



# GSM/UMTS ANTENNA

Antenna GSM/UMTS  
Connector Mount TG09,  
90°/180°, 2 dBi, SMA (m)

AO-AGSM-TG09

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
- No cable required

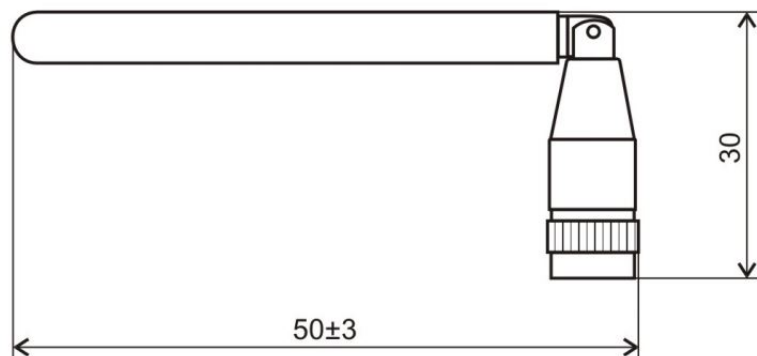
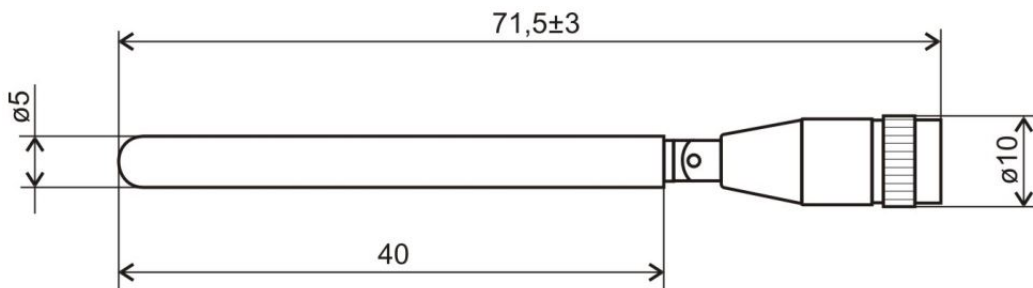


## FEATURES

AO-AGSM-TG09

Technology	GSM/UMTS
Frequency bands	900/1800/1900/2100 MHz
Bandwidth	-
Gain	2 dBi
VSWR	<2.0:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	-
Dimensions	90°: 50 x 30 x 10 / 180°: $\varnothing$ 10 x 71.5 mm
Weight	8.48 g
Operating temperature	-20 to +60 °C
Execution	External
Method of attachment	Connector Mount
Cable type	-
The cable length	-
Connector type	SMA (m)
Certification	RoHS, ISO9001, ISO14001

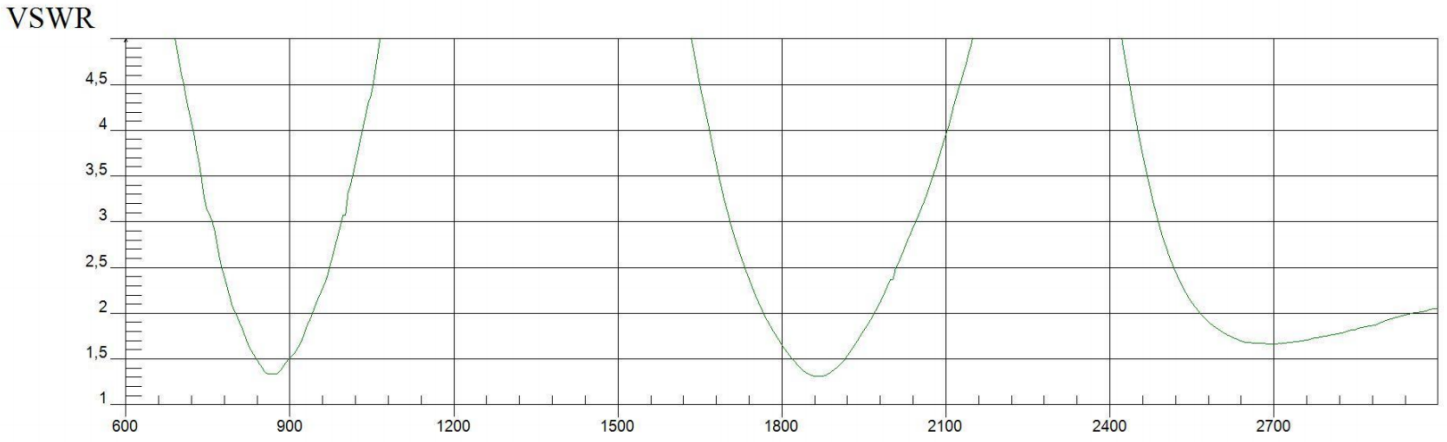
## DRAWING



UNIT: mm

### VSWR - Voltage standing wave ratio [-]

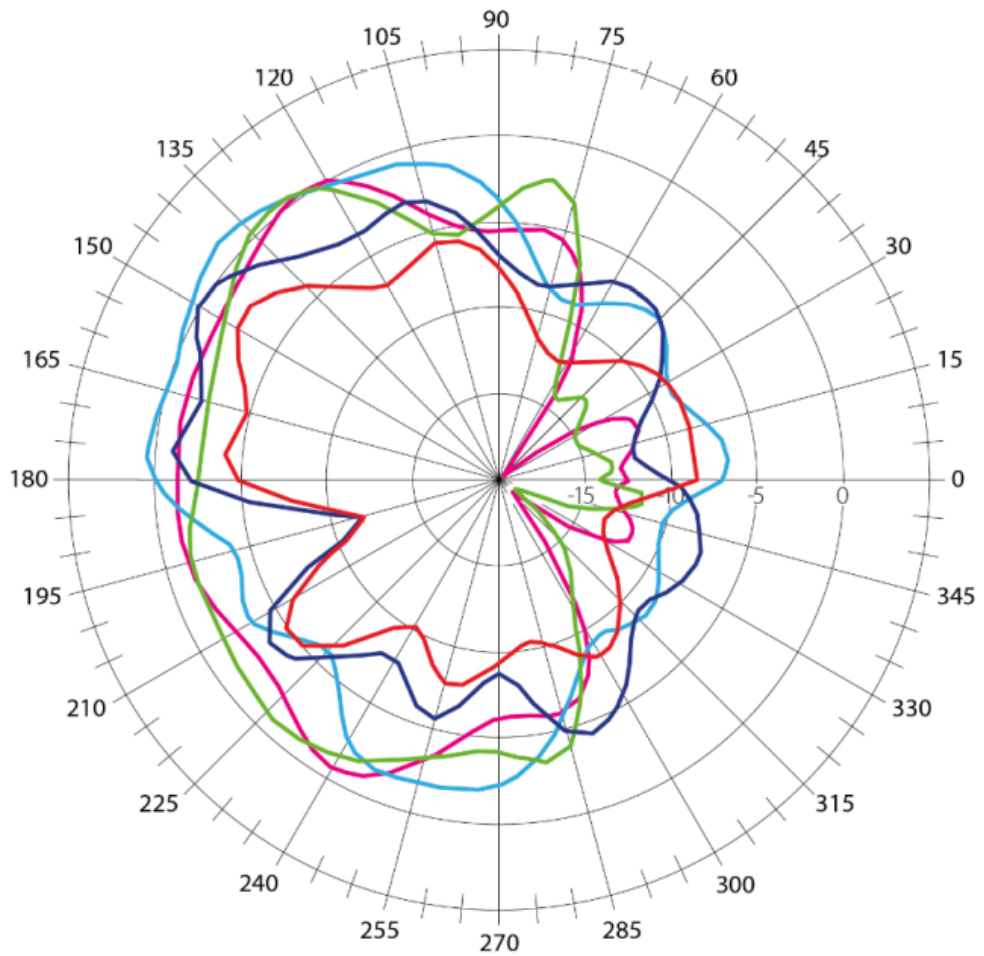
VSWR  
AO-AGSM-TG09



Frequency(600 - 3000 MHz)

### RADIATION PATTERN

- 800 MHz
- 900 MHz
- 1.8 GHz
- 1.9 GHz
- 2.1 GHz



Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Gain [dBi]	Efficiency [%]
800	-19.98	2.24	-2.41	16.98
900	-19.98	1.50	0.27	29.99
1800	-34.80	1.71	0.36	36.39
1900	-34.80	1.46	0.12	33.81
2100	-42.95	4.00	1.3	49.89

**VARIANTS**

Different connector variants or cable lengths are available on request.

**CONTACTS**

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