



GSM/UMTS/LTE/GPS/GLONASS ANTENNA

Antenna LTE/GNSS Screw Mount R36,
2x SMA(m), 2x RG174U/0.5m

AO-AKOM-36XSS05

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.

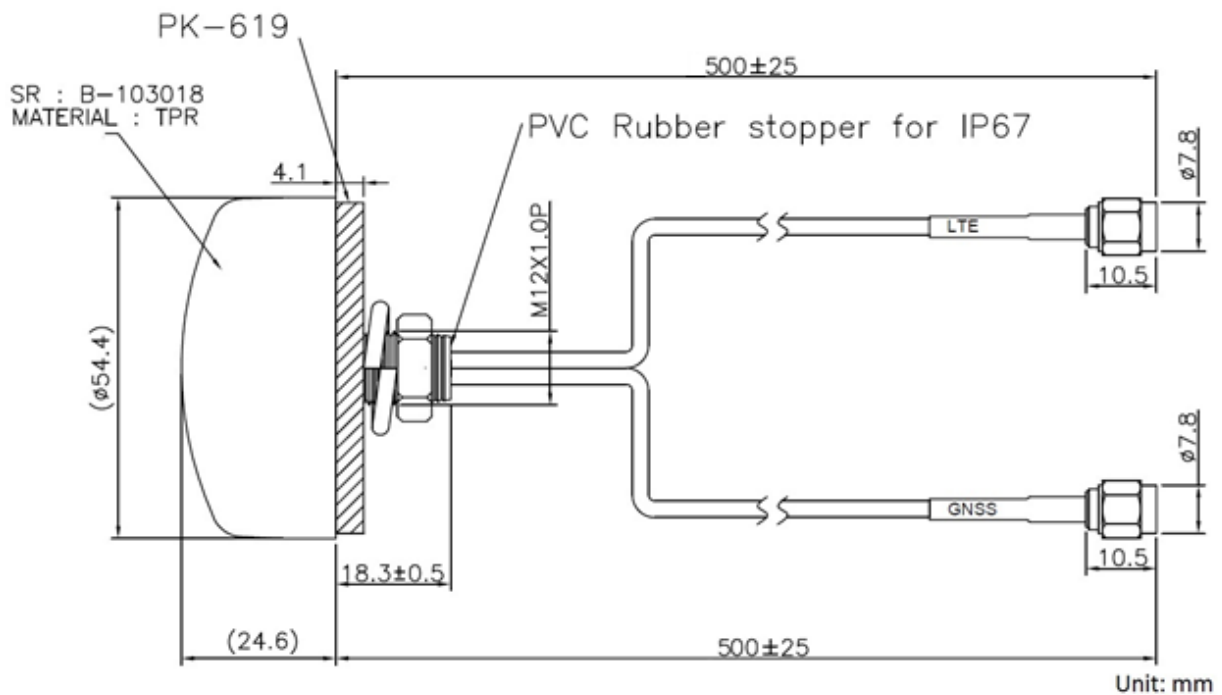


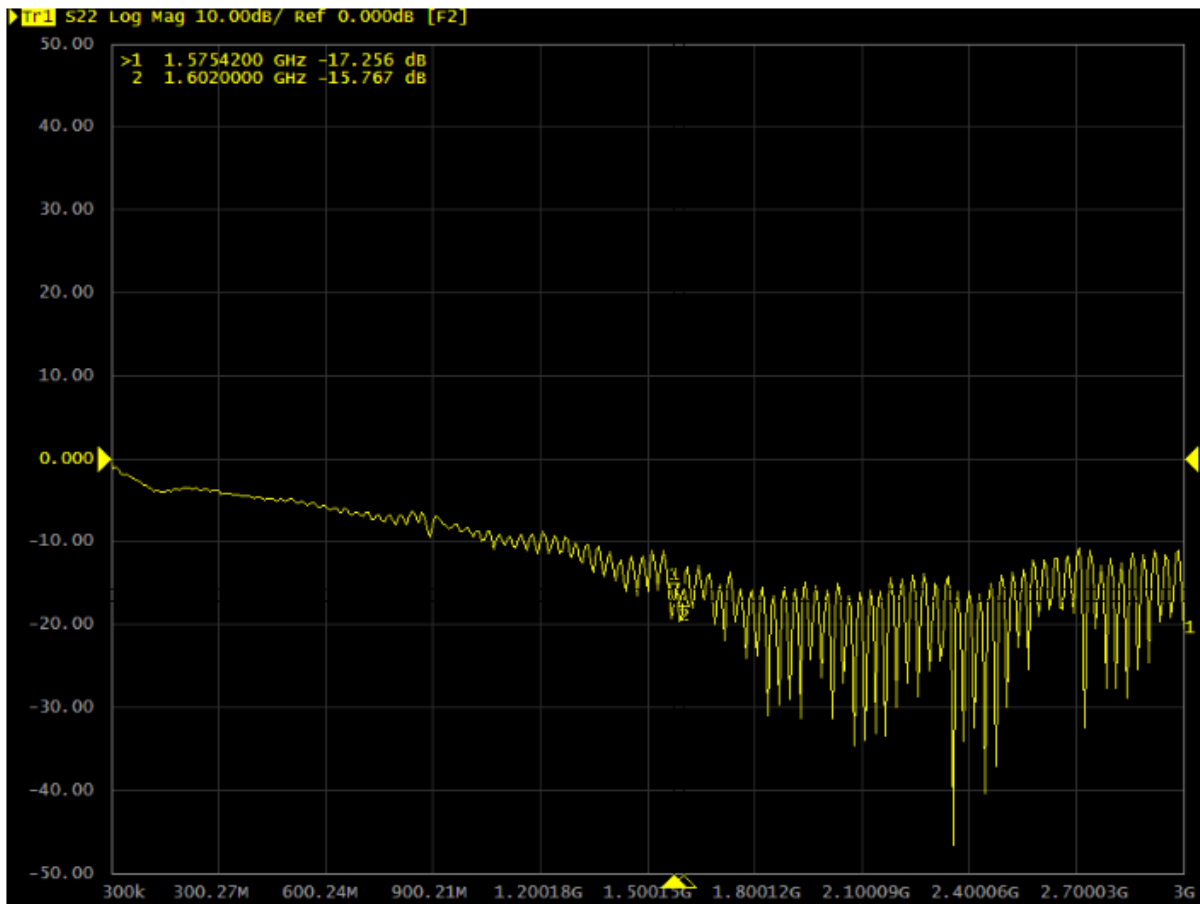
BENEFITS

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

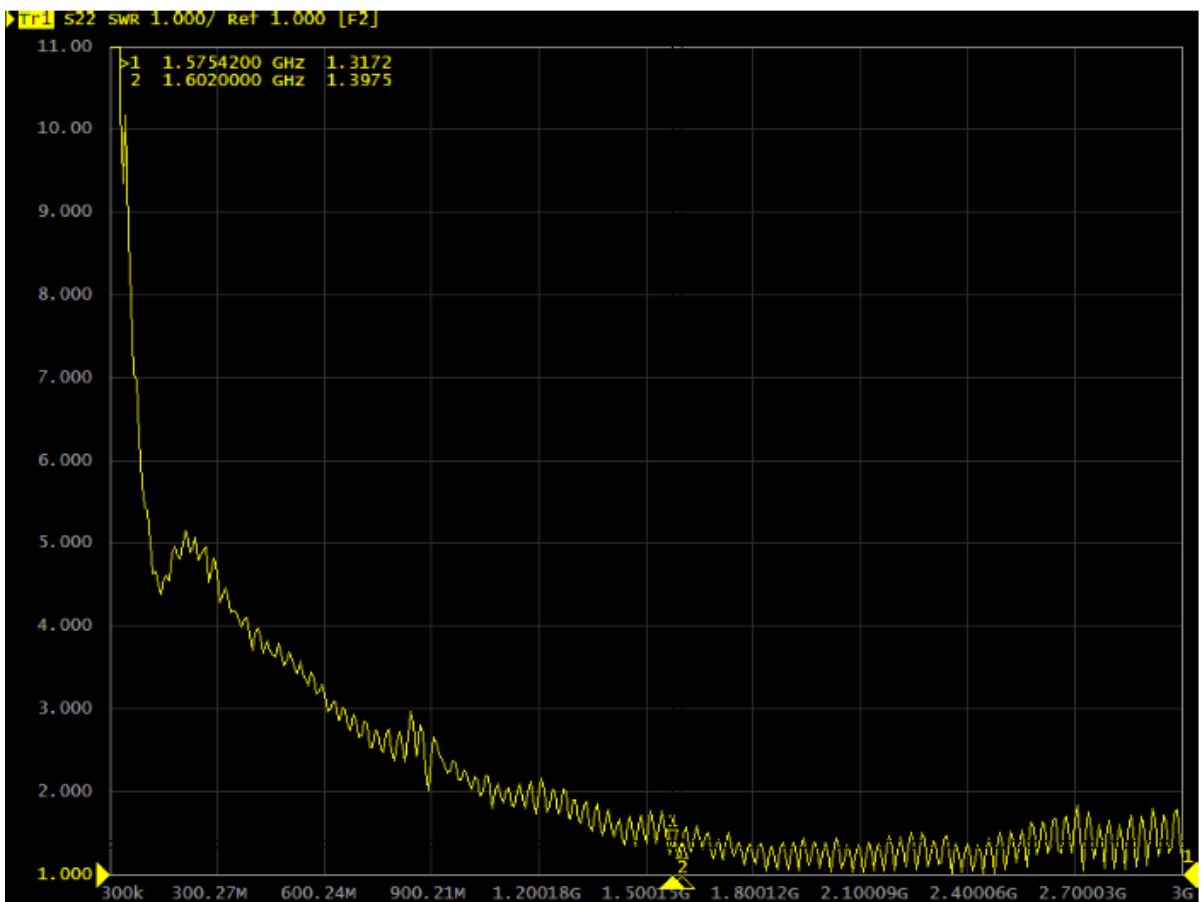
Technology	GSM/UMTS/LTE/GPS/GLONASS
Frequency bands	800/900/1700/1800/2100/2400/2600/1575.42/1602 MHz
Bandwidth	-
LTE/GNSS Gain	7/2 dBi
LNA Gain	30 dB
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	See attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	3 V (GNSS)
Dimensions	Ø 54.4 x 28.7 mm
Weight	107.54 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Screw Mount
Cable type	2 x RG174/U
The cable length	2 x 0.5 m
Connector type	2 x SMA (m)
Certification	RoHS, ISO 9001/ISO 14001
IP code	IP67

DRAWING

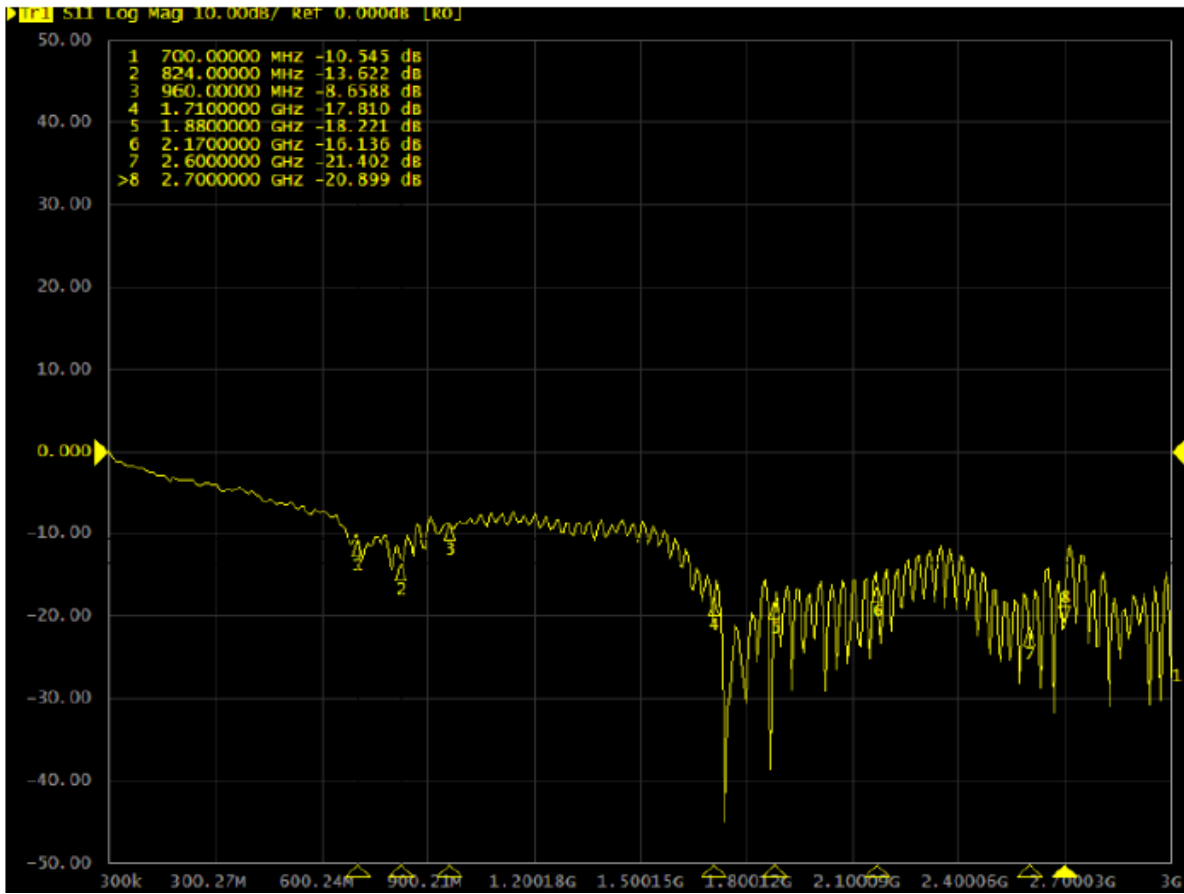


Graph S_{11} – Return Loss [dB]

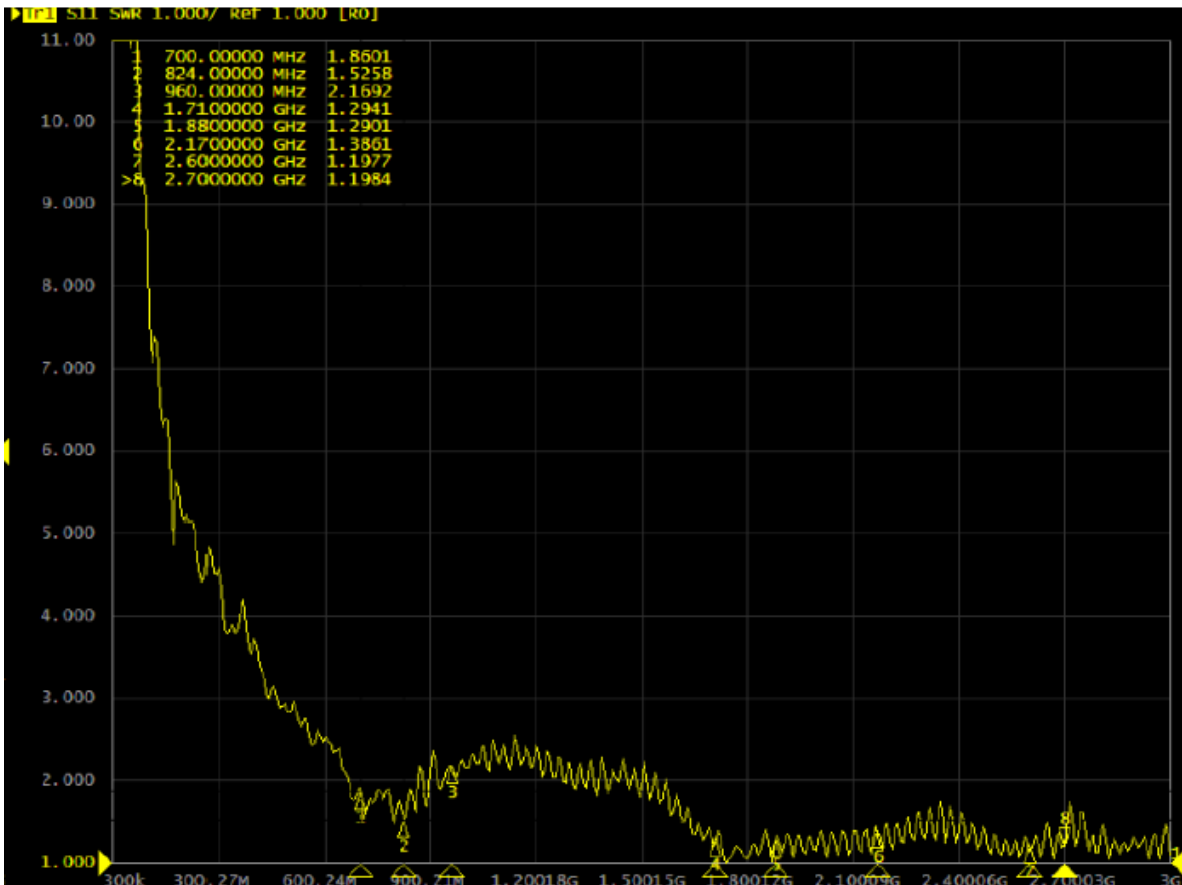
Graph VSWR – Standing wave ratio [-]



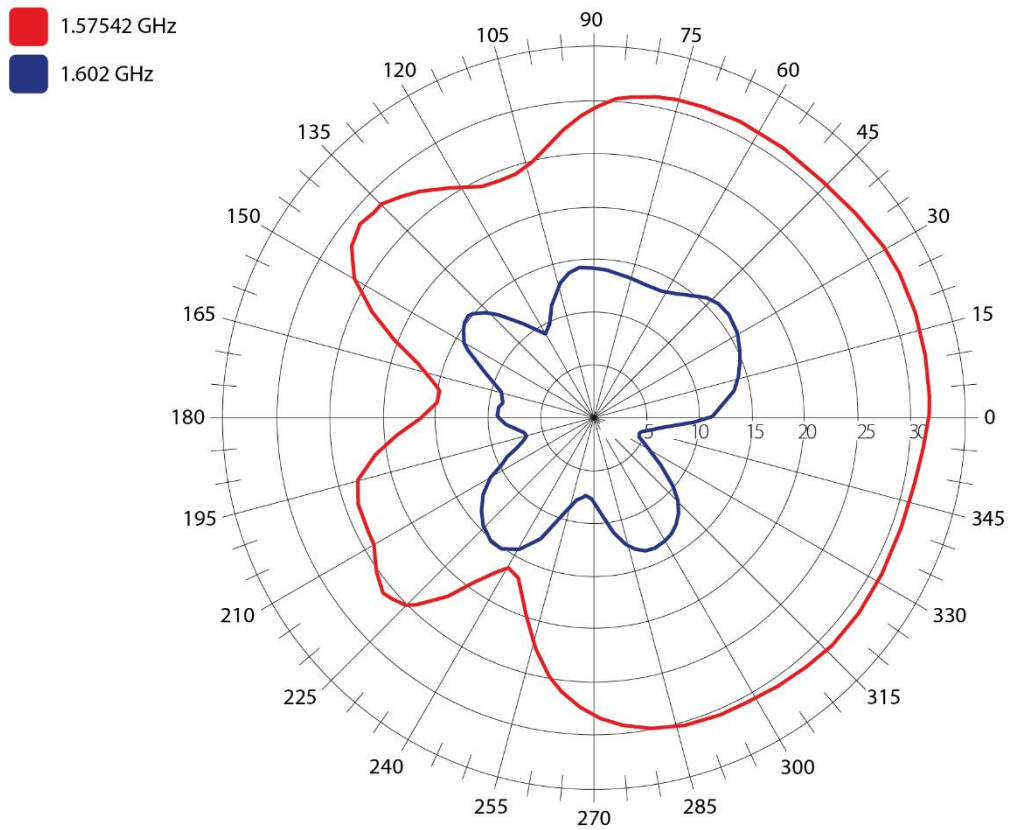
Graph S₁₁ – Return Loss [dB]



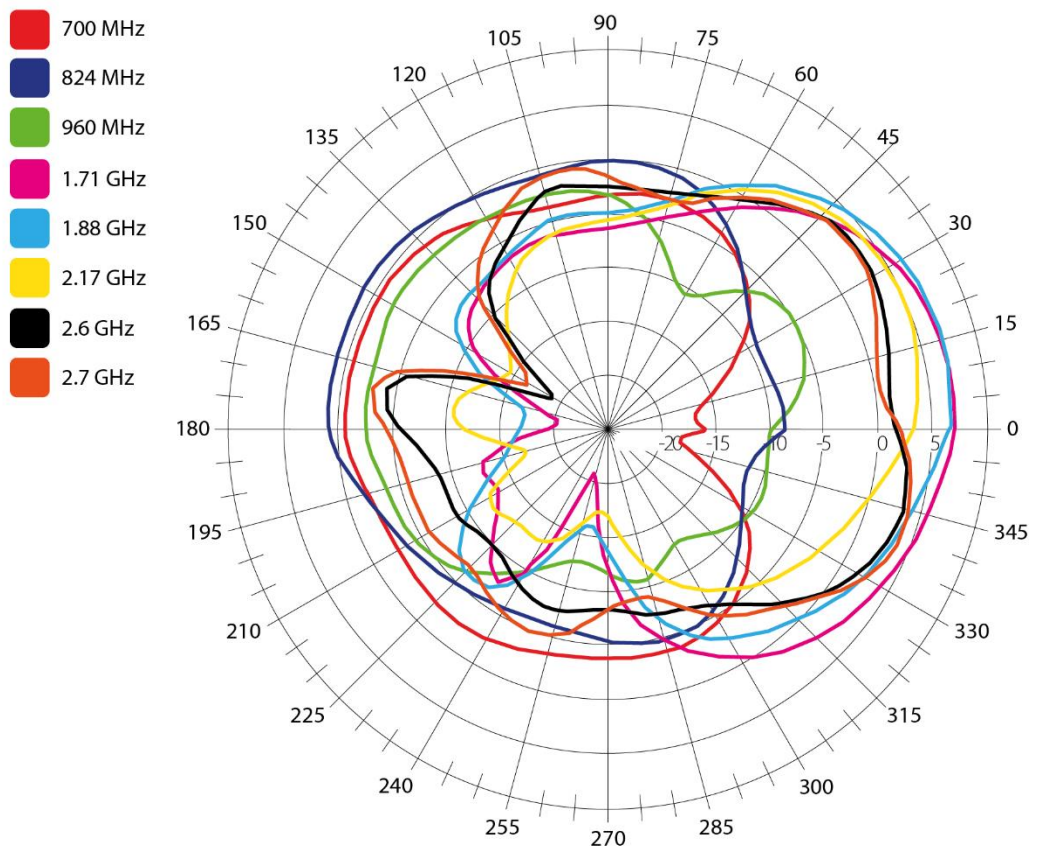
Graph VSWR – Standing wave ratio [-]



3D Radiation pattern - GNSS



3D Radiation pattern - LTE



GNSS

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

LTE

Frequency [MHz]	Return loss [dB]	VSWR [-]	Efficiency [%]	Gain [dBi]
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

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

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