Integrated dispatch solution for MOTOTRBO™

SmartPTT System Monitoring

SmartPTT System Monitoring is a tool for in-depth analysis and control of connected MOTOTRBO infrastructure. SmartPTT System Monitoring allows real time evaluation of the end-user´s radio network for system health analysis and the prevention of downtime.

FUNCTIONALITY

- Real Time Monitoring (RCEM, ATIA)
- Hardware Diagnostics
- Network Topology
- Alarm Log & Notifications
- Repeater Control
- Coverage Map
- Monitoring Reports
- Alarm notifications via TMS, email, SNMP, and SMS

PROVIDED INFORMATION

RSSI – received signal strength indicator
Type of transmission: ARS, GPS, Text,voice Call, emergency, etc.
Transmission duration
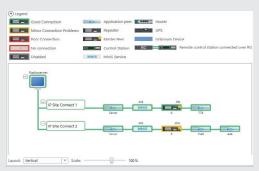Caller and Receiver IDs
Repeater ID
Repeater alarms

SUPPORTED MOTOTRBO SYSTEMS

Digital conventional repeater
IP Site Connect
Capacity Plus Single Site
Capacity Plus Multi-Site (LCP)
Capacity Max*

- Available as an integrated option within SmartPTT Enterprise or SmartPTT PLUS.

* - Capacity Max only supports Air Monitoring, Coverage Map, Air Monitoring Report, and System Usage Report. Topology, Diagnostics with Alarms, Repeater Control features, and other reports are not supported.

AIR MONITORING

Graphical representation of voice and data activity received from MOTOTRBO repeaters allows watching over the system in real time. Flowing bars representing the activity and signal level are displayed for each connected channel individually and in aggregated view. The bar height corresponds to the received signal strength.

NETWORK TOPOLOGY

Network topology is defined automatically or by means of the Radioserver Configuration tool and presented in the dispatcher console displaying the network structure and workload percentage of each repeater. The network structure includes all MOTOTRBO repeaters and software peers arranged by the specific of the connected systems. each Capacity Plus or IP Site Connect system is represented by a separate branch with the number of corresponding repeaters.

ALARM LOG & NOTIFICATION

One of the best ways to learn about alarms. The service informs about a repeater failure or about the status of IP routers or backup power sources. events with critical, high, or minor severity are highlighted red, pink, and yellow respectively. Alarm Log provides the ability to view saved events for some particular time period as well. A flexible notification system allows to notify system administrators via email or text message in case of any issues with a network.

COVERAGE MAP

Graphical representation of network coverage area based on RSSI level of the received signals from GPS-enabled MOTOTRBO radios.

HARDWARE DIAGNOSTICS

Information about current state of connected MOTOTRBO repeaters, system infrastructure (UPS, routers, servers) monitoring via SNMP, hardware failures logging.

REPEATER CONTROL

Remote repeater administration for connected MOTOTRBO repeaters (channel change, power level settings, enabling and disabling).

MONITORING ANALYTICS AND REPORTS

Graphical representing and reporting on the collected and filtered monitoring data. Reports provide information about MOTOTRBO repeater radio ID, source and destination subscriber radio ID or talk group ID, event duration, event type, RSSI, etc.