



July 24, 2007

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

Subject: FCC ID: E2K4965AGNM

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,

Marissa Faustino
Compliance Engineer
Intel Corporation

Intel Corporation
2111 NE 25th Ave
Hillsboro, OR 97124