

RF EXPOSURE REPORT

REPORT NO.: SA130715C28

MODEL NO.: WAP-7410

FCC ID: 2AATB-000001

RECEIVED: Jul. 15, 2013

ISSUED: Aug. 05, 2013

APPLICANT: TATUNG TECHNOLOGY INC

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ISSUED BY: Bureau Veritas Consumer Products Services
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130715C28	Original release	Aug. 05, 2013

1. CERTIFICATION

PRODUCT: Video Bridge

MODEL: WAP-7410

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: WAP-7410) 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.

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Gordon Lin / Assistant Manager

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 ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
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/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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 ²)	Limit (mW/cm ²)
5190-5230	16.47	9.01	353.18	0.070	1
5755-5795	21.99	8.67	1164.13	0.232	1

Note:

For 5190-5230: Directional gain = 2.99dBi + 10log(4) = 9.01dBi

For 5755-5795: Directional gain = 2.65dBi + 10log(4) = 8.67dBi