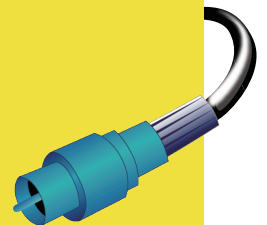
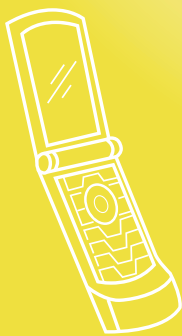


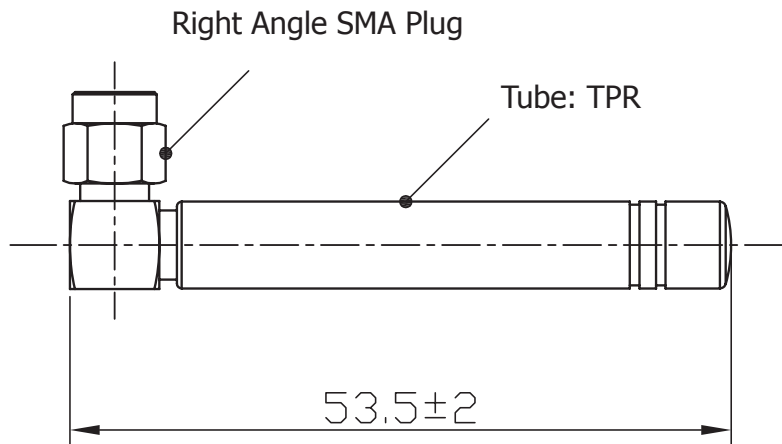
## PRODUCT SPECIFICATION

# GSM Quad Band Antenna with Right Angle SMA



## GSM Quad Band Antenna with Right Angle SMA

### Structure Figure



### Mechanical

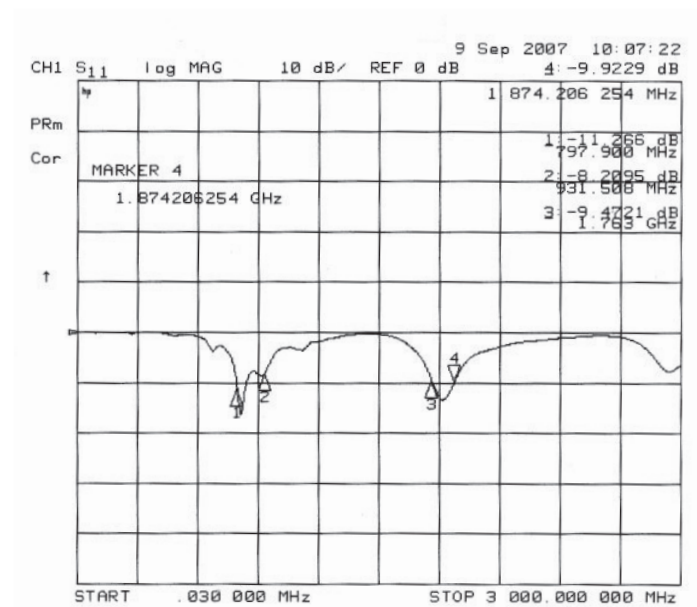
Antenna Tube	TPR
Tube Color	Black
Operating Temperature	-20°C~+60°C
Storage Temperature	-30°C~+75°C
Connector Type	Right Angle SMA Plug
Connector Plating	Nickel

### Electrical

Frequency Range	850/900/1800/1900MHz
Impedance	50 Ω
VSWR	2.0 Max
Gain	2.0 dBi
Electrical Wave	1/2λ, Dipole
Radiation	Omni
Polarization	Vertical

### Test Report

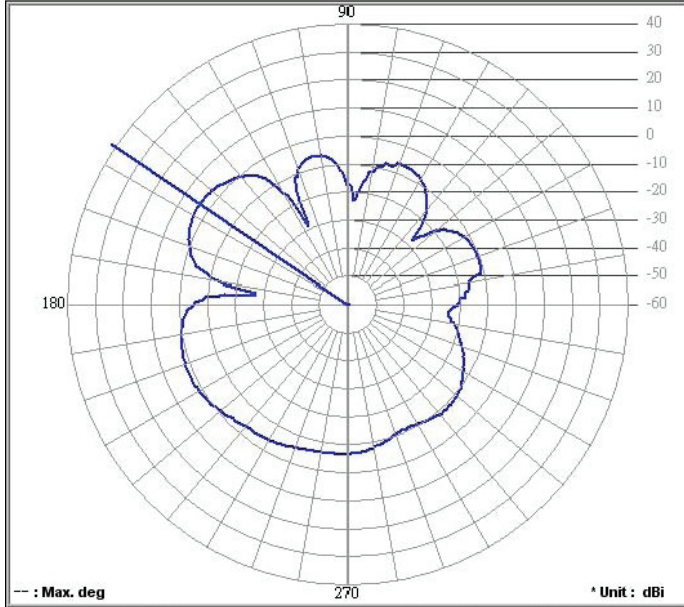
#### Return Loss



# Test Report (Horizontal)

## Far field amplitude at 836.5 MHz

Location: **RF CHAMBER 3**      Date: **2008/5/14**      Time: **下午 07:02:34**  
 Temperature (°C): **25**      Humidity (%): **75**      Approved by:

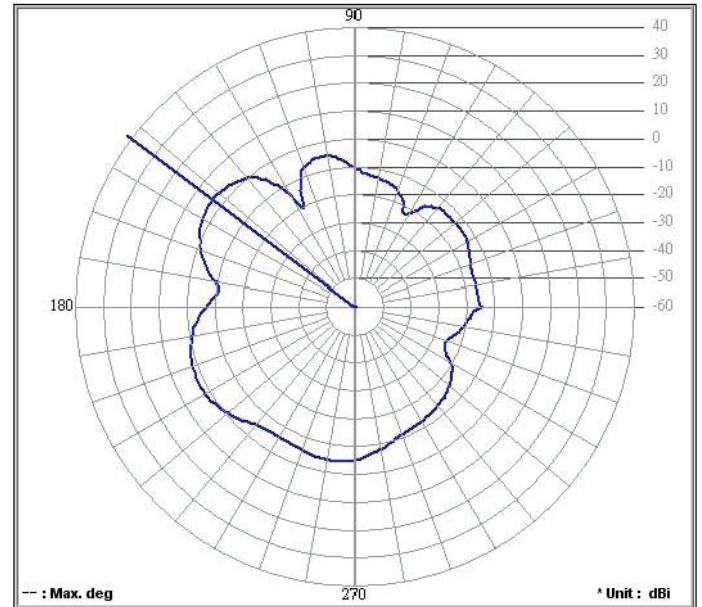


Frequency (MHz): **836.50**      Antenna Polarity: **Horizontal**      Average Value (dB): **-4.10**  
 Maximum Value (dB): **3.51**      Maximum Value (degree): **146**  
 Minimum Value (dB): **-29.21**      Minimum Value (degree): **117**

V6.2

## Far field amplitude at 897.4 MHz

Location: **RF CHAMBER 3**      Date: **2008/5/14**      Time: **下午 07:04:58**  
 Temperature (°C): **25**      Humidity (%): **75**      Approved by:

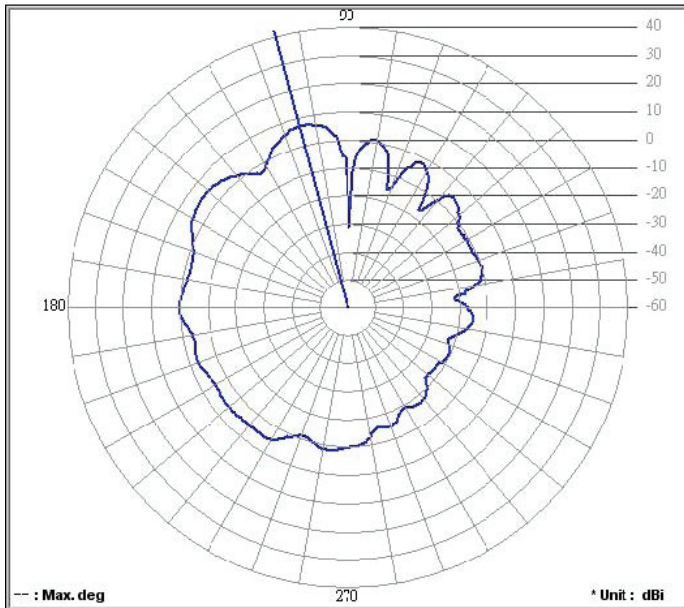


Frequency (MHz): **897.40**      Antenna Polarity: **Horizontal**      Average Value (dB): **-4.35**  
 Maximum Value (dB): **3.47**      Maximum Value (degree): **143**  
 Minimum Value (dB): **-25.40**      Minimum Value (degree): **337**

V6.2

## Far field amplitude at 1747.4 MHz

Location: **RF CHAMBER 3**      Date: **2008/5/14**      Time: **下午 07:16:05**  
 Temperature (°C): **25**      Humidity (%): **75**      Approved by:

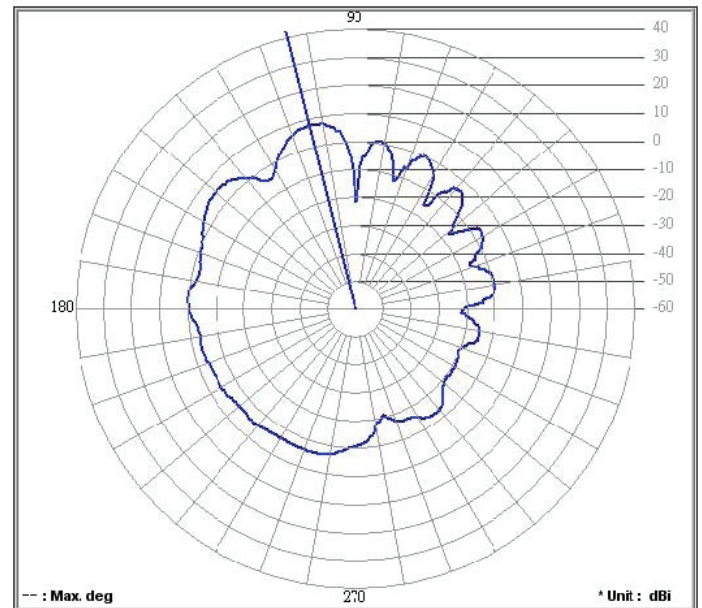


Frequency (MHz): **1747.40**      Antenna Polarity: **Horizontal**      Average Value (dB): **-2.01**  
 Maximum Value (dB): **7.05**      Maximum Value (degree): **105**  
 Minimum Value (dB): **-31.45**      Minimum Value (degree): **89**

V6.2

## Far field amplitude at 1868 MHz

Location: **RF CHAMBER 3**      Date: **2008/5/14**      Time: **下午 07:14:13**  
 Temperature (°C): **25**      Humidity (%): **75**      Approved by:



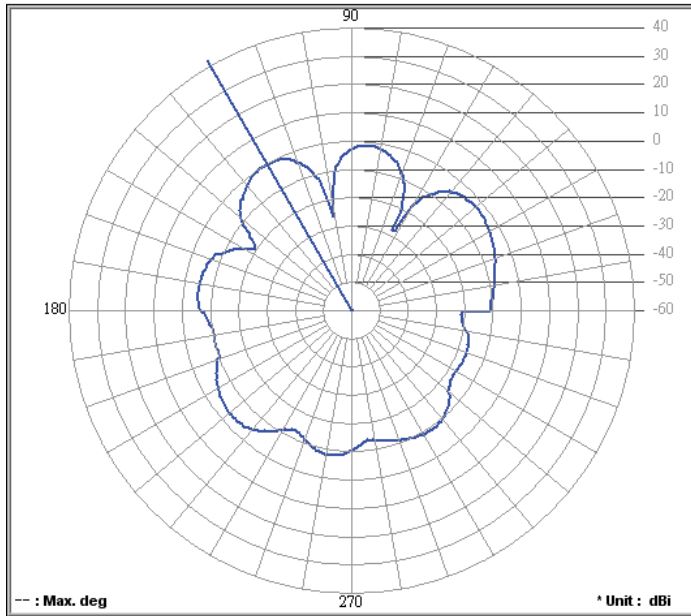
Frequency (MHz): **1868.00**      Antenna Polarity: **Horizontal**      Average Value (dB): **-1.84**  
 Maximum Value (dB): **7.73**      Maximum Value (degree): **104**  
 Minimum Value (dB): **-22.00**      Minimum Value (degree): **358**

V6.2

# Test Report (Vertical)

## Far field amplitude at 836.5 MHz

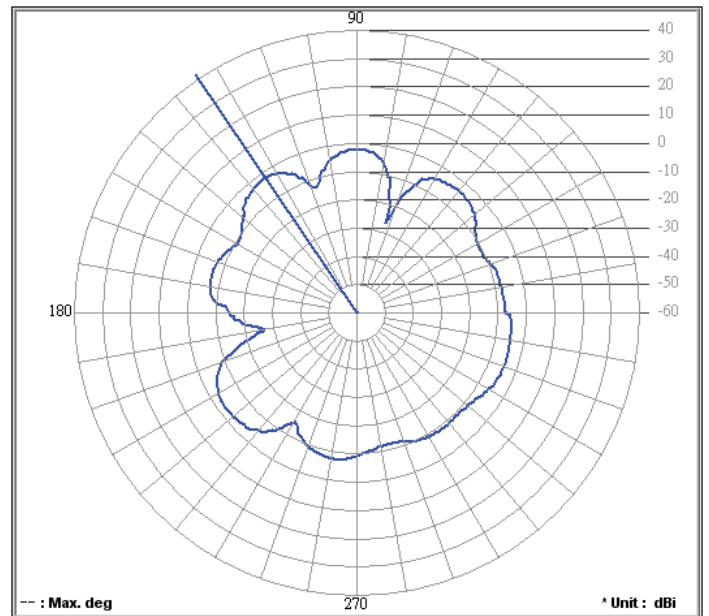
Location: **RF CHAMBER 3** Date: **2008/5/14** Time: **下午 07:00:23**  
 Temperature (°C): **25** Humidity (%): **75** Approved by:



Frequency (MHz): **836.50** Antenna Polarity: **Vertical** Average Value (dB): **-6.64**  
 Maximum Value (dB): **-0.26** Maximum Value (degree): **120**  
 Minimum Value (dB): **-28.06** Minimum Value (degree): **62**

## Far field amplitude at 897.4 MHz

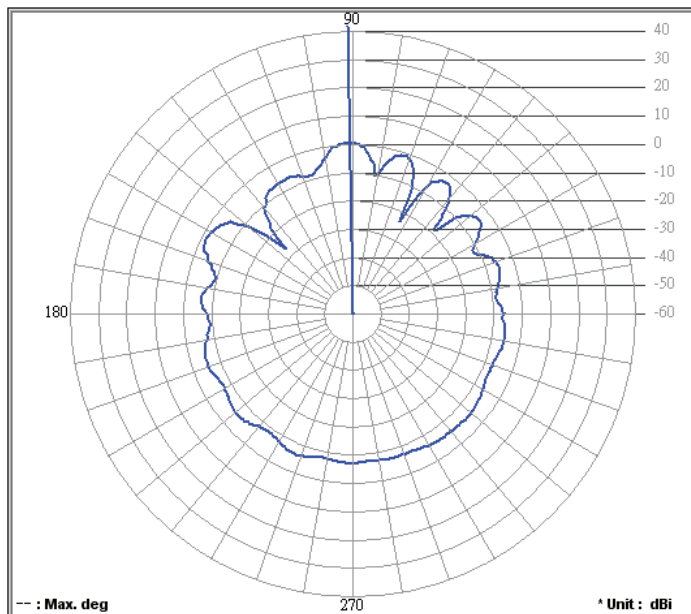
Location: **RF CHAMBER 3** Date: **2008/5/14** Time: **下午 07:06:26**  
 Temperature (°C): **25** Humidity (%): **75** Approved by:



Frequency (MHz): **897.40** Antenna Polarity: **Vertical** Average Value (dB): **-6.72**  
 Maximum Value (dB): **-2.16** Maximum Value (degree): **124**  
 Minimum Value (dB): **-26.56** Minimum Value (degree): **190**

## Far field amplitude at 1747.4 MHz

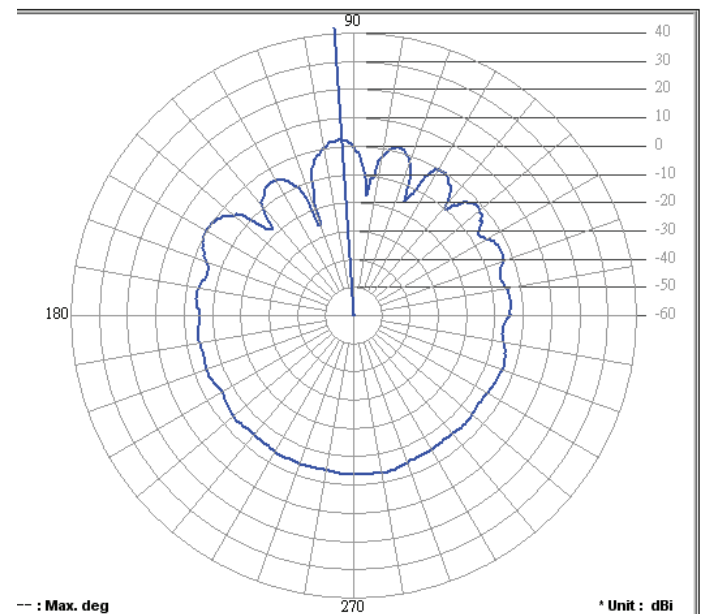
Location: **RF CHAMBER 3** Date: **2008/5/14** Time: **下午 07:10:18**  
 Temperature (°C): **25** Humidity (%): **75** Approved by:



Frequency (MHz): **1747.40** Antenna Polarity: **Vertical** Average Value (dB): **-5.98**  
 Maximum Value (dB): **0.60** Maximum Value (degree): **91**  
 Minimum Value (dB): **-27.03** Minimum Value (degree): **136**

## Far field amplitude at 1868 MHz

Location: **RF CHAMBER 3** Date: **2008/5/14** Time: **下午 07:12:04**  
 Temperature (°C): **25** Humidity (%): **75** Approved by:



Frequency (MHz): **1868.00** Antenna Polarity: **Vertical** Average Value (dB): **-3.90**  
 Maximum Value (dB): **2.26** Maximum Value (degree): **94**  
 Minimum Value (dB): **-25.79** Minimum Value (degree): **110**