STATEMENT OF WORK
Signal and Spectrum analyzer 5/7/2014 –revised 5/28/2014

PR: _4200507923_____

Background

- The project is to determine the frequency response of various microwave signals or noise sources.
- This project will help characterize various power sources which are useful in calibration procedures. In addition, it can be used to characterize microwave mixer to determines its output spurious responses. This device is related to various project from cryogenic microwave detector characterization to room temperature amplifier or noise source calibrations for radiometer.
- Since this is a standard electronic equipment, it has no special statutory or applicable regulations.

Scope

- The work is to provide the spectrum analyzer equipment with the required specifications to NASA Goddard within five weeks upon receiving this order.

Requirements

- Microwave power spectrum measurement from 1 GHz to 30 GHz.
- External mixer port connection to local oscillator (LO)/ intermediate frequency (IF).
- Low phase noise of -155 dBm (or better) at 1 GHz.
- 1 year parts and service warranty

Deliverables or Delivery Schedule

- The procurement is for one unit of microwave spectrum analyzer.
- Once the vendor receives this contract, the equipment shall be delivered to NASA Goddard within five working weeks.
- The vendor shall provide all documentation necessary to operate the equipment – either in paper or electronics format.

Government-Furnished Equipment and Government-Furnished Information

- There is no Government-furnished equipment (GPE) and Government-furnished information (GFI) for this procurement.
- There are no limitations to be provided to the contractor

Place of Performance

- The procurement requires no work to be performed at a Government site.

Period of Performance

- **The performance period is five weeks once the procurement is completed.**