

APPENDIX F: IEEE 802.11AX RU SAR EXCLUSION

FCC ID: BCGA2117	SAR EVALUATION REPORT	Reviewed by: Technical Manager
DUT Type: Head Mounted Device		APPENDIX F: Page 1 of 9

F.1 IEEE 802.11ax RU SAR Exclusion

To make the most efficient use of the additional available subcarriers (data tones), IEEE 802.11ax can utilize Orthogonal Frequency-Division Multiple Access (OFDMA) which divides the existing 802.11 channels into smaller subchannels called Resource Units (RUs). Possible RU sizes are: 26T, 52T, 106T, 242T, 484T and 996T.

Per FCC Guidance, 802.11ax was considered a higher order 802.11 mode when compared to a/b/g/n/ac to apply KDB Publication 248227 D01v02r02 for OFDM mode selection. Therefore, SAR tests were not required for 802.11ax based on the maximum allowed output powers of OFDM modes and the reported SAR values. Per FCC Guidance, maximum conducted powers were performed for each RU size to demonstrate that the output powers would not be higher than the other OFDM 802.11 modes.

F.2 IEEE 802.11ax RU Target Powers

F.2.1 Maximum 802.11ax RU Time-Averaged Output Power

Mode	IEEE 802.11ax RU (Maximum in dBm) - Ant 1 Tolerance (+0/-3.00 dB)								
	Channel	SISO				MIMO			
		Tones							
		26T	52T	106T	242T	26T	52T	106T	242T
2.4 GHz WIFI 20 MHz Bandwidth	1	12.50	15.50	17.50	16.25	12.50	15.50	15.50	16.00
	2	12.50	15.50	18.50	17.75	12.50	15.50	18.50	17.75
	3	12.50	15.50	18.50	19.00	12.50	15.50	18.50	19.00
	4	12.50	15.50	18.50	20.00	12.50	15.50	18.50	20.00
	5	12.50	15.50	18.50	21.50	12.50	15.50	18.50	21.50
	6	12.50	15.50	18.50	21.50	12.50	15.50	18.50	21.50
	7	12.50	15.50	18.50	21.25	12.50	15.50	18.50	21.25
	8	12.50	15.50	18.50	20.25	12.50	15.50	18.50	20.25
	9	12.50	15.50	18.50	19.00	12.50	15.50	18.50	19.00
	10	12.50	15.50	18.50	17.25	12.50	15.50	18.50	17.25
	11	12.50	15.50	18.00	16.00	12.50	15.50	18.00	16.00
	12	12.50	15.50	15.75	15.00	12.50	15.50	15.75	15.00
	13	NS	NS	NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Mode	IEEE 802.11ax RU (Maximum in dBm) - Ant 2 Tolerance (+0/-3.00 dB)								
	Channel	SISO				MIMO			
		Tones							
		26T	52T	106T	242T	26T	52T	106T	242T
2.4 GHz WIFI 20 MHz Bandwidth	1	12.50	15.50	17.50	16.25	12.50	15.50	15.50	16.00
	2	12.50	15.50	18.50	17.75	12.50	15.50	18.50	17.75
	3	12.50	15.50	18.50	19.00	12.50	15.50	18.50	19.00
	4	12.50	15.50	18.50	20.00	12.50	15.50	18.50	20.00
	5	12.50	15.50	18.50	21.50	12.50	15.50	18.50	21.50
	6	12.50	15.50	18.50	21.50	12.50	15.50	18.50	21.50
	7	12.50	15.50	18.50	21.25	12.50	15.50	18.50	21.25
	8	12.50	15.50	18.50	20.25	12.50	15.50	18.50	20.25
	9	12.50	15.50	18.50	19.00	12.50	15.50	18.50	19.00
	10	12.50	15.50	18.50	17.25	12.50	15.50	18.50	17.25
	11	12.50	15.50	18.00	16.00	12.50	15.50	18.00	16.00
	12	12.50	15.50	15.75	15.00	12.50	15.50	15.75	15.00
	13	NS	NS	NS	NS	NS	NS	NS	NS

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

FCC ID: BCGA2117	SAR EVALUATION REPORT	Reviewed by: Technical Manager
DUT Type: Head Mounted Device		APPENDIX F: Page 2 of 9

Mode	Channel	IEEE 802.11ax RU (Maximum in dBm) - Ant 1 Tolerance (+0/-3.00 dB)																	
		SISO						MIMO CDD						MIMO SDM					
		Tones						Tones						Tones					
		26T	52T	106T	242T	484T	996T	26T	52T	106T	242T	484T	996T	26T	52T	106T	242T	484T	996T
5 GHz WiFi 20 MHz Bandwidth	36	11.00	14.00	17.00	18.50			8.50	11.50	14.50	15.75			8.50	11.50	14.50	15.75		
	40	11.00	14.00	17.00	18.50			8.50	11.50	14.50	16.50			8.50	11.50	14.50	16.50		
	44	11.00	14.00	17.00	18.50			8.50	11.50	14.50	16.50			8.50	11.50	14.50	16.50		
	48	11.00	14.00	17.00	18.50			8.50	11.50	14.50	16.50			8.50	11.50	14.50	16.50		
	52	NS	14.00	17.00	18.50			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	56	NS	14.00	17.00	18.50			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	60	NS	14.00	17.00	18.50			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	64	NS	14.00	17.00	17.50			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	100	NS	14.00	17.00	15.50			NS	11.50	14.50	15.00			NS	11.50	14.50	15.00		
	104	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	108	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	112	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	116	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	120	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	124	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	128	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	132	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	136	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	140	NS	14.00	16.00	16.00			NS	11.50	14.50	14.75			NS	11.50	14.50	14.75		
	144	NS	14.00	17.00	18.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	148	11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25		
	153	11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25		
	157	11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25		
	161	11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25		
	165	11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25			11.00	14.00	17.00	19.25		
5 GHz WiFi 40 MHz Bandwidth	38	11.00	14.00	15.25	15.25	12.50		8.50	11.50	14.50	15.25	12.25		8.50	11.50	14.50	15.25	12.25	
	46	11.00	14.00	17.00	18.50	18.50		8.50	11.50	14.50	16.50	18.50		8.50	11.50	14.50	16.50	18.50	
	54	NS	14.00	17.00	18.50	18.50		NS	11.50	14.50	16.50	18.50		NS	11.50	14.50	16.50	18.50	
	62	NS	12.00	15.00	17.25	14.50		NS	11.50	14.50	16.50	13.50		NS	11.50	14.50	16.50	13.50	
	102	NS	12.00	15.00	15.50	13.00		NS	11.50	14.50	15.00	13.00		NS	11.50	14.50	15.00	13.00	
	110	NS	14.00	17.00	18.75	18.75		NS	11.50	14.50	16.50	18.75		NS	11.50	14.50	16.50	18.75	
	118	NS	14.00	17.00	18.75	18.75		NS	11.50	14.50	16.50	18.75		NS	11.50	14.50	16.50	18.75	
	126	NS	14.00	17.00	18.75	18.75		NS	11.50	14.50	16.50	18.75		NS	11.50	14.50	16.50	18.75	
	134	NS	14.00	17.00	18.50	17.25		NS	11.50	14.50	16.50	15.25		NS	11.50	14.50	16.50	15.25	
	142	NS	14.00	17.00	16.25	18.75		NS	11.50	14.50	14.75	18.75		NS	11.50	14.50	14.75	18.75	
	151	11.00	14.00	17.00	19.25	19.25		11.00	14.00	17.00	19.25	19.25		11.00	14.00	17.00	19.25	19.25	
	159	11.00	14.00	17.00	19.25	19.25		11.00	14.00	17.00	19.25	19.25		11.00	14.00	17.00	19.25	19.25	
	42	9.00	12.00	12.50	13.75	12.50	11.50	8.50	11.50	12.50	13.75	12.25	10.75	8.50	11.50	12.50	13.75	12.25	10.75
	58	NS	12.00	14.00	14.00	14.00	11.00	NS	11.50	14.00	14.00	13.50	11.00	NS	11.50	14.00	14.00	13.50	11.00
	106	NS	12.00	14.75	15.50	13.00	13.75	NS	11.50	14.50	15.00	13.00	13.50	NS	11.50	14.50	15.00	13.00	13.50
	122	NS	14.00	17.00	18.75	18.75	17.50	NS	11.50	14.50	16.50	18.75	13.50	NS	11.50	14.50	16.50	18.75	13.50
	138	NS	14.00	17.00	16.25	17.25	18.75	NS	11.50	14.50	14.75	15.25	18.75	NS	11.50	14.50	14.75	15.25	18.75
	155	11.00	14.00	17.00	18.50	18.50	17.75	11.00	14.00	17.00	18.50	18.50	16.25	11.00	14.00	17.00	18.50	18.50	16.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Mode	Channel	IEEE 802.11ax RU (Maximum in dBm) - Ant 2 Tolerance (+0/-3.00 dB)																	
		SISO						MIMO CDD						MIMO SDM					
		26T	52T	106T	242T	484T	996T	Tones						26T	52T	106T	242T	484T	996T
5 GHz WiFi 20 MHz Bandwidth	36	11.00	14.00	17.00	16.00			8.50	11.50	14.50	15.75			8.50	11.50	14.50	15.75		
	40	11.00	14.00	17.00	18.00			8.50	11.50	14.50	16.50			8.50	11.50	14.50	16.50		
	44	11.00	14.00	17.00	18.00			8.50	11.50	14.50	16.50			8.50	11.50	14.50	16.50		
	48	11.00	14.00	17.00	18.00			8.50	11.50	14.50	16.50			8.50	11.50	14.50	16.50		
	52	NS	14.00	17.00	17.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	56	NS	14.00	17.00	17.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	60	NS	14.00	17.00	17.75			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	64	NS	14.00	17.00	17.50			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	100	NS	14.00	17.00	15.50			NS	11.50	14.50	15.00			NS	11.50	14.50	15.00		
	104	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	108	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	112	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	116	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	120	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	124	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	128	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	132	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	136	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	140	NS	14.00	16.00	16.00			NS	11.50	14.50	14.75			NS	11.50	14.50	14.75		
	144	NS	14.00	17.00	18.25			NS	11.50	14.50	16.50			NS	11.50	14.50	16.50		
	148	11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75		
	153	11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75		
157	11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			
161	11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			
165	11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			11.00	14.00	17.00	18.75			
5 GHz WiFi 40 MHz Bandwidth	38	11.00	14.00	15.25	15.25	12.50		8.50	11.50	14.50	15.25	12.25		8.50	11.50	14.50	15.25	12.25	
	46	11.00	14.00	17.00	18.00	18.00		8.50	11.50	14.50	16.50	18.00		8.50	11.50	14.50	16.50	18.00	
	54	NS	14.00	17.00	17.75	17.75		NS	11.50	14.50	16.50	17.75		NS	11.50	14.50	16.50	17.75	
	62	NS	12.00	15.00	17.50	14.50		NS	11.50	14.50	16.50	13.50		NS	11.50	14.50	16.50	13.50	
	102	NS	12.00	15.00	15.50	13.00		NS	11.50	14.50	15.00	13.00		NS	11.50	14.50	15.00	13.00	
	110	NS	14.00	17.00	18.25	18.25		NS	11.50	14.50	16.50	18.25		NS	11.50	14.50	16.50	18.25	
	118	NS	14.00	17.00	18.25	18.25		NS	11.50	14.50	16.50	18.25		NS	11.50	14.50	16.50	18.25	
	126	NS	14.00	17.00	18.25	18.25		NS	11.50	14.50	16.50	18.25		NS	11.50	14.50	16.50	18.25	
	134	NS	14.00	17.00	18.25	17.25		NS	11.50	14.50	16.50	15.25		NS	11.50	14.50	16.50	15.25	
	142	NS	14.00	17.00	16.25	18.25		NS	11.50	14.50	14.75	18.25		NS	11.50	14.50	14.75	18.25	
	151	11.00	14.00	17.00	18.75	18.75		11.00	14.00	17.00	18.75	18.75		11.00	14.00	17.00	18.75	18.75	
	159	11.00	14.00	17.00	18.75	18.75		11.00	14.00	17.00	18.75	18.75		11.00	14.00	17.00	18.75	18.75	
5 GHz WiFi 80 MHz Bandwidth	42	9.00	12.00	12.50	13.75	12.50	11.50	8.50	11.50	12.50	13.75	12.25	10.75	8.50	11.50	12.50	13.75	12.25	10.75
	58	NS	12.00	14.00	14.00	11.00	NS	11.50	14.00	14.00	13.50	11.00	NS	11.50	14.00	14.00	13.50	11.00	NS
	120	NS	13.00	14.75	15.50	13.00	NS	11.50	14.50	14.50	13.00	13.50	NS	11.50	14.75	15.50	13.00	13.50	NS
	122	NS	14.00	17.00	18.25	17.50	NS	11.50	14.50	16.50	18.25	11.00	NS	11.50	14.50	16.50	18.25	11.00	NS
	138	NS	14.00	17.00	16.25	17.25	18.25	NS	11.50	14.50	14.75	15.25	18.25	NS	11.50	14.50	14.75	15.25	18.25
	155	11.00	14.00	17.00	18.50	18.50	17.75	11.00	14.00	17.00	18.50	18.50	16.25	11.00	14.00	17.00	18.50	18.50	16.25
	156	NS	14.00	17.00	18.25	18.25	18.25	NS	11.50	14.50	16.50	18.25	18.25	NS	11.50	14.50	16.50	18.25	18.25
	157	NS	14.00	17.00	18.25	18.25	18.25	NS	11.50	14.50	16.50	18.25	18.25	NS	11.50	14.50	16.50	18.25	18.25

F.3 IEEE 802.11ax Measured Powers

Table F-1
Maximum 2.4 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 1

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)	Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	26T	0	12.22	2412	1	52T	37	15.45
			4	12.38				38	15.32
			8	12.46				40	14.90
2437	6	26T	0	12.14	2437	6	52T	37	15.22
			4	12.38				38	15.24
			8	12.42				40	15.16
2462	11	26T	0	12.18	2462	11	52T	37	14.78
			4	12.08				38	14.54
			8	12.08				40	14.18

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	106T	53	17.35
			54	17.38
2417	2	106T	53	17.67
			54	17.84
2437	6	106T	53	17.78
			54	18.15
2457	10	106T	53	18.08
			54	17.60
2462	11	106T	53	17.63
			54	17.01

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	242T	61	16.26
2432	5	242T	61	20.82
2437	6	242T	61	21.12
2462	11	242T	61	15.61

Table F-2
Maximum 2.4 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 2

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)	Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	26T	0	11.43	2412	1	52T	37	14.75
			4	12.12				38	15.24
			8	12.22				40	14.90
2437	6	26T	0	11.38	2437	6	52T	37	14.08
			4	12.08				38	14.78
			8	12.01				40	15.11
2462	11	26T	0	12.11	2462	11	52T	37	15.39
			4	11.59				38	15.03
			8	11.72				40	14.79

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	106T	53	16.51
			54	17.15
2417	2	106T	53	17.56
			54	17.93
2437	6	106T	53	18.03
			54	18.32
2457	10	106T	53	18.17
			54	17.55
2462	11	106T	53	17.96
			54	16.84

Freq [MHz]	Channel	Tones	RU Index	Avg Conducted Powers (dBm)
2412	1	242T	61	15.83
2432	5	242T	61	20.48
2437	6	242T	61	20.58
2462	11	242T	61	15.55

Table F-3
Maximum 5 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 1

20MHz BW								20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
													RU Index		
													37	39	40
20MHz BW	1	5180	36	26T	10.15	10.62	10.20	1	5180	36	52T	13.18	13.50	13.08	
		5200	40	26T	10.17	10.67	10.22		5200	40	52T	13.20	13.55	13.15	
		5220	44	26T	10.14	10.60	10.24		5220	44	52T	13.16	13.35	13.12	
		5240	48	26T	10.18	10.63	10.19		5240	48	52T	13.10	13.53	13.09	
	2A	5260	52	26T	10.15	10.62	10.20	5260	52	52T	13.13	13.55	13.30		
		5280	56	26T	10.17	10.67	10.22	5280	56	52T	13.18	13.53	13.28		
		5300	60	26T	10.14	10.60	10.24	5300	60	52T	13.09	13.34	13.30		
		5320	64	26T	10.18	10.63	10.19	5320	64	52T	13.08	13.49	13.30		
	2C	5500	100	26T	10.15	10.62	10.20	5500	100	52T	13.19	13.35	13.14		
		5600	120	26T	10.17	10.67	10.22	5600	120	52T	13.21	13.50	13.11		
		5620	124	26T	10.14	10.60	10.24	5580	124	52T	13.18	13.56	13.10		
		5720	144	26T	10.18	10.63	10.19	5720	144	52T	13.28	13.33	13.20		
3	5745	149	26T	10.45	10.93	10.22	5745	149	52T	13.39	13.96	13.75			
	5785	157	26T	10.42	10.92	10.36	5785	157	52T	13.68	13.90	13.85			
	5825	165	26T	10.44	10.85	10.42	5825	165	52T	13.73	13.89	13.91			
20MHz BW								20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
													RU Index		
													53	54	N/A
20MHz BW	1	5180	36	106T	16.05	16.17		1	5180	36	242T	15.10			
		5200	40	106T	16.07	16.24			5200	40	242T	17.42			
		5220	44	106T	16.17	16.22			5220	44	242T	17.51			
		5240	48	106T	16.03	16.21			5240	48	242T	17.48			
	2A	5260	52	106T	16.01	16.11		2A	5260	52	242T	17.47			
		5280	56	106T	16.07	16.17			5280	56	242T	17.64			
		5300	60	106T	16.09	16.10			5300	60	242T	17.34			
		5320	64	106T	16.14	16.09			5320	64	242T	17.35			
	2C	5500	100	106T	16.11	16.14		2C	5500	100	242T	14.57			
		5600	120	106T	16.05	16.10			5600	120	242T	17.09			
		5620	124	106T	16.13	16.17			5620	124	242T	16.9			
		5720	144	106T	16.04	16.15			5720	144	242T	16.95			
3	5745	149	106T	16.06	16.18		3	5745	149	242T	18.19				
	5785	157	106T	16.05	16.21			5785	157	242T	18.14				
	5825	165	106T	16.07	16.08			5825	165	242T	18.1				
40MHz BW								40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
													RU Index		
													37	40	44
40MHz BW	1	5190	38	26T	9.87	9.84	10.05	1	5190	38	52T	13.06	13.20	13.29	
		5230	46	26T	9.92	9.88	10.06		5230	46	52T	13.18	13.03	13.33	
	2A	5270	54	26T	9.85	9.80	10.02	2A	5270	54	52T	12.90	13.48	13.01	
		5310	62	26T	9.85	9.80	10.02		5310	62	52T	11.09	11.05	11.23	
	2C	5510	102	26T	9.85	9.80	10.02	2C	5510	102	52T	10.90	10.88	11.01	
		5590	118	26T	9.85	9.80	10.02		5590	118	52T	13.04	13.07	13.20	
		5630	126	26T	9.85	9.80	10.02		5630	126	52T	13.15	13.13	13.23	
	3	5710	142	26T	9.85	9.80	10.02	3	5710	142	52T	13.21	13.17	13.27	
5755		151	26T	9.85	9.80	10.02	5755		151	52T	13.05	13.13	13.17		
5795		159	26T	9.90	9.86	10.04	5795		159	52T	13.16	13.07	13.31		

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	54	56						61	62	N/A
	1	5190	38	106T	14.38	14.98	14.61		1	5190	38	242T	14.42	15.04	
		5230	46	106T	16.05	16.11	16.10			5230	46	242T	17.02	17.27	
	2A	5270	54	106T	16.06	16.57	16.40		2A	5270	54	242T	17.16	17.23	
		5310	62	106T	14.04	13.95	14.03			5310	62	242T	16.60	17.26	
	2C	5510	102	106T	14.12	14.34	14.88		2C	5510	102	242T	14.84	15.28	
		5590	118	106T	16.15	16.69	16.38			5590	118	242T	18.04	18.05	
		5670	126	106T	16.01	16.36	16.34			5670	126	242T	17.84	18.02	
		5710	142	106T	16.16	16.68	15.97			5710	142	242T	15.64	15.16	
	3	5755	151	106T	16.11	16.14	16.06		3	5755	151	242T	18.51	18.44	
		5795	159	106T	16.08	16.63	16.80			5795	159	242T	18.72	19.17	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					65	N/A	N/A						0	18	36
	1	5190	38	484T	12.29				1	5210	42	26T	7.91	8.75	8.62
		5230	46	484T	17.43										
	2A	5270	54	484T	17.77				2A	5290	58	106T	13.68	13.53	13.88
		5310	62	484T	13.76					5530	106	106T	13.13	13.67	14.43
	2C	5510	102	484T	12.53				2C	5610	122	106T	16.21	16.58	16.74
		5630	126	484T	17.80					5690	138	106T	16.02	16.13	16.43
		5670	134	484T	17.10										
		5710	142	484T	17.86				3	5775	155	106T	16.23	16.65	16.89
	3	5755	151	484T	18.42										
		5795	159	484T	18.82										

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					37	44	52						53	56	60
	1	5210	42	52T	10.80	11.55	11.71		1	5210	42	106T	11.98	12.44	12.46
	2A	5290	58	52T	10.73	11.15	11.48		2A	5290	58	106T	13.68	13.53	13.88
		5530	106	52T	10.38	11.04	11.72			5530	106	106T	13.13	13.67	14.43
	2C	5610	122	52T	13.63	13.53	13.77		2C	5610	122	106T	16.21	16.58	16.74
		5690	138	52T	13.21	13.96	12.82			5690	138	106T	16.02	16.13	16.43
	3	5775	155	52T	13.20	13.11	13.89		3	5775	155	106T	16.23	16.65	16.89

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					61	62	64						65	66	N/A
	1	5210	42	242T	13.26	13.68	13.62		1	5210	42	484T	11.32	12.06	
	2A	5290	58	242T	13.41	13.66	13.78		2A	5290	58	484T	13.18	13.41	
		5530	106	242T	14.15	14.62	14.95			5530	106	484T	12.72	12.86	
	2C	5610	122	242T	18.02	18.32	18.01		2C	5610	122	484T	18.03	18.17	
		5690	138	242T	15.70	16.23	15.36			5690	138	484T	17.04	16.72	
	3	5775	155	242T	18.18	18.46	18.42		3	5775	155	484T	18.12	18.32	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					67	N/A	N/A						RU Index		
	1	5210	42	996T	10.37				1	5210	42	996T	10.37		
	2A	5290	58	996T	10.56				2A	5290	58	996T	10.56		
		5530	106	996T	12.98					5530	106	996T	12.98		
	2C	5610	122	996T	17.37				2C	5610	122	996T	17.37		
		5690	138	996T	17.86					5690	138	996T	17.86		
	3	5775	155	996T	16.08				3	5775	155	996T	16.08		

Table F-4
Maximum 5 GHz 802.11ax RU Time-Averaged WLAN Output Power – Ant 2

20MHz BW								20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
													RU Index		
													37	39	40
20MHz BW	1	5180	36	26T	10.13	10.65	10.20	1	5180	36	52T	13.04	13.41	13.03	
		5200	40	26T	10.16	10.54	10.18		5200	40	52T	13.02	13.34	13.00	
		5220	44	26T	10.12	10.66	10.22		5220	44	52T	13.01	13.40	13.05	
		5240	48	26T	10.08	10.63	10.13		5240	48	52T	13.11	13.38	13.18	
	2A	5260	52	26T	10.18	10.67	10.17	2A	5260	52	52T	13.08	13.32	13.05	
		5280	56	26T	10.14	10.70	10.13		5280	56	52T	13.00	13.47	13.14	
		5300	60	26T	10.14	10.70	10.13		5300	60	52T	13.01	13.34	13.07	
		5320	64	26T	10.04	10.61	10.10		5320	64	52T	13.07	13.42	13.09	
	2C	5500	100	26T	10.13	10.65	10.20	2C	5500	100	52T	13.14	13.40	13.12	
		5600	120	26T	10.16	10.54	10.18		5600	120	52T	13.10	13.37	13.07	
		5580	124	26T	10.12	10.66	10.22		5580	124	52T	13.02	13.38	13.13	
		5720	144	26T	10.08	10.63	10.13		5720	144	52T	13.05	13.34	13.02	
3	5745	149	26T	10.18	10.67	10.17	3	5745	149	52T	13.08	13.44	13.04		
	5785	157	26T	10.14	10.70	10.13		5785	157	52T	13.00	13.35	13.08		
	5825	165	26T	10.04	10.61	10.10		5825	165	52T	13.11	13.31	13.18		

20MHz BW								20MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
													RU Index		
													53	54	N/A
20MHz BW	1	5180	36	106T	16.15	16.24		1	5180	36	242T	15.10			
		5200	40	106T	16.25	16.20			5200	40	242T	17.50			
		5220	44	106T	16.17	16.18			5200	44	242T	17.65			
		5240	48	106T	16.14	16.30			5240	48	242T	17.60			
	2A	5260	52	106T	16.24	16.22		2A	5260	52	242T	16.98			
		5280	56	106T	16.18	16.15			5260	56	242T	17.00			
		5300	60	106T	16.20	16.28			5300	60	242T	16.95			
		5320	64	106T	16.30	16.30			5320	64	242T	16.90			
	2C	5500	100	106T	16.20	16.31		2C	5500	100	242T	14.42			
		5600	120	106T	16.28	16.30			5600	120	242T	16.90			
		5620	124	106T	16.17	16.32			5620	124	242T	16.80			
		5720	144	106T	16.14	16.31			5720	144	242T	16.85			
3	5745	149	106T	16.27	16.30		3	5745	149	242T	18.18				
	5785	157	106T	16.30	16.32			5785	157	242T	18.13				
	5825	165	106T	16.29	16.31			5825	165	242T	18.20				

40MHz BW								40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
													RU Index		
													37	40	44
40MHz BW	1	5190	38	26T	9.98	9.94	10.04	1	5190	38	52T	13.05	13.12	13.22	
		5230	46	26T	10.00	9.88	10.07		5230	46	52T	13.20	13.02	13.18	
	2A	5270	54	26T	10.01	9.92	10.05	2A	5270	54	52T	13.14	13.75	13.30	
		5310	62	26T	9.97	9.90	10.02		5310	62	52T	10.95	10.87	10.99	
	2C	5510	102	26T	9.98	9.94	10.04	2C	5510	102	52T	10.93	10.85	11.00	
		5590	118	26T	10.00	9.88	10.07		5590	118	52T	13.08	13.15	13.23	
		5630	126	26T	10.01	9.92	10.05		5630	126	52T	13.17	13.12	13.21	
		5710	142	26T	9.97	9.90	10.02		5710	142	52T	13.18	13.10	13.19	
	3	5755	151	26T	10.01	9.92	10.05	3	5755	151	52T	13.14	13.04	13.17	
		5795	159	26T	9.97	9.90	10.02		5795	159	52T	13.11	12.99	13.12	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					53	54	56						61	62	N/A
	1	5190	38	106T	14.42	15.04	14.57		1	5190	38	242T	14.30	14.80	
5230		46	106T	16.20	16.65	16.45	5230	46		242T	17.55	17.90			
2A	5270	54	106T	15.75	16.19	16.00	2A	5270	54	242T	16.83	16.79			
	5310	62	106T	14.28	14.57	14.40		5310	62	242T	16.42	16.70			
2C	5510	102	106T	14.24	14.60	14.54	2C	5510	102	242T	15.10	15.40			
	5590	118	106T	16.40	16.90	16.17		5590	118	242T	17.96	17.68			
	5670	126	106T	16.15	16.50	16.15		5630	126	242T	17.48	17.59			
	5710	142	106T	16.14	16.85	15.98		5710	142	242T	15.68	15.36			
3	5755	151	106T	16.82	16.87	16.49	3	5755	151	242T	17.80	17.50			
	5795	159	106T	15.95	16.26	16.67		5795	159	242T	17.90	18.31			

40MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					65	N/A	N/A						0	18	36
	1	5190	38	484T	11.50				1	5210	42	26T	8.02	8.88	8.90
5230		46	484T	17.90			5210	42		26T	8.02	8.88	8.90		
2A	5270	54	484T	16.67			2A	5290	58	106T	13.07	13.13	13.86		
	5310	62	484T	14.00				5290	58	106T	13.07	13.13	13.86		
2C	5510	102	484T	12.85			2C	5530	106	106T	13.77	14.20	14.65		
	5630	126	484T	17.10				5610	122	106T	16.35	16.51	16.08		
	5670	134	484T	17.20				5690	138	106T	16.10	16.81	15.74		
	5710	142	484T	16.95				5690	138	106T	16.10	16.81	15.74		
3	5755	151	484T	17.88			3	5775	155	106T	16.45	16.07	16.94		
	5795	159	484T	18.25				5775	155	106T	16.45	16.07	16.94		

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					37	44	52						53	56	60
	1	5210	42	52T	11.10	11.70	11.80		1	5210	42	106T	11.78	12.28	12.38
2A	5290	58	52T	11.13	11.48	11.11	2A	5290	58	106T	13.07	13.13	13.86		
	5530	106	52T	10.95	11.20	11.95		5530	106	106T	13.77	14.20	14.65		
2C	5610	122	52T	13.30	13.80	13.01	2C	5610	122	106T	16.35	16.51	16.08		
	5690	138	52T	13.20	13.92	13.00		5690	138	106T	16.10	16.81	15.74		
3	5775	155	52T	13.00	12.75	13.30	3	5775	155	106T	16.45	16.07	16.94		

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					61	62	64						65	66	N/A
	1	5210	42	242T	12.77	13.40	13.60		1	5210	42	484T	11.38	12.10	
2A	5290	58	242T	13.00	13.07	13.21	2A	5290	58	484T	12.60	12.70			
	5530	106	242T	14.01	14.20	14.94		5530	106	484T	12.25	12.97			
2C	5610	122	242T	17.34	17.56	18.05	2C	5610	122	484T	17.75	17.66			
	5690	138	242T	15.77	15.11	15.19		5690	138	484T	16.87	16.48			
3	5775	155	242T	17.62	17.50	17.89	3	5775	155	484T	17.77	18.04			

80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)			80MHz BW	Band	Freq [MHz]	Channel	Tones	Avg Conducted Power (dBm)		
					RU Index								RU Index		
					67	N/A	N/A						RU Index		
	1	5210	42	996T	10.15				1	5210	42	996T	10.15		
2A	5290	58	996T	10.40			2A	5290	58	996T	10.40				
	5530	106	996T	12.86				5530	106	996T	12.86				
2C	5610	122	996T	17.04			2C	5610	122	996T	17.04				
	5690	138	996T	17.08				5690	138	996T	17.08				
3	5775	155	996T	15.66			3	5775	155	996T	15.66				