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Testing Appendix

Appendix D. Maximum Target Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.



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Testing Appendix

Conducted Power (Full) WLAN2.4GHz Ant Aux					
Mode	Channel	Frequency	Tone	Worst RU	MAX Tone up Power(dBm) (Include tolerance)
802.11b	1	2412			19.00
	6	2437			19.00
	11	2462			19.00
	12	2467			19.00
	13	2472			19.00
	1	2412			18.00
802.11g	6	2437			19.00
	11	2462			17.75
	12	2467			18.50
	13	2472			18.50
	1	2412			18.00
	6	2437			19.00
802.11n HT20	11	2462			18.50
	12	2467			18.50
	13	2472			18.50
	1	2412			18.50
	6	2437			19.00
	11	2462			17.25
802.11n HT40	9	2457			18.50
	10	2467			18.00
	11	2462			18.50
	1	2412			17.00
	6	2437			18.00
	11	2462	SU	-	18.50
802.11ax HE20	12	2467			14.50
	13	2472			11.50
	1	2412		0	18.00
	6	2437		0	18.00
	11	2462	26T	0	18.75
	12	2467		0	18.25
802.11ax HE40	13	2472		0	9.00
	1	2412		37	19.00
	6	2437		37	19.00
	11	2462	52T	37	19.00
	12	2467		37	18.50
	13	2472		37	10.00
802.11ax HE20	1	2412		53	18.00
	6	2437		53	18.00
	11	2462	26T	0	18.75
	12	2467		0	18.00
	13	2472		0	8.00
	1	2412		37	19.00
802.11ax HE40	6	2437		37	19.00
	11	2462	52T	37	19.00
	12	2467		37	18.50
	13	2472		37	9.00
	1	2412		53	18.00
	6	2437		53	18.00
802.11ax HE20	11	2462	108T	53	18.00
	12	2467		53	18.75
	13	2472		53	10.00
	1	2412		53	18.00
	6	2437		53	18.00
	11	2462	242T	61	17.75
802.11ax HE40	12	2467		61	15.50
	13	2472		61	12.50
	1	2412		61	18.00
	6	2437		61	19.00
	11	2462	242T	61	17.50
	12	2467		61	17.25

Conducted Power (Full) WLAN2.4GHz Ant Main					
Mode	Channel	Frequency	Tone	Worst RU	MAX Tone up Power(dBm) (Include tolerance)
802.11b	1	2412			19.00
	6	2437			19.00
	11	2462			19.00
	12	2467			19.00
	13	2472			19.00
	1	2412			18.50
802.11g	6	2437			19.00
	11	2462			18.00
	12	2467			18.50
	13	2472			10.00
	1	2412			18.50
	6	2437			19.00
802.11n HT20	11	2462			18.50
	12	2467			18.50
	13	2472			9.00
	1	2412			17.50
	6	2437			19.00
	11	2462	SU	-	17.00
802.11n HT40	12	2467			14.50
	13	2472			11.50
	1	2412		0	18.00
	6	2437		0	18.00
	11	2462	26T	0	18.75
	12	2467		0	18.00
802.11ax HE20	13	2472		0	8.00
	1	2412		37	19.00
	6	2437		37	19.00
	11	2462	52T	37	19.00
	12	2467		37	18.50
	13	2472		37	9.00
802.11ax HE40	1	2412		53	18.00
	6	2437		53	18.00
	11	2462	108T	53	18.00
	12	2467		53	18.75
	13	2472		53	10.00
	1	2412		53	18.00

Conducted Power (Full) WLAN2.4GHz Ant Aux + Main					
Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant 0 Tone up
802.11b	1	2412			12.50
	6	2437			13.50
	11	2462			12.00
	12	2467			9.00
	13	2472			4.00
	1	2412			12.50
802.11g	1	2412			12.50
	6	2437			12.00
	11	2462			12.00
	12	2467			9.00
	13	2472			6.00
	1	2412			12.50
802.11n HT20	1	2412			12.50
	6	2437			13.50
	11	2462			12.00
	12	2467			9.00
	13	2472			6.00
	1	2412			12.50
802.11n HT40	3	2422			10.50
	6	2437			12.00
	9	2452	SU	-	11.00
	10	2457			7.00
	11	2462			5.00
	1	2412			10.50
802.11ax HE20	6	2437			13.50
	11	2462	52T		13.50
	12	2467			12.00
	13	2472			4.00
	1	2412			10.50
	6	2437			13.50
802.11ax HE40	1	2412			10.50
	6	2437			13.50
	9	2452	52T		13.50
	10	2457			13.50
	11	2462			13.50
	3	2422			10.50

Conducted Power (Full) WLAN2.4GHz Ant Main					
Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant 1 Tone up
802.11b	1	2412			12.50
	6	2437			13.50
	11	2462			12.00
	12	2467			9.00
	13	2472			6.00
	1	2412			12.50
802.11g	1	2412			12.50
	6	2437			12.00
	11	2462			12.00
	12	2467			9.00
	13	2472			6.00
	1	2412			12.50
802.11n HT20	1	2412			12.50
	6	2437			13.50
	11	2462			12.00
	12	2467			9.00
	13	2472			6.00
	1	2412			12.50
802.11n HT40	3	2422			10.50
	6	2437			12.00
	9	2452	484T		11.00
	10	2457			7.00
	11	2462			5.00
	1	2412			10.50
802.11ax HE20	6	2437			12.00
	11	2462	242T		12.00
	12	2467			9.00
	13	2472			6.00
	1	2412			12.00
	6	2437			12.00
802.11ax HE40	3	2422			10.50
	6	2437			12.00
	9	2452	484T		11.00
	10	2457			7.00
	11	2462			5.00
	1	2412			10.50



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Bluetooth Ant Aux					
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)
BR / EDR	0	2402			11.00
	39	2441			11.00
	78	2480			11.00
LE	0	2402			7.00
	19	2440			7.00
	39	2480			7.00



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Testing Appendix

WLAN 5.2GHz Ant Aux						
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)	
802.11a	36	5180		15.00		
	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
802.11n HT20	36	5180		15.00		
	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
802.11n HT40	36	5180		15.00		
	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
802.11ac VHT20	36	5180		15.00		
	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
802.11ac VHT40	38	5190		15.00		
	40	5200		15.00		
	42	5210		15.00		
	44	5220		15.00		
802.11ac VHT80	36	5180		15.00		
	40	5200		15.00		
	42	5210		15.00		
	44	5220		15.00		
802.11ax HE20	40	5200		15.00		
	44	5220		15.00		
	48	5240		15.00		
	50	5250		15.00		
802.11ax HE40	38	5190		15.00		
	40	5200		15.00		
	42	5210		15.00		
	44	5220		15.00		
802.11ax HE80	40	5200		15.00		
	42	5210		15.00		
	44	5220		15.00		
	46	5230		15.00		

WLAN 5.2GHz Ant Main						
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)	
802.11a	36	5180		17.00		
	40	5200		17.00		
	44	5220		17.00		
	48	5240		17.00		
802.11n HT20	36	5180		17.00		
	40	5200		17.00		
	44	5220		17.00		
	48	5240		17.00		
802.11n HT40	38	5190		17.00		
	40	5200		17.00		
	42	5210		17.00		
	44	5220		17.00		
802.11ac VHT20	36	5180		17.00		
	40	5200		17.00		
	42	5210		17.00		
	44	5220		17.00		
802.11ac VHT40	38	5190		17.00		
	40	5200		17.00		
	42	5210		17.00		
	44	5220		17.00		
802.11ac VHT80	36	5180		17.00		
	40	5200		17.00		
	42	5210		17.00		
	44	5220		17.00		
802.11ax HE20	40	5200		17.00		
	44	5220		17.00		
	48	5240		17.00		
	50	5250		17.00		
802.11ax HE40	38	5190		17.00		
	40	5200		17.00		
	42	5210		17.00		
	44	5220		17.00		
802.11ax HE80	40	5200		17.00		
	42	5210		17.00		
	44	5220		17.00		
	46	5230		17.00		

WLAN 5.2GHz Ant Aux + Main						
Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up
802.11a	36	5180		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
	48	5240		10.50	10.50	10.50
802.11n HT20	36	5180		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
	48	5240		10.50	10.50	10.50
802.11n HT40	38	5190		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	42	5210		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
802.11ac VHT20	36	5180		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	42	5210		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
802.11ac VHT40	38	5190		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	42	5210		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
802.11ac VHT80	36	5180		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	42	5210		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
802.11ax HE20	40	5200		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
	48	5240		10.50	10.50	10.50
	50	5250		10.50	10.50	10.50
802.11ax HE40	38	5190		10.50	10.50	10.50
	40	5200		10.50	10.50	10.50
	42	5210		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
802.11ax HE80	40	5200		10.50	10.50	10.50
	42	5210		10.50	10.50	10.50
	44	5220		10.50	10.50	10.50
	46	5230		10.50	10.50	10.50

WLAN 5.3GHz Ant Aux						
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)	
802.11a	56	5280		15.00		
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11n HT20	56	5280		15.00		
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11n HT40	56	5280		15.00		
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11ac VHT20	56	5280		15.00		
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11ac VHT40	56	5270		15.00		
	56	5270		15.00		
	62	5310		15.00		
	64	5320		15.00		
802.11ac VHT80	58	5290		15.00		
	58	5290		15.00		
	60	5290		15.00		
	62	5310		15.00		
802.11ax HE20	56	5280		15.00		
	56	5280		15.00		
	60	5300		15.00		
	64	5320		15.00		
802.11ax HE40	54	5270		15.00		
	54	5270		15.00		
	62	5310		15.00		
	64	5320		15.00		
802.11ax HE80	58	5290		15.00		
	58	5290		15.00		
	60	5300		15.00		
	62	5320		15.00		
802.11ax HE160	50	5250		14.00		
	50	5250		14.00		
	52	5270		14.00		
	52	5270		14.00		

WLAN 5.3GHz Ant Main						
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)	
802.11a	56	5280		17.00		
	56	5280		17.00		
	60	5300		17.00		
	64	5320		17.00		
802.11n HT20	56	5280		17.00		
	56	5280		17.00	</	



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WLAN 5.6GHz Ant Aux					
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)
802.11a	100	5500		15.50	
	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	100	5500		15.50	
802.11n HT20	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	128	5640		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	102	5510		15.50	
802.11n HT40	110	5530		15.50	
	116	5580		15.50	
	120	5630		15.50	
	124	5670		15.50	
	134	5670		15.50	
	140	5710		15.50	
	144	5730		15.50	
	100	5500		15.50	
802.11ac VHT20	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	128	5640		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	102	5510		15.50	
802.11ac VHT40	110	5530		15.50	
	116	5580		15.50	
	120	5630		15.50	
	124	5670		15.50	
	134	5670		15.50	
	140	5710		15.50	
	144	5730		15.50	
	100	5500		15.50	
802.11ac VHT80	110	5560		15.50	
	116	5590		15.50	
	120	5630		15.50	
	124	5670		15.50	
	132	5670		15.50	
	140	5710		15.50	
	144	5730		15.50	
	100	5500		15.50	
802.11ac VHT160	116	5570		15.50	
	120	5600		15.50	
	124	5620		15.50	
	128	5640		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	114	5570		15.50	

WLAN 5.6GHz Ant Main					
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)
802.11a	100	5500		15.50	
	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	100	5500		15.50	
802.11n HT20	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	128	5640		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	102	5510		15.50	
802.11n HT40	110	5530		15.50	
	116	5580		15.50	
	120	5630		15.50	
	124	5670		15.50	
	134	5670		15.50	
	140	5710		15.50	
	144	5730		15.50	
	100	5500		15.50	
802.11ac VHT20	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	128	5640		15.50	
	132	5660		15.50	
	140	5700		15.50	
	144	5720		15.50	
	102	5510		15.50	
802.11ac VHT40	110	5540		15.50	
	116	5580		15.50	
	120	5630		15.50	
	124	5670		15.50	
	134	5670		15.50	
	140	5710		15.50	
	144	5730		15.50	
	100	5500		15.50	
802.11ac VHT80	116	5590		15.50	
	120	5630		15.50	
	124	5670		15.50	
	132	5670		15.50	
	140	5710		15.50	
	144	5730		15.50	
	106	5530		15.50	
	122	5610		15.50	
802.11ac VHT160	138	5690		15.50	
	140	5710		15.50	
	144	5730		15.50	
	100	5500		15.50	
	116	5580		15.50	
	120	5600		15.50	
	124	5620		15.50	
	128	5640		15.50	

WLAN 5.6GHz Ant Aux + Main					
Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant 0 Tune up MIMO Ant 1 Tune up
802.11a	100	5500		15.50	10.000 10.00
	116	5580		15.50	10.000 10.00
	120	5600		15.50	10.000 10.00
	124	5620		15.50	10.000 10.00
	132	5660		15.50	10.000 10.00
	140	5700		15.50	10.000 10.00
	144	5720		15.50	10.000 10.00
	100	5500		15.50	10.000 10.00
802.11n HT20	116	5580		15.50	10.000 10.00
	120	5600		15.50	10.000 10.00
	124	5620		15.50	10.000 10.00
	128	5640		15.50	10.000 10.00
	132	5660		15.50	10.000 10.00
	140	5700		15.50	10.000 10.00
	144	5720		15.50	10.000 10.00
	102	5510		15.50	10.000 10.00
802.11n HT40	110	5530		15.50	10.000 10.00
	116	5580		15.50	10.000 10.00
	120	5630		15.50	10.000 10.00
	124	5670		15.50	10.000 10.00
	134	5670		15.50	10.000 10.00
	140	5710		15.50	10.000 10.00
	144	5730		15.50	10.000 10.00
	100	5500		15.50	10.000 10.00
802.11ac VHT20	124	5620		15.50	10.000 10.00
	132	5660		15.50	10.000 10.00
	140	5700		15.50	10.000 10.00
	144	5720		15.50	10.000 10.00
	102	5510		15.50	10.000 10.00
	110	5550		15.50	10.000 10.00
	116	5590		15.50	10.000 10.00
	120	5630		15.50	10.000 10.00
802.11ac VHT40	128	5640		15.50	10.000 10.00
	132	5660		15.50	10.000 10.00
	140	5700		15.50	10.000 10.00
	144	5720		15.50	10.000 10.00
	102	5510		15.50	10.000 10.00
	112	5550		15.50	10.000 10.00
	116	5590		15.50	10.000 10.00
	122	5610		15.50	10.000 10.00
802.11ac VHT80	124	5670		15.50	10.000 10.00
	130	5690		15.50	10.000 10.00
	138	5690		15.50	10.000 10.00
	140	5710		15.50	10.000 10.00
	144	5730		15.50	10.000 10.00
	100	5500		15.50	10.000 10.00
	116	5580		15.50	10.000 10.00
	120	5600		15.50	10.000 10.00
802.11ac VHT160	124	5620		15.50	10.000 10.00
	132	5660		15.50	10.000 10.00
	140	5700		15.50	10.000 10.00
	144	5720		15.50	10.000 10.00
	102	5510		15.50	10.000 10.00
	112	5550		15.50	10.000 10.00
	116	5590		15.50	10.000 10.00
	122	5610		15.50	10.000 10.00



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Testing Appendix

WLAN 5.8GHz Ant Aux							WLAN 5.8GHz Ant Main							WLAN 5.8GHz Ant Aux + Main										
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)		Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)		Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant 0 Tune up		MIMO Ant 1 Tune up			
802.11a	149	6745			15.00		802.11a	149	6745			15.00		802.11a	149	6745			10.500		10.500			
	153	6765			15.00			153	6765			15.00			153	6765			10.500		10.500			
	157	5785			15.00			157	5785			15.00			157	5785			10.500		10.500			
	161	5805			15.00			161	5805			15.00			161	5805			10.500		10.500			
	165	5825			15.00			165	5825			15.00			165	5825			10.500		10.500			
	149	5745			15.00			149	5745			15.00			149	5745			10.500		10.500			
	153	5765			15.00			153	5765			15.00			153	5765			10.500		10.500			
802.11n HT20	157	5785			15.00		802.11n HT20	157	5785			15.00		802.11n HT20	157	5785			10.500		10.500			
	161	5805			15.00			161	5805			15.00			161	5805			10.500		10.500			
	165	5825			15.00			165	5825			15.00			165	5825			10.500		10.500			
	151	5755			15.00			151	5755			15.00			151	5755			10.500		10.500			
	159	5775			15.00			159	5775			15.00			159	5775			10.500		10.500			
	149	5745			15.00			149	5745			15.00			149	5745			10.500		10.500			
	153	5765			15.00			153	5765			15.00			153	5765			10.500		10.500			
802.11ac VHT20	157	5785			15.00		802.11n HT40	157	5785			15.00		802.11n HT40	157	5785			10.500		10.500			
	161	5805			15.00			161	5805			15.00			161	5805			10.500		10.500			
	165	5825			15.00			165	5825			15.00			165	5825			10.500		10.500			
	151	5755			15.00			151	5755			15.00			151	5755			10.500		10.500			
	159	5775			15.00			159	5775			15.00			159	5775			10.500		10.500			
	149	5745			15.00			149	5745			15.00			149	5745			10.500		10.500			
	153	5765			15.00			153	5765			15.00			153	5765			10.500		10.500			
802.11ac VHT40	151	5755			15.00		802.11ac VHT80	151	5755			15.00		802.11ac VHT80	151	5755			10.500		10.500			
	159	5775			15.00			159	5775			15.00			159	5775			10.500		10.500			
	145	5745			15.00			145	5745			15.00			145	5745			10.500		10.500			
	153	5765			15.00			153	5765			15.00			153	5765			10.500		10.500			
	161	5805			15.00			161	5805			15.00			161	5805			10.500		10.500			
	165	5825			15.00			165	5825			15.00			165	5825			10.500		10.500			
	151	5755			15.00			151	5755			15.00			151	5755			10.500		10.500			
802.11ax HE40	159	5795			15.00		802.11ax HE80	159	5795			15.00		802.11ax HE80	159	5795			10.500		10.500			
	165	5825			15.00			165	5825			15.00			165	5825			10.500		10.500			
	151	5755			15.00			151	5755			15.00			151	5755			10.500		10.500			
	159	5795			15.00			159	5795			15.00			159	5795			10.500		10.500			
	145	5745			15.00			145	5745			15.00			145	5745			10.500		10.500			
	153	5765			15.00			153	5765			15.00			153	5765			10.500		10.500			
	161	5805			15.00			161	5805			15.00			161	5805			10.500		10.500			
802.11ax HE80	165	5825			15.00		802.11ax HE80	165	5825			15.00		802.11ax HE80	165	5825			10.500		10.500			
	151	5755			15.00			151	5755			15.00			151	5755			10.500		10.500			
	159	5795			15.00			159	5795			15.00			159	5795			10.500		10.500			
	145	5745			15.00			145	5745			15.00			145	5745			10.500		10.500			
	153	5765			15.00			153	5765			15.00			153	5765			10.500		10.500			
	161	5805			15.00			161	5805			15.00			161	5805			10.500		10.500			
	159	5795			15.00			159	5795			15.00			159	5795			10.500		10.500			
UNII-5 Ant Aux							UNII-5 Ant Main							UNII-5 Ant Aux + Main										
Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)		Mode	Channel	Frequency	Tone	Worst RU	MAX Tune-up Power(dBm) (include tolerance)		Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant 0 Tune up		MIMO Ant 1 Tune up			
802.11ax HE160	15	6025			12.0		802.11ax HE160	15	6025			12.0		802.11ax HE160	15	6025			6.5		6.5			
	47	6185																						



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Testing Appendix

Appendix E. Measured Conducted Power Result

The measuring conducted power (Unit: dBm) are shown as below.

Testing Appendix

Conducted Power (Full) WLAN2.4GHz Ant Aux							Conducted Power (Full) WLAN2.4GHz Ant Main							Conducted Power (Full) WLAN2.4GHz Ant Aux + Main						
Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power	Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power	Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant Aux Avg. Power	MIMO Ant Main Avg. Power	MIMO Ant Aux+Main Avg. Power	
802.11b	1	2412			18.85	802.11b	1	2412			18.89	802.11b	1	2412			12.48	12.48	15.49	
	6	2437			18.99		6	2437			18.87		6	2437			12.49	12.45	16.28	
	11	2462			18.95		11	2462			18.89		11	2462			11.87	11.97	14.93	
	12	2467			17.33		12	2467			15.35		12	2467			8.90	8.87	11.95	
802.11g	1	2412			17.82	802.11g	1	2412			18.38	802.11g	1	2412			12.45	12.48	15.44	
	6	2437			17.79		6	2437			18.30		6	2437			13.33	13.17	16.26	
	11	2462			17.61		11	2462			17.89		11	2462			11.98	11.92	14.95	
	12	2467			15.34		12	2467			15.23		12	2467			8.95	8.94	11.98	
802.11n HT20	1	2412			19.49	802.11n HT20	1	2412			18.44	802.11n HT20	1	2412			12.37	12.49	15.44	
	6	2437			18.76		6	2437			18.82		6	2437			13.33	13.17	16.26	
	11	2462			17.60		11	2462			17.65		11	2462			11.98	11.92	14.95	
	12	2467			12.50		12	2467			12.52		12	2467			8.95	8.94	11.98	
802.11n HT40	3	2422			16.30	802.11n HT40	3	2422			15.67	802.11n HT40	3	2422			10.36	10.46	13.42	
	6	2437			17.22		6	2437			17.69		6	2437			11.75	11.88	14.83	
	9	2462			15.22		9	2462			15.14		9	2462			10.58	10.58	13.58	
	10	2467			12.90		10	2467			12.47		10	2467			6.93	6.94	9.95	
802.11ax HE20	11	2462			11.39	802.11ax HE20	11	2462			10.20	802.11ax HE20	11	2462			4.96	4.86	7.92	
	1	2412			15.49		1	2412			14.39		1	2412			11.21	11.23	14.23	
	6	2437			14.77		6	2437			14.75		6	2437			13.32	13.20	16.26	
	11	2462			14.38		11	2462			14.35		11	2462			10.80	10.81	13.82	
802.11ax HE40	12	2467			14.35	802.11ax HE40	12	2467			14.32	802.11ax HE40	12	2467			8.73	8.69	11.72	
	13	2472			11.10		13	2472			7.65		13	2472			5.70	5.67	8.70	
	1	2412			18.41		1	2412			18.09		1	2412			0	10.31	10.35	13.34
	6	2437			18.75		6	2437			18.80		6	2437			0	13.28	13.28	16.29
802.11ax HE80	11	2462			18.87	802.11ax HE80	11	2462			18.82	802.11ax HE80	11	2462			0	12.84	12.88	16.28
	12	2467			16.15		12	2467			17.56		12	2467			0	12.56	12.59	16.33
	13	2472			8.72		13	2472			7.90		13	2472			0	3.88	3.92	6.91
	1	2412			18.82		1	2412			18.81		1	2412			37	10.37	10.39	13.39
802.11ax HE20T	6	2437			18.75	802.11ax HE20T	6	2437			18.74	802.11ax HE20T	6	2437			37	13.27	13.26	16.28
	11	2462			18.87		11	2462			18.81		11	2462			37	13.44	13.43	16.45
	12	2467			16.15		12	2467			16.23		12	2467			37	10.42	10.33	13.39
	13	2472			8.63		13	2472			8.57		13	2472			37	3.62	3.61	6.61
802.11ax HE80T	1	2412			18.49	802.11ax HE80T	1	2412			18.31	802.11ax HE80T	1	2412			53	12.36	12.37	16.38
	6	2437			18.82		6	2437			18.74		6	2437			53	13.42	13.32	16.38
	11	2462			17.04		11	2462			17.87		11	2462			53	12.40	12.31	15.37
	12	2467			16.21		12	2467			15.73		12	2467			53	10.37	10.18	13.29
802.11ax HE40T	13	2472			9.78	802.11ax HE40T	13	2472			9.80	802.11ax HE40T	13	2472			53	4.73	4.71	7.73
	1	2412			17.95		1	2412			18.29		1	2412			12.30	12.22	15.27	
	6	2437			18.59		6	2437			18.51		6	2437			11.89	11.83	14.87	
	11	2462			17.44		11	2462			17.87		12	2467			8.81	8.83	11.83	
802.11ax HE20T	12	2467			15.43		12	2467			15.25		13	2472			5.82	5.78	8.81	
	13	2472			12.45		13	2472			10.83		13	2472						
802.11ax HE40T	1	2422			15.71	802.11ax HE40T	3	2422			15.47	802.11ax HE40T	3	2422			10.40	10.26	13.34	
	6	2437			16.98		6	2437			17.70		6	2437			11.89	11.77	14.84	
	9	2452			17.23		9	2452			15.83		9	2452			10.82	10.72	13.78	
	10	2457			12.75		10	2457			12.55		10	2457			6.78	6.75	9.78	
802.11ax HE80T	11	2462			11.30	802.11ax HE80T	11	2462			9.98	802.11ax HE80T	11	2462			4.83	4.70	7.78	
	1	2422			18.89		1	2422			18.89		1	2422.00			0.00	13.42	13.32	16.38
	6	2437			18.95		6	2437			18.95		6	2437.00			0.00	13.43	13.40	16.43
	9	2452			18.84		9	2452			18.80		9	2452.00			0.00	13.37	13.30	16.35
802.11ax HE40T	10	2457			18.90	802.11ax HE40T	10	2457			18.81	802.11ax HE40T	10	2457.00			0.00	13.34	13.38	16.37
	11	2462			18.78		11	2462			18.84		11	2462.00			0.00	13.31	13.47	16.40
	1	2422			18.85		1	2422			18.85		1	2422			0	13.47	13.40	16.45
	6	2437			18.85		6	2437			18.86		6	2437			0	13.47	13.35	16.42
802.11ax HE20T	9	2452			18.83		9	2452			18.85		9	2452			0	13.44	13.37	16.42
	10	2457			18.82		10	2457			18.85		10	2457			0	13.45	13.40	16.44
	11	2462			18.89		11	2462			18.88		11	2462			0	13.35	13.39	16.38
	1	2422			18.85		1	2422			18.84		1	2422			53	13.35	13.38	16.38
802.11ax HE80T	6	2437			18.84		6	2437			18.85		6	2437			53	13.38	13.33	16.37
	9	2452			17.33		9	2452			17.61		9	2452			53	13.44	13.34	16.40
	10	2457			17.07		10	2457			17.23		10	2457			53	13.34	13.31	16.34
	11	2462			9.77		11	2462			8.88		11	2462			53	13.43	13.35	16.40
802.11ax HE40T	3	2422			16.25		3	2422			1									

Testing Appendix

Bluetooth Ant Aux					SAR
Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power
BR / EDR	0	2402			8.71
	39	2441			9.10
	78	2480			9.61
LE	0	2402			6.92
	19	2440			6.97
	39	2480			6.85



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Testing Appendix

WLAN 5.2GHz Ant Aux							WLAN 5.2GHz Ant Main							WLAN 5.2GHz Ant Aux + Main								
Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power		Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power		Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant Aux Avg. Power		MIMO Ant Main Avg. Power	
802.11a	36	5180			14.83		802.11a	36	5180			16.94		802.11a	36	5180			10.33	10.29	13.32	
	40	5200			14.88			40	5200			16.89			40	5200			10.42	10.29	13.37	
	44	5220			14.93			44	5220			16.93			44	5220			10.35	10.29	13.38	
	48	5240			14.90			48	5240			16.84			48	5240			10.42	10.27	13.38	
	36	5180			14.85			36	5180			16.88			36	5180			10.30	10.37	13.35	
	40	5200			14.88			40	5200			16.94			40	5200			10.40	10.29	13.36	
	44	5220			14.87			44	5220			16.85			44	5220			10.33	10.28	13.36	
	48	5240			14.90			48	5240			16.89			48	5240			10.40	10.26	13.34	
	38	5190			14.90			38	5190			16.89			38	5190			10.39	10.37	13.39	
	40	5220			14.84			40	5220			16.92			40	5220			10.35	10.30	13.35	
802.11n HT20	36	5180			14.92		802.11n HT20	36	5180			16.82		802.11n HT20	36	5180			10.25	10.25	13.31	
	40	5200			14.88			40	5200			16.88			40	5200			10.28	10.39	13.35	
	44	5220			14.91			44	5220			16.84			44	5220			10.32	10.36	13.35	
	48	5240			14.90			48	5240			16.89			48	5240			10.45	10.30	13.36	
	38	5190			14.81			38	5190			16.89			38	5190			10.41	10.37	13.40	
	40	5220			14.84			40	5220			16.92			40	5220			10.45	10.32	13.40	
	44	5240			14.82			44	5240			16.83			44	5240			10.42	10.42	13.43	
	36	5180			14.85			36	5180			16.82			36	5180			10.47	10.37	13.43	
	40	5200			14.88			40	5200			16.94			40	5200			10.41	10.42	13.43	
	44	5220			14.86			44	5220			16.85			44	5220			10.43	10.30	13.44	
802.11ac VHT20	38	5190			14.84		802.11ac VHT20	38	5190			16.90		802.11ac VHT20	38	5190			10.45	10.32	13.45	
	40	5220			14.81			40	5220			16.89			40	5220			10.42	10.42	13.43	
	44	5240			14.82			44	5240			16.87			44	5240			10.43	10.30	13.44	
	36	5180			14.92			36	5180			16.82			36	5180			10.35	10.30	13.45	
	40	5200			14.88			40	5200			16.95			40	5200			10.40	10.48	13.45	
	44	5220			14.85			44	5220			16.79			44	5220			10.40	10.30	13.45	
	48	5240			14.86			48	5240			16.83			48	5240			10.45	10.30	13.45	
	38	5190			14.84			38	5190			16.84			38	5190			10.41	10.37	13.41	
	40	5220			14.93			40	5220			16.91			40	5220			10.56	10.35	13.47	
	44	5240			14.96			44	5240			16.99			44	5240						
WLAN 5.3GHz Ant Aux							WLAN 5.3GHz Ant Main							WLAN 5.3GHz Ant Aux + Main								
Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power		Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power		Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant Aux Avg. Power		MIMO Ant Main Avg. Power	
802.11a	52	5260			14.92		802.11a	52	5260			16.85		802.11a	52	5260			10.36	10.33	13.36	
	56	5280			14.87			56	5280			16.84			56	5280			10.38	10.34	13.37	
	60	5300			14.91			60	5300			16.87			60	5300			10.39	10.33	13.37	
	64	5320			14.91			64	5320			16.96			64	5320			10.33	10.30	13.33	
	52	5280			14.83			52	5280			16.83			52	5280			10.40	10.37	13.40	
	56	5300			14.89			56	5300			16.82			56	5300			10.33	10.33	13.37	
	60	5320			14.85			60	5320			16.85			60	5320			10.35	10.32	13.37	
	64	5340			14.85			64	5340			16.93			64	5340			10.41	10.31	13.37	
	52	5270			14.87			52	5270			16.88			52	5270			10.35	10.35	13.36	
	56	5290			14.89			56	5290			16.80			56	5290			10.34	10.30	13.36	
802.11ac VHT20	56	5300			14.84		802.11ac VHT20	56	5300			16.84		802.11ac VHT20	56	5300			10.36	10.32	13.35	
	60	5320			14.84			60	5320			16.89			60	5320			10.33	10.29	13.33	
	64	5340			14.82			64	5340			16.84			64	5340			10.40	10.37	13.40	
	52	5270			14.88			52	5270			16.96			52	5270			10.42	10.39	13.37	
	56	5290			14.88			56	5290			16.93			56	5290			10.42	10.39	13.37	
	60	5310			14.87			60	5310			16.93			60	5310			10.43	10.39	13.37	
	64	5330			14.88			64	5330			16.90			64	5330			10.40	10.36	13.36	
	54	5270			14.88			54	5270			16.85			54	5270			10.42	10.39	13.37	
	58	5310			14.83			58	5310			16.83			58	5310			10.43	10.39	13.37	
	62	5330			14.83			62	5330			16.90			62	5330			10.40	10.36	13.36	
802.11n HT20	52	5260			14.87		802.11n HT20	52	5260			16.82		802.11n HT20	52	5260			10.36	10.32	13.36	
	56	5280			14.85			56	5280			16.84			56	5280			10.38	10.34	13.37	
	60	5300			14.85			60	5300			16.88			60	5300			10.39	10.35	13.37	
	64	5320			14.81			64	5320			16.88			64	5320			10.40	10.32	13.37	
	54	5270			14.89			54	5270			16.81			54	5270			10.41	10.25	13.34	
	58	5300			14.80			58	5300			16.80			58	5300			10.40	10.19	13.33	
	62	5320			14.87			62	5320			16.82			62	5320			10.46	10.33	13.41	
	66	5340			14.85			66	5340			16.84			66	5340			10.37	10.28	13.34	
	70	537		</																		

Testing Appendix

WLAN 5.6GHz Ant Aux							WLAN 5.6GHz Ant Main							WLAN 5.6GHz Ant Aux + Main							
Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Aux Avg. Power		Mode	Channel	Frequency	Tone	Worst RU	SISO Ant Main Avg. Power		Mode	Channel	Frequency	Tone	Worst RU	MIMO Ant Aux Avg. Power	MIMO Ant Main Avg. Power	MIMO Ant Aux+Main Avg. Power
802.11a	100	5600			15.35		802.11a	100	5600			15.36		802.11a	100	5600			9.70	9.64	12.68
	116	5680			15.37			116	5680			15.37			116	5680			9.65	9.61	12.64
	120	5600			15.39			120	5600			15.38			120	5600			9.69	9.64	12.68
	124	5640			15.31			124	5640			15.31			124	5640			9.63	9.59	12.61
	132	5660			15.37			132	5660			15.36			132	5660			9.68	9.62	12.66
802.11n HT20	140	5700			15.35		802.11n HT20	140	5700			15.35		802.11n HT20	140	5700			9.80	9.62	12.72
	144	5720			15.35			144	5720			15.35			144	5720			9.68	9.68	12.75
	150	5600			15.39			150	5600			15.39			150	5600			9.77	9.55	12.68
	116	5680			15.30			116	5680			15.35			116	5680			9.74	9.58	12.68
	120	5600			15.42			120	5600			15.36			120	5600			9.69	9.61	12.68
802.11n HT40	124	5620			15.37		802.11n HT40	124	5620			15.35		802.11n HT40	124	5620			9.68	9.53	12.67
	128	5640			15.38			128	5640			15.35			132	5660			9.67	9.61	12.65
	132	5660			15.36			132	5660			15.35			140	5700			9.77	9.65	12.72
	140	5700			15.39			140	5700			15.37			144	5720			9.75	9.65	12.74
	144	5740			15.44			144	5740			15.44			144	5740			9.75	9.65	12.74
802.11ac VHT20	102	5610			15.34		802.11ac VHT20	102	5610			15.38		802.11ac VHT20	102	5610			9.80	9.68	12.75
	110	5650			15.33			110	5650			15.31			110	5650			9.84	9.65	12.76
	118	5690			15.40			118	5690			15.36			118	5690			9.68	9.53	12.67
	124	5630			15.35			124	5630			15.31			134	5670			9.71	9.60	12.67
	134	5670			15.37			134	5670			15.31			142	5710			9.65	9.58	12.63
802.11ac VHT40	142	5710			15.39		802.11ac VHT40	142	5710			15.38		802.11ac VHT40	100	5630			9.77	9.65	12.71
	105	5600			15.30			105	5600			15.32			110	5650			9.77	9.60	12.70
	116	5680			15.35			116	5680			15.32			120	5660			9.66	9.63	12.64
	120	5600			15.38			124	5620			15.39			124	5620			9.65	9.63	12.65
	124	5640			15.35			128	5640			15.38			132	5660			9.64	9.62	12.64
802.11ac VHT80	140	5700			15.37		802.11ac VHT80	140	5700			15.32		802.11ac VHT80	100	5630			9.65	9.60	12.64
	144	5720			15.32			144	5720			15.35			102	5610			9.70	9.57	12.79
	110	5650			15.34			110	5650			15.38			110	5650			9.80	9.62	12.72
	118	5690			15.38			118	5690			15.40			118	5690			9.68	9.54	12.66
	124	5630			15.37			124	5630			15.34			124	5630			9.74	9.60	12.71
802.11ac VHT160	142	5710			15.37		802.11ac VHT160	142	5710			15.41		802.11ac VHT160	142	5710			9.70	9.58	12.65
	106	5630			15.46			106	5630			15.43			106	5630			9.31	9.28	12.30
	122	5670			15.45			122	5670			15.42			122	5670			9.31	9.28	12.30
	138	5690			15.46			138	5690			15.44			138	5690			9.91	9.88	12.91
	114	5670			15.40			114	5670			15.42			114	5670			9.97	9.95	12.97
802.11ax HE20	100	5600			15.34		802.11ax HE20	100	5600			15.30		802.11ax HE20	100	5600			9.63	9.58	12.62
	116	5630			15.41			116	5630			15.38			116	5630			9.72	9.65	12.68
	120	5600			15.38			120	5600			15.40			120	5600			9.66	9.65	12.67
	124	5620			15.38			124	5620			15.34			124	5620			9.65	9.59	12.63
	128	5640			15.39			128	5640			15.38			128	5640			9.65	9.53	12.65
802.11ax HE40	132	5660			15.37		802.11ax HE40	132	5660			15.35		802.11ax HE40	132	5660			9.65	9.53	12.63
	134	5670			15.35			134	5670			15.38			134	5670			9.63	9.60	12.71
	142	5710			15.46			142	5710			15.33			142	5710			9.60	9.75	12.79
	106	5630			15.47			106	5630			15.47			106	5630			9.88	9.86	12.87
	122	5670			15.47			122	5670			15.46			122	5670			9.87	9.85	12.93
802.11ax HE80	138	5690			15.48		802.11ax HE80	138	5690			15.30		802.11ax HE80	138	5690			10.01	9.77	12.97
	114	5670			15.49			114	5670			15.49			114	5670			9.99	9.97	12.99
	111	6505			11.89			111	6505			11.87			111	6505			6.37	6.46	9.42
	143	6655			11.81			143	6655			11.81			143	6655			6.47	6.35	9.42
	175	6825			11.97			175	6825			11.93			175	6825			6.43	6.40	9.43
802.11ax HE160	207	6985			11.99		802.11ax HE160	207	6985			11.96		802.11ax HE160	207	6985			6.33	6.48	9.470
	15	6025			11.83			15	6025			11.95			15	6025			6.40	6.41	9.41
	47	6185			11.82			47	6185			11.84			47	6185			6.46	6.36	9.42
	79	6345			11.95			79	6345			11.88			79	6345			6.32	6.36	9.35
	143	6655			11.81			143	6655			11.81			143	6655			6.47	6.35	9.42
802.11ax HE160	175	6825			11.97			175	6825			11.93			175	6825			6.43	6.40	9.43
	207	6985			11.99			207	6985			11.96			207	6985			6.33	6.48	9.470
	15	6025			11.83			15	6025			11.81			15	6025			6.40	6.41	9.41
	47	6185			11.82			47	6185			11.84			47	6185			6.46	6.36	9.42
	79	6345			11.95			79	6345			11.88			79	6345			6.32	6.36	9.35
802.11ax HE160	143	6655			11.81			143	6655			11.81</td									