

RF EXPOSURE REPORT

REPORT NO.: SA140506E04B

MODEL NO.: DTA 251HD, DTA 271HD

FCC ID: N89-DTA2XXHD

RECEIVED: May 06, 2014

TESTED: June 19, 2014

ISSUED: Aug. 25, 2014

APPLICANT: CyberTAN Technology, Inc.

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

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RELEASE CONTROL RECORD


ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140506E04B	Original release	Aug. 25, 2014

1. CERTIFICATION

PRODUCT: Digital Transport Adapter
BRAND NAME: Cisco
MODEL NO.: DTA 251HD, DTA 271HD
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: CyberTAN Technology, Inc.
TESTED DATE: June 19, 2014
STANDARDS: FCC Part 2 (Section 2.1091)
KDB 447498 D03
IEEE C95.1

The above equipment (Model: DTA 271HD) 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 :  , **DATE:** Aug. 25, 2014
(Claire Kuan, Specialist)

APPROVED BY :  , **DATE:** Aug. 25, 2014
(May Chen, Manager)

2. RF EXPOSURE LIMIT

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

3. 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

4. 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**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Ant. No.	Antenna Type	Antenna Gain (dBi)	Diversity Function	Connector type	Frequency range (MHz to MHz)
1	PIFA	3	Y	NA	2412~2483.5
2	PIFA	3	Y	NA	2412~2483.5

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

All test data was copied from the original test report (Report No.: 140506E04)

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2425 - 2475	1.791	3	20	0.00071	1.00

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