

## RF Exposure Report

**Report No.:** SA151202C39

**FCC ID:** JVPWDP02T

**Test Model:** WDP02T

**Received Date:** Dec. 02, 2015

**Test Date:** Dec. 09 ~ Dec. 22, 2015

**Issued Date:** Dec. 29, 2015

**Applicant:** BenQ Corporation

**Address:** 16 Jihu Road, Neihu, Taipei 114, Taiwan

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

**Test Location:** No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)



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### Release Control Record

Issue No.	Description	Date Issued
SA151202C39	Original release.	Dec. 29, 2015



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## 1 Certificate of Conformity

**Product:** Wireless FHD Kit

**Brand:** BenQ

**Test Model:** WDP02T

**Sample Status:** Engineering sample

**Applicant:** BenQ Corporation

**Test Date:** Dec. 09 ~ Dec. 22, 2015

**Standards:** FCC Part 2 (Section 2.1091)

KDB 447498 D01 (October 23, 2015)

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 :** Suntee Liu, **Date:** Dec. 29, 2015

Suntee Liu / Specialist

**Approved by :** Ken Liu, **Date:** Dec. 29, 2015

Ken Liu / Senior Manager



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## 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 <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

### 2.2 MPE Calculation Formula

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

where

Pd = power density in mW/cm<sup>2</sup>

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

### 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**.



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### 3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
5190-5230	20.28	3.01	20	0.042	1
5270-5310	20.21	3.01	20	0.042	1
5510-5560	20.25	3.01	20	0.042	1
5755-5795	20.16	3.01	20	0.041	1

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