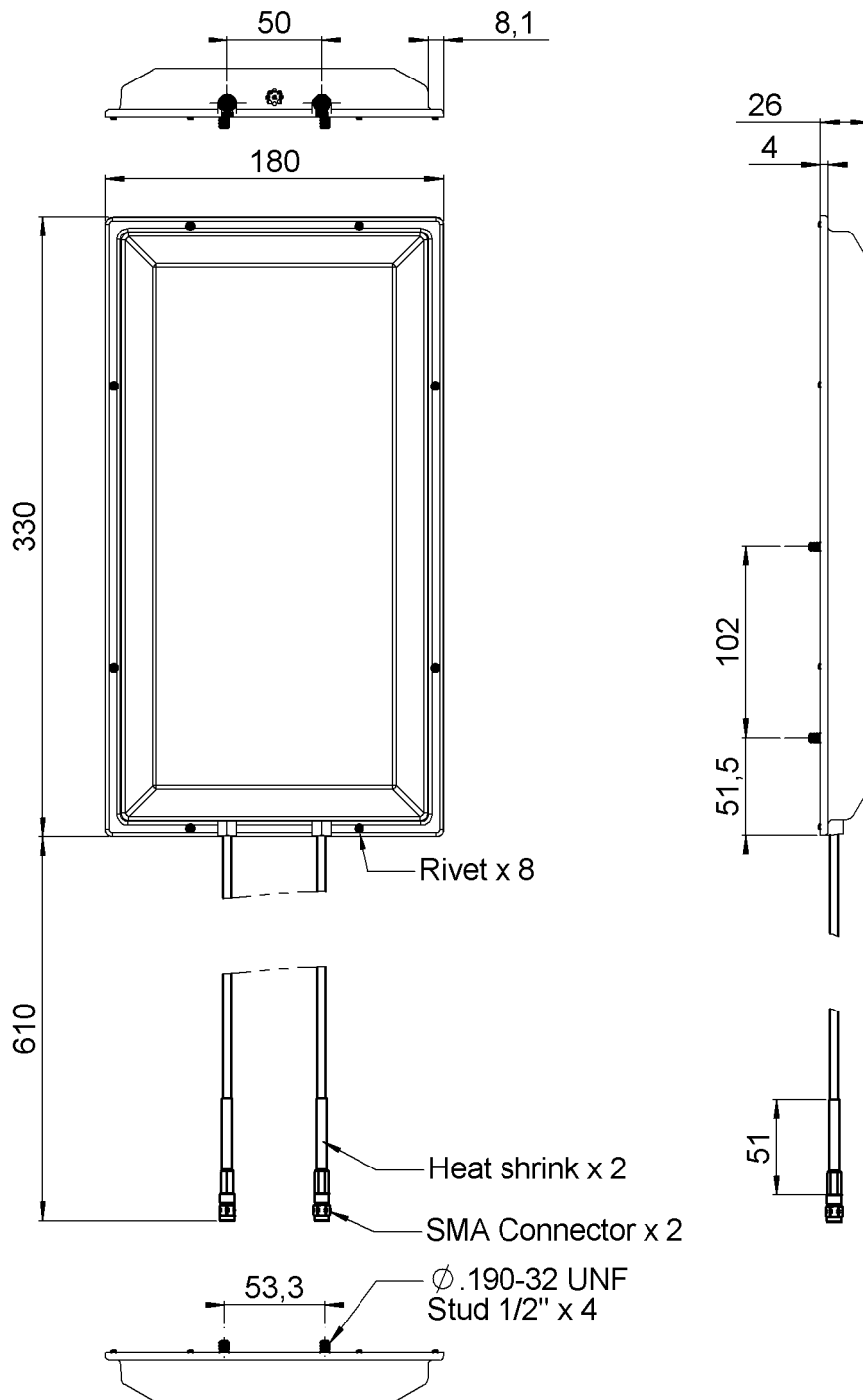


ANTENNA ARRAY 5.725-5.825GHZ GAIN =18DBI**DIRECTIONNAL ANTENNA****EPA 01-036**

Series : ANTENNE

Scale 1:4

Specification: 11-00000145



All dimensions are in mm

**Issue : 0145 C**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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ANTENNA ARRAY 5.725-5.825GHZ GAIN =18DBI**DIRECTIONNAL ANTENNA****EPA 01-036**

Series : ANTENNE

ELECTRICAL CHARACTERISTICS

Frequency : 5.725-5.825 GHz

Nominal Impedance : 50 Ω

VSWR : 2 Max

Gain : 18 dBi

Radiation Pattern

-3 dB beamwidth

Azimuth Plane : 20 ° Max

Elevation Plane : 20 ° Max

Cross Polarization level

Azimuth Plane : -25 dB

Elevation Plane : -30 dB

Isolation : 20 dB mini

Polarization : **VERTICAL & HORIZONTAL**

Power withstanding : 2 W

Connector type : **SMA (R124.076.323)**Cable type : **SHF 142**Length : **610 mm****Issue : 0145 C**

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Series : ANTENNE

MECHANICAL CHARACTERISTICS

Plastic radome : **UV resistant ABS**
Color : **WHITE RAL 9001**

Ingress Protection : **IP 55**
Weight : **1275 g**
Overall length : **330 x 180 x 26 mm**

Cable retention : Pull off : **237 N mini**
Fixing system : **See figure**

ENVIRONMENTAL CHARACTERISTICS

Operating temperature : **-40/+70 ° C**

Temperature :
Stationary **-45/+60 ° C (1),(2)**
Cyclic **-45°C - +60°C Rate 0.5°C/min (3)**

Humidity :
Stationary **93% @ 30° C (4)**
Cyclic **90% @ 30° C (5)**

Vibration
Sinusoidal **$\pm 5 \text{ mm} / 2 \text{ m/s}^2$ (6)**
Random **$0.03 \text{ g}^2/\text{Hz}$ (7)**

Drop test : **0.8 m (8)**

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Series : ANTENNE

TESTS ENVIRONMENTAL

Test report n° 98-13-7874

- (1) Tests following IEC 68-2-1 Ad
duration: 16 hours @ -45° C
- (2) Tests following IEC 68-2-2 Bd
duration: 16 hours @ +60° C
- (3) Tests following IEC 68-2-14 Nb
temperature changing rate: 0.5°C/min
time at each temperature: 3 hours
2 cycles
- (4) Tests following IEC 68-2-56 Cb
stationary: 93% @ +30° C during 21 days
- (5) Tests following IEC 68-2-30 Db
cyclic: 6 cycles of 12+12 hours
90% - 100% @ +25°C - +30°C
- (6) Tests following IEC 68-2-6 Fc
Frequency range: 5 – 200 –5 Hz
3 directions
duration : 12 mn/cycle
5 cycles in 3 axes
- (7) Tests following IEC 68-2-36 Fb
Level (ASD): 6 grms / F: 10 – 200 Hz
Frequency range: 200 Hz – 2 kHz
3 directions / 10 min per direction
- (8) Tests following IEC 68-2-32 Ed
Height: 0.8 m
1 fall for each face

Issue : 0145 C

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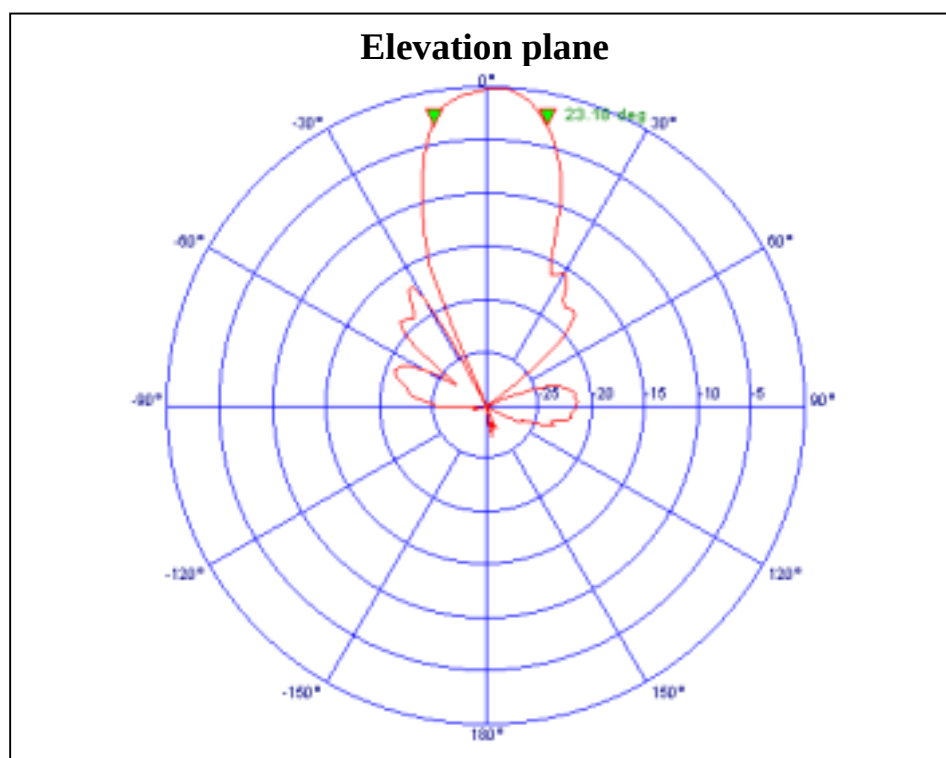
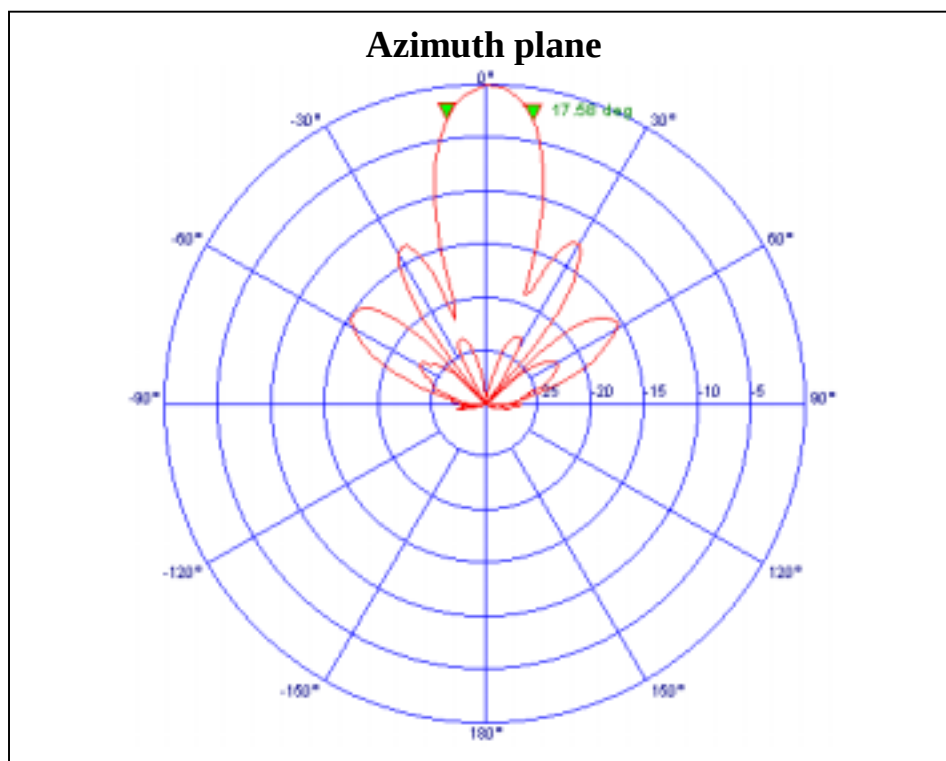
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ANTENNA ARRAY 5.725-5.825GHZ GAIN =18DBI

DIRECTIONNAL ANTENNA

EPA 01-036

Series : ANTENNE

CURVES VERTICAL POLARIZATION**Issue : 0145 C**

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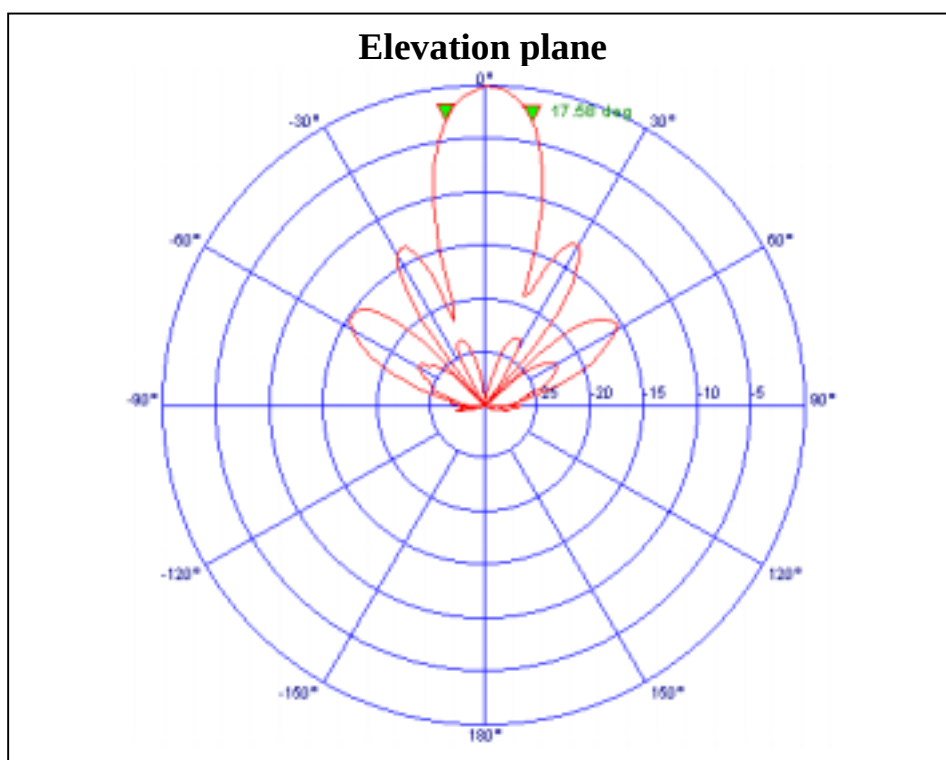
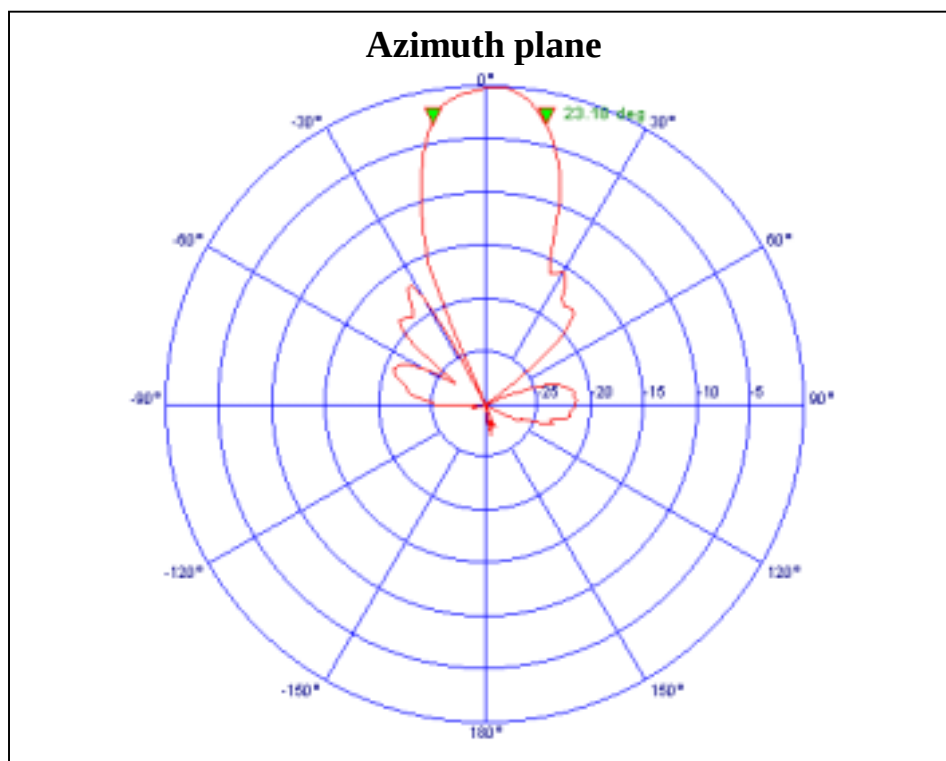
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ANTENNA ARRAY 5.725-5.825GHZ GAIN =18DBI

DIRECTIONNAL ANTENNA

EPA 01-036

Series : ANTENNE

CURVES HORIZONTAL POLARIZATION**Issue : 0145 C**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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