

LIST OF ABBREVIATIONS

BM	Butler Matrix
CW	Continuous Wave
E-Field	Electric Field
FFT	Fast Fourier Transform
FMCW	Frequency Modulated Continuous Wave
FR4	Flame Resistant 4
H-Field	Magnetic Field
HC	Hybrid Coupler
LPF	Low Pass Filter
mm-wave	Millimeter Wave
PPD	Progressive Phase Difference
RF	Radio Frequency
ROI	Region of Interest
RWG	Rectangular Waveguides
Rx	Received signal
SIW	Substrate Integrated Waveguide
SCR	Signal-to-Clattering Ratio
TE ₁₀	Transverse Electric mode 10
Tx	Transmit signal
ULA	Uniform Linear Array
UWB	Ultra-Wideband
VNA	Vector Network Analyzer
VSWR	Voltage Standing Wave Ratio