



# GSM/UMTS/LTE ANTENNA

Antenna GSM/UMTS/LTE Magnet  
Mount 90  
SMA(m) Cable Straight, Cable .195/10m

AO-ALTE-MG9S10

SECTRON company offers a wide portfolio of GSM/UMTS/LTE 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

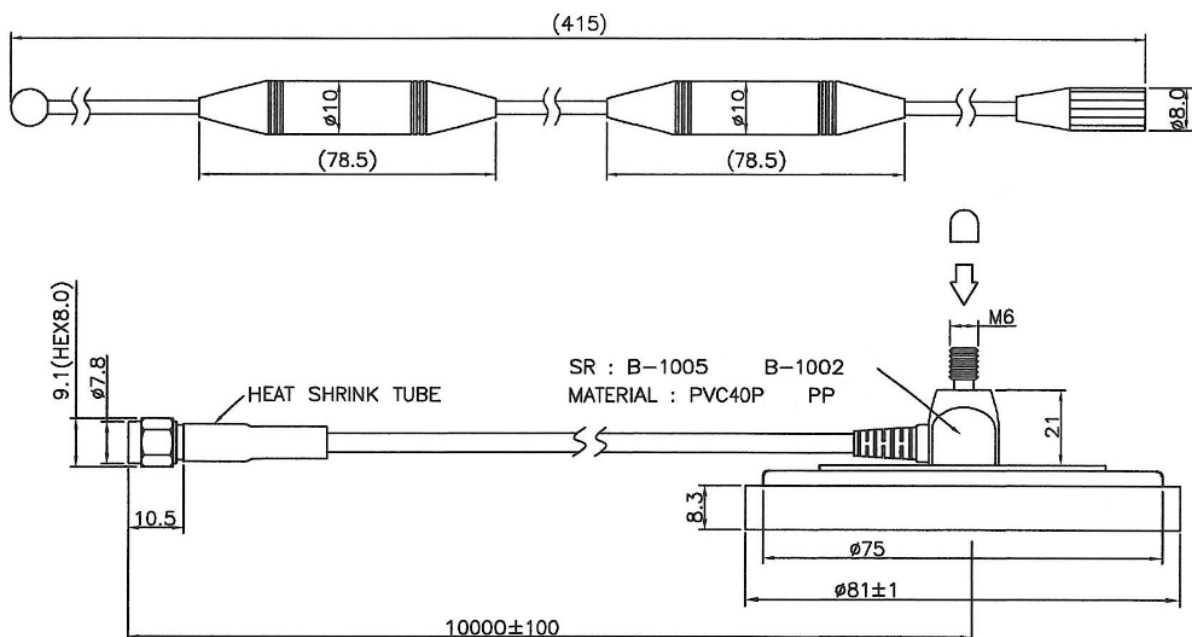


## FEATURES

AO-ALTE-MG9S10

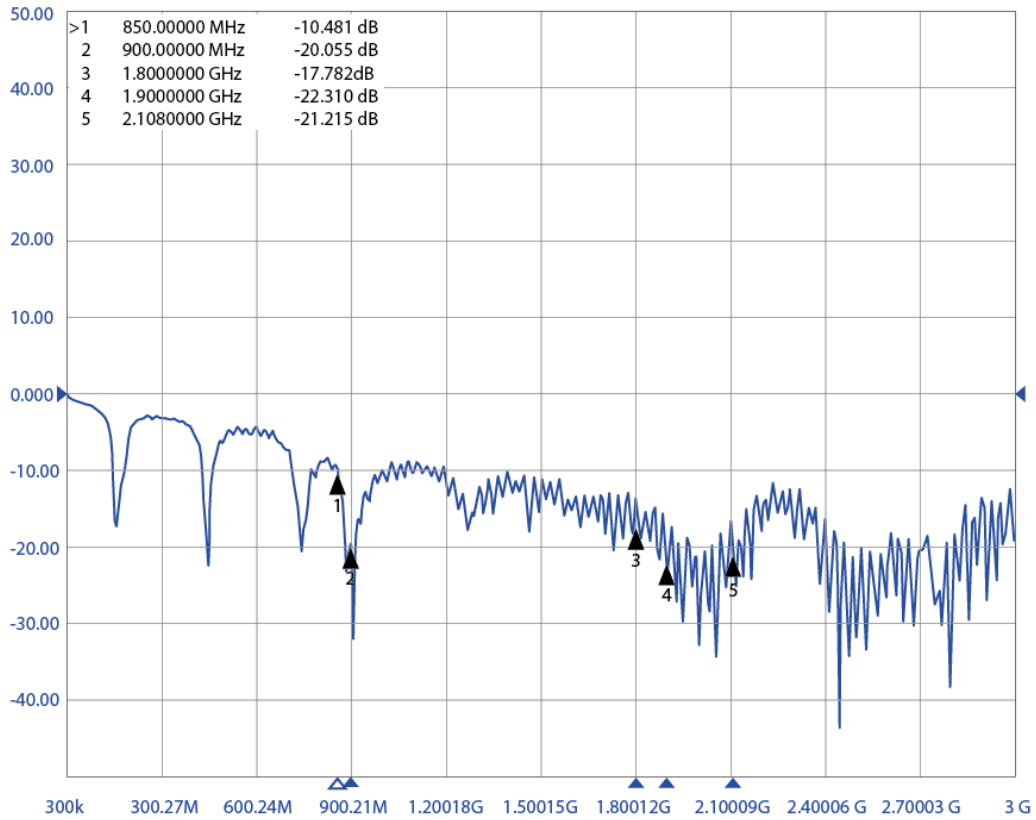
Technology	GSM/UMTS/LTE
Frequency bands	700/800/900/1700/1800/1900/2100/2600 MHz
Bandwidth	-
Gain	9 dBi
VSWR	<1.9:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Vertical
Maximum input power	10 W
Power voltage	2.2-5 VDC
Dimensions	Ø 81 x 444.3 mm
Weight	245.56 g
Operating temperature	-40 to +85 °C
Execution	External
Method of attachment	Magnetic mount
Cable type	.195 Coax cable
The cable length	10 m
Connector type	SMA(m)
Certification	ISO 9001, ISO 14001, RoHS
IP code	-
Material	PVC

## DRAWING



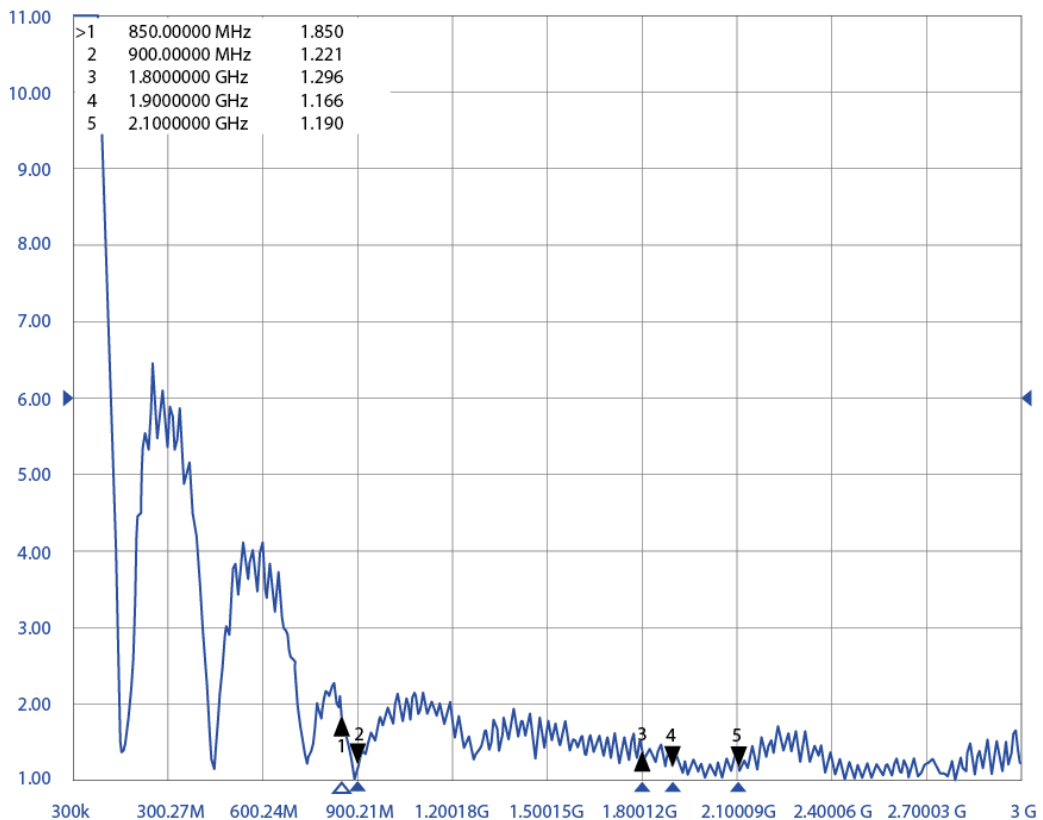
$S_{11}$  - Return Loss [dB]

Tr1 S11 Log Mag 10.00dB/REF 0.000dB [F1]

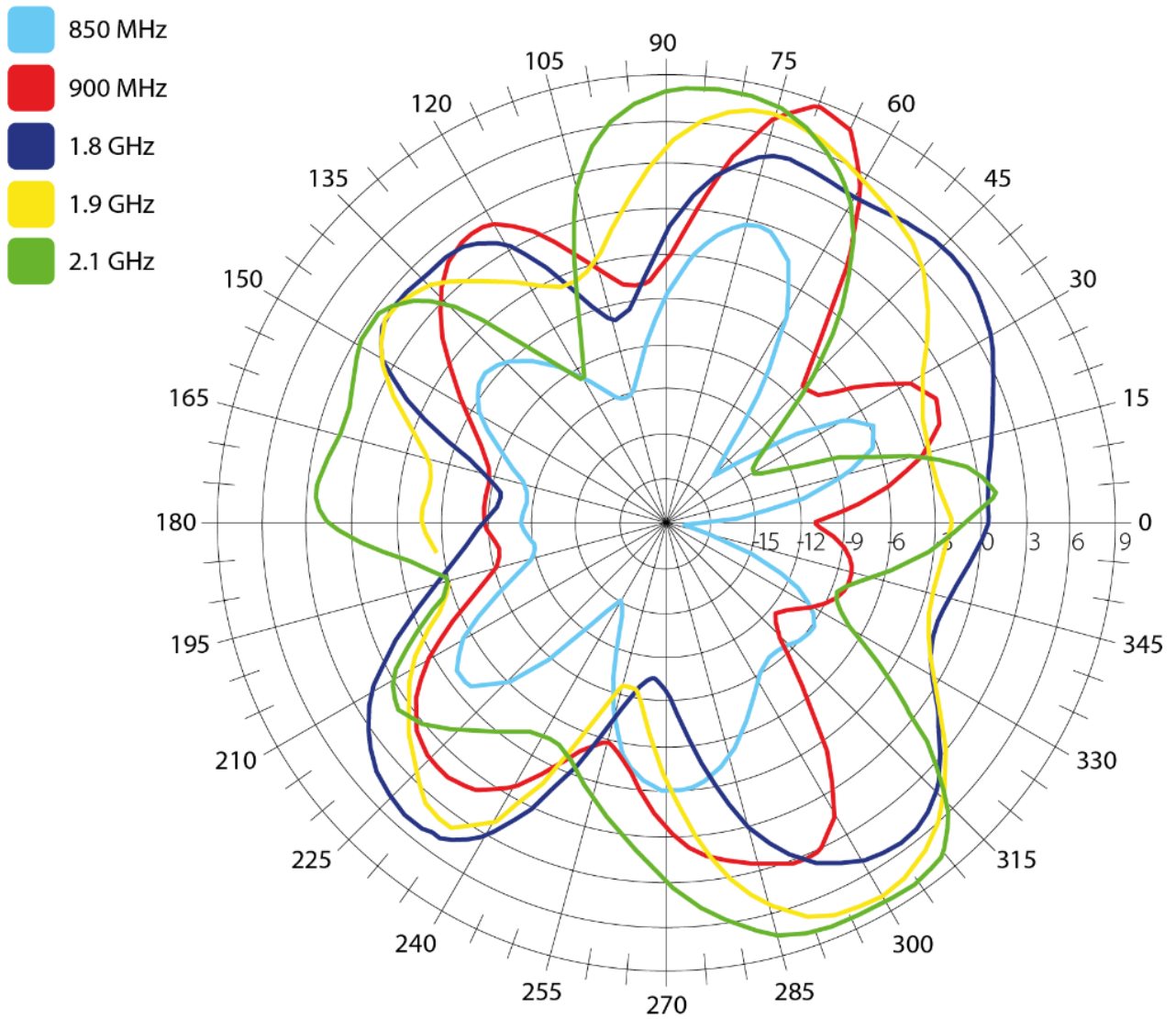


VSWR – Voltage standing wave ratio [-]

Tr1 S11 SWR 1.000/REF 1.000 [F1]



RADIATION PATTERN - 2D



SUMMARY

Frequency [MHz]	Gain [dBi]	VSWR [-]	$S_{11}$ [dB]
850	-0.1	1.85:1	-10.48
900	8.91	1.22:1	-20.06
1800	5.73	1.30:1	-17.78
1900	7.24	1.17:1	-22.31
2100	8.37	1.19:1	-21.22

Different connector variants or cable lengths are available on request.

## CONTACTS

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

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