



28 November 2006

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046

Dear Sir/Madam,

**Differences on Conducted Peak Output Power Measurement in Profile 0 Mode**

The current measurements of the conducted peak output power in Profile 0 mode were about 1.7 dB below the previous measurements. These differences may be due to

- 1) the tolerance of the measuring equipment and method which may have  $\pm 0.5$  dB;
- 2) the tolerance of our production procedure which is  $\pm 0.5$  dB;
- 3) The total (cumulative) tolerance from the above is  $\pm 1.0$  dB, a total range of 2.0 dB.
- 4) The software pseudo random data of generating continuous transmitting power in test mode is modified to be more representative to the worst case. This affects that the power spectrum of the transmitting signals in Profile 0 is spreaded to a wider bandwidth with a flatter profile. Since in the RBW of 100KHz defined by FCC for measuring power, the measurement will not cover the whole power spectrum of our signal, hence the more the spectrum is spread wider and flatter the lower we will see the measured value. In fact if we set the RBW to 1MHz, thus covering all the spectral content, then the measured values were similar in all profiles.

Sincerely,

Dr. Albert Lai  
VP of Product Engineering  
Convergence Systems Limited