

Appendix A. Test Data

SISO 1X1

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a	5180	0.133	0.234	56.838	2.454	7.519
802.11a	5500	0.133	0.234	56.838	2.454	7.519
802.11ax HE20	5180	0.324	0.346	93.642	0.285	3.086
802.11ax HE20	5500	0.324	0.346	93.642	0.285	3.086
802.11ax HE40	5190	0.310	0.336	92.262	0.350	3.226
802.11ax HE40	5510	0.310	0.336	92.262	0.350	3.226
802.11ax HE80	5210	0.298	0.322	92.547	0.336	3.356
802.11ax HE80	5530	0.298	0.322	92.547	0.336	3.356
802.11ax HE160	5250	0.460	0.478	96.234	0.167	2.174
802.11ax HE160	5570	0.300	0.326	92.025	0.361	3.333

RF power setting in Test SW							
Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11a	36	5180	85	-	-	-	accessMtool
	40	5200	90	-	-	-	
	44	5220	90	-	-	-	
	48	5240	97	-	-	-	
	52	5260	85	-	-	-	
	56	5280	86	-	-	-	
	60	5300	86	-	-	-	
	64	5320	87	-	-	-	
	100	5500	83	-	-	-	
	112	5560	83	-	-	-	
	116	5580	83	-	-	-	
	124	5620	83	-	-	-	
	132	5660	83	-	-	-	
	140	5700	77	-	-	-	
	144	5720	81	-	-	-	
	144	5720	81	-	-	-	
	149	5745	91	-	-	-	
	157	5785	92	-	-	-	
	165	5825	92	-	-	-	
802.11n HT20	36	5180	82	-	-	-	accessMtool
	40	5200	93	-	-	-	
	44	5220	93	-	-	-	
	48	5240	95	-	-	-	
	52	5260	87	-	-	-	
	56	5280	87	-	-	-	
	60	5300	87	-	-	-	
	64	5320	88	-	-	-	
	100	5500	82	-	-	-	
	112	5560	86	-	-	-	
	116	5580	86	-	-	-	
	124	5620	86	-	-	-	
	132	5660	86	-	-	-	
	140	5700	75	-	-	-	
	144	5720	84	-	-	-	
	144	5720	84	-	-	-	
	149	5745	90	-	-	-	
	157	5785	90	-	-	-	
	165	5825	90	-	-	-	
802.11n HT40	38	5190	77	-	-	-	accessMtool
	46	5230	95	-	-	-	
	54	5270	91	-	-	-	
	62	5310	86	-	-	-	
	102	5510	78	-	-	-	
	110	5550	88	-	-	-	
	126	5630	88	-	-	-	
	134	5670	77	-	-	-	
	142	5710	90	-	-	-	
	142	5710	90	-	-	-	
	151	5755	92	-	-	-	
	159	5795	91	-	-	-	

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ac VHT20	36	5180	82	-	-	-	accessMtool
	40	5200	93	-	-	-	
	44	5220	93	-	-	-	
	48	5240	95	-	-	-	
	52	5260	87	-	-	-	
	56	5280	87	-	-	-	
	60	5300	87	-	-	-	
	64	5320	88	-	-	-	
	100	5500	82	-	-	-	
	112	5560	86	-	-	-	
	116	5580	86	-	-	-	
	124	5620	86	-	-	-	
	132	5660	86	-	-	-	
	140	5700	75	-	-	-	
	144	5720	84	-	-	-	
	144	5720	84	-	-	-	
	149	5745	90	-	-	-	
	157	5785	90	-	-	-	
	165	5825	90	-	-	-	
802.11ac VHT40	38	5190	77	-	-	-	accessMtool
	46	5230	95	-	-	-	
	54	5270	91	-	-	-	
	62	5310	86	-	-	-	
	102	5510	78	-	-	-	
	110	5550	88	-	-	-	
	126	5630	88	-	-	-	
	134	5670	77	-	-	-	
	142	5710	90	-	-	-	
	142	5710	90	-	-	-	
	151	5755	92	-	-	-	
	159	5795	91	-	-	-	
802.11ac VHT80	42	5210	77	-	-	-	accessMtool
	58	5290	85	-	-	-	
	106	5530	77	-	-	-	
	122	5610	85	-	-	-	
	142	5690	88	-	-	-	
	142	5690	88	-	-	-	
802.11ac VHT160	155	5775	92	-	-	-	accessMtool
	50	5250	78	-	-	-	
	50	5250	78	-	-	-	
	114	5570	73	-	-	-	

Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ax HE20	36	5180	Full	82	-	-	-	accessMtool
	40	5200	Full	93	-	-	-	
	44	5220	Full	93	-	-	-	
	48	5240	Full	95	-	-	-	
	52	5260	Full	87	-	-	-	
	56	5280	Full	87	-	-	-	
	60	5300	Full	87	-	-	-	
	64	5320	Full	88	-	-	-	
	100	5500	Full	82	-	-	-	
	112	5560	Full	86	-	-	-	
	116	5580	Full	86	-	-	-	
	124	5620	Full	86	-	-	-	
	132	5660	Full	86	-	-	-	
	140	5700	Full	75	-	-	-	
	144	5720	Full	84	-	-	-	
	144	5720	Full	84	-	-	-	
	149	5745	Full	90	-	-	-	
	157	5785	Full	90	-	-	-	
	165	5825	Full	90	-	-	-	
802.11ax HE40	38	5190	Full	77	-	-	-	accessMtool
	46	5230	Full	95	-	-	-	
	54	5270	Full	91	-	-	-	
	62	5310	Full	86	-	-	-	
	102	5510	Full	78	-	-	-	
	110	5550	Full	88	-	-	-	
	126	5630	Full	88	-	-	-	
	134	5670	Full	77	-	-	-	
	142	5710	Full	90	-	-	-	
	142	5710	Full	90	-	-	-	
	151	5755	Full	92	-	-	-	
	159	5795	Full	91	-	-	-	
802.11ax HE80	42	5210	Full	77	-	-	-	accessMtool
	58	5290	Full	85	-	-	-	
	106	5530	Full	77	-	-	-	
	122	5610	Full	85	-	-	-	
	138	5690	Full	88	-	-	-	
	138	5690	Full	88	-	-	-	
	155	5775	Full	92	-	-	-	
802.11ax HE160	50	5250	Full	78	-	-	-	accessMtool
	50	5250	Full	78	-	-	-	
	114	5570	Full	73	-	-	-	

Maximum Conducted Output Power Measurement									
Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11a	6M	36	5180	21.57	-	-	-	-	30.00
		40	5200	22.59	-	-	-	-	30.00
		44	5220	22.48	-	-	-	-	30.00
		48	5240	25.76	-	-	-	-	30.00
		52	5260	22.23	-	-	-	-	24.00
		56	5280	22.54	-	-	-	-	24.00
		60	5300	22.47	-	-	-	-	24.00
		64	5320	22.41	-	-	-	-	24.00
		100	5500	21.94	-	-	-	-	24.00
		112	5560	22.33	-	-	-	-	24.00
		116	5580	22.26	-	-	-	-	24.00
		124	5620	22.21	-	-	-	-	24.00
		132	5660	22.27	-	-	-	-	24.00
		140	5700	20.92	-	-	-	-	24.00
		144	5720	20.41	-	-	-	-	22.93
		144	5720	14.47	-	-	-	-	30.00
		149	5745	24.83	-	-	-	-	30.00
		157	5785	24.78	-	-	-	-	30.00
		165	5825	24.17	-	-	-	-	30.00
802.11n HT20	6.5M	36	5180	20.38	-	-	-	-	30.00
		40	5200	23.52	-	-	-	-	30.00
		44	5220	23.48	-	-	-	-	30.00
		48	5240	24.17	-	-	-	-	30.00
		52	5260	22.45	-	-	-	-	24.00
		56	5280	22.45	-	-	-	-	24.00
		60	5300	22.20	-	-	-	-	24.00
		64	5320	22.11	-	-	-	-	24.00
		100	5500	21.56	-	-	-	-	24.00
		112	5560	23.07	-	-	-	-	24.00
		116	5580	22.92	-	-	-	-	24.00
		124	5620	22.92	-	-	-	-	24.00
		132	5660	22.83	-	-	-	-	24.00
		140	5700	20.45	-	-	-	-	24.00
		144	5720	21.04	-	-	-	-	24.00
		144	5720	15.44	-	-	-	-	30.00
		149	5745	24.23	-	-	-	-	30.00
		157	5785	23.81	-	-	-	-	30.00
		165	5825	23.45	-	-	-	-	30.00
802.11n HT40	13.5M	38	5190	19.44	-	-	-	-	30.00
		46	5230	24.81	-	-	-	-	30.00
		54	5270	22.97	-	-	-	-	24.00
		62	5310	21.04	-	-	-	-	24.00
		102	5510	20.18	-	-	-	-	24.00
		110	5550	22.98	-	-	-	-	24.00
		126	5630	22.87	-	-	-	-	24.00
		134	5670	20.25	-	-	-	-	24.00
		142	5710	23.12	-	-	-	-	24.00
		142	5710	13.21	-	-	-	-	30.00
		151	5755	24.12	-	-	-	-	30.00
		159	5795	23.39	-	-	-	-	30.00

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11ac VHT20	6.5M	36	5180	20.54	-	-	-	-	30.00
		40	5200	23.60	-	-	-	-	30.00
		44	5220	23.56	-	-	-	-	30.00
		48	5240	24.34	-	-	-	-	30.00
		52	5260	22.57	-	-	-	-	24.00
		56	5280	22.62	-	-	-	-	24.00
		60	5300	22.43	-	-	-	-	24.00
		64	5320	22.23	-	-	-	-	24.00
		100	5500	21.33	-	-	-	-	24.00
		112	5560	22.67	-	-	-	-	24.00
		116	5580	22.51	-	-	-	-	24.00
		124	5620	22.55	-	-	-	-	24.00
		132	5660	22.64	-	-	-	-	24.00
		140	5700	20.18	-	-	-	-	24.00
		144	5720	21.26	-	-	-	-	24.00
		144	5720	15.52	-	-	-	-	30.00
		149	5745	24.03	-	-	-	-	30.00
		157	5785	23.63	-	-	-	-	30.00
		165	5825	23.04	-	-	-	-	30.00
802.11ac VHT40	13.5M	38	5190	19.56	-	-	-	-	30.00
		46	5230	24.90	-	-	-	-	30.00
		54	5270	23.15	-	-	-	-	24.00
		62	5310	21.34	-	-	-	-	24.00
		102	5510	20.36	-	-	-	-	24.00
		110	5550	23.23	-	-	-	-	24.00
		126	5630	23.16	-	-	-	-	24.00
		134	5670	20.54	-	-	-	-	24.00
		142	5710	23.26	-	-	-	-	24.00
		142	5710	13.14	-	-	-	-	30.00
		151	5755	24.28	-	-	-	-	30.00
		159	5795	23.63	-	-	-	-	30.00
802.11ac VHT80	29.3M	42	5210	19.42	-	-	-	-	30.00
		58	5290	21.35	-	-	-	-	24.00
		106	5530	20.41	-	-	-	-	24.00
		122	5610	23.25	-	-	-	-	24.00
		138	5690	23.39	-	-	-	-	24.00
		138	5690	9.67	-	-	-	-	30.00
		155	5775	24.45	-	-	-	-	30.00
802.11ac VHT160	58.5M	50	5250	16.09	-	-	-	-	30.00
		50	5250	16.15	-	-	-	-	24.00
		114	5570	19.39	-	-	-	-	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total	
					dBm	dBm	dBm	dBm	dBm	
802.11ax HE20	MCS 0	36	5180	Full	20.99	-	-	-	-	30.00
		40	5200	Full	23.65	-	-	-	-	30.00
		44	5220	Full	23.40	-	-	-	-	30.00
		48	5240	Full	24.81	-	-	-	-	30.00
		52	5260	Full	23.09	-	-	-	-	24.00
		56	5280	Full	23.07	-	-	-	-	24.00
		60	5300	Full	23.00	-	-	-	-	24.00
		64	5320	Full	22.81	-	-	-	-	24.00
		100	5500	Full	21.76	-	-	-	-	24.00
		112	5560	Full	23.18	-	-	-	-	24.00
		116	5580	Full	23.10	-	-	-	-	24.00
		124	5620	Full	23.09	-	-	-	-	24.00
		132	5660	Full	23.12	-	-	-	-	24.00
		140	5700	Full	20.71	-	-	-	-	24.00
		144	5720	Full	21.32	-	-	-	-	24.00
		144	5720	Full	16.08	-	-	-	-	30.00
		149	5745	Full	24.50	-	-	-	-	30.00
		157	5785	Full	24.10	-	-	-	-	30.00
		165	5825	Full	23.56	-	-	-	-	30.00
802.11ax HE40	MCS0	38	5190	Full	20.14	-	-	-	-	30.00
		46	5230	Full	25.21	-	-	-	-	30.00
		54	5270	Full	23.61	-	-	-	-	24.00
		62	5310	Full	21.77	-	-	-	-	24.00
		102	5510	Full	20.78	-	-	-	-	24.00
		110	5550	Full	23.75	-	-	-	-	24.00
		126	5630	Full	23.69	-	-	-	-	24.00
		134	5670	Full	21.07	-	-	-	-	24.00
		142	5710	Full	23.47	-	-	-	-	24.00
		142	5710	Full	13.69	-	-	-	-	30.00
		151	5755	Full	24.77	-	-	-	-	30.00
		159	5795	Full	24.09	-	-	-	-	30.00
802.11ax HE80	MCS 0	42	5210	Full	19.85	-	-	-	-	30.00
		58	5290	Full	21.68	-	-	-	-	24.00
		106	5530	Full	20.75	-	-	-	-	24.00
		122	5610	Full	23.63	-	-	-	-	24.00
		138	5690	Full	23.63	-	-	-	-	24.00
		138	5690	Full	10.30	-	-	-	-	30.00
		155	5775	Full	24.81	-	-	-	-	30.00
802.11ax HE160	MCS 0	50	5250	Full	16.84	-	-	-	-	30.00
		50	5250	Full	16.76	-	-	-	-	24.00
		114	5570	Full	19.73	-	-	-	-	24.00

Maximum Conducted Output Power Measurement												
Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11a	6M	52	5260	16.23	-	-	-	-	-	3.30	19.53	24.00
		56	5280	16.54	-	-	-	-	-	3.30	19.84	24.00
		60	5300	16.47	-	-	-	-	-	3.30	19.77	24.00
		64	5320	16.41	-	-	-	-	-	3.30	19.71	24.00
		100	5500	15.94	-	-	-	-	-	5.90	21.84	24.00
		112	5560	16.33	-	-	-	-	-	5.90	22.23	24.00
		116	5580	16.26	-	-	-	-	-	5.90	22.16	24.00
		124	5620	16.21	-	-	-	-	-	5.90	22.11	24.00
		132	5660	16.27	-	-	-	-	-	5.90	22.17	24.00
		140	5700	14.92	-	-	-	-	-	5.90	20.82	24.00
		144	5720	14.41	-	-	-	-	-	5.90	20.31	24.00
802.11n HT20	6.5M	52	5260	16.45	-	-	-	-	-	3.30	19.75	24.00
		56	5280	16.45	-	-	-	-	-	3.30	19.75	24.00
		60	5300	16.20	-	-	-	-	-	3.30	19.50	24.00
		64	5320	16.11	-	-	-	-	-	3.30	19.41	24.00
		100	5500	15.56	-	-	-	-	-	5.90	21.46	24.00
		112	5560	17.07	-	-	-	-	-	5.90	22.97	24.00
		116	5580	16.92	-	-	-	-	-	5.90	22.82	24.00
		124	5620	16.92	-	-	-	-	-	5.90	22.82	24.00
		132	5660	16.83	-	-	-	-	-	5.90	22.73	24.00
		140	5700	14.45	-	-	-	-	-	5.90	20.35	24.00
		144	5720	15.04	-	-	-	-	-	5.90	20.94	24.00
802.11n HT40	13.5M	54	5270	16.97	-	-	-	-	-	3.30	20.27	24.00
		62	5310	15.04	-	-	-	-	-	3.30	18.34	24.00
		102	5510	14.18	-	-	-	-	-	5.90	20.08	24.00
		110	5550	16.98	-	-	-	-	-	5.90	22.88	24.00
		126	5630	16.87	-	-	-	-	-	5.90	22.77	24.00
		134	5670	14.25	-	-	-	-	-	5.90	20.15	24.00
		142	5710	17.12	-	-	-	-	-	5.90	23.02	24.00

Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ac VHT20	MCS 0	52	5260	16.57	-	-	-	-	-	3.30	19.87	24.00
		56	5280	16.62	-	-	-	-	-	3.30	19.92	24.00
		60	5300	16.43	-	-	-	-	-	3.30	19.73	24.00
		64	5320	16.23	-	-	-	-	-	3.30	19.53	24.00
		100	5500	15.33	-	-	-	-	-	5.90	21.23	24.00
		112	5560	16.67	-	-	-	-	-	5.90	22.57	24.00
		116	5580	16.51	-	-	-	-	-	5.90	22.41	24.00
		124	5620	16.55	-	-	-	-	-	5.90	22.45	24.00
		132	5660	16.64	-	-	-	-	-	5.90	22.54	24.00
		140	5700	14.18	-	-	-	-	-	5.90	20.08	24.00
		144	5720	15.26	-	-	-	-	-	5.90	21.16	24.00
802.11ac VHT40	MCS 0	54	5270	17.15	-	-	-	-	-	3.30	20.45	24.00
		62	5310	15.34	-	-	-	-	-	3.30	18.64	24.00
		102	5510	14.36	-	-	-	-	-	5.90	20.26	24.00
		110	5550	17.23	-	-	-	-	-	5.90	23.13	24.00
		126	5630	17.16	-	-	-	-	-	5.90	23.06	24.00
		134	5670	14.54	-	-	-	-	-	5.90	20.44	24.00
		142	5710	17.26	-	-	-	-	-	5.90	23.16	24.00
802.11ac VHT80	MCS 0	58	5290	15.35	-	-	-	-	-	3.30	18.65	24.00
		106	5530	14.41	-	-	-	-	-	5.90	20.31	24.00
		122	5610	17.25	-	-	-	-	-	5.90	23.15	24.00
		138	5690	17.39	-	-	-	-	-	5.90	23.29	24.00
802.11ac VHT160	MCS 0	50	5250	10.15	-	-	-	-	-	4.00	14.15	24.00
		114	5570	13.39	-	-	-	-	-	5.90	19.29	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit	E.I.R.P		EIRP Power Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
					dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ax HE20	MCS 0	52	5260	Full	17.09	-	-	-	-	-	3.30	20.39	24.00
		56	5280	Full	17.07	-	-	-	-	-	3.30	20.37	24.00
		60	5300	Full	17.00	-	-	-	-	-	3.30	20.30	24.00
		64	5320	Full	16.81	-	-	-	-	-	3.30	20.11	24.00
		100	5500	Full	15.76	-	-	-	-	-	5.90	21.66	24.00
		112	5560	Full	17.18	-	-	-	-	-	5.90	23.08	24.00
		116	5580	Full	17.10	-	-	-	-	-	5.90	23.00	24.00
		124	5620	Full	17.09	-	-	-	-	-	5.90	22.99	24.00
		132	5660	Full	17.12	-	-	-	-	-	5.90	23.02	24.00
		140	5700	Full	14.71	-	-	-	-	-	5.90	20.61	24.00
802.11ax HE40	MCS0	144	5720	Full	15.32	-	-	-	-	-	5.90	21.22	24.00
		54	5270	Full	17.61	-	-	-	-	-	3.30	20.91	24.00
		62	5310	Full	15.77	-	-	-	-	-	3.30	19.07	24.00
		102	5510	Full	14.78	-	-	-	-	-	5.90	20.68	24.00
		110	5550	Full	17.75	-	-	-	-	-	5.90	23.65	24.00
		126	5630	Full	17.69	-	-	-	-	-	5.90	23.59	24.00
		134	5670	Full	15.07	-	-	-	-	-	5.90	20.97	24.00
802.11ax HE80	MCS 0	142	5710	Full	17.47	-	-	-	-	-	5.90	23.37	24.00
		58	5290	Full	15.68	-	-	-	-	-	3.30	18.98	24.00
		106	5530	Full	14.75	-	-	-	-	-	5.90	20.65	24.00
		122	5610	Full	17.63	-	-	-	-	-	5.90	23.53	24.00
802.11ax HE160	MCS 0	138	5690	Full	17.63	-	-	-	-	-	5.90	23.53	24.00
		50	5250	Full	10.76	-	-	-	-	-	4.00	14.76	24.00
		114	5570	Full	13.73	-	-	-	-	-	5.90	19.63	24.00

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	36	5180	17.501	-	-	-	21.640	-	-	-
	40	5200	17.864	-	-	-	27.460	-	-	-
	48	5240	19.456	-	-	-	36.170	-	-	-
	52	5260	17.408	-	-	-	21.730	-	-	-
	56	5280	17.461	-	-	-	22.330	-	-	-
	64	5320	17.509	-	-	-	22.460	-	-	-
	100	5500	17.400	-	-	-	22.410	-	-	-
	112	5560	17.345	-	-	-	21.720	-	-	-
	140	5700	17.238	-	-	-	21.360	-	-	-
	144	5720	13.414	-	-	-	15.600	-	-	-
802.11ax HE20	36	5180	19.237	-	-	-	21.920	-	-	-
	40	5200	19.583	-	-	-	41.870	-	-	-
	48	5240	19.675	-	-	-	36.870	-	-	-
	52	5260	19.230	-	-	-	22.120	-	-	-
	56	5280	19.276	-	-	-	22.160	-	-	-
	64	5320	19.269	-	-	-	29.300	-	-	-
	100	5500	19.222	-	-	-	21.870	-	-	-
	112	5560	19.346	-	-	-	26.780	-	-	-
	140	5700	19.261	-	-	-	21.690	-	-	-
	144	5720	14.605	-	-	-	20.010	-	-	-
802.11ax HE40	38	5190	37.813	-	-	-	40.850	-	-	-
	46	5230	39.146	-	-	-	82.600	-	-	-
	54	5270	38.058	-	-	-	50.890	-	-	-
	62	5310	37.939	-	-	-	43.530	-	-	-
	102	5510	37.685	-	-	-	40.670	-	-	-
	110	5550	38.085	-	-	-	67.380	-	-	-
	134	5670	37.645	-	-	-	41.090	-	-	-
	142	5710	33.941	-	-	-	47.700	-	-	-
802.11ax HE80	42	5210	77.435	-	-	-	82.620	-	-	-
	58	5290	77.536	-	-	-	82.270	-	-	-
	106	5530	77.011	-	-	-	81.250	-	-	-
	122	5610	77.748	-	-	-	95.710	-	-	-
	138	5690	73.733	-	-	-	95.270	-	-	-
802.11ax HE160	50	5250	77.665	-	-	-	81.760	-	-	-
	50	5250	77.697	-	-	-	82.810	-	-	-
	114	5570	156.160	-	-	-	164.900	-	-	-

Band III_6 dB & 99 % RF Bandwidth Measurement										
Band	CH	Freq. (MHz)	99 % Bandwidth				6 dB Bandwidth			
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
			MHz	MHz	MHz	MHz	kHz	kHz	kHz	kHz
802.11a	144	5720	4.349	-	-	-	3184	-	-	-
	149	5745	19.052	-	-	-	16110	-	-	-
	157	5785	19.842	-	-	-	16100	-	-	-
	165	5825	19.979	-	-	-	16290	-	-	-
802.11ax HE20	144	5720	4.883	-	-	-	4540	-	-	-
	149	5745	19.856	-	-	-	18970	-	-	-
	157	5785	19.805	-	-	-	19000	-	-	-
	165	5825	19.832	-	-	-	19000	-	-	-
802.11ax HE40	142	5710	8.200	-	-	-	3828	-	-	-
	151	5755	39.911	-	-	-	37610	-	-	-
	159	5795	38.866	-	-	-	37630	-	-	-
802.11ax HE80	138	5690	18.296	-	-	-	3706	-	-	-
	155	5775	78.817	-	-	-	75740	-	-	-

Power Spectral Density Measurement									
Band	CH	Frequency (MHz)	Measurement				Duty Factor	Calculated	Limit
			Ant-0	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11a	36	5180	7.294	-	-	-	2.454	9.748	17.000
	40	5200	10.430	-	-	-	2.454	12.884	17.000
	48	5240	11.631	-	-	-	2.454	14.085	17.000
	52	5260	8.176	-	-	-	2.454	10.630	11.000
	56	5280	8.515	-	-	-	2.454	10.969	11.000
	64	5320	8.324	-	-	-	2.454	10.778	11.000
	100	5500	8.027	-	-	-	2.454	10.481	11.000
	112	5560	8.401	-	-	-	2.454	10.855	11.000
	140	5700	7.092	-	-	-	2.454	9.546	11.000
	144	5720	8.301	-	-	-	2.454	10.755	11.000
802.11ax HE20	36	5180	8.232	-	-	-	0.285	8.517	17.000
	40	5200	11.811	-	-	-	0.285	12.096	17.000
	48	5240	12.272	-	-	-	0.285	12.557	17.000
	52	5260	10.509	-	-	-	0.285	10.794	11.000
	56	5280	10.239	-	-	-	0.285	10.524	11.000
	64	5320	10.122	-	-	-	0.285	10.407	11.000
	100	5500	9.241	-	-	-	0.285	9.526	11.000
	112	5560	10.475	-	-	-	0.285	10.760	11.000
	140	5700	7.790	-	-	-	0.285	8.075	11.000
	144	5720	10.457	-	-	-	0.285	10.742	11.000
802.11ax HE40	38	5190	4.415	-	-	-	0.350	4.765	17.000
	46	5230	9.962	-	-	-	0.350	10.312	17.000
	54	5270	8.389	-	-	-	0.350	8.739	11.000
	62	5310	6.206	-	-	-	0.350	6.556	11.000
	102	5510	5.469	-	-	-	0.350	5.819	11.000
	110	5550	8.416	-	-	-	0.350	8.766	11.000
	134	5670	5.699	-	-	-	0.350	6.049	11.000
	142	5710	9.008	-	-	-	0.350	9.358	11.000
802.11ax HE80	42	5210	1.613	-	-	-	0.336	1.949	17.000
	58	5290	3.714	-	-	-	0.336	4.050	11.000
	106	5530	2.934	-	-	-	0.336	3.270	11.000
	122	5610	5.592	-	-	-	0.336	5.928	11.000
	138	5690	5.917	-	-	-	0.336	6.253	11.000
802.11ax HE160	50	5250	-0.940	-	-	-	0.167	-0.773	17.000
	50	5250	-1.356	-	-	-	0.167	-1.189	11.000
	114	5570	-1.085	-	-	-	0.361	-0.724	11.000

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

Band III Power Spectral Density Measurement

Band	CH	Frequency (MHz)	Measurement								Calculated	Limit	PASS/FAIL
			Ant-0		Ant-1		Ant-2		Ant-3		Total		
			dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/500 kHz	dBm/500 kHz	
802.11a	144	5720	0.857	10.300	-	-	-	-	-	-		30.00	PASS
	149	5745	3.585	13.028	-	-	-	-	-	-		30.00	PASS
	157	5785	3.755	13.198	-	-	-	-	-	-		30.00	PASS
	165	5825	2.936	12.379	-	-	-	-	-	-		30.00	PASS
802.11ax HE20	144	5720	1.286	8.561	-	-	-	-	-	-		30.00	PASS
	149	5745	2.969	10.244	-	-	-	-	-	-		30.00	PASS
	157	5785	2.560	9.835	-	-	-	-	-	-		30.00	PASS
	165	5825	1.841	9.116	-	-	-	-	-	-		30.00	PASS
802.11ax HE40	142	5710	-0.194	7.145	-	-	-	-	-	-		30.00	PASS
	151	5755	0.501	7.840	-	-	-	-	-	-		30.00	PASS
	159	5795	-0.372	6.967	-	-	-	-	-	-		30.00	PASS
802.11ax HE80	138	5690	-2.970	4.356	-	-	-	-	-	-		30.00	PASS
	155	5775	-1.874	5.452	-	-	-	-	-	-		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)

MIMO Low Band B1 & B2A 4X4

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a	5180	0.133	0.234	56.838	2.454	7.519
802.11ax HE20	5180	0.324	0.346	93.642	0.285	3.086
802.11ax HE40	5190	0.496	0.518	95.753	0.188	2.016
802.11ax HE80	5210	0.378	0.400	94.500	0.246	2.646
802.11ax HE160	5250	0.332	0.356	93.258	0.303	3.012

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11a	36	5180	70	70	70	70	accessMtool
	40	5200	71	71	71	71	
	44	5220	71	71	71	71	
	48	5240	70	70	70	70	
	52	5260	47	47	47	47	
	56	5280	48	48	48	48	
	60	5300	48	48	48	48	
	64	5320	50	50	50	50	
802.11n HT20	36	5180	73	73	73	73	accessMtool
	40	5200	73	73	73	73	
	44	5220	73	73	73	73	
	48	5240	73	73	73	73	
	52	5260	50	50	50	50	
	56	5280	50	50	50	50	
	60	5300	50	50	50	50	
	64	5320	52	52	52	52	
802.11n HT40	38	5190	70	70	70	70	accessMtool
	46	5230	85	85	85	85	
	54	5270	62	62	62	62	
	62	5310	64	64	64	64	

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ac VHT20	36	5180	73	73	73	73	accessMtool
	40	5200	73	73	73	73	
	44	5220	73	73	73	73	
	48	5240	73	73	73	73	
	52	5260	50	50	50	50	
	56	5280	50	50	50	50	
	60	5300	50	50	50	50	
	64	5320	52	52	52	52	
802.11ac VHT40	38	5190	70	70	70	70	accessMtool
	46	5230	85	85	85	85	
	54	5270	62	62	62	62	
	62	5310	64	64	64	64	
802.11ac VHT80	42	5210	69	69	69	69	accessMtool
	58	5290	72	72	72	72	
802.11ac VHT160	50	5250	68	68	68	68	accessMtool
	50	5250	68	68	68	68	

RF power setting in Test SW								
Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ax HE20	36	5180	Full	73	73	73	73	accessMtool
	40	5200	Full	73	73	73	73	
	44	5220	Full	73	73	73	73	
	48	5240	Full	73	73	73	73	
	52	5260	Full	50	50	50	50	
	56	5280	Full	50	50	50	50	
	60	5300	Full	50	50	50	50	
	64	5320	Full	52	52	52	52	
802.11ax HE40	38	5190	Full	70	70	70	70	accessMtool
	46	5230	Full	85	85	85	85	
	54	5270	Full	62	62	62	62	
	62	5310	Full	64	64	64	64	
802.11ax HE80	42	5210	Full	69	69	69	69	accessMtool
	58	5290	Full	72	72	72	72	
802.11ax HE160	50	5250	Full	68	68	68	68	accessMtool
	50	5250	Full	68	68	68	68	

Maximum Conducted Output Power Measurement									
Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11a	6M	36	5180	17.39	17.46	17.64	17.31	23.47	30.00
		40	5200	17.61	17.67	17.81	17.43	23.65	30.00
		44	5220	17.51	17.39	17.71	17.48	23.54	30.00
		48	5240	17.35	17.29	17.61	17.07	23.35	30.00
		52	5260	12.11	12.25	11.96	12.35	18.19	24.00
		56	5280	12.43	12.36	12.06	12.41	18.34	24.00
		60	5300	12.36	12.35	11.84	12.32	18.24	24.00
		64	5320	12.34	12.44	12.30	12.54	18.43	24.00
802.11n HT20	26M	36	5180	18.33	18.16	18.37	18.12	24.27	30.00
		40	5200	17.91	18.03	18.41	17.96	24.10	30.00
		44	5220	17.73	17.83	18.52	17.83	24.01	30.00
		48	5240	18.01	18.15	18.29	17.84	24.10	30.00
		52	5260	12.93	12.92	12.89	13.20	19.01	24.00
		56	5280	12.98	13.13	12.43	12.81	18.87	24.00
		60	5300	12.51	12.77	12.18	12.84	18.60	24.00
		64	5320	12.83	12.62	12.39	12.99	18.73	24.00
802.11n HT40	54M	38	5190	17.15	17.18	16.68	17.08	23.05	30.00
		46	5230	20.41	20.73	20.03	20.43	26.43	30.00
		54	5270	15.20	15.60	15.40	15.41	21.43	24.00
		62	5310	15.46	15.54	15.44	15.43	21.49	24.00

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11ac VHT20	26M	36	5180	18.35	18.21	18.48	18.15	24.32	30.00
		40	5200	18.01	18.06	18.50	18.11	24.19	30.00
		44	5220	17.86	17.91	18.55	17.84	24.07	30.00
		48	5240	18.04	18.33	18.42	17.98	24.22	30.00
		52	5260	13.05	13.08	12.90	13.21	19.08	24.00
		56	5280	13.05	13.17	12.59	12.91	18.96	24.00
		60	5300	12.74	12.95	12.32	12.99	18.78	24.00
		64	5320	12.98	12.71	12.55	13.16	18.88	24.00
802.11ac VHT40	54M	38	5190	17.44	17.52	17.02	17.31	23.35	30.00
		46	5230	20.59	20.85	20.35	20.64	26.63	30.00
		54	5270	15.49	15.75	15.77	15.59	21.67	24.00
		62	5310	15.66	15.71	15.74	15.77	21.74	24.00
802.11ac VHT80	117.2M	42	5210	17.20	17.03	16.81	17.00	23.03	30.00
		58	5290	17.62	17.75	17.29	17.32	23.52	24.00
802.11ac VHT160	234M	50	5250	14.13	14.22	13.86	14.15	20.11	30.00
		50	5250	13.85	13.77	13.76	13.88	19.83	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total	
					dBm	dBm	dBm	dBm	dBm	
802.11ax HE20	MCS 0	36	5180	Full	18.42	18.42	18.61	18.26	24.45	30.00
		40	5200	Full	18.08	18.30	18.67	18.36	24.38	30.00
		44	5220	Full	18.05	18.13	18.65	17.90	24.21	30.00
		48	5240	Full	18.18	18.37	18.56	18.10	24.33	30.00
		52	5260	Full	13.18	13.25	13.03	13.28	19.21	24.00
		56	5280	Full	13.19	13.32	12.80	13.20	19.15	24.00
		60	5300	Full	13.03	13.08	12.66	13.19	19.02	24.00
		64	5320	Full	13.15	13.00	12.74	13.37	19.09	24.00
802.11ax HE40	MCS0	38	5190	Full	17.44	17.52	17.02	17.31	23.35	30.00
		46	5230	Full	20.59	20.85	20.35	20.64	26.63	30.00
		54	5270	Full	15.49	15.75	15.77	15.59	21.67	24.00
		62	5310	Full	15.66	15.71	15.74	15.77	21.74	24.00
802.11ax HE80	MCS 0	42	5210	Full	17.31	17.19	16.85	17.09	23.13	30.00
		58	5290	Full	17.73	17.75	17.46	17.52	23.64	24.00
802.11ax HE160	MCS 0	50	5250	Full	14.16	15.03	14.60	14.85	20.69	30.00
		50	5250	Full	14.59	14.59	14.53	14.56	20.59	24.00

Maximum Conducted Output Power Measurement												
Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11a	6M	52	5260	6.11	6.25	5.96	6.35	12.19	-	3.80	15.99	24.00
		56	5280	6.43	6.36	6.06	6.41	12.34	-	3.80	16.14	24.00
		60	5300	6.36	6.35	5.84	6.32	12.24	-	3.80	16.04	24.00
		64	5320	6.34	6.44	6.30	6.54	12.43	-	3.80	16.23	24.00
802.11n HT20	26M	52	5260	6.93	6.92	6.89	7.20	13.01	-	3.80	16.81	24.00
		56	5280	6.98	7.13	6.43	6.81	12.87	-	3.80	16.67	24.00
		60	5300	6.51	6.77	6.18	6.84	12.60	-	3.80	16.40	24.00
		64	5320	6.83	6.62	6.39	6.99	12.73	-	3.80	16.53	24.00
802.11n HT40	54M	54	5270	9.20	9.60	9.40	9.41	15.43	-	3.80	19.23	24.00
		62	5310	9.46	9.54	9.44	9.43	15.49	-	3.80	19.29	24.00

Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dBd	dBm	
802.11ac VHT20	MCS 0	52	5260	7.05	7.08	6.90	7.21	13.08	-	3.80	16.88	24.00
		56	5280	7.05	7.17	6.59	6.91	12.96	-	3.80	16.76	24.00
		60	5300	6.74	6.95	6.32	6.99	12.78	-	3.80	16.58	24.00
		64	5320	6.98	6.71	6.55	7.16	12.88	-	3.80	16.68	24.00
802.11ac VHT40	MCS 0	54	5270	9.49	9.75	9.77	9.59	15.67	-	3.80	19.47	24.00
		62	5310	9.66	9.71	9.74	9.77	15.74	-	3.80	19.54	24.00
802.11ac VHT80	MCS 0	58	5290	11.62	11.75	11.29	11.32	17.52	-	3.80	21.32	24.00
802.11ac VHT160	MCS 0	50	5250	7.85	7.77	7.76	7.88	13.83	-	4.00	17.83	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit	E.I.R.P		EIRP Power Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
					dBm	dBm	dBm	dBm	dBm		dBd	dBm	
802.11ax HE20	MCS 0	52	5260	Full	7.18	7.25	7.03	7.28	13.21	-	3.80	17.01	24.00
		56	5280	Full	7.19	7.32	6.80	7.20	13.15	-	3.80	16.95	24.00
		60	5300	Full	7.03	7.08	6.66	7.19	13.02	-	3.80	16.82	24.00
		64	5320	Full	7.15	7.00	6.74	7.37	13.09	-	3.80	16.89	24.00
802.11ax HE40	MCS0	54	5270	Full	9.49	9.75	9.77	9.59	15.67	-	3.80	19.47	24.00
		62	5310	Full	9.66	9.71	9.74	9.77	15.74	-	3.80	19.54	24.00
802.11ax HE80	MCS 0	58	5290	Full	11.73	11.75	11.46	11.52	17.64	-	3.80	21.44	24.00
802.11ax HE160	MCS 0	50	5250	Full	8.59	8.59	8.53	8.56	14.59	-	4.00	18.59	24.00

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	36	5180	17.348	17.339	17.158	17.059	21.761	21.797	21.686	21.291
	40	5200	17.313	17.254	17.214	17.101	21.769	21.619	21.648	21.177
	48	5240	17.337	17.214	17.261	17.049	21.731	21.707	21.775	21.571
	52	5260	17.355	17.238	17.167	17.094	21.722	21.414	21.490	21.394
	56	5280	17.448	17.332	17.262	17.059	21.771	21.789	21.733	21.440
	64	5320	17.362	17.407	17.183	17.124	21.678	21.509	21.608	21.531
802.11ax HE20	36	5180	19.166	19.147	19.202	19.159	22.144	21.870	21.811	21.820
	40	5200	19.194	19.214	19.161	19.161	21.848	21.825	21.641	21.718
	48	5240	19.227	19.211	19.143	19.108	21.801	22.004	21.969	21.614
	52	5260	19.202	19.175	19.142	19.147	21.660	21.769	21.714	21.507
	56	5280	19.228	19.151	19.151	19.130	21.918	21.691	21.485	21.669
	64	5320	19.222	19.202	19.161	19.174	21.877	21.727	21.691	21.469
802.11ax HE40	38	5190	37.782	37.737	37.841	37.842	40.609	40.613	40.623	40.840
	46	5230	37.942	37.889	37.830	37.825	54.153	40.595	40.738	40.760
	54	5270	37.809	37.824	37.809	37.783	41.140	40.914	40.633	40.724
	62	5310	37.785	37.873	37.792	37.773	40.830	40.634	40.571	40.819
802.11ax HE80	42	5210	77.404	77.321	77.414	77.288	82.638	82.319	82.474	81.930
	58	5290	77.278	77.385	77.384	77.358	82.442	82.172	82.198	82.620
802.11ax HE160	42	5210	77.643	77.474	77.722	77.421	81.850	81.440	81.940	81.240
	42	5210	77.604	77.640	77.627	77.689	82.400	81.980	81.520	81.710

Power Spectral Density Measurement									
Band	CH	Frequency (MHz)	Measurement				Duty Factor	Calculated	Limit
			Ant-0	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11a	36	5180	5.108	5.031	5.184	5.099	2.454	13.580	13.630
	40	5200	4.919	4.732	5.537	5.248	2.454	13.594	13.630
	48	5240	4.842	4.748	5.368	5.178	2.454	13.515	13.630
	52	5260	-0.763	-0.594	-0.749	-0.452	2.454	7.837	8.010
	56	5280	-0.774	-0.673	-0.949	-0.051	2.454	7.876	8.010
	64	5320	-0.717	-0.543	-1.001	-0.440	2.454	7.804	8.010
802.11ax HE20	36	5180	7.455	7.345	7.234	7.071	0.285	13.584	13.630
	40	5200	7.330	7.051	7.636	7.101	0.285	13.592	13.630
	48	5240	7.063	7.255	7.539	7.284	0.285	13.594	13.630
	52	5260	1.671	1.754	1.430	1.748	0.285	7.959	8.010
	56	5280	1.331	1.587	0.944	1.634	0.285	7.688	8.010
	64	5320	1.605	1.268	1.297	1.835	0.285	7.813	8.010
802.11ax HE40	38	5190	3.521	3.770	3.306	3.363	0.188	9.703	13.630
	46	5230	7.263	7.299	6.988	7.306	0.188	13.425	13.630
	54	5270	1.460	1.755	1.601	1.466	0.188	7.781	8.010
	62	5310	1.574	1.712	1.721	1.836	0.188	7.921	8.010
802.11ax HE80	42	5210	0.241	0.517	-0.384	0.010	0.246	6.375	13.630
	58	5290	0.530	0.486	0.470	0.428	0.246	6.745	8.010
802.11ax HE160	50	5250	-2.554	-2.206	-3.154	-2.572	0.303	3.715	13.630
	50	5250	-3.113	-2.962	-3.218	-3.080	0.303	3.231	8.010

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

MIMO High Band_B2C & B3 2X2

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a	5500	0.136	0.234	58.120	2.357	7.353
802.11ax HE20	5500	0.324	0.348	93.103	0.310	3.086
802.11ax HE40	5510	0.312	0.336	92.857	0.322	3.205
802.11ax HE80	5530	0.306	0.332	92.169	0.354	3.268
802.11ax HE160	5570	0.306	0.332	92.169	0.354	3.268

RF power setting in Test SW							
Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11a	100	5500	62	62	-	-	accessMtool
	112	5560	59	59	-	-	
	116	5580	59	59	-	-	
	124	5620	59	59	-	-	
	132	5660	59	59	-	-	
	140	5700	59	59	-	-	
	144	5720	59	59	-	-	
	144	5720	59	59	-	-	
	149	5745	91	91	-	-	
	157	5785	91	91	-	-	
	165	5825	91	91	-	-	
802.11n HT20	100	5500	65	65	-	-	accessMtool
	112	5560	62	62	-	-	
	116	5580	62	62	-	-	
	124	5620	62	62	-	-	
	132	5660	62	62	-	-	
	140	5700	60	60	-	-	
	144	5720	61	61	-	-	
	144	5720	61	61	-	-	
	149	5745	90	90	-	-	
	157	5785	90	90	-	-	
	165	5825	90	90	-	-	
802.11n HT40	102	5510	73	73	-	-	accessMtool
	110	5550	74	74	-	-	
	126	5630	74	74	-	-	
	134	5670	74	74	-	-	
	142	5710	74	74	-	-	
	142	5710	74	74	-	-	
	151	5755	91	91	-	-	
	159	5795	91	91	-	-	

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ac VHT20	100	5500	65	65	-	-	accessMtool
	112	5560	62	62	-	-	
	116	5580	62	62	-	-	
	124	5620	62	62	-	-	
	132	5660	62	62	-	-	
	140	5700	60	60	-	-	
	144	5720	61	61	-	-	
	144	5720	61	61	-	-	
	149	5745	90	90	-	-	
	157	5785	90	90	-	-	
	165	5825	90	90	-	-	
802.11ac VHT40	102	5510	73	73	-	-	accessMtool
	110	5550	74	74	-	-	
	126	5630	74	74	-	-	
	134	5670	74	74	-	-	
	142	5710	74	74	-	-	
	142	5710	74	74	-	-	
	151	5755	91	91	-	-	
	159	5795	91	91	-	-	
802.11ac VHT80	106	5530	75	75	-	-	accessMtool
	122	5610	80	80	-	-	
	142	5690	79	79	-	-	
	142	5690	79	79	-	-	
	155	5775	89	89	-	-	
802.11ac VHT160	114	5570	73	73	-	-	accessMtool

RF power setting in Test SW								
Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ax HE20	100	5500	Full	65	65	-	-	accessMtool
	112	5560	Full	62	62	-	-	
	116	5580	Full	62	62	-	-	
	124	5620	Full	62	62	-	-	
	132	5660	Full	62	62	-	-	
	140	5700	Full	60	60	-	-	
	144	5720	Full	61	61	-	-	
	144	5720	Full	61	61	-	-	
	149	5745	Full	90	90	-	-	
	157	5785	Full	90	90	-	-	
	165	5825	Full	90	90	-	-	
802.11ax HE40	102	5510	Full	73	73	-	-	accessMtool
	110	5550	Full	74	74	-	-	
	126	5630	Full	74	74	-	-	
	134	5670	Full	74	74	-	-	
	142	5710	Full	74	74	-	-	
	142	5710	Full	74	74	-	-	
	151	5755	Full	91	91	-	-	
	159	5795	Full	91	91	-	-	
802.11ax HE80	106	5530	Full	75	75	-	-	accessMtool
	122	5610	Full	80	80	-	-	
	138	5690	Full	79	79	-	-	
	138	5690	Full	79	79	-	-	
	155	5775	Full	89	89	-	-	
802.11ax HE160	114	5570	Full	73	73	-	-	accessMtool

Maximum Conducted Output Power Measurement									
Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11a	6M	100	5500	17.02	16.82	-	-	19.93	24.00
		112	5560	16.72	17.00	-	-	19.87	24.00
		116	5580	16.68	16.98	-	-	19.84	24.00
		124	5620	16.65	16.90	-	-	19.79	24.00
		132	5660	16.70	17.01	-	-	19.87	24.00
		140	5700	17.04	17.08	-	-	20.07	24.00
		144	5720	15.69	15.53	-	-	18.62	22.90
		144	5720	8.96	9.57	-	-	12.28	30.00
		149	5745	23.54	23.48	-	-	26.52	30.00
		157	5785	23.35	23.30	-	-	26.34	30.00
		165	5825	23.06	23.10	-	-	26.09	30.00
802.11n HT20	13M	100	5500	16.91	17.33	-	-	20.14	24.00
		112	5560	17.18	17.22	-	-	20.21	24.00
		116	5580	16.93	17.40	-	-	20.18	24.00
		124	5620	16.75	17.18	-	-	19.98	24.00
		132	5660	16.99	17.16	-	-	20.09	24.00
		140	5700	16.65	16.68	-	-	19.68	24.00
		144	5720	15.45	15.61	-	-	18.54	22.98
		144	5720	10.02	9.92	-	-	12.98	30.00
		149	5745	23.18	23.75	-	-	26.48	30.00
		157	5785	22.94	23.47	-	-	26.22	30.00
		165	5825	22.51	22.74	-	-	25.64	30.00
802.11n HT40	27M	102	5510	18.56	18.94	-	-	21.76	24.00
		110	5550	19.30	19.40	-	-	22.36	24.00
		126	5630	19.15	19.44	-	-	22.31	24.00
		134	5670	19.66	20.03	-	-	22.86	24.00
		142	5710	18.61	19.59	-	-	22.14	24.00
		142	5710	8.48	8.38	-	-	11.44	30.00
		151	5755	23.41	24.15	-	-	26.81	30.00
		159	5795	23.13	23.46	-	-	26.31	30.00

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11ac VHT20	13M	100	5500	17.19	17.43	-	-	20.32	24.00
		112	5560	17.42	17.45	-	-	20.45	24.00
		116	5580	17.22	17.65	-	-	20.45	24.00
		124	5620	17.08	17.29	-	-	20.20	24.00
		132	5660	17.23	17.41	-	-	20.33	24.00
		140	5700	16.82	16.90	-	-	19.87	24.00
		144	5720	15.65	15.72	-	-	18.69	22.98
		144	5720	9.77	9.54	-	-	12.67	30.00
		149	5745	23.61	23.93	-	-	26.78	30.00
		157	5785	23.34	23.59	-	-	26.48	30.00
		165	5825	22.82	22.98	-	-	25.91	30.00
802.11ac VHT40	27M	102	5510	18.98	19.05	-	-	22.03	24.00
		110	5550	19.69	19.81	-	-	22.76	24.00
		126	5630	19.45	19.76	-	-	22.62	24.00
		134	5670	19.88	20.41	-	-	23.16	24.00
		142	5710	18.62	19.58	-	-	22.13	24.00
		142	5710	8.64	9.18	-	-	11.92	30.00
		151	5755	23.77	24.28	-	-	27.04	30.00
		159	5795	23.34	23.86	-	-	26.62	30.00
802.11ac VHT80	58.6M	106	5530	19.58	19.33	-	-	22.47	24.00
		122	5610	20.18	20.09	-	-	23.15	24.00
		138	5690	18.86	20.33	-	-	22.67	24.00
		138	5690	5.19	6.00	-	-	8.62	30.00
		155	5775	22.25	22.42	-	-	25.35	30.00
802.11ac VHT160	117M	114	5570	19.22	18.53	-	-	21.90	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total	
					dBm	dBm	dBm	dBm	dBm	
802.11ax HE20	MCS 0	100	5500	Full	17.69	17.83	-	-	20.77	24.00
		112	5560	Full	17.82	18.10	-	-	20.97	24.00
		116	5580	Full	17.75	18.05	-	-	20.91	24.00
		124	5620	Full	17.70	17.93	-	-	20.83	24.00
		132	5660	Full	17.65	17.88	-	-	20.78	24.00
		140	5700	Full	17.17	17.24	-	-	20.22	24.00
		144	5720	Full	16.39	16.44	-	-	19.43	22.98
		144	5720	Full	11.17	11.19	-	-	14.19	30.00
		149	5745	Full	24.23	24.45	-	-	27.35	30.00
		157	5785	Full	23.96	24.20	-	-	27.09	30.00
		165	5825	Full	23.36	23.45	-	-	26.42	30.00
802.11ax HE40	MCS0	102	5510	Full	19.65	19.53	-	-	22.60	24.00
		110	5550	Full	20.11	20.26	-	-	23.20	24.00
		126	5630	Full	20.05	20.20	-	-	23.14	24.00
		134	5670	Full	20.55	20.83	-	-	23.70	24.00
		142	5710	Full	19.84	20.56	-	-	23.23	24.00
		142	5710	Full	10.07	10.74	-	-	13.43	30.00
		151	5755	Full	24.31	24.74	-	-	27.54	30.00
		159	5795	Full	24.05	24.37	-	-	27.22	30.00
802.11ax HE80	MCS 0	106	5530	Full	20.16	19.85	-	-	23.02	24.00
		122	5610	Full	20.35	20.91	-	-	23.65	24.00
		138	5690	Full	21.14	20.57	-	-	23.87	24.00
		138	5690	Full	7.92	6.97	-	-	10.48	30.00
		155	5775	Full	22.68	22.75	-	-	25.73	30.00
802.11ax HE160	MCS 0	114	5570	Full	19.79	19.18	-	-	22.51	24.00

Maximum Conducted Output Power Measurement												
Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11a	6M	100	5500	11.02	10.82	-	-	13.93	-	5.90	19.83	24.00
		112	5560	10.72	11.00	-	-	13.87	-	5.90	19.77	24.00
		116	5580	10.68	10.98	-	-	13.84	-	5.90	19.74	24.00
		124	5620	10.65	10.90	-	-	13.79	-	5.90	19.69	24.00
		132	5660	10.70	11.01	-	-	13.87	-	5.90	19.77	24.00
		140	5700	11.04	11.08	-	-	14.07	-	5.90	19.97	24.00
		144	5720	9.69	9.53	-	-	12.62	-	5.90	18.52	24.00
802.11n HT20	13M	100	5500	10.91	11.33	-	-	14.14	-	5.90	20.04	24.00
		112	5560	11.18	11.22	-	-	14.21	-	5.90	20.11	24.00
		116	5580	10.93	11.40	-	-	14.18	-	5.90	20.08	24.00
		124	5620	10.75	11.18	-	-	13.98	-	5.90	19.88	24.00
		132	5660	10.99	11.16	-	-	14.09	-	5.90	19.99	24.00
		140	5700	10.65	10.68	-	-	13.68	-	5.90	19.58	24.00
		144	5720	9.45	9.61	-	-	12.54	-	5.90	18.44	24.00
802.11n HT40	27M	102	5510	12.56	12.94	-	-	15.76	-	5.90	21.66	24.00
		110	5550	13.30	13.40	-	-	16.36	-	5.90	22.26	24.00
		126	5630	13.15	13.44	-	-	16.31	-	5.90	22.21	24.00
		134	5670	13.66	14.03	-	-	16.86	-	5.90	22.76	24.00
		142	5710	12.61	13.59	-	-	16.14	-	5.90	22.04	24.00

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ac VHT20	MCS 0	100	5500	11.19	11.43	-	-	14.32	-	5.90	20.22	24.00
		112	5560	11.42	11.45	-	-	14.45	-	5.90	20.35	24.00
		116	5580	11.22	11.65	-	-	14.45	-	5.90	20.35	24.00
		124	5620	11.08	11.29	-	-	14.20	-	5.90	20.1	24.00
		132	5660	11.23	11.41	-	-	14.33	-	5.90	20.23	24.00
		140	5700	10.82	10.90	-	-	13.87	-	5.90	19.77	24.00
802.11ac VHT40	MCS 0	144	5720	9.65	9.72	-	-	12.69	-	5.90	18.59	24.00
		102	5510	12.98	13.05	-	-	16.03	-	5.90	21.93	24.00
		110	5550	13.69	13.81	-	-	16.76	-	5.90	22.66	24.00
		126	5630	13.45	13.76	-	-	16.62	-	5.90	22.52	24.00
		134	5670	13.88	14.41	-	-	17.16	-	5.90	23.06	24.00
802.11ac VHT80	MCS 0	142	5710	12.62	13.58	-	-	16.13	-	5.90	22.03	24.00
		106	5530	13.58	13.33	-	-	16.47	-	5.90	22.37	24.00
		122	5610	14.18	14.09	-	-	17.15	-	5.90	23.05	24.00
802.11ac VHT160	MCS 0	138	5690	12.86	14.33	-	-	16.67	-	5.90	22.57	24.00
		114	5570	13.22	12.53	-	-	15.90	-	5.90	21.80	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit	E.I.R.P		EIRP Power Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
					dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ax HE20	MCS 0	100	5500	Full	11.69	11.83	-	-	14.77	-	5.90	20.67	24.00
		112	5560	Full	11.82	12.10	-	-	14.97	-	5.90	20.87	24.00
		116	5580	Full	11.75	12.05	-	-	14.91	-	5.90	20.81	24.00
		124	5620	Full	11.70	11.93	-	-	14.83	-	5.90	20.73	24.00
		132	5660	Full	11.65	11.88	-	-	14.78	-	5.90	20.68	24.00
		140	5700	Full	11.17	11.24	-	-	14.22	-	5.90	20.12	24.00
802.11ax HE40	MCS0	144	5720	Full	10.39	10.44	-	-	13.43	-	5.90	19.33	24.00
		102	5510	Full	13.65	13.53	-	-	16.60	-	5.90	22.50	24.00
		110	5550	Full	14.11	14.26	-	-	17.20	-	5.90	23.10	24.00
		126	5630	Full	14.05	14.20	-	-	17.14	-	5.90	23.04	24.00
		134	5670	Full	14.55	14.83	-	-	17.70	-	5.90	23.60	24.00
802.11ax HE80	MCS 0	142	5710	Full	13.84	14.56	-	-	17.23	-	5.90	23.13	24.00
		106	5530	Full	14.16	13.85	-	-	17.02	-	5.90	22.92	24.00
		122	5610	Full	14.35	14.91	-	-	17.65	-	5.90	23.55	24.00
802.11ax HE160	MCS 0	138	5690	Full	15.14	14.57	-	-	17.87	-	5.90	23.77	24.00
		114	5570	Full	13.79	13.18	-	-	16.51	-	5.90	22.41	24.00

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	100	5500	17.212	16.973	-	-	21.470	21.140	-	-
	112	5560	17.195	16.971	-	-	21.420	21.180	-	-
	140	5700	17.206	17.003	-	-	21.350	21.300	-	-
	144	5720	13.384	13.400	-	-	15.500	15.600	-	-

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
802.11ax HE20	100	5500	19.189	19.114	-	-	21.700	21.680	-	-
	112	5560	19.194	19.120	-	-	21.590	21.680	-	-
	140	5700	19.192	19.106	-	-	21.800	21.730	-	-
	144	5720	14.545	14.564	-	-	15.780	15.860	-	-
802.11ax HE40	102	5510	37.587	37.726	-	-	40.360	40.310	-	-
	110	5550	37.578	37.745	-	-	40.360	40.360	-	-
	134	5670	37.572	37.751	-	-	40.510	40.180	-	-
	142	5710	33.617	33.613	-	-	34.840	34.960	-	-
802.11ax HE80	106	5530	77.016	77.146	-	-	82.130	82.230	-	-
	122	5610	77.802	77.373	-	-	128.200	94.620	-	-
	138	5690	73.262	73.099	-	-	82.640	76.250	-	-
802.11ax HE160	114	5570	155.760	156.020	-	-	168.200	166.100	-	-

Band III_6 dB & 99 % RF Bandwidth Measurement

Band	CH	Freq. (MHz)	99 % Bandwidth				6 dB Bandwidth			
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
			MHz	MHz	MHz	MHz	kHz	kHz	kHz	kHz
802.11a	144	5720	4.134	3.897	-	-	3183	3197.000	-	-
	149	5745	19.438	19.103	-	-	16310	16360.000	-	-
	157	5785	19.358	19.229	-	-	16090	16350.000	-	-
	165	5825	19.396	18.889	-	-	15930	16350.000	-	-
802.11ax HE20	144	5720	4.678	4.640	-	-	4494	4306	-	-
	149	5745	19.784	19.761	-	-	18710	18640	-	-
	157	5785	19.748	19.956	-	-	18990	18630	-	-
	165	5825	19.695	19.752	-	-	18440	18480	-	-
802.11ax HE40	142	5710	4.122	4.102	-	-	3727	3829	-	-
	151	5755	39.092	38.926	-	-	37680	37680	-	-
	159	5795	38.943	38.968	-	-	37670	37670	-	-
802.11ax HE80	138	5690	7.770	4.514	-	-	3858	3790	-	-
	155	5775	77.948	77.729	-	-	76230	76080	-	-

Power Spectral Density Measurement									
Band	CH	Frequency (MHz)	Measurement				Duty Factor	Calculated	Limit
			Ant-0	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11a	100	5500	3.469	3.269	-	-	2.357	8.737	9.080
	112	5560	3.388	3.194	-	-	2.357	8.659	9.080
	140	5700	3.477	3.379	-	-	2.357	8.795	9.080
	144	5720	3.427	3.364	-	-	2.357	8.763	9.080

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

Band	CH	Frequency (MHz)	Measurement				Duty Factor	Calculated	Limit
			Ant-0	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11ax HE20	100	5500	5.470	5.551	-	-	0.310	8.831	9.080
	112	5560	5.332	5.609	-	-	0.310	8.793	9.080
	140	5700	5.445	5.448	-	-	0.310	8.767	9.080
	144	5720	5.432	5.476	-	-	0.310	8.775	9.080
802.11ax HE40	102	5510	4.950	4.815	-	-	0.322	8.215	9.080
	110	5550	5.557	5.398	-	-	0.322	8.810	9.080
	134	5670	5.371	5.745	-	-	0.322	8.894	9.080
	142	5710	5.317	5.570	-	-	0.322	8.777	9.080
802.11ax HE80	106	5530	2.026	1.821	-	-	0.354	5.289	9.080
	122	5610	2.375	3.285	-	-	0.354	6.218	9.080
	138	5690	3.602	2.988	-	-	0.354	6.670	9.080
802.11ax HE160	114	5570	-1.219	-1.835	-	-	0.354	1.848	9.080

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

Band III_ Power Spectral Density Measurement

Band	CH	Frequency (MHz)	Measurement								Calculated	Limit	PASS/FAIL
			Ant-0		Ant-1		Ant-2		Ant-3		Total		
			dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/500 kHz	dBm/500 kHz	
802.11a	144	5720	-4.860	4.486	-4.112	5.234	-	-	-	-	7.887	28.12	PASS
	149	5745	3.990	13.336	3.622	12.968	-	-	-	-	16.167	28.12	PASS
	157	5785	3.827	13.173	3.380	12.726	-	-	-	-	15.966	28.12	PASS
	165	5825	3.273	12.619	2.982	12.328	-	-	-	-	15.487	28.12	PASS
802.11ax HE20	144	5720	-3.875	3.425	-3.308	3.992	-	-	-	-	6.728	28.12	PASS
	149	5745	3.656	10.956	3.960	11.260	-	-	-	-	14.121	28.12	PASS
	157	5785	3.165	10.465	3.796	11.096	-	-	-	-	13.802	28.12	PASS
	165	5825	2.523	9.823	2.783	10.083	-	-	-	-	12.965	28.12	PASS
802.11ax HE40	142	5710	-3.505	3.807	-3.121	4.191	-	-	-	-	7.013	28.12	PASS
	151	5755	0.963	8.275	1.191	8.503	-	-	-	-	11.400	28.12	PASS
	159	5795	0.465	7.777	0.299	7.611	-	-	-	-	10.705	28.12	PASS
802.11ax HE80	138	5690	-6.614	0.730	-6.450	0.894	-	-	-	-	3.823	28.12	PASS
	155	5775	-3.494	3.850	-3.495	3.849	-	-	-	-	6.860	28.12	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)

Beamforming on _MIMO Low Band B1 & B2A 4X4

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimun VBW (kHz)
802.11ax HE20	5180	5.355	5.385	99.443	0.024	0.010
802.11ax HE40	5190	4.320	4.360	99.083	0.040	0.010
802.11ax HE80	5210	5.430	5.460	99.451	0.024	0.010
802.11ax HE160	5250	5.430	5.460	99.451	0.024	0.010

RF power setting in Test SW								
Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11n HT20	36	5180		80	80	80	80	Putty / command
	40	5200		82	82	82	82	
	44	5220		82	82	82	82	
	48	5240		82	82	82	82	
	52	5260		54	54	54	54	
	56	5280		54	54	54	54	
	60	5300		54	54	54	54	
	64	5320		56	56	56	56	
802.11n HT40	38	5190		69	69	69	69	Putty / command
	46	5230		93	93	93	93	
	54	5270		65	65	65	65	
	62	5310		66	66	66	66	
Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ac VHT20	36	5180		80	80	80	80	Putty / command
	40	5200		82	82	82	82	
	44	5220		82	82	82	82	
	48	5240		82	82	82	82	
	52	5260		54	54	54	54	
	56	5280		54	54	54	54	
	60	5300		54	54	54	54	
	64	5320		56	56	56	56	
802.11ac VHT40	38	5190		69	69	69	69	Putty / command
	46	5230		93	93	93	93	
	54	5270		65	65	65	65	
	62	5310		66	66	66	66	
802.11ac VHT80	42	5210		68	68	68	68	Putty / command
	58	5290		66	66	66	66	
802.11ac VHT160	50	5250		61	61	61	61	Putty / command
	50	5250		61	61	61	61	
Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ax HE20	36	5180	Full	80	80	80	80	Putty / command
	40	5200	Full	82	82	82	82	
	44	5220	Full	82	82	82	82	
	48	5240	Full	82	82	82	82	
	52	5260	Full	54	54	54	54	
	56	5280	Full	54	54	54	54	
	60	5300	Full	54	54	54	54	
	64	5320	Full	56	56	56	56	
802.11ax HE40	38	5190	Full	69	69	69	69	Putty / command
	46	5230	Full	93	93	93	93	
	54	5270	Full	65	65	65	65	
	62	5310	Full	66	66	66	66	
802.11ax HE80	42	5210	Full	68	68	68	68	Putty / command
	58	5290	Full	66	66	66	66	
802.11ax HE160	50	5250	Full	61	61	61	61	Putty / command
	50	5250	Full	61	61	61	61	

Maximum Conducted Output Power Measurement

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11n HT20	26M	36	5180	18.32	18.69	18.11	17.94	24.29	28.76
		40	5200	18.93	18.81	18.90	18.78	24.88	28.76
		44	5220	18.94	18.80	18.78	18.72	24.83	28.76
		48	5240	19.02	18.97	18.98	18.40	24.87	28.76
		52	5260	12.74	12.42	12.70	12.78	18.68	21.91
		56	5280	12.59	12.17	12.42	12.46	18.43	21.91
		60	5300	12.34	12.37	12.42	12.32	18.38	21.91
		64	5320	12.52	12.56	12.39	12.54	18.52	21.91
802.11n HT40	54M	38	5190	15.70	16.21	15.74	15.75	21.88	28.76
		46	5230	20.88	20.87	20.91	21.10	26.96	28.76
		54	5270	14.54	14.65	14.82	14.44	20.64	21.91
		62	5310	14.63	14.84	14.66	14.41	20.66	21.91
Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11ac VHT20	26M	36	5180	18.83	19.14	18.61	18.54	24.81	28.76
		40	5200	19.43	19.23	19.50	19.37	25.40	28.76
		44	5220	19.38	19.23	19.36	19.27	25.33	28.76
		48	5240	19.44	19.51	19.42	18.98	25.36	28.76
		52	5260	13.24	12.93	13.13	13.23	19.15	21.91
		56	5280	13.03	12.76	12.93	12.94	18.94	21.91
		60	5300	12.80	12.78	12.84	12.76	18.82	21.91
		64	5320	13.08	13.01	12.97	12.99	19.03	21.91
802.11ac VHT40	54M	38	5190	16.22	16.64	16.18	16.32	22.36	28.76
		46	5230	21.43	21.30	21.39	21.56	27.44	28.76
		54	5270	14.98	15.12	15.26	14.97	21.10	21.91
		62	5310	15.03	15.25	15.20	14.91	21.12	21.91
802.11ac VHT80	117.2M	42	5210	16.06	15.95	15.79	16.03	21.98	28.76
		58	5290	15.25	15.10	14.90	15.35	21.17	21.91
802.11ac VHT160	234M	50	5250	12.18	12.07	11.57	12.02	17.99	27.91
		50	5250	11.66	11.66	11.41	11.75	17.64	21.91

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total	
					dBm	dBm	dBm	dBm	dBm	
802.11ax HE20	MCS 0	36	5180	Full	19.41	19.62	19.19	19.07	25.35	28.76
		40	5200	Full	19.93	19.81	20.03	19.77	25.91	28.76
		44	5220	Full	19.89	19.75	19.90	19.69	25.83	28.76
		48	5240	Full	19.94	19.92	20.00	19.55	25.88	28.76
		52	5260	Full	13.78	13.49	13.54	13.68	19.64	21.91
		56	5280	Full	13.51	13.35	13.40	13.50	19.46	21.91
		60	5300	Full	13.39	13.20	13.31	13.25	19.31	21.91
		64	5320	Full	13.62	13.51	13.44	13.57	19.56	21.91
802.11ax HE40	MCS0	38	5190	Full	16.63	17.10	16.60	16.88	22.83	28.76
		46	5230	Full	21.85	21.86	21.93	22.15	27.97	28.76
		54	5270	Full	15.53	15.66	15.76	15.48	21.63	21.91
		62	5310	Full	15.61	15.65	15.79	15.49	21.66	21.91
802.11ax HE80	MCS 0	42	5210	Full	16.47	16.51	16.37	16.44	22.47	28.76
		58	5290	Full	15.72	15.70	15.50	15.95	21.74	21.91
802.11ax HE160	MCS 0	50	5250	Full	12.84	12.85	12.54	12.81	18.78	27.91
		50	5250	Full	12.47	12.42	12.22	12.41	18.40	21.91

Maximum Conducted Output Power Measurement												
Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11n HT20	26M	52	5260	6.74	6.42	6.70	6.78	12.68	-	8.09	20.77	24.00
		56	5280	6.59	6.17	6.42	6.46	12.43	-	8.09	20.52	24.00
		60	5300	6.34	6.37	6.42	6.32	12.38	-	8.09	20.47	24.00
		64	5320	6.52	6.56	6.39	6.54	12.52	-	8.09	20.61	24.00
802.11n HT40	54M	54	5270	8.54	8.65	8.82	8.44	14.64	-	8.09	22.73	24.00
		62	5310	8.63	8.84	8.66	8.41	14.66	-	8.09	22.75	24.00

Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ac VHT20	MCS 0	52	5260	7.24	6.93	7.13	7.23	13.15	-	8.09	21.24	24.00
		56	5280	7.03	6.76	6.93	6.94	12.94	-	8.09	21.03	24.00
		60	5300	6.80	6.78	6.84	6.76	12.82	-	8.09	20.91	24.00
		64	5320	7.08	7.01	6.97	6.99	13.03	-	8.09	21.12	24.00
802.11ac VHT40	MCS 0	54	5270	8.98	9.12	9.26	8.97	15.10	-	8.09	23.19	24.00
		62	5310	9.03	9.25	9.20	8.91	15.12	-	8.09	23.21	24.00
802.11ac VHT80	MCS 0	58	5290	9.25	9.10	8.90	9.35	15.17	-	8.09	23.26	24.00
802.11ac VHT160	MCS 0	50	5250	5.66	5.66	5.41	5.75	11.64	-	8.09	19.73	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit	E.I.R.P		EIRP Power Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
					dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ax HE20	MCS 0	52	5260	Full	7.78	7.49	7.54	7.68	13.64	-	8.09	21.73	24.00
		56	5280	Full	7.51	7.35	7.40	7.50	13.46	-	8.09	21.55	24.00
		60	5300	Full	7.39	7.20	7.31	7.25	13.31	-	8.09	21.40	24.00
		64	5320	Full	7.62	7.51	7.44	7.57	13.56	-	8.09	21.65	24.00
802.11ax HE40	MCS0	54	5270	Full	9.53	9.66	9.76	9.48	15.63	-	8.09	23.72	24.00
		62	5310	Full	9.61	9.65	9.79	9.49	15.66	-	8.09	23.75	24.00
802.11ax HE80	MCS 0	58	5290	Full	9.72	9.70	9.50	9.95	15.74	-	8.09	23.83	24.00
802.11ax HE160	MCS 0	50	5250	Full	6.47	6.42	6.22	6.41	12.40	-	8.09	20.49	24.00

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
802.11ax HE20	36	5180	19.074	19.162	19.159	19.175	21.290	21.690	22.020	21.910
	40	5200	19.153	19.118	19.174	19.124	21.690	21.760	21.300	21.880
	48	5240	19.208	19.107	19.094	19.198	22.200	22.190	21.600	21.630
	52	5260	19.149	19.109	19.064	19.108	21.660	21.640	21.370	21.180
	56	5280	19.066	19.174	19.116	19.158	21.310	21.850	21.550	21.460
	64	5320	19.113	19.052	19.139	19.150	21.660	21.830	21.370	21.630
802.11ax HE40	38	5190	37.765	37.799	37.814	37.771	40.810	41.030	41.000	40.630
	46	5230	38.057	38.232	38.092	38.105	60.490	71.120	59.100	62.960
	54	5270	37.811	19.819	37.773	37.832	40.850	40.400	40.720	40.740
	62	5310	37.791	37.751	37.785	37.749	40.470	40.440	40.880	40.580
802.11ax HE80	42	5210	77.223	77.087	77.218	77.101	82.090	82.300	81.690	81.920
	58	5290	77.140	77.348	77.322	77.469	81.860	81.840	82.240	82.700
802.11ax HE160	50	5250	77.102	77.168	77.502	77.241	80.390	80.210	81.200	80.950
	50	5250	77.573	77.565	77.401	77.708	81.840	81.850	82.320	82.170

Power Spectral Density Measurement									
Band	CH	Frequency (MHz)	Measurement				Duty Factor	Calculated	Limit
			Ant-0	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11ax HE20	36	5180	9.018	8.962	9.199	9.176	0.024	15.135	15.760
	40	5200	9.668	9.396	9.818	9.504	0.024	15.644	15.760
	48	5240	9.517	9.598	9.763	9.540	0.024	15.650	15.760
	52	5260	2.595	2.749	2.481	2.725	0.024	8.684	8.910
	56	5280	2.622	2.738	2.438	2.907	0.024	8.724	8.910
	64	5320	2.847	2.649	2.630	2.821	0.024	8.783	8.910
802.11ax HE40	38	5190	3.326	3.467	2.980	3.150	0.040	9.295	15.760
	46	5230	8.762	8.855	8.983	9.316	0.040	15.045	15.760
	54	5270	1.827	1.865	1.772	1.833	0.040	7.885	8.910
	62	5310	1.740	1.719	1.757	1.548	0.040	7.752	8.910
802.11ax HE80	42	5210	0.287	0.495	-0.210	-0.156	0.024	6.159	15.760
	58	5290	-0.969	-0.909	-1.149	-1.194	0.024	4.991	8.910
802.11ax HE160	50	5250	-4.515	-4.007	-4.787	-4.315	0.024	1.648	14.910
	50	5250	-4.970	-4.884	-4.342	-4.676	0.024	1.333	8.910

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

Beamforming on MIMO High Band B2C & B3 2X2

Duty cycle						
Band	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11ax HE20	5500	5.355	5.385	99.443	0.024	0.010
802.11ax HE40	5510	3.910	3.940	99.239	0.033	0.010
802.11ax HE80	5530	3.720	3.760	98.936	0.046	0.010
802.11ax HE160	5570	4.470	4.500	99.333	0.029	0.010

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11n HT20	100	5500	60	60	-	-	Putty / command
	112	5560	58	58	-	-	
	116	5580	58	58	-	-	
	124	5620	58	58	-	-	
	132	5660	58	58	-	-	
	140	5700	58	58	-	-	
	144	5720	58	58	-	-	
	144	5720	58	58	-	-	
	149	5745	89	89	-	-	
	157	5785	89	89	-	-	
802.11n HT40	165	5825	89	89	-	-	Putty / command
	102	5510	73	73	-	-	
	110	5550	71	71	-	-	
	126	5630	71	71	-	-	
	134	5670	71	71	-	-	
	142	5710	66	66	-	-	
	142	5710	66	66	-	-	
	151	5755	91	91	-	-	
	159	5795	91	91	-	-	

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ac VHT20	100	5500	60	60	-	-	Putty / command
	112	5560	58	58	-	-	
	116	5580	58	58	-	-	
	124	5620	58	58	-	-	
	132	5660	58	58	-	-	
	140	5700	58	58	-	-	
	144	5720	58	58	-	-	
	144	5720	58	58	-	-	
	149	5745	89	89	-	-	
	157	5785	89	89	-	-	
	165	5825	89	89	-	-	
802.11ac VHT40	102	5510	73	73	-	-	Putty / command
	110	5550	71	71	-	-	
	126	5630	71	71	-	-	
	134	5670	71	71	-	-	
	142	5710	66	66	-	-	
	142	5710	66	66	-	-	
	151	5755	91	91	-	-	
	159	5795	91	91	-	-	
802.11ac VHT80	106	5530	69	69	-	-	Putty / command
	122	5610	70	70	-	-	
	142	5690	65	65	-	-	
	142	5690	65	65	-	-	
	155	5775	92	92	-	-	
802.11ac VHT160	114	5570	57	57	-	-	Putty / command

RF power setting in Test SW								
Mode	CH	Frequency (MHz)		Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11ax HE20	100	5500	Full	60	60	-	-	Putty / command
	112	5560	Full	58	58	-	-	
	116	5580	Full	58	58	-	-	
	124	5620	Full	58	58	-	-	
	132	5660	Full	58	58	-	-	
	140	5700	Full	58	58	-	-	
	144	5720	Full	58	58	-	-	
	144	5720	Full	58	58	-	-	
	149	5745	Full	89	89	-	-	
	157	5785	Full	89	89	-	-	
	165	5825	Full	89	89	-	-	
802.11ax HE40	102	5510	Full	73	73	-	-	Putty / command
	110	5550	Full	71	71	-	-	
	126	5630	Full	71	71	-	-	
	134	5670	Full	71	71	-	-	
	142	5710	Full	66	66	-	-	
	142	5710	Full	66	66	-	-	
	151	5755	Full	91	91	-	-	
	159	5795	Full	91	91	-	-	
802.11ax HE80	106	5530	Full	69	69	-	-	Putty / command
	122	5610	Full	70	70	-	-	
	138	5690	Full	65	65	-	-	
	138	5690	Full	65	65	-	-	
	155	5775	Full	92	92	-	-	
802.11ax HE160	114	5570	Full	57	57	-	-	Putty / command

Maximum Conducted Output Power Measurement									
Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11n HT20	13M	100	5500	15.30	15.24	-	-	18.28	21.12
		112	5560	15.29	15.65	-	-	18.48	21.12
		116	5580	15.27	15.55	-	-	18.42	21.12
		124	5620	15.20	15.60	-	-	18.41	21.12
		132	5660	15.02	15.45	-	-	18.25	21.12
		140	5700	15.23	15.48	-	-	18.37	21.12
		144	5720	13.91	14.58	-	-	17.27	20.08
		144	5720	9.02	9.40	-	-	12.22	27.10
		149	5745	21.28	21.57	-	-	24.44	27.10
		157	5785	21.53	21.05	-	-	24.31	27.10
		165	5825	21.17	20.52	-	-	23.87	27.10
802.11n HT40	27M	102	5510	17.96	17.91	-	-	20.95	21.12
		110	5550	17.49	18.01	-	-	20.77	21.12
		126	5630	17.34	17.78	-	-	20.58	21.12
		134	5670	17.83	17.86	-	-	20.86	21.12
		142	5710	16.90	17.17	-	-	20.05	21.12
		142	5710	7.24	7.38	-	-	10.32	27.10
		151	5755	22.22	21.61	-	-	24.94	27.10
		159	5795	21.93	21.21	-	-	24.60	27.10

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total	
				dBm	dBm	dBm	dBm	dBm	
802.11ac VHT20	13M	100	5500	15.36	15.32	-	-	18.35	21.12
		112	5560	15.30	15.78	-	-	18.56	21.12
		116	5580	15.28	15.68	-	-	18.49	21.12
		124	5620	15.23	15.62	-	-	18.44	21.12
		132	5660	15.14	15.54	-	-	18.35	21.12
		140	5700	15.36	15.51	-	-	18.45	21.12
		144	5720	14.45	14.83	-	-	17.66	20.08
		144	5720	9.34	9.70	-	-	12.54	27.10
		149	5745	21.41	21.60	-	-	24.52	27.10
		157	5785	21.58	21.12	-	-	24.37	27.10
		165	5825	21.19	20.55	-	-	23.89	27.10
802.11ac VHT40	27M	102	5510	18.02	17.97	-	-	21.01	21.12
		110	5550	17.62	18.03	-	-	20.84	21.12
		126	5630	17.45	17.89	-	-	20.69	21.12
		134	5670	17.84	17.91	-	-	20.89	21.12
		142	5710	16.98	17.29	-	-	20.15	21.12
		142	5710	7.29	7.29	-	-	10.30	27.10
		151	5755	22.30	21.73	-	-	25.03	27.10
		159	5795	22.05	21.30	-	-	24.70	27.10
802.11ac VHT80	58.6M	106	5530	16.95	17.40	-	-	20.19	21.12
		122	5610	17.62	17.68	-	-	20.66	21.12
		138	5690	17.54	17.38	-	-	20.47	21.12
		138	5690	4.02	3.95	-	-	7.00	27.10
		155	5775	22.58	22.12	-	-	25.37	27.10
802.11ac VHT160	117M	114	5570	14.46	14.17	-	-	17.33	21.12

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total	
					dBm	dBm	dBm	dBm	dBm	
802.11ax HE20	MCS 0	100	5500	Full	15.49	15.45	-	-	18.48	21.12
		112	5560	Full	15.43	15.80	-	-	18.63	21.12
		116	5580	Full	15.36	15.72	-	-	18.55	21.12
		124	5620	Full	15.30	15.66	-	-	18.49	21.12
		132	5660	Full	15.22	15.60	-	-	18.42	21.12
		140	5700	Full	15.43	15.58	-	-	18.52	21.12
		144	5720	Full	15.04	15.49	-	-	18.28	20.08
		144	5720	Full	9.92	10.24	-	-	13.09	27.10
		149	5745	Full	21.52	21.67	-	-	24.61	27.10
		157	5785	Full	21.69	21.23	-	-	24.48	27.10
		165	5825	Full	21.26	20.63	-	-	23.97	27.10
802.11ax HE40	MCS0	102	5510	Full	18.08	18.02	-	-	21.06	21.12
		110	5550	Full	17.67	18.09	-	-	20.90	21.12
		126	5630	Full	17.58	18.00	-	-	20.81	21.12
		134	5670	Full	17.91	17.93	-	-	20.93	21.12
		142	5710	Full	17.82	17.58	-	-	20.71	21.12
		142	5710	Full	7.92	7.90	-	-	10.92	27.10
		151	5755	Full	22.37	21.82	-	-	25.11	27.10
		159	5795	Full	22.10	21.33	-	-	24.74	27.10
802.11ax HE80	MCS 0	106	5530	Full	17.01	17.49	-	-	20.27	21.12
		122	5610	Full	17.73	17.76	-	-	20.76	21.12
		138	5690	Full	17.88	17.83	-	-	20.86	21.12
		138	5690	Full	4.54	4.23	-	-	7.40	27.10
		155	5775	Full	22.64	22.20	-	-	25.44	27.10
802.11ax HE160	MCS 0	114	5570	Full	14.52	14.23	-	-	17.39	21.12

Maximum Conducted Output Power Measurement												
Band	Data Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dBd	dBm	
802.11n HT20	13M	100	5500	9.30	9.24	-	-	12.28	-	8.88	21.16	24.00
		112	5560	9.29	9.65	-	-	12.48	-	8.88	21.36	24.00
		116	5580	9.27	9.55	-	-	12.42	-	8.88	21.30	24.00
		124	5620	9.20	9.60	-	-	12.41	-	8.88	21.29	24.00
		132	5660	9.02	9.45	-	-	12.25	-	8.88	21.13	24.00
		140	5700	9.23	9.48	-	-	12.37	-	8.88	21.25	24.00
		144	5720	7.91	8.58	-	-	11.27	-	8.88	20.15	24.00
802.11n HT40	27M	102	5510	11.96	11.91	-	-	14.95	-	8.88	23.83	24.00
		110	5550	11.49	12.01	-	-	14.77	-	8.88	23.65	24.00
		126	5630	11.34	11.78	-	-	14.58	-	8.88	23.46	24.00
		134	5670	11.83	11.86	-	-	14.86	-	8.88	23.74	24.00
		142	5710	10.90	11.17	-	-	14.05	-	8.88	22.93	24.00

Band	Date Rate or Sub-test	CH	Frequency (MHz)	Average power					Limit	E.I.R.P		EIRP Power Limit
				Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
				dBm	dBm	dBm	dBm	dBm		dBd	dBm	
802.11ac VHT20	MCS 0	100	5500	9.36	9.32	-	-	12.35	-	8.88	21.23	24.00
		112	5560	9.30	9.78	-	-	12.56	-	8.88	21.44	24.00
		116	5580	9.28	9.68	-	-	12.49	-	8.88	21.37	24.00
		124	5620	9.23	9.62	-	-	12.44	-	8.88	21.32	24.00
		132	5660	9.14	9.54	-	-	12.35	-	8.88	21.23	24.00
		140	5700	9.36	9.51	-	-	12.45	-	8.88	21.33	24.00
802.11ac VHT40	MCS 0	102	5510	12.02	11.97	-	-	15.01	-	8.88	23.89	24.00
		110	5550	11.62	12.03	-	-	14.84	-	8.88	23.72	24.00
		126	5630	11.45	11.89	-	-	14.69	-	8.88	23.57	24.00
		134	5670	11.84	11.91	-	-	14.89	-	8.88	23.77	24.00
		142	5710	10.98	11.29	-	-	14.15	-	8.88	23.03	24.00
802.11ac VHT80	MCS 0	106	5530	10.95	11.40	-	-	14.19	-	8.88	23.07	24.00
		122	5610	11.62	11.68	-	-	14.66	-	8.88	23.54	24.00
		138	5690	11.54	11.38	-	-	14.47	-	8.88	23.35	24.00
802.11ac VHT160	MCS 0	114	5570	8.46	8.17	-	-	11.33	-	8.88	20.21	24.00

Band	Date Rate or Sub-test	CH	Freq. (MHz)	RU	Average power					Limit	E.I.R.P		EIRP Power Limit
					Ant-0	Ant-1	Ant-2	Ant-3	Total		Gain	Calculated Results	
					dBm	dBm	dBm	dBm	dBm		dB	dBm	
802.11ax HE20	MCS 0	100	5500	Full	9.49	9.45	-	-	12.48	-	8.88	21.36	24.00
		112	5560	Full	9.43	9.80	-	-	12.63	-	8.88	21.51	24.00
		116	5580	Full	9.36	9.72	-	-	12.55	-	8.88	21.43	24.00
		124	5620	Full	9.30	9.66	-	-	12.49	-	8.88	21.37	24.00
		132	5660	Full	9.22	9.60	-	-	12.42	-	8.88	21.30	24.00
		140	5700	Full	9.43	9.58	-	-	12.52	-	8.88	21.40	24.00
802.11ax HE40	MCS0	144	5720	Full	9.04	9.49	-	-	12.28	-	8.88	21.16	24.00
		102	5510	Full	12.08	12.02	-	-	15.06	-	8.88	23.94	24.00
		110	5550	Full	11.67	12.09	-	-	14.90	-	8.88	23.78	24.00
		126	5630	Full	11.58	12.00	-	-	14.81	-	8.88	23.69	24.00
		134	5670	Full	11.91	11.93	-	-	14.93	-	8.88	23.81	24.00
802.11ax HE80	MCS 0	142	5710	Full	11.82	11.58	-	-	14.71	-	8.88	23.59	24.00
		106	5530	Full	11.01	11.49	-	-	14.27	-	8.88	23.15	24.00
		122	5610	Full	11.73	11.76	-	-	14.76	-	8.88	23.64	24.00
802.11ax HE160	MCS 0	138	5690	Full	11.88	11.83	-	-	14.86	-	8.88	23.74	24.00
		114	5570	Full	8.52	8.23	-	-	11.39	-	8.88	20.27	24.00

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
802.11ax HE20	100	5500	19.145	19.100	-	-	21.840	21.790	-	-
	112	5560	19.137	19.143	-	-	21.890	21.760	-	-
	140	5700	19.139	19.152	-	-	21.850	21.760	-	-
	144	5720	14.514	14.498	-	-	15.810	15.720	-	-
802.11ax HE40	102	5510	37.643	37.671	-	-	40.360	40.840	-	-
	110	5550	37.685	37.674	-	-	40.400	40.760	-	-
	134	5670	37.619	37.756	-	-	40.490	40.630	-	-
	142	5710	33.622	33.622	-	-	35.040	35.050	-	-
802.11ax HE80	106	5530	77.077	77.088	-	-	82.070	81.690	-	-
	122	5610	77.252	77.055	-	-	82.050	81.900	-	-
	138	5690	73.002	73.100	-	-	75.640	76.040	-	-
802.11ax HE160	114	5570	155.730	156.000	-	-	162.200	162.700	-	-

Band III_6 dB & 99 % RF Bandwidth Measurement

Band	CH	Freq. (MHz)	99 % Bandwidth				6 dB Bandwidth			
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
			MHz	MHz	MHz	MHz	kHz	kHz	kHz	kHz
802.11ax HE20	144	5720	4.670	4.659	-	-	4583	4582	-	-
	149	5745	19.733	19.757	-	-	19060	19070	-	-
	157	5785	19.600	19.874	-	-	19110	19120	-	-
	165	5825	19.663	19.638	-	-	19080	19100	-	-
802.11ax HE40	142	5710	4.112	4.114	-	-	3617	3804	-	-
	151	5755	38.664	38.646	-	-	37720	37730	-	-
	159	5795	38.639	38.725	-	-	36870	36880	-	-
802.11ax HE80	138	5690	4.265	4.238	-	-	4021	4031	-	-
	155	5775	79.201	78.065	-	-	70880	75740	-	-

Power Spectral Density Measurement									
Band	CH	Frequency (MHz)	Measurement				Duty Factor	Calculated	Limit
			Ant-0	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11ax HE20	100	5500	4.541	5.004	-	-	0.024	10.846	8.120
	112	5560	4.651	5.037	-	-	0.024	11.796	8.120
	140	5700	4.595	5.094	-	-	0.024	9.854	8.120
	144	5720	4.760	4.945	-	-	0.024	11.762	8.120
802.11ax HE40	102	5510	4.783	5.095	-	-	0.033	8.497	8.120
	110	5550	4.621	4.846	-	-	0.033	10.254	8.120
	134	5670	4.710	4.834	-	-	0.033	8.508	8.120
	142	5710	3.730	3.660	-	-	0.033	10.400	8.120
802.11ax HE80	106	5530	0.826	1.059	-	-	0.046	5.332	8.120
	122	5610	2.093	1.515	-	-	0.046	7.282	8.120
	138	5690	0.811	0.611	-	-	0.046	7.311	8.120
802.11ax HE160	114	5570	-2.889	-3.982	-	-	0.029	0.835	8.120

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

Band III_ Power Spectral Density Measurement

Band	CH	Frequency (MHz)	Measurement								Calculated	Limit	PASS/FAIL
			Ant-0		Ant-1		Ant-2		Ant-3		Total		
			dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/100 kHz	dBm/500 kHz	dBm/500 kHz	dBm/500 kHz	
802.11ax HE20	144	5720	-5.289	1.725	-5.295	1.719	-	-	-	-	4.732	27.10	PASS
	149	5745	2.006	9.020	1.694	8.708	-	-	-	-	11.877	27.10	PASS
	157	5785	1.924	8.938	1.552	8.566	-	-	-	-	11.766	27.10	PASS
	165	5825	1.535	8.549	0.681	7.695	-	-	-	-	11.153	27.10	PASS
802.11ax HE40	142	5710	-7.145	-0.122	-6.956	0.067	-	-	-	-	2.984	27.10	PASS
	151	5755	-0.033	6.990	-0.746	6.277	-	-	-	-	9.658	27.10	PASS
	159	5795	-0.681	6.342	-0.883	6.140	-	-	-	-	9.252	27.10	PASS
802.11ax HE80	138	5690	-9.857	-2.821	-10.611	-3.575	-	-	-	-	-0.171	27.10	PASS
	155	5775	-2.648	4.388	-3.569	3.467	-	-	-	-	6.962	27.10	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)