

Antenna Gains

Model(s): A3519, A3520, A3521

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	0.0
	2442	-0.4
	2472	-0.9

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

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
2.4GHz	2412	-3.5
	2442	-3.6
	2472	-4.1

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	-1.8
U-NII-2A	5260	-1.5
	5320	-1.6
U-NII-2C	5500	-1
	5600	-1.6
	5700	-2.6
U-NII-3	5745	-0.5
	5785	-0.7
	5825	-0.3
U-NII-5	5955	0.4
	6075	0.3
	6135	1.2
	6255	1.5
	6375	1.2
U-NII-6	6435	0.5
U-NII-7	6555	-0.2

Band	Frequency (MHz)	Peak Gain (Horizontal/Vertical) (dBi)
	6675	-0.6
	6735	-0.5
	6855	-0.1
U-NII-8	6975	-0.7
	7035	-1.2
	7115	-1.6

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	-4.1
U-NII-2A	5260	-3.6
	5320	-3.1
U-NII-2C	5500	-3.0
	5600	-3.3
	5700	-2.4
U-NII-3	5745	-2.2
	5785	-2.4
	5825	-2.7
U-NII-5	5955	-2.6
	6075	-2.4
	6135	-2.4
	6255	-3.1
	6375	-2.4
U-NII-6	6435	-2.0
U-NII-7	6555	-0.6
	6675	0.6
	6735	-0.4
	6855	-1.8
U-NII-8	6975	-2.6
	7035	-2.7
	7115	-2.8