

Mobile Satellite Services Terminal

Satellite Mobile Radio (Handheld Terminal for Two-Way Voice and Text Message Comm.)

Features

- Support voice communication between terminal and any other telecom network PSTN & Mobile network
- Small message communication between terminals
- Handheld with Size: 155 x 200 x 80 mm
- Weight: 1.25 Kg

Specifications

- Antenna with 2.5 dBi gain over ± 45 deg
- Terminal EIRP: 0.5 dBW at 1 W power amplifier
- Terminal G/T: -23.0 dB/0K
- Voice compression at 2.4 Kbps gives voice quality better than 3.5 MOS
- Transmission rate: 2.7 Kbps
- Convolution Rate $\frac{1}{2}$ forward error correction
- BPSK/QPSK Modulation
- Band width required: 3.7 KHz
- Channel spacing: 10.0 KHz



Major Applications

- Voice communication
 - Terminal to Terminal
 - Terminal to PSTN/Mobile Network
 - PSTN/Mobile Network to Terminal
- Small Text Message Communication

