



LTE/GPS ANTENNA

Antenna LTE/GPS Mounting PUCK,
RG316/3m, open end

AO-AKOM-3603

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

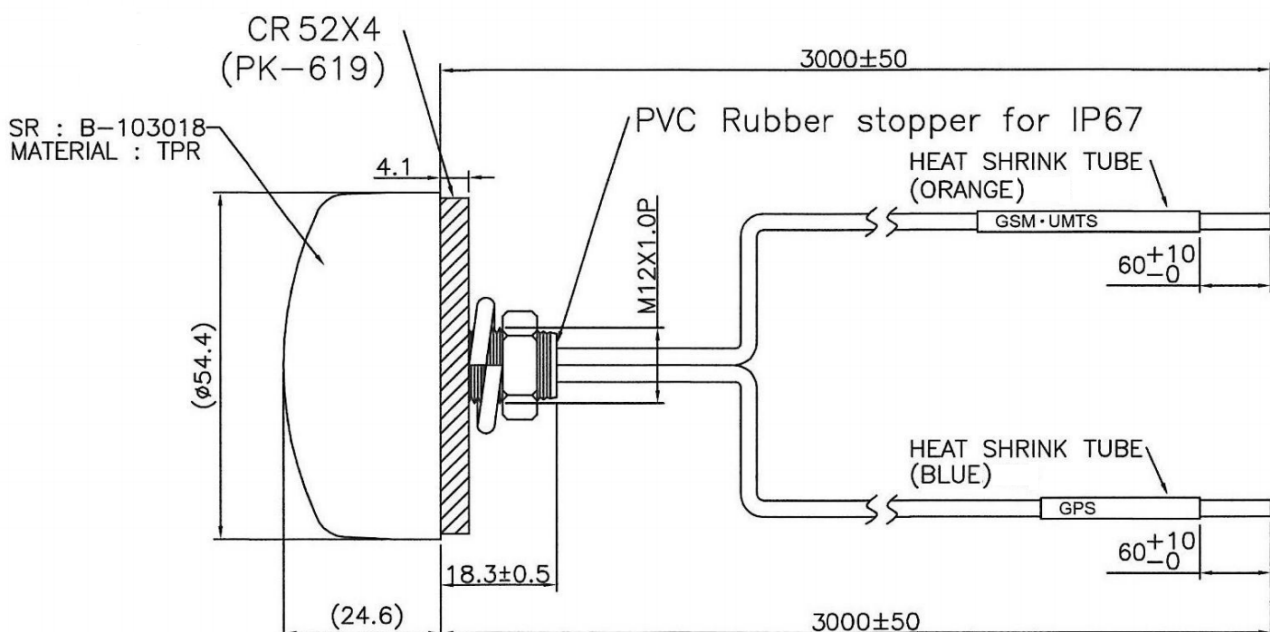


FEATURES

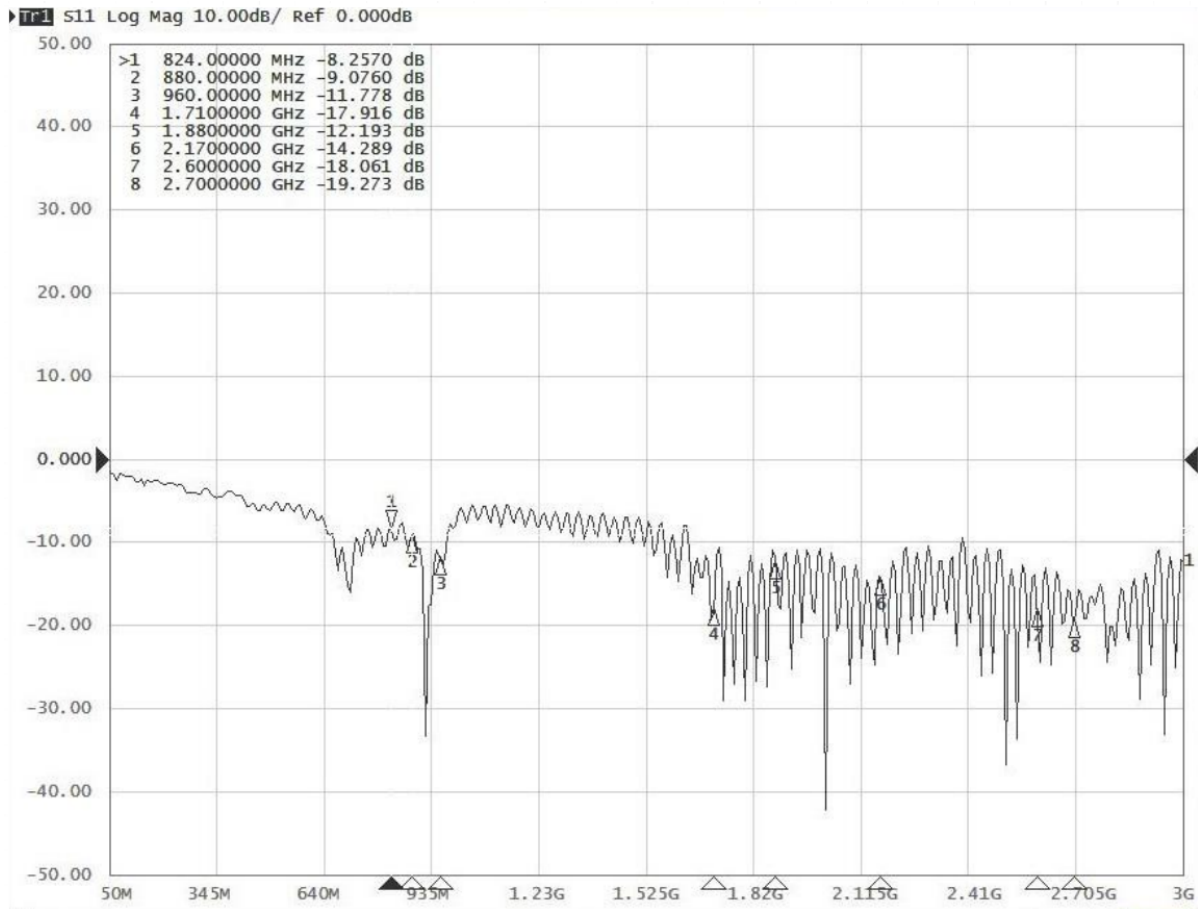
AO-AKOM-3603

Technology	LTE/GPS
Frequency bands	800~900;1700~2100/1575.42 MHz
Bandwidth	-
Gain	2/2 dBi
LNA gain	25 dB
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	152.84 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Mounting
Cable type	RG316/U
The cable length	3 m
Connector type	Open end
Certification	RoHS, ISO9001, ISO14001
Material	PVC/TPR

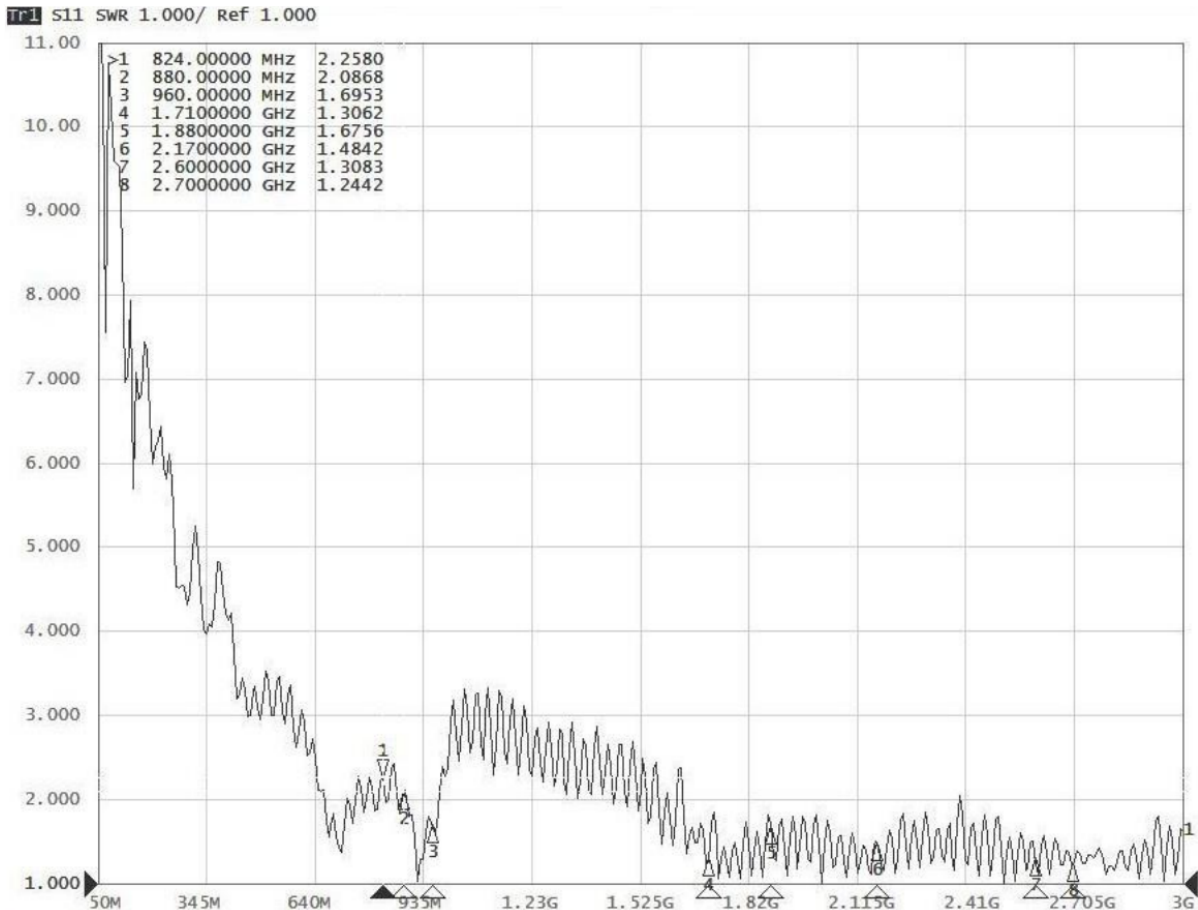
DRAWING



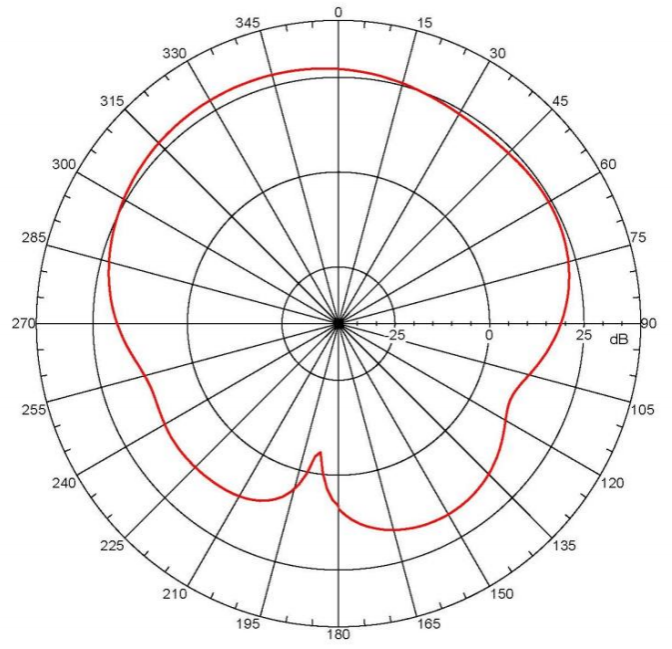
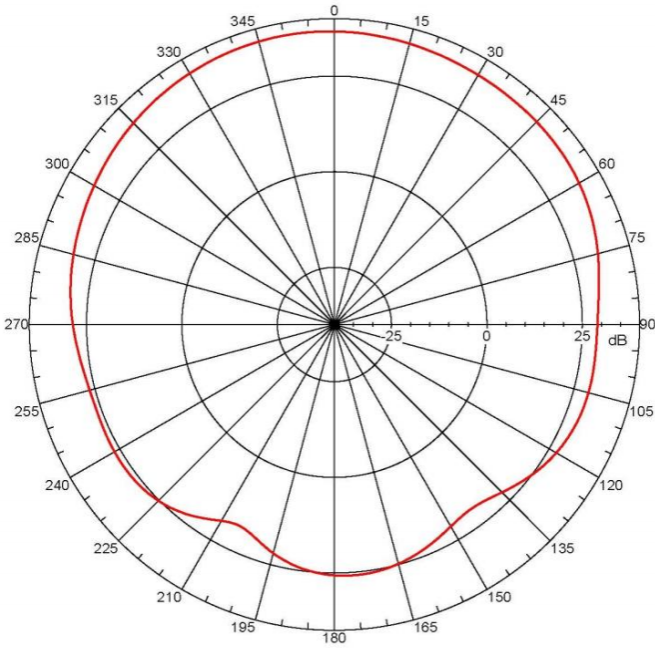
S_{11} - Return Loss [dB]



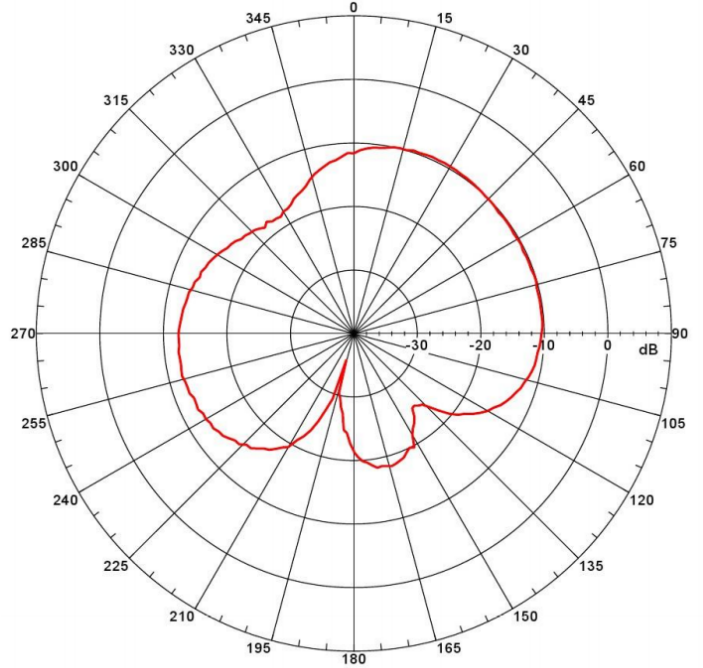
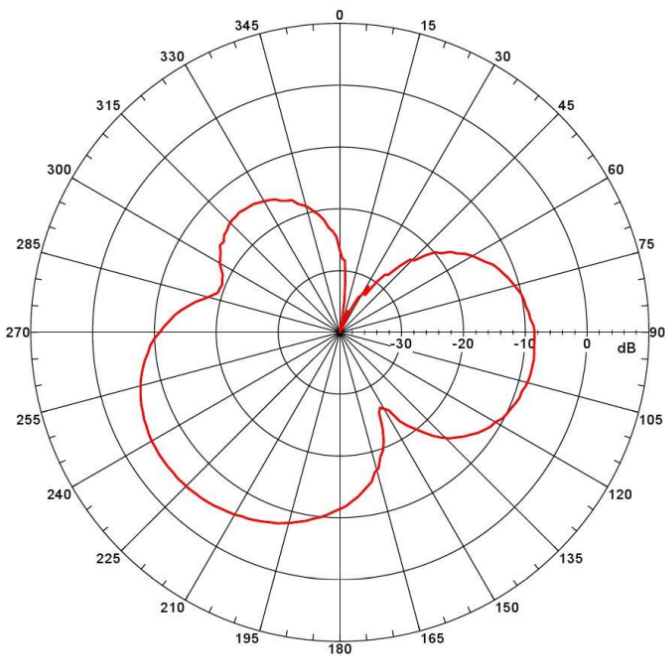
VSWR – Voltage standing wave ratio [-]



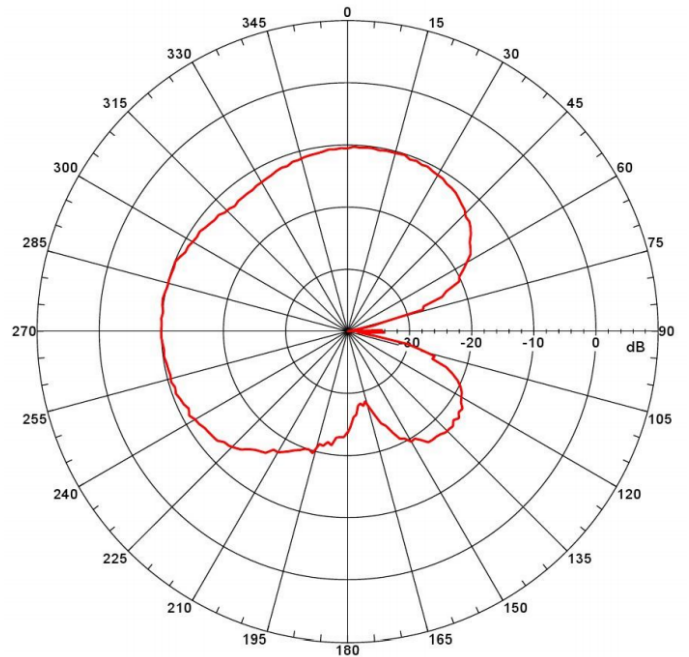
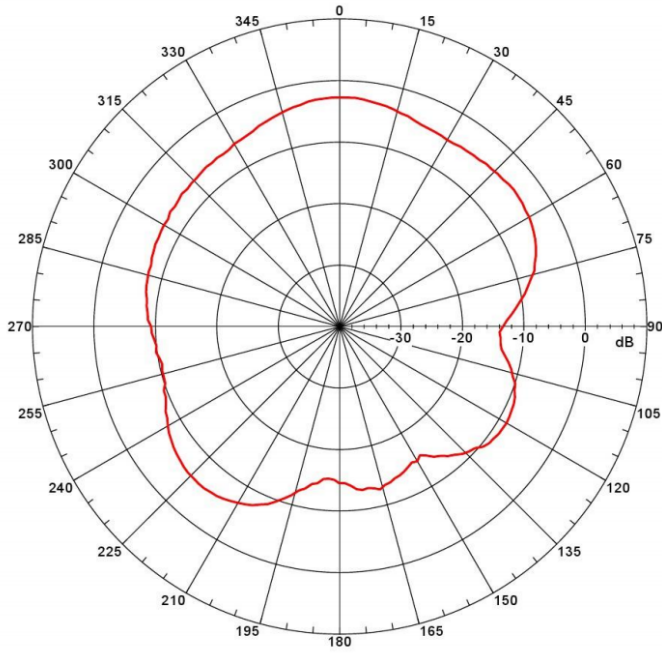
RADIATION PATTERN - GPS (E-plane/H-plane)



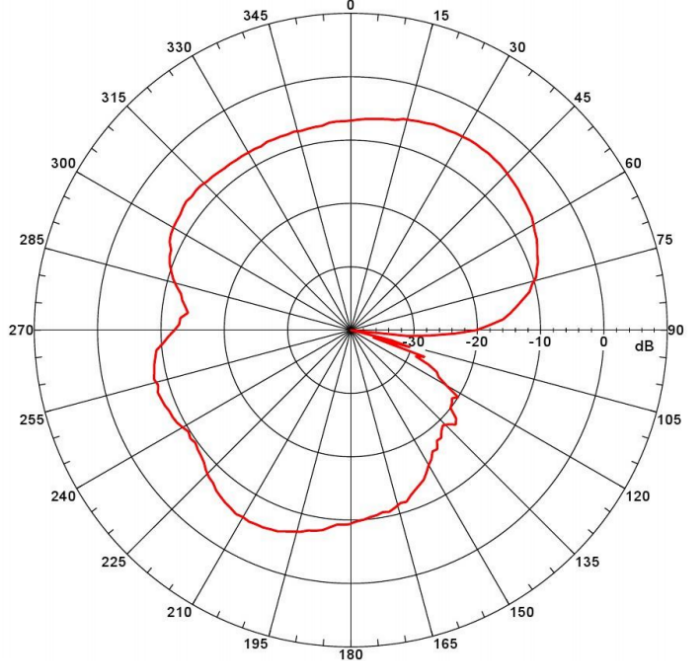
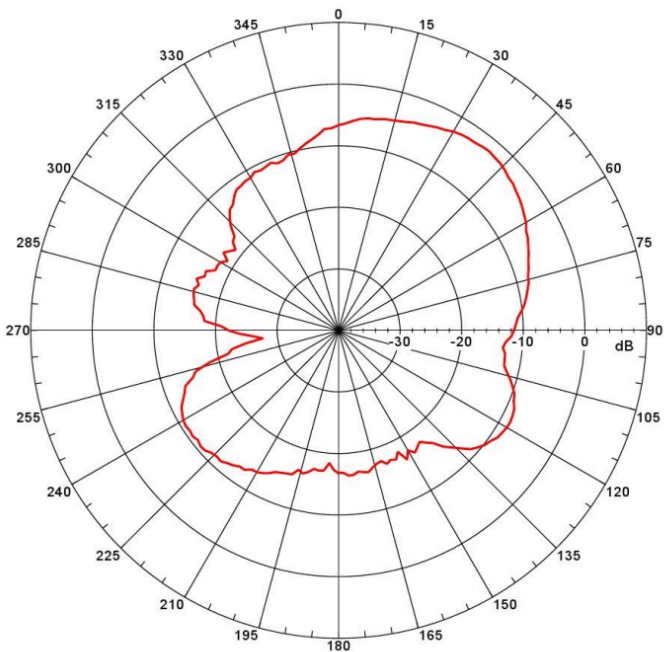
RADIATION PATTERN - LTE 824 MHz (E-plane/H-plane)



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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