

RF Exposure Report

Report No.: SA150907C06 R2

FCC ID: VUI10242HD

Test Model: 10242HD

Series Model: 10XXXHDX (X=0~9 and A~Z or blank)

Received Date: Sep. 06, 2015

Test Date: Sep. 11, 2015

Issued Date: Sep. 22, 2015

Applicant: PEGATRON CORPORATION

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

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Test Location (1): No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin
Chu Hsien 307, Taiwan R.O.C.

Test Location (2): No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin
Chu Hsien 307, Taiwan R.O.C.

Test Location (3): E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan R.O.C.

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Release Control Record

Issue No.	Description	Date Issued
SA150907C06	Original release.	Sep. 17, 2015
SA150907C06 R1	Modified the FCC ID.	Sep. 21, 2015
SA150907C06 R2	Modified the model name.	Sep. 22, 2015



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1 Certificate of Conformity

Product: Set Top Box

Brand: CISCO

Test Model: 10242HD

Series Model: 10XXXHDX (X=0~9 and A~Z or blank)

Sample Status: ENGINEERING SAMPLE

Applicant: PEGATRON CORPORATION

Test Date: Sep. 11, 2015

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D03

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 :

Phoenix Huang
Phoenix Huang / Specialist

Date:

Sep. 22, 2015

Approved by :

May Chen
May Chen / Manager

Date:

Sep. 22, 2015

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**.

3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2425-2475	2.972	0.91	20	0.00073	1

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