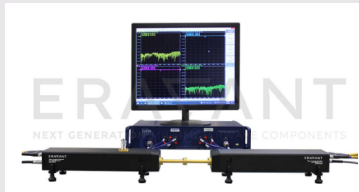


# ERAVANT

FORMERLY SAGE MILLIMETER

## NEW VNA EXTENDERS AND MILLIMETER TEST PRODUCTS TO OPTIMISE EFFICIENCY AND PERFORMANCE

- VNA Frequency Extenders
- Proxi-Flange - Contactless Flange Waveguide
- Wave-Glide - Rail System for mmW Tests



**Eravant's VNA Extenders are compatible with:**

- Keysight, Rohde and Schwarz (R&S) Anritsu VectorStar and Copper Mountain Technologies (CMT)

### Benefits of Eravant's VNA Extenders:

- High performance and competitively priced
- Offered in a pair (2 complete TX/RX modules) with full [S] parameter testing
- Dynamic range of up to 110 dB and includes precision micro-meter adjustable attenuator with 30 dB range
- Two Proxi-Flange contactless waveguides included and power adaptors

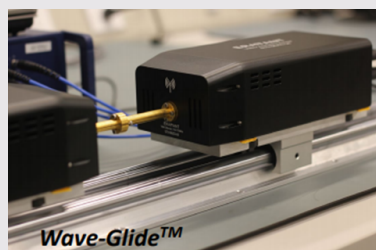
### VNA Extenders are offered in 7 banded frequencies:

- WR-15 (50 to 75 GHz)
- WR-12 (60 to 90 GHz)
- WR-10 (75 to 100 GHz)
- WR-08 (90 to 140 GHz)
- WR-06 (110 to 170 GHz)
- WR-05 (140 to 220 GHz)
- WR-03 (220 to 330 GHz)



[Click here for full range of VNA Extenders provided](#)

## Wave-Glide™ Rail System



- Assures repeatable precision alignment of frequency extender heads for mmW test
- Reduces set up time
- Optimises performance by eliminating mis-alignment conditions
- Especially effective when used with the Proxi-Flange™ range

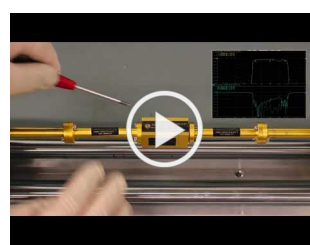
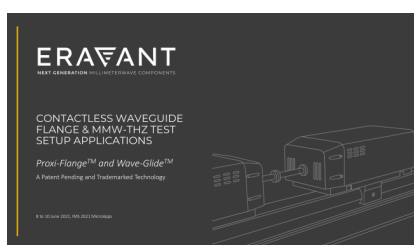
[Click here for full range of Wave-Glide products provided](#)

## Proxi-Flange™ Contactless Flange



[Click here for full range of Proxi-Flange products provided](#)

- To enhance the mmW VNA test system, Eravant has introduced a contactless flange design
- Contactless Flange is a waveguide section with a novel flange design which forms the RF choke when making contact to another waveguide flange to eliminate the need of perfect mechanical connection
- Offered in 6 waveguide bands covering the frequency range of 50 to 220 GHz



[Learn more about Eravant](#)

[Contact Melcom - for detailed specification, pricing & availability](#)



VNA Extenders can be matched with four VNA options

#### C4209 2-Port 9 GHz VNA



[Datasheet](#)

- Frequency range\* 100 kHz to 9.0 GHz
- Test port connector type N, female
- Number of test ports 2 ports
- Direct Access (Source, Ref, and Meas) No
- Full frequency accuracy  $\pm 2 \cdot 10^{-6}$
- Frequency resolution 1 Hz
- Number of measurement points 2 to 500,001
- Measurement bandwidths (with 1/1.5/2/3/5/7 steps) 1 Hz to 2 MHz
- Dynamic range<sup>2</sup>
  - 100 kHz to 1 MHz 105 dB
  - 1 MHz to 8 GHz 148 dB (152 dB typ.)
  - 8 GHz to 9 GHz 138 dB (142 dB typ.)

#### C4409 4-Port 9 GHz VNA



[Datasheet](#)

- Frequency range\* 100 kHz to 9.0 GHz
- Test port connector type N, female
- Number of test ports 4 ports
- Direct Access (Source, Ref, and Meas) No
- Full frequency accuracy  $\pm 2 \cdot 10^{-6}$
- Frequency resolution 1 Hz
- Number of measurement points 2 to 500,001
- Measurement bandwidths (with 1/1.5/2/3/5/7 steps) 1 Hz to 2 MHz
- Dynamic range<sup>2</sup>
  - 100 kHz to 1 MHz 105 dB
  - 1 MHz to 8 GHz 148 dB (152 dB typ.)
  - 8 GHz to 9 GHz 138 dB (142 dB typ.)

#### C4420 2-Port 20 GHz VNA



[Datasheet](#)

- Frequency range 100 kHz to 20.0 GHz
- Test port connector NMD 3.5 mm, male
- Number of test ports 2
- Direct access No
- Full frequency accuracy  $\pm 2 \cdot 10^{-6}$
- Frequency resolution 1 Hz
- Number of measurement points 2 to 500,001
- Measurement bandwidths (with 1/1.5/2/3/5/7 steps) 1 Hz to 2 MHz
- Dynamic range<sup>2</sup>
  - 100 kHz to 1 MHz 110 dB
  - 1 MHz to 20 GHz 133 dB (135 dB typ.)

#### C4420 4-Port 20 GHz VNA



[Datasheet](#)

- Frequency range 100 kHz to 20.0 GHz
- Test port connector NMD 3.5 mm, male
- Number of test ports 4
- Direct access No
- Frequency range 100 kHz to 20.0 GHz
- Full frequency accuracy  $\pm 2 \cdot 10^{-6}$
- Frequency resolution 1 Hz
- Number of measurement points 2 to 500,001
- Measurement bandwidths (with 1/1.5/2/3/5/7 steps) 1 Hz to 2 MHz
- Dynamic range<sup>2</sup>
  - 100 kHz to 1 MHz 110 dB
  - 1 MHz to 20 GHz 133 dB (135 dB typ.)

[Learn more about Copper Mountain Technologies](#)

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