



# GSM ANTENNA

Antenna GSM Adhesive 25,  
2.5 dBi, FME(f), RG174/3m

AO-AGSM-SA1F

SECTRON company offers a wide portfolio of GSM 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
- Optimized high frequency gain
- Flexible

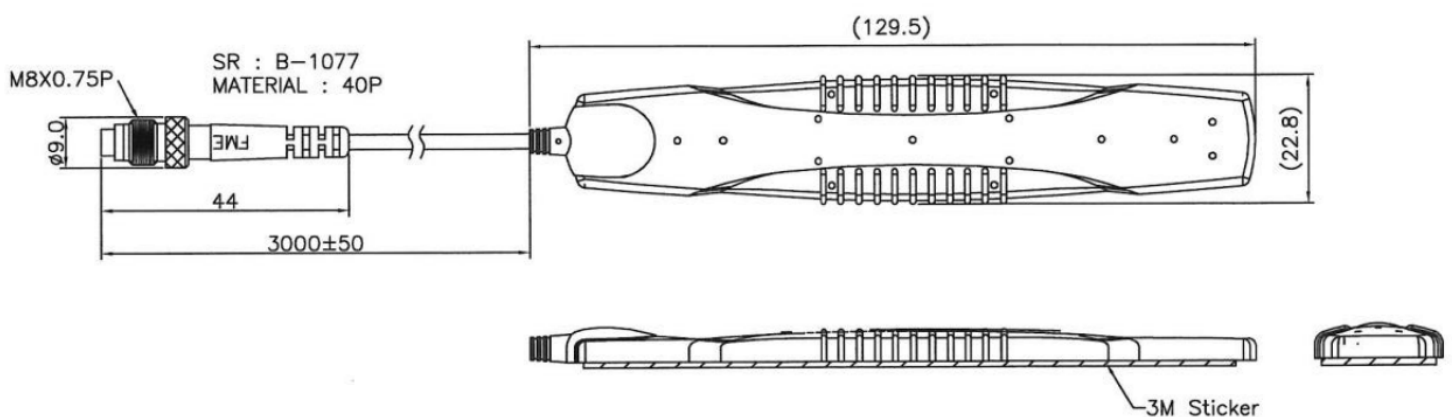


## FEATURES

AO-AGSM-SA1F

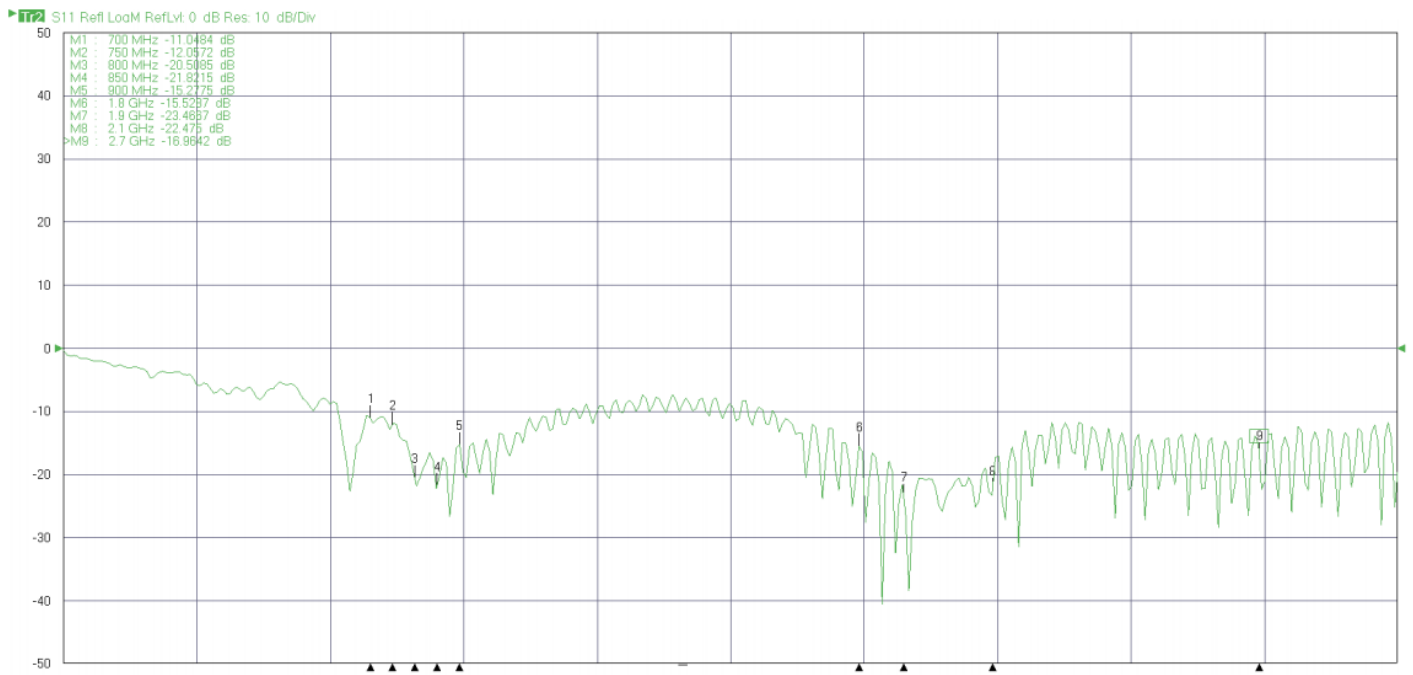
Technology	GSM
Frequency bands	900/1800/1900/2100 MHz
Bandwidth	-
Gain	4.6 dBi
VSWR	<1.4:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	-
Dimensions	129.5 x 22.8 x 6.7 mm
Weight	52.78 g
Operating temperature	-40 to +80 °C
Execution	External
Method of attachment	Adhesive
Cable type	RG174/U
The cable length	3 m
Connector type	FME(f)
Certification	RoHS, ISO9001, ISO14001
Material	Plastic
IP code	-

## DRAWING

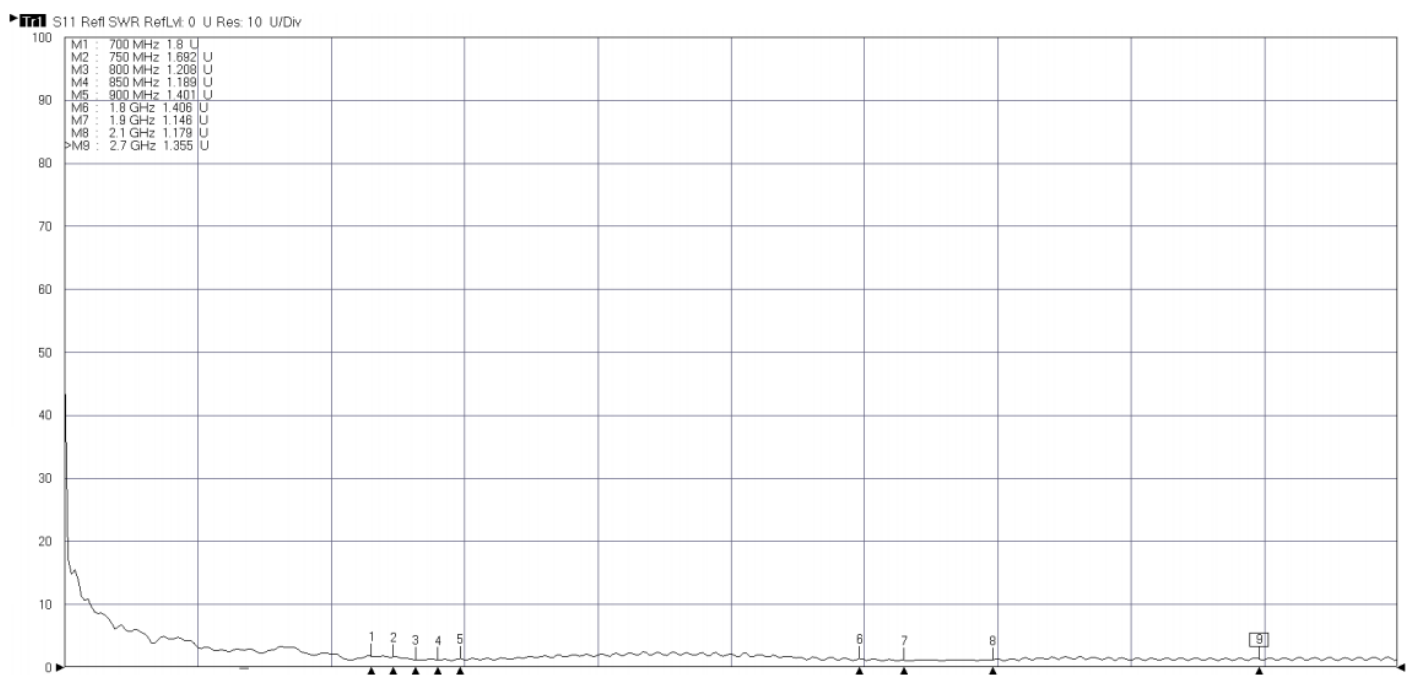


Unit: mm

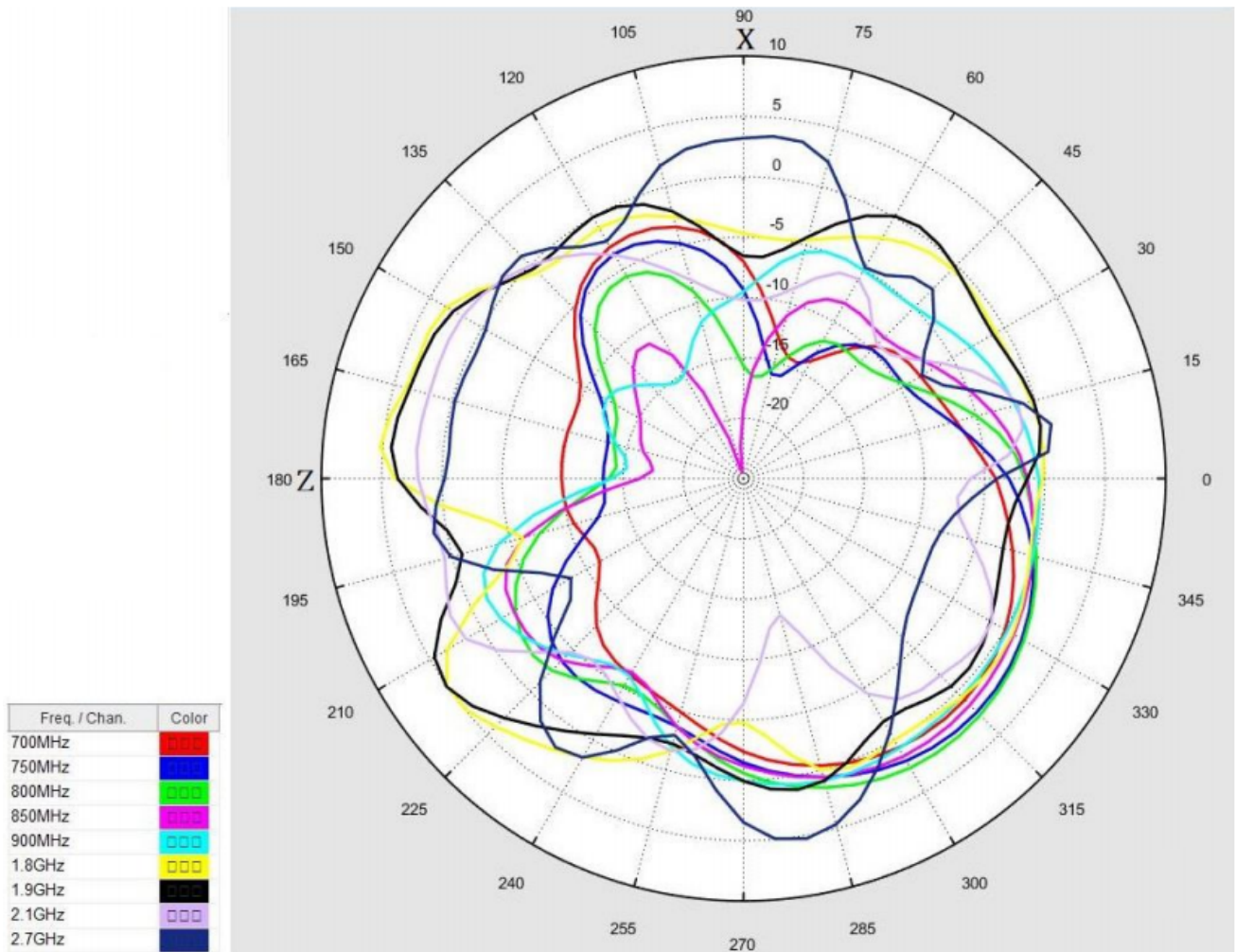
### $S_{11}$ - Return Loss [dB]



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



RADIATION PATTERN



SUMMARY

Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Efficiency [%]	Gain [dB]
700	-11.04	1.8	44.57	1.06
750	-12.05	1.69	50.35	2.46
800	-20.50	1.20	56.23	2.8
850	-21.82	1.18	54.7	2.17
900	-15.27	1.40	68.08	2.01
1800	-15.52	1.40	76.21	4.08
1900	-23.46	1.14	70.31	4.6
2100	-22.47	1.17	34.59	2.53
2700	-16.96	1.35	52.84	4.66

## VARIANTS

AO-AGSM-SA1F

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Different connector variants or cable lengths are available on request.

## CONTACTS

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

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