

RF Test Data for RLAN(5.8G) (Conducted Measurement)

Product Name: 4K HDMI dongle

Trade Mark: Homatics

Test Model: SN8BAGC

FCC ID: 2A0VU-DONGLEQ

Environmental Conditions

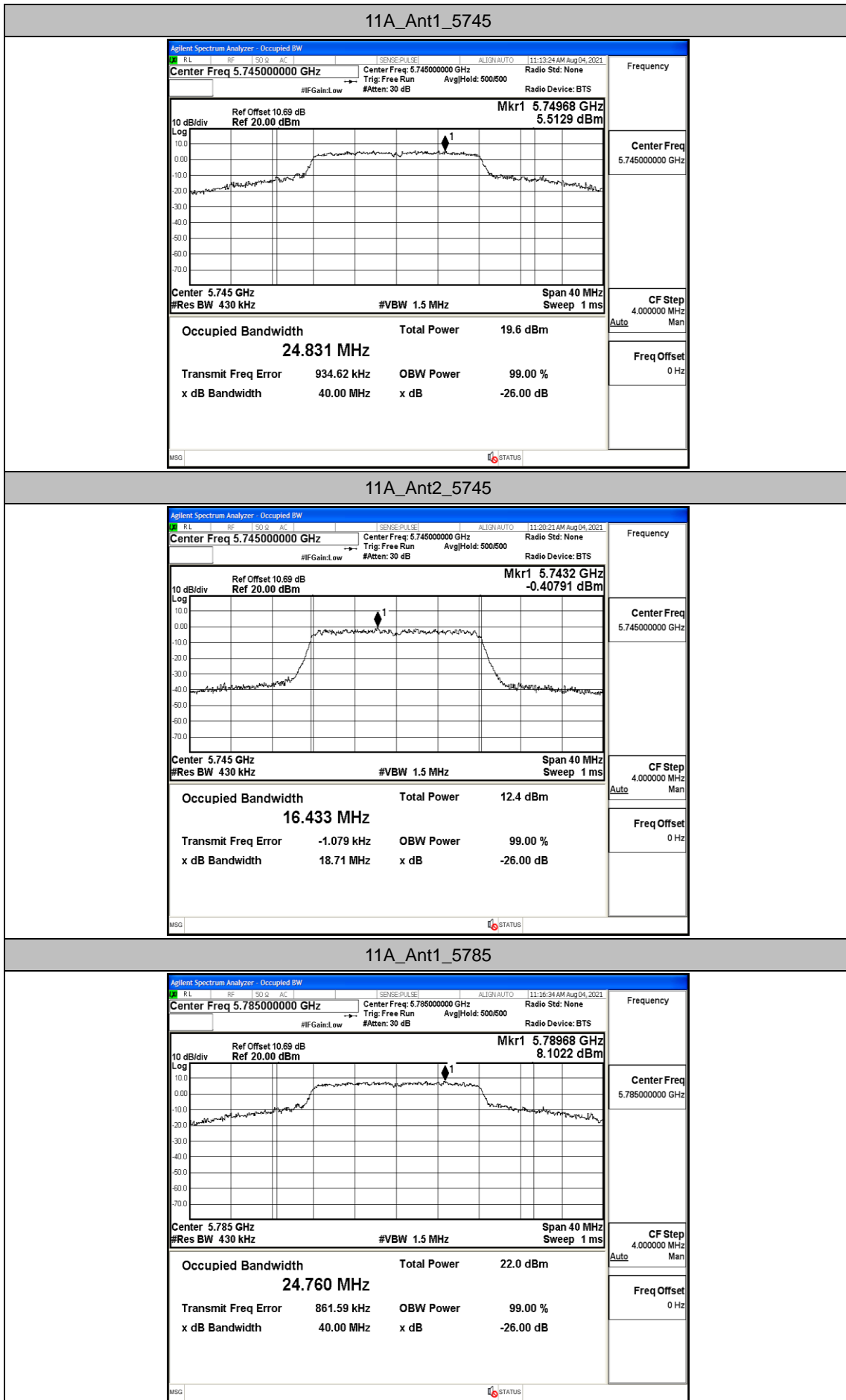
Temperature:	24.3℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A1: Occupied channel bandwidth

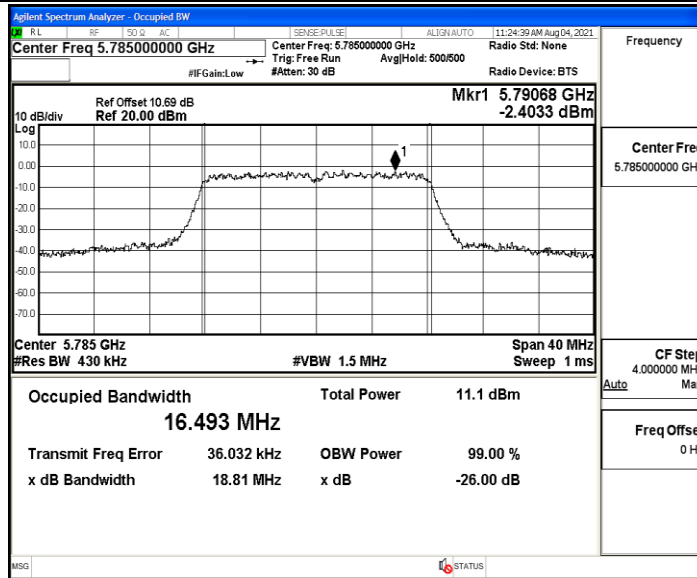
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	24.831	5733.519	5758.350	---	PASS
	Ant2	5745	16.433	5736.782	5753.215	---	PASS
	Ant1	5785	24.760	5773.482	5798.242	---	PASS
	Ant2	5785	16.493	5776.790	5793.283	---	PASS
	Ant1	5825	25.831	5812.837	5838.668	---	PASS
	Ant2	5825	16.457	5816.854	5833.311	---	PASS
11N20MIMO	Ant1	5745	27.111	5732.231	5759.342	---	PASS
	Ant2	5745	17.624	5736.211	5753.835	---	PASS
	Ant1	5785	27.311	5771.956	5799.267	---	PASS
	Ant2	5785	17.647	5776.237	5793.884	---	PASS
	Ant1	5825	27.898	5811.647	5839.545	---	PASS
	Ant2	5825	17.649	5816.275	5833.924	---	PASS
11N40MIMO	Ant1	5755	52.658	5732.725	5785.383	---	PASS
	Ant2	5755	36.718	5736.688	5773.406	---	PASS
	Ant1	5795	49.721	5773.143	5822.864	---	PASS
	Ant2	5795	36.423	5776.882	5813.305	---	PASS
11AC20MIMO	Ant1	5745	27.254	5732.363	5759.617	---	PASS
	Ant2	5745	17.624	5736.215	5753.839	---	PASS
	Ant1	5785	27.101	5772.315	5799.416	---	PASS
	Ant2	5785	17.638	5776.233	5793.871	---	PASS
	Ant1	5825	27.623	5811.931	5839.554	---	PASS
	Ant2	5825	17.636	5816.291	5833.927	---	PASS
11AC40MIMO	Ant1	5755	52.148	5732.474	5784.622	---	PASS
	Ant2	5755	36.484	5736.831	5773.315	---	PASS
	Ant1	5795	49.561	5772.805	5822.366	---	PASS
	Ant2	5795	36.302	5776.947	5813.249	---	PASS
11AC80MIMO	Ant1	5775	95.294	5735.415	5830.709	---	PASS
	Ant2	5775	74.913	5737.706	5812.619	---	PASS

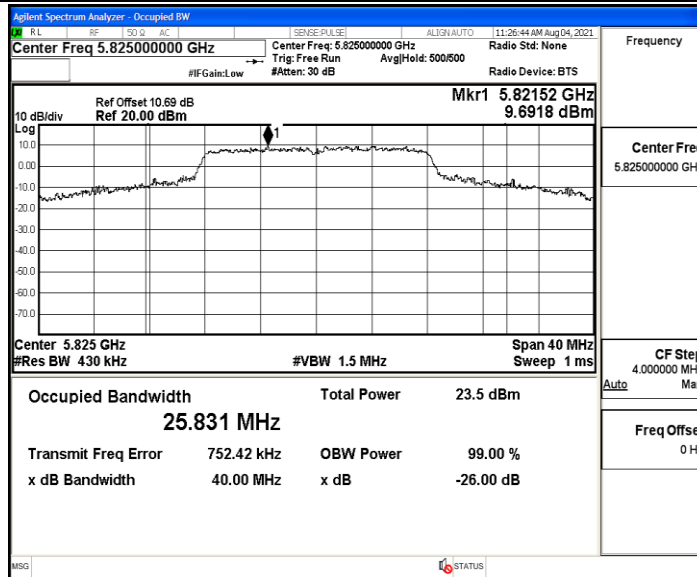
Test Graphs



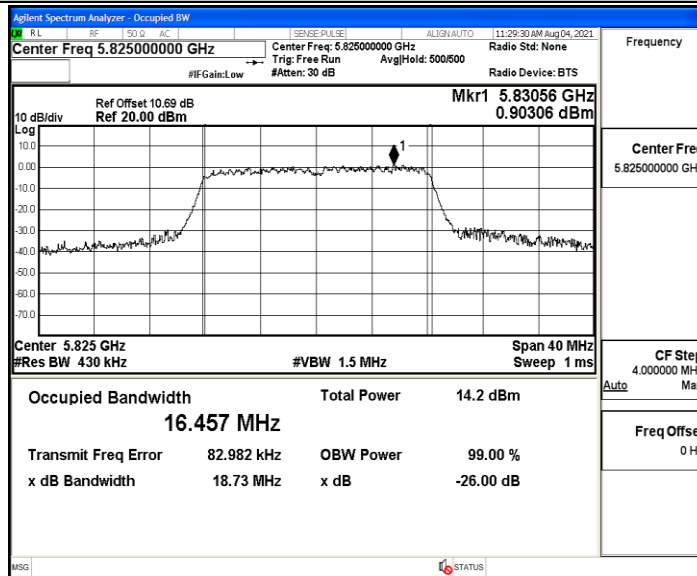
11A_Ant2_5785



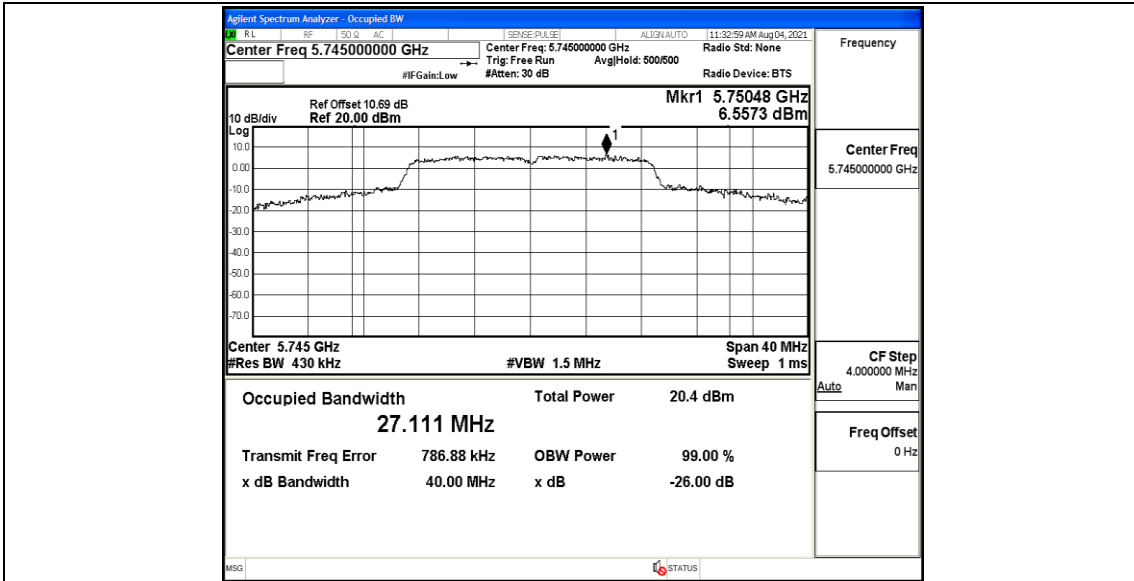
11A_Ant1_5825



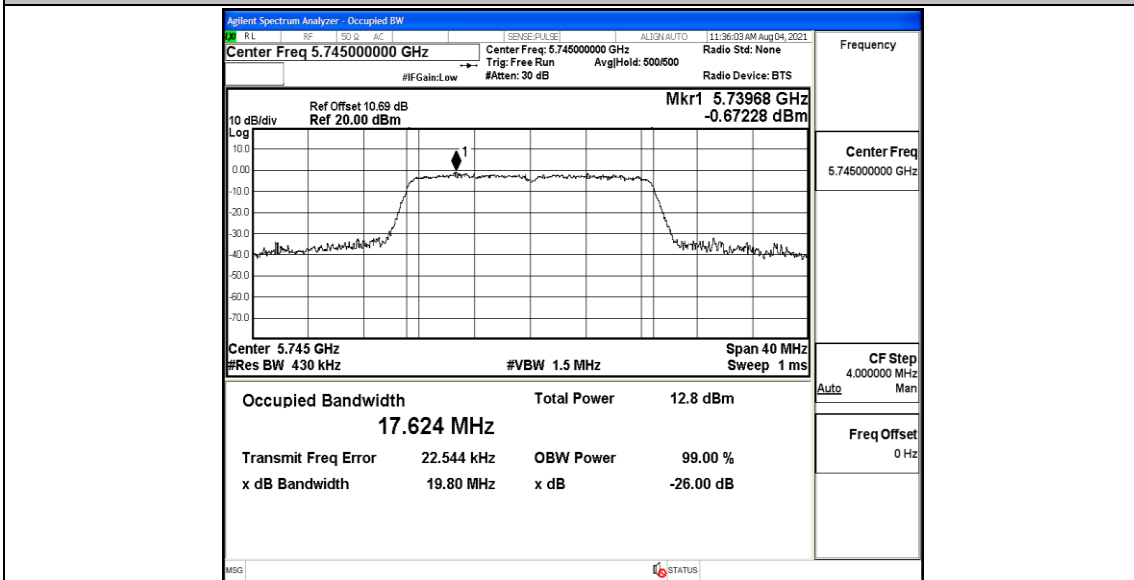
11A_Ant2_5825



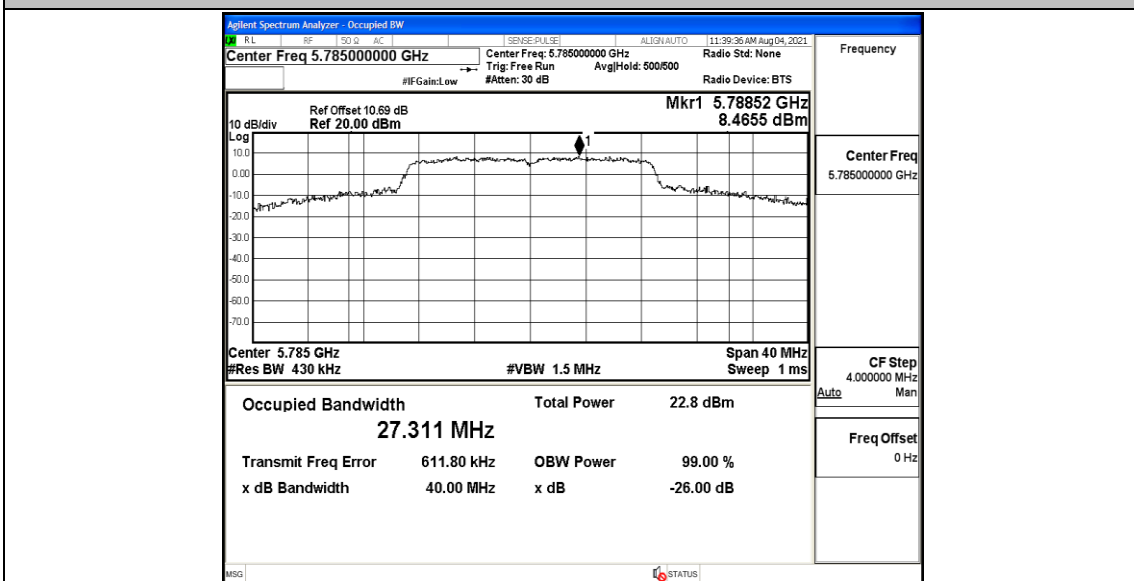
11N20MIMO_Ant1_5745



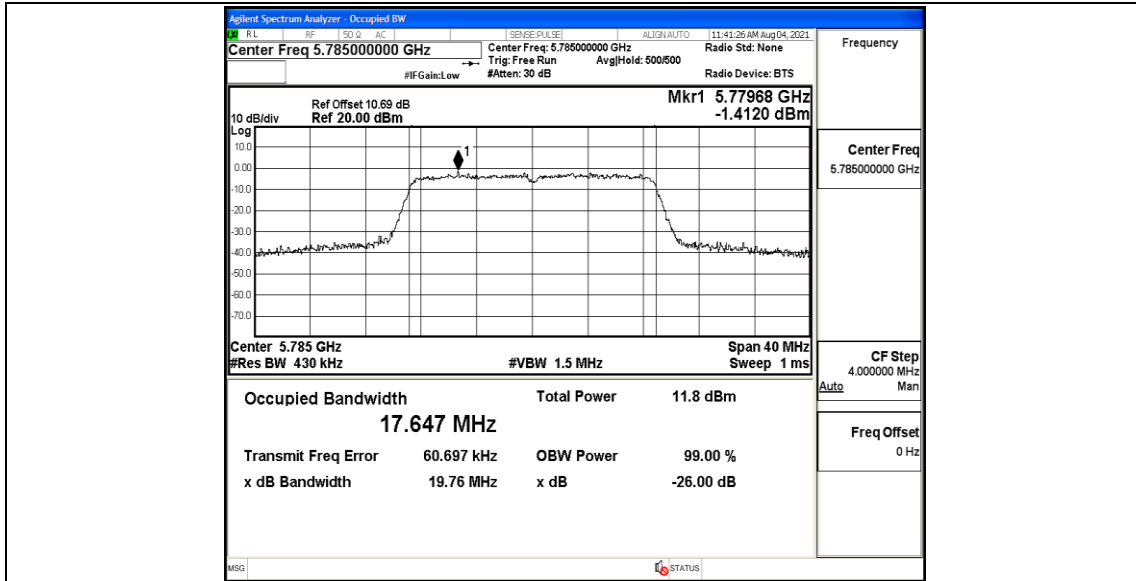
11N20MIMO_Ant2_5745



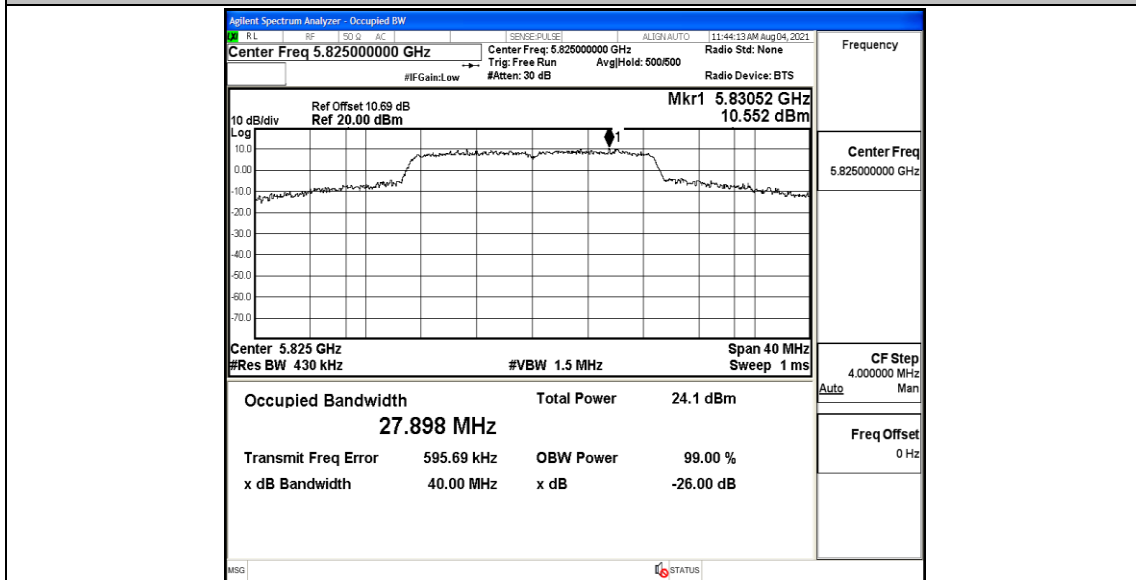
11N20MIMO_Ant1_5785



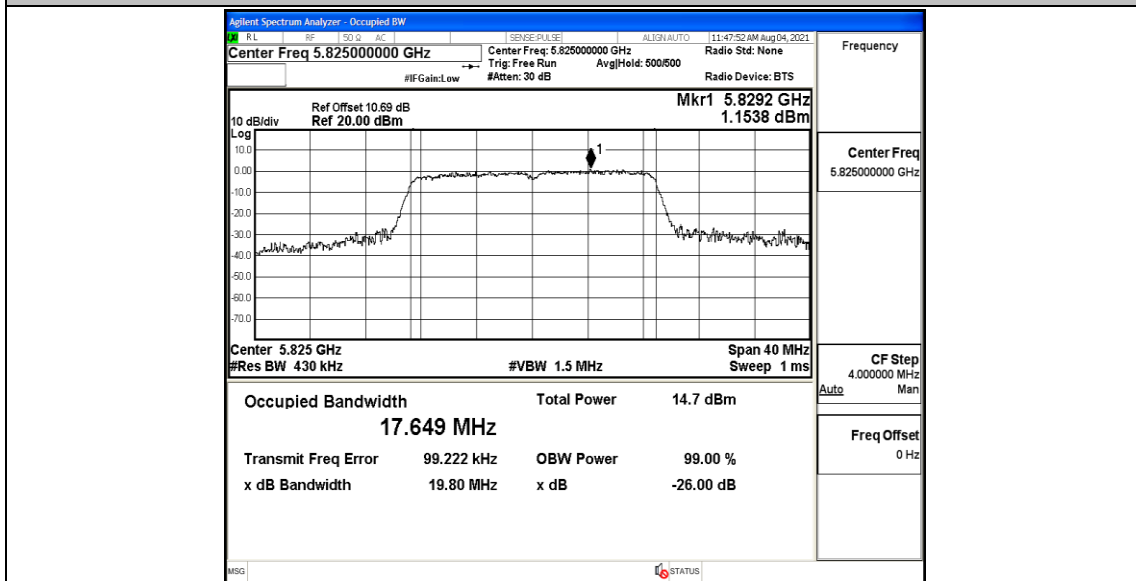
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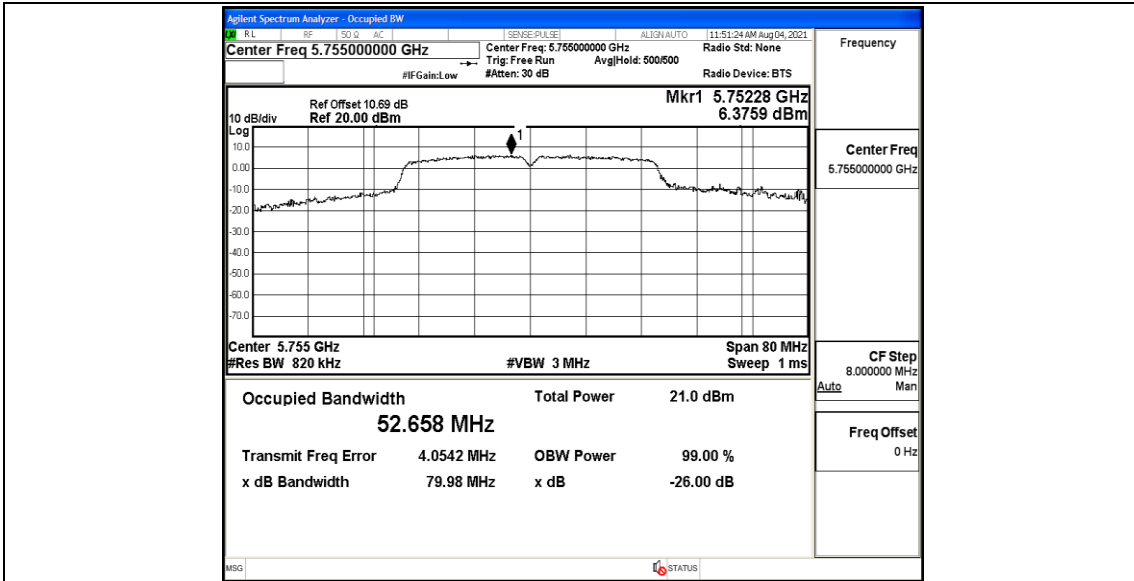
11N20MIMO_Ant1_5825



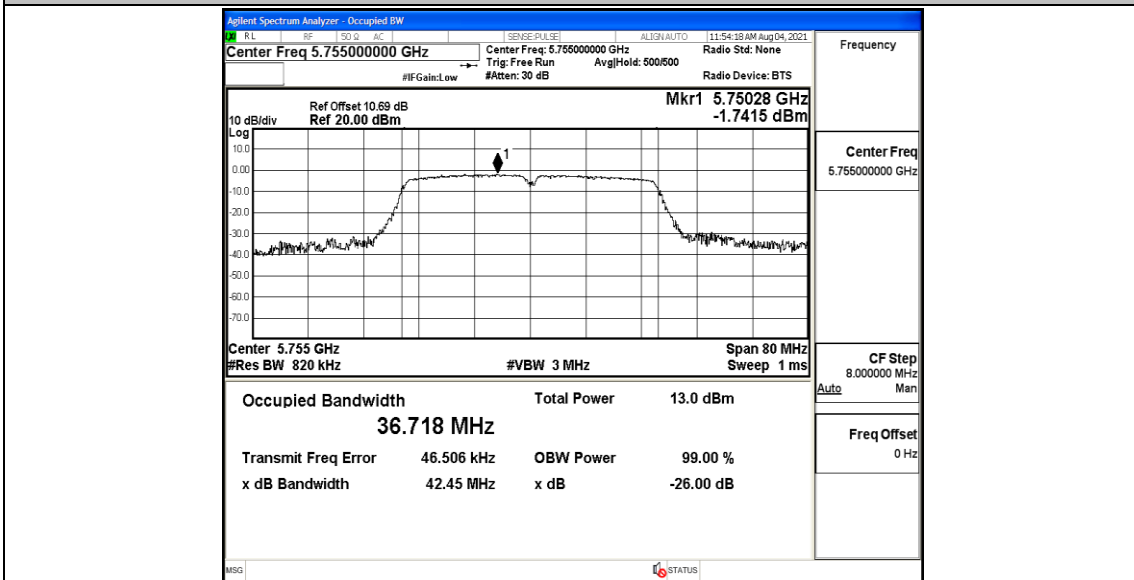
11N20MIMO_Ant2_5825



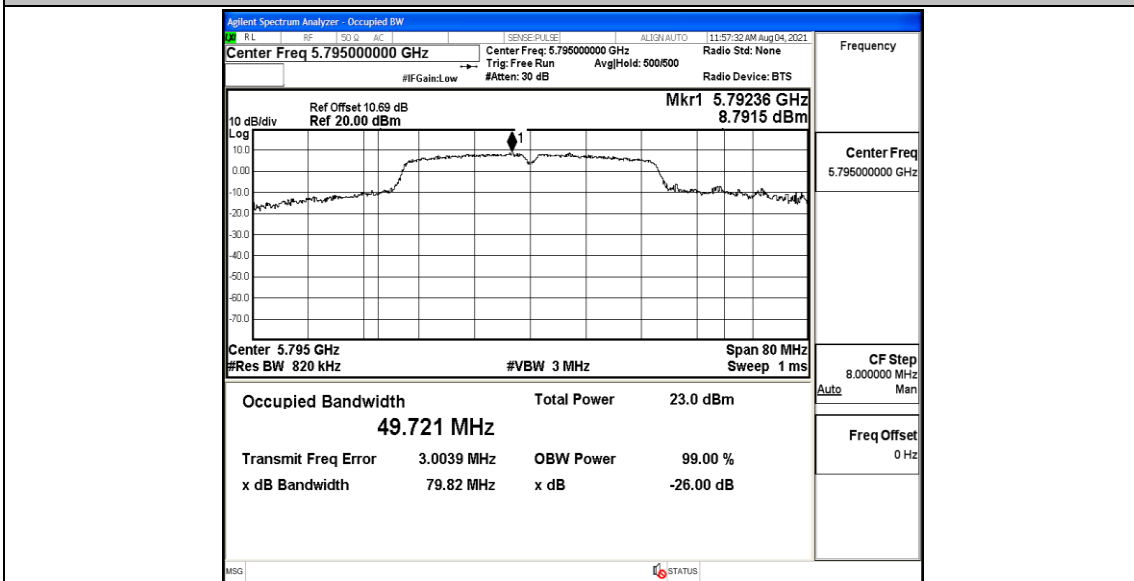
11N40MIMO_Ant1_5755



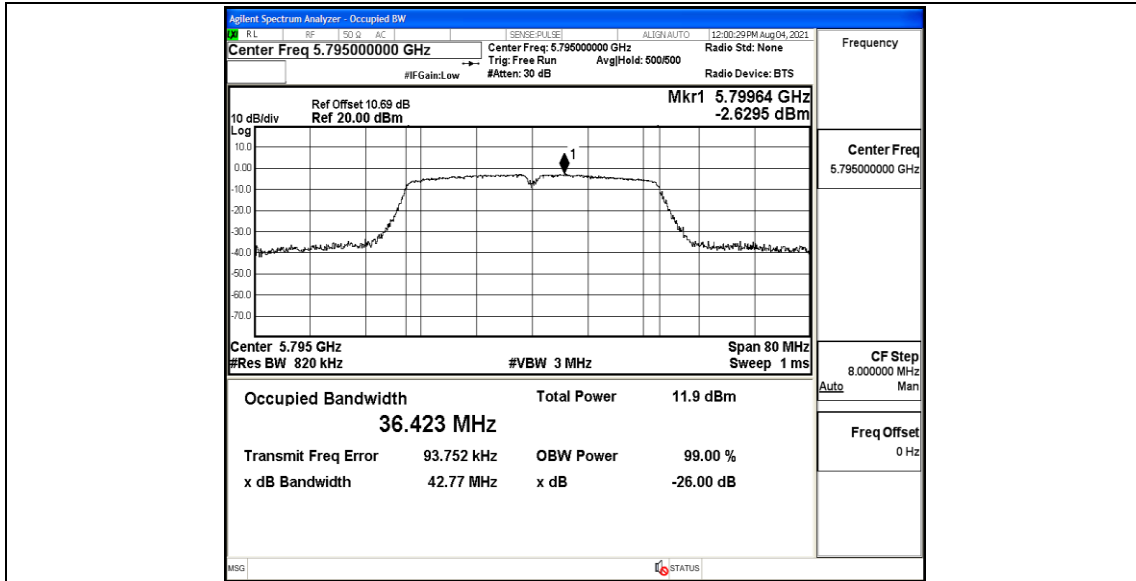
11N40MIMO_Ant2_5755



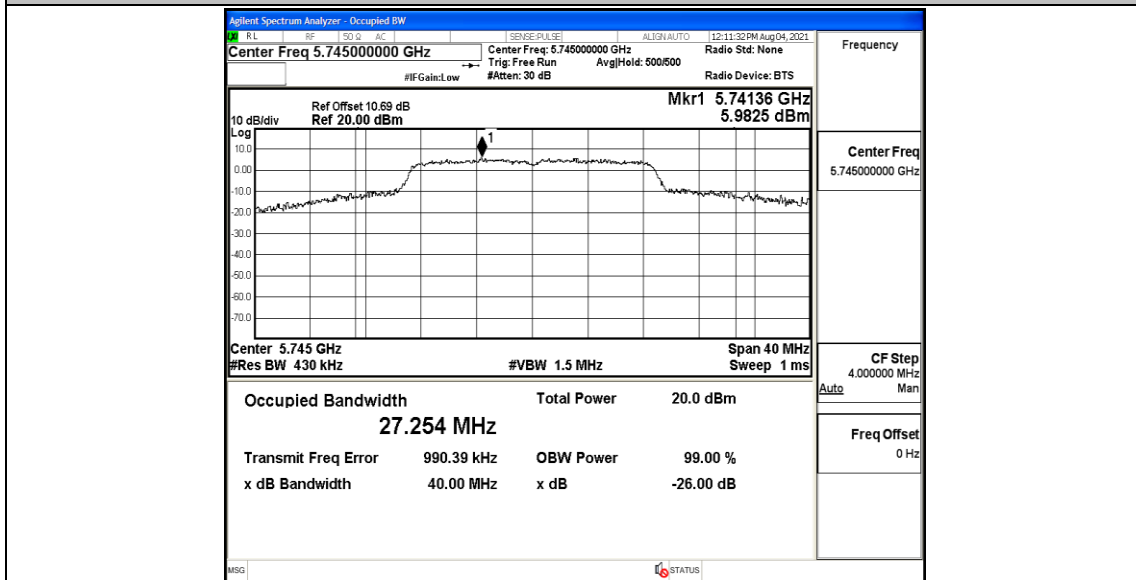
11N40MIMO_Ant1_5795



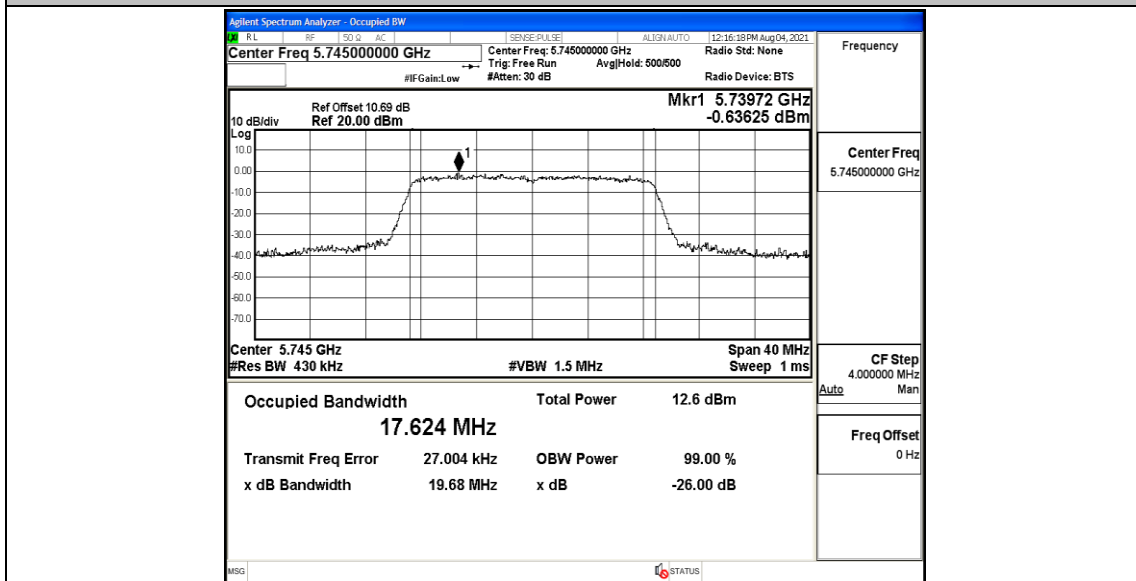
11N40MIMO_Ant2_5795



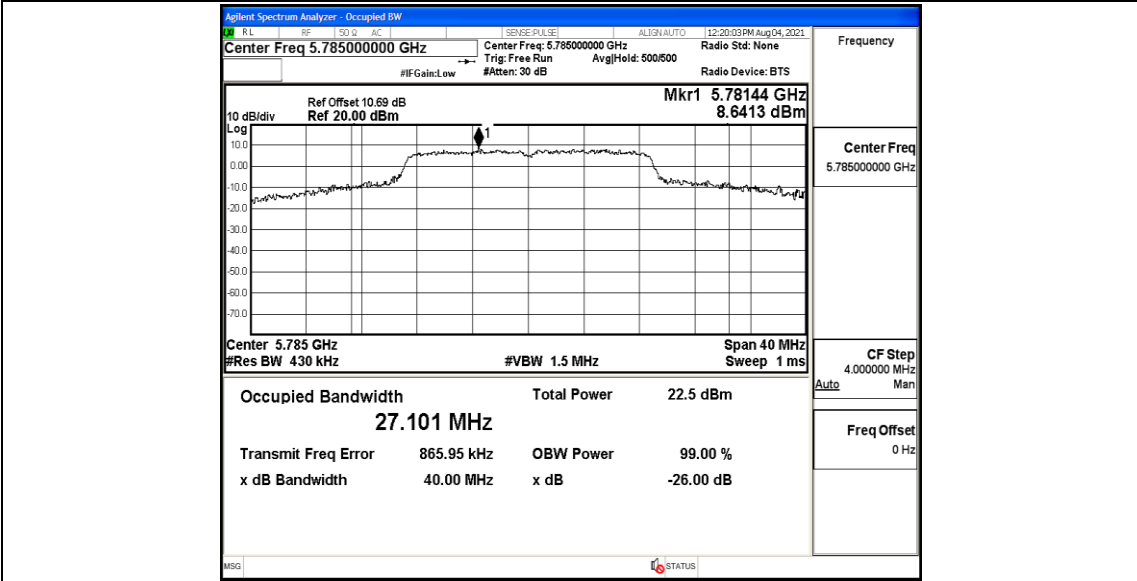
11AC20MIMO_Ant1_5745



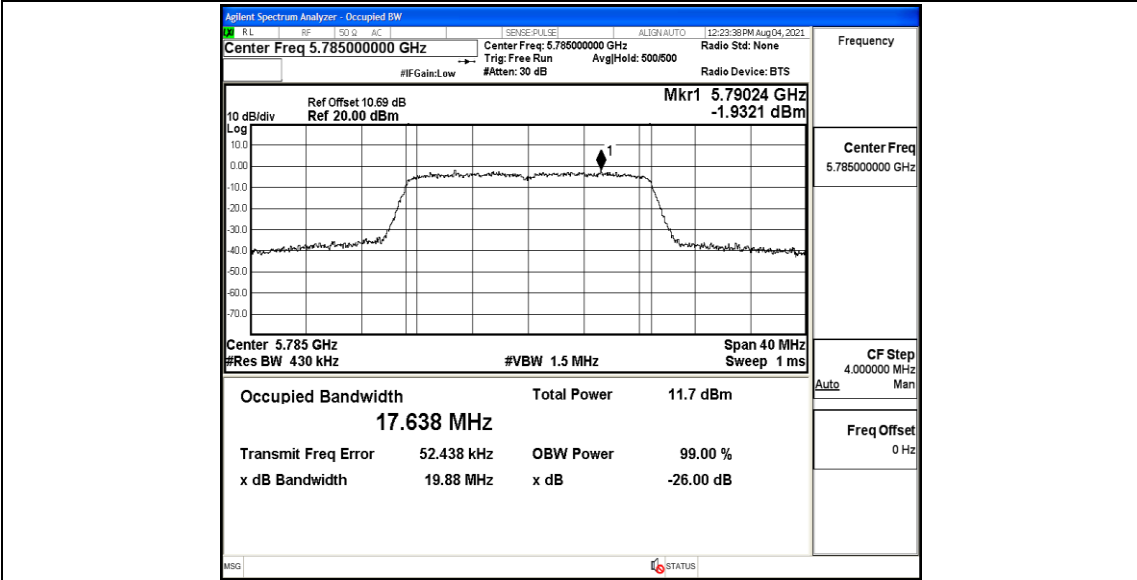
11AC20MIMO_Ant2_5745



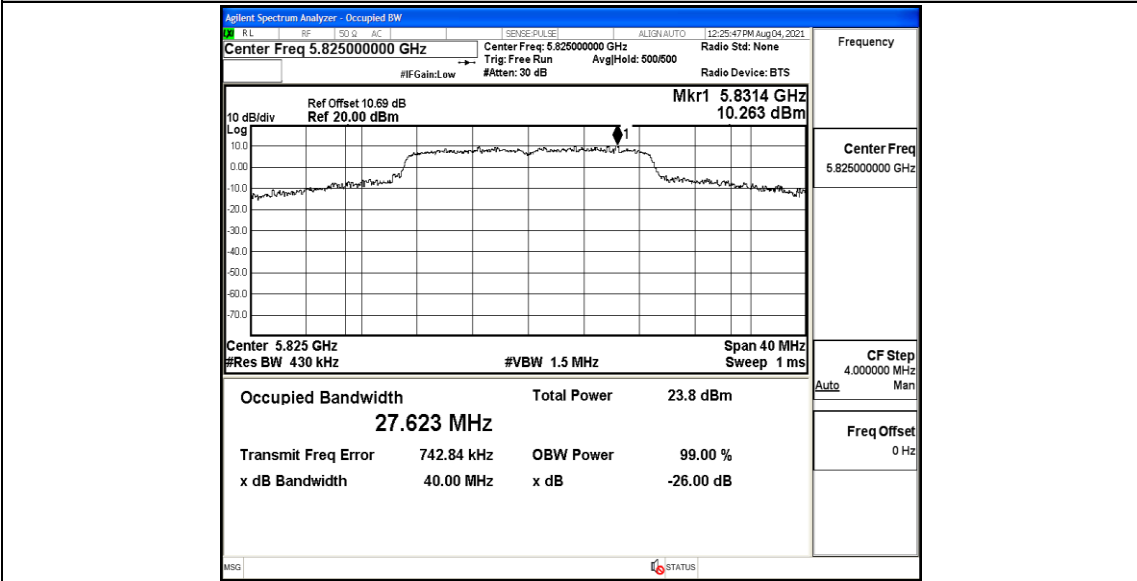
11AC20MIMO_Ant1_5785



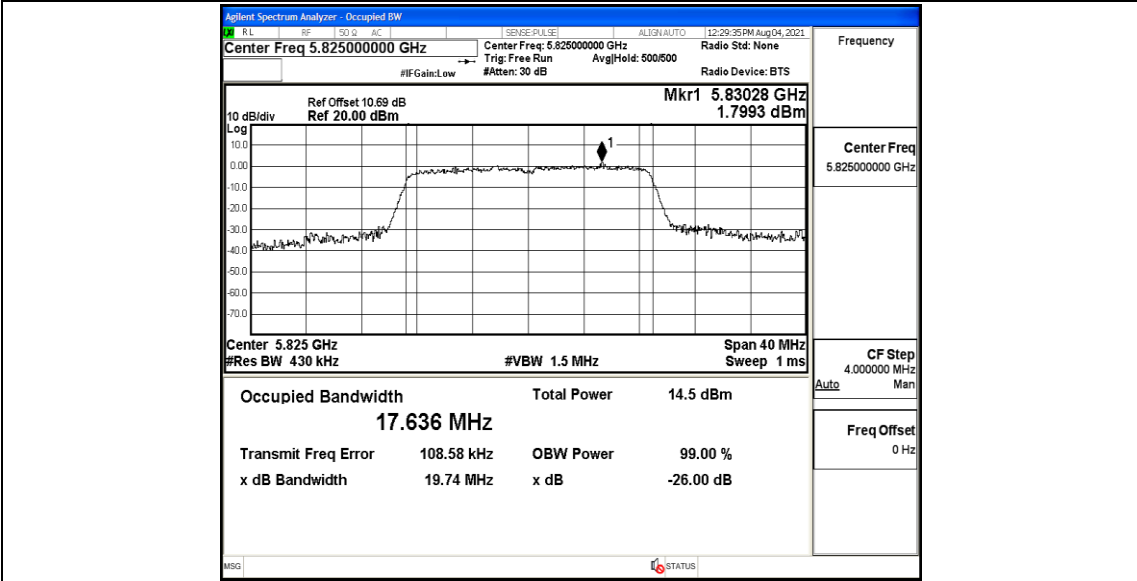
11AC20MIMO_Ant2_5785



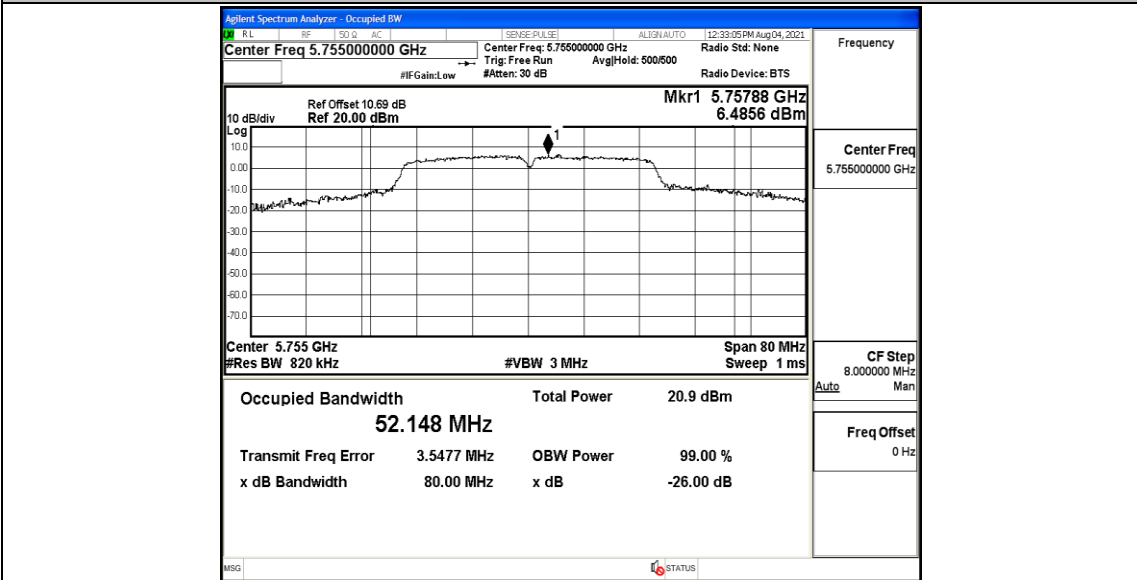
11AC20MIMO_Ant1_5825



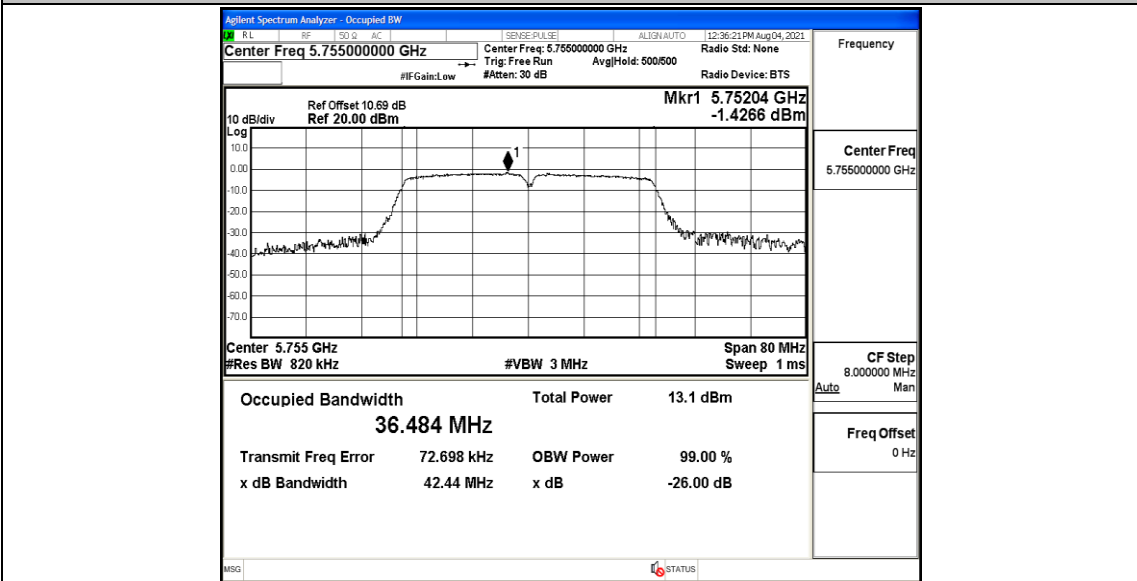
11AC20MIMO_Ant2_5825



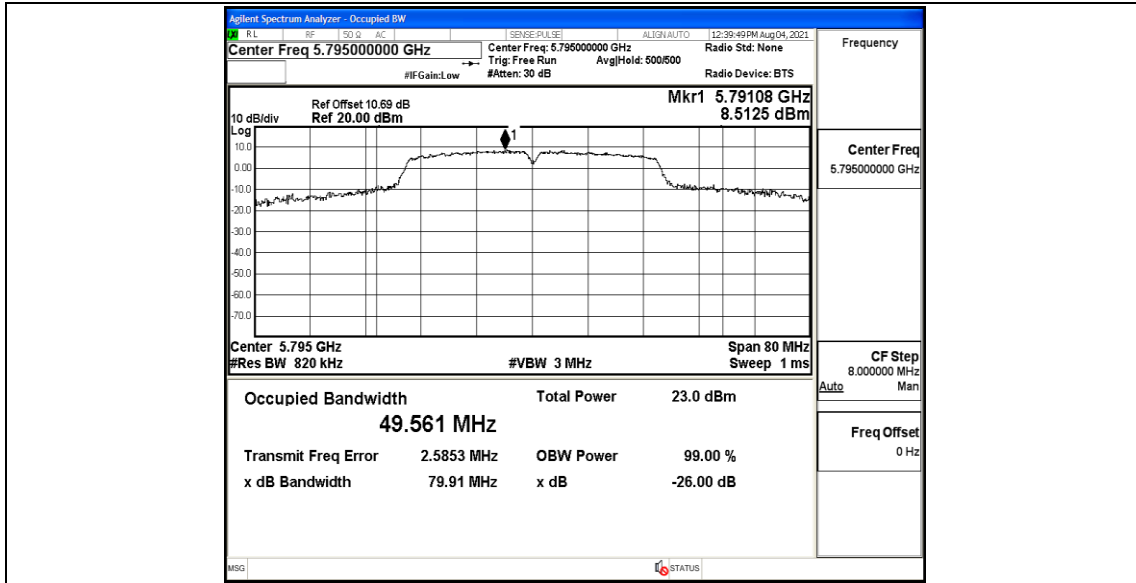
11AC40MIMO_Ant1_5755



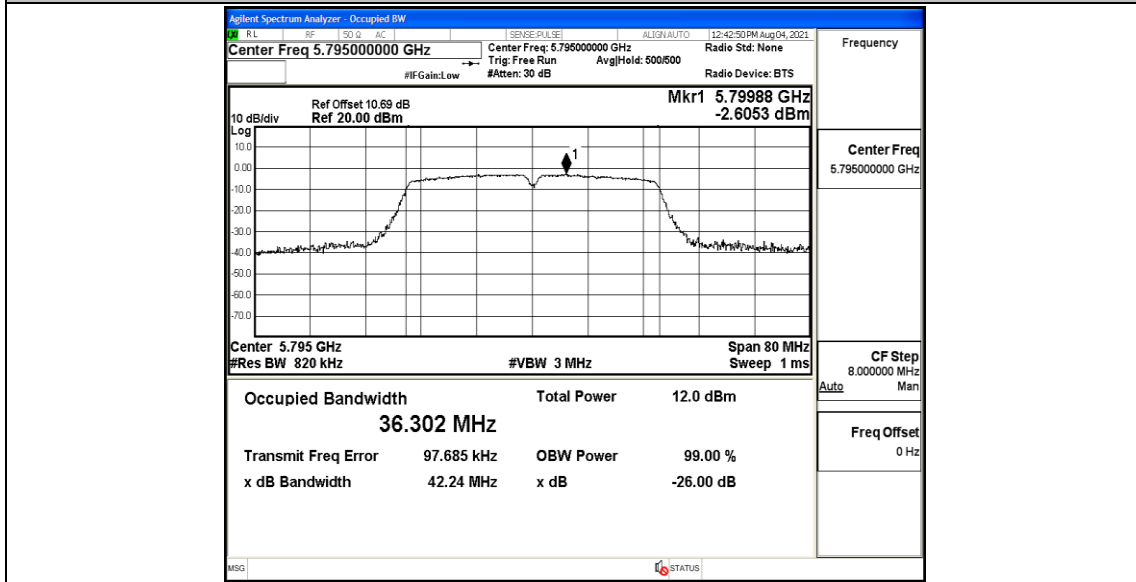
11AC40MIMO_Ant2_5755



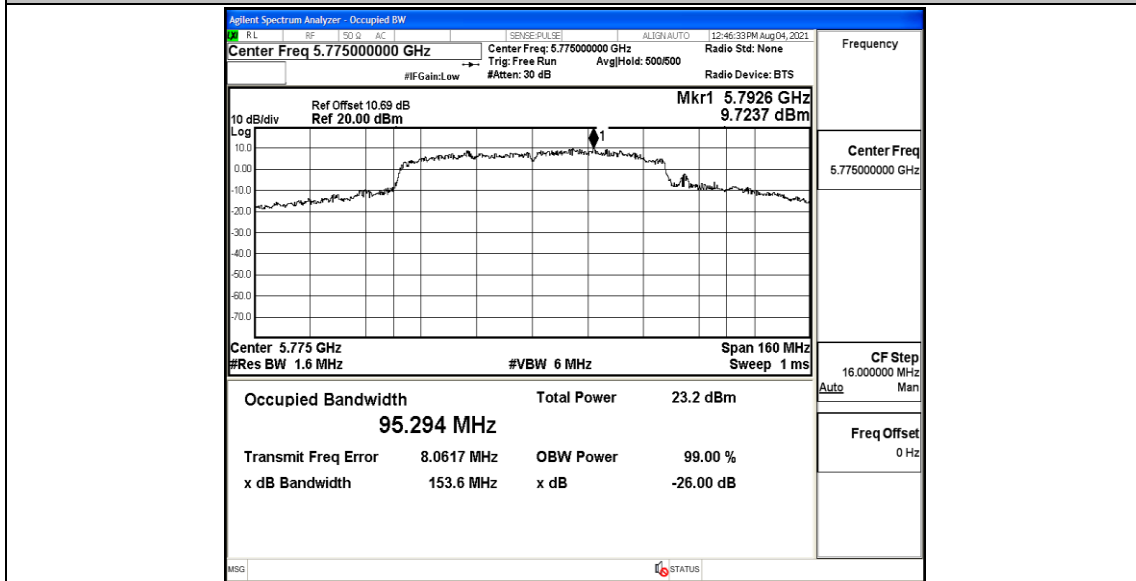
11AC40MIMO_Ant1_5795



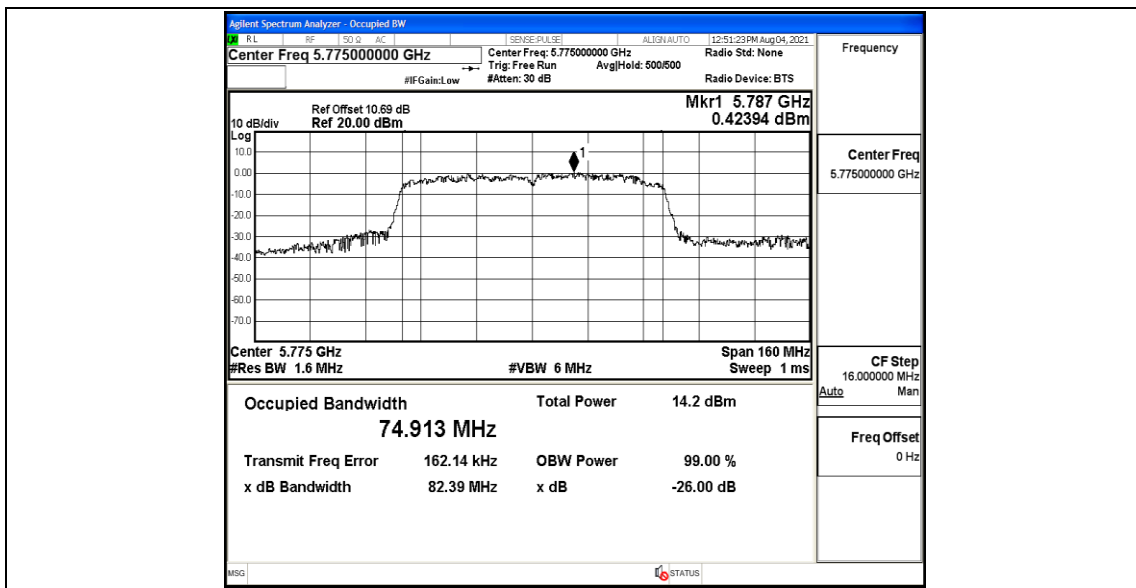
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

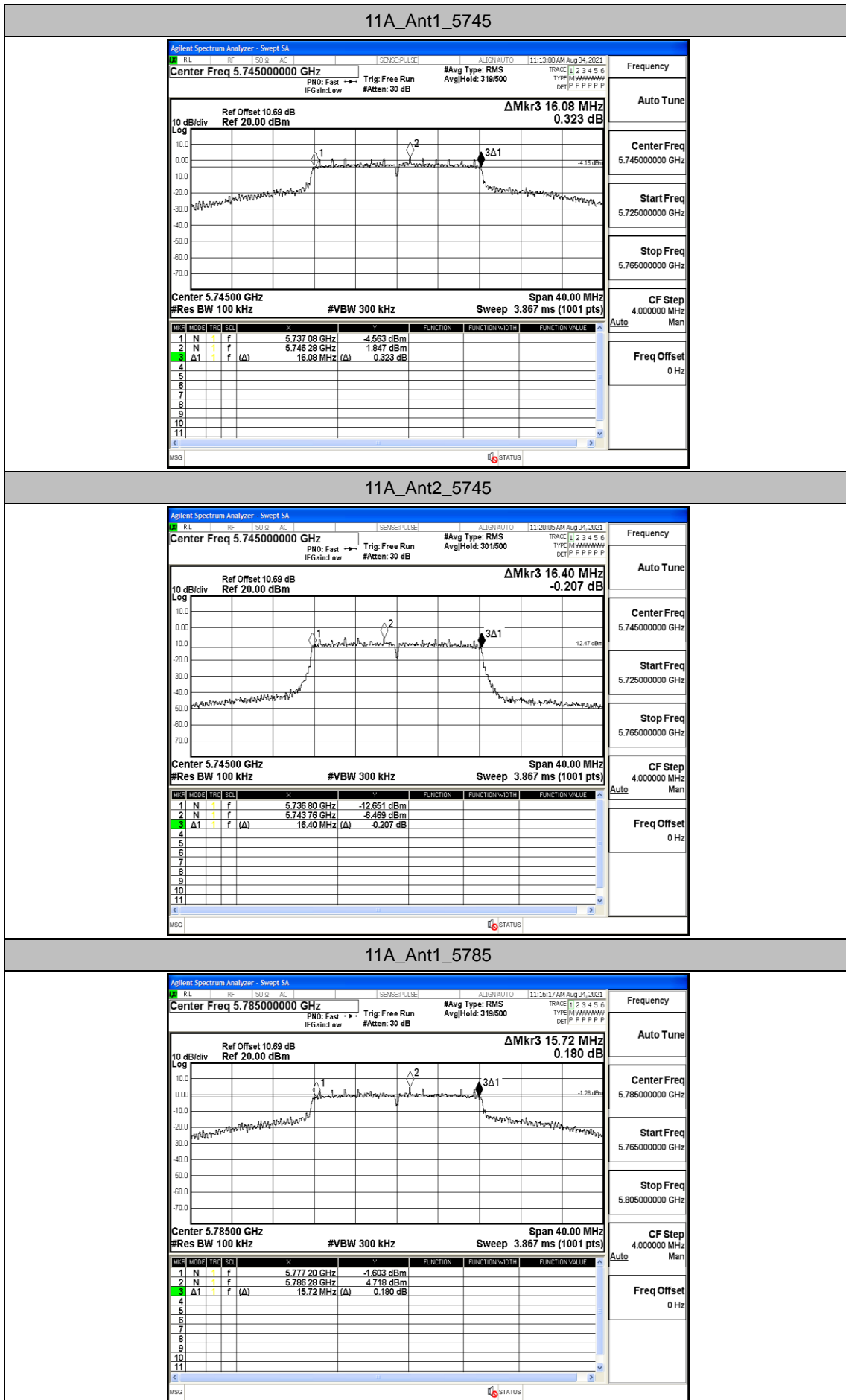


Appendix A2: Min emission bandwidth

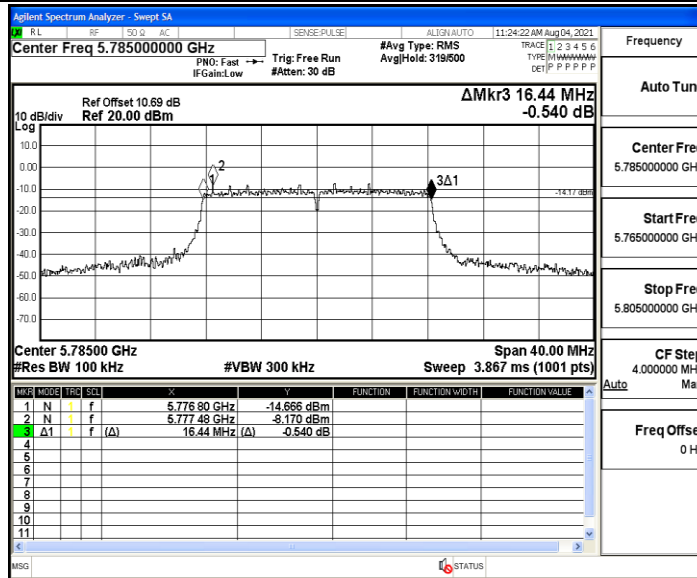
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.080	5737.080	5753.160	0.5	PASS
	Ant2	5745	16.400	5736.800	5753.200	0.5	PASS
	Ant1	5785	15.720	5777.200	5792.920	0.5	PASS
	Ant2	5785	16.440	5776.800	5793.240	0.5	PASS
	Ant1	5825	16.360	5816.840	5833.200	0.5	PASS
	Ant2	5825	15.800	5817.400	5833.200	0.5	PASS
11N20MIMO	Ant1	5745	16.960	5736.600	5753.560	0.5	PASS
	Ant2	5745	17.600	5736.200	5753.800	0.5	PASS
	Ant1	5785	17.200	5776.600	5793.800	0.5	PASS
	Ant2	5785	17.200	5776.600	5793.800	0.5	PASS
	Ant1	5825	16.960	5816.840	5833.800	0.5	PASS
	Ant2	5825	16.600	5817.240	5833.840	0.5	PASS
11N40MIMO	Ant1	5755	34.320	5737.400	5771.720	0.5	PASS
	Ant2	5755	35.520	5737.080	5772.600	0.5	PASS
	Ant1	5795	35.200	5777.400	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
11AC20MIMO	Ant1	5745	17.080	5736.480	5753.560	0.5	PASS
	Ant2	5745	17.240	5736.200	5753.440	0.5	PASS
	Ant1	5785	16.280	5777.120	5793.400	0.5	PASS
	Ant2	5785	17.640	5776.200	5793.840	0.5	PASS
	Ant1	5825	17.000	5816.840	5833.840	0.5	PASS
	Ant2	5825	16.360	5817.480	5833.840	0.5	PASS
11AC40MIMO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
	Ant2	5755	35.280	5737.400	5772.680	0.5	PASS
	Ant1	5795	33.920	5777.480	5811.400	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
11AC80MIMO	Ant1	5775	70.400	5739.800	5810.200	0.5	PASS
	Ant2	5775	75.520	5737.240	5812.760	0.5	PASS

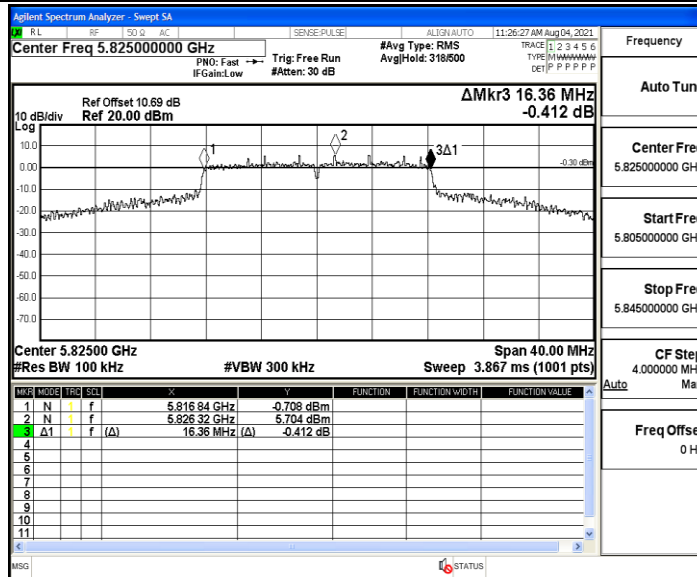
Test Graphs



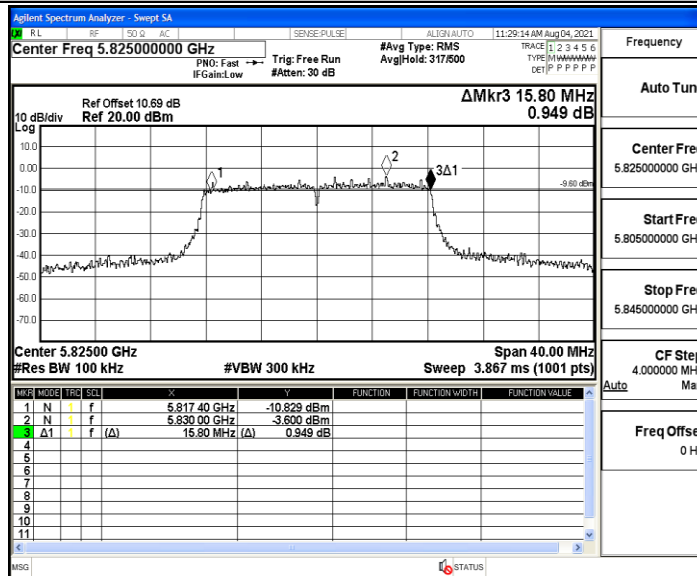
11A_Ant2_5785



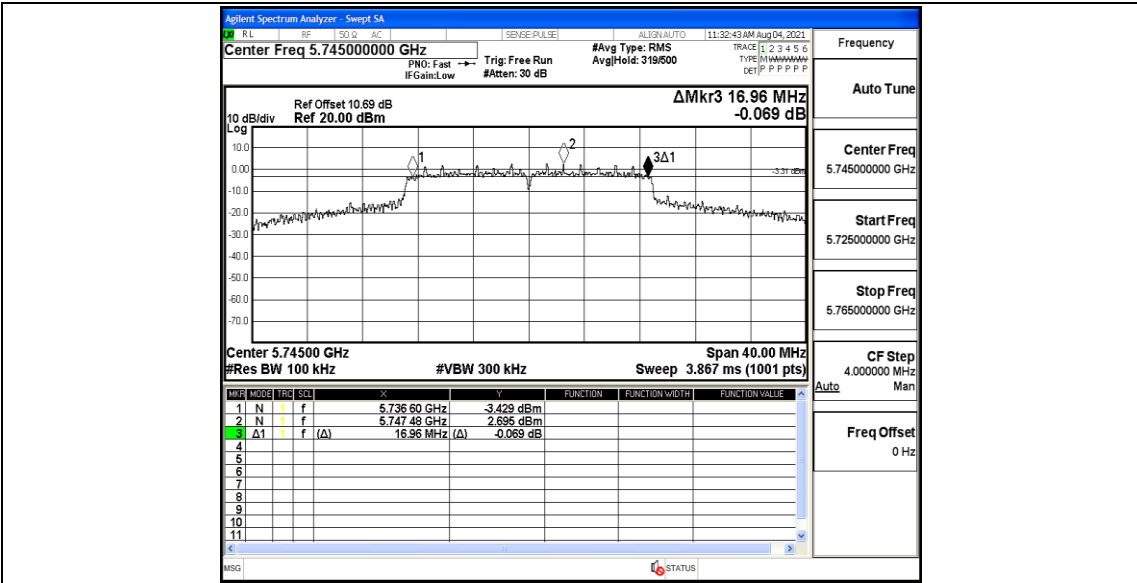
11A_Ant1_5825



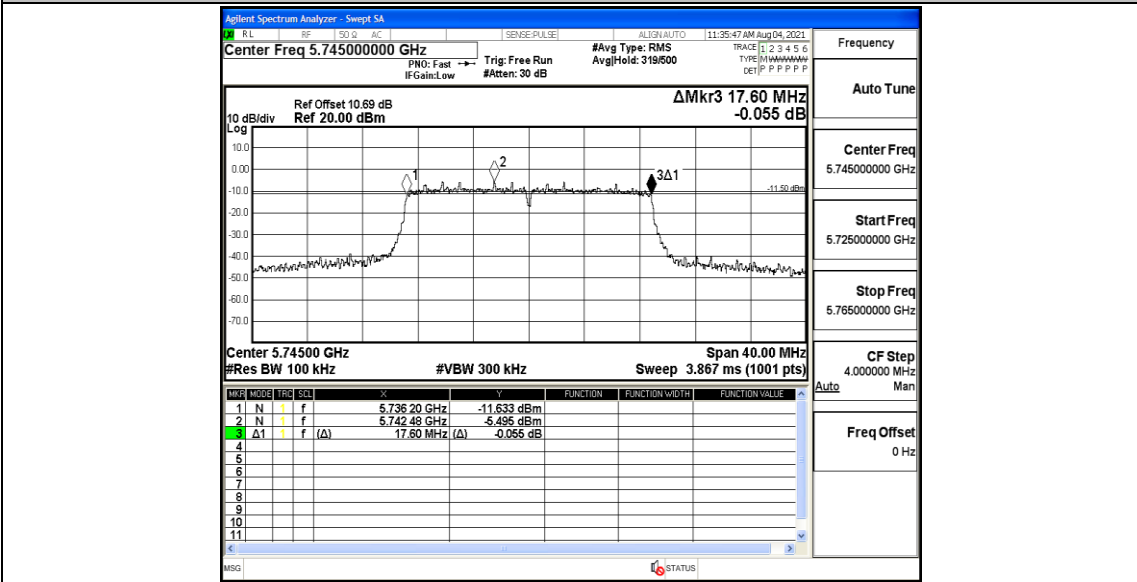
11A_Ant2_5825



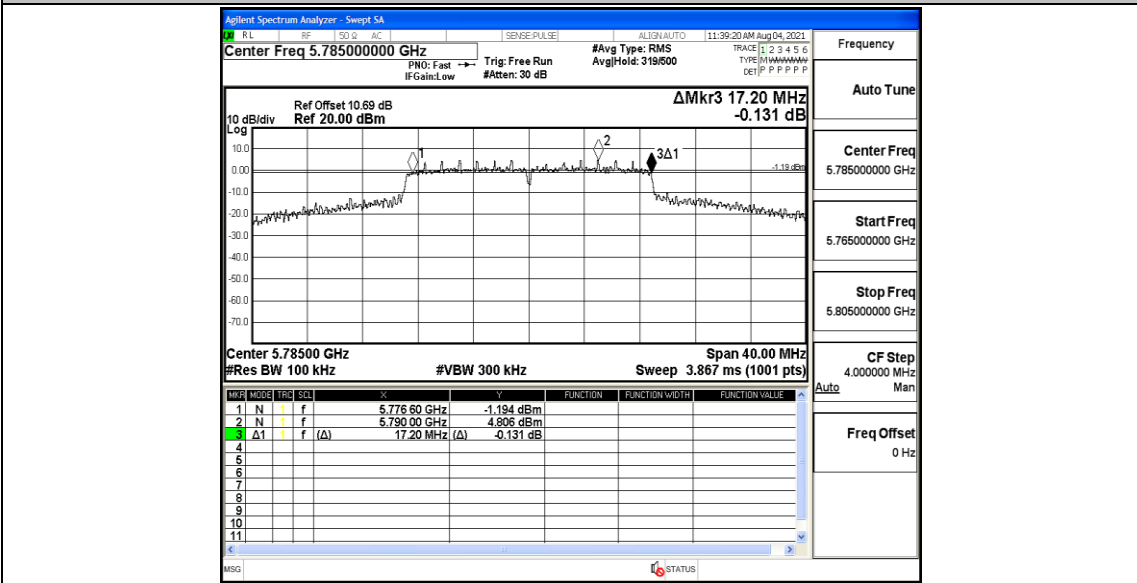
11N20MIMO_Ant1_5745



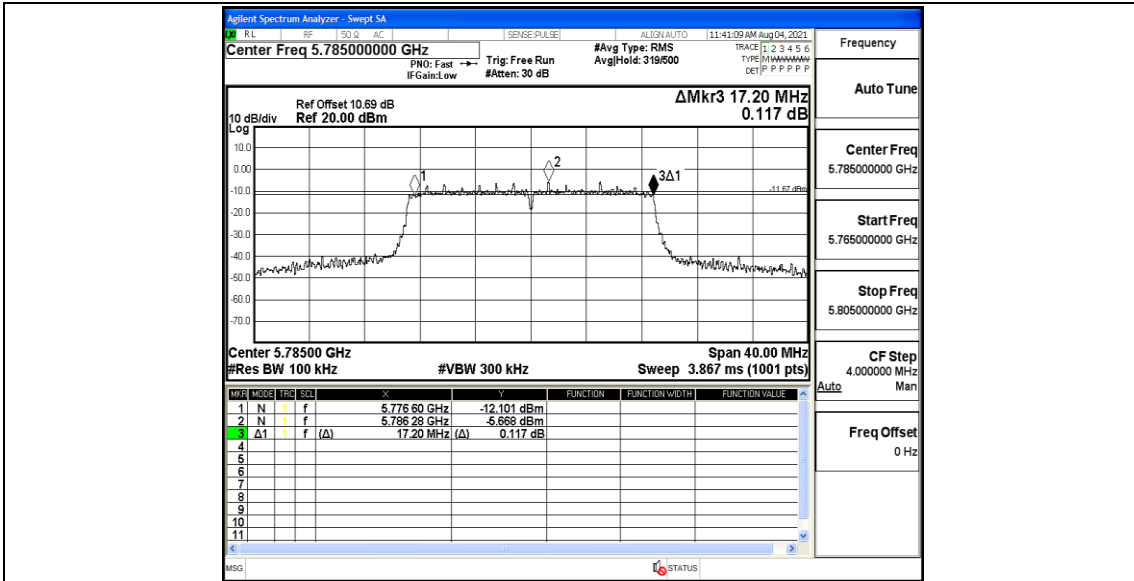
11N20MIMO_Ant2_5745



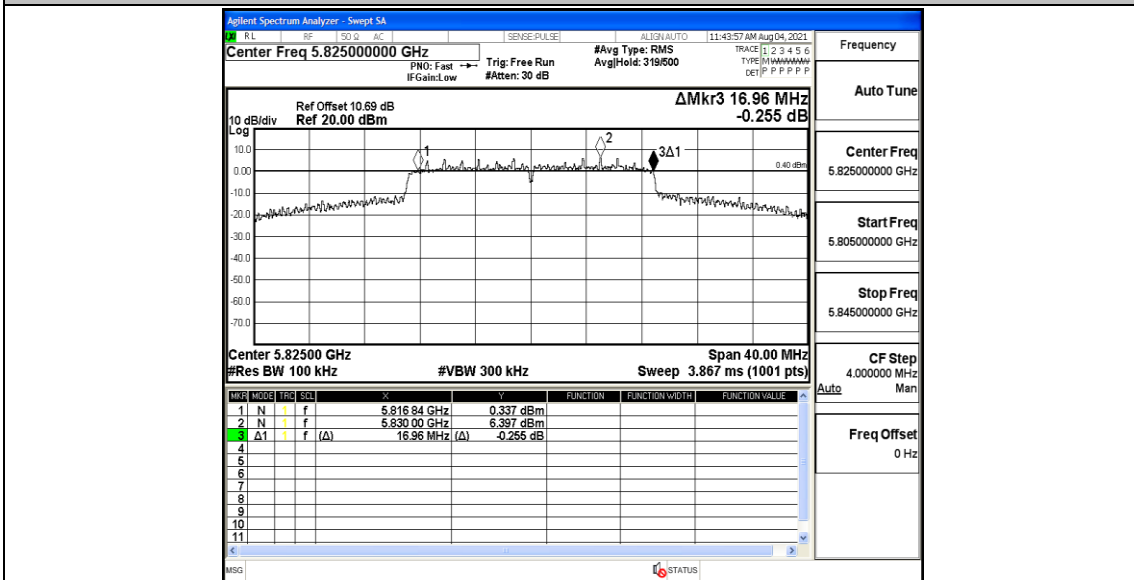
11N20MIMO_Ant1_5785



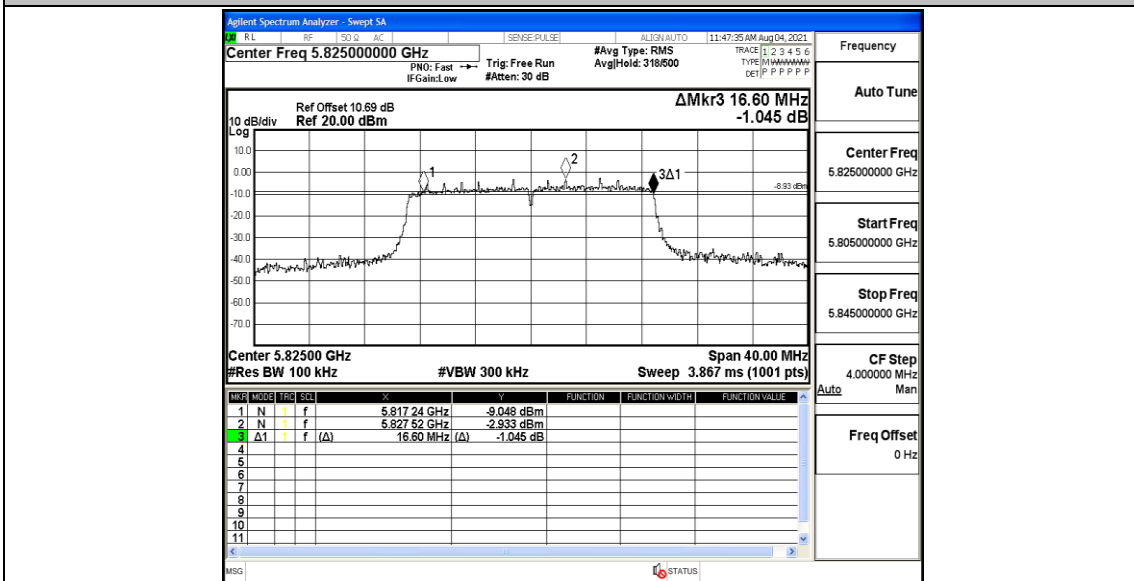
11N20MIMO_Ant2_5785



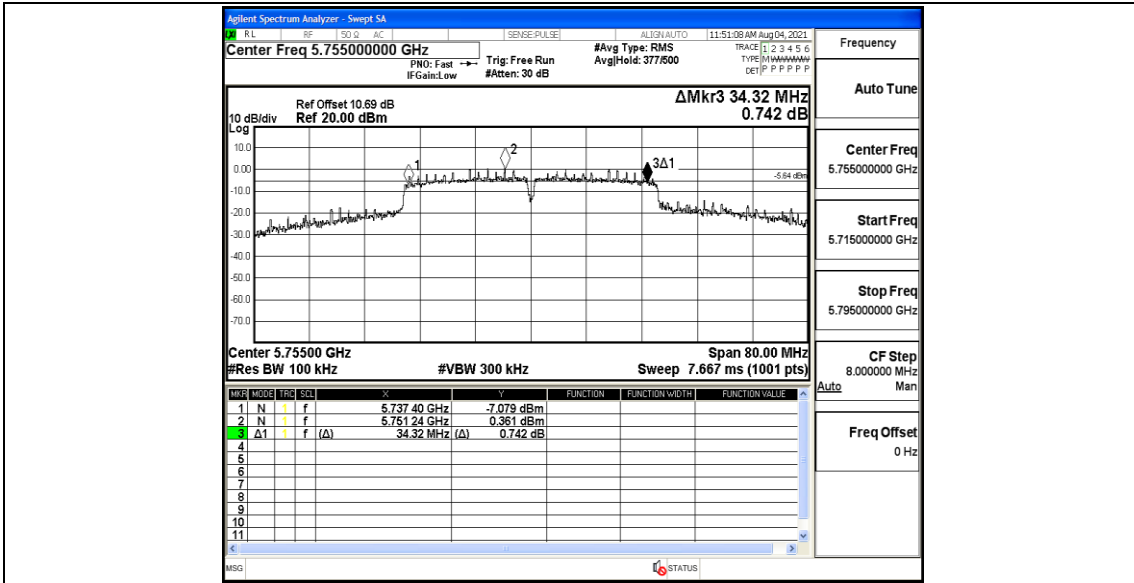
11N20MIMO_Ant1_5825



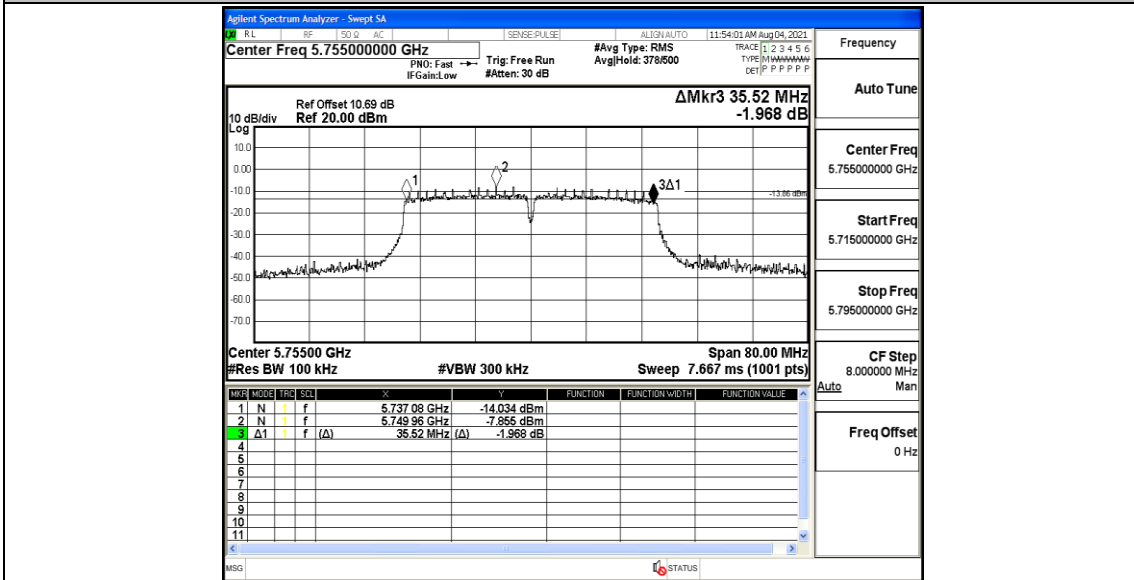
11N20MIMO_Ant2_5825



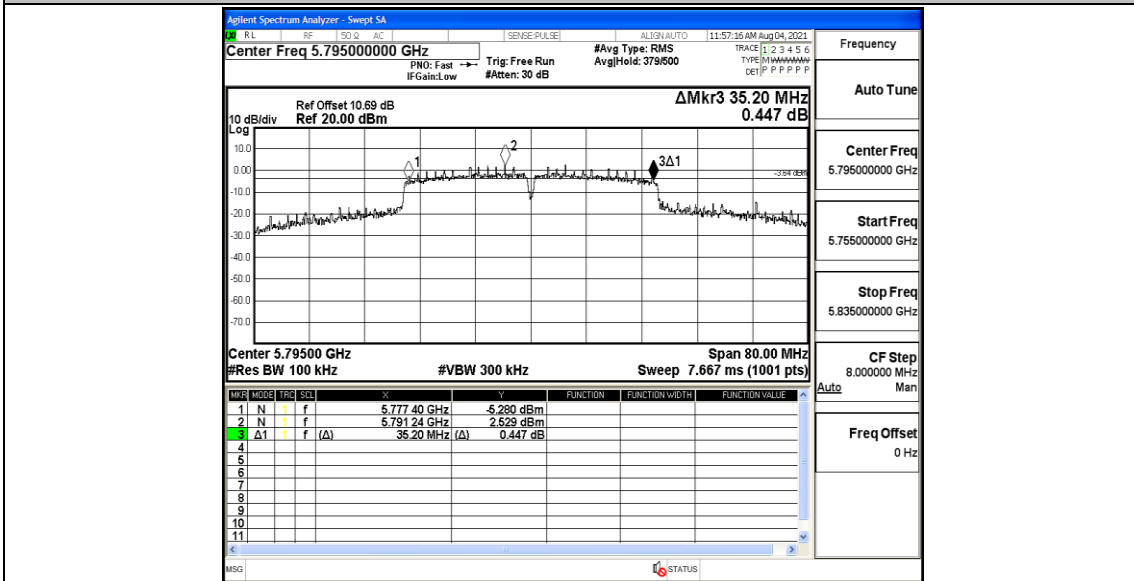
11N40MIMO_Ant1_5755



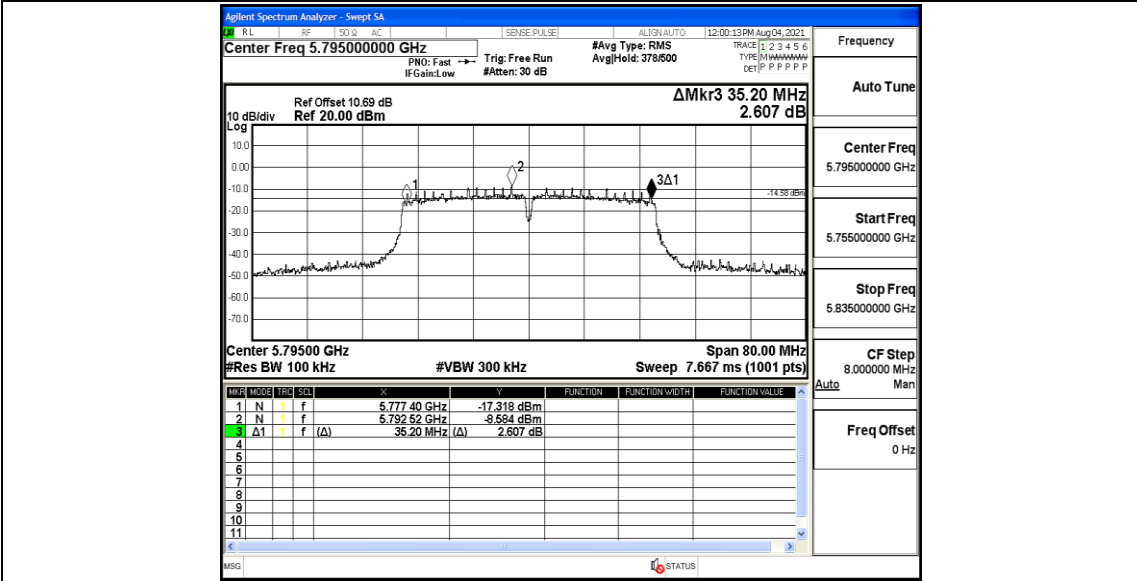
11N40MIMO_Ant2_5755



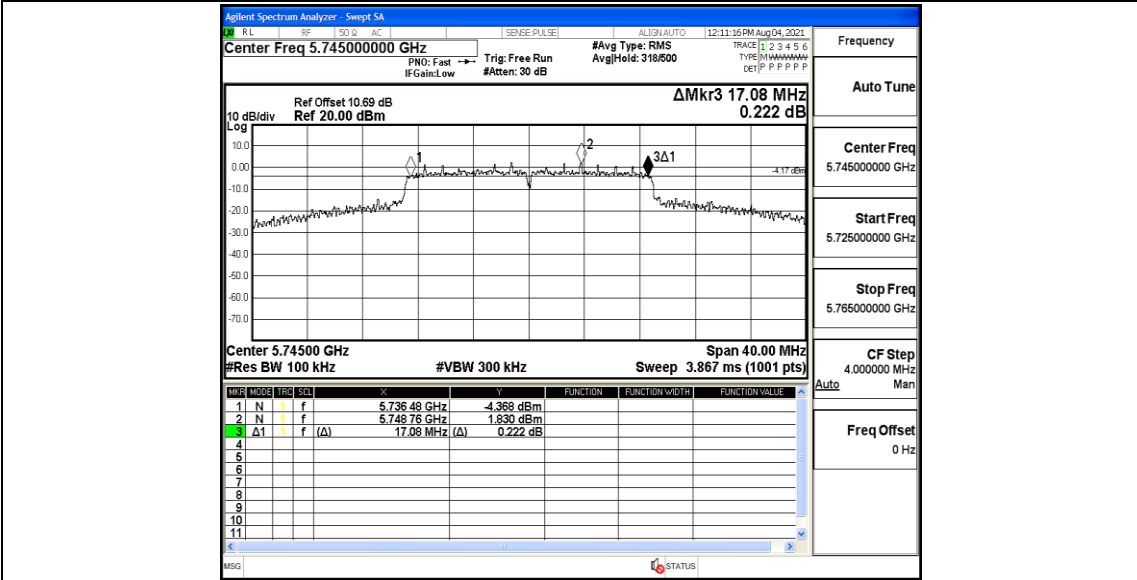
11N40MIMO_Ant1_5795



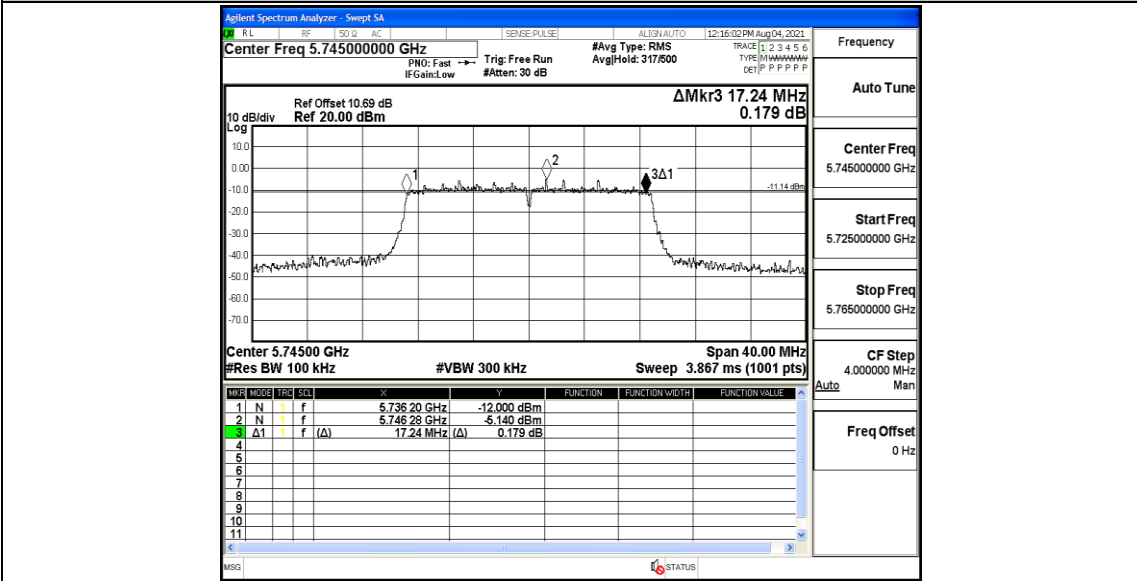
11N40MIMO_Ant2_5795



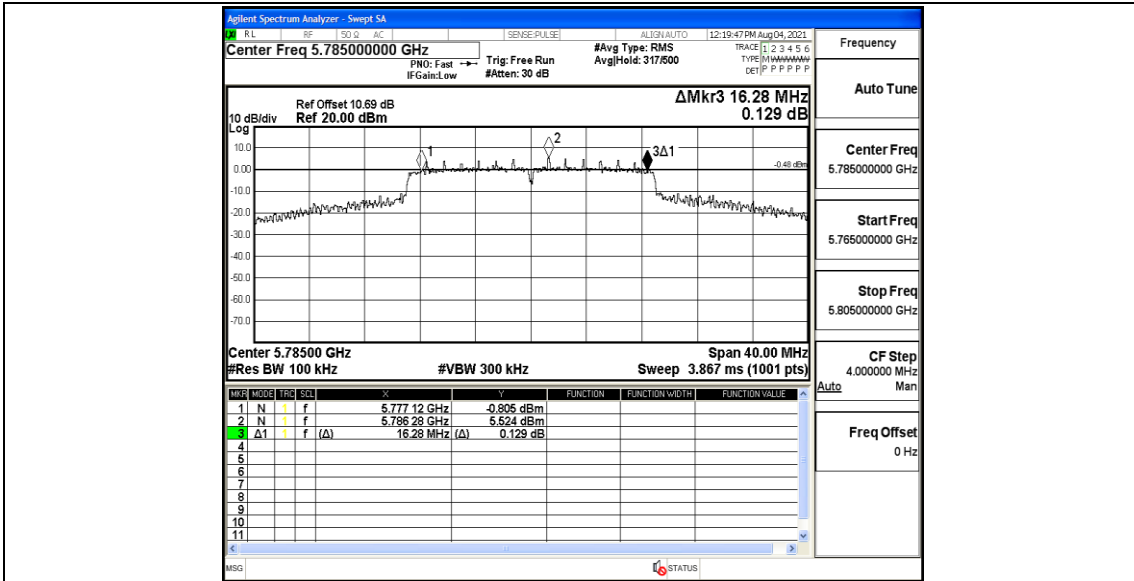
11AC20MIMO_Ant1_5745



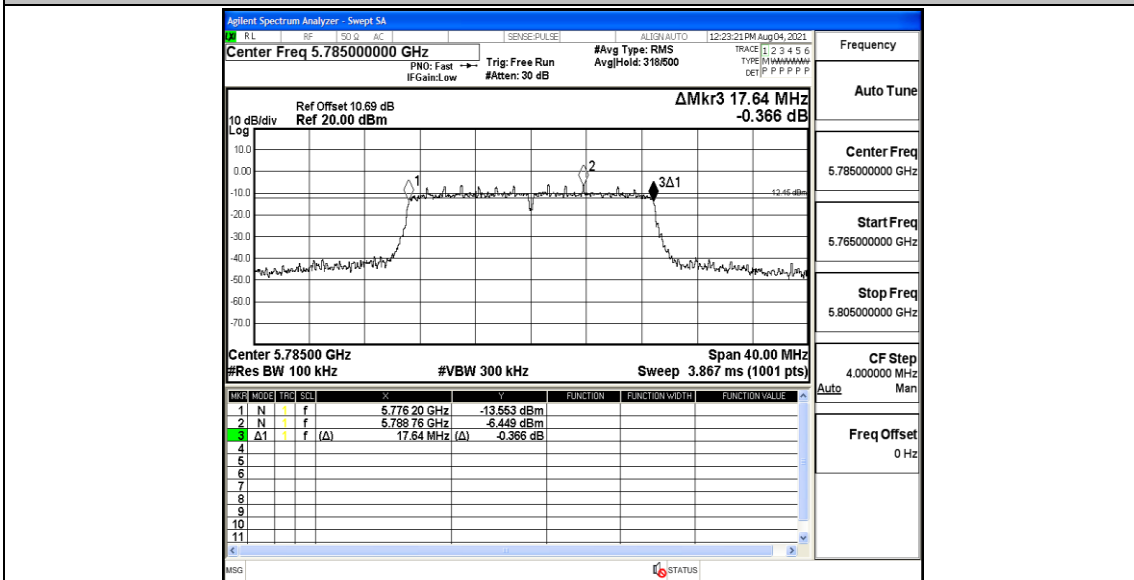
11AC20MIMO_Ant2_5745



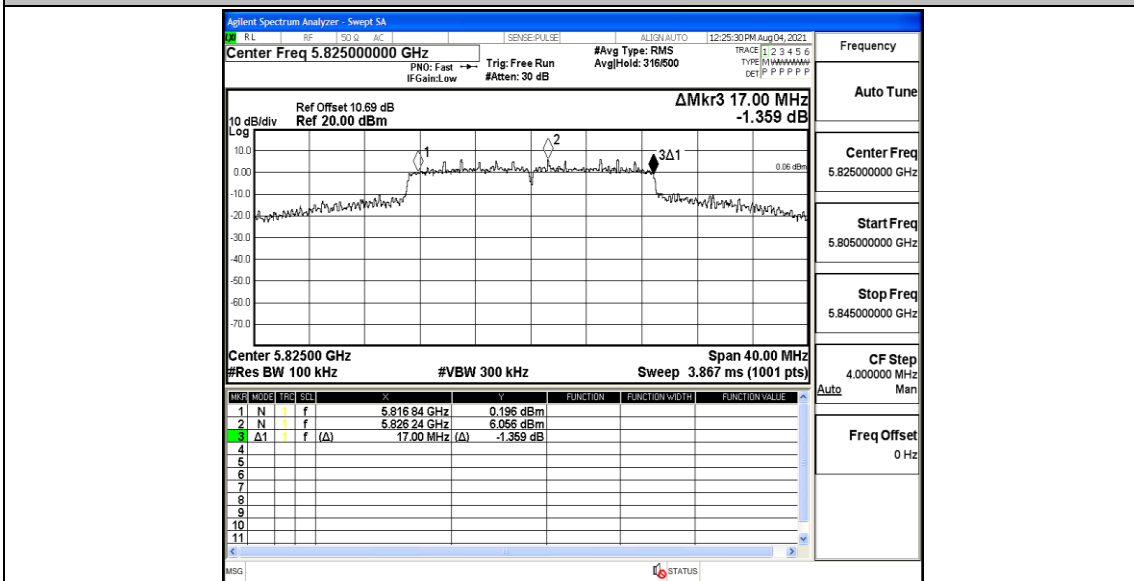
11AC20MIMO_Ant1_5785



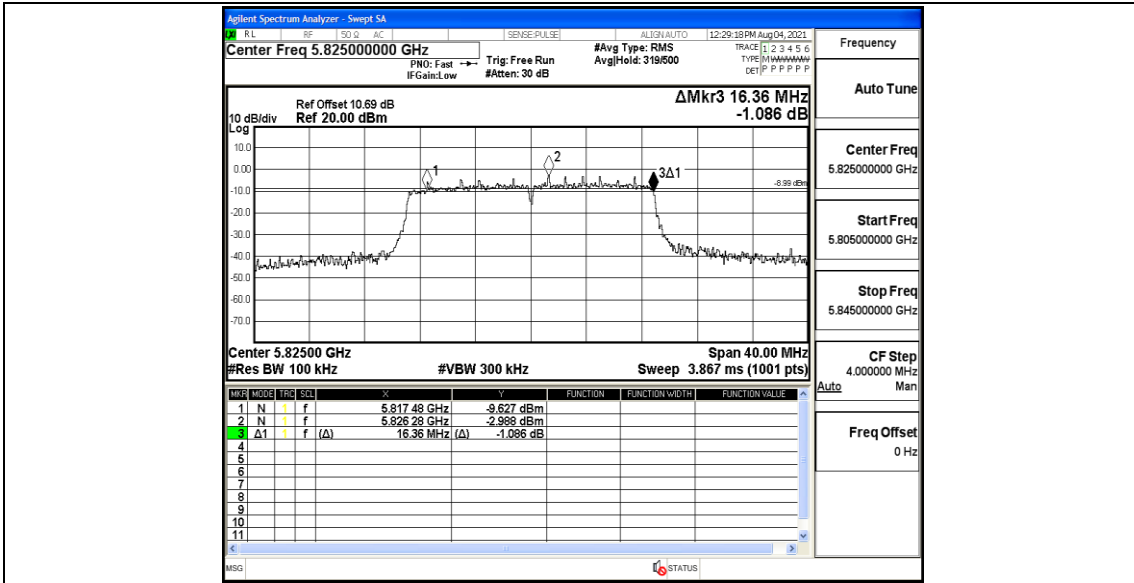
11AC20MIMO_Ant2_5785



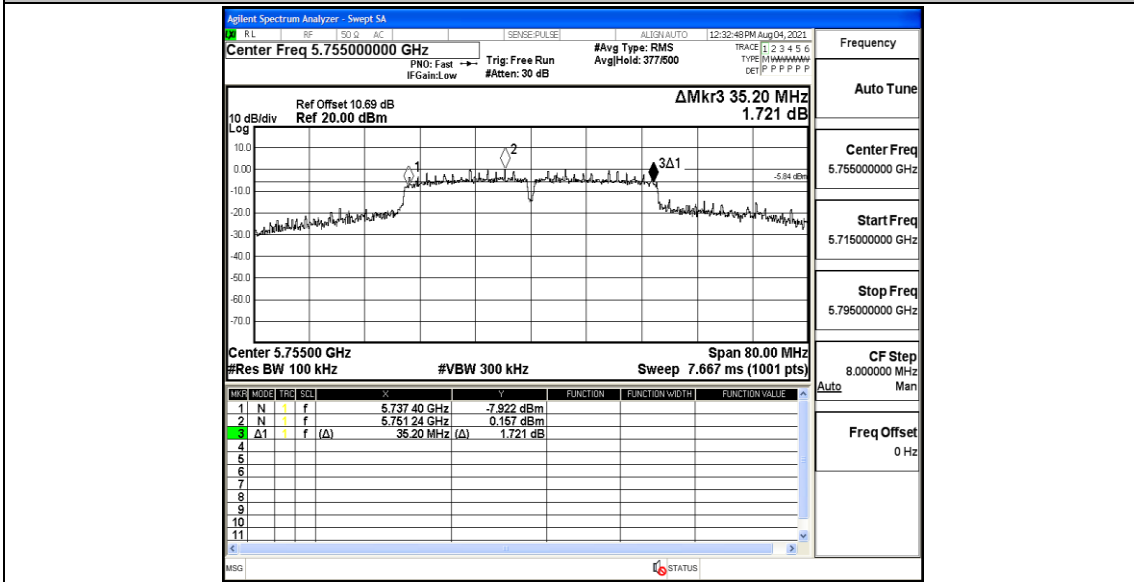
11AC20MIMO_Ant1_5825



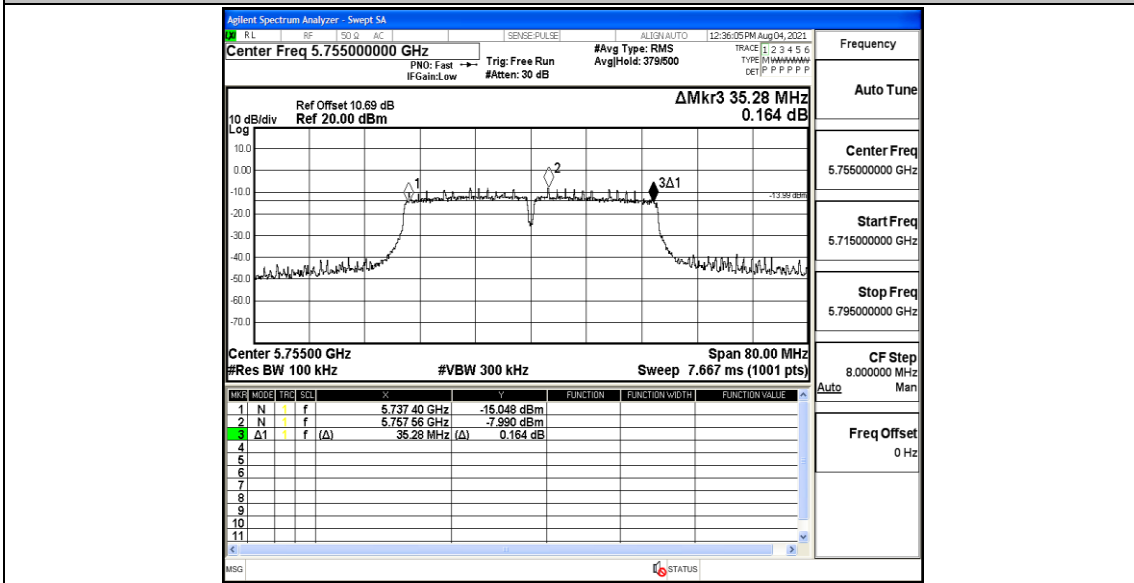
11AC20MIMO_Ant2_5825



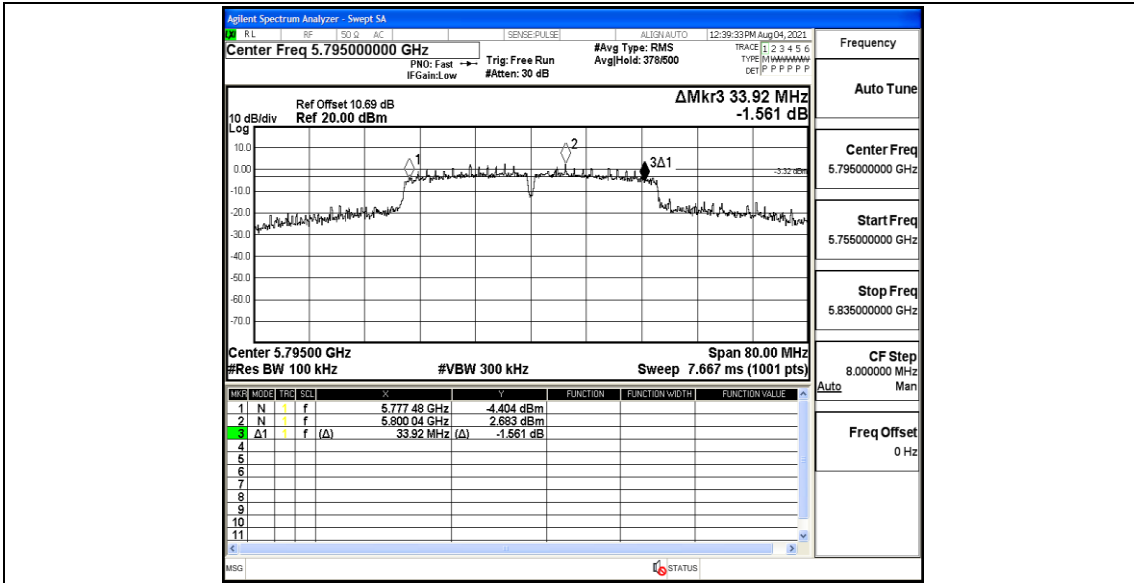
11AC40MIMO_Ant1_5755



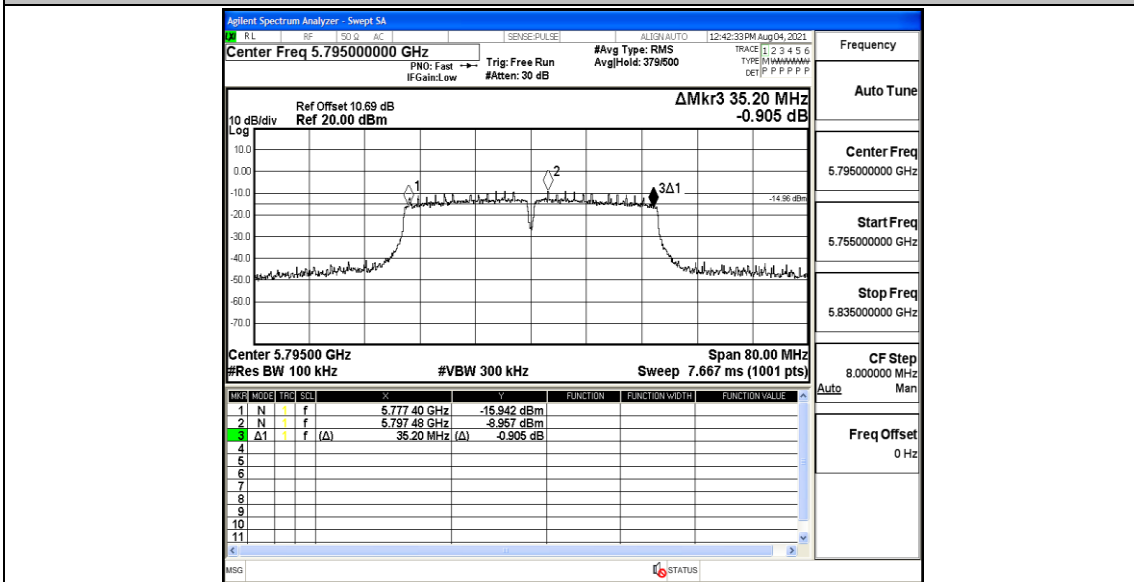
11AC40MIMO_Ant2_5755



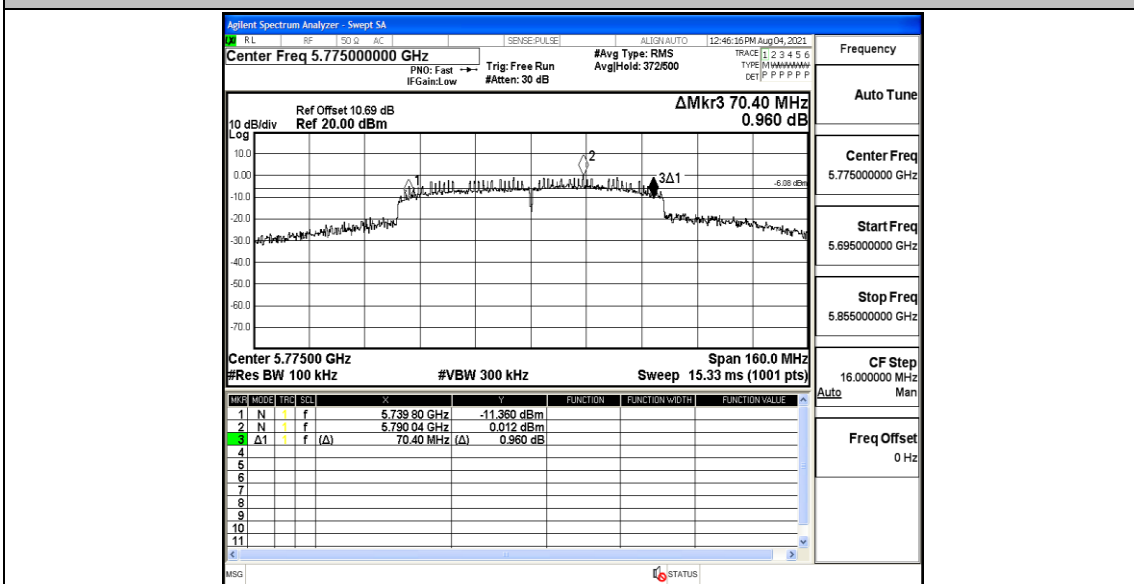
11AC40MIMO_Ant1_5795



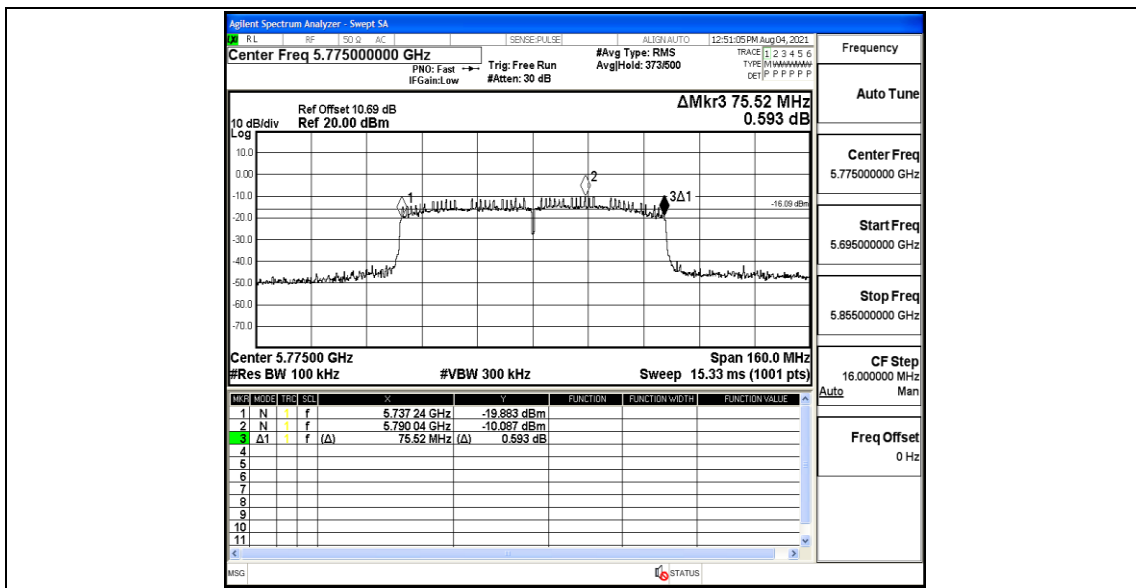
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	12.68	≤30	PASS
	Ant2	5745	5.03	≤30	PASS
	Ant1	5785	15.38	≤30	PASS
	Ant2	5785	3.92	≤30	PASS
	Ant1	5825	16.70	≤30	PASS
	Ant2	5825	7.00	≤30	PASS
11N20MIMO	Ant1	5745	13.54	≤30	PASS
	Ant2	5745	5.91	≤30	PASS
	total	5745	14.2	≤30	PASS
	Ant1	5785	16.05	≤30	PASS
	Ant2	5785	5.15	≤30	PASS
	total	5785	16.4	≤30	PASS
	Ant1	5825	17.02	≤30	PASS
	Ant2	5825	7.95	≤30	PASS
	total	5825	17.5	≤30	PASS
11N40MIMO	Ant1	5755	13.59	≤30	PASS
	Ant2	5755	5.66	≤30	PASS
	total	5755	14.2	≤30	PASS
	Ant1	5795	15.51	≤30	PASS
	Ant2	5795	4.61	≤30	PASS
	total	5795	15.8	≤30	PASS
11AC20MIMO	Ant1	5745	13.28	≤30	PASS
	Ant2	5745	6.06	≤30	PASS
	total	5745	14.0	≤30	PASS
	Ant1	5785	15.75	≤30	PASS
	Ant2	5785	4.83	≤30	PASS
	total	5785	16.1	≤30	PASS
	Ant1	5825	16.78	≤30	PASS
	Ant2	5825	7.56	≤30	PASS
	total	5825	17.3	≤30	PASS
11AC40MIMO	Ant1	5755	13.70	≤30	PASS
	Ant2	5755	5.74	≤30	PASS
	total	5755	14.3	≤30	PASS
	Ant1	5795	15.69	≤30	PASS
	Ant2	5795	4.75	≤30	PASS
	total	5795	16.0	≤30	PASS
11AC80MIMO	Ant1	5775	15.09	≤30	PASS
	Ant2	5775	5.79	≤30	PASS
	total	5775	15.6	≤30	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix C: Maximum power spectral density

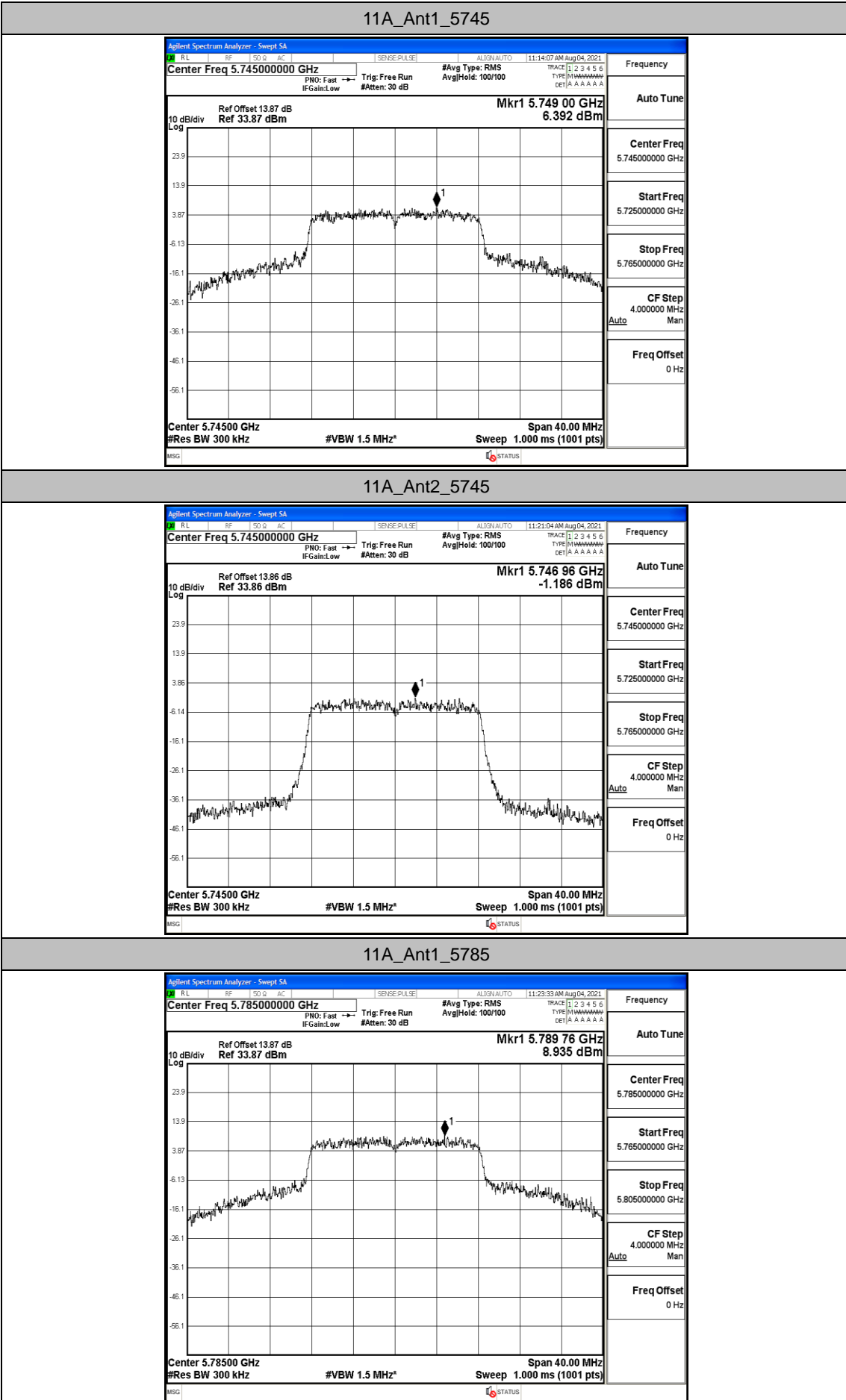
Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	6.39	≤30	PASS
	Ant2	5745	-1.19	≤30	PASS
	Ant1	5785	8.94	≤30	PASS
	Ant2	5785	-2.21	≤30	PASS
	Ant1	5825	10.73	≤30	PASS
	Ant2	5825	1.34	≤30	PASS
11N20MIMO	Ant1	5745	7.48	≤30	PASS
	Ant2	5745	-0.84	≤30	PASS
	total	5745	8.08	≤30	PASS
	Ant1	5785	9.69	≤30	PASS
	Ant2	5785	-1.01	≤30	PASS
	total	5785	10.04	≤30	PASS
	Ant1	5825	10.88	≤30	PASS
	Ant2	5825	1.36	≤30	PASS
	total	5825	11.34	≤30	PASS
11N40MIMO	Ant1	5755	5.64	≤30	PASS
	Ant2	5755	-2.9	≤30	PASS
	total	5755	6.21	≤30	PASS
	Ant1	5795	7.3	≤30	PASS
	Ant2	5795	-3.4	≤30	PASS
	total	5795	7.65	≤30	PASS
11AC20MIMO	Ant1	5745	6.87	≤30	PASS
	Ant2	5745	-0.17	≤30	PASS
	total	5745	7.65	≤30	PASS
	Ant1	5785	9.3	≤30	PASS
	Ant2	5785	-1.64	≤30	PASS
	total	5785	9.64	≤30	PASS
	Ant1	5825	10.58	≤30	PASS
	Ant2	5825	1.66	≤30	PASS
	total	5825	11.10	≤30	PASS
11AC40MIMO	Ant1	5755	5.25	≤30	PASS
	Ant2	5755	-2.81	≤30	PASS
	total	5755	5.88	≤30	PASS
	Ant1	5795	7.83	≤30	PASS
	Ant2	5795	-4.11	≤30	PASS
	total	5795	8.10	≤30	PASS
11AC80MIMO	Ant1	5775	4.43	≤30	PASS
	Ant2	5775	-4.92	≤30	PASS
	total	5775	4.91	≤30	PASS

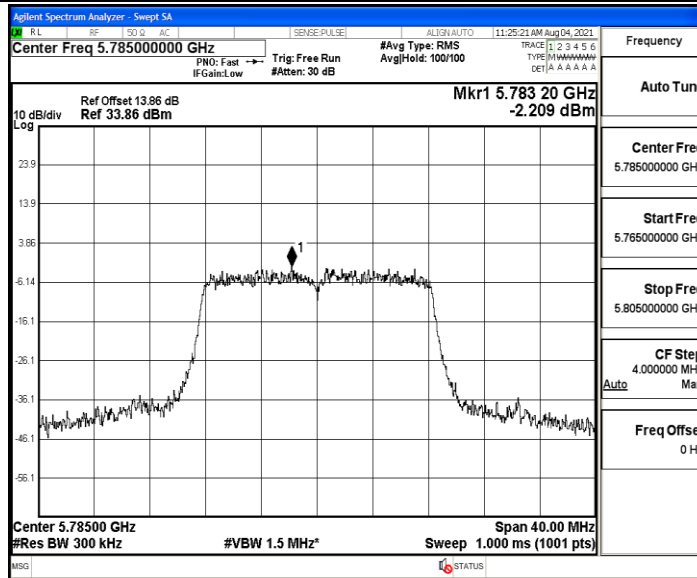
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

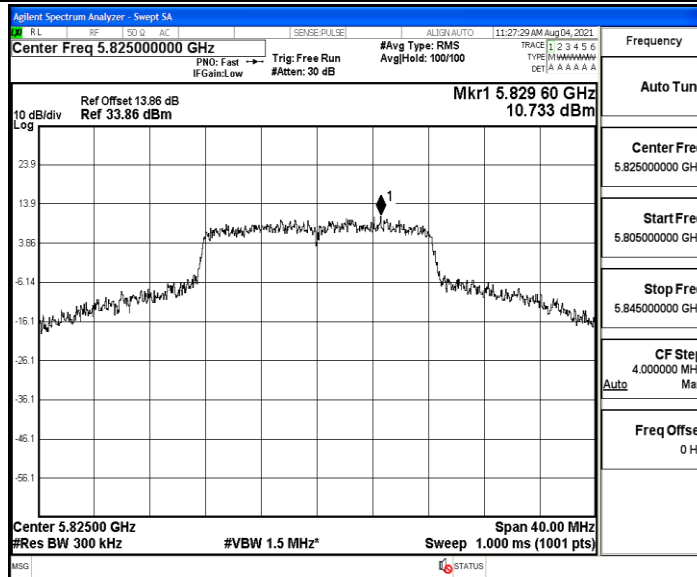
Test Graphs



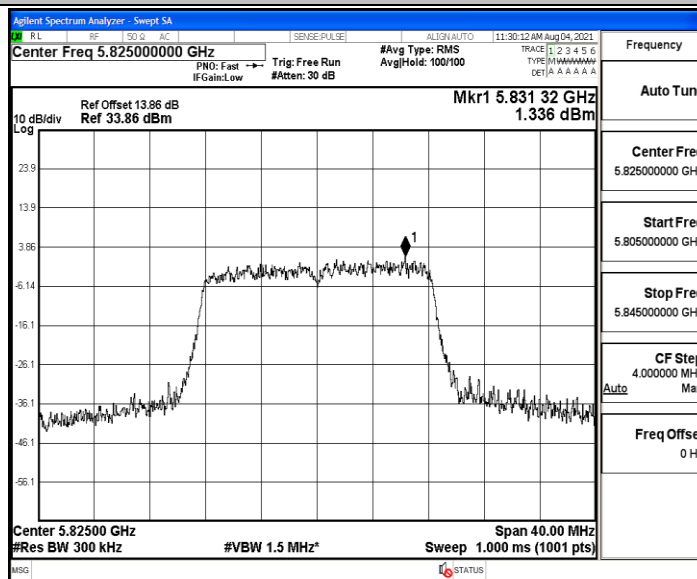
11A_Ant2_5785



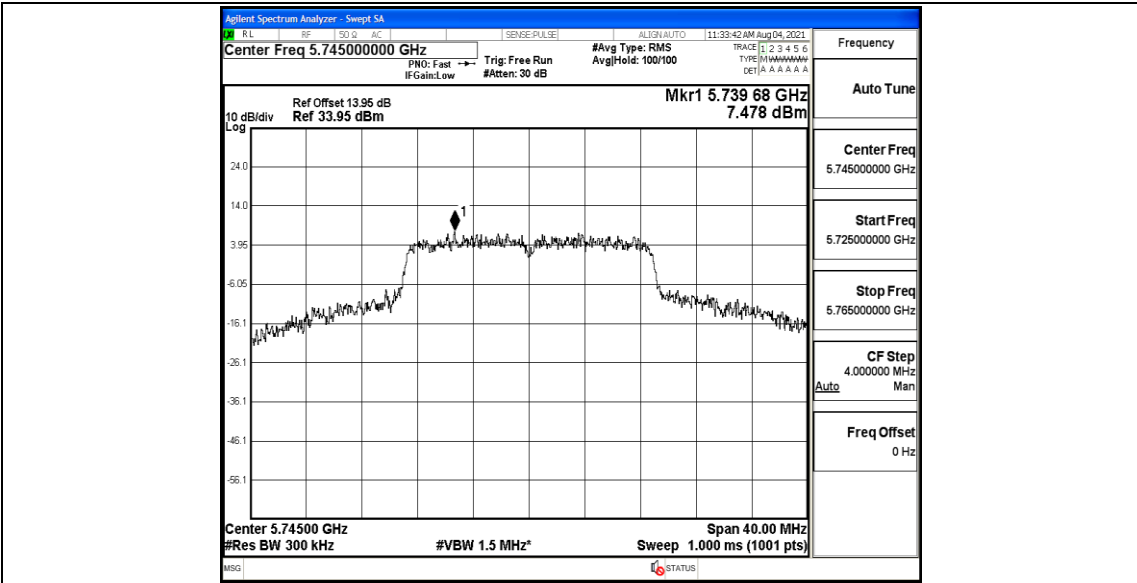
11A_Ant1_5825



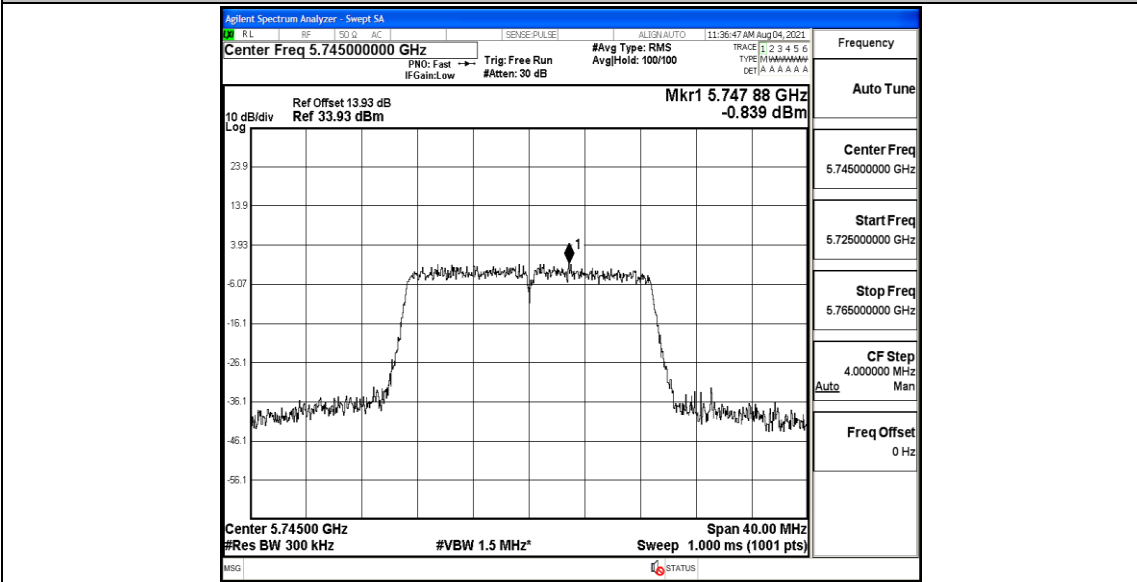
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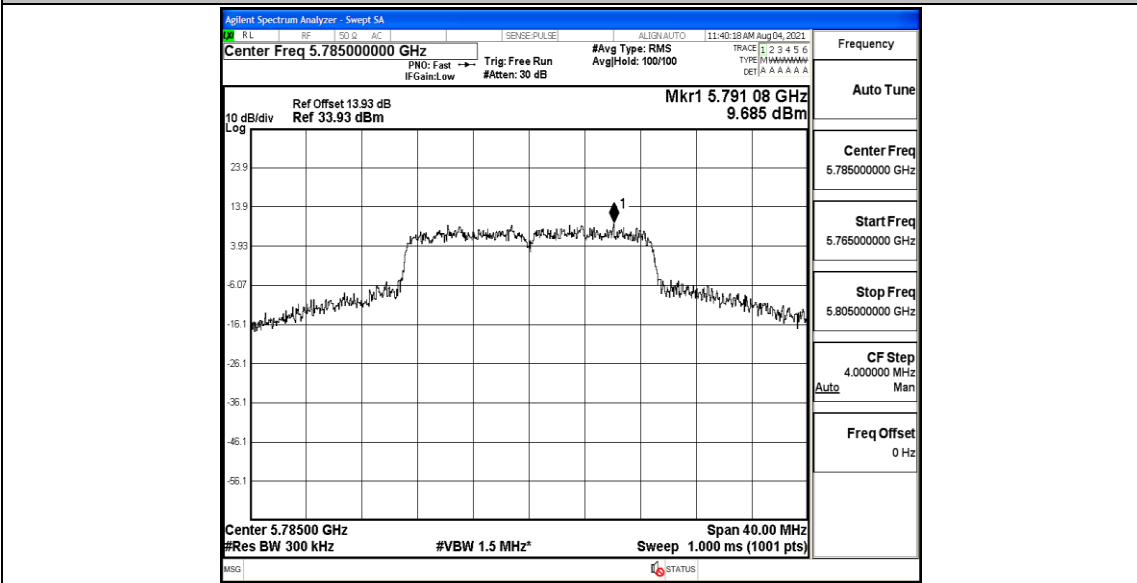
11N20MIMO_Ant1_5745



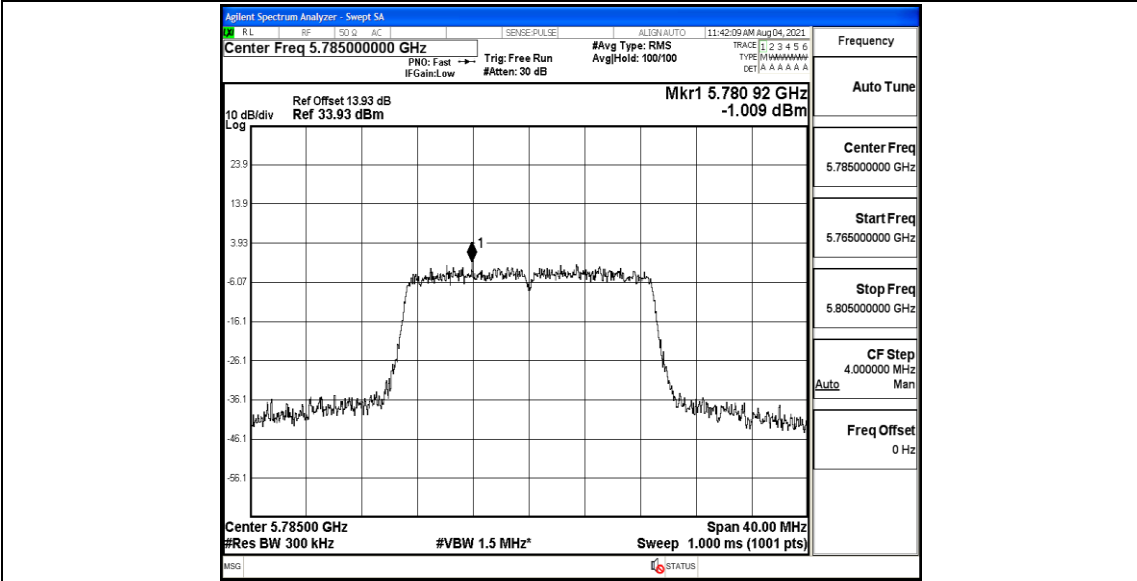
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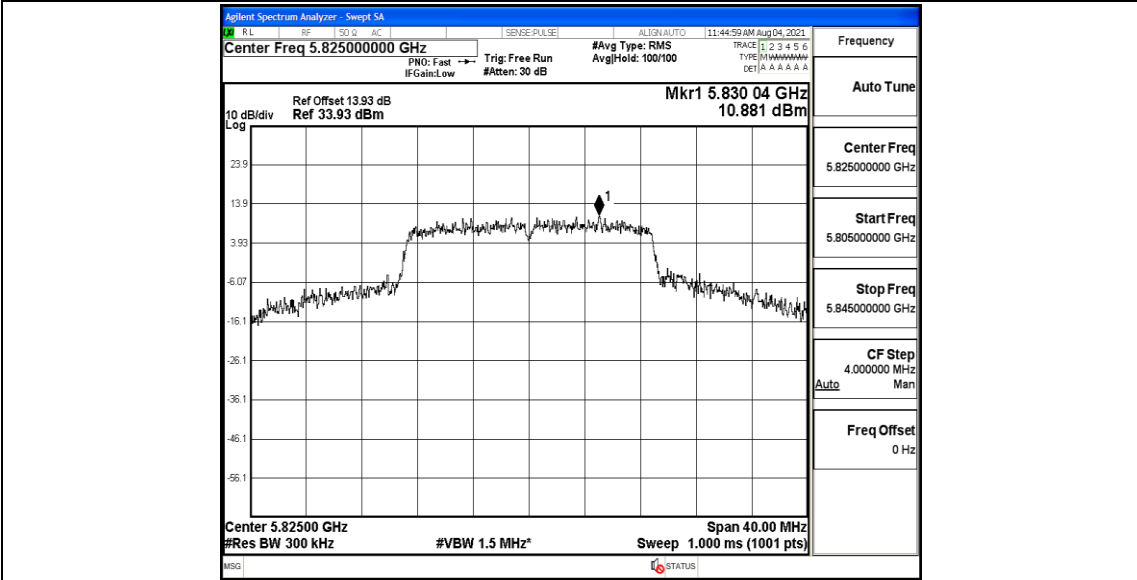
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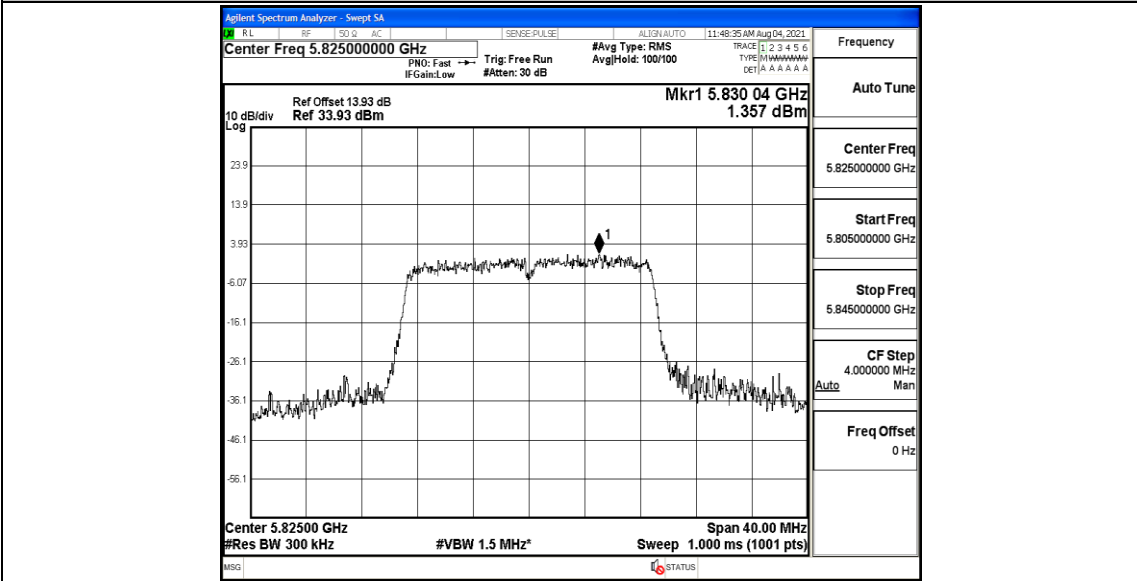
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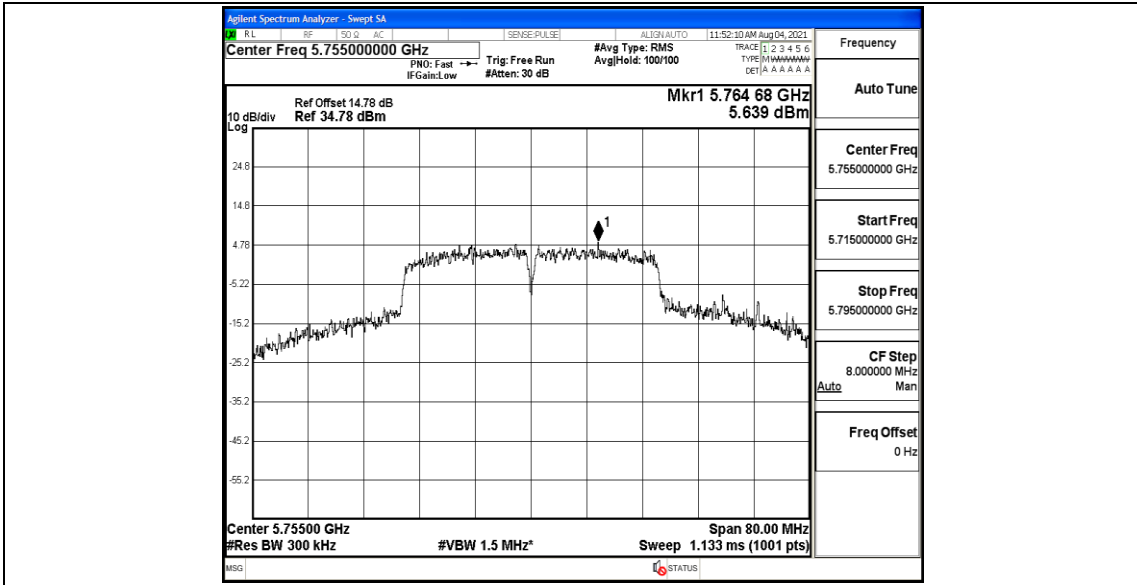
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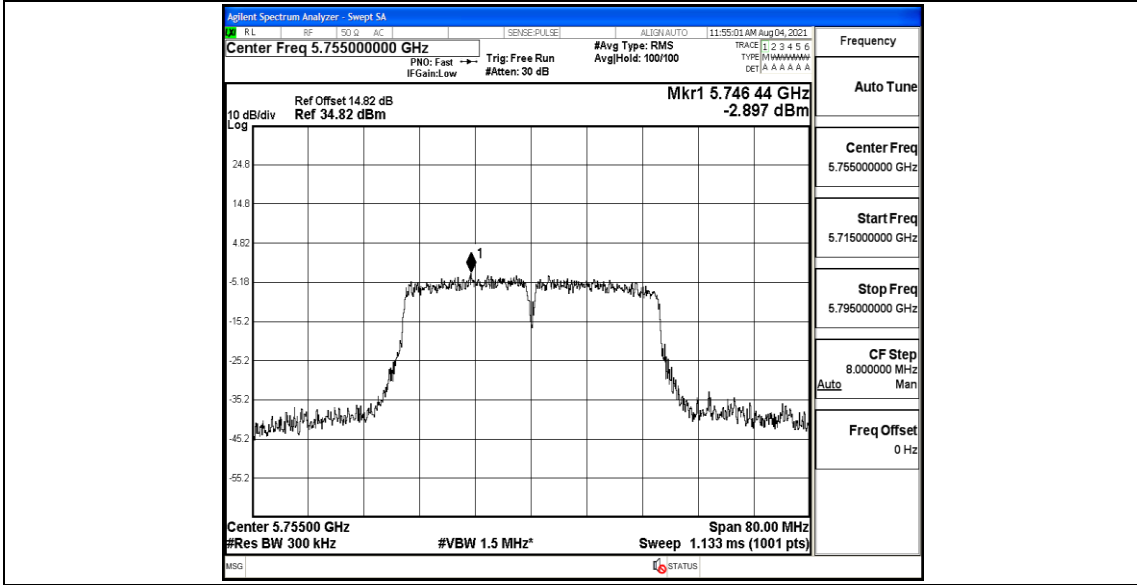
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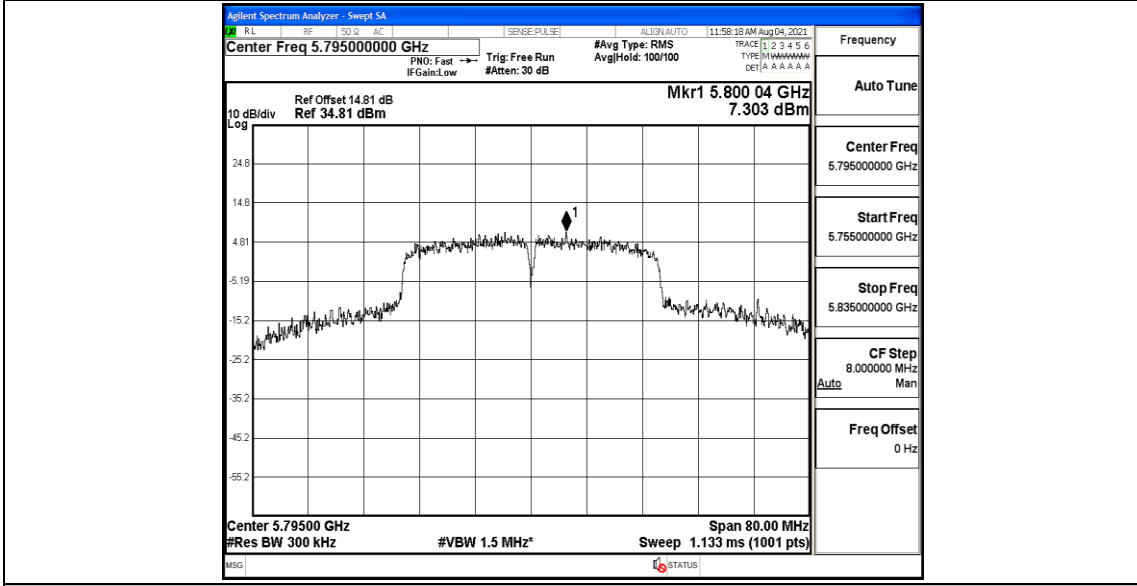
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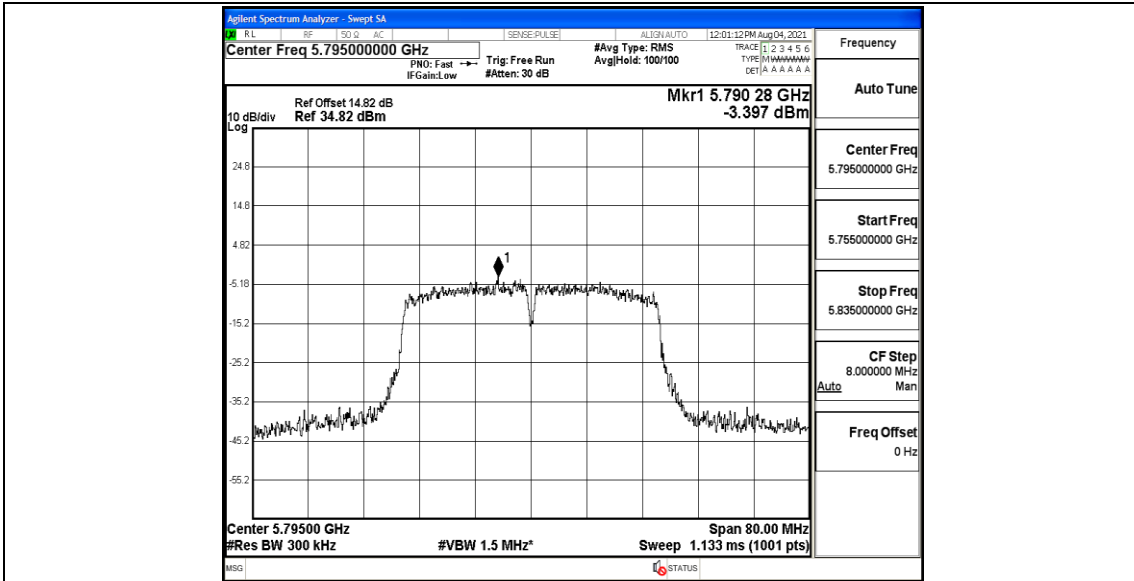
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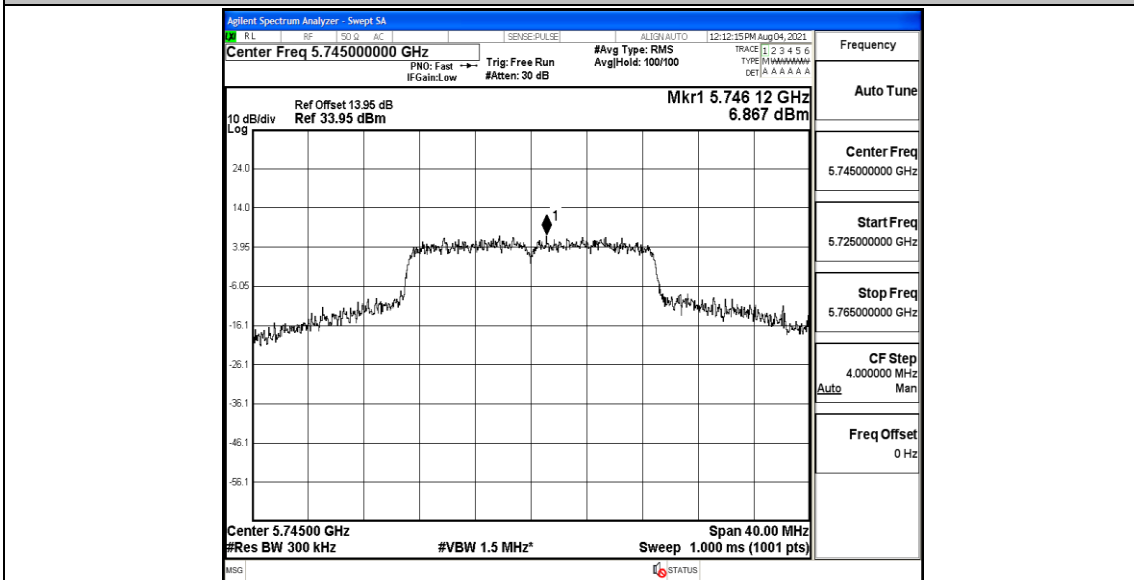
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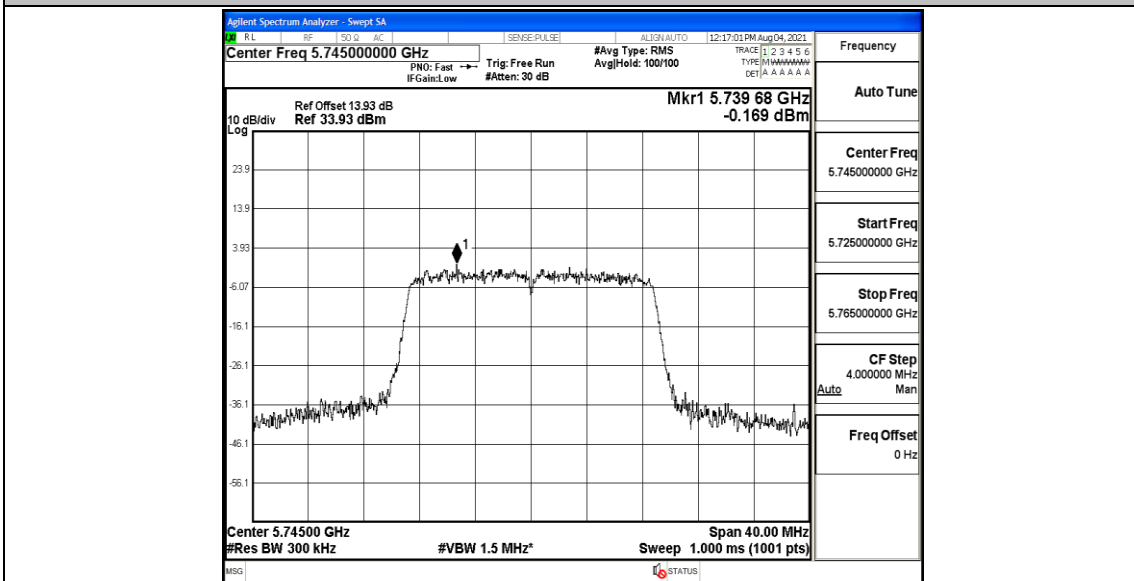
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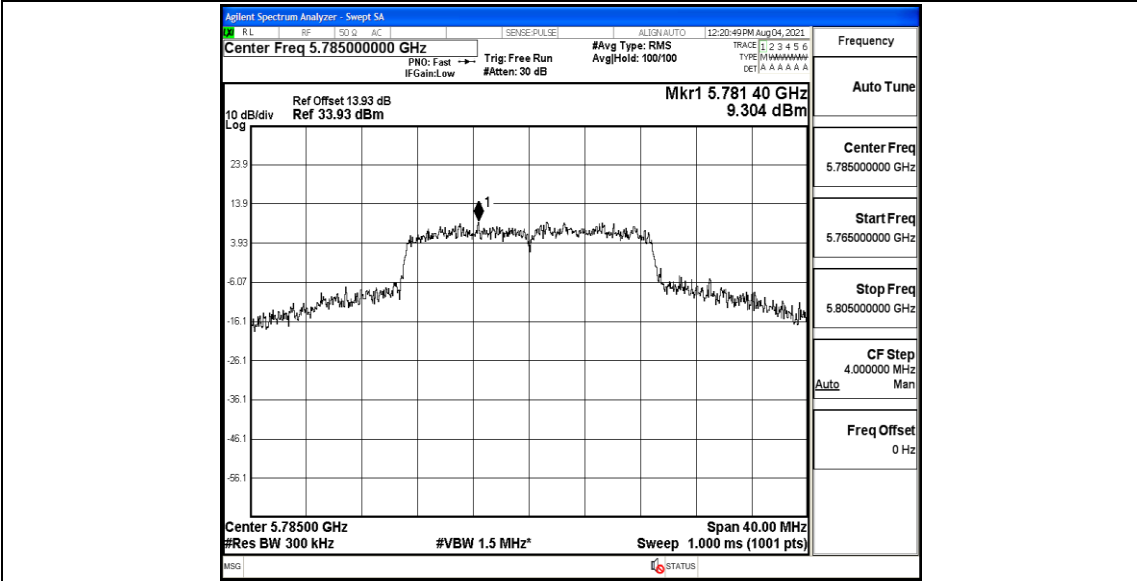
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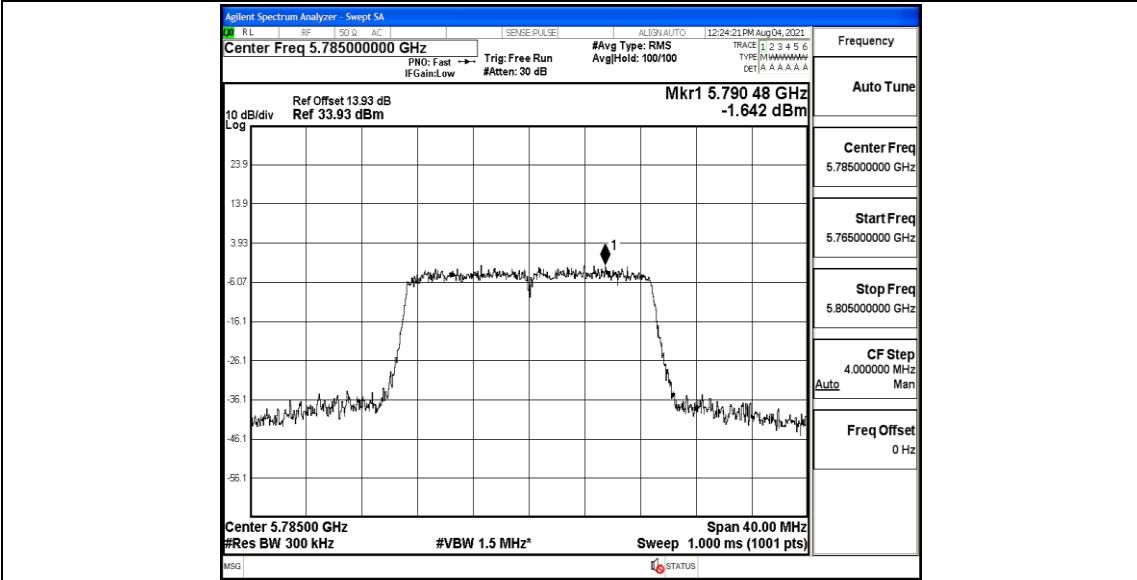
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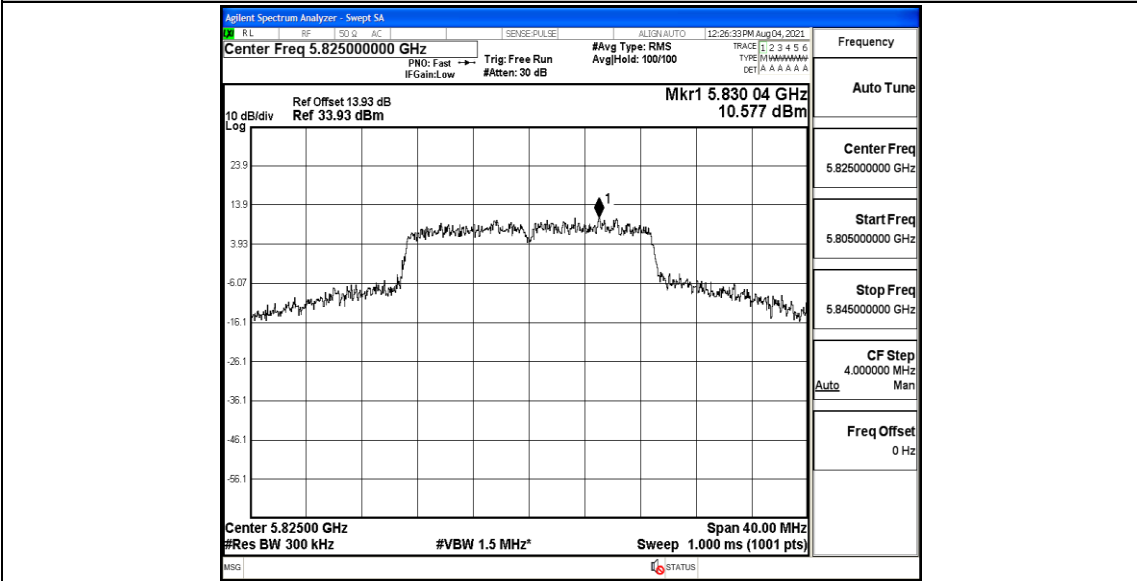
11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825