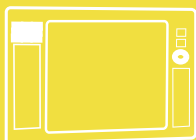




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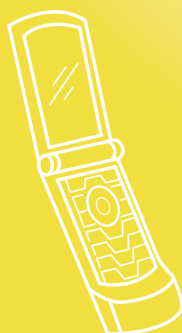
047



PRODUCT SPECIFICATION

GSM 850/900/1800/1900MHz Antenna Swivel type

Product No. AR003WSG0819N (RP-SMA Plug)
AR003WSG0801N (SMA Plug)



RF Connector, RF Cable & Antenna Manufacturer

E-mail: sales@wellshow.com.tw
Tel: +886-2-24239376 Fax: +886-2-24260387
9F., No.181, Nanrong Rd., Ren-ai Dist., Keelung City 200, Taiwan (R.O.C.)



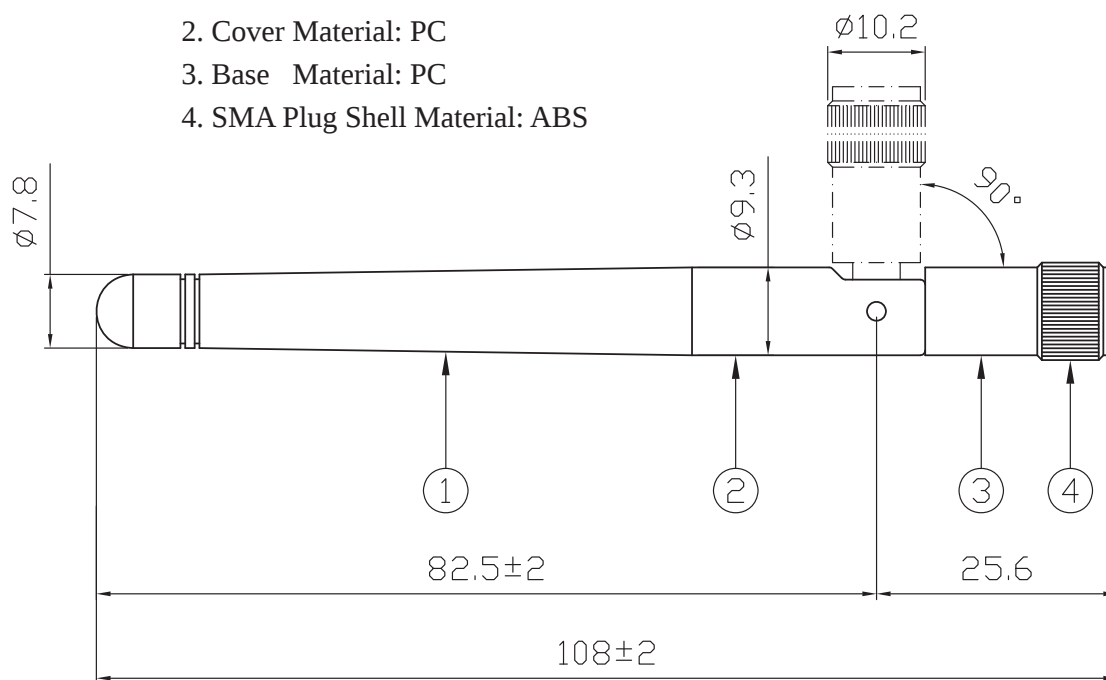
GSM 850/900/1800/1900MHz Antenna Swivel type

Product No. AR003WSG0819N (RP-SMA Plug)
AR003WSG0801N (SMA Plug)



Structure Figure

1. Cover Material: PC
2. Cover Material: PC
3. Base Material: PC
4. SMA Plug Shell Material: ABS



Mechanical

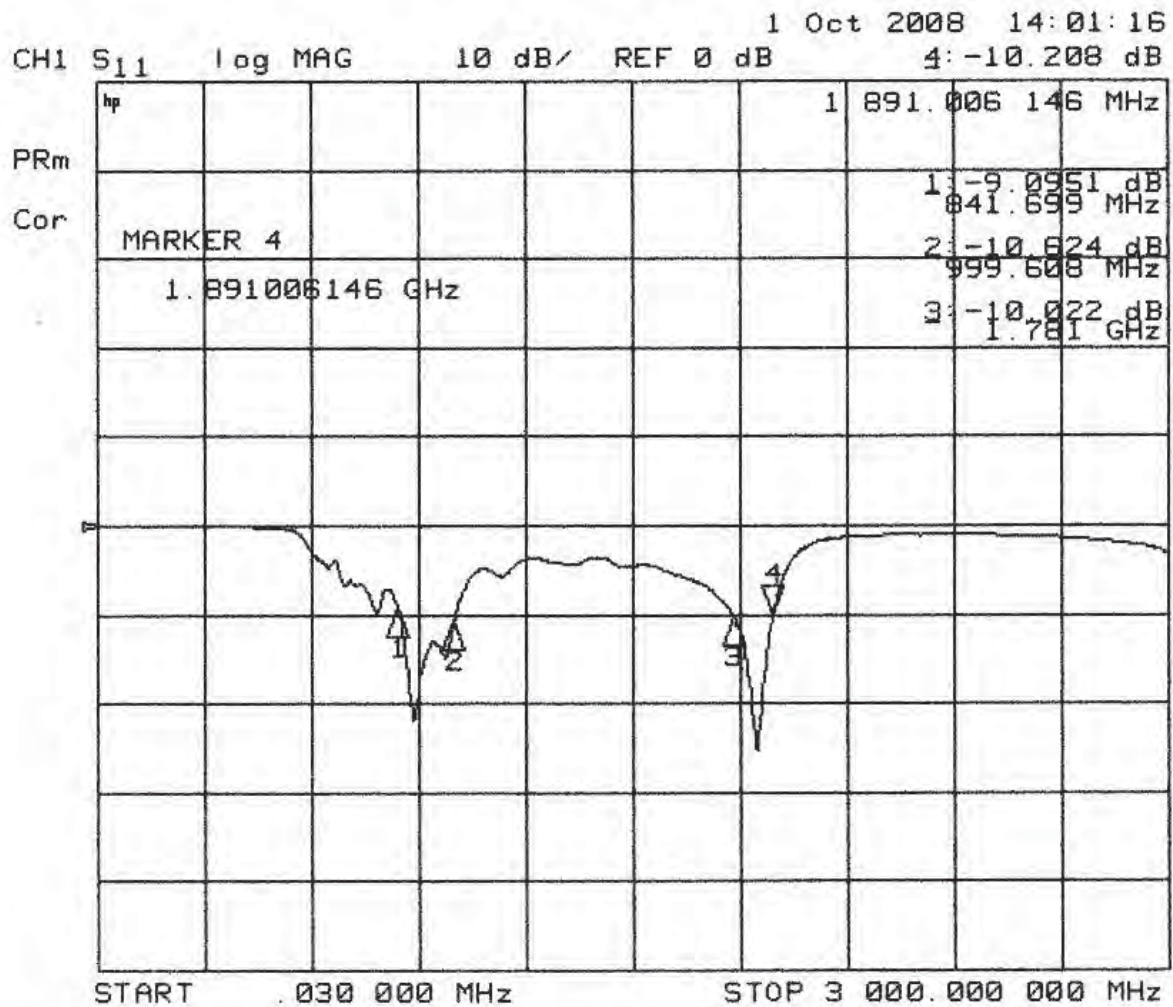
Antenna Cover	PC
Antenna Base	PC
Operating Temperature	-20°C~+65°C
Storage Temperature	-20°C~+75°C
Connector	RP SMA Male (XXX=19N) SMA Male (XXX=01N)
Cable Type	RG178/U

Electrical

Frequency Range	850/900/1800/1900MHz
Impedance	50 Ω
VSWR	2.0 Max
Return Loss	- 10 dB Max
Electrical Wave	Dipole
Gain	2dBi



Test Report





Brand / Model : GSM SWIVEL TYPE Quad Band
Remak : 862MHz
Sample No.
Tested by : MASUN

Location: **RF CHAMBER 3**

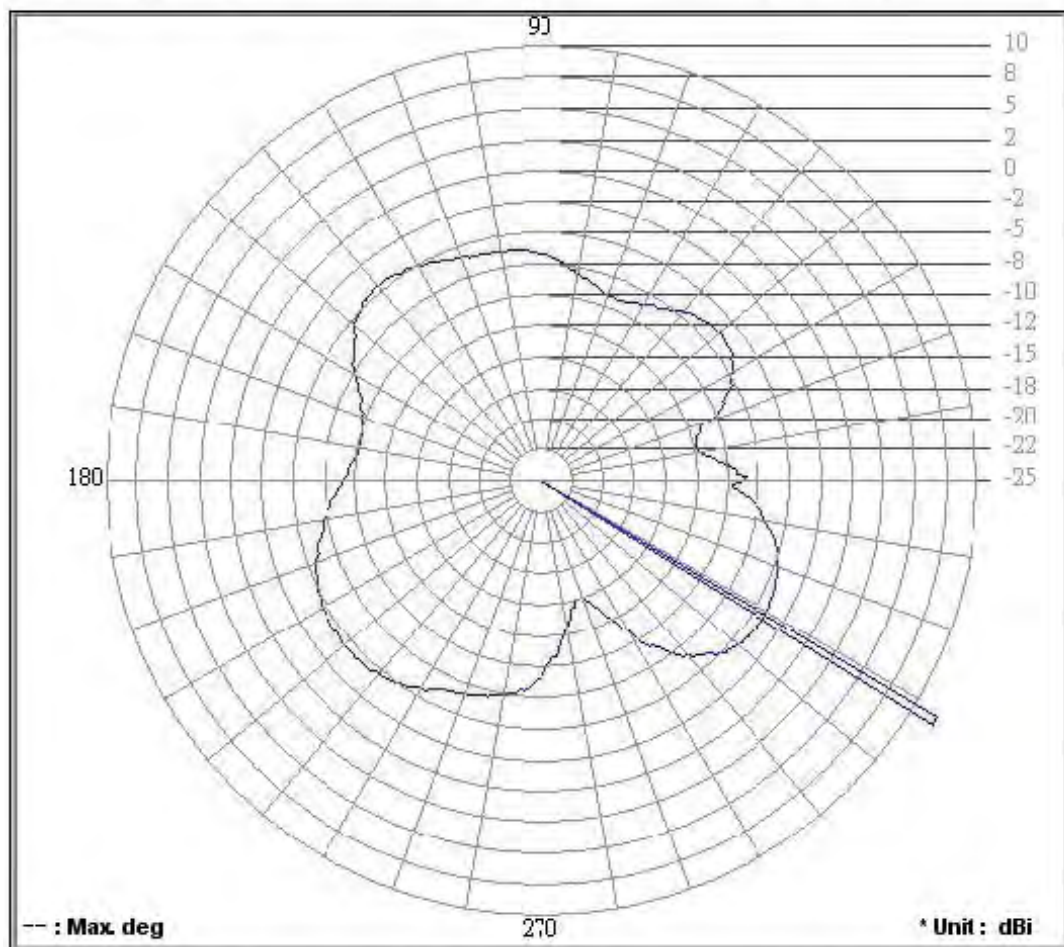
Date: **2008/12/24**

Time: **下午 07:05:08**

Temperature (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **862.00**

Antenna Polarity: **Vertical**

Average Value (dBi): **-4.39**

Maximum Value (dBi): **-1.48**

Maximum Value (degree): **328**

Minimum Value (dBi): **-12.56**

Minimum Value (degree): **287**

V6.2



Brand / Model : GSM SWIVEL TYPE Quad Band
Remark : 925MHz
Sample No.
Tested by : MAGON

Location: **RF CHAMBER 3**

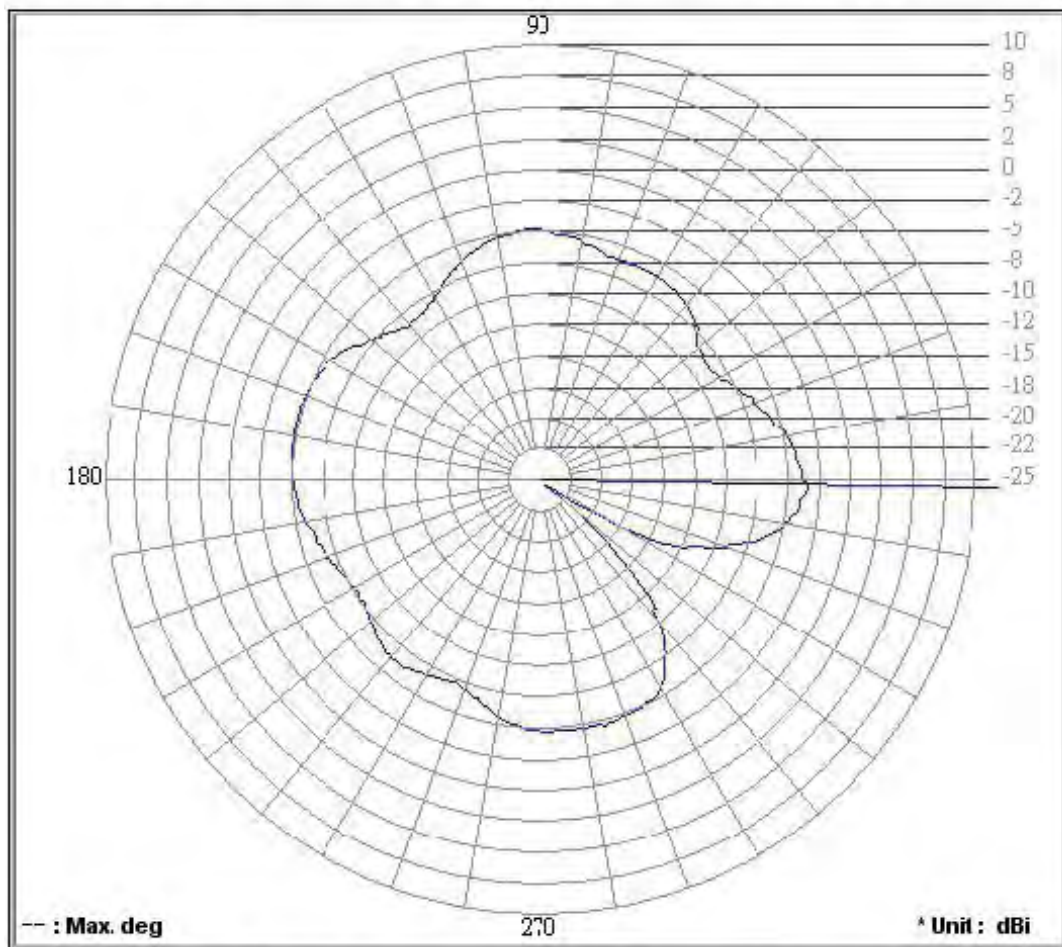
Date: **2008/12/24**

Time: **下午 07:12:11**

Temperature (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **925.00**

Antenna Polarity: **Vertical**

Average Value (dBi): **-3.83**

Maximum Value (dBi): **-0.03**

Maximum Value (degree): **359**

Minimum Value (dBi): **-21.80**

Minimum Value (degree): **323**

V6.2



Brand / Model : GSM SWIVELTYPE Quad Band
Remak : 1795MHz
Sample No.
Tested by : MASON

Location: **RF CHAMBER 3**

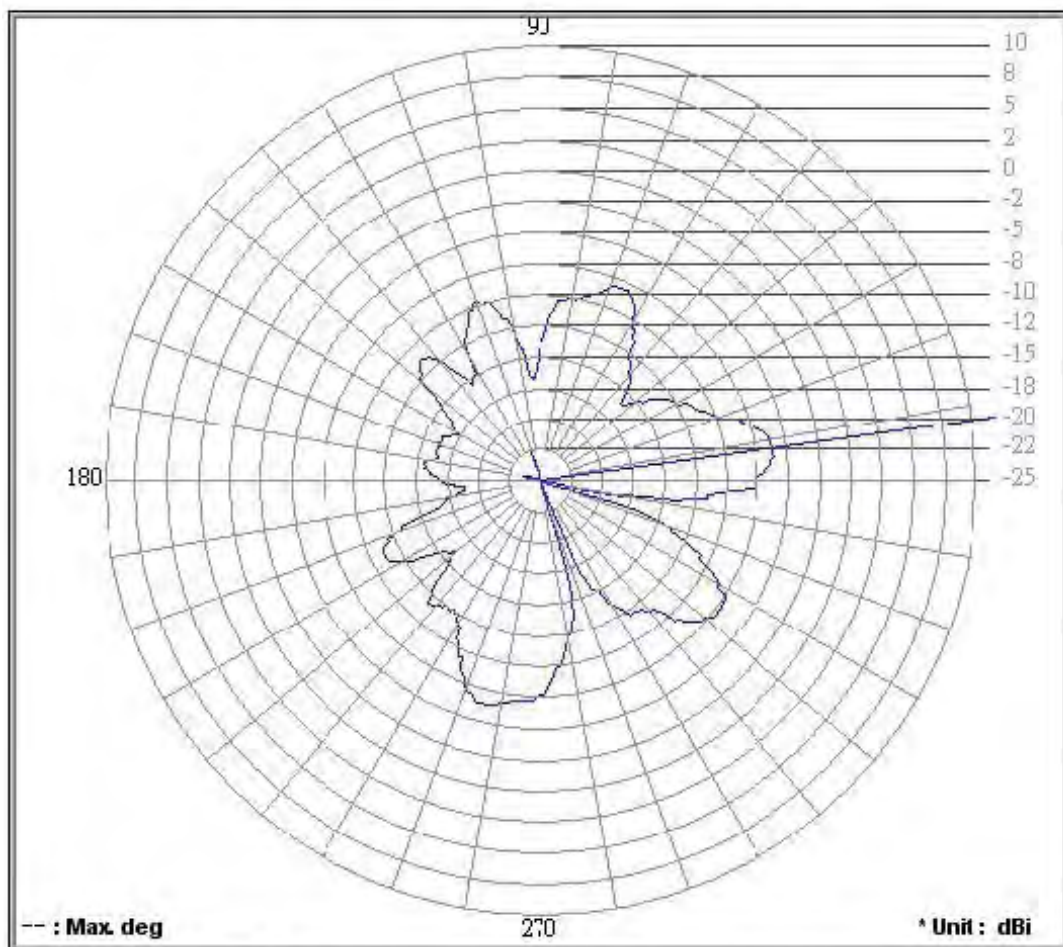
Date: **2008/12/24**

Time: **下午 07:14:06**

Temperature (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **1795.00**

Antenna Polarity: **Vertical**

Average Value (dBi): **-8.05**

Maximum Value (dBi): **-2.98**

Maximum Value (degree): **8**

Minimum Value (dBi): **-24.46**

Minimum Value (degree): **290**

V6.2



Brand / Model : GSM Quad Band
Remark : 1897MHz
Sample No.
Tested by : MASON

Location: **RF CHAMBER 3**

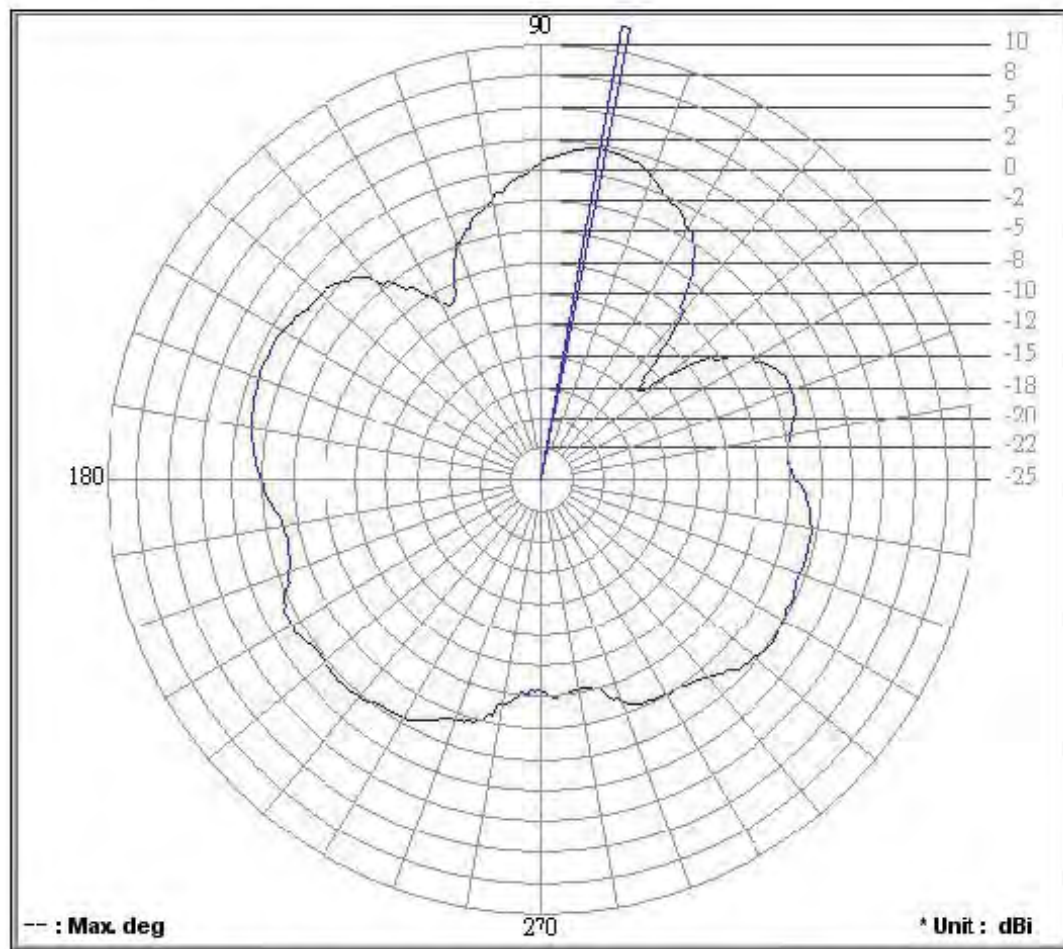
Date: **2008/12/24**

Time: **下午 07:31:55**

Temperature (°C): **25**

Humidity (%) **75**

Approved by:



Frequency (MHz) : **1897.00**

Antenna Polarity : **Vertical**

Average Value (dBi) : **-2.81**

Maximum Value (dBi) : **2.13**

Maximum Value (degree) : **79**

Minimum Value (dBi) : **-14.36**

Minimum Value (degree) : **43**

V6.2



Brand / Model : GSM SWIVEL TYPE Quad Band
Remark : 1920MHz
Sample No.
Tested by : MAGON

Location: **RF CHAMBER 3**

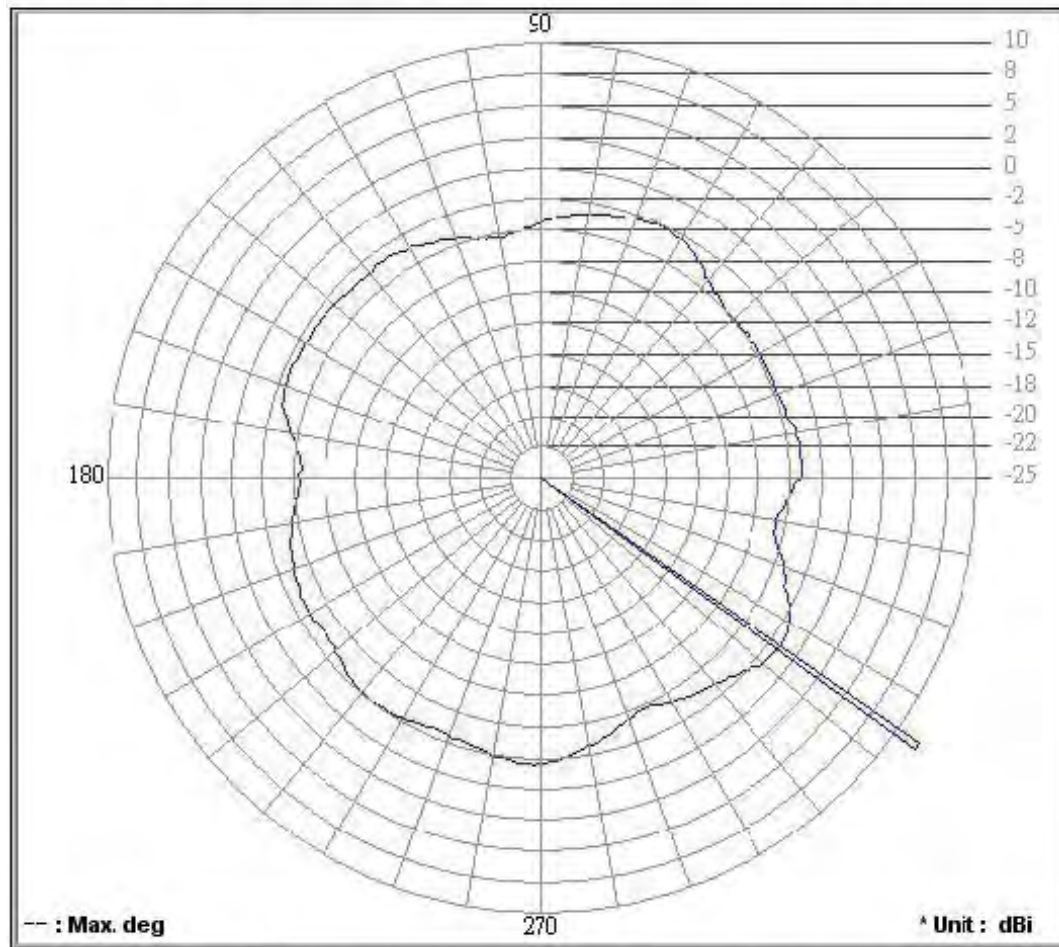
Date: **2008/12/24**

Time: **下午 07:22:53**

Temperature (°C): **25**

Humidity (%): **75**

Approved by:



Frequency (MHz): **1920.00**

Antenna Polarity: **Vertical**

Average Value (dBi): **-1.09**

Maximum Value (dBi): **1.00**

Maximum Value (degree): **324**

Minimum Value (dBi): **-3.28**

Minimum Value (degree): **349**

V6.2