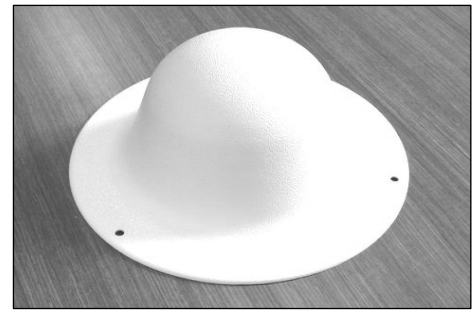




AI-460 Series

800-3000 MHz

LOW INTERMODULATION Multiband MicroCell Antenna



FEATURES

- Full 800 to 3000 MHz Operation
- LOW IM construction > -150dBc @2x30dBm
- Input Power 100 Watts Max
- Low Cost – Small & Light Weight, Easy to Install

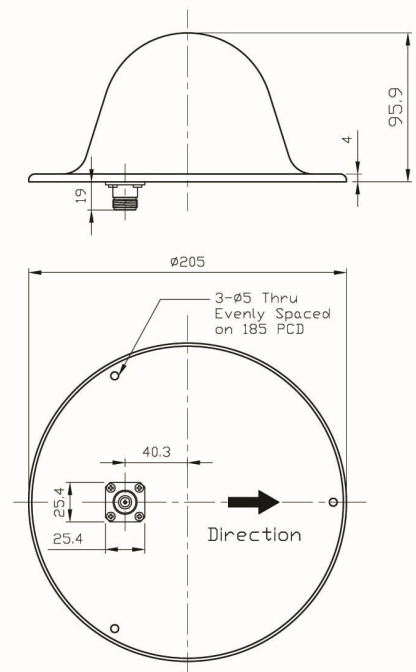
The AI-460 is the most versatile multi-purpose antenna on the market today. Specifically designed for in-building passive distribution of the all cellular communications signal and covering the full 800 to 3000 MHz bandwidth, this antenna is also capable of operation in the WLAN band. The antenna is constructed from lightweight materials suitable for wall or ceiling mounting; alternatively our in ceiling version can be used for covert installations.

This antenna has been designed for indoor applications supplied with matt white textured radomes blending into any in-building application.

Specifications

| | |
|-------------------|---|
| | DIRECTIONAL LOW IM ANTENNA AI-460-D-NF |
| Frequency Range | 800 to 3000 MHz |
| Gain | 6-9 dBi Nominal |
| VSWR | 2:1 Max |
| Impedance | 50 Ohm |
| Polarisation | Linear |
| Radiation | Directional |
| Horizontal 3dB BW | 120-150 Degrees |
| Vertical 3dB BW | 40 Degrees |
| Max Input Power | 100 Watts Max |
| Colour | White ABS |
| Dimensions | Diameter 205 x 96(H) + Conn. |
| Weight | 300 Grams Max (ICM 515g) |

Mechanical Outline

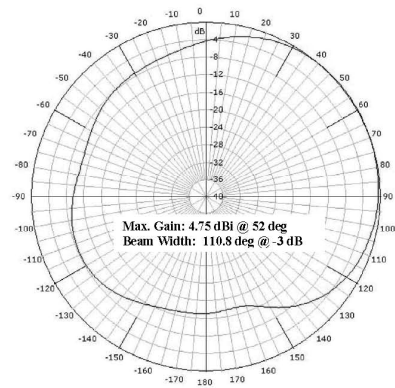
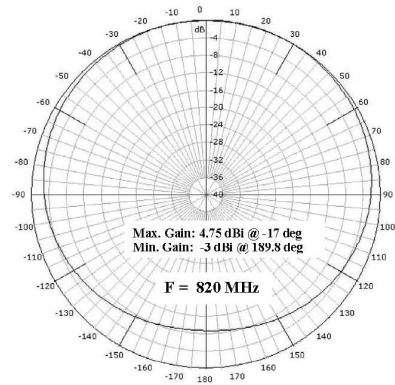


ROJONE PTY. LIMITED - AUSTRALIA

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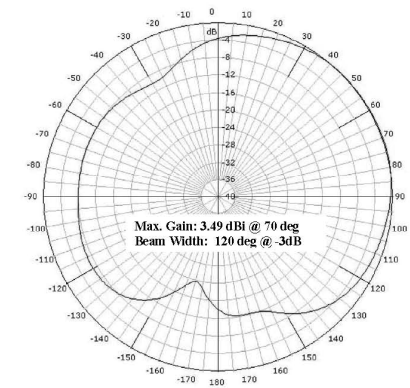
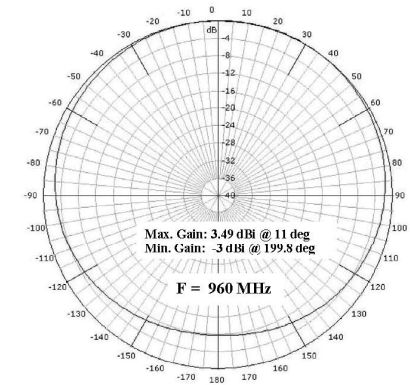
Test Results

Test Environment: 256 Sensors Lab Test Date: 09-07-2007



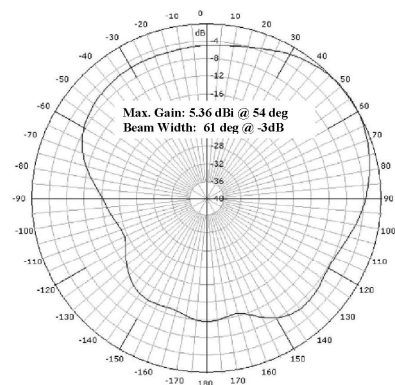
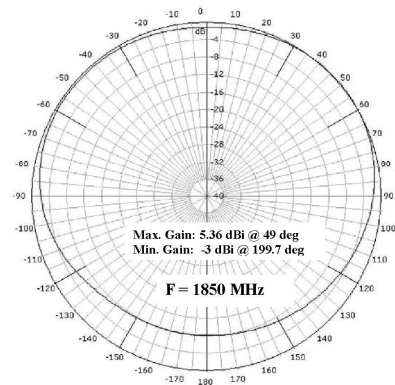
A-460-D ANTENNA

Test Environment: 256 Sensors Lab Test Date: 09-07-2007

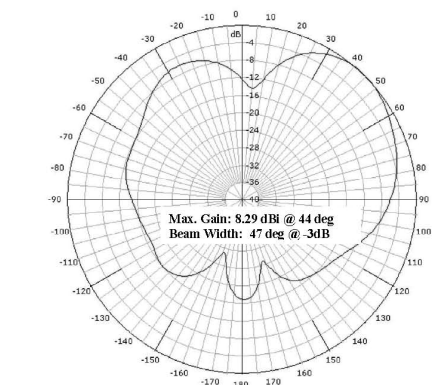
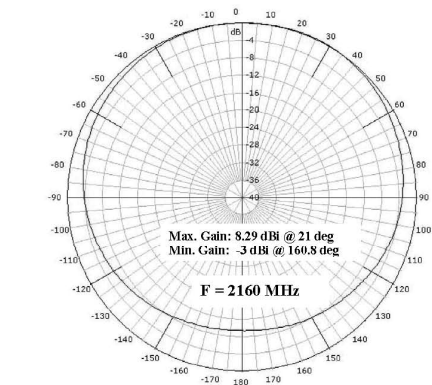


A-460-D ANTENNA

Test Environment: 256 Sensors Lab Test Date: 09-07-2007

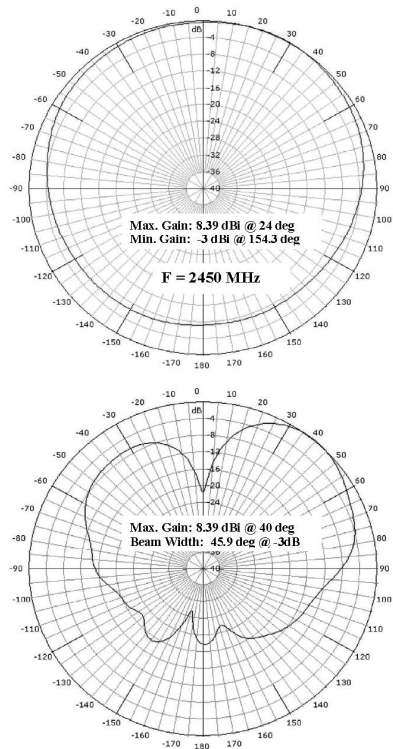


A-460-D ANTENNA

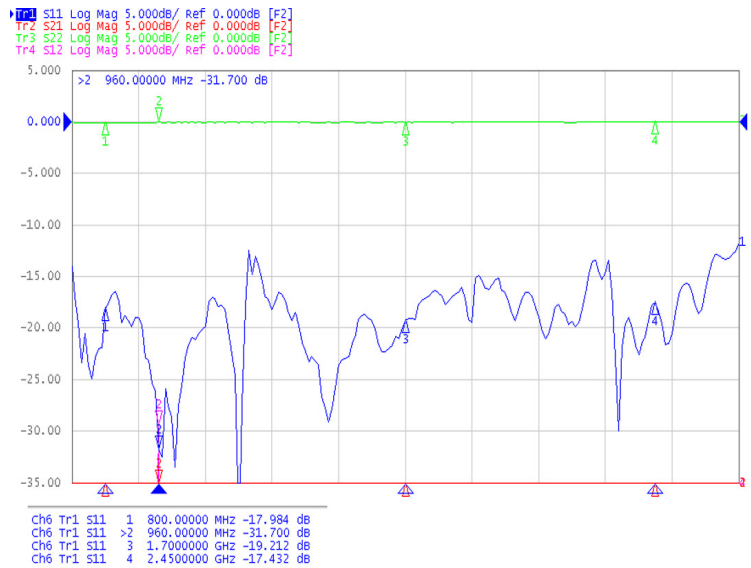


A-460-D ANTENNA

VSWR Test Results

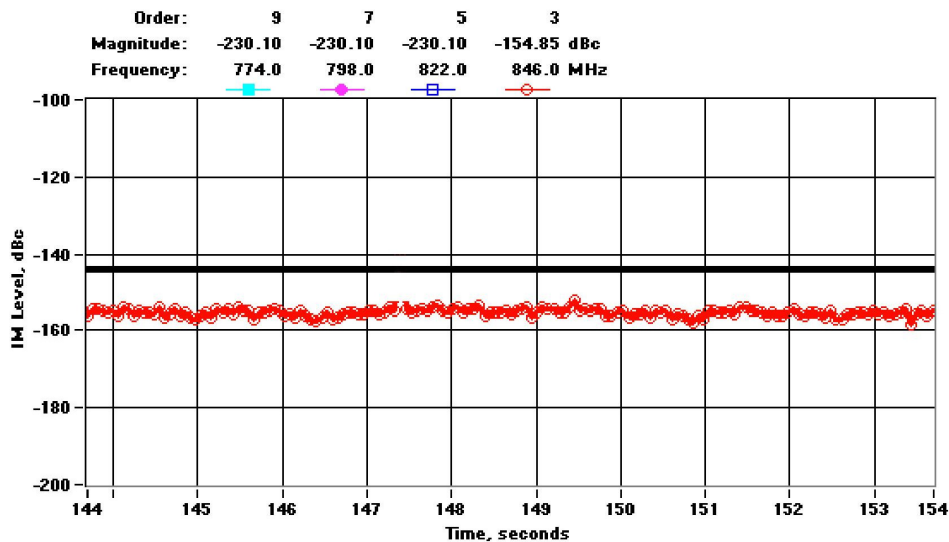


A-460-D ANTENNA



Passive IM Test Results

| | Frequency | Measured Power | Requested Power | Offset |
|-----------|-----------|----------------|-----------------|--------|
| CARRIER 1 | 870.00MHz | 30.0dBm | 30 | 0.00dB |
| CARRIER 2 | 894.00MHz | 30.1dBm | 30 | 0.00dB |



REVERSE IM