Agilent
Migrate from the 8510 and 8530 to the PNA Series Network Analyzer

Selection Guide

The PNA Series of network analyzers has rapidly surpassed the performance and flexibility of the 8510 systems to become the new standard in microwave network analysis. In less than three years, the PNA Series has expanded to cover 20, 40, 50, and 67 GHz and now offers new capabilities for 110 GHz, antenna, materials, and pulsed applications.

This selection guide provides recommendations for the proper PNA Series system and services for your test and measurement requirements.

Complete Systems	Description	Recommended PNA Solution	Description
8510E	45 MHz - 20 GHz	E8362C	10 MHz - 20 GHz
8510SX	45 MHz - 26.5 GHz	N5242A	10 MHz - 26.5 GHz
8510XF (E7340A)	45/2000 MHz - 85 GHz	N5250C	10 MHz - 110 GHz
8510XF (E7350A)	45/2000 MHz - 110 GHz	N5250C	10 MHz - 110 GHz
85106D	33 GHz - 110 GHz (requires x85104A module)	E8361C or N5250C	10 MHz - 67/110 GHz
85107B	45 MHz - 50 GHz	E8364C	10 MHz - 50 GHz
85108A	Pulsed 2 GHz - 20/50 GHz	E8362C or E8364C with Options H11 and H08	10 MHz - 20/50 GHz IF access and pulsed-RF measurement capability
85108L	Pulsed 45 MHz - 2 GHz	E8362C with Options H11 and H08	10 MHz - 20 GHz with IF access and pulsed-RF measurement capability

System Components	Description	Recommended PNA Solution	Description
8510C	Network analyzer	E8362C/63C/64C or E8361C	10 MHz - 20/40/50/67 GHz
8510C - 008	Network analyzer with pulse capability	E8362C/63C/64C or E8361C Options H11 and H08	10 MHz - 20/40/50/67 GHz with IF access and pulsed-RF measurement capability
8514B	45 MHz - 20 GHz Test set	E8362C	10 MHz - 20 GHz
8515A	45 MHz - 26.5 GHz Test set	N5242A	10 MHz - 26.5 GHz
8517B	45 MHz - 50 GHz Test set	E8364C	10 MHz - 50 GHz
85110A	Pulsed 2 - 20 GHz Test set	E8362C with Options H11 and H08	10 MHz - 20 GHz with IF access and pulsed-RF measurement capability
85110L	Pulsed 45 MHz - 2 GHz Test set	E8362C with Options H11 and H08	10 MHz - 20 GHz with IF access and pulsed-RF measurement capability
8511A	45 MHz - 26.5 GHz Frequency converter	N5242A	10 MHz - 26.5 GHz with configurable test set
8511B	45 MHz - 50 GHz Frequency converter	E8364C with Opt 014	10 MHz - 50 GHz with configurable test set
8530A	Microwave receiver for antenna measurements	E8362C/63C/64C or E8361C with Option H11	10 MHz - 20/40/50/67 GHz with IF access
85105A	mmWave Test set controller	N5260A or N5261A	mmWave test set and external hardware
Q85104A	33 - 50 GHz Test set module	E8364C	10 MHz - 50 GHz
U85104A	40 - 60 GHz Test set module	E8361C	10 MHz - 67 GHz
V85104A	50 - 75 GHz Test set module	N5250C	10 MHz - 110 GHz
W85104A	75 - 110 GHz Test set module	N5250C	10 MHz - 110 GHz
8360 Series	RF Sources	no external source required	

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Engineering Services for 8510/8530 to PNA Series Migration

For current users of the 8510 Series of network analyzers who plan to migrate their applications to realize the innovative performance of the PNA Series, Agilent also offers a spectrum of engineering services that provide training, code conversion, and/or test plan design.

Agilent's network analyzer experts can save you time and money by working with you to migrate your 8510 instruments and transition your test code quickly and easily.

Transition scenario	Recommended service	Description
Users migrating 8510 network analyzers to new PNA Series solutions	H7215B-203	PNA Series network analyzer operation training course
Test Programmers converting automated 8510 network analyzer systems to PNA Series solutions	R1362A-116	8510 to PNA Series Test code conversion service
	H7215B-204	PNA programming using SCPI training course
	H7215B-205	PNA programming using COM training course
Test Engineers creating a test plan that makes use of the new high performance PNA Series features	R1361A-112	Network analyzer test plan development service

8510 and 8530 Series Network Analyzer Trade-up Program

Safeguard your financial and engineering investments in your older equipment as you transition to the more advanced PNA Series platform. Trade-up your 8510 or 8530 Series today and take advantage of the performance and flexibility of the PNA Series through this limited time offer. For more information visit: **www.agilent.com/find/8510**

Web Resources

Visit our PNA Series Web site for additional literature and product information: **www.agilent.com/find/pna**

For additional information regarding the 8510 Series discontinuance visit: **www.agilent.com/find/8510**

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Product specifications and descriptions in this document subject to change without notice.

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