RF EXPOSURE REPORT

Applicant	SHENZHEN TENDA TECHNOLOGY CO.,LTD.
Address	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

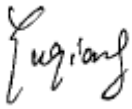
Manufacturer or Supplier	SHENZHEN TENDA TECHNOLOGY CO.,LTD, Dongguan Branch
Address	No. 79 Yuanyi street, Dalang Town, Dongguan City, Guangdong Province, China
Product	300Mbps Wireless N High Power Access Point
Brand Name	Tenda
Model	AP5
Additional Model & Model Difference	N/A
Date of tests	May 14, 2015 ~ May 29, 2015

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D03**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Yuqiang Yin Project Engineer / EMC Department	Approved by Chris Chen Assistant Manager / EMC Department
	 Date: Jun. 02, 2015

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS150514N008	Original release	Jun. 02, 2015

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1. CERTIFICATION

FCC ID:	V7TAP5
PRODUCT:	300Mbps Wireless N High Power Access Point
BRAND NAME:	Tenda
MODEL NO.:	AP5
TEST SAMPLE:	Engineering Sample
APPLICANT:	SHENZHEN TENDA TECHNOLOGY CO.,LTD.
TESTED DATE:	May 29, 2015
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D03
	IEEE C95.1

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

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

where

Pd = power density in mW/cm^2

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

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:

Transmitter Circuit	Peak Gain (dBi)	Total Gain (dBi)	Antenna Type
Chain 0	5.0	8.01	Dipole Antenna
Chain 1	5.0		Dipole Antenna

Note: Total Gain=5+10log(N=2)=5+3.01=8.01dBi

6. 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)
2412-2462	161.436	8.01	20	0.257	1.00

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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