

# FCC RF Exposure Report

**FCC ID** : QXO-AP3825E  
**Equipment** : 11ac 5G radio module  
**Model No.** : PCE4551AH-ETS  
**Brand Name** : Extreme Networks  
**Applicant** : Extreme Networks, Inc.  
**Address** : 9 Northeastern Blvd., Salem, New Hampshire,  
United States, 03079  
**Manufacturer** : Extreme Networks, Inc.  
**Address** : 9 Northeastern Blvd., Salem, New Hampshire,  
United States, 03079  
**Standard** : 47 CFR FCC Part 2.1091  
**Received Date** : Jul. 27, 2013  
**Tested Date** : Jul. 27 ~ Sep. 13, 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:

  
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Gary Chang / Manager



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## Release Record

Report No.	Version	Description	Issued Date
FA382401	Rev. 01	Initial issue	Mar. 17, 2014
FA382401	Rev. 02	Changed manufacturer	Mar. 26, 2014

## 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 <sup>2</sup> )	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/cm<sup>2</sup>

Pt= EIRP in Mw

Pi= 3.1416

R= Measurement distance

### 1.3 MPE EVALUATION RESULTS

Frequency Range (MHz)	Antenna	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
5180~5240	Dipole	16.58	3	20	0.018	1
5180~5240	PIFA	16.41	6	20	0.035	1
5180~5240	Panel	16.41	5.5	20	0.031	1
5180~5240	Panel	15.8	6	20	0.030	1
5180~5240	Omni	16.58	2	20	0.014	1
5180~5240	Sector	16.58	5	20	0.029	1
5745~5825	Dipole	26.96	3	20	0.197	1
5745~5825	PIFA	24.74	6	20	0.236	1
5745~5825	Panel	26.96	5.5	20	0.351	1
5745~5825	Panel	26.96	6	20	0.393	1
5745~5825	Omni	26.96	2	20	0.157	1
5745~5825	Sector	26.96	5	20	0.312	1

## 2 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

### **Linkou**

Tel: 886-3-271-8666

No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.

### **Kwei Shan**

Tel: 886-3-271-8666

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

If you have any suggestion, please feel free to contact us as below information

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Email: ICC\_Service@icertifi.com.tw

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