

# Omni-Directional GSM Antenna

## MODEL: TH-260D



### GENERAL DESCRIPTION

Model No	P/N
	TH-260D-RG174-5M-MCX

Below is a table summarizing the antenna design specification.

#### 1.1 Electrical Properties

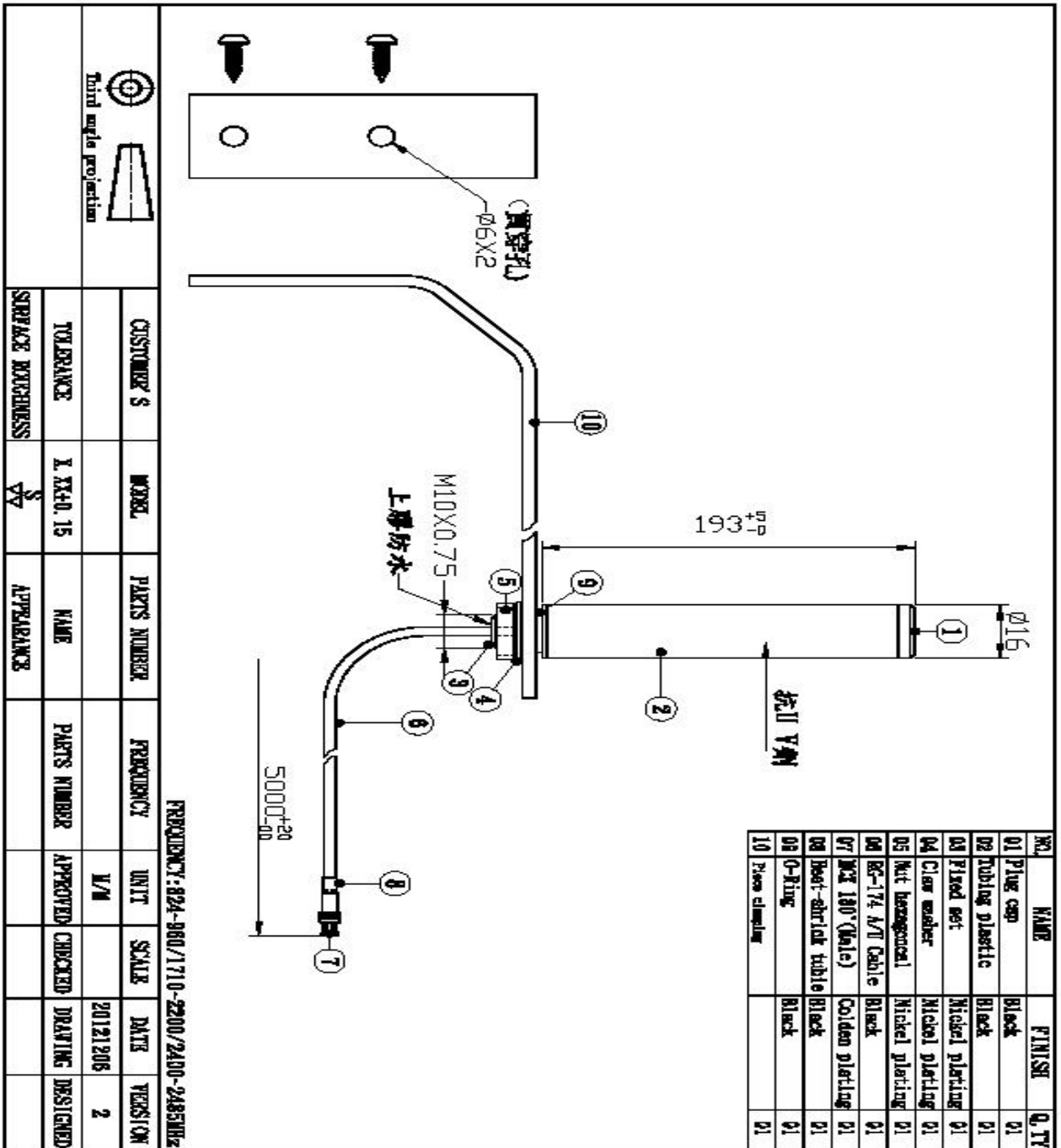
Parameter	Description
Frequency Band	824-960/1710-1990/1990-2170/2400-2500Mhz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0:1
Antenna Average Gain	2 dBi
Note: Gain includes the cable loss	

#### 1.2 Mechanical Properties

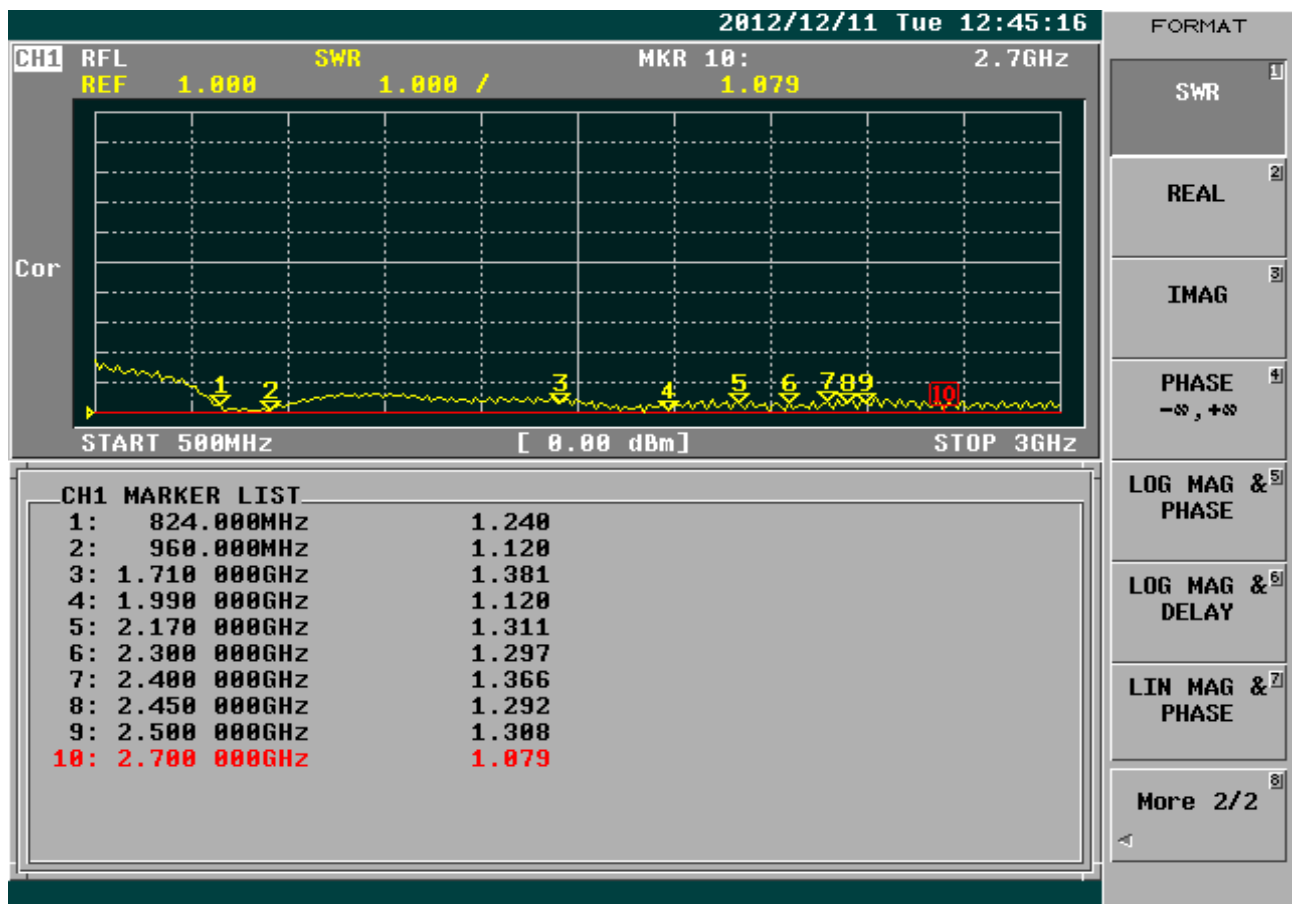
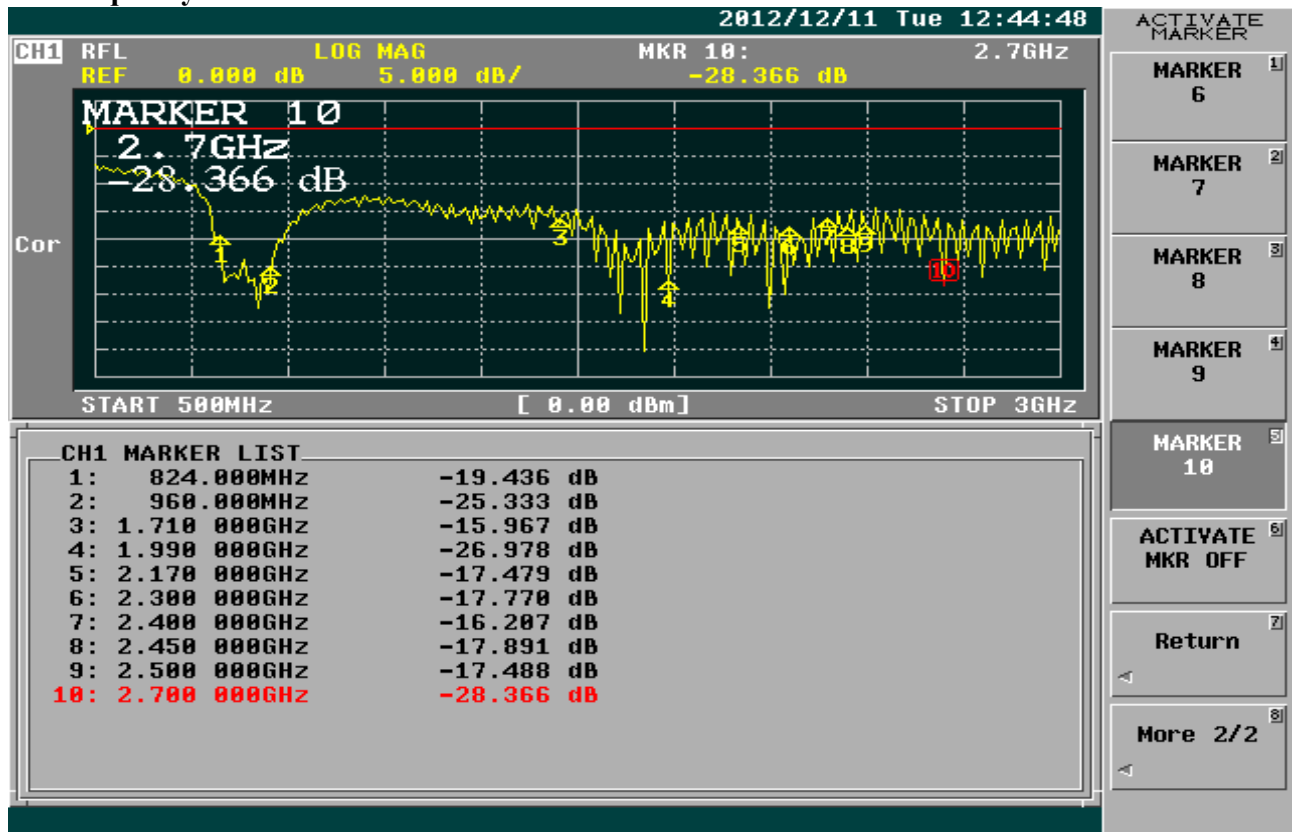
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	MCX 180°(male)

Antenna Dimensions	193 mm ± 5
Antenna Cable Total Length	RG174- 5000 mm ± 20
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-40°C~+80°C
Water Resistance	IP65

### 1. Appearance

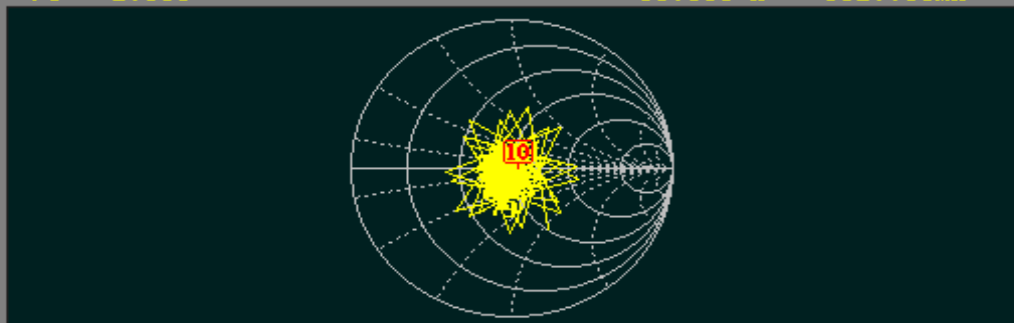


## 2. Frequency



CH1 RFL SMITH(R+jX) MKR 10: 2.7GHz  
 FS 1.000 53.989 Ω 632.735mΩ

Cor



START 500MHz [ 0.00 dBm] STOP 3GHz

CH1 MARKER LIST

1:	824.000MHz	44.003 Ω	-6.326 Ω	30.532pF
2:	960.000MHz	46.210 Ω	1.644 Ω	272.663pH
3:	1.710 000GHz	43.272 Ω	7.863 Ω	731.912pH
4:	1.990 000GHz	50.012 Ω	91.006mΩ	7.278pH
5:	2.170 000GHz	41.842 Ω	-4.199 Ω	17.464pF
6:	2.300 000GHz	38.719 Ω	-1.973 Ω	35.070pF
7:	2.400 000GHz	39.975 Ω	-9.792 Ω	6.772pF
8:	2.450 000GHz	43.475 Ω	10.065 Ω	653.894pH
9:	2.500 000GHz	47.403 Ω	-12.860 Ω	4.950pF
10:	2.700 000GHz	53.989 Ω	632.735mΩ	37.297pH

FORMAT

- LOG MAG
- PHASE
- DELAY
- SMITH (R+jX)
- SMITH (G+jB)
- POLAR
- LIN MAG
- More 1/2