



PRODUCT INFORMATION SHEET

Component Remote Site Transmission Analyzer

Part Number RSTA-15



Description The RSTA-15 AM/FM/WR/PS broadcast receiver specifically designed to fill multiple needs. The RSTA-15 comes standard with 3 receivers built into a 1-RU chassis. The RSTA-15 is configurable to accommodate any mix of AM and FM stations plus Weather Radio and Public Service frequencies. All receivers are fully frequency agile and programmable via web or on board display.

The RSTA-15 offers full DSP-based modulation monitoring for all three receivers. Unit can be fully controlled via Ethernet connection.

Other features include SMTP email/SMNP alerts when transmitter RF or audio failures (silence sensor) occur, web-based user interface, programmable output relay firmware updates via USB port and RDS decoder.

AM Specifications

- Tuning Range: 520 to 1710 kHz (10 or 9kHz steps)
• Antenna Input: BNC 50 Ohm
• Sensitivity: .8 uV (20 dB SINAD)
• Selectivity: 75 dB
• Distortion: .10% THD
• S/N @ 100% modulation: 70 dB
• Line Output: 3 dBm adjustable
• Carrier: Display indicated
• Modulation: Display indicated
• Power: Display indicated

Weather Radio Specifications

- Tuning Range: 162.4 to 162.55
• Sensitivity: 0.5uV (12dB SINAD)
• Line Output: 3 dBm adjustable

Public Service Specifications

- Tuning Range: 144 to 175 MHz (5kHz steps)
• Line Output: 3 dBm adjustable

FM Specifications

- Tuning Range: 76 to 108 MHz (50kHz steps)
• Antenna Input: BNC 50 Ohm
• Sensitivity: .94 uV (30 dB SINAD)
• Frequency Response: 50-15K (+/- .5dB)
• Distortion: .05% THD
• Maximum S/N: 70 dB
• Line Output: 3 dBm adjustable
• Adjacent Channel Rejection: 82dB noise limited
• Stereo Separation: >50dB
• RDS: Encoder / Decoder
• Carrier: Display indicated
• Modulation: Display indicated
• Power: Display indicated

Physical Specifications

- 1 Rack Unit—19" (6.25" deep)
• 115 VAC to 12 VDC 1000 MA converter provided

All products described are subject to availability based on manufacturing capacity and shipping dates. While every effort has been made to ensure the accuracy of all information, ISS does not accept liability for any errors or omissions and reserves the right to change information as needed. These specifications may be changed without notice.

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