



長 宏 科 技 有 限 公 司
Chang Hong Information Co., Ltd.

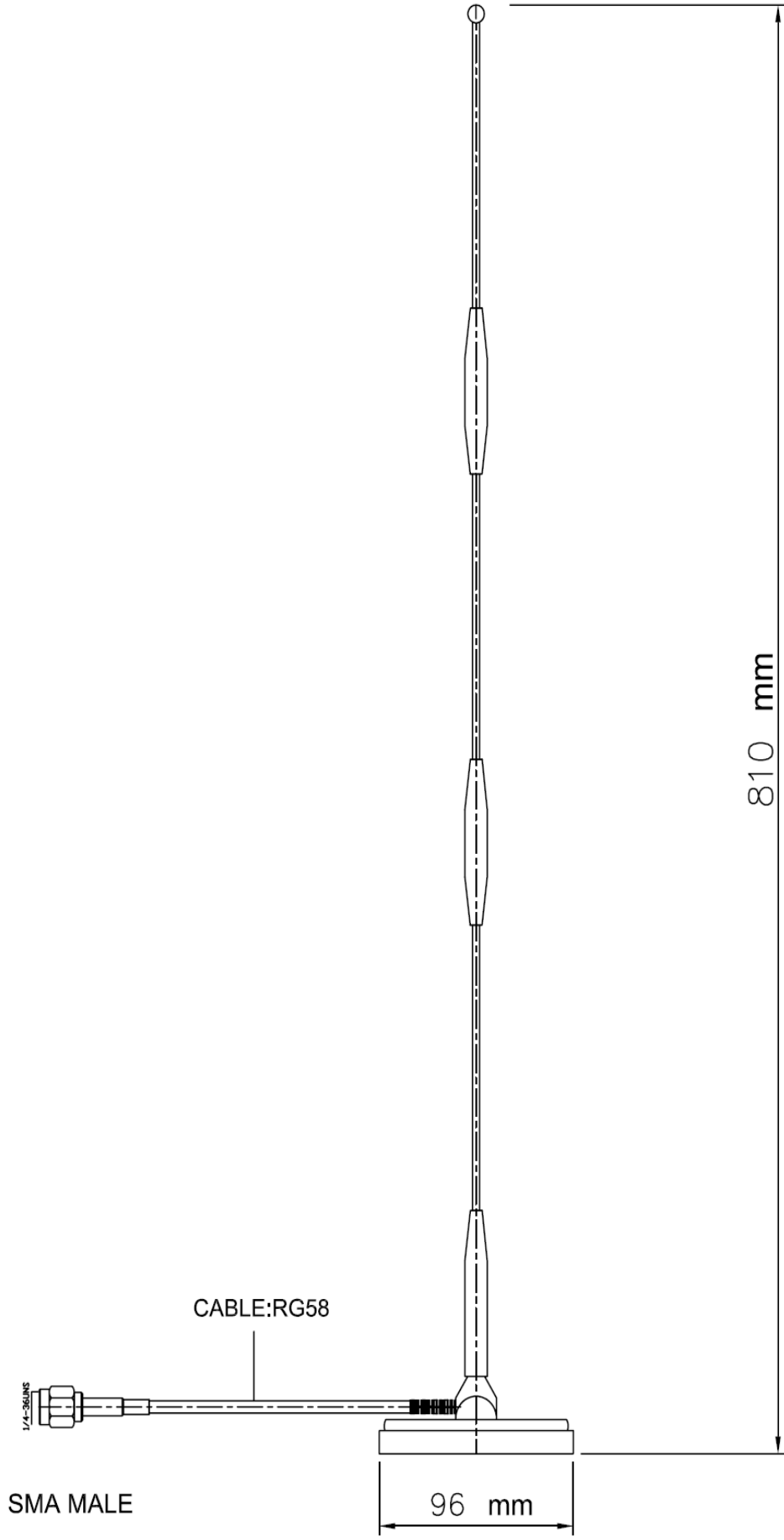
900/1800/1900/2100 MHz MAGNETIC 9dBi+ RG58 (3.6M)+SMA MALE (Option)



Specifications/Special Features :
Global System for Mobile Communication
900/1800/1900/2100MHz phone antenna,
Broadband design for GSM/DCS/PCS/WCDMA
systems.

| Specification | |
|-----------------|------------------------|
| Model No. | GSM-20 |
| Antenna Type | Magnetic Base |
| Frequency | 900/1800/1900/2100 MHz |
| Gain (dBi) | 9 dBi |
| VSWR | <1.8 |
| Polarization | Vertical |
| Impedance | 50 Ω |
| Cable Connector | SMA MALE (Option) |
| Max Power | 100 W |
| CABLE | RG58 |
| CABLE length | 3.6M (Option) |
| Working Temp | -40°C ~+85°C |
| Demensions | L810xW96xH96mm |

GSM-20 GSM 900/1800/1900/2100 MHz MAGNETIC 9dBi+RG58(3.6M)+SMA MALE (OPTION)

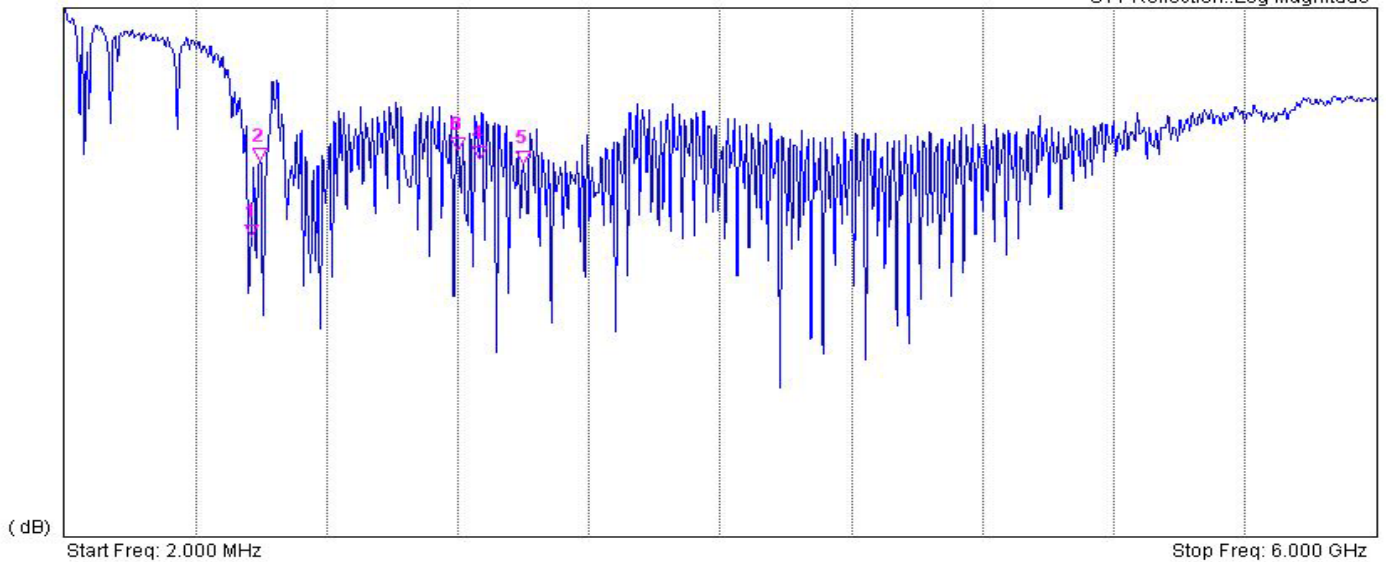


| | | | |
|---|------------------------------------|----|-------------------------|
| 1 | FREQUENCY : 900/1800/1900/2100 MHz | 6 | IMPEDANCE : 50 Ω |
| 2 | GAIN : 9dBi | 7 | MAX POWER : 100W |
| 3 | V.S.W.R : <1.8:1 | 8 | POLARIZATION : Vertical |
| 4 | LENGTH : L960xW96xH96mm | 9 | |
| 5 | CONNECTOR : SMA MALE (Option) | 10 | |

VNA Measurement Data
 Captured (2008/7/11 上午 11:50:12)

VNA

S11 Reflection::Log Magnitude



| Mkr | Ref | Delta | Ref Freq | Ref Amp | Delta Freq | Delta Amp |
|-----|--------------------------|--------------------------|--------------|----------|------------|-----------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | 852.6255 MHz | 21.61 dB | -- | -- |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | 896.2473 MHz | 14.44 dB | -- | -- |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | 1.8014 GHz | 13.44 dB | -- | -- |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | 1.8995 GHz | 14.28 dB | -- | -- |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | 2.0958 GHz | 14.68 dB | -- | -- |
| 6 | <input type="checkbox"/> | <input type="checkbox"/> | 1.8014 GHz | 13.44 dB | -- | -- |

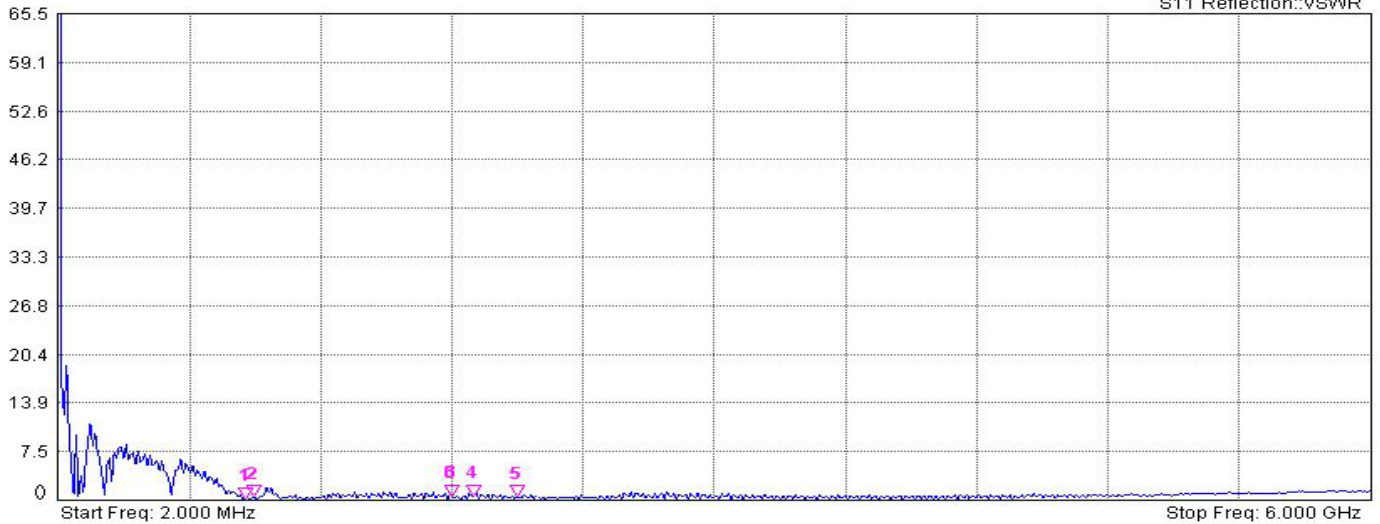
Measurement Parameters

| | | | |
|--------------------|-----------|---------------|-----------------------|
| Calibration Status | On | Serial Number | 651009 |
| Data Points | 551 | Base Ver. | V1.48 |
| Output Power | High | App Ver. | V1.48 |
| Start Frequency | 2.000 MHz | Date | 2008/7/11 上午 11:50:12 |
| Stop Frequency | 6.000 GHz | Device Name | |

VNA Measurement Data
 Captured (2008/7/11 上午 11:50:12)

VNA

S11 Reflection::VSWR

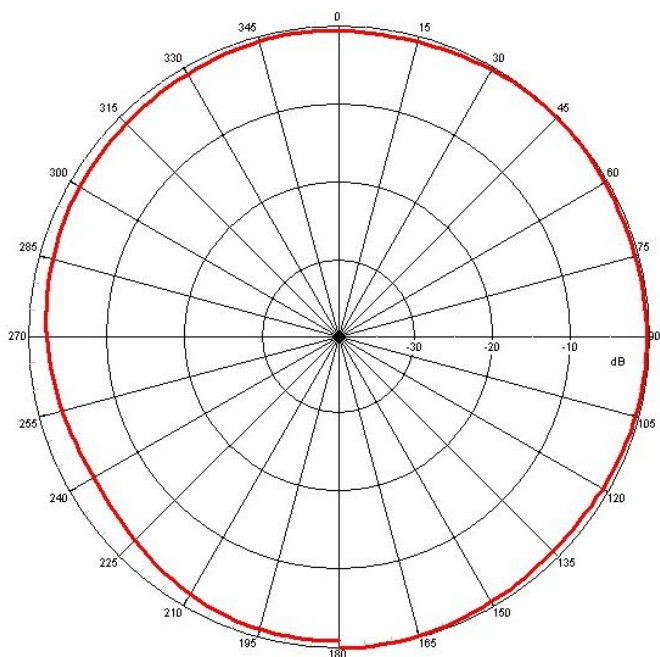


| Mkr | Ref | Delta | Ref Freq | Ref Amp | Delta Freq | Delta Amp |
|-----|--------------------------|--------------------------|--------------|---------|------------|-----------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | 852.6255 MHz | 1.18 | -- | -- |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | 896.2473 MHz | 1.47 | -- | -- |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | 1.8014 GHz | 1.54 | -- | -- |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | 1.8995 GHz | 1.48 | -- | -- |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | 2.0958 GHz | 1.45 | -- | -- |
| 6 | <input type="checkbox"/> | <input type="checkbox"/> | 1.8014 GHz | 1.54 | -- | -- |

Measurement Parameters

| | | | |
|--------------------|-----------|---------------|-----------------------|
| Calibration Status | On | Serial Number | 651009 |
| Data Points | 551 | Base Ver. | V1.48 |
| Output Power | High | App Ver. | V1.48 |
| Start Frequency | 2.000 MHz | Date | 2008/7/11 上午 11:50:12 |
| Stop Frequency | 6.000 GHz | Device Name | |

H-PLANE



E-PLANE

