

SPECIFICATIONS

Hewlett-Packard guarantees that your adapters will equal or exceed the following specifications:

DC to 8 GHz	≥ 34 dB return loss
8 to 18 GHz	≥ 30 dB return loss
18 to 26.5 GHz	≥ 28 dB return loss

The center conductor of the NMD-3.5 mm connector should be recessed 0.0000 to 0.0022 inches (0.000 to 0.056 mm) below the mating surface of the outer conductor.

The center conductors of the 3.5 mm precision connectors (3.5 mm (m) and PSC-3.5) should be recessed 0.0001 to 0.0005 inch (0.0025 to 0.013 mm) below the mating surface of the outer conductor.

PERFORMANCE TESTS

Using an HP 8510 Network Analyzer perform the following tests on your adapters as soon as you receive them, and periodically repeat the tests to determine if their performance meets the electrical specifications stated above or if they need to be replaced. An initial period of one year between performance tests is recommended.

Required Equipment	HP Part Number
HP 8510A/B Network Analyzer System with time domain option	8510 Opt. 010
3.5 mm loads (part of the HP 85052B calibration kit)	
male	85052-60010
female	85052-60011
3.5 mm 50Ω airline, 7.5 cm (part of the HP 85053B verification kit)	85053-60005

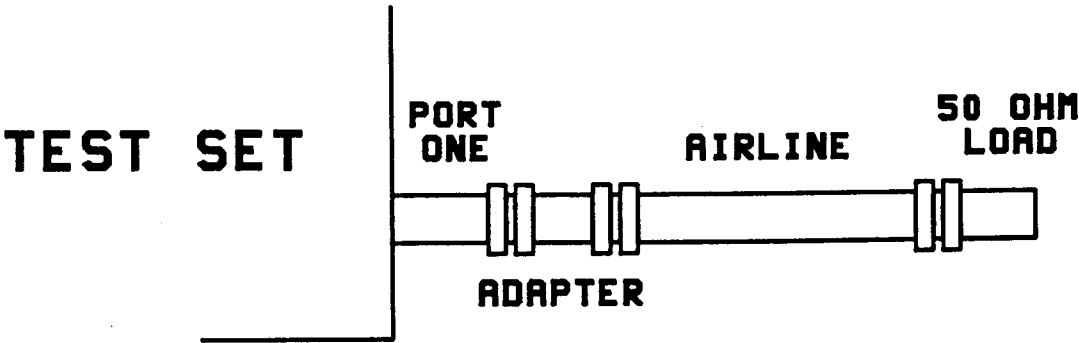


Figure 1. Return Loss set-up