



## LTE/GPS ANTENNA

Antenna GSM/GPS Screw Mount R36,  
2x RG174/5m, open cable ends

AO-AKOM-3605

SECTRON company offers a wide portfolio of LTE/GPS 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
- Anti-vandal design
- Wide-band antenna

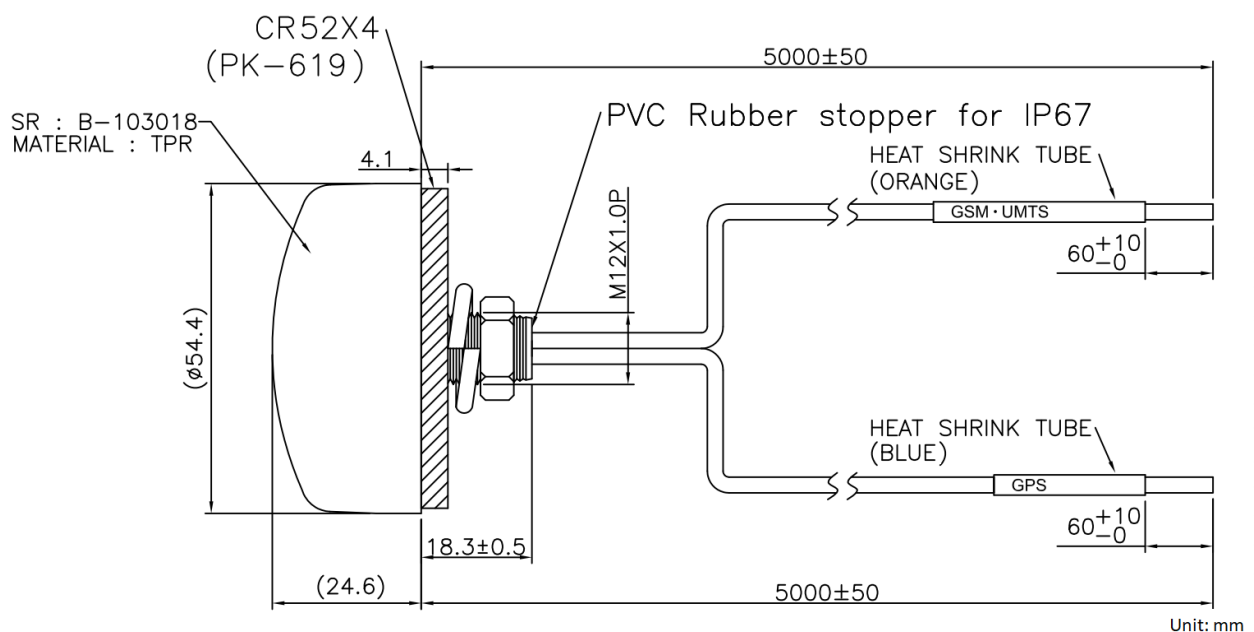


## FEATURES

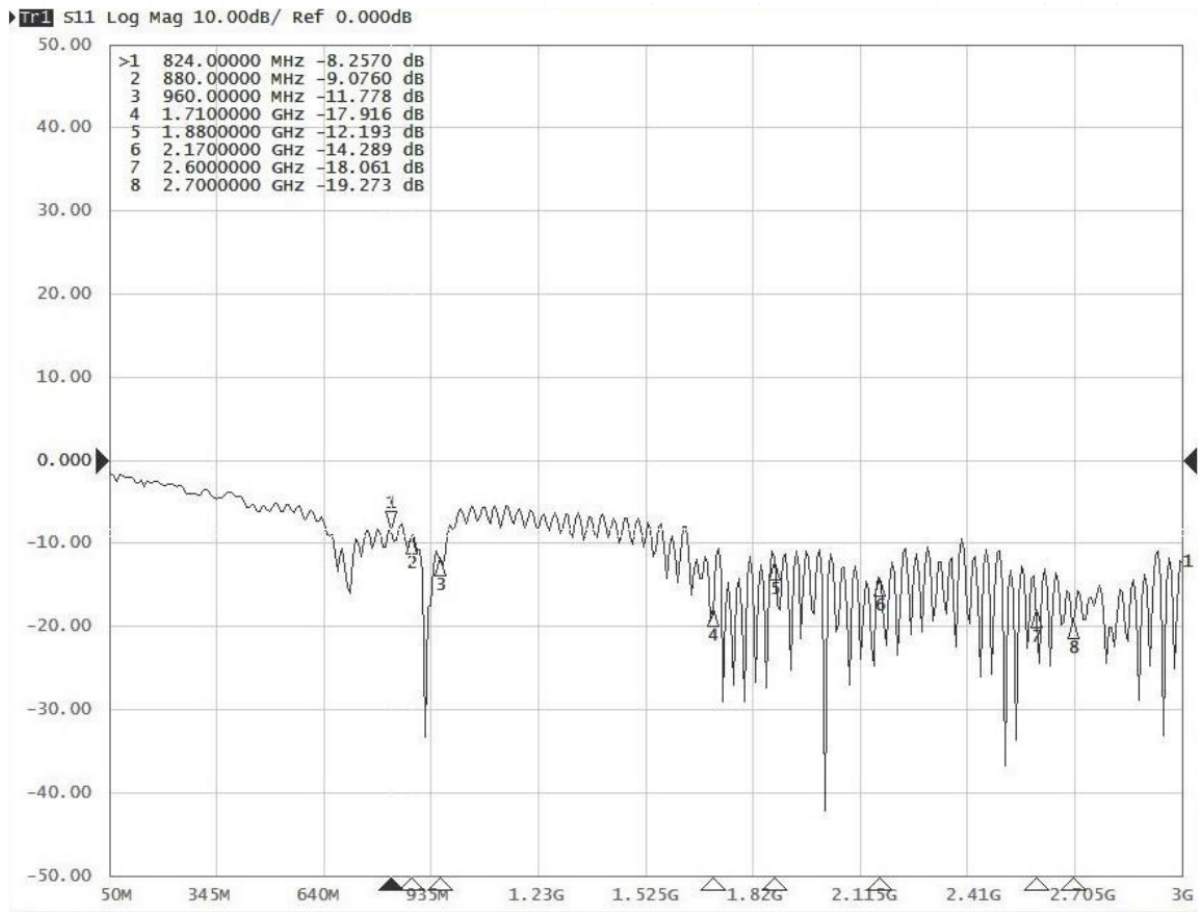
AO-AKOM-3605

|                       |                               |
|-----------------------|-------------------------------|
| Technology            | LTE/GPS                       |
| Frequency bands       | 800~900;1700~2100/1575.42 MHz |
| Bandwidth             | -                             |
| Gain                  | 2/27 dBi                      |
| VSWR                  | <2.0:1                        |
| Impedance             | 50 Ohm                        |
| Directivity           | Omnidirectional               |
| Beam angle            | Attached graphs bellow        |
| Polarization          | Linear/R.H.C.P                |
| Maximum input power   | 10 W                          |
| Power voltage         | 3.0 - 5.0 V                   |
| Dimensions            | ∅ 54.4 x 28.7 mm              |
| Weight                | 185.7 g                       |
| Operating temperature | -30 to +90 °C                 |
| Execution             | External                      |
| Method of attachment  | Screw mount                   |
| Cable type            | RG174                         |
| The cable length      | 5 m                           |
| Connector type        | Open end                      |
| Certification         | RoHS, ISO9001, ISO14001       |
| Material              | PVC/TPR                       |
| IP code               | IP67                          |

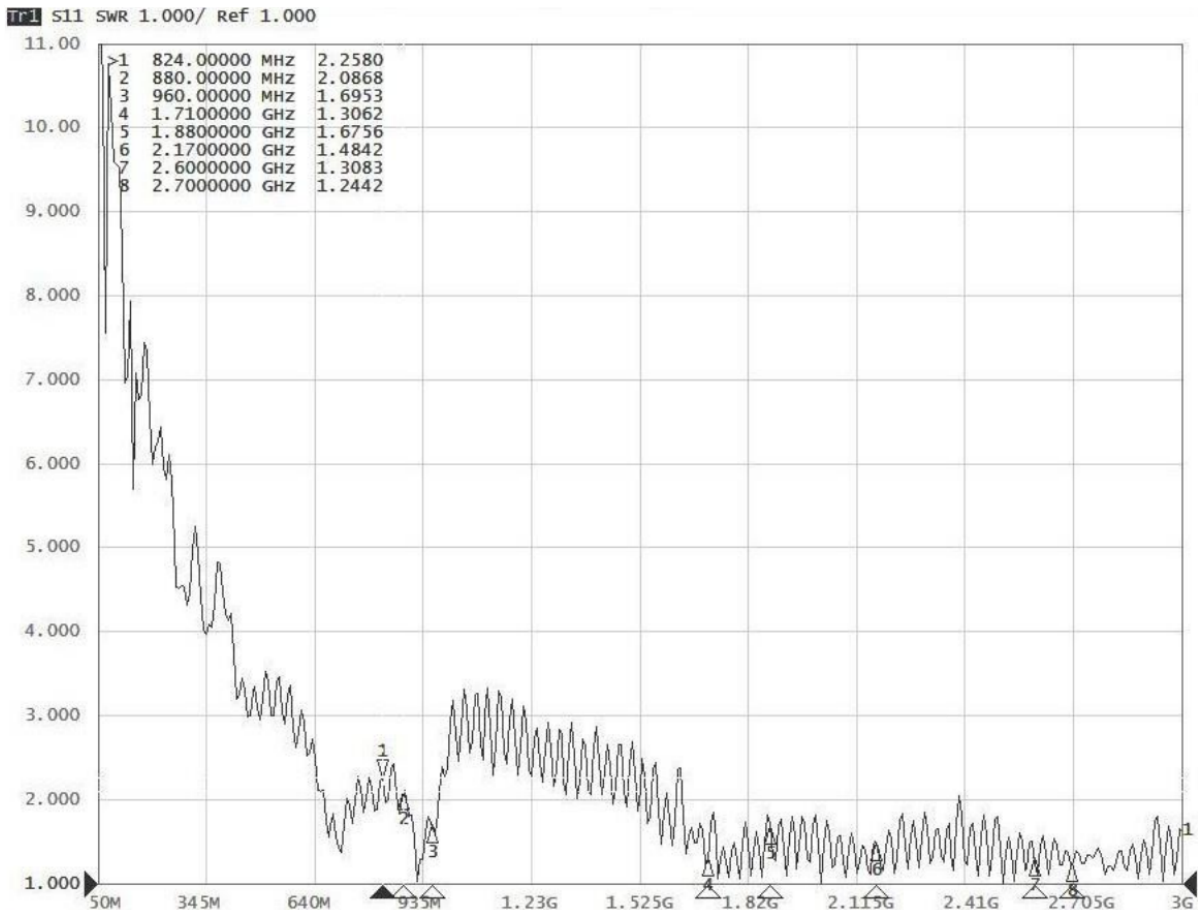
## DRAWING



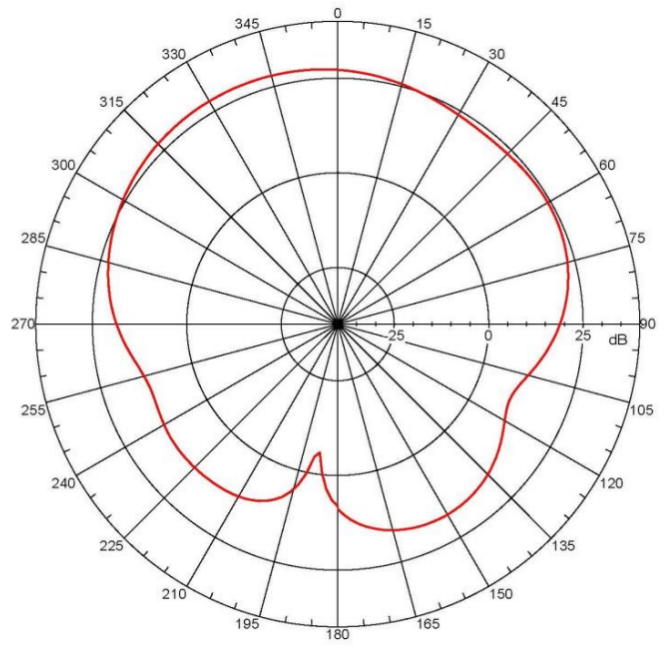
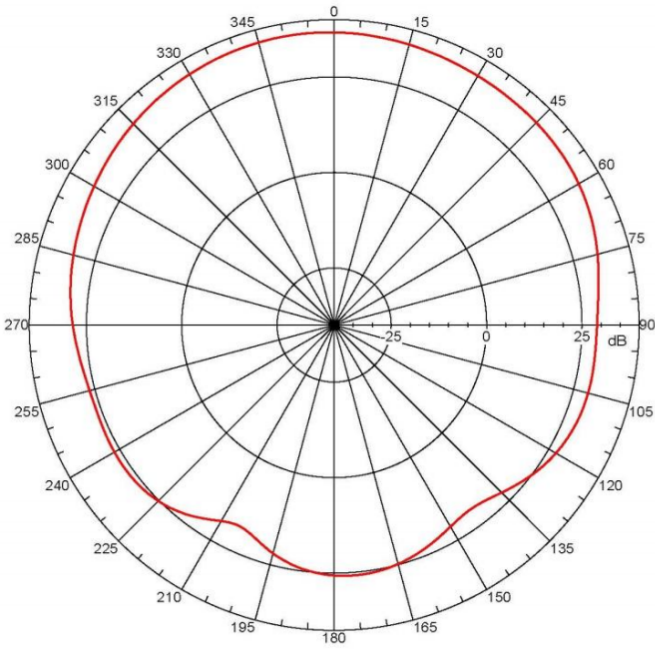
$S_{11}$  - Return Loss [dB]



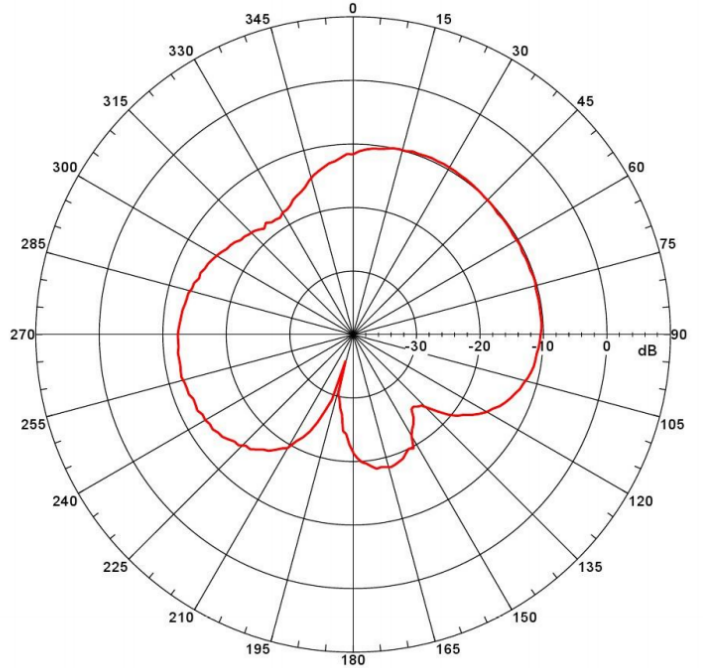
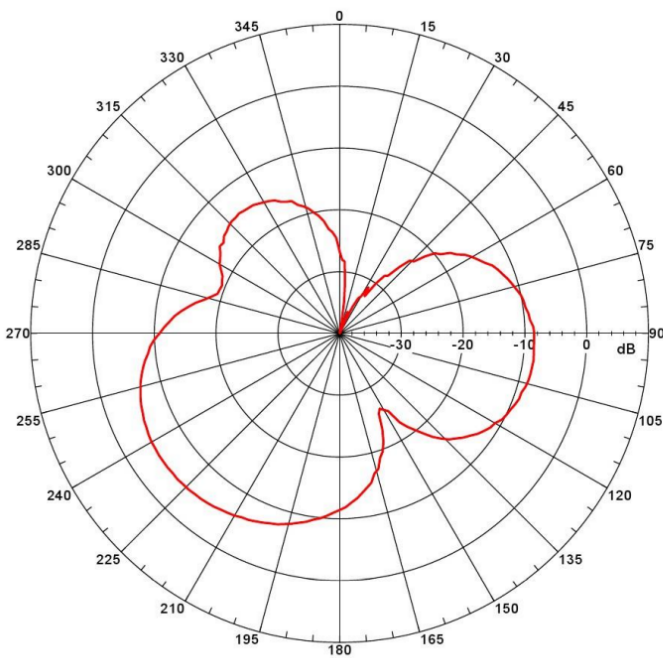
VSWR – Voltage standing wave ratio [-]



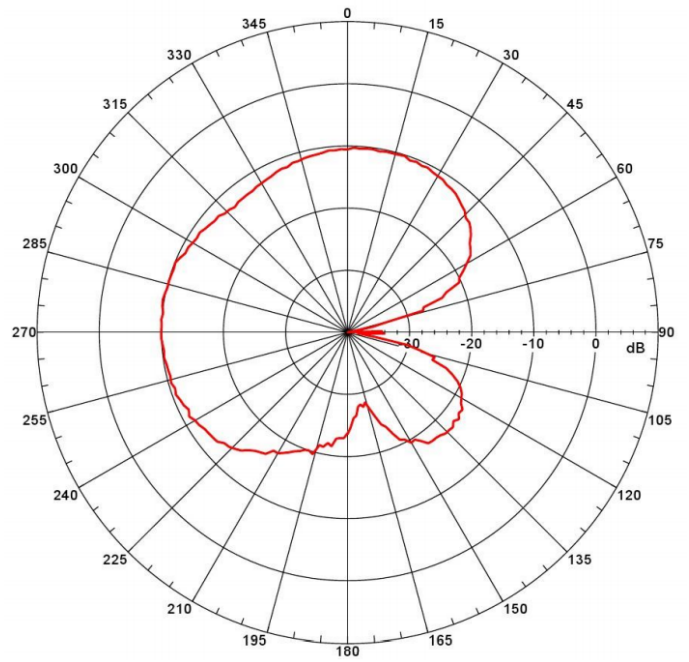
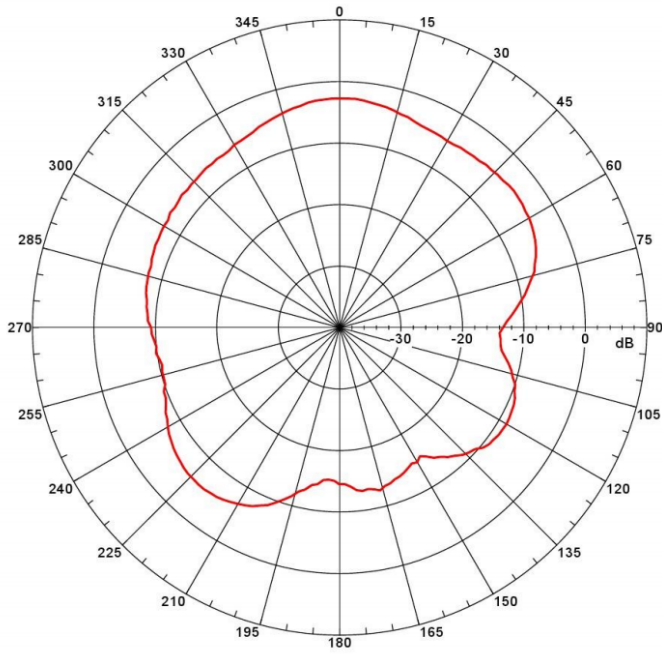
**RADIATION PATTERN - GPS (E-plane/H-plane)**



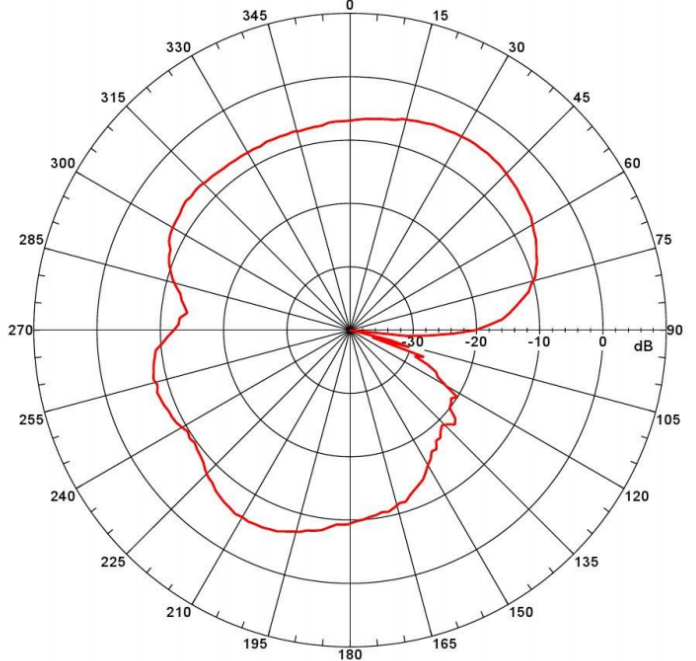
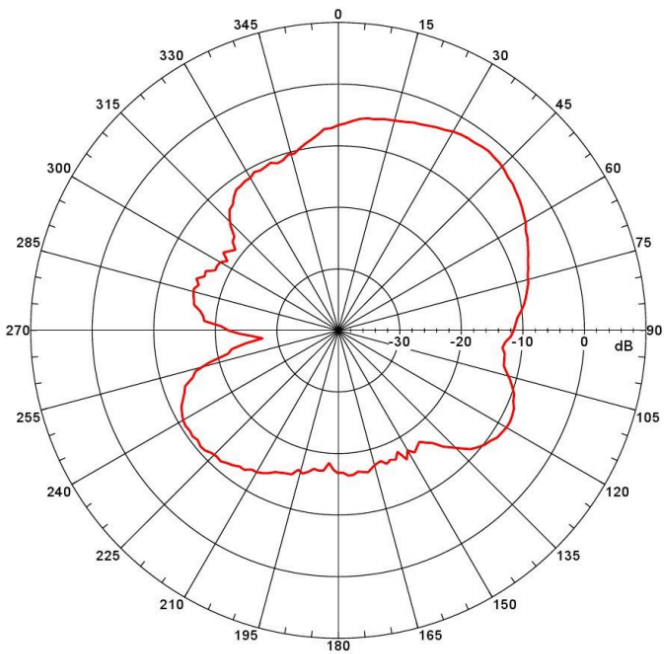
**RADIATION PATTERN - LTE 824 MHz (E-plane/H-plane)**



**RADIATION PATTERN - LTE 1880 MHz (E-plane/H-plane)**



**RADIATION PATTERN - LTE 2600 MHz (E-plane/H-plane)**



| Frequency [MHz] | $S_{11}$ [dB] | VSWR [-] |
|-----------------|---------------|----------|
| 824             | -8.25         | 2.25     |
| 880             | -9.07         | 2.08     |
| 960             | -11.77        | 1.69     |
| 1710            | -17.91        | 1.30     |
| 1880            | -12.19        | 1.67     |
| 2170            | -14.28        | 1.48     |
| 2600            | -18.06        | 1.30     |
| 2700            | -19.24        | 1.24     |

## VARIANTS

Different connector variants or cable lengths are available on request.

## CONTACTS

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