

AMRAAM-ER DL FCC Experimental License Request

1 Purpose of Operation

Raytheon Integrated Defense Systems (IDS) to demonstrate High Speed Data line-of-sight data link. The power to the telemetry Antennas is generated from the telemetry Data Transmitting Set (TDS). The signal is Pulse code modulated with a bit rate of 4Mbit/second with a bandwidth of 4Mhz. The transmitter provides 5watts continuous, which is split with a power divider into two antennas on the missile, part number 7114123-1 one on top, one on the bottom. The antennas provide a circularly polarized omnidirectional pattern.

And:

Collection of telemetry data by ground stations

File Number: 0354-EX-PL-2015

- Class of Station: FX
- Station Locations: FIXED
- Effective: 08/01/2015
- Expiration: 08/01/2016

2 STA Explanation

As detailed in paragraph 1 above, Raytheon seeks this License in order to allow testing and technical demonstrations of the line-of-sight data link capability to support this program. **This License is for a technical demonstration.**