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Author: Joe Esposito

Email: joesposito8111@yahoo.com

Phone: 918-639-3421

In future field-testing of ELECTROMAGNETIC RADIATION and the Smart Meters installed in Oklahoma by OG&E and other power companies, we will be using specialized RF meter reading equipment.

Pictured below is the [HFE35C RF Meter](#) made by [Gigahertz Solutions](#) in Germany, and purchased from [Safe Living Technologies](#), Inc.



During testing, we will use two different antennas to aid in our research: a directional Log Per-Antenna (above, left) and a non-directional UBB227-Antenna (above, right).

Smart Meters have two microwave radio frequency transmitters in them. One is a (LAN) Local Area Network (900MHz) and the other is a [ZigBee \(2.4 GHz\)](#) SoC module. (SoC = software on a chip).

Using the above RF Meters, EF readings may be at 199.9 micro W/m² or 1999.9 micro W/m² on the Peak setting. (W/m = microwatts per meter squared.)