

NS-1 RF Noise Generator for Testing and Aligning

The NS-1 is a handheld broadband noise generator. It generates a wide, even, RF noise signal. The NS-1 is popular for testing network components and aligning a building's coaxial cable network.

The NS-1's signal is injected into the network at point A. Using a signal receiver, such as a spectrum analyzer or a signal level meter (i.e. Applied Instruments Super Buddy or XR-3), the NS-1's signal is received at point B.

The frequency response of the network, between points A and B, is obtained. This measurement allows the user to verify the RF integrity of cabling and its associated connections at all frequencies between 5 and 2150 MHz.

NS-1 Noise Generator (1-2150 MHz)



"Reliability through Simplicity"

NS-1 Noise Generator

FEATURES

- Cost effective
- Compact and convenient handheld design
- Field replaceable "F" connector
- Signal drops out with low battery (no sagging)

STANDARD ACCESSORIES

- Padded carrying case with belt clip
- Spare 9V battery

SPECIFICATIONS

RF Signal Type.....White Noise energy, Constant Spectral Density
Frequency Range.....1 to 2150 MHz

Maximum Output Level (at least)

Total.....-101.572 dBm/Hz, -8.3 dBm, +40.5 dBmV, +100.5 dB μ V
280 kHz bandwidth.....-47 dBm, -2 dBmV, +58 dB μ V
24 MHz bandwidth.....-28 dBm, +21 dBmV, +81 dB μ V
6 MHz bandwidth.....-34 dBm, +15 dBmV, +75 dB μ V

Amplitude Output Flatness

5 to 46 MHz..... \pm 0.5 dB
46 to 860 MHz..... \pm 1.0 dB
950 to 1450 MHz..... \pm 1.0 dB
1550 to 2000 MHz..... \pm 2.0 dB
5 to 2150 MHz..... \pm 2.5 dB

Output Impedance.....75 Ω

Operating Temperature.....0° to 120°F (-18°C to +50°C)

DC Power.....9V Alkaline battery

Operation Time Per Battery.....15 hours continuous

Low Battery Indicator.....LED flashes during last 10% of battery life

Low Battery Cutoff.....Turns off signal when battery is insufficient

Enclosure Type/Size/Weight.....ABS Plastic, 2.4"W x 4.7"H x 0.9"D / 4 oz.
6.1 cm x 11.9 cm x 2.3 cm / 113 g

Warranty.....12 month limited

Specifications subject to change without notice.



ACTUAL SIZE

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