

Verification kits

Verification kits are used to verify the performance specifications of an 8510 system. All kits include a precision Z_0 airline, mismatched airline and fixed attenuators. Measured data and uncertainties traceable to the U.S. National Institute of Standards and Technology (NIST) are included with each kit. Compliance with MIL-STD 45662A is available for an extra charge

Choose a verification kit for each connector type required.

Verification kit	Connector type	Frequency range (GHz)	Verification kit	Connector type	Frequency range (GHz)
85051B	7 mm	0.045 - 18	R11645A	WR-28	26.5 - 40
85053B	3.5 mm	0.045 - 26.5	Q11645A	WR-22	33 - 50
85055A	Type-N	0.045 - 18	U11645A	WR-19	40 - 60
85057B	2.4 mm	0.045 - 50	V11645A	WR-15	50 - 75
			W11645A	WR-10	75 - 110

Test port cables and adapters

Test port cables and adapter sets are available for various connector types. Special test port adapter sets convert the rugged ports of the network analyzer test set to the desired connector interface. Each kit contains two adapters, one male and one female. Both the cables and the test port adapters have one special female connector which is designed to connect directly to the 3.5 mm test port (2.4 mm for 8517B). This side of the cable or adapter can only be connected to the test set port and cannot be mated to a standard 3.5 mm (or 2.4 mm) male connector. Choose one of the configurations shown.

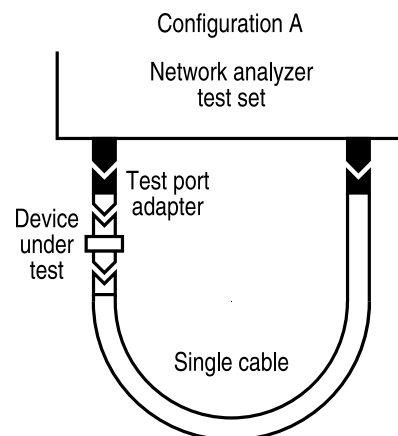
Configuration A. This cable arrangement is for applications where the device under test is connected directly to the test set port. This setup offers the best mechanical rigidity for device connection. To adapt the test set port (port 1) to the device under test, choose the appropriate special adapter set. In addition to converting the test port to the desired interface, these adapters also function as “test port savers” which protect the test set from damage and wear due to heavy use.

For Agilent 8514B/8515A/85110A test sets (3.5 mm rugged test port connectors)

	Cables/adapter	Connector type (on device side of cable/adapter)
For 3.5 mm devices	85131C semi-rigid cable or 85131E flexible cable 85130D adapter set	3.5 mm (f) 3.5 mm (f) 3.5 mm (m and f)
For 7 mm devices	85132C semi-rigid cable or 85132E flexible cable 85130B adapter set	7 mm 7 mm 7 mm
For Type-N devices	Use 7 mm cables and the 7 mm-to-Type-N adapters included in the 85054B/D Type-N calibration kit	

For Agilent 8517B test sets (2.4-mm rugged test port connectors)

	Cables/adapter	Connector type (on device side of cable/adapter)
For 2.4 mm devices	85133C semi-rigid cable or 85133E flexible cable 85130G adapter set	2.4 mm (f) 2.4 mm (f) 2.4 mm (m and f)
For 3.5 mm devices	85134C semi-rigid cable or 85134E flexible cable 85130F adapter set	3.5 mm (f) 3.5 mm (f) 3.5 mm (m and f)
For 7 mm devices	85135C semi-rigid cable or 85135E flexible cable 85130E adapter set	7 mm 7 mm 7 mm



Configuration B. This cable arrangement is for applications where the device under test is connected between cable ends. This setup offers more flexibility when connecting to the device under test.

For 8514B/8515A/85110A test sets (3.5 mm rugged test port connectors)

	Cables/adapter	Connector type (on device side of cable/adapter)
For 3.5 mm devices	85131D semi-rigid cable set or 85131F flexible cable set	3.5 mm (m and f) 3.5 mm (m and f)
For 7 mm devices	85132D semi-rigid cable set or 85132F flexible cable set	7 mm 7 mm
For Type-N devices	Use 7 mm cables and the 7 mm-to-Type-N adapters included in the 85054B/D Type-N calibration kit	

For 85110L Test sets (7 mm rugged test port connectors)

	Cables/adapter	Connector type (on device side of cable/adapter)
For 7 mm devices	11857D Cable pair	7 mm

For 8517B Test sets (2.4 mm rugged test port connectors)

	Cables/adapters	Connector type (on device side of cable/adapter)
For 2.4 mm devices	85133D semi-rigid cable set or 85133F flexible cable set	2.4 mm (m and f) 2.4 mm (m and f)
For 3.5 mm devices	85134D semi-rigid cable set or 85134F flexible cable set	3.5 mm (m and f) 3.5 mm (m and f)
For 7 mm devices	85135D semi-rigid cable set or 85135F flexible cable set	7 mm 7 mm

For 8510XF systems (1 mm test port connectors)

	Cables/adapters	Connector type
For 1 mm devices	11500I (8.8 cm) test port cable 11500J (16 cm) test port cable 11500K (20 cm) test port cable 11500L (24 cm) test port cable	1 mm (f and f) 1 mm (m and f) 1 mm (m and f) 1 mm (m and f)
For V-band waveguide devices	V281C adapter V281D adapter	1 mm (f) to V-band waveguide devices 1 mm (m) to V-band waveguide devices
For W-band waveguide devices	W281C adapter W281D adapter	1 mm (f) to W-band waveguide devices 1 mm (m) to W-band waveguide devices

