

Second Laureate Applied Research



- ◆ **Project Title:** ADVANCED ECCM AIRBORNE RADIO
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Abstract:

This radio is designed for air-to-ground and air-to-air communications. It can be used in all kind of aircrafts including fighters, transporters, and helicopters. It is a VHF/UHF ECCM radio protecting voice communications against electronic warfare threats and interference.

The novel ECCM technique used in this radio is based on frequency hopping (FH) and time hopping (TH).

Some features of radio include: VHF/UHF frequency coverage, AM, FM and FSK modulation, ADF mode, Built-in-Test (BIT), Free Channel Search (FCS) and built-in digital encryption to ensure a high level of security.

The radio is equipped with independent guard receiver to monitor international distress frequencies.

