

LIST OF ABBREVIATIONS AND SYMBOLS

CPI	Ceramic porcelain insulator
SEM	Scanning electron microscope
EDS	Energy Dispersive Spectroscopy
TGA	Thermo-gravimetric analysis
DTA	differential thermal analysis
XRD	X-ray diffraction
MOR	modulus of rupture
B.S	bending strength
L.S	linear shrinkage
W.A	water absorption
B.D	bulk density
W.L	weight loss
KV	kilovolt
KHz	kilo hertz
Hz	Hertz
MHz	Mega Hertz
GHz	Gega Hertz
Wt. %	Weight percentage
°C	Degree Centigrade
Min	Minute
$\tan\delta$	Loss Tangent or Dielectric Loss
μm	Micro Meter
F	Force
B	Breadth
L	Distance between two supports
Ω	ohm
F	Frequency
ϵ_0	Permittivity in free space
ϵ'_r	Relative dielectric permittivity

ϵ''	Dielectric loss factor
σ_{ac}	AC conductivity
ρ_{ac}	AC resistivity
ρ	Resistivity
C	Capacitance
mm	millimeter
α	Coefficient of Thermal Expansion
T	Temperature
β	Full width half maximum
θ	Bragg's angle
λ	X-ray wavelength
t	thickness

LIST OF SUBSCRIPTS

w_w	Wet Weight
S_w	Suspended Weight
D_w	Dry Weight