



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

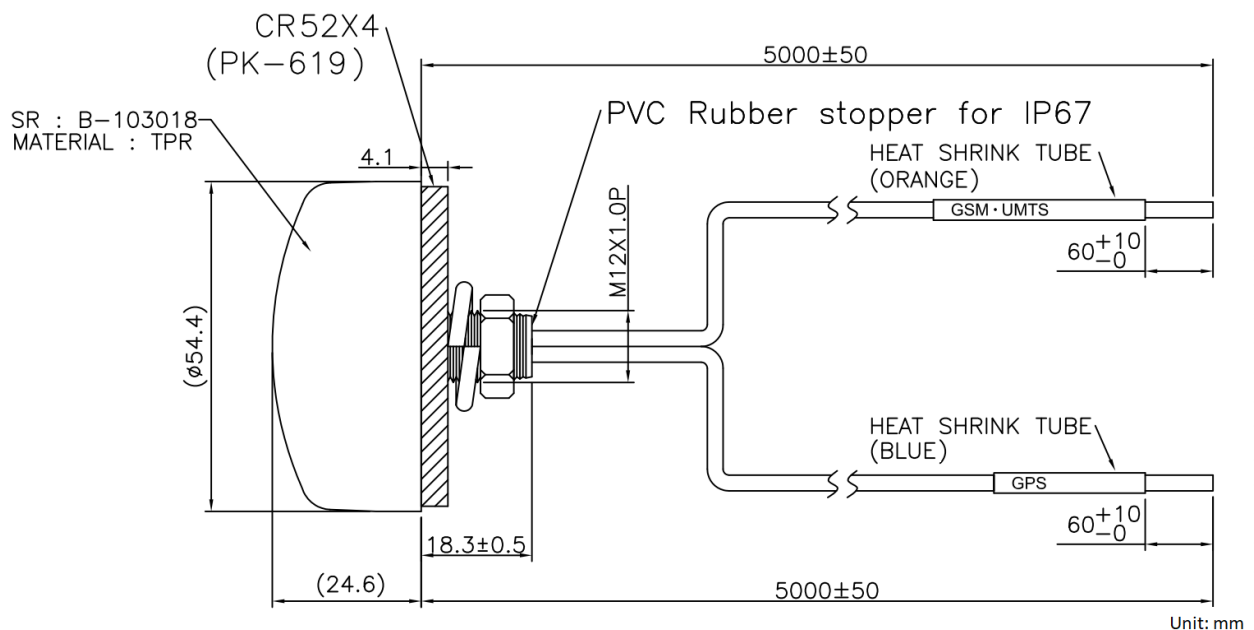


FEATURES

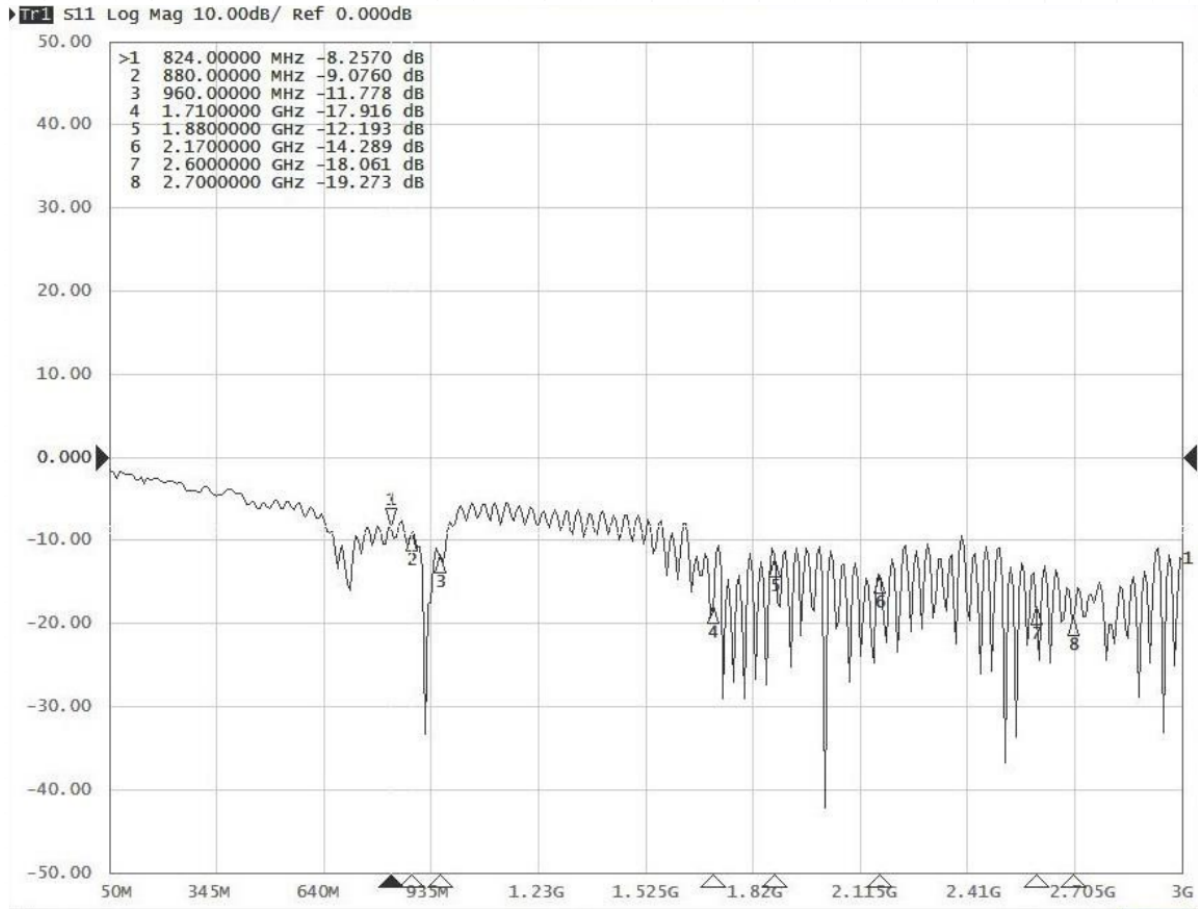
AO-AKOM-3605

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	RG316/U
The cable length	5 m
Connector type	Open end
Certification	RoHS, ISO9001, ISO14001
Material	PVC/TPR
IP code	IP67

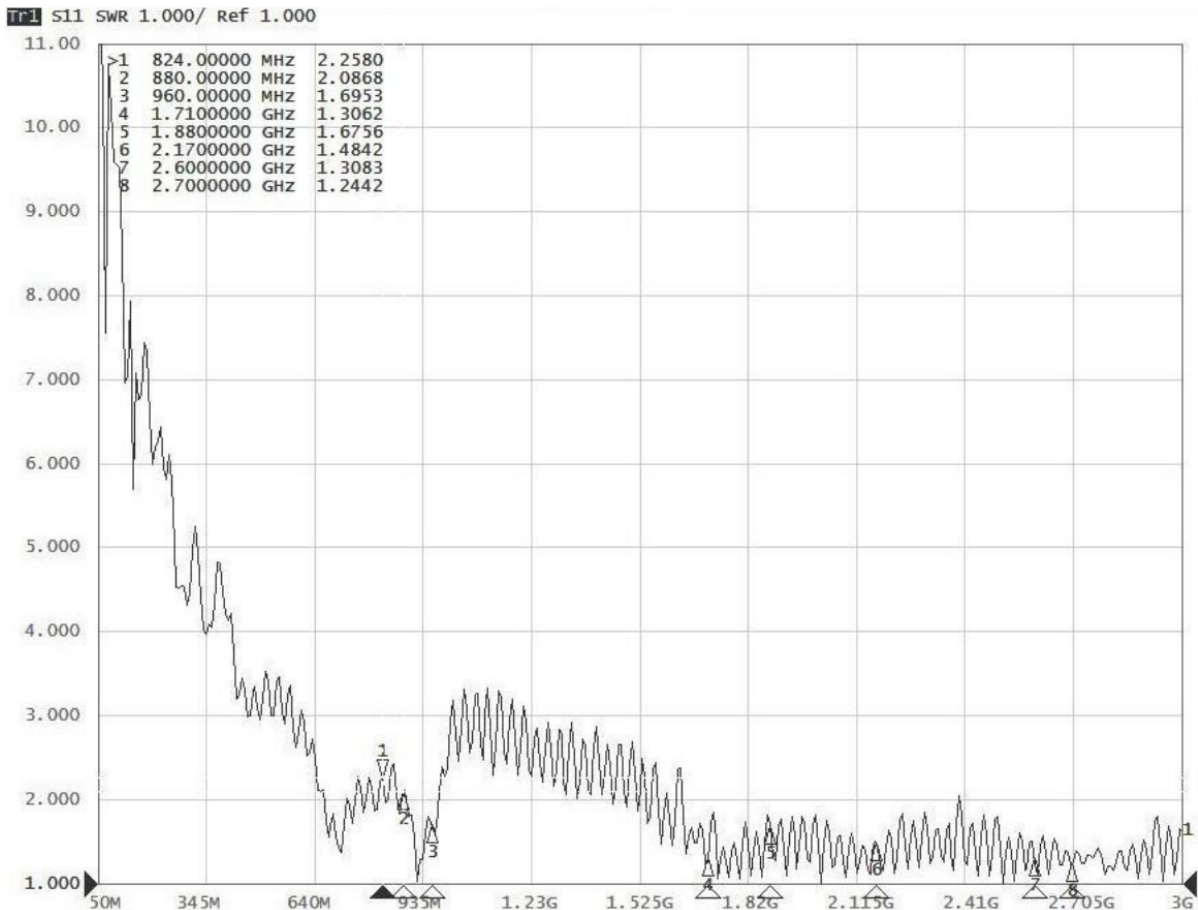
DRAWING



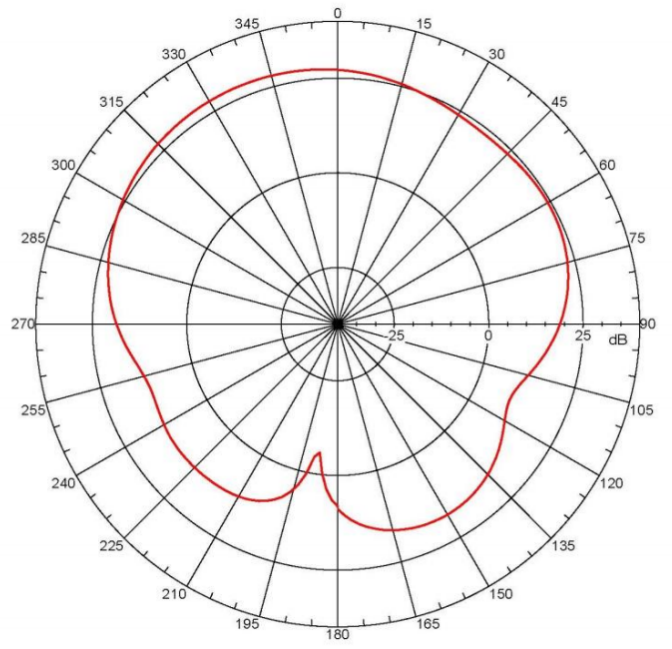
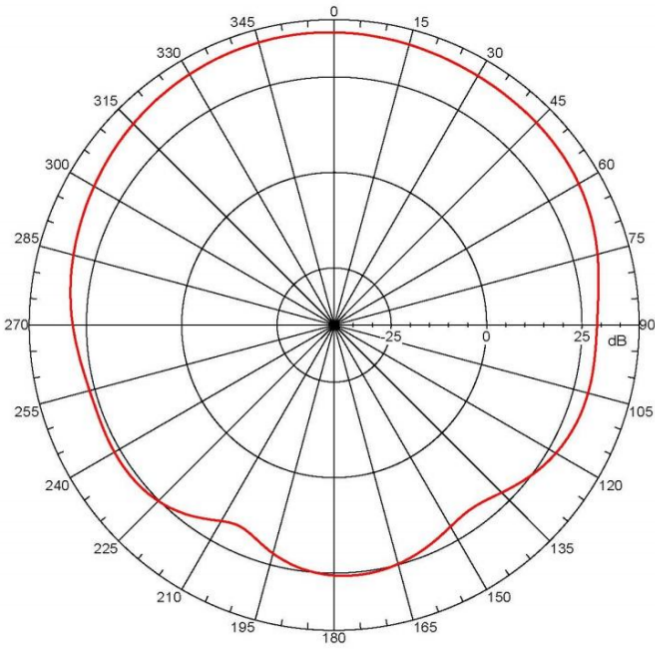
S_{11} - Return Loss [dB]



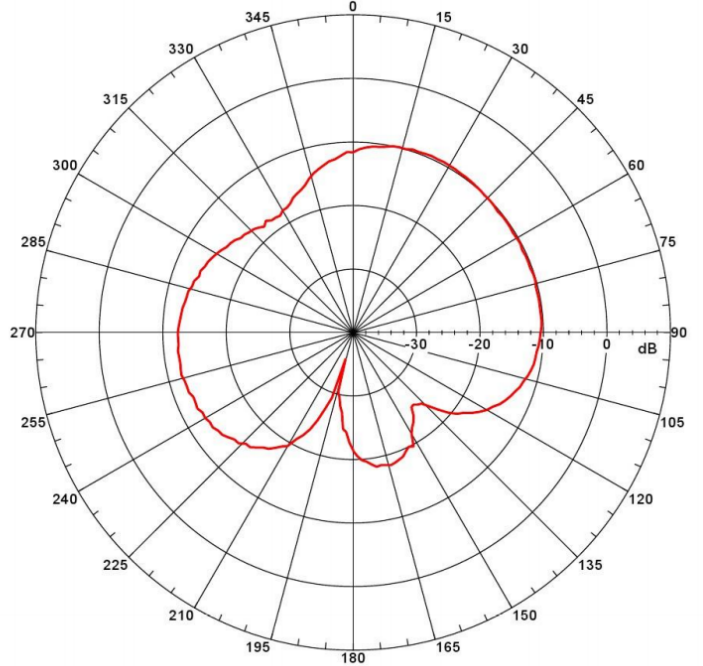
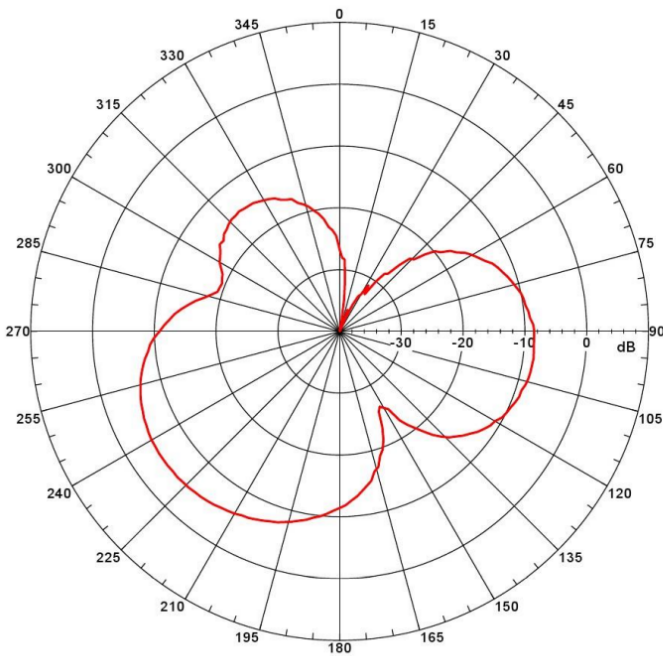
VSWR – Voltage standing wave ratio [-]



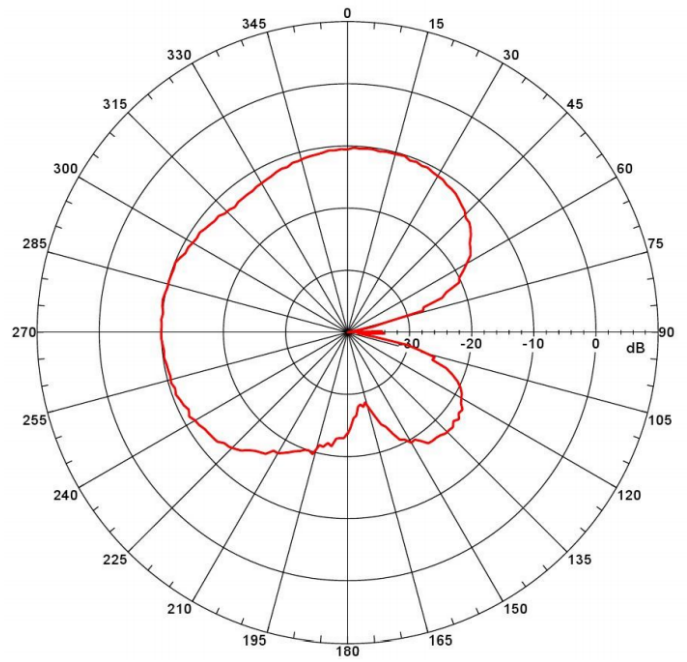
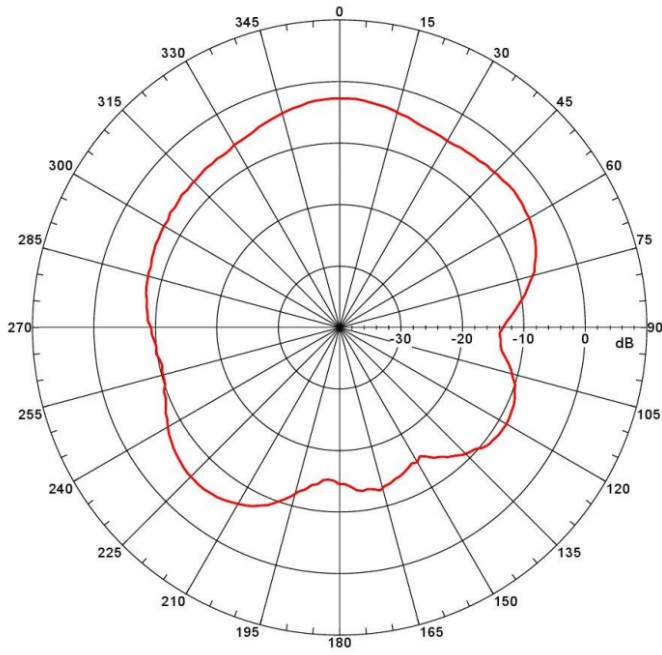
RADIATION PATTERN - GPS (E-plane/H-plane)



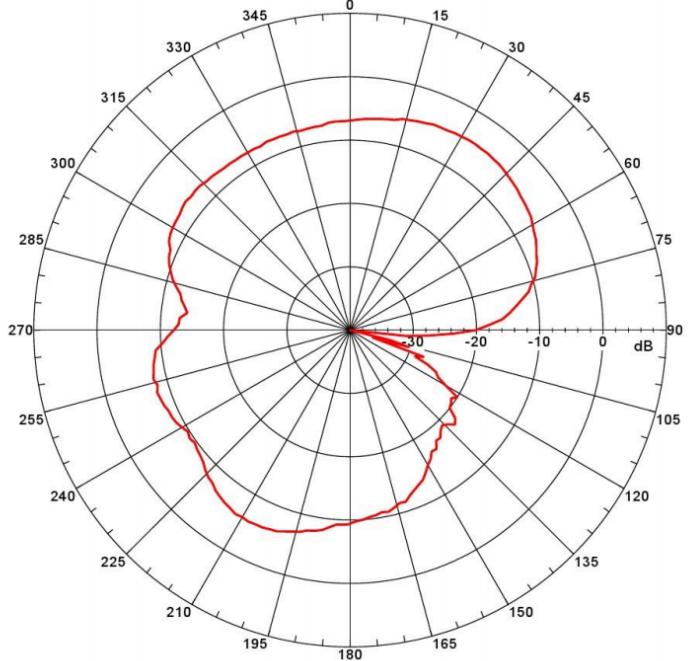
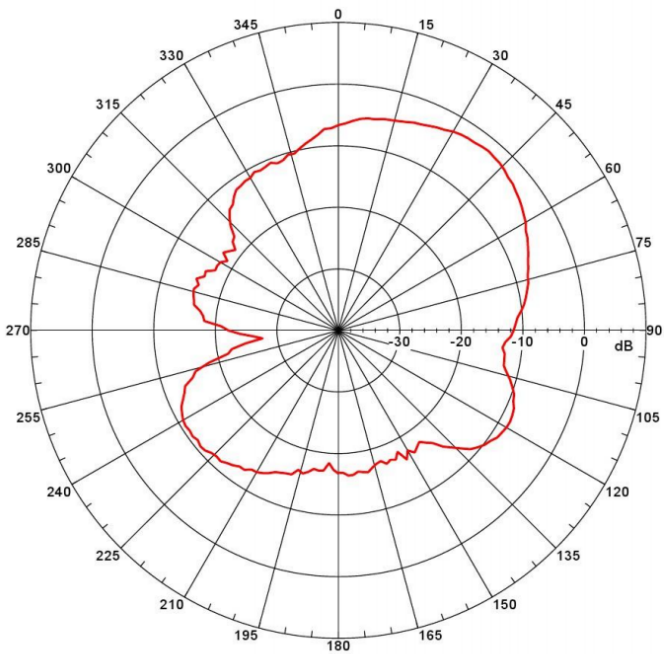
RADIATION PATTERN - LTE 824 MHz (E-plane/H-plane)



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

SECTRON s.r.o. Josefa Šavla 1271/12
709 00 Ostrava 9, Czech Republic

WWW.SECTRON.CZ
Tel.: +420 556 621 020