

Form 442 Question 7: Experimentation Description

Active Denial Technology is a breakthrough non-lethal technology that uses millimeter-wave electromagnetic energy to stop, deter, and turn back an advancing adversary from relatively long range.

An ADT system consists of an electrical power source, a device producing a beam of millimeter-wave energy, an antenna directing energy towards a target, and a beam transport connecting the source and antenna. Raytheon constructed a full-power, full-range demonstration system for vehicle-mounted technology integrating these elements. Users can assess the potential operational utility of ADT, demonstrate key technologies in a field environment, and perform large spot effects tests using the demonstration system.

The request for upping the power output (ERP) of our current license to 100 MegaWatts (ERP) is in support of "High Power Detected Energy Non-Lethal Systems".

This request is for Raytheon's system, and not contractual.