

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	10.000	10.000	100.00	0.00	0.10
802.11ax_40	5965	10.000	10.000	100.00	0.00	0.10
802.11ax_80	5985	10.000	10.000	100.00	0.00	0.10
802.11ax_160	6025	10.000	10.000	100.00	0.00	0.10

RF power setting in Test SW					
Mode	CH	Frequency (MHz)	chain_2(Main)	chain_1(Aux)	Test SW Version
802.11ax HE20	1	5955	full	0.5	0.5
	45	6175	full	0.5	0.5
	93	6415	full	1	1
	97	6435	full	0	0
	105	6475	full	1	1
	113	6515	full	1.5	1.5
	117	6535	full	0	0
	149	6695	full	0	0
	181	6855	full	0.5	0.5
	185	6875	full	1	1
	189	6895	full	0.5	0.5
	209	6995	full	1	1
	233	7115	full	-2	-2
802.11ax HE40	3	5965	full	3	3
	43	6165	full	4.5	4.5
	91	6405	full	4.5	4.5
	99	6445	full	4.5	4.5
	107	6485	full	4	4
	115	6525	full	4.5	4.5
	123	6565	full	4	4
	147	6685	full	4.5	4.5
	179	6845	full	4	4
	187	6885	full	4.5	4.5
	195	6925	full	6	6
	211	7005	full	6	6
	227	7085	full	5.5	5.5
Mode	CH	Frequency (MHz)	chain_2(Main)	chain_1(Aux)	Test SW Version
802.11ax HE80	7	5985	full	5.5	5.5
	39	6145	full	6.5	6.5
	87	6385	full	7	7
	103	6465	full	7	7
	119	6545	full	6	6
	135	6625	full	6.5	6.5
	151	6705	full	6	6
	167	6785	full	6.5	6.5
	183	6865	full	7.5	7.5
	199	6945	full	7.5	7.5
802.11ax HE160	215	7025	full	7.5	7.5
	15	6025	full	8.5	8.5
	47	6185	full	8.5	8.5
	79	6345	full	8.5	8.5
	111	6505	full	8	8
	143	6665	full	8.5	8.5
	175	6825	full	9	9
	207	6985	full	9	9

Maximum Conducted Output Power Measurement											
Band	CH	Freq. (MHz)		Measurement							
				chain_2(Main)	chain_1(Aux)	Total	Duty Factor (dB)	Maxmum Gain(dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/MHz)
				dBm/MHz	dBm/MHz	dBm/MHz					
802.11ax HE20	1	5955	full	0.99	-1.59	2.90	0.00	4.47	7.37	0.0055	24
	45	6175	full	-0.52	-1.37	2.09	0.00	4.47	6.56	0.0045	24
	93	6415	full	0.26	-0.14	3.07	0.00	4.47	7.54	0.0057	24
	97	6435	full	-0.23	-0.59	2.60	0.00	4.47	7.07	0.0051	24
	105	6475	full	0.08	-0.31	2.90	0.00	4.47	7.37	0.0055	24
	113	6515	full	-0.52	-0.74	2.38	0.00	4.47	6.85	0.0048	24
	117	6535	full	-0.18	0.61	3.24	0.00	4.47	7.71	0.0059	24
	149	6695	full	-0.17	-1.34	2.29	0.00	4.47	6.76	0.0047	24
	181	6855	full	-0.50	-0.87	2.33	0.00	4.47	6.80	0.0048	24
	185	6875	full	-0.03	-0.55	2.73	0.00	4.47	7.20	0.0052	24
	189	6895	full	-0.38	0.01	2.83	0.00	4.47	7.30	0.0054	24
	209	6995	full	-0.23	-1.24	2.30	0.00	4.47	6.77	0.0048	24
802.11ax HE40	233	7115	full	-3.03	-5.13	-0.94	0.00	4.47	3.53	0.0023	24
	3	5965	full	3.47	0.79	5.34	0.00	4.47	9.81	0.0096	24
	43	6165	full	3.77	2.89	6.36	0.00	4.47	10.83	0.0121	24
	91	6405	full	3.86	3.32	6.61	0.00	4.47	11.08	0.0128	24
	99	6445	full	4.13	3.75	6.95	0.00	4.47	11.42	0.0139	24
	107	6485	full	4.14	3.62	6.90	0.00	4.47	11.37	0.0137	24
	115	6525	full	3.78	3.91	6.86	0.00	4.47	11.33	0.0136	24
	123	6565	full	3.79	3.34	6.58	0.00	4.47	11.05	0.0127	24
	147	6685	full	2.65	2.69	5.68	0.00	4.47	10.15	0.0104	24
	179	6845	full	3.17	2.37	5.80	0.00	4.47	10.27	0.0106	24
	187	6885	full	3.89	3.46	6.69	0.00	4.47	11.16	0.0131	24
	195	6925	full	3.45	3.94	6.71	0.00	4.47	11.18	0.0131	24
802.11ax HE80	211	7005	full	3.13	3.75	6.46	0.00	4.47	10.93	0.0124	24
	227	7085	full	3.84	2.87	6.39	0.00	4.47	10.86	0.0122	24
Band	CH	Freq. (MHz)		Measurement							
				chain_2(Main)	chain_1(Aux)	Total	Duty Factor (dB)	Maxmum Gain(dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/MHz)
				dBm/MHz	dBm/MHz	dBm/MHz					
802.11ax HE80	7	5985	full	5.63	3.87	7.85	0.00	4.47	12.32	0.0171	24
	39	6145	full	5.85	5.28	8.58	0.00	4.47	13.05	0.0202	24
	87	6385	full	6.15	5.53	8.86	0.00	4.47	13.33	0.0215	24
	103	6465	full	6.98	6.18	9.61	0.00	4.47	14.08	0.0256	24
	119	6545	full	5.93	5.71	8.83	0.00	4.47	13.30	0.0214	24
	135	6625	full	5.85	5.88	8.88	0.00	4.47	13.35	0.0216	24
	151	6705	full	5.46	4.49	8.01	0.00	4.47	12.48	0.0177	24
	167	6785	full	5.75	4.91	8.36	0.00	4.47	12.83	0.0192	24
	183	6865	full	5.07	5.41	8.25	0.00	4.47	12.72	0.0187	24
	199	6945	full	5.78	5.29	8.55	0.00	4.47	13.02	0.0200	24
	215	7025	full	5.22	5.63	8.44	0.00	4.47	12.91	0.0195	24
802.11ax HE160	15	6025	full	7.63	7.04	10.36	0.00	4.47	12.05	0.0160	24
	47	6185	full	7.18	6.56	9.89	0.00	4.47	11.58	0.0144	24
	79	6345	full	7.37	7.42	10.41	0.00	4.47	12.10	0.0162	24
	111	6505	full	6.87	6.57	9.73	0.00	4.47	11.42	0.0139	24
	143	6665	full	7.39	6.94	10.18	0.00	4.47	11.87	0.0154	24
	175	6825	full	6.55	6.62	9.60	0.00	4.47	11.29	0.0135	24
	175	6825(U-NII 7)	full	5.65	5.72	8.69	0.00	4.47	10.38	0.0109	24
	175	6825(U-NII 8)	full	-0.72	-0.65	2.33	0.00	4.47	4.02	0.0025	24
	207	6985	full	6.85	6.93	9.90	0.00	4.47	11.59	0.0144	24

Power Spectral Density Measurement										
Band	CH	Freq. (MHz)		Measurement						
				Ant-0	Ant-1	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	Maximum Gain(dBi)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				dBm/MHz	dBm/MHz					
802.11ax HE20	1	5955	full	-9.61	-11.51	0.00	-7.45	4.47	-2.98	-1.00
	45	6175	full	-10.33	-12.29	0.00	-8.19	4.47	-3.72	-1.00
	93	6415	full	-9.15	-9.89	0.00	-6.49	4.47	-2.02	-1.00
	97	6435	full	-9.85	-10.93	0.00	-7.35	4.47	-2.88	-1.00
	105	6475	full	-10.93	-11.67	0.00	-8.27	4.47	-3.80	-1.00
	113	6515	full	-10.62	-10.46	0.00	-7.53	4.47	-3.06	-1.00
	117	6535	full	-10.21	-9.30	0.00	-6.72	4.47	-2.25	-1.00
	149	6695	full	-9.68	-11.07	0.00	-7.31	4.47	-2.84	-1.00
	181	6855	full	-10.70	-11.17	0.00	-7.92	4.47	-3.45	-1.00
	185	6875	full	-10.62	-10.98	0.00	-7.79	4.47	-3.32	-1.00
	189	6895	full	-11.15	-10.47	0.00	-7.79	4.47	-3.32	-1.00
	209	6995	full	-10.55	-11.70	0.00	-8.08	4.47	-3.61	-1.00
	233	7115	full	-12.80	-14.41	0.00	-10.52	4.47	-6.05	-1.00
	3	5965	full	-9.98	-12.21	0.00	-7.94	4.47	-3.47	-1.00
802.11ax HE40	43	6165	full	-8.62	-10.54	0.00	-6.46	4.47	-1.99	-1.00
	91	6405	full	-8.92	-9.08	0.00	-5.99	4.47	-1.52	-1.00
	99	6445	full	-8.19	-9.93	0.00	-5.96	4.47	-1.49	-1.00
	107	6485	full	-9.41	-10.18	0.00	-6.77	4.47	-2.30	-1.00
	115	6525	full	-9.02	-8.71	0.00	-5.85	4.47	-1.38	-1.00
	123	6565	full	-8.88	-9.67	0.00	-6.25	4.47	-1.78	-1.00
	147	6685	full	-8.48	-9.72	0.00	-6.05	4.47	-1.58	-1.00
	179	6845	full	-9.23	-10.26	0.00	-6.71	4.47	-2.24	-1.00
	187	6885	full	-9.50	-9.62	0.00	-6.55	4.47	-2.08	-1.00
	195	6925	full	-8.85	-8.65	0.00	-5.74	4.47	-1.27	-1.00
	211	7005	full	-9.60	-9.70	0.00	-6.64	4.47	-2.17	-1.00
	227	7085	full	-8.48	-9.73	0.00	-6.05	4.47	-1.58	-1.00
Band	CH	Freq. (MHz)	RU config.	Measurement						
				Ant-0	Ant-1	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)	Maximum Gain(dBi)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				dBm/MHz	dBm/MHz					
802.11ax HE80	7	5985	full	-9.69	-12.10	0.00	-7.72	4.47	-3.25	-1.00
	39	6145	full	-9.12	-10.17	0.00	-6.60	4.47	-2.13	-1.00
	87	6385	full	-9.62	-9.14	0.00	-6.37	4.47	-1.90	-1.00
	103	6465	full	-8.40	-9.89	0.00	-6.07	4.47	-1.60	-1.00
	119	6545	full	-8.99	-9.32	0.00	-6.14	4.47	-1.67	-1.00
	135	6625	full	-10.06	-10.19	0.00	-7.11	4.47	-2.64	-1.00
	151	6705	full	-8.88	-10.45	0.00	-6.58	4.47	-2.11	-1.00
	167	6785	full	-9.20	-10.23	0.00	-6.68	4.47	-2.21	-1.00
	183	6865	full	-9.96	-9.95	0.00	-6.95	4.47	-2.48	-1.00
	199	6945	full	-8.95	-9.54	0.00	-6.22	4.47	-1.75	-1.00
	215	7025	full	-9.93	-9.83	0.00	-6.87	4.47	-2.40	-1.00
802.11ax HE160	15	6025	full	-9.89	-11.03	0.00	-7.42	4.47	-2.95	-1.00
	47	6185	full	-11.07	-11.21	0.00	-8.13	4.47	-3.66	-1.00
	79	6345	full	-11.00	-10.46	0.00	-7.71	4.47	-3.24	-1.00
	111	6505	full	-11.43	-11.33	0.00	-8.37	4.47	-3.90	-1.00
	143	6665	full	-10.18	-10.67	0.00	-7.41	4.47	-2.94	-1.00
	175	6825	full	-10.51	-10.88	0.00	-7.68	4.47	-3.21	-1.00
	207	6985	full	-10.69	-11.09	0.00	-7.88	4.47	-3.41	-1.00

26 dB & 99 % RF Bandwidth Measurement							
Band	CH	Freq. (MHz)	99 % Bandwidth		26 dB Bandwidth		Limit (MHz)
			chain_2(Main)	chain_1(Aux)	chain_2(Main)	chain_1(Aux)	
			MHz	MHz	MHz	MHz	
802.11ax HE20	1	5955	18.900	18.900	20.863	21.013	320
	45	6175	18.900	18.900	20.863	21.013	320
	93	6415	18.900	18.900	21.163	21.013	320
	97	6435	18.900	18.900	21.013	21.163	320
	105	6475	18.900	18.900	21.163	21.013	320
	113	6515	18.900	18.900	21.013	21.013	320
	117	6535	18.900	18.900	21.163	20.863	320
	149	6695	18.900	18.900	20.863	21.163	320
	181	6855	18.900	18.900	21.163	21.013	320
	185	6875	18.900	18.900	21.163	21.313	320
	189	6895	18.900	18.900	21.313	21.163	320
	209	6995	18.900	18.900	21.163	21.013	320
802.11ax HE40	233	7115	18.900	18.900	21.163	21.013	320
	3	5965	37.750	37.500	40.750	40.500	320
	43	6165	37.750	37.750	41.000	40.750	320
	91	6405	37.750	37.500	40.750	40.750	320
	99	6445	37.750	37.750	40.750	40.750	320
	107	6485	37.750	37.750	40.750	40.500	320
	115	6525	37.750	37.750	40.750	40.750	320
	123	6565	37.750	37.500	40.750	40.750	320
	147	6685	37.750	37.750	40.500	41.000	320
	179	6845	37.750	37.750	40.750	41.000	320
	187	6885	37.750	37.750	41.000	40.750	320
	195	6925	37.750	37.750	40.750	40.750	320
802.11ax HE80	211	7005	37.750	37.750	40.500	40.750	320
	227	7085	37.750	37.750	40.750	40.750	320
	7	5985	77.000	77.000	83.000	83.000	320
	39	6145	76.500	77.000	82.000	83.000	320
	87	6385	77.500	76.000	83.500	82.000	320
	103	6465	77.000	77.500	82.500	83.000	320
	119	6545	77.000	76.500	82.500	82.500	320
	135	6625	77.500	77.000	83.000	82.500	320
	151	6705	76.500	77.000	82.500	82.500	320
	167	6785	77.000	77.500	82.500	82.500	320
	183	6865	76.500	77.000	82.500	82.500	320
	199	6945	77.000	77.000	82.500	83.000	320
802.11ax HE160	215	7025	77.000	77.000	82.500	83.000	320
	15	6025	155.000	156.000	166.000	166.000	320
	47	6185	156.000	156.000	166.000	167.000	320
	79	6345	156.000	156.000	167.000	166.000	320
	111	6505	156.000	156.000	167.000	167.000	320
	143	6665	155.000	155.000	167.000	167.000	320
	175	6825	155.000	155.000	165.000	166.000	320
	207	6985	155.000	154.000	166.000	167.000	320