

***Project Title: Distributed Antenna RF Test System (DARTS)***

***NSWC Crane: RF testing, antenna, antenna placement***

NSWC Crane has developed and disclosed a technology to provide a highly automated test system for spectrum testing. DARTS quickly and accurately measures the far-field patterns of antennas and antenna/vehicle combinations. Potential applications include vehicle testing for RF antenna characteristics or antenna placement, cell phone tower coverage testing, and potentially agriculture and construction uses. Current RF testing methods are labor intensive involving optical surveying equipment to determine survey points for antenna and vehicle placement. This item provides real time feedback on placement, movement, and attitude of vehicles and antennas. Technology has successfully been validated and verified with additional testing scheduled. NSWC Crane is seeking CRADA partner or licensee to further develop and/or commercialize this disclosed invention.

