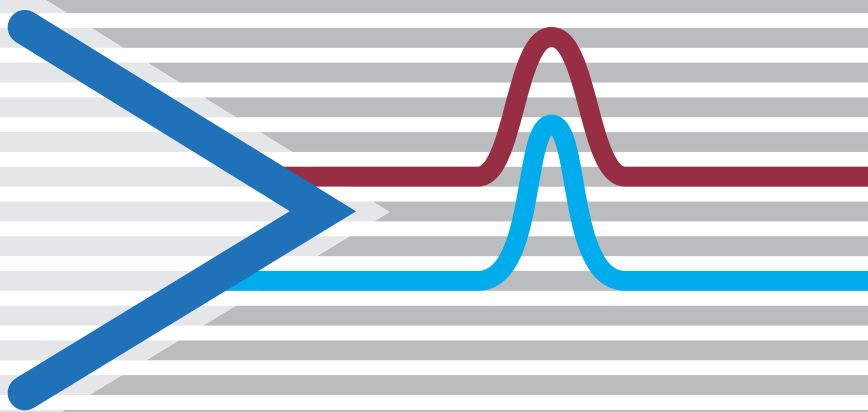


Antennas

PCD 8250



Highly Accurate Antenna for EMF Measurements

PRECISION CONICAL DIPOLE: PCD 8250

- ✓ Exposure evaluation of base stations
- ✓ RF-radiation safety measurements
- ✓ Research work
- ✓ Specially designed for **FIELD NOSE** system



The **PCD 8250** is a precision dipole antenna with conically shaped radiation elements. This construction enables the best dipole-like radiation pattern over a very large bandwidth up to 3 GHz. The precision balun with defined impedances guarantees best antenna symmetry, excellent VSWR and low coupling effects.



PCD 8250 antenna mounted on Field Nose rotator

Traceable EMF measurements:

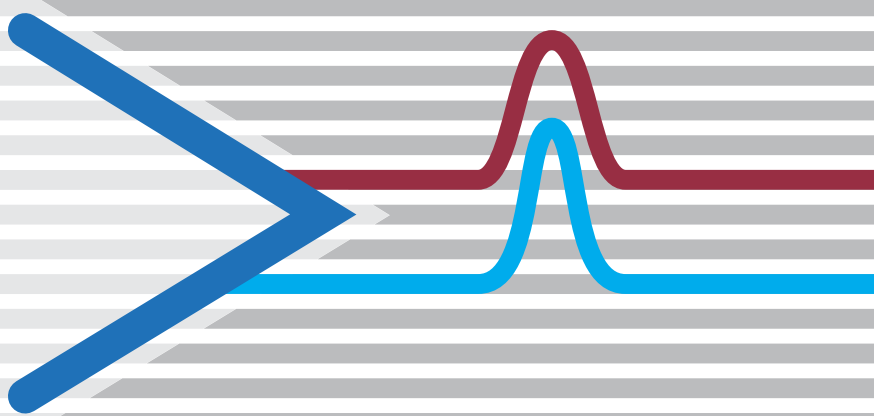
- ✓ Frequency selective measurement uncertainty calculation published at scientific conferences. Papers available at <http://itr.arcs.ac.at>;
- ✓ Accredited calibration of antenna according to ISO/EN 17025 requirements;
- ✓ Check of proper antenna function with **RefRad 3000** and antenna coupler CU 8250 prior to measurements;
- ✓ Balun design reduces coupling effects and guarantees performance stability which is important for measurements near conducting materials and close to persons;

Available Options:

- ✓ Radiation elements for 30 MHz to 1 GHz;
- ✓ Various antenna holders;
- ✓ Upgrade to **FIELD NOSE BASIC** set:
Automatic antenna rotator, cables, software NOSE for measurements, data evaluation and visualisation, packed in transport case with PCD antenna.

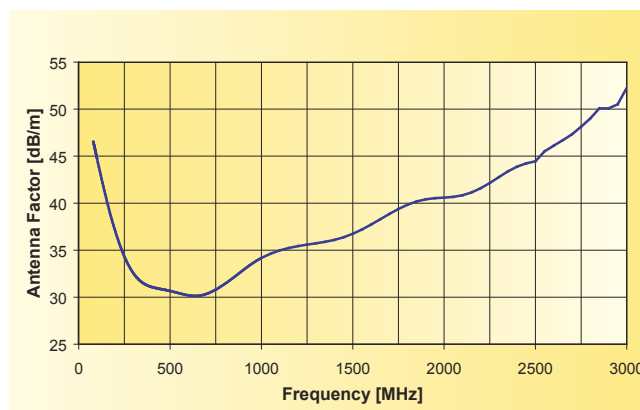
Antennas

PCD 8250

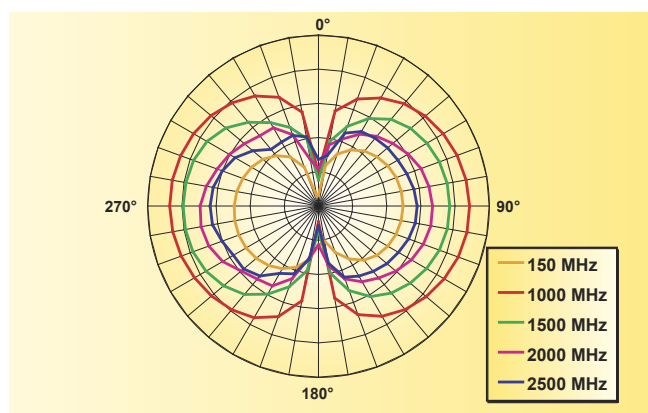


Technical data for PCD 8250

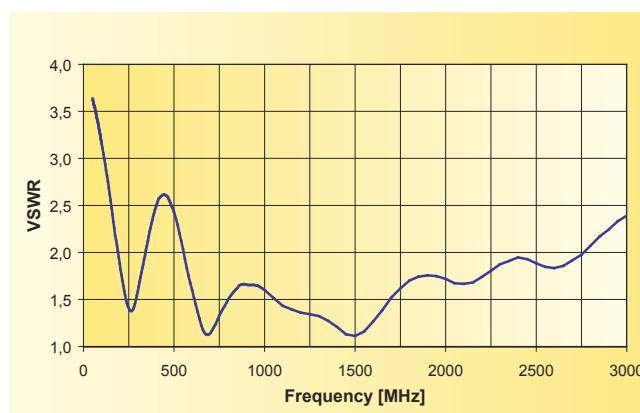
Frequency range:	80 MHz to 3 GHz, extendable to 30 MHz - 3 GHz
Antenna symmetry:	better than 0.15 dB
Max. input power:	23 dBm
Operating temperature:	5 to 40°C
Connector type:	SMA female
Antenna width:	130 mm
Support length:	128 mm
Antenna weight:	245 g
Typical sensitivity:	better than 1 mV/m Anritsu MS2711B (RBW 100kHz) and 5 m cable



Typical antenna factor of PCD 8250 antenna



Typical radiation pattern of PCD 8250 antenna



Typical VSWR of PCD 8250 antenna

Presented by:

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