

Appendix A. Test Data

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11ax_20	5955	5.452	5.460	99.85	0.01	0.18
802.11ax_40	5965	5.452	5.460	99.85	0.01	0.18
802.11ax_80	5985	5.456	5.464	99.85	0.01	0.18
802.11ax_160	6025	5.452	5.460	99.85	0.01	0.18

RF power setting in Test SW						
Mode	CH	Frequency (MHz)	RU Config	Ant-10	Ant-9	Test SW Version
802.11ax HE20	1	5955	full	2.5	2.5	QRCT / 4.0.209.0
			26/0	-7	-7	
			52/37	-4	-4	
			106/53	-1	-1	
	45	6175	full	2.5	2.5	
	93	6415	full	2	2	
			26/8	-6.5	-6.5	
			52/40	-3	-3	
			106/54	1	1	
	97	6435	full	3	3	
			26/0	-6.5	-6.5	
			52/37	-3	-3	
			106/53	1	1	
	105	6475	full	4	4	
	113	6515	full	4	4	
			26/8	-6	-6	
			52/40	-2.5	-2.5	
			106/54	0.5	0.5	
	117	6535	full	2	2	
			26/0	-7.5	-7.5	
			52/37	-4.5	-4.5	
			106/53	0.5	0.5	
	149	6695	full	2	2	
	181	6855	full	3	3	
			26/8	-7	-7	
			52/40	-4	-4	
			106/54	0.5	0.5	
	185	6875	full	2	2	
	189	6895	full	2	2	
			26/0	-8	-8	
			52/37	-5	-5	
			106/53	0	0	
	209	6995	full	1.5	1.5	
	233	7115	full	1.5	1.5	
			26/8	-7.5	-7.5	
			52/40	-4.5	-4.5	
			106/54	0	0	

802.11ax HE40	3	5965	full	5.5	5.5	QRCT / 4.0.209.0
	43	6165	full	5.5	5.5	
	91	6405	full	5.5	5.5	
	99	6445	full	4.5	4.5	
	107	6485	full	6.5	6.5	
	115	6525	full	5	5	
	123	6565	full	5	5	
	147	6685	full	5.5	5.5	
	179	6845	full	5	5	
	187	6885	full	4.5	4.5	
	195	6925	full	4.5	4.5	
	211	7005	full	4.5	4.5	
802.11ax HE80	227	7085	full	4	4	QRCT / 4.0.209.0
	7	5985	full	7.5	7.5	
	39	6145	full	7.5	7.5	
	87	6385	full	6.5	6.5	
	103	6465	full	8.5	8.5	
	119	6545	full	6.5	6.5	
	135	6625	full	7	7	
	151	6705	full	6.5	6.5	
	167	6785	full	6.5	6.5	
	183	6865	full	6.5	6.5	
	199	6945	full	6	6	
	215	7025	full	6	6	
802.11ax HE160	15	6025	full	9	9	QRCT / 4.0.209.0
	47	6185	full	9.5	9.5	
	79	6345	full	8.5	8.5	
	111	6505	full	9	9	
	143	6665	full	9	9	
	175	6825	full	8	8	
	207	6985	full	8.5	8.5	

Maximum Conducted Output Power Measurement											
Band	CH	Freq. (MHz)		Measurement							
				Ant-10	Ant-9	Total	Duty Factor (dB)	Directional Gain(dBi)	EIRP (dBm)	EIRP (W)	Limit (dBm/MHz)
				dBm/MHz	dBm/MHz	dBm/MHz					
802.11ax HE20	1	5955	full	3.13	3.48	6.32	0.01	3.99	10.31	0.0107	24
			26/0	-5.68	-7.06	-3.31	0.01	3.99	0.68	0.0012	24
			52/37	-2.71	-4.33	-0.43	0.01	3.99	3.56	0.0023	24
			106/53	-1.52	-1.24	1.63	0.01	3.99	5.62	0.0036	24
	45	6175	full	3.75	3.62	6.70	0.01	3.99	10.69	0.0117	24
	93	6415	full	4.07	4.90	7.52	0.01	3.99	11.51	0.0142	24
			26/8	-7.26	-4.90	-2.91	0.01	3.99	1.08	0.0013	24
			52/40	-3.57	-1.57	0.55	0.01	3.99	4.54	0.0028	24
			106/54	-0.38	0.45	3.07	0.01	3.99	7.06	0.0051	24
	97	6435	full	4.59	6.07	8.40	0.01	1.57	9.97	0.0099	24
			26/0	-6.24	-3.19	-1.44	0.01	1.57	0.13	0.0010	24
			52/37	-2.88	0.24	1.96	0.01	1.57	3.53	0.0023	24
			106/53	0.90	2.20	4.61	0.01	1.57	6.18	0.0041	24
	105	6475	full	5.77	6.16	8.98	0.01	1.57	10.55	0.0114	24
	113	6515	full	5.07	5.82	8.47	0.01	1.57	10.04	0.0101	24
			26/8	-5.64	-4.35	-1.94	0.01	1.57	-0.37	0.0009	24
			52/40	-2.18	-0.73	1.62	0.01	1.57	3.19	0.0021	24
			106/54	-0.83	-0.58	2.31	0.01	1.57	3.88	0.0024	24
	117	6535	full	2.98	3.35	6.18	0.01	2.73	8.91	0.0078	24
			26/0	-7.46	-5.62	-3.43	0.01	2.73	-0.70	0.0009	24
			52/37	-4.46	-2.79	-0.53	0.01	2.73	2.20	0.0017	24
			106/53	-0.18	-0.42	2.71	0.01	2.73	5.44	0.0035	24
	149	6695	full	2.65	3.57	6.14	0.01	2.73	8.87	0.0077	24
	181	6855	full	4.10	3.35	6.75	0.01	2.73	9.48	0.0089	24
			26/8	-7.20	-6.14	-3.63	0.01	2.73	-0.90	0.0008	24
			52/40	-4.12	-3.39	-0.73	0.01	2.73	2.00	0.0016	24
			106/54	-0.42	-0.73	2.44	0.01	2.73	5.17	0.0033	24
	185	6875	full	3.30	2.86	6.10	0.01	3.69	9.79	0.0095	24
	189	6895	full	3.15	2.86	6.02	0.01	3.69	9.71	0.0094	24
			26/0	-7.89	-6.15	-3.92	0.01	3.69	-0.23	0.0009	24
			52/37	-5.10	-3.28	-1.09	0.01	3.69	2.60	0.0018	24
			106/53	-0.87	-0.34	2.41	0.01	3.69	6.10	0.0041	24
	209	6995	full	1.83	2.38	7.75	0.01	3.69	8.81	0.0076	24
	233	7115	full	1.74	2.89	5.36	0.01	3.69	9.05	0.0080	24
			26/8	-8.90	-6.56	-4.56	0.01	3.69	-0.87	0.0008	24
			52/40	-5.80	-3.32	-1.38	0.01	3.69	2.31	0.0017	24
			106/54	-3.65	-0.86	0.98	0.01	3.69	4.67	0.0029	24

Band	CH	Freq. (MHz)		Measurement							
				Ant-10	Ant-9	Total	Duty Factor (dB)	Directional Gain(dBi)	EIRP (dBm)	EIRP (W)	Limit (dBm/MHz)
				dBm/MHz	dBm/MHz	dBm/MHz					
802.11ax HE40	3	5965	full	5.76	6.04	8.91	0.01	3.99	12.90	0.0195	24
	43	6165	full	7.13	6.04	9.63	0.01	3.99	13.62	0.0230	24
	91	6405	full	6.23	7.14	9.72	0.01	3.99	13.71	0.0235	24
	99	6445	full	8.26	8.58	11.43	0.01	1.57	13.00	0.0200	24
	107	6485	full	8.53	8.54	11.55	0.01	1.57	13.12	0.0205	24
	115	6525	full	6.51	6.56	9.55	0.01	2.73	12.28	0.0169	24
	123	6565	full	5.86	6.63	9.27	0.01	2.73	12.00	0.0158	24
	147	6685	full	5.35	6.64	9.05	0.01	2.73	11.78	0.0151	24
	179	6845	full	6.85	5.88	9.40	0.01	2.73	12.13	0.0163	24
	187	6885	full	5.56	5.45	8.52	0.01	3.69	12.21	0.0166	24
	195	6925	full	5.46	5.29	8.39	0.01	3.69	12.08	0.0161	24
	211	7005	full	4.36	5.94	8.23	0.01	3.69	11.92	0.0156	24
802.11ax HE80	227	7085	full	4.16	5.85	8.10	0.01	3.69	11.79	0.0151	24
	7	5985	full	9.15	8.84	12.01	0.01	3.99	16.00	0.0398	24
	39	6145	full	9.81	8.94	12.41	0.01	3.99	16.40	0.0437	24
	87	6385	full	9.42	10.45	12.98	0.01	3.99	16.97	0.0498	24
	103	6465	full	11.27	11.75	14.53	0.01	1.57	16.10	0.0407	24
	119	6545	full	8.32	9.23	11.81	0.01	2.73	14.54	0.0284	24
	135	6625	full	8.27	9.62	12.01	0.01	2.73	14.74	0.0298	24
	151	6705	full	8.09	9.09	11.63	0.01	2.73	14.36	0.0273	24
	167	6785	full	8.76	8.73	11.76	0.01	2.73	14.49	0.0281	24
	183	6865	full	8.61	8.10	11.37	0.01	3.69	15.06	0.0321	24
	199	6945	full	8.35	8.10	11.24	0.01	3.69	14.93	0.0311	24
	215	7025	full	7.08	8.87	11.08	0.01	3.69	14.77	0.0300	24
802.11ax HE160	15	6025	full	11.48	11.03	14.27	0.01	3.99	18.26	0.0670	24
	47	6185	full	11.91	11.83	14.88	0.01	3.99	18.87	0.0771	24
	79	6345	full	11.95	12.47	15.22	0.01	3.99	19.21	0.0834	24
	111	6505	full	11.79	11.99	14.90	0.01	2.73	17.63	0.0579	24
	143	6665	full	11.04	11.96	14.53	0.01	2.73	17.26	0.0532	24
	175	6825	full	10.77	10.22	13.51	0.01	3.69	17.20	0.0525	24
	207	6985	full	10.30	10.87	13.60	0.01	3.69	17.29	0.0536	24

Power Spectral Density Measurement						
Band	CH	Freq. (MHz)		Measurement		
				Directional Gain(dBi)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
802.11ax HE20	1	5955	full	5.02	-1.41	-1.00
			26/0	5.02	-1.46	-1.00
			52/37	5.02	-1.49	-1.00
			106/53	5.02	-1.63	-1.00
	45	6175	full	5.02	-1.39	-1.00
	93	6415	full	5.02	-1.05	-1.00
			26/8	5.02	-1.47	-1.00
			52/40	5.02	-1.16	-1.00
			106/54	5.02	-1.59	-1.00
	97	6435	full	3.27	-1.49	-1.00
			26/0	3.27	-1.61	-1.00
			52/37	3.27	-1.57	-1.00
			106/53	3.27	-2.28	-1.00
	105	6475	full	3.27	-1.22	-1.00
	113	6515	full	3.27	-1.33	-1.00
			26/8	3.27	-1.48	-1.00
			52/40	3.27	-1.36	-1.00
			106/54	3.27	-3.56	-1.00
	117	6535	full	5.44	-1.24	-1.00
			26/0	5.44	-1.28	-1.00
			52/37	5.44	-1.46	-1.00
			106/53	5.44	-1.49	-1.00
	149	6695	full	5.44	-1.35	-1.00
	181	6855	full	5.44	-1.03	-1.00
			26/8	5.44	-1.46	-1.00
			52/40	5.44	-1.46	-1.00
			106/54	5.44	-2.02	-1.00
	185	6875	full	6.19	-1.27	-1.00
	189	6895	full	6.19	-1.21	-1.00
			26/0	6.19	-1.28	-1.00
			52/37	6.19	-1.49	-1.00
			106/53	6.19	-1.39	-1.00
	209	6995	full	6.19	-1.54	-1.00
	233	7115	full	6.19	-1.44	-1.00
			26/8	6.19	-1.47	-1.00
			52/40	6.19	-1.65	-1.00
			106/54	6.19	-2.35	-1.00

Band	CH	Freq. (MHz)	RU config.	Measurement		
				Directional Gain(dBi)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
802.11ax HE40	3	5965	full	5.02	-1.62	-1.00
	43	6165	full	5.02	-1.56	-1.00
	91	6405	full	5.02	-1.70	-1.00
	99	6445	full	3.27	-1.47	-1.00
	107	6485	full	3.27	-1.32	-1.00
	115	6525	full	5.44	-1.32	-1.00
	123	6565	full	5.44	-1.12	-1.00
	147	6685	full	5.44	-1.10	-1.00
	179	6845	full	5.44	-1.13	-1.00
	187	6885	full	6.19	-1.49	-1.00
	195	6925	full	6.19	-1.24	-1.00
	211	7005	full	6.19	-1.32	-1.00
	227	7085	full	6.19	-1.25	-1.00
802.11ax HE80	7	5985	full	5.02	-1.16	-1.00
	39	6145	full	5.02	-1.24	-1.00
	87	6385	full	5.02	-1.32	-1.00
	103	6465	full	3.27	-1.30	-1.00
	119	6545	full	5.44	-1.29	-1.00
	135	6625	full	5.44	-1.22	-1.00
	151	6705	full	5.44	-1.34	-1.00
	167	6785	full	5.44	-1.47	-1.00
	183	6865	full	6.19	-1.34	-1.00
	199	6945	full	6.19	-1.31	-1.00
802.11ax HE160	215	7025	full	6.19	-1.42	-1.00
	15	6025	full	5.02	-1.38	-1.00
	47	6185	full	5.02	-1.09	-1.00
	79	6345	full	5.02	-1.29	-1.00
	111	6505	full	5.44	-1.12	-1.00
	143	6665	full	5.44	-1.25	-1.00
	175	6825	full	6.19	-1.69	-1.00
	207	6985	full	6.19	-1.51	-1.00