



Specification

SPECIFICATION

- Part No. : **PC24.07.0100A**
- Product Name : **TheStripe™** 850/900/1800/1900MHz GSM PCB Antenna
100mm Ø1.13mm IPEX MHF connector (U.FL)
- Features : 42mm*42mm*1.6mm
Compatible with Hirose U.FL
- Photo:



REVISION STATUS

Version	Date	Page	Revision Description	Prepared	Approved
01	Jan 02 nd 2006	All	New Product	TW Product Centre	Ronan Quinlan



Specification

1.0 Introduction

The PC24 Internal PCB Antenna is a compact square Quad-band GSM antenna for incorporation in antennas and transceiver modules to be used worldwide. Omni-directional gain across all bands ensures constant reception and transmission. Cables and connectors are fully customizable. Antennas can be tuned to customer housing on request.

2.0 Typical Antenna Performance in free space

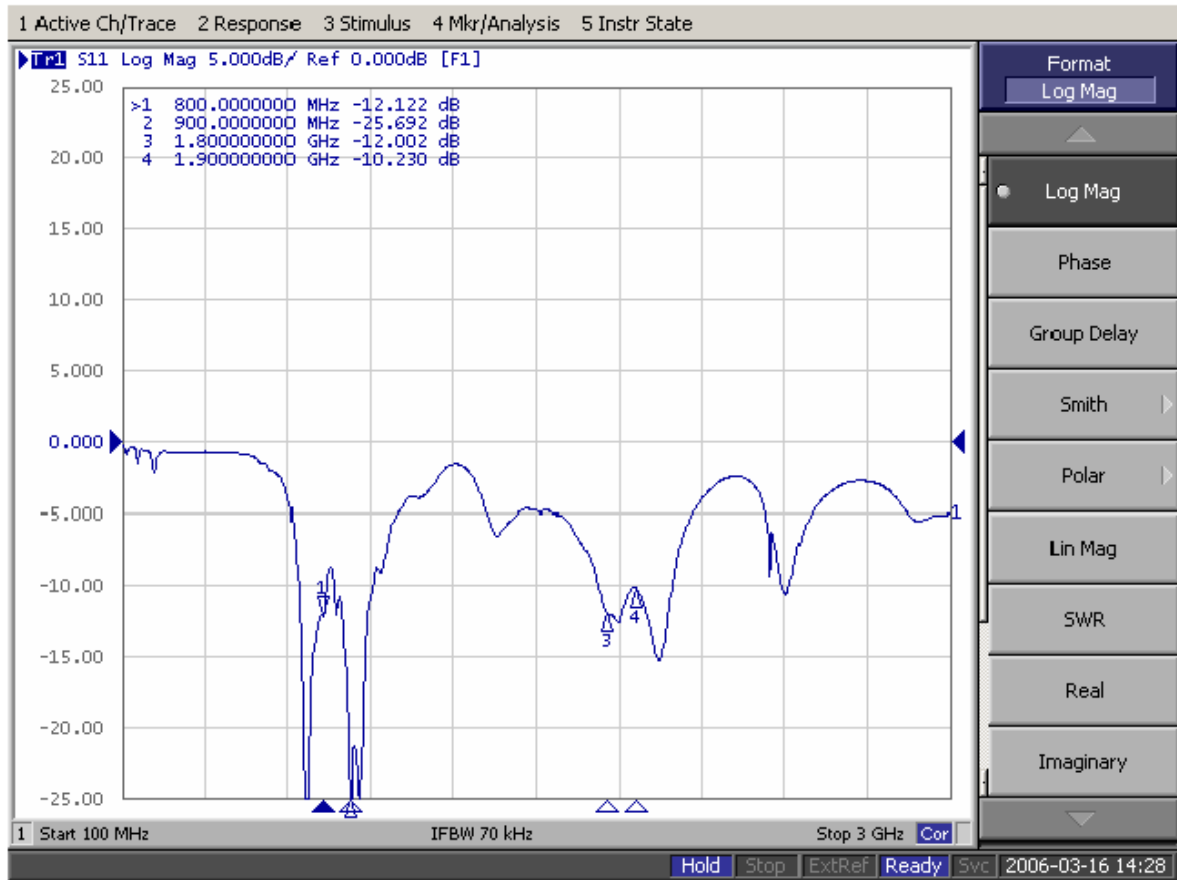
Specifications				
ELECTRICAL				
	AMPS	GSM	PCS	DCS
Band	824-896	880-960	1850-1990	1710-1880
Return Loss	-12 dB	-25 dB	-12 dB	-10 dB
Gain	Average 0 dBi			
Polarization	Linear			
Impedance	50 ohms			
Input Power	10 watts			
Input Connection	Coaxial Cable – Ipex 1.13 100mm MHF Standard, Fully customizable			
VSWR (Min performance)	<2.0:1			
MECHANICAL				
Dimensions (L x W)	42 mm x 42mm			

***note: specifications may be subject to change**



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S11 Magnitude

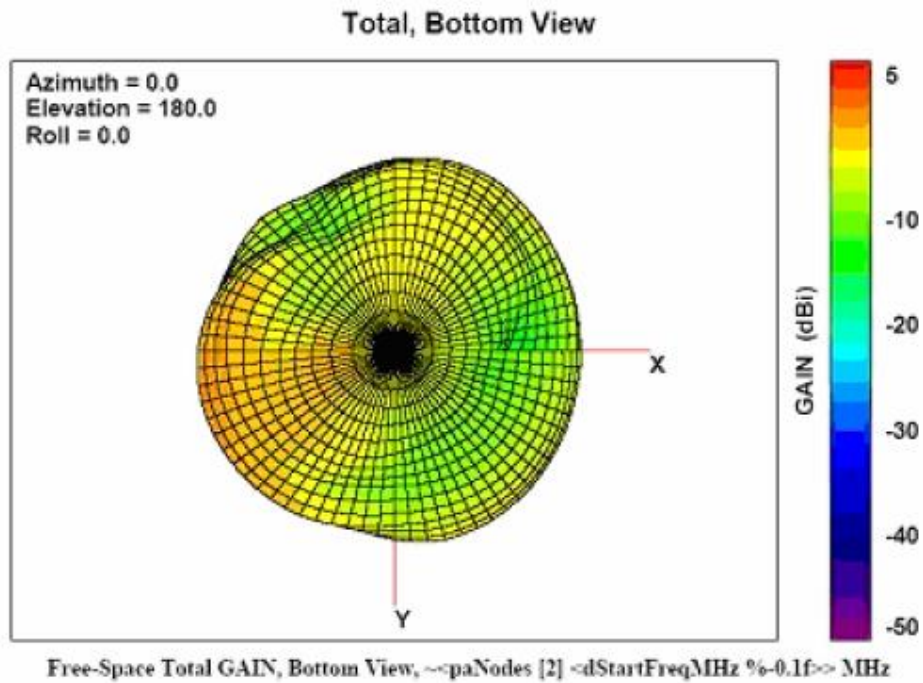


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Taoglas Limited, Unit 7 Peare Campus, Moyne Business Park, Enniscorthy, Co. Wexford, Ireland
info@taoglas.com +353 53 9169500 www.taoglas.com

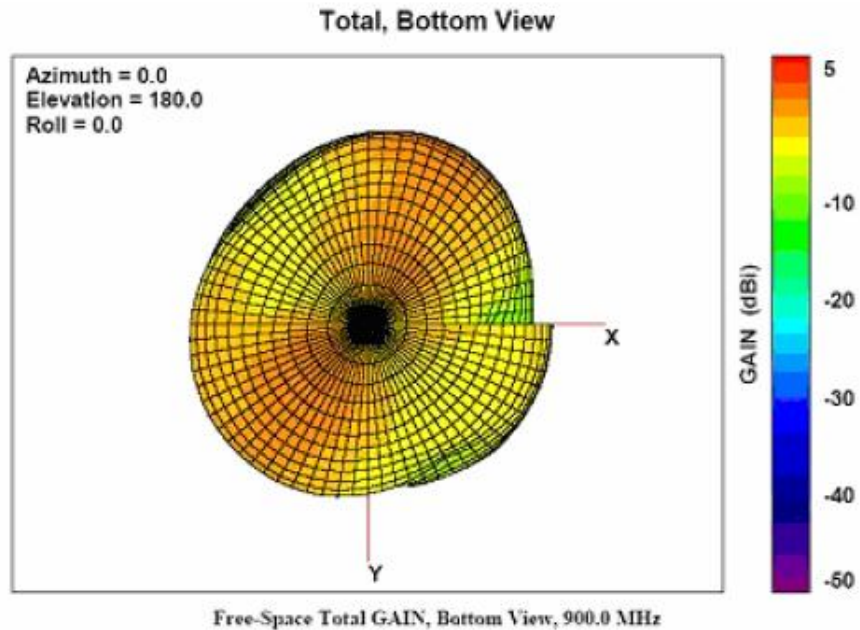


800 MHz – 3D Radiation Pattern

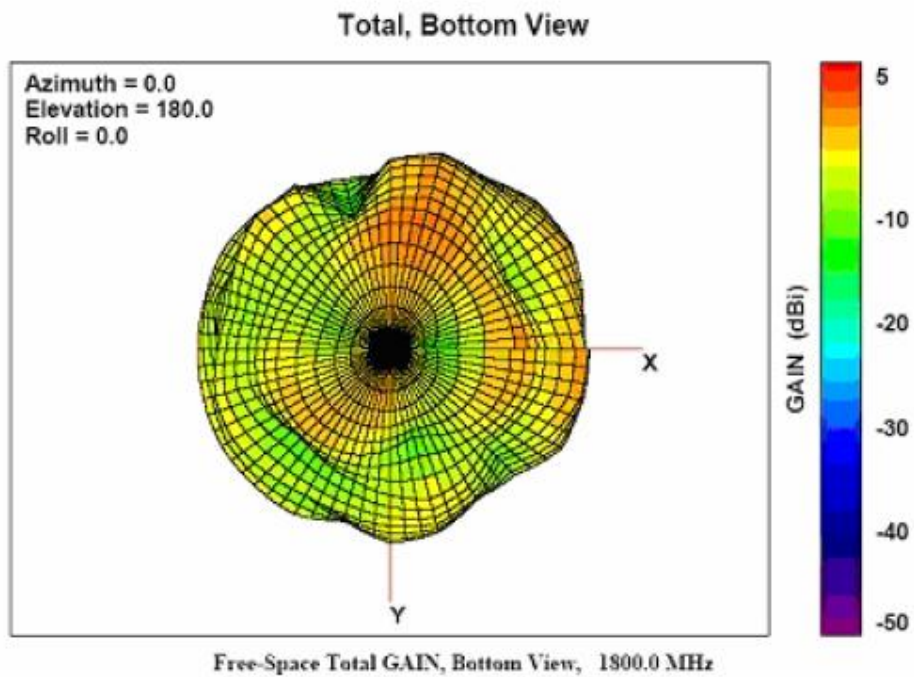




900 MHz – 3D Radiation Pattern



1800 MHz – 3D Radiation Pattern





1900 MHz – 3D Radiation Pattern

