

Appendix A. Test Data

Duty cycle						
Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a	5180	2.115	2.120	99.764	0.010	0.010
802.11n HT20	5180	15.000	15.000	100.000	0.000	0.010
802.11n HT40	5190	5.412	5.420	99.852	0.006	0.010
802.11ac VHT20	5180	15.000	15.000	100.000	0.000	0.010
802.11ac VHT40	5190	5.416	5.424	99.853	0.006	0.010
802.11ac VHT80	5210	5.436	5.444	99.853	0.006	0.010
802.11ac VHT160	5250	5.420	5.428	99.853	0.006	0.010
802.11ax HE20	5180	15.000	15.000	100.000	0.000	0.010
802.11ax HE40	5190	5.376	5.384	99.851	0.006	0.010
802.11ax HE80	5210	5.440	5.448	99.853	0.006	0.010
802.11ax HE160	5250	4.528	4.536	99.824	0.008	0.010

5 GHz Band Config			
Mode	Channel	Freq. (MHz)	Data Rate
802.11a	36	5180	6M
802.11a	40	5200	6M
802.11a	48	5240	6M
802.11a	52	5260	6M
802.11a	56	5280	6M
802.11a	64	5320	6M
802.11a	100	5500	6M
802.11a	112	5560	6M
802.11a	140	5700	6M
802.11a	144	5720	6M
802.11a	149	5745	6M
802.11a	157	5785	6M
802.11a	165	5825	6M
802.11n HT20	36	5180	MCS 0
802.11n HT20	40	5200	MCS 0
802.11n HT20	48	5240	MCS 0
802.11n HT20	52	5260	MCS 0
802.11n HT20	56	5280	MCS 0
802.11n HT20	64	5320	MCS 0
802.11n HT20	100	5500	MCS 0
802.11n HT20	112	5560	MCS 0
802.11n HT20	140	5700	MCS 0
802.11n HT20	144	5720	MCS 0
802.11n HT20	149	5745	MCS 0
802.11n HT20	157	5785	MCS 0
802.11n HT20	165	5825	MCS 0
802.11n HT40	38	5190	MCS 0
802.11n HT40	46	5230	MCS 0
802.11n HT40	54	5270	MCS 0
802.11n HT40	62	5310	MCS 0
802.11n HT40	102	5510	MCS 0
802.11n HT40	110	5550	MCS 0
802.11n HT40	134	5670	MCS 0
802.11n HT40	142	5710	MCS 0
802.11n HT40	151	5755	MCS 0
802.11n HT40	159	5795	MCS 0

5 GHz Band Config			
Mode	Channel	Freq. (MHz)	Data Rate
802.11ac VHT20	36	5180	MCS 0
802.11ac VHT20	40	5200	MCS 0
802.11ac VHT20	48	5240	MCS 0
802.11ac VHT20	52	5260	MCS 0
802.11ac VHT20	56	5280	MCS 0
802.11ac VHT20	64	5320	MCS 0
802.11ac VHT20	100	5500	MCS 0
802.11ac VHT20	112	5560	MCS 0
802.11ac VHT20	140	5700	MCS 0
802.11ac VHT20	144	5720	MCS 0
802.11ac VHT20	149	5745	MCS 0
802.11ac VHT20	157	5785	MCS 0
802.11ac VHT20	165	5825	MCS 0
802.11ac VHT40	38	5190	MCS 0
802.11ac VHT40	46	5230	MCS 0
802.11ac VHT40	54	5270	MCS 0
802.11ac VHT40	62	5310	MCS 0
802.11ac VHT40	102	5510	MCS 0
802.11ac VHT40	110	5550	MCS 0
802.11ac VHT40	134	5670	MCS 0
802.11ac VHT40	142	5710	MCS 0
802.11ac VHT40	151	5755	MCS 0
802.11ac VHT40	159	5795	MCS 0
802.11ac VHT80	42	5210	MCS 0
802.11ac VHT80	58	5290	MCS 0
802.11ac VHT80	106	5530	MCS 0
802.11ac VHT80	122	5610	MCS 0
802.11ac VHT80	138	5690	MCS 0
802.11ac VHT80	155	5775	MCS 0
802.11ac VHT160	50	5250	MCS 0
802.11ac VHT160	114	5570	MCS 0

5 GHz Band Config			
Mode	Channel	Freq. (MHz)	Data Rate
802.11ax HE20	36	5180	MCS 0
802.11ax HE20	40	5200	MCS 0
802.11ax HE20	48	5240	MCS 0
802.11ax HE20	52	5260	MCS 0
802.11ax HE20	56	5280	MCS 0
802.11ax HE20	64	5320	MCS 0
802.11ax HE20	100	5500	MCS 0
802.11ax HE20	112	5560	MCS 0
802.11ax HE20	140	5700	MCS 0
802.11ax HE20	144	5720	MCS 0
802.11ax HE20	149	5745	MCS 0
802.11ax HE20	157	5785	MCS 0
802.11ax HE20	165	5825	MCS 0
802.11ax HE40	38	5190	MCS 0
802.11ax HE40	46	5230	MCS 0
802.11ax HE40	54	5270	MCS 0
802.11ax HE40	62	5310	MCS 0
802.11ax HE40	102	5510	MCS 0
802.11ax HE40	110	5550	MCS 0
802.11ax HE40	134	5670	MCS 0
802.11ax HE40	142	5710	MCS 0
802.11ax HE40	151	5755	MCS 0
802.11ax HE40	159	5795	MCS 0
802.11ax HE80	42	5210	MCS 0
802.11ax HE80	58	5290	MCS 0
802.11ax HE80	106	5530	MCS 0
802.11ax HE80	122	5610	MCS 0
802.11ax HE80	138	5690	MCS 0
802.11ax HE80	155	5775	MCS 0
802.11ax HE160	50	5250	MCS 0
802.11ax HE160	114	5570	MCS 0

5 GHz Band Config					
Mode	Channel	Freq. (MHz)	Data Rate	Single RU	
				RU Config	RU Num.
802.11ax HE20	36	5180	MCS0	26	0
802.11ax HE20	64	5320	MCS0	26	8
802.11ax HE20	100	5500	MCS0	26	0
802.11ax HE20	140	5700	MCS0	26	8
802.11ax HE20	144	5720	MCS0	26	0
802.11ax HE20	149	5745	MCS0	26	0
802.11ax HE20	165	5825	MCS0	26	8
802.11ax HE20	36	5180	MCS0	52	74
802.11ax HE20	64	5320	MCS0	52	77
802.11ax HE20	100	5500	MCS0	52	74
802.11ax HE20	140	5700	MCS0	52	77
802.11ax HE20	144	5720	MCS0	52	74
802.11ax HE20	149	5745	MCS0	52	74
802.11ax HE20	165	5825	MCS0	52	77
802.11ax HE20	36	5180	MCS0	106	106
802.11ax HE20	64	5320	MCS0	106	107
802.11ax HE20	100	5500	MCS0	106	106
802.11ax HE20	140	5700	MCS0	106	107
802.11ax HE20	144	5720	MCS0	106	106
802.11ax HE20	149	5745	MCS0	106	106
802.11ax HE20	165	5825	MCS0	106	107
802.11ax HE40	38	5190	MCS0	26	0
802.11ax HE40	62	5310	MCS0	26	17
802.11ax HE40	102	5510	MCS0	26	0
802.11ax HE40	134	5670	MCS0	26	17
802.11ax HE40	142	5710	MCS0	26	0
802.11ax HE40	151	5755	MCS0	26	0
802.11ax HE40	159	5795	MCS0	26	17
802.11ax HE40	38	5190	MCS0	52	74
802.11ax HE40	62	5310	MCS0	52	81
802.11ax HE40	102	5510	MCS0	52	74
802.11ax HE40	134	5670	MCS0	52	81
802.11ax HE40	142	5710	MCS0	52	74
802.11ax HE40	151	5755	MCS0	52	74
802.11ax HE40	159	5795	MCS0	52	81
802.11ax HE40	38	5190	MCS0	106	106
802.11ax HE40	62	5310	MCS0	106	109
802.11ax HE40	102	5510	MCS0	106	106
802.11ax HE40	134	5670	MCS0	106	109
802.11ax HE40	142	5710	MCS0	106	106
802.11ax HE40	151	5755	MCS0	106	106
802.11ax HE40	159	5795	MCS0	106	109
802.11ax HE40	38	5190	MCS0	242	122
802.11ax HE40	62	5310	MCS0	242	123
802.11ax HE40	102	5510	MCS0	242	122
802.11ax HE40	134	5670	MCS0	242	123
802.11ax HE40	142	5710	MCS0	242	122
802.11ax HE40	151	5755	MCS0	242	122
802.11ax HE40	159	5795	MCS0	242	123
802.11ax HE80	42	5210	MCS0	26	0
802.11ax HE80	58	5290	MCS0	26	36
802.11ax HE80	106	5530	MCS0	26	0
802.11ax HE80	122	5610	MCS0	26	36
802.11ax HE80	138	5690	MCS0	26	0

802.11ax HE80	155	5775	MCS0	26	0
802.11ax HE80	42	5210	MCS0	52	74
802.11ax HE80	58	5290	MCS0	52	89
802.11ax HE80	106	5530	MCS0	52	72
802.11ax HE80	122	5610	MCS0	52	89
802.11ax HE80	138	5690	MCS0	52	74
802.11ax HE80	155	5775	MCS0	52	74
802.11ax HE80	42	5210	MCS0	106	106
802.11ax HE80	58	5290	MCS0	106	113
802.11ax HE80	106	5530	MCS0	106	106
802.11ax HE80	122	5610	MCS0	106	113
802.11ax HE80	138	5690	MCS0	106	106
802.11ax HE80	155	5775	MCS0	106	106
802.11ax HE80	42	5210	MCS0	242	122
802.11ax HE80	58	5290	MCS0	242	125
802.11ax HE80	106	5530	MCS0	242	122
802.11ax HE80	122	5610	MCS0	242	125
802.11ax HE80	138	5690	MCS0	242	122
802.11ax HE80	155	5775	MCS0	242	122
802.11ax HE80	42	5210	MCS0	484	130
802.11ax HE80	58	5290	MCS0	484	131
802.11ax HE80	106	5530	MCS0	484	130
802.11ax HE80	122	5610	MCS0	484	131
802.11ax HE80	138	5690	MCS0	484	130
802.11ax HE80	155	5775	MCS0	484	130
802.11ax HE160	50	5250	MCS0	26	0
802.11ax HE160	50	5250	MCS0	26	73
802.11ax HE160	114	5570	MCS0	26	0
802.11ax HE160	114	5570	MCS0	26	73

802.11ax HE160	50	5250	MCS0	52	74
802.11ax HE160	50	5250	MCS0	52	105
802.11ax HE160	114	5570	MCS0	52	74
802.11ax HE160	114	5570	MCS0	52	105
802.11ax HE160	50	5250	MCS0	106	106
802.11ax HE160	50	5250	MCS0	106	121
802.11ax HE160	114	5570	MCS0	106	106
802.11ax HE160	114	5570	MCS0	106	121
802.11ax HE160	50	5250	MCS0	242	122
802.11ax HE160	50	5250	MCS0	242	129
802.11ax HE160	114	5570	MCS0	242	122
802.11ax HE160	114	5570	MCS0	242	129
802.11ax HE160	50	5250	MCS0	484	130
802.11ax HE160	50	5250	MCS0	484	133
802.11ax HE160	114	5570	MCS0	484	130
802.11ax HE160	114	5570	MCS0	484	133
802.11ax HE160	50	5250	MCS0	996	134
802.11ax HE160	50	5250	MCS0	996	135
802.11ax HE160	114	5570	MCS0	996	134
802.11ax HE160	114	5570	MCS0	996	135

Maximum Conducted Output Power Measurement					
Mode	CH	Frequency (MHz)	Average power		Limit
			Ant-0	Ant-1	
			dBm	dBm	dBm
802.11a	36	5180	16.29	16.16	24.00
	40	5200	19.89	19.84	24.00
	48	5240	19.83	19.74	24.00
	52	5260	19.67	19.64	24.00
	56	5280	19.81	19.78	24.00
	64	5320	17.27	17.11	24.00
	100	5500	16.88	16.68	24.00
	112	5560	19.89	19.73	24.00
	140	5700	15.93	15.62	24.00
	144	5720	19.82	19.70	24.00
	149	5745	19.86	19.82	30.00
	157	5785	19.89	19.87	30.00
	165	5825	19.64	19.62	30.00
802.11n HT20	36	5180	16.34	16.09	24.00
	40	5200	19.60	19.56	24.00
	48	5240	19.60	19.56	24.00
	52	5260	19.68	19.52	24.00
	56	5280	19.56	19.53	24.00
	64	5320	17.25	17.04	24.00
	100	5500	16.77	16.56	24.00
	112	5560	19.73	19.64	24.00
	140	5700	16.31	16.08	24.00
	144	5720	19.74	19.64	24.00
	149	5745	19.61	19.57	30.00
	157	5785	19.73	19.62	30.00
	165	5825	19.52	19.49	30.00
802.11n HT40	38	5190	14.75	14.56	24.00
	46	5230	19.70	19.55	24.00
	54	5270	19.69	19.66	24.00
	62	5310	15.82	15.68	24.00
	102	5510	15.66	15.59	24.00
	110	5550	19.73	19.54	24.00
	134	5670	16.80	16.73	24.00
	142	5710	19.77	19.50	24.00
	151	5755	17.28	17.06	30.00
	159	5795	16.20	16.01	30.00

Maximum Conducted Output Power Measurement					
Mode	CH	Frequency (MHz)	Average power		Limit
			Ant-0	Ant-1	
			dBm	dBm	dBm
802.11ac VHT20	36	5180	16.35	16.12	24.00
	40	5200	19.63	19.59	24.00
	48	5240	19.66	19.59	24.00
	52	5260	19.70	19.53	24.00
	56	5280	19.59	19.55	24.00
	64	5320	17.29	17.03	24.00
	100	5500	16.88	16.58	24.00
	112	5560	19.78	19.70	24.00
	140	5700	16.36	16.17	24.00
	144	5720	19.76	19.65	24.00
	149	5745	19.77	19.70	30.00
	157	5785	19.77	19.76	30.00
802.11ac VHT40	165	5825	19.62	19.60	30.00
	38	5190	14.79	14.60	24.00
	46	5230	19.72	19.60	24.00
	54	5270	19.80	19.78	24.00
	62	5310	15.87	15.82	24.00
	102	5510	15.77	15.54	24.00
	110	5550	19.80	19.68	24.00
	134	5670	16.98	16.79	24.00
	142	5710	19.79	19.55	24.00
	151	5755	17.40	17.01	30.00
802.11ac VHT80	159	5795	16.34	16.08	30.00
	42	5210	15.34	14.95	24.00
	58	5290	13.74	13.60	24.00
	106	5530	13.37	13.00	24.00
	122	5610	16.69	16.51	24.00
	138	5690	19.82	19.53	24.00
802.11ac VHT160	155	5775	15.64	15.42	30.00
	50	5250	12.75	12.64	24.00
	114	5570	11.90	11.69	24.00

Maximum Conducted Output Power Measurement					
Mode	CH	Frequency (MHz)	Average power		Limit
			Ant-0	Ant-1	
			dBm	dBm	dBm
802.11ax HE20	36	5180	15.81	15.66	24.00
	40	5200	19.77	19.73	24.00
	48	5240	19.69	19.64	24.00
	52	5260	19.71	19.59	24.00
	56	5280	19.68	19.57	24.00
	64	5320	16.26	16.11	24.00
	100	5500	15.94	15.84	24.00
	112	5560	19.88	19.78	24.00
	140	5700	15.48	15.36	24.00
	144	5720	19.88	19.87	24.00
	149	5745	19.85	19.73	30.00
	157	5785	19.86	19.78	30.00
	165	5825	19.77	19.66	30.00
802.11ax HE40	38	5190	15.36	15.21	24.00
	46	5230	19.89	19.71	24.00
	54	5270	19.86	19.82	24.00
	62	5310	15.94	15.83	24.00
	102	5510	15.80	15.69	24.00
	110	5550	19.85	19.65	24.00
	134	5670	16.37	16.28	24.00
	142	5710	19.83	19.73	24.00
	151	5755	16.92	16.62	30.00
	159	5795	16.43	16.15	30.00
802.11ax HE80	42	5210	15.32	15.15	24.00
	58	5290	15.34	15.25	24.00
	106	5530	14.44	14.06	24.00
	122	5610	17.24	17.15	24.00
	138	5690	19.85	19.73	24.00
	155	5775	19.67	19.63	30.00
802.11ax HE160	50	5250	14.34	14.18	24.00
	114	5570	14.83	14.73	24.00

Maximum Conducted Output Power Measurement					
Mode	CH	Freq. (MHz)	Single RU	Average power	Limit
				Ant-0	
				dBm	dBm
802.11ax HE20	36	5180	26/0	13.11	24.00
	64	5320	26/8	13.87	24.00
	100	5500	26/0	13.58	24.00
	140	5700	26/8	13.44	24.00
	144	5720	26/0	13.49	24.00
	149	5745	26/0	18.66	30.00
	165	5825	26/8	18.46	30.00
802.11ax HE20	36	5180	52/74	15.75	24.00
	64	5320	52/77	16.23	24.00
	100	5500	52/74	15.89	24.00
	140	5700	52/77	15.46	24.00
	144	5720	52/74	16.03	24.00
	149	5745	52/74	18.53	30.00
	165	5825	52/77	18.24	30.00
802.11ax HE20	36	5180	106/106	15.77	24.00
	64	5320	106/107	16.17	24.00
	100	5500	106/106	15.92	24.00
	140	5700	106/107	15.45	24.00
	144	5720	106/106	19.19	24.00
	149	5745	106/106	19.64	30.00
	165	5825	106/107	19.43	30.00

Band	CH	Freq. (MHz)	Single RU	Average power	Limit
				Ant-0	
				dBm	dBm
802.11ax HE40	38	5190	26/0	13.02	24.00
	62	5310	26/17	13.76	24.00
	102	5510	26/0	13.49	24.00
	134	5670	26/17	13.38	24.00
	142	5710	26/0	13.39	24.00
	151	5755	26/0	18.58	30.00
	159	5795	26/17	18.41	30.00
802.11ax HE80	42	5210	26/0	12.98	24.00
	58	5290	26/36	13.80	24.00
	106	5530	26/0	13.49	24.00
	122	5610	26/36	13.38	24.00
	138	5690	26/0	13.36	24.00
	155	5775	26/0	18.41	30.00
802.11ax HE40	38	5190	52/74	15.61	24.00
	62	5310	52/81	16.15	24.00
	102	5510	52/74	15.82	24.00
	134	5670	52/81	15.33	24.00
	142	5710	52/74	15.96	24.00
	151	5755	52/74	18.40	30.00
	159	5795	52/81	18.10	30.00
802.11ax HE80	42	5210	52/74	15.66	24.00
	58	5290	52/89	16.18	24.00
	106	5530	52/74	15.79	24.00
	122	5610	52/89	15.37	24.00
	138	5690	52/74	15.91	24.00
	155	5775	52/74	18.12	30.00

Band	CH	Freq. (MHz)	Single RU	Average power	Limit
				Ant-0	
				dBm	dBm
802.11ax HE40	38	5190	106/106	15.68	24.00
	62	5310	106/109	16.08	24.00
	102	5510	106/106	15.86	24.00
	134	5670	106/109	15.31	24.00
	142	5710	106/106	19.14	24.00
	151	5755	106/106	19.54	30.00
	159	5795	106/109	19.29	30.00
802.11ax HE80	42	5210	106/106	15.72	24.00
	58	5290	106/113	16.09	24.00
	106	5530	106/106	15.78	24.00
	122	5610	106/113	15.36	24.00
	138	5690	106/106	19.07	24.00
	155	5775	106/106	19.38	30.00
802.11ax HE40	38	5190	242/122	15.75	24.00
	62	5310	242/123	16.14	24.00
	102	5510	242/122	15.93	24.00
	134	5670	242/123	15.38	24.00
	142	5710	242/122	19.76	24.00
	151	5755	242/122	19.71	30.00
	159	5795	242/123	19.67	30.00
802.11ax HE80	42	5210	242/122	15.70	24.00
	58	5290	242/125	16.15	24.00
	106	5530	242/122	15.89	24.00
	122	5610	242/125	15.36	24.00
	138	5690	242/122	19.82	24.00
	155	5775	242/122	19.66	30.00

Band	CH	Freq. (MHz)	Single RU	Average power	Limit
				Ant-0	
				dBm	dBm
802.11ax HE80	42	5210	484/130	15.25	24.00
	58	5290	484/131	15.82	24.00
	106	5530	484/130	15.69	24.00
	122	5610	484/131	16.29	24.00
	138	5690	484/130	19.74	24.00
	155	5775	484/130	16.31	30.00
802.11ax HE160	50	5250	26/0	13.06	24.00
	50	5250	26/73	13.80	24.00
	114	5570	26/0	13.47	24.00
	114	5570	26/73	13.32	24.00
802.11ax HE160	50	5250	52/74	15.64	24.00
	50	5250	52/105	16.18	24.00
	114	5570	52/74	15.77	24.00
	114	5570	52/105	15.34	24.00
802.11ax HE160	50	5250	106/106	15.63	24.00
	50	5250	106/121	16.11	24.00
	114	5570	106/106	15.87	24.00
	114	5570	106/121	15.36	24.00
802.11ax HE160	50	5250	242/122	15.76	24.00
	50	5250	242/129	16.17	24.00
	114	5570	242/122	15.93	24.00
	114	5570	242/129	15.43	24.00
802.11ax HE160	50	5250	484/130	15.24	24.00
	50	5250	484/133	15.87	24.00
	114	5570	484/130	15.73	24.00
	114	5570	484/133	16.31	24.00
802.11ax HE160	50	5250	996/134	15.18	24.00
	50	5250	996/135	15.25	24.00
	114	5570	996/134	14.37	24.00
	114	5570	996/135	17.23	24.00

Maximum Conducted Output Power Measurement								
Mode	Date Rate or Sub-test	CH	Frequency (MHz)	Average power		E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Gain	Calculated Results	
				dBm	dBm	dB	dBm	
802.11a	6M	169	5845	19.22	19.15	5.40	24.62	30.00
		173	5865	19.69	19.65	5.40	25.09	30.00
		177	5885	19.38	19.32	5.40	24.78	30.00
802.11n HT20	MCS 0	169	5845	19.57	19.46	5.40	24.97	30.00
		173	5865	19.55	19.47	5.40	24.95	30.00
		177	5885	19.49	19.43	5.40	24.89	30.00
802.11n HT40	MCS 0	167	5835	19.82	19.56	5.40	25.22	30.00
		175	5875	16.83	16.52	5.40	22.23	30.00

Mode	Date Rate or Sub-test	CH	Frequency (MHz)	Average power		E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Gain	Calculated Results	
				dBm	dBm	dB	dBm	
802.11ac VHT20	MCS 0	169	5845	19.65	19.53	5.40	25.05	30.00
		173	5865	19.74	19.56	5.40	25.14	30.00
		177	5885	19.54	19.48	5.40	24.94	30.00
802.11ac VHT40	MCS 0	167	5835	19.85	19.62	5.40	25.25	30.00
		175	5875	16.85	16.61	5.40	22.25	30.00
802.11ac VHT80	MCS 0	171	5855	16.37	16.18	5.40	21.77	30.00
802.11ac VHT160	MCS 0	163	5815	15.61	15.55	5.40	21.01	30.00

Mode	Date Rate or Sub-test	CH	Freq. (MHz)	RU	RU Number	Average power		E.I.R.P		EIRP Power Limit
						Ant-0	Ant-1	Gain	Calculated Results	
						dBm	dBm	dB	dBm	
802.11ax HE20	MCS 0	169	5845	242	122	19.82	19.66	5.40	25.22	30.00
		173	5865	242	122	19.88	19.61	5.40	25.28	30.00
		177	5885	242	122	11.70	11.58	5.40	17.10	30.00
802.11ax HE40	MCS0	167	5835	484	130	19.88	19.75	5.40	25.28	30.00
		175	5875	484	130	16.49	16.25	5.40	21.89	30.00
802.11ax HE80	MCS 0	171	5855	996	134	15.92	15.74	5.40	21.32	30.00
802.11ax HE160	MCS 0	163	5815	1992	136	16.70	16.55	5.40	22.10	30.00
Mode	Date Rate or Sub-test	CH	Freq. (MHz)	RU	RU Number	Average power		E.I.R.P		EIRP Power Limit
						Ant-0	Ant-1	Gain	Calculated Results	
						dBm	dBm	dB	dBm	
802.11ax HE20	MCS 0	169	5845	26	0	10.83	-	5.40	16.23	30.00
		177	5885	26	8	2.72	-	5.40	8.12	30.00
		169	5845	52	74	13.35	-	5.40	18.75	30.00
	MCS 0	177	5885	52	77	7.37	-	5.40	12.77	30.00
		169	5845	106	106	16.35	-	5.40	21.75	30.00
		177	5885	106	107	8.03	-	5.40	13.43	30.00
802.11ax HE40	MCS 0	167	5835	26	0	10.77	-	5.40	16.17	30.00
		175	5875	26	17	2.70	-	5.40	8.10	30.00
	MCS 0	167	5835	52	74	13.34	-	5.40	18.74	30.00
		175	5875	52	81	7.35	-	5.40	12.75	30.00
		167	5835	106	106	16.32	-	5.40	21.72	30.00
	MCS 0	175	5875	106	109	8.00	-	5.40	13.40	30.00
		167	5835	242	122	19.57	-	5.40	24.97	30.00
		175	5875	242	123	11.58	-	5.40	16.98	30.00
802.11ax HE80	MCS 0	171	5855	26	0	10.78	-	5.40	16.18	30.00
		171	5855	52	74	13.34	-	5.40	18.74	30.00
		171	5855	106	106	16.27	-	5.40	21.67	30.00
		171	5855	242	122	19.60	-	5.40	25.00	30.00
		171	5855	484	130	19.50	-	5.40	24.90	30.00
802.11ax HE160	MCS 0	163	5815	26	0	10.71	-	5.40	16.11	30.00
		163	5815	52	74	13.24	-	5.40	18.64	30.00
		163	5815	106	106	16.30	-	5.40	21.70	30.00
		163	5815	242	122	19.73	-	5.40	25.13	30.00
		163	5815	484	130	19.52	-	5.40	24.92	30.00
		163	5815	996	134	15.76	-	5.40	21.16	30.00

26 dB & 99 % RF Bandwidth Measurement				
Mode	CH	Freq. (MHz)	99 % Bandwidth	26 dB Bandwidth
			Ant-0	Ant-0
			MHz	MHz
802.11a	36	5180	16.511	20.320
	40	5200	17.005	31.640
	48	5240	16.887	25.640
	52	5260	16.667	22.020
	56	5280	16.779	23.120
	64	5320	16.547	20.870
	100	5500	16.580	20.800
	112	5560	17.170	32.540
	140	5700	16.587	20.750
	144	5720	18.081	24.200

26 dB & 99 % RF Bandwidth Measurement				
Mode	CH	Freq. (MHz)	99 % Bandwidth	26 dB Bandwidth
			Ant-0	Ant-0
			MHz	MHz
802.11ac VHT20	36	5180	17.697	21.100
	40	5200	17.873	24.630
	48	5240	17.798	22.630
	52	5260	17.738	21.720
	56	5280	17.760	22.310
	64	5320	17.668	21.130
	100	5500	17.659	21.240
	112	5560	18.522	32.370
	140	5700	17.700	21.170
	144	5720	15.879	24.840
802.11ac VHT40	38	5190	36.104	40.290
	46	5230	36.412	60.510
	54	5270	36.354	48.110
	62	5310	36.110	40.550
	102	5510	36.129	40.990
	110	5550	36.337	48.630
	134	5670	36.397	49.550
	142	5710	46.215	60.650
802.11ac VHT80	42	5210	75.507	82.410
	58	5290	75.427	82.630
	106	5530	75.482	82.690
	122	5610	75.678	83.870
	138	5690	73.021	109.690
802.11ac VHT160	50	5250	76.447	82.340
	50	5250	76.283	82.870
	114	5570	154.722	166.980

26 dB & 99 % RF Bandwidth Measurement				
Mode	CH	Freq. (MHz)	99 % Bandwidth	26 dB Bandwidth
			Ant-0	Ant-0
			MHz	MHz
802.11ax HE20	36	5180	18.994	21.300
	40	5200	19.161	28.150
	48	5240	19.202	28.530
	52	5260	19.086	22.320
	56	5280	19.185	25.090
	64	5320	18.993	21.690
	100	5500	19.006	21.570
	112	5560	21.905	41.470
	140	5700	19.034	21.600
	144	5720	18.491	25.880
802.11ax HE40	38	5190	37.821	41.410
	46	5230	38.020	49.080
	54	5270	37.976	42.000
	62	5310	37.845	40.830
	102	5510	37.804	41.040
	110	5550	38.198	61.770
	134	5670	37.813	41.020
	142	5710	34.014	53.290
802.11ax HE80	42	5210	77.152	83.900
	58	5290	77.100	82.860
	106	5530	77.256	83.070
	122	5610	77.614	86.660
	138	5690	74.256	112.480
802.11ax HE160	50	5250	77.666	81.490
	50	5250	77.740	82.570
	114	5570	155.978	166.540

Band III_6 dB & 99 % RF Bandwidth Measurement				
Mode	CH	Freq. (MHz)	99 % Bandwidth	6 dB Bandwidth
			Ant-0	Ant-0
			MHz	kHz
802.11a	144	5720	8.780	3134
	149	5745	22.501	16030
	157	5785	33.836	16250
	165	5825	33.474	16310
802.11ac VHT20	144	5720	7.797	3770
	149	5745	18.245	16940
	157	5785	29.920	17320
	165	5825	27.972	17560
802.11ac VHT40	142	5710	9.582	3182
	151	5755	36.823	36290
	159	5795	36.372	35950
802.11ac VHT80	138	5690	18.463	3184
	155	5775	75.369	75210
802.11ax HE20	144	5720	8.819	4207
	149	5745	27.916	18610
	157	5785	34.979	18600
	165	5825	31.195	18760
802.11ax HE40	142	5710	7.630	3976
	151	5755	37.928	37700
	159	5795	37.910	37610
802.11ax HE80	138	5690	18.212	4050
	155	5775	78.361	76310

Band IV_6 dB & 99 % RF Bandwidth Measurement					
Mode	CH	Freq. (MHz)	99 % Bandwidth	26 dB Bandwidth	6 dB Bandwidth
			Ant-0	Ant-0	Ant-0
			MHz	MHz	kHz
802.11a	169	5845	16.799	21.080	16070.000
	173	5865	16.755	21.210	16300.000
	177	5865	16.825	21.270	16290.000
802.11ac VHT20	169	5845	17.950	22.640	16560.000
	173	5865	17.947	23.000	16910.000
	177	5865	17.917	21.990	17560.000
802.11ac VHT40	167	5835	36.621	62.870	36280.000
	175	5875	36.205	40.840	35950.000
802.11ac VHT80	171	5855	75.466	75.584	70180.000
802.11ac VHT160	163	5815	155.140	167.000	155400.000
802.11ax HE20	169	5845	19.301	29.450	18770.000
	173	5865	19.376	30.540	18370.000
	177	5865	19.050	21.250	18480.000
	167	5835	38.616	78.370	37790.000
802.11ax HE40	175	5875	37.927	40.550	37620.000
	171	5855	77.255	83.180	76390.000
802.11ax HE80	171	5855	77.255	83.180	76390.000
802.11ax HE160	163	5815	156.660	166.900	156400.000

Band IV_ Power Spectral Density Measurement									
Mode	CH	Frequency (MHz)	RU	Measurement		Calculated		EIRPLimit	PASS/FAIL
				Ant-0		Gain	EIRP Total		
				dBm/100 kHz	dBm/1MHz	dBi	dBm/1MHz		
802.11ax HE20	169	5845	26/0	-1.740	8.260	5.400	13.66	14.00	PASS
	177	5865	26/8	-9.240	0.760	5.400	6.16	14.00	PASS
802.11ax HE20	169	5845	52/74	-1.715	8.285	5.400	13.69	14.00	PASS
	177	5865	52/77	-7.697	2.303	5.400	7.70	14.00	PASS
802.11ax HE20	169	5845	106/106	-1.723	8.277	5.400	13.68	14.00	PASS
	177	5865	106/107	-10.008	-0.008	5.400	5.39	14.00	PASS

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ration = 10*Log(1 M/100 k)

Power Spectral Density Measurement						
Mode	CH	Frequency (MHz)	Measurement	Duty Factor	Calculated	Limit
			Ant-0		Total	
			dBm/MHz		dBm/MHz	
802.11a	36	5180	5.024	0.010	5.034	11.000
	40	5200	7.719	0.010	7.729	11.000
	48	5240	7.412	0.010	7.422	11.000
	52	5260	6.696	0.010	6.706	11.000
	56	5280	7.241	0.010	7.251	11.000
	64	5320	5.726	0.010	5.736	11.000
	100	5500	5.921	0.010	5.932	11.000
	112	5560	7.101	0.010	7.111	11.000
	140	5700	4.118	0.010	4.128	11.000
	144	5720	6.573	0.010	6.583	11.000

Power Spectral Density Measurement						
Mode	CH	Frequency (MHz)	Measurement	Duty Factor	Calculated	Limit
			Ant-0		Total	
			dBm/MHz		dBm/MHz	
802.11ac VHT20	36	5180	4.643	0.000	4.643	11.000
	40	5200	6.543	0.000	6.543	11.000
	48	5240	6.381	0.000	6.381	11.000
	52	5260	5.876	0.000	5.876	11.000
	56	5280	6.226	0.000	6.226	11.000
	64	5320	4.992	0.000	4.992	11.000
	100	5500	4.693	0.000	4.693	11.000
	112	5560	6.306	0.000	6.306	11.000
	140	5700	3.558	0.000	3.558	11.000
	144	5720	5.918	0.000	5.918	11.000
802.11ac VHT40	38	5190	0.342	0.006	0.348	11.000
	46	5230	4.308	0.006	4.314	11.000
	54	5270	4.262	0.006	4.269	11.000
	62	5310	1.606	0.006	1.613	11.000
	102	5510	1.758	0.006	1.765	11.000
	110	5550	5.012	0.006	5.019	11.000
	134	5670	2.815	0.006	2.821	11.000
	142	5710	4.678	0.006	4.685	11.000
802.11ac VHT80	42	5210	-2.080	0.006	-2.073	11.000
	58	5290	-3.846	0.006	-3.840	11.000
	106	5530	-4.100	0.006	-4.094	11.000
	122	5610	-0.637	0.006	-0.630	11.000
	138	5690	1.304	0.006	1.311	11.000
802.11ac VHT160	50	5250	-8.255	0.006	-8.248	11.000
	50	5250	-7.681	0.006	-7.675	11.000
	114	5570	-8.198	0.006	-8.191	11.000

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Power Spectral Density Measurement						
Mode	CH	Frequency (MHz)	Measurement	Duty Factor	Calculated	Limit
			Ant-0		Total	
			dBm/MHz		dBm/MHz	
802.11ax HE20	36	5180	5.218	0.000	5.218	11.000
	40	5200	7.527	0.000	7.527	11.000
	48	5240	7.442	0.000	7.442	11.000
	52	5260	6.827	0.000	6.827	11.000
	56	5280	7.153	0.000	7.153	11.000
	64	5320	5.186	0.000	5.186	11.000
	100	5500	5.127	0.000	5.127	11.000
	112	5560	7.630	0.000	7.630	11.000
	140	5700	4.158	0.000	4.158	11.000
	144	5720	7.270	0.000	7.270	11.000
802.11ax HE40	38	5190	1.041	0.006	1.048	11.000
	46	5230	4.555	0.006	4.562	11.000
	54	5270	4.578	0.006	4.585	11.000
	62	5310	1.234	0.006	1.240	11.000
	102	5510	1.491	0.006	1.497	11.000
	110	5550	5.426	0.006	5.433	11.000
	134	5670	2.491	0.006	2.497	11.000
	142	5710	4.654	0.006	4.660	11.000
802.11ax HE80	42	5210	-1.731	0.006	-1.725	11.000
	58	5290	-1.865	0.006	-1.858	11.000
	106	5530	-2.367	0.006	-2.361	11.000
	122	5610	0.340	0.006	0.346	11.000
	138	5690	1.291	0.006	1.298	11.000
802.11ax HE160	50	5250	-6.437	0.008	-6.429	11.000
	50	5250	-6.041	0.008	-6.033	11.000
	114	5570	-5.333	0.008	-5.325	11.000

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Power Spectral Density Measurement							
Mode	CH	Frequency (MHz)	Single RU	Measurement	Duty Factor	Calculated	Limit
				Ant-0		Total	
				dBm/MHz		dBm/MHz	
802.11ax HE20	36	5180	26	10.861	0.000	10.861	11.000
	64	5320	26	10.768	0.000	10.768	11.000
	100	5500	26	10.703	0.000	10.703	11.000
	140	5700	26	10.867	0.000	10.867	11.000
	144	5720	26	10.841	0.000	10.841	11.000
	36	5180	52	10.727	0.000	10.727	11.000
	64	5320	52	10.808	0.000	10.808	11.000
	100	5500	52	10.838	0.000	10.838	11.000
	140	5700	52	10.205	0.000	10.205	11.000
	144	5720	52	10.786	0.000	10.786	11.000
	36	5180	106	7.392	0.000	7.392	11.000
	64	5320	106	8.056	0.000	8.056	11.000
	100	5500	106	7.938	0.000	7.938	11.000
	140	5700	106	7.176	0.000	7.176	11.000
	144	5720	106	10.868	0.000	10.868	11.000

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Band III_ Power Spectral Density Measurement							
Mode	CH	Frequency (MHz)	Measurement		Duty Factor	Limit	PASS/FAIL
			Ant-0				
			dBm/100 kHz	dBm/500 kHz	dB	dBm/500 kHz	
802.11a	144	5720	-2.841	4.159	0.010	30.00	PASS
	149	5745	-2.687	4.313	0.010	30.00	PASS
	157	5785	-2.089	4.911	0.010	30.00	PASS
	165	5825	-2.757	4.243	0.010	30.00	PASS
802.11ac VHT20	144	5720	-2.675	4.315	0.000	30.00	PASS
	149	5745	-3.686	3.304	0.000	30.00	PASS
	157	5785	-3.463	3.527	0.000	30.00	PASS
	165	5825	-3.691	3.299	0.000	30.00	PASS
802.11ac VHT40	142	5710	-5.944	1.052	0.006	30.00	PASS
	151	5755	-5.588	1.408	0.006	30.00	PASS
	159	5795	-6.791	0.205	0.006	30.00	PASS
802.11ac VHT80	138	5690	-9.601	-2.605	0.006	30.00	PASS
	155	5775	-11.419	-4.422	0.006	30.00	PASS
802.11ax HE20	144	5720	-3.130	3.860	0.000	30.00	PASS
	149	5745	-2.544	4.446	0.000	30.00	PASS
	157	5785	-2.463	4.527	0.000	30.00	PASS
	165	5825	-2.343	4.646	0.000	30.00	PASS
802.11ax HE40	142	5710	-6.547	0.449	0.006	30.00	PASS
	151	5755	-7.396	-0.399	0.006	30.00	PASS
	159	5795	-7.728	-0.732	0.006	30.00	PASS
802.11ax HE80	138	5690	-10.484	-3.487	0.006	30.00	PASS
	155	5775	-8.660	-1.664	0.006	30.00	PASS

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ratio = 10*Log(500 k/100 k)

Band III_ Power Spectral Density Measurement

Band III_ Power Spectral Density Measurement								
Mode	CH	Frequency (MHz)	Single RU	Measurement		Duty Factor	Limit	PASS/FAIL
				Ant-0				
				dBm/100 kHz	dBm/500 kHz	dB	dBm/500 kHz	
802.11ax HE20	149	5745	26	7.870	14.860	0.000	30.00	PASS
	165	5825	26	6.801	13.791	0.000	30.00	PASS
802.11ax HE20	149	5745	52	4.601	11.591	0.000	30.00	PASS
	165	5825	52	4.143	11.133	0.000	30.00	PASS
802.11ax HE20	149	5745	106	1.957	8.947	0.000	30.00	PASS
	165	5825	106	1.735	8.725	0.000	30.00	PASS

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ration = 10*Log(500 k/100 k)

Band IV_ Power Spectral Density Measurement								
Mode	CH	Frequency (MHz)	Measurement		Calculated		EIRPLimit	PASS/FAIL
			Ant-0		Gain	EIRP Total		
			dBm/100 kHz	dBm/1MHz	dBi	dBm/1MHz		
802.11a	169	5845	-1.754	8.256	5.400	13.66	14.00	PASS
	173	5865	-1.625	8.385	5.400	13.79	14.00	PASS
	177	5865	-1.632	8.378	5.400	13.78	14.00	PASS
802.11ac VHT20	169	5845	-1.694	8.306	5.400	13.71	14.00	PASS
	173	5865	-1.712	8.288	5.400	13.69	14.00	PASS
	177	5865	-1.816	8.184	5.400	13.58	14.00	PASS
802.11ac VHT40	167	5835	-4.207	5.799	5.400	11.20	14.00	PASS
	175	5875	-5.646	4.360	5.400	9.76	14.00	PASS
802.11ac VHT80	171	5855	-9.869	0.137	5.400	5.54	14.00	PASS
802.11ac VHT160	163	5815	-13.291	-3.285	5.400	2.12	14.00	PASS
802.11ax HE20	169	5845	-2.756	7.244	5.400	12.64	14.00	PASS
	173	5865	-2.760	7.240	5.400	12.64	14.00	PASS
	177	5865	-9.939	0.061	5.400	5.46	14.00	PASS
802.11ax HE40	167	5835	-5.529	4.477	5.400	9.88	14.00	PASS
	175	5875	-7.502	2.504	5.400	7.90	14.00	PASS
802.11ax HE80	171	5855	-11.020	-1.014	5.400	4.39	14.00	PASS
802.11ax HE160	163	5815	-13.996	-3.988	5.400	1.41	14.00	PASS

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ratio = 10*Log(1 M/100 k)

Band IV_ Power Spectral Density Measurement									
Mode	CH	Frequency (MHz)	RU	Measurement		Calculated		EIRPLimit	PASS/FAIL
				Ant-0		Gain	EIRP Total		
				dBm/100 kHz	dBm/1MHz	dB	dBm/1MHz		
802.11ax HE20	169	5845	26/0	-1.740	8.260	5.400	13.66	14.00	PASS
	177	5865	26/8	-9.240	0.760	5.400	6.16	14.00	PASS
802.11ax HE20	169	5845	52/74	-1.715	8.285	5.400	13.69	14.00	PASS
	177	5865	52/77	-7.697	2.303	5.400	7.70	14.00	PASS
802.11ax HE20	169	5845	106/106	-1.723	8.277	5.400	13.68	14.00	PASS
	177	5865	106/107	-10.008	-0.008	5.400	5.39	14.00	PASS

Note: Power Density = measured result + 10 log (1/duty cycle) + Conversion ratio = measured result + duty factory.

Conversion ratio = 10*Log(1 M/100 k)