



# RF EXPOSURE REPORT

**REPORT NO.:** SA110816C05-1

**MODEL NO.:** HiveAP 170

**FCC ID:** WBV-HIVEAP170

**APPLICANT:** Aerohive Networks Inc.

**ADDRESS:** 330 Gibraltar Drive Sunnyvale, CA 94089 United States

**ISSUED BY:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**LAB LOCATION:** No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City 244, Taiwan

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA110816C05-1	Original release	Sep. 7, 2011



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## 1. CERTIFICATION

**PRODUCT:** Wireless Access Points

**BRAND NAME:** Aerohive

**MODEL NO.:** HiveAP 170

**APPLICANT:** Aerohive Networks Inc.

**TEST ITEM:** ENGINEERING SAMPLE

**TESTED:** Aug. 23 ~ 31, 2011

**STANDARDS:** FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY :** Annie Chang, DATE: Sep. 7. 2011  
(Annie Chang / Senior Specialist)

**APPROVED BY :** Ken Liu, DATE: Sep. 7. 2011  
(Ken Liu / Manager)



## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

$$Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



## 5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	28.6	5	20	0.456	1.00
5180-5240	14.7	5	20	0.019	1.00
5745-5825	28.9	5	20	0.488	1.00

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