



THE LINCOLN ELECTRIC COMPANY
22801 Saint Clair Avenue • Cleveland, Ohio 44117 • U.S.A. Tel: +1 (216) 481-8100 • Fax: +1 (216) 486-1751

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To Whom It May Concern:

Subject: Methods used for limiting the WLAN transmit frequency range and output power of the G8814 Power Wave Communication Kit.

The purpose of this letter is to describe the methods used to limit the operating frequency and output power of the WLAN transmitter in the G8816 Power Wave Communication Kit.

The operating channels are limited to channels 1 through 11 of the 2.4GHz ISM band for 20MHz channel bandwidth. These channel limitations are enforced using the following method:

Restricted access to WLAN configuration tools:

As the device is configured from the factory, it is impossible for any third party (users, installers, integrators, service personnel, etc.) to gain access to any parameters through the user interface which can configure the device to operate on WLAN channels 12, 13, or 14. Furthermore, Lincoln Electric provides no means for a third party to configure the device through an authorized software modification or by network configuration to allow the device to operate on WLAN channels 12, 13, or 14.

The EUT does NOT have the ability to operate at different power levels.

The power levels are set via firmware. This firmware is installed onto the radio module at the factory. The user has no access to any power level control. In addition, the module will be programmed at the factory to only operate and actively scan on these specific channels:

Channels 1-11, 2412-2462 MHz 802.11b mode
Channels 1-11, 2412-2462 MHz 802.11g mode
Channels 1-11, 2412-2462 MHz 802.11n mode (20MHz channel)

Samir Farah
Compliance Engineering Manager
The Lincoln Electric Company