

Appendix D Maximum Conducted Output Power

U-NII 5

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax20	Chain 0	6115	0.85	4.08	4.93	30	Pass
		6175	0.93	4.08	5.01	30	Pass
		6415	1.28	4.08	5.36	30	Pass
	Chain 1	6115	0.15	4.77	4.92	30	Pass
		6175	0.70	4.77	5.47	30	Pass
		6415	1.33	4.77	6.10	30	Pass
	Chain 2	6115	1.38	3.76	5.14	30	Pass
		6175	1.66	3.76	5.42	30	Pass
		6415	3.96	3.76	7.72	30	Pass
	Chain 3	6115	-0.66	3.54	2.88	30	Pass
		6175	0.28	3.54	3.82	30	Pass
		6415	-0.36	3.54	3.18	30	Pass
	Total	6115	6.52	7.38	13.90	30	Pass
		6175	6.94	7.38	14.32	30	Pass
		6415	7.86	7.38	15.24	30	Pass
802.11ax40	Chain 0	6125	4.00	4.08	8.08	30	Pass
		6165	3.96	4.08	8.04	30	Pass
		6405	3.67	4.08	7.75	30	Pass
	Chain 1	6125	3.64	4.77	8.41	30	Pass
		6165	3.15	4.77	7.92	30	Pass
		6405	3.78	4.77	8.55	30	Pass
	Chain 2	6125	5.05	3.76	8.81	30	Pass
		6165	4.99	3.76	8.75	30	Pass
		6405	7.35	3.76	11.11	30	Pass
	Chain 3	6125	1.98	3.54	5.52	30	Pass
		6165	3.21	3.54	6.75	30	Pass
		6405	2.82	3.54	6.36	30	Pass
	Total	6125	9.82	7.38	17.20	30	Pass
		6165	9.91	7.38	17.29	30	Pass
		6405	10.81	7.38	18.19	30	Pass

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax80	Chain 0	6145	7.21	4.08	11.29	30	Pass
		6385	7.49	4.08	11.57	30	Pass
	Chain 1	6145	7.65	4.77	12.42	30	Pass
		6385	7.35	4.77	12.12	30	Pass
	Chain 2	6145	9.13	3.76	12.89	30	Pass
		6385	9.27	3.76	13.03	30	Pass
	Chain 3	6145	7.01	3.54	10.55	30	Pass
		6385	6.75	3.54	10.29	30	Pass
	Total	6145	13.85	7.38	21.23	30	Pass
		6385	13.84	7.38	21.22	30	Pass
802.11ax160	Chain 0	6185	9.74	4.08	13.82	30	Pass
		6345	9.45	4.08	13.53	30	Pass
	Chain 1	6185	9.86	4.77	14.63	30	Pass
		6345	9.39	4.77	14.16	30	Pass
	Chain 2	6185	11.71	3.76	15.47	30	Pass
		6345	12.04	3.76	15.80	30	Pass
	Chain 3	6185	8.76	3.54	12.30	30	Pass
		6345	8.70	3.54	12.24	30	Pass
	Total	6185	16.17	7.38	23.55	30	Pass
		6345	16.12	7.38	23.50	30	Pass

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Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax20	Chain 0	6435	-0.40	4.31	3.91	30	Pass
		6475	1.28	4.31	5.59	30	Pass
		6515	0.81	4.31	5.12	30	Pass
	Chain 1	6435	-0.47	2.75	2.28	30	Pass
		6475	1.38	2.75	4.13	30	Pass
		6515	0.74	2.75	3.49	30	Pass
	Chain 2	6435	3.01	2.68	5.69	30	Pass
		6475	4.32	2.68	7.00	30	Pass
		6515	4.52	2.68	7.20	30	Pass
	Chain 3	6435	-1.18	2.06	0.88	30	Pass
		6475	0.80	2.06	2.86	30	Pass
		6515	0.91	2.06	2.97	30	Pass
	Total	6435	6.60	6.79	13.39	30	Pass
		6475	8.21	6.79	15.00	30	Pass
		6515	8.10	6.79	14.89	30	Pass
802.11ax40	Chain 0	6525	3.21	4.31	7.52	30	Pass
		6445	3.72	4.31	8.03	30	Pass
		6485	3.46	4.31	7.77	30	Pass
	Chain 1	6525	3.48	2.75	6.23	30	Pass
		6445	4.40	2.75	7.15	30	Pass
		6485	3.73	2.75	6.48	30	Pass
	Chain 2	6525	7.45	2.68	10.13	30	Pass
		6445	7.96	2.68	10.64	30	Pass
		6485	8.11	2.68	10.79	30	Pass
	Chain 3	6525	2.91	2.06	4.97	30	Pass
		6445	3.23	2.06	5.29	30	Pass
		6485	2.61	2.06	4.67	30	Pass
	Total	6525	10.73	6.79	17.52	30	Pass
		6445	11.29	6.79	18.08	30	Pass
		6485	11.10	6.79	17.89	30	Pass

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax80	Chain 0	6545	6.52	4.31	10.83	30	Pass
		6465	5.70	4.31	10.01	30	Pass
	Chain 1	6545	7.08	2.75	9.83	30	Pass
		6465	6.02	2.75	8.77	30	Pass
	Chain 2	6545	10.06	2.68	12.74	30	Pass
		6465	9.88	2.68	12.56	30	Pass
	Chain 3	6545	6.84	2.06	8.90	30	Pass
		6465	5.41	2.06	7.47	30	Pass
	Total	6545	13.90	6.79	20.69	30	Pass
		6465	13.21	6.79	20.00	30	Pass
802.11ax160	Chain 0	6505	8.97	4.31	13.28	30	Pass
	Chain 1	6505	9.31	2.75	12.06	30	Pass
	Chain 2	6505	13.26	2.68	15.94	30	Pass
	Chain 3	6505	8.91	2.06	10.97	30	Pass
	Total	6505	16.57	6.79	23.36	30	Pass

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Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax20	Chain 0	6535	0.39	4.44	4.83	30	Pass
		6695	0.86	4.44	5.30	30	Pass
		6855	0.74	4.44	5.18	30	Pass
	Chain 1	6535	0.29	4.41	4.70	30	Pass
		6695	1.17	4.41	5.58	30	Pass
		6855	1.02	4.41	5.43	30	Pass
	Chain 2	6535	3.98	3.30	7.28	30	Pass
		6695	3.03	3.30	6.33	30	Pass
		6855	2.17	3.30	5.47	30	Pass
	Chain 3	6535	0.44	2.89	3.33	30	Pass
		6695	0.40	2.89	3.29	30	Pass
		6855	1.03	2.89	3.92	30	Pass
	Total	6535	7.61	7.68	15.29	30	Pass
		6695	7.51	7.68	15.19	30	Pass
		6855	7.30	7.68	14.98	30	Pass
802.11ax40	Chain 0	6565	2.82	4.44	7.26	30	Pass
		6685	3.49	4.44	7.93	30	Pass
		6845	3.33	4.44	7.77	30	Pass
	Chain 1	6565	2.61	4.41	7.02	30	Pass
		6685	3.51	4.41	7.92	30	Pass
		6845	3.42	4.41	7.83	30	Pass
	Chain 2	6565	5.67	3.30	8.97	30	Pass
		6685	5.70	3.30	9.00	30	Pass
		6845	4.62	3.30	7.92	30	Pass
	Chain 3	6565	2.27	2.89	5.16	30	Pass
		6685	2.57	2.89	5.46	30	Pass
		6845	3.17	2.89	6.06	30	Pass
	Total	6565	9.60	7.68	17.28	30	Pass
		6685	10.00	7.68	17.68	30	Pass
		6845	9.70	7.68	17.38	30	Pass

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax80	Chain 0	6865	7.79	4.44	12.23	30	Pass
		6625	7.83	4.44	12.27	30	Pass
		6705	7.93	4.44	12.37	30	Pass
		6785	6.97	4.44	11.41	30	Pass
	Chain 1	6865	7.72	4.41	12.13	30	Pass
		6625	7.15	4.41	11.56	30	Pass
		6705	7.67	4.41	12.08	30	Pass
		6785	7.31	4.41	11.72	30	Pass
	Chain 2	6865	8.65	3.30	11.95	30	Pass
		6625	9.26	3.30	12.56	30	Pass
		6705	9.47	3.30	12.77	30	Pass
		6785	8.91	3.30	12.21	30	Pass
	Chain 3	6865	7.62	2.89	10.51	30	Pass
		6625	7.01	2.89	9.9	30	Pass
		6705	6.48	2.89	9.37	30	Pass
		6785	7.10	2.89	9.99	30	Pass
	Total	6865	13.99	7.68	21.67	30	Pass
		6625	13.93	7.68	21.61	30	Pass
		6705	14.04	7.68	21.72	30	Pass
		6785	13.67	7.68	21.35	30	Pass
802.11ax160	Chain 0	6825	9.76	4.44	14.20	30	Pass
		6665	10.51	4.44	14.95	30	Pass
	Chain 1	6825	10.22	4.41	14.63	30	Pass
		6665	10.25	4.41	14.66	30	Pass
	Chain 2	6825	11.57	3.30	14.87	30	Pass
		6665	12.09	3.30	15.39	30	Pass
	Chain 3	6825	9.90	2.89	12.79	30	Pass
		6665	9.31	2.89	12.20	30	Pass
	Total	6825	16.45	7.68	24.13	30	Pass
		6665	16.68	7.68	24.36	30	Pass

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Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax20	Chain 0	6875	1.95	5.91	7.86	30	Pass
		6895	1.76	5.91	7.67	30	Pass
		6995	0.45	5.91	6.36	30	Pass
		7115	2.12	5.91	8.03	30	Pass
	Chain 1	6875	1.75	5.31	7.06	30	Pass
		6895	1.50	5.31	6.81	30	Pass
		6995	0.11	5.31	5.42	30	Pass
		7115	1.15	5.31	6.46	30	Pass
	Chain 2	6875	2.98	4.84	7.82	30	Pass
		6895	2.37	4.84	7.21	30	Pass
		6995	1.11	4.84	5.95	30	Pass
		7115	1.89	4.84	6.73	30	Pass
	Chain 3	6875	1.97	3.91	5.88	30	Pass
		6895	1.88	3.91	5.79	30	Pass
		6995	0.09	3.91	4.00	30	Pass
		7115	1.63	3.91	5.54	30	Pass
	Total	6875	8.21	8.24	16.45	30	Pass
		6895	7.91	8.24	16.15	30	Pass
		6995	6.48	8.24	14.72	30	Pass
		7115	7.73	8.24	15.97	30	Pass

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax40	Chain 0	6885	3.06	5.91	8.97	30	Pass
		6925	4.21	5.91	10.12	30	Pass
		6965	3.95	5.91	9.86	30	Pass
		7085	4.23	5.91	10.14	30	Pass
	Chain 1	6885	3.42	5.31	8.73	30	Pass
		6925	4.18	5.31	9.49	30	Pass
		6965	3.37	5.31	8.68	30	Pass
		7085	4.34	5.31	9.65	30	Pass
	Chain 2	6885	4.61	4.84	9.45	30	Pass
		6925	5.10	4.84	9.94	30	Pass
		6965	4.95	4.84	9.79	30	Pass
		7085	5.10	4.84	9.94	30	Pass
	Chain 3	6885	2.78	3.91	6.69	30	Pass
		6925	3.68	3.91	7.59	30	Pass
		6965	3.03	3.91	6.94	30	Pass
		7085	3.98	3.91	7.89	30	Pass
	Total	6885	9.55	8.24	17.79	30	Pass
		6925	10.34	8.24	18.58	30	Pass
		6965	9.91	8.24	18.15	30	Pass
		7085	10.45	8.24	18.69	30	Pass
802.11ax80	Chain 0	6945	6.71	5.91	12.62	30	Pass
		7025	7.25	5.91	13.16	30	Pass
	Chain 1	6945	7.02	5.31	12.33	30	Pass
		7025	7.12	5.31	12.43	30	Pass
	Chain 2	6945	8.01	4.84	12.85	30	Pass
		7025	8.23	4.84	13.07	30	Pass
	Chain 3	6945	6.09	3.91	10.00	30	Pass
		7025	6.85	3.91	10.76	30	Pass
	Total	6945	13.03	8.24	21.27	30	Pass
		7025	13.42	8.24	21.66	30	Pass

Mode	Antenna	Test Frequency (MHz)	Average Output Power(dBm)	Antenna /Directional Gain(dBi)	EIRP (dBm)	Limit (dBm)	Verdict
802.11ax160	Chain 0	6985	9.11	5.91	15.02	30	Pass
	Chain 1	6985	9.26	5.31	14.57	30	Pass
	Chain 2	6985	10.3	4.84	15.14	30	Pass
	Chain 3	6985	8.97	3.91	12.88	30	Pass
	Total	6985	15.46	8.24	23.70	30	Pass

Note:

For 802.11a, 802.11ax SISO mode, EIRP= Average Output Power+ Antenna Gain

For 802.11ax MIMO mode, EIRP= Average Output Power+ Directional Gain