



International Certification Corp.

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

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FCC RF Exposure Report

FCC ID : H4ISMPJA
Equipment : MHL wireless adapter
Model No. : 2A6G / MWA2
Brand Name : Liteon / Acer
Applicant : LITE-ON TECHNOLOGY CORP.
Address : 18F, 392 RUEY KUANG RD NEIHU TAIPEI, 114
TAIWAN
Standard : 47 CFR FCC Part 2.1091
Received Date : May 14, 2013
Tested Date : May 22 ~ Jun. 10, 2013

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:



Gary Chang / Manager





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Release Record

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FA351401	Rev. 01	Initial issue	Jun. 25, 2013



1 MPE EVALUATION OF MOBILE DEVICES

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

1.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW/cm ²)	Averaging Time (minutes)
300~1500	F/1500	30
1500~100000	1.0	30

1.2 MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * Pi * R^2}$$

Where

Pd= Power density in mW/cm²

Pt= EIRP in Mw

Pi= 3.1416

R= Measurement distance



1.3 MPE EVALUATION RESULTS

Frequency Range (MHz)	Mode	Maximum Conducted Average Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2412~2462	11b	15.78	4.2	20	0.020	1
	11g	19.68	4.2	20	0.049	1
	HT20	20.45	3.91	20	0.054	1
	HT40	20.30	3.91	20	0.052	1
5180~5240	11a	15.22	4.2	20	0.017	1
	HT20	13.44	3.91	20	0.011	1
	HT40	13.97	3.91	20	0.012	1
5260~5320	11a	15.36	4.2	20	0.018	1
	HT20	13.27	3.91	20	0.010	1
	HT40	13.33	3.91	20	0.011	1
5500~5700	11a	16.21	4.2	20	0.022	1
	HT20	13.15	3.91	20	0.010	1
	HT40	13.69	3.91	20	0.011	1
5745~5825	11a	13.72	4.2	20	0.012	1
	HT20	12.94	3.91	20	0.010	1
	HT40	13.51	3.91	20	0.011	1

Note: Antenna gain for HT20 / HT 40 = $10 \log[(10^{4.2/10} + 10^{3.6/10}) / 2] = 3.91\text{dBi}$

==END==