



## MOBILE SATELLITE SERVICES TERMINAL

### BROADCAST RECEIVER

*(Handheld Receive only Terminal for  
multichannel reception of Audio and video)*

#### Applications

- Multichannel Reception of Audio , video & Data (From Hub to terminal)
- Usable on moving vehicles

#### Salient Features

- Reconfigurable DVB-S Receiver: 512 Kbps to 5.5 MSPS
- USB Powered
- Supports Windows / Android OS
- Power Consumption: < 1.8W
- Weight: 180gm (Without tablet/ display)
- Broadcast Receiver for multichannel video, news, emergency message etc.

#### Specification

- Single patch antenna having 2.5dBi gain over  $\pm 45$  deg.
- Terminal G/T: -23.0 dB/K
- DVB-S Waveform: QPSK Modulation with 1/2 Convolution + RS encoding (204,188)
- B/W required: 1.5 MHz @ 1.024 Mbps
- Single carrier broadcast

### Technology Transfer

SAC/ISRO offers to transfer this technology of the **Mobile Satellite Services Terminal - Broadcast Receiver** developed by SAC to industries in India with adequate experience and facilities. Enterprises interested in obtaining knowhow may register and submit their proposal to IN-SPACE, Ahmedabad at [www.inspace.gov.in](http://www.inspace.gov.in)

#### For more details, Contact:

Technology Transfer & Industry Interface Division (TTID), PPEG  
Space Applications Centre (SAC), ISRO  
Ambawadi Vistar, Jodhpur Tekra, Ahmedabad - 380 015  
Email: [ttid@sac.isro.gov.in](mailto:ttid@sac.isro.gov.in)  
[https://www.sac.gov.in/SAC\\_Industry\\_Portal](https://www.sac.gov.in/SAC_Industry_Portal)

