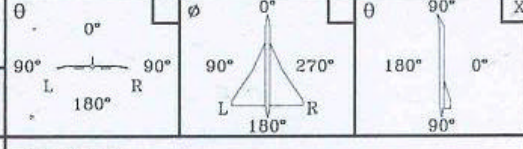


TESTED BY: JM	DATE: 7/03/2003	$\theta$	$\phi$	$\theta$
Q.C.: BR	DATE: 7/03/2003	$90^\circ$	$90^\circ$	$90^\circ$
VARIABLE ANGLE $\phi$ ( ), $\theta$ (var)				
CONSTANT ANGLE $\phi =$ , $\theta =$		ISO. LEVEL: _____		
PROJECT NO.: AT90012814		<b>PROPRIETARY NOTICE:</b> This document contains proprietary information of AAT Inc. neither the document nor said proprietary information shall be published, reproduced, copied, disclosed or used for any purpose other than consideration of this document without the express written permission of a duly authorized representative of said Company.		
ANTENNA TYP: Dipole S/ _____				
FULL SCALE FREQUENCY: 912MHZ				
POLARIZATION: Linear				
ANTENNA MOUNTING: directly facing, inside housing				
REMARKS: H Field Pattern with Ground Plan				

01.28.01

**ORIGINAL**

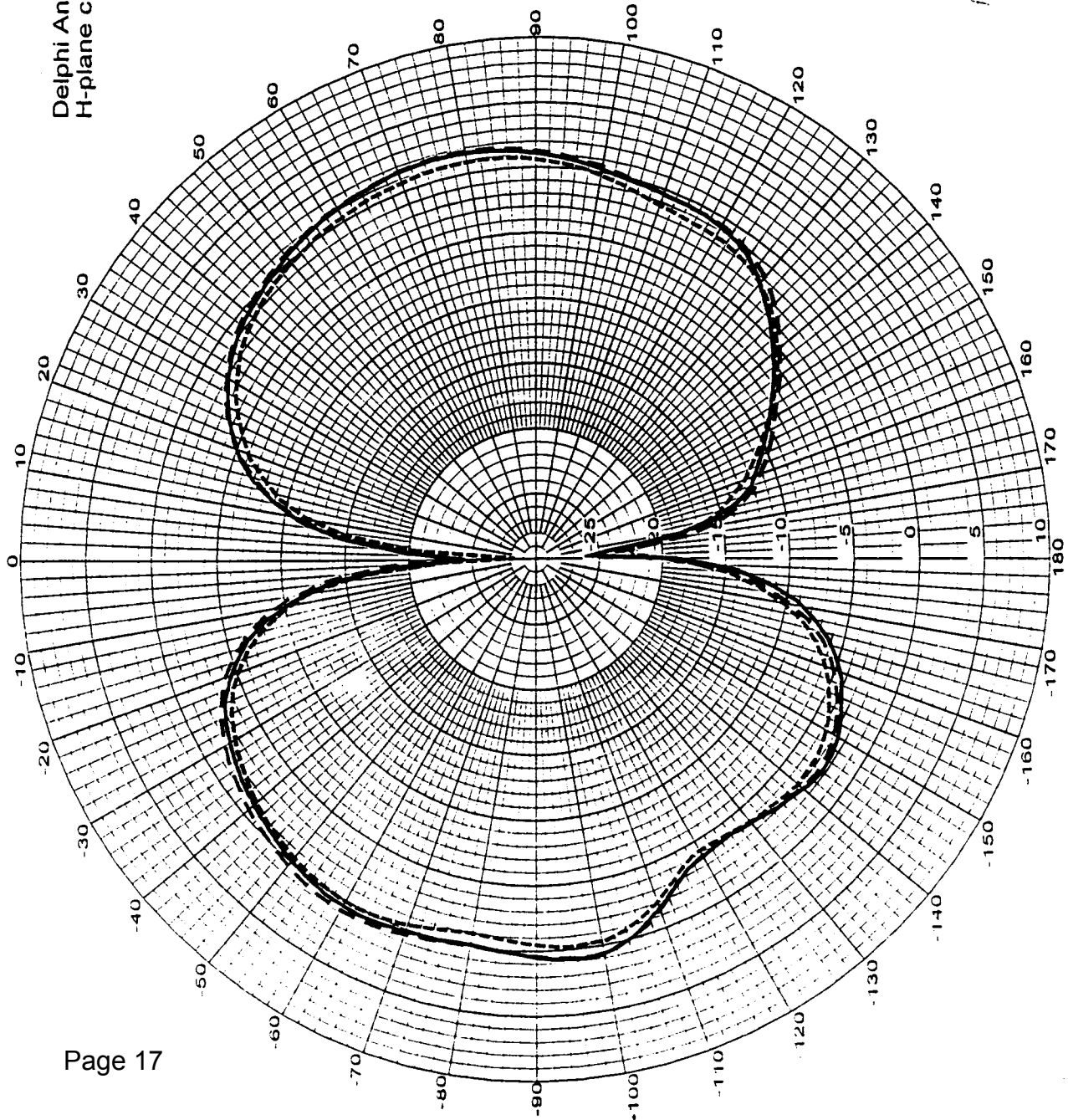
Magnitude (dB) vs. Elevation (Deg)

Delphi Antenna  
H-plane cut

File: indy-002.DAT  
Date: 19-Mar-01  
Time: 10:44  
Operator: DL  
Ser. no.: N/A  
Channel: channel 1 Tx pol: None Rx pol: None  
Frequency: See Legend

Calibration status:  
File: indy-002.DAT  
Table: 912 MHz Di  
Chan.: channel 1  
Units: dBi

Overlays  
Freq: 0.902 GHz ———  
Freq: 0.914 GHz - - -  
Freq: 0.928 GHz - - - -



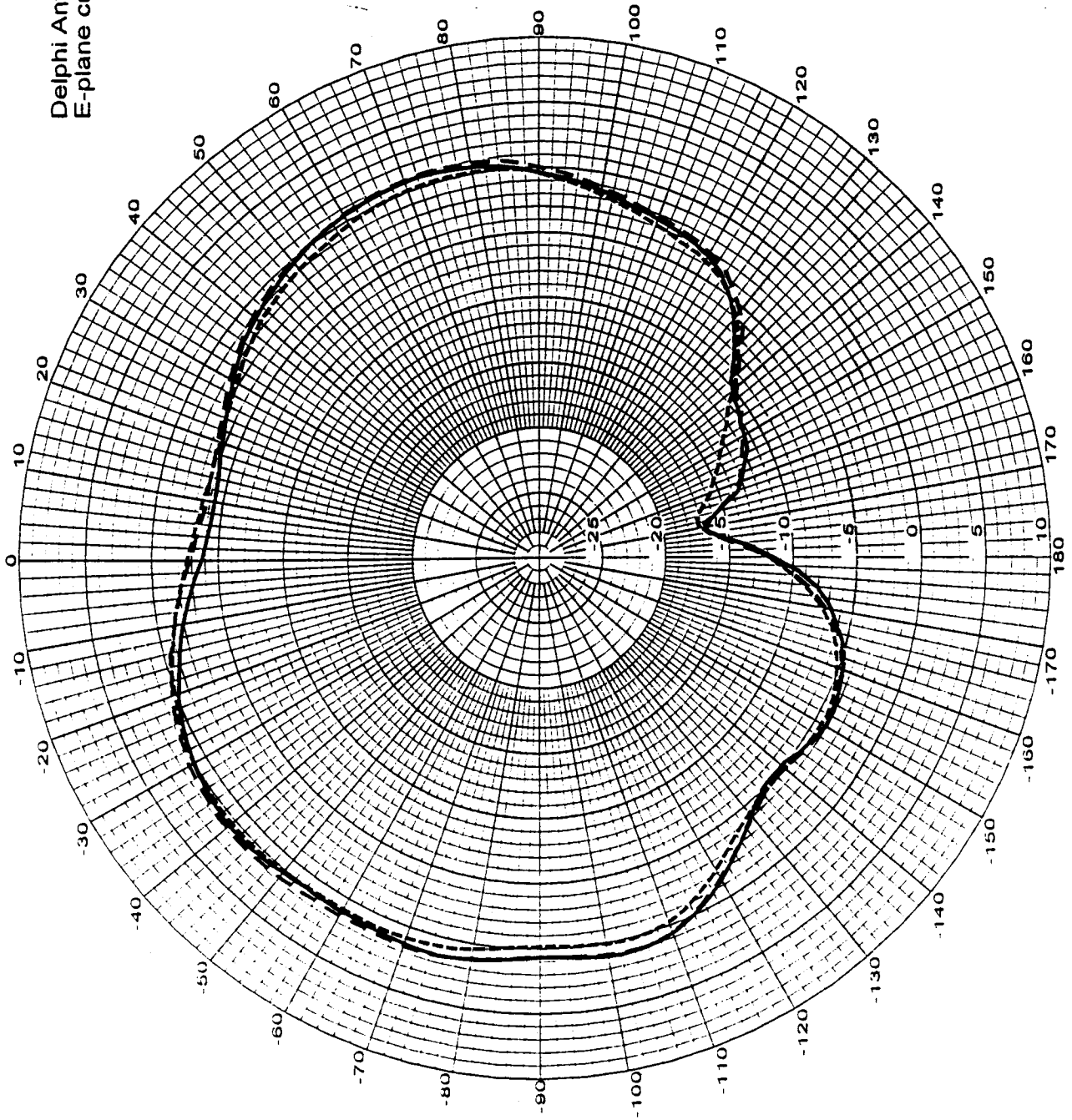
# Magnitude (dB) vs. Elevation (Deg)

Delphi Antenna  
E-plane cut

File: indy-001.DAT  
Date: 19-Mar-01  
Time: 10:33  
Operator: DL  
Ser. no.: N/A  
Channel: channel 1 Tx pol: None Rx: None  
Frequency: See Legend

Calibration status:  
File: indy-001.DAT  
Table: 912 MHz DI  
Chan.: channel 1  
Units: dBi

Overlays  
Freq: 0.902 GHz ———  
Freq: 0.914 GHz - - -  
Freq: 0.928 GHz - - - -



## 02461G Marine Mast Mount Cellular GSM Antennas

### Descriptions

The 02461G antennas is a Unity Gain (3dBi) Marine antenna, covering either the GSM Mobile Telephone bands. The antennas are lightweight, simple to install, and ideally suited to Mast Mount Marine applications. The antenna is factory tuned, ground Independent, and comes complete with an N-Type Socket mounting stud, and is suited to mounting on our range of marine mounting Brackets.

The Model 02461G - is factory tuned to the GSM Band (890-960 MHz).

### Applications

Ideally suited to Mast, Rail or Cabin mounting on Fibreglass and Metal boats. Suits a range of Marine Mounting Brackets such as 02728BS, 025222 or 027281S.

### Constructions

The antenna is constructed in smooth finished white fibreglass, with chromed brass fittings. The white radome offers a low profile and is complimentary to marine applications. The antenna is fed via an N-Type connector incorporated into the mounting stud. The radiators are constructed of copper and Brass, ensuring maximum radiation efficiency.

### Electrical Specifications

Model	Frequency	Gain (dBi)	Tuned Bandwidth	Operating VSWR	Input Impedance	Vertical Beamwidth	Horizontal Beamwidth	Maximum Power
02461G	890-960 MHz	3	70 MHz	1.3	50 Ω	50°	Omni	30 Watts

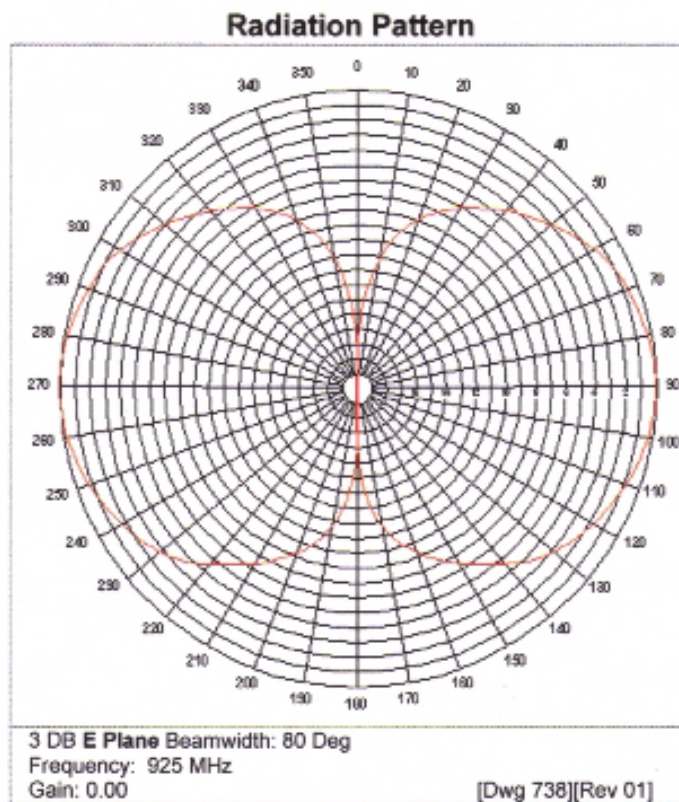
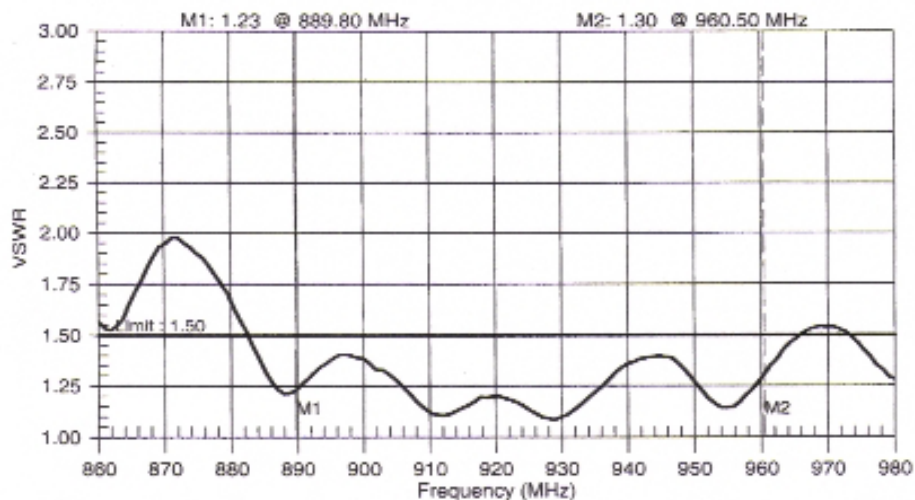
This antenna is DC Grounded

### Mechanical Specifications

Model	Construction	Length (m)	Width (m)	# Weight (kg)	Termination	Projected Area	Wind loading @160 KPH
02461G	Copper Radiators. White Fibreglass Radome.	0.27	N/A	0.4	'N' Type Socket - built into stud.	N/A	N/A

**Mounting Detail** ^ 02728BS St/Steel Rail Bracket. 025222 St/Steel Wall Bracket.

# Weight does not include Mounting Hardware.

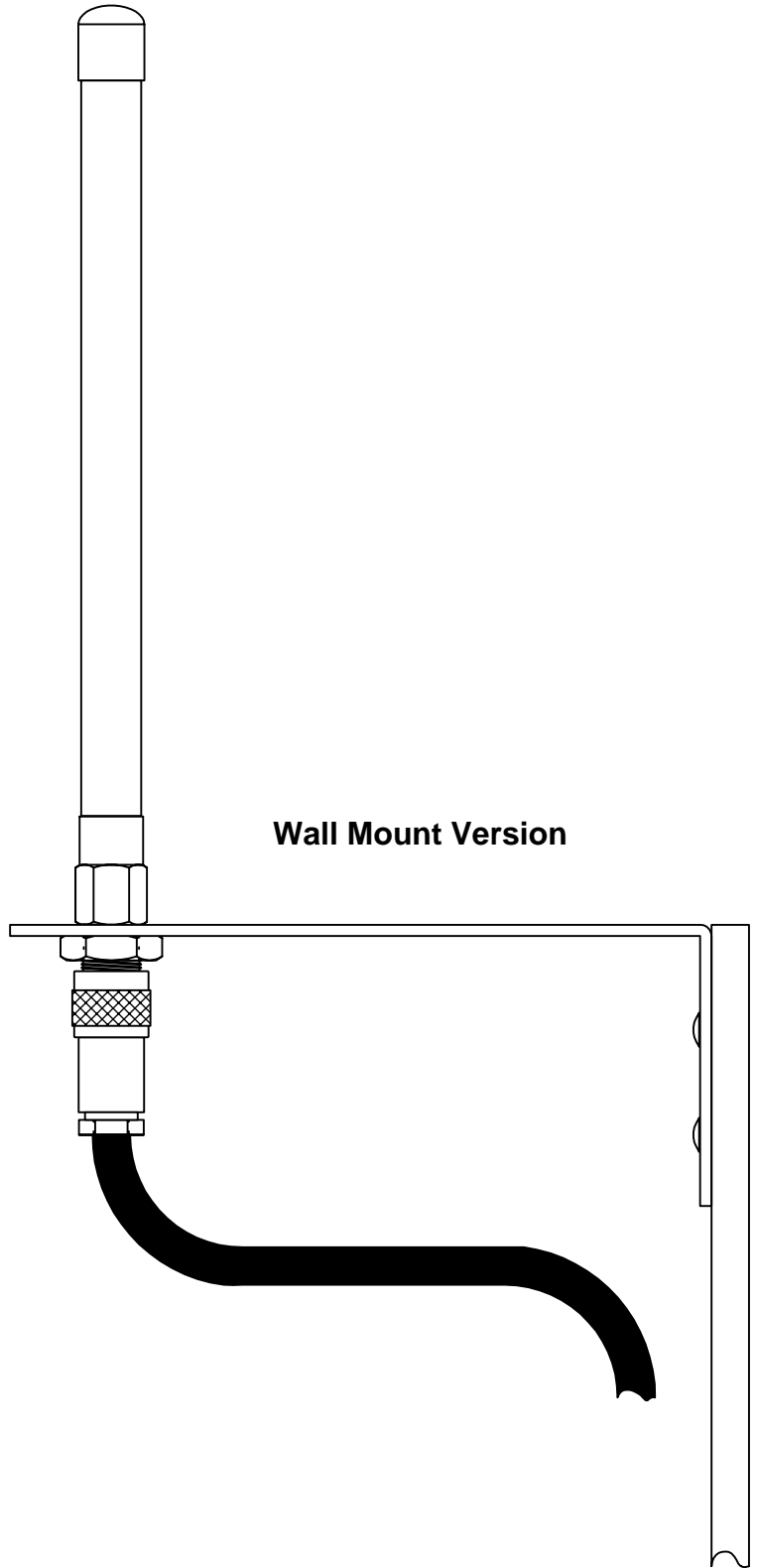
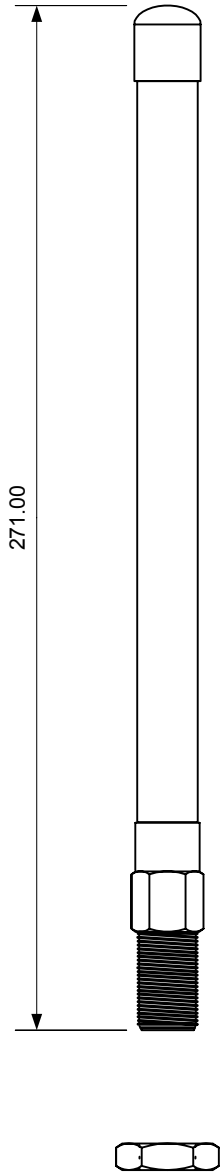


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Mascot, N.S.W. 2020  
Australia

Changes
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Unless otherwise stated all dimensions are in Millimetres

Part N/o 02461	Issue 00	02461 Installation Sheet.vsd	Issue Date: 08/07/03
Drawing N/o: 976	Material:	Tolerance: +/-0.1	Approved By :
Scale: 1:1	Finish:	Drawn By: EY	