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MaXentric Technologies, LLC, founded in 2003, is an advanced research, development, and consulting company. Along the way, we have built a portfolio of technologies that service both commercial and government markets. Today, we are working on several components of the next generation of mobile platforms. We believe that intelligent engineering through the development of innovative products and services can significantly enhance and create value for our clients.

Description of laboratory facilities

MaXentric RF/Microwave Laboratory

MaXentric's current facilities include a RF/Microwave Lab, shown below. As part of our ongoing contracts, including many microwave and satellite communication projects, MaXentric has acquired key high-end testing equipment that has been used to build a sophisticated RF/ μ wave/millimeter wave laboratory. These include a spectrum analyzer, signal generator, RF test enclosure, and RF power meter capable of performing up to/beyond V-band frequencies.

This equipment will provide the highest sensitivity, accuracy, and control over any laboratory testing. MaXentric also has powerful software tools, such as: Remcom suite of ray-tracing simulation tools, MATLAB, AWR Visual System Simulator & Microwave Office, ADS,



Available test and measurement equipment include:

- Keysight ENA Network Analyzer
- Keysight PSG/MXG Signal Generators (Up to 60GHz)
- Keysight EXA/MXA Spectrum Analyzers
- Keysight DSO Digital Sampling Oscilloscopes
- Keysight NFA Noise Figure Analyzer (Extended to 90GHz)
- Keysight P-Series Power Meter (w/ V8486A 50-75GHz WR-15 Power head)
- Tektronix AWG Arbitrary Waveform Generator