



GSM ANTENNA

Antenna GSM Adhesive 25, 2.5 dBi,
SMA(m), RG174U/1.5m

AO-AGSM-SA1S150

SECTRON company offers wide portfolio GSM antennas with various versions differing in shape, level of gain or attachment manner. SECTRON guarantees compatible connection between antenna and all antenna adaptors produced by SECTRON.

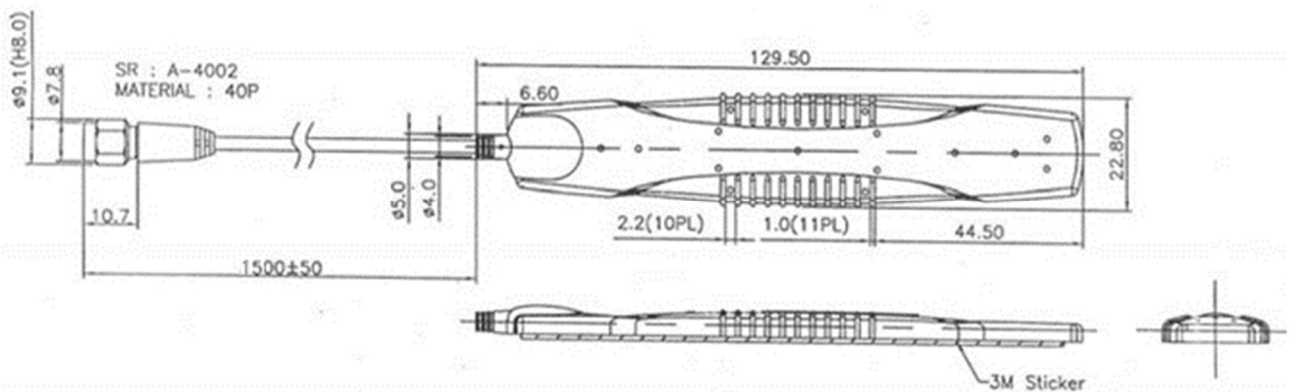
BENEFITS

- Low VSWR
- Easy installation
- Omnidirectional - suitable for moving devices

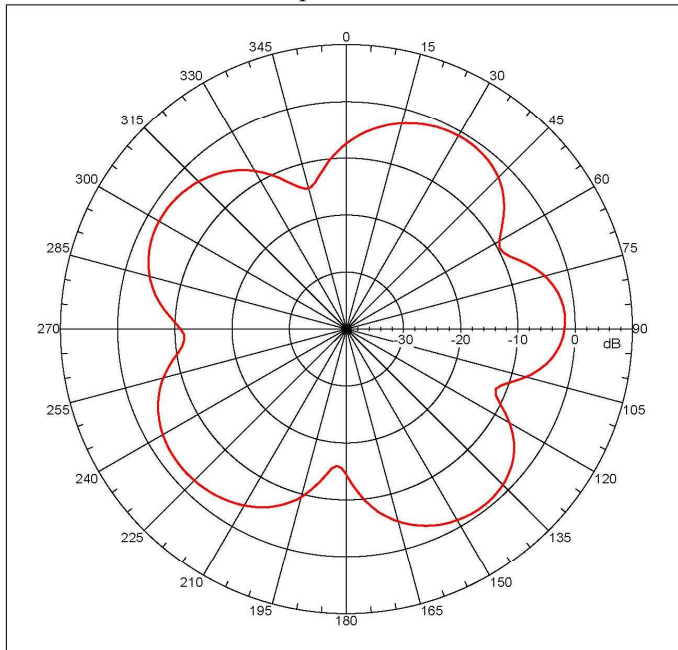


Technology	GSM
Frequency bands	900/1800/1900/2100 MHz
Bandwidth	-
Gain	2.5 dBi
VSWR	<2.0: 1
Impedance	50 ohm
Directivity	Omnidirectional
Beam angle	H 360° V 30°
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	129.5 x 22.8 x 6.7 mm
Weight	37.12 g
Operating temperature	-30 to +80 ° C
Execution	External
Method of attachment	Adhesive
Cable type	RG174 / U
The cable length	1.5 m
Connector type	SMA(m)

DRAWING



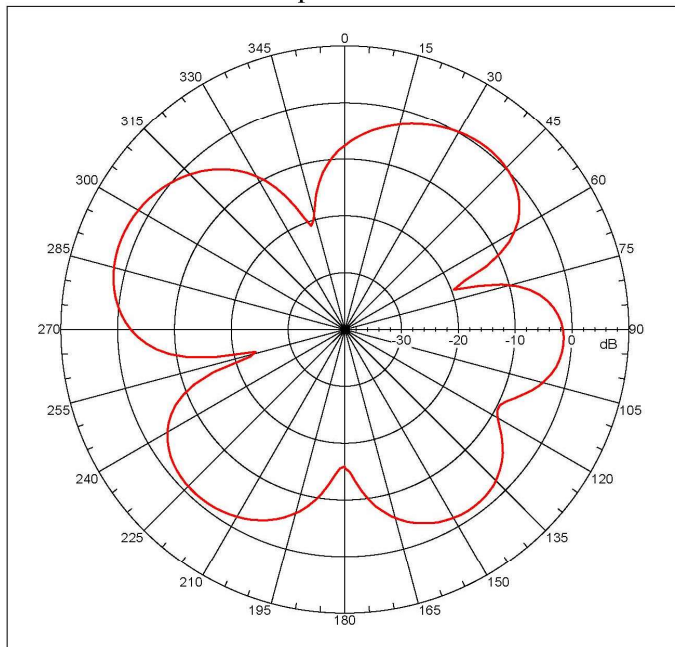
Far-field amplitude of AG-08.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = -0.78415 dB
 Max far-field (global) = -41.71016 dB, Max far-field (plot) = -41.7102 dB
 Normalization: Reference, Network offset = 0.000 dB
 Vpeak at: 141.29959 deg, Vpeak at: 0.000 deg
 Plot centering: On
 AG-08E-Plane cut scan. Feeding cable at bottom side around RJC been covered by absorber to reduce possible coupling with AUP.
 NSI2000 V4.0.124, Filename:C:\nsi2000\T.Y.HUS\PF-28A\AG-08.nsi
 Measurement date/time: 5/17/2007 4:32:48 PM, Filetype: NSI-97
 Far-field Cut Analysis:
 Avg value: -4.545 dB
 -3 dB beam width: 35.82 deg
 -10 dB beam width: 49.75 deg
 Left sidelobe: -0.96 dB at 87.486 deg
 Right sidelobe: Not Found
 Far-field display setup
 Azimuth (deg)
 Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
 Start = -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000 deg
 Elevation (deg)
 Center = 0.000 deg, #pts = 1
 Selected beam(s) 1 of 6
 Beam Frequency Azimuth Elevation Pol

 1 0.880 GHz Azimuth Elevation Single-pol

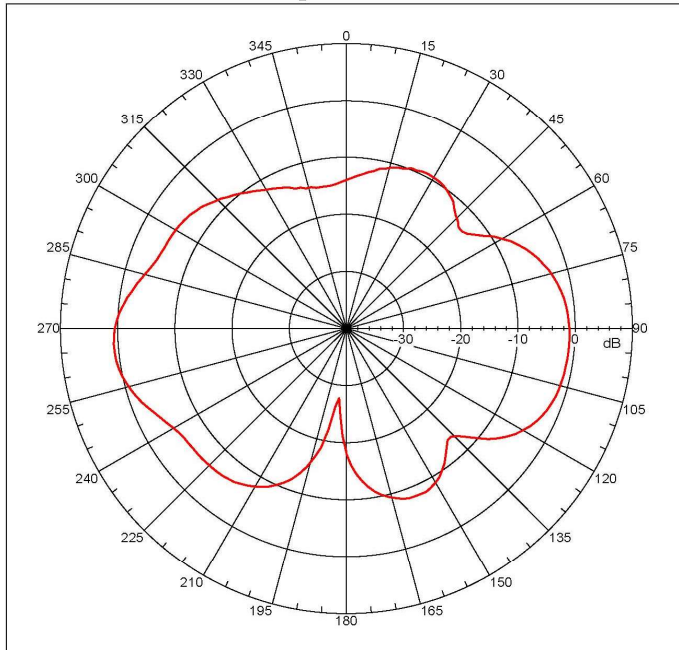
Far-field amplitude of AG-08.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = -2.43511 dB
 Max far-field (global) = -40.19456 dB, Max far-field (plot) = -40.19467 dB
 Normalization: Reference, Network offset = 0.000 dB
 Vpeak at: -60.880 deg, Vpeak at: 0.000 deg
 Plot centering: On
 AG-08E-Plane cut scan. Feeding cable at bottom side around RJC been covered by absorber to reduce possible coupling with AUP.
 NSI2000 V4.0.124, Filename:C:\nsi2000\T.Y.HUS\PF-28A\AG-08.nsi
 Measurement date/time: 5/17/2007 4:32:48 PM, Filetype: NSI-97
 Far-field Cut Analysis:
 Avg value: -2.750 dB
 -3 dB beam width: 38.56 deg
 -10 dB beam width: 63.24 deg
 Left sidelobe: -3.59 dB at -137.765 deg
 Right sidelobe: -1.84 dB at 39.218 deg
 Far-field display setup
 Azimuth (deg)
 Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
 Start = -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000 deg
 Elevation (deg)
 Center = 0.000 deg, #pts = 1
 Selected beam(s) 1 of 6
 Beam Frequency Azimuth Elevation Pol

 3 0.960 GHz Azimuth Elevation Single-pol

Far-field amplitude of AG-08.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 0.74775 dBi
 Max far-field (global) = -44.30258 dB, Max far-field (plot) = -44.30258 dB
 Normalization: Reference, Network offset = 0.000 dB
 Mpeak at: -34.00001 deg, Vpeak at: 0.000 deg
 Plot centering: On

AG-08E-Plane cut scan. Feeding cable at bottom side around RJC beam covered by absorber to reduce possible coupling with APT.

NSI2000 V4.0.124, Filename:C:\nsi2000\T.Y.HUS\FF-28A\AG-08.nsi
 Measurement date/time: 5/17/2007 4:32:48 PM, Filetype: NSI-97

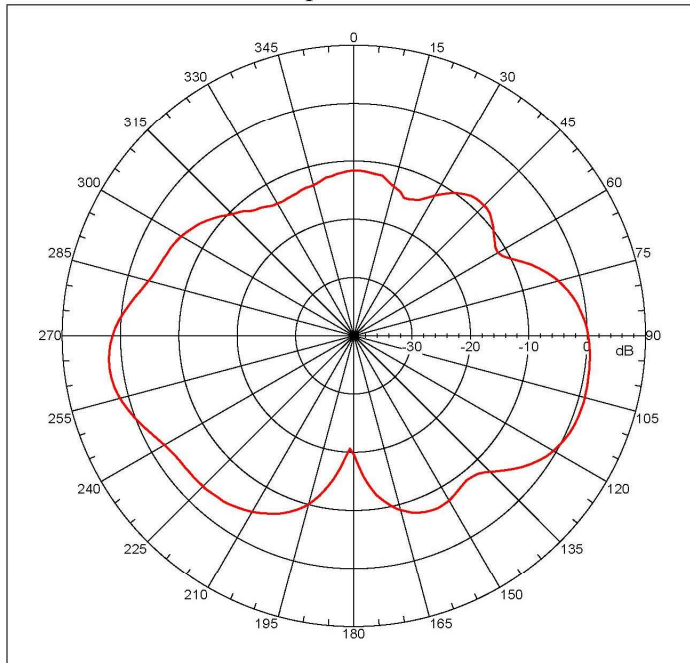
Far-field Cut Analysis:
 Avg value: -6.458 dB
 -3. dB beam width: 31.71 deg
 -6. dB beam width: 55.67 deg
 -10. dB beam width: 113.54 deg
 Left sidelobe: Not Found
 Right sidelobe: -10.17 dB at 29.162 deg

Far-field display setup
 Azimuth (deg)
 Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
 Start = -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000 deg
 Elevation (deg)
 Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 6
 Beam Frequency Azimuth Elevation Pol

 4 1.710 GHz Azimuth Elevation Single-pol

Far-field amplitude of AG-08.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 2.22356 dBi
 Max far-field (global) = -44.30981 dB, Max far-field (plot) = -44.30981 dB
 Normalization: Reference, Network offset = 0.000 dB
 Mpeak at: -98.00001 deg, Vpeak at: 0.000 deg
 Plot centering: On

AG-08E-Plane cut scan. Feeding cable at bottom side around RJC beam covered by absorber to reduce possible coupling with APT.

NSI2000 V4.0.124, Filename:C:\nsi2000\T.Y.HUS\FF-28A\AG-08.nsi
 Measurement date/time: 5/17/2007 4:32:48 PM, Filetype: NSI-97

Far-field Cut Analysis:
 Avg value: -5.251 dB
 -3. dB beam width: 20.47 deg
 -6. dB beam width: 45.56 deg
 -10. dB beam width: 107.67 deg
 Left sidelobe: Not Found
 Right sidelobe: -13.91 dB at 3.017 deg

Far-field display setup
 Azimuth (deg)
 Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
 Start = -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000 deg
 Elevation (deg)
 Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 6
 Beam Frequency Azimuth Elevation Pol

 5 1.000 GHz Azimuth Elevation Single-pol

VARIANT	PART NUMBER
Antenna GSM Adhesive 25/open, 2.5dBi, RG174/3m	AO-AGSM-SA1
Antenna GSM Adhesive 25, 2.5dBi, MMCX(m)R/A, RG174 2m	AO-AGSM-SA1C
Antenna GSM Adhesive 25, 2.5dBi, FME(f), RG174/3m	AO-AGSM-SA1F
Antenna GSM Adhesive 25, 2.5dBi, MCX(m)R/A, RG174/40cm	AO-AGSM-SA1M
Antenna GSM Adhesive 25, 2.5dBi, SMA(m), RG174U/3m	AO-AGSM-SA1S

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