



## MPE TEST REPORT

### FCC Per 47 CFR 2.1093(d)

**Report Reference No.**.....: **TRE1210001402 R/C:59226**

**FCC ID**.....: **QSE13EAQSE**

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Date of issue.....: Oct 30, 2012

**Testing Laboratory Name**.....: **Shenzhen Huatongwei International Inspection Co., Ltd**

Address.....: Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China

**Applicant's name**.....: **VTrump Tech (Shanghai) Co., Ltd**

Address.....: Rm 2206, 66-1 Huayuan Road, Shanghai, China

**Test specification:**

Standard.....: **FCC Per 47 CFR 2.1093(d)**

TRF Originator.....: Shenzhen Huatongwei International Inspection CO., Ltd

Master TRF.....: Dated 2006-06

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**Test item description** ..... : VTag

Trade Mark ..... : /

Model/Type reference.....: M20

Listed Models ..... : /

Operation Frequency.....: From 2400MHz to 2483.5MHz

Result.....: **Positive**

# MPE TEST REPORT

<b>Test Report No. :</b>	<b>TRE1210001402</b>	Oct 30, 2012
		Date of issue

Equipment under Test : VTag

Model /Type : M20

Listed Models : /

**Applicant** : **VTrump Tech (Shanghai) Co., Ltd**

Address : Rm 2206, 66-1 Huayuan Road, Shanghai, China

**Manufacturer** : **VTrump Tech (Shanghai) Co., Ltd**

Address : Rm 2206, 66-1 Huayuan Road, Shanghai, China

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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## 1. SUMMARY

### 1.1. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

<input type="radio"/>	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
<input type="radio"/>	Multimeter	Manufacturer :	/
		Model No. :	/

### 1.2. NOTE

1. The EUT is a VTag, The functions of the EUT listed as below:

	Test Standards	Reference Report
Bluetooth 4.0	FCC Part 15 Subpart C (Section15.247)	TRE1210001401
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2. The frequency bands used in this EUT are listed as follows:

Frequency Band(MHz)	2400-2483.5	5150-5350	5470-5725	5725-5850
Bluetooth	√	—	—	—

3. The EUT provides one completed transmitter and receiver.

Modulation Mode	TX Function
Bluetooth	1TX

## **2. TEST ENVIRONMENT**

### **2.1. Address of the test laboratory**

Shenzhen Huatongwei International Inspection Co., Ltd  
Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China  
Phone: 86-755-26715686 Fax: 86-755-26748089

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2009) and CISPR Publication 22.

### **2.2. Environmental conditions**

During the measurement the environmental conditions were within the listed ranges:

Temperature:	<u>15-35 ° C</u>
Humidity:	<u>30-60 %</u>
Atmospheric pressure:	<u>950-1050mbar</u>

### **2.3. Statement of the measurement uncertainty**

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

<b>Test Items</b>	<b>Measurement Uncertainty</b>	<b>Notes</b>
Transmitter power conducted	0.57 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

## **3. Method of measurement**

### **3.1. Applicable Standard**

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

**3.2. Limit**

Exposure Category	Low threshold	High threshold
General population	(60/f <sub>GHz</sub> )mW , d < 2.5cm (120/f <sub>GHz</sub> )mW , d ≥ 2.5cm	(900/fGHz)mW , d <20cm
Occupational	(375/f <sub>GHz</sub> )mW , d < 2.5cm (900/f <sub>GHz</sub> )mW , d ≥ 2.5cm	(2250/fGHz)mW , d <20cm

F=frequency in GHz

**3.3. RF Exposure**

**TEST RESULTS**

The max peak output power is 4.05 dBm . The antenna gain is 1.0dBi. EIRP=5.05dBm=3.20mW< 60/2.48=24mW, so the SAR is not required.

**4. Conclusion**

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the General population RF Exposure.

.....**End of Report**.....