Contents

List of Figures

List of Tables

List of Abbreviations

Abbreviation	Details
MICS	Medical implant Communication Service
ISM	Industrial Scientific and Medical
SAR	Specific Absorption Rate
FDTD	Finite Difference Time Domain
MoM	Method of Moment
FEM	Finite Element Method
PEC	Perfect Electric Conductor
HT	Hyperthermia
EBG	Electromagnetic Band Gap
AMC	Artificial Magnetic Conductor
FSS	Frequency Selective Surface
EFS	Effective Field Size
RF	Radio Frequency
DCC	Dual Concentric Conductor
PCB	Printed Circuit Board
UWB	Ultra-Wide Band
VNA	Vector Network Analyzer
TEL	Tissue Equivalent Liquid
DHT	Deep Hyperthermia
MW	Microwave
EM	Electromagnetic
TEM	Transverse Electromagnetic Field