



GSM/UMTS ANTENNA

Antenna GSM/UMTS Magnetic 90
9 dBi, RA SMA(m), RG174/1.5m

AO-AGSM-MG9-174-SRA

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

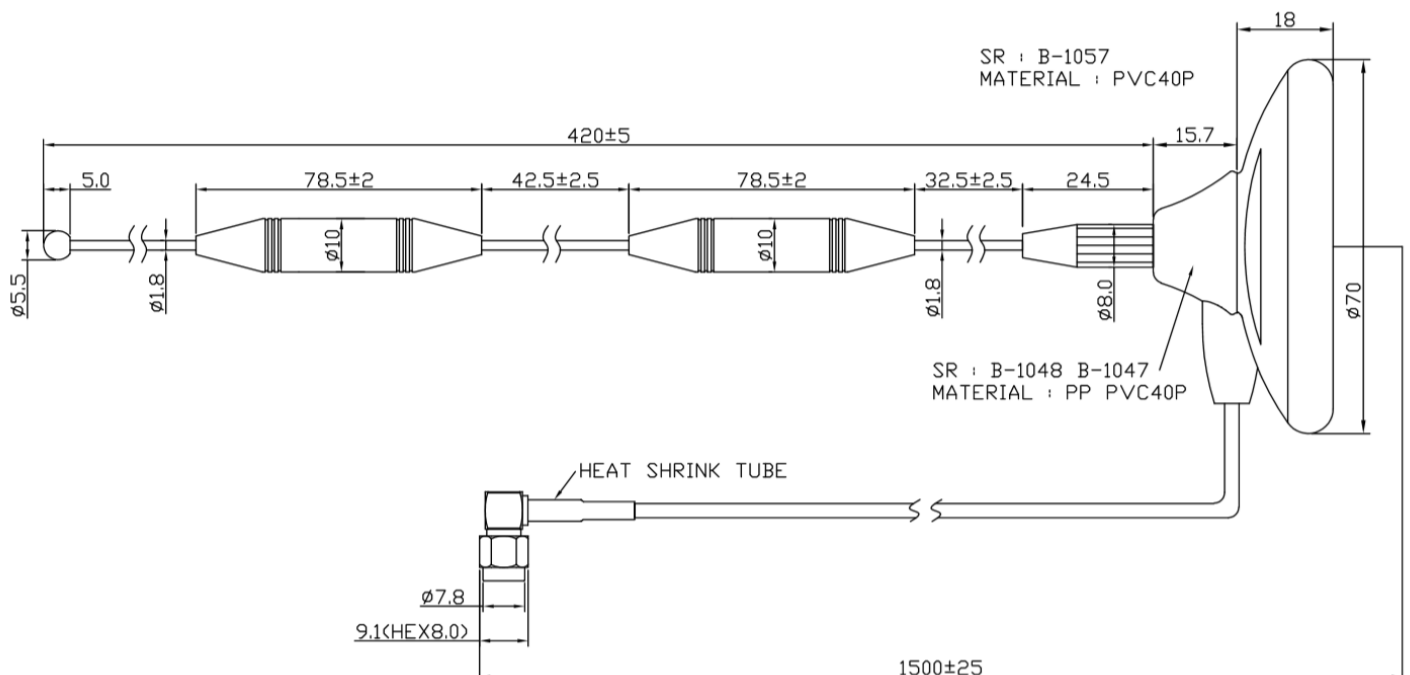


FEATURES

AO-AGSM-MG9-174-SRA

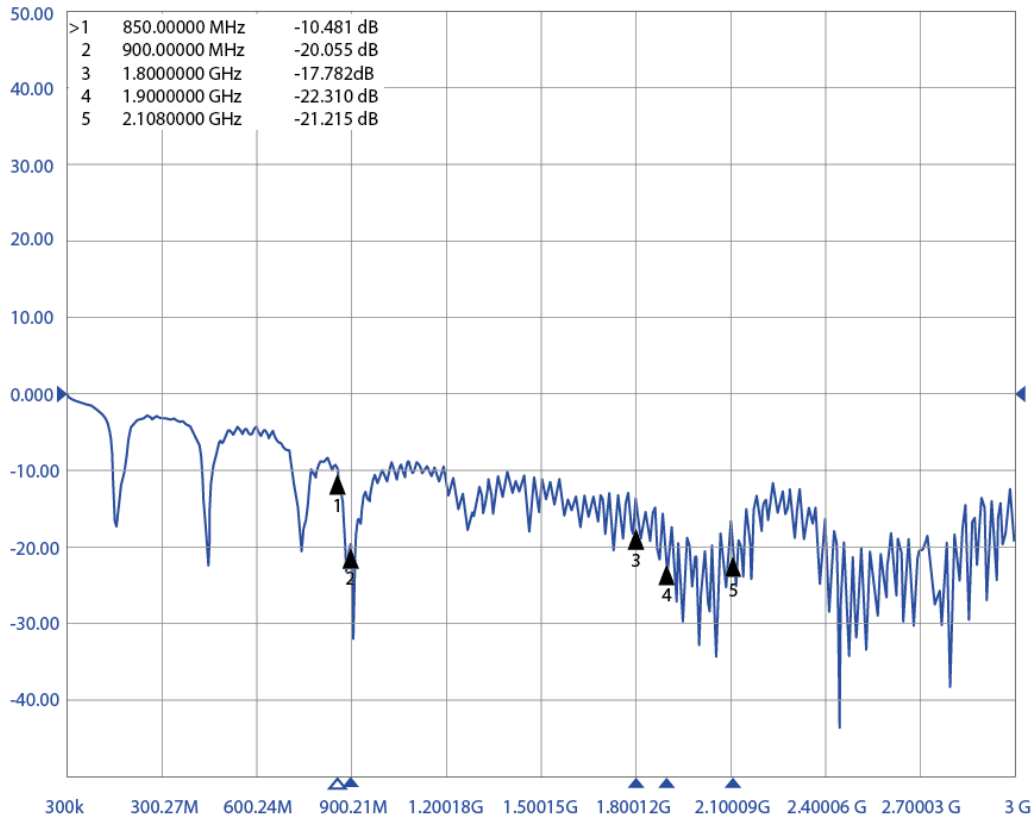
Technology	GSM/UMTS
Frequency bands	850/900/1800/1900/2100 MHz
Bandwidth	-
Gain	9 dBi
VSWR	<1.9:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Vertical
Maximum input power	10 W
Power voltage	2.2-5 VDC
Dimensions	∅ 70 x 453.7 mm
Weight	220 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnetic mount
Cable type	RG174/U
The cable length	1.5 m
Connector type	SMA(m)/RA
Certification	ISO 9001, ISO 14001, RoHS
IP code	-
Material	PVC

DRAWING



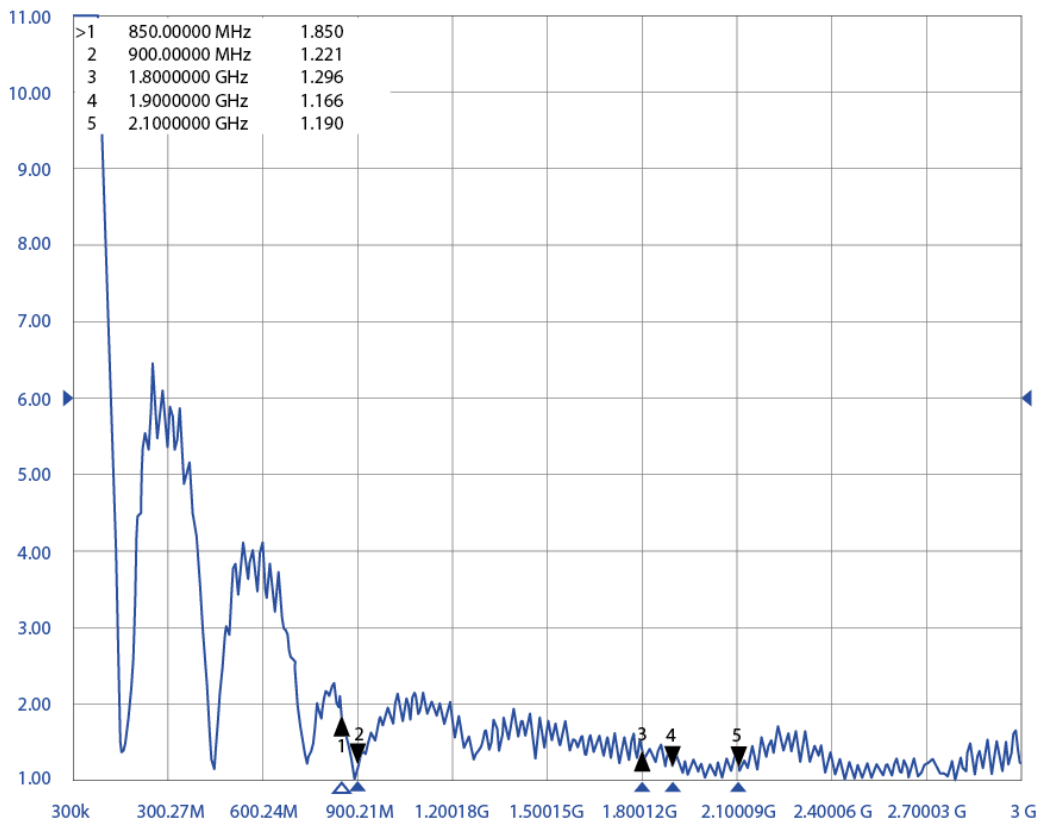
S_{11} - Return Loss [dB]

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

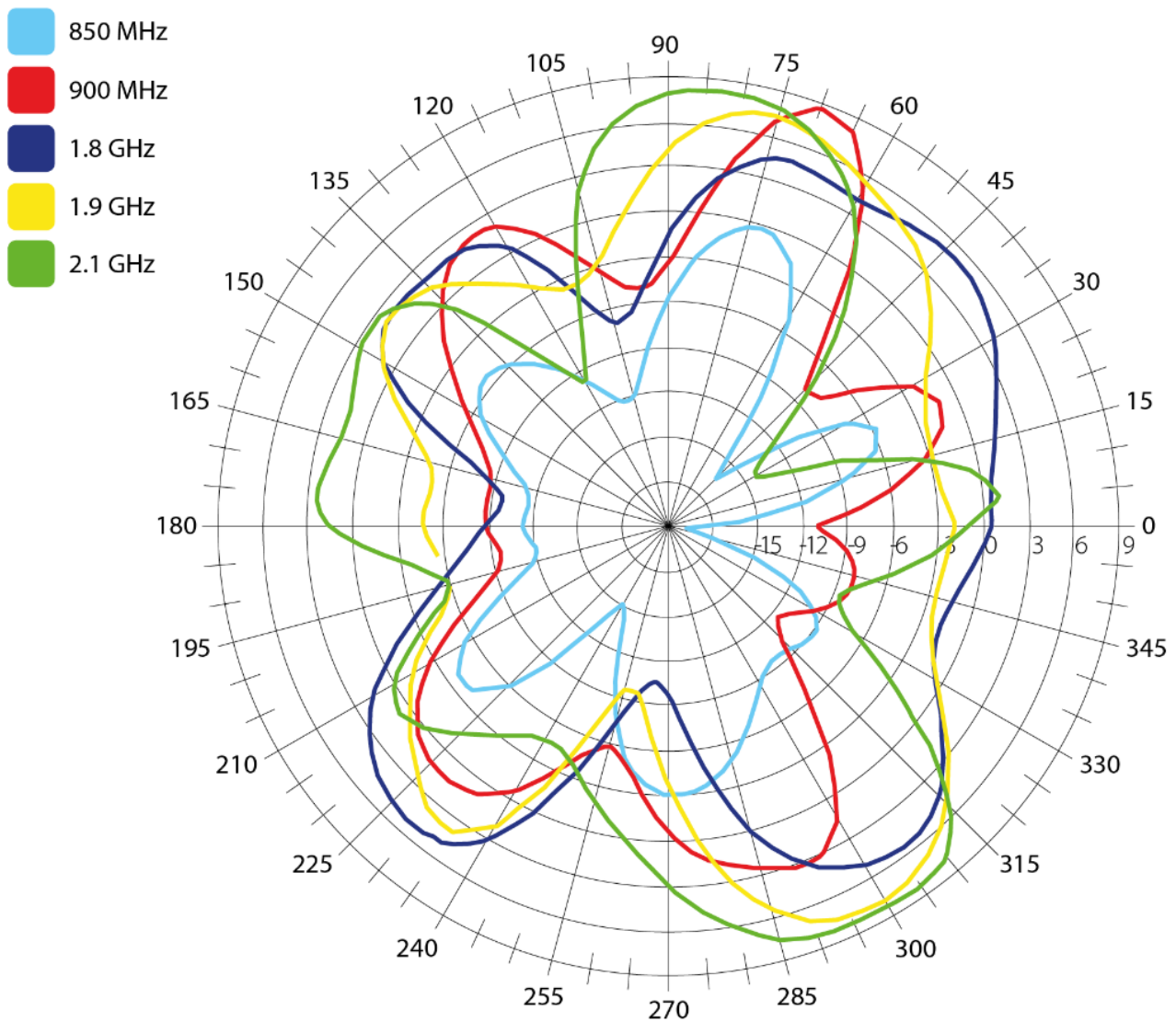


VSWR – Voltage standing wave ratio [-]

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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