

Appendix A. Test Data

1X1

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	30.000	30.000	100.000	0.000	0.010
802.11n HT20	5180	5.460	5.580	97.849	0.094	0.183
802.11n HT40	5190	5.460	5.540	98.556	0.063	0.010
802.11ac VHT20	5180	5.460	5.560	98.201	0.079	0.010
802.11ac VHT40	5190	5.460	5.560	98.201	0.079	0.010
802.11ac VHT80	5210	5.480	5.520	99.275	0.032	0.010
802.11ac VHT160	5250	5.460	5.520	98.913	0.047	0.010
802.11ax HE20	5180	5.480	5.580	98.208	0.079	0.010
802.11ax HE40	5190	5.480	5.580	98.208	0.079	0.010
802.11ax HE80	5210	5.480	5.580	98.208	0.079	0.010
802.11ax HE160	5250	5.480	5.540	98.917	0.047	0.010
802.11be EHT20	5180	5.480	5.520	99.275	0.032	0.010
802.11be EHT40	5190	5.500	5.600	98.214	0.078	0.010
802.11be EHT80	5210	5.500	5.580	98.566	0.063	0.010
802.11be EHT160	5250	5.480	5.540	98.917	0.047	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	6.5M
802.11n HT20	40	5200	6.5M
802.11n HT20	48	5240	6.5M
802.11n HT20	52	5260	6.5M
802.11n HT20	56	5280	6.5M
802.11n HT20	64	5320	6.5M
802.11n HT20	100	5500	6.5M
802.11n HT20	112	5560	6.5M
802.11n HT20	140	5700	6.5M
802.11n HT20	144	5720	6.5M
802.11n HT20	149	5745	6.5M
802.11n HT20	157	5785	6.5M
802.11n HT20	165	5825	6.5M
802.11n HT40	38	5190	13.5M
802.11n HT40	46	5230	13.5M
802.11n HT40	54	5270	13.5M
802.11n HT40	62	5310	13.5M
802.11n HT40	102	5510	13.5M
802.11n HT40	110	5550	13.5M
802.11n HT40	134	5670	13.5M
802.11n HT40	142	5710	13.5M
802.11n HT40	151	5755	13.5M
802.11n HT40	159	5795	13.5M

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
802.11be EHT20	36	5180	MCS 0
802.11be EHT20	40	5200	MCS 0
802.11be EHT20	48	5240	MCS 0
802.11be EHT20	52	5260	MCS 0
802.11be EHT20	56	5280	MCS 0
802.11be EHT20	64	5320	MCS 0
802.11be EHT20	100	5500	MCS 0
802.11be EHT20	112	5560	MCS 0
802.11be EHT20	140	5700	MCS 0
802.11be EHT20	144	5720	MCS 0
802.11be EHT20	149	5745	MCS 0
802.11be EHT20	157	5785	MCS 0
802.11be EHT20	165	5825	MCS 0
802.11be EHT40	38	5190	MCS 0
802.11be EHT40	46	5230	MCS 0
802.11be EHT40	54	5270	MCS 0
802.11be EHT40	62	5310	MCS 0
802.11be EHT40	102	5510	MCS 0
802.11be EHT40	110	5550	MCS 0
802.11be EHT40	134	5670	MCS 0
802.11be EHT40	142	5710	MCS 0
802.11be EHT40	151	5755	MCS 0
802.11be EHT40	159	5795	MCS 0
802.11be EHT80	42	5210	MCS 0
802.11be EHT80	58	5290	MCS 0
802.11be EHT80	106	5530	MCS 0
802.11be EHT80	122	5610	MCS 0
802.11be EHT80	138	5690	MCS 0
802.11be EHT80	155	5775	MCS 0
802.11be EHT160	50	5250	MCS 0
802.11be EHT160	114	5570	MCS 0

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	20	-	-	-	QSPR x86 6.00.00146.1
	40	5200	20	-	-	-	
	48	5240	20	-	-	-	
	52	5260	20	-	-	-	
	56	5280	20	-	-	-	
	64	5320	20	-	-	-	
	100	5500	20	-	-	-	
	112	5560	20	-	-	-	
	140	5700	20	-	-	-	
	144	5720	20	-	-	-	
	149	5745	20	-	-	-	
	157	5785	20	-	-	-	
	165	5825	20	-	-	-	
802.11n HT20	36	5180	20	-	-	-	QSPR x86 6.00.00146.1
	40	5200	20	-	-	-	
	48	5240	20	-	-	-	
	52	5260	20	-	-	-	
	56	5280	20	-	-	-	
	64	5320	20	-	-	-	
	100	5500	20	-	-	-	
	112	5560	20	-	-	-	
	140	5700	20	-	-	-	
	144	5720	20	-	-	-	
	149	5745	20	-	-	-	
	157	5785	20	-	-	-	
	165	5825	20	-	-	-	
802.11n HT40	38	5190	20	-	-	-	QSPR x86 6.00.00146.1
	46	5230	20	-	-	-	
	54	5270	20	-	-	-	
	62	5310	20	-	-	-	
	102	5510	20	-	-	-	
	110	5550	20	-	-	-	
	134	5670	20	-	-	-	
	142	5710	20	-	-	-	
	151	5755	20	-	-	-	
	159	5795	20	-	-	-	

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	20	-	-	-	QSPR x86 6.00.00146.1
	40	5200	20	-	-	-	
	48	5240	20	-	-	-	
	52	5260	20	-	-	-	
	56	5280	20	-	-	-	
	64	5320	20	-	-	-	
	100	5500	20	-	-	-	
	112	5560	20	-	-	-	
	140	5700	20	-	-	-	
	144	5720	20	-	-	-	
	149	5745	20	-	-	-	
	157	5785	20	-	-	-	
	165	5825	20	-	-	-	
802.11ac VHT40	38	5190	20	-	-	-	QSPR x86 6.00.00146.1
	46	5230	20	-	-	-	
	54	5270	20	-	-	-	
	62	5310	20	-	-	-	
	102	5510	20	-	-	-	
	110	5550	20	-	-	-	
	134	5670	20	-	-	-	
	142	5710	20	-	-	-	
	151	5755	20	-	-	-	
802.11ac VHT80	159	5795	20	-	-	-	QSPR x86 6.00.00146.1
	42	5210	20	-	-	-	
	58	5290	20	-	-	-	
	106	5530	20	-	-	-	
	122	5610	20	-	-	-	
	138	5690	20	-	-	-	
802.11ac VHT160	155	5775	20	-	-	-	QSPR x86 6.00.00146.1
	50	5250	19	-	-	-	
	114	5570	19	-	-	-	

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	20	-	-	-	QSPR x86 6.00.00146.1
	40	5200	20	-	-	-	
	48	5240	20	-	-	-	
	52	5260	20	-	-	-	
	56	5280	20	-	-	-	
	64	5320	20	-	-	-	
	100	5500	20	-	-	-	
	112	5560	20	-	-	-	
	140	5700	20	-	-	-	
	144	5720	20	-	-	-	
	149	5745	20	-	-	-	
	157	5785	20	-	-	-	
	165	5825	20	-	-	-	
802.11ax HE40	38	5190	20	-	-	-	QSPR x86 6.00.00146.1
	46	5230	20	-	-	-	
	54	5270	20	-	-	-	
	62	5310	20	-	-	-	
	102	5510	20	-	-	-	
	110	5550	20	-	-	-	
	134	5670	20	-	-	-	
	142	5710	20	-	-	-	
	151	5755	20	-	-	-	
802.11ax HE80	159	5795	20	-	-	-	QSPR x86 6.00.00146.1
	42	5210	20	-	-	-	
	58	5290	20	-	-	-	
	106	5530	20	-	-	-	
	122	5610	20	-	-	-	
	138	5690	20	-	-	-	
802.11ax HE160	155	5775	20	-	-	-	QSPR x86 6.00.00146.1
	50	5250	19	-	-	-	
	114	5570	19	-	-	-	

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11be EHT20	36	5180	20	-	-	-	QSPR x86 6.00.00146.1
	40	5200	20	-	-	-	
	48	5240	20	-	-	-	
	52	5260	20	-	-	-	
	56	5280	20	-	-	-	
	64	5320	20	-	-	-	
	100	5500	20	-	-	-	
	112	5560	20	-	-	-	
	140	5700	20	-	-	-	
	144	5720	20	-	-	-	
	149	5745	20	-	-	-	
	157	5785	20	-	-	-	
	165	5825	20	-	-	-	
802.11be EHT40	38	5190	20	-	-	-	QSPR x86 6.00.00146.1
	46	5230	20	-	-	-	
	54	5270	20	-	-	-	
	62	5310	20	-	-	-	
	102	5510	20	-	-	-	
	110	5550	20	-	-	-	
	134	5670	20	-	-	-	
	142	5710	20	-	-	-	
	151	5755	20	-	-	-	
802.11be EHT80	159	5795	20	-	-	-	QSPR x86 6.00.00146.1
	42	5210	20	-	-	-	
	58	5290	20	-	-	-	
	106	5530	20	-	-	-	
	122	5610	20	-	-	-	
	138	5690	20	-	-	-	
802.11be EHT160	155	5775	20	-	-	-	QSPR x86 6.00.00146.1
	50	5250	19	-	-	-	
	114	5570	19	-	-	-	

Maximum Conducted Output Power Measurement

Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11a	36	5180	19.68	-	-	-	-	30.00
	40	5200	19.92	-	-	-	-	30.00
	48	5240	20.32	-	-	-	-	30.00
	52	5260	20.61	-	-	-	-	24.00
	56	5280	20.80	-	-	-	-	24.00
	64	5320	20.79	-	-	-	-	24.00
	100	5500	19.36	-	-	-	-	24.00
	112	5560	19.16	-	-	-	-	24.00
	140	5700	20.41	-	-	-	-	24.00
	144	5720	20.08	-	-	-	-	23.11
	149	5745	19.81	-	-	-	-	30.00
	157	5785	18.91	-	-	-	-	30.00
	165	5825	18.82	-	-	-	-	30.00
802.11n HT20	36	5180	19.40	-	-	-	-	30.00
	40	5200	19.25	-	-	-	-	30.00
	48	5240	19.81	-	-	-	-	30.00
	52	5260	20.09	-	-	-	-	24.00
	56	5280	20.29	-	-	-	-	24.00
	64	5320	20.26	-	-	-	-	24.00
	100	5500	18.98	-	-	-	-	24.00
	112	5560	18.71	-	-	-	-	24.00
	140	5700	19.96	-	-	-	-	24.00
	144	5720	19.69	-	-	-	-	23.20
	149	5745	19.40	-	-	-	-	30.00
	157	5785	18.31	-	-	-	-	30.00
	165	5825	18.28	-	-	-	-	30.00
802.11n HT40	38	5190	19.45	-	-	-	-	30.00
	46	5230	19.75	-	-	-	-	30.00
	54	5270	20.39	-	-	-	-	24.00
	62	5310	20.67	-	-	-	-	24.00
	102	5510	19.15	-	-	-	-	24.00
	110	5550	18.85	-	-	-	-	24.00
	134	5670	20.29	-	-	-	-	24.00
	142	5710	20.23	-	-	-	-	24.00
	151	5755	19.11	-	-	-	-	30.00
	159	5795	18.52	-	-	-	-	30.00

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11ac VHT20	36	5180	19.57	-	-	-	-	30.00
	40	5200	19.45	-	-	-	-	30.00
	48	5240	19.95	-	-	-	-	30.00
	52	5260	20.28	-	-	-	-	24.00
	56	5280	20.42	-	-	-	-	24.00
	64	5320	20.43	-	-	-	-	24.00
	100	5500	19.11	-	-	-	-	24.00
	112	5560	18.84	-	-	-	-	24.00
	140	5700	20.09	-	-	-	-	24.00
	144	5720	19.81	-	-	-	-	23.20
	149	5745	19.53	-	-	-	-	30.00
	157	5785	18.52	-	-	-	-	30.00
	165	5825	18.43	-	-	-	-	30.00
802.11ac VHT40	38	5190	19.56	-	-	-	-	30.00
	46	5230	19.92	-	-	-	-	30.00
	54	5270	20.53	-	-	-	-	24.00
	62	5310	20.83	-	-	-	-	24.00
	102	5510	19.25	-	-	-	-	24.00
	110	5550	19.07	-	-	-	-	24.00
	134	5670	20.40	-	-	-	-	24.00
	142	5710	20.35	-	-	-	-	24.00
	151	5755	19.33	-	-	-	-	30.00
	159	5795	18.73	-	-	-	-	30.00
802.11ac VHT80	42	5210	19.73	-	-	-	-	30.00
	58	5290	20.81	-	-	-	-	24.00
	106	5530	19.02	-	-	-	-	24.00
	122	5610	19.53	-	-	-	-	24.00
	138	5690	20.20	-	-	-	-	24.00
	155	5775	18.92	-	-	-	-	30.00
802.11ac VHT160	50	5250	19.51	-	-	-	-	24.00
	114	5570	18.16	-	-	-	-	24.00

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11ax HE20	36	5180	19.91	-	-	-	-	30.00
	40	5200	19.95	-	-	-	-	30.00
	48	5240	20.45	-	-	-	-	30.00
	52	5260	20.75	-	-	-	-	24.00
	56	5280	20.98	-	-	-	-	24.00
	64	5320	20.92	-	-	-	-	24.00
	100	5500	19.43	-	-	-	-	24.00
	112	5560	19.29	-	-	-	-	24.00
	140	5700	20.69	-	-	-	-	24.00
	144	5720	20.26	-	-	-	-	23.13
	149	5745	19.97	-	-	-	-	30.00
	157	5785	19.08	-	-	-	-	30.00
	165	5825	18.95	-	-	-	-	30.00
802.11ax HE40	38	5190	19.58	-	-	-	-	30.00
	46	5230	20.02	-	-	-	-	30.00
	54	5270	20.62	-	-	-	-	24.00
	62	5310	20.81	-	-	-	-	24.00
	102	5510	19.22	-	-	-	-	24.00
	110	5550	19.04	-	-	-	-	24.00
	134	5670	20.44	-	-	-	-	24.00
	142	5710	20.34	-	-	-	-	24.00
	151	5755	19.43	-	-	-	-	30.00
	159	5795	18.73	-	-	-	-	30.00
802.11ax HE80	42	5210	19.75	-	-	-	-	30.00
	58	5290	20.72	-	-	-	-	24.00
	106	5530	18.84	-	-	-	-	24.00
	122	5610	19.34	-	-	-	-	24.00
	138	5690	20.20	-	-	-	-	24.00
	155	5775	18.92	-	-	-	-	30.00
802.11ax HE160	50	5250	19.53	-	-	-	-	24.00
	114	5570	18.20	-	-	-	-	24.00

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11be EHT20	36	5180	20.09	-	-	-	-	30.00
	40	5200	20.12	-	-	-	-	30.00
	48	5240	20.61	-	-	-	-	30.00
	52	5260	20.92	-	-	-	-	24.00
	56	5280	21.11	-	-	-	-	24.00
	64	5320	21.03	-	-	-	-	24.00
	100	5500	19.71	-	-	-	-	24.00
	112	5560	19.55	-	-	-	-	24.00
	140	5700	20.83	-	-	-	-	24.00
	144	5720	20.51	-	-	-	-	23.13
	149	5745	20.02	-	-	-	-	30.00
	157	5785	19.20	-	-	-	-	30.00
	165	5825	19.03	-	-	-	-	30.00
802.11be EHT40	38	5190	19.75	-	-	-	-	30.00
	46	5230	20.11	-	-	-	-	30.00
	54	5270	20.70	-	-	-	-	24.00
	62	5310	20.91	-	-	-	-	24.00
	102	5510	19.31	-	-	-	-	24.00
	110	5550	19.10	-	-	-	-	24.00
	134	5670	20.48	-	-	-	-	24.00
	142	5710	20.46	-	-	-	-	24.00
	151	5755	19.51	-	-	-	-	30.00
	159	5795	18.75	-	-	-	-	30.00
802.11be EHT80	42	5210	19.97	-	-	-	-	30.00
	58	5290	20.99	-	-	-	-	24.00
	106	5530	19.41	-	-	-	-	24.00
	122	5610	19.80	-	-	-	-	24.00
	138	5690	20.77	-	-	-	-	24.00
	155	5775	19.13	-	-	-	-	30.00
802.11be EHT160	50	5250	19.67	-	-	-	-	24.00
	114	5570	18.48	-	-	-	-	24.00

26 dB & 99 % RF Bandwidth Measurement

Mode	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	17.216	-	-	-	22.680	-	-	-
	40	5200	17.159	-	-	-	22.870	-	-	-
	48	5240	17.202	-	-	-	22.890	-	-	-
	52	5260	17.198	-	-	-	22.770	-	-	-
	56	5280	17.228	-	-	-	22.770	-	-	-
	64	5320	17.254	-	-	-	22.680	-	-	-
	100	5500	17.234	-	-	-	22.830	-	-	-
	112	5560	17.175	-	-	-	22.670	-	-	-
	140	5700	17.188	-	-	-	22.720	-	-	-
	144	5720	13.599	-	-	-	16.260	-	-	-
802.11ac VHT20	36	5180	18.286	-	-	-	23.240	-	-	-
	40	5200	18.288	-	-	-	23.610	-	-	-
	48	5240	18.257	-	-	-	23.180	-	-	-
	52	5260	18.288	-	-	-	23.490	-	-	-
	56	5280	18.337	-	-	-	23.240	-	-	-
	64	5320	18.287	-	-	-	23.160	-	-	-
	100	5500	18.291	-	-	-	23.770	-	-	-
	112	5560	18.300	-	-	-	23.560	-	-	-
	140	5700	18.249	-	-	-	23.650	-	-	-
	144	5720	14.090	-	-	-	16.580	-	-	-
802.11ac VHT40	38	5190	37.179	-	-	-	46.170	-	-	-
	46	5230	37.098	-	-	-	46.120	-	-	-
	54	5270	37.127	-	-	-	46.770	-	-	-
	62	5310	37.175	-	-	-	46.140	-	-	-
	102	5510	37.223	-	-	-	46.960	-	-	-
	110	5550	37.206	-	-	-	46.140	-	-	-
	134	5670	37.130	-	-	-	45.930	-	-	-
	142	5710	33.434	-	-	-	38.390	-	-	-
802.11ac VHT80	42	5210	76.699	-	-	-	92.900	-	-	-
	58	5290	76.774	-	-	-	95.190	-	-	-
	106	5530	76.767	-	-	-	94.290	-	-	-
	122	5610	76.657	-	-	-	94.660	-	-	-
	138	5690	73.130	-	-	-	82.230	-	-	-
802.11ac VHT160	50	5250	76.763	-	-	-	87.490	-	-	-
	50	5250	76.685	-	-	-	87.140	-	-	-
	114	5570	155.930	-	-	-	175.300	-	-	-

26 dB & 99 % RF Bandwidth Measurement

Mode	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
802.11be EHT20	36	5180	19.205	-	-	-	23.210	-	-	-
	40	5200	19.200	-	-	-	22.960	-	-	-
	48	5240	19.198	-	-	-	23.240	-	-	-
	52	5260	19.217	-	-	-	23.360	-	-	-
	56	5280	19.204	-	-	-	23.090	-	-	-
	64	5320	19.207	-	-	-	22.900	-	-	-
	100	5500	19.246	-	-	-	23.070	-	-	-
	112	5560	19.197	-	-	-	22.980	-	-	-
	140	5700	19.178	-	-	-	23.490	-	-	-
	144	5720	14.540	-	-	-	16.330	-	-	-
802.11be EHT40	38	5190	38.222	-	-	-	44.660	-	-	-
	46	5230	38.255	-	-	-	44.460	-	-	-
	54	5270	38.258	-	-	-	45.250	-	-	-
	62	5310	38.303	-	-	-	45.020	-	-	-
	102	5510	38.264	-	-	-	44.900	-	-	-
	110	5550	38.263	-	-	-	44.510	-	-	-
	134	5670	38.219	-	-	-	45.290	-	-	-
	142	5710	33.907	-	-	-	37.530	-	-	-
802.11be EHT80	42	5210	78.025	-	-	-	90.890	-	-	-
	58	5290	77.948	-	-	-	91.020	-	-	-
	106	5530	78.220	-	-	-	91.790	-	-	-
	122	5610	78.144	-	-	-	89.620	-	-	-
	138	5690	73.707	-	-	-	81.540	-	-	-
802.11be EHT160	50	5250	77.920	-	-	-	84.900	-	-	-
	50	5250	78.015	-	-	-	86.190	-	-	-
	114	5570	157.330	-	-	-	172.800	-	-	-

Band III_6 dB & 99 % RF Bandwidth Measurement

Mode	CH	Freq. (MHz)	99 % Bandwidth				6 dB Bandwidth				6dB Limit
			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	4.650	-	-	-	3194	-	-	-	≥ 500 kHz
	149	5745	17.536	-	-	-	16380	-	-	-	
	157	5785	17.504	-	-	-	16400	-	-	-	
	165	5825	17.490	-	-	-	16370	-	-	-	
802.11ac VHT20	144	5720	4.708	-	-	-	3858	-	-	-	
	149	5745	18.504	-	-	-	17630	-	-	-	
	157	5785	18.535	-	-	-	17630	-	-	-	
	165	5825	18.483	-	-	-	17640	-	-	-	
802.11ac VHT40	142	5710	4.684	-	-	-	3187	-	-	-	
	151	5755	37.333	-	-	-	36380	-	-	-	
	159	5795	37.371	-	-	-	36380	-	-	-	
802.11ac VHT80	138	5690	8.229	-	-	-	3207	-	-	-	
	155	5775	76.359	-	-	-	76420	-	-	-	
802.11be EHT20	144	5720	4.728	-	-	-	4545	-	-	-	
	149	5745	19.339	-	-	-	19050	-	-	-	
	157	5785	19.324	-	-	-	19090	-	-	-	
	165	5825	19.314	-	-	-	19060	-	-	-	
802.11be EHT40	142	5710	4.512	-	-	-	4063	-	-	-	
	151	5755	38.447	-	-	-	38210	-	-	-	
	159	5795	38.468	-	-	-	38250	-	-	-	
802.11be EHT80	138	5690	6.799	-	-	-	4077	-	-	-	
	155	5775	77.870	-	-	-	78200	-	-	-	

Power Spectral Density Measurement

Mode	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	7.800	-	-	-	0.000	7.800	17.000
	40	5200	7.953	-	-	-	0.000	7.953	17.000
	48	5240	8.483	-	-	-	0.000	8.483	17.000
	52	5260	8.766	-	-	-	0.000	8.766	11.000
	56	5280	8.851	-	-	-	0.000	8.851	11.000
	64	5320	8.921	-	-	-	0.000	8.921	11.000
	100	5500	7.486	-	-	-	0.000	7.486	11.000
	112	5560	7.346	-	-	-	0.000	7.346	11.000
	140	5700	8.486	-	-	-	0.000	8.486	11.000
	144	5720	8.098	-	-	-	0.000	8.098	11.000
802.11ac VHT20	36	5180	7.430	-	-	-	0.079	7.509	17.000
	40	5200	7.591	-	-	-	0.079	7.670	17.000
	48	5240	8.186	-	-	-	0.079	8.265	17.000
	52	5260	8.459	-	-	-	0.079	8.538	11.000
	56	5280	8.668	-	-	-	0.079	8.747	11.000
	64	5320	8.669	-	-	-	0.079	8.748	11.000
	100	5500	7.200	-	-	-	0.079	7.279	11.000
	112	5560	7.103	-	-	-	0.079	7.182	11.000
	140	5700	8.321	-	-	-	0.079	8.400	11.000
	144	5720	7.805	-	-	-	0.079	7.884	11.000
802.11ac VHT40	38	5190	4.452	-	-	-	0.079	4.531	17.000
	46	5230	5.028	-	-	-	0.079	5.107	17.000
	54	5270	5.428	-	-	-	0.079	5.507	11.000
	62	5310	5.739	-	-	-	0.079	5.818	11.000
	102	5510	4.229	-	-	-	0.079	4.308	11.000
	110	5550	4.033	-	-	-	0.079	4.112	11.000
	134	5670	5.433	-	-	-	0.079	5.512	11.000
	142	5710	5.200	-	-	-	0.079	5.279	11.000
802.11ac VHT80	42	5210	1.636	-	-	-	0.032	1.668	17.000
	58	5290	2.395	-	-	-	0.032	2.427	11.000
	106	5530	0.666	-	-	-	0.032	0.698	11.000
	122	5610	1.220	-	-	-	0.032	1.252	11.000
	138	5690	1.981	-	-	-	0.032	2.013	11.000
802.11ac VHT160	50	5250	-1.706	-	-	-	0.047	-1.659	17.000
	50	5250	-1.563	-	-	-	0.047	-1.516	11.000
	114	5570	-3.157	-	-	-	0.047	-3.110	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	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11be EHT20	36	5180	7.491	-	-	-	0.032	7.523	17.000
	40	5200	7.399	-	-	-	0.032	7.431	17.000
	48	5240	7.993	-	-	-	0.032	8.025	17.000
	52	5260	8.370	-	-	-	0.032	8.402	11.000
	56	5280	8.363	-	-	-	0.032	8.395	11.000
	64	5320	8.513	-	-	-	0.032	8.545	11.000
	100	5500	7.328	-	-	-	0.032	7.360	11.000
	112	5560	7.111	-	-	-	0.032	7.143	11.000
	140	5700	8.358	-	-	-	0.032	8.390	11.000
	144	5720	8.077	-	-	-	0.032	8.109	11.000
802.11be EHT40	38	5190	4.198	-	-	-	0.078	4.276	17.000
	46	5230	4.965	-	-	-	0.078	5.043	17.000
	54	5270	5.236	-	-	-	0.078	5.314	11.000
	62	5310	5.555	-	-	-	0.078	5.633	11.000
	102	5510	4.030	-	-	-	0.078	4.108	11.000
	110	5550	3.995	-	-	-	0.078	4.073	11.000
	134	5670	4.877	-	-	-	0.078	4.955	11.000
	142	5710	4.871	-	-	-	0.078	4.949	11.000
802.11be EHT80	42	5210	1.652	-	-	-	0.063	1.715	17.000
	58	5290	2.385	-	-	-	0.063	2.448	11.000
	106	5530	0.995	-	-	-	0.063	1.058	11.000
	122	5610	1.219	-	-	-	0.063	1.282	11.000
	138	5690	2.150	-	-	-	0.063	2.213	11.000
802.11be EHT160	50	5250	-1.580	-	-	-	0.047	-1.533	17.000
	50	5250	-1.619	-	-	-	0.047	-1.572	11.000
	114	5570	-3.070	-	-	-	0.047	-3.023	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	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	dB	dBm/500 kHz	dBm/500 kHz	
802.11a	144	5720	-0.916	6.074	-	-	-	-	-	-	0.000	6.074	30.00	PASS
	149	5745	-0.889	6.101	-	-	-	-	-	-	0.000	6.101	30.00	PASS
	157	5785	-1.575	5.415	-	-	-	-	-	-	0.000	5.415	30.00	PASS
	165	5825	-1.802	5.188	-	-	-	-	-	-	0.000	5.188	30.00	PASS
802.11ac VHT20	144	5720	-1.348	5.642	-	-	-	-	-	-	0.079	5.721	30.00	PASS
	149	5745	-1.710	5.280	-	-	-	-	-	-	0.079	5.359	30.00	PASS
	157	5785	-2.356	4.634	-	-	-	-	-	-	0.079	4.713	30.00	PASS
	165	5825	-2.517	4.473	-	-	-	-	-	-	0.079	4.552	30.00	PASS
802.11ac VHT40	142	5710	-3.999	2.991	-	-	-	-	-	-	0.079	3.070	30.00	PASS
	151	5755	-4.801	2.189	-	-	-	-	-	-	0.079	2.268	30.00	PASS
	159	5795	-5.336	1.654	-	-	-	-	-	-	0.079	1.733	30.00	PASS
802.11ac VHT80	138	5690	-7.690	-0.700	-	-	-	-	-	-	0.032	-0.669	30.00	PASS
	155	5775	-8.550	-1.560	-	-	-	-	-	-	0.032	-1.529	30.00	PASS
802.11be EHT20	144	5720	-2.069	4.921	-	-	-	-	-	-	0.032	4.952	30.00	PASS
	149	5745	-2.147	4.843	-	-	-	-	-	-	0.032	4.874	30.00	PASS
	157	5785	-3.005	3.985	-	-	-	-	-	-	0.032	4.016	30.00	PASS
	165	5825	-3.120	3.870	-	-	-	-	-	-	0.032	3.901	30.00	PASS
802.11be EHT40	142	5710	-5.021	1.969	-	-	-	-	-	-	0.078	2.047	30.00	PASS
	151	5755	-5.779	1.211	-	-	-	-	-	-	0.078	1.289	30.00	PASS
	159	5795	-6.525	0.465	-	-	-	-	-	-	0.078	0.543	30.00	PASS
802.11be EHT80	138	5690	-8.023	-1.033	-	-	-	-	-	-	0.063	-0.971	30.00	PASS
	155	5775	-9.219	-2.229	-	-	-	-	-	-	0.078	-2.151	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)

3X3

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	30.000	30.000	100.000	0.000	0.010
802.11n HT20	5180	5.480	5.580	98.208	0.079	0.010
802.11n HT40	5190	5.480	5.560	98.561	0.063	0.010
802.11ac VHT20	5180	5.460	5.540	98.556	0.063	0.010
802.11ac VHT40	5190	5.480	5.580	98.208	0.079	0.010
802.11ac VHT80	5210	5.460	5.500	99.273	0.032	0.010
802.11ac VHT160	5250	5.460	5.520	98.913	0.047	0.010
802.11ax HE20	5180	5.500	5.600	98.214	0.078	0.010
802.11ax HE40	5190	5.480	5.600	97.857	0.094	0.182
802.11ax HE80	5210	5.480	5.580	98.208	0.079	0.010
802.11ax HE160	5250	5.480	5.540	98.917	0.047	0.010
802.11be EHT20	5180	5.500	5.620	97.865	0.094	0.182
802.11be EHT40	5190	5.500	5.600	98.214	0.078	0.010
802.11be EHT80	5210	5.500	5.580	98.566	0.063	0.010
802.11be EHT160	5250	5.480	5.540	98.917	0.047	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	19.5M
802.11n HT20	40	5200	19.5M
802.11n HT20	48	5240	19.5M
802.11n HT20	52	5260	19.5M
802.11n HT20	56	5280	19.5M
802.11n HT20	64	5320	19.5M
802.11n HT20	100	5500	19.5M
802.11n HT20	112	5560	19.5M
802.11n HT20	140	5700	19.5M
802.11n HT20	144	5720	19.5M
802.11n HT20	149	5745	19.5M
802.11n HT20	157	5785	19.5M
802.11n HT20	165	5825	19.5M
802.11n HT40	38	5190	40.5M
802.11n HT40	46	5230	40.5M
802.11n HT40	54	5270	40.5M
802.11n HT40	62	5310	40.5M
802.11n HT40	102	5510	40.5M
802.11n HT40	110	5550	40.5M
802.11n HT40	134	5670	40.5M
802.11n HT40	142	5710	40.5M
802.11n HT40	151	5755	40.5M
802.11n HT40	159	5795	40.5M

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
802.11be EHT20	36	5180	MCS 0
802.11be EHT20	40	5200	MCS 0
802.11be EHT20	48	5240	MCS 0
802.11be EHT20	52	5260	MCS 0
802.11be EHT20	56	5280	MCS 0
802.11be EHT20	64	5320	MCS 0
802.11be EHT20	100	5500	MCS 0
802.11be EHT20	112	5560	MCS 0
802.11be EHT20	140	5700	MCS 0
802.11be EHT20	144	5720	MCS 0
802.11be EHT20	149	5745	MCS 0
802.11be EHT20	157	5785	MCS 0
802.11be EHT20	165	5825	MCS 0
802.11be EHT40	38	5190	MCS 0
802.11be EHT40	46	5230	MCS 0
802.11be EHT40	54	5270	MCS 0
802.11be EHT40	62	5310	MCS 0
802.11be EHT40	102	5510	MCS 0
802.11be EHT40	110	5550	MCS 0
802.11be EHT40	134	5670	MCS 0
802.11be EHT40	142	5710	MCS 0
802.11be EHT40	151	5755	MCS 0
802.11be EHT40	159	5795	MCS 0
802.11be EHT80	42	5210	MCS 0
802.11be EHT80	58	5290	MCS 0
802.11be EHT80	106	5530	MCS 0
802.11be EHT80	122	5610	MCS 0
802.11be EHT80	138	5690	MCS 0
802.11be EHT80	155	5775	MCS 0
802.11be EHT160	50	5250	MCS 0
802.11be EHT160	114	5570	MCS 0

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	20	20	20	-	QSPR x86 6.00.00146.1
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	17	17	17	-	
	56	5280	17	17	17	-	
	64	5320	17.5	17.5	17.5	-	
	100	5500	18.5	18.5	18.5	-	
	112	5560	18	18	18	-	
	140	5700	18.5	18.5	18.5	-	
	144	5720	18	18	18	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11n HT20	36	5180	19	19	19	-	QSPR x86 6.00.00146.1
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	17	17	17	-	
	56	5280	17	17	17	-	
	64	5320	17.5	17.5	17.5	-	
	100	5500	18.5	18.5	18.5	-	
	112	5560	18.5	18.5	18.5	-	
	140	5700	18.5	18.5	18.5	-	
	144	5720	18	18	18	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11n HT40	38	5190	18	18	18	-	QSPR x86 6.00.00146.1
	46	5230	20	20	20	-	
	54	5270	18	18	18	-	
	62	5310	18	18	18	-	
	102	5510	18	18	18	-	
	110	5550	19	19	19	-	
	134	5670	19	19	19	-	
	142	5710	19.5	19.5	19.5	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	

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	19	19	19	-	QSPR x86 6.00.00146.1
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	17	17	17	-	
	56	5280	17	17	17	-	
	64	5320	17.5	17.5	17.5	-	
	100	5500	18.5	18.5	18.5	-	
	112	5560	18.5	18.5	18.5	-	
	140	5700	18.5	18.5	18.5	-	
	144	5720	18	18	18	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11ac VHT40	38	5190	18	18	18	-	QSPR x86 6.00.00146.1
	46	5230	20	20	20	-	
	54	5270	18	18	18	-	
	62	5310	18	18	18	-	
	102	5510	18	18	18	-	
	110	5550	19	19	19	-	
	134	5670	19	19	19	-	
	142	5710	19.5	19.5	19.5	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	
802.11ac VHT80	42	5210	20	20	20	-	QSPR x86 6.00.00146.1
	58	5290	18.5	18.5	18.5	-	
	106	5530	18	18	18	-	
	122	5610	19	19	19	-	
	138	5690	19.5	19.5	19.5	-	
	155	5775	20	20	20	-	
802.11ac VHT160	50	5250	18	18	18	-	QSPR x86 6.00.00146.1
	114	5570	18	18	18	-	

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	19	19	19	-	QSPR x86 6.00.00146.1
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	17	17	17	-	
	56	5280	17	17	17	-	
	64	5320	17.5	17.5	17.5	-	
	100	5500	18.5	18.5	18.5	-	
	112	5560	18.5	18.5	18.5	-	
	140	5700	18.5	18.5	18.5	-	
	144	5720	18	18	18	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11ax HE40	38	5190	18	18	18	-	QSPR x86 6.00.00146.1
	46	5230	20	20	20	-	
	54	5270	18	18	18	-	
	62	5310	18	18	18	-	
	102	5510	18	18	18	-	
	110	5550	19	19	19	-	
	134	5670	19	19	19	-	
	142	5710	19.5	19.5	19.5	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	
802.11ax HE80	42	5210	20	20	20	-	QSPR x86 6.00.00146.1
	58	5290	18.5	18.5	18.5	-	
	106	5530	18	18	18	-	
	122	5610	19	19	19	-	
	138	5690	19.5	19.5	19.5	-	
	155	5775	20	20	20	-	
802.11ax HE160	50	5250	18	18	18	-	QSPR x86 6.00.00146.1
	114	5570	18	18	18	-	

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11be EHT20	36	5180	19	19	19	-	QSPR x86 6.00.00146.1
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	17	17	17	-	
	56	5280	17	17	17	-	
	64	5320	17.5	17.5	17.5	-	
	100	5500	18.5	18.5	18.5	-	
	112	5560	18.5	18.5	18.5	-	
	140	5700	18.5	18.5	18.5	-	
	144	5720	18	18	18	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11be EHT40	38	5190	18	18	18	-	QSPR x86 6.00.00146.1
	46	5230	20	20	20	-	
	54	5270	18	18	18	-	
	62	5310	18	18	18	-	
	102	5510	18	18	18	-	
	110	5550	19	19	19	-	
	134	5670	19	19	19	-	
	142	5710	19.5	19.5	19.5	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	
802.11be EHT80	42	5210	20	20	20	-	QSPR x86 6.00.00146.1
	58	5290	18.5	18.5	18.5	-	
	106	5530	18	18	18	-	
	122	5610	19	19	19	-	
	138	5690	19.5	19.5	19.5	-	
	155	5775	20	20	20	-	
802.11be EHT160	50	5250	18	18	18	-	QSPR x86 6.00.00146.1
	114	5570	18	18	18	-	

Maximum Conducted Output Power Measurement

Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11a	36	5180	19.76	19.98	19.87	-	24.64	30.00
	40	5200	19.88	20.10	20.06	-	24.79	30.00
	48	5240	20.26	20.37	20.49	-	25.15	30.00
	52	5260	17.51	17.32	17.43	-	22.19	24.00
	56	5280	17.73	17.38	17.50	-	22.31	24.00
	64	5320	18.11	17.24	17.43	-	22.38	24.00
	100	5500	17.82	17.91	17.35	-	22.47	24.00
	112	5560	17.09	17.83	17.42	-	22.23	24.00
	140	5700	18.79	17.01	17.12	-	22.49	24.00
	144	5720	18.02	16.69	16.73	-	21.96	23.08
	149	5745	19.75	19.29	18.69	-	24.04	30.00
	157	5785	18.90	19.25	19.01	-	23.83	30.00
	165	5825	18.71	19.39	19.51	-	23.99	30.00
802.11n HT20	36	5180	18.73	19.08	18.99	-	23.71	30.00
	40	5200	20.08	20.28	20.03	-	24.90	30.00
	48	5240	20.52	20.64	20.41	-	25.30	30.00
	52	5260	17.70	17.59	17.55	-	22.39	24.00
	56	5280	17.94	17.62	17.55	-	22.48	24.00
	64	5320	18.39	17.47	17.77	-	22.66	24.00
	100	5500	17.96	18.04	17.60	-	22.64	24.00
	112	5560	17.81	18.52	18.09	-	22.92	24.00
	140	5700	19.10	17.40	17.35	-	22.80	24.00
	144	5720	18.37	16.93	17.02	-	22.26	23.19
	149	5745	19.88	19.31	19.58	-	24.37	30.00
	157	5785	19.06	19.59	19.14	-	24.04	30.00
	165	5825	19.00	19.64	19.77	-	24.25	30.00
802.11n HT40	38	5190	17.80	18.24	17.88	-	22.75	30.00
	46	5230	20.37	20.56	20.48	-	25.24	30.00
	54	5270	18.92	18.80	18.78	-	23.60	24.00
	62	5310	19.21	18.19	18.46	-	23.41	24.00
	102	5510	17.36	17.67	17.02	-	22.13	24.00
	110	5550	18.59	19.03	18.74	-	23.56	24.00
	134	5670	19.57	18.30	18.60	-	23.63	24.00
	142	5710	20.02	18.17	18.23	-	23.67	24.00
	151	5755	19.72	19.32	19.56	-	24.31	30.00
	159	5795	19.08	19.65	19.27	-	24.11	30.00

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11ac VHT20	36	5180	18.85	19.22	19.05	-	23.81	30.00
	40	5200	20.12	20.31	20.15	-	24.97	30.00
	48	5240	20.57	20.65	20.54	-	25.36	30.00
	52	5260	17.79	17.73	17.60	-	22.48	24.00
	56	5280	17.95	17.64	17.69	-	22.53	24.00
	64	5320	18.44	17.52	17.88	-	22.73	24.00
	100	5500	18.05	18.07	17.63	-	22.69	24.00
	112	5560	17.83	18.56	18.11	-	22.95	24.00
	140	5700	19.11	17.48	17.42	-	22.85	24.00
	144	5720	18.46	17.04	17.10	-	22.36	23.19
	149	5745	19.94	19.35	19.72	-	24.45	30.00
	157	5785	19.20	19.65	19.27	-	24.15	30.00
	165	5825	19.02	19.65	19.79	-	24.27	30.00
802.11ac VHT40	38	5190	17.85	18.37	17.95	-	22.83	30.00
	46	5230	20.51	20.58	20.55	-	25.32	30.00
	54	5270	19.05	18.85	18.88	-	23.70	24.00
	62	5310	19.22	18.32	18.60	-	23.50	24.00
	102	5510	17.48	17.80	17.09	-	22.24	24.00
	110	5550	18.61	19.16	18.75	-	23.62	24.00
	134	5670	19.68	18.37	18.67	-	23.71	24.00
	142	5710	20.03	18.19	18.26	-	23.68	24.00
	151	5755	19.80	19.35	19.61	-	24.36	30.00
	159	5795	19.10	19.75	19.39	-	24.19	30.00
802.11ac VHT80	42	5210	19.86	19.99	19.88	-	24.68	30.00
	58	5290	19.23	18.62	18.86	-	23.68	24.00
	106	5530	17.27	17.86	17.28	-	22.25	24.00
	122	5610	18.72	19.01	19.07	-	23.71	24.00
	138	5690	19.95	18.21	18.48	-	23.72	24.00
	155	5775	19.02	19.42	19.32	-	24.03	30.00
802.11ac VHT160	50	5250	18.50	18.53	18.62	-	23.32	24.00
	114	5570	17.34	17.97	17.85	-	22.50	24.00

Maximum Conducted Output Power Measurement

Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11ax HE20	36	5180	18.82	19.04	18.84	-	23.67	30.00
	40	5200	20.03	20.15	20.17	-	24.89	30.00
	48	5240	20.55	20.51	20.56	-	25.31	30.00
	52	5260	17.67	17.60	17.62	-	22.40	24.00
	56	5280	17.92	17.52	17.65	-	22.47	24.00
	64	5320	18.50	17.48	17.86	-	22.74	24.00
	100	5500	17.95	17.96	17.53	-	22.59	24.00
	112	5560	17.74	18.45	18.02	-	22.85	24.00
	140	5700	19.14	17.28	17.37	-	22.79	24.00
	144	5720	18.59	17.12	17.30	-	22.49	23.17
	149	5745	20.15	19.53	20.03	-	24.68	30.00
	157	5785	19.32	19.75	19.43	-	24.28	30.00
	165	5825	19.33	20.05	20.06	-	24.60	30.00
802.11ax HE40	38	5190	17.78	18.10	17.72	-	22.64	30.00
	46	5230	20.28	20.42	20.38	-	25.13	30.00
	54	5270	18.89	18.64	18.81	-	23.55	24.00
	62	5310	18.92	18.05	18.38	-	23.24	24.00
	102	5510	17.25	17.54	16.92	-	22.02	24.00
	110	5550	18.30	19.95	18.51	-	23.76	24.00
	134	5670	19.62	18.23	18.67	-	23.65	24.00
	142	5710	20.14	18.38	18.34	-	23.81	24.00
	151	5755	19.81	19.34	19.63	-	24.37	30.00
	159	5795	19.16	19.75	19.35	-	24.20	30.00
802.11ax HE80	42	5210	19.82	19.98	20.06	-	24.73	30.00
	58	5290	19.26	18.57	18.81	-	23.66	24.00
	106	5530	17.14	17.76	17.17	-	22.14	24.00
	122	5610	18.77	19.03	19.11	-	23.74	24.00
	138	5690	19.94	18.28	18.61	-	23.78	24.00
	155	5775	18.99	19.42	19.35	-	24.03	30.00
802.11ax HE160	50	5250	18.45	18.48	18.61	-	23.29	24.00
	114	5570	17.42	18.05	17.85	-	22.55	24.00

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11be EHT20	36	5180	19.37	19.69	19.28	-	24.22	30.00
	40	5200	20.53	20.75	20.38	-	25.33	30.00
	48	5240	21.02	21.18	20.69	-	25.74	30.00
	52	5260	18.05	17.98	17.70	-	22.68	24.00
	56	5280	18.26	18.00	17.64	-	22.75	24.00
	64	5320	18.85	17.73	17.51	-	22.84	24.00
	100	5500	18.31	18.48	18.00	-	23.04	24.00
	112	5560	18.22	19.12	18.54	-	23.41	24.00
	140	5700	19.55	17.80	17.70	-	23.21	24.00
	144	5720	18.71	17.36	17.15	-	22.57	23.17
	149	5745	20.40	19.76	20.15	-	24.88	30.00
	157	5785	19.61	19.96	19.65	-	24.51	30.00
	165	5825	19.42	20.11	20.25	-	24.71	30.00
802.11be EHT40	38	5190	18.19	18.55	18.13	-	23.07	30.00
	46	5230	20.75	20.72	20.77	-	25.52	30.00
	54	5270	19.20	18.86	19.01	-	23.80	24.00
	62	5310	19.45	18.56	18.86	-	23.74	24.00
	102	5510	17.77	18.04	17.42	-	22.52	24.00
	110	5550	18.80	19.36	18.95	-	23.81	24.00
	134	5670	19.80	18.31	18.78	-	23.78	24.00
	142	5710	20.10	18.50	18.55	-	23.89	24.00
	151	5755	20.09	19.67	20.01	-	24.70	30.00
	159	5795	19.35	19.92	19.65	-	24.42	30.00
802.11be EHT80	42	5210	19.91	20.07	19.95	-	24.75	30.00
	58	5290	19.41	18.82	18.96	-	23.84	24.00
	106	5530	17.38	17.92	17.34	-	22.33	24.00
	122	5610	18.90	19.06	19.26	-	23.85	24.00
	138	5690	20.03	18.32	18.63	-	23.83	24.00
	155	5775	19.21	19.61	19.36	-	24.17	30.00
802.11be EHT160	50	5250	18.55	18.60	18.63	-	23.36	24.00
	114	5570	17.44	18.19	17.92	-	22.63	24.00

26 dB & 99 % RF Bandwidth Measurement

Mode	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	17.223	17.126	17.072	-	22.660	22.470	22.390	-
	40	5200	17.227	17.134	17.030	-	22.800	22.550	22.330	-
	48	5240	17.222	17.148	17.088	-	23.460	22.450	22.310	-
	52	5260	17.237	17.157	17.047	-	22.920	22.490	22.350	-
	56	5280	17.226	17.138	17.047	-	23.290	22.530	22.400	-
	64	5320	17.198	17.153	17.046	-	23.420	23.010	22.390	-
	100	5500	17.204	17.158	17.079	-	22.920	22.510	22.370	-
	112	5560	17.200	17.161	17.051	-	23.340	22.610	22.360	-
	140	5700	17.220	17.151	17.085	-	22.810	22.670	22.370	-
	144	5720	13.617	13.578	13.550	-	16.180	16.200	16.150	-
802.11ac VHT20	36	5180	18.239	18.211	18.182	-	23.240	23.460	23.140	-
	40	5200	18.221	18.247	18.192	-	23.410	23.920	23.380	-
	48	5240	18.267	18.281	18.218	-	23.100	23.490	23.380	-
	52	5260	18.241	18.224	18.209	-	23.420	23.590	23.230	-
	56	5280	18.236	18.225	18.145	-	23.300	23.360	23.080	-
	64	5320	18.308	18.237	18.195	-	23.510	23.660	23.410	-
	100	5500	18.251	18.235	18.220	-	23.060	23.380	22.880	-
	112	5560	18.309	18.193	18.145	-	23.390	23.220	23.180	-
	140	5700	18.309	18.188	18.148	-	23.270	23.660	23.280	-
	144	5720	14.055	14.022	14.063	-	16.650	16.570	16.660	-
802.11ac VHT40	38	5190	37.124	37.026	36.934	-	46.020	45.490	45.350	-
	46	5230	37.152	37.024	36.964	-	46.340	46.160	45.640	-
	54	5270	37.084	36.978	36.917	-	47.000	46.740	45.860	-
	62	5310	37.147	37.064	36.938	-	46.000	46.300	44.730	-
	102	5510	37.145	37.013	36.988	-	46.560	46.290	46.020	-
	110	5550	37.170	37.023	36.994	-	46.230	46.340	45.510	-
	134	5670	37.090	37.098	36.929	-	46.330	46.040	45.820	-
	142	5710	33.445	33.320	33.283	-	38.550	37.820	38.050	-
802.11ac VHT80	42	5210	76.766	76.575	76.746	-	94.860	92.740	93.360	-
	58	5290	76.754	76.617	76.739	-	93.650	92.680	94.410	-
	106	5530	76.774	76.630	76.739	-	92.890	92.710	93.750	-
	122	5610	76.738	76.638	76.646	-	93.650	91.010	92.680	-
	138	5690	73.150	73.085	73.098	-	82.850	81.580	81.730	-
802.11ac VHT160	50	5250	76.700	76.666	76.764	-	86.660	86.310	88.640	-
	50	5250	76.662	76.621	76.466	-	86.480	87.690	86.970	-
	114	5570	155.790	155.710	155.660	-	174.500	173.300	172.800	-

26 dB & 99 % RF Bandwidth Measurement

Mode	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
802.11be EHT20	36	5180	19.186	19.201	19.189	-	23.200	23.730	23.710	-
	40	5200	19.241	19.223	19.213	-	23.110	23.840	23.440	-
	48	5240	19.246	19.184	19.248	-	23.530	22.890	23.480	-
	52	5260	19.250	19.210	19.218	-	22.980	23.480	23.610	-
	56	5280	19.222	19.212	19.211	-	23.160	23.910	23.990	-
	64	5320	19.240	19.193	19.234	-	23.650	23.270	23.850	-
	100	5500	19.210	19.203	19.233	-	23.060	23.670	23.770	-
	112	5560	19.216	19.212	19.240	-	23.120	23.920	23.860	-
	140	5700	19.172	19.174	19.198	-	23.370	23.110	23.370	-
	144	5720	14.540	14.519	14.552	-	16.500	16.720	16.690	-
802.11be EHT40	38	5190	38.197	38.194	38.252	-	44.940	44.410	44.490	-
	46	5230	38.250	38.297	38.244	-	45.100	44.470	44.300	-
	54	5270	38.337	38.242	38.257	-	44.390	44.020	44.890	-
	62	5310	38.235	38.185	38.237	-	44.730	45.170	44.430	-
	102	5510	38.206	38.234	38.232	-	45.050	44.700	44.670	-
	110	5550	38.274	38.266	38.175	-	45.170	44.640	45.110	-
	134	5670	38.211	38.303	38.285	-	45.020	44.970	44.510	-
	142	5710	33.983	33.889	33.912	-	37.100	37.170	36.940	-
802.11be EHT80	42	5210	78.052	78.019	78.055	-	91.790	92.570	92.310	-
	58	5290	77.916	77.947	78.031	-	91.820	90.220	91.860	-
	106	5530	78.094	78.101	77.986	-	91.040	90.790	91.210	-
	122	5610	77.988	78.139	77.929	-	90.300	89.990	92.090	-
	138	5690	73.726	73.736	73.753	-	81.410	81.380	79.570	-
802.11be EHT160	50	5250	78.041	77.900	78.011	-	84.500	85.990	84.640	-
	50	5250	77.940	77.980	77.890	-	86.590	85.990	86.880	-
	114	5570	157.340	157.220	157.010	-	175.000	170.400	173.300	-

Band III_6 dB & 99 % RF Bandwidth Measurement

Mode	CH	Freq. (MHz)	99 % Bandwidth				6 dB Bandwidth				6dB Limit
			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	4.668	4.568	4.547	-	3187	3188	3197	-	≥ 500 kHz
	149	5745	17.508	17.422	17.230	-	16400	16390	16380	-	
	157	5785	17.407	17.409	17.271	-	16380	16390	16390	-	
	165	5825	17.465	17.398	17.280	-	16370	16390	16390	-	
802.11ac VHT20	144	5720	4.752	4.706	4.679	-	3801	3811	3818	-	
	149	5745	18.566	18.449	18.425	-	17620	17620	17620	-	
	157	5785	18.495	18.452	18.363	-	17630	17630	17650	-	
	165	5825	18.473	18.477	18.423	-	17620	17630	17630	-	
802.11ac VHT40	142	5710	4.726	4.752	4.624	-	3173	3182	3174	-	
	151	5755	37.327	37.138	37.205	-	36390	36410	36360	-	
	159	5795	37.371	37.182	37.180	-	36390	36400	36410	-	
802.11ac VHT80	138	5690	8.170	8.140	8.093	-	3181	3167	3195	-	
	155	5775	76.426	76.374	76.352	-	76430	76430	76400	-	
802.11be EHT20	144	5720	4.730	4.732	4.777	-	4533	4540	4512	-	
	149	5745	19.371	19.353	19.288	-	19080	19080	19050	-	
	157	5785	19.300	19.340	19.289	-	19050	19100	19050	-	
	165	5825	19.277	19.326	19.352	-	19100	19100	19070	-	
802.11be EHT40	142	5710	4.518	4.520	4.452	-	4075	4162	4056	-	
	151	5755	38.505	38.497	38.368	-	38180	38220	38110	-	
	159	5795	38.483	38.357	38.473	-	38170	38270	38170	-	
802.11be EHT80	138	5690	6.519	6.686	6.728	-	4054	4033	4051	-	
	155	5775	77.874	77.745	77.850	-	78070	78150	78080	-	

Power Spectral Density Measurement

Mode	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	8.297	8.357	8.278	-	0.000	13.082	17.000
	40	5200	8.368	8.483	8.326	-	0.000	13.164	17.000
	48	5240	8.687	8.819	8.885	-	0.000	13.569	17.000
	52	5260	6.017	6.062	6.021	-	0.000	10.805	11.000
	56	5280	6.057	5.891	5.912	-	0.000	10.725	11.000
	64	5320	6.506	5.636	5.833	-	0.000	10.779	11.000
	100	5500	6.170	6.252	5.682	-	0.000	10.813	11.000
	112	5560	5.580	6.233	6.119	-	0.000	10.758	11.000
	140	5700	7.137	5.371	5.425	-	0.000	10.829	11.000
	144	5720	7.108	5.336	5.347	-	0.000	10.785	11.000
802.11ac VHT20	36	5180	6.848	7.347	6.968	-	0.063	11.894	17.000
	40	5200	8.062	8.414	7.953	-	0.063	12.982	17.000
	48	5240	8.551	8.899	8.702	-	0.063	13.554	17.000
	52	5260	5.869	5.861	5.654	-	0.063	10.630	11.000
	56	5280	6.130	5.591	5.630	-	0.063	10.625	11.000
	64	5320	6.234	5.362	5.868	-	0.063	10.670	11.000
	100	5500	6.031	5.908	5.464	-	0.063	10.642	11.000
	112	5560	5.516	6.339	6.006	-	0.063	10.801	11.000
	140	5700	6.997	5.352	5.379	-	0.063	10.814	11.000
	144	5720	6.724	5.317	5.360	-	0.063	10.685	11.000
802.11ac VHT40	38	5190	2.762	3.384	2.720	-	0.079	7.816	17.000
	46	5230	5.361	5.627	5.643	-	0.079	10.395	17.000
	54	5270	4.216	3.857	3.798	-	0.079	8.811	11.000
	62	5310	4.209	3.460	3.486	-	0.079	8.582	11.000
	102	5510	2.190	2.574	1.724	-	0.079	7.026	11.000
	110	5550	3.511	3.970	3.900	-	0.079	8.648	11.000
	134	5670	4.760	3.308	3.677	-	0.079	8.809	11.000
	142	5710	5.284	3.160	3.412	-	0.079	8.909	11.000
802.11ac VHT80	42	5210	1.718	1.888	1.981	-	0.032	6.667	17.000
	58	5290	1.073	0.899	1.067	-	0.032	5.817	11.000
	106	5530	-1.102	-0.442	-0.806	-	0.032	4.028	11.000
	122	5610	0.805	0.979	1.123	-	0.032	5.774	11.000
	138	5690	1.963	0.187	0.478	-	0.032	5.751	11.000
802.11ac VHT160	50	5250	-2.357	-2.383	-2.316	-	0.047	2.467	17.000
	50	5250	-2.226	-2.239	-2.323	-	0.047	2.556	11.000
	114	5570	-3.799	-2.788	-3.264	-	0.047	1.555	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	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11be EHT20	36	5180	6.968	7.175	6.757	-	0.094	11.835	17.000
	40	5200	7.917	8.105	8.106	-	0.094	12.909	17.000
	48	5240	8.470	8.608	8.332	-	0.094	13.336	17.000
	52	5260	5.755	5.727	5.742	-	0.094	10.606	11.000
	56	5280	5.928	5.538	5.661	-	0.094	10.577	11.000
	64	5320	6.230	5.497	6.053	-	0.094	10.803	11.000
	100	5500	5.952	5.890	5.571	-	0.094	10.672	11.000
	112	5560	5.546	6.184	5.704	-	0.094	10.685	11.000
	140	5700	6.755	5.172	5.513	-	0.094	10.733	11.000
	144	5720	6.566	5.244	5.268	-	0.094	10.603	11.000
802.11be EHT40	38	5190	2.613	2.805	2.514	-	0.078	7.495	17.000
	46	5230	5.108	4.987	5.177	-	0.078	9.941	17.000
	54	5270	3.678	3.397	3.557	-	0.078	8.395	11.000
	62	5310	3.876	3.016	3.485	-	0.078	8.323	11.000
	102	5510	2.009	2.206	1.670	-	0.078	6.817	11.000
	110	5550	3.103	3.672	3.225	-	0.078	8.190	11.000
	134	5670	4.333	3.137	3.408	-	0.078	8.506	11.000
	142	5710	4.688	3.163	3.168	-	0.078	8.584	11.000
802.11be EHT80	42	5210	1.663	1.893	2.056	-	0.063	6.708	17.000
	58	5290	1.257	0.925	1.109	-	0.063	5.933	11.000
	106	5530	-1.135	-0.566	-1.037	-	0.063	3.928	11.000
	122	5610	0.462	0.837	1.153	-	0.063	5.660	11.000
	138	5690	1.732	0.245	0.942	-	0.063	5.849	11.000
802.11be EHT160	50	5250	-2.542	-2.406	-2.471	-	0.047	2.346	17.000
	50	5250	-2.336	-2.330	-2.289	-	0.047	2.500	11.000
	114	5570	-3.866	-2.993	-3.167	-	0.047	1.493	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	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	dB	dBm/500 kHz	dBm/500 kHz	
802.11a	144	5720	-1.951	5.039	-3.000	3.990	-3.229	3.761	-	-	0.000	9.071	30.00	PASS
	149	5745	-1.062	5.928	-1.272	5.718	-1.008	5.982	-	-	0.000	10.648	30.00	PASS
	157	5785	-1.877	5.113	-1.265	5.725	-1.106	5.884	-	-	0.000	10.357	30.00	PASS
	165	5825	-1.983	5.007	-1.230	5.760	-1.022	5.968	-	-	0.000	10.368	30.00	PASS
802.11ac VHT20	144	5720	-2.017	4.973	-3.805	3.185	-3.822	3.168	-	-	0.063	8.695	30.00	PASS
	149	5745	-0.928	6.062	-1.884	5.106	-1.317	5.673	-	-	0.063	10.465	30.00	PASS
	157	5785	-1.900	5.090	-1.463	5.527	-1.724	5.266	-	-	0.063	10.132	30.00	PASS
	165	5825	-2.077	4.913	-1.258	5.732	-1.116	5.874	-	-	0.063	10.361	30.00	PASS
802.11ac VHT40	142	5710	-3.714	3.276	-4.948	2.042	-6.007	0.983	-	-	0.079	7.051	30.00	PASS
	151	5755	-4.101	2.889	-5.001	1.989	-4.371	2.619	-	-	0.079	7.365	30.00	PASS
	159	5795	-5.096	1.894	-4.486	2.504	-4.708	2.282	-	-	0.079	7.083	30.00	PASS
802.11ac VHT80	138	5690	-7.431	-0.441	-8.652	-1.662	-9.152	-2.162	-	-	0.032	3.442	30.00	PASS
	155	5775	-8.357	-1.367	-7.866	-0.876	-8.059	-1.069	-	-	0.032	3.703	30.00	PASS
802.11be EHT20	144	5720	-3.355	3.635	-4.812	2.178	-4.779	2.211	-	-	0.094	7.594	30.00	PASS
	149	5745	-2.375	4.615	-2.890	4.100	-2.518	4.472	-	-	0.094	9.266	30.00	PASS
	157	5785	-2.819	4.171	-2.817	4.173	-2.766	4.224	-	-	0.094	9.054	30.00	PASS
	165	5825	-3.109	3.881	-2.377	4.613	-2.177	4.813	-	-	0.094	9.318	30.00	PASS
802.11be EHT40	142	5710	-5.160	1.830	-6.780	0.210	-6.514	0.476	-	-	0.078	5.748	30.00	PASS
	151	5755	-5.648	1.342	-6.117	0.873	-5.761	1.229	-	-	0.078	6.002	30.00	PASS
	159	5795	-6.230	0.760	-5.674	1.316	-6.017	0.973	-	-	0.078	5.872	30.00	PASS
802.11be EHT80	138	5690	-8.295	-1.305	-9.573	-2.583	-9.869	-2.879	-	-	0.063	2.633	30.00	PASS
	155	5775	-8.952	-1.962	-8.485	-1.495	-8.799	-1.809	-	-	0.078	3.098	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)

Beamforming on

Duty cycle

Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11ac VHT20	5180	1.755	1.845	95.122	0.217	0.570
802.11ac VHT40	5190	1.960	2.045	95.844	0.184	0.510
802.11ac VHT80	5210	1.940	2.030	95.567	0.197	0.515
802.11ac VHT160	5250	1.470	1.570	93.631	0.286	0.680
802.11ax HE20	5180	1.800	1.883	95.592	0.196	0.556
802.11ax HE40	5190	1.800	1.883	95.592	0.196	0.556
802.11ax HE80	5210	1.861	1.951	95.387	0.205	0.537
802.11ax HE160	5250	1.477	1.559	94.740	0.235	0.677
802.11be EHT20	5180	1.992	2.076	95.954	0.179	0.502
802.11be EHT40	5190	2.011	2.087	96.358	0.161	0.497
802.11be EHT80	5210	1.680	1.765	95.184	0.214	0.595
802.11be EHT160	5250	1.484	1.567	94.703	0.236	0.674

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
802.11be EHT20	36	5180	MCS 0
802.11be EHT20	40	5200	MCS 0
802.11be EHT20	48	5240	MCS 0
802.11be EHT20	52	5260	MCS 0
802.11be EHT20	56	5280	MCS 0
802.11be EHT20	64	5320	MCS 0
802.11be EHT20	100	5500	MCS 0
802.11be EHT20	112	5560	MCS 0
802.11be EHT20	140	5700	MCS 0
802.11be EHT20	144	5720	MCS 0
802.11be EHT20	149	5745	MCS 0
802.11be EHT20	157	5785	MCS 0
802.11be EHT20	165	5825	MCS 0
802.11be EHT40	38	5190	MCS 0
802.11be EHT40	46	5230	MCS 0
802.11be EHT40	54	5270	MCS 0
802.11be EHT40	62	5310	MCS 0
802.11be EHT40	102	5510	MCS 0
802.11be EHT40	110	5550	MCS 0
802.11be EHT40	134	5670	MCS 0
802.11be EHT40	142	5710	MCS 0
802.11be EHT40	151	5755	MCS 0
802.11be EHT40	159	5795	MCS 0
802.11be EHT80	42	5210	MCS 0
802.11be EHT80	58	5290	MCS 0
802.11be EHT80	106	5530	MCS 0
802.11be EHT80	122	5610	MCS 0
802.11be EHT80	138	5690	MCS 0
802.11be EHT80	155	5775	MCS 0
802.11be EHT160	50	5250	MCS 0
802.11be EHT160	114	5570	MCS 0

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	20	20	20	-	Putty
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	20	20	20	-	
	56	5280	20	20	20	-	
	64	5320	20	20	20	-	
	100	5500	20	20	20	-	
	112	5560	20	20	20	-	
	140	5700	20	20	20	-	
	144	5720	20	20	20	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11ac VHT40	38	5190	20	20	20	-	Putty
	46	5230	20	20	20	-	
	54	5270	20	20	20	-	
	62	5310	20	20	20	-	
	102	5510	20	20	20	-	
	110	5550	20	20	20	-	
	134	5670	20	20	20	-	
	142	5710	20	20	20	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	
802.11ac VHT80	42	5210	20	20	20	-	Putty
	58	5290	20	20	20	-	
	106	5530	20	20	20	-	
	122	5610	20	20	20	-	
	138	5690	20	20	20	-	
	155	5775	20	20	20	-	
802.11ac VHT160	50	5250	19	19	19	-	Putty
	114	5570	19	19	19	-	

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	20	20	20	-	Putty
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	20	20	20	-	
	56	5280	20	20	20	-	
	64	5320	20	20	20	-	
	100	5500	20	20	20	-	
	112	5560	20	20	20	-	
	140	5700	20	20	20	-	
	144	5720	20	20	20	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11ax HE40	38	5190	20	20	20	-	Putty
	46	5230	20	20	20	-	
	54	5270	20	20	20	-	
	62	5310	20	20	20	-	
	102	5510	20	20	20	-	
	110	5550	20	20	20	-	
	134	5670	20	20	20	-	
	142	5710	20	20	20	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	
802.11ax HE80	42	5210	20	20	20	-	Putty
	58	5290	20	20	20	-	
	106	5530	20	20	20	-	
	122	5610	20	20	20	-	
	138	5690	20	20	20	-	
	155	5775	20	20	20	-	
802.11ax HE160	50	5250	19	19	19	-	Putty
	114	5570	19	19	19	-	

RF power setting in Test SW

Mode	CH	Frequency (MHz)	Ant-0	Ant-1	Ant-2	Ant-3	Test SW Version
802.11be EHT20	36	5180	20	20	20	-	Putty
	40	5200	20	20	20	-	
	48	5240	20	20	20	-	
	52	5260	20	20	20	-	
	56	5280	20	20	20	-	
	64	5320	20	20	20	-	
	100	5500	20	20	20	-	
	112	5560	20	20	20	-	
	140	5700	20	20	20	-	
	144	5720	20	20	20	-	
	149	5745	20	20	20	-	
	157	5785	20	20	20	-	
	165	5825	20	20	20	-	
802.11be EHT40	38	5190	20	20	20	-	Putty
	46	5230	20	20	20	-	
	54	5270	20	20	20	-	
	62	5310	20	20	20	-	
	102	5510	20	20	20	-	
	110	5550	20	20	20	-	
	134	5670	20	20	20	-	
	142	5710	20	20	20	-	
	151	5755	20	20	20	-	
	159	5795	20	20	20	-	
802.11be EHT80	42	5210	20	20	20	-	Putty
	58	5290	20	20	20	-	
	106	5530	20	20	20	-	
	122	5610	20	20	20	-	
	138	5690	20	20	20	-	
	155	5775	20	20	20	-	
802.11be EHT160	50	5250	19	19	19	-	Putty
	114	5570	19	19	19	-	

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11ac VHT20	36	5180	15.35	15.23	15.19	-	20.03	29.19
	40	5200	15.48	15.46	15.26	-	20.17	29.19
	48	5240	15.86	15.62	15.76	-	20.52	29.19
	52	5260	16.02	15.68	15.26	-	20.44	22.89
	56	5280	16.35	15.60	15.15	-	20.50	22.89
	64	5320	16.31	15.26	14.97	-	20.32	22.89
	100	5500	15.03	14.83	14.59	-	19.59	22.27
	112	5560	14.82	15.31	14.75	-	19.74	22.27
	140	5700	16.02	14.08	13.86	-	19.54	22.27
	144	5720	15.60	14.29	14.02	-	19.46	21.36
	149	5745	15.21	14.64	15.02	-	19.73	28.80
	157	5785	14.37	14.76	14.74	-	19.40	28.80
	165	5825	14.62	14.90	14.51	-	19.45	28.80
802.11ac VHT40	38	5190	15.33	15.32	15.13	-	20.03	29.19
	46	5230	15.76	15.53	15.29	-	20.30	29.19
	54	5270	16.24	15.75	15.29	-	20.55	22.89
	62	5310	16.47	15.52	15.17	-	20.53	22.89
	102	5510	14.99	14.72	14.70	-	19.58	22.27
	110	5550	14.71	15.05	14.95	-	19.68	22.27
	134	5670	16.00	14.33	14.07	-	19.66	22.27
	142	5710	15.77	14.22	13.83	-	19.46	22.27
	151	5755	15.17	14.63	15.08	-	19.74	28.80
	159	5795	14.27	14.79	14.71	-	19.37	28.80
802.11ac VHT80	42	5210	15.59	15.29	15.35	-	20.18	29.19
	58	5290	16.35	15.58	15.41	-	20.57	22.89
	106	5530	14.78	14.90	14.78	-	19.59	22.27
	122	5610	15.37	15.41	15.05	-	20.05	22.27
	138	5690	16.05	14.21	13.99	-	19.62	22.27
	155	5775	14.59	14.90	14.62	-	19.48	28.80
802.11ac VHT160	50	5250	15.15	14.73	14.50	-	19.57	22.89
	114	5570	13.92	14.33	13.87	-	18.82	22.27

Maximum Conducted Output Power Measurement								
Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11ax HE20	36	5180	14.70	14.54	14.43	-	19.33	29.19
	40	5200	14.75	14.83	14.13	-	19.35	29.19
	48	5240	15.15	14.83	14.42	-	19.58	29.19
	52	5260	15.52	15.01	14.48	-	19.80	22.89
	56	5280	15.66	14.86	14.43	-	19.78	22.89
	64	5320	15.68	14.42	14.11	-	19.56	22.89
	100	5500	14.12	13.71	13.60	-	18.59	22.27
	112	5560	13.94	14.33	13.86	-	18.82	22.27
	140	5700	14.95	13.09	12.74	-	18.48	22.27
	144	5720	14.66	13.13	13.01	-	18.44	21.29
	149	5745	14.25	13.53	13.90	-	18.67	28.80
	157	5785	13.05	13.34	13.28	-	18.00	28.80
	165	5825	13.23	13.51	13.05	-	18.04	28.80
802.11ax HE40	38	5190	15.33	15.24	14.92	-	19.94	29.19
	46	5230	16.01	15.44	15.05	-	20.29	29.19
	54	5270	16.26	15.63	15.21	-	20.49	22.89
	62	5310	16.40	15.48	15.15	-	20.48	22.89
	102	5510	15.03	14.62	14.60	-	19.53	22.27
	110	5550	14.71	14.96	14.85	-	19.61	22.27
	134	5670	16.07	14.30	14.09	-	19.69	22.27
	142	5710	16.02	14.10	13.90	-	19.55	22.27
	151	5755	15.11	14.68	14.96	-	19.69	28.80
	159	5795	14.28	14.71	14.58	-	19.30	28.80
802.11ax HE80	42	5210	15.69	15.51	15.18	-	20.24	29.19
	58	5290	16.30	15.49	15.92	-	20.69	22.89
	106	5530	14.79	14.88	14.72	-	19.57	22.27
	122	5610	15.21	15.30	15.69	-	20.18	22.27
	138	5690	15.87	14.08	14.63	-	19.70	22.27
	155	5775	14.52	14.83	14.61	-	19.43	28.80
802.11ax HE160	50	5250	15.16	14.78	14.87	-	19.71	22.89
	114	5570	13.89	14.19	14.12	-	18.84	22.27

Maximum Conducted Output Power Measurement

Mode	CH	Frequency (MHz)	Average power					Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Total	
			dBm	dBm	dBm	dBm	dBm	dBm
802.11be EHT20	36	5180	15.34	15.37	15.24	-	20.09	29.19
	40	5200	15.55	15.58	15.10	-	20.19	29.19
	48	5240	15.93	15.74	15.98	-	20.66	29.19
	52	5260	16.22	15.83	15.34	-	20.58	22.89
	56	5280	16.45	15.77	15.19	-	20.61	22.89
	64	5320	16.54	15.39	15.04	-	20.48	22.89
	100	5500	15.21	14.76	14.78	-	19.69	22.27
	112	5560	14.89	15.32	15.00	-	19.85	22.27
	140	5700	16.05	14.18	13.81	-	19.57	22.27
	144	5720	15.75	14.30	14.02	-	19.53	21.29
	149	5745	15.41	14.75	15.14	-	19.88	28.80
	157	5785	14.49	14.84	14.79	-	19.48	28.80
	165	5825	14.69	15.10	14.66	-	19.59	28.80
802.11be EHT40	38	5190	15.53	15.63	15.49	-	20.32	29.19
	46	5230	16.09	15.71	15.76	-	20.63	29.19
	54	5270	16.32	15.81	16.05	-	20.84	22.89
	62	5310	16.52	15.60	16.16	-	20.88	22.89
	102	5510	15.11	14.77	14.75	-	19.65	22.27
	110	5550	14.88	15.19	15.20	-	19.86	22.27
	134	5670	16.12	14.48	15.39	-	20.15	22.27
	142	5710	16.11	14.21	14.58	-	19.82	22.27
	151	5755	15.23	14.72	15.02	-	19.77	28.80
	159	5795	14.36	14.92	14.81	-	19.47	28.80
802.11be EHT80	42	5210	15.65	15.41	15.47	-	20.28	29.19
	58	5290	16.35	15.57	16.01	-	20.76	22.89
	106	5530	14.85	14.98	14.81	-	19.65	22.27
	122	5610	15.30	15.37	15.78	-	20.26	22.27
	138	5690	15.98	14.18	14.67	-	19.78	22.27
	155	5775	14.61	14.95	14.70	-	19.53	28.80
802.11be EHT160	50	5250	15.22	14.82	14.93	-	19.76	22.89
	114	5570	13.99	14.27	14.26	-	18.95	22.27

26 dB & 99 % RF Bandwidth Measurement

Mode	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
802.11ac VHT20	36	5180	18.191	18.195	18.089	-	22.980	22.780	22.690	-
	40	5200	18.180	18.201	18.115	-	23.010	23.050	22.270	-
	48	5240	18.181	18.206	18.078	-	23.180	23.130	22.390	-
	52	5260	18.112	18.192	18.075	-	22.910	23.000	22.330	-
	56	5280	18.191	18.187	18.093	-	22.660	22.920	22.740	-
	64	5320	18.168	18.174	18.124	-	22.890	22.930	22.510	-
	100	5500	18.163	18.184	18.106	-	22.770	23.170	22.830	-
	112	5560	18.181	18.210	18.084	-	23.110	22.900	22.710	-
	140	5700	18.212	18.194	18.116	-	23.220	22.800	22.590	-
	144	5720	14.047	14.016	14.027	-	16.440	16.180	16.190	-
802.11ac VHT40	38	5190	36.958	36.955	36.939	-	45.570	44.890	43.420	-
	46	5230	36.993	37.018	36.971	-	45.050	45.670	43.410	-
	54	5270	36.948	36.909	36.905	-	44.520	44.500	44.600	-
	62	5310	36.957	36.923	36.874	-	44.920	44.810	43.790	-
	102	5510	36.954	37.024	36.949	-	45.500	46.050	43.890	-
	110	5550	37.296	37.241	37.276	-	43.900	44.980	43.830	-
	134	5670	37.026	36.952	37.009	-	45.370	45.400	44.230	-
	142	5710	33.282	33.246	33.289	-	37.430	36.900	36.490	-
802.11ac VHT80	42	5210	76.970	76.658	77.027	-	86.050	89.530	85.430	-
	58	5290	76.825	76.745	76.569	-	89.560	89.470	86.900	-
	106	5530	76.649	76.769	76.618	-	85.700	89.910	84.460	-
	122	5610	76.730	76.653	76.573	-	86.590	87.850	85.570	-
	138	5690	73.124	73.165	73.104	-	80.810	78.240	78.620	-
802.11ac VHT160	50	5250	76.595	76.760	76.786	-	81.600	81.700	82.230	-
	50	5250	76.712	77.113	76.732	-	88.040	88.580	86.640	-
	114	5570	156.310	156.160	156.150	-	164.900	168.000	163.900	-

26 dB & 99 % RF Bandwidth Measurement

Mode	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
802.11be EHT20	36	5180	19.233	19.183	19.187	-	22.300	22.500	22.820	-
	40	5200	19.201	19.201	19.219	-	22.590	22.830	22.310	-
	48	5240	19.195	19.179	19.208	-	22.310	22.050	22.110	-
	52	5260	19.241	19.206	19.213	-	23.150	22.780	22.630	-
	56	5280	19.249	19.180	19.268	-	23.320	22.030	22.450	-
	64	5320	19.213	19.228	19.183	-	22.850	22.630	22.560	-
	100	5500	19.230	19.283	19.245	-	22.510	22.260	22.530	-
	112	5560	19.244	19.248	19.206	-	22.750	22.270	22.360	-
	140	5700	19.183	19.193	19.154	-	22.350	22.460	22.090	-
	144	5720	14.596	14.574	14.566	-	16.300	15.930	16.000	-
802.11be EHT40	38	5190	38.388	38.227	38.103	-	44.540	44.790	44.020	-
	46	5230	38.275	38.347	38.173	-	44.950	43.970	44.560	-
	54	5270	38.392	38.252	38.181	-	44.090	43.840	43.920	-
	62	5310	38.244	38.201	38.221	-	44.500	43.650	43.810	-
	102	5510	38.144	38.177	38.146	-	44.830	44.610	44.320	-
	110	5550	38.213	38.227	38.473	-	44.320	44.160	43.380	-
	134	5670	38.197	38.166	38.215	-	44.420	44.110	43.700	-
	142	5710	33.931	33.915	33.933	-	37.020	36.990	37.400	-
802.11be EHT80	42	5210	77.945	77.817	77.782	-	86.390	86.440	86.180	-
	58	5290	77.687	77.787	77.810	-	86.130	87.640	84.750	-
	106	5530	77.900	77.774	77.847	-	87.400	85.420	86.280	-
	122	5610	77.825	77.867	77.670	-	86.080	86.120	86.480	-
	138	5690	73.792	73.811	73.778	-	79.690	78.670	78.300	-
802.11be EHT160	50	5250	77.564	77.308	77.438	-	81.690	81.800	82.330	-
	50	5250	77.872	77.940	77.900	-	84.970	85.240	86.060	-
	114	5570	157.060	157.020	157.000	-	167.300	166.300	165.500	-

Band III_6 dB & 99 % RF Bandwidth Measurement

Mode	CH	Freq. (MHz)	99 % Bandwidth				6 dB Bandwidth				6dB Limit
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3	
			MHz	MHz	MHz	MHz	kHz	kHz	kHz	kHz	
802.11ac VHT20	144	5720	4.362	4.450	4.324	-	3809	3809	3812	-	≥ 500 kHz
	149	5745	18.392	18.416	18.271	-	17640	17630	17640	-	
	157	5785	18.347	18.385	18.224	-	17650	17630	17660	-	
	165	5825	18.233	18.413	18.246	-	17660	17630	17650	-	
802.11ac VHT40	142	5710	4.251	4.440	4.434	-	3257	3257	2549	-	
	151	5755	37.271	37.241	37.135	-	35640	36510	36020	-	
	159	5795	37.292	37.262	37.197	-	36130	36140	36170	-	
802.11ac VHT80	138	5690	6.012	6.139	5.626	-	3247	3230	3237	-	
	155	5775	76.262	76.455	76.314	-	75730	76510	72500	-	
802.11be EHT20	144	5720	4.702	4.661	4.687	-	4542	4508	4510	-	
	149	5745	19.303	19.281	19.310	-	19010	19000	18990	-	
	157	5785	19.340	19.270	19.314	-	19030	19030	19010	-	
	165	5825	19.339	19.304	19.325	-	19010	19000	19040	-	
802.11be EHT40	142	5710	4.364	4.432	4.305	-	4144	4164	4090	-	
	151	5755	38.435	38.341	38.361	-	37080	37930	37460	-	
	159	5795	38.391	38.455	38.467	-	38230	37690	38580	-	
802.11be EHT80	138	5690	4.580	4.692	4.474	-	3508	3838	3319	-	
	155	5775	77.624	77.640	77.526	-	73840	75130	75030	-	

Power Spectral Density Measurement

Mode	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	
802.11ac VHT20	36	5180	3.036	3.000	3.003	-	0.217	8.001	16.190
	40	5200	3.199	3.168	3.020	-	0.217	8.118	16.190
	48	5240	3.627	3.391	3.601	-	0.217	8.529	16.190
	52	5260	3.948	3.558	3.068	-	0.217	8.528	9.890
	56	5280	4.067	3.329	2.948	-	0.217	8.462	9.890
	64	5320	4.190	3.000	2.797	-	0.217	8.362	9.890
	100	5500	2.730	2.247	2.056	-	0.217	7.342	9.270
	112	5560	2.525	2.929	2.700	-	0.217	7.710	9.270
	140	5700	3.785	1.767	1.402	-	0.217	7.438	9.270
	144	5720	3.232	1.711	1.610	-	0.217	7.238	9.270
802.11ac VHT40	38	5190	-0.055	0.153	-0.139	-	0.184	4.944	16.190
	46	5230	0.771	0.271	0.209	-	0.184	5.380	16.190
	54	5270	1.009	0.424	0.010	-	0.184	5.456	9.890
	62	5310	1.445	0.322	0.019	-	0.184	5.595	9.890
	102	5510	-0.397	-0.706	-0.874	-	0.184	4.301	9.270
	110	5550	-0.323	-0.177	-0.347	-	0.184	4.674	9.270
	134	5670	0.799	-0.915	-1.367	-	0.184	4.565	9.270
	142	5710	0.694	-1.193	-1.500	-	0.184	4.402	9.270
802.11ac VHT80	42	5210	-3.085	-2.981	-3.236	-	0.197	1.869	16.190
	58	5290	-2.301	-2.999	-3.209	-	0.197	2.149	9.890
	106	5530	-3.769	-3.882	-3.846	-	0.197	1.136	9.270
	122	5610	-3.042	-2.848	-3.101	-	0.197	1.973	9.270
	138	5690	-2.625	-4.085	-4.573	-	0.197	1.288	9.270
802.11ac VHT160	50	5250	-7.216	-7.337	-7.580	-	0.286	-2.318	16.190
	50	5250	-7.349	-7.350	-7.677	-	0.286	-2.399	9.890
	114	5570	-8.465	-8.322	-8.328	-	0.286	-3.314	9.270

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	Ant-1	Ant-2	Ant-3		Total	
			dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz		dBm/MHz	
802.11be EHT20	36	5180	3.228	3.087	2.782	-	0.179	7.987	16.190
	40	5200	3.153	3.542	2.801	-	0.179	8.126	16.190
	48	5240	3.743	3.753	3.152	-	0.179	8.509	16.190
	52	5260	4.103	3.550	3.196	-	0.179	8.583	9.890
	56	5280	4.189	3.575	3.037	-	0.179	8.576	9.890
	64	5320	4.229	3.086	2.672	-	0.179	8.331	9.890
	100	5500	2.734	2.203	2.340	-	0.179	7.382	9.270
	112	5560	2.521	3.116	2.750	-	0.179	7.753	9.270
	140	5700	3.821	1.860	1.486	-	0.179	7.465	9.270
	144	5720	3.404	2.069	1.518	-	0.179	7.355	9.270
802.11be EHT40	38	5190	-0.278	-0.107	-0.239	-	0.161	4.725	16.190
	46	5230	0.320	-0.030	0.109	-	0.161	5.068	16.190
	54	5270	0.653	0.317	0.249	-	0.161	5.342	9.890
	62	5310	0.936	-0.085	0.770	-	0.161	5.495	9.890
	102	5510	-0.430	-0.861	-0.809	-	0.161	4.237	9.270
	110	5550	-0.833	-0.467	-0.387	-	0.161	4.374	9.270
	134	5670	0.520	-1.188	-0.400	-	0.161	4.633	9.270
	142	5710	0.627	-1.280	-1.016	-	0.161	4.461	9.270
802.11be EHT80	42	5210	-2.712	-2.459	-2.632	-	0.214	2.386	16.190
	58	5290	-2.091	-2.509	-2.026	-	0.214	2.782	9.890
	106	5530	-3.982	-3.554	-3.782	-	0.214	1.216	9.270
	122	5610	-3.027	-2.822	-2.831	-	0.214	2.093	9.270
	138	5690	-2.257	-4.208	-3.785	-	0.214	1.652	9.270
802.11be EHT160	50	5250	-6.030	-7.285	-6.915	-	0.236	-1.703	16.190
	50	5250	-7.313	-7.319	-7.276	-	0.236	-2.295	9.890
	114	5570	-8.670	-8.218	-8.253	-	0.236	-3.368	9.270

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	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	dB	dBm/500 kHz	dBm/500 kHz	
802.11ac VHT20	144	5720	-5.932	1.058	-7.647	-0.657	-7.568	-0.578	-	-	0.217	5.004	28.80	PASS
	149	5745	-5.935	1.055	-6.865	0.125	-6.403	0.587	-	-	0.217	5.594	28.80	PASS
	157	5785	-7.156	-0.166	-6.683	0.307	-7.052	-0.062	-	-	0.217	5.019	28.80	PASS
	165	5825	-6.782	0.208	-6.869	0.121	-6.950	0.040	-	-	0.217	5.112	28.80	PASS
802.11ac VHT40	142	5710	-9.095	-2.105	-10.072	-3.082	-10.836	-3.846	-	-	0.184	2.003	28.80	PASS
	151	5755	-9.687	-2.697	-10.231	-3.241	-9.381	-2.391	-	-	0.184	2.193	28.80	PASS
	159	5795	-10.322	-3.332	-9.849	-2.859	-9.937	-2.947	-	-	0.184	1.914	28.80	PASS
802.11ac VHT80	138	5690	-12.676	-5.686	-14.036	-7.046	-14.198	-7.208	-	-	0.197	-1.623	28.80	PASS
	155	5775	-13.338	-6.348	-13.387	-6.397	-13.258	-6.268	-	-	0.197	-1.369	28.80	PASS
802.11be EHT20	144	5720	-6.730	0.260	-7.812	-0.822	-8.218	-1.228	-	-	0.179	4.400	28.80	PASS
	149	5745	-7.007	-0.017	-7.696	-0.706	-7.207	-0.217	-	-	0.179	4.646	28.80	PASS
	157	5785	-7.424	-0.434	-7.376	-0.386	-7.485	-0.495	-	-	0.179	4.512	28.80	PASS
	165	5825	-7.469	-0.479	-6.886	0.104	-7.404	-0.414	-	-	0.179	4.695	28.80	PASS
802.11be EHT40	142	5710	-9.580	-2.590	-11.171	-4.181	-11.007	-4.017	-	-	0.161	1.397	28.80	PASS
	151	5755	-10.176	-3.186	-10.563	-3.573	-10.343	-3.353	-	-	0.161	1.564	28.80	PASS
	159	5795	-11.209	-4.219	-10.595	-3.605	-10.597	-3.607	-	-	0.161	1.131	28.80	PASS
802.11be EHT80	138	5690	-12.749	-5.759	-12.826	-5.836	-13.870	-6.880	-	-	0.214	-1.144	28.80	PASS
	155	5775	-13.737	-6.747	-13.276	-6.286	-13.407	-6.417	-	-	0.161	-1.547	28.80	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)