

TRANSMITTING EQUIPMENT

1. The GMTI Radar (EL/M-2022A) is a Multi-Mode Radar that operates in Ground Moving Target Indicator (GMTI) mode. Radar specifications:
 - Radar frequency = 9.1GHz
 - Transmit Peak Power = 3.5 kW
 - Antenna gain = 35.5dB
 - Antenna beam width AZ = 2.1°
 - Antenna beam width EL = 3.2°
 - Antenna Polarity = V
 - Radar Alt = 3000 – 5000 ft AGL

2. The Emergency Locator Transmitter (ELT) is an emergency beacon that uses a tracking transmitter to aid in the detection and location of aircraft in the event of an emergency loss of flight.
 - Operating Frequencies: 406.028MHz and ~~121.500MHz~~ (not used)
 - Modulation 406 MHz: Biphase L (16KOG1D)
 - Output Power: 5W for 24 hours at -20°C
 - Operating Range: -20 to +55 °C

3. The Flight Termination System Transmitter (Air-Eagle XLT PLUS TX) is a RF transmitter capable of sending two dry contact input commands to an XLT PLUS Receiver located up to 25 miles away.
 - Transmit Frequency: 900MHz Spread Spectrum
 - Transmitter Channels: 7 Independent Network Patterns
 - RF Output Power: 1W
 - Transmit Range: up to 2 miles with 3dB Omni Directional Base Antenna