



# RF EXPOSURE REPORT

**REPORT NO.:** SA120725D07  
**MODEL NO.:** BTC08R800  
**FCC ID:** RK9-BTC08R800BLE  
**RECEIVED:** Jul. 25, 2012  
**TESTED:** Jul. 26, ~ Sep. 4, 2012  
**ISSUED:** Sep. 7, 2012

**APPLICANT:** CastleNet Technology Inc.

**ADDRESS:** No. 64, Chung-Shan Rd. Tu-Cheng District, New Taipei City, Taiwan

**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, Taiwan ( R.O.C. )

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120725D07	Original release	Sep. 7, 2012



## 1. CERTIFICATION

**PRODUCT:** Bluetooth 4.0 dual mode Embedded Module  
**MODEL NO.:** BTC08R800  
**BRAND NAME:** CastleNet  
**APPLICANT:** CastleNet Technology Inc.  
**TESTED:** Jul. 26, ~ Sep. 4, 2012  
**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 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 :**           *Jessica Cheng*           , **DATE:**           Sep. 7, 2012            
( Jessica Cheng / Specialist )

**APPROVED BY :**           *Ken Liu*           , **DATE:**           Sep. 7, 2012            
( Ken Liu / Manager )

## 2. CONCLUSION

No Evaluation Required if power is below this threshold:

F(GHz)		mW
Low	2.402	24.58
High	2.480	

Maximum measured transmitter power:

**For Bluetooth EDR:**

Pout (dBm)		Pout (mW)
Conducted Power	8.4	7.0
EIRP Power	12.1	16.2

**\*Note:** The antenna is PIFA antenna with 3.71dBi gain

Threshold for no SAR evaluation is 24.58mW

Transmitter power is 16.2mW

**For Bluetooth LE 4.0:**

Pout (dBm)		Pout (mW)
Conducted Power	8.1	6.5
EIRP Power	11.8	15.1

**\*Note:** The antenna is PIFA antenna with 3.71dBi gain

Threshold for no SAR evaluation is 24.58mW

Transmitter power is 15.1mW

Conclusion: No SAR evaluation required since Transmitter Pout is below FCC threshold

**---END---**