

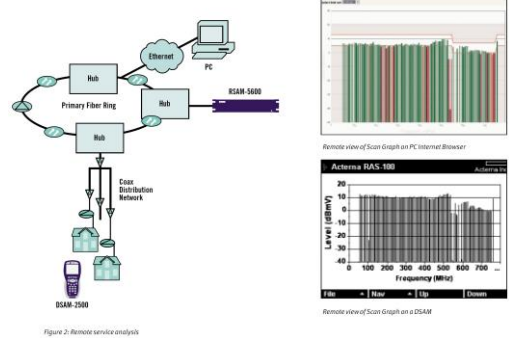
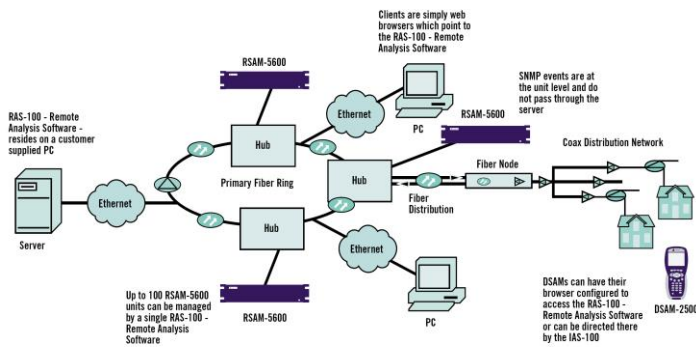
VIAVI RSAM 5800XT

REMOTE SERVICE ANALYZER MODULE

Enter the Acterna RSAM-5800XT Remote Service Analyzer Module - providing remote analysis of forward path digital and analog signals and specifically designed for deployment in remote, un-manned hub sites or headend locations.



- Remote Monitoring of analog, digital and Docusis signals
- Remote, web browser interface
- Quick comparison of field to headend results
- Instant access to remote sites
- Comprehensive Full-Scan-Report
- Daily Digital Quick Check of system performance at the press of a button
- Designed and priced to meet the needs of remote hub sites
- Continuous monitoring with SNMP threshold alarming integrates with OSS and NMS - helps find and fix problems before customers complain
- Performance History in MySQL database



MODEL	DESCRIPTION
RSAM-5800XTA	Remote Service Analyzer Module, 4 - 1000 MHz, 8 MHz channel spacing
OPTIONAL	
RSAM-MPEG	MPEG Capability – factory installed/upgrade
RSAM-MPEG-UPG	MPEG Capability – factory installed/upgrade
ISS 5116	16 x 1 RF Input selector switch for RSAM – 20 MHz to 1 GHz
PVM Server SW	Path Trek Video Monitoring Server and Client – includes 5 clients – Web Access for life troubleshooting and performance history.
PVM Client SW	Path Trek Video Monitoring (PVM) Client SW – Configuration and access for RSM 5700/5800XT measurements



Single Channel Report of a digital channel



All Channels Report of analog channels



Custom build hierarchies to fit your network



On Demand Report from remote sites

FREQUENCY	
Range	50 ... 1000 MHz
Accuracy	± 10 ppm at 25°C
Tuning resolution	analog: 10 KHz; digital: 50 KHz
Channel bandwidth	RSAM-5800XTA 8 MHz
LEVEL MEASUREMENT, ANALOG	
Signal types	CW, Video & Audio (INTSC, PAL & SECAM)
Range	- 40 ... +60 dBmV
Resolution	0,1 dB
Resolution bandwidth	280 kHz
Accuracy	± 1,5 dB typ. @ 25°C
LEVEL MEASUREMENT, DIGITAL	
Modulation types	QPSK, QAM (16, 64, 256)
Range	- 40 ... +60 dBmV
Resolution	0,1 dB
Resolution bandwidth	280 kHz
Accuracy	± 2 dB typ. @ 25°C
DOWNSTREAM QAM-DEMODULATION	
Modulation type	64 & 256 QAM, ITU-TJ.83 Annex A, B, or C (selectable)
Input range (lock range)	- 15 ... + 50 dBmV total (for QAM 256)
BER	Pre- and Post-FEC 10 to 10
MER	Range 64 QAM: 21 ... 35 dB Accuracy: ± 2 dB (typ.) Range 256 QAM: 28 to 35 dB Accuracy: ± 2 dB (typ.)
EVM	Range 64 QAM: 1,2 % ... 5,8 % Accuracy: ± 0,5 (1,2 % ... 2,0 %) ± 1,0 % (2,1 ... 4,0 %) ± 1,4 % (4,1 ... 5,8 %) Range 256 QAM: 1,1 % to 2,4 % Accuracy: ± 0,6 %
Symbol rate	Annex A, 5,057 ... 6,952 Msps for 64 & 256 QAM Annex B, 5,057 Msps for 64 QAM & 5,361 Msps for 256 QAM Annex C, 5,274 Msps for 64 QAM & 5,361 Msps for 256 QAM
STANDARD COMPLIANCE	
Shock and vibration	IEC 60068
Drop	IEC 61010
INTERFACES	
RF	75 Ohm, F81 or BNC Option Max. sustained voltage 100 VAC, 140 DC
RS232	Standard via DB9
Ethernet	RJ45, 10 baseT, TCP/IP and UDP supported
AUX	TTL compatible output for controlling accessories
GENERAL	
Dimensions	48,3 x 34,3 x 8,9 cm
Weight	3,4 kg
Operating temperature range	5° ... +45°C
Storage temperature range	- 20° ... 50°C
Power supply input	47 - 63 Hz, ~ 110 VA, 100 - 265 VAC
MPEG TR101-290 MEASUREMENTS	
Priority 1	Synch loss error, Synch byte error, PAT error, Continuity count error, PMT error, Referenced PID error
Priority 2	Transport error, CRS error, PCR repetition error, PCR discontinuity error, PCR accuracy error, PTS error, CAT error
Priority 3	Unreferenced PID error, SI error

	J.83 ANNEX A	J.83 ANNEX B	J.83 ANNEX C
RF INPUT			
Connector	BNC		
Input Impedance	75 Ohm		
Frequency	47.0 to 862.0 MHz	54.0 to 858.0 MHz	
Return Loss	13 db typ., 10 dB min	12 dB typ., 9.5 dB min	
Input Power Level	(-) 15 to (+) 20 dBmV		
Bandwidth	8 MHz	6 MHz	
Noise Factor	7 dB typ.		
SSB Phase Noise	(-) 85 dBc/Hz, max @ 10kHz offse		
Image Frequency Rejection	55 dB typ., 48 dB min	70 dB typ., 50 dB min	
Power Measurement	(-75) dBm to (-25) dBm, <+/-3 dB, +/- -1 dB typ.		
IF INPUT			
Connector	BNC		
Input Impedance	75/ 50 Ohm		
Frequency	36.125 MHz	-	44.0 MHz
Return Loss		>19 dB	
Input Power Level	(-) 30 to (+14) dBm	(-32) dBm to (-) 15 dBm	
Bandwidth	8 MHz	6 MHz	
Power Measurement	(-) 30 dBm to (-) 10 dBm, <+/- 0.3 dB typ.		

STANDARDS

J.83 A/ B/ C
ETSI TR 101 290 (Measurement guidelines for DVB Systems)

MECHANICAL CHARACTERISTICS

1 RU Portable with handle or 19 inch rack-mountable
Operating Temperatures - +10°C to +40°C
Storage Temperature -0°C to + 50°C

ELECTRICAL CHARACTERISTICS

Power Input -90-240 V AC; 43-63 Hz
Current Requirement -2.5A

CONTROL INTERFACES

HTML Web Browser
VNC Remote Client

MASS STORAGE

80 GB shock-mounted HDD

SYSTEM INTERFACES

Management Port -10/100/1000 Base-T, -RJ-45 Copper Connector
Serial Port -9-pin DE-9P Connector
GPI Contacts -4 Contacts, -9-pin DE-9P Connector
USB 1.1a Connector

NETWORK MANAGEMENT

SNMP MIB for NMS