

LIST OF ABBREVIATIONS

Abbreviation	Details
AW-NUSLA	Amplitude Weighted NUSLA
AW-TPA	Amplitude Weighted TPA
GA	Genetic Algorithm
GUI	Graphical User Interface
HPBW	Half Power Beam Width
IBc-GA	Improved Binary Coded GA
IW-PSO	Inertia Weighted PSO
MBC-GA	Modified Binary Coded GA
MFA	Multi-function Antenna
NUSLA	Non-uniformly Spaced Linear Antenna
NUSPA	Non-uniformly Spaced Planar Antenna
PSLL	Peak Side Lobe Level
PSO	Particle Swarm Optimization
RUSPA	Randomly Spaced Planar Antenna
SLL	Side Lobe Level
TLA	Thinned Linear Antenna
TPA	Thinned Planar Antenna
UE-NUSLA	Uniformly Excited NUSLA
UE-TPA	Uniformly Excited TPA