

Antenna Gains

Model: A2764, A2437, A2766

WiFi/BT Antenna Gain:

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

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
2412	0.8	0.9
2442	1.5	0.7
2472	1.8	1.4

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

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
2412	1.4	1.0
2442	1.6	0.6
2472	2.4	1.1

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

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	1.4	0.4
5260	1.3	0.5
5320	1.2	-0.3
5500	1.3	-0.7
5600	1.1	-1.0
5700	1.5	-0.5
5745	1.6	-0.7

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5785	1.7	-0.1
5825	2.1	0.3
5955	3.0	1.2
6075	3.9	1.1
6135	3.8	0.4
6255	4.1	0.5
6375	4.6	1.2
6435	4.3	1.5
6555	4.2	-0.2
6675	4.0	0.0
6735	4.0	1.2
6855	3.3	1.4
6975	2.3	0.3
7035	2.1	0.1
7115	2.3	1.0

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

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	-0.1	0.4
5260	-0.8	-0.6
5320	-1.5	-2.2
5500	-3.3	-3.3
5600	-2.7	-2.3
5700	-2.2	-2.0
5745	-1.8	-1.6
5785	-2.8	-1.5
5825	-2.3	-1.3

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5955	-1.5	0.1
6075	-1.5	1.7
6135	-1.0	1.3
6255	-1.5	-0.9
6375	-0.3	1.4
6435	0.5	1.8
6555	1.1	0.6
6675	0.6	0.0
6735	0.7	-0.8
6855	-1.0	-2.9
6975	-2.0	-4.5
7035	-3.3	-4.9
7115	-3.0	-5.1

Cellular Antenna Gain:

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	0	-0.8
B2	1.8	0.5
B3	1.7	0.6
B5	-2	-2.6
B7	-2.2	-0.7
B8	-0.7	-2
B11	0.8	-1.2
B13	-3.1	-3.2
B17	-3.8	-2.1
B20	-1.9	-2.6
B21	0.3	-1.1
B28	-3.5	-2.4
B30	-2.9	-0.5
B34	-0.3	-0.8
B39	1.5	-0.2
B40	-2.4	0.2
B41	-1.3	2
B42	-0.4	1.4
B48	-0.5	1.4
B66	1.8	0.8
B71	-0.4	0.3
n41	-1.3	2
n70	0.2	0.1
n77	0.7	1.1

Band	Horizontal (dBi)	Vertical (dBi)
n78	0.1	0.8
n79	-2.4	-3.6

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	0.2	-0.5
B2	0.7	-0.7
B3	1.1	0.5
B5	-2.7	-2.8
B7	-2.3	0
B8	-0.9	-2.3
B11	0.4	-1.7
B13	-3.5	-2.9
B17	-3.5	-1.5
B20	-2.1	-2.6
B21	-0.1	-2
B28	-3.1	-1.3
B30	-4	-2.5
B34	-0.6	-1.1
B39	0.6	-0.8
B40	-3.7	-1.4
B41	-1.9	1.2
B42	0.2	2.3
B48	0.1	2.3
B66	1.7	1.7
B71	-2.4	-1.5

Band	Horizontal (dBi)	Vertical (dBi)
n41	-1.9	1.2
n70	1.7	1.7
n77	-0.3	-0.4
n78	-0.5	-0.5
n79	-1.3	-2.6

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	-2.8	-0.1
B2	-3.3	-1
B3	-4.7	-4.2
B7	-1.7	-0.8
B30	-2.4	0.5
B39	-3.1	-0.7
B40	-2.3	0.5
B41	-2	-1.1
B42	-1.4	-0.1
B48	-1.5	0
B66	-4.8	-4.4
n41	-2	-1.1
n70	-6	-4.7
n77	-1.6	-2.8
n78	-1.1	-2.9
n79	-3	-1.2

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	-1.2	0.1
B2	-1.5	-0.1
B3	-1.9	-1.6
B7	-1.1	-1.3
B30	-1.8	-0.5
B39	-1.5	-0.1
B40	-1.6	0.1
B41	-0.6	-3.5
B66	-1.1	-1.1
n41	-0.6	-3.5
n70	-1.1	-1.1

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

Band	Horizontal (dBi)	Vertical (dBi)
B42	1.5	1.8
B48	0.7	1
n77	-2.2	0.7
n78	-2.1	0.8
n79	-3.5	-1.1