



Specification

# SPECIFICATION

Part No.	:	<b>GSA.8822</b>
Product Name	:	T-Bar Penta-band GSM Antenna Works with GSM / CDMA / PCS / DCS /UMTS/ WCDMA
Features	:	Low profile for easy installation Fully customized cable and connector <b>RoHS Compliant</b>
Photo	:	



Top View



Side



## Specification

### 1.0 Introduction

The GSA.8822 T-Bar is flexible and robust for fast installation. It is designed for covert and convenient use in the Telematics industry. It is ideal for tracking systems and cellular car kits.

The antenna has been subject to rigorous IP67 waterproof testing and can handle full immersion in water for extended periods of time.

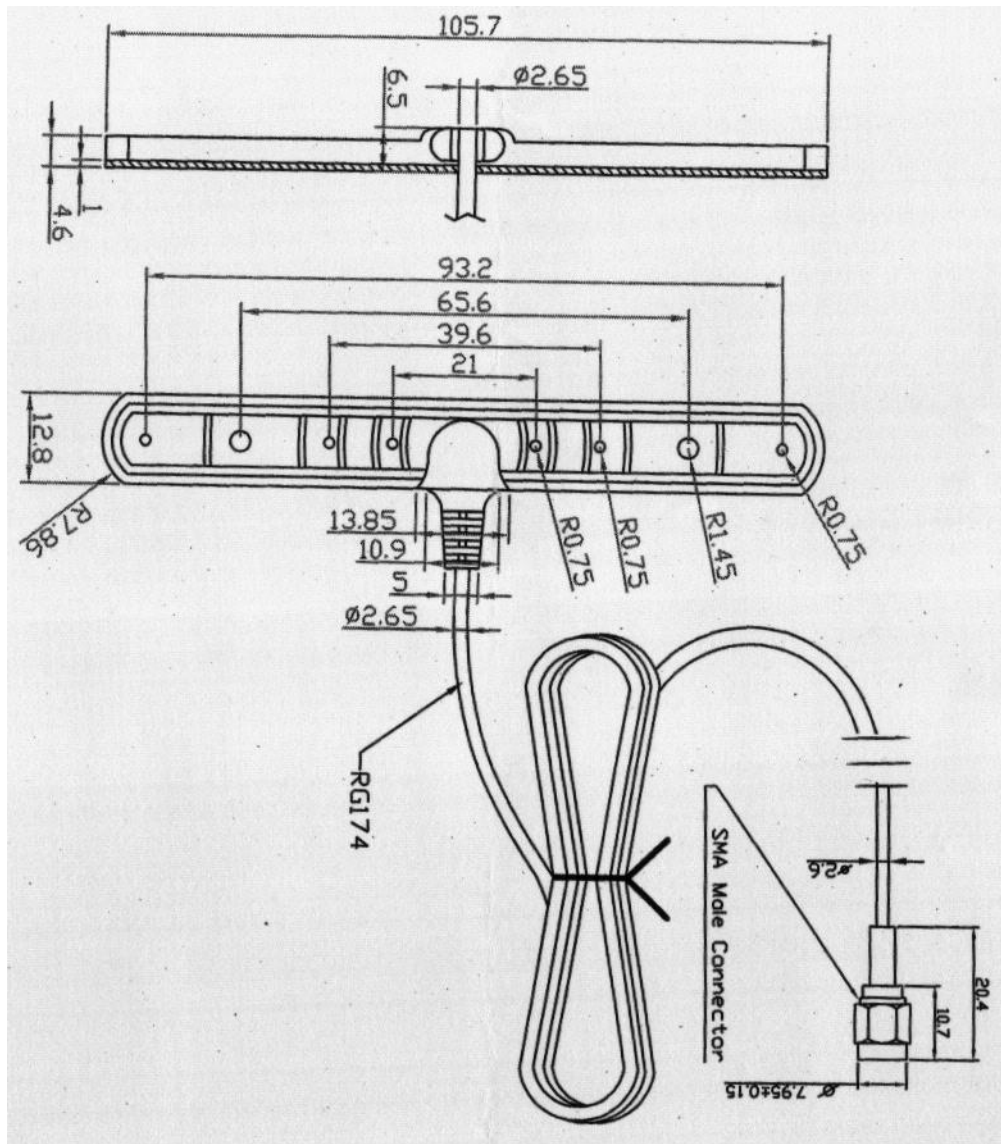
### 2.0 Antenna Specifications

<b>ELECTRICAL</b>					
	<b>AMPS</b>	<b>GSM</b>	<b>DCS</b>	<b>PCS</b>	<b>UMTS</b>
Band	824-896	880-960	1710-1880	1850-1990	1710- 2170
Average Gain	3dBi				
Polarization	Linear				
Impedance	50 ohms				
Input Power	10 watts				
Input Connection	Coaxial Cable - RG174 Standard, Fully customizable				
VSWR (Min performance)	<2.0:1				
<b>MECHANICAL</b>					
Dimensions (L x W x H)	Length 105.7mm x Width 14mm x Height 6.5mm				
Weight	40g				
Casing	UV Resistant TPE				
Waterproofing	Sealing Film				
<b>ENVIRONMENTAL</b>					
Waterproof	IP-67 - No internal water entry				
	after 30mins immersion in 1M water				
Temperature Range	-40°C to +85°C				
Thermal Shock	100 cycles -40°C to +80°C				
Humidity	Non-condensing 65°C 95% RH				
Shock (Drop Test)	1m drop on concrete 6 axes				
Cable Pull	8 KGf				



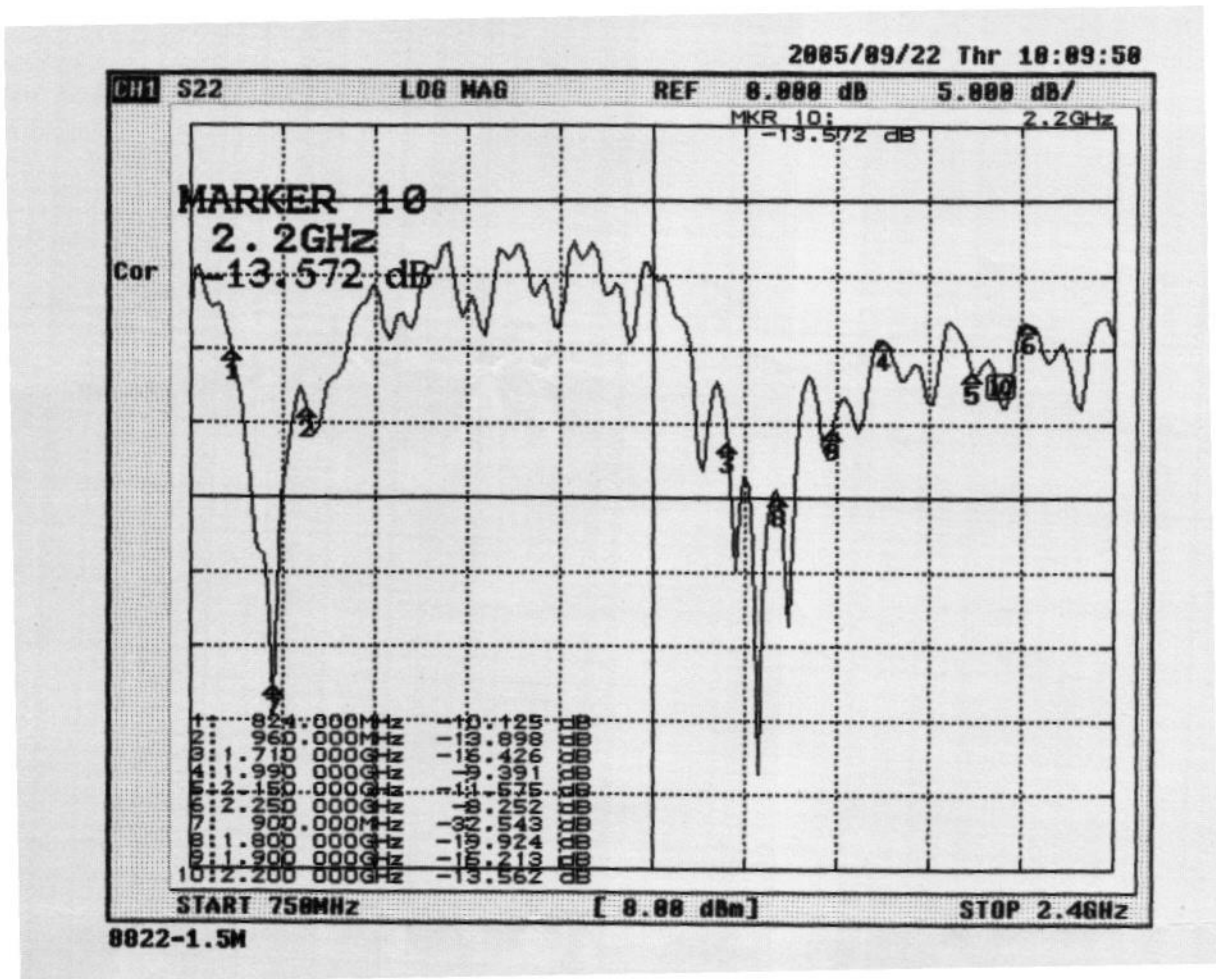
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### 3.0 Outline Drawing



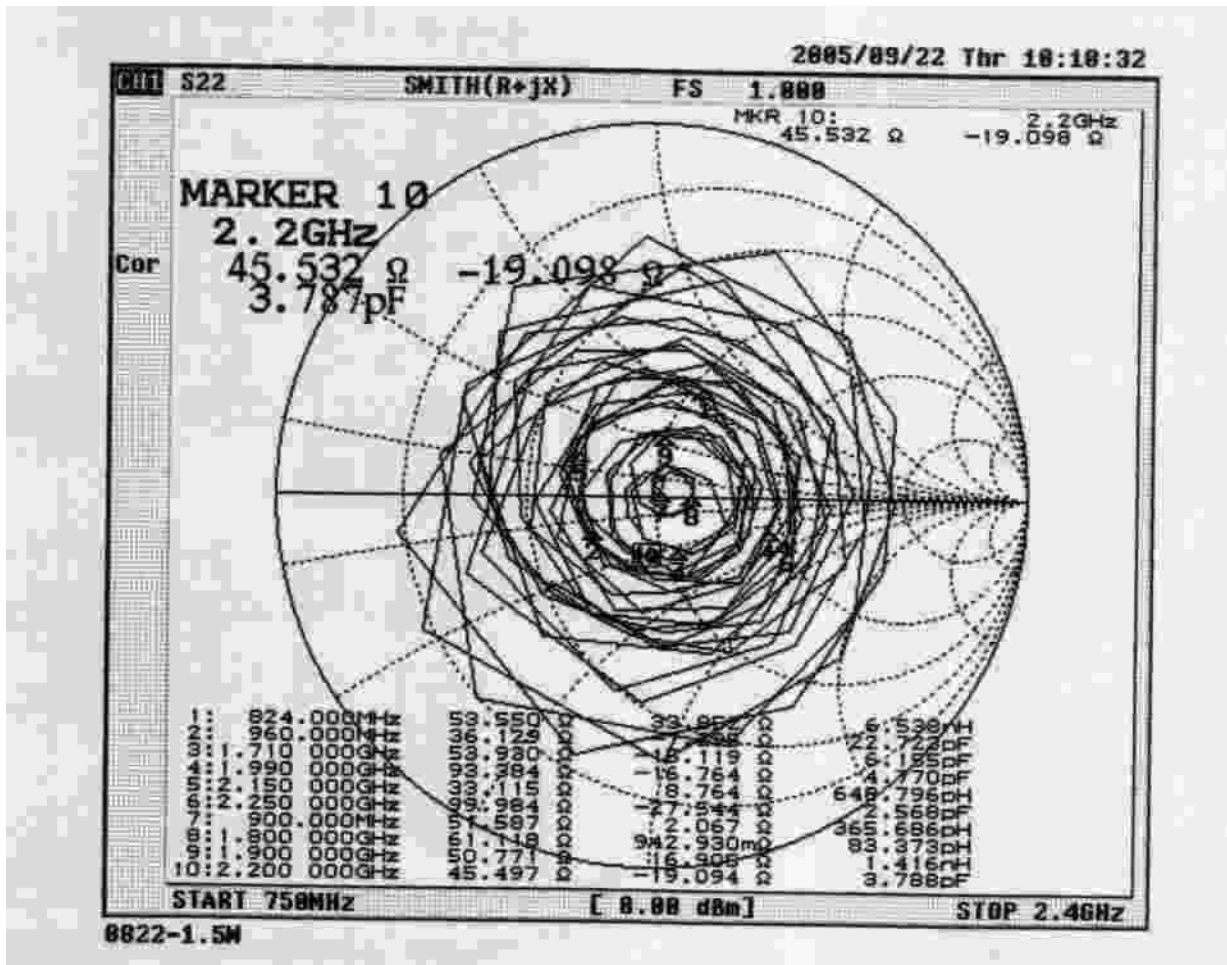


## 4.0 Return Loss





# 4.1 Smith Chart





## 4.2 VSWR

