

Dr. Michael D. Foegelle received his Ph. D. in Physics from the University of Texas at Austin, where he performed theoretical and experimental research in both Condensed Matter Physics and Electromagnetic Compatibility (EMC). He performed contract EMC research with Dr. J. D. Gavenda of UT for IBM and RayProof where he helped to develop a semi-anechoic chamber modeling system. In 1994 he began working for EMCO in Austin Texas (now ETS-Lindgren) where he most recently held the position of Director of Technology Development. There he was integral to the development of hardware, software, and test methods for Wireless, RF, and EMC testing. In 2023, Michael accepted a position as Product Planner for Keysight Technologies' Over-the-Air Test Solutions Group. There, he has focused on the design and automation of compact antenna test ranges (CATRs) for evaluation and calibration of large phased array antennas and antenna systems, as well as new measurement technologies and methodologies for over-the-air testing of wireless devices.

Over the years, Michael has been involved in numerous national and international standards committees on EMC and wireless, including the ANSI ASC C63 working groups, the CTIA Certification Program Working Group on over-the-air performance testing of wireless devices, the IEEE 802.11 Task Group T for wireless performance prediction of 802.11 devices, the Wi-Fi Alliance Wi-Fi Mobile Convergence Group, the CTIA/Wi-Fi Alliance Converged Wireless Group, the WiMAX Forum's Radiated Performance Test working group, 3GPP RAN4, IEEE 149 Standard Test Procedures for Antennas, and IEEE 1720 Recommended Practice for Near-Field Antenna Measurements. He has served as chair or vice-chair of various working groups in those organizations and most recently co-chaired the CTIA MIMO OTA Subgroup and the CTIA Measurement Uncertainty Subgroup. He has contributed substantial draft text to many of those standards and was also the editor and principal contributor for the WiMAX Forum™ Radiated Performance Tests (RPT) for Subscriber and Mobile Stations test plan. Michael has authored or co-authored numerous papers in the areas of Electromagnetics, EMC, Wireless Performance Testing, and Condensed Matter Physics, holds dozens of patents on wireless and electromagnetic test methods and equipment, and is dedicated to advancing the state of the art in radiated RF testing of emerging wireless technologies.

Michael lives and works at his homestead on Orion Ranch in Oatmeal, TX with his wife, Machael. When he can find the time, he enjoys reading, movies, video games, working on his land, raising Texas Longhorn cattle, amateur photography, astrophotography, and visual astronomy at Orion Ranch Observatory.