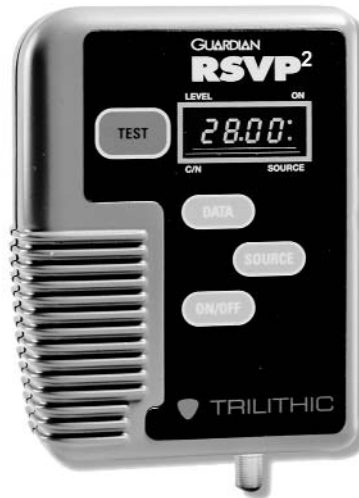




## Installer's Reverse Path Tester



**Eliminates callback truck rolls by ensuring installation quality on the first visit**

**Verifies operation headroom for critical digital services**

**Quick, simple, automated testing with Pass/Fail results**

**Small, rugged, lightweight and very simple to use**

The Guardian RSVP2™ 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 RSVP2 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 headend. 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 RSVP2 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 RSVP2 / 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 RSVP2 tests C/(N+I) with the range needed to ensure trouble-free service. And it does it with a simple Pass/Fail test that can be performed in seconds.

### Built-in Test Generator for Identifying Drops

The RSVP2 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 5 hours on a single charge.

### Fast Return Path Performance Testing

The RSVP2 performs measurements and analysis in seconds. Operation is automatic. The installer simply presses the START button and the RSVP2 does the rest.

### Consistent Measurements

The RSVP2 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.

### Very Cost effective

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

### The Guardian II System™

The Guardian II System is a powerful, flexible system of field and central office products supporting all aspects of return path management including installation, distribution system alignment and ingress control, ingress monitoring and real-time troubleshooting. The 9581 SST, the hub of the system, supports field technicians using the RSVP<sup>2</sup> and 860 DSPi™ field units and network engineers using Viewer II™ software and the DIA Suite™ Software. All elements of the return maintenance process are closely linked for maximum efficiency, flexibility and optimum cost-effectiveness.

#### Test Functions:

<b>Transmit Level:</b>	+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 5-42 MHz, automatically set by transmission from 9580 or 9581 SST.
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Source Mode:	Used with an SLM to ring out cabling. 5-42 MHz, +20 to +55 dBmV, user-settable. CW, Tone and Channel Tagged output.
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#### Transmit Level Accuracy

<b>(All Modes):</b>	+/-1.5 dB, -18 C to +55 C
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<b>Data Carrier Frequency:</b>	50.00-53.75 or 70.00-75.75 MHz, user-settable Optional: 80.5-92 MHz
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<b>Data Carrier Receive Range:</b>	-15 to +20 dBmV
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<b>Display:</b>	4 digit LED with annunciators
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<b>Charger:</b>	115 VAC charge cube
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<b>Charge Time:</b>	14 hours, worst case
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<b>Operating Temp:</b>	-18 C to +55 C
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<b>Size:</b>	4.0 x 5.0 x 1.25 in.
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<b>Weight:</b>	1 lb.
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#### INCLUDES THE FOLLOWING:

50 – 53.75 and  
70 – 75.75 MHz or  
80.5 – 92 MHz  
Telemetry Field Unit

Cloth, Padded Case  
(CC-15)  
P/N 2130673000

Charge Cube

Users Manual

#### OPTIONAL ACCESSORIES:

Vehicle Power Adaptor  
(CL-6)  
P/N 2071483000

ConfigR Software  
P/N 0930018000

Parallel Printer Adapter  
(I/O-13)  
P/N 0440214000