

LIST OF ABBREVIATIONS

Abbreviation	Details
UHF	Ultra high frequency
RFID	Radio frequency identification
Auto-ID	Automatic identification
OCR	Optical character recognition
ETC	Electronic toll collection
EVR	Electronic vehicle registration
AVI	Automatic vehicle identification
CP	Circular polarisation
ASIC	Application specific integrated circuit
IC	Integrated circuit
BAP	Battery assisted passive
EIRP	Equivalent isotropic radiated power
LF	Low frequency
HF	High frequency
SHF	Super high frequency
DC	Direct current
CMOS	Complementary metal-oxide semiconductor
LP	Linear polarisation
VNA	Vector network analyzer
AUT	Antenna under test
EM	Electromagnetic
ERP	Effective radiated power
GSM	Global system for mobile communications
IFF	Identify friend or foe
RADAR	Radio detection and ranging
RF	Radio frequency
PC	Personal computer
MIT	Massachusetts institute of technology
EPC	Electronic product code
DoD	Department of defense

FCC	Federal communications commission
UWB	Ultra wide band
ISM	Industrial, scientific & medical
AMC	Artificial magnetic conductor
PIFA	Planar inverted-F antenna
PBG	Photonic band gap
SRR	Split-ring resonator
MDA	Meander line dipole antenna
LDA	Linear dipole antenna
LHCP	Left hand circularly polarised
RHCP	Right hand circularly polarised
RCS	Radar cross section
HFSS	High frequency structure simulator
AR	Axial ratio