Appendix C

Model Fitting for Proposed Phase Angle Equation
Figure c.1. Comparison between the Measured Phase Angle and Results of the Proposed Model for 64-22U

Figure c.2. Comparison between the Measured Phase Angle and Results of the Proposed Model for 64-22R
Figure c.3. Comparison between the Measured Phase Angle and Results of the Proposed Model for 64-22P

Figure c.4. Comparison between the Measured Phase Angle and Results of the Proposed Model for 70-22U
**Figure c.5.** Comparison between the Measured Phase Angle and Results of the Proposed Model for 70-22R

**Figure c.6.** Comparison between the Measured Phase Angle and Results of the Proposed Model for 70-22P
Figure c.7. Comparison between the Measured Phase Angle and Results of the Proposed Model for 76-22U

Figure c.8. Comparison between the Measured Phase Angle and Results of the Proposed Model for 76-22R
Figure c.9. Comparison between the Measured Phase Angle and Results of the Proposed Model for 76-22P

Figure c.10. Comparison between the Measured Phase Angle and Results of the Proposed Model for AUD3
Figure c.11. Comparison between the Measured Phase Angle and Results of the Proposed Model for AUD4

Figure c.12. Comparison between the Measured Phase Angle and Results of the Proposed Model for AUD5
**Figure c.13.** Comparison between the Measured Phase Angle and Results of the Proposed Model for ARD3

**Figure c.14.** Comparison between the Measured Phase Angle and Results of the Proposed Model for ARD4
Figure c.15. Comparison between the Measured Phase Angle and Results of the Proposed Model for ARD5

Figure c.16. Comparison between the Measured Phase Angle and Results of the Proposed Model for APD3
Figure c.17. Comparison between the Measured Phase Angle and Results of the Proposed Model for APD4

Figure c.18. Comparison between the Measured Phase Angle and Results of the Proposed Model for APD5
Figure c.19. Comparison between the Measured Phase Angle and Results of the Proposed Model for AUX3

Figure c.20. Comparison between the Measured Phase Angle and Results of the Proposed Model for AUX4
**Figure c.21.** Comparison between the Measured Phase Angle and Results of the Proposed Model for AUX5

**Figure c.22.** Comparison between the Measured Phase Angle and Results of the Proposed Model for ARX3
Figure c.23. Comparison between the Measured Phase Angle and Results of the Proposed Model for ARX4

Figure c.24. Comparison between the Measured Phase Angle and Results of the Proposed Model for ARX5
Figure c.25. Comparison between the Measured Phase Angle and Results of the Proposed Model for APX3

Figure c.26. Comparison between the Measured Phase Angle and Results of the Proposed Model for APX4
Figure c.27. Comparison between the Measured Phase Angle and Results of the Proposed Model for APX5