



## GSM/GPS ANTENNA

Antenna GSM/GPS Adhesive R30,  
FME(f)/SMA(m), 2x RG174/5m

AO-AKOM-30FS

SECTRON company offers a wide portfolio of GSM/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
- Optimized radiation pattern

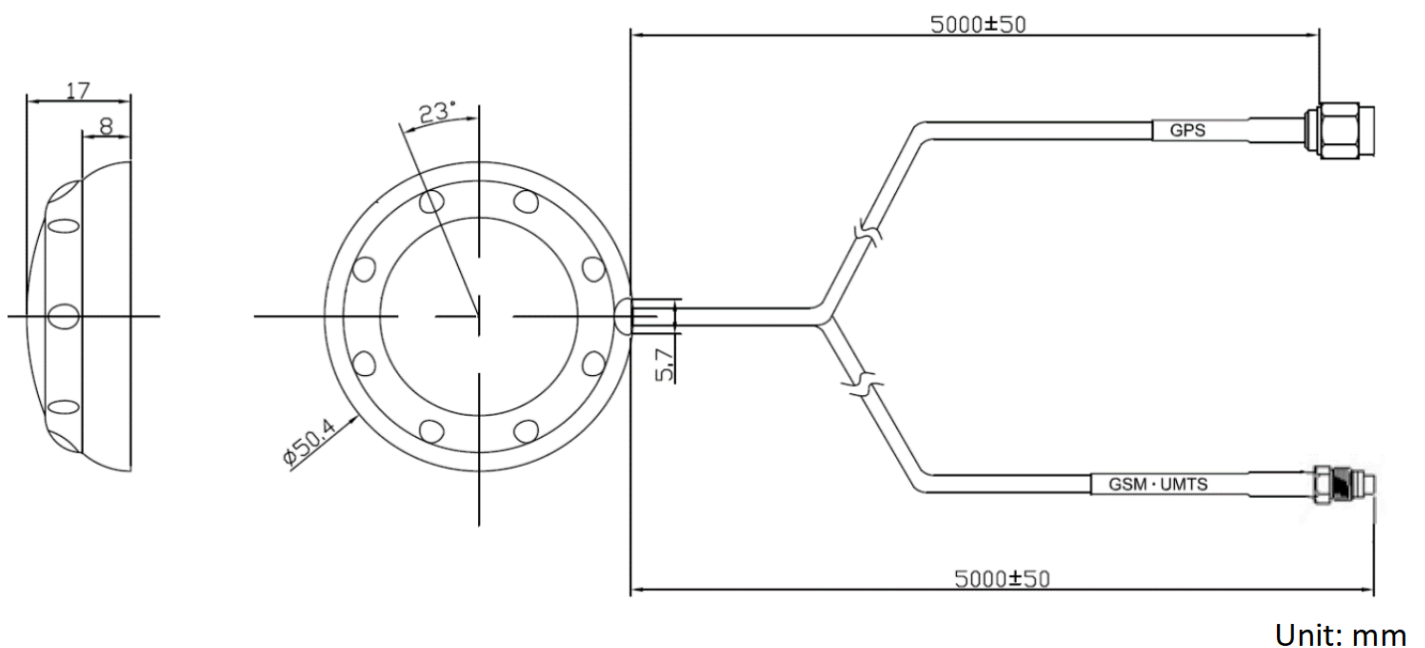


## FEATURES

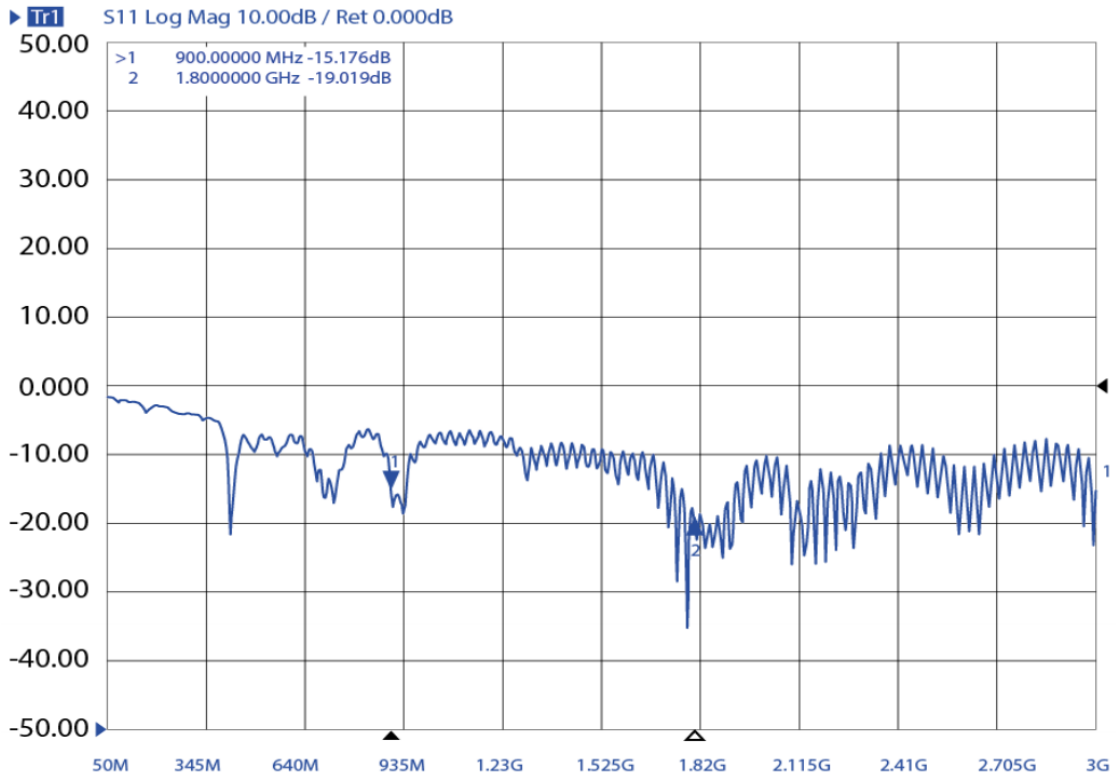
AO-AKOM-30FS

Technology	GSM/GPS
Frequency bands	900/1800/1575.42 MHz
Bandwidth	-
Gain	6/2 dBi
LNA Gain	28 dB
VSWR	<1.4:1/<1.09:1
Impedance	50 Ohm
Directivity	Omnidirectional/Directional
Beam angle	Attached graphs bellow
Polarization	Linear/R.H.C.P.
Maximum input power	10 W
Power voltage	2.7~5.5 V
Dimensions	∅ 50.4 x 17.0 mm
Weight	134.07 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Adhesive
Cable type	2 x RG174/U
The cable length	2 x 5 m
Connector type	FME(f)/SMA(m)
Certification	RoHS

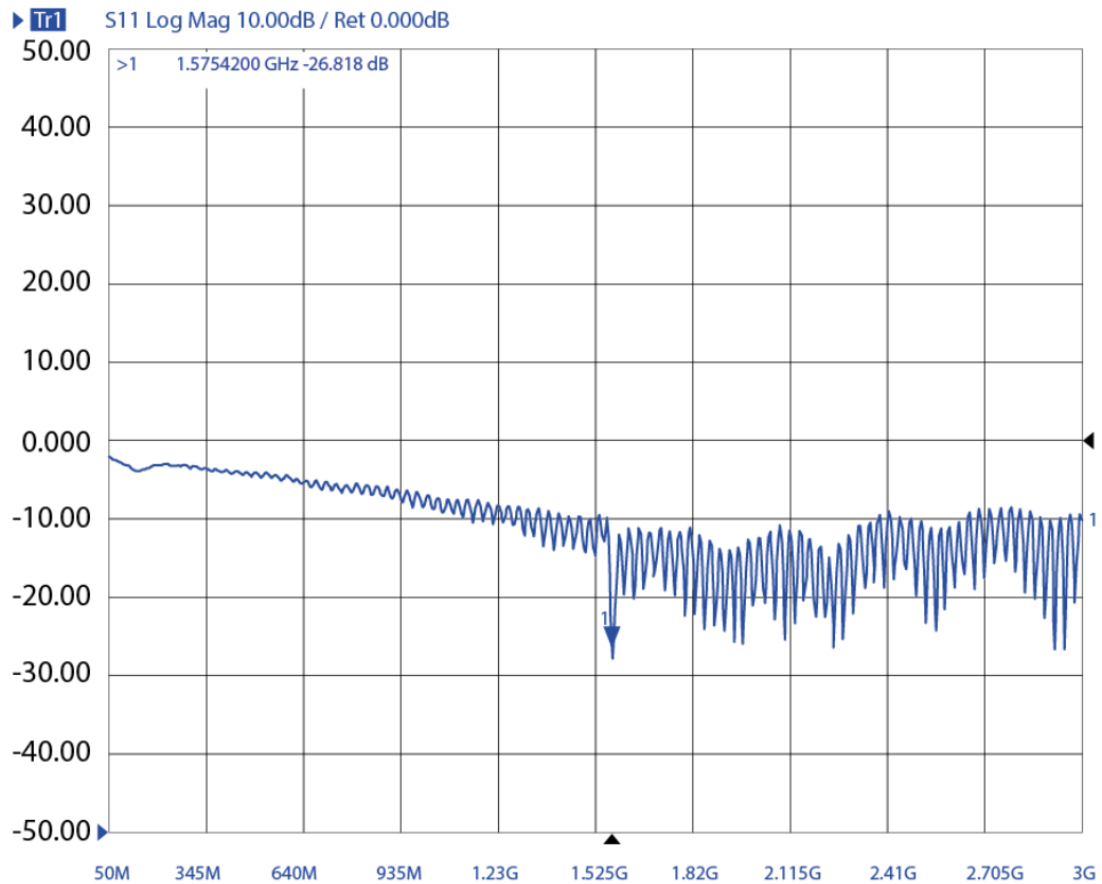
## DRAWING



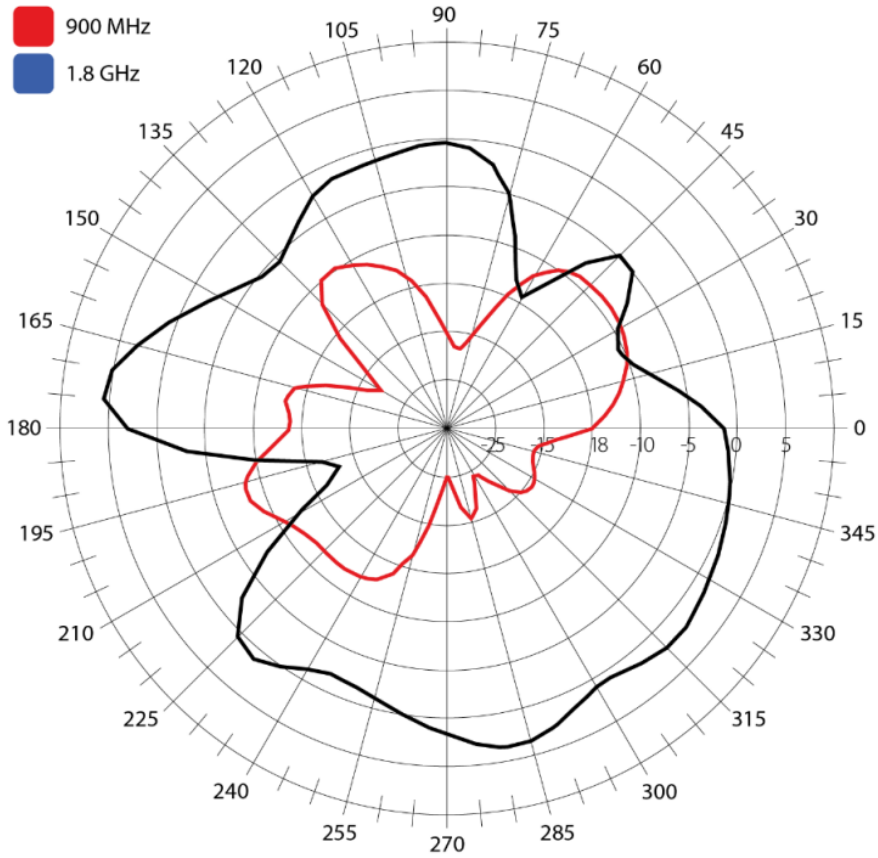
$S_{11}$  - Return Loss [dB] - GSM



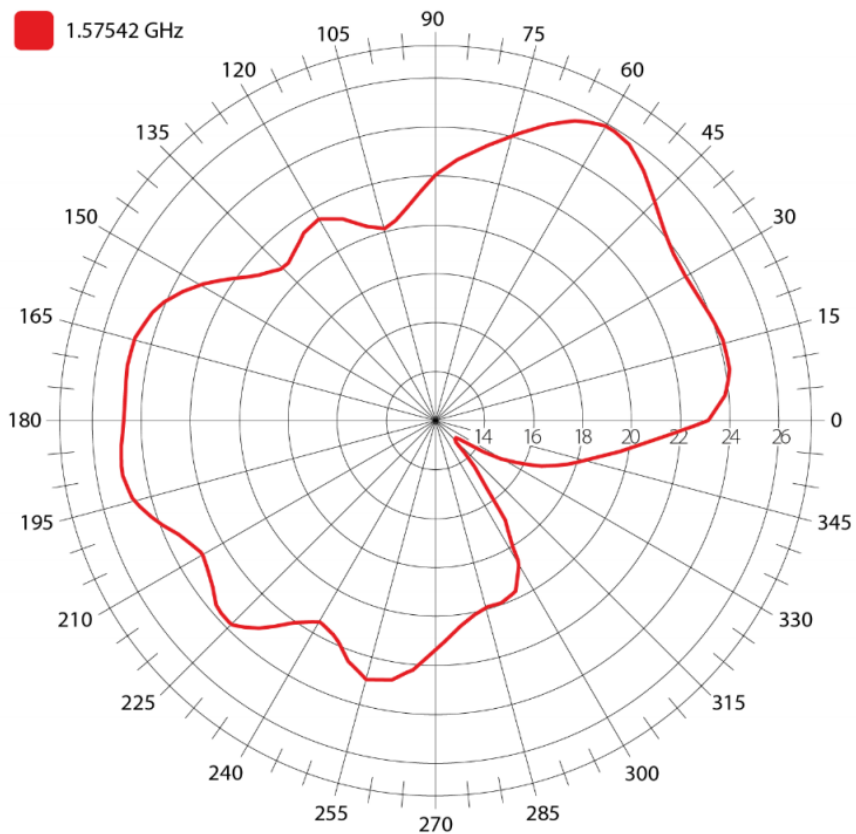
$S_{11}$  - Return Loss [dB] - GPS



**RADIATION PATTERN - GSM**



**RADIATION PATTERN - GPS**



Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Gain [dBi]	LNA Gain [dB]
900	-15.18	1.42	-7	-
1800	-19.02	1.25	6	-
1575.42	-26.82	1.09	2	28

**VARIANTS**

Different connector variants or cable lengths are available on request.

**CONTACTS**

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