

RCS 100

DVB-T

DVB-T2

MONITORING SYSTEM FOR DVB-T/T2 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, BER, MER, Echoes DVB-T, shoulders
- DVB-T2 Templates
- Alarm log (real time) and representation (time evolution)

TS ANALYSIS

- Bitrate
- 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
- 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, SFN Drift DVB-T/T2, frequency offset)
- ✓ Extended TS Analysis
(Level 3 priority errors, PCR Jitter, Network Delay)
- ✓ T2-MI Analysis
- ✓ TS Recording
(Manual and alarm triggered)
- ✓ Live Streaming
- ✓ PID monitoring
- ✓ Bit rate monitoring

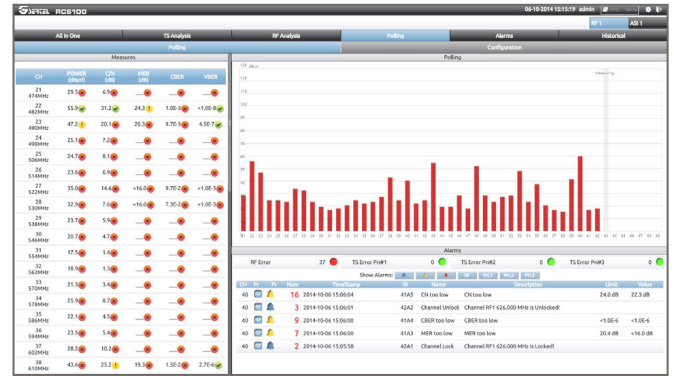
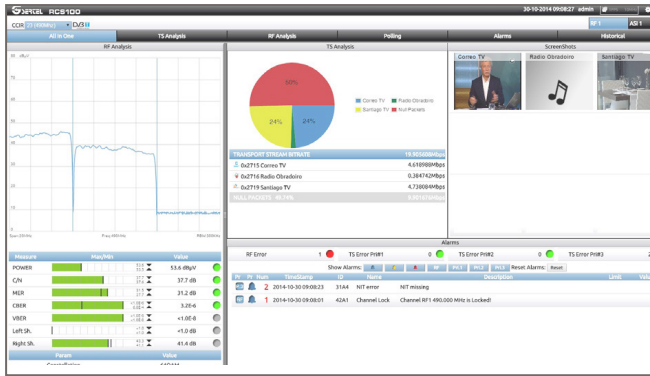
GSERTEL

RCS 100

ADVANCED REMOTE MONITORING SYSTEM FOR DVB-T/T2



MANAGEMENT SYSTEM

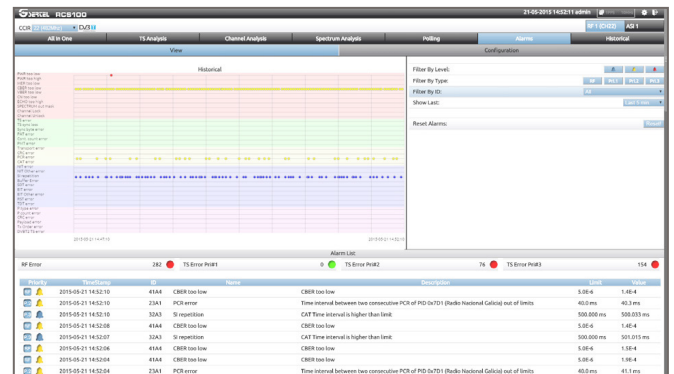
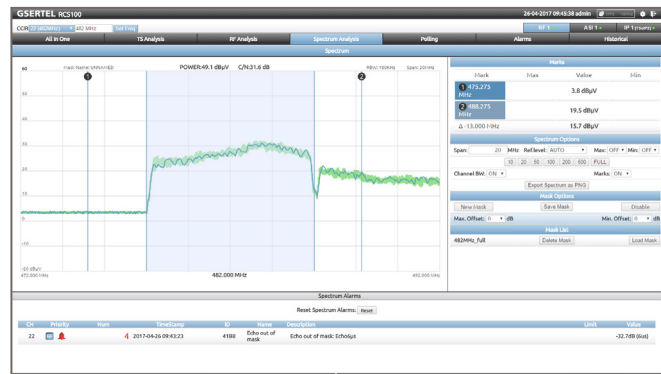


ALL IN ONE

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 monitored 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 EN 300 744 (DVB-T) ETSI EN 302 755 (DVB-T2)	RF Measurements 20 MHz Spectrum Power, C/N, Shoulders MER, CBER, VBER Link Margin, BCHBER, LDPCBER Frequency Offset (opt.) Constellationn (opt.) Echoes Full Spectrum (opt.)
Inputs RF: 1 x 50 Ω N connector RF Input Frequency: 47MHz to 1GHz SYNC: 1 x 1PPS BNC 50 Ω 10MHz BNC 50 Ω TS: 1 x ASI IN BNC 75Ω IP: 2 x GE RJ45 (TSoIP) (opt.)	MPEG Measuremenst Level 1,2 y 3 priority errors (level 3 opt.) TR 101 290 Alarms log analysis PCR Jitter (opt.) Network delay (opt.) MIP maximum network delay (opt.) T2-MI Analysis (opt.) SFN Drift DVB-T(opt.) and SFN Drift DVB-T2 (opt.)

IP flow measurements (opt.) Packet arrival max. & min IP & UDP payload bitrate Media loss rate Loss IP frames Corrected IP frames	Electrical Characteristics Input 100 - 240 VAC 50-60Hz 1.4A
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	Interfaces 1 x USB 2.0 1 x Ethernet RJ45 LCD Graphic display HDMI
	Control protocols HTML and SNMP