

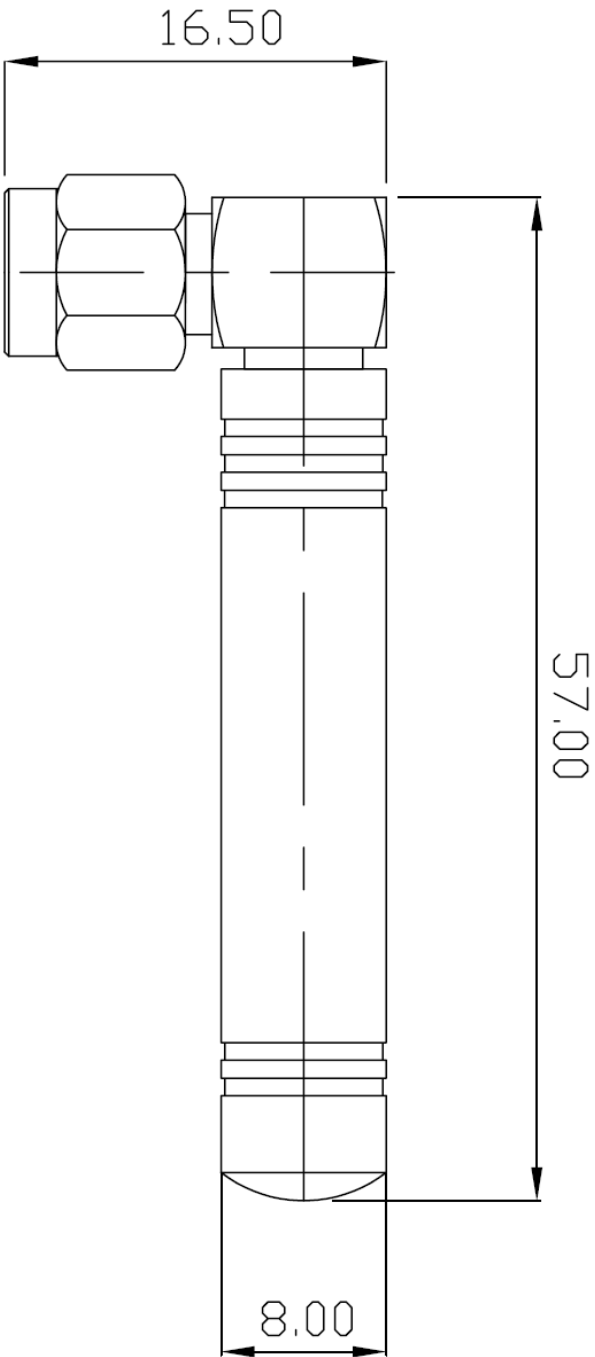
## GSM 850/900/1800/1900/2100MHz 2dBi FOR SMA MALE R/A



Specifications/Special Features :  
Global System for Mobile Communication  
850/900/1800/1900/2100 MHz phone antenna,  
Broadband design for GSM/UMTS/WCDMA  
systems.

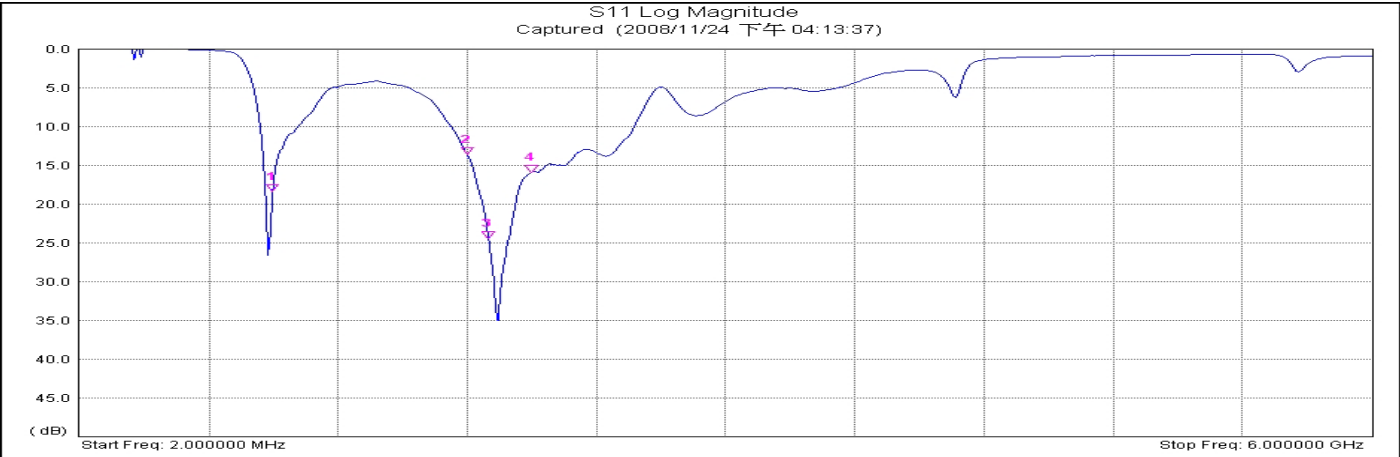
| Specification         |                               |
|-----------------------|-------------------------------|
| Model No.             | GSM-02-SMRA                   |
| Frequency             | 850/900/1800/1900/2100 MHz    |
| Gain                  | 2 dBi                         |
| V.S.W.R               | $\leq 2:1$                    |
| Polarization          | Vertical                      |
| Connector             | SMA Male Right Angle (Option) |
| Impedance             | 50 $\Omega$                   |
| Operation temperature | -20°C ~+60°C                  |
| Storage temperature   | -30°C ~+75°C                  |
| Dimensions            | L57 x W16.5 x H8 mm           |

|             |                                                 |
|-------------|-------------------------------------------------|
| GSM-02-SMRA | 850/900/1800/1900/2100MHz 2dBi FOR SMA MALE R/A |
|-------------|-------------------------------------------------|



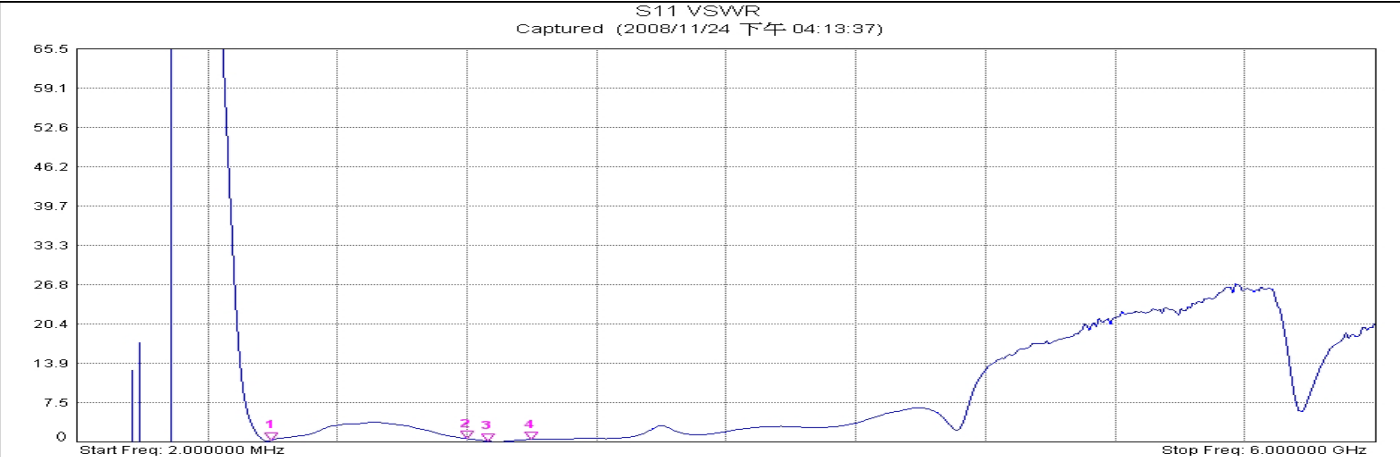
SMA MALE RIGHT ANGLE

|   |                                        |    |                  |
|---|----------------------------------------|----|------------------|
| 1 | FREQUENCY : 850/900/1800/1900/2100 MHz | 6  | IMPEDANCE : 50 Ω |
| 2 | GAIN : 2dBi                            | 7  |                  |
| 3 | V.S.W.R : <=2:1                        | 8  |                  |
| 4 | LENGTH : 57 mm                         | 9  |                  |
| 5 | CONNECTOR : SMA MALE R/A (Option)      | 10 |                  |



| Mkr | Ref                      | Delta                    | Ref Freq     | Ref Amp  | Delta Freq | Delta Amp |
|-----|--------------------------|--------------------------|--------------|----------|------------|-----------|
| 1   | <input type="checkbox"/> | <input type="checkbox"/> | 896.2473 MHz | 18.38 dB | --         | --        |
| 2   | <input type="checkbox"/> | <input type="checkbox"/> | 1.8014 GHz   | 13.60 dB | --         | --        |
| 3   | <input type="checkbox"/> | <input type="checkbox"/> | 1.8995 GHz   | 24.43 dB | --         | --        |
| 4   | <input type="checkbox"/> | <input type="checkbox"/> | 2.0958 GHz   | 15.93 dB | --         | --        |
| 5   | <input type="checkbox"/> | <input type="checkbox"/> | --           | --       | --         | --        |
| 6   | <input type="checkbox"/> | <input type="checkbox"/> | --           | --       | --         | --        |

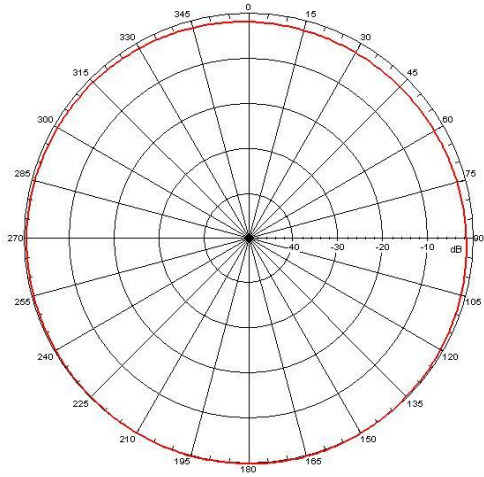
| Measurement Parameters |              |                 |                       |
|------------------------|--------------|-----------------|-----------------------|
| Calibration Status     | On           | Ref. Plane Leng | 0                     |
| Cal Mode               | Standard     | Serial Number   | 651009                |
| Data Points            | 551          | Base Ver.       | V1.48                 |
| Output Power           | High         | App Ver.        | V1.48                 |
| Start Frequency        | 2.000000 MHz | Date            | 11/24/2008 4:13:37 PM |
| Stop Frequency         | 6.000000 GHz | Device Name     |                       |
| Smoothing %            | 0            |                 |                       |



| Mkr | Ref                      | Delta                    | Ref Freq     | Ref Amp | Delta Freq | Delta Amp |
|-----|--------------------------|--------------------------|--------------|---------|------------|-----------|
| 1   | <input type="checkbox"/> | <input type="checkbox"/> | 896.2473 MHz | 1.27    | --         | --        |
| 2   | <input type="checkbox"/> | <input type="checkbox"/> | 1.8014 GHz   | 1.53    | --         | --        |
| 3   | <input type="checkbox"/> | <input type="checkbox"/> | 1.8995 GHz   | 1.13    | --         | --        |
| 4   | <input type="checkbox"/> | <input type="checkbox"/> | 2.0958 GHz   | 1.38    | --         | --        |
| 5   | <input type="checkbox"/> | <input type="checkbox"/> | --           | --      | --         | --        |
| 6   | <input type="checkbox"/> | <input type="checkbox"/> | --           | --      | --         | --        |

| Measurement Parameters |              |                 |                       |
|------------------------|--------------|-----------------|-----------------------|
| Calibration Status     | On           | Ref. Plane Leng | 0                     |
| Cal Mode               | Standard     | Serial Number   | 651009                |
| Data Points            | 551          | Base Ver.       | V1.48                 |
| Output Power           | High         | App Ver.        | V1.48                 |
| Start Frequency        | 2.000000 MHz | Date            | 11/24/2008 4:13:37 PM |
| Stop Frequency         | 6.000000 GHz | Device Name     |                       |
| Smoothing %            | 0            |                 |                       |

H-PLANE



E-PLANE

