



Specification

SPECIFICATION

- Part No. : **TG-22-02**
- Product Name : Penta-Band Cellular Connector Mount Dipole
GSM-DCS-PCS-UMTS-CDMA-GPRS-EDGE-HSPA
800MHz ~2200 MHz
- Features : 2dBi Gain
R-SMA straight plug, 50 Ohms
ROHS Compliant
- Photo :



REVISION STATUS

Version	Date	Page	Revision Description	Prepared	Approved
01	Jan 9th 2007	All	Preliminary Specification	TW Product Centre	Ronan Quinlan
02	Dec 8 th 2008	All	New Layout	TW Product Centre	Dermot O'Shea



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1.0 Introduction

The TG-22 Penta-band GSM-DCS-PCS-UMTS-CDMA-GPRS-EDGE-HSPA 800MHz to 2200MHz dipole antenna is a quality robust antenna with high gain in small form factor.

Connection is made via fixed right angle SMA(M) connector With a hardened waterproof PU casing, this antenna is the ideal GSM antenna for telematics devices.

2.0 Antenna Performance

2.1 Electrical Specifications

No	Parameter	Specification
1	Frequency Range	800MHz to 2200MHz
2	Bands	GSM-DCS-PCS-UMTS-CDMA-GPRS-EDGE-HSPA
3	VSWR	≤ 2.3
4	Power Handling	2W
5	Polarization	Linear
6	Impedance	50 Ohms
7	Connector	SMA(M)RA

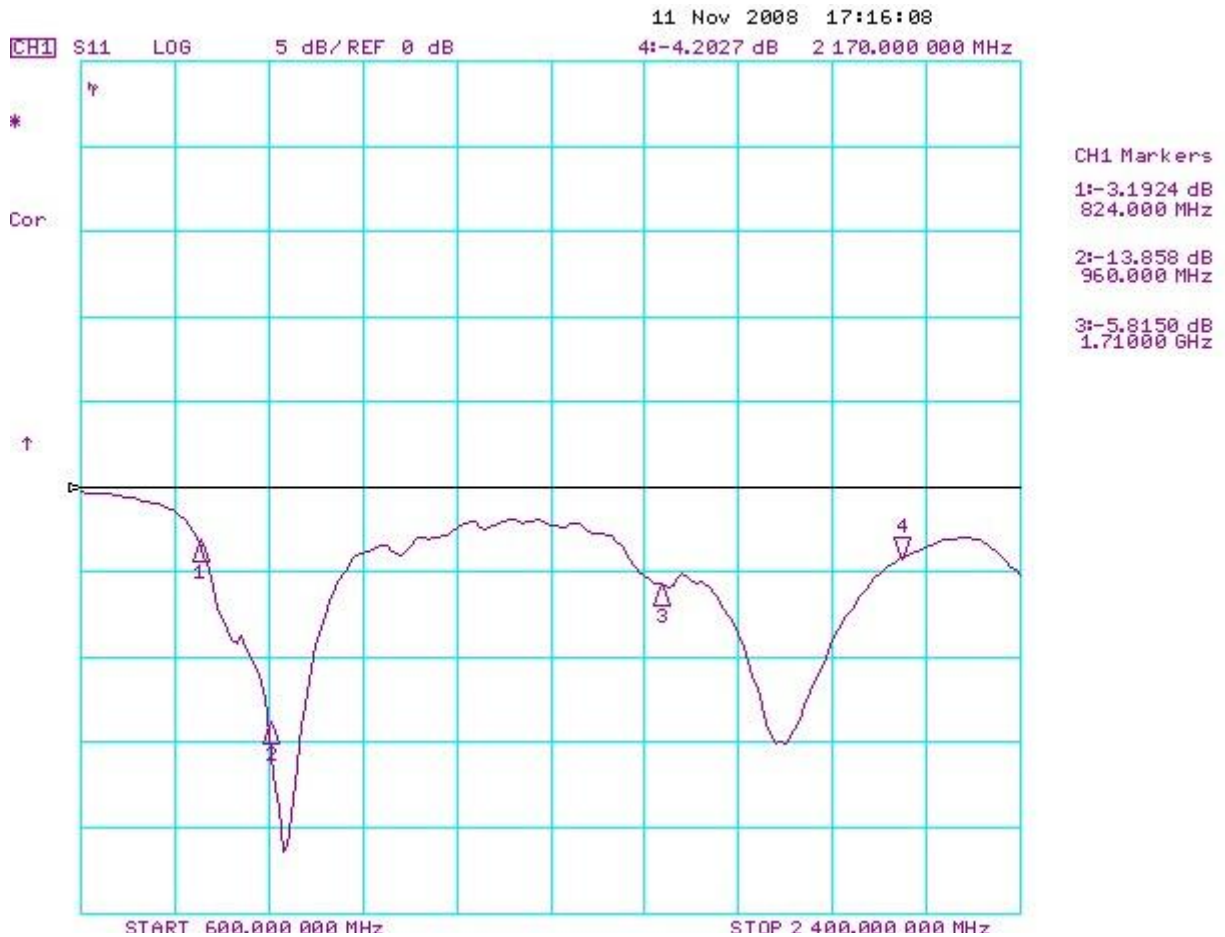
2.2 Environmental & Mechanical Characteristics

No	Parameter	Specification
1	Temperature	-40°C to +85°C
2	Radome Colour	Black
3	Radome Material	Pu
4	Weight	6g



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3.0 Return Loss



4.0 Drawing and Dimensions

