FLORIDA STATE UNIVERSITY FAMU-FSU COLLEGE OF ENGINEERING

EXPERIMENTAL INVESTIGATIONS OF TAPE-TO-TAPE CONTACT RESISTANCE AND ITS IMPACT ON CURRENT DISTRIBUTION AROUND LOCAL I_C DEGRADATIONS IN CORC® CABLES

By

VIRGINIA PHIFER

A Dissertation submitted to the Department of Mechanical Engineering in partial fulfilment of the requirement for the degree of Doctor of Philosophy Virginia Phifer defended this dissertation on January 18, 2023

The members of the supervisory committee were:

Lance Cooley
Professor Directing Dissertation

Sastry Pamidi
University Representative

David Larbalestier
Committee Member

Brandon Krick
Committee Member

Ulf Trociewitz

Committee Member

Ernesto Bosque

Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.