

11A_Ant1_5825



11A_Ant2_5825



11N20SISO_Ant1_5745



11N20SISO_Ant2_5745



11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755

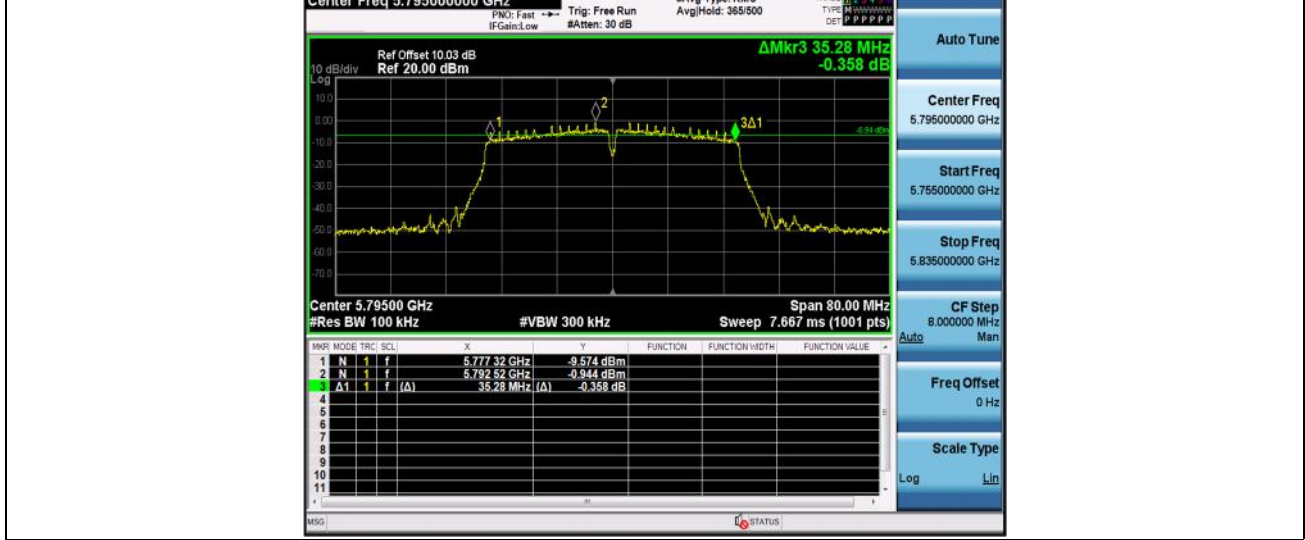


Keysight Spectrum Analyzer - Sweet SA

RL RF 50 Q AC SENSE PULSE ALIGN AUTO/NO RF 11:20:18 AM Sep 01, 2021

Center Freq 7.050000000 GHz #Ave Type: RMS TRACE 0.5 3.4 6.0

Frequency



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5755



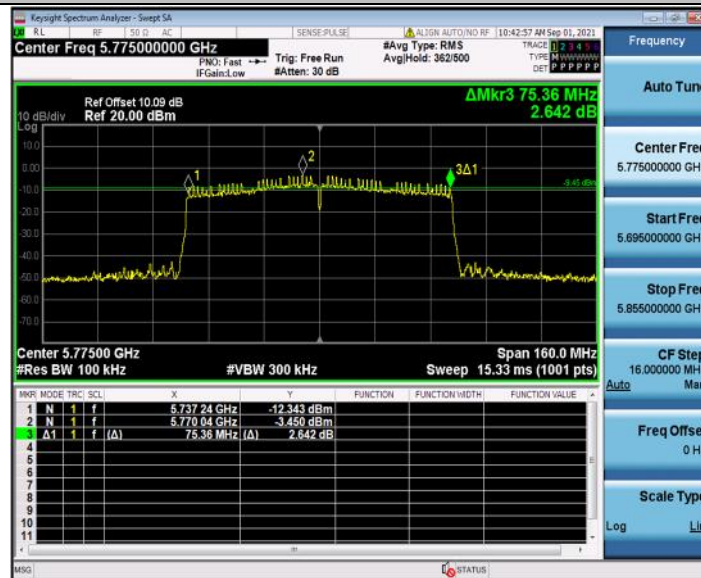
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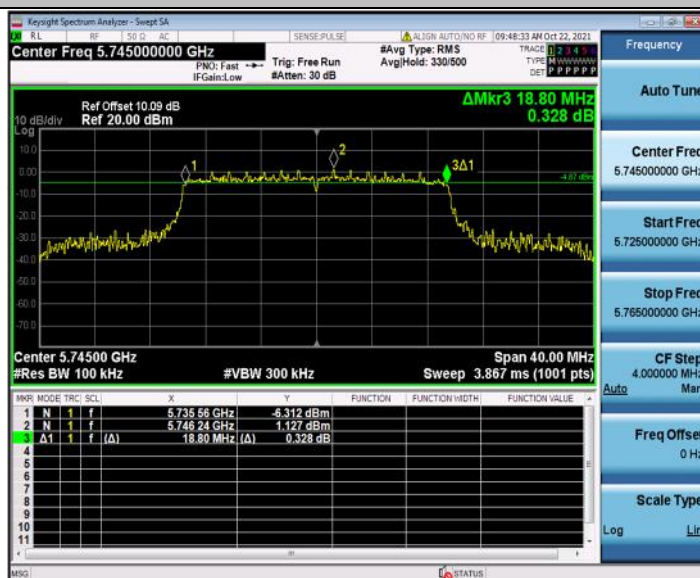
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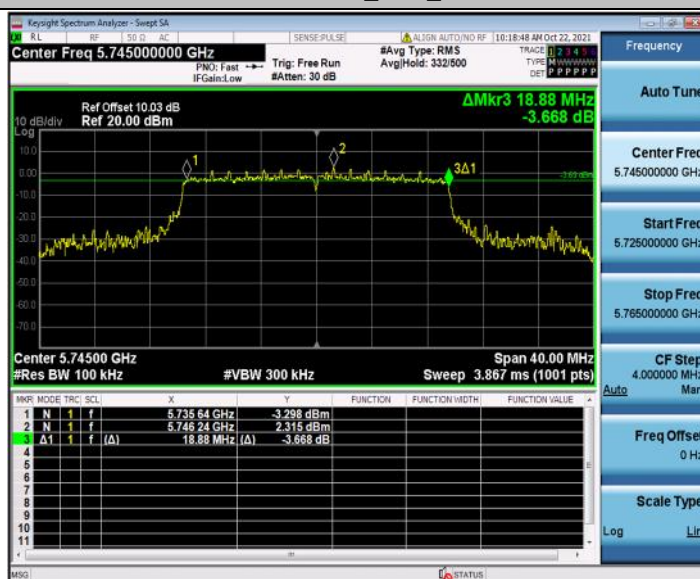
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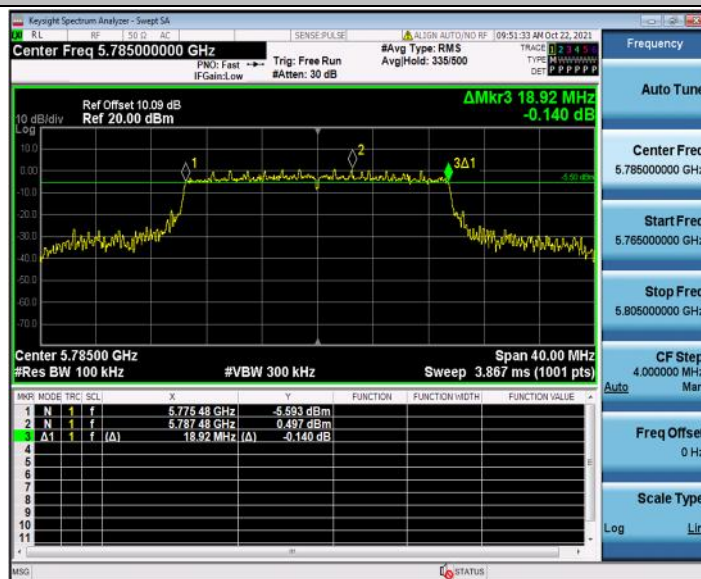
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11AX20SISO_Ant1_5745



11AX20SISO_Ant2_5745



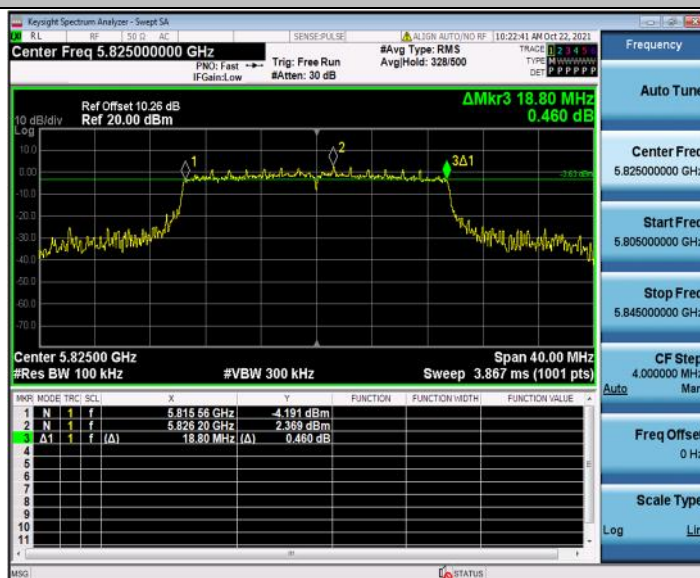
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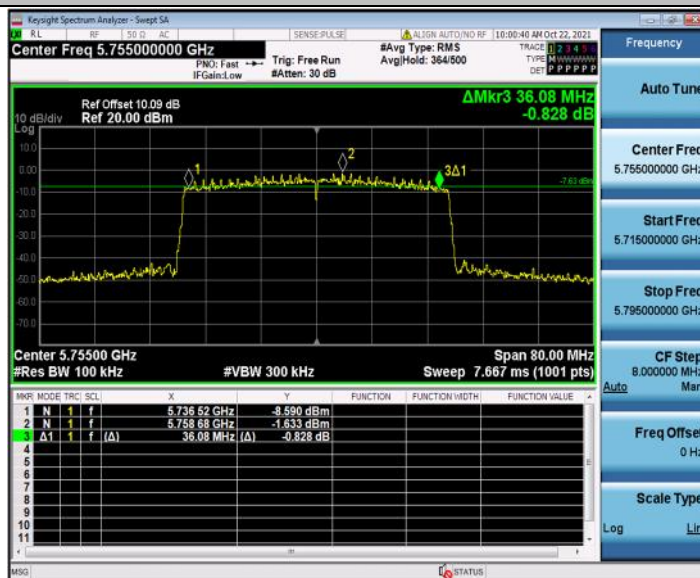
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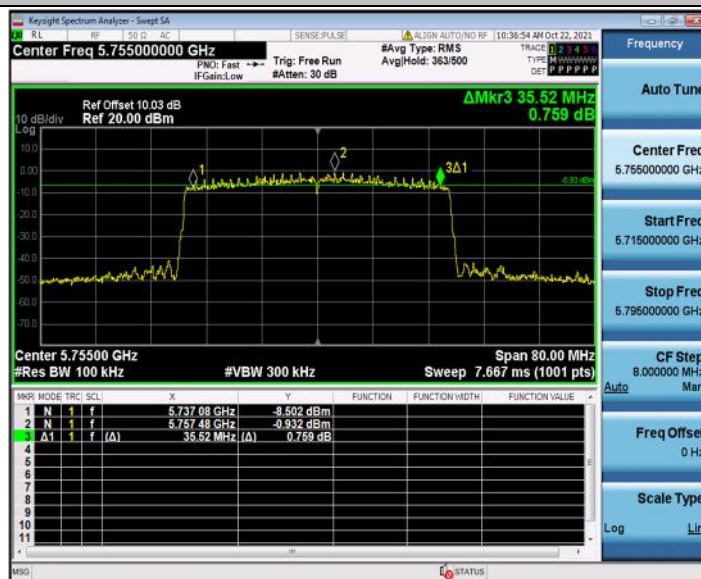
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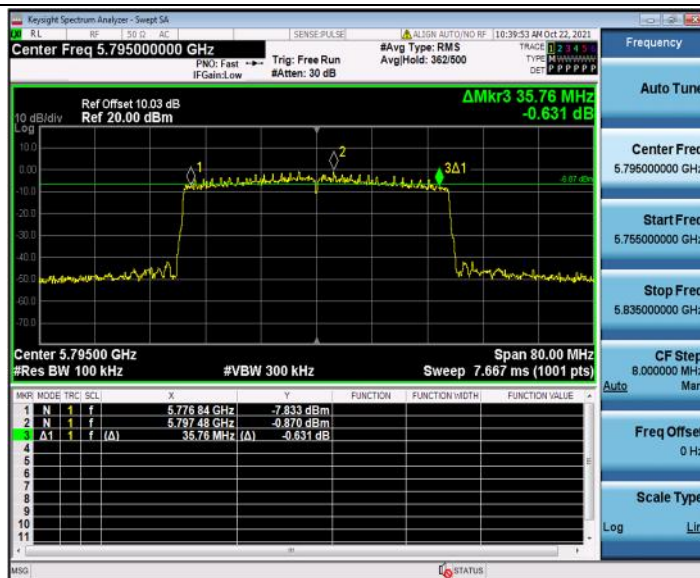
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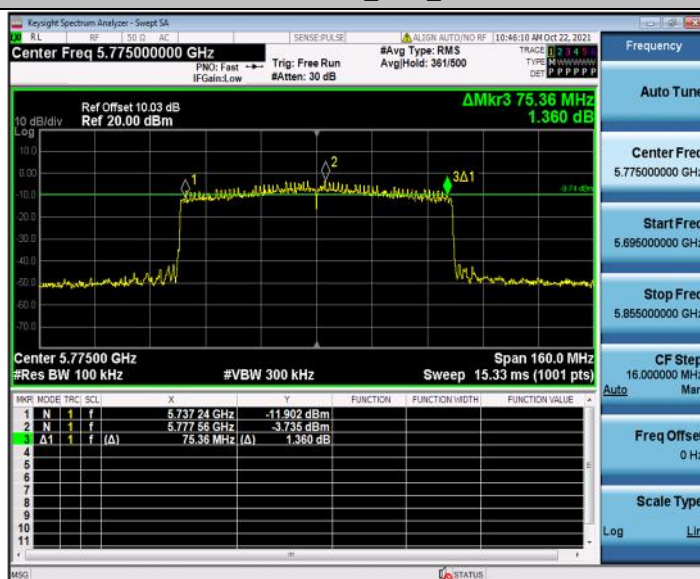
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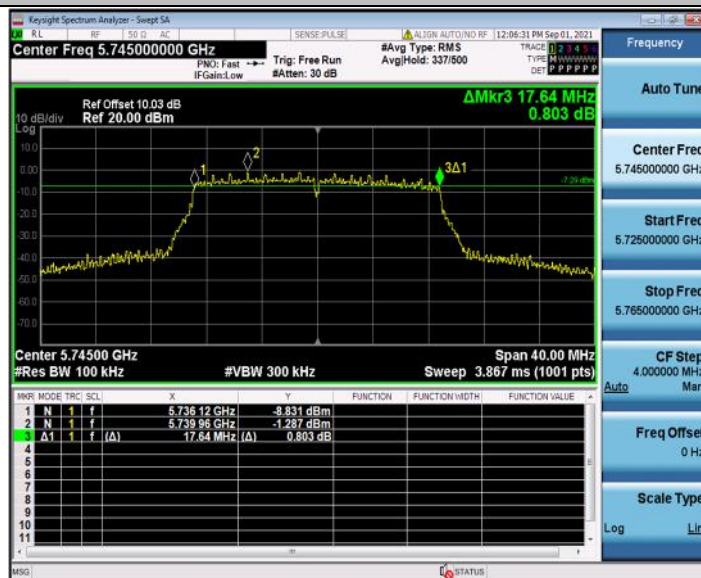
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11AX80SISO_Ant2_5775



11N20MIMO_Ant1_5745



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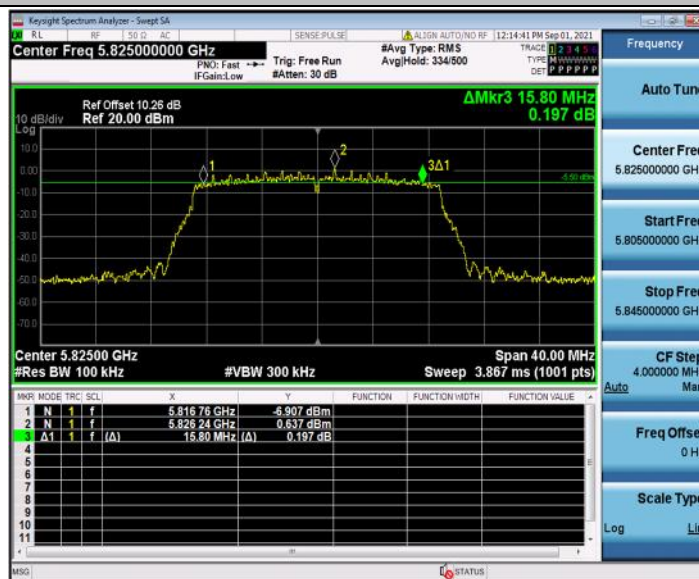
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11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5755



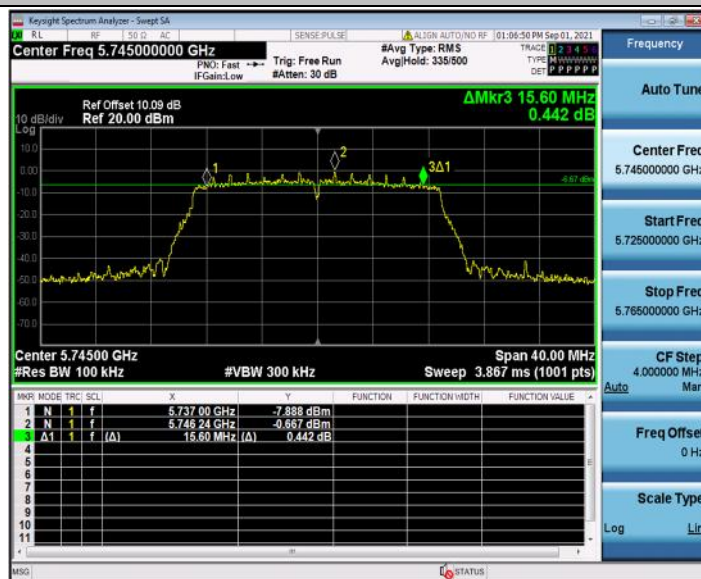
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11N40MIMO_Ant2_5795



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11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



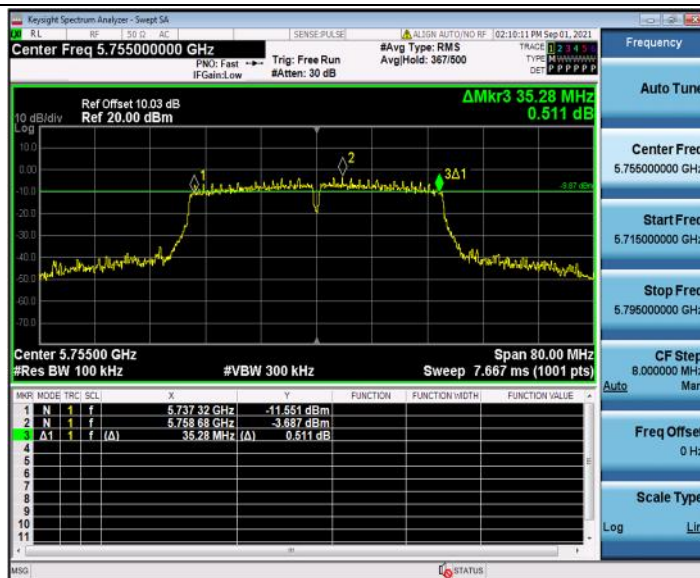
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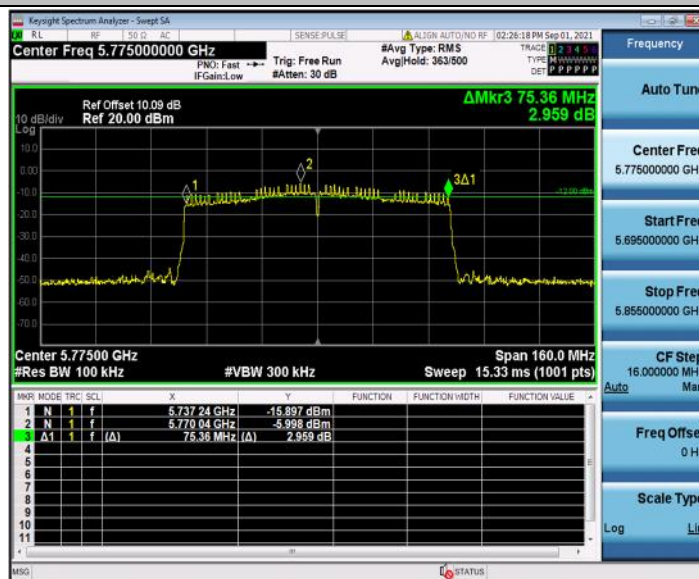
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11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



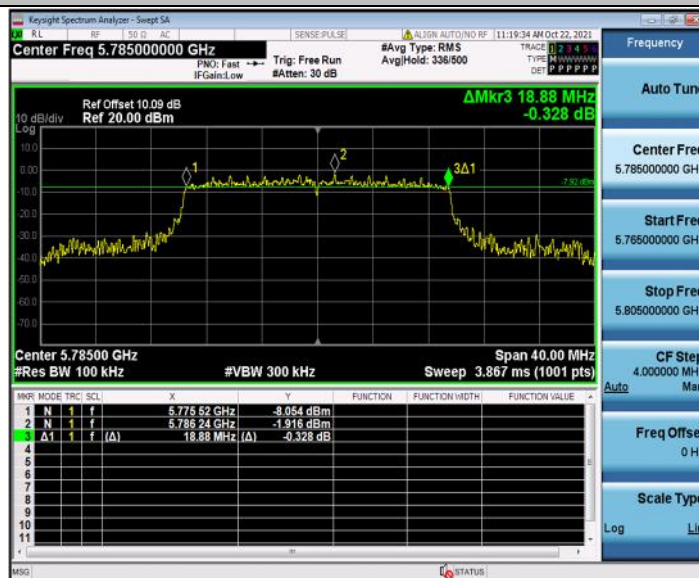
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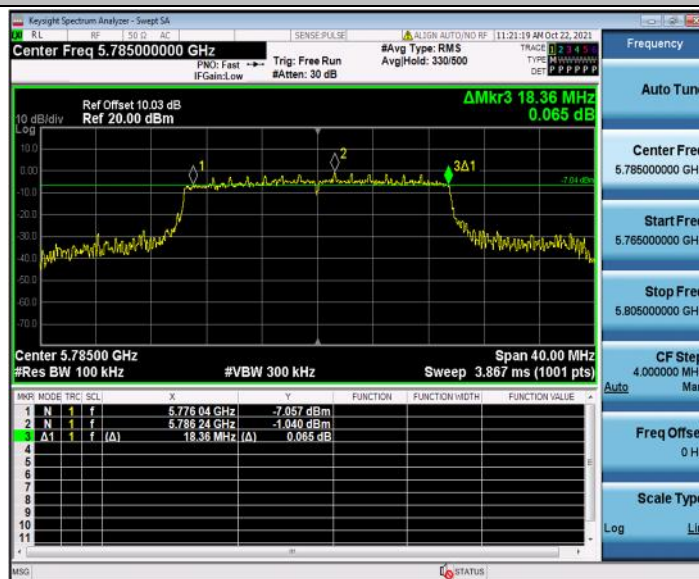
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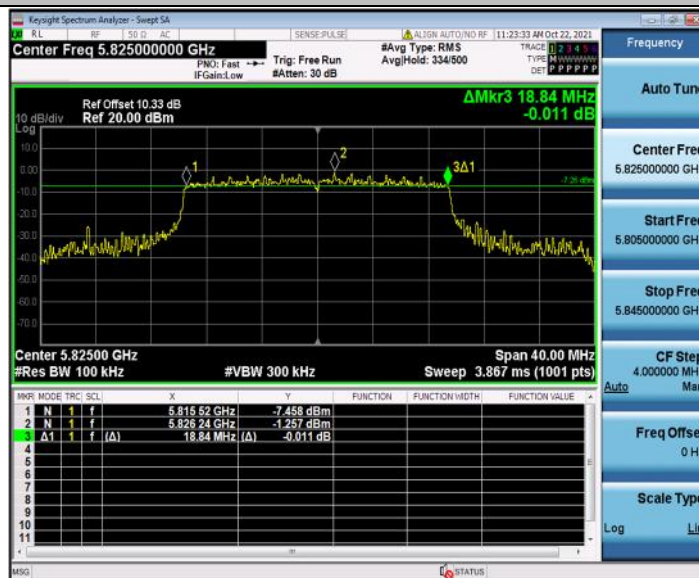
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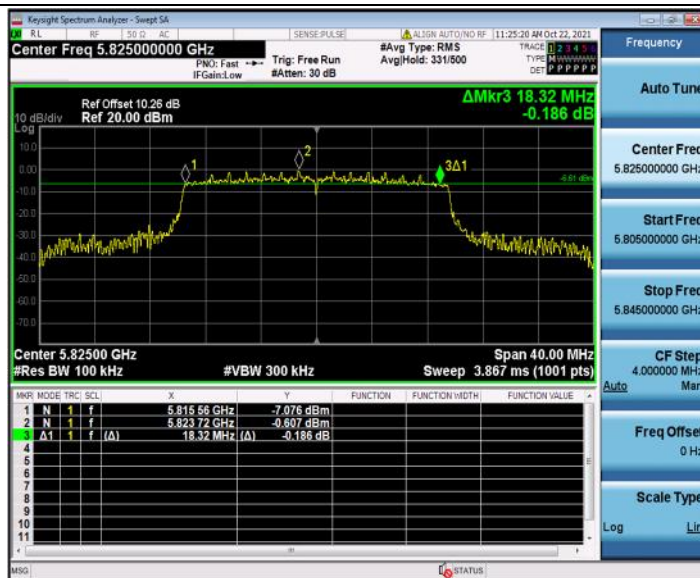
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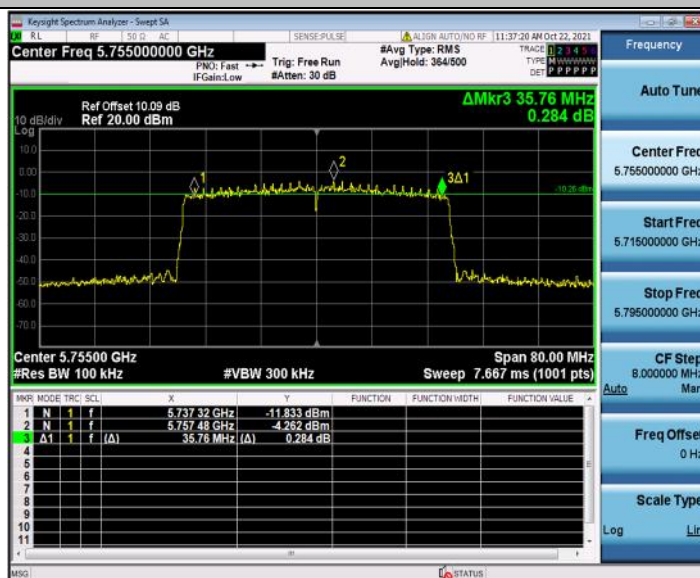
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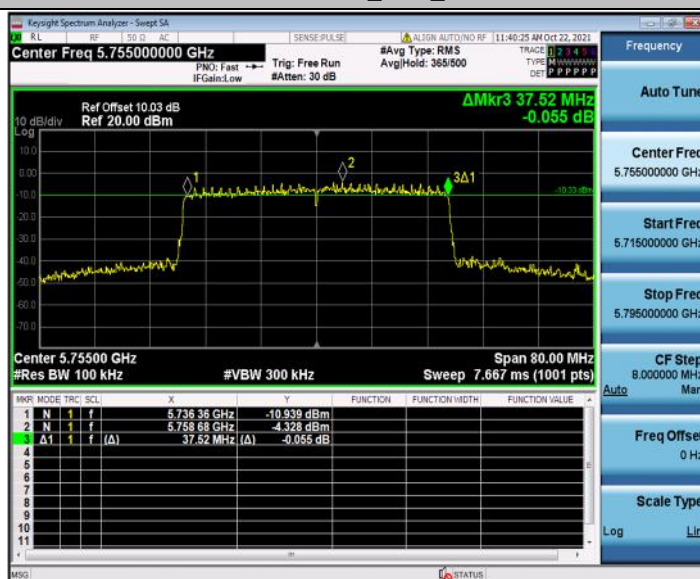
11AX20MIMO_Ant1_5825



11AX20MIMO_Ant2_5825



11AX40MIMO_Ant1_5755



11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775

Appendix B: Maximum conducted output power

Test Result

U-NII 1

Test Condition	TestMode	Channel	Output power[dBm]		Limit [dBm]	Verdict
			Ant1	Ant2		
SISO Mode	11A	5180	12.50	12.34	<=30	PASS
		5200	12.48	12.34	<=30	PASS
		5240	14.54	14.23	<=30	PASS
	11N20SISO	5180	12.34	12.13	<=30	PASS
		5200	12.22	12.25	<=30	PASS
		5240	14.35	14.20	<=30	PASS
	11N40SISO	5190	12.33	12.13	<=30	PASS
		5230	14.34	13.85	<=30	PASS
	11AC20SISO	5180	12.49	12.19	<=30	PASS
		5200	12.41	12.31	<=30	PASS
		5240	14.83	14.30	<=30	PASS
	11AC40SISO	5190	12.57	12.10	<=30	PASS
		5230	14.79	13.95	<=30	PASS
	11AC80SISO	5210	12.55	12.40	<=30	PASS
	11AX20SISO	5180	12.57	12.24	<=30	PASS
		5200	12.58	12.46	<=30	PASS
		5240	14.69	14.42	<=30	PASS
	11AX40SISO	5190	12.53	12.00	<=30	PASS
		5230	14.62	14.10	<=30	PASS
	11AX80SISO	5210	12.70	12.30	<=30	PASS

Test Condition	TestMode	Channel	Output power[dBm]			Limit [dBm]	Verdict
			Ant1	Ant2	Total		
MIMO mode	11n20	5180	9.79	9.32	12.57	<=27.99	PASS
		5200	9.64	9.49	12.58	<=27.99	PASS
		5240	11.59	11.40	14.51	<=27.99	PASS
	11n40	5190	9.54	9.25	12.41	<=27.99	PASS
		5230	11.37	10.98	14.19	<=27.99	PASS
	11AC20	5180	9.77	9.45	12.62	<=27.99	PASS
		5200	9.69	9.62	12.67	<=27.99	PASS
		5240	11.78	11.53	14.67	<=27.99	PASS
	11AC40	5190	9.63	9.35	12.50	<=27.99	PASS
		5230	11.52	11.07	14.31	<=27.99	PASS
	11AC80	5210	9.97	9.71	12.85	<=27.99	PASS
	11AX20	5180	9.79	9.35	12.59	<=27.99	PASS
		5200	9.76	9.56	12.67	<=27.99	PASS

		5240	9.37	11.49	13.57	<=27.99	PASS
	11AX40	5190	9.60	9.17	12.40	<=27.99	PASS
		5230	11.34	11.14	14.25	<=27.99	PASS
	11AX80	5210	9.80	9.43	12.63	<=27.99	PASS

Note: For MIMO mode the directional gain of the antenna is 8.01dbi. the limit reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

U-NII 3

Test Condition	TestMode	Channel	Output power[dBm]		Limit [dBm]	Verdict
			Ant1	Ant2		
SISO Mode	11A	5745	12.04	12.35	<=30	PASS
		5785	11.95	12.58	<=30	PASS
		5825	12.99	13.50	<=30	PASS
	11N20SISO	5745	12.01	12.23	<=30	PASS
		5785	11.92	12.48	<=30	PASS
		5825	13.02	13.43	<=30	PASS
	11N40SISO	5755	11.93	12.21	<=30	PASS
		5795	11.63	12.04	<=30	PASS
	11AC20SISO	5745	12.64	12.33	<=30	PASS
		5785	12.28	12.75	<=30	PASS
		5825	13.38	13.70	<=30	PASS
	11AC40SISO	5755	12.07	12.55	<=30	PASS
		5795	12.02	12.41	<=30	PASS
	11AC80SISO	5775	12.13	12.41	<=30	PASS
	11AX20SISO	5745	12.09	13.28	<=30	PASS
		5785	11.95	12.80	<=30	PASS
		5825	12.85	13.40	<=30	PASS
	11AX40SISO	5755	11.77	12.46	<=30	PASS
		5795	11.28	12.31	<=30	PASS
	11AX80SISO	5775	11.46	12.59	<=30	PASS

Test Condition	TestMode	Channel	Output power[dBm]			Limit [dBm]	Verdict
			Ant1	Ant2	Total		
MIMO mode	11n20	5745	9.71	9.68	12.71	<=27.99	PASS
		5785	9.65	9.90	12.79	<=27.99	PASS
		5825	10.63	10.80	13.73	<=27.99	PASS
	11n40	5755	9.54	9.67	12.62	<=27.99	PASS
		5795	9.31	9.58	12.46	<=27.99	PASS
	11AC20	5745	9.74	9.83	12.80	<=27.99	PASS
		5785	9.63	9.79	12.72	<=27.99	PASS
		5825	10.70	11.01	13.87	<=27.99	PASS
	11AC40	5755	9.54	9.74	12.65	<=27.99	PASS
		5795	9.36	9.73	12.56	<=27.99	PASS

	11AC80	5775	9.41	9.87	12.66	<=27.99	PASS
	11AX20	5745	9.27	10.06	12.69	<=27.99	PASS
		5785	9.08	10.01	12.58	<=27.99	PASS
		5825	9.74	10.61	13.21	<=27.99	PASS
	11AX40	5755	8.93	9.59	12.28	<=27.99	PASS
		5795	8.70	9.34	12.04	<=27.99	PASS
	11AX80	5775	8.96	9.58	12.29	<=27.99	PASS

Note: For MIMO mode the directional gain of the antenna is 8.01dbi. the limit reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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

Test Graphs



11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



11A_Ant2_5200



11A_Ant1_5240



11A_Ant2_5240



11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



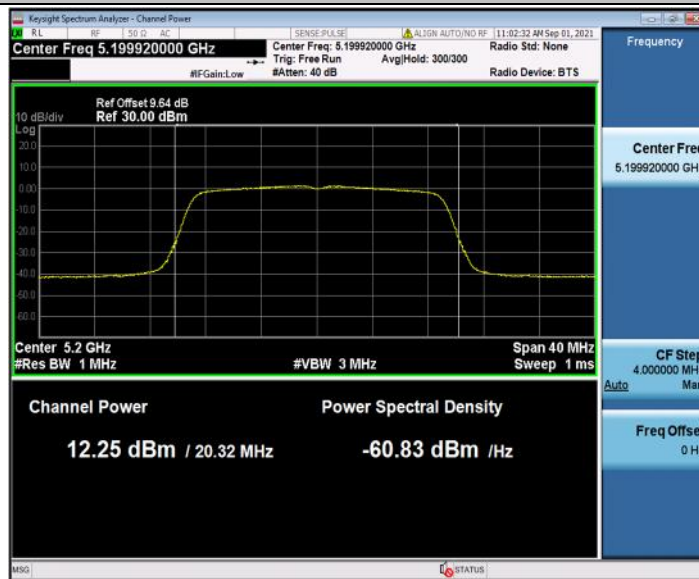
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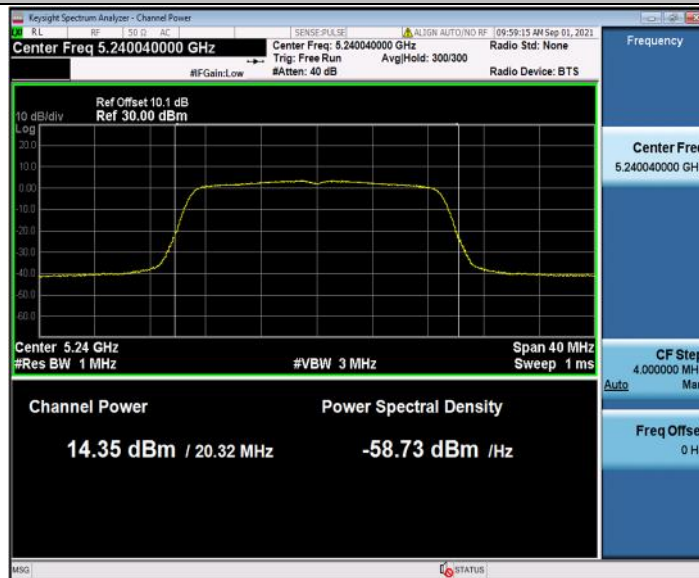
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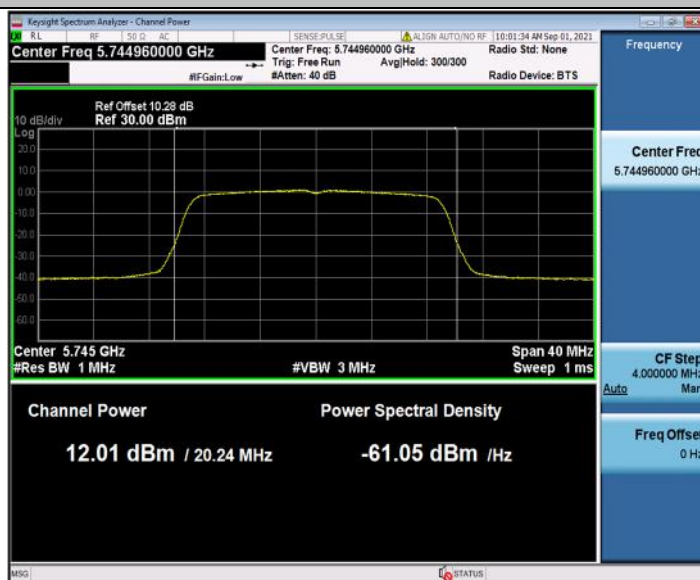
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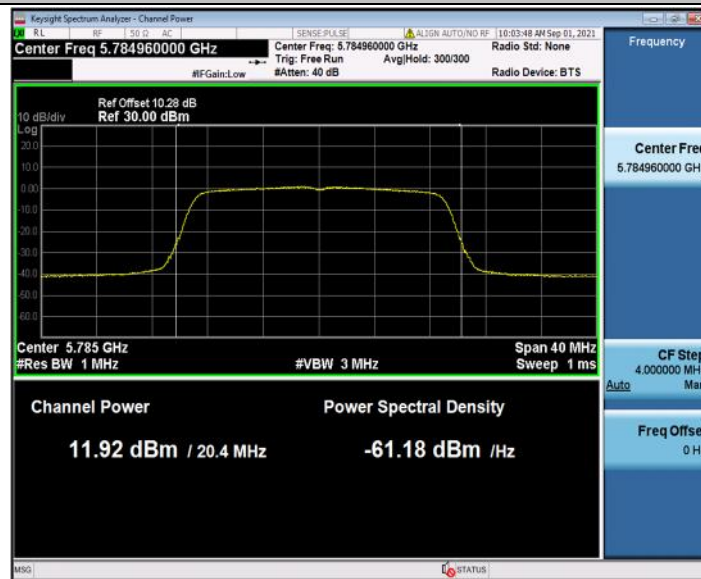
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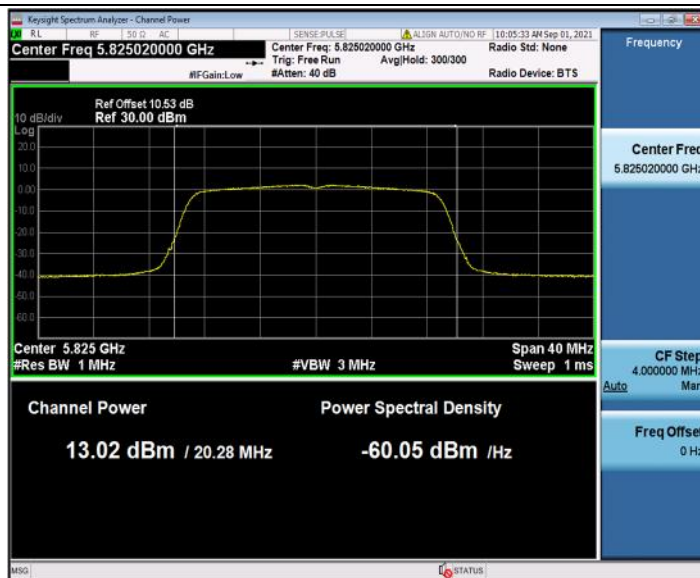
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11N20SISO_Ant1_5785



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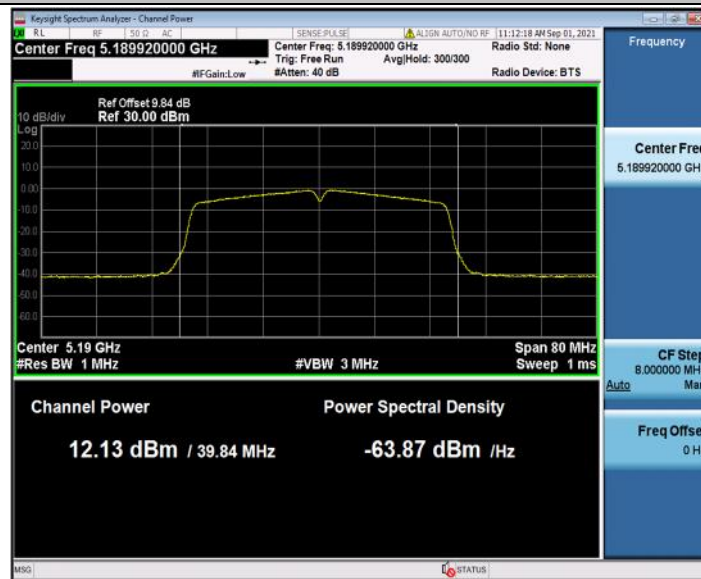
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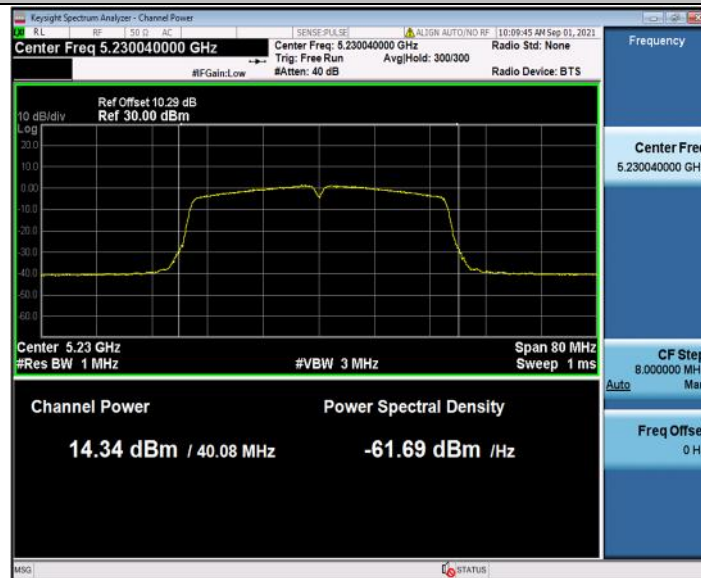
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11N40SISO_Ant1_5190



11N40SISO_Ant2_5190



11N40SISO_Ant1_5230



11N40SISO_Ant2_5230



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



11N40SISO_Ant2_5795