



Date: June 15, 2016

FCC ID: PPD-ARS263

## Attestation Letter

To whom it may concern:

We, **Qualcomm Atheros, Inc.** declare that there have been no hardware changes to the device since the original approval that impact RF performance or compliance. Furthermore, we attest that the antenna type and gains listed below are the worst case for the client only module. We acknowledge that only antennas of this type (**PIFA**) with equal or less gains (dBi) than shown below are permitted for use with this device without further evaluation. This device complies with all antenna limits as described in 15.247(d).

If you have any questions regarding the authorization, please don't hesitate to contact us. Thank you!

| No. | Brand | Model        | Antenna Type | Connector | Antenna Gain (dBi)< included cable loss> |                      |                       |
|-----|-------|--------------|--------------|-----------|--|----------------------|-----------------------|
|     |       |              |              |           | For 2.4GHz                               | For 5GHz (5.15~5.35) | For 5GHz (5.47~5.725) |
| 1&2 | WNC   | 81-EBJ15.005 | PIFA         | IPEX      | 3.62                                     | 3.08                 | 4.76                  |

Cable Loss:

| No. | Brand | Model        | Cable Loss(dB) |                      |                       | Cable Length |
|-----|-------|--------------|----------------|----------------------|-----------------------|--------------|
|     |       |              | For 2.4GHz     | For 5GHz (5.15~5.35) | For 5GHz (5.47~5.725) |              |
| 1&2 | WNC   | 81-EBJ15.005 | 1.15           | 1.70                 | 1.74                  | 300          |

| No. | Brand | Model        | Antenna Type | Connector | Antenna Gain (dBi)< included cable loss> |                      |                       |
|-----|-------|--------------|--------------|-----------|--|----------------------|-----------------------|
|     |       |              |              |           | For 2.4GHz                               | For 5GHz (5.15~5.35) | For 5GHz (5.47~5.725) |
| 1&2 | WNC   | 81.ED415.001 | PIFA         | IPEX      | 1.48                                     | 5.56                 | 5.34                  |

Cable Loss:

| No. | Brand | Model        | Cable Loss(dB) |                      |                       | Cable Length |
|-----|-------|--------------|----------------|----------------------|-----------------------|--------------|
|     |       |              | For 2.4GHz     | For 5GHz (5.15~5.35) | For 5GHz (5.47~5.725) |              |
| 1&2 | WNC   | 81.ED415.001 | 0.96           | 1.29                 | 1.36                  | 300          |

Sincerely yours,

Stanley Lin, Global Product Compliance