



# GSM ANTENNA

Antenna GSM Magnet Mount 30,  
3 dBi, FME (f), RG174/3m

AO-AGSM-MG3F

SECTRON company offers a wide portfolio of GSM antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.

## BENEFITS

- Low VSWR
- Optimized radiation pattern
- Easy installation

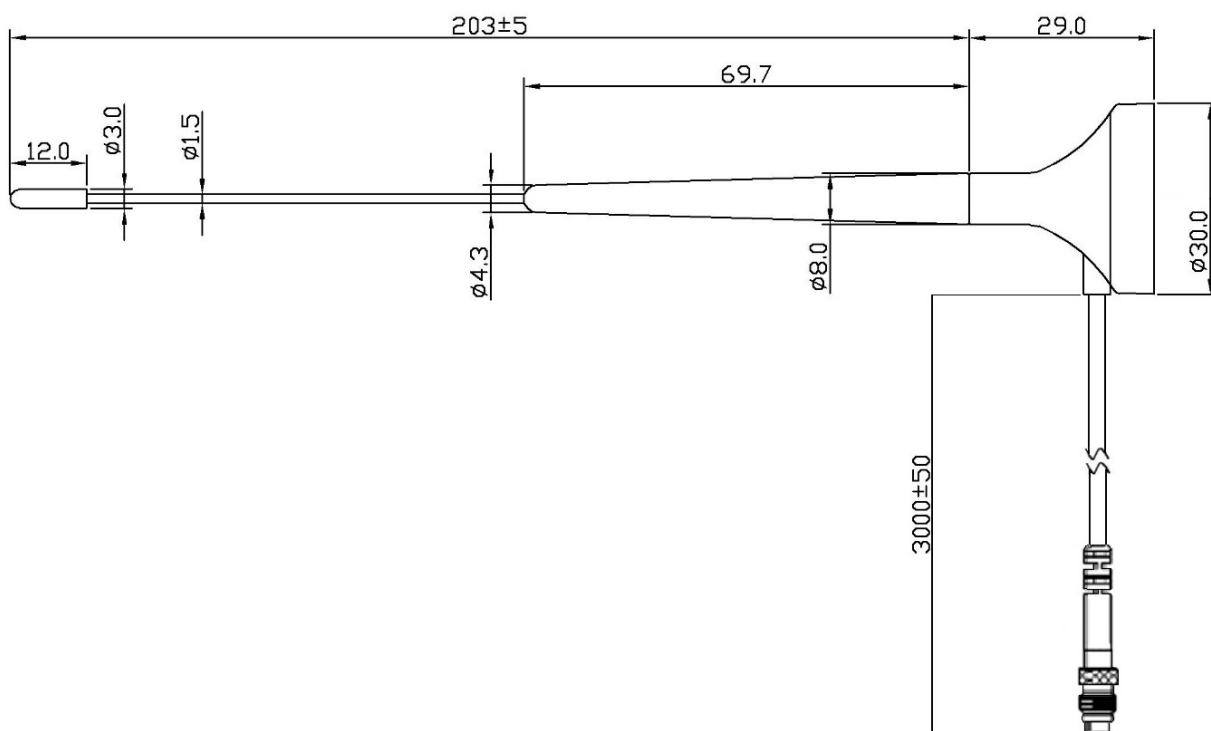


## FEATURES

AO-AGSM-MG3F

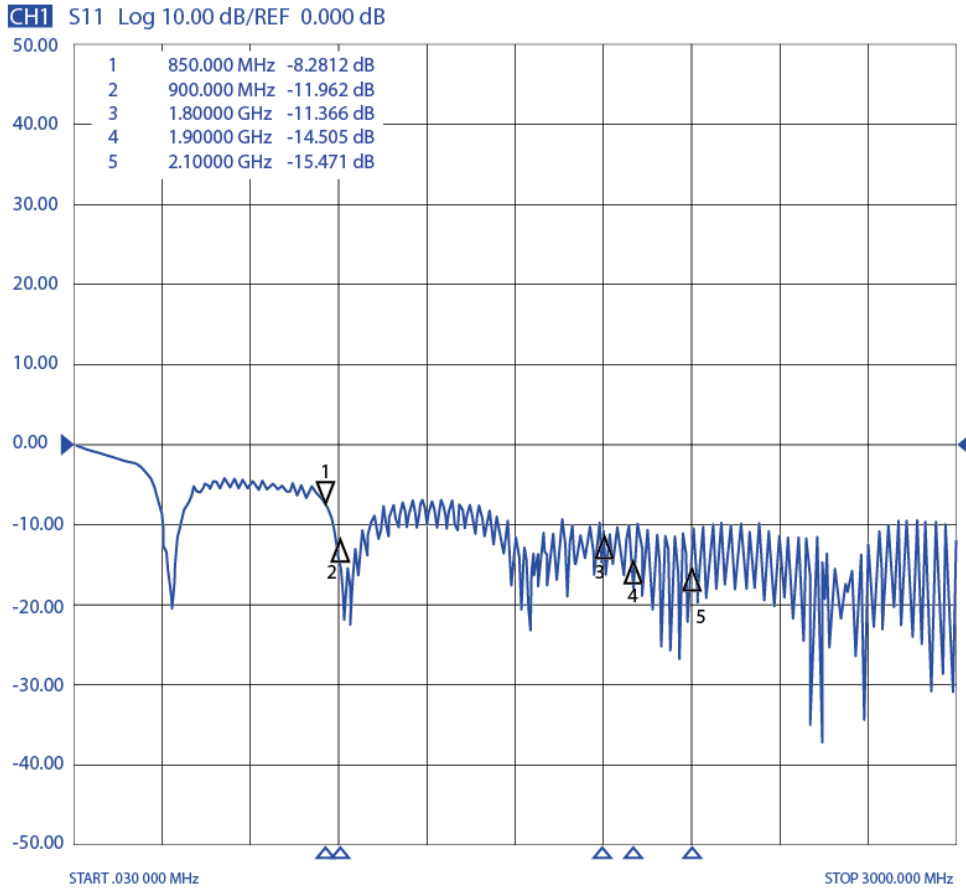
|                       |                            |
|-----------------------|----------------------------|
| Technology            | GSM/UMTS                   |
| Frequency bands       | 850/900/1800/1900/2100 MHz |
| Bandwidth             | -                          |
| Gain                  | 3 dBi                      |
| VSWR                  | <2.0:1                     |
| Impedance             | 50 Ohm                     |
| Directivity           | Omnidirectional            |
| Beam angle            | Attached graphs bellow     |
| Polarization          | Linear                     |
| Maximum input power   | 10 W                       |
| Power voltage         | -                          |
| Dimensions            | ∅ 30 x 232 mm              |
| Weight                | 51.98 g                    |
| Operating temperature | -40 to +85 °C              |
| Execution             | External                   |
| Method of attachment  | Magnet mount               |
| Cable type            | RG174/U                    |
| The cable length      | 3 m                        |
| Connector type        | FME (f)                    |
| Certification         | RoHS, ISO9001, ISO14001    |

## DRAWING

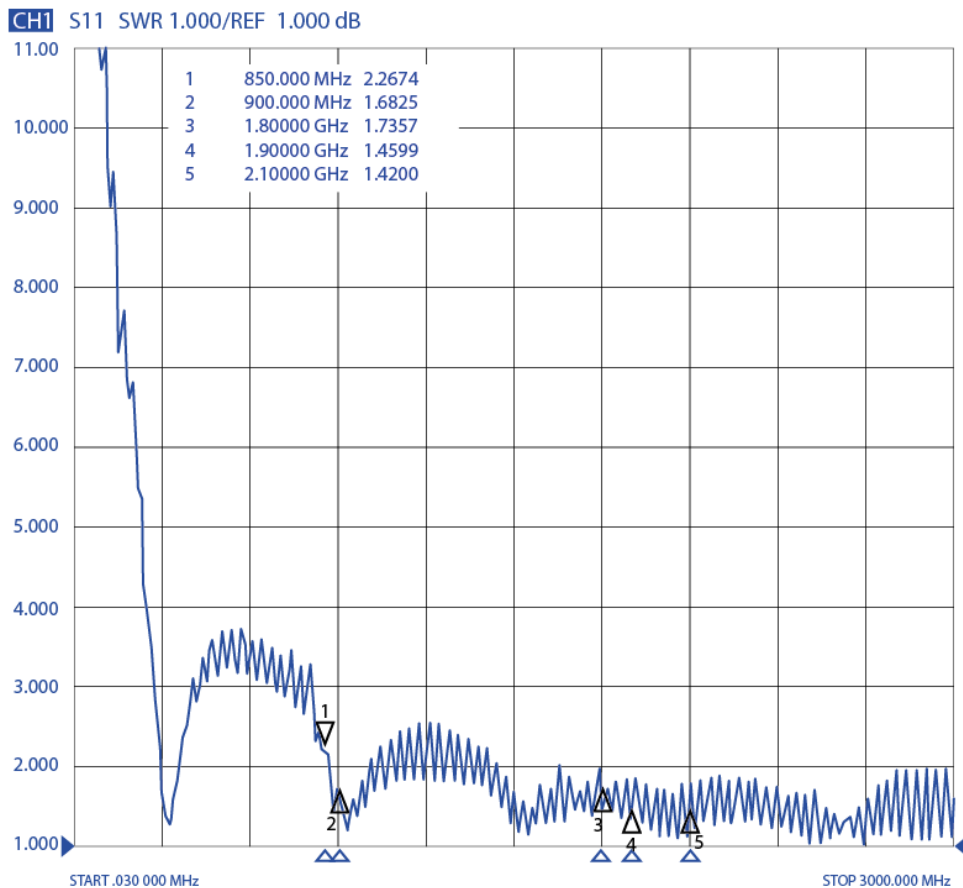


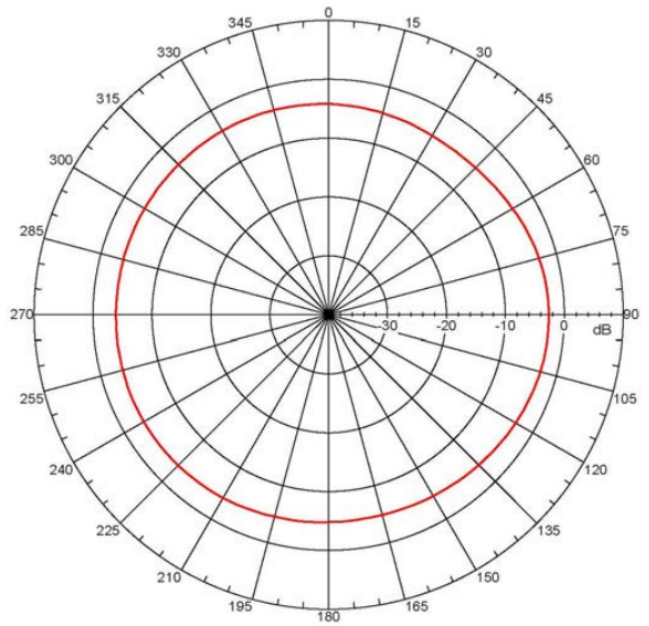
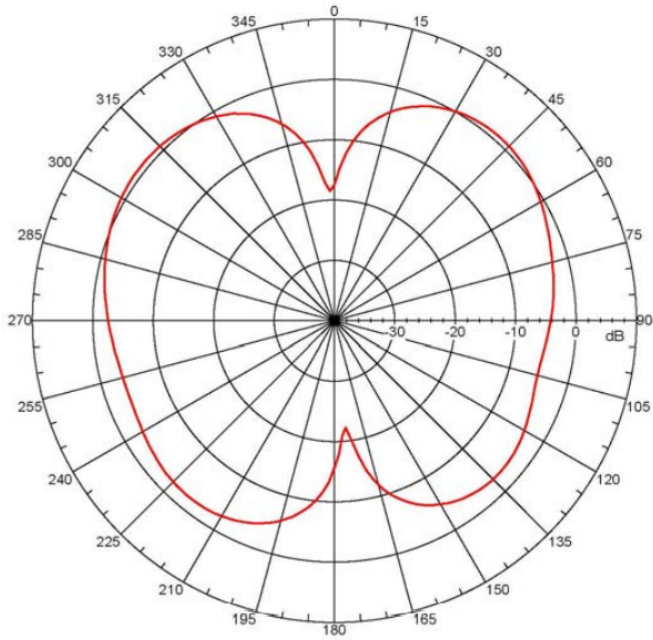
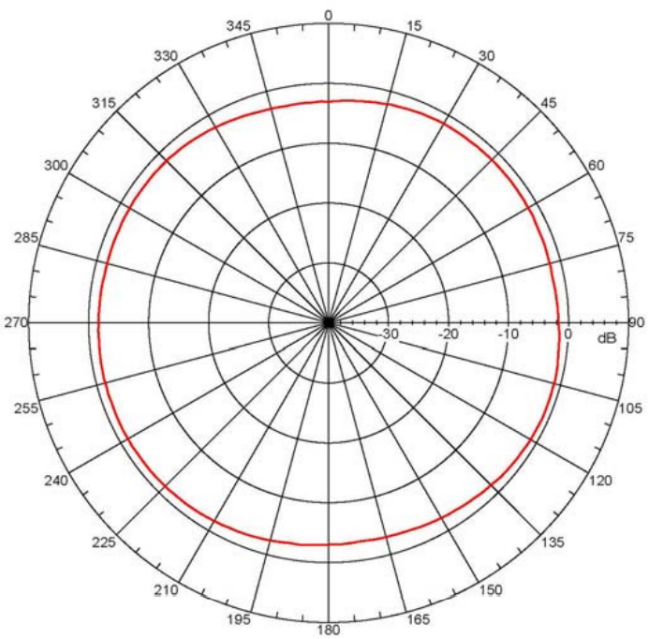
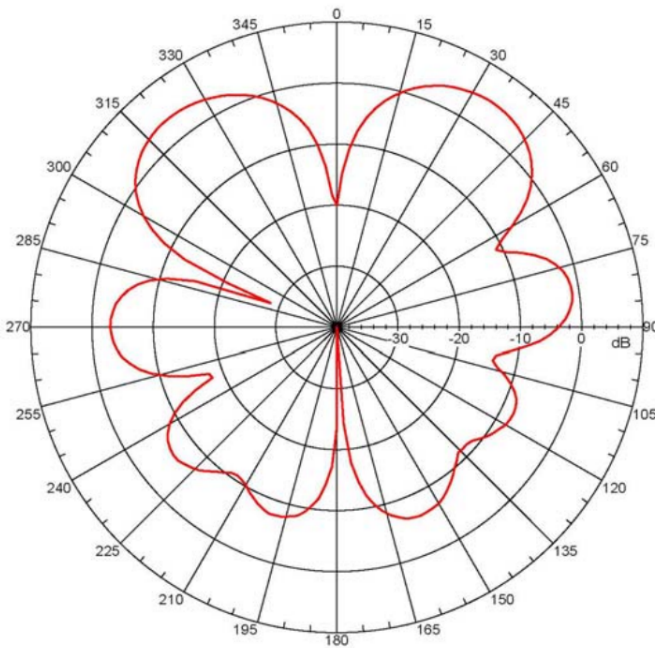
Unit: mm

$S_{11}$  - Return Loss [dB]

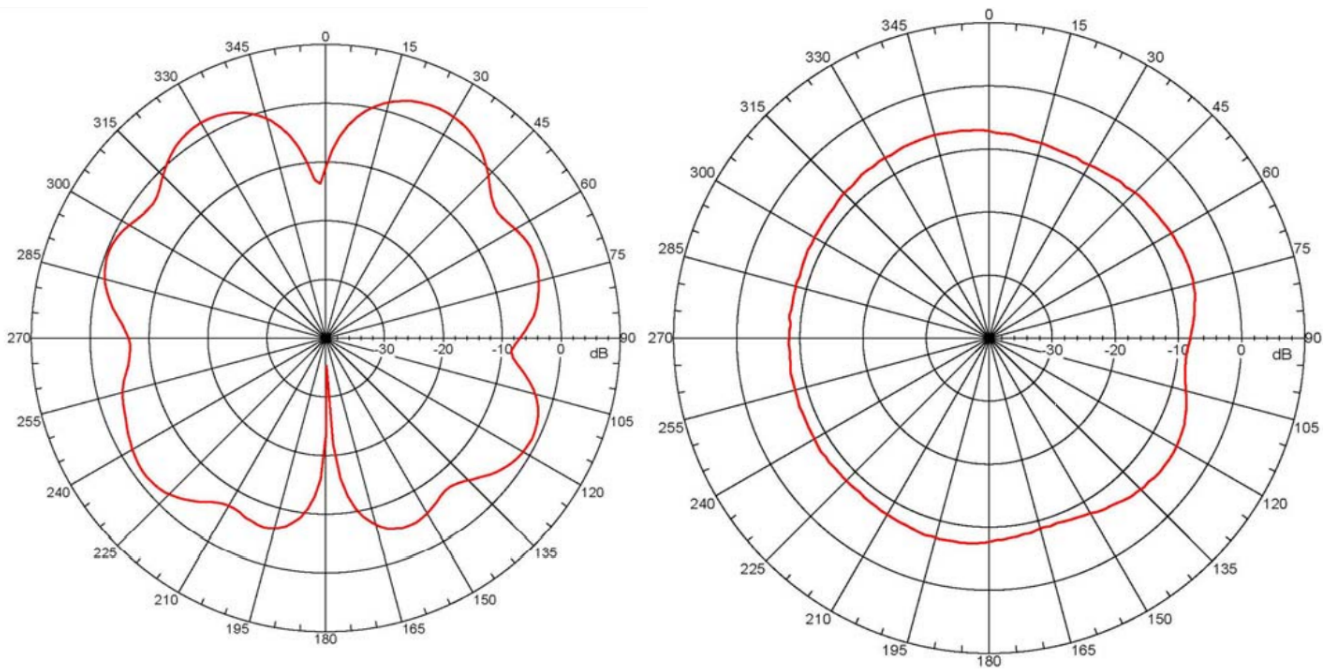


VSWR – Voltage standing wave ratio [-]



**RADIATION PATTERN - E-plane/H-plane (900 MHz)****RADIATION PATTERN - E-plane/H-plane (1800 MHz)**

## RADIATION PATTERN - E-plane/H-plane (2100 MHz)



## SUMMARY

| Frequency [MHz] | $S_{11}$ [dB] | VSWR [-] | Gain [dBi] |
|-----------------|---------------|----------|------------|
| 900             | -11.96        | 1.68     | 1.08       |
| 1800            | -11.37        | 1.74     | 3.2        |
| 2100            | -15.47        | 1.42     | 3.0        |

## VARIANTS

Different connector variants or cable lengths are available on request.

## CONTACTS

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