

Smarteq™ VPD90 Directional Antenna

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) - Directional

710002



Description

High gain, multiband antenna designed for discreet outdoor installations.

Technologies

- 2G/3G/4G/5G
- ISM 868/915
- LoRA
- NB-IoT

Features

- Flexible five band antenna – 850/900/1800/1900/2100 MHz
- Excellent RF performance
- Directional antenna with durable design
- Gain: 7dBi / 5dBi



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The Smarteq™ VPD90 is a high gain antenna designed for discreet outdoor installations. The directional antenna VPD90 can be pointed towards the optimal direction by mounting the antenna housing in predefined directions. VPD90 is optimized for the cellular frequency bands and the licensed free 868/915 MHz band.

Features

- Flexible five band antenna – 850/900/1800/1900/2100MHz
- 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

Applications

- Smart cities
- Smart metering
- Utilities
- Intelligent Transportation Systems (ITS)

Certifications



SPECIFICATIONS

Smarteq™ VPD90 Directional Antenna

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Electrical Specifications – RF Antennas

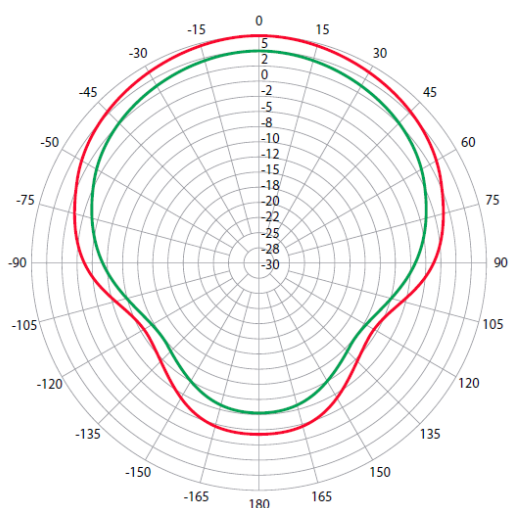
Frequency Ranges	VSWR	Peak Gain (Typical)	Nominal Impedance	Polarization	Max. Power
824-960MHz	< 2.0:1	7 dBi	50Ω	Linear, vertical	10W
1710-2170MHz	< 2.0:1	5 dBi			

Mechanical and Environmental Specifications

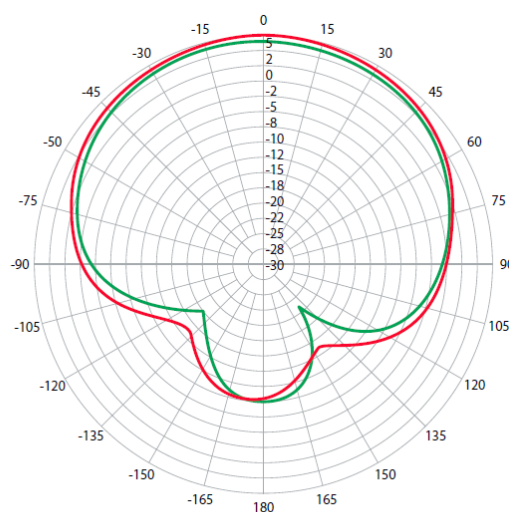
Physical

Dimensions (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
Operating / Storage Temperature	-40°C to +85°C
Certifications	RoHS compliant

Radiation Patterns



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



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

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for over 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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