

List of Symbols

Symbol	Description
ϵ	Permittivity
ϵ_o	Free Space Permittivity
ϵ_r	Relative Permittivity
ϵ_{eff}	Effective Permittivity
$\tilde{\epsilon}$	Permittivity Tensor
μ	Permeability
μ_o	Free Space Permeability
μ_r	Relative Permeability
μ_{eff}	Effective Permeability
$\tilde{\mu}$	Permeability Tensor
η	Wave Impedance
λ_o	Free Space Wavelength
ω	Angular Frequency
n	Refractive Index
B	Magnetic Flux Density
D	Electric Displacement Vector
E	Electric Field Vector
H	Magnetic Field Vector
k_o	Free Space Wavevector
S_{11}	Reflection Coefficient
S_{21}	Transmission Coefficient
R	Resistance
L	Inductor
C	Capcitance
$\tan \delta$	Loss Tanget
Z_{in}	Input Impedance
Z_o	Free Space Impedance
A	Absorptivity
f_r	Resonance Frequency
Δf	Full Width Half Maximum Frequency
Q_{rad}	Radiative Quality Factor
Q_{diss}	Dissipative Quality Factor
Δx	Random Displacement in x -direction
Δy	Random Displacement in y -direction
θ	Elevation Angle
ϕ	Azimuthal Angle
ϕ	Reflection Phase
E^i	Incident Electric Field
E^s	Scattered Electric Field

Symbol	Description
σ_r	RCS Reduction
θ_i	Incident Angle
θ_r	Reflected Angle
θ_t	Transmitted Angle
p	Periodicity
D	Disorder Parameter
$\frac{d\Phi}{dx}$	Phase gradient in x -direction
$\frac{d\Phi}{dy}$	Phase gradient in y -direction