



TECHNICAL SPECIFICATION  
SDT 5000  
050-002-0025R01

## **SDT5000 Technical Specifications**

**Receive Frequency:** 1525 MHz to 1559 MHz

**Transmit Frequency:** 1626.5 MHz to 1660.5 MHz

**Transmit Power into Antenna:** +34 dBm

**Modulation:** QPSK root-raised-cosine, roll-off factor = 1.6. (6.75Kb/s data rate)

**Frequency Stability:**  $f_c \pm 100$  Hz max (transmit frequency is frequency locked to received satellite signal)

**Antenna Gain:** 11.7dB max

**Power Requirements:** Nominal 13.6VDC, 9VDC to 22VDC