

935AT Communications Test Set Specifications

Wideband TMS



Transmitter

Frequency Range

20 Hz to 300 kHz

Resolution

1 Hz

Accuracy

±0.5 Hz, 20 Hz to 10 kHz

±5 Hz, 10–100 kHz

±15 Hz, 100–300 kHz

Output Steps

1, 10, 100 Hz selectable

1, 10, 100 kHz selectable

Level Range

-60 to +12 dBm

Resolution

0.1 dB

Accuracy

For terminations of 135 and 600 Ohms:

±0.2 dB, 0.2–15 kHz

±0.5 dB, 15–210 kHz

±1.0 dB, 210–300 kHz

Distortion

-50 dB, 0.2–15 kHz

-40 dB, 15–300 kHz

Receiver Tone Measurements

Frequency Range

20 Hz to 300 kHz

Resolution

1 Hz

Accuracy

±1 Hz, 20 Hz to 10 kHz

±5 Hz, 10–100 kHz

±15 Hz, 100–300 kHz

Broadcast Filter

>60 dB, 500–1600 kHz

(Receiver level specifications apply with Broadcast Filter in place.)

Level Range

-60 dBm to +12 dBm, 0.2–300 kHz

@ 135, 600, and 900 Ohms

Resolution

0.1 dB

Accuracy

For terminations of 135 and 600 Ohms:

±0.2 dB, 0.2–15 kHz

±0.5 dB, 15–210 kHz

±1.0 dB, 210–300 kHz

Receiver Noise Measurements

Input

Balanced or Noise-to-Ground

Range

For terminations of 135 and 600 Ohm
20–100 dBrn (balanced)
50–130 dBrn (noise-to-ground)

Weighting Filters

15 kHz Flat, Program, 50 kb
and E-Filter (ISDN)

Hum Filter

>20 dB, 60 Hz
<0.1 dB, 400 Hz

Resolution

1.0 dB

Accuracy

±1.0 dB

3-Level Impulse Noise

- 50–99 dBrn @ balanced 135 Ohms only
- 2, 4, 6, 8 dB spread, blanking interval adjustable 10–200 msec
- Available filter: E-Filter (ISDN)
- Accuracy: ±1.0 dB

General

Impedances

135, 600, 900, and 1200 Ohms
>50 kOhms Bridging