



July 13, 2011

Dear Examiner,

The Xirrus Model XR4000 series product software will only allow the user to select channels and power levels that have been tested and approved for use in the respective country. Products shipped in the US are designed to only use channels 1 - 11 in the 2400 MHz band and the UNII channels are limited to channels 36 – 64, channels 100 – 116, 132 - 140 and channels 149 - 161. There is no way for the user to select a channel outside of this range. The unit does not allow operation in the 5600MHz to 5650MHz band. The software also checks the channel separation in the 2400 MHz band and will not allow selection of channels with less than 20MHz channel separation. This insures that no two transmitters can be tuned to the same channel and that no two channels can be within 20MHz of each other. Only 3, 20MHz bandwidth channels can be used in the 2.4 GHz band to ensure that channels do not overlap:

Channel 1, channel 5 and channel 9 or 10 or 11;
Channel 1, channel 6 and channel 10 or 11;
Channel 2, channel 7 and channel 11;
Channel 3, channel 7 and channel 11.

Only 1 40MHz bandwidth channel can be enabled at a time.

The maximum transmit power for each channel is hard coded into each radio. Even if the user requests a higher power, the radio firmware will limit the output power to the approved level.

Further, the firmware will adjust the output power for transceivers operating in the NII/LELAN band to ensure that the total power in the band remains below the 17dBm total output power / 23dBm eirp limits (5150-5250 MHz) and 24 dBm output power / 30dBm eirp limits (5250-5350 MHz and 5470-5725 MHz).

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Smith".

Steve Smith
VP hardware Engineering