



GSM ANTENNA

Antenna GSM Screw Mount R36,
RG174/30cm, SMA(m)

AO-AGSM-36S030

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

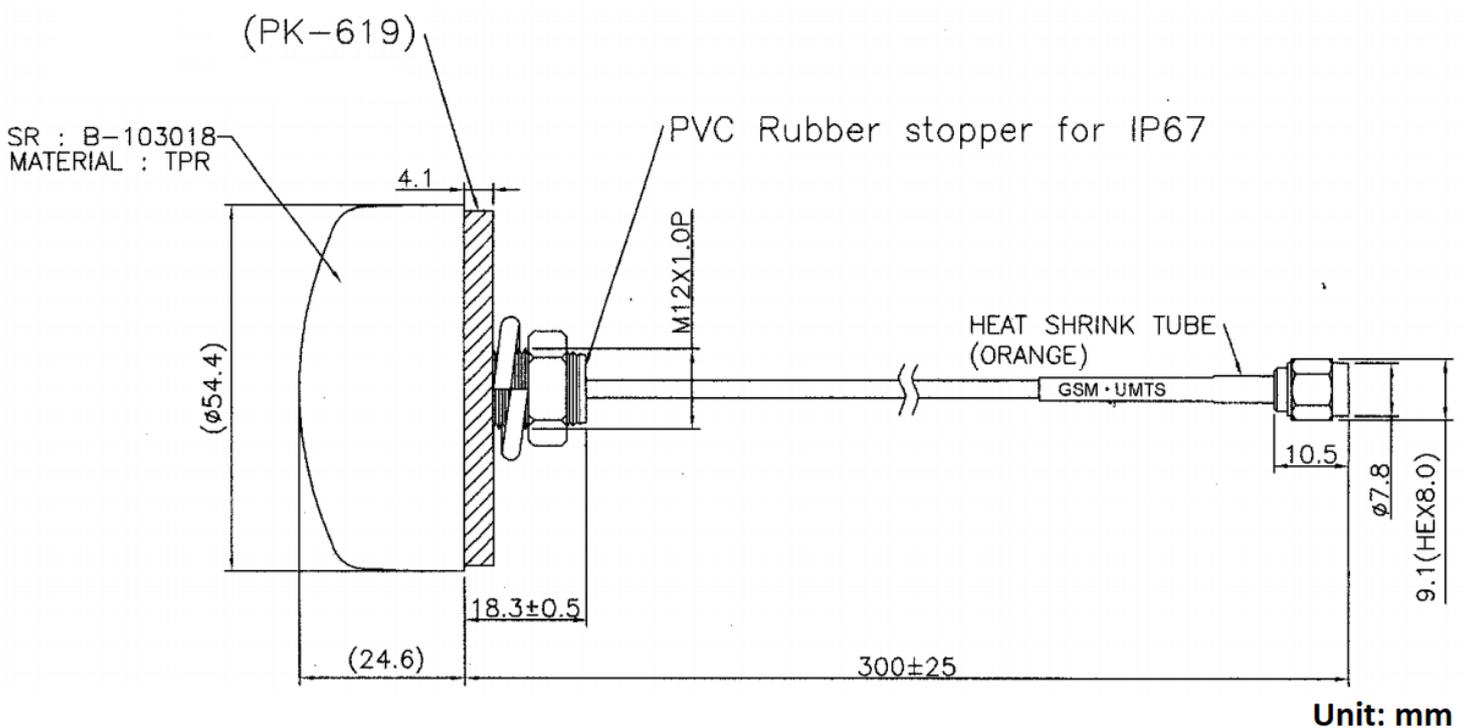
- Mounting antenna
- Wide-band antenna
- Optimized radiation pattern

FEATURES

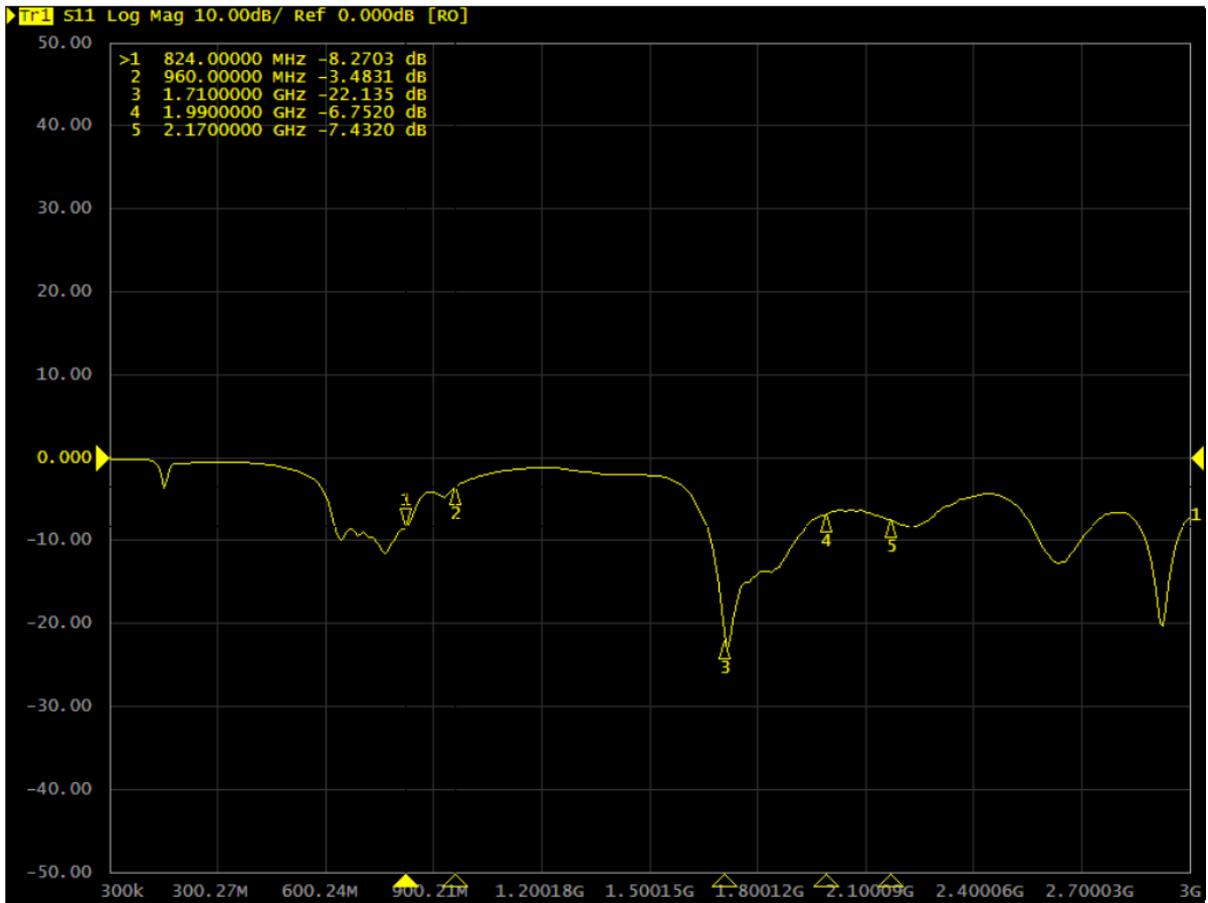
AO-AGSM-36S030

| | |
|-----------------------|-------------------------|
| Technology | GSM |
| Frequency bands | 900/1800/2100 MHz |
| Bandwidth | <135 MHz |
| Gain | 6.8 dBi |
| VSWR | <3.0:1 |
| Impedance | 50 Ohm |
| Directivity | Omnidirectional |
| Polarization | Linear |
| Maximum input power | 10 W |
| Power voltage | - |
| Dimensions | ∅ 54.4 x 42.9 mm |
| Weight | 88.44 g |
| Operating temperature | -40 to +85 °C |
| Execution | External |
| Method of attachment | Screw Mount |
| Cable type | RG174/U |
| The cable length | 0.3 m |
| Cable connector type | SMA(m) |
| Material | TPR |
| Certification | RoHS, ISO9001, ISO14001 |

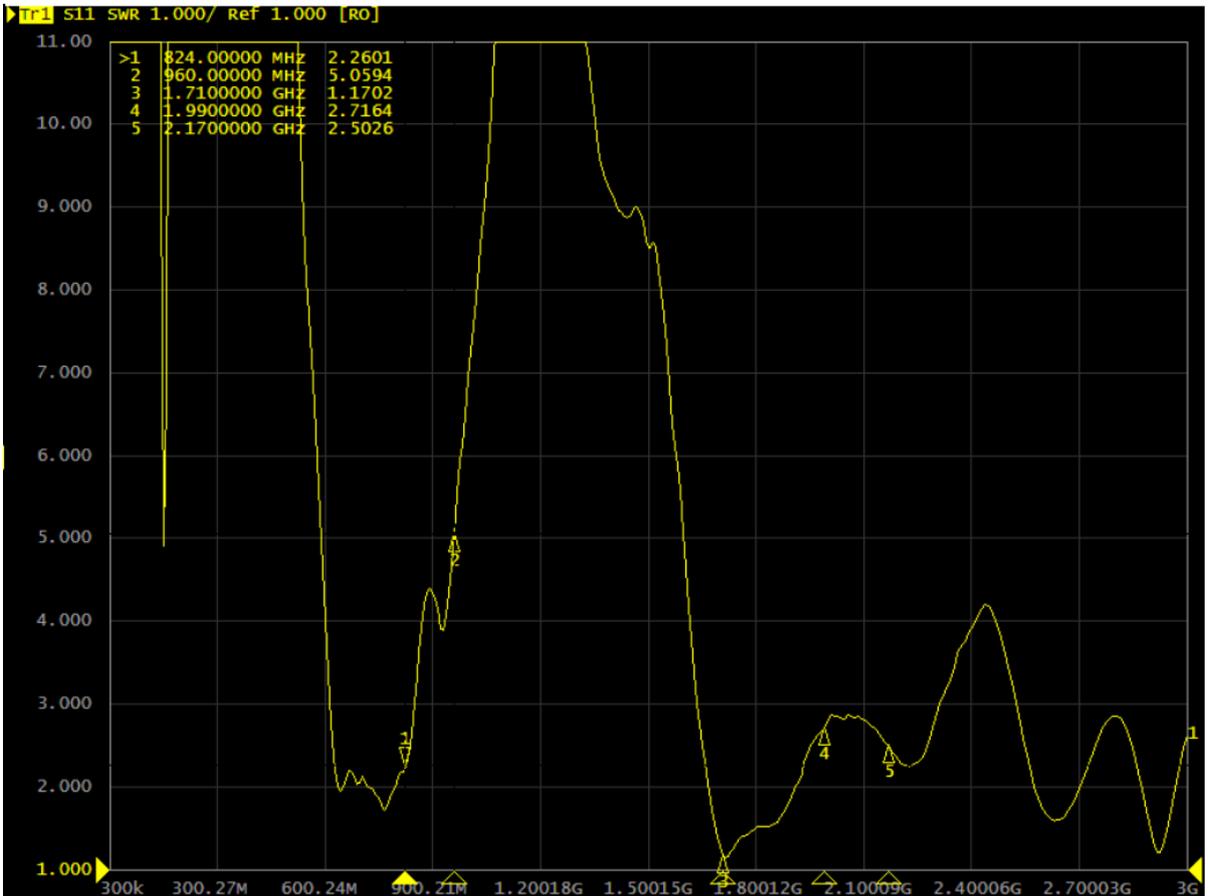
DRAWING



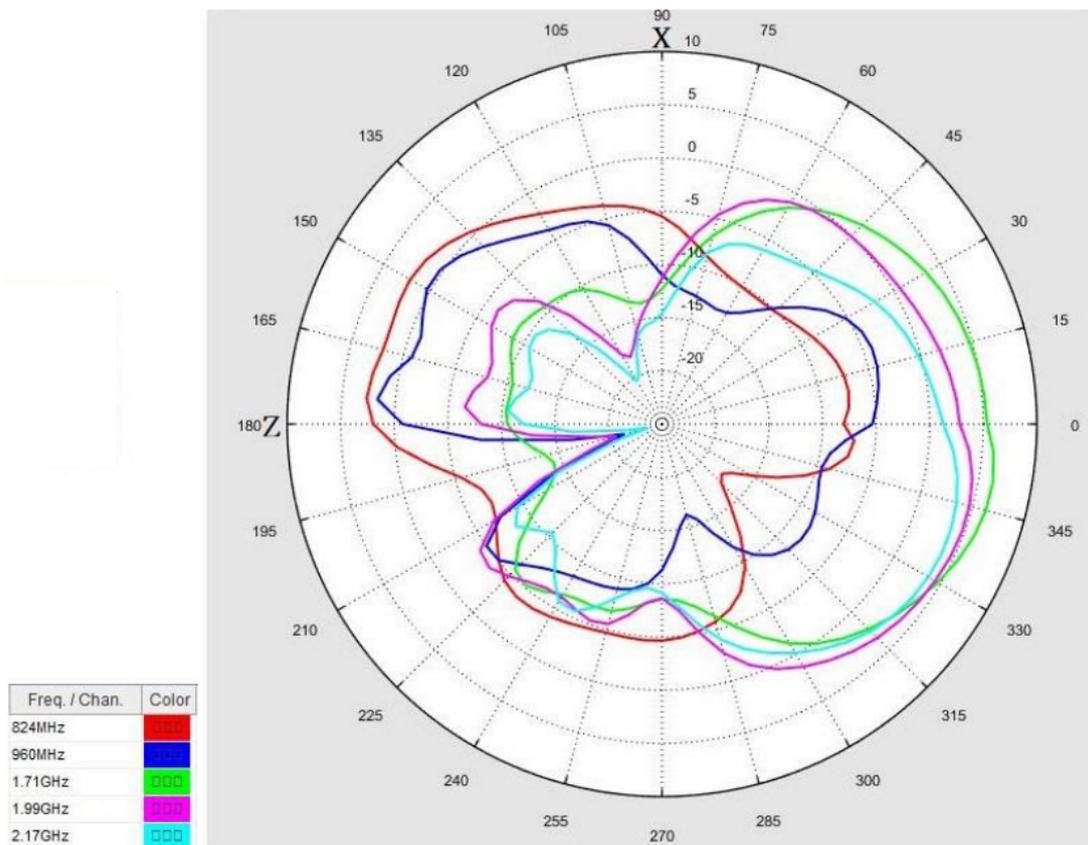
S_{11} - Return Loss [dB]



VSWR – Voltage standing wave ratio [-]



2D radiation patern [-]



SUMMARY

| Frequency [MHz] | S_{11} [dB] | VSWR [-] | Efficiency [%] | Gain [dBi] |
|-----------------|---------------|----------|----------------|------------|
| 824 | -8.27 | 2.26 | 46.03 | 2.64 |
| 960 | -3.48 | 5.05 | 24.77 | 0.34 |
| 1710 | -22.13 | 1.17 | 68.71 | 6.78 |
| 1990 | -6.75 | 2.71 | 60.53 | 4.78 |
| 2170 | -7.43 | 2.50 | 37.33 | 3.72 |

VARIANTS

Different connector variants or cable lengths are available on request.

CONTACTS

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