

RSVP²

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 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 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 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. 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 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.

COOnSISTenT meaSuRemenTS

The RSVP² evaluates upstream level and C/(N+I) measurements against settable limits and delivers an unambiguous result. Using the application, an operator can pre-program the operating parameters to ensure consistent installation quality.

unmaTCHed meaSuRemenT Range

Of all installation testing alternatives, only the RSVP² measures C/(N+I) with enough range to ensure that every installation will provide trouble-free service under all conditions.

COST eFFeCTIVe

The RSVP² 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 RSVP² data cable
P/n 2071082000
- I/O-15 precision RF coaxial test cable
P/n 2071527048
- RSVP² configuration software
P/n 0930018000

Specifications

| | |
|--|---|
| Test Functions | Transmit level: 20 to 55 dBmV Return C/(N+I) ratio: ≥ 35 dB dBmV input to SST Source mode: See below |
| Output Test Signals ConfigR Setup | 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) |