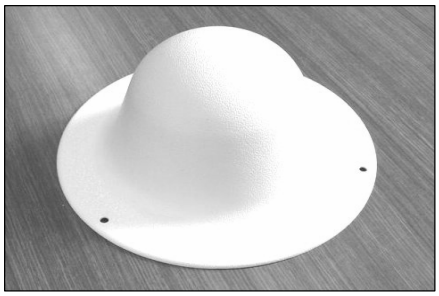
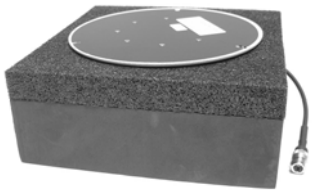
A-460 Series

800-3000 MHz Multiband MicroCell Antenna





FEATURES

- **Full 800 to 3000 MHz Operation**
- **Input Power 100 Watts Max**
- **Low Cost – Small & Light Weight, Easy to Install**

The A-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.

A-460 Antennas in various configurations, with a standard connector exit, short cable tails either bottom or side exit. We have antennas designed for indoor (I) which supplied with matt white textured radomes blending into any in-building application or outdoor (E) antennas for mounting outdoors with a high stability UV white smooth finish radome.

Specifications

	OMNI ANTENNA A-460-O	**DIRECTIONAL ANTENNA A-460-D**
Frequency Range	800 to 3000 MHz	800 to 3000 MHz
Gain	3~6.5dBi Nominal	6-9 dBi Nominal
VSWR	< 2:1	2:1 Max
Impedance	50 Ohm	50 Ohms
Polarisation	Linear	Linear
Radiation	Omni	Directional
Horizontal 3dB BW	360 Degrees	120-150 Degrees
Vertical 3dB BW	75 Degrees	40 Degrees
Max Input Power	100 Watts Max	100 Watts Max
Colour	White ABS	White ABS
Dimensions	77.4mm High x 165mm	Same As Drawing
Weight	300 Grams Max (ICM 515g)	300 Grams Max

Optional Tuning to optimize gain in specific frequencies is available. Please consult Rojone Pty Ltd for details.

ROJONE PTY. LIMITED - AUSTRALIA
Email sales@rojone.com.au /// www.rojone.com.au

Part Number Selection

PART NUMBER SELECTION

A-460 - D I - B 30 NF - MH

Accessory or Modification Code
- **BLANK** If not required
- **MH** Mounting Hardware
- **RP** Reverse Polarity Connector
- **RA** Right Angle Connector

Connector Type
- **NM** N Type Straight Male Plug
- **NF** N Type Inline Female Jack
- **716M** 7/16 Din Straight Male Plug

Connector Exit &/or Cable Tail Length in CM
- **0** Bottom Connector no cable tail
- **30** 30 CM Cable Tail
- Tail can be specified in XX cm increments

Cable Tail Exit Style
- **S** Side Cable Exit from Antenna
- **B** Bottom Cable Exit from Antenna

Antenna (Radome) External Finish
- **I** Internal antenna - Matt textured white finish
- **E** External Antenna - Smooth UV white finish
- **ICM** Special In Ceiling Mount Antennas

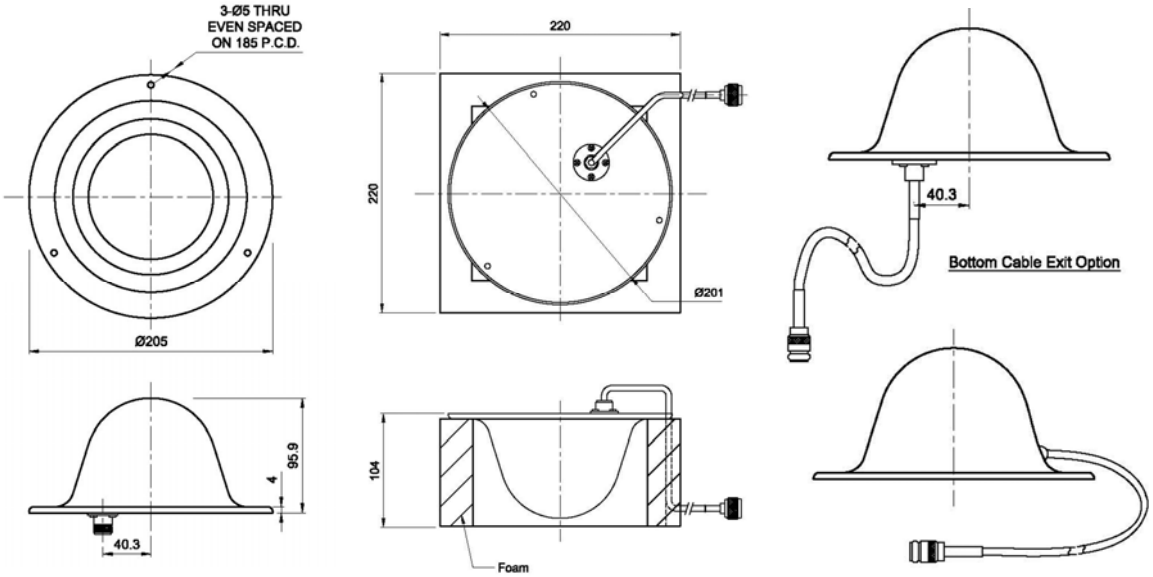
Antenna Radiation Type
- **O** 360 Deg Omni Directional Antenna
- **D** 90(H) & 40(V) Directional Antenna

Antenna Series

Mechanical Outline

The Omni-Directional & Directional Antenna antennas are housed in the same Radome. Only the internal structure of the antenna differs and is marked accordingly on the base plate of the antenna when delivered.

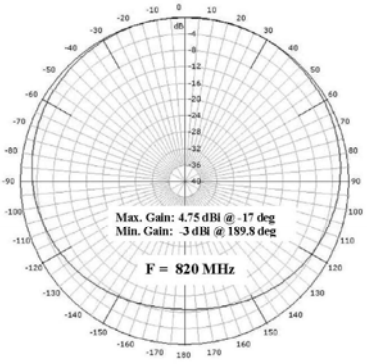
The –ICM Omnidirectional antenna has a unique lightweight mounting arrangement, allowing the antenna to be placed securely in on a ceiling tile or in a ceiling cavity to efficiently radiate through the ceilling material into a room space (some types of ceiling material and thickness may degrade the performance slighly) Weight 515g.

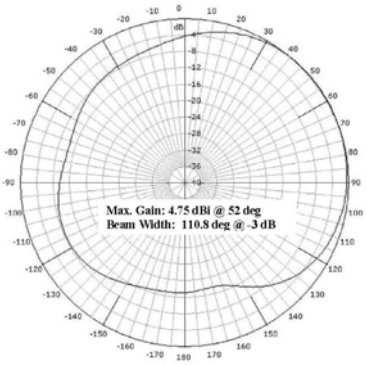


Standard Version | ICM Version | Cable Side-Exit Version

Test Results

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





A-460-D ANTENNA

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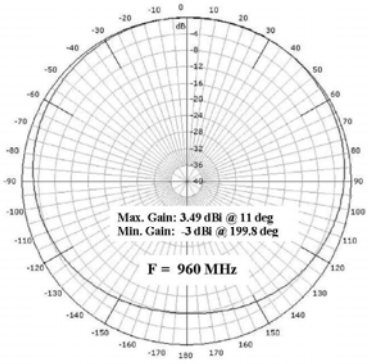

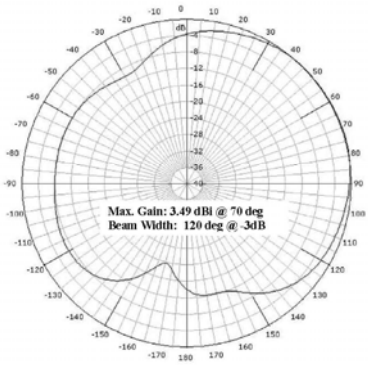

A-460-D ANTENNA

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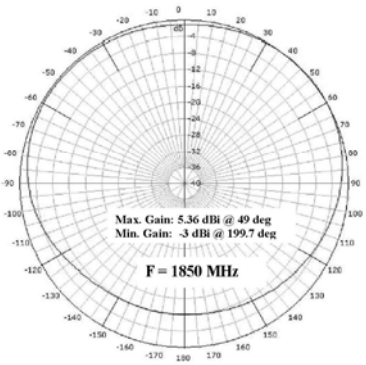

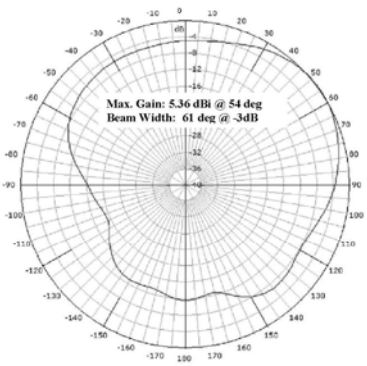

A-460-D ANTENNA

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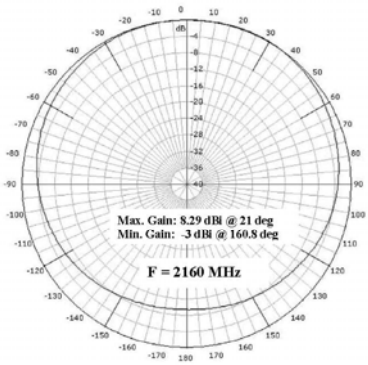

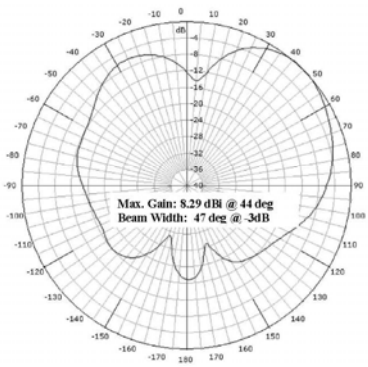

A-460-D ANTENNA

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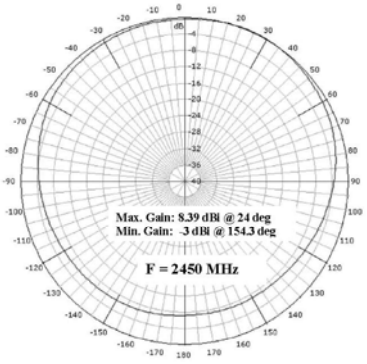

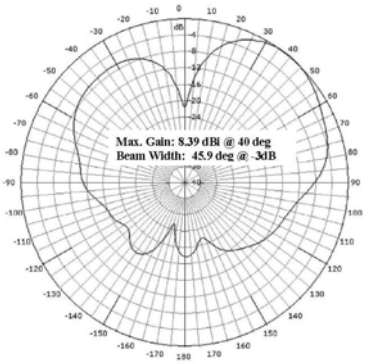

A-460-D ANTENNA

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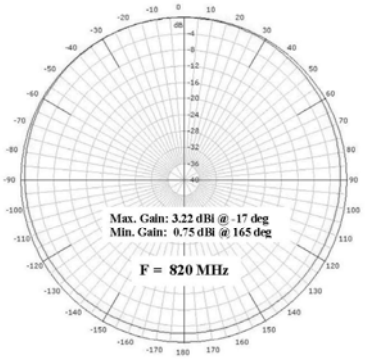

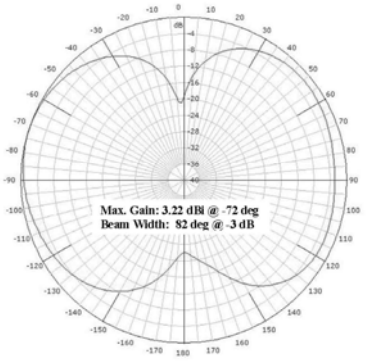

A-460-O ANTENNA

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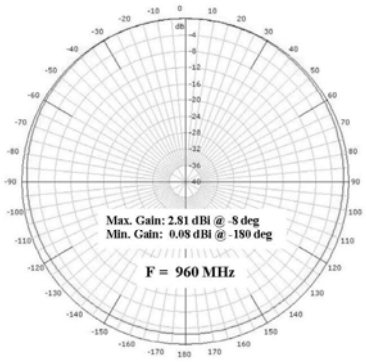

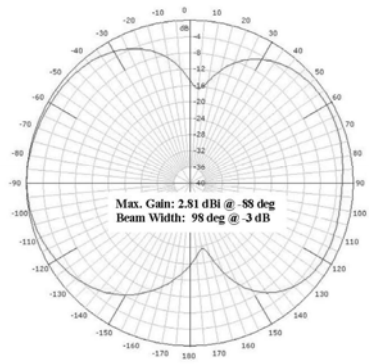

A-460-O ANTENNA

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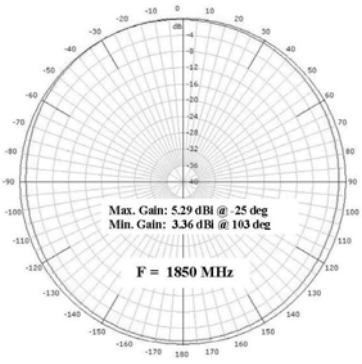

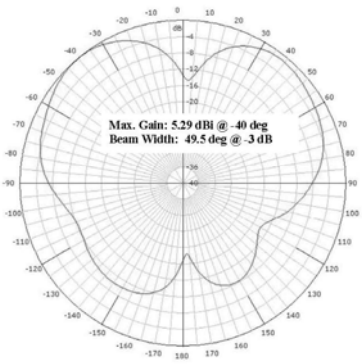

A-460-O ANTENNA

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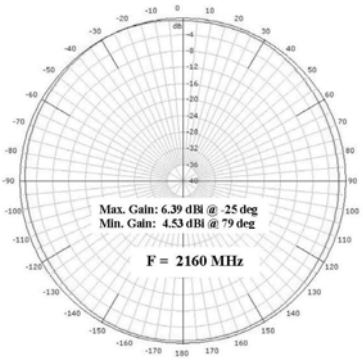

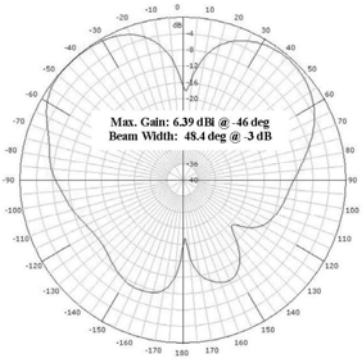

A-460-0 ANTENNA

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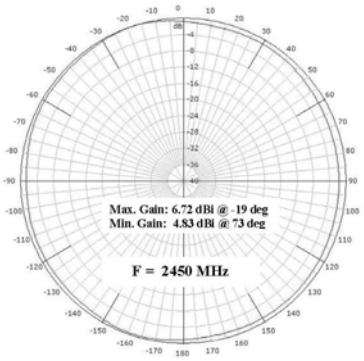

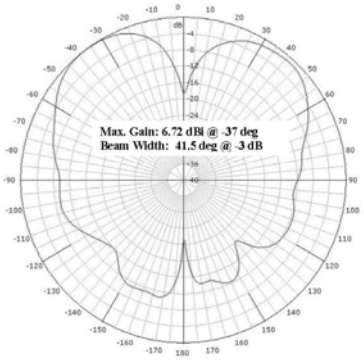

A-460-0 ANTENNA