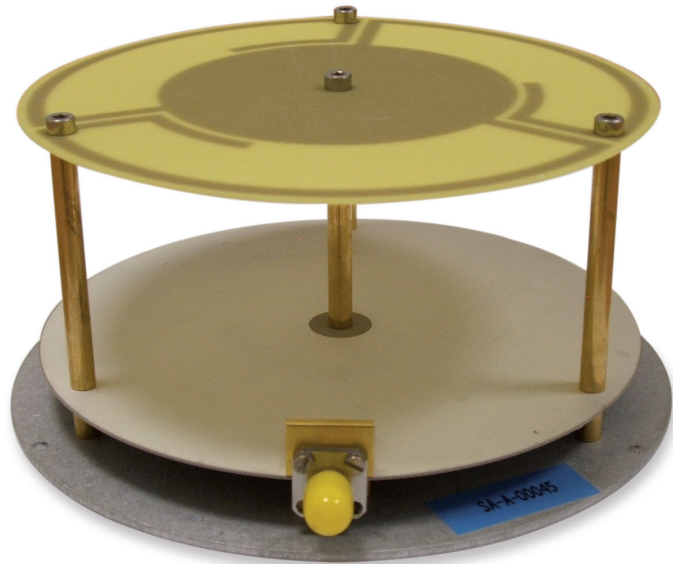
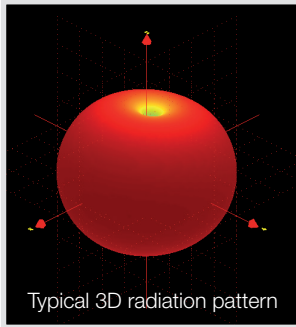


ARGOS Tx/Rx

Ultra Compact Terminal Antennas



SOLUTION FOR

- Bi-directional data transmission (activity, environmental or localization) for Argos 3 user applications (ships, shipping containers, etc.)

Main features

Technical performance

- Maximum gain values at low elevation angles
- Rotational symmetry of radiation pattern
- Dual frequency operation (Tx and Rx)
- Natural circular polarization

Design

- Ultra compact dimensions compared to the wavelength
- Lightweight
- Integrated diplexer

Surface treatment

- Alodine 1200 according to MIL-C 5541 E class 3

Delivered documents

- Typical performance data (TYMEDA™)
- Measured return loss

Product configuration

Equipment

- Radome for outdoor applications

Related services

- Maintenance

■ Included □ Optional



MVG/CNES patented smart design.
No ground plane required.

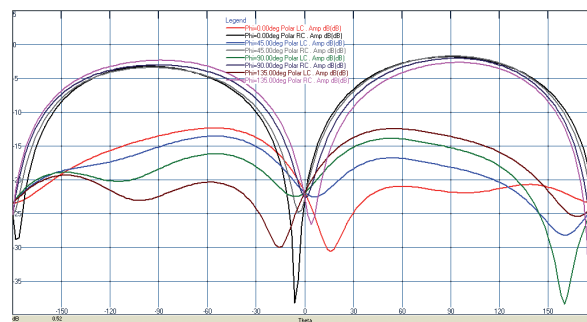
Electrical characteristics

Part number	SA-A
Type of antenna	Patch antenna
Frequency bands	Tx: 401.65 MHz (+30 KHz; -60 KHz) Rx: 465.78 MHz (± 15 KHz)
Average gain	Max gain between 5° - 60° elevation - 1 dBc
Gain variation over azimuth	Rotational symmetric
VSWR	< 2.5
Polarization	RHCP (LHCP optional)
Return loss	< -7.5 dB
Isolation Rx/Tx	> 50 dB
Impedance	50 Ohms

Mechanical characteristics

Part number	SA-A
Dimensions (diameter x height)	120 mm x 60 mm
Weight (approx)	150 g
Connector	SMA Female
Operating temperature	-40° C to +60° C

Typical elevation cuts at 401.65 MHz



Typical elevation cuts at 466 MHz

