

Keysight PNA Series
Network Analyzers
Hardware Change History

Keysight PNA Hardware Change History

When Keysight's PNA Network Analyzers are first introduced, they contain the most current technology available. In our environment of high-speed technology innovation and evolution, this current technology can become obsolete in just a few years. So Keysight often needs to change the internal design of our products to incorporate newer technology. If these changes ever impact the compatibility of other internal parts, Keysight will change the number sequence in the product serial number to note this change. This listing below outlines the changes made in our PNA products which were significant enough to require a change to the serial number sequence.

Keysight's PNA Network Analyzers come with a 10-character serial number. The first two characters indicate the country of manufacture. The next four numbers indicate the year and week the number sequence started. These first six characters are collectively known as the serial prefix. The last four numbers are the numbering sequence for the product, and this is referred to as the serial suffix.

Note: Keysight shipped PNA Network Analyzers with the Windows XP operating system from 2002 to April 2014. From April 2014 to October 2018, all PNAs were shipped with the Windows 7 operating system. Since November 2018, all PNAs have shipped with the Windows 10 operating system.

In addition to the serial number history listed here, we have a board revision history at the end of this document.

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N52xxB PNA Models

N5221B / 22B / 24B / 25B / 27B

- MY5718, SG5718, US5718 -- Initial Serial Prefix. All instruments contain SPAM (DSP) 5 and version 7 CPU (May 2017)
- MY5842, SG5842, US5842 -- Change to Windows 10 (Oct 2018)
- MY6021, SG6021, US6021 -- Change to version 7 synthesizer (DDS) (Jul 2020)
- MY6114, SG6114, US6114 -- Change bias combiner DC block; affects only LFE option (May 2021)
- MY6125, SG6125, US6125 -- Change to version 8 CPU board and Windows 10 version 1809 (Jun 2021)
- MY6305, SG6305, US6305 -- Change to version 9 CPU board and M.2-style SSD (Feb 2023)

N5231B / 32B / 34B / 35B / 39B

- MY5718, SG5718, US5718 -- Initial Serial Prefix. All instruments contain SPAM (DSP) 5 and version 7 CPU (May 2017)
- MY5842, SG5842, US5842 -- Change to Windows 10 (Oct 2018)
- MY6125, SG6125, US6125 -- Change to version 8 CPU board and Windows 10 version 1809 (Jun 2021)
- MY6305, SG6305, US6305 -- Change to version 9 CPU board and M.2-style SSD (Feb 2023)

N5241B / 42B / 44B / 45B / 47B / 49B, N5241BC / 47BC

- MY5718, SG5718, US5718 -- Initial Serial Prefix. All instruments contain SPAM (DSP) 5 and version 7 CPU (May 2017)
- MY5842, SG5842, US5842 -- Change to Windows 10 (Oct 2018)
- MY6021, SG6021, US6021 -- Change to version 7 synthesizer (DDS) (Jul 2020)
- MY6114, SG6114, US6114 -- Change bias combiner DC block; affects only LFE option (May 2021)
- MY6125, SG6125, US6125 -- Change to version 8 CPU board and Windows 10 version 1809 (Jun 2021)
- MY6305, SG6305, US6305 -- Change to version 9 CPU board and M.2-style SSD (Feb 2023)

N5264B

- MY5718, SG5718, US5718 -- Initial Serial Prefix. All instruments contain SPAM (DSP) 5 and version 7 CPU (May 2017)
- MY5842, SG5842, US5842 -- Change to Windows 10 (Oct 2018)
- MY6125, SG6125, US6125 -- Change to version 8 CPU board and Windows 10 version 1809 (Jun 2021)
- MY6305, SG6305, US6305 -- Change to version 9 CPU board and M.2-style SSD (Feb 2023)

Millimeter Wave Models

N5290A / N5291A Systems

- US5718 -- Initial Serial Prefix (May 2017)
- US5842 -- Change to Windows 10 (Oct 2018)
- US6021 -- Change to version 7 synthesizer (Jul 2020)
- MY6114, US6114 -- Change bias combiner DC block; affects only LFE option (May 2021)
- MY6125, SG6125, US6125 -- Change to version 8 CPU board and Windows 10 version 1809 (Jun 2021)

N5292A Test Set

- US5718 -- Initial Serial Prefix in US (May 2017)
- MY6045 -- Initial Serial Prefix in Malaysia (Nov 2020) (no change to US serial prefix)

N5293A / N5295A Millimeter Heads

- US5715 -- Initial Serial Prefix in US (May 2017)
- MY6045 -- Initial Serial Prefix in Malaysia (Nov 2020) (no change to US serial prefix)
- MY6114, US6114 -- Change bias combiner DC block; affects only X03 and X53 (May 2021)

N52xxA PNA Models

N5221A

- June 2011 -- Product Introduction
- MY5141, US5121 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5541, SG5541, US5541 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5601, SG5601, US5601 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5721, SG5721, US5721 -- Reset serial prefix for RoHS compliance (May 2017)

N5222A, N5222AS

- June 2011 -- Product Introduction
- MY5142, US5122 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5542, SG5542, US5542 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5602, SG5602, US5602 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5722, SG5722, US5722 -- Reset serial prefix for RoHS compliance (May 2017)

N5224A, N5224AS

- June 2011 -- Product Introduction
- MY5144, US5124 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5544, SG5544, US5544 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5604, SG5604, US5604 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5724, SG5724, US5724 -- Reset serial prefix for RoHS compliance (May 2017)

N5225A, N5225AS

- June 2011 -- Product Introduction
- MY5145, US5125 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5545, SG5545, US5545 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5605, SG5605, US5605 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5725, SG5725, US5725 -- Reset serial prefix for RoHS compliance (May 2017)

N5227A, N5227AS

- June 2011 -- Product Introduction
- US5127 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- US5547 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)

- US5607 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- US5727 -- Reset serial prefix for RoHS compliance (May 2017)

N5231A

- June 2012 -- Product Introduction
- MY5221, US5211 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5541, SG5541, US5541 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5721, SG5721, US5721 -- Reset serial prefix for RoHS compliance (May 2017)

N5232A

- June 2012 -- Product Introduction
- MY5222, US5212 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5542, SG5542, US5542 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5722, SG5722, US5722 -- Reset serial prefix for RoHS compliance (May 2017)

N5234A

- June 2012 -- Product Introduction
- MY5224, US5214 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5544, SG5544, US5544 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5724, SG5724, US5724 -- Reset serial prefix for RoHS compliance (May 2017)

N5235A

- June 2012 -- Product Introduction
- MY5225, US5215 -- Initial Serial Prefix. All instruments contain SPAM 5 and version 6 CPU (All parts are RoHS-compliant.)
- MY5545, SG5545, US5545 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5725, SG5725, US5725 -- Reset serial prefix for RoHS compliance (May 2017)

N5241A

- Apr 2009 -- Product Introduction
- MY4911, SG4911, US4911 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 4 CPU
- MY4931, SG4931, US4931 -- Change to 2.0 GHz, 4 GB (version 5) RAM CPU board
- MY4941, SG4941, US4941 -- Change front panel frame from 2-piece to 1-piece, matching N5244A/45A. Change to using N5245-60003 TSMB
- MY5121, SG5121, US5121 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5141, SG5141, US5141 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5201, SG5201, US5201 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. (All boards are now RoHS-compliant)
- MY5241, SG5241, US5241 -- Change to the Dynamic Accuracy specification

- MY5321, SG5321, US5321 -- Change to RoHS-compliant cables, bias tees, and couplers (June 2013)
- MY5541, SG5541, US5541 -- Change to using N5245-60124 6 GHz noise receiver board and W1312-60210 (version 7) CPU board (Oct 2015)
- MY5601, SG5601, US5601 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5721, SG5721, US5721 -- Reset serial prefix for RoHS compliance (May 2017)

N5241AS

- MY5051, SG5051, US4941 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 5 CPU
- MY5126, SG5126, US5126 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5146, SG5146, US5146 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5206, SG5206, US5206 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. (All boards are now RoHS-compliant)
- MY5246, SG5246, US5246 -- Change to the Dynamic Accuracy specification
- MY5326, SG5326, US5326 -- Change to RoHS-compliant cables, bias tees, and couplers (June 2013)
- MY5541, SG5541, US5541 -- Change to using N5245-60124 6 GHz noise receiver board and W1312-60210 (version 7) CPU board (Oct 2015)
- MY5601, SG5601, US5601 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5721, SG5721, US5721 -- Reset serial prefix for RoHS compliance (May 2017)

N5242A

- Feb 2007 -- Product Introduction
- MY4720, SG4720, US4720 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 4 CPU
- MY4742, SG4742, US4742 -- Power Supply Change Required to Support Additional Noise Figure Option Hardware
- MY4822, SG4822, US4812 -- New Touchscreen Hardware and Drivers
- MY4832, SG4832, US4832 -- Modified Chassis to allow greater connector clearance
- MY4842, SG4842, US4842 -- Change from SPAM 4 version 27 to SPAM 4 version 34
- MY4932, SG4932, US4932 -- Change to 2.0 GHz, 4 GB RAM (version 5) CPU board
- MY4942, SG4942, US4942 -- Change front panel frame from 2-piece to 1-piece, matching N5244A/45A. Change to using N5245-60003 TSMB
- MY5122, SG5122, US5122 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5142, SG5142, US5142 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5202, SG5202, US5202 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. (All boards are now RoHS-compliant)
- MY5242, SG5242, US5242 -- Change to the Dynamic Accuracy specification
- MY5322, SG5322, US5322 -- Change to RoHS-compliant cables, bias tees, and couplers (June 2013)
- MY5542, SG5542, US5542 -- Change to using N5245-60124 6 GHz noise receiver board and W1312-60210 (version 7) CPU board (Oct 2015)

- MY5602, SG5602, US5602 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5722, SG5722, US5722 -- Reset serial prefix for RoHS compliance (May 2017)

N5242AH85 / N5242AS

- Feb 2007 -- Product Introduction
- MY4720, SG4720, US4720 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 4 CPU
- MY4742, SG4742, US4742 -- m/n N5242AH85 -- Power Supply Change Required to Support Additional Noise Figure Option Hardware
- MY4802, SG4802, US4802 -- m/n N5242AH85 --
- MY4812, SG4812, US4812 -- m/n N5242AH85 --
- MY4832, SG4832, US4832 -- m/n N5242AH85 -- Modified Chassis to allow greater connector clearance
- MY4842, SG4842, US4842 -- m/n N5242AH85 -- Change from SPAM 4 version 27 to SPAM 4 version 34
- MY4937, SG4937, US4937 -- m/n N5242AH85 -- Change to 2.0 GHz, 4 GB RAM (version 5) CPU board
- MY4947, SG4947, US4947 -- m/n N5242AH85 -- Change front panel frame from 2-piece to 1-piece, matching N5244A/45A. Change to using N5245-60003 TSMB
- MY5007 -- Initial prefix for N5242AS
- MY5127, SG5127, US5127 -- m/n N5242AS -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5147, SG5147, US5147 -- m/n N5242AS -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5207, SG5207, US5207 -- m/n N5242AS -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. (All boards are now RoHS-compliant)
- MY5247, SG5247, US5247 -- Change to the Dynamic Accuracy specification
- MY5327, SG5327, US5327 -- Change to RoHS-compliant cables, bias tees, and couplers (June 2013)
- MY5542, SG5542, US5542 -- Change to using N5245-60124 6 GHz noise receiver board and W1312-60210 (version 7) CPU board (Oct 2015)
- MY5602, SG5602, US5602 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5722, SG5722, US5722 -- Reset serial prefix for RoHS compliance (May 2017)

N5244A

- May 2009 -- Product Introduction
- MY4914, SG4914, US4914 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 5 CPU
- MY5124, SG5124, US5124 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5144, SG5144, US5144 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5204, SG5204, US5204 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. This is the earliest configuration which is compatible with option 029. (All boards are now RoHS-compliant)

- MY5244, SG5244, US5244 -- Change to the Dynamic Accuracy specification
- MY5544, SG5544, US5544 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5604, SG5604, US5604 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5724, SG5724, US5724 -- Reset serial prefix for RoHS compliance (May 2017)

N5244AS

- MY4944, SG4944, US4944 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 5 CPU
- MY5129, SG5129, US5129 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5149, SG5149, US5149 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5209, SG5209, US5209 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. This is the earliest configuration which is compatible with option 029. (All boards are now RoHS-compliant)
- MY5249, SG5249, US5249 -- Change to the Dynamic Accuracy specification
- MY5544, SG5544, US5544 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5604, SG5604, US5604 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5724, SG5724, US5724 -- Reset serial prefix for RoHS compliance (May 2017)

N5245A

- May 2009 -- Product Introduction
- MY4915, SG4915, US4915 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 5 CPU
- MY5125, SG5125, US5125 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5145, SG5145, US5145 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5205, SG5205, US5205 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. This is the earliest configuration which is compatible with option 029. (All boards are now RoHS-compliant)
- MY5245, SG5245, US5245 -- Change to the Dynamic Accuracy specification
- MY5545, SG5545, US5545 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5605, SG5605, US5605 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5725, SG5725, US5725 -- Reset serial prefix for RoHS compliance (May 2017)

N5245AS

- MY4945, SG4945, US4945 -- Initial Serial Prefix. All instruments contain SPAM 4 and version 5 CPU
- MY5130, SG5130, US5130 -- Change to using N5242-60166 synthesizer boards (RoHS)
- MY5150, SG5150, US5150 -- Change to using W1312-60196 (version 6) CPU board (RoHS)
- MY5210, SG5210, US5210 -- Change to new chassis and changed several boards to screw-down style. Change from SPAM 4 to SPAM 5. This is the earliest configuration which is compatible with option 029. (All boards are now RoHS-compliant)

- MY5250, SG5250, US5250 -- Change to the Dynamic Accuracy specification
- MY5545, SG5545, US5545 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5605, SG5605, US5605 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5725, SG5725, US5725 -- Reset serial prefix for RoHS compliance (May 2017)

N5247A

- Sep 2010 -- Product Introduction
- US5047 -- Initial Serial Prefix. All instruments contain SPAM 5. The instruments built in the first two months contain CPU version 5. All others contain CPU version 6. All instruments with appropriate options are compatible with option 029. (All parts are RoHS-compliant.)
- US5117 -- Preliminary RoHS-compliant certification
- US5547 -- Change to using W1312-60210 (version 7) CPU board. Final RoHS-compliant certification (Oct 2015)
- US5607 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- US5727 -- Reset serial prefix for RoHS compliance (May 2017)

N5249A

- May 2014 -- Product Introduction
- MY5419, SG5419, US5419 -- Initial Serial Prefix. All instruments contain SPAM 5, version 6 CPU, and Windows 7
- MY5549, SG5549, US5549 -- Change to using N5245-60124 6 GHz noise receiver board and W1312-60210 (version 7) CPU board (Oct 2015)
- MY5609, SG5609, US5609 -- Change to new revision of N5240-60062 IF Multiplexer board and 5087-7829 mixer brick (Jan 2016)
- MY5729, SG5729, US5729 -- Reset serial prefix for RoHS compliance (May 2017)

N5264A

- MY5144, SG5144, US5144 -- Change to using W1312-60196 (version 6) CPU board
- MY5544, SG5544, US5544 -- Change to using W1312-60210 (version 7) CPU board (Oct 2015)
- MY5604, SG5604, US5604 -- Change to new revision of N5240-60062 IF Multiplexer board (Jan 2016)
- MY5724, SG5724, US5724 -- Reset serial prefix for RoHS compliance (May 2017)

Older PNA Models

E8361A

- Sep 2002 -- Product Introduction
- US4901, MY4901 -- Change from PATA hard drives to SATA

E8361C

- US4901, MY4901 -- Change from PATA hard drives to SATA

E8362B

- Sep 2002 -- Product Introduction
- MY4302, SG4302, US4302 -- Prior to SATA change
- MY4842, SG4842, US4842 -- Change from PATA hard drives to SATA

E8362BH85

- Sep 2002 -- Product Introduction
- MY4702, SG4702, US4702 -- Prior to SATA change
- MY4847, SG4847, US4847 -- Change from PATA hard drives to SATA

E8362C

- Feb 2008 -- Product Introduction
- MY4812, SG4812, US4812 -- Initial Serial Prefix
- MY4902, SG4902, US4902 -- Change from PATA hard drives to SATA

E8362CH85

- Feb 2008 -- Product Introduction
- MY4815, SG4815, US4815 -- Prior to SATA change
- MY4907, SG4907, US4907 -- Change from PATA hard drives to SATA

E8363B

- Sep 2002 -- Product Introduction
- MY4303, SG4303, US4303 -- Prior to SATA change
- MY4843, SG4843, US4843 -- Change from PATA hard drives to SATA

E8363BH85

- Sep 2002 -- Product Introduction
- MY4703, SG4703, US4703 -- Prior to SATA change
- MY4848, SG4848, US4848 -- Change from PATA hard drives to SATA

E8363C

- Feb 2008 -- Product Introduction
- MY4813, SG4813, US4813 -- Initial Serial Prefix
- MY4903, SG4903, US4903 -- Change from PATA hard drives to SATA

E8363CH85

- Feb 2008 -- Product Introduction
- MY4815, SG4815, US4815 -- Prior to SATA change
- MY4908, SG4908, US4908 -- Change from PATA hard drives to SATA

E8364B

- Sep 2002 -- Product Introduction
- MY4304, SG4304, US4304 -- Prior to SATA change
- MY4844, SG4844, US4844 -- Change from PATA hard drives to SATA

E8364BH85

- Sep 2002 -- Product Introduction
- MY4704, SG4704, US4704 -- Prior to SATA change
- MY4849, SG4849, US4849 -- Change from PATA hard drives to SATA

E8364C

- Feb 2008 -- Product Introduction
- MY4814, SG4814, US4814 -- Initial Serial Prefix
- MY4904, SG4904, US4904 -- Change from PATA hard drives to SATA

E8363CH85

- Feb 2008 -- Product Introduction
- MY4815, SG4815, US4815 -- Prior to SATA change
- MY4909, SG4909, US4909 -- Change from PATA hard drives to SATA

N5230A

- Oct 2003 -- Product Introduction, 20, 40 and 50 GHz 2-Port options
- Jun 2005 -- Introduce 6 and 13.5 GHz 2-Port options
- MY4640, SG4640, US4640 -- Prior to SATA change
- MY4840, SG4840, US4840 -- Change from PATA hard drives to SATA

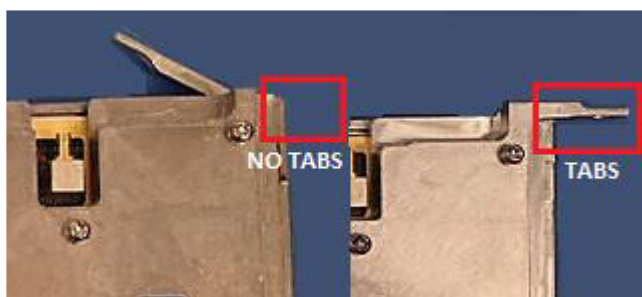
N5230C

- Feb 2008 -- Product Introduction
- MY4810, SG4810, US4810 -- Initial Serial Prefix
- MY4900, SG4900, US4900 -- Change from PATA hard drives to SATA

Board Revision History

Please note that Keysight uses different part numbers to mean specific things. A "-60xxx" part number means a finished and fully tested assembly. A "-63xxx" part number means a finished and minimally tested assembly. For example, the N5240-60074 and the N5240-63074 are the same board. The -63074 is the board we receive from our contract manufacturer with minimal testing; the -60074 is this same board after it has gone through our thorough production line testing.

Some of the boards listed below indicate "tabs" versus "no tabs" or "tabless". The difference is shown in this picture. The tabs are used for securing the boards with screws. The assemblies are identical except for this small mechanical difference.



Synthesizer Board

Version	Part Numbers	EEPROM rev	Unique Features	Where Used
4	N5230-60002 N5230-63002	D	Heterodyne mixer to generate frequencies from 10 to 500 MHz.	N524xA PNA-X from 2007 to 2011. Cannot be used in "B" models.
5	N5242-60150 (tabs) N5242-63150 (tabs) N5242-60166 (no tabs) N5242-63166 (no tabs)	F	Direct Digital Synthesizer to generate frequencies from 10 to 250 MHz.	All N52xxA from 2011 to 2014. Can be used in "B" models without LFE options.
6	N5240-60074 (tabs) N5240-63074 (tabs) N5240-60076 (no tabs) N5240-63079 (no tabs)	G/H	Improved filtering and reliability improvements.	All N52xxA and N52xxB from 2014 to Sep 2020. N523xB continues to use this version.
7	N5240-60222 (2 synth) N5240-60223 (3 synth) N5240-60102 (4 synth)	- -	Direct digital synthesis to 6 GHz. Frequency multipliers to 13.5 GHz. Significantly reduced phase noise.	N522xB and N524xB starting Sep 2020.

SPAM Board

Version	Part Numbers	Unique Features	Where Used
4	N5264-60005 (no tabs)	-----	N5242A from 2007 to 2008. Cannot be used in "B" models.
4	N5245-60126 (no tabs) N5245-63126 (no tabs)	-----	N5242A/44A/45A PNA-X from 2008 to 2013. Cannot be used in "B" models.
5	N5240-60056 (tabs) N5240-63056 (tabs)	-----	N5247A, all N522xA and N523xA from 2010 to 2013.
5	N5240-60070 (no tabs) N5240-63070 (no tabs)	-----	N5242A/44A/45A PNA-X from 2013 to 2013.
5	N5240-60077 (tabs) N5240-63077 (tabs) N5240-60078 (no tabs) N5240-63078 (no tabs)	-----	All N52xxA and N52xxB from 2013 to present.

Test Set Motherboard

Part Numbers	Unique Features	Where Used
N5240-60043	2 MB Flash	N5242A from Feb 2007 to Nov 2009. Cannot be used in "B" models.
N5245-60003	4 MB Flash	N5241A/42A PNA-X from Apr/Nov 2009 to Jul 2013. N5221A/22A PNA from Aug 2011 to Jul 2013. N5244A/45A PNA-X from Jun 2009 to May 2012.
N5247-60001	4 MB Flash	N5247A PNA-X from Sep 2010 to Aug 2013. Cannot be used in "B" models.
N5245-60157	4 MB Flash	N5224A/25A/27A PNA from Aug 2011 to present. N5244A/45A PNA-X from May 2012 to present. N5247A PNA-X from Aug 2013 to present. N5224B/25B/27B PNA from Jun 2017 to present. N5244B/45B/47B PNA-X from Jun 2017 to present.
N5245-60163	4 MB Flash	N5221A/22A PNA from Jul 2013 to present. N5241A/42A PNA-X from Jul 2013 to present. N5221B/22B PNA from Jun 2017 to present. N5241B/42B PNA-X from Jun 2017 to present.
N5230-60134	4 MB Flash	N5231A/32A/34A/35A/39A PNA-L from Jun 2012 to present. N5231B/32B/34B/35B/39B PNA-L from Jun 2017 to present.