

# Antenna Gains

Model(s): A3082

## Wi-Fi/BT Antenna Gain:

### 1. Wi-Fi/BT 2.4GHz/ 802.15.4 (**ANT 4**); Type: IFA

| Band   | Frequency (MHz) | Peak Gain (Horizontal/Vertical) (dBi) |
|--------|-----------------|---------------------------------------|
| 2.4GHz | 2412            | -0.1                                  |
|        | 2442            | -0.4                                  |
|        | 2472            | -0.5                                  |

### 2. Wi-Fi/BT 2.4GHz/ 802.15.4 (**ANT 3**); Type: IFA

| Band   | Frequency (MHz) | Peak Gain (Horizontal/Vertical) (dBi) |
|--------|-----------------|---------------------------------------|
| 2.4GHz | 2412            | -1.1                                  |
|        | 2442            | -0.6                                  |
|        | 2472            | -1.0                                  |

### 3. Wi-Fi [5GHz/6GHz] / NB UNII/ 802.15.4ab-NB (**ANT 6**); Type: IFA

| Band     | Frequency (MHz) | Peak Gain (Horizontal/Vertical) (dBi) |
|----------|-----------------|---------------------------------------|
| U-NII-1  | 5180            | -3.5                                  |
| U-NII-2A | 5260            | -3.0                                  |
|          | 5320            | -2.4                                  |
| U-NII-2C | 5500            | -0.9                                  |
|          | 5600            | 0.0                                   |
|          | 5700            | -1.0                                  |
| U-NII-3  | 5745            | -0.9                                  |
|          | 5785            | -1.2                                  |
|          | 5825            | -1.3                                  |
| U-NII-5  | 5955            | -1.5                                  |
|          | 6075            | -1.1                                  |
|          | 6135            | -1.2                                  |
|          | 6255            | 0.1                                   |
|          | 6375            | -0.9                                  |
| U-NII-6  | 6435            | -0.6                                  |
| U-NII-7  | 6555            | -1.0                                  |

| Band    | Frequency (MHz) | Peak Gain (Horizontal/Vertical) (dBi) |
|---------|-----------------|---------------------------------------|
|         | 6675            | -0.3                                  |
|         | 6735            | 0.3                                   |
|         | 6855            | -0.4                                  |
| U-NII-8 | 6975            | -1.3                                  |
|         | 7035            | -1.8                                  |
|         | 7115            | -2.2                                  |

4. Wi-Fi [5GHz/6GHz] / NB UNII/ 802.15.4ab-NB Antenna Gain (**ANT 5**);  
Type: IFA

| Band     | Frequency (MHz) | Peak Gain (Horizontal/Vertical) (dBi) |
|----------|-----------------|---------------------------------------|
| U-NII-1  | 5180            | -4.7                                  |
| U-NII-2A | 5260            | -4.3                                  |
|          | 5320            | -3.7                                  |
| U-NII-2C | 5500            | -3.5                                  |
|          | 5600            | -3.8                                  |
|          | 5700            | -3.4                                  |
| U-NII-3  | 5745            | -3.9                                  |
|          | 5785            | -3.3                                  |
|          | 5825            | -3.3                                  |
| U-NII-5  | 5955            | -3.5                                  |
|          | 6075            | -3.3                                  |
|          | 6135            | -2.7                                  |
|          | 6255            | -3.3                                  |
|          | 6375            | -3.8                                  |
| U-NII-6  | 6435            | -3.5                                  |
| U-NII-7  | 6555            | -3.9                                  |
|          | 6675            | -4.4                                  |
|          | 6735            | -4.3                                  |
|          | 6855            | -5.4                                  |
| U-NII-8  | 6975            | -4.5                                  |
|          | 7035            | -3.8                                  |
|          | 7115            | -3.0                                  |