



BUREAU  
VERITAS

Test Report No.: FS131113N118



## RF EXPOSURE REPORT

Applicant	Medialink Products, LLC
Address	1951 Old Cuthbert Rd., Ste 301, Cherry Hill, NJ 08034, United States

Manufacturer or Supplier	Medialink Products, LLC
Address:	1951 Old Cuthbert Rd., Ste 301, Cherry Hill, NJ 08034, United States
Product	Wireless-N Broadband Router
Brand Name	MEDIALINK
Model	MWN-WAPR300NE
Additional Model & Model Difference	N/A
Date of tests	Nov. 21, 2013 ~ Jan. 02, 2014

- ☒ FCC Part 2 (Section 2.1091)
- ☒ FCC OET Bulletin 65, Supplement C (01-01)
- ☒ IEEE C95.1

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

Tested by Venless Long Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	  <b>Date: Jan. 02, 2014</b>

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS131113N118	Original release	Jan. 02, 2014



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## 1. CERTIFICATION

**PRODUCT:** Wireless-N Broadband Router

**BRAND NAME:** MEDIALINK

**MODEL NO.:** MWN-WAPR300NE

**FCC ID:** XKPMWN-WAPR300NE

**TEST SAMPLE:** Normal Sample

**APPLICANT:** Medialink Products, LLC

**TESTED DATE:** Nov. 21, 2013

**STANDARDS:** FCC Part 2 (Section 2.1091)  
FCC OET Bulletin 65, Supplement C (01-01)  
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 <sup>2</sup> )	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/cm<sup>2</sup>

$P_{out}$  = 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)	Antenna Type
Chain 0	5.0	Integral Dipole Antenna
Chain 1	5.0	Integral Dipole Antenna



## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	212.814	5.0	20	0.134	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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