RCS 100

MONITORING SYSTEM FOR DVB-C NETWORKS
TO ANALYZE AND ENSURE THE QUALITY OF THE NETWORK

PROFESSIONAL MONITORING:

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

TS ANALYSIS
- Bitrate analysis
- Level1, 2 priority error analysis as TR 101 290 recommendations
- Table repetition and quality analysis
- Services treeview

AND MUCH MORE...
- Video thumbnails
- 1 RF input, 1 ASI input, 1 ASI output, and HDMI audio/video output
- Ethernet connectivity
- Full historial measurements with alarm analysis
- 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)
- ✓ Extended TS Analysis
  (Level 3 priority errors, PCR Jitter)
- ✓ TS Recording
  (Manual and alarm triggered)
- ✓ Live Streaming
- ✓ PID monitoring
- ✓ Bit rate monitoring

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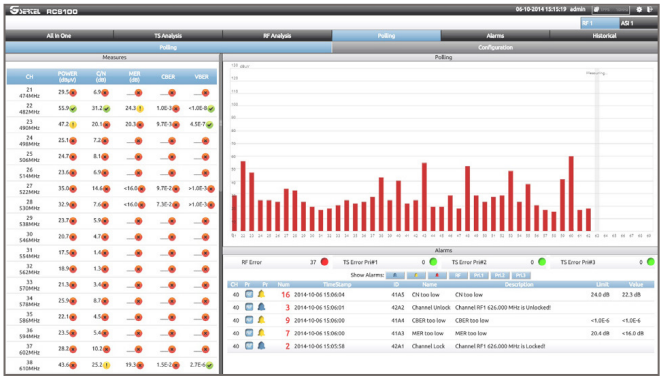
RCS 100

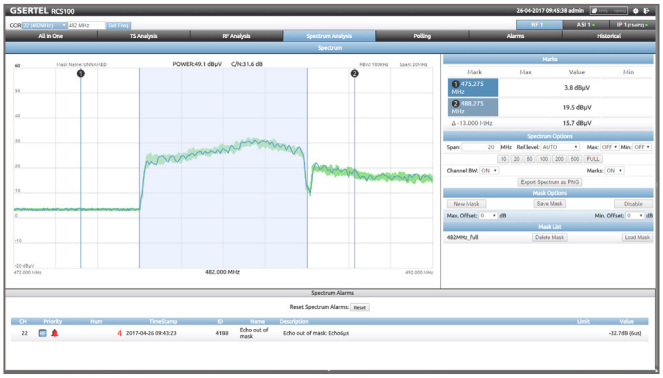
ADVANCED REMOTE MONITORING SYSTEM
FOR DVB-C

MANAGEMENT SYSTEM

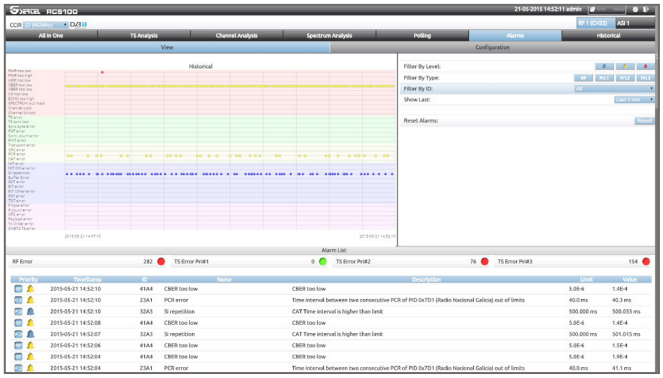
ALL IN ONE
Shows an overview of the channel status on one screen. It shows spectrum, services, measurements, alarms, Pids. All integrated in a single view for quick analysis



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
ETSI TR 101 290
ETSI EN 300 429 (DVB-C)

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

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

RF Measurements
20 MHz Spectrum
Power, C/N
MER
Pre-BER (Annex B) and Post-BER (Annex B)
Constellationn (opt.)
Full Spectrum (opt.)

MPEG Measurements
Level 1,2 y 3 priority errors (level 3 opt.) TR 101 290
Alarms log analysis
PCR Jitter (opt.)

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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