



Noise Figure Test & Measurement Frequency Extension Systems

Farran's FBC & WGNS frequency extenders modules combine to give a dedicated Test & Measurement solution for Noise Figure performance testing.

The system comprises of the noise source and receiver units that enable accurate noise figure measurements up to 170 GHz.

This compact and lightweight system allows you to use your existing baseband noise figure analyzer and extend its operational range to the frequency of interest. Farran's Noise Figure Frequency Extension Systems are a cost effective way to expand your test capability into the millimeter wave range.

With Farran's FBC noise figure measurement extension solution you can:

- Extend the range of your existing equipment in the most cost effective way.
- Achieve full waveguide band coverage with sweep and step frequency capability.
- Interface with compatible Keysight, R&S, noise figure analyzers.

“I have searched for broadband, yet lightweight, frequency extension solutions to upgrade our antenna range to millimeter waves. We wanted to ensure compatibility with our existing equipment while minimising the need to reconfigure the system when switching between coaxial and mm-wave modes. I think we found all that and much more, with Farran's AET/AER solution.”

Pierre Michel, Head of Product Management & Development, France



- Lightweight and low complexity make it an ideal solution for use with existing systems
- Fully compatible with Y-factor based noise figure analyzers



- Accurate millimeter wave noise figure & gain measurements



Product Features and Benefits

Farran's Noise Figure Measurement Frequency Extension Systems enable highly accurate measurement of Noise Figure performance using your existing hardware up to 170 GHz.

The system leverages on seamless compatibility with noise figure analyzers of all major equipment suppliers. The small form factor and light weight of all Farran extension modules which allow for the use of lighter mounting structures, eliminating the need for complex and expensive positioners without compromising on accuracy of some measurements.

Full band operation with excellent gain and noise figure performance allows the overall system accuracy to be maximised. Farran's Noise Figure Frequency Extension Systems offer unparalleled value when upgrading an existing or configuring new equipment for high frequency noise figure measurements.



SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance
- Application Support
- Hardware Support

For more information on any of our products or services please visit our website: www.farran.com



TECHNICAL SUPPORT

- Technical support provided directly by our knowledgeable and friendly engineers.
- Support for pre- and post-purchase: system configuration, installation and troubleshooting.



GLOBAL REP NETWORK

- Support queries answered by our responsive Global Rep Network in over 25 countries worldwide.



WARRANTY

- Standard 3 year warranty.
- Up to 5 year warranty optional.

System Requirements

- Keysight, R&S or equivalent noise figure application based on Y-factor method of noise figure.
- Cables and power supplies provided.
- Custom solutions available.
- For a full check of compatibility with your equipment contact Farran Support on: www.farran.com/support

