RCS400

ISDB-T

HIGHEST PERFORMANCE WITH AN INTUITIVE MANAGEMENT

ADVANCED REAL TIME MONITORING OF 4 MUX OVER IP/ASI AND RF INPUTS

PROFESSIONAL MONITORING:

RF ANALYSIS
- Real Time spectrum
- Two ways of operation: channel analysis or multiple channel polling
- Signal quality measurements: Power, C/N, MER, Pre-BER (by layer), Post-BER (by layer), Echoes, and Shoulders
- Alarm log (real time) and representation (time evolution)

TS ANALYSIS
- Bitrate
- Level 1, 2 priority error analysis
- Table repetition and quality analysis
- Services treeview

AND MUCH MORE...
- Video thumbnails
- 4 RF input, 4 ASI input , 2 ASI output, and HDMI audio/video output
- Ethernet connectivity
- Full historial measurements with alarm analysis
- 1 PPS & 10 MHz synchronization inputs
- HTML5 control application
- SNMP v2.0 alarms

OPTIONAL FEATURES

- ✓ IP (TSoIP) INPUT with VLAN and IGMP support
- ✓ Redundant IP INPUT
- ✓ Advanced Measurements
  (Full Spectrum, Constellation, Frequency offset)
- ✓ Extended TS Analysis
  (Level 3 priority errors, PCR Jitter, Network Delay)
- ✓ BTS Analysis
- ✓ TS Recording
  (Manual and alarm triggered)
- ✓ Live Streaming
- ✓ PID monitoring
- ✓ Bit rate monitoring

GSERTEL

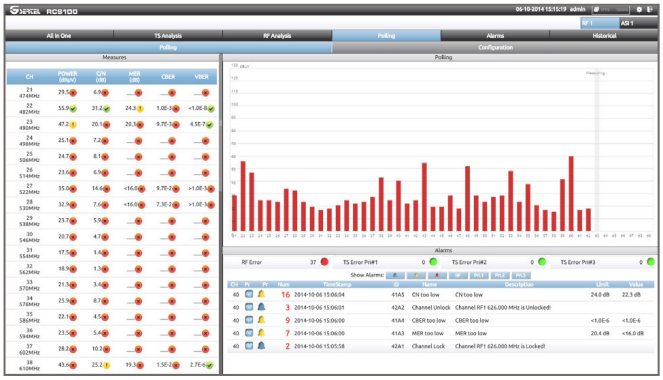
RCS400

ADVANCED REMOTE MONITORING SYSTEM
FOR ISDB-T

MANAGEMENT SYSTEM

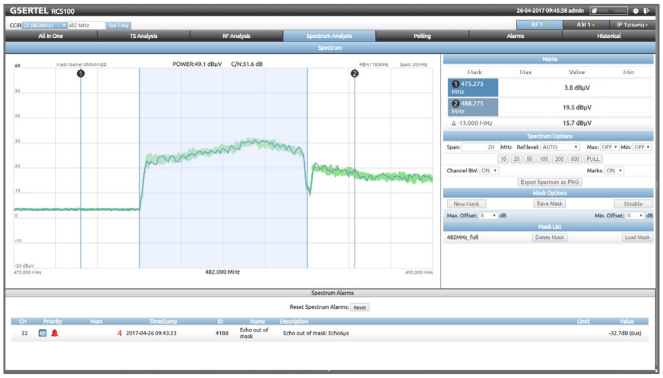
ALL IN ONE

Shows an overview of the channel status on one screen. It shows spectrum, services, measurements, alarms, Pids. All integrated in a single view for quick analysis



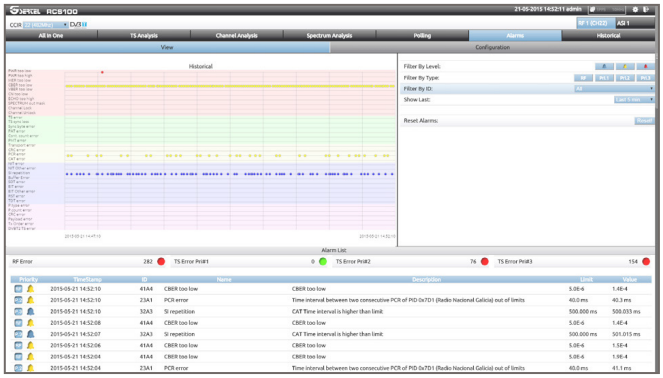
POLLING

Continuous measuring of an user-defined number of channels



FULL SPECTRUM (OPT.)

Represents realtime spectrum of the monitorized channel with detailed measurements, mask, max. and min. hold features



ALARMS

Represents the alarms counter during an user-selected period of time

SPECIFICATIONS

Standards
ARIB STD-B31 (ISDB-T/Tb)

Inputs
RF: 4 x 50 Ω N connector
RF Input Frequency:
47MHz to 1GHz
SYNC: 1 x 1PPS BNC 50 Ω
10Mhz BNC 50 Ω
TS: 4 x ASI IN BNC 75Ω.
IP: 2 x GE RJ45 (TSoIP) (opt.)

Outputs
TS: 2x ASI OUT BNC 75Ω
A/V: 1 x HDMI

RF Measurements
20 MHz Spectrum
Power, C/N, Shoulders
MER, CBER, VBER
Pre-BER (by layer) and Post-BER (by layer)
Frequency Offset (opt.)
Constellationn (opt.)
Echoes
Full Spectrum (opt.)

MPEG Measuremenst
Level 1,2 y 3 priority errors (level 3 opt.)
Alarms log analysis
PCR Jitter (opt.)
Network delay (opt.)
MIP maximum network delay (opt.)
BTS Analysis

IP flow measurements (opt.)
Packet arrival max. & min
IP & UDP payload bitrate
Media loss rate
Loss IP frames
Corrected IP frames

Mechanical characteristics
1U 19" rackable unit
Size: 482mm W x 348mm D x 41mm H
Working temperature: 0 a 40 °C
Storage temperature.: 0 a 50 °C

Electrical Characteristics
Input 100 - 240 VAC 50-60Hz 1.4A

Interfaces
1 x USB 2.0
1 x Ethernet RJ45
LCD Graphic display
HDMI

Control protocols
HTML and SNMP

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