# Agilent Technologies
N5256AW01 and R01,
N5262AW01-W28 and R01-R28
VNA Extension Modules

The Agilent N5256AW01 and N5262AW01-W28 Transceiver Modules (Tx/Rx) and the N5256AR01 and N5262AR01-R28 Receiver Modules (Rx) are manufactured by Virginia Diodes, Inc. (VDI). These modules may be used with the Agilent N5222/24/25/27A PNA or N5242/44/45/47A PNA-X with Options 080 and 400 or 224, or the Agilent N5261/62A Controller to configure a banded millimeter-wave network analyzer system.

The power supply, power cord and cable set can be ordered with the module, or individually. The transport case has cutouts for the power supply, cable set and USB drive, simply remove the foam inserts.

Refer to the modules numbers below to order the cable set or power supply individually.

- Cable Set modules N5260AKCBL

- Power Supply modules N5262APSU

Cable Sets

Transport Case

Power Supply
(N5262APSU or N5256VDI-175)

USB Drive   VDI Module

AC Power Cable
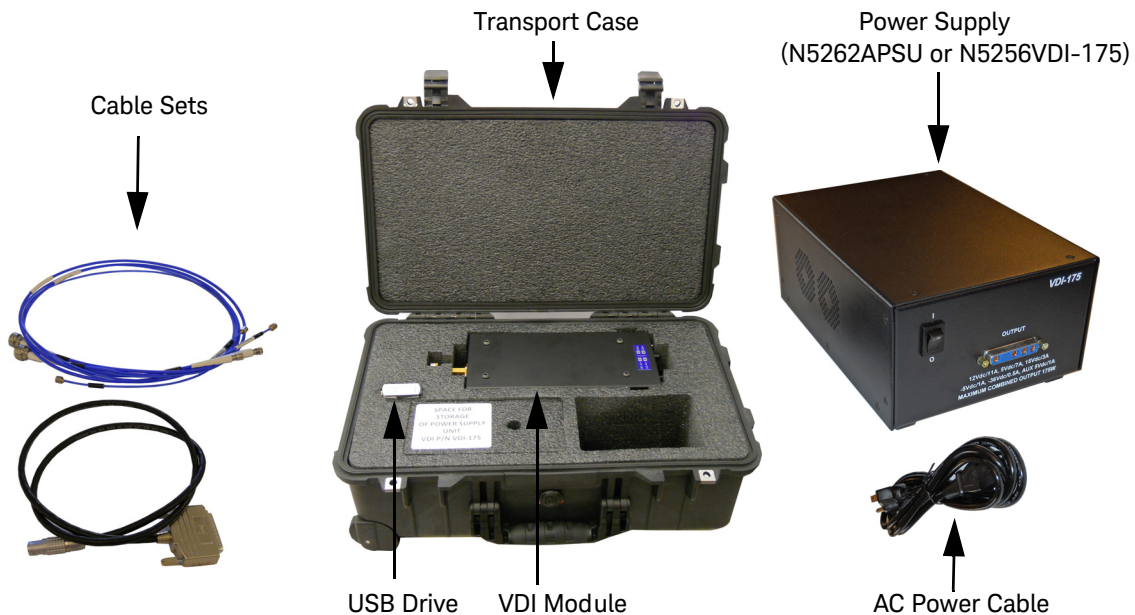
Inspect the shipping container. If the container or packing material is damaged, it should be kept until the contents of the shipment have been checked mechanically and electrically. If there is mechanical damage or if the instrument does not pass the performance tests, notify the nearest Agilent Technologies office. Keep the damaged shipping materials (if any) for inspection by the carrier and an Agilent Technologies representative.

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Table 1   Tx/Rx Transceiver Modules with Attenuators

Waveguide Flange	Frequency (GHz)	N5222A or N5242A	N5224/25/27A or N5244/45/47A	N5261/62A
WR15	50 to 75	N5262AW15-021	N5262AW15-001	N5262AW15-T21
WR10	75 to 110	N5262AW10-021	N5262AW10-001	N5262AW10-T21
WR8.0	90 to 140	N5262AW08-021	N5262AW08-001	N5262AW08-T21
WR6.5	110 to 170	N5262AW06-021	N5262AW06-001	N5262AW06-T21
WR5.1	140 to 220	N5262AW05-021	N5262AW05-001	N5262AW05-T21
WR3.4	220 to 325	N5262AW03-021	N5262AW03-001	N5262AW03-T21
WR2.8	260 to 400	N5262AW28-021	N5262AW28-001	N5262AW28-T21
WR2.2	325 to 500	N5262AW02-021	N5262AW02-001	N5262AW02-T21
WR1.5	500 to 750	N5262AW01-021	N5262AW01-001	not available
WR1.0	750 to 1100	no attenuator option	no attenuator option	not available

Table 2   Tx/Rx Transceiver Modules without Attenuators

Waveguide Flange	Frequency (GHz)	N5222A or N5242A	N5224/25/27A or N5244/45/47A	N5261/62A
WR15	50 to 75	N5262AW15-026	N5262AW15-STD	N5262AW15-TST
WR10	75 to 110	N5262AW10-026	N5262AW10-STD	N5262AW10-TST
WR8.0	90 to 140	N5262AW08-026	N5262AW08-STD	N5262AW08-TST
WR6.5	110 to 170	N5262AW06-026	N5262AW06-STD	N5262AW06-TST
WR5.1	140 to 220	N5262AW05-026	N5262AW05-STD	N5262AW05-TST
WR3.4	220 to 325	N5262AW03-026	N5262AW03-STD	N5262AW03-TST
WR2.8	260 to 400	N5262AW28-021	N5262AW28-STD	N5262AW28-TST
WR2.2	325 to 500	N5262AW02-026	N5262AW02-STD	N5262AW02-TST
WR1.5	500 to 750	N5256AW01-026	N5256AW01-STD	not available
WR1.0	750 to 1100	N5262AW01-026	N5262AW01-STD	not available

Table 3   Rx Receiver Modules

Waveguide Flange	Frequency (GHz)	N5222A *or* N5242A	N5224/25/27A *or* N5244/45/47A	N5261/62A
WR15	50 to 75	N5262AR15-026	N5262AR15-STD	N5262AR15-TST
WR10	75 to 110	N5262AR10-026	N5262AR10-STD	N5262AR10-TST
WR8.0	90 to 140	N5262AR08-026	N5262AR08-STD	N5262AR08-TST
WR6.5	110 to 170	N5262AR06-026	N5262AR06-STD	N5262AR06-TST
WR5.1	140 to 220	N5262AR05-026	N5262AR05-STD	N5262AR05-TST
WR3.4	220 to 325	N5262AR03-026	N5262AR03-STD	N5262AR03-TST
WR2.8	260 to 400	N5262AR28-026	N5262AR28-001	N5262AR28-TST
WR2.2	325 to 500	N5262AR02-026	N5262AR02-STD	N5262AR02-TST
WR1.5	500 to 750	N5256AR01-026	N5256AR01-STD	not available
WR1.0	750 to 1100	N5262AR01-026	N5262AR01-STD	not available

Table 4   Available Cable Sets

TxRx IF (x2), LO, RF and DC Power	Rx IF, LO and DC Power	Description
N5262AWCBL-501	N5262ARCBL-501	1.2 m cable set for controller
N5262AWCBL-505	N5262ARCBL-505	5 m cable set for controller
N5262AWCBL-201	N5262ARCBL-201	1.2 m cable set for 26.5 GHz PNA or PNA-X
N5262AWCBL-205	N5262ARCBL-205	5 m cable set for 26.5 GHz PNA or PNA-X
N5262AWCBL-401	N5262ARCBL-401	1.2 m cable set for › 43 GHz PNA or PNA-X
N5262AWCBL-405	N5262ARCBL-405	5 m cable set for › 43 GHz PNA or PNA-X

Regulatory Information

Instrument Markings

This section contains information that is required by various government regulatory agencies.

Symbol	Description
⚠	The instruction documentation symbol. The product is marked with this symbol when it is necessary for the user to refer to the instructions in the documentation.
∼	The AC symbol indicates the required nature of the line module input power.
🗑	This symbol indicates separate collection for electrical and electronic equipment, mandated under EU law as of August 13, 2005. All electric and electronic equipment are required to be separated from normal waste for disposal (Reference WEEE Directive, 2002/96/EC).
❘	This symbol indicates that the power line switch is ON.
◯	This symbol indicates that the power line switch is in the OFF position.
IP 2 0	The instrument has been designed to meet the requirements of IP 2 0 for egress and operational environment.
N10149	This is a required mark signifying compliance with an EMC requirement. The C-Tick mark is a registered trademark of the Australian Spectrum Management Agency.
40	Indicates the time period during which no hazardous or toxic substance elements are expected to leak or deteriorate during normal use. Forty years is the expected useful life of the product.
CE	The CE mark is a registered trademark of the European Community. (If accompanied by a year, it is when the design was proven.)
KC	South Korean Certification (KC) mark; includes the marking's identifier code which follows this format: MSIP-REM-YYY-ZZZZZZZZZZZZZZ.

EMI and EMC Compliance

Complies with European EMC Directive 2004/108/EC

- IEC/EN 61326-1

- CISPR Pub 11 Group 1, class A

- AS/NZS CISPR 11

- ICES/NMB-001
  This ISM device complies with Canadian ICES-001.
  Cet appareil ISM est conforme a la norme NMB du Canada.

- South Korean Class A EMC declaration: This equipment is Class A suitable for professional use and is for use in electromagnetic environments outside of the home

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http://www.agilent.com/find/assist

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http://www.agilent.com/find

If you do not have access to the Internet, contact your field engineer.

NOTE   In any correspondence or telephone conversation, refer to the Agilent product by its model number and full serial number. With this information, the Agilent representative can determine the warranty status of your unit.