



July 24, 2007

American TCB  
6731 Whittier Avenue Suite C110  
McLean, VA 22101  
USA

Subject: FCC ID: E2KWM3945ABG

Gentlemen:

Please be advised that EMI testing for this application was done for antennas worst case gain per frequency band. Antenna data sheets submitted indicate that the antenna manufactured by Foxconn is a Planar Inverted F Antenna (PIFA) and the antenna manufactured by Amphenol is an Inverted F Antenna (IFA).

After some reseach, Intel Corporation can state that these two types of antennas are the same type and reasons are given in the attached four-page article downloaded from the IEEE website entitled *A Discussion on Small Antennas Operating with Small Finite Ground Planes* by Steven R. Best. This article states that, "... the PIFA is an IFA with increased conductor volume, which allows for increased operating bandwidth and increased flexibility in terms of achieving multiband operation." (p.152) The article also states in regard to the radiation patterns, "Similar behavior is exhibited by the IFA and PIFA at their lowest operating bands." (p. 155)

If you have any questions please do not hesitate to contact us at 503-712-8076

Sincerely,

A handwritten signature in cursive script, appearing to read "Marissa Faustino". The signature is written in black ink and is positioned above a horizontal line.

Marissa Faustino  
Compliance Engineer  
Intel Corporation

**Intel Corporation**  
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