



**BUREAU
VERITAS**

Test Report No.: FS150720N035

RF EXPOSURE REPORT

Applicant	Netgear Incorporated
Address	350 East Plumeria Drive ,San Jose,California 95134,United States

Manufacturer or Supplier	Netgear Incorporated
Address	350 East Plumeria Drive ,San Jose,California 95134,United States
Product	Add-on DST Adapter
Brand Name	NETGEAR
Model	DST6501
Additional Model & Model Difference	PLW1000, PLW1010
Date of tests	Aug. 01, 2015 ~ Aug. 12, 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 Blue Zheng Project Engineer / EMC Department	Approved by Chris Chen Assistant Manager / EMC Department

Date: Aug. 14, 2015

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS150720N035	Original release	Aug.14, 2015

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1. CERTIFICATION

FCC ID:	PY315200311
PRODUCT:	Add-on DST Adapter
MODEL NO.:	DST6501
ADDITIONAL NO.:	PLW1000, PLW1010
TEST SAMPLE:	Engineering Sample
APPLICANT:	Netgear Incorporated
TESTED DATE:	Aug.14, 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/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

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	2	2	Dipole Antenna

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 5150-5250 5725-5850	184.1	2	20	0.073	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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