Managing Power Consumption
Via Satellite & FM Radio Technologies

Products demonstrated:

- e-Radio Development Prototype CEA 2045 UCM (AC interface) for FM RDS WAN
- e-Radio Pre-Production Prototype CEA 2045 UCM (DC interface) for FM RDS WAN

Company perspective on ANSI / CEA 2045:

The CEA 2045 strategy – providing a modular plug-in interface with base support for demand response and optional capability to provide more advanced smart grid features – enables greater flexibility for communication providers. It provides a quick-to-market roadmap for simple and easy-to-use (consumer-centric) devices with the ability to enable future smart-grid requirements as they become important to customers.

How It Works

The Power Company

Power Company sends real-time advisory via internet to reduce electricity consumption (e.g., “reduce all thermostats one degree”)

Galaxy 16 Satellite

e-Radio Operations Center

e-Radio formats and forwards Power Company advisory to PRSS

Public Radio Satellite System (PRSS)

PRSS sends Power Company command via satellite to radio station

Local Public Radio Station

Station receives command from satellite and relays it via FM transmitter to its modular communication interface in consumer home appliances

Public Radio Satellite System®

WYES

HVAC (Air Conditioners)

Refrigerators

Dishwashers

Water Heaters

For More Information:

http://www.e-radiousa.com/ | E-mail: admin@e-radioinc.com | http://www.prss.org | Email: prssplanning@npr.org