



16 December 2014

Applicant: Qualcomm Atheros Inc

FCC IDENTIFIER: PPD-AR5B225 (IC ID: 4104A-AR5B225)

Host Platform: All-in-One PC

The owner of host platform: ASUSTeK Computer Inc.

We, Qualcomm Atheros, Inc. hereby apply for Class II permission change to the approved product under FCC ID: PPD-AR5B225SB (IC ID: 4104A-AR5B225SB), to portable category when applied in the all-in-one computer platform Brand Name: **ASUSTeK Computer Inc.**, Model Name: **TP550L**. Due to the design of the platform resulting in less than 20 cm distance to the human body, we have tested the platform with the FCC ID: PPD-AR5B225SB (IC ID: 4104A-AR5B225SB) device for SAR. Radiated emission testing was not additionally performed due to the following:

- The product with FCC ID: PPD-AR5B225SB (IC ID: 4104A-AR5B225SB) module was assessed compliant to radiated emission limits per 15.247 in its initial FCC approval
- Original FCC testing was performed with an antenna of higher gain. The current platform under application uses an antenna of the same type but of lower gain (**3.62dBi**) across the emission bands. Hence it is apparent that the current platform yields lower level of radiated emission.
- The original FCC testing on module under PPD-AR5B225SB (IC ID: 4104A-AR5B225SB) was performed when the antenna was connected to the module in an open environment. The current platform under application has the antenna installed inside the computer enclosure. The physical restraints introduced by the computer enclosure should have resulted in equal or lower level of radiated emission.

Please kindly review the application documents submitted and grant approval for this permissive change application.

Best Regards

Mark Ortlieb

Staff Engineer, Regulatory

Qualcomm Technologies Inc./Qualcomm Atheros, Inc.

1-858-658-3208

mortlieb@qti.qualcomm.com