May 1998 doc.: IEEE 802.11-98/178

# FCC Regulations and Backoff

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# Peak Power in FCC Regulations

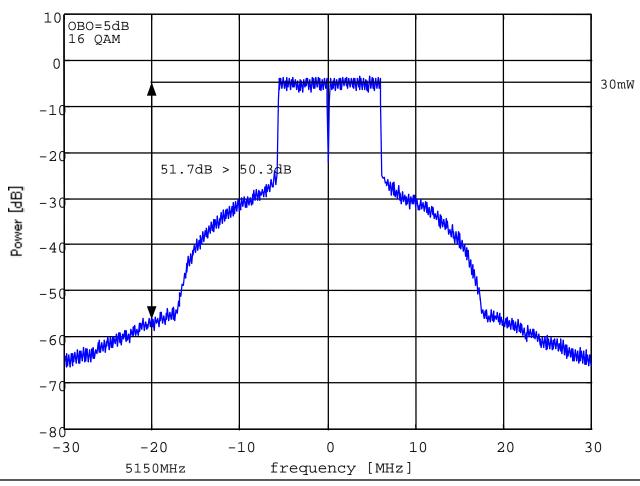
15.401 Scope.

This subpart sets out the regulations for unlicensed National Information Infrastructure (U-NII) devices operating in the 5.15 - 5.35 GHz and 5.725 - 5.825 GHz bands.

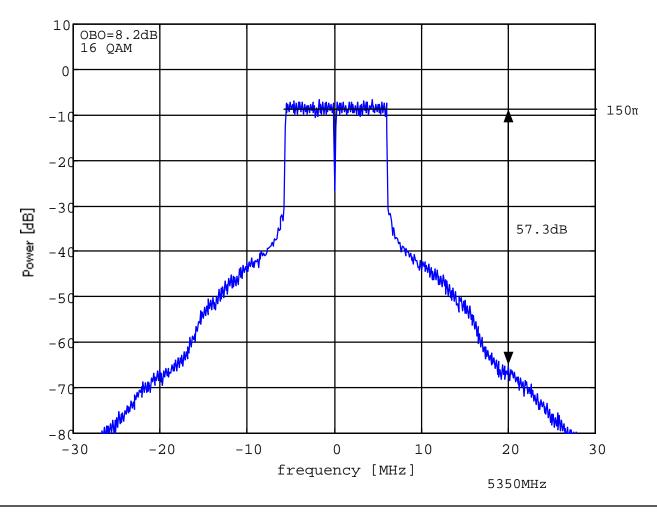
#### 15.403 Definitions.

- (a) U-NII devices [Unlicensed]. Intentional radiators operating in the frequency bands 5.15 -5.35 GHz and 5.725 5.825 GHz that provide a wide array of wideband, high data rate, digital, mobile and fixed communications for individuals, businesses, and institutions.
- (b) <u>Peak transmit power</u>. The peak power output as <u>measured over an interval</u> <u>of time equal to the frame rate or transmission burst</u> of the device under all conditions of modulation. Usually this parameter is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used.

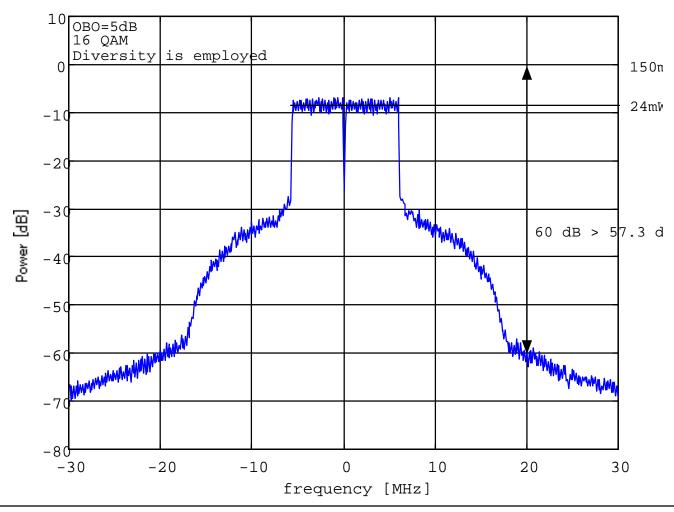
### Backoff: 5 dB



# Backoff for Restricted Edge



# Backoff with Diversity



## Backoff for Restricted Regulation

(Psat=250 mW)

