

**FOR IMMEDIATE RELEASE**

**See the Live Demo at the EMC show booth 321, August 8 - 10**  
**New simplified test setup and industry first scalable power amplifier architecture**

Empower RF Systems is conducting remote live demonstrations of our broadband, high power 1KW 1 to 3 GHz amplifier, Booth 321.

The amplifier will be housed in Los Angeles and viewed in the IEEE EMC exhibit venue with live streaming video while remotely controlling the amplifier from the exhibit floor through a standard web browser. What you will see is a demonstration of remote operation of the Empower 2170 1KW RF amplifier in a test setup that includes a signal generator, spectrum analyzer, external power meter, and load, simulating various test and modulation scenarios.

"Empower is bringing the element of portability to high power RF amplifiers with small size that allows these amplifiers to be conveniently shipped for offsite testing and moved around as needed within your test environment."

In addition to industry leading size / weight / power performance, the demonstration team is eager to talk about industry first capabilities that will change the way you test.

**Simplify Your Testing. Why?**

Speeding up your Radiated Immunity sweeps while using fewer external instruments with our ALC mode will save you money. You simply communicate a command to the amplifier for the desired output power required - never mind adjusting for the roller coaster output vs frequency curves of old technology amplifiers. Here's how it works: set the sig gen frequency with power level +/-3dBm and leave it, tell amp the power out you want, read field probe V/m, calculate, tell the amp the power you want. Repeat. By instructing the amplifier to maintain a specific power level, the desired E field can be reached with an order of magnitude fewer incremental power steps. Be sure to stop by the booth to get more specifics on accomplishing shortened test times.

**Simplify your RADIATED IMMUNITY TEST SETUP**

*Before*

RF SOURCE → POWER AMPLIFIER → DUAL DIRECTIONAL COUPLER → POWER METER → RADIATING ANTENNA → DEVICE UNDER TEST → FIELD PROBE

PC w/LAN → FIELD MONITOR → POWER METER

ANECHOIC OR SHIELDED CHAMBER

*After*

*LXI Optional*

RF SOURCE → POWER AMPLIFIER → RADIATING ANTENNA → DEVICE UNDER TEST → FIELD PROBE

ANECHOIC OR SHIELDED CHAMBER

- Vertically Integrated
- Software-Definable HPA

**CONFIGURABLE Power Amplifiers**

**EMC+SIPI BOOTH 321**

**EMPOWER RF SYSTEMS, INC.**

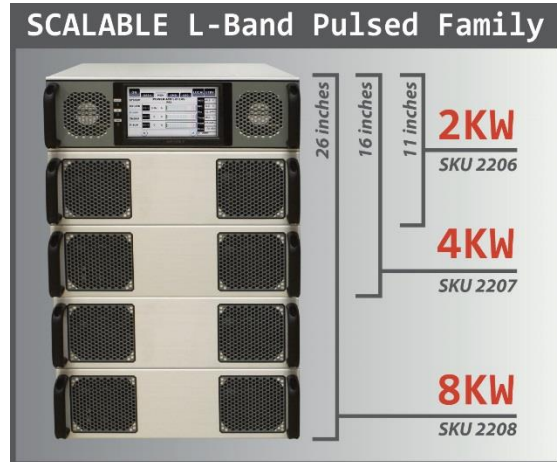
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Empower RF Systems, Inc. Press Materials  
Distribution: Unlimited  
Author Date: July 31, 2017.

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**Scalability. What is it?**

We developed this industry first scalable architecture as way to supply a large variety of output power levels to many different customers and applications, but with only one fundamental design effort from our engineering group. The benefit to you is reducing your lifetime capital spend on amplifiers since you buy only the power you need today and add power amplifier blocks later when your test or application requires more output power. Adding 3U power amplifier blocks is accomplished easily and simply with no factory return or special handling for phase matching required.



Empower RF Systems is the technological leader in smart power amplifier solutions for EMC, Radar, EW, Threat Simulation, Communications, and Product Test. Incorporating the latest semiconductor and power combining technologies with a patented architecture, we build the most sophisticated and flexible COTS system amplifiers in the world. Solutions range from tens of watts to multi-Kilowatt and include basic PA modules to intelligent scalable rack systems with AGC and ALC output modes. In addition to best-in-class SWaP, our Next Generation amplifiers have sophisticated RF detection to maximize efficiency for a variety of modulation schemes including QAM-xx, OFDM, Multi-tone, Pulse, AM, FM, and more.

Visit Empower RF website: <http://www.EmpowerRF.com>

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