

LIST OF TABLES

Table 2.1 Material Parameter of Textiles.....	15
Table 2.2 List of Unlicensed National Information	16
Table 2.3 Electrical Properties of Phantom Components.....	18
Table 3.1 Antenna Specifications.....	20
Table 3. 2 Material Specifications.....	21
Table 3.3 Parameter Values Based on Calculation	25
Table 3.4 Final Dimensional Parameters	29
Table 3.5 Antenna Result before and after Optimization.....	32
Table 3.6 Parameter Values of Antenna with Wrist Phantom	33
Table 3.7 Parameter Values of Antenna with Chest Phantom	34
Table 3.8 Parameter Values of Antenna with Thigh Phantom.....	35
Table 3.9 Parameter Result for Bending Simulation.....	38
Table 3.10 Comparison Simulation Value of On and Off-Body Conditions ...	39
Table 4.1 Acquire Gain Measuring Results	48
Table 4.2 Polarization Type	49
Table 4.3 Azimuth Polarization Measurement Result.....	50
Table 4.4 Elevation Polarization Measurement Result	50
Table 4.5 Comparison of The Simulated Antenna to The Measured Antenna	51