

Appendix F. Power Validation

The device supports sensor detection and operates at different output power in different EUT modes. The details of the modes are in the operational description. Power validation was performed at high power and reduced power modes. All measurements are within the tune-up tolerances.

Mode 2	Chain	Freq(MHz)	Target Power (dBm)	Tune-up Limit (dBm)	Declared Power Range (dBm)	Measured Power (dBm)	Mode 1	Chain	Freq(MHz)	Target Power (dBm)	Tune-up Limit (dBm)	Declared Power Range (dBm)	Measured Power (dBm)
802.11b 1Mbps	A	2437	19.8	21	18.6-21	19.9	802.11b 1Mbps	A	2437	17.8	19	16.6-19	18.9
802.11b 1Mbps	B	2437	19.8	21	18.6-21	18.9	802.11b 1Mbps	B	2437	18.8	19.75	17.35-19.75	17.9
802.11g 6Mbps	A	2437	19.8	20.5	18.1-20.5	18.8	802.11g 6Mbps	A	2437	17.8	19	16.6-19	18.8
802.11g 6Mbps	B	2437	19.8	20.5	18.1-20.5	18.7	802.11g 6Mbps	B	2437	18.8	19.75	17.35-19.75	18.7
5.3G													
802.11n-HT40 MCS0	A	5270	18.8	20	17.6-20	19.11	802.11n-HT40 MCS0	A	5270	16.8	17	14.6-17	15.93
802.11n-HT40 MCS0	B	5270	18.8	20	17.6-20	17.77	802.11n-HT40 MCS0	B	5270	15.8	17	14.6-17	14.95
802.11a 6Mbps	A	5260	17.8	19	16.6-19	17.83	802.11a 6Mbps	A	5260	16.8	17	14.6-17	15.66
802.11a 6Mbps	B	5260	17.8	19	16.6-19	17.69	802.11a 6Mbps	B	5260	15.8	17	14.6-17	15.62
5.5G													
802.11ax-HE20 MCS0	A	5580	18.05	21	18.6 - 21	19.03	802.11ac-VHT80 MCS0	A	5610	16.3	17.25	14.85 - 17.25	15.1
802.11ax-HE20 MCS0	B	5580	18.05	21	18.6 - 21	18.94	802.11ac-VHT80 MCS0	B	5610	15.3	16.25	13.85 - 16.25	14.49
802.11a 6Mbps	A	5580	18.8	20	17.6-20	17.6	802.11a 6Mbps	A	5580	16.3	17.25	14.85 - 17.25	16.44
802.11a 6Mbps	B	5580	18.8	20	17.6-20	17.92	802.11a 6Mbps	B	5580	15.3	16.25	13.85 - 16.25	14.8
5.8G													
802.11ax-HE20 MCS0	A	5785	18.05	20	17.6- 20	17.65	802.11n-HT40 MCS0	A	5755	15.8	16.75	14.35-16.75	14.9
802.11ax-HE20 MCS0	B	5785	18.05	20	17.6- 20	17.63	802.11n-HT40 MCS0	B	5755	15.3	16.5	14.1-16.5	14.57
802.11a 6Mbps	A	5785	17.8	19	16.6-19	17.38	802.11a 6Mbps	A	5745	15.8	16.75	14.35-16.75	15.43
802.11a 6Mbps	B	5785	17.8	19	16.6-19	18.16	802.11a 6Mbps	B	5745	15.3	16.5	14.1-16.5	15.27
5.9G													
802.11ax-HE20 MCS0	A	5845	18.8	21	18.6-21	18.83	802.11ac-VHT160 MCS0	A	5815	15.3	16.5	14.1-16.5	14.36
802.11ax-HE20 MCS0	B	5845	18.8	21	18.6-21	18.66	802.11ac-VHT160 MCS0	B	5815	14.3	15.5	13.1-15.5	15.28
802.11a 6Mbps	A	5845	18.8	20	17.6-20	17.9	802.11a 6Mbps	A	5845	14.8	16	13.6-16	15.31
802.11a 6Mbps	B	5845	18.8	20	17.6-20	18.02	802.11a 6Mbps	B	5845	14.3	15.5	13.1-15.5	15.47