ERA\ANT

NOISE FIGURE MEASUREMENT

- Noise Figure mMeasurements up to 325 GHz
- Multiple Measurement Methods Available



Eravant offers precise and reliable noise figure testing services for amplifier components, employing the Y-factor method as the most common approach. This method uses a calibrated noise source that switches on and off to characterize the noise figure accurately. Eravant has developed a wide range of noise source products, using both cross-calibration and the LN2 method for noise source calibration, which is also available as a service. Our in-house developed noise sources operate up to 325 GHz, ensuring that for Y-factor noise figure testing, Eravant leads the industry.

In addition to the Y-factor method, Eravant is at the forefront of developing alternative testing methods such as the Cold source method and the PNA-X method, leveraging cutting-edge Keysight VNA technology and specialized noise figure extenders (Keysight PNA-X Noise Figure Extenders).

Test services offered by Eravant require close coordination and interaction between customers and our technical staff. Both on-site and remote testing options are offered. Eravant is located in Torrance CA, a short drive from Los Angeles International Airport (LAX).



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Service Numbers	DUT Type	Frequency Range
FTNF-0265-S1	Coaxial	0.1- 26.5 GHz
FTNF-0400-S1	Coaxial	0.1- 40 GHz
FTNF-0500-S1	Coaxial	0.1- 50 GHz
FTNF-0670-S1	Coaxial	0.1- 67GHz
FTNF-1100-S1	Coaxial	0.1- 110GHz
FTNF-NRRW-S1	Coaxial	Narrow Band (Not cross-band) For example: 35GHz to 38.5GHz
FTNF-CRSS-S1	Coaxial	Cross Band or Extended Frequency For example: 46GHz to 55 GHz
FTNF-WR15-S1	Waveguide	WR-15 (50 to 75 GHz)
FTNF-WR12-S1	Waveguide	WR-12 (60 to 90 GHz)
FTNF-WR10-S1	Waveguide	WR-10 (75 to 110 GHz)
FTNF-WR08-S1	Waveguide	WR-08 (90 to 140 GHz)
FTNF-WR06-S1	Waveguide	WR-06 (110 to 170 GHz)
FTNF-WR05-S1	Waveguide	WR-05 (140 220 GHz)

Noise Figure and Gain Testing Service for Amplifiers or Transceivers. The following tests will be performed and a spreadsheet report with the tabulated data will be provided: NF, Gain vs Frequency

Note: Before purchasing service, please contact our representatives and providing the details of the DUT.