

Appendix E. Maximum Target Conducted Power

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

Note: (2G)

1. SAR testing was performed on the maximum frame-averaged power mode.
2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

$$\text{Frame-averaged power} = 10 \times \log (\text{Burst-averaged power mW} \times \text{Slot used} / 8)$$

Laptop		WLAN Tune-up Power (P-Sensor Off)					
UNII-5							
Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	1	5945	5.5	5.5	2.5	2.5	5.5
	5	5965	5.5	5.5	2.5	2.5	5.5
	9	5985	5.5	5.5	2.5	2.5	5.5
	13	6005	5.5	5.5	2.5	2.5	5.5
	17	6025	5.5	5.5	2.5	2.5	5.5
	21	6045	5.5	5.5	2.5	2.5	5.5
	25	6065	5.5	5.5	2.5	2.5	5.5
	29	6085	5.5	5.5	2.5	2.5	5.5
	33	6105	5.5	5.5	2.5	2.5	5.5
	37	6125	5.5	5.5	2.5	2.5	5.5
	41	6145	5.5	5.5	2.5	2.5	5.5
	45	6165	5.5	5.5	2.5	2.5	5.5
	49	6185	5.5	5.5	2.5	2.5	5.5
	53	6205	5.5	5.5	2.5	2.5	5.5
	57	6225	5.5	5.5	2.5	2.5	5.5
	61	6245	5.5	5.5	2.5	2.5	5.5
	65	6265	5.5	5.5	2.5	2.5	5.5
	69	6285	5.5	5.5	2.5	2.5	5.5
	73	6305	5.5	5.5	2.5	2.5	5.5
	77	6325	5.5	5.5	2.5	2.5	5.5
81	6345	5.5	5.5	2.5	2.5	5.5	
85	6365	5.5	5.5	2.5	2.5	5.5	
89	6385	5.5	5.5	2.5	2.5	5.5	
93	6405	5.5	5.5	2.5	2.5	5.5	
802.11an/ax 40	3	5955	8.5	8.5	5.5	5.5	8.5
	11	5995	8.5	8.5	5.5	5.5	8.5
	19	6035	8.5	8.5	5.5	5.5	8.5
	27	6075	8.5	8.5	5.5	5.5	8.5
	35	6115	8.5	8.5	5.5	5.5	8.5
	43	6155	8.5	8.5	5.5	5.5	8.5
	51	6195	8.5	8.5	5.5	5.5	8.5
	59	6235	8.5	8.5	5.5	5.5	8.5
	67	6275	8.5	8.5	5.5	5.5	8.5
	75	6315	8.5	8.5	5.5	5.5	8.5
83	6355	8.5	8.5	5.5	5.5	8.5	
91	6395	8.5	8.5	5.5	5.5	8.5	
802.11an/ax 80	7	5975	11.0	11.0	8.0	8.0	11.0
	23	6055	11.0	11.0	8.0	8.0	11.0
	39	6135	11.0	11.0	8.0	8.0	11.0
	55	6215	11.0	11.0	8.0	8.0	11.0
	71	6295	11.0	11.0	8.0	8.0	11.0
	87	6375	11.0	11.0	8.0	8.0	11.0
802.11an/ax 160	15	6015	13.5	13.5	10.5	10.5	13.5
	47	6175	13.5	13.5	10.5	10.5	13.5
	79	6335	13.5	13.5	10.5	10.5	13.5

WLAN Tune-up Power (P-Sensor Off)

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Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	97	6425	5.5	5.5	2.5	2.5	5.5
	101	6445	5.5	5.5	2.5	2.5	5.5
	105	6465	5.5	5.5	2.5	2.5	5.5
	109	6485	5.5	5.5	2.5	2.5	5.5
	113	6505	5.5	5.5	2.5	2.5	5.5
	117	6525	5.5	5.5	2.5	2.5	5.5
802.11an/ax 40	99	6435	8.5	8.5	5.5	5.5	8.5
	107	6475	8.5	8.5	5.5	5.5	8.5
	115	6515	8.5	8.5	5.5	5.5	8.5
802.11an/ax 80	103	6455	11.0	11.0	8.0	8.0	11.0
	119	6535	11.0	11.0	8.0	8.0	11.0
802.11an/ax 160	111	6495	13.5	13.5	10.5	10.5	13.5

WLAN Tune-up Power (P-Sensor Off)

UNII-7

Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	121	6545	5.5	5.5	2.5	2.5	5.5
	125	6565	5.5	5.5	2.5	2.5	5.5
	129	6585	5.5	5.5	2.5	2.5	5.5
	133	6605	5.5	5.5	2.5	2.5	5.5
	137	6625	5.5	5.5	2.5	2.5	5.5
	141	6645	5.5	5.5	2.5	2.5	5.5
	145	6665	5.5	5.5	2.5	2.5	5.5
	149	6685	5.5	5.5	2.5	2.5	5.5
	153	6705	5.5	5.5	2.5	2.5	5.5
	157	6725	5.5	5.5	2.5	2.5	5.5
	161	6745	5.5	5.5	2.5	2.5	5.5
	165	6765	5.5	5.5	2.5	2.5	5.5
	169	6785	5.5	5.5	2.5	2.5	5.5
	173	6805	5.5	5.5	2.5	2.5	5.5
	177	6825	5.5	5.5	2.5	2.5	5.5
802.11an/ax 40	181	6845	5.5	5.5	2.5	2.5	5.5
	185	6865	5.5	5.5	2.5	2.5	5.5
	123	6555	8.5	8.5	5.5	5.5	8.5
	131	6595	8.5	8.5	5.5	5.5	8.5
	139	6635	8.5	8.5	5.5	5.5	8.5
	147	6675	8.5	8.5	5.5	5.5	8.5
	155	6715	8.5	8.5	5.5	5.5	8.5
	163	6755	8.5	8.5	5.5	5.5	8.5
	171	6795	8.5	8.5	5.5	5.5	8.5
179	6835	8.5	8.5	5.5	5.5	8.5	
802.11an/ax 80	187	6875	8.5	8.5	5.5	5.5	8.5
	135	6615	11.0	11.0	8.0	8.0	11.0
	151	6695	11.0	11.0	8.0	8.0	11.0
	167	6775	11.0	11.0	8.0	8.0	11.0
802.11an/ax 160	183	6855	11.0	11.0	8.0	8.0	11.0
	143	6655	13.5	13.5	10.5	10.5	13.5
	175	6815	13.5	13.5	10.5	10.5	13.5

WLAN Tune-up Power (P-Sensor Off)

UNII-8

Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	189	6885	5.5	5.5	2.5	2.5	5.5
	193	6905	5.5	5.5	2.5	2.5	5.5
	197	6925	5.5	5.5	2.5	2.5	5.5
	201	6945	5.5	5.5	2.5	2.5	5.5
	205	6965	5.5	5.5	2.5	2.5	5.5
	209	6985	5.5	5.5	2.5	2.5	5.5
	213	7005	5.5	5.5	2.5	2.5	5.5
	217	7025	5.5	5.5	2.5	2.5	5.5
	221	7045	5.5	5.5	2.5	2.5	5.5
	225	7065	5.5	5.5	2.5	2.5	5.5
	229	7085	5.5	5.5	2.5	2.5	5.5
233	7105	5.5	5.5	2.5	2.5	5.5	
802.11an/ax 40	195	6915	8.5	8.5	5.5	5.5	8.5
	203	6955	8.5	8.5	5.5	5.5	8.5
	211	6995	8.5	8.5	5.5	5.5	8.5
	219	7035	8.5	8.5	5.5	5.5	8.5
	227	7075	8.5	8.5	5.5	5.5	8.5
802.11an/ax 80	199	6935	11.0	11.0	8.0	8.0	11.0
	215	7015	11.0	11.0	8.0	8.0	11.0
802.11an/ax 160	207	6975	13.5	13.5	10.5	10.5	13.5

WLAN Tune-up Power (P-Sensor On)							
UNII-5							
Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	1	5945	5.5	5.5	2.5	2.5	5.5
	5	5965	5.5	5.5	2.5	2.5	5.5
	9	5985	5.5	5.5	2.5	2.5	5.5
	13	6005	5.5	5.5	2.5	2.5	5.5
	17	6025	5.5	5.5	2.5	2.5	5.5
	21	6045	5.5	5.5	2.5	2.5	5.5
	25	6065	5.5	5.5	2.5	2.5	5.5
	29	6085	5.5	5.5	2.5	2.5	5.5
	33	6105	5.5	5.5	2.5	2.5	5.5
	37	6125	5.5	5.5	2.5	2.5	5.5
	41	6145	5.5	5.5	2.5	2.5	5.5
	45	6165	5.5	5.5	2.5	2.5	5.5
	49	6185	5.5	5.5	2.5	2.5	5.5
	53	6205	5.5	5.5	2.5	2.5	5.5
	57	6225	5.5	5.5	2.5	2.5	5.5
	61	6245	5.5	5.5	2.5	2.5	5.5
	65	6265	5.5	5.5	2.5	2.5	5.5
	69	6285	5.5	5.5	2.5	2.5	5.5
	73	6305	5.5	5.5	2.5	2.5	5.5
	77	6325	5.5	5.5	2.5	2.5	5.5
81	6345	5.5	5.5	2.5	2.5	5.5	
85	6365	5.5	5.5	2.5	2.5	5.5	
89	6385	5.5	5.5	2.5	2.5	5.5	
93	6405	5.5	5.5	2.5	2.5	5.5	
802.11an/ax 40	3	5955	8.5	8.5	5.5	5.5	8.5
	11	5995	8.5	8.5	5.5	5.5	8.5
	19	6035	8.5	8.5	5.5	5.5	8.5
	27	6075	8.5	8.5	5.5	5.5	8.5
	35	6115	8.5	8.5	5.5	5.5	8.5
	43	6155	8.5	8.5	5.5	5.5	8.5
	51	6195	8.5	8.5	5.5	5.5	8.5
	59	6235	8.5	8.5	5.5	5.5	8.5
	67	6275	8.5	8.5	5.5	5.5	8.5
	75	6315	8.5	8.5	5.5	5.5	8.5
	83	6355	8.5	8.5	5.5	5.5	8.5
91	6395	8.5	8.5	5.5	5.5	8.5	
802.11an/ax 80	7	5975	10.5	10.5	8.0	8.0	11.0
	23	6055	10.5	10.5	8.0	8.0	11.0
	39	6135	10.5	10.5	8.0	8.0	11.0
	55	6215	10.5	10.5	8.0	8.0	11.0
	71	6295	10.5	10.5	8.0	8.0	11.0
	87	6375	10.5	10.5	8.0	8.0	11.0
802.11an/ax 160	15	6015	10.5	10.5	10.5	10.5	13.5
	47	6175	10.5	10.5	10.5	10.5	13.5
	79	6335	10.5	10.5	10.5	10.5	13.5

WLAN Tune-up Power (P-Sensor On)

UNII-6

Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	97	6425	5.5	5.5	2.5	2.5	5.5
	101	6445	5.5	5.5	2.5	2.5	5.5
	105	6465	5.5	5.5	2.5	2.5	5.5
	109	6485	5.5	5.5	2.5	2.5	5.5
	113	6505	5.5	5.5	2.5	2.5	5.5
	117	6525	5.5	5.5	2.5	2.5	5.5
802.11an/ax 40	99	6435	8.5	8.5	5.5	5.5	8.5
	107	6475	8.5	8.5	5.5	5.5	8.5
	115	6515	8.5	8.5	5.5	5.5	8.5
802.11an/ax 80	103	6455	9.0	9.0	8.0	8.0	11.0
	119	6535	9.0	9.0	8.0	8.0	11.0
802.11an/ax 160	111	6495	9.0	9.0	9.0	9.0	12.0

WLAN Tune-up Power (P-Sensor On)

UNII-7

Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	121	6545	5.5	5.5	2.5	2.5	5.5
	125	6565	5.5	5.5	2.5	2.5	5.5
	129	6585	5.5	5.5	2.5	2.5	5.5
	133	6605	5.5	5.5	2.5	2.5	5.5
	137	6625	5.5	5.5	2.5	2.5	5.5
	141	6645	5.5	5.5	2.5	2.5	5.5
	145	6665	5.5	5.5	2.5	2.5	5.5
	149	6685	5.5	5.5	2.5	2.5	5.5
	153	6705	5.5	5.5	2.5	2.5	5.5
	157	6725	5.5	5.5	2.5	2.5	5.5
	161	6745	5.5	5.5	2.5	2.5	5.5
	165	6765	5.5	5.5	2.5	2.5	5.5
	169	6785	5.5	5.5	2.5	2.5	5.5
	173	6805	5.5	5.5	2.5	2.5	5.5
	177	6825	5.5	5.5	2.5	2.5	5.5
	181	6845	5.5	5.5	2.5	2.5	5.5
185	6865	5.5	5.5	2.5	2.5	5.5	
802.11an/ax 40	123	6555	8.5	8.5	5.5	5.5	8.5
	131	6595	8.5	8.5	5.5	5.5	8.5
	139	6635	8.5	8.5	5.5	5.5	8.5
	147	6675	8.5	8.5	5.5	5.5	8.5
	155	6715	8.5	8.5	5.5	5.5	8.5
	163	6755	8.5	8.5	5.5	5.5	8.5
	171	6795	8.5	8.5	5.5	5.5	8.5
	179	6835	8.5	8.5	5.5	5.5	8.5
187	6875	8.5	8.5	5.5	5.5	8.5	
802.11an/ax 80	135	6615	9.0	9.0	8.0	8.0	11.0
	151	6695	9.0	9.0	8.0	8.0	11.0
	167	6775	9.0	9.0	8.0	8.0	11.0
	183	6855	9.0	9.0	8.0	8.0	11.0
802.11an/ax 160	143	6655	9.0	9.0	9.0	9.0	12.0
	175	6815	9.0	9.0	9.0	9.0	12.0

WLAN Tune-up Power (P-Sensor On)

UNII-8

Mode	Channel	Frequency	SISO Ant 0	SISO Ant 1	MIMO Ant 0	MIMO Ant 1	MIMO Ant 0+1
802.11a/an/ax 20	189	6885	5.5	5.5	2.5	2.5	5.5
	193	6905	5.5	5.5	2.5	2.5	5.5
	197	6925	5.5	5.5	2.5	2.5	5.5
	201	6945	5.5	5.5	2.5	2.5	5.5
	205	6965	5.5	5.5	2.5	2.5	5.5
	209	6985	5.5	5.5	2.5	2.5	5.5
	213	7005	5.5	5.5	2.5	2.5	5.5
	217	7025	5.5	5.5	2.5	2.5	5.5
	221	7045	5.5	5.5	2.5	2.5	5.5
	225	7065	5.5	5.5	2.5	2.5	5.5
	229	7085	5.5	5.5	2.5	2.5	5.5
802.11an/ax 40	233	7105	5.5	5.5	2.5	2.5	5.5
	195	6915	8.5	8.5	5.5	5.5	8.5
	203	6955	8.5	8.5	5.5	5.5	8.5
	211	6995	8.5	8.5	5.5	5.5	8.5
	219	7035	8.5	8.5	5.5	5.5	8.5
802.11an/ax 80	227	7075	8.5	8.5	5.5	5.5	8.5
	199	6935	10.0	10.0	8.0	8.0	11.0
802.11an/ax 160	215	7015	10.0	10.0	8.0	8.0	11.0
	207	6975	10.0	10.0	10.0	10.0	13.0