



# GSM/UMTS ANTENNA

Antenna GSM/UMTS Magnetic 90,Quad-band, 9 dBi, SMA(m), RG58/5m

AO-AGSM-MG9S5

SECTRON company offers a wide portfolio of GSM/UMTS 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
- Gain

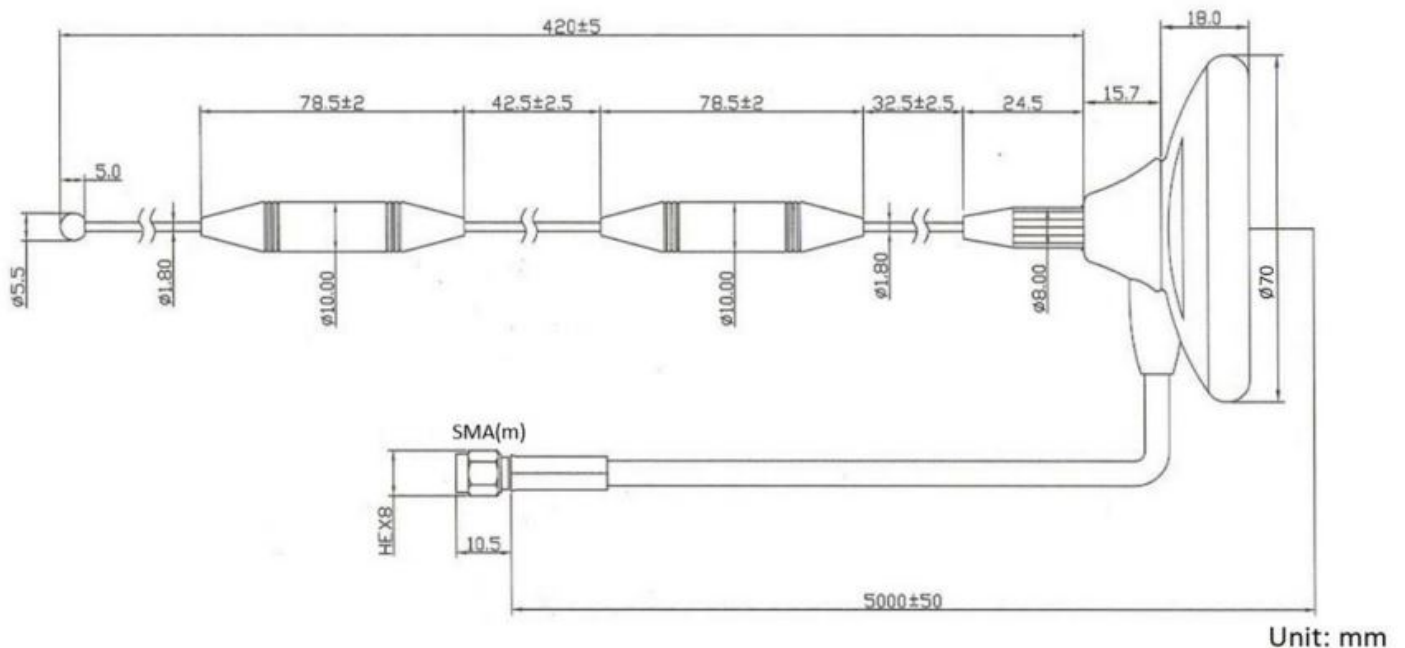


## FEATURES

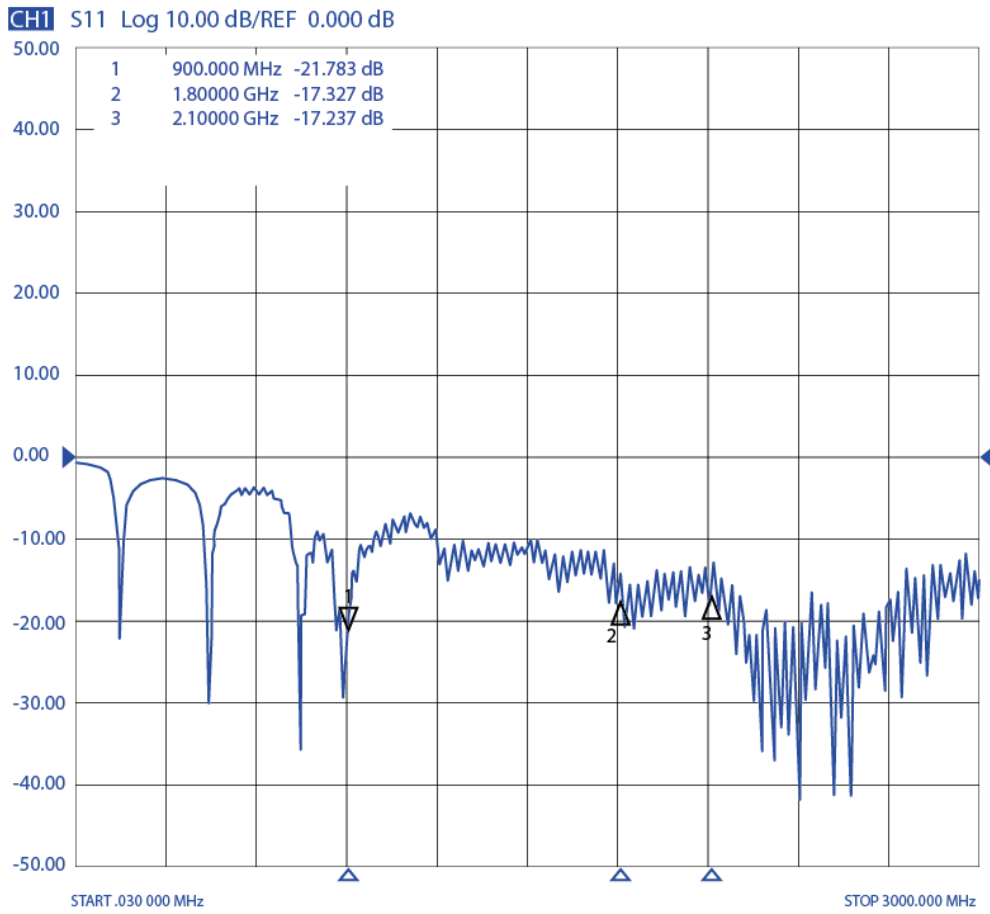
AO-AGSM-MG9S5

Technology	GSM/UMTS
Frequency bands	900/1800/2100 MHz
Bandwidth	-
Gain	9 dBi
VSWR	<1.33:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	-
Dimensions	∅ 70.0 x 453.7 mm
Weight	339.42 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnetic Mount
Cable type	RG58/U
The cable length	5 m
Connector type	SMA (m)
Certification	RoHS, ISO9001, ISO14001

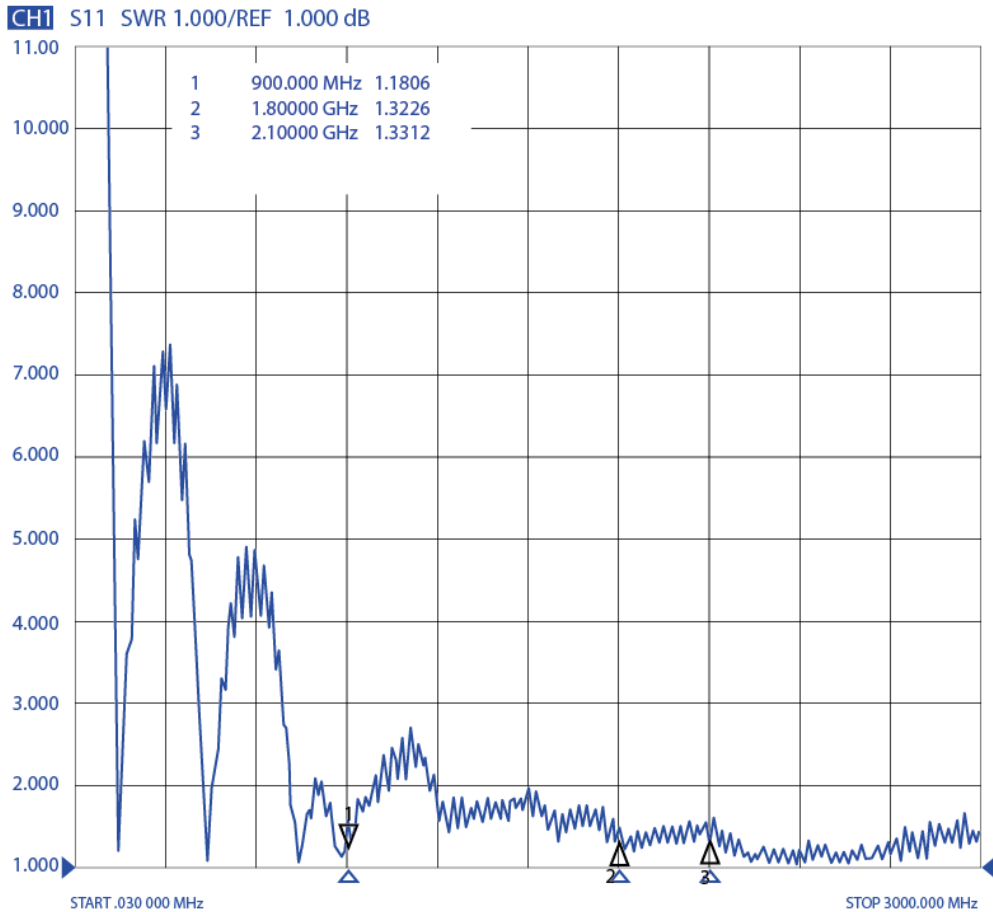
## DRAWING

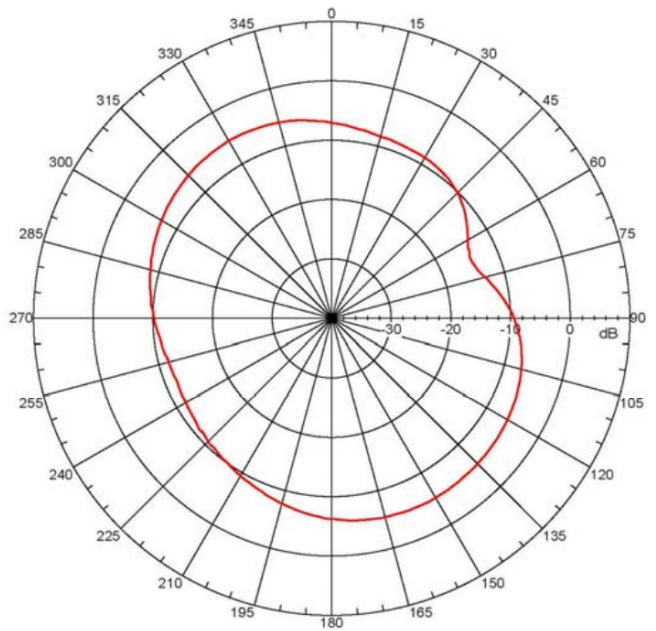
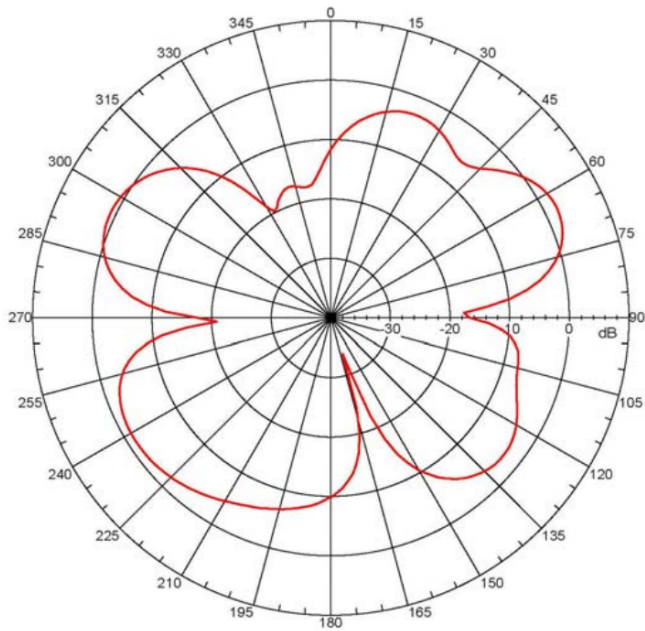
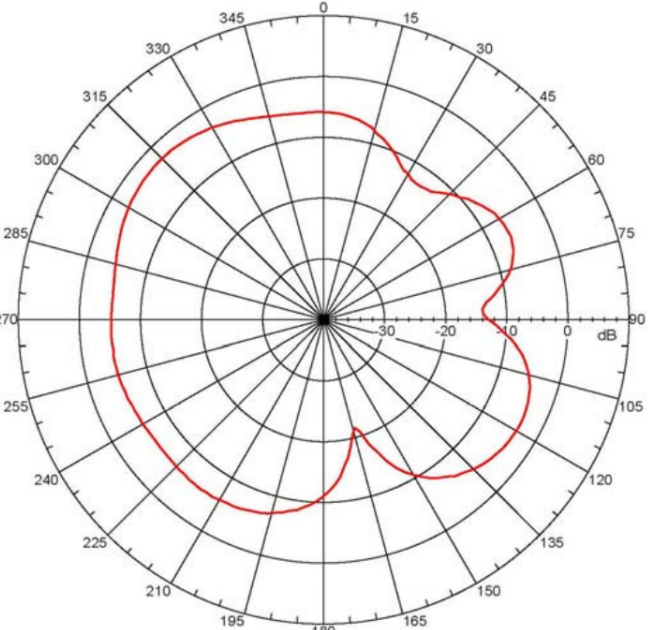
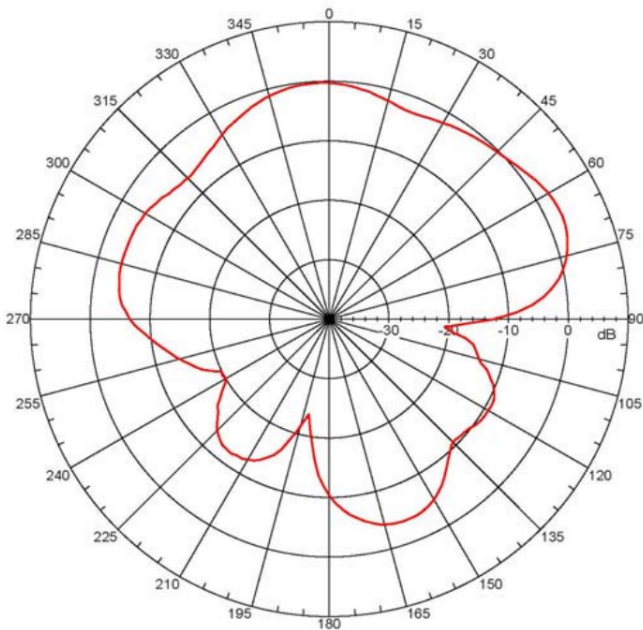


$S_{11}$  - Return Loss [dB]

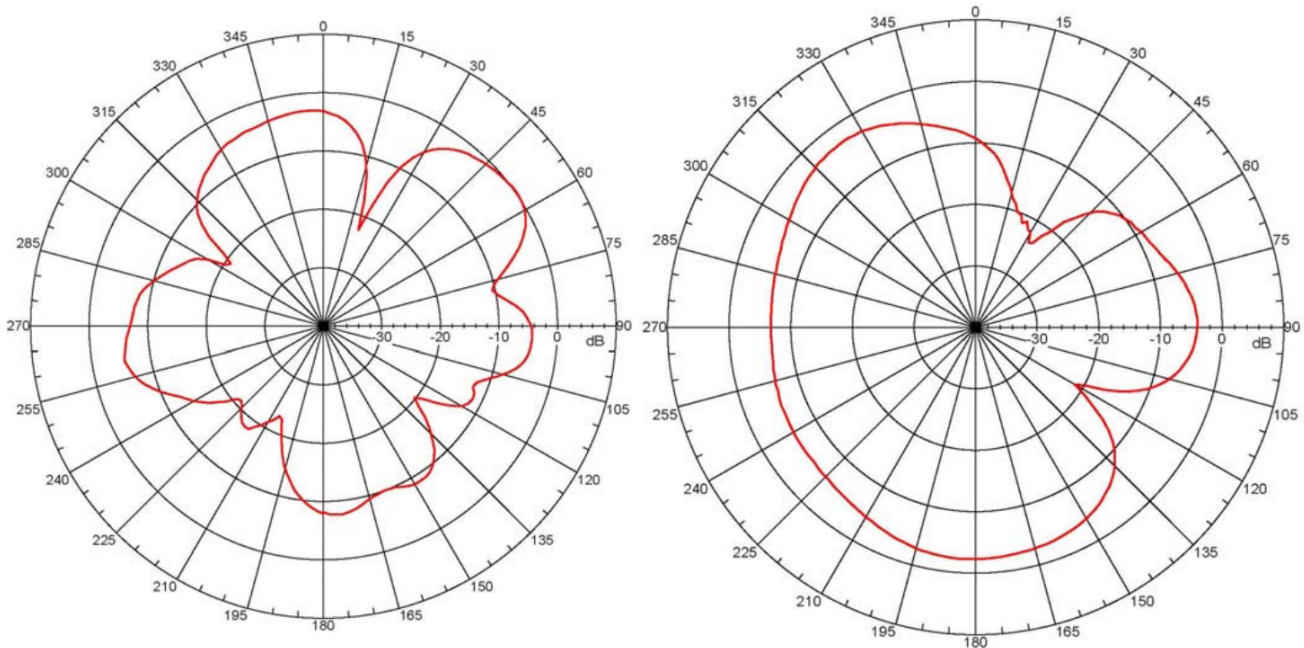


VSWR - Voltage standing wave ratio [-]



**RADIATION PATTERN - E-plane/H-plane (900 MHz)****RADIATION PATTERN - E-plane/H-plane (1800 MHz)**

## RADIATION PATTERN - E-plane/H-plane (2100 MHz)



## SUMMARY

Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Gain [dBi]
900	-21.78	1.18	2
1800	-17.33	1.32	4
2100	-17.24	1.33	0

## VARIANTS

Different connector variants or cable lengths are available on request.

## CONTACTS

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