



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 : ACQ-VIP2502W
Equipment : VIP Matrix
Model No. : VIP2502W
Brand Name : ARRIS
Applicant : ARRIS Group, Inc.
Address : 101 Tournament Drive, Horsham,
Pennsylvania, United States, 19044, U.S.A.
Manufacturer : AMPAK TECHNOLOGY (SUZHOU) INC.
Address : NO.1, Zheng Wen Road. New & High Tech
Industrial Park, Changshu Economic
Development Zone , JiangSuProvince, 215500,
P.R.C
Standard : 47 CFR FCC Part 2.1091
Received Date : Jul. 23, 2013
Tested Date : Jul. 24 ~ Aug. 08, 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

Report No.	Version	Description	Issued Date
FA372301	Rev. 01	Initial issue	Sep. 13, 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

Mode	Frequency Range (MHz)	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
Wi-Fi	5180~5240	16.62	0.4	20	0.010	1
Wi-Fi	5260~5320	23.44	0.4	20	0.048	1
Wi-Fi	5500~5700	23.56	0.5	20	0.051	1
Wi-Fi	5745~5825	27.28	0.4	20	0.117	1

Note: Directional gain = G_{ANT}+ Array gain, Array gain is 0 dBi for N_{ANT}<= 4 if CDD mode is supported. The device supports CDD mode thus Directional gain = antenna gain of each antenna.

==END==