

# CAR GSM/3G/LTE ANTENNA

## MODEL: TC-700

Inside Glass Antenna



### 1. GENERAL DESCRIPTION

Model No	P/N
TC700	TC700-3M-SMA-M

Below is a table summarizing the antenna design specification.

#### 1.2 Electrical Properties

Parameter	Description
Frequency Band	690-960/1710-1990/1990-2170/2300-2700 Mhz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical	Dipole
V.S.W.R	2.5:1
Antenna Average Gain	0-3.0dBi
Note: Gain includes the cable loss	

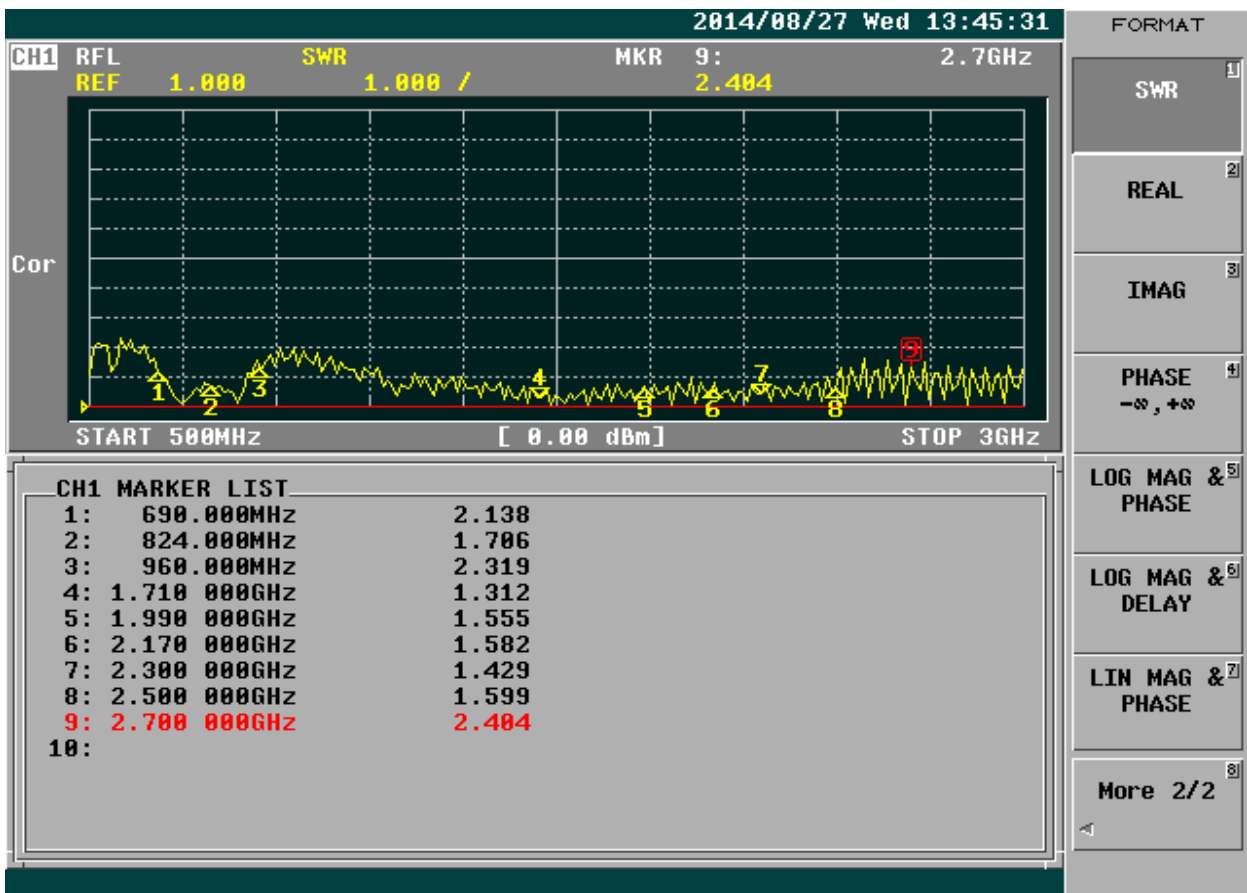
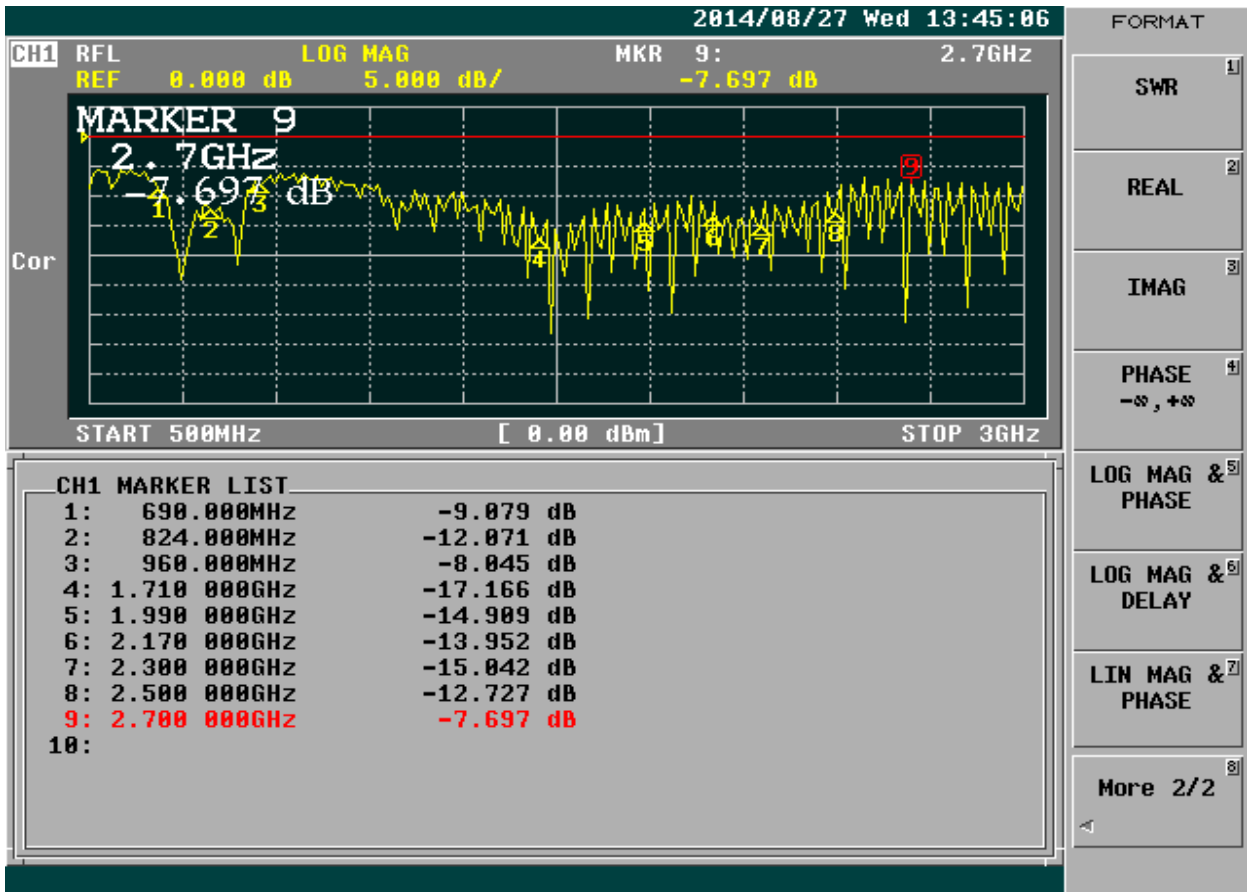
#### 1.2 Mechanical Properties

Parameter	Description
Antenna Type	Inside Glass Antenna

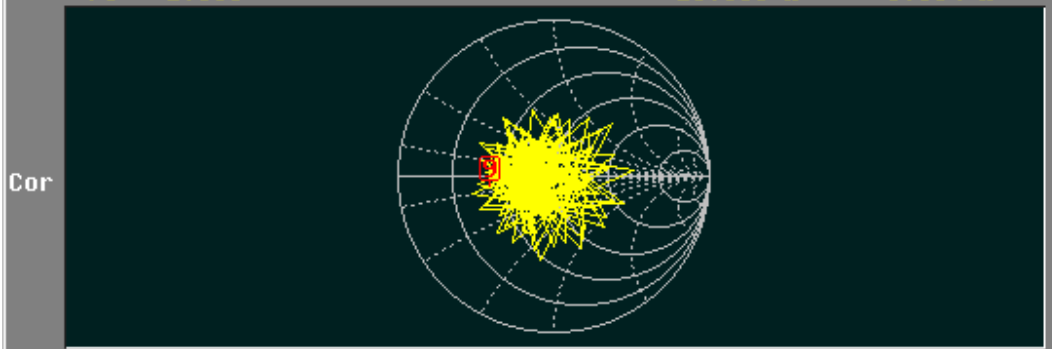
Antenna Material	Φ8mm x 60mm Heat-shrinkable sleeves
Touch Type	3M Type
Connector Type	SMA-Type
Antenna Dimensions	60x9.7x1.7mm ± 1
Antenna Cable Total Length	3000mm ± 10
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

## 2. FREQUENCY





CH1 RFL SMITH(R+jX) MKR 9: 2.7GHz  
 FS 1.000 20.893 Ω -3.884 Ω



START 500MHz [ 0.00 dBm] STOP 3GHz

CH1 MARKER LIST

1:	690.000MHz	33.851 Ω	12.817 Ω	2.956nH
2:	824.000MHz	33.336 Ω	8.345 Ω	1.612nH
3:	960.000MHz	39.426 Ω	20.607 Ω	3.416nH
4:	1.710 000GHz	43.355 Ω	-5.941 Ω	15.664pF
5:	1.990 000GHz	35.177 Ω	7.197 Ω	575.603pH
6:	2.170 000GHz	33.845 Ω	-2.052 Ω	35.730pF
7:	2.300 000GHz	36.640 Ω	-7.666 Ω	9.025pF
8:	2.500 000GHz	34.572 Ω	-12.270 Ω	5.188pF
9:	2.700 000GHz	20.893 Ω	-3.884 Ω	19.107pF
10:				

FORMAT

LOG MAG

PHASE

DELAY

SMITH  
(R+jX)

SMITH  
(G+jB)

POLAR

LIN MAG

More 1/2