

To: FCC

From: Brian Whaley on behalf of Artis, LCC, Herndon, VA

FRN: 0026411041

Form 442 File Number: 0992-EX-CN-2020

Subject: Form 442 Question 4: Government Project Description

This Radar unit will be tested as a potential cueing sensor for integration onto ground combat vehicles as part of the KEDS program that is being sponsored by the US Army RCCTO. The testing will consist of both stationary and mobile operation with one or more radar antennas. Stationary testing will occur at one of several commercial test ranges with one or more radar antennas down range and sensing various types of incoming projectiles that may be typically encountered by ground combat vehicles. In these tests, the radar will be evaluated on the ability to detect and track the incoming projectiles and to provide the appropriate cue to the secondary sensor and fire control systems. Mobile testing will focus on evaluating the sensitivity of the radar to environmental stimulus such as trees, telephone poles, nearby structures, other vehicles, etc. and will consist of one or more radar antennas mounted onto a vehicle platform and driven along routes of interest in and around various Artis facilities.