

AV-205/208/210 Linear Omnidirectional Antenna

AV Antennas, which are linear polarization omnidirectional antennas, are suitable for mobile links.

The design of this antenna makes it very suitable for the transmission of signals, from transmitters in motion, in medium distance links. These antennas have 5 dBi gain (AV-205), 8 dBi gain (AV-208) and 10dBi gain (AV-210).

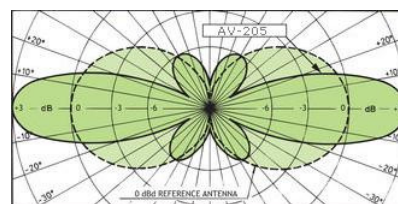
This antenna is commonly used in city coverage applications. With this antenna the signal is transmitted to the central receiver system without the need to steer it.

The omnidirectional radiation pattern makes possible to transmit the signal without the need to steer the antenna.

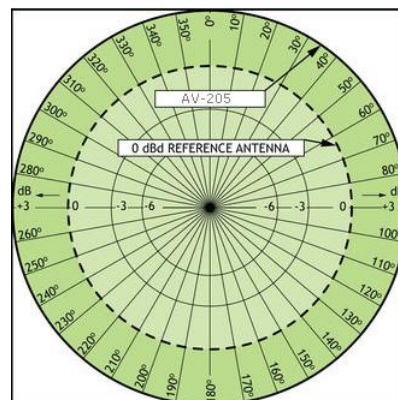


AV-205 Characteristics

- Frequency band**
 - 1900-2200 MHz
 - 2200-2300 MHz
 - 2300-2500 MHz
 - 2500-2700 MHz
- Gain**
 - 5 dBi
- Polarization**
 - Linear, Vertical
- VSWR**
 - < 1.8
- Connector**
 - N female
- Temperature range**
 - 30 to +70°C
- Size**
 - 500 mm x D 22 mm
- Weight**
 - 600 g
- Color**
 - White
- Max. Power**
 - 20 W
- Wind Surface**
 - 0,02 m
- Wind Load**
 - 2
 - 26 N @ 160Km/h



Vertical
Radiation pattern



Horizontal
Radiation pattern

AV-208 Characteristics

Frequency band

2000-2150 MHz
2100-2200 MHz
2200-2300 MHz
2300-2500 MHz
2400-2500 MHz
2500-2700 MHz

Gain

8 dBi

Polarization

Linear, Vertical

VSWR

< 1.8

Connector

N female

Temperature range

-30 to +70 °C

Size

1000 mm x D 22 mm

Weight

800 g

Max. Power

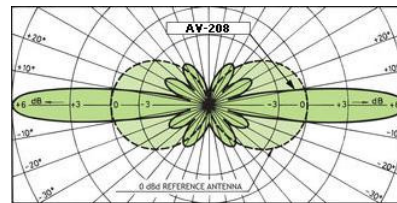
20 W

Wind Surface

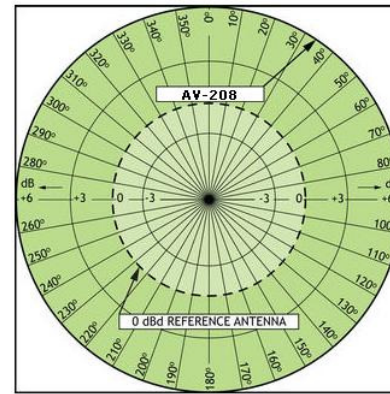
0,033 m²

Wind Load

42 N @ 160Km/h



Vertical
Radiation pattern



Horizontal
Radiation pattern

AV-210 Characteristics

Frequency band

2300-2400 MHz
2400-2500 MHz
2530-2660 MHz

Gain

10 dBi

Polarization

Linear, Vertical

VSWR

< 1.8

Connector

N female

Temperature range

-30 to +70 °C

Size

1150 mm x D 22 mm

Weight

900 g

Max. Power

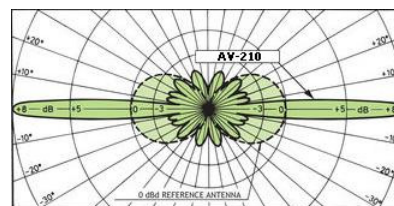
20 W

Wind Surface

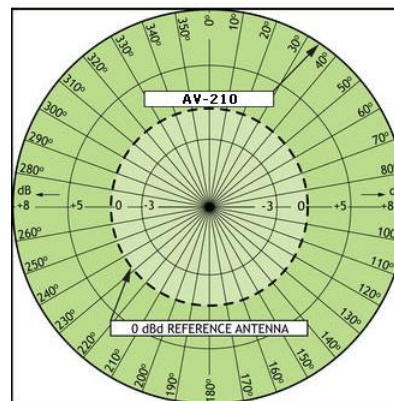
0,037 m²

Wind Load

46 N @ 160Km/h



Vertical
Radiation pattern



Horizontal
Radiation pattern

Design and specifications are subject to changes without prior notice. 01/16