

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	1.010	1.640	61.59	2.11	0.99
802.11ax_40	5965	0.530	1.150	46.09	3.36	1.89
802.11ax_80	5985	0.288	0.916	31.44	5.03	3.47

RF power setting in Test SW

Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ax HE20	1	5955	full	-2.5	-2.5	-	-	adb
	45	6175	full	-2	-2	-	-	
	93	6415	full	-2.5	-2.5	-	-	
	97	6435	full	-1.5	-1.5	-	-	
	105	6475	full	-2	-2	-	-	
	113	6515	full	-1.5	-1.5	-	-	
	117	6535	full	-2	-2	-	-	
	149	6695	full	-1.5	-1.5	-	-	
	181	6855	full	0	0	-	-	
	185	6875	full	-0.5	-0.5	-	-	
	189	6895	full	-0.5	-0.5	-	-	
	209	6995	full	0	0	-	-	
802.11ax HE40	229	7095	full	1.5	1.5	-	-	adb
	3	5965	full	0	0	-	-	
	43	6165	full	0	0	-	-	
	91	6405	full	-0.5	-0.5	-	-	
	99	6445	full	1	1	-	-	
	107	6485	full	0	0	-	-	
	115	6525	full	0.5	0.5	-	-	
	123	6565	full	0	0	-	-	
	147	6685	full	0.5	0.5	-	-	
	179	6845	full	1	1	-	-	
	187	6885	full	2	2	-	-	
	195	6925	full	2.5	2.5	-	-	
802.11ax HE80	211	7005	full	1.5	1.5	-	-	adb
	227	7085	full	2.5	2.5	-	-	
	7	5985	full	3	3	-	-	
	39	6145	full	3	3	-	-	
	87	6385	full	3	3	-	-	
	103	6465	full	3	3	-	-	
	119	6545	full	3	3	-	-	
	135	6625	full	3	3	-	-	
	151	6705	full	3	3	-	-	
	167	6785	full	3	3	-	-	
	183	6865	full	3	3	-	-	
	199	6945	full	3	3	-	-	
	215	7025	full	3	3	-	-	

Maximum Conducted Output Power Measurement

Band	CH	Freq. (MHz)		Measurement			
				Maximum Gain(dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/MHz)
802.11ax HE20	1	5955	full	7.18	6.06	0.0040	14
	45	6175	full	7.18	6.60	0.0046	14
	93	6415	full	7.18	6.68	0.0047	14
	97	6435	full	7.13	6.59	0.0046	14
	105	6475	full	7.13	6.22	0.0042	14
	113	6515	full	7.13	6.34	0.0043	14
	117	6535	full	7.18	5.92	0.0039	14
	149	6695	full	7.18	5.56	0.0036	14
	181	6855	full	7.18	6.42	0.0044	14
	185	6875	full	7.18	5.84	0.0038	14
	189	6895	full	7.17	5.95	0.0039	14
	209	6995	full	7.17	6.37	0.0043	14
	233	7095	full	7.17	6.52	0.0045	14
802.11ax HE40	3	5965	full	7.18	8.36	0.0069	14
	43	6165	full	7.18	8.77	0.0075	14
	91	6405	full	7.18	8.57	0.0072	14
	99	6445	full	7.13	9.44	0.0088	14
	107	6485	full	7.13	8.25	0.0067	14
	115	6525	full	7.18	8.54	0.0071	14
	123	6565	full	7.18	8.36	0.0069	14
	147	6685	full	7.18	7.99	0.0063	14
	179	6845	full	7.18	8.40	0.0069	14
	187	6885	full	7.18	8.74	0.0075	14
	195	6925	full	7.17	8.56	0.0072	14
	211	7005	full	7.17	8.28	0.0067	14
	227	7085	full	7.17	8.00	0.0063	14
802.11ax HE80	7	5985	full	7.18	11.31	0.0135	14
	39	6145	full	7.18	11.35	0.0136	14
	87	6385	full	7.18	10.97	0.0125	14
	103	6465	full	7.13	10.36	0.0109	14
	119	6545	full	7.18	10.48	0.0112	14
	135	6625	full	7.18	10.47	0.0111	14
	151	6705	full	7.18	9.86	0.0097	14
	167	6785	full	7.18	9.39	0.0087	14
	183	6865	full	7.18	8.63	0.0073	14
	199	6945	full	7.17	8.43	0.0070	14
	215	7025	full	7.17	9.03	0.0080	14

26 dB & 99 % RF Bandwidth Measurement											
Band	CH	Freq. (MHz)	99 % Bandwidth				26 dB Bandwidth				Limit (MHz)
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3	
			MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	
802.11ax HE20	1	5955	19.100	19.100	-	-	24.765	31.069	-	-	320
	45	6175	19.100	19.100	-	-	24.465	28.818	-	-	320
	93	6415	19.100	19.100	-	-	25.516	28.218	-	-	320
	97	6435	19.200	19.200	-	-	22.514	28.968	-	-	320
	105	6475	19.000	19.100	-	-	26.266	27.167	-	-	320
	113	6515	19.000	19.100	-	-	23.415	26.567	-	-	320
	117	6535	19.000	19.100	-	-	23.865	26.116	-	-	320
	149	6695	19.100	19.200	-	-	25.966	28.368	-	-	320
	181	6855	19.000	19.200	-	-	24.765	25.966	-	-	320
	185	6875	19.100	19.000	-	-	25.966	30.319	-	-	320
	189	6895	19.100	19.000	-	-	23.265	25.366	-	-	320
	209	6995	19.100	19.200	-	-	28.068	28.068	-	-	320
229	7095	19.100	19.100	-	-	28.068	29.869	-	-	320	
802.11ax HE40	3	5965	37.500	37.500	-	-	40.000	40.000	-	-	320
	43	6165	37.500	37.750	-	-	40.000	40.250	-	-	320
	91	6405	37.500	37.750	-	-	40.500	40.250	-	-	320
	99	6445	37.500	37.750	-	-	40.000	40.250	-	-	320
	107	6485	37.750	37.500	-	-	40.000	40.000	-	-	320
	115	6525	37.750	37.750	-	-	40.000	40.000	-	-	320
	123	6565	37.750	37.500	-	-	40.000	40.000	-	-	320
	147	6685	37.500	37.500	-	-	40.250	40.000	-	-	320
	179	6845	37.500	37.750	-	-	40.000	40.000	-	-	320
	187	6885	37.500	37.500	-	-	40.000	40.250	-	-	320
	195	6925	37.500	37.750	-	-	40.250	40.250	-	-	320
	211	7005	37.750	37.500	-	-	40.250	40.000	-	-	320
227	7085	37.750	37.750	-	-	40.250	40.000	-	-	320	
802.11ax HE80	7	5985	76.500	77.000	-	-	81.000	81.500	-	-	320
	39	6145	77.500	77.000	-	-	81.500	81.500	-	-	320
	87	6385	77.000	77.000	-	-	81.500	81.500	-	-	320
	103	6465	77.000	77.000	-	-	81.000	81.500	-	-	320
	119	6545	77.000	77.000	-	-	81.500	81.500	-	-	320
	135	6625	77.000	77.000	-	-	81.500	81.500	-	-	320
	151	6705	77.500	77.000	-	-	81.500	81.500	-	-	320
	167	6785	77.000	77.500	-	-	81.500	81.500	-	-	320
	183	6865	77.000	77.500	-	-	81.500	81.000	-	-	320
	199	6945	77.000	77.500	-	-	81.500	81.500	-	-	320
215	7025	77.000	77.500	-	-	81.500	81.500	-	-	320	

Power Spectral Density Measurement									
Band	CH	Freq. (MHz)		Measurement					
				Ant-0	Ant-1	Maximum Cor'd	Maximum	EIRP PSD	Limit
				dBm/MHz	dBm/MHz	PSD(dBm/MHz)	Gain(dBi)	(dBm/MHz)	(dBm/MHz)
802.11ax HE20	1	5955	full	-17.65	-17.57	-12.49	7.18	-5.31	-5.00
	45	6175	full	-17.33	-17.81	-12.44	7.18	-5.26	-5.00
	93	6415	full	-17.84	-17.12	-12.34	7.18	-5.16	-5.00
	97	6435	full	-17.42	-17.69	-12.43	7.13	-5.30	-5.00
	105	6475	full	-17.62	-17.39	-12.38	7.13	-5.25	-5.00
	113	6515	full	-18.03	-17.19	-12.47	7.13	-5.34	-5.00
	117	6535	full	-18.19	-17.20	-12.54	7.18	-5.36	-5.00
	149	6695	full	-18.47	-17.12	-12.63	7.18	-5.45	-5.00
	181	6855	full	-17.77	-17.76	-12.64	7.18	-5.46	-5.00
	185	6875	full	-18.01	-17.92	-12.84	7.18	-5.66	-5.00
	189	6895	full	-18.40	-17.53	-12.82	7.17	-5.65	-5.00
	209	6995	full	-17.55	-18.11	-12.70	7.17	-5.53	-5.00
802.11ax HE40	233	7095	full	-17.21	-18.39	-12.64	7.17	-5.47	-5.00
	3	5965	full	-18.43	-19.00	-12.34	7.18	-5.16	-5.00
	43	6165	full	-18.44	-18.98	-12.33	7.18	-5.15	-5.00
	91	6405	full	-18.85	-18.99	-12.55	7.18	-5.37	-5.00
	99	6445	full	-18.85	-18.90	-12.51	7.13	-5.38	-5.00
	107	6485	full	-19.14	-19.04	-12.72	7.13	-5.59	-5.00
	115	6525	full	-18.96	-19.05	-12.63	7.18	-5.45	-5.00
	123	6565	full	-19.15	-19.04	-12.73	7.18	-5.55	-5.00
	147	6685	full	-18.92	-19.12	-12.65	7.18	-5.47	-5.00
	179	6845	full	-18.86	-19.20	-12.66	7.18	-5.48	-5.00
	187	6885	full	-19.10	-19.01	-12.69	7.18	-5.51	-5.00
	195	6925	full	-18.30	-19.81	-12.62	7.17	-5.45	-5.00
802.11ax HE80	211	7005	full	-18.90	-19.57	-12.85	7.17	-5.68	-5.00
	227	7085	full	-18.87	-20.04	-13.04	7.17	-5.87	-5.00
	7	5985	full	-20.55	-21.52	-12.97	7.18	-5.79	-5.00
	39	6145	full	-20.10	-20.65	-12.32	7.18	-5.14	-5.00
	87	6385	full	-20.88	-20.59	-12.69	7.18	-5.51	-5.00
	103	6465	full	-20.84	-20.98	-12.87	7.13	-5.74	-5.00
	119	6545	full	-21.02	-20.58	-12.76	7.18	-5.58	-5.00
	135	6625	full	-20.98	-20.87	-12.89	7.18	-5.71	-5.00
	151	6705	full	-21.75	-21.73	-13.70	7.18	-6.52	-5.00
	167	6785	full	-22.42	-22.03	-14.18	7.18	-7.00	-5.00
	183	6865	full	-22.71	-22.95	-14.79	7.18	-7.61	-5.00
	199	6945	full	-22.54	-23.87	-15.11	7.17	-7.94	-5.00
	215	7025	full	-22.65	-22.46	-14.51	7.17	-7.34	-5.00