

## COMPOSITE WALL COMPUTER SOFTWARE SPECIFICATIONS

Key Features of Software	COMPOSITE WALL Basic Edition (BE)	COMPOSITE WALL Professional Edition (PE)
<b>General</b>		
Maximum computation frequency	110 GHz	110 GHz
English or metric units user selectable	yes	yes
Data export function (ASCII) for quality graphics plotting in EXCEL	yes	yes
Maximum number of wall layers	15	15
Antenna polarization	Linear (parallel and perpendicular polarization)	Linear (parallel and perpendicular polarization) or circular polarization
<b>Calculated tables versus angle-of-incidence (for a fixed frequency)</b>		
Transmission coefficients (dB) vs. angle-of-incidence (on screen data)	Transmission from 0 to 85 degrees angle-of-incidence in 5 degree steps for linear polarization	Transmission from 0 to 85 degrees angle-of-incidence in 5 degree steps for linear or circular polarization
Axial ratio (dB) versus angle-of-incidence (on screen data)	n/a	Axial Ratio from 0 to 85 degrees angle-of-incidence in 5 degree steps for circular polarization only
Transmission coefficients (dB) versus angle-of-incidence (exportable data)	Transmission from 0 to 89 degrees angle-of-incidence in 1 degree steps for linear polarization	Transmission from 0 to 89 degrees angle-of-incidence in 1 degree steps for linear or circular polarization
Phase of transmission coefficients (deg) versus angle-of-incidence (exportable data)	Phase from 0 to 89 degrees angle-of-incidence in 1 degree steps for linear polarization only	Phase from 0 to 89 degrees angle-of-incidence in 1 degree steps for linear polarization only
Axial ratio (dB) versus angle-of-incidence (exportable data)	n/a	Axial Ratio from 0 to 89 degrees angle-of-incidence in 1 degree steps for circular polarization only
<b>Calculations versus frequency (for fixed angle of incidence)</b>		
Transmission coefficients (dB) versus frequency from Fl to Fh (on screen data)	Transmission coefficients in 18 equal frequency steps between Fl and Fh for linear polarization	Transmission coefficients in 18 equal frequency steps between Fl and Fh for linear or circular polarization
Axial ratio (dB) versus frequency from Fl to Fh (on screen data)	n/a	Axial ratio in 18 equal frequency steps between Fl and Fh for circular polarization only
Transmission coefficients (dB) versus frequency from Fl to Fh (exportable data)	Transmission coefficients in 0.1 GHz frequency steps between Fl and Fh for linear polarization	Transmission coefficients in 0.1 GHz frequency steps between Fl and Fh for linear or circular polarization
Phase of transmission coefficients (deg) versus frequency from Fl to Fh (exportable data)	Transmission phase in 0.1 GHz frequency steps between Fl and Fh for linear polarization only	Transmission phase in 0.1 GHz frequency steps between Fl and Fh for linear polarization only
Axial ratio (dB) versus frequency from Fl to Fh (exportable data)	n/a	Axial ratio in 0.1 GHz frequency steps between Fl and Fh for circular polarization only