



## LTE/GPS Antenna

Antenna LTE/GPS Mounting PUCK,  
RG174/3m, SMA(m)/SMA(m)

AO-AKOM-36SS

SECTRON company offers a wide portfolio of LTE and 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
- Easy installation
- High frequency range

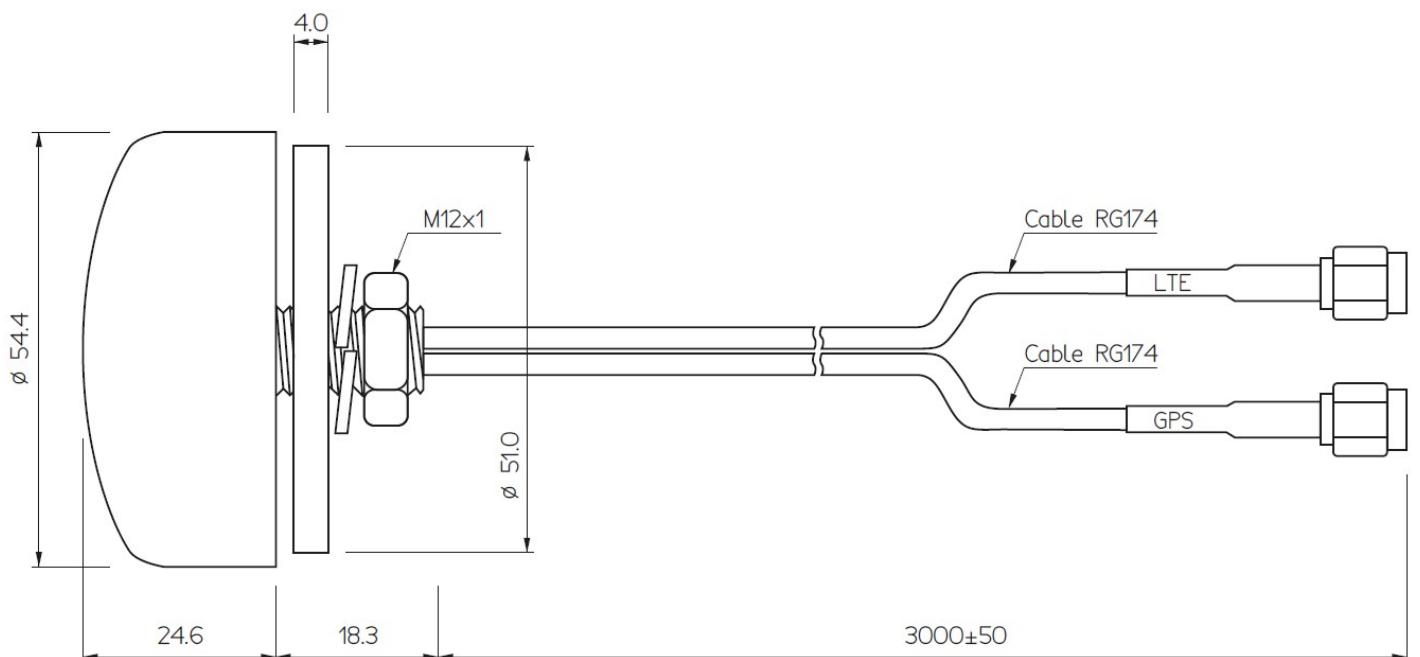


## FEATURES

AO-AKOM-36SS

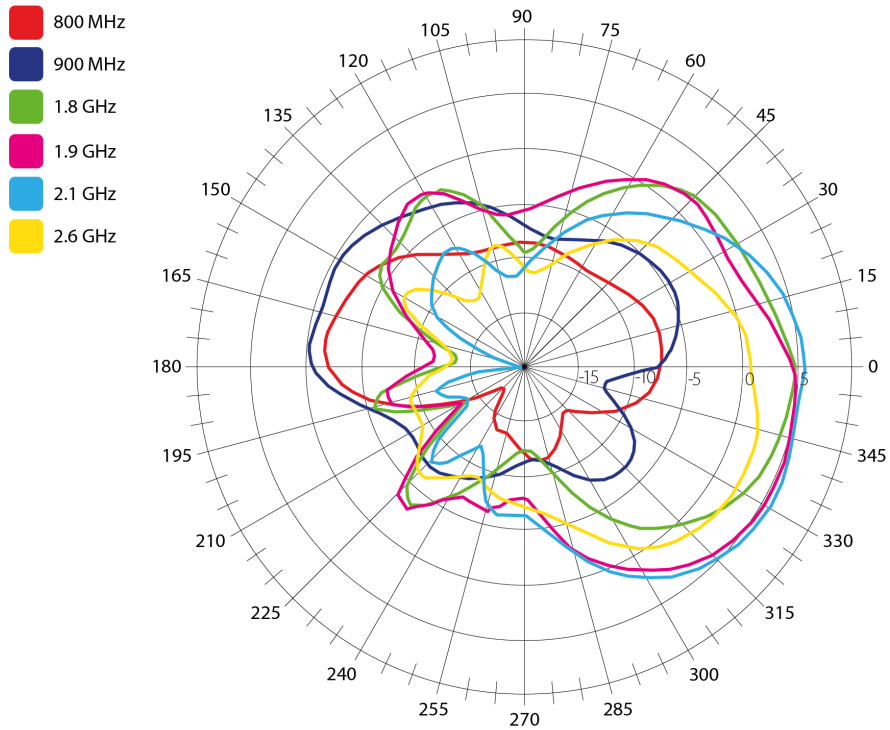
Technology	GSM/UMTS/LTE/GPS
Frequency bands	800/900/1700/1800/1900/2100/2600/2700/1575.42 MHz
Bandwidth	1 MHz (GPS)/100 MHz(LTE)
Gain	0 dBi
LNA Gain	27 dB
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H-360°, V-30°
Polarization	Linear/R.H.C.P.
Maximum input power	10 W
Power voltage	2.7 to 5.5 V DC
Dimensions	∅ 54.4 x 28.6 mm
Weight	132.25 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Mounting
Cable type	2 x RG174
The cable length	2 x 3 m
Connector type	SMA(m)/SMA(m)
Certification	-
IP code	IP 67
Material	PVC Rubber

## DRAWING

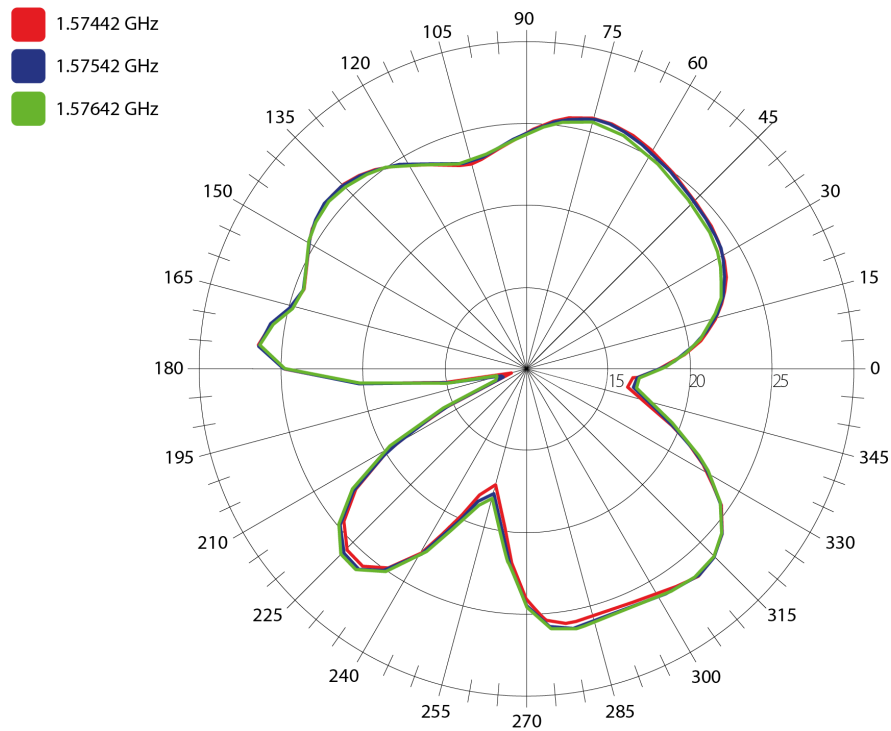


### RADIATION PATTERN - 2D

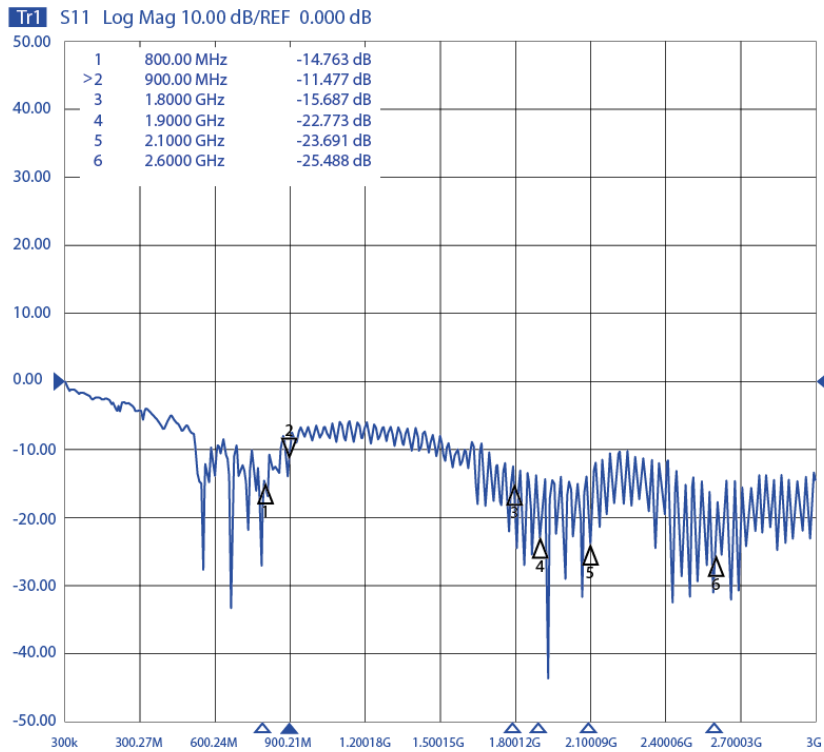
#### LTE Antenna



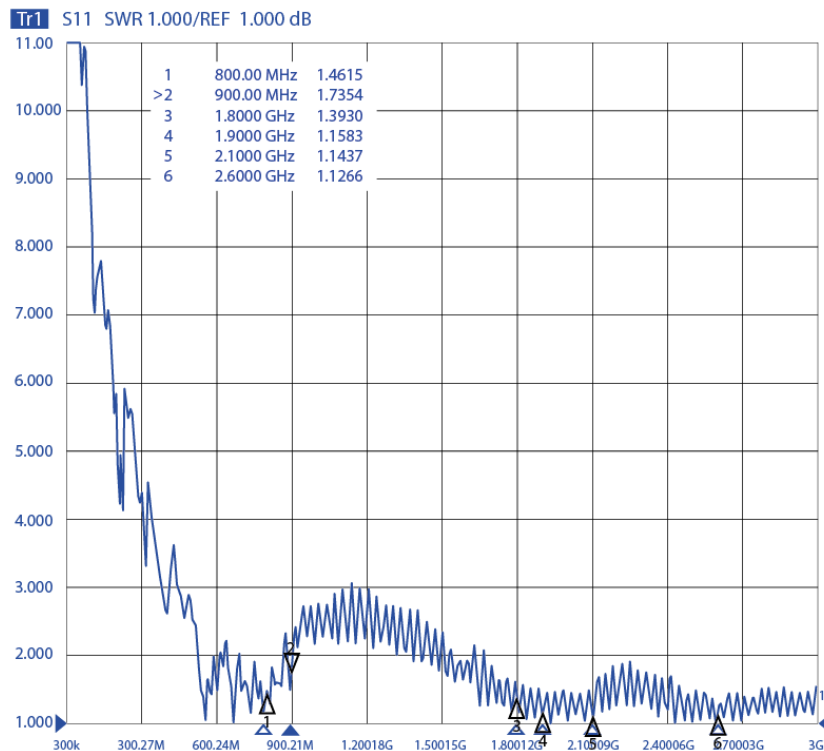
#### GPS Antenna



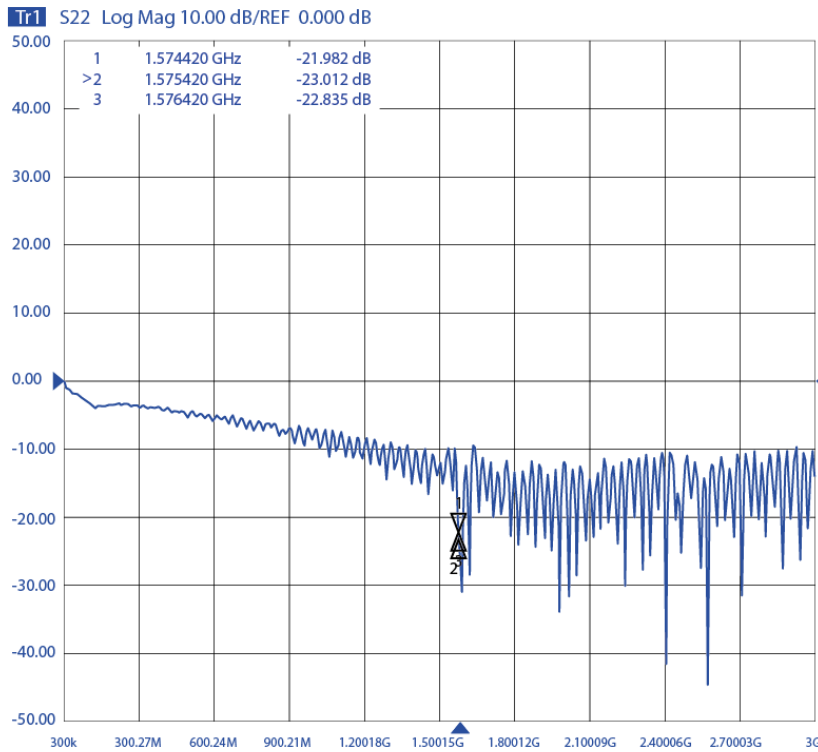
$S_{11}$  - Return Loss of LTE antenna [dB]



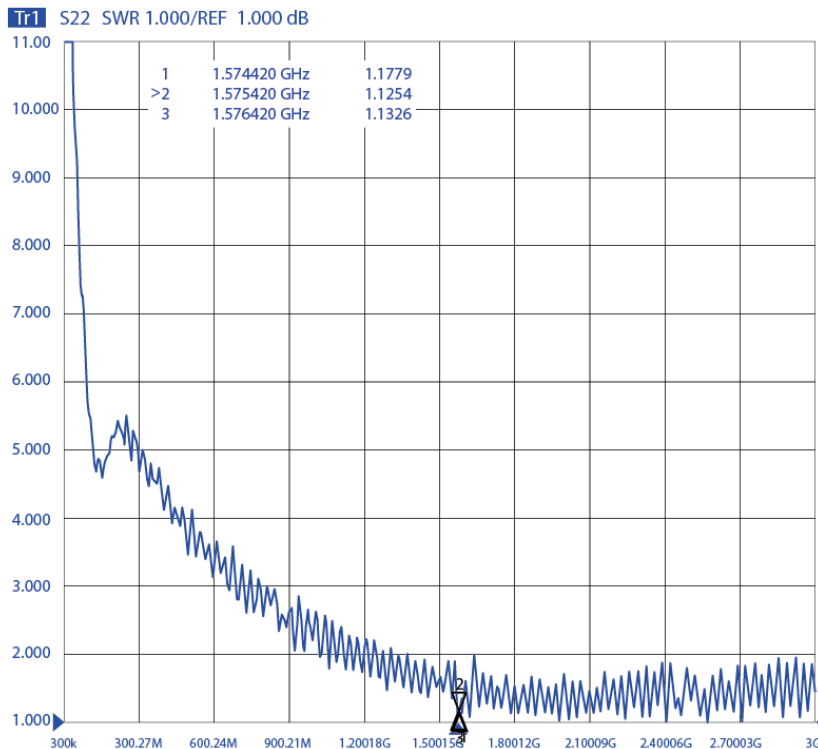
VSWR – Voltage standing wave ratio of LTE antenna [-]



$S_{11}$  - Return Loss of GPS antenna [dB]



VSWR – Voltage standing wave ratio of GPS antenna [-]



**LTE antenna features**

	Gain [dBi]	VSWR [-]	$S_{11}$ [dB]
800 MHz	-2	1.4615	-14.763
900 MHz	0	1.7354	-11.477
1.8 GHz	5	1.3930	-15.687
1.9 GHz	5	1.1583	-22.773
2.1 GHz	6	1.1437	-23.691
2.6 GHz	3	1.1266	-25.488

**GPS antenna features**

	Gain [dBi]	VSWR [-]	$S_{11}$ [dB]
1.57442 GHz	28	1.1779	-21.982
1.57542 GHz	28	1.1254	-23.012
1.57642 GHz	28	1.1326	-22.835

## VARIANTS

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Different connector variants or cable lengths are available on request.

## CONTACTS

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

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