Appendix A. Test Data

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimun VBW (kHz)
802.11a	5955	30.000	30.000	100.00	0.00	0.03
802.11ax_20	5955	30.000	30.000	100.00	0.00	0.03
802.11ax_40	5965	30.000	30.000	100.00	0.00	0.03
802.11ax_80	5985	30.000	30.000	100.00	0.00	0.03
802.11ax_160	6025	30.000	30.000	100.00	0.00	0.03

RF power setting in Test SW							
Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11a	1	5955	8.5	8.5	-	-	QRCT 4.0.209.0
	45	6175	7	7	-	-	
	93	6415	7	7	-	-	
	97	6435	6.5	6.5	-	-	
	105	6475	7	7	-	-	
	113	6515	7.5	7.5	-	-	
	117	6535	7.5	7.5	-	-	
	149	6695	10	10	-	-	
	181	6855	10.5	10.5	-	-	
	185	6875	10.5	10.5	-	-	
	189	6895	10.5	10.5	-	-	
	209	6995	10	10	-	-	
	233	7115	8.5	8.5	-	-	
802.11ax HE20	1	5955	9	9	-	-	QRCT 4.0.209.0
	45	6175	7	7	-	-	
	93	6415	7.5	7.5	-	-	
	97	6435	7	7	-	-	
	105	6475	7.5	7.5	-	-	
	113	6515	8	8	-	-	
	117	6535	8	8	-	-	
	149	6695	10	10	-	-	
	181	6855	10.5	10.5	-	-	
	185	6875	10.5	10.5	-	-	
	189	6895	10.5	10.5	-	-	
	209	6995	10	10	-	-	
	233	7115	-7	-7	-	-	
802.11ax HE40	3	5965	11	11	-	-	QRCT 4.0.209.0
	43	6165	10	10	-	-	
	91	6405	10.5	10.5	-	-	
	99	6445	10	10	-	-	
	107	6485	10	10	-	-	
	115	6525	11	11	-	-	
	123	6565	11	11	-	-	
	147	6685	10.5	10.5	-	-	
	179	6845	10.5	10.5	-	-	
	187	6885	10.5	10.5	-	-	
	195	6925	11	11	-	-	
	211	7005	12	12	-	-	
	227	7085	12	12	-	-	
802.11ax HE80	7	5985	11	11	-	-	QRCT 4.0.209.0
	39	6145	11.5	11.5	-	-	
	87	6385	11.5	11.5	-	-	
	103	6465	12	12	-	-	
	119	6545	12	12	-	-	
	135	6625	12	12	-	-	
	151	6705	10.5	10.5	-	-	
	167	6785	10.5	10.5	-	-	
	183	6865	10.5	10.5	-	-	
	199	6945	11.5	11.5	-	-	
	215	7025	12	12	-	-	
802.11ax HE160	15	6025	11	11	-	-	QRCT 4.0.209.0
	47	6185	11	11	-	-	
	79	6345	11.5	11.5	-	-	
	111	6505	12	12	-	-	
	143	6665	11	11	-	-	
	175	6825	10.5	10.5	-	-	
	207	6985	11.5	11.5	-	-	

Maximum Conducted Output Power Measurement										
Band	CH	Freq. (MHz)	Measurement							
			Ant-0	Ant-1	Total	Duty Factor (dB)	Directional Gain(dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/MHz)
			dBm/MHz	dBm/MHz	dBm/MHz					
802.11a	1	5955	8.21	7.02	10.67	0.00	3.19	13.86	0.0243	24
	45	6175	6.52	5.31	8.97	0.00	3.19	12.16	0.0164	24
	93	6415	6.55	5.11	8.90	0.00	3.19	12.09	0.0162	24
	97	6435	5.52	4.39	8.00	0.00	3.36	11.36	0.0137	24
	105	6475	6.01	4.41	8.29	0.00	3.36	11.65	0.0146	24
	113	6515	6.27	5.53	8.93	0.00	3.36	12.29	0.0169	24
	117	6535	6.09	5.55	8.84	0.00	3.36	12.20	0.0166	24
	149	6695	9.92	9.51	12.73	0.00	3.36	16.09	0.0406	24
	181	6855	10.91	9.75	13.38	0.00	3.36	16.74	0.0472	24
	185	6875	10.89	9.72	13.35	0.00	3.36	16.71	0.0469	24
	189	6895	10.85	9.71	13.33	0.00	2.40	15.73	0.0374	24
	209	6995	9.24	8.38	11.84	0.00	2.40	14.24	0.0265	24
	233	7115	6.82	7.15	10.00	0.00	2.40	12.40	0.0174	24
802.11ax HE20	1	5955	8.86	8.01	11.47	0.00	5.62	17.09	0.0512	24
	45	6175	6.64	5.38	9.07	0.00	5.62	14.69	0.0294	24
	93	6415	6.34	5.78	9.08	0.00	5.62	14.70	0.0295	24
	97	6435	6.17	5.03	8.65	0.00	5.98	14.63	0.0290	24
	105	6475	6.56	4.98	8.85	0.00	5.98	14.83	0.0304	24
	113	6515	6.86	5.85	9.39	0.00	5.98	15.37	0.0344	24
	117	6535	6.71	5.81	9.29	0.00	5.98	15.27	0.0337	24
	149	6695	10.02	9.60	12.83	0.00	5.98	18.81	0.0760	24
	181	6855	10.91	9.76	13.38	0.00	5.98	19.36	0.0863	24
	185	6875	10.88	9.69	13.34	0.00	5.98	19.32	0.0855	24
	189	6895	10.87	9.79	13.37	0.00	5.21	18.58	0.0721	24
	209	6995	9.13	8.24	11.72	0.00	5.21	16.93	0.0493	24
	233	7115	-8.50	-6.76	-4.53	0.00	5.21	0.68	0.0012	24
802.11ax HE40	3	5965	10.61	9.91	13.28	0.00	5.62	18.90	0.0776	24
	43	6165	9.44	8.49	12.00	0.00	5.62	17.62	0.0578	24
	91	6405	9.21	8.95	12.09	0.00	5.62	17.71	0.0590	24
	99	6445	8.61	8.31	11.47	0.00	5.98	17.45	0.0556	24
	107	6485	8.74	7.94	11.37	0.00	5.98	17.35	0.0543	24
	115	6525	9.42	9.14	12.29	0.00	5.98	18.27	0.0671	24
	123	6565	9.58	9.44	12.52	0.00	5.98	18.50	0.0708	24
	147	6685	10.40	10.12	13.27	0.00	5.98	19.25	0.0841	24
	179	6845	10.84	9.85	13.38	0.00	5.98	19.36	0.0863	24
	187	6885	10.77	9.69	13.27	0.00	5.21	18.48	0.0705	24
	195	6925	10.45	9.86	13.18	0.00	5.21	18.39	0.0690	24
	211	7005	10.85	9.98	13.45	0.00	5.21	18.66	0.0735	24
	227	7085	10.23	10.65	13.46	0.00	5.21	18.67	0.0736	24
802.11ax HE80	7	5985	10.65	9.96	13.33	0.00	5.62	18.95	0.0785	24
	39	6145	10.92	9.94	13.47	0.00	5.62	19.09	0.0811	24
	87	6385	10.50	10.16	13.34	0.00	5.62	18.96	0.0787	24
	103	6465	10.54	9.82	13.21	0.00	5.98	19.19	0.0830	24
	119	6545	10.38	10.45	13.43	0.00	5.98	19.41	0.0873	24
	135	6625	10.86	10.01	13.47	0.00	5.98	19.45	0.0881	24
	151	6705	10.73	10.12	13.45	0.00	5.98	19.43	0.0877	24
	167	6785	10.66	9.77	13.25	0.00	5.98	19.23	0.0838	24
	183	6865	10.62	9.69	13.19	0.00	5.98	19.17	0.0826	24
	199	6945	10.72	9.71	13.25	0.00	5.21	18.46	0.0701	24
	215	7025	10.74	10.10	13.44	0.00	5.21	18.65	0.0733	24
802.11ax HE160	15	6025	10.82	10.07	13.47	0.00	5.62	19.09	0.0811	24
	47	6185	10.62	9.77	13.23	0.00	5.62	18.85	0.0767	24
	79	6345	10.61	10.32	13.48	0.00	5.62	19.10	0.0813	24
	111	6505	10.57	10.18	13.39	0.00	5.98	19.37	0.0865	24
	143	6665	10.61	10.19	13.42	0.00	5.98	19.40	0.0871	24
	175	6825	10.83	9.75	13.33	0.00	5.98	19.31	0.0853	24
	207	6985	10.65	9.95	13.32	0.00	5.21	18.53	0.0713	24

26 dB & 99 % RF Bandwidth Measurement										
Band	CH	Freq. (MHz)	99 % Bandwidth				26 dB Bandwidth			
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
			MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
802.11a	1	5955	16.632	16.500	-	-	19.950	19.640	-	-
	45	6175	16.558	16.538	-	-	19.790	19.450	-	-
	93	6415	16.597	16.550	-	-	20.000	19.550	-	-
	97	6435	16.607	16.551	-	-	20.050	19.480	-	-
	105	6475	16.594	16.547	-	-	20.000	19.640	-	-
	113	6515	16.613	16.574	-	-	19.760	19.330	-	-
	117	6535	16.536	16.561	-	-	19.790	19.570	-	-
	149	6695	16.570	16.535	-	-	19.660	19.390	-	-
	181	6855	16.595	16.521	-	-	20.180	19.470	-	-
	185	6875	16.594	16.515	-	-	19.810	19.550	-	-
	189	6895	16.583	16.578	-	-	20.000	19.030	-	-
	209	6995	16.576	16.510	-	-	19.620	19.810	-	-
	233	7115	16.571	16.528	-	-	19.650	19.290	-	-
802.11ax HE20	1	5955	19.051	19.014	-	-	21.150	21.180	-	-
	45	6175	19.031	19.012	-	-	21.210	20.770	-	-
	93	6415	19.045	19.016	-	-	21.150	20.790	-	-
	97	6435	19.059	18.976	-	-	20.760	20.780	-	-
	105	6475	18.990	19.035	-	-	20.980	20.880	-	-
	113	6515	19.005	18.948	-	-	21.090	20.920	-	-
	117	6535	19.044	19.010	-	-	21.390	20.970	-	-
	149	6695	19.019	18.947	-	-	21.270	21.110	-	-
	181	6855	18.992	19.029	-	-	21.470	21.100	-	-
	185	6875	19.011	19.039	-	-	21.150	21.070	-	-
	189	6895	18.965	18.983	-	-	21.090	21.200	-	-
	209	6995	19.021	18.973	-	-	21.170	20.990	-	-
	233	7115	18.996	19.003	-	-	21.230	21.240	-	-
802.11ax HE40	3	5965	37.867	37.920	-	-	40.760	41.460	-	-
	43	6165	37.796	37.917	-	-	40.510	40.990	-	-
	91	6405	37.770	37.968	-	-	40.760	40.920	-	-
	99	6445	37.866	37.853	-	-	40.850	40.790	-	-
	107	6485	37.908	37.895	-	-	40.720	40.590	-	-
	115	6525	37.820	37.966	-	-	40.470	40.730	-	-
	123	6565	37.908	37.810	-	-	40.720	41.070	-	-
	147	6685	37.855	37.849	-	-	40.840	41.540	-	-
	179	6845	37.813	37.835	-	-	40.870	40.750	-	-
	187	6885	37.798	37.948	-	-	40.950	41.060	-	-
	195	6925	37.795	37.810	-	-	40.770	40.720	-	-
	211	7005	37.838	37.889	-	-	40.820	40.950	-	-
	227	7085	37.848	37.848	-	-	40.600	41.040	-	-
802.11ax HE80	7	5985	77.348	77.390	-	-	84.010	83.400	-	-
	39	6145	77.327	77.266	-	-	82.970	82.570	-	-
	87	6385	77.344	77.149	-	-	83.140	83.070	-	-
	103	6465	77.371	77.505	-	-	82.570	82.400	-	-
	119	6545	77.514	77.275	-	-	83.040	82.670	-	-
	135	6625	77.233	77.398	-	-	83.490	83.040	-	-
	151	6705	77.280	77.215	-	-	83.730	82.760	-	-
	167	6785	77.156	77.228	-	-	83.190	82.320	-	-
	183	6865	77.086	77.246	-	-	82.700	82.680	-	-
	199	6945	77.305	77.337	-	-	82.840	83.210	-	-
	215	7025	77.263	77.516	-	-	82.560	83.740	-	-
802.11ax HE160	15	6025	156.480	155.750	-	-	165.300	164.600	-	-
	47	6185	155.830	155.980	-	-	165.600	166.600	-	-
	79	6345	156.260	155.850	-	-	166.100	166.000	-	-
	111	6505	156.570	155.780	-	-	167.300	165.200	-	-
	143	6665	156.600	156.300	-	-	165.300	164.500	-	-
	175	6825	156.630	155.950	-	-	164.800	165.300	-	-
	207	6985	156.340	156.550	-	-	165.000	165.100	-	-