

# VPD90 Directional Antenna



The obvious choice of a high gain antenna for M2M applications! VPD90 is designed for discreet outdoor installations and is not easily identified as an antenna. The directional antenna VPD90 can be pointed towards the optimal direction by mounting the antenna housing in predefined directions. VPD90 is optimized for the GSM bands, 3G frequencies and the licensed free 868 MHz band.

- flexible five band antenna – 850/900/1800/1900/2100 MHz
- Excellent RF performance
- Directional antenna with durable design
- Extra electrical isolation according to SS-EN61010
- Verified according to IP44
- RoHS compliant
- Easy and fast to install

## Specifications

### Electrical

Frequency band	824-960MHz	1710-2170MHz
VSWR	< 2.0:1	< 2.0:1
Peak gain (typical)	7 dBi	5 dBi
Impedance	Nominal 50Ω	
Polarization	Linear vertical	
Max Power	10W	

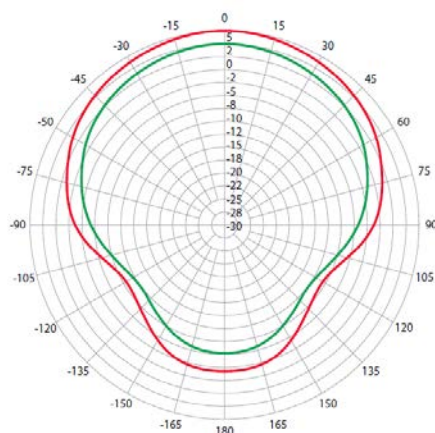
### Mechanical

Dimension (L x W x H)	110 x 110 x 200 mm
Weight	485g
Installation	Mounting bracket included
Connector	SMA(m) chassis connector
Material	Radome/Bracket: ABS, Top/Bottom: PP
Color	Grey (RAL7035)
Water ingress	According to IP44
Temperature	-40°C to +85°C

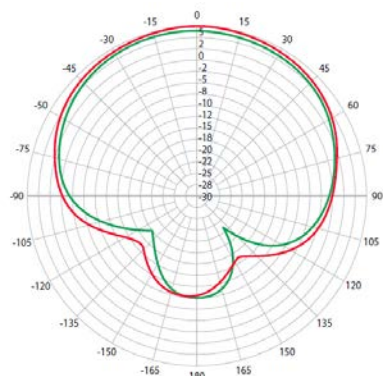
### Other

This part is RoHS compliant

*Smarteq reserves the right to change specifications without prior notice.*



900 MHz – Azimuth (deg) – Amplitude (dB)



1800 MHz – Azimuth (deg) – Amplitude (dB)

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Smarteq, based in Stockholm, Sweden, is a leading developer of antennas and antenna systems for increased availability. Smarteq aims towards the market segments M2M, automotive, and mobile communications (of voice and data).

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