

Tipi di Antenne

- Antenne a filo
- Antenne d'apertura
- Antenne a microstriscia
- Antenne a riflettore
- Antenne a lente
- Antenne a schiera.

Antenne a filo

- Antenne a dipolo;
- Antenne a loop;
- Antenne a elica.

Antenne a dipolo: FM 87.5 - 108 MHz

SPECIFICATIONS

- **Frequency range:**87,5 - 108 MHz
- **Max. power:**2 kW
- **Impedance:**50 Ohm
- **Gain:**2,5 dB
- **Weight:**7 Kg.
- **Dimensions (WxDxH):**134x95x25
- **Max wind speed:**200 Km/h
- **Material:** steel



Antenne a dipolo di precisione (1/2)

Overview

Precision Dipole Antennas are half-wave, fixed length precision dipoles designed to generate traceable calibrated fields or to measure electric fields at their respective frequency. The DP-series antennas are typically used as a reference or standard gain antenna.

Applications

- Calibration
- Communications testing
- Antenna pattern measurements

Dipole Test Sets

The DP-Series Dipole Antennas are designed with operating frequencies matched the operating frequencies of common mobile radio devices, and are available in sets that correspond to communication systems used in Europe, North America, and Asia, including GSM, TDMA, PCS, Bluetooth, and others. Custom frequencies are available.



Antenne a dipolo di precisione (2/2)

Mechanical Specifications

Dimensions: Dependent on operating frequency; approx. one-half wavelength

Weight: Varies by model

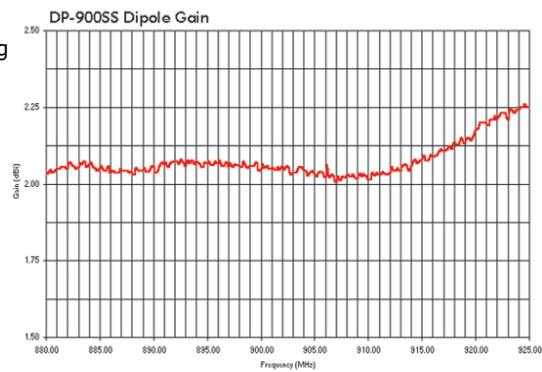
Construction: Available in aluminum, stainless steel or brass

RF Connector: SMA (female)

Electrical Specifications

Gain: See data graph

Impedance: 50 ohms



Antenna a elica

- **Gain** 15 dBi
- **Length** 52 cm
- **BW** 2350 - 2550 Mhz
- **Max Power** 10 W
- **Impedance** 50 ohm
- **Beam width** 3 dB of 50°
- **Polarization** RHCP
- **Dia. Mast.** 50 mm
- Equipped with splash proof radome

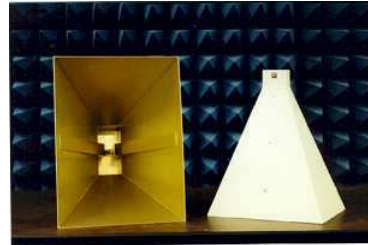


CPMelettronica E16-CA

Picture of the antenna without radome

Antenne d'apertura

- Tromba piramidale;
- Tromba conica;
- Guida d'onda rettangolare.



Antenna a tromba

Antenna Features

- Operating frequency of 1 GHz to 18 GHz
- High gain
- Robust mechanical design

Applications

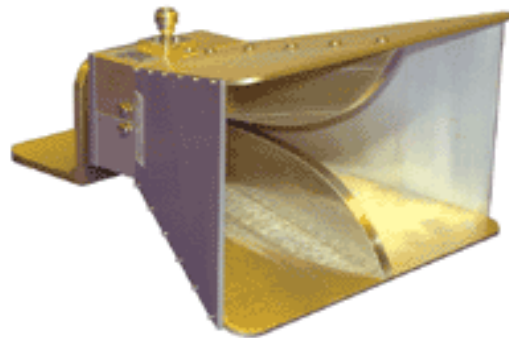
- Immunity testing
- Emissions testing
- Probe calibration

Mechanical Specifications

- Overall Size:
- Width: 25 cm
- Depth: 21 cm
- Height: 15 cm
- Weight: 1.8 kg
- Construction: Aluminum with a gold chromate finish

Electrical Specifications

- Power Handling: 300W
- Feedpoint Impedance: 50 ohms (nominal)



Antenne a tromba

Antenna Features

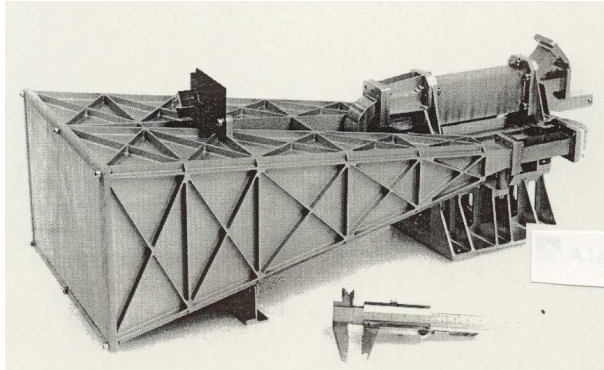
- Operating frequency around 12 GHz
- High gain
- Robust mechanical design

Applications

- Satellite communications
- Beam forming

Electrical Specifications

- Dual polarization



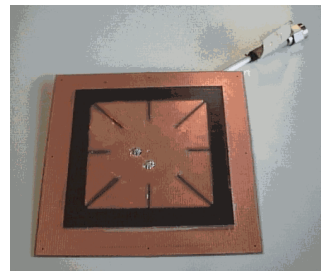
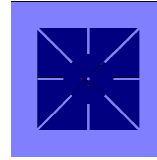
Antenne a microstriscia

- Antenna a microstriscia (patch) rettangolare.
- Antenne a microstriscia (patch) circolare.
- Antenne a microstriscia con patch di varia forma.



Microstrip Patch Antenna for GPS application

- *Low profile and low cost patch antenna for GPS application*
- *The radiating structure is composed of a square patch with 8 slits introduced on each middle side and on the corners in order to reduce the dimensions*
- *Patch dimensions are 36x36 cm and ground dimensions are 60x60cm*



Antenne a riflettore

- Riflettore parabolico:
- Riflettore ad angolo.

Antenna Parabolica

- o 1.5 m diametro
- o Guadagno: 19-43 dB
- o Frequenza: 875MHz – 14.6 GHz



Antenna Parabolica 2.4 GHz

- **Dish size** 60cm. or 90cm
- **Gain** 23dB or 27dB
- **Feeder** 2 turns helix,
- Equipped with radome
- **Beam width** 3 dB of 18°
- **B.W.** 2350 - 2550 Mhz
- **Max Power** 10 W
- **Impedance** 50 ohm

Splash proof radome of the feed helix



CPMelettronica **PAR60C-A / PAR90C-A**

Antenna a tromba parabolica

Antenna Features

- Operating frequency of 14 GHz to 14.5 GHz
- Gain: 19 dBi
- Elevation: 32°
- Azimuth beamwidth: 6°
- Zenit beamwidth: 60°
- Transmit Power: 1 W (0 dBW)

Applications

- Satellite communications

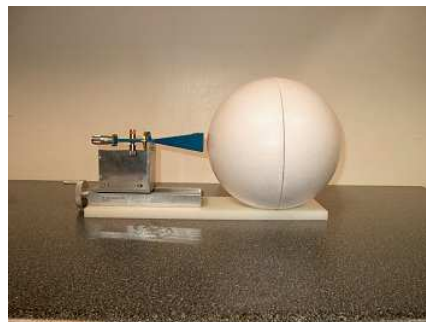
Mechanical Specifications

- Overall Size:
- Width: 22 cm
- Depth: 11 cm
- Height: 4 cm



Antenne a lente

- Convessa-convessa;
- Piana-convessa;
- Convessa-concava;
- Concava-piana;
- Concava-concava;
- Concava-convessa.



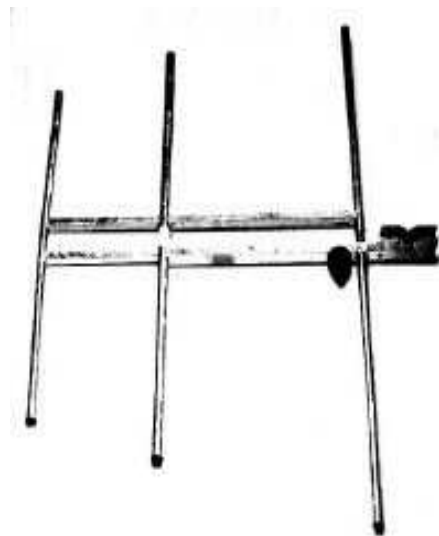
Antenne a schiera

- Yagi-Uda;
- Log-Array;
- Array di antenne di apertura;
- Array di antenne a patch.

Antenna Yagi a 3 elementi TV VHF

SPECIFICATIONS

- **Frequency range:**172 - 210 MHz
or 210 - 230 MHz
- **Max. power:**400 W
- **Impedance:**50 Ohm
- **Gain:**4,5 dB
- **Weight:**6 Kg.
- **Dimensions (WxDxH):**89x75x4
- **Max wind speed:**180 Km/h



Antenna a Dipoli Log Periodic (80MHz-1GHz)

Features

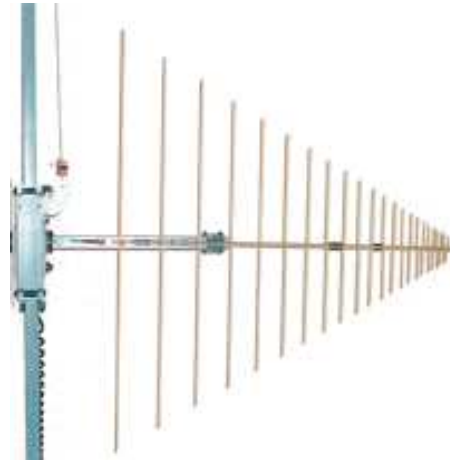
- Wide frequency range of 80 MHz to 1 GHz
- High power handling (2.5 kW)
- High efficiency and low loss
- Robust mechanical design

Applications

- Immunity Testing and Emissions Testing

Electrical Characteristics

- Gain: 5 - 6 dBi
- Polarization: Linear
- Power Handling: 2.5 kW (continuous)
- Impedance: 50 Ohms nominal
- **Mechanical Specifications**
- Dimensions: 142 cm L x 170 cm W x 5 cm H (14 cm with mount)
- Weight: 4 kg
- Construction: Aluminum with gold chromate finish



Antenna a Dipoli Log Periodic (80MHz-3GHz)

Features

- Wide frequency range of 80 MHz to 3 GHz
- Moderate power handling (500W)
- Robust mechanical and feed design

Applications

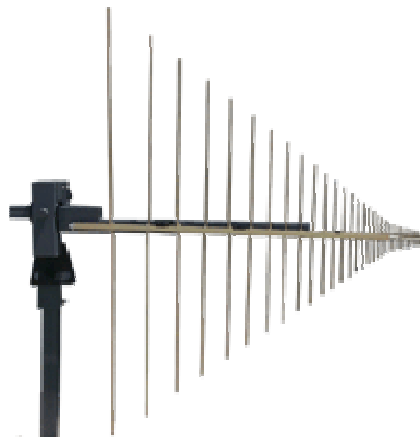
- Immunity Testing and Emissions Testing

Electrical Characteristics

- Frequency Range: 80 MHz to 3 GHz
- Gain: 6 – 8 dBi
- Polarization: Linear
- Power Handling: 500W CW
- Feedpoint Impedance: 50 ohm nominal

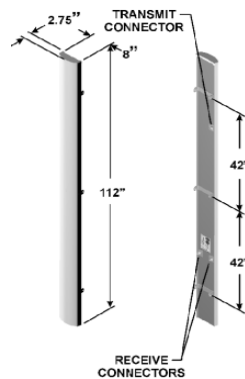
Mechanical Specifications

- Size: 155 cm x 170 cm (L x W)
- Weight: 4 kg
- Construction: Aluminum with gold chromate finish



Antenna per GSM- dual band

- 806 MHz - 1990 MHz
- Beamwidth 65°
- Gain 11.8 dBd (13.9 dBi)



High Power Biconical Antenna

Applications

- Immunity testing, and emissions measurements

Features

- Improved balun provides superior patterns and balance

Electrical Characteristics

- Frequency Range: 20 MHz to 300 MHz
- Power Handling: 3500 W continuous
- Feedpoint Impedance: 50 ohms nominal

Mechanical Specifications

- Size: 138 cm x 56 cm x 56 cm (W x D x H)
- Weight: 4 kg
- Construction: Aluminum

