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# RF EXPOSURE REPORT

**REPORT NO.:** SA130715C30-1

**MODEL NO.:** STB-2560

**FCC ID:** 2AATB-000000

**RECEIVED:** Jul. 15, 2013

**ISSUED:** Aug. 14, 2013

**APPLICANT:** TATUNG TECHNOLOGY INC

**ADDRESS:** 22, CHUNGSHAN N.RD., 3RD SEC., TAIPEI, TAIWAN, 10435

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

**LAB ADDRESS:** 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
SA130715C30-1	Original release	Aug. 14, 2013



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## 1. CERTIFICATION

**PRODUCT:** Set-top Box

**MODEL:** STB-2560

**BRAND:** TATUNG TECHNOLOGY INC

**APPLICANT:** TATUNG TECHNOLOGY INC

**TEST SAMPLE:** Production Unit

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

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

IEEE C95.1

The above equipment (Model: STB-2560) 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** : Vera Huang, DATE : Aug. 14, 2013

Vera Huang / Specialist

**APPROVED BY** : Gordon Lin, DATE : Aug. 14, 2013

Gordon Lin / Assistant Manager



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## 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

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

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

### 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)	Conducted Avg. power (dBm)	Antenna Gain (dBi)	E.I.R.P. (mW)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
5270-5310	23.30	7.67	1250.26	0.249	1
5510-5670	22.67	8.76	1389.95	0.277	1

**Note:**

For 5270-5310: Directional gain = 1.65dBi + 10log(4) = 7.67dBi

For 5510-5670: Directional gain = 2.74dBi + 10log(4) = 8.76dBi