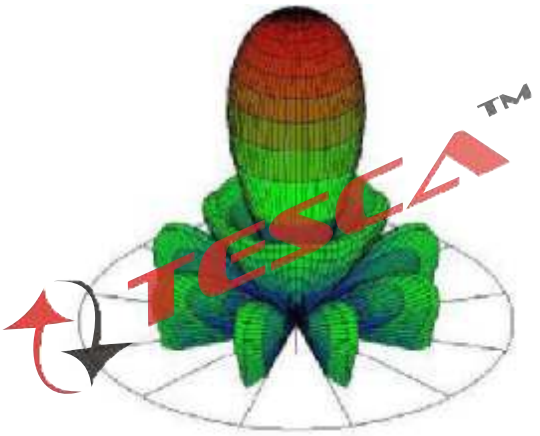
Order Code - 10014
Personal Computer Aided Antenna Design Software

PCAAD 5.0 is the newest version of the most popular general purpose antenna modeling software.

PCAAD 5.0 is a Windows-compatible antenna analysis, modeling, and design software package. It contains more than 40 separate routines treating wire antennas, aperture antennas, microstrip antennas, arrays, and transmission lines and waveguides. These routines are integrated into a menu-driven, user-friendly system allowing you to quickly evaluate impedance and patterns for a wide variety of antenna types. Some of the new features in Version 5.0 include the following:

- 3-D color pattern plots
- Impedance matching with Smith chart
- Analysis of circular planar arrays
- V-dipole antenna analysis
- Wire loop antenna analysis
- Log periodic dipole array analysis
- More general wire antenna geometries
- Ability to copy graphs to Windows clipboard
- Improved error checking
- Movable labels on pattern and Smith plots
- Improved plot resizing
- Color settings can be saved
- All wire geometries can be viewed in 3-D
- Plotting of E/H or E-theta/E-phi patterns
- Improvements to user interface
- Antenna Short Course included on CD



PCAAD's antenna analysis and design capabilities are listed below . . .

Array Antennas
Uniform linear array patterns
Linear subarray patterns
Uniform rectangular array patterns
Uniform circular array Patterns
Arbitrary planar array patterns
Infinite printed dipole array
Grating lobe diagram

Linear array pattern synthesis

Wire Antennas
Dipole antenna analysis .
RCS of wire dipole
V-dipole antenna analysis analysis
Loop antenna analysis analysis
Yagi array analysis
Finite dipole array analysis
Log-periodic dipole array design

Log-periodic dipole array analysis

Microstrip Antennas
Rectangular probe-fed patch
Rectangular line-fed patch analysis
Rectangular proximity-fed patch
Rectangular aperture coupled patch
Circular probe-fed patch analysis

General wire antenna analysis

Aperture Antennas
Line source patterns
E-plane sectoral horn patterns
H-plane sectoral horn patterns
Pyramidal horn patterns
Corrugated pyramidal horn patterns
Conical horn patterns
Corrugated conical horn patterns
Parabolic reflector (approximate)
Parabolic reflector (patterns)

Transmission
Microstrip line analysis and design
Covered microstrip line analysis
Stripline analysis and design
Coaxial line analysis
Rectangular waveguide analysis
Circular waveguide analysis
Surface waves analysis
Print current

Lines Plotting
Polar pattern plot
Rectangular pattern plot
3-D pattern plot
Smith chart plot
VSWR/Return Loss plot

Other
Copy current graph to clipboard
Window contents
Set plot colors Edit file Online help for PCAAD 5.0

PCAAD 5.0 is intended for use by engineers, students, and researchers who need quick solutions to common antenna design and analysis problems. If your work involves antennas,you will find PCAAD 5.0 to be invaluable.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in