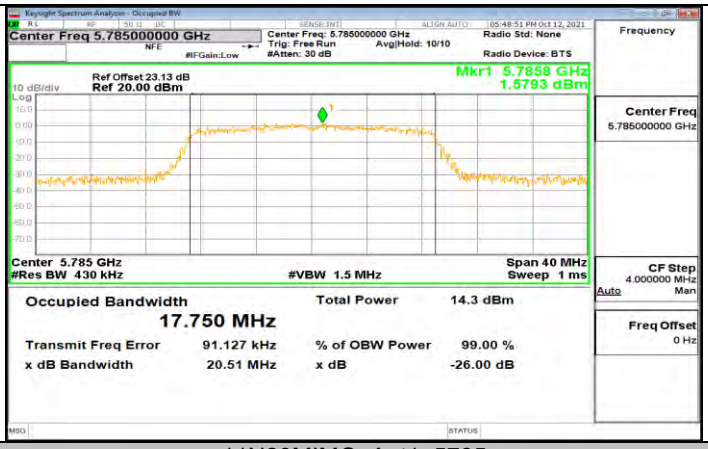

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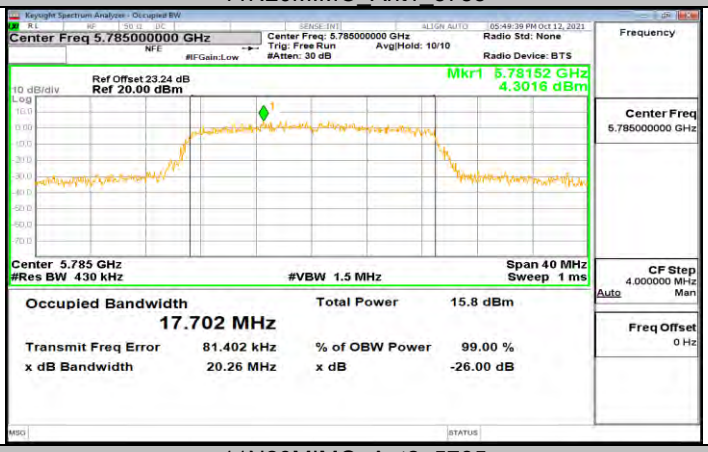

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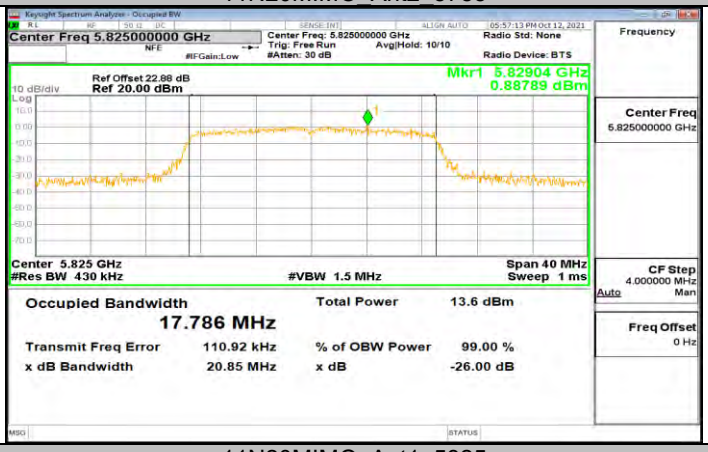

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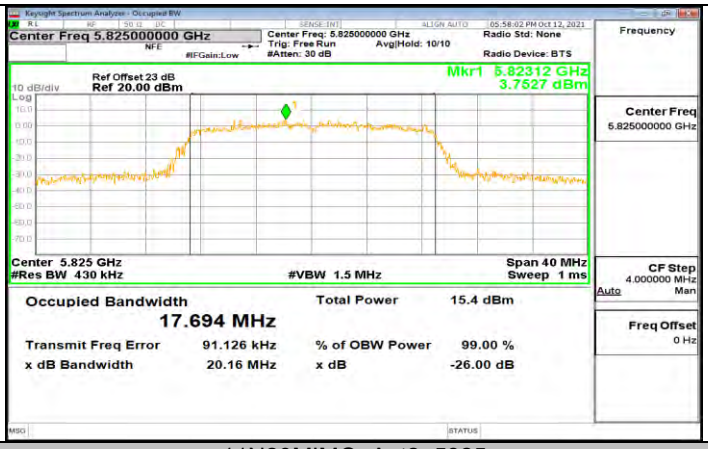
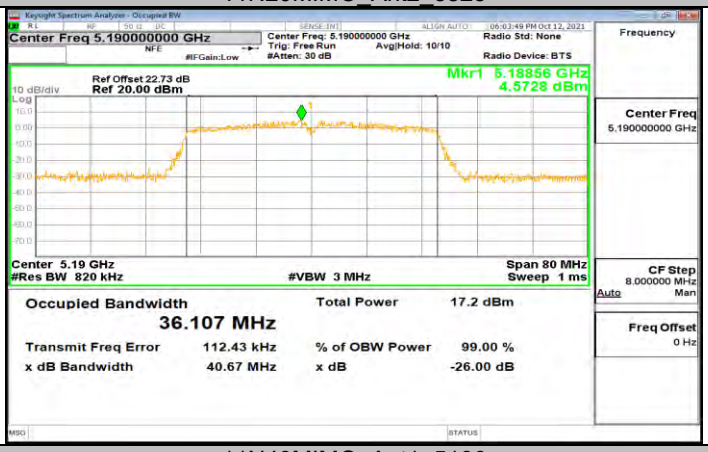
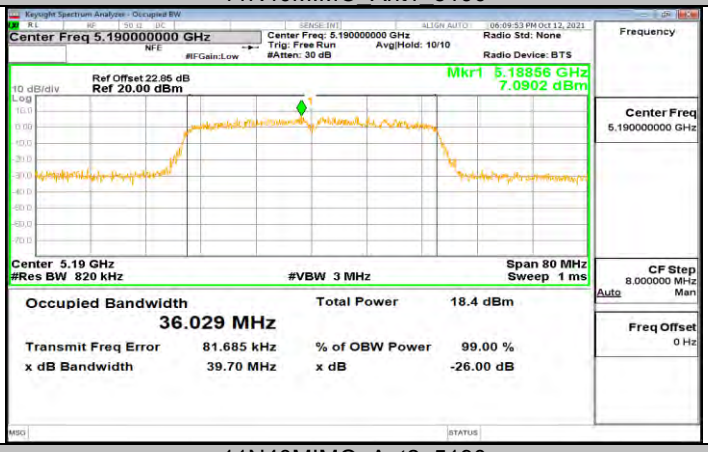


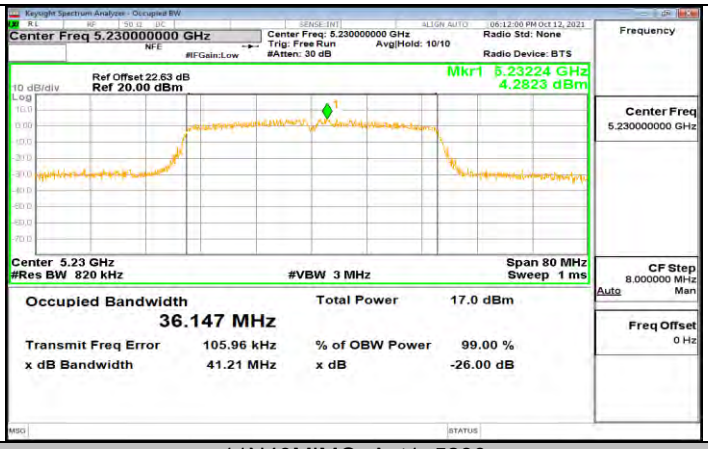
11N20MIMO_Ant2_5825



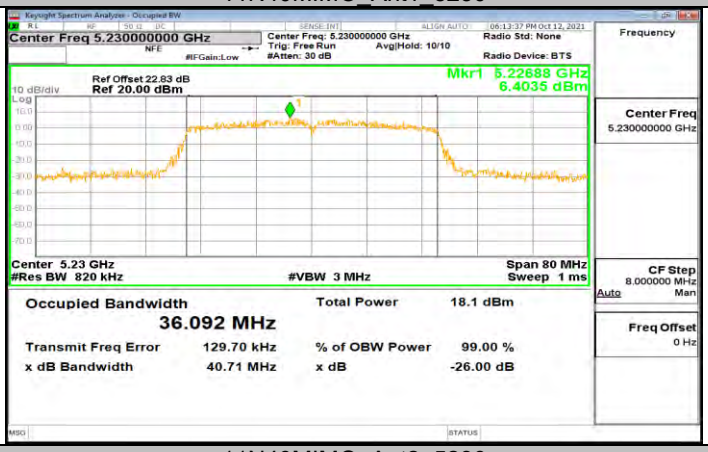
11N40MIMO_Ant1_5190



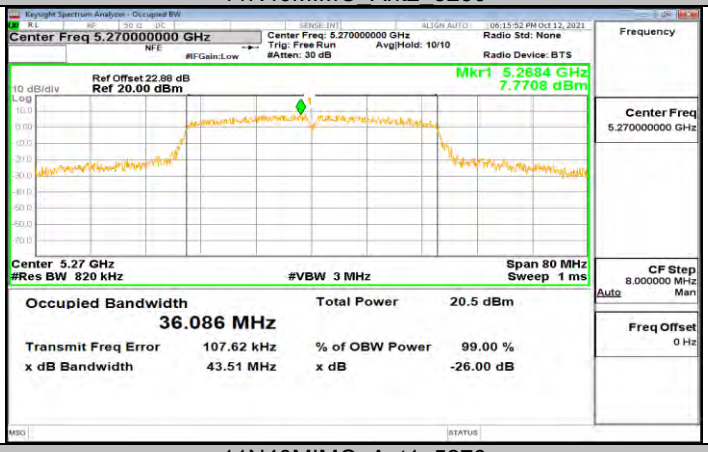
11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



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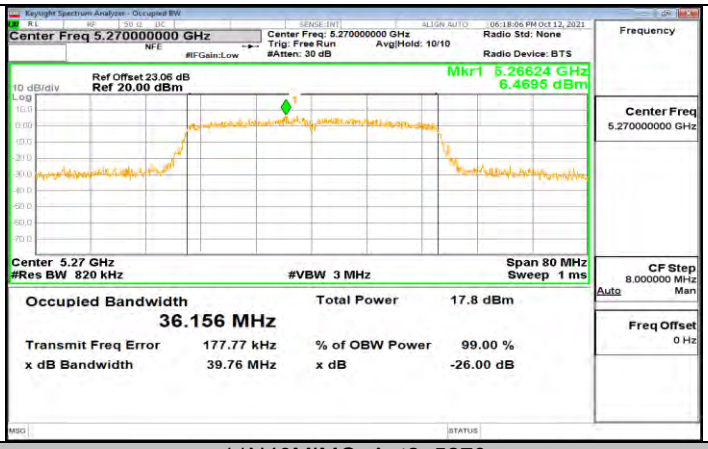

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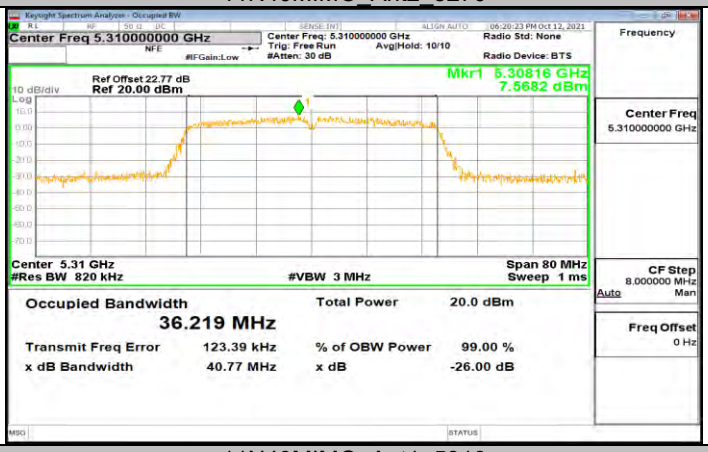
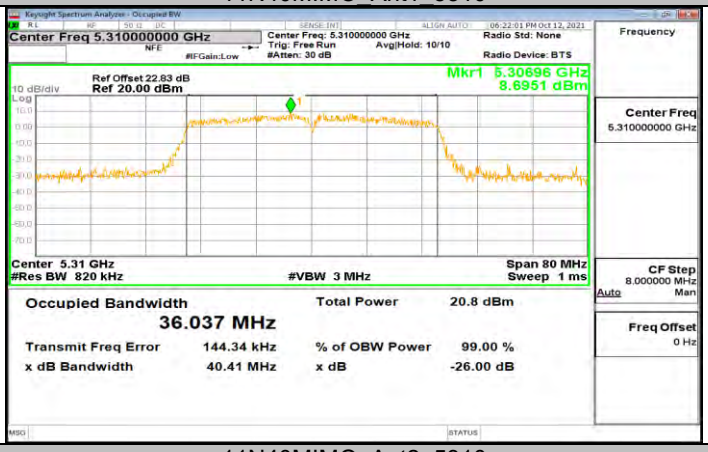


11N40MIMO_Ant1_5310



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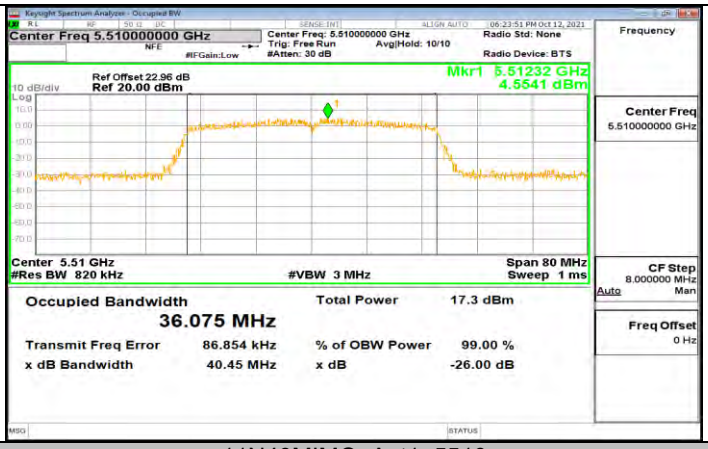

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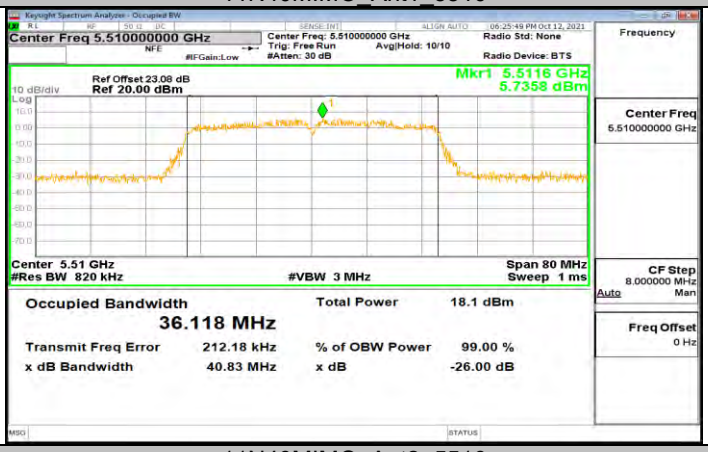

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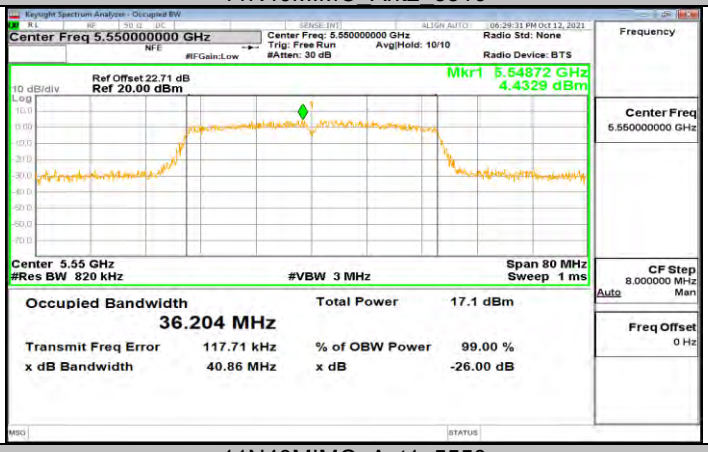

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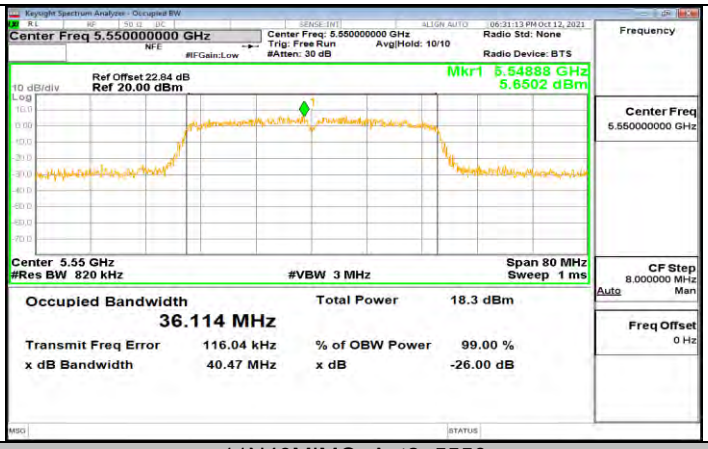

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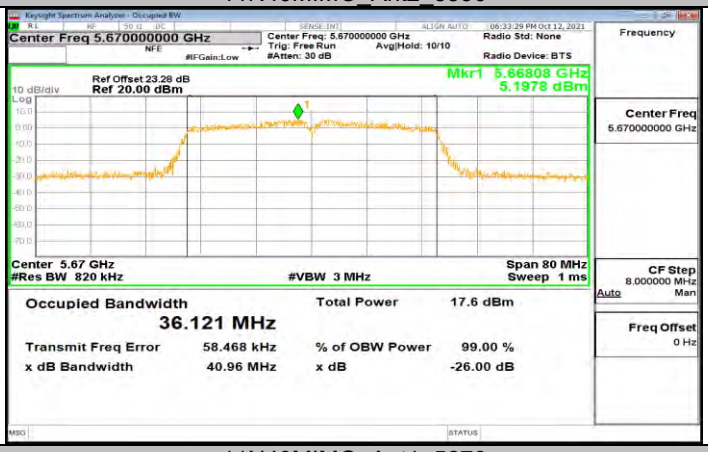

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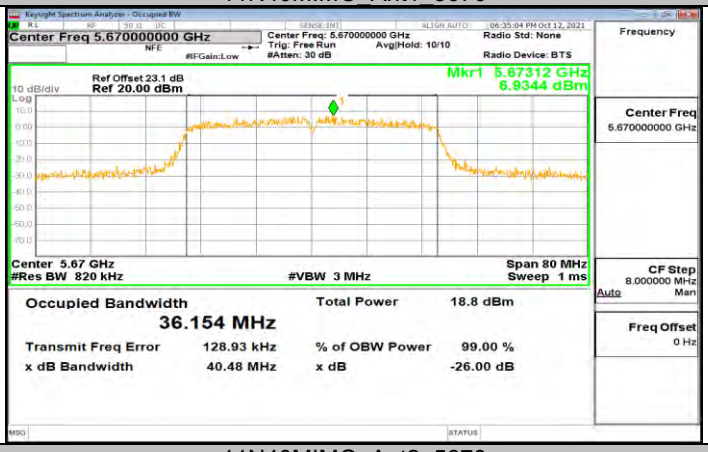

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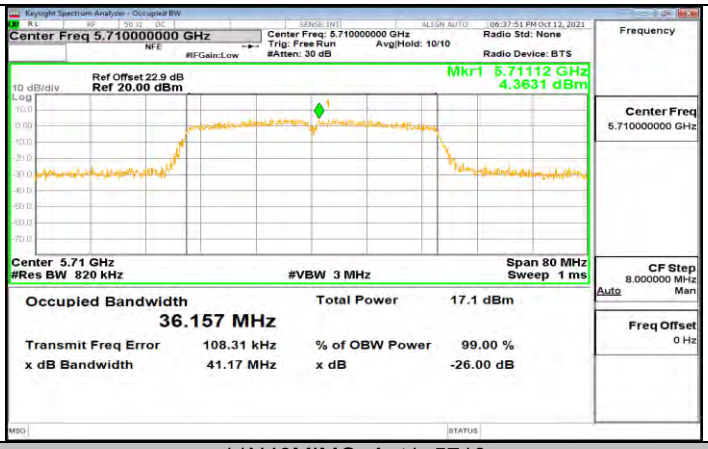
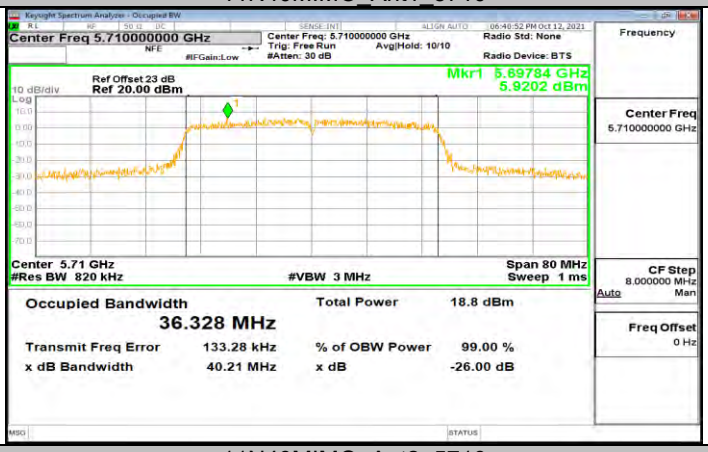


11N40MIMO_Ant1_5710



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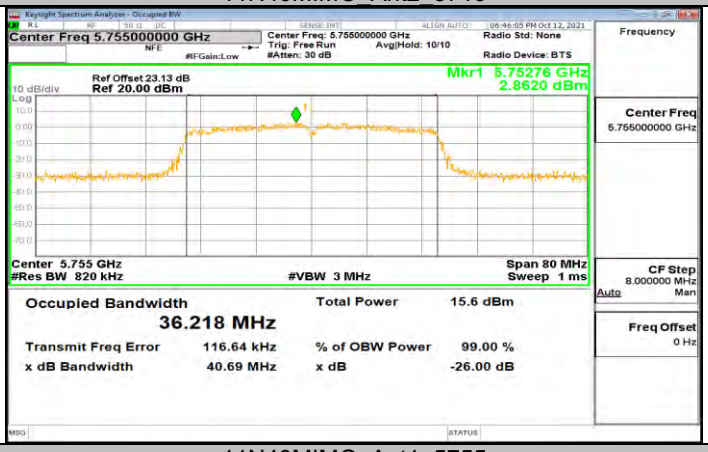
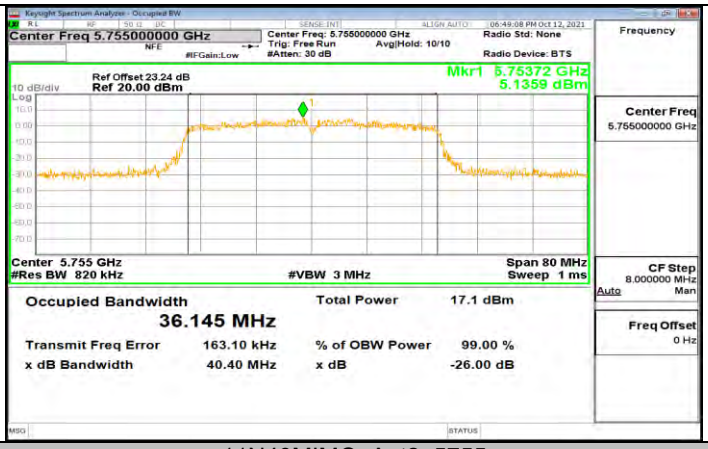


11N40MIMO_Ant1_5755



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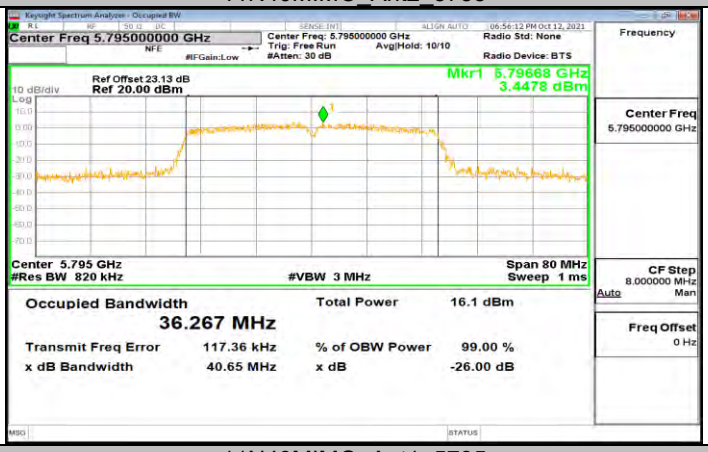
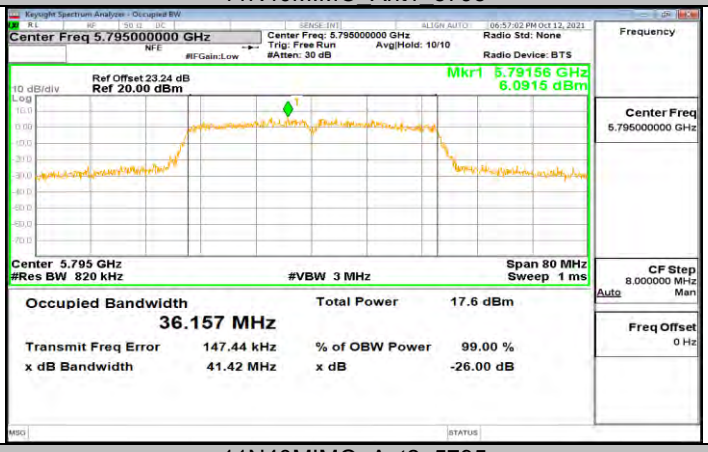
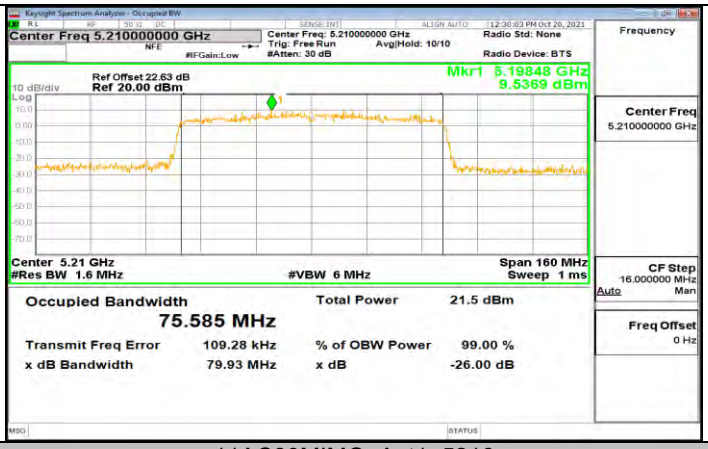


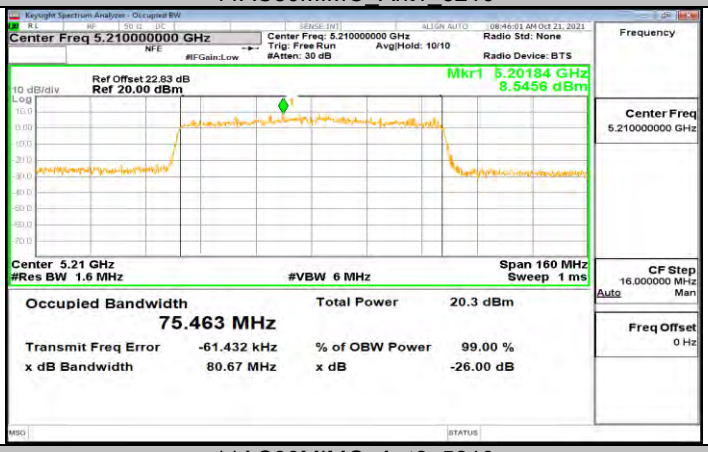
11N40MIMO_Ant1_5795



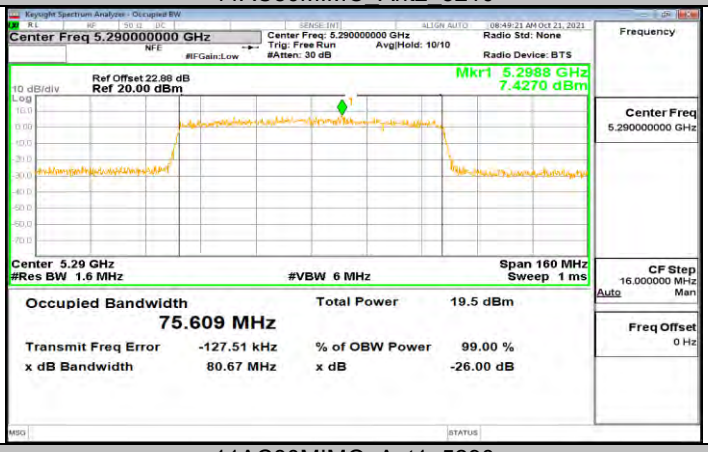
11N40MIMO_Ant2_5795



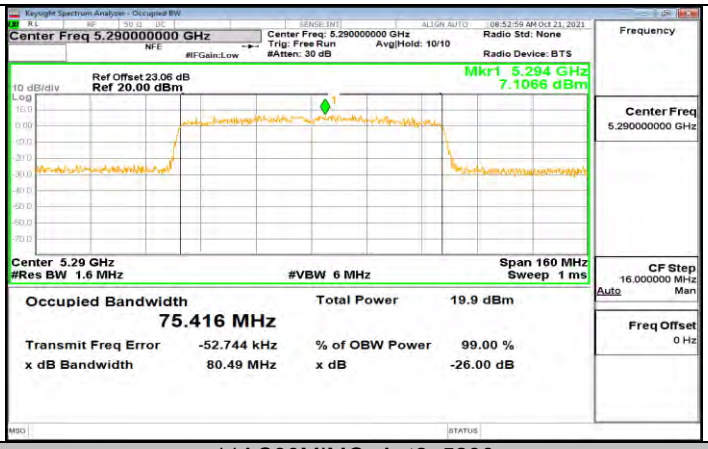
11AC80MIMO_Ant1_5210



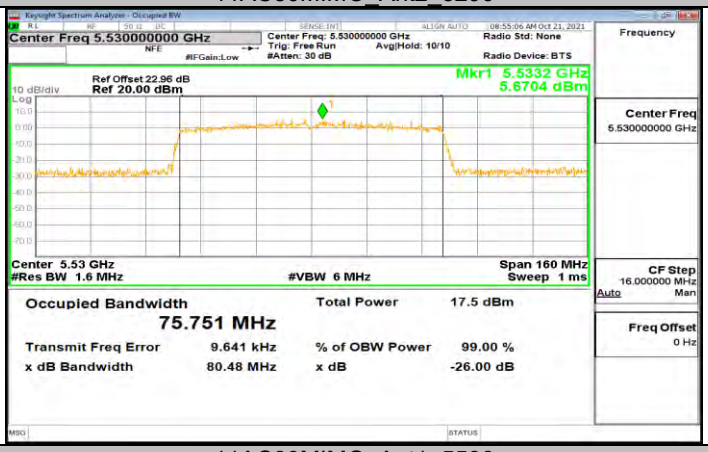
11AC80MIMO_Ant2_5210



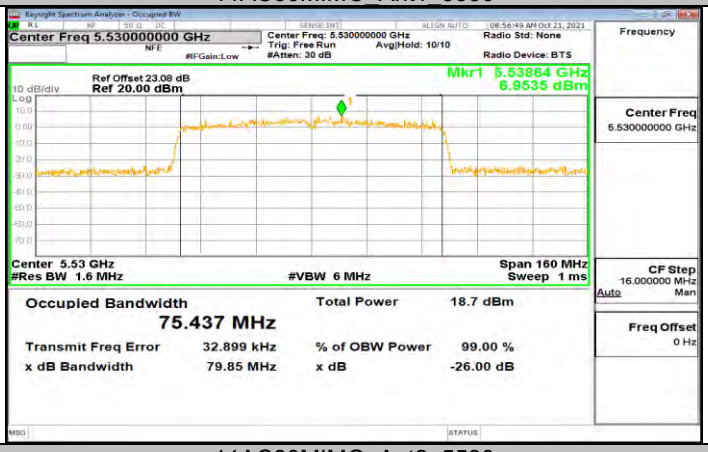
11AC80MIMO_Ant1_5290



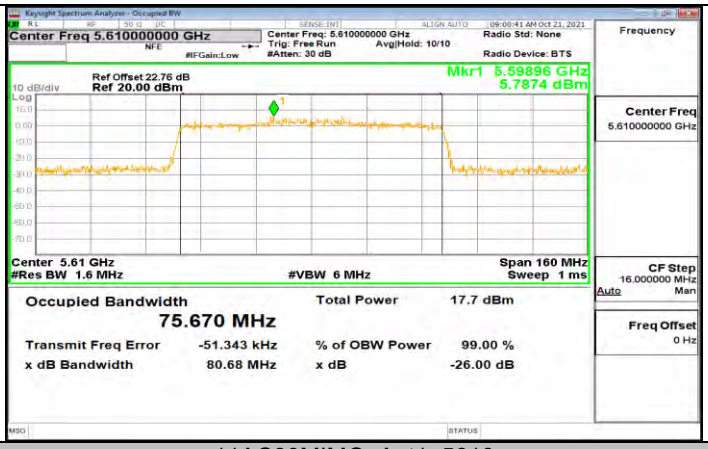
11AC80MIMO_Ant2_5290



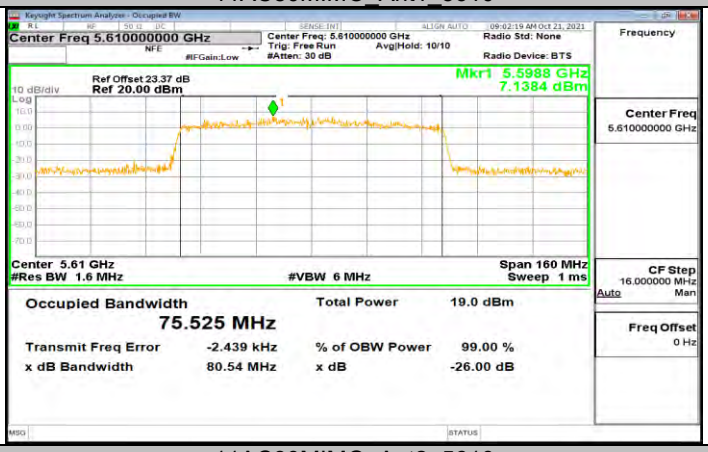
11AC80MIMO_Ant1_5530



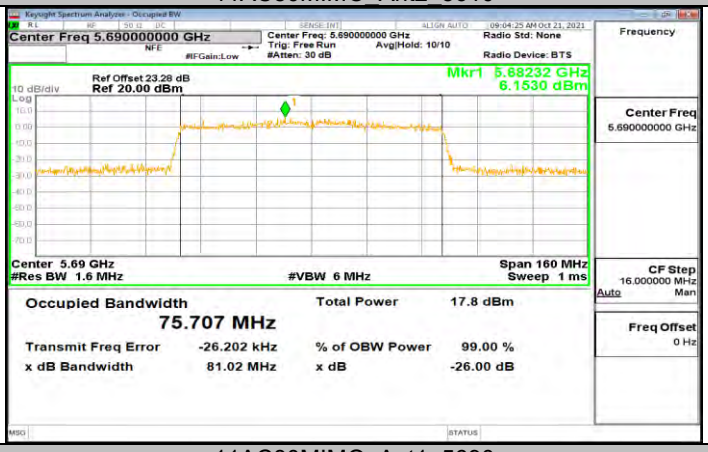
11AC80MIMO_Ant2_5530



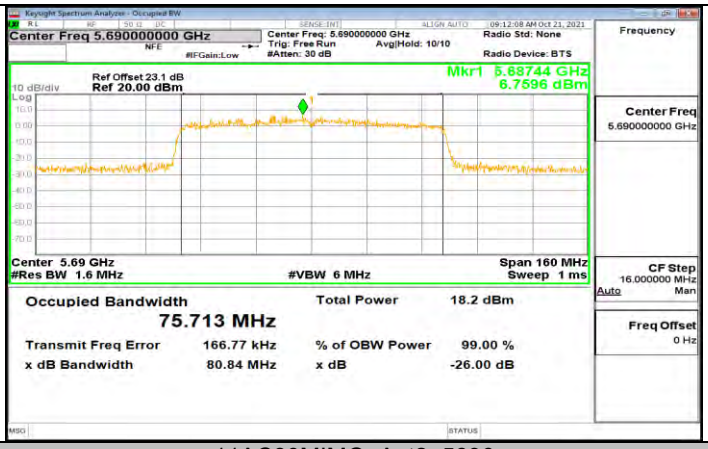
11AC80MIMO_Ant1_5610



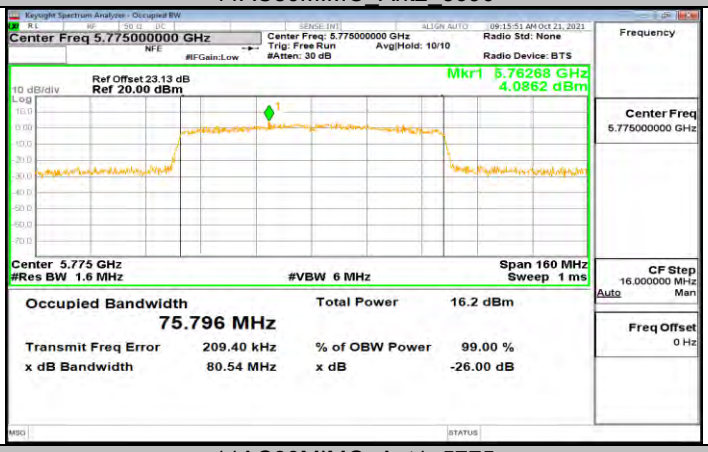
11AC80MIMO_Ant2_5610



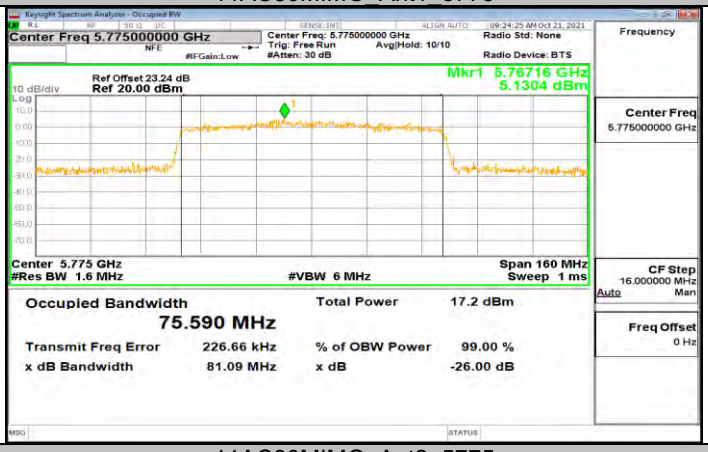
11AC80MIMO_Ant1_5690



11AC80MIMO_Ant2_5690



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

12.3. Appendix A3: Min Emission Bandwidth

12.3.1. Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A 20	Ant1	5720_UNII-3	3.2	5725	5728.200	0.5	PASS
	Ant2	5720_UNII-3	3.2	5725	5728.200	0.5	PASS
	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
	Ant2	5745	16.160	5737.040	5753.200	0.5	PASS
	Ant1	5785	16.400	5776.800	5793.200	0.5	PASS
	Ant2	5785	16.360	5776.840	5793.200	0.5	PASS
	Ant1	5825	16.120	5816.800	5832.920	0.5	PASS
	Ant2	5825	16.400	5816.800	5833.200	0.5	PASS
11N20MIMO	Ant1	5720_UNII-3	3.88	5725	5728.880	0.5	PASS
	Ant2	5720_UNII-3	3.52	5725	5728.520	0.5	PASS
	Ant1	5745	17.640	5736.240	5753.880	0.5	PASS
	Ant2	5745	17.400	5736.520	5753.920	0.5	PASS
	Ant1	5785	17.640	5776.280	5793.920	0.5	PASS
	Ant2	5785	17.680	5776.240	5793.920	0.5	PASS
	Ant1	5825	17.640	5816.280	5833.920	0.5	PASS
	Ant2	5825	17.680	5816.240	5833.920	0.5	PASS
11N40MIMO	Ant1	5710_UNII-3	3.32	5725	5728.320	0.5	PASS
	Ant2	5710_UNII-3	2.04	5725	5727.040	0.5	PASS
	Ant1	5755	35.200	5737.160	5772.360	0.5	PASS
	Ant2	5755	35.840	5737.480	5773.320	0.5	PASS
	Ant1	5795	35.600	5777.080	5812.680	0.5	PASS
	Ant2	5795	35.120	5777.480	5812.600	0.5	PASS
11AC80MIMO	Ant1	5690_UNII-3	1.48	5725	5726.480	0.5	PASS
	Ant2	5690_UNII-3	2.76	5725	5727.760	0.5	PASS
	Ant1	5775	75.360	5737.400	5812.760	0.5	PASS
	Ant2	5775	75.360	5737.400	5812.760	0.5	PASS

12.3.2. Test Graphs

11A_Ant1_5720_UNII-3

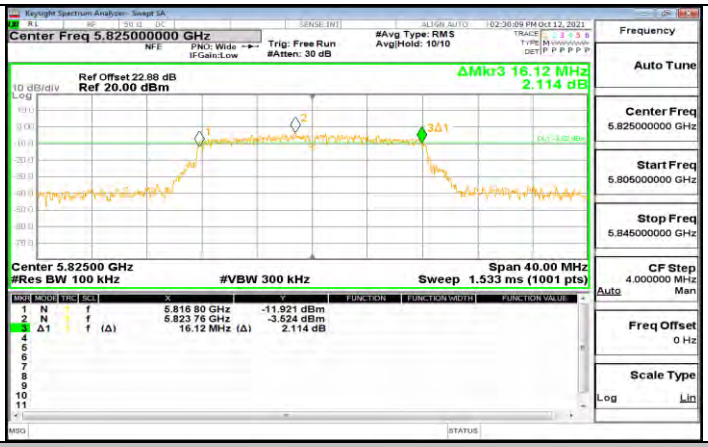
11A_Ant2_5720_UNII-3

11A_Ant1_5745

11A_Ant2_5745

11A_Ant1_5785

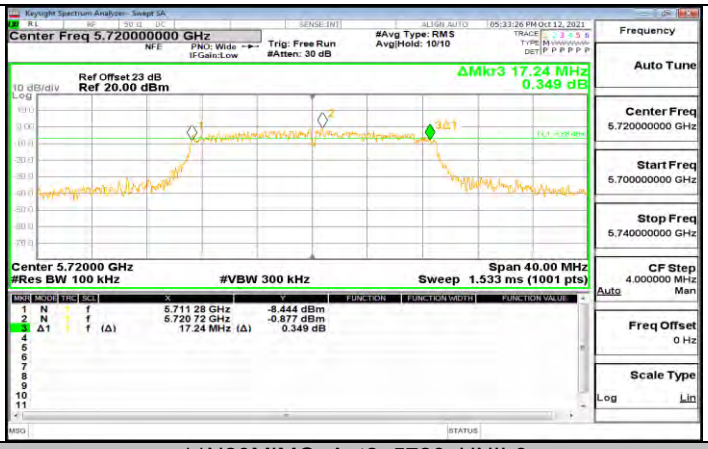
11A_Ant2_5785



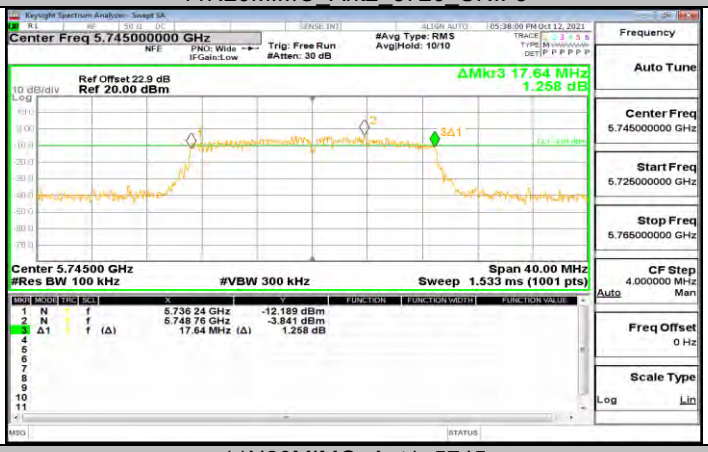
11A_Ant1_5825

11A_Ant2_5825

11N20MIMO_Ant1_5720_UNII-3

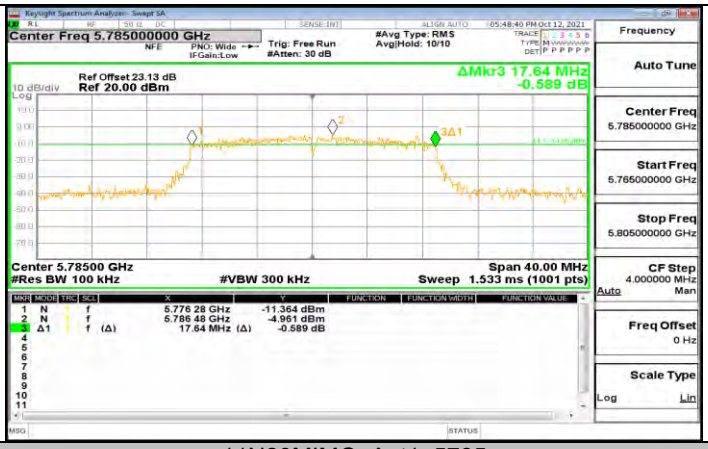


11N20MIMO_Ant2_5720_UNII-3



11N20MIMO_Ant1_5745

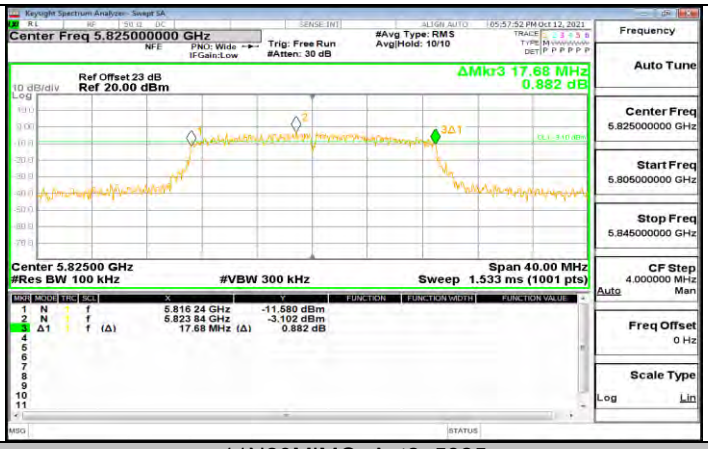
11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785

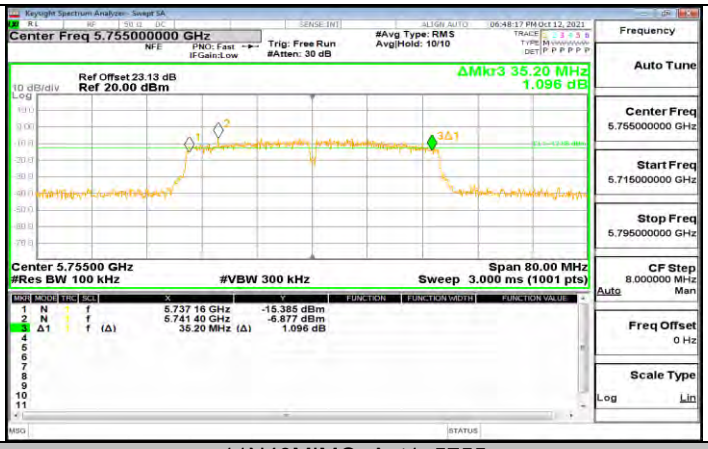
11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825

11N40MIMO_Ant1_5710_UNII-3

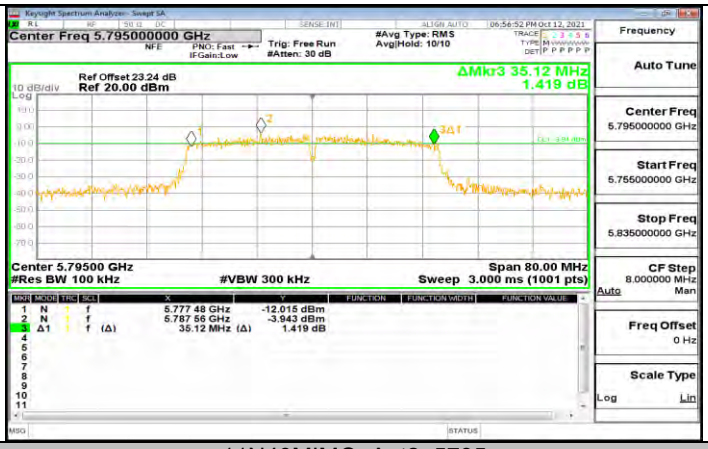
11N40MIMO_Ant2_5710_UNII-3



11N40MIMO_Ant1_5755

11N40MIMO_Ant2_5755

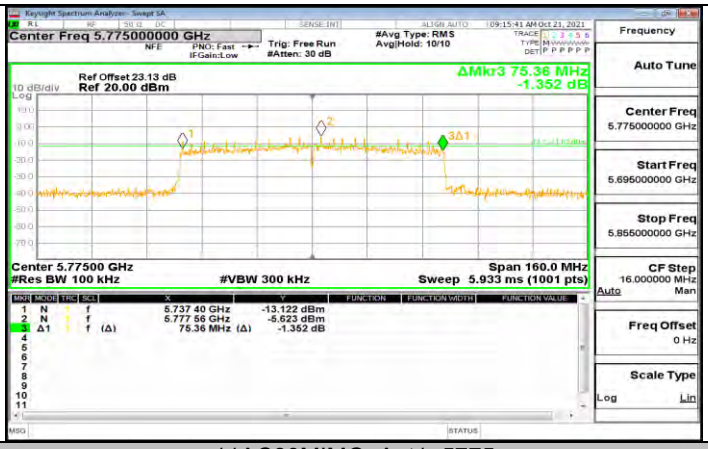
11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795

11AC80MIMO_Ant1_5690_UNII-3

11AC80MIMO_Ant2_5690_UNII-3



11AC80MIMO_Ant1_5775

11AC80MIMO_Ant2_5775

12.4. Appendix B: Maximum Average Conducted Output Power

12.4.1. Test Result

Mode	Frequency (MHz)	Average Power (dBm)			Limit (dBm)
		ANT1 dBm	ANT2 dBm	Total	
802.11a 20	5180	17.93	18.99	/	24.00
	5200	18.88	19.80	/	24.00
	5240	18.99	19.19	/	24.00
	5260	18.89	19.65	/	24.00
	5280	18.80	19.54	/	24.00
	5320	18.93	18.80	/	24.00
	5500	13.75	14.49	/	24.00
	5580	13.93	14.68	/	24.00
	5700	13.59	14.60	/	24.00
	5720-2C	12.43	13.50	/	25.00
	5720-3	5.12	6.15	/	29.00
	5745	18.44	19.67	/	30.00
	5785	18.68	19.95	/	30.00
	5825	18.15	19.53	/	30.00
802.11n HT20	5180	14.73	15.82	18.32	24.00
	5200	14.63	15.64	18.17	24.00
	5240	14.74	15.45	18.12	24.00
	5260	14.96	15.51	18.25	24.00
	5280	14.81	15.40	18.13	24.00
	5320	14.74	15.23	18.00	24.00
	5500	11.76	12.64	15.23	24.00
	5580	11.79	12.81	15.34	24.00
	5700	11.67	12.77	15.27	24.00
	5720-2C	10.46	11.70	14.13	25.00
	5720-3	3.40	4.51	7.00	29.00
	5745	15.99	17.29	19.70	30.00
	5785	16.13	17.44	19.84	30.00
	5825	15.46	17.04	19.33	30.00
802.11n HT40	5190	15.18	16.26	18.76	24.00
	5230	15.15	15.93	18.57	24.00
	5270	15.04	15.81	18.45	24.00
	5310	14.68	15.42	18.08	24.00
	5510	11.95	12.84	15.43	24.00
	5550	11.81	12.90	15.40	24.00
	5670	12.45	13.26	15.88	24.00

	5710-2C	11.87	13.04	15.50	25.00
	5710-3	-0.44	0.63	3.14	29.00
	5755	15.93	17.14	19.59	30.00
	5795	15.89	17.22	19.62	30.00
802.11ac HT80	5210	14.03	15.37	17.76	24.00
	5290	14.98	15.15	18.08	24.00
	5530	13.78	14.12	16.96	24.00
	5610	13.59	14.18	16.91	24.00
	5690-2C	13.20	13.76	16.50	25.00
	5690-3	-3.44	-3.06	-0.24	29.00
	5775	16.51	17.21	19.88	30.00

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.
3. CDD, STBC, SDM modes had been tested, but only the worst data was recorded in the report.

12.5. Appendix C: Maximum power spectral density

12.5.1. Test Result

Mode	Frequency (MHz)	PSD 5150-5725 MHz (dBm/MHz) 5725-5850MHz (dBm/500kHz)			Limit 5150-5725MHz (dBm/MHz) 5725-5850MHz (dBm/500kHz)
		ANT1	ANT2	Total	
a 20	5180	7.78	8.910	/	11.00
	5200	8.59	9.820	/	11.00
	5240	8.450	9.100	/	11.00
	5260	9.080	9.480	/	11.00
	5280	8.690	9.360	/	11.00
	5320	6.950	7.470	/	11.00
	5500	3.740	4.350	/	11.00
	5580	3.860	4.460	/	11.00
	5700	3.330	4.370	/	11.00
	5720-2C	3.330	4.310	/	12.00
	5720-3	-1.700	-0.520	/	29.00
	5745	5.630	6.790	/	30.00
	5785	5.770	6.900	/	30.00
	5825	5.240	6.560	/	30.00
n HT20	5180	4.380	5.470	7.969	11.00
	5200	4.290	5.450	7.919	11.00
	5240	4.470	5.230	7.877	11.00
	5260	4.640	5.260	7.971	11.00
	5280	4.480	5.320	7.931	11.00
	5320	4.280	5.000	7.665	11.00
	5500	1.570	2.370	4.999	11.00
	5580	1.630	2.650	5.180	11.00
	5700	1.350	2.590	5.024	11.00
	5720-2C	1.350	2.650	5.059	12.00
	5720-3	-3.550	-1.960	0.328	29.00
	5745	2.880	4.270	6.641	30.00
	5785	3.180	4.470	6.883	30.00
	5825	2.460	3.910	6.256	30.00
n HT40	5190	2.010	2.920	5.499	11.00
	5230	1.800	2.620	5.240	11.00
	5270	1.660	2.590	5.160	11.00
	5310	1.360	2.200	4.811	11.00
	5510	-1.450	-0.320	2.162	11.00

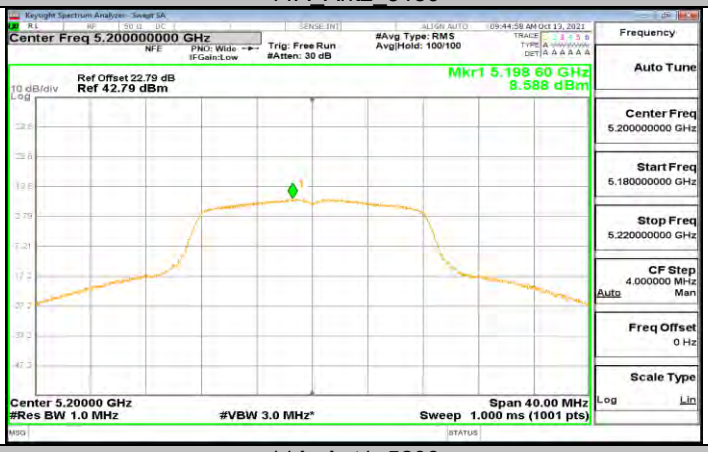
	5550	-1.320	-0.520	2.109	11.00
	5670	-0.610	0.160	2.802	11.00
	5710-2C	-1.350	-0.070	2.347	12.00
	5710-3	-7.500	-6.250	-3.820	29.00
	5755	-0.040	1.330	3.709	30.00
	5795	-0.140	0.830	3.382	30.00
ac HT80	5210	-2.500	-1.140	1.243	11.00
	5290	-1.260	-0.700	2.039	11.00
	5530	-2.650	-1.600	0.917	11.00
	5610	-2.800	-2.070	0.586	11.00
	5690-2C	-3.020	-2.210	0.414	12.00
	5690-3	-9.440	-8.550	-5.962	29.00
	5775	-5.250	-4.060	-1.604	30.00

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.
3. CDD, STBC, SDM modes had been tested, but only the worst data was recorded in the report.

12.5.2. Test Graphs

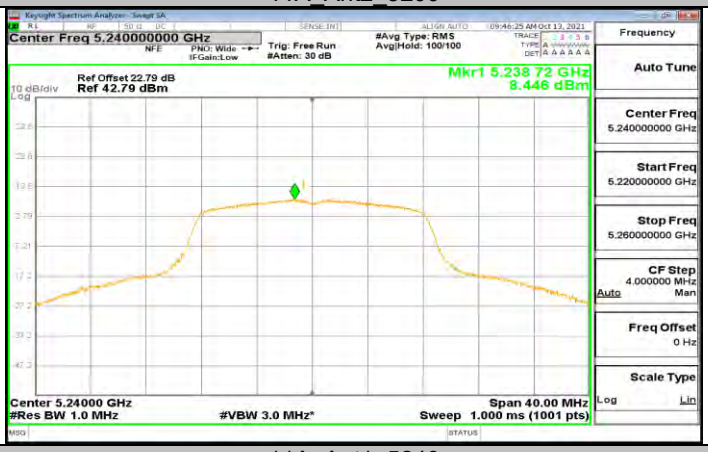
11A_Ant1_5180

11A_Ant2_5180

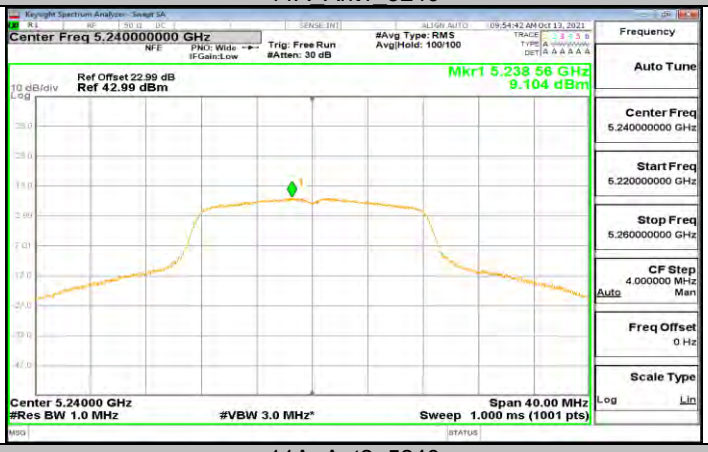


11A_Ant1_5200

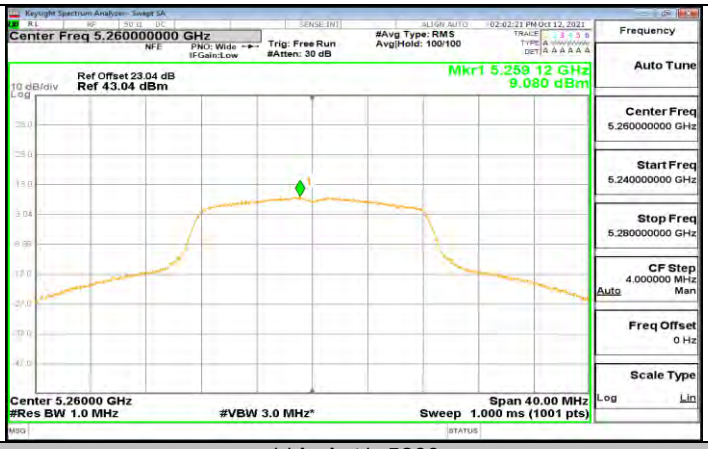
11A_Ant2_5200



11A_Ant1_5240

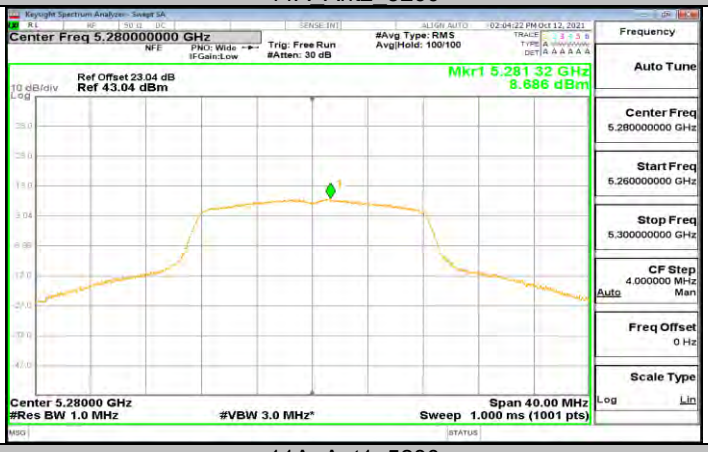


11A_Ant2_5240



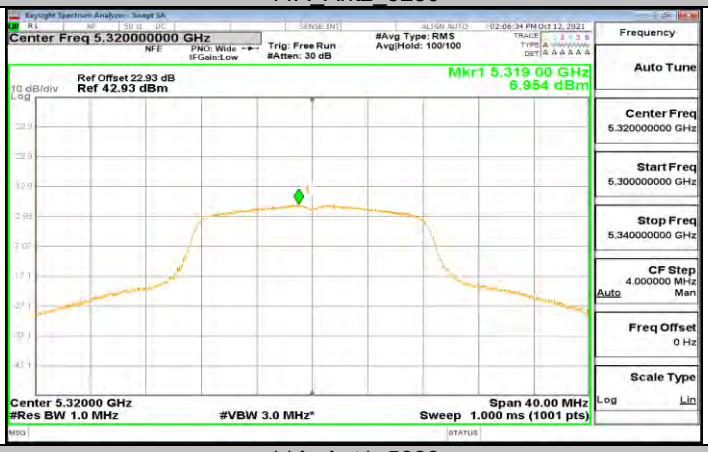
11A_Ant1_5260

11A_Ant2_5260

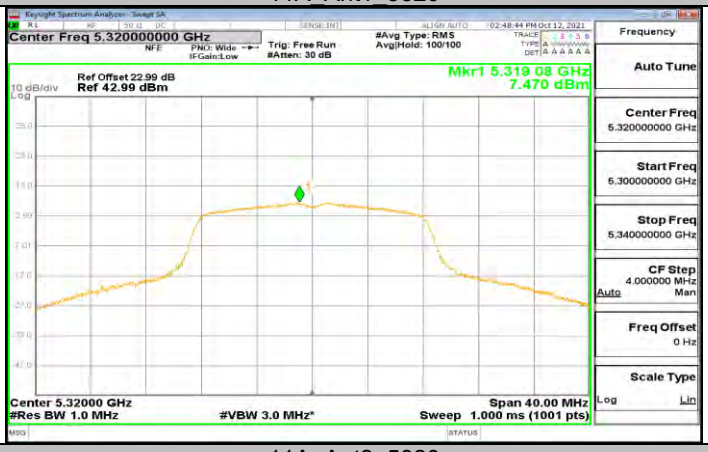


11A_Ant1_5280

11A_Ant2_5280

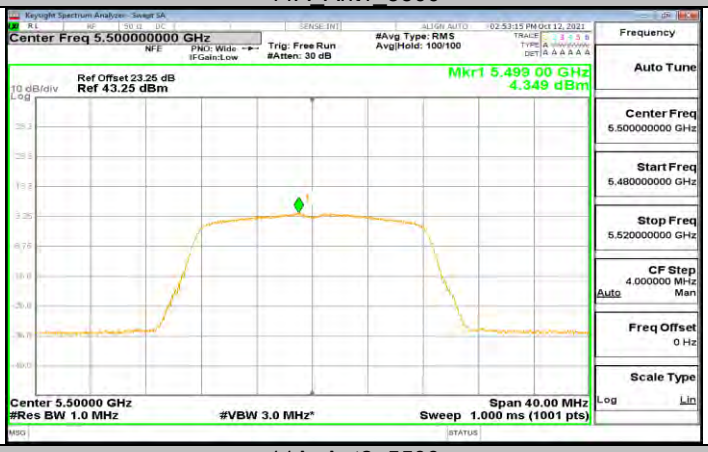


11A_Ant1_5320

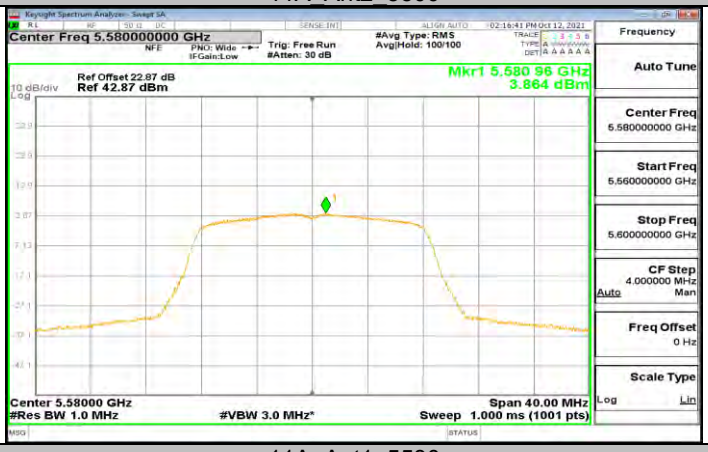


11A_Ant2_5320

11A_Ant1_5500

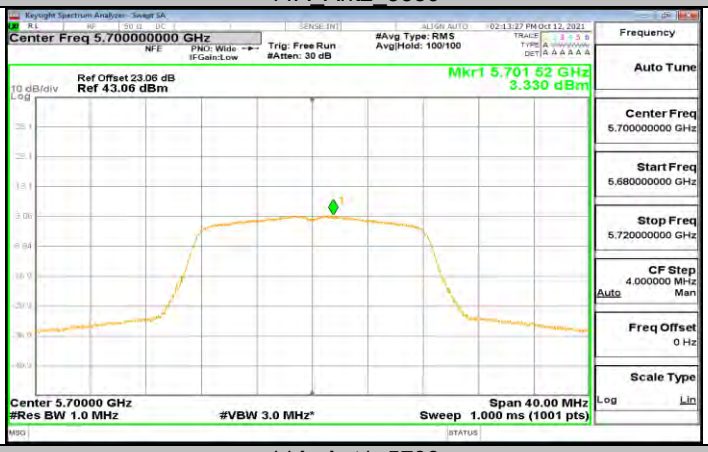


11A_Ant2_5500

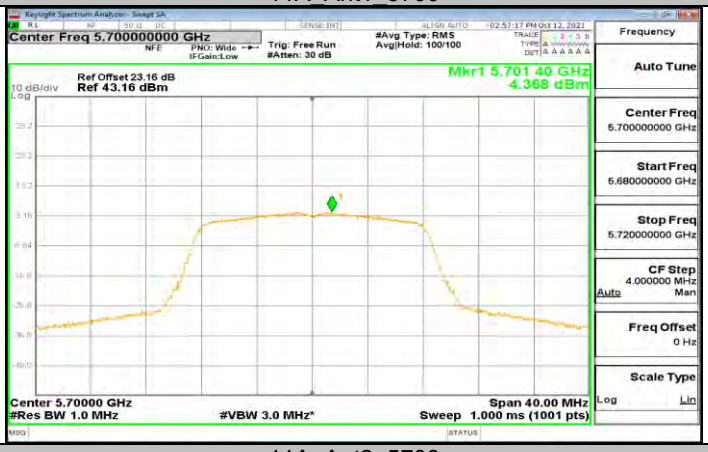


11A_Ant1_5580

11A_Ant2_5580

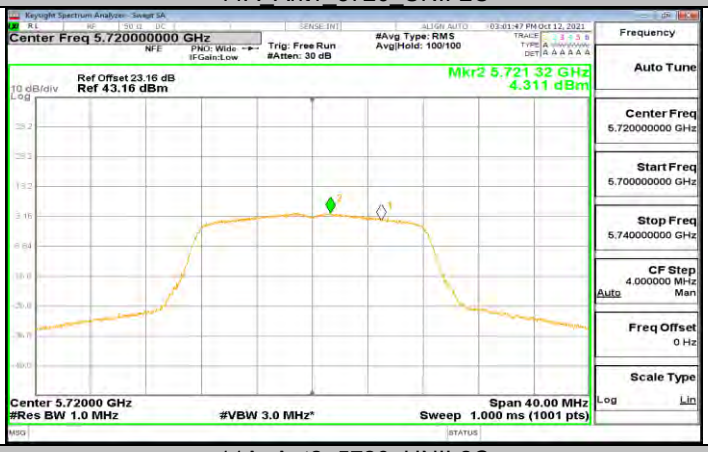


11A_Ant1_5700



11A_Ant2_5700

11A_Ant1_5720_UNII-2C

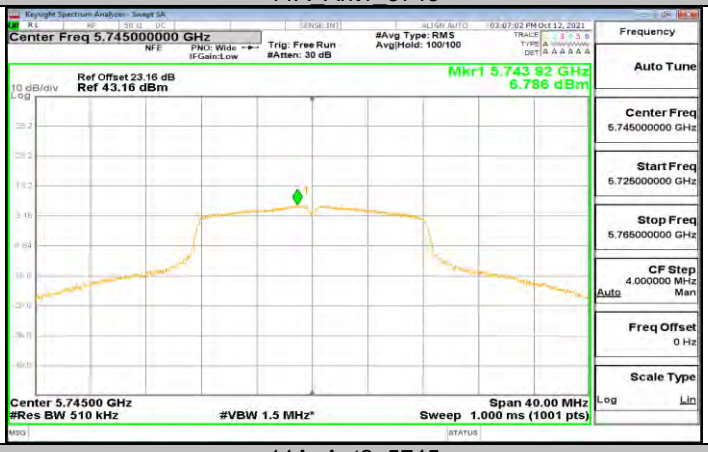


11A_Ant2_5720_UNII-2C

11A_Ant1_5720_UNII-3

11A_Ant2_5720_UNII-3

11A_Ant1_5745



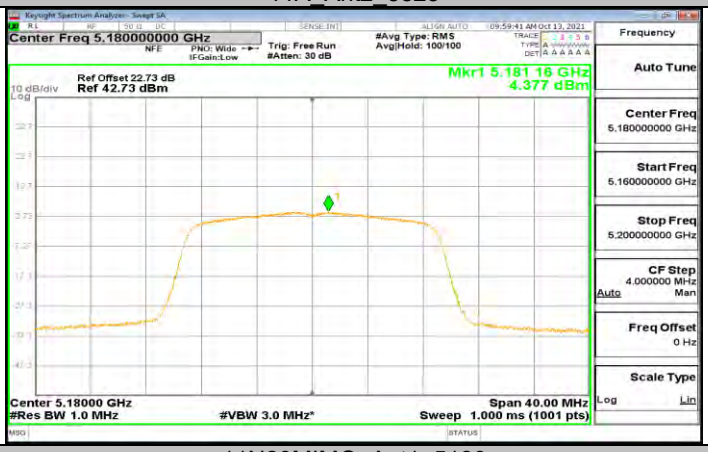
11A_Ant2_5745

11A_Ant1_5785

11A_Ant2_5785

11A_Ant1_5825

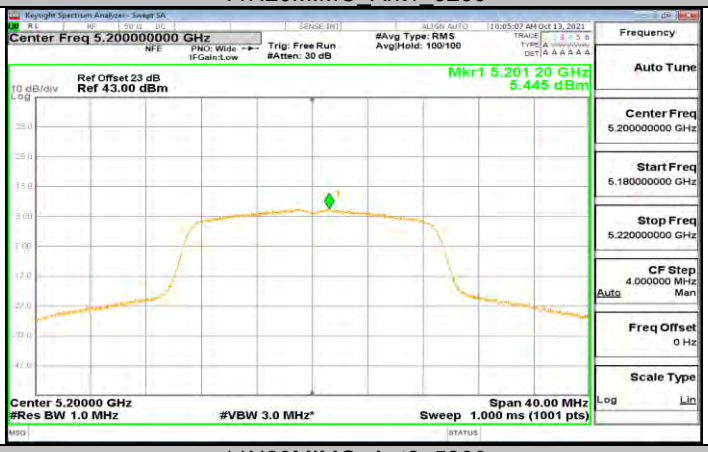
11A_Ant2_5825



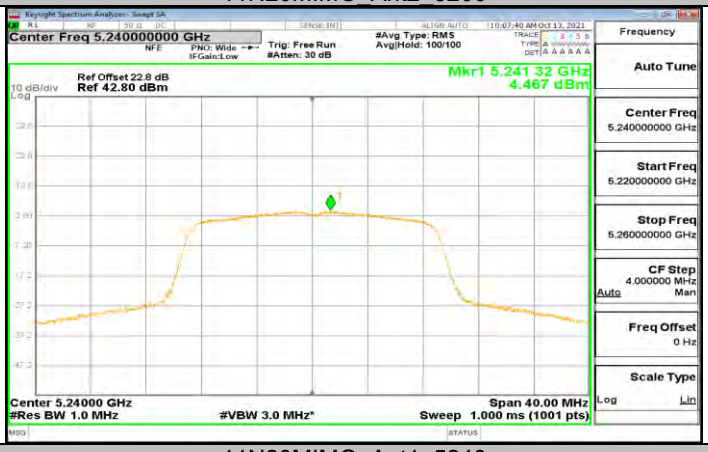
11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180

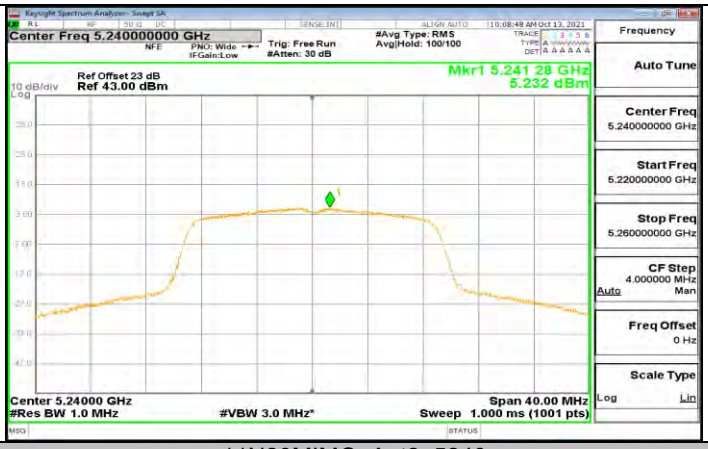
11N20MIMO_Ant1_5200



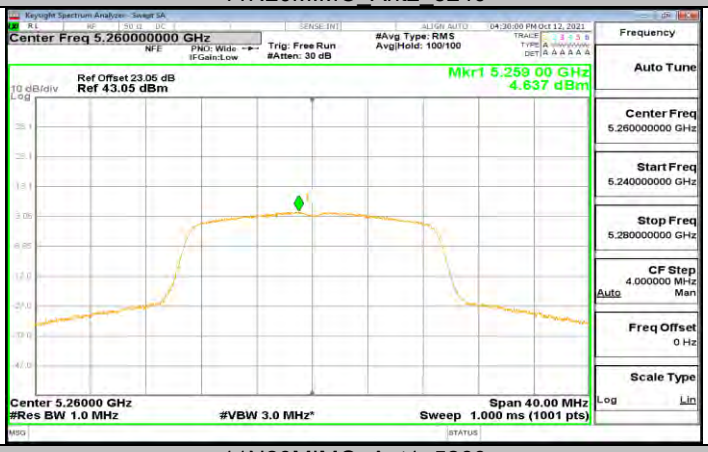
11N20MIMO_Ant2_5200



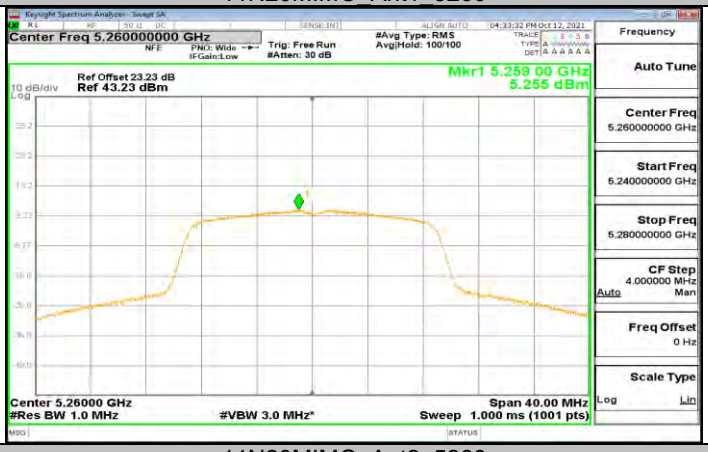
11N20MIMO_Ant1_5240



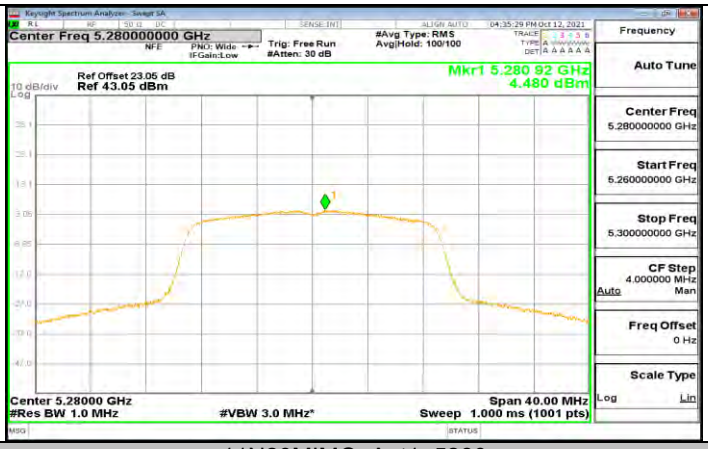
11N20MIMO_Ant2_5240



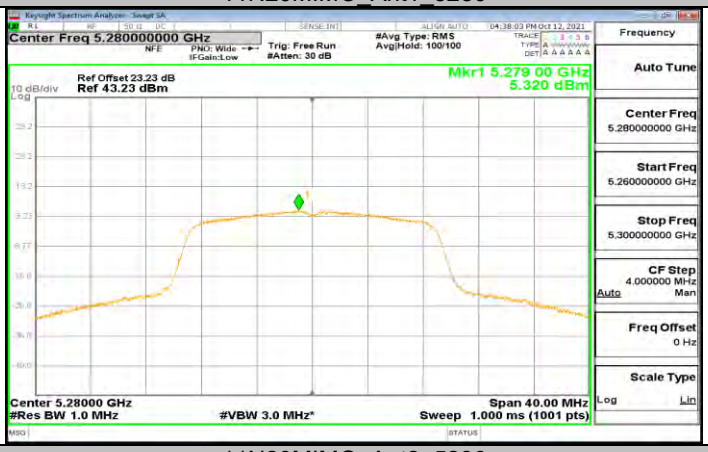
11N20MIMO_Ant1_5260



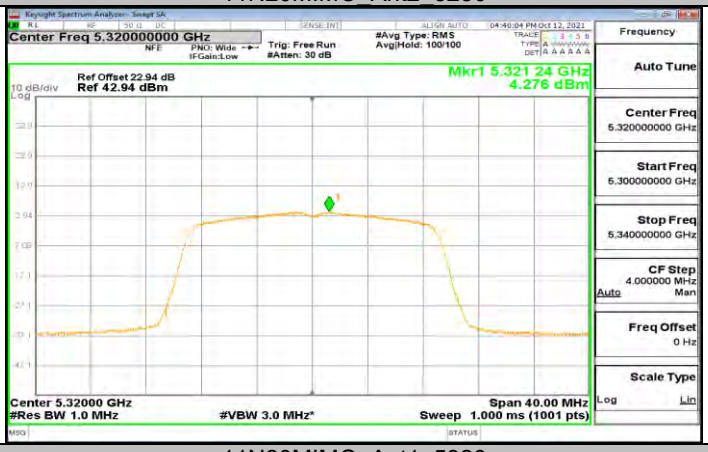
11N20MIMO_Ant2_5260



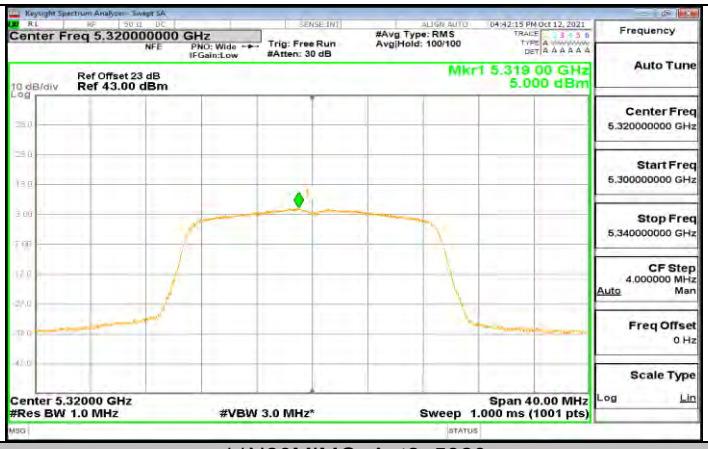
11N20MIMO_Ant1_5280



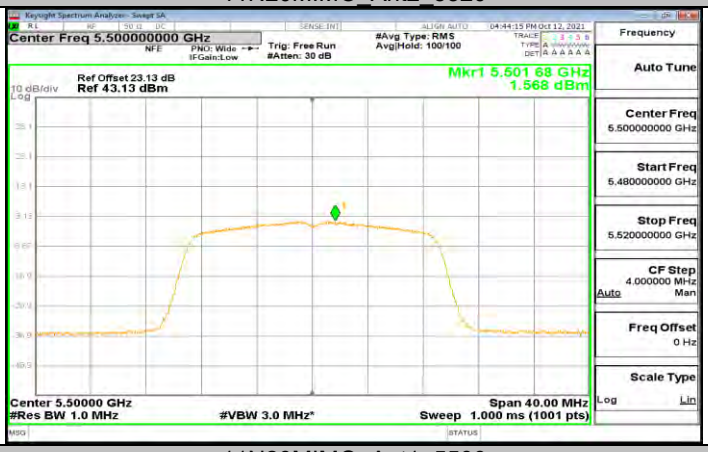
11N20MIMO_Ant2_5280



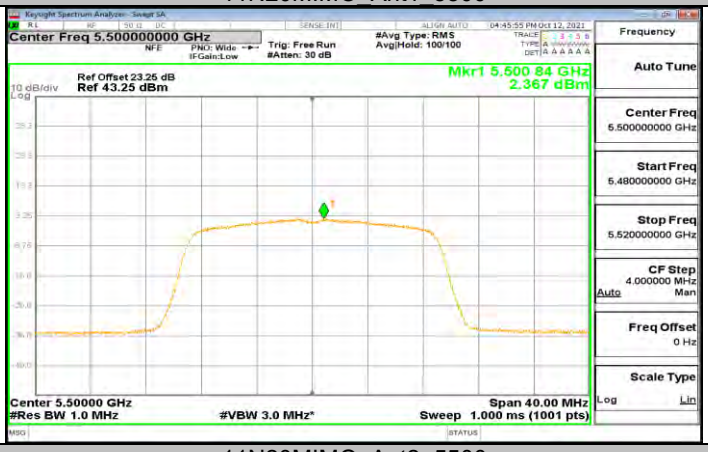
11N20MIMO_Ant1_5320



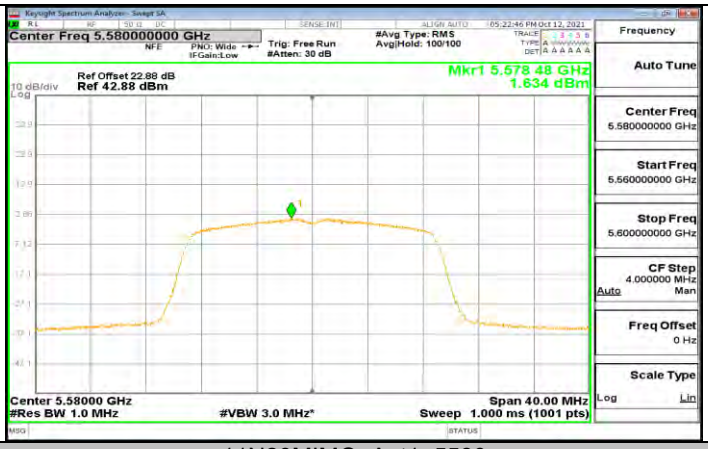
11N20MIMO_Ant2_5320



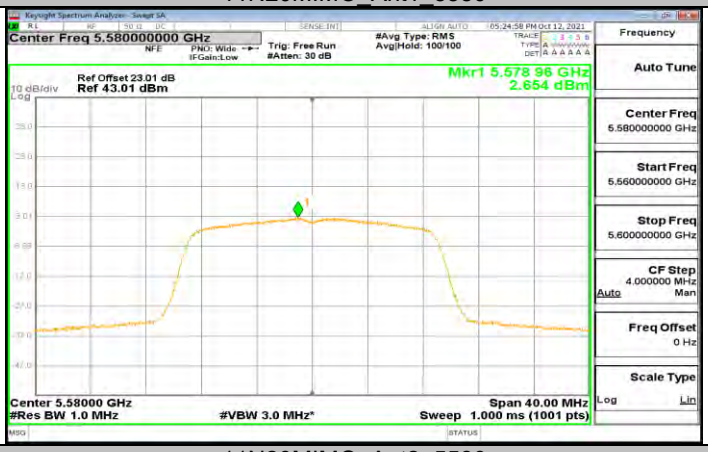
11N20MIMO_Ant1_5500



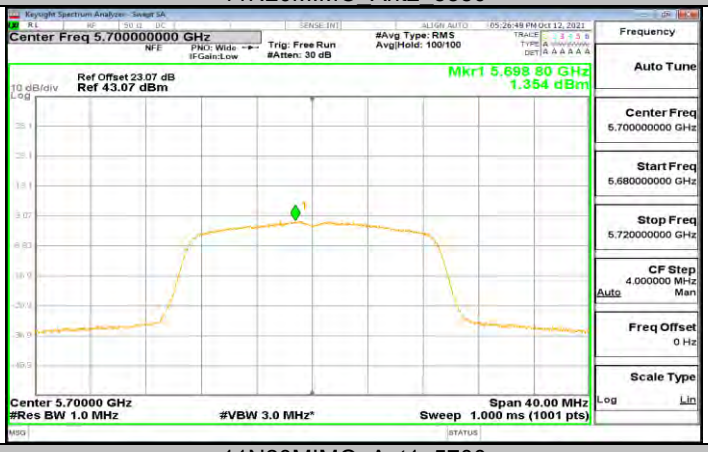
11N20MIMO_Ant2_5500



11N20MIMO_Ant1_5580

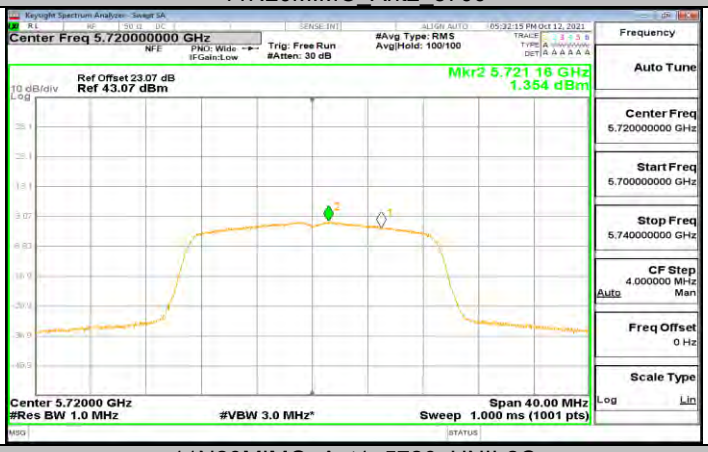


11N20MIMO_Ant2_5580

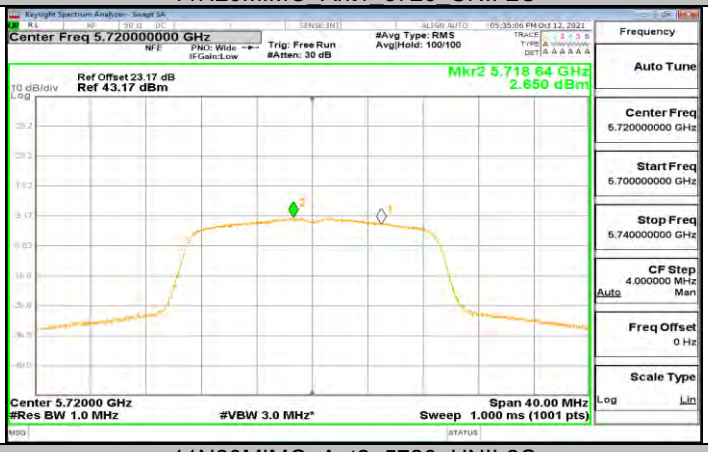


11N20MIMO_Ant1_5700

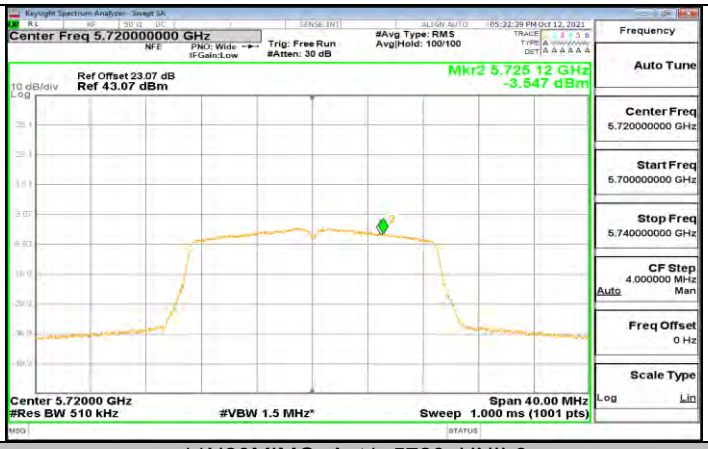
11N20MIMO_Ant2_5700



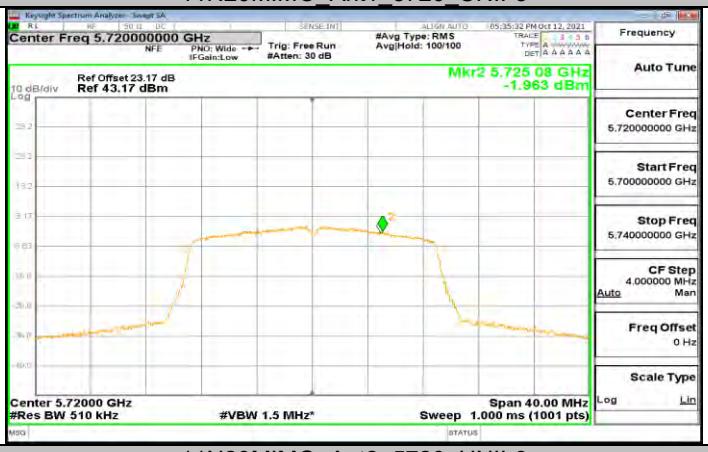
11N20MIMO_Ant1_5720_UNII-2C



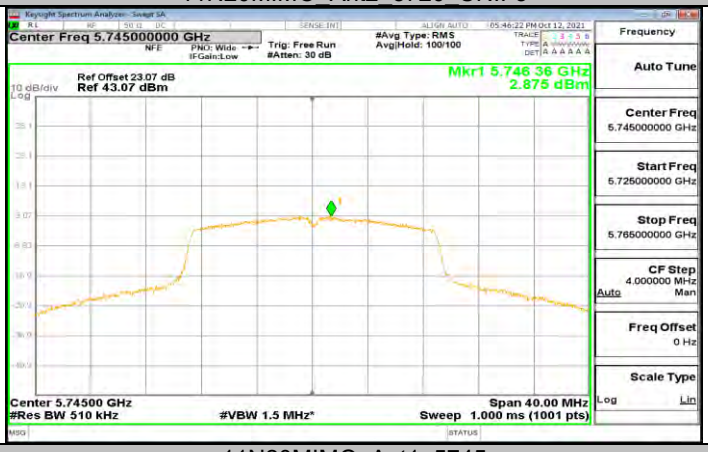
11N20MIMO_Ant2_5720_UNII-2C



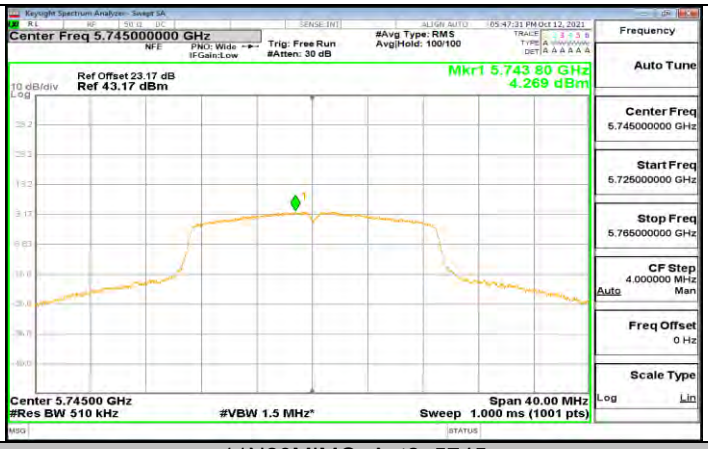
11N20MIMO_Ant1_5720_UNII-3



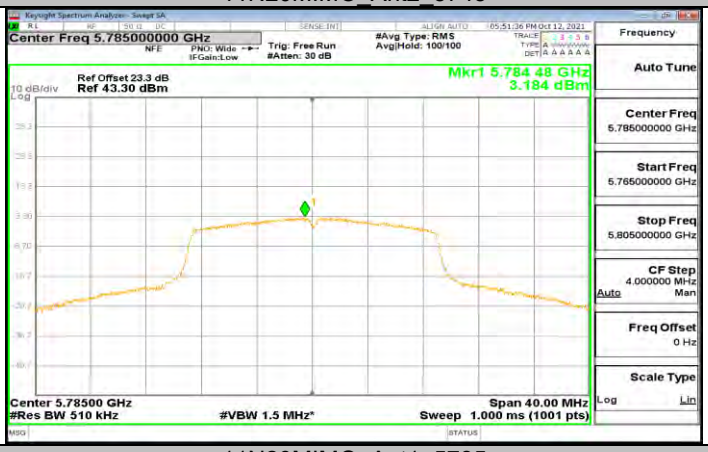
11N20MIMO_Ant2_5720_UNII-3



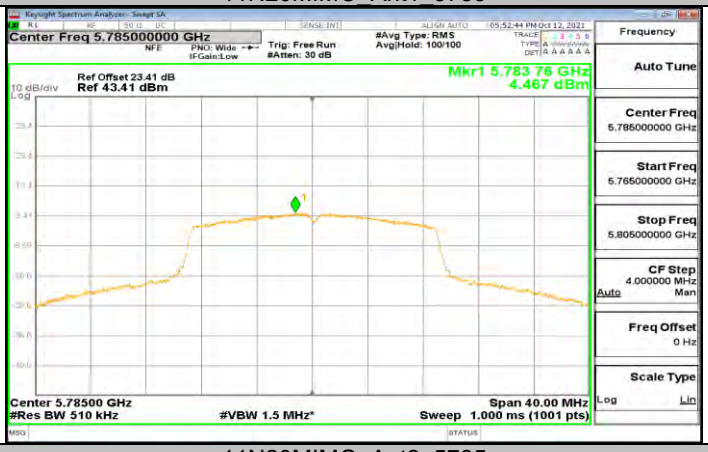
11N20MIMO_Ant1_5745



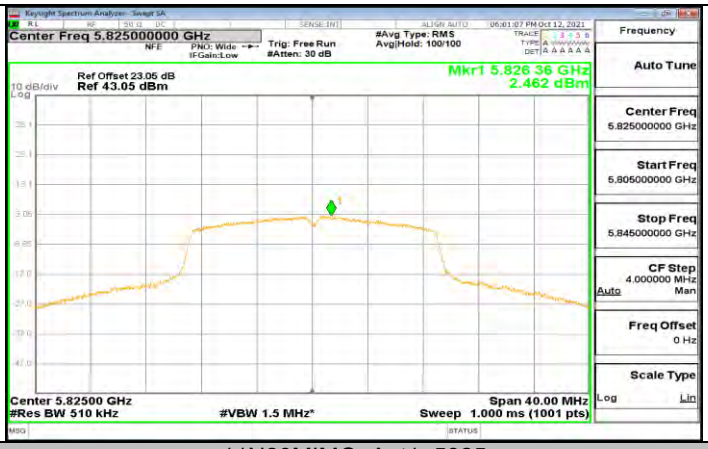
11N20MIMO_Ant2_5745



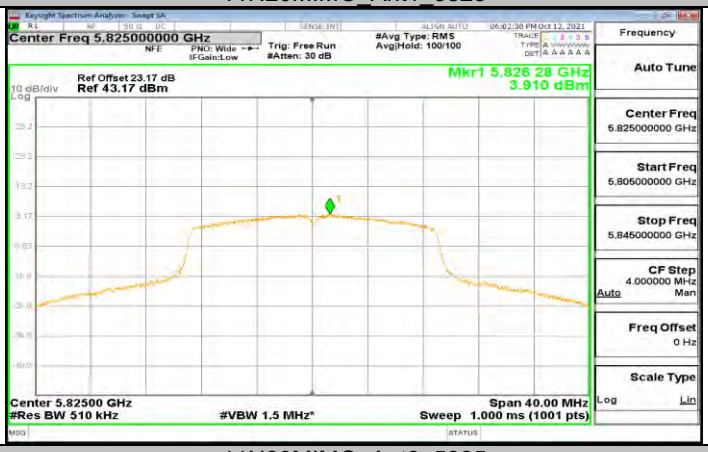
11N20MIMO_Ant1_5785



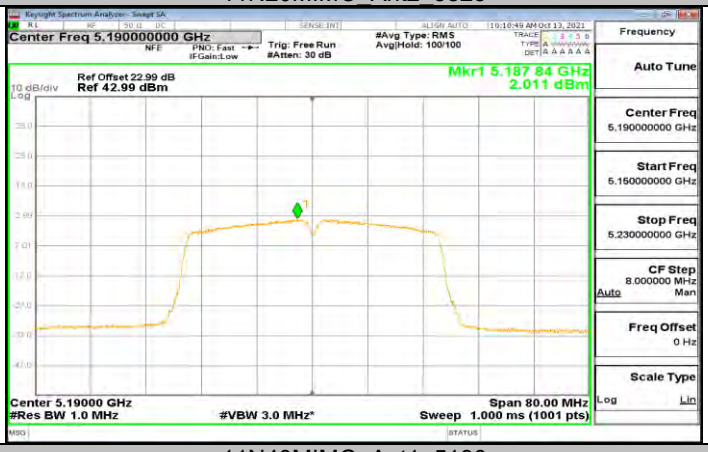
11N20MIMO_Ant2_5785



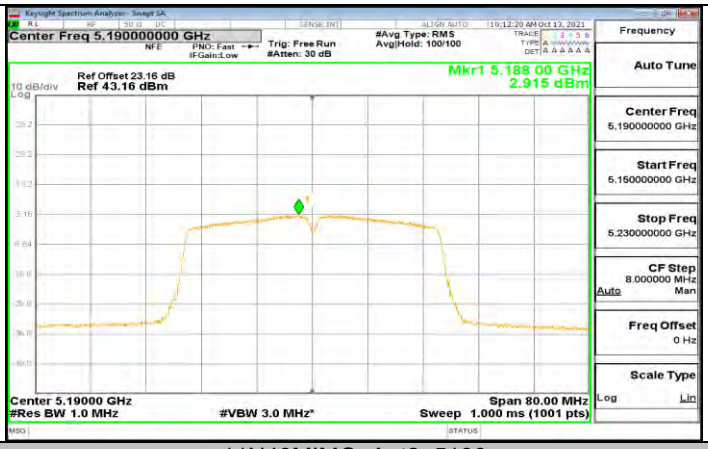
11N20MIMO_Ant1_5825



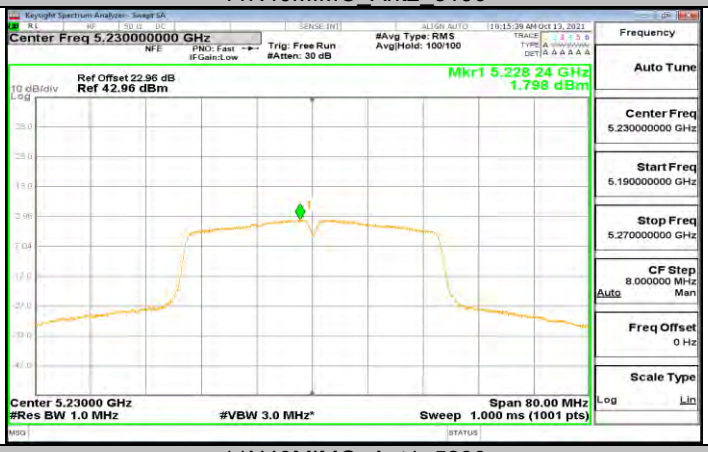
11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



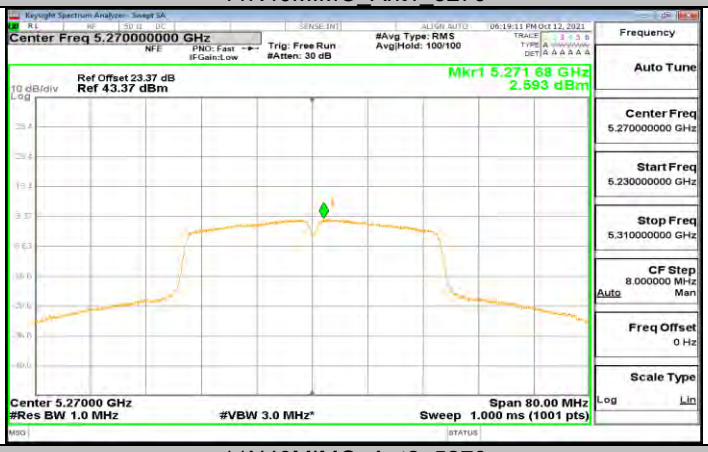
11N40MIMO_Ant2_5190



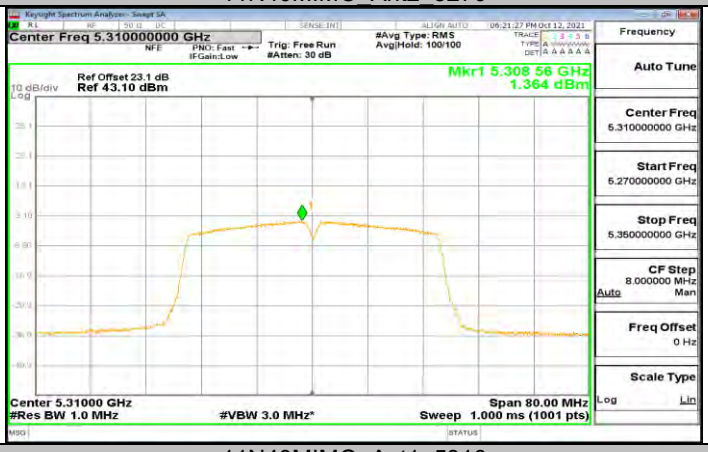
11N40MIMO_Ant1_5230

11N40MIMO_Ant2_5230

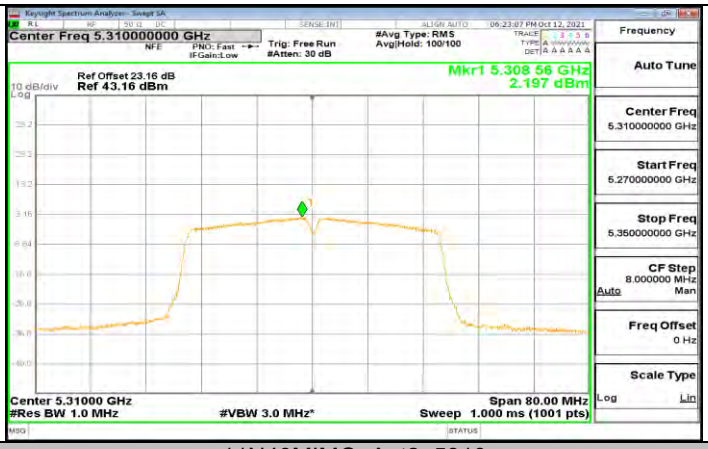
11N40MIMO_Ant1_5270



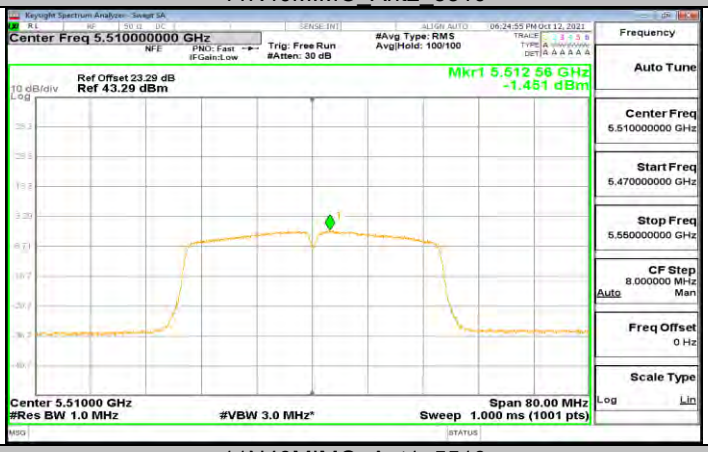
11N40MIMO_Ant2_5270



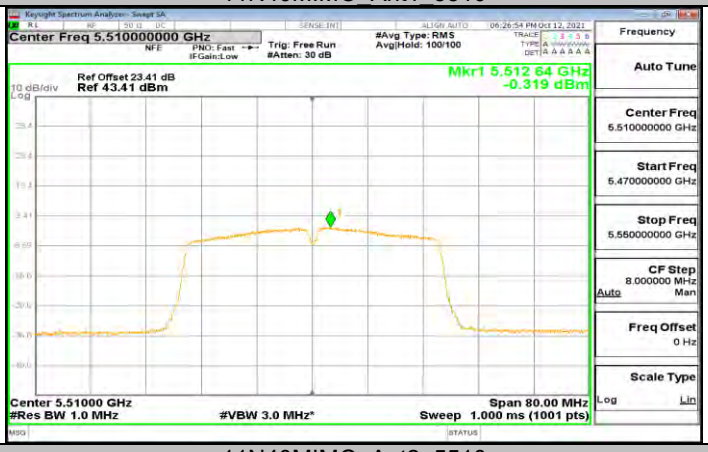
11N40MIMO_Ant1_5310



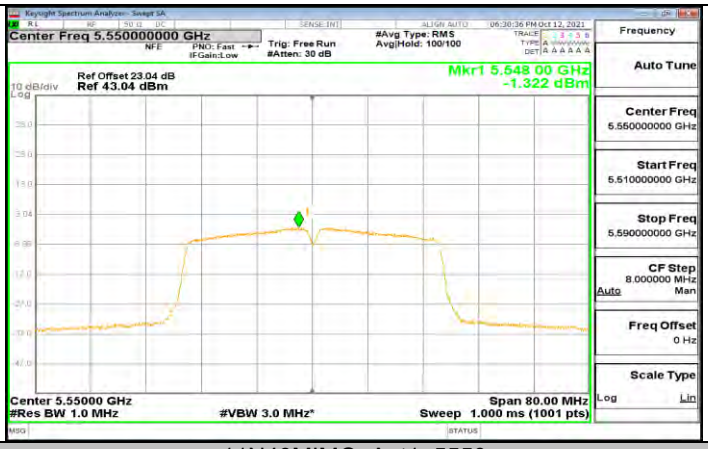
11N40MIMO_Ant2_5310



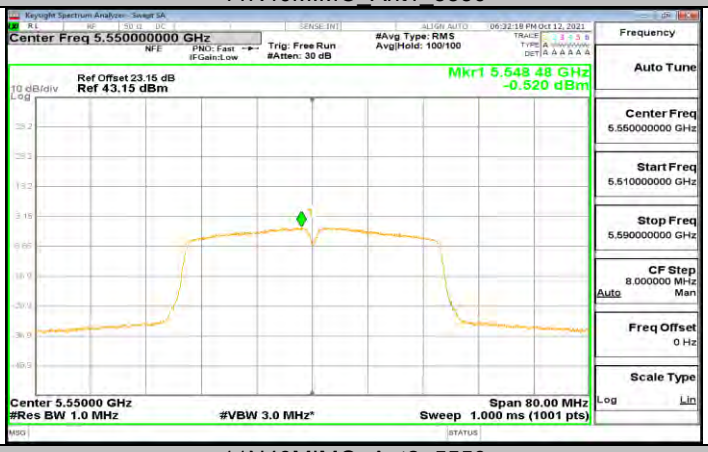
11N40MIMO_Ant1_5510



11N40MIMO_Ant2_5510



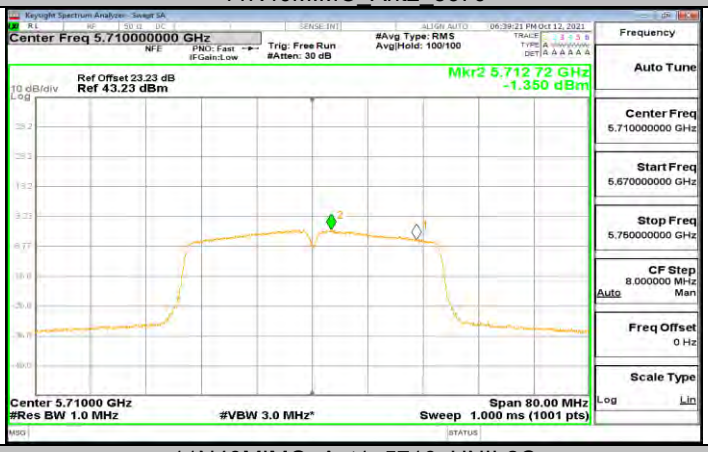
11N40MIMO_Ant1_5550



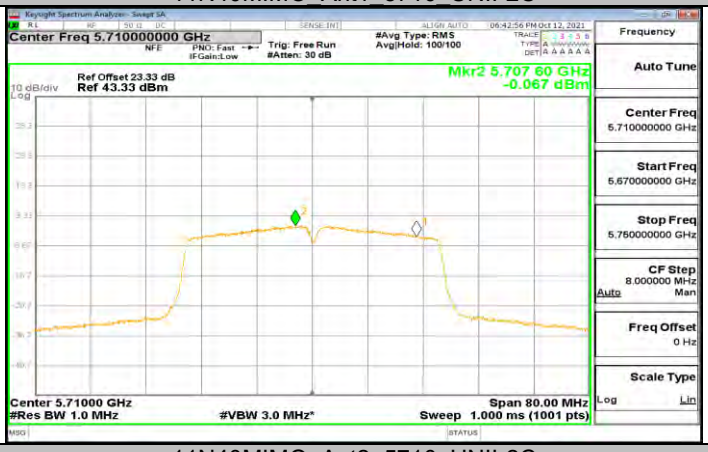
11N40MIMO_Ant2_5550

11N40MIMO_Ant1_5670

11N40MIMO_Ant2_5670



11N40MIMO_Ant1_5710_UNII-2C



11N40MIMO_Ant2_5710_UNII-2C