

# RSVP<sup>2</sup>

## Reverse Path Tester

- Eliminates Callback Truck Rolls by Ensuring Installation Quality on the First Visit
- Verifies Operation Headroom for Critical Digital Services
- Large, High-Resolution Display
- Rugged, Simple to Use



## Overview

The Guardian RSVP<sup>2</sup>™ ensures return quality where it is most critical - the subscriber installation. Most return path problems begin in the subscriber's home. Errors in installation, defective cabling, or incorrectly installed or loose hardware can all disrupt return path communications or allow ingress to enter the cable system. The RSVP<sup>2</sup> tests the key return parameters that verify the installation is error-free and ready for the demands of VOD, VoIP and HSD return services.

### RETURN PATH TESTS: QUICK, SURE, AND EASY

Pressing the "TEST" button opens communications with a Guardian 9581 SST™ reverse path analyzer in the hub or head end. Automatic measurements quickly measure the required upstream transmit level and compute the carrier/(noise + ingress) ratio for the path between the subscriber and the 9581 SST.

The RSVP<sup>2</sup> compares the results of both tests to user-settable limits and in seconds displays a simple, unambiguous "PASS" or "FAIL." The installer can also view the actual measurement data as an aid to troubleshooting.

### THE IMPORTANCE OF MEASUREMENT RANGE

Only the RSVP<sup>2</sup> / 9581 SST combination provides the ingress measurement range needed to ensure reliable HSD, VOD and VoIP services under all conditions. Complaint-free return services require a C/(N+I) ratio of better than 25 dB in all conditions.

Installations done during the workday must include sufficient ingress margin to meet mid-evening conditions when the ingress can be 6 dB worse. Of all available return path measurement systems, only the Guardian RSVP<sup>2</sup> tests C/(N+I) with the range needed to ensure trouble-free service. It does it with a simple pass/fail test that can be performed in seconds.

### BUILT-IN TEST GENERATOR FOR IDENTIFYING DROPS

The RSVP<sup>2</sup> includes a tone modulated signal source for identifying cables in MDUs and other installations. Output is settable in both frequency and level. The source may be used continuously for up to five hours on a single charge.

## FAST RETURN PATH PERFORMANCE TESTING

The RSVP<sup>2</sup> performs measurements and analysis in seconds. Operation is automatic. The installer simply presses the START button and the RSVP<sup>2</sup> does the rest.

## CONSISTENT MEASUREMENTS

The RSVP<sup>2</sup> evaluates upstream level and C/(N+I) measurements against settable limits and delivers an unambiguous result. Using the ConfigR Setup™ application, an operator can pre-program the operating parameters to ensure consistent installation quality.

## UNMATCHED MEASUREMENT RANGE

Of all installation testing alternatives, only the RSVP<sup>2</sup> measures C/(N+I) with enough range to ensure that every installation will provide trouble-free service under all conditions.

## COST EFFECTIVE

The RSVP<sup>2</sup> is small, rugged and very inexpensive, making it ideal for the installer's tasks and environment.

### INCLUDES THE FOLLOWING:

- AC battery charger
- Padded cloth carrying pouch with belt loop
- User's manual

### ACCESSORIES:

- I/O-6 RSVP<sup>2</sup> data cable  
P/N 2071082000
- I/O-15 precision RF coaxial test cable  
P/N 2071527048
- RSVP<sup>2</sup> configuration software  
P/N 0930018000

## Specifications

Test Functions	Transmit level: 20 to 55 dBmV Return C/(N+I) ratio: ≥35 dB for ≥0 dBmV input to SST Source mode: See below
Output Test Signals	Test Mode: Used in transmit level test. Single frequency 5 to 42 MHz, automatically set by transmission from 9580 or 9581 SST. Source mode: Used with an SLM to ring out cabling. 5 to 42 MHz, 20 to 55 dBmV, user-settable. CW, tone and channel tagged output.
Transmit Level Accuracy (All Modes)	±1.5 dB
Data Carrier Frequency	50.00 to 53.75 and 70.00 to 75.75 MHz, user-settable. Optional: 80.5 to 92 MHz
Data Carrier Receive Range	-15 to +20 dBmV
Display	4 digit LED with annunciators
Power	Rechargeable NiCd battery
Operational Temperature	-18° to +55° C (0° to 131° F)
Dimensions (H x W x D)	4.00" x 5.00" x 1.25" (102mm x 127mm x 32mm)
Weight	1.00 lb (450 g)