

List of Abbreviations

Abbreviation Full form

EM	Electromagnetic Waves
ME	Maxwell's Equations
S	Poynting Vector
P	Power of EM Waves
ds	Area element
dv	Volume element
dl	Line element
HF	High frequency
VHF	Very high frequency
UHF	Ultra-high frequency
GPS	Global positioning satellite
DTH	Direct to home
RCS	Radar cross-section
WAN	Wide area network
Wi-Fi	Wireless fidelity
FM	Frequency modulation
US	United States of America
MHz	Megahertz
GHz	Gigahertz
A	Absorption
R	Reflection
T	Transmission
EMI	Electromagnetic interference
EMC	Electromagnetic compatibility
SSMA	Salisbury screen microwave absorber
TLMA	Triple-layer microwave absorber
WBMA	Wire-based metamaterial absorber
TEM	Transverse Electromagnetic
TE	Transverse Electric
TM	Transverse Magnetic
RL	Return loss
L	Inductance
G	Conductance
R	Resistance
C	Capacitance
WBA	Wire-based absorber
MWBMA	Multiple wires based metamaterial absorber
WBMA	Wire-based metamaterial absorber
BW	Bandwidth
MBA	Material based absorber
BE	Bandwidth enhancement
Z_{FSS}	Impedance due to frequency selective surface
Z_d	Impedance due to material
DMBMA	Dielectric material based microwave absorber
TL	Transmission line
DNG	Double positive
ENG	Epsilon negative
MNG	Mu negative
EPS	Engineered planar structures
NBW	Normalized bandwidth

t _{fr}	Thickness of FR4 substrate
t _{fr1}	Thickness of FR4 substrate
Z _{ss}	Impedance of Salisbury Screen
t _{res}	Thickness of resistive sheet
ERR	Electric Ring Resonator
t _{sp}	Thickness of spacer

