

Antenna Gains

Model: A2435, A2761, A2762

WiFi/BT Antenna Gain:

1. WiFi/BT 2.4GHz (**ANT 4a**); Type: IFA

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
2412	0.7	0.6
2442	1.0	0.5
2472	1.6	1.7

2. WiFi/BT 2.4GHz (**ANT 2a**); Type: IFA

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
2412	1.2	0.9
2442	1.5	0.7
2472	2.2	1.2

3. WiFi [5GHz/6GHz] / NB UNII (**ANT 5b**); Type: Cavity Backed

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	3.7	1.0
5260	3.6	0.9
5320	3.4	1.0
5500	3.1	0.4
5600	3.3	-0.4
5700	3.5	0.2
5745	3.7	0.5

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5785	3.7	1.0
5825	4.0	1.8
5955	4.2	2.4
6075	3.9	1.9
6135	3.9	1.5
6255	4.1	1.9
6375	4.2	1.8
6435	4.3	2.0
6555	3.4	1.4
6675	4.2	2.8
6735	4.1	3.3
6855	4.7	2.4
6975	4.2	2.0
7035	4.1	2.4
7115	4.1	3.0

4. WiFi [5GHz/6GHz] / NB UNII (**ANT 4a**); Type: IFA

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	1.5	2.4
5260	1.4	2.3
5320	2.0	2.8
5500	0.1	0.7
5600	-0.5	-0.1
5700	-1.0	0.1
5745	-1.1	0.3
5785	-1.1	-0.2
5825	-2.1	-0.1

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5955	-4.0	-0.7
6075	-3.7	-0.9
6135	-2.3	-0.6
6255	-1.1	0.6
6375	-0.5	1.0
6435	-0.3	1.2
6555	-0.7	-0.3
6675	-1.9	-1.6
6735	-1.9	-1.5
6855	-2.4	-2.7
6975	-3.3	-4.8
7035	-4.9	-5.9
7115	-4.9	-6.2

Cellular Antenna Gain:

1. Cellular Antenna Gain (**ANT 1**); Type: IFA

Band	Horizontal (dBi)	Vertical (dBi)
B1	1.3	1.1
B2	1.5	1.3
B3	0.5	-0.5
B5	-3.1	-2.6
B7	-3.1	-0.3
B8	-1.7	-2.8
B11	-1.1	-4
B13	-1.5	-1.9
B17	-2.4	-1.9
B20	-3.4	-2.6
B21	-1.4	-3.9
B28	-2.5	-1.9
B30	-2.8	-2.1
B34	-3.1	-0.8
B39	1.5	0.8
B40	-2.6	-2.1
B41	-3.2	-0.4
B42	-1.2	-3.4
B48	-1.2	-3.5
B66	0.4	-0.9
B71	-1.9	-2.1
n41	-3.2	-0.4
n70	-1.6	-1.9
n77	-0.6	-2.6

Band	Horizontal (dBi)	Vertical (dBi)
n78	-2.9	-2.6
n79	0.1	-0.3

2. Cellular Antenna Gain (**ANT 3**); Type: IFA

Band	Horizontal (dBi)	Vertical (dBi)
B1	0.6	0.6
B2	1.4	0.5
B3	2.1	0.7
B5	-3.3	-1.3
B7	-3.1	-2.7
B8	-2.2	-3.2
B11	0.1	-2.3
B13	-2.7	-3
B17	-2.5	-2.3
B20	-2.6	-1.7
B21	0.2	-1.9
B28	-2.2	-1.1
B30	-4.1	-3.8
B34	-1.62	0.31
B39	1.4	0.6
B40	-5.5	-1.2
B41	-5.6	-2.7
B42	-1.5	-0.1
B48	-1.5	0
B66	2.3	0.8
B71	-3.1	-3.6

Band	Horizontal (dBi)	Vertical (dBi)
n41	-5.6	-2.7
n70	2	0.7
n77	-1.8	-0.1
n78	-1	0.6
n79	-2.9	-0.6

3. Cellular Antenna Gain (**ANT 4b**); Type: IFA

Band	Horizontal (dBi)	Vertical (dBi)
B1	-3.5	-1.3
B2	-3.4	-2.7
B3	-3.7	-3.2
B7	-1.5	0.2
B30	-2.6	-0.3
B39	-3.7	-3
B40	-2.6	0.3
B41	-1.9	-0.4
B42	-2.6	-1
B48	-2.5	-1.6
B66	-3.4	-3.1
n41	-1.9	-0.4
n70	-3.4	-3.1
n77	-1.5	-2.6
n78	-1.6	-2.6
n79	0.1	0.3

4. Cellular Antenna Gain (**ANT 2b**); Type: IFA

Band	Horizontal (dBi)	Vertical (dBi)
B1	-3.3	-2.9
B2	-4.9	-4
B3	-4.5	-5
B7	0	-0.1
B30	-0.6	0.7
B39	-4.7	-4.3
B40	-0.3	1.1
B41	-0.3	-0.8
B66	-4.6	-5.5
n41	-0.3	-0.8
n70	-4.9	-4.9

5. Cellular Antenna Gain (**ANT 2a**); Type: IFA

Band	Horizontal (dBi)	Vertical (dBi)
B42	2.2	1.9
B48	1.8	1.3
n77	-1.3	1.4
n78	-2.5	0.7
n79	-2	0.1