



## GSM/UMTS ANTENNA

### Antenna GSM/UMTS

Magnetic 90, Quad-band,  
9 dBi, SMA(m), RG58/3.5m

#### AO-AGSM-MG9S

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
- High Gain
- Easy installation

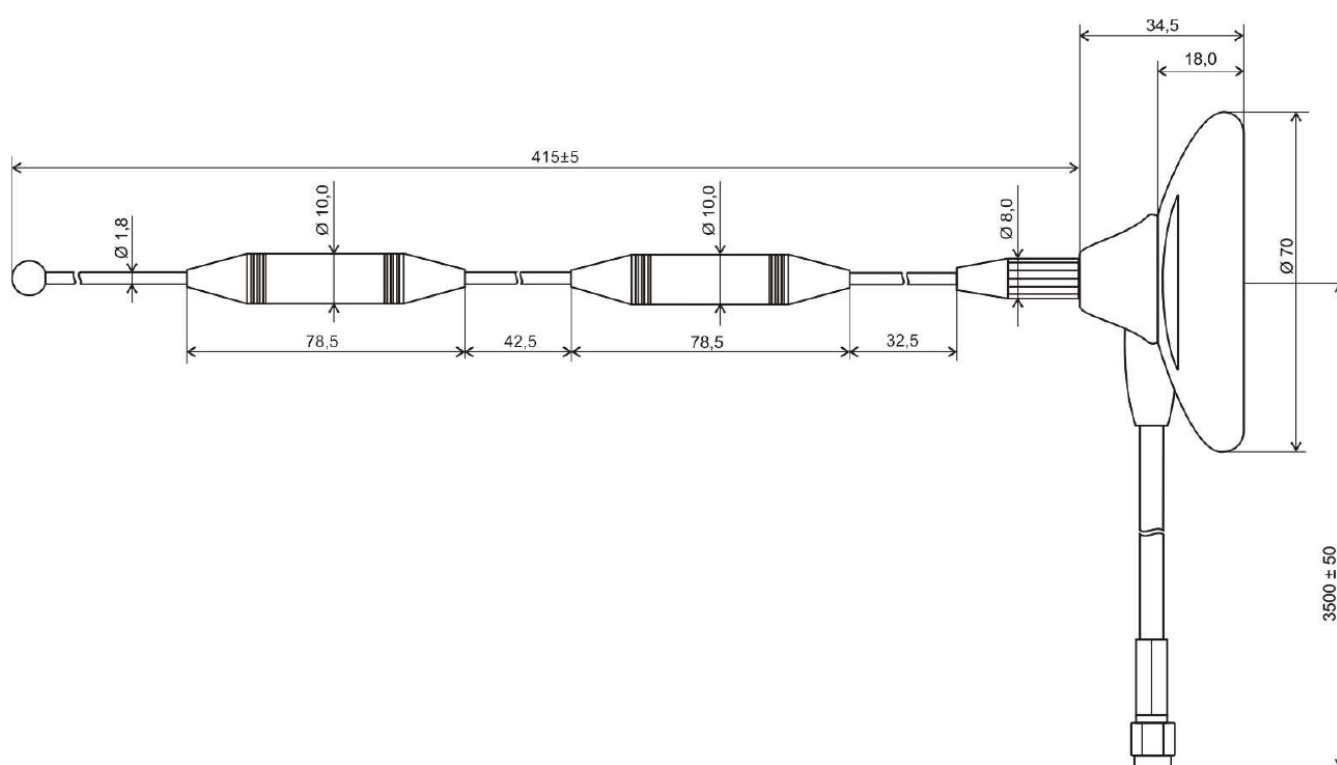


## FEATURES

AO-AGSM-MG9S

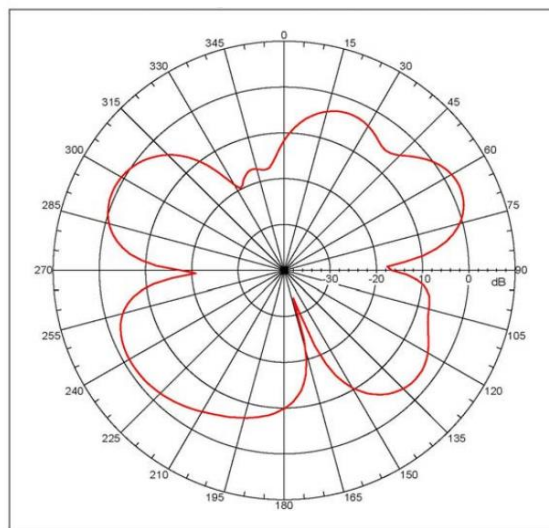
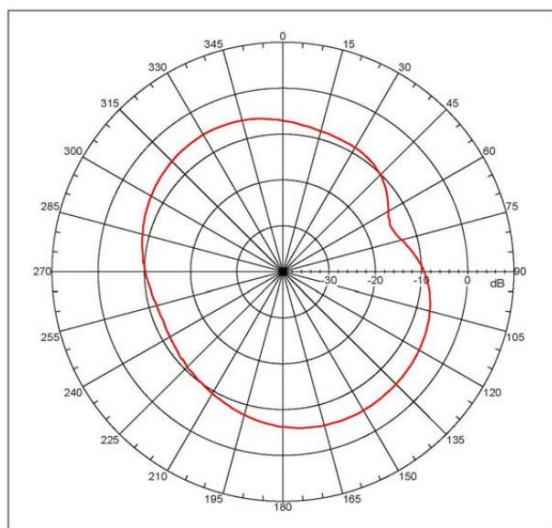
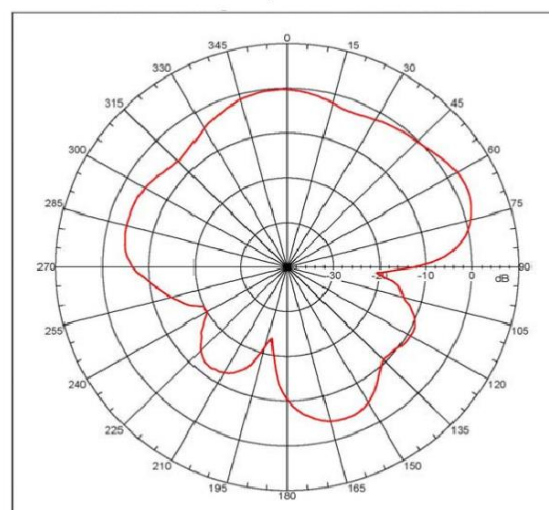
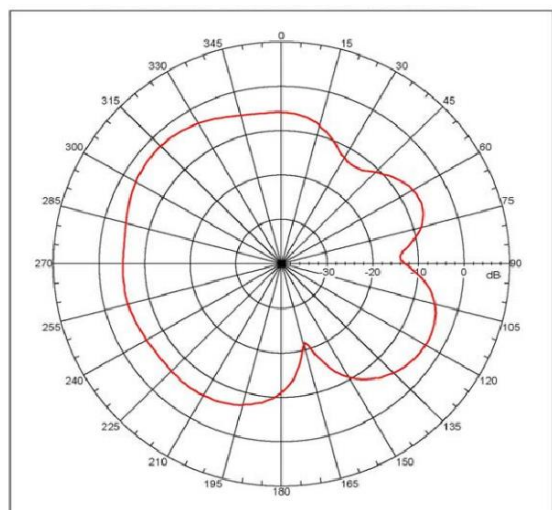
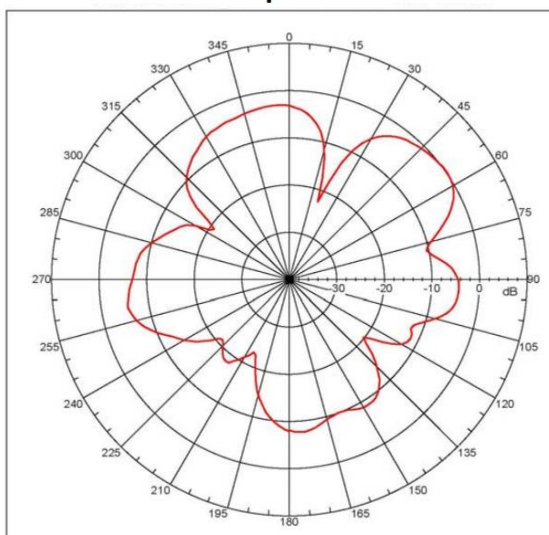
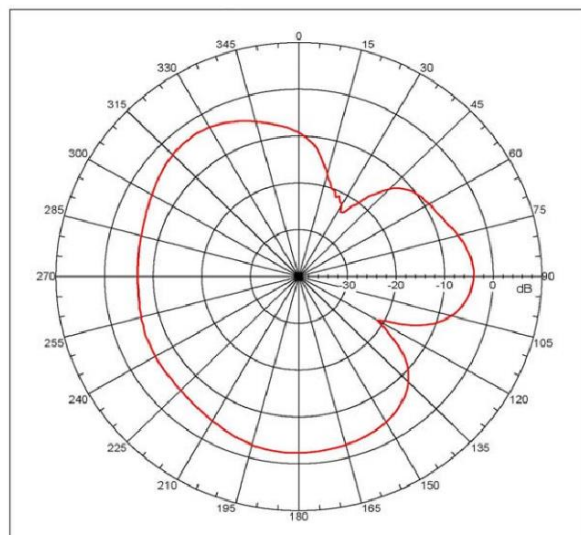
Technology	GSM/UMTS
Frequency bands	900/1800/2100 MHz
Bandwidth	-
Gain	9 dBi
VSWR	<1.8:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H-360°,V-30°
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	449.5 x Ø 70 mm
Weight	300 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnetic
Cable type	RG58/U
The cable length	3.5 m
Connector type	SMA(m)

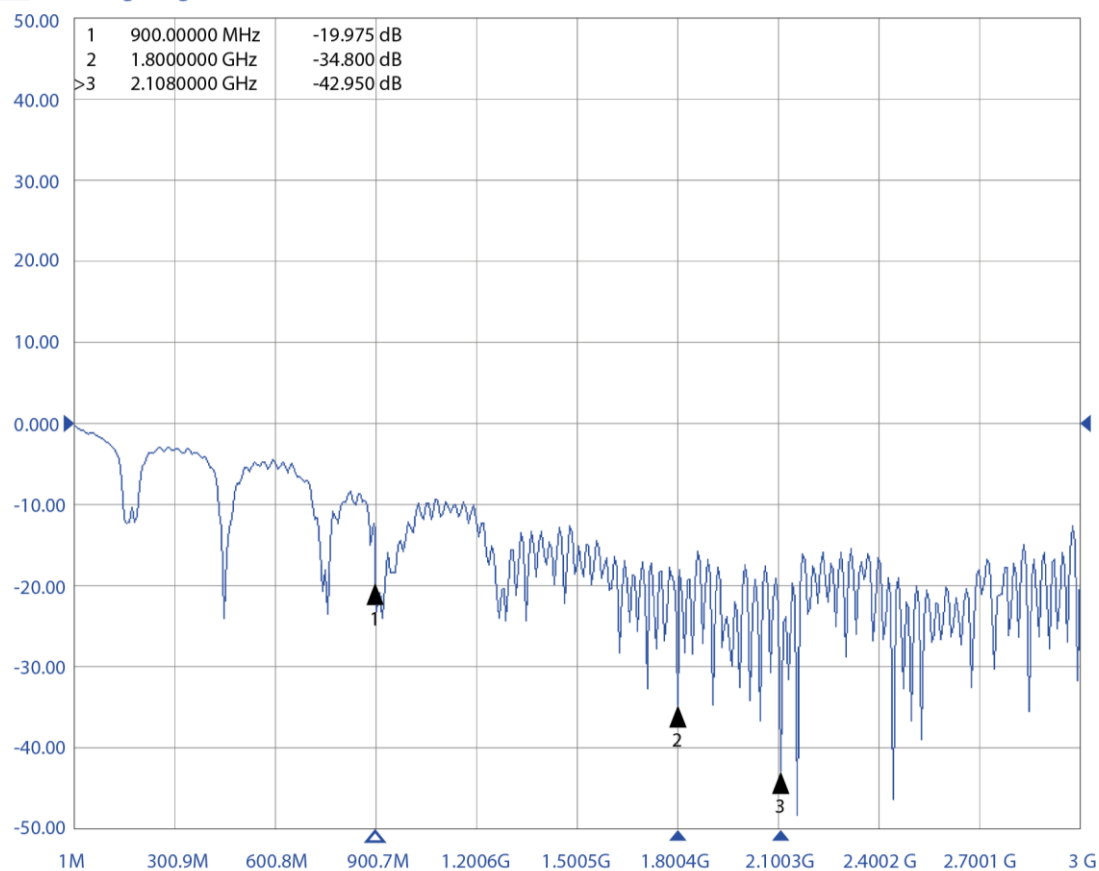
## DRAWING



UNIT: mm

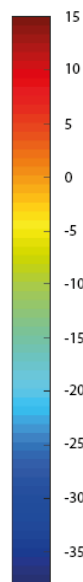
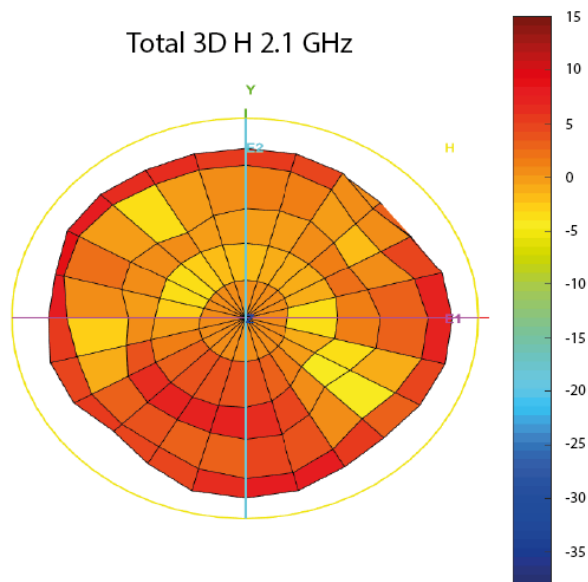
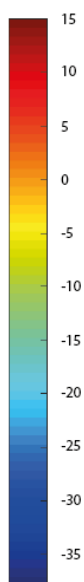
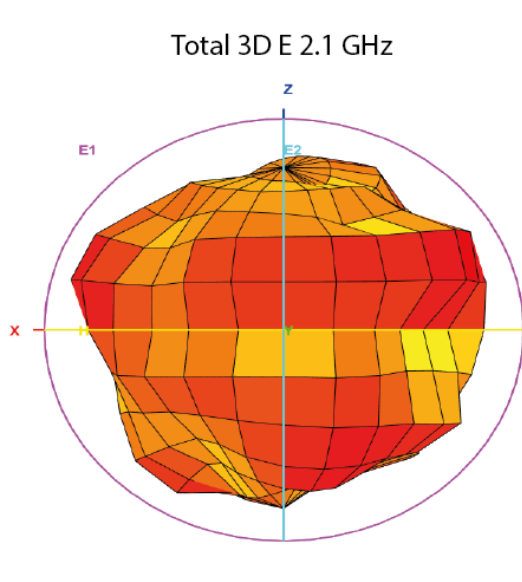
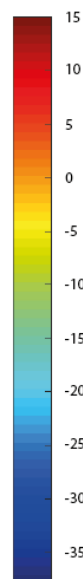
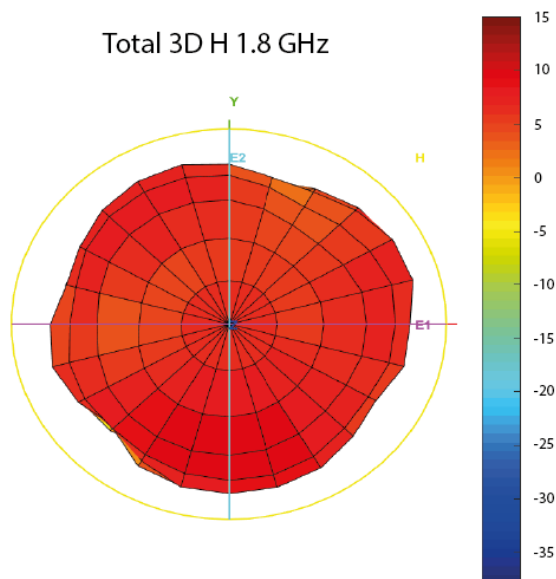
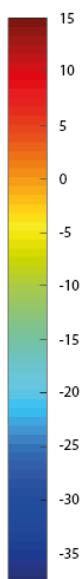
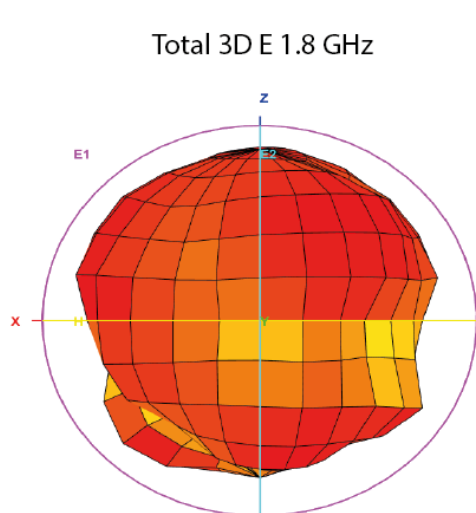
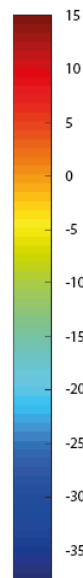
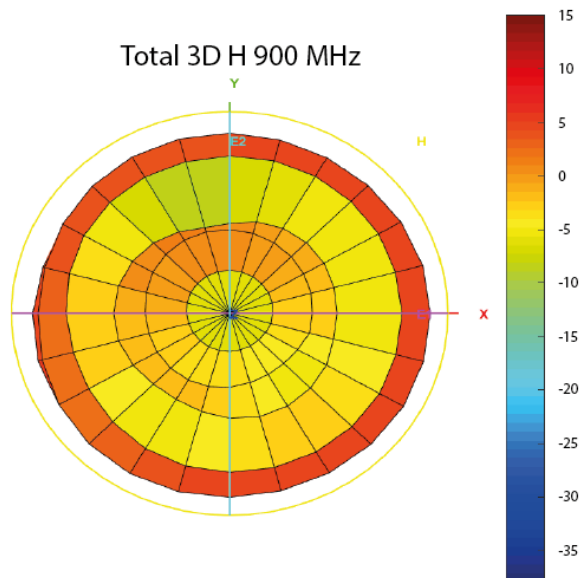
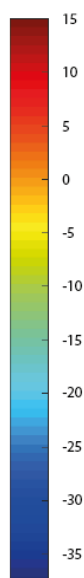
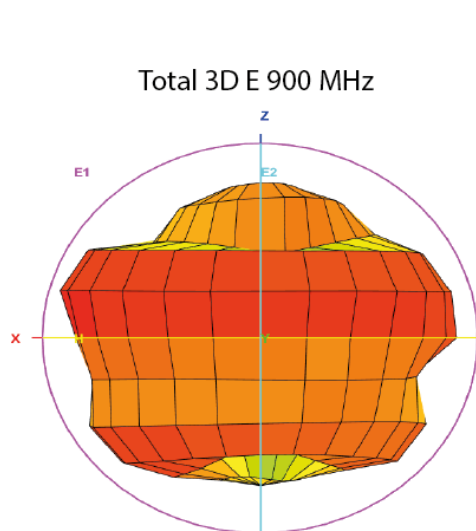
## Radiation Pattern – Simulated

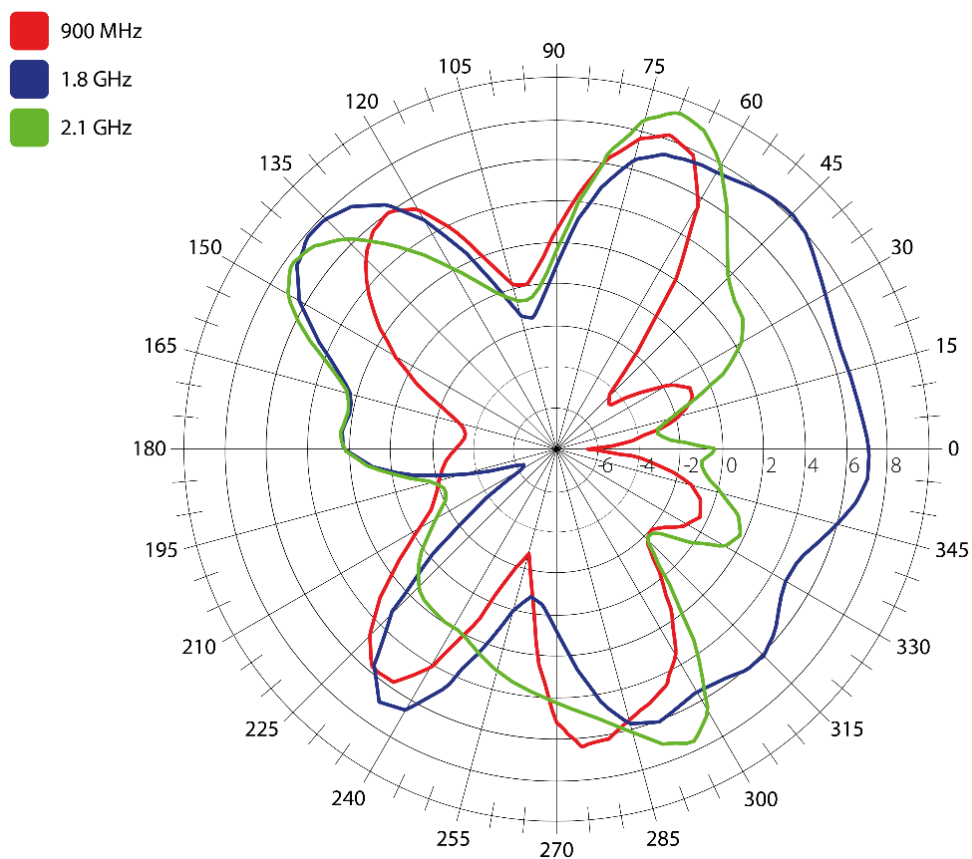
**H-plane****900 MHz****E-plane****H-plane****1 800 MHz****E-plane****H-plane****2 100 MHz****E-plane**

**S11 - Return Loss [dB] – measured****Tr1** S11 Log Mag 10.00dB/REF 0.000dB [RO]

Frequency [MHz]	Return Loss [dB]	VSWR	Max. Gain [dBi]
900	-19.98	1.222: 1	8.1
1800	-34.8	1.037: 1	8
2100	-42.95	1.014: 1	9

## Radiation pattern - measured





## ALL VARIANTS

Different connector variants or cable lengths are available on request.

## CONTACTS

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