



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