

Monitor your wideband, SCPC and Beacons remotely with the affordable RCM-2300 monitors. Your 1 MHz to 2500 MHz monitoring solution!!



## 1 MHz – 2500 MHz Carrier Monitor

DTI's Remote Carrier Monitor products provide an economical solution for remote signal monitoring & analysis. Perfect for detecting and recording signal interference or verifying known signals from one or multiple remote locations. The RCM-2300 is an excellent solution for offsite troubleshooting, monitoring, and basic analysis.

### Technical Specifications

Frequency Coverage:	1 MHz – 2500 MHz
Span Width:	0 - 500 MHz / Variable
Resolution Bandwidth:	3 MHz 1 MHz 300 kHz 100 kHz 10 kHz
RF Sensitivity:	Greater than - 95 dBm Typical
Reference Levels:	Selectable - 10 to - 60 dBm in 10 dB steps
Scale:	5 dB/Div
Dynamic Range:	40 dB on Application Window
Amplitude Accuracy:	+/- 2 dB typical
Frequency Accuracy:	+/- 1 kHz typical
Input Connector:	BNC, 50 Ohm standard
Size:	1 Standard EIA Rack Unit 19" W x 1.75" H x 16" D
Power Requirements:	85 - 265 VAC 50/60 Hz
Display:	Windows based DTI Graphical User Interface

### Optional Configuration & Accessories

<b>RCM-2300-2</b>	2 RF Input
<b>RCM-2300-4</b>	4 RF Input
<b>RCM-2300-6</b>	6 RF Input

Switch isolation- 65 dB

The RCM-2300 is the perfect solution for easy remote monitoring of carriers. (1 MHz to 2500 MHz) The Model 2300 monitors include the latest digital technology incorporating our new *digisweep* RF engine. The RCM-2300 is monitored in real time from a central location on your network, using a standard PC. You save time and money by allowing the Engineer or Technician to quickly monitor and troubleshoot a problem remotely without sending personnel to the site. This solution is "plug and play". The Ethernet RJ-45 port enables a network connection to the company's LAN/WAN or other IP network resource. The RCM-2300 provides an extremely flexible and cost-effective way to network-enable one or many RCM-2300 units and monitor them from a central location.

### Features & Benefits

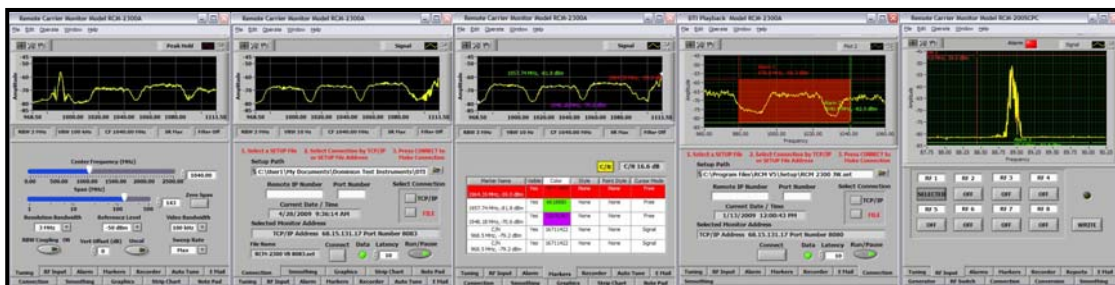
- Tuning and sweep accuracy w/ DIGISWEEP
- Low profile 1RU rack mount design
- Variable reference levels
- Center frequency tuning
- Variable span width
- Variable sweep rate
- Video Bandwidth Filtering
- Zero span
- 5 resolution bandwidths 3 MHz to 10 kHz
- Coupled and uncoupled RBW selection mode
- Multiple input options
- Waveform mask alarm feature
- Ethernet ready, internet ready
- Unlimited ability to save and recall user setups
- Alarm triggered/event triggered recording
- Playback with event cues
- User defined averaging & mean filter features

\* contact DTI for your application

### Applications

- Teleport Carrier Monitoring • Broadcast TV Stations
- Monitoring Oil Rig Data Carriers • Satellite News Gathering • Portable Fly-Aways
- Amateur Radio Applications

Specifications subject to change  
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DOMINION TEST INSTRUMENTS

## Model RCM-2300



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### New 5.0.07 Control Additions!

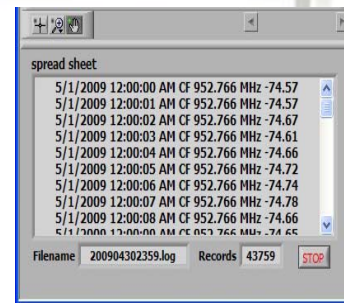
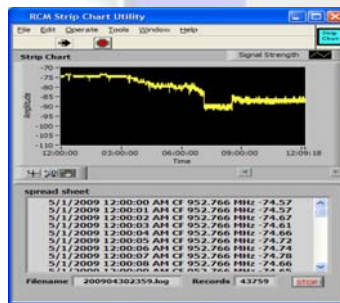
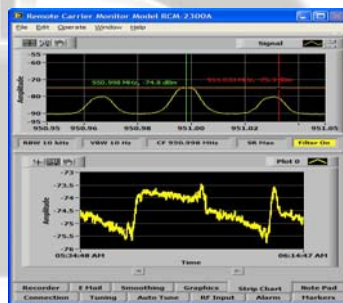
#### **Auto Tune Feature**

Allows the user to define multiple setups of IP location, RF switch inputs, center frequency, reference level, span width etc... This is an excellent tool for monitoring both multiple locations (Remote Carrier Monitors / locations) multiple RF inputs and center frequencies setups automatically. Currently limited to 25 IP / locations and / or user defined setups.



#### **Strip Chart Feature/ Log utility**

The strip chart panel allows a user to monitor the amplitude of a selected signal and display the amplitude on amplitude vs. time strip chart. The user can then recall the data for analysis.



The Strip charting log utility allows for recording of center frequency amplitude. Events are recorded and presented on time based event chart. Additional logging feature allows for tab delimited file that can be imported into your favorite spreadsheet program. The log files can be automatically saved and restarted on a daily basis and pulled up later for review of signal performance.

#### **Video Bandwidth Filter**

The video bandwidth allows the user to select multiple video bandwidth filter settings

#### **Variable Sweep Rate**

The sweep rate feature allows the user to select various sweep rate settings

#### **Instant Zero Span**

One button activation for quick amplitude measurement

#### **RBW Coupling**

Selectable RBW coupling allows for optimum span setting / can be disabled for free span selection.

#### **IP Utility Toolbox**

New IP toolbox for quick IP set up /configuration and network identification