

1.3. Calculated Result and Limit

For 5GHz UNII Band:

<For External Antenna / Ant. 5>

Antenna Type : Directional Antenna

Max Conducted Power for IEEE 802.11n MCS8 40MHz / Connector J2 + J3 + J4: 16.74dBm

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.2	2.6303	16.7352	47.1543	0.006172	1	Complies

<For External Antenna / Ant. 6>

Antenna Type : Omni Antenna

Max Conducted Power for IEEE 802.11n MCS8 40MHz / Connector J2 + J3 + J4: 16.74dBm

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.7	1.8621	16.7352	47.1543	0.004369	1	Complies

<For Internal Antenna / Ant. 8>

Antenna Type : Embedded Antenna

Max Conducted Power for IEEE 802.11n MCS8 40MHz / Connector J2 + J3 + J4: 16.88dBm

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.50	2.8184	16.8844	48.8021	0.006844	1	Complies