



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix A.4: Test Results of Maximum output power*Test Result*

TestMode	Antenna	Channel	Result[dBm] Conducted Power	Limit[dBm]	Verdict
11A	Ant1	5180	16.25	≤23.98	PASS
		5200	17.03	≤23.98	PASS
		5240	15.88	≤23.98	PASS
		5260	17.82	≤23.98	PASS
		5280	17.83	≤23.98	PASS
		5320	17.58	≤23.98	PASS
		5500	15.16	≤23.98	PASS
		5580	17.19	≤23.98	PASS
		5700	11.39	≤23.98	PASS
		5745	14.57	≤30.00	PASS
		5785	14.99	≤30.00	PASS
		5825	13.88	≤30.00	PASS
11N20SISO	Ant1	5180	15.95	≤23.98	PASS
		5200	16.32	≤23.98	PASS
		5240	16.96	≤23.98	PASS
		5260	16.96	≤23.98	PASS
		5280	16.94	≤23.98	PASS
		5320	14.76	≤23.98	PASS
		5500	15.88	≤23.98	PASS
		5580	16.81	≤23.98	PASS
		5700	11.13	≤23.98	PASS
		5745	14.07	≤30.00	PASS
		5785	13.71	≤30.00	PASS
		5825	13.45	≤30.00	PASS
11N40SISO	Ant1	5190	14.47	≤23.98	PASS
		5230	16.91	≤23.98	PASS
		5270	16.91	≤23.98	PASS
		5310	14.96	≤23.98	PASS
		5510	14.12	≤23.98	PASS
		5550	17.08	≤23.98	PASS
		5670	11.15	≤23.98	PASS
		5755	14.38	≤30.00	PASS
		5795	13.83	≤30.00	PASS
11AC20SISO	Ant1	5180	16.00	≤23.98	PASS
		5200	16.17	≤23.98	PASS
		5240	17.17	≤23.98	PASS
		5260	16.84	≤23.98	PASS
		5280	15.68	≤23.98	PASS
		5320	14.95	≤23.98	PASS
		5500	16.08	≤23.98	PASS
		5580	16.87	≤23.98	PASS
		5700	11.32	≤23.98	PASS
		5745	14.05	≤30.00	PASS
		5785	13.97	≤30.00	PASS
		5825	13.45	≤30.00	PASS
11AC40SISO	Ant1	5190	16.19	≤23.98	PASS
		5230	16.82	≤23.98	PASS
		5270	17.38	≤23.98	PASS
		5310	14.77	≤23.98	PASS
		5510	14.05	≤23.98	PASS
		5550	16.81	≤23.98	PASS
		5670	11.11	≤23.98	PASS
		5755	14.11	≤30.00	PASS
		5795	13.84	≤30.00	PASS
11AX20SISO	Ant1	5180	15.32	≤23.98	PASS
		5200	16.39	≤23.98	PASS
		5240	16.61	≤23.98	PASS

		5260	15.57	≤23.98	PASS
		5280	16.09	≤23.98	PASS
		5320	14.65	≤23.98	PASS
		5500	15.56	≤23.98	PASS
		5580	16.92	≤23.98	PASS
		5700	11.05	≤23.98	PASS
		5745	14.35	≤30.00	PASS
		5785	13.64	≤30.00	PASS
		5825	13.23	≤30.00	PASS
11AX40SISO	Ant1	5190	16.15	≤23.98	PASS
		5230	16.90	≤23.98	PASS
		5270	16.81	≤23.98	PASS
		5310	14.65	≤23.98	PASS
		5510	14.08	≤23.98	PASS
		5550	17.00	≤23.98	PASS
		5670	11.09	≤23.98	PASS
		5755	14.21	≤30.00	PASS
		5795	13.92	≤30.00	PASS

Antenna gain(G): 1.79dBi for 5GHz Wi-Fi

U-NII-1 EIRP Limit: 10+10log(OBW)

U-NII-2A , U-NII-2A EIRP Limit: 17+10log(OBW)

The U-NII-1 max. EIRP is 17.17 dBm +1.79 dBi=18.96dBm, which is less than EIRP Limit: 22.36dBm

The U-NII-2A max. EIRP is 17.83 dBm +1.79 dBi=19.62dBm, which is less than EIRP Limit: 29.37dBm

The U-NII-2C max. EIRP is 17.19 dBm +1.79 dBi=18.98dBm, which is less than EIRP Limit: 29.40dBm

Appendix A.5: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.04	≤11.00	PASS
		5200	3.45	≤11.00	PASS
		5240	3.90	≤11.00	PASS
		5260	4.01	≤11.00	PASS
		5280	4.30	≤11.00	PASS
		5320	3.53	≤11.00	PASS
		5500	4.44	≤11.00	PASS
		5580	3.62	≤11.00	PASS
		5700	1.95	≤11.00	PASS
		5745	-1.61	≤30.00	PASS
		5785	-1.15	≤30.00	PASS
11N20SISO	Ant1	5825	-2.27	≤30.00	PASS
		5180	2.23	≤11.00	PASS
		5200	3.02	≤11.00	PASS
		5240	3.46	≤11.00	PASS
		5260	3.82	≤11.00	PASS
		5280	3.10	≤11.00	PASS
		5320	3.00	≤11.00	PASS
		5500	3.09	≤11.00	PASS
		5580	3.27	≤11.00	PASS
		5700	1.08	≤11.00	PASS
		5745	-1.75	≤30.00	PASS
11N40SISO	Ant1	5785	-2.39	≤30.00	PASS
		5825	-3.17	≤30.00	PASS
		5190	-0.35	≤11.00	PASS
		5230	0.85	≤11.00	PASS
		5270	0.11	≤11.00	PASS
		5310	-0.04	≤11.00	PASS
		5510	-0.13	≤11.00	PASS
		5550	0.28	≤11.00	PASS
		5670	-1.01	≤11.00	PASS
		5755	-4.60	≤30.00	PASS
		5795	-5.59	≤30.00	PASS
11AC20SISO	Ant1	5180	1.97	≤11.00	PASS
		5200	2.62	≤11.00	PASS
		5240	3.16	≤11.00	PASS
		5260	2.97	≤11.00	PASS
		5280	2.31	≤11.00	PASS
		5320	2.13	≤11.00	PASS
		5500	2.78	≤11.00	PASS
		5580	3.11	≤11.00	PASS
		5700	1.23	≤11.00	PASS
		5745	-1.97	≤30.00	PASS
		5785	-2.50	≤30.00	PASS
11AC40SISO	Ant1	5825	-3.17	≤30.00	PASS
		5190	-0.21	≤11.00	PASS
		5230	0.61	≤11.00	PASS
		5270	0.82	≤11.00	PASS
		5310	-0.01	≤11.00	PASS
		5510	-0.03	≤11.00	PASS
		5550	0.12	≤11.00	PASS
		5670	-0.17	≤11.00	PASS
		5755	-4.74	≤30.00	PASS
		5795	-5.44	≤30.00	PASS
11AX20SISO	Ant1	5180	1.97	≤11.00	PASS
		5200	2.89	≤11.00	PASS
		5240	3.29	≤11.00	PASS

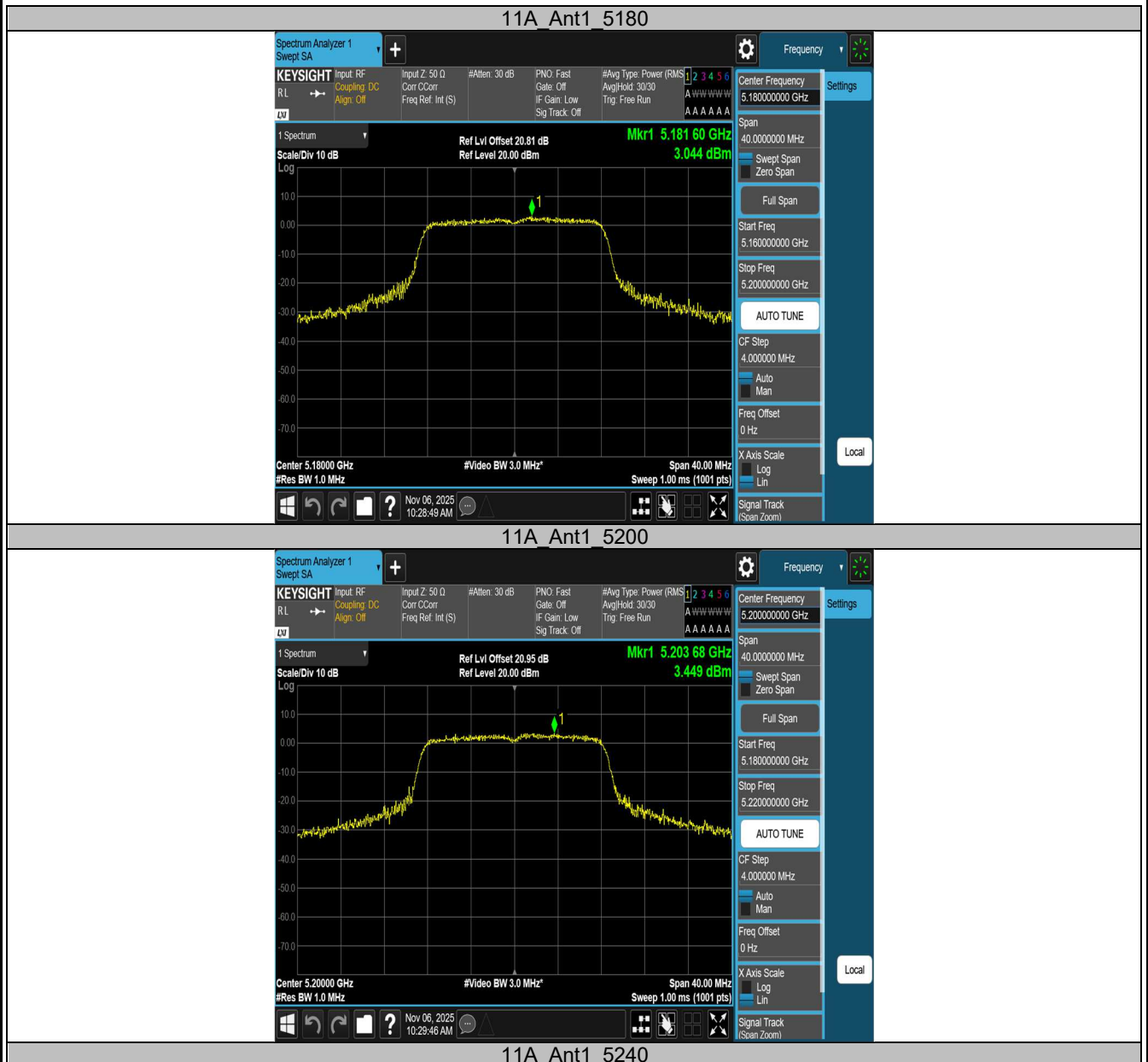
		5260	2.39	≤11.00	PASS
		5280	2.60	≤11.00	PASS
		5320	2.01	≤11.00	PASS
		5500	2.69	≤11.00	PASS
		5580	3.66	≤11.00	PASS
		5700	1.39	≤11.00	PASS
		5745	-1.80	≤30.00	PASS
		5785	-2.01	≤30.00	PASS
		5825	-3.11	≤30.00	PASS
11AX40SISO	Ant1	5190	-0.16	≤11.00	PASS
		5230	0.31	≤11.00	PASS
		5270	0.05	≤11.00	PASS
		5310	-0.17	≤11.00	PASS
		5510	-0.43	≤11.00	PASS
		5550	0.57	≤11.00	PASS
		5670	-0.21	≤11.00	PASS
		5755	-4.88	≤30.00	PASS
		5795	-5.08	≤30.00	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.

Antenna gain(G): 1.79dBi for 5GHz Wi-Fi

The U-NII-1 max. EIRP is 3.90 dBm/MHz +1.79 dBi=5.69 dBm/MHz, which is less than EIRP Limit: 10 dBm/MHz

Test Graphs





11A_Ant1_5260



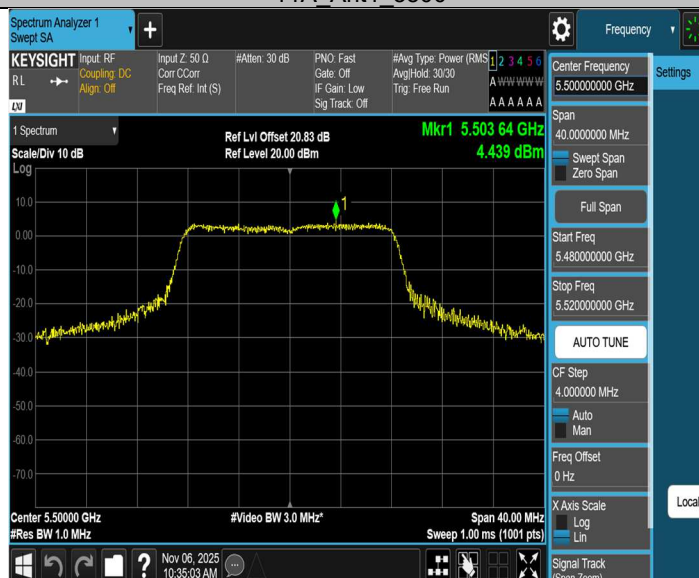
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11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO Ant1 5180



11N20SISO Ant1 5200



11N20SISO Ant1 5240



11N20SISO Ant1 5260



11N20SISO Ant1 5280



11N20SISO Ant1 5320



11N20SISO Ant1 5500



11N20SISO Ant1 5580



11N20SISO Ant1 5700



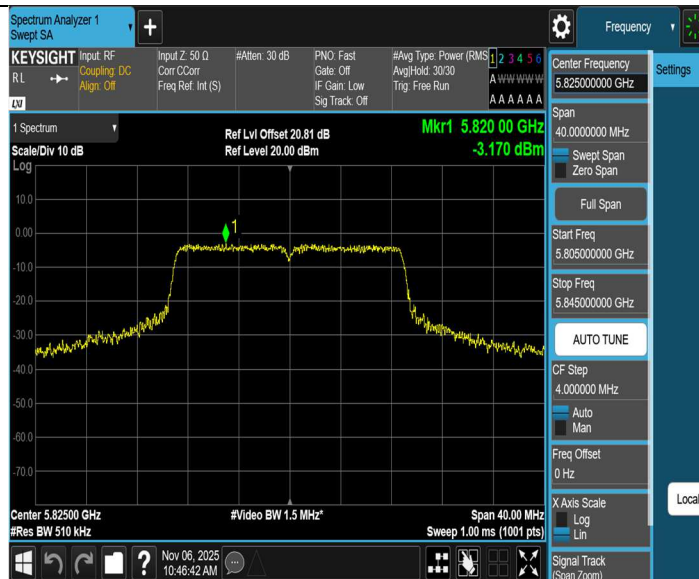
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11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO Ant1 5230



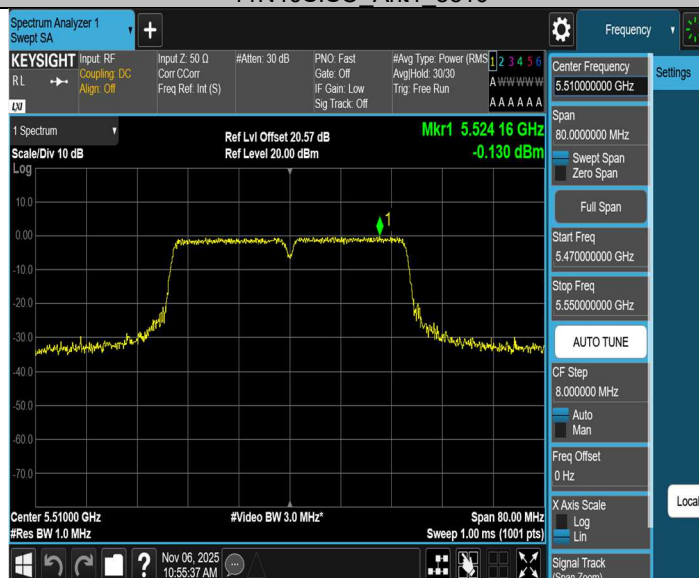
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11N40SISO Ant1 5310



11N40SISO Ant1 5510



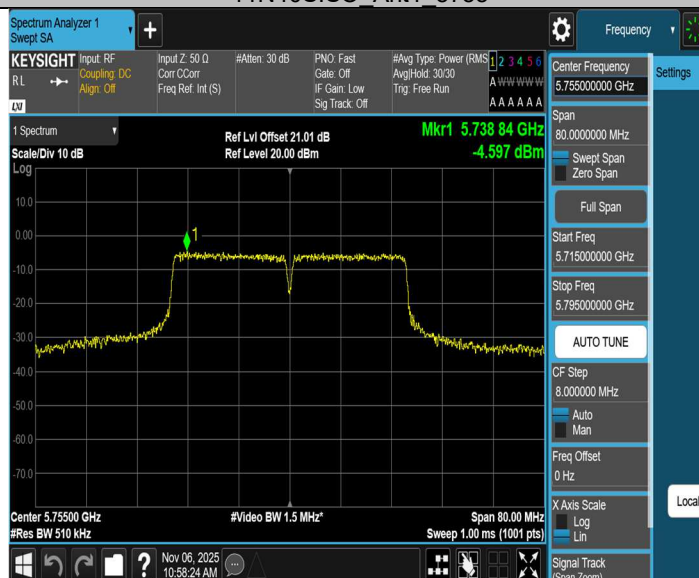
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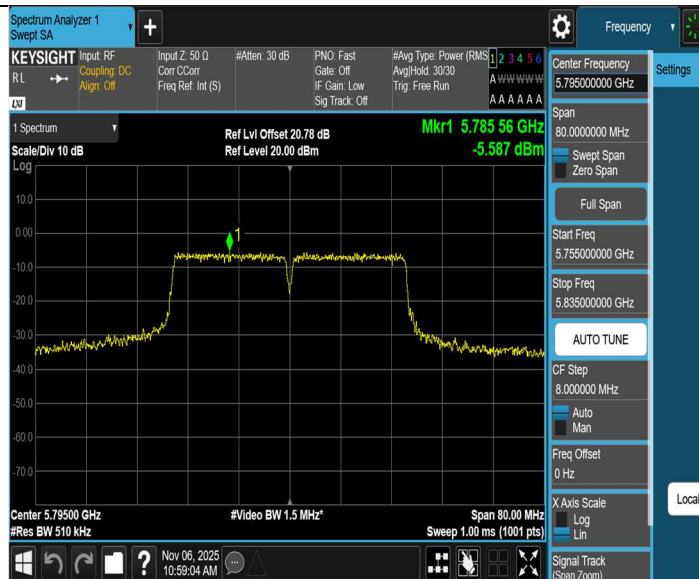
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11N40SISO Ant1 5755



11N40SISO Ant1 5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



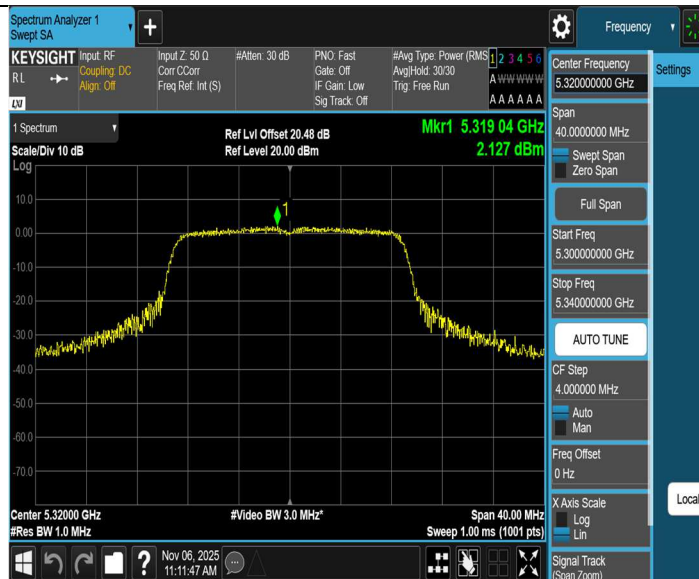
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11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



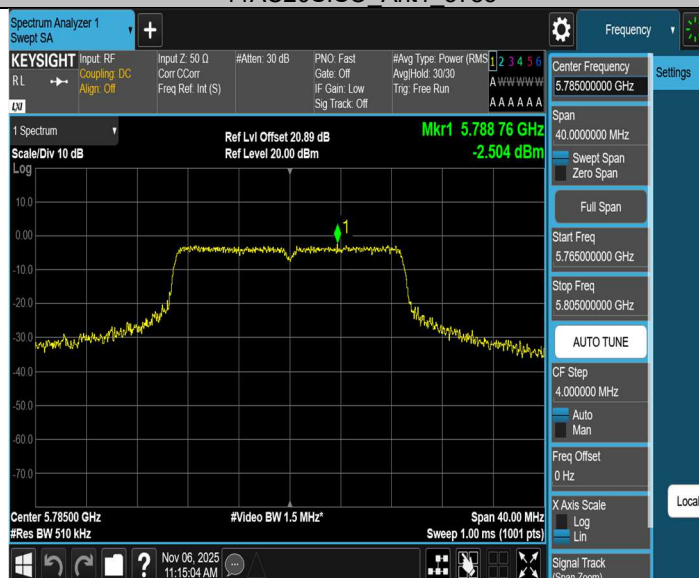
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825