

U8903A Audio Analyzer





For 2-way Radio Transceiver Testing



Solution # 2 Radio Receiver Hardware Test or Radio Sensitivity Test



For Audio Amplifier Testing

Solution # 3 Amplifier Module Board Test

This solution is to observe the quality of the signal being amplified by the audio amplifier by measuring the parameters below:

- Amplitude Level (Audio Analyzer) Frequency Response (Audio Analyzer) Phase (Audio Analyzer)
- THD+N (Audio Analyzer)
- SNR (Audio Analyzer)
- Dynamic Range (Audio Analyzer)

Keysight Solution:

- U8903A Audio Analyzer
- E3600 Bench Power Supply

Test Procedure

- 1. Connect the Fixture input with Audio Analyzer source.
- Connect the Power supply wire, GPIB and LAN cables.
 Turn the Audio Analyzer and PC, power supply (set up the voltage and current protection) on. Run the SW on PC, 30
- minute warm-up.
- Run the test.
 Generate print-ready reports from PC.



GPIB

For Car Audio Testing



For Cell Phone Testing



For TV & DVD Testing



- a. Dead Pixels b. Misalignment
- c. Color
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L channel

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U8903A Audio Analyzer

R channe



input

ΙΔΝ



The test result is shown on PC and a copy of it can be printed out.



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Keysight Solution:

- U8903A Audio Analyzer U8101A Display Tester

Test Procedure

- Connect AA (analyzer input) to DUT (TV) audio output using SPDIF cable. Each for the L and R channel. L channel to Chn 1 (Analyzer). R channel to Chn 2.
 Connect TV video input (S-Video/YPbPr/HDMI/RCA) to the U8101A Display Tester.
 Display Tester generates the standard pattern and Audio Tones to the TV.

- 4. Generate print-ready reports from PC.