RF EXPOSURE REPORT

REPORT NO.: SA130715C29-1

MODEL NO.: WAP-7420

FCC ID: 2AATB-000002

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.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130715C29-1	Original release	Aug. 14, 2013

1. CERTIFICATION

PRODUCT: Video Bridge

MODEL: WAP-7420

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-7420) 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

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

Pd = (Pout*G) / (4*pi*r2)

where

Pd = power density in mW/cm2

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/cm2)	Limit (mW/cm2)
5270-5310	21.52	9.01	1129.80	0.225	1
5510-5670	21.93	9.9	1524.05	0.303	1

Note:
For 5270-5310: Directional gain = 2.99dBi + 10log(4) = 9.01dBi
For 5510-5670: Directional gain = 3.88dBi + 10log(4) = 9.9dBi