

Antenna Gains

Model: A2757, A2777

WiFi/BT Antenna Gain:

1. WiFi/BT 2.4GHz (**ANT 3a**); Type: IFA

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
2412	1.9	1.6
2442	1.7	1.2
2472	2.3	1.5

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

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
2412	1.5	1.2
2442	1.4	0.8
2472	1.2	1.0

3. WiFi 5GHz Antenna Gain (**ANT 3c**); Type: Cavity Backed

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	2.8	-0.4
5260	1.9	-0.8
5320	1.8	-1.5
5500	2.5	-1.3
5600	2.1	-2.2
5700	3.6	-0.2
5745	3.2	-0.1

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5785	2.0	-1.1
5825	1.9	-1.3

4. WiFi 5GHz Antenna Gain (**ANT 3a**); Type: IFA

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	-2.6	0.4
5260	-1.7	1.2
5320	-1.2	0.5
5500	1.2	0.3
5600	2.2	-0.3
5700	1.8	-1.0
5745	1.3	-1.3
5785	0.6	-2.4
5825	0.1	-1.5

5. WiFi 5GHz Antenna Gain (**ANT 1b**); Type: IFA

Frequency (MHz)	Horizontal (dBi)	Vertical (dBi)
5180	-1.4	-3.5
5260	-2.2	-4.7
5320	-1.9	-4.2
5500	-1.6	-3.1
5600	-1.1	-3.3
5700	-1.2	-2.2
5745	-1.0	-2.5
5785	-1.8	-3.1
5825	-2.7	-3.7

Cellular Antenna Gain:

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	-2.0	1.5
B2	-2.0	1.7
B3	-0.3	1.5
B5	-2.8	-4.0
B7	2.2	0.9
B8	-0.2	-2.7
B11	-2.3	-1.6
B13	-1.2	-1.7
B17	-1.5	-1.2
B20	-1.8	-1.1
B21	-2.2	-1.0
B28	-1.4	-0.9
B30	0.4	1.2
B34	-2.8	0.3
B39	-1.5	1.7
B40	2.2	2.0
B41	3.0	2.6
B42	2.4	2.1
B48	2.5	1.7
B66	-1.0	1.3
B71	-1.6	-1.8
n41	3.0	2.6
n77	1.7	3.6
n78	1.8	3.5

Band	Horizontal (dBi)	Vertical (dBi)
n79	2.8	2.1

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	1.0	0.7
B2	0.1	-0.5
B3	-0.1	-0.8
B7	3.0	1.7
B30	0.8	0.3
B34	1.3	0.6
B39	0.0	-0.5
B40	1.8	2.0
B41	2.8	1.7
B66	0.1	-1.0
n41	2.8	1.7

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

Band	Horizontal (dBi)	Vertical (dBi)
B5	-3.0	-0.7
B8	-2.9	-2.2
B13	-3.1	-2.5
B17	-3.3	-2.6
B20	-2.4	-0.9
B28	-3.3	-1.9
B42	2.8	0.3
B48	2.6	0.0

Band	Horizontal (dBi)	Vertical (dBi)
B71	-2.9	-3.4
n77	-1.8	2.2
n78	-1.7	2.7
n79	2.3	1.3

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	-2.6	-1.6
B2	-2.7	-2.0
B3	-2.1	-1.9
B7	-0.9	-2.0
B11	-2.0	-2.8
B21	-2.0	-2.3
B30	-3.8	-1.6
B34	-3.2	-1.9
B39	-3.1	-2.2
B40	-3.2	-1.4
B41	-0.9	-1.3
B66	-2.0	-1.7
n41	-0.9	-1.3

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

Band	Horizontal (dBi)	Vertical (dBi)
B42	2.2	0.8
B48	2.2	0.6
n77	-1.6	1.1
n78	-1.6	1.1
n79	-3.7	-1.4

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

Band	Horizontal (dBi)	Vertical (dBi)
B1	-1.7	-0.3
B2	-2.1	-0.6
B3	-1.4	-1.2
B7	-4.4	-4.6
B30	-6.6	-4.5
B34	-2.9	-0.3
B39	-2.1	-0.7
B40	-5.9	-2.8
B41	-6.1	-3.9
B66	-1.2	-2.4
n41	-6.1	-3.9

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

Band	Horizontal (dBi)	Vertical (dBi)
B42	0.9	0.3
B48	0.2	-0.6
n77	-3	-0.6
n78	-2.9	-0.5
n79	-5.1	-3.1