

FEATURES

- Multiband low-profile antenna
- Small foot print
- Supports bands across 3G, 4G and 5G networks
- Compatible with Telstra's 4GX and Optus' 4G Plus networks
- Carrier Aggregation ready
- Can be used for MIMO applications, by installing 2 elements

Low Profile Antenna 3G+4G+5G (ANT-LPB-2SP)

The ANT-LPB-2SP low profile antenna has been designed to perform under extreme pressure. At only 82 mm (3.22") high and protected by a robust high impact radome the antenna is almost impervious to daily wear, tear and impact.

Mounted on a 400 x 400 mm ground plane, the ANT-LPB-2SP offers excellent performance across a wide bandwidth. It covers public safety/LTE frequencies across 700 and 800 MHz, as well as global cellular frequencies from 698 to 960 MHz and 1710 to 3800 MHz, making it an extremely versatile product.



Supplied with a convenient adhesive pad and a short pigtail for connection to a cable extension run, the antenna is cost effective to install and adaptable to any install environment.

Specifications

MODEL

- ANT-LPB-2SP

ELECTRICAL DATA

Frequency

- 698 – 960 MHz
- 1710 – 3800 MHz

Gain

- 3dBi @ 700 MHz
- 3 dBi @ 800 MHz
- 4 dBi @ 900 MHz
- 4dBi @ 1800 MHz
- 5 dBi @ 1900 MHz
- 5 dBi @ 2100 MHz
- 5 dBi @ 2400 MHz
- 5 dBi @ 2600 MHz
- 8 dBi @ 3500 MHz

Polarisation

- Vertical

Operational Bands

- 700, 800, 900, 1800, 1900, 2100, 2400, 2600, 3600

Pattern

- Omni-directional

Voltage Standing Wave Ratio

- < 2.5:1

Impedance

- 50 Ω

Input Power Max

- 30 W

MECHANICAL DATA

Height

- 82 mm

Diameter

- 48 mm

Working Temperature

- -40 °C to +80 °C

Material

- ASA

Colour

- Black

IP Rating

- IP65 – dust tight and water resistant

Cable

- Low loss coaxial
- 5 mm diameter
- 2 m length
- SMA male connector

MOUNTING DATA

Fixing

- Panel mount

Hole Diameter

- 14 mm

Maximum Panel Thickness

- 13 mm

NETWORK COMPATIBILITY

Carrier	Frequency (MHz)	Band	Gain (dBi)	Compatible?
<i>Telstra (4GX)</i>	700	28	3	✓
<i>Telstra 4G</i>	1800	3	4	✓
<i>Telstra 4G</i>	2100	1	5	✓
<i>Telstra 4G</i>	2600	7	5	✓
<i>Telstra 5G</i>	3500	n78	8	✓
<i>Optus (4G Plus)</i>	700	28	3	✓
<i>Optus 4G</i>	900	8	4	✓
<i>Optus 4G</i>	1800	3	4	✓
<i>Optus 4G</i>	2300	40	5	✓
<i>Optus 4G</i>	2600	7	5	✓
<i>Optus 5G</i>	3500	n78	8	✓
<i>Vodafone (4G+)</i>	850	5	3	✓
<i>Vodafone 4G</i>	900	8	4	✓
<i>Vodafone 4G</i>	1800	3	4	✓
<i>Vodafone 4G</i>	2100	1	5	✓
<i>TPG 4G</i>	700	28	3	✓
<i>TPG 4G</i>	2600	7	5	✓
<i>NBN Co</i>	2300	40	5	✓

PRODUCT DIMENSIONS

