



7 October 2014

Applicant: Qualcomm Atheros Inc

FCC IDENTIFIER: [PPD-QCNFA34AC](#)

The Product Name of Radio Equipment: [802.11a/b/g/n/ac+ BT 4.1 M.2 Type Card](#)

Platform: Notebook Computer

The owner of the platform: Acer Incorporated.

This is to justify and certify that the transmitter output power (802.11a/b/g/n 2TX) are dropped in order to enhance the holistic performance while installing to the platform, [Model: MS2391](#), [Platform: Notebook](#), [host owner: Acer Incorporated](#). We, the undersigned, believe and expect that the test measurement as demonstrated originally remains effective and representative, so a Class II change (as per §2.1043) with SAR re-test on given platform are adequate to ensure the product's compliance, due to the following:

- The module ([FCC ID: PPD- QCNFA34AC](#), [IC ID: 4104A- QCNFA34AC](#)) was assessed compliant to radiated emission limits per 15.247 in its initial FCC approval.
- Power at the originally tested default channel is lower under per-chain condition. The lower power, critical to emissions, generates lower emissions with respect to the mandatory limit per the corresponding ruling part.
- The current platform for this Class II Permissive Change uses an antenna with the same type, but across the emission bands, has a lower gain than was used in the original FCC approval for the module.
- The module was tested in its original FCC approval in an open environment. The antenna for this Class II Permissive Change request is installed inside a laptop enclosure, which is expected to have a reducing effect on radiated emissions.

Best Regards

Mark Ortlieb

Staff Engineer, Regulatory

Qualcomm Technologies Inc./Qualcomm Atheros, Inc.

1-858-658-3208

mortlieb@qti.qualcomm.com