

NEXT GENERATION SOFTWARE ARCHITECTURE

User interface capabilities of Empower Next Generation power amplifiers allow the user to initiate remote management and diagnostics via an embedded web server, enabling network managed site status and control simply by connecting the unit's Ethernet port to a LAN or accessing the unit's IP address via a wireless device. For machine to machine interface (M2M), Empower offers TCP/IP or UDP protocol sockets accessed through the Ethernet port. This is a new and unique feature of Empower's next generation "size matters" RF amplifiers.



Capabilities

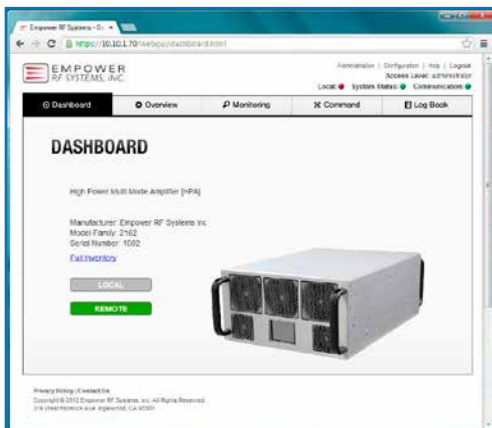
- ☑ Uses standard web browser
- ☑ Real time power amplifier diagnostics
- ☑ Separate application is handling the RF monitoring and control
- ☑ Ability to pull the HPA into a "network" of end user system components

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FEATURE RICH MENU EXAMPLE: SYSTEM 2162

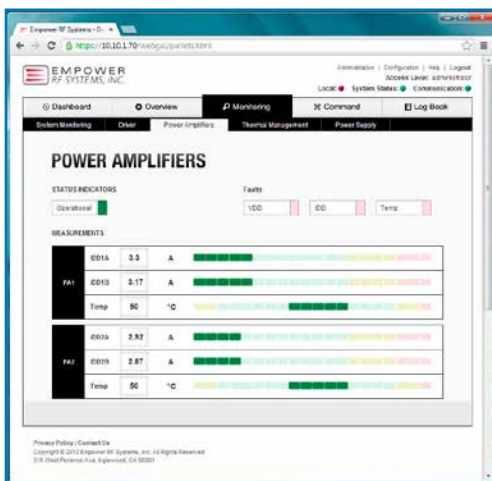
DASHBOARD

This is the welcome page that appears at system turn on. It includes user selected “modes” for local or remote operation. Please also note that the gray tabs on the top of the dashboard page are how you navigate to other screens.



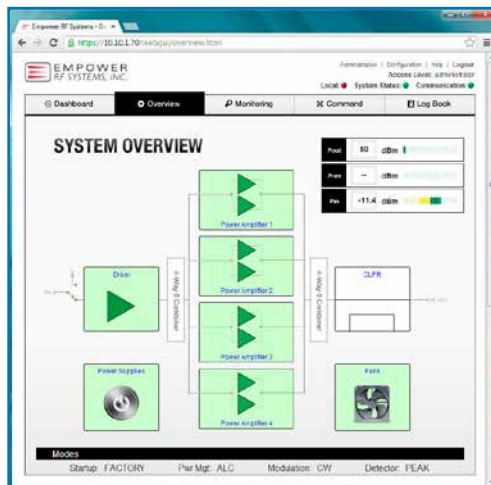
POWER AMPLIFIERS

Integral to the performance of the overall HPA, this display provides operating conditions and “wellness” for each of the RF output pallets. Color coded status for operating conditions and fault indicators provide additional visual feedback to the user.



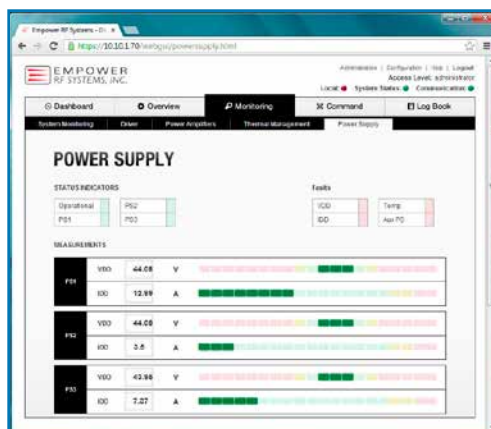
SYSTEM OVERVIEW

This screen highlights all “reporting” locations for status of key components in the RF and power management chain. Click on any of the functional blocks for a more specific look at that component.



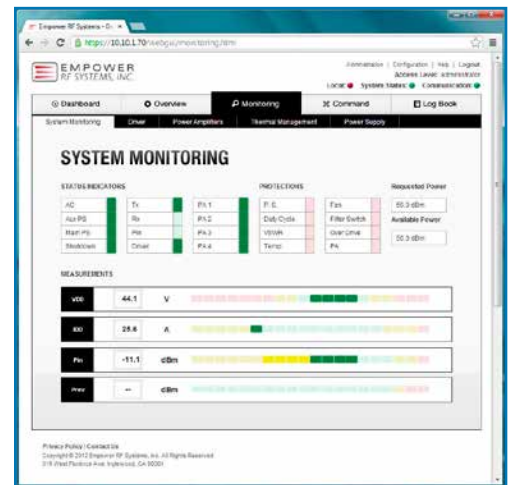
POWER SUPPLY

This view provides “at a glance” status and operating conditions for the modular power supplies that are integral to the HPA. In this particular example, there are three power supplies and each is reporting voltage and current. Fault conditions, if applicable, would also be flagged (color coded) on this screen.



SYSTEM MONITORING

This “at a glance” presentation of top level, system operating conditions allows the user to quickly scan for any issues - color coding and numerical values provide quick visual status.



COMMAND

User controlled settings for output power and operational modes are set from this page. The amplifier can also be “commanded” into standby from this page.

