

FLIGHT TERMINATION SYSTEM



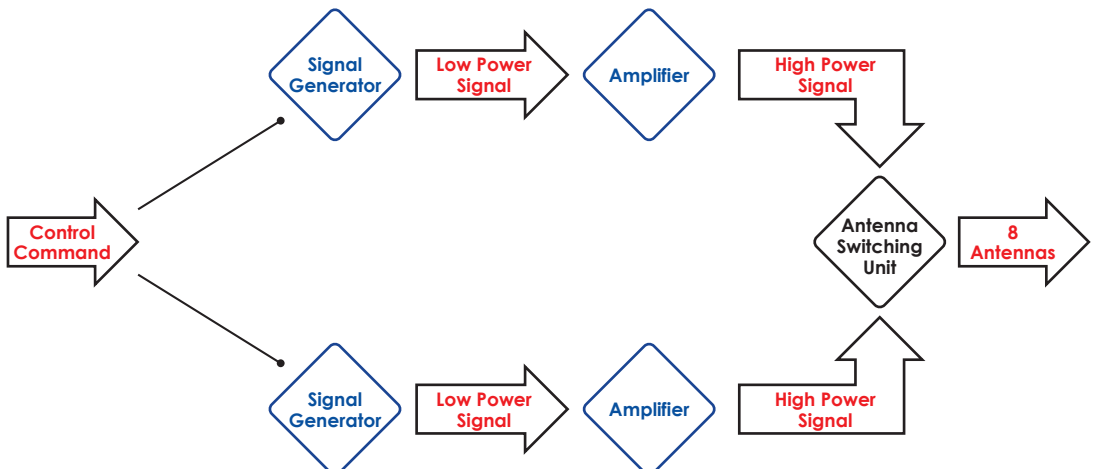
GENERAL DESCRIPTION

Flight Termination System is a fully redundant range safety and test system. Main function of the FTS is to send commands to the flight termination receivers on board when necessary. System is composed of redundant command consoles, signal generators, power amplifiers, antenna switching unit and antennas. The users can select in between redundant channels on the fly.

System Includes;

- **2 Control Panels**
- **2 Power Supply Units**
- **1 Control Unit**
- **1 Antenna Switching Unit (8 antennas)**
- **Associated Cabling**

Along with command consoles, optionally system can also be operated from PC through RS 232 interface. Software automatically connects to the selected serial port of PC. Related Tone A, B, C, D, SAFE, ARM, TERM settings can be done and operating mode can easily be tracked from GUI running on PC. Signal generator generates a tone-modulated RF signal in response to commands from the control console. Generated signal is amplified with RF HPA. Antenna switching unit consists of two latching type SPDT and SP4T switches. The system functions as DP8T Switch Box and selected channel output can be switched to the one of 8 antennas.



FLIGHT TERMINATION SYSTEM



Frequency Range

390 - 450 MHz

Operating Temperature

-30 °C to +60 °C

Max. RF Output Power

100 W / 250 W / 500 W / 1000 W

Input Voltage

180 - 264 VAC, 47-63 Hz

Tone Frequencies

20 IRIG Tones

RF Connectors

N-Type

Programming Interface

RS232

EMI / EMC

MIL-STD-461F

KEY SPECIFICATIONS

- Programmable RF center frequency
- Programmable tone frequencies
- 4 Tone Outputs
- Full Redundancy
2 RF Outputs, 2 Power Supply Units
- Antenna switching unit available for
Various Antenna Options
- RF output fault detection
- Programming interface for monitor
and control power output levels,
switching RF outputs and antennas
- Output command verification
- Supports 20 IRIG Tones
- Easy and Safe Maintenance
- RCC 319-14 Compatible

