

# Testing Capabilities



Parker Meggitt (Baltimore) has proven industry-leading experience with antenna and radome testing. For mechanical and environmental testing of materials, we make use of both in-house capabilities and nationally recognized and certified third party test facilities. Electrical test facilities enable complete antenna and radome electrical testing with performance verification and specialized environmental testing. Our extensive antenna radiation pattern and gain test facilities operate from 200 MHz to 60 GHz and include outdoor, indoor far-field, and compact range measurement. Far-field antenna test facilities include five fully equipped anechoic chambers and one load test chamber. Four of the anechoic chambers are 14' x 14' x 20' and have 2 foot diameter spherical quiet zones. A fifth 8' x 8' x 20' fully shielded anechoic chamber is used for both radiation pattern measurement and high power RF testing. The facility boasts a state-of-the-art compact antenna range specifically designed for Radar Cross Section (RCS) measurements and extremely precise radiation pattern and gain measurements. Lastly, Parker Meggitt has a 250' outdoor antenna range that has been approved for full-scale testing by the U.S. Navy.