



# RF EXPOSURE REPORT

**REPORT NO.:** SA140225C37

**MODEL NO.:** E580P

**FCC ID:** UZI-580P

**RECEIVED:** Feb. 25, 2014

**TESTED:** Mar. 11 ~ Mar. 18, 2014

**ISSUED:** Mar. 24, 2014

**APPLICANT:** BandRich Inc.

**ADDRESS:** 6F., No. 71, Zhouzi St., Neihu Dist., Taipei City  
11493, Taiwan (R.O.C.)

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

**LAB ADDRESS:** No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,  
New Taipei City, Taiwan (R.O.C)

**TEST LOCATION:** No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei  
Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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## RELEASE CONTROL RECORD


ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140225C37	Original release	Mar. 24, 2014



## 1. CERTIFICATION

**PRODUCT:** LTE Outdoor CPE  
**MODEL NO.:** E580P  
**BRAND:** BandLuxe  
**APPLICANT:** BandRich Inc.  
**TESTED:** Mar. 11 ~ Mar. 18, 2014  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**STANDARDS:** **FCC Part 2 (Section 2.1091)**  
**FCC OET Bulletin 65, Supplement C (01-01)**  
**IEEE C95.1**

The above equipment (Model: E580P) 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 :** , **DATE :** Mar. 24, 2014  
Pettie Chen / Senior Specialist

**APPROVED BY :** , **DATE :** Mar. 24, 2014  
Ivan Tsai / Project Engineer

## 2. RF EXPOSURE

### 2.1 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

### 2.3 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**.

## 2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
CDMA 1851.25~1908.75 MHz	25.76	20	0.075	1
LTE Band 25 (Channel Bandwidth: 3MHz) 1851.5 ~ 1913.5MHz	25.58	20	0.072	1
LTE Band 25 (Channel Bandwidth: 5MHz) 1852.5 ~ 1912.5MHz	24.76	20	0.060	1
LTE Band 25 (Channel Bandwidth: 10MHz) 1855.0 ~ 1910.0MHz	24.89	20	0.061	1

FREQUENCY BAND (MHz)	EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
LTE Band 41 (Channel Bandwidth: 10MHz) 2501 ~ 2685MHz	32.12	20	0.324	1
LTE Band 41 (Channel Bandwidth: 15MHz) 2503.5 ~ 2682.5MHz	31.99	20	0.315	1
LTE Band 41 (Channel Bandwidth: 20MHz) 2506MHz ~ 2680MHz	31.97	20	0.313	1

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