



Date: Oct 24, 2011

Federal Communications Commission  
Authorization and Evaluation Division  
1435 Oakland Mills Road  
Columbia, MD 21046

SUBJECT: FCC Application for FCC ID: PPD-ARS263, IC: 4104A-ARS263

To Whom It May Concern:

We, Qualcomm Atheros, Inc., hereby attest to the fact as below:

For SAR compliance, the 2.4GHz (802.11 b/g/n-20M) output power is reduced to have the limited maximum average power 15dBm; the 5GHz (802.11 a/n-20M/n-40M) output power is reduced to have the limited maximum average power 14.5dBm, compared to the original filing. The power reduction is a permanent implementation in HP Model: HSTNN-I06C only and it's not applicable for original filing and for other C2PC limited modular approvals.

2.4G Hz Band	Channel	Frequency(MHz)	Original(dBm)	New(dBm)	Reduction(dB)
802.11b	1	2412	17.2	14.95	2.25
	6	2437	17.3	14.55	2.75
	11	2462	17.2	14.68	2.52

2.4G Hz Band	Channel	Frequency(MHz)	Original(dBm)	New(dBm)	Reduction(dB)
802.11g	1	2412	11.9	11.87	0.03
	6	2437	17.1	14.75	2.35



	11	2462	12.5	12.5	0
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2.4G Hz Band	Channel	Frequency(MHz)	Original(dBm)	New(dBm)	Reduction(dB)
802.11n	1	2412	10.8	10.69	0.11
	6	2437	16.2	14.54	1.66
	11	2462	11.4	11.4	0

5G Hz Band	Channel	Frequency(MHz)	Original(dBm)	New(dBm)	Reduction(dB)
802.11a	36	5180	14	13.89	0.11
	44	5220	14	13.94	0.06
	48	5240	13.6	13.6	0
	52	5260	17.5	14.09	3.41
	60	5300	17.1	14.03	3.07
	64	5320	17.1	13.74	3.36
	100	5500	15.1	14.26	0.84
	120	5600	17.2	14.35	2.85
	140	5700	12.9	12.9	0
	149	5745	17.2	13.72	3.48
	157	5785	17.2	14.45	2.75
	165	5825	17.2	14.43	2.77

5G Hz Band	Channel	Frequency(MHz)	Original(dBm)	New(dBm)	Reduction(dB)
802.11n-20M	36	5180	14	13.89	0.11
	44	5220	14	13.94	0.06



	48	5240	13.8	13.6	0.2
	52	5260	16.4	14.09	2.31
	60	5300	16.2	14.03	2.17
	64	5320	16.2	13.74	2.46
	100	5500	14.9	14.26	0.64
	120	5600	16.5	14.35	2.15
	140	5700	12.5	12.5	0
	149	5745	16.2	13.72	2.48
	157	5785	16.4	14.45	1.95
	165	5825	16.2	14.43	1.77

5G Hz Band	Channel	Frequency(MHz)	Original(dBm)	New(dBm)	Reduction(dB)
802.11n-40M	38	5190	14	13	1
	46	5230	14	13	1
	54	5270	14.1	13	1.1
	62	5310	14	13	1
	102	5510	12.2	12.2	0
	118	5590	14	14	0
	134	5670	14	13	1
	151	5755	14	13	1
	159	5795	14	13	1

The unconditional reduction is controlled by software of the host. The power reduction cannot be disabled / modified by end users, and the fixed reduction level won't change under any operating condition.

Sincerely yours,

Michael Green

Manager, Global Product Compliance

Qualcomm Atheros, Inc.