

# DIRECTIONAL BASE STATION Antenna for W-LAN 2.4 GHz

**SDC-2.4-15** p/n 2111203.00

Sirio Directional Cavity

## Electrical Data:

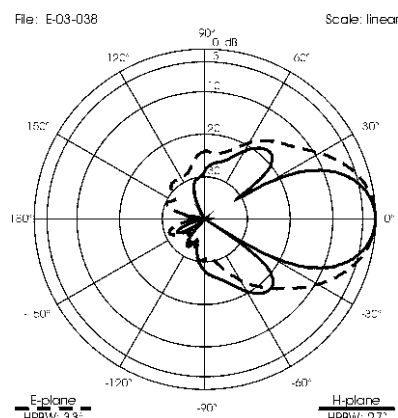
Type:	Cavity Backed
Frequency Range:	2400-2485 MHz for W-LAN band
Impedance:	50 Unbalanced
Polarization:	Linear Vertical or Horizontal
Gain:	15 dBi
3 dB Beamwidth:	E-plane 33°
3 dB Beamwidth:	H-plane 27°
Downtilt:	Mechanical: Bracket tilt function
Front to back ratio:	25 dB
V.S.W.R. in Bandwidth:	1.6:1
Max Power:	20 Watts (CW) at 50° C
Lightning protection:	DC-ground
Connector:	SMA-female

## Mechanical Data:

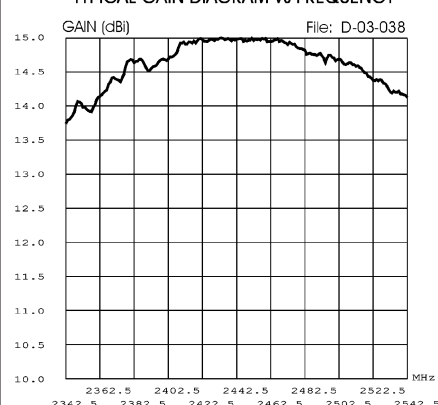
Housing Materials:	Aluminium, Brass, Stainless Steel
Radome Material:	White Thermoplastic UV Stabilized
Wind Load / Resistance:	104 N at 150 Km/h / 160 Km/h
Wind Surface:	0.06 m <sup>2</sup>
Dimensions (approx.):	275 x 80 mm without bracket
Weight (approx.):	720 gr
Mounting:	Mast 35-50 mm with clamp included Wall with mounting screws (not included)



TYPICAL RADIATION PATTERN at 2442.5 MHz



TYPICAL GAIN DIAGRAM vs FREQUENCY



TYPICAL S.W.R. RESPONSE

