

# Antenna Gains

Model(s): A3289, A3290, A3291

## 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	-1.1
U-NII-2A	5260	-1.8
	5320	-1.8
U-NII-2C	5500	-1.7
	5600	-1.4
	5700	-0.7
U-NII-3	5745	-0.6
	5785	-0.4
	5825	-0.4
U-NII-5	5955	0.3
	6075	0.2
	6135	0.4
	6255	0.2
	6375	-0.2
U-NII-6	6435	0.3
U-NII-7	6555	0.4

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
	6675	1.3
	6735	1.8
	6855	1.2
U-NII-8	6975	-0.1
	7035	-0.4
	7115	-1.0

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