

## LIST OF ABBREVIATIONS

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<b>Abbreviation</b>	<b>Details</b>
ABW	Absolute Bandwidth
BPF	Bandpass Filter
BSF	Bandstop Filter
CPW	Co-planar Waveguide
CST	Computer Simulation Technology
CSRR	Complimentary Split Ring Resonator
DGS	Defected Ground Structure
DMS	Defected Microstrip Structure
DRS	Double Radius Stub
FBW	Fractional Bandwidth
FCC	Federal communications commission
FEM	Finite Element Method
EM	Electromagnetic
GD	Group Delay
GPS	Global Positioning System
HPF	Highpass Filter
HFSS	High Frequency Structure Simulator
IBPF	Interdigital Bandpass Filter
IF	Intermediate Frequency
IL	Insertion Loss
LNA	Low Noise Amplifier
LPF	Lowpass Filter

MCL	Meandered Coupled-line
MMR	Multi-mode Resonator
MPA	Monopole Antenna
MWS	Microwave Studio
PBG	Photonic Bandgap
PCB	Printed Circuit Board
PMA	Planer Monopole Antenna
RL	Return Loss
RO	Roll-off
SFF	System Fidelity Factor
SI	Stepped-impedance
SIR	Stepped-impedance Resonator
SIW	Substrate-integrated Waveguide
SMA	SubMiniature Version-A
S/N	Signal-to-noise Ratio
UDGS	U-shaped DGS
UWB	Ultra-wideband
VNA	Vector Network Analyzer
VSWR	Voltage Standing Wave Ratio