



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	16.36	≤23.98	PASS
		5200	16.28	≤23.98	PASS
		5240	16.38	≤23.98	PASS
		5260	16.39	≤23.98	PASS
		5280	16.66	≤23.98	PASS
		5320	16.43	≤23.98	PASS
		5500	16.11	≤23.98	PASS
		5580	16.14	≤23.98	PASS
		5700	16.12	≤23.98	PASS
		5745	16.38	≤30.00	PASS
		5785	16.51	≤30.00	PASS
		5825	16.30	≤30.00	PASS
11N20SISO	Ant1	5180	14.77	≤23.98	PASS
		5200	16.58	≤23.98	PASS
		5240	16.35	≤23.98	PASS
		5260	16.07	≤23.98	PASS
		5280	16.47	≤23.98	PASS
		5320	16.96	≤23.98	PASS
		5500	16.45	≤23.98	PASS
		5580	16.13	≤23.98	PASS
		5700	11.28	≤23.98	PASS
		5745	16.09	≤30.00	PASS
		5785	16.06	≤30.00	PASS
		5825	15.91	≤30.00	PASS
11N40SISO	Ant1	5190	14.43	≤23.98	PASS
		5230	16.91	≤23.98	PASS
		5270	16.52	≤23.98	PASS
		5310	15.28	≤23.98	PASS
		5510	15.43	≤23.98	PASS
		5550	16.26	≤23.98	PASS
		5670	14.43	≤23.98	PASS
		5755	15.92	≤30.00	PASS
		5795	15.92	≤30.00	PASS
11AC20SISO	Ant1	5180	14.29	≤23.98	PASS
		5200	15.32	≤23.98	PASS
		5240	15.52	≤23.98	PASS
		5260	15.68	≤23.98	PASS
		5280	15.00	≤23.98	PASS
		5320	15.72	≤23.98	PASS
		5500	15.17	≤23.98	PASS
		5580	15.73	≤23.98	PASS
		5700	10.87	≤23.98	PASS
		5745	15.87	≤30.00	PASS
		5785	15.94	≤30.00	PASS
		5825	15.90	≤30.00	PASS
11AC40SISO	Ant1	5190	15.39	≤23.98	PASS
		5230	15.40	≤23.98	PASS
		5270	15.09	≤23.98	PASS
		5310	14.65	≤23.98	PASS
		5510	14.83	≤23.98	PASS
		5550	15.18	≤23.98	PASS
		5670	14.28	≤23.98	PASS
		5755	15.76	≤30.00	PASS
		5795	15.84	≤30.00	PASS
11AX20SISO	Ant1	5180	13.72	≤23.98	PASS
		5200	13.59	≤23.98	PASS

		5240	13.95	≤23.98	PASS
		5260	13.08	≤23.98	PASS
		5280	13.10	≤23.98	PASS
		5320	13.71	≤23.98	PASS
		5500	13.48	≤23.98	PASS
		5580	13.05	≤23.98	PASS
		5700	10.75	≤23.98	PASS
		5745	13.83	≤30.00	PASS
		5785	13.82	≤30.00	PASS
		5825	13.75	≤30.00	PASS
11AX40SISO	Ant1	5190	13.00	≤23.98	PASS
		5230	13.59	≤23.98	PASS
		5270	13.18	≤23.98	PASS
		5310	13.97	≤23.98	PASS
		5510	13.40	≤23.98	PASS
		5550	13.65	≤23.98	PASS
		5670	13.37	≤23.98	PASS
		5755	13.15	≤30.00	PASS
		5795	13.94	≤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 16.91 dBm +1.79 dBi=18.70dBm, which is less than EIRP Limit: 22.36dBm

The U-NII-2A max. EIRP is 16.96 dBm +1.79 dBi=18.75dBm, which is less than EIRP Limit: 29.36dBm

The U-NII-2C max. EIRP is 16.45 dBm +1.79 dBi=18.24dBm, which is less than EIRP Limit: 29.10dBm

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	3.01	≤11.00	PASS
		5200	3.14	≤11.00	PASS
		5240	3.09	≤11.00	PASS
		5260	2.84	≤11.00	PASS
		5280	2.73	≤11.00	PASS
		5320	2.91	≤11.00	PASS
		5500	2.86	≤11.00	PASS
		5580	3.43	≤11.00	PASS
		5700	3.48	≤11.00	PASS
		5745	0.36	≤30.00	PASS
		5785	-0.11	≤30.00	PASS
11N20SISO	Ant1	5825	0.26	≤30.00	PASS
		5180	2.76	≤11.00	PASS
		5200	2.93	≤11.00	PASS
		5240	2.78	≤11.00	PASS
		5260	2.52	≤11.00	PASS
		5280	2.80	≤11.00	PASS
		5320	3.36	≤11.00	PASS
		5500	2.59	≤11.00	PASS
		5580	2.93	≤11.00	PASS
		5700	3.38	≤11.00	PASS
		5745	-0.27	≤30.00	PASS
11N40SISO	Ant1	5785	-0.26	≤30.00	PASS
		5825	-0.31	≤30.00	PASS
		5190	0.12	≤11.00	PASS
		5230	0.69	≤11.00	PASS
		5270	0.06	≤11.00	PASS
		5310	-0.35	≤11.00	PASS
		5510	-0.08	≤11.00	PASS
		5550	0.08	≤11.00	PASS
11AC20SISO	Ant1	5670	1.03	≤11.00	PASS
		5755	-2.92	≤30.00	PASS
		5795	-3.23	≤30.00	PASS
		5180	2.65	≤11.00	PASS
		5200	3.13	≤11.00	PASS
		5240	2.98	≤11.00	PASS
		5260	3.09	≤11.00	PASS
		5280	2.38	≤11.00	PASS
		5320	2.96	≤11.00	PASS
		5500	2.25	≤11.00	PASS
		5580	3.59	≤11.00	PASS
11AC40SISO	Ant1	5700	3.56	≤11.00	PASS
		5745	-0.02	≤30.00	PASS
		5785	-0.06	≤30.00	PASS
		5825	-0.34	≤30.00	PASS
		5190	0.61	≤11.00	PASS
		5230	0.44	≤11.00	PASS
		5270	-0.70	≤11.00	PASS
		5310	-0.35	≤11.00	PASS
11AX20SISO	Ant1	5510	0.08	≤11.00	PASS
		5550	-0.29	≤11.00	PASS
		5670	0.36	≤11.00	PASS
		5755	-2.64	≤30.00	PASS
		5795	-3.24	≤30.00	PASS
		5180	1.01	≤11.00	PASS
		5200	3.13	≤11.00	PASS
		5240	2.98	≤11.00	PASS

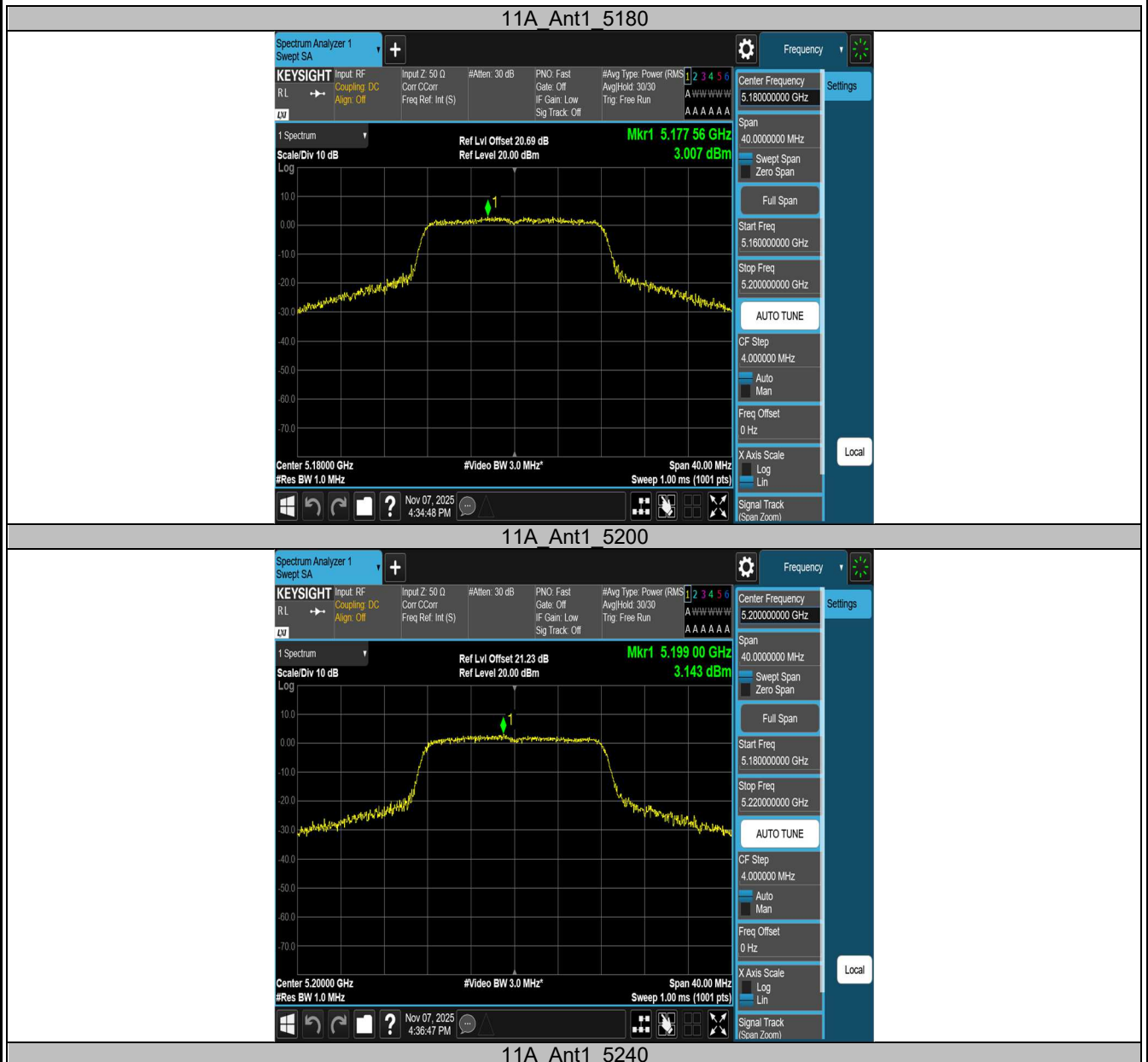
		5200	0.32	≤11.00	PASS
		5240	0.19	≤11.00	PASS
		5260	-0.70	≤11.00	PASS
		5280	-0.41	≤11.00	PASS
		5320	-1.42	≤11.00	PASS
		5500	-0.87	≤11.00	PASS
		5580	-0.35	≤11.00	PASS
		5700	0.52	≤11.00	PASS
		5745	-1.78	≤30.00	PASS
		5785	-1.92	≤30.00	PASS
		5825	-2.56	≤30.00	PASS
11AX40SISO	Ant1	5190	-3.06	≤11.00	PASS
		5230	-2.55	≤11.00	PASS
		5270	-3.52	≤11.00	PASS
		5310	-2.57	≤11.00	PASS
		5510	-3.04	≤11.00	PASS
		5550	-2.38	≤11.00	PASS
		5670	-2.60	≤11.00	PASS
		5755	-5.59	≤30.00	PASS
		5795	-5.14	≤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 3.14 dBm/MHz +1.79 dBi=4.93 dBm/MHz, which is less than EIRP Limit: 10 dBm/MHz

Test Graphs





11A_Ant1_5260



11A_Ant1_5280



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



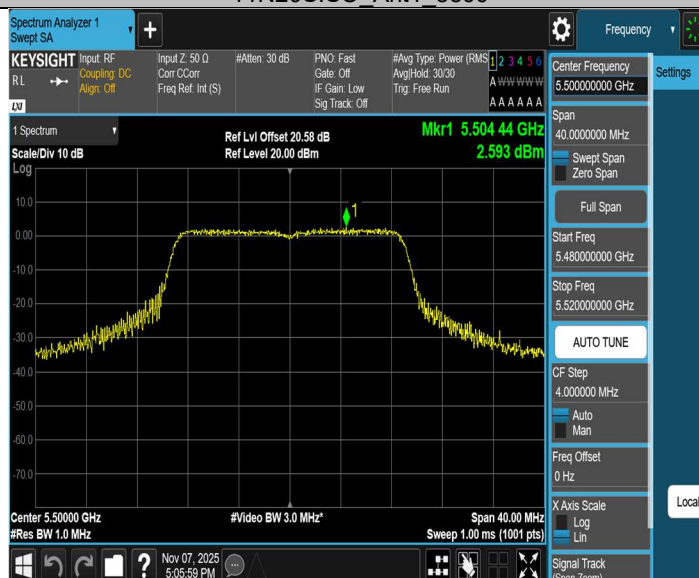
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11N20SISO Ant1 5320



11N20SISO Ant1 5500



11N20SISO Ant1 5580



11N20SISO Ant1 5700



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO Ant1 5230



11N40SISO Ant1 5270



11N40SISO Ant1 5310



11N40SISO Ant1 5510



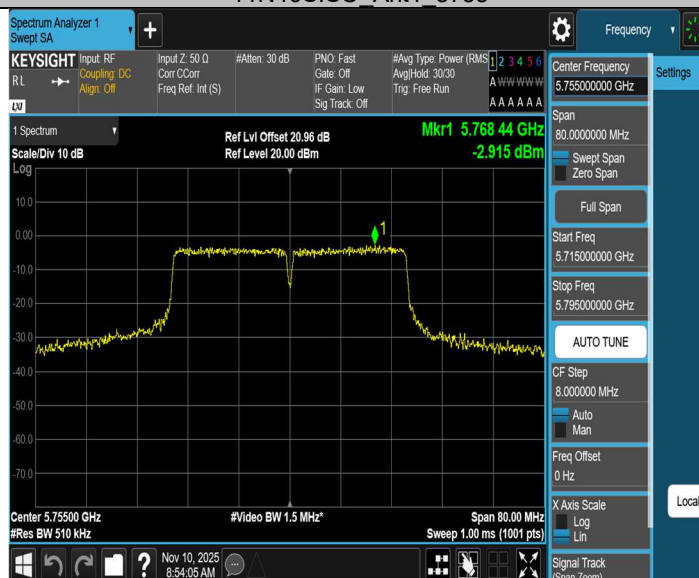
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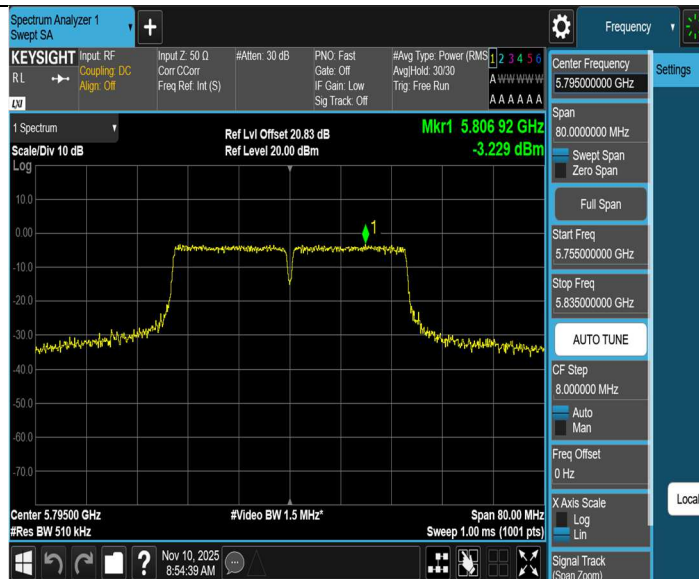
11N40SISO Ant1 5670



11N40SISO Ant1 5755



11N40SISO Ant1 5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270