

# Regulatory Update

06 March 2013

## China

### **5150MHz – 5350MHz band has been opened for WLAN products since from 31st Dec 2012.**

The Ministry of Industry and Information Technology of China (MIIT) has published the notification of opening up of the spectrum between 5150 and 5350MHz for use by Wireless LAN products.

The basic technical parameters for the new band are as follow;

- 1) Operating frequency range: 5150-5350MHz;
- 2) E.I.R.P: 200mW;
- 3) Power spectrum density(e.i.r.p): 10dBm/MHz;
- 4) Carrier frequency tolerance:  $20 \times 10^{-6}$ ;
- 5) Max power at band-edge frequency (e.i.r.p): -80dBm/Hz;
- 6) Spurious emission limits:
  - 36dBm/100kHz (30-1000MHz);
  - 54dBm/100kHz (48.5-72.5MHz, 76-118MHz, 167-223MHz, 470-798MHz);
  - 40dBm/1MHz (2400-2483.5MHz);
  - 33dBm/100kHz (5150-5350MHz);
  - 40dBm/1MHz (5470-5850MHz);
  - 30dBm/1MHz (other bands in 1-40GHz)

In addition, the max bandwidth allowed for the new 5GHz band is 160MHz; also, beam-forming antennas are allowed for use by 5GHz WLAN product.

For further information on this article, please contact

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