

## Specification:

## GSM-9018-03-MB

900MHz/1800MHz GSM 圓形基座天線-3dBi

Technical Information	
Item No.	GSM-9018-03-MB
Frequency	824-960MHz 1710-2170MHz
Gain	3 dBi
Polarization	Vertical
VSWR	≤ 4.0:1
Impedance	50 Ω
Dimensions	
Size	H 285 mm
Cable length	RG174 ,L=1.5M
Weight	41 g
Connector	RP SMA Type Male

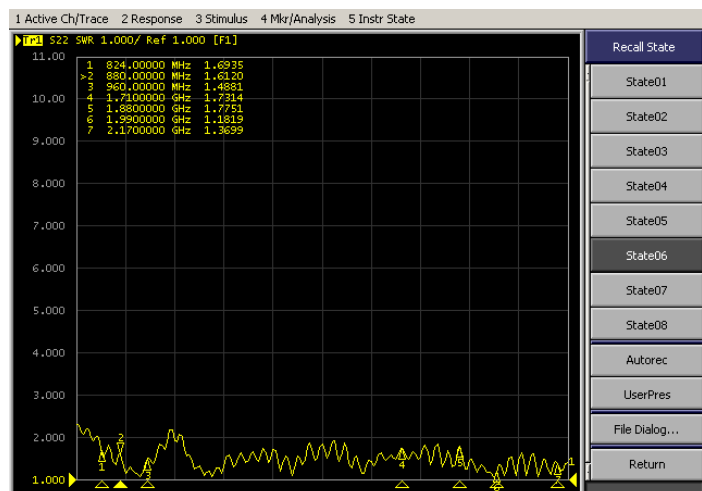


## 2.Specification

## 1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

## 3.S Parameter Test data



A. Electrical Characteristics	
S.W.R.	824-960MHz: ≤ 4.0 1710-2170MHz: ≤ 4.0
Antenna Gain	3.0 dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	SMA
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	-30 °C ~+ 85 °C

## 4. Antenna Radiation Pattern

Testing Equipment Specification:  
 Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m  
 Quiet Zone: 600mm @1 GHz  
 Isolation: >100dB @ 1 MHz ~ 10 GHz  
 Testing Equipment: Agilent 5071B  
 Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration  
**Double Ridged Horn Antenna**

