

# Antenna Gains

## Model(s): A3522

### Wi-Fi/BT Antenna Gain:

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

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
2.4GHz	2412	-4.7
	2442	-4.3
	2472	-3.8

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

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
2.4GHz	2412	-2.4
	2442	-2.2
	2472	-1.8

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

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
U-NII-1	5180	-2.9
U-NII-2A	5260	-2.0
	5320	-2.3
U-NII-2C	5500	-0.8
	5600	0.1
	5700	0.8
U-NII-3	5745	0.9
	5785	1.6
	5825	2.0
U-NII-5	5955	2.6
	6075	4.1
	6135	4.1
	6255	3.8
	6375	3.0
U-NII-6	6435	2.6
U-NII-7	6555	3.0

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
	6675	3.0
	6735	2.0
	6855	0.6
U-NII-8	6975	1.8
	7035	2.6
	7115	1.4

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

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
U-NII-1	5180	-6.2
U-NII-2A	5260	-7.3
	5320	-6.4
U-NII-2C	5500	-5.4
	5600	-5.1
	5700	-5.4
U-NII-3	5745	-7.3
	5785	-6.8
	5825	-6.4
U-NII-5	5955	-6.2
	6075	-4.9
	6135	-7.1
	6255	-6.6
	6375	-6.8
U-NII-6	6435	-6.5
U-NII-7	6555	-7.0
	6675	-7.0
	6735	-7.6
	6855	-8.1
U-NII-8	6975	-9.3
	7035	-9.5
	7115	-8.2