

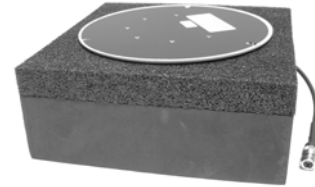


A-460 Series

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 series of antennas are the most versatile multi-purpose antenna on the market today. Specifically designed for in-building passive distribution the A-460 series operates over the full 800-3000 MHz frequency range.

Rojone's A-460 Series is superior to similar antennas, designed and manufactured using high grade FR4 board essential for long life performance. The antennas boast a large antenna surface area design for excellent broadband performance with the directional antenna featuring a solid directional reflector to assure signals are forward focused unlike most panel antenna's that lose signal due to lack of directivity.

The antenna is constructed from lightweight materials suitable for wall or ceiling mounting. Available with a standard connector exit, short cable tails either bottom or side exit. Our indoor (I) antennas radome is a white matt textured finish ideal for most buildings. Our outdoor (E) antennas radome is UV stable with a white smooth finish that can be painted to colour match on request.

Specifications

A-460 Series antenna are used Extensively throughout Australian Airport terminals.

	OMNI ANTENNA	DIRECTIONAL ANTENNA
	A-460-O	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	Dia 205 x 96(H) + Conn.	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.

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Part Number Selection

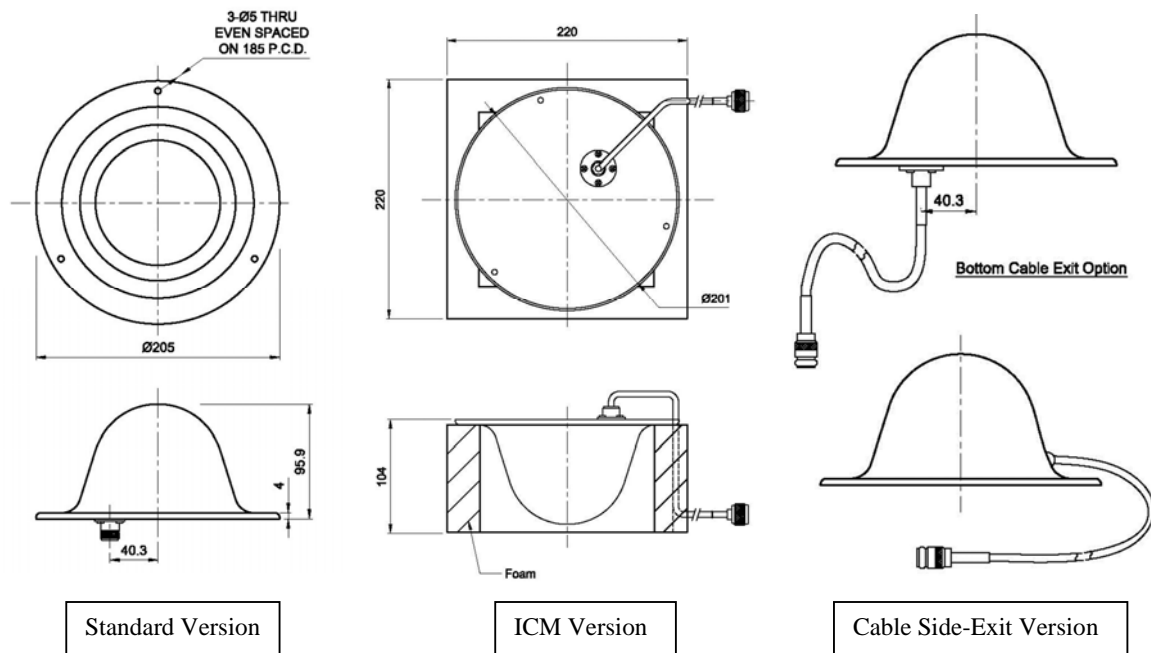
PART NUMBER SELECTION

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 ceiling material into a room space (some types of ceiling material and thickness may degrade the performance slightly) Weight 515g.

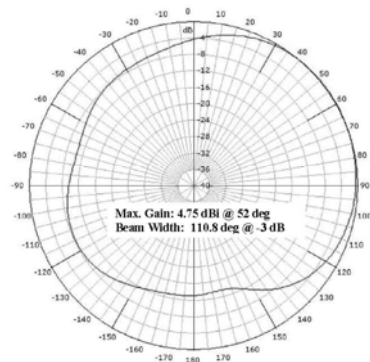
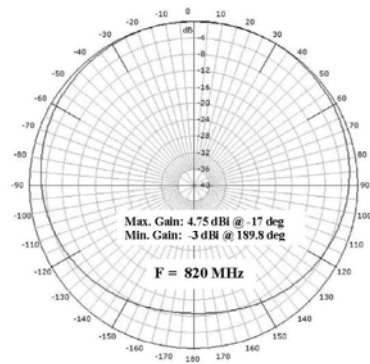


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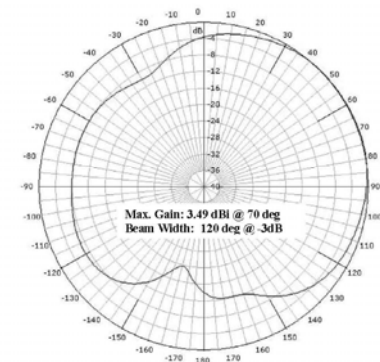
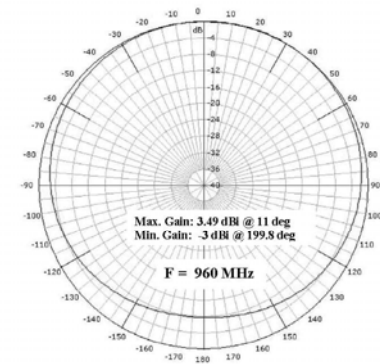
Test Results

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



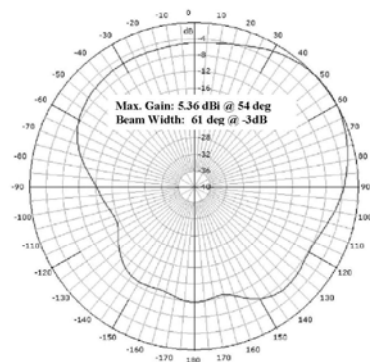
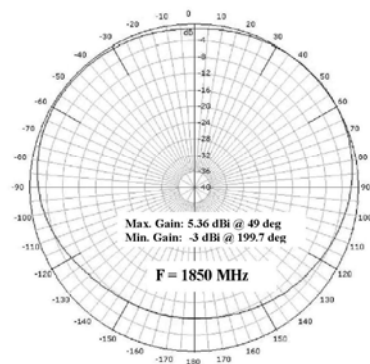
A-460-D ANTENNA

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



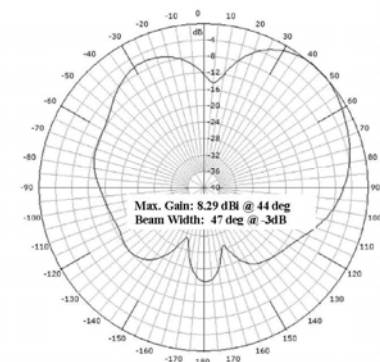
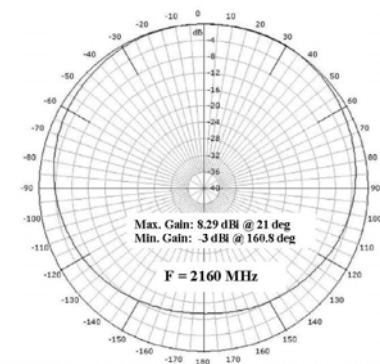
A-460-D ANTENNA

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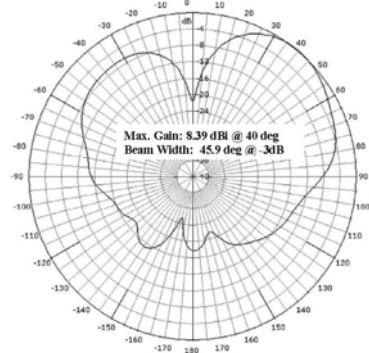
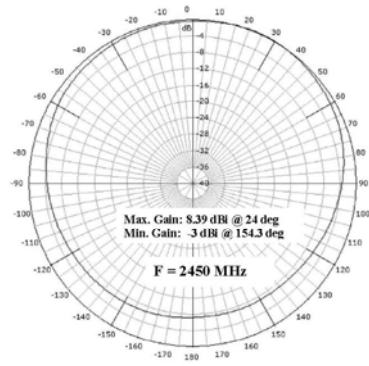


A-460-D ANTENNA

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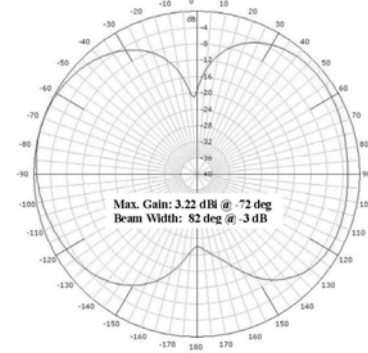
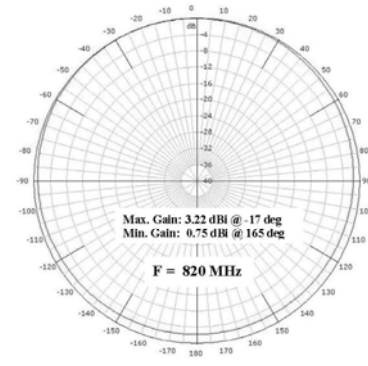
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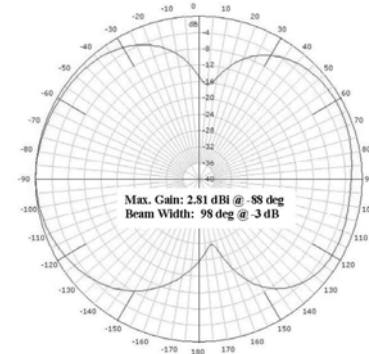
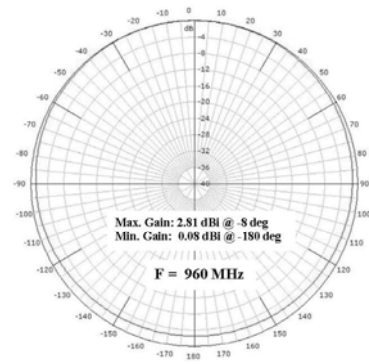
A-460-D ANTENNA

Test Environment: 256 Sensors Lab Test Date: 21-06-2007



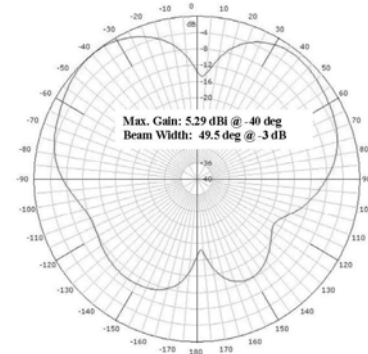
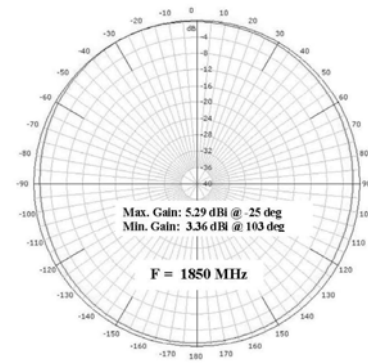
A-460-O ANTENNA

Test Environment: 256 Sensors Lab Test Date: 21-06-2007



A-460-O ANTENNA

Test Environment: 256 Sensors Lab Test Date: 21-06-2007

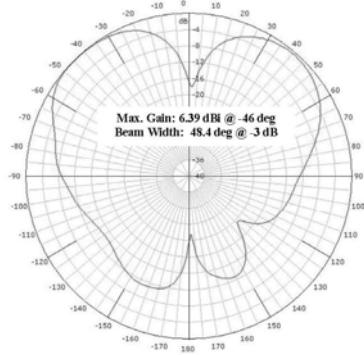
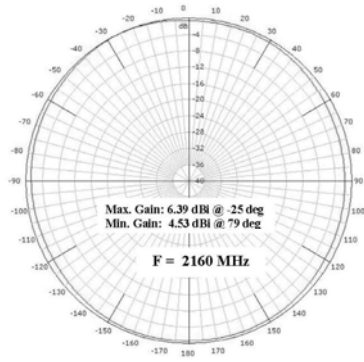


A-460-O ANTENNA

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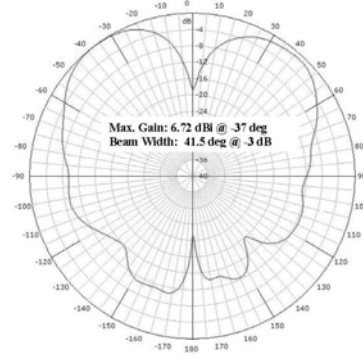
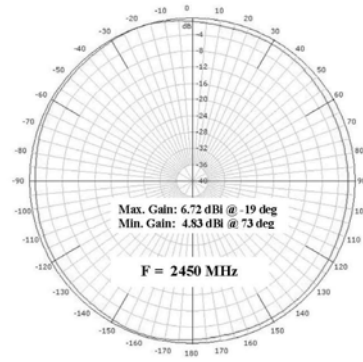
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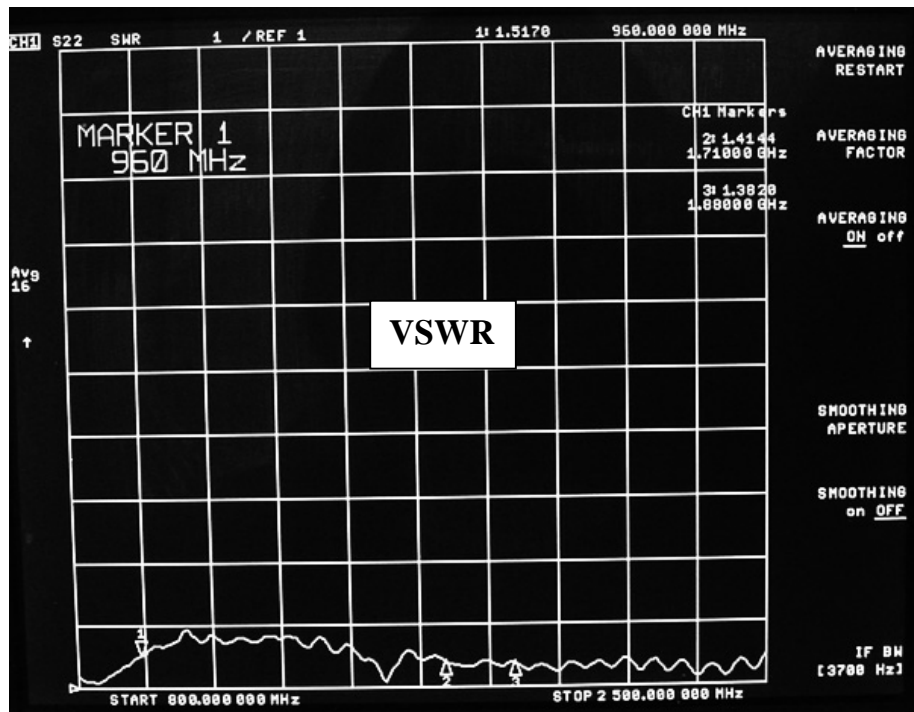


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