



## GSM/UMTS/LTE/GPS/GLONASS ANTENNA

Antenna  
GSM/UMTS/LTE/GPS/GLONASS  
Mounting PUCK,  
2x RG316/5m, 2x SMA(m)

AO-AKOM-36XSS5

SECTRON company offers a wide portfolio of GSM/UMTS/LTE/GPS/GLONASS 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.

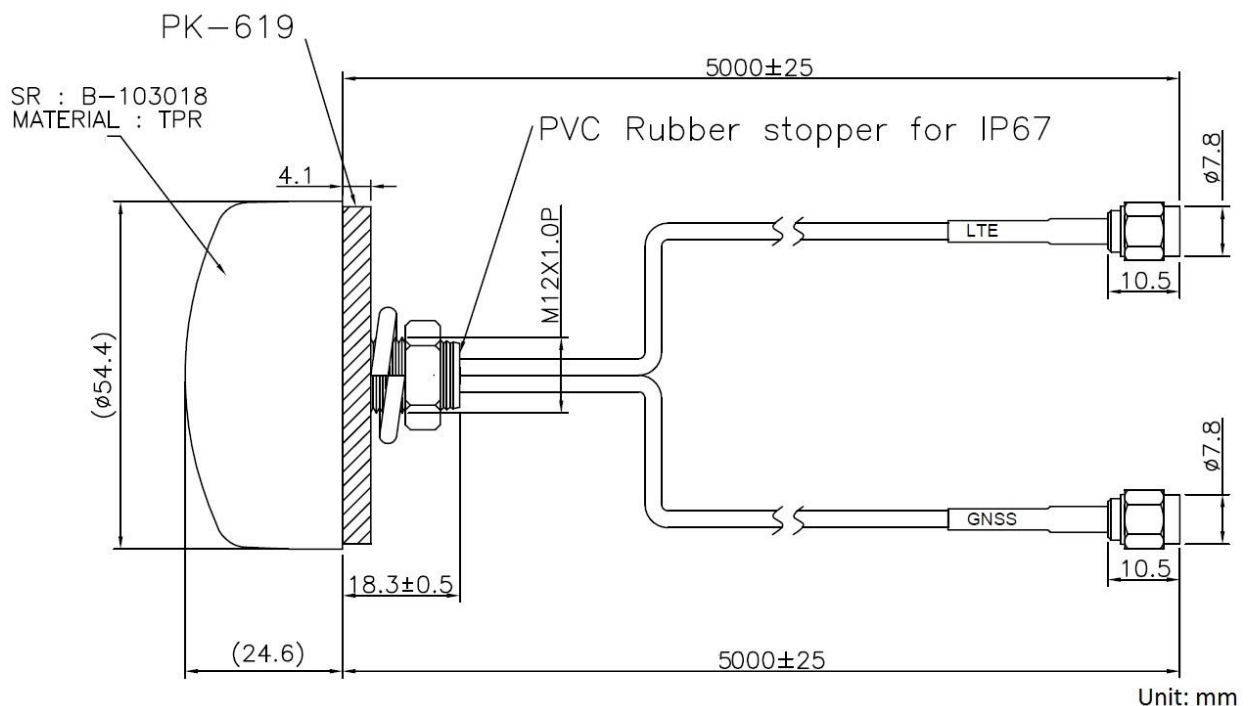


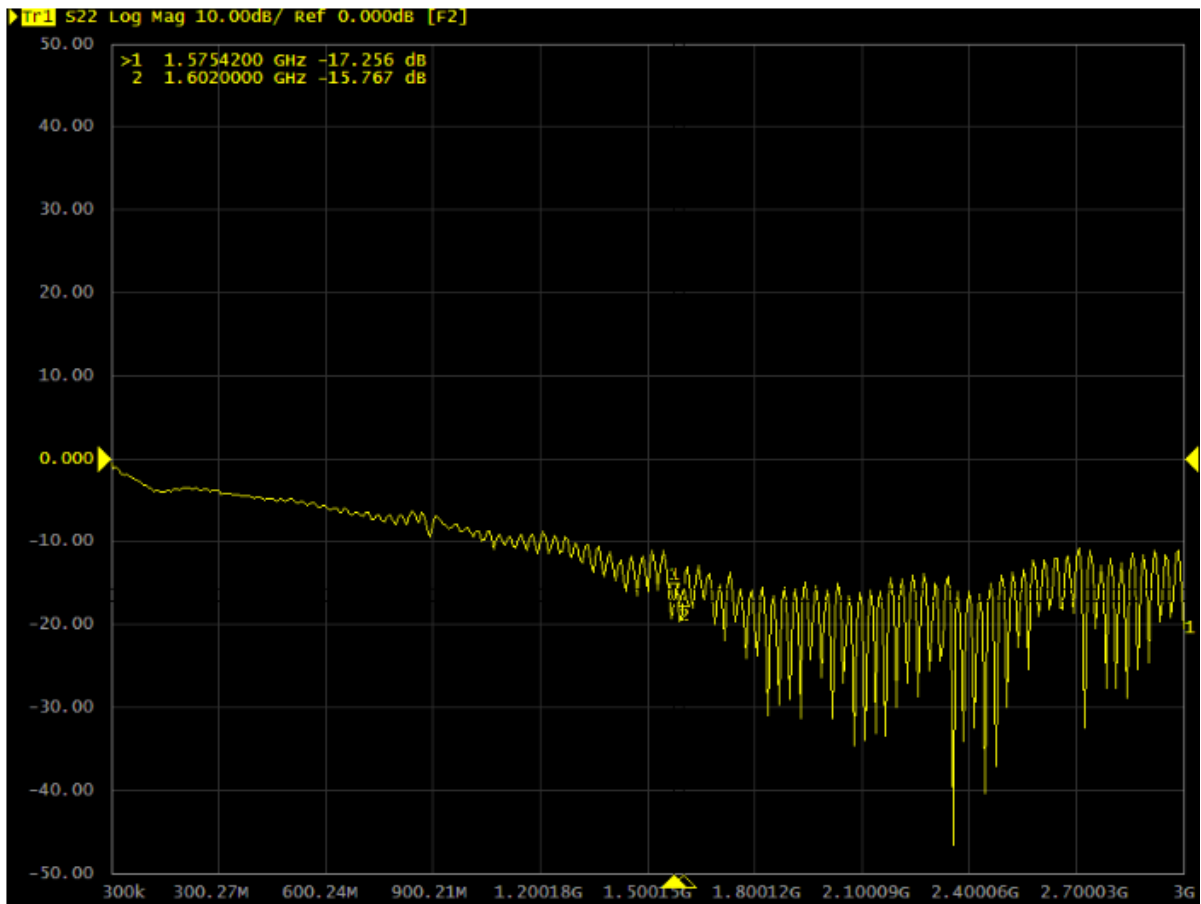
### BENEFITS

- Anti-vandal design
- Environmental resistance
- High frequency range

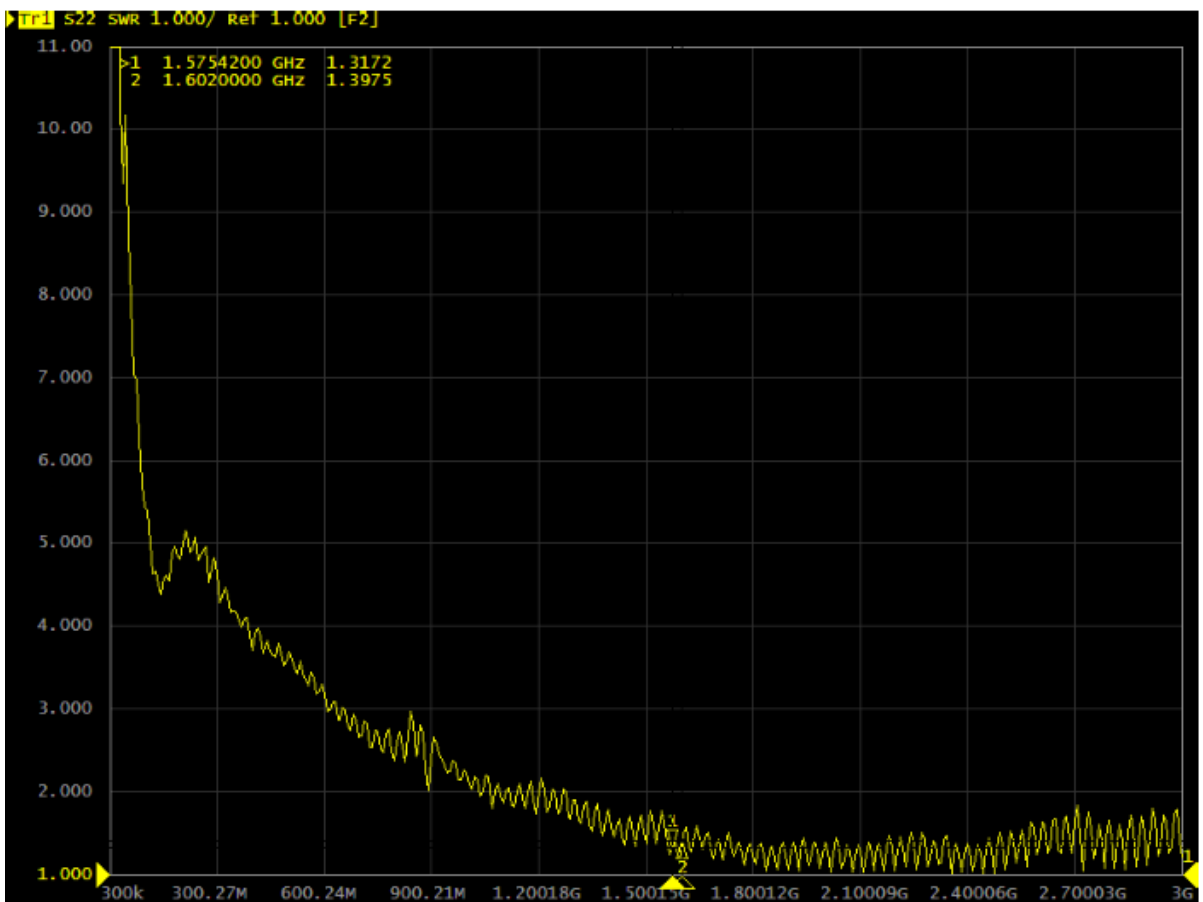
Technology	GSM/UMTS/LTE/GPS/GLONASS
Frequency bands	800/900/1700/1800/2100/2400/2600/1575.42/1602 MHz
Bandwidth	-
LTE/GNSS Gain	7/2 dBi
LNA Gain	30 dB
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	See attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	3 V (GNSS)
Dimensions	Ø 54.4 x 42.9 mm
Weight	200.46 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Mounting
Cable type	2 x RG316/U
The cable length	2 x 5 m
Connector type	2 x SMA(m)
Certification	RoHS, ISO 9001/ISO 14001
IP code	IP67

DRAWING

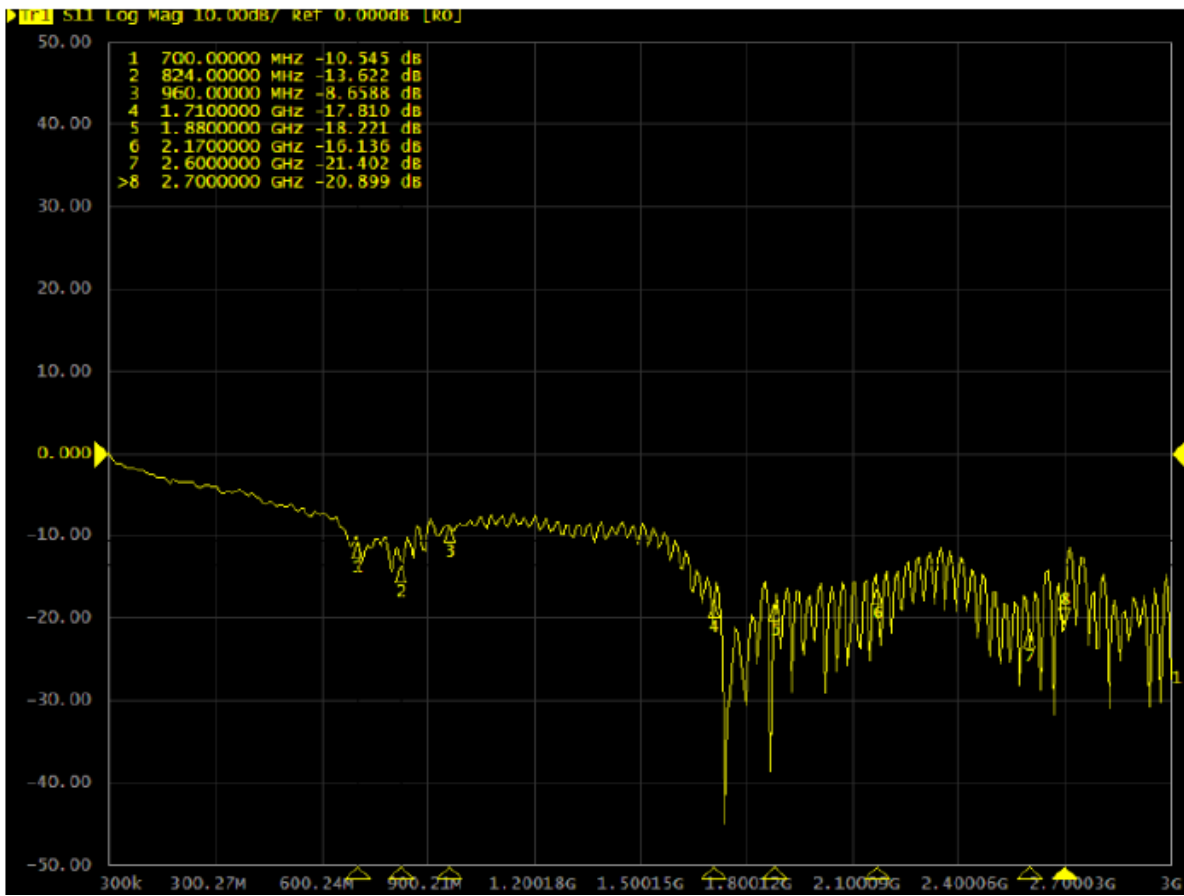


Graph  $S_{11}$  – Return Loss [dB]

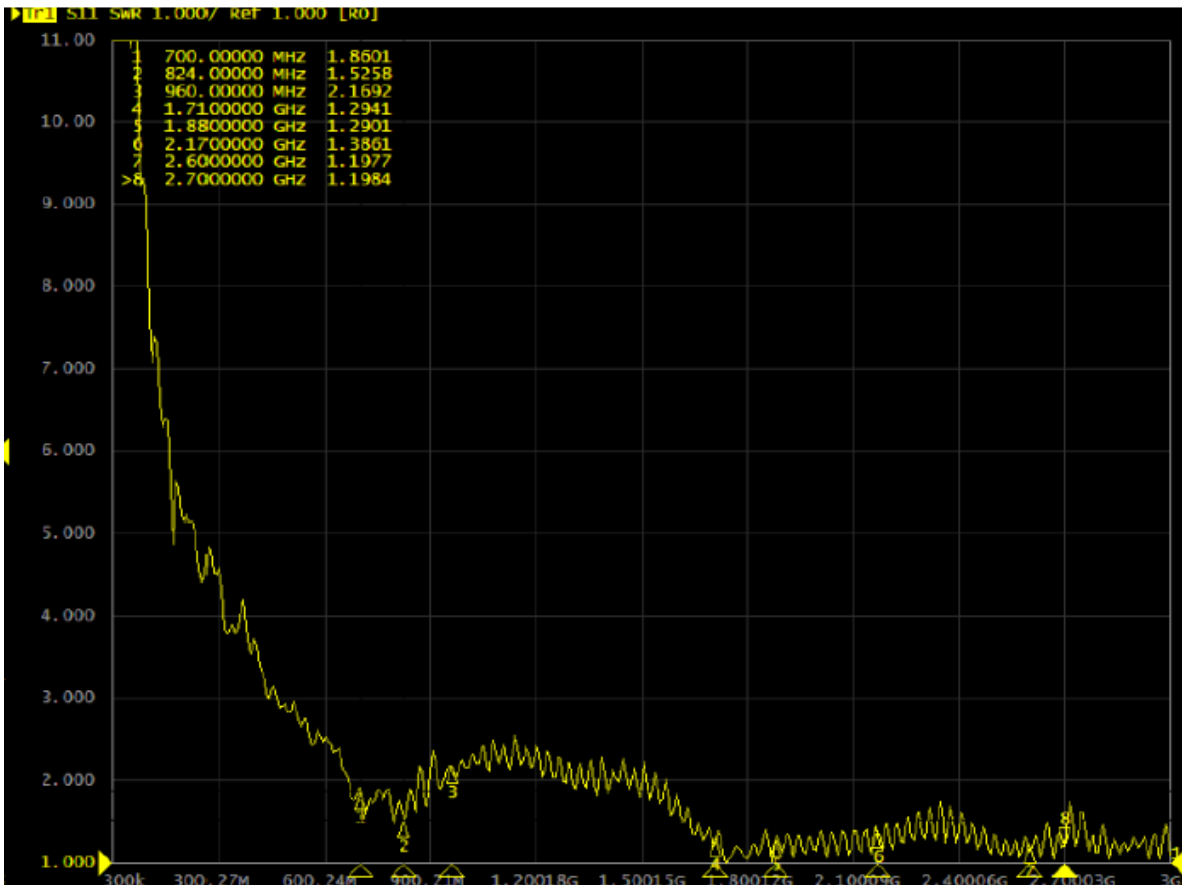
Graph VSWR – Standing wave ratio [-]



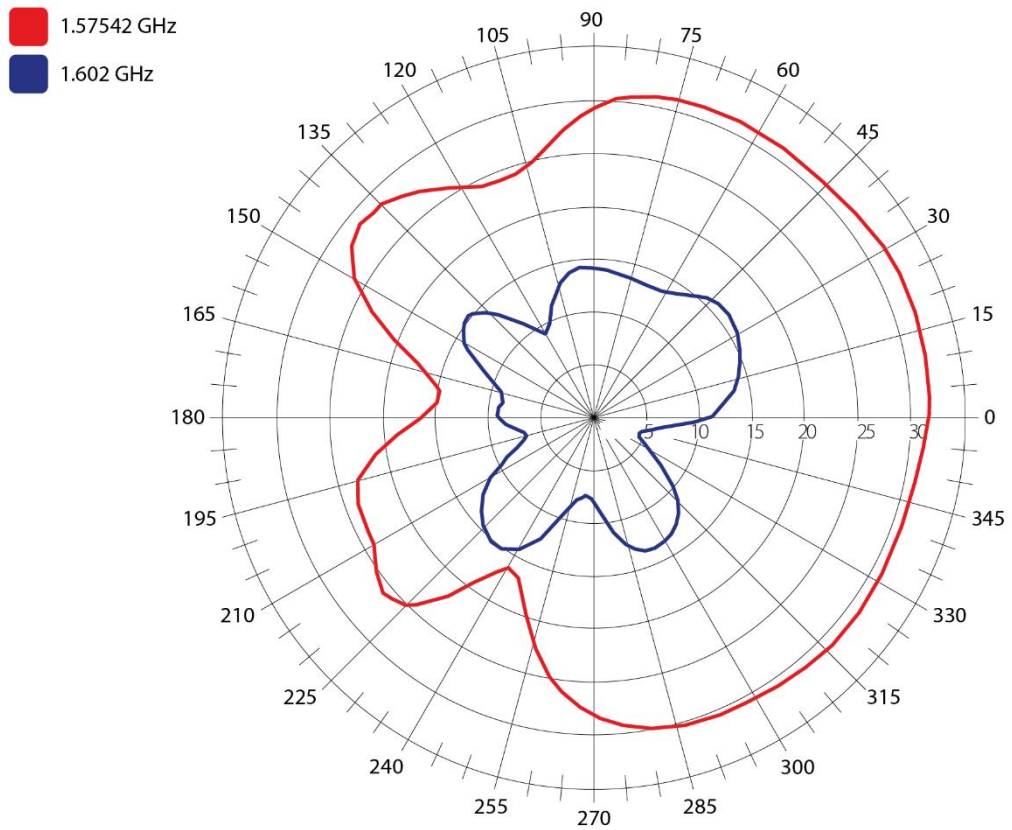
Graph S<sub>11</sub> – Return Loss [dB]



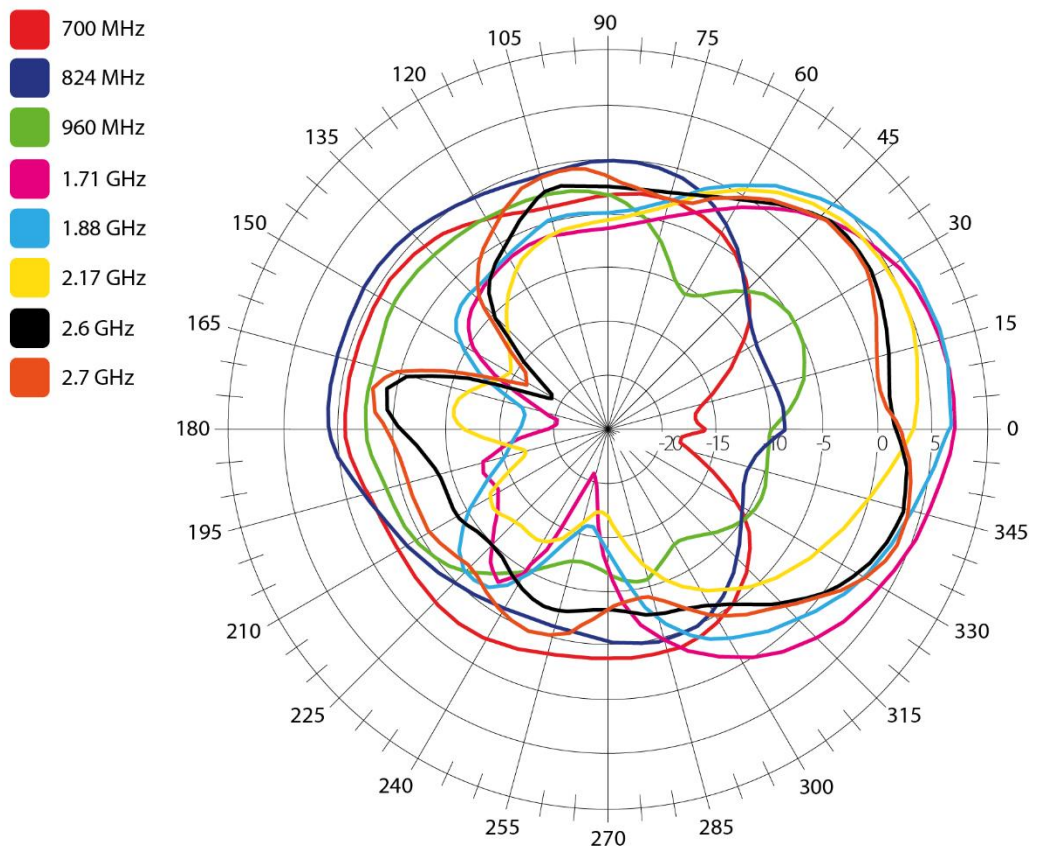
Graph VSWR – Standing wave ratio [-]



### 3D Radiation pattern - GNSS



### 3D Radiation pattern - LTE



**GNSS**

<b>Frequency [MHz]</b>	<b>Return Loss [dB]</b>	<b>VSWR [-]</b>	<b>Gain [dBi]</b>
1575.42 (GPS)	-17.25	1.31	31.97
1602 (GLONASS)	-15.76	1.39	16.7

**LTE**

<b>Frequency [MHz]</b>	<b>Return loss [dB]</b>	<b>VSWR [-]</b>	<b>Efficiency [%]</b>	<b>Gain [dBi]</b>
700	-10.54	1.86	38.19	0.04
824	-13.62	1.52	44.77	2.41
960	-8.65	2.16	20.56	-0.86
1710	-17.81	1.29	67.61	7.15
1880	-18.22	1.29	67.45	7.06
2170	-16.13	1.38	47.32	5.01
2600	-21.40	1.19	58.75	4.03
2700	-20.89	1.19	61.09	4.09

**VARIANTS**

Different connector variants or cable lengths are available on request.

**CONTACTS**

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