

# *Certificate of Compliance*

We, **SPECTRUM RESEARCH & TESTING LABORATORY, INC.**, Herewith confirm that one sample of the following product:

**Product** : Weather Station Receiver

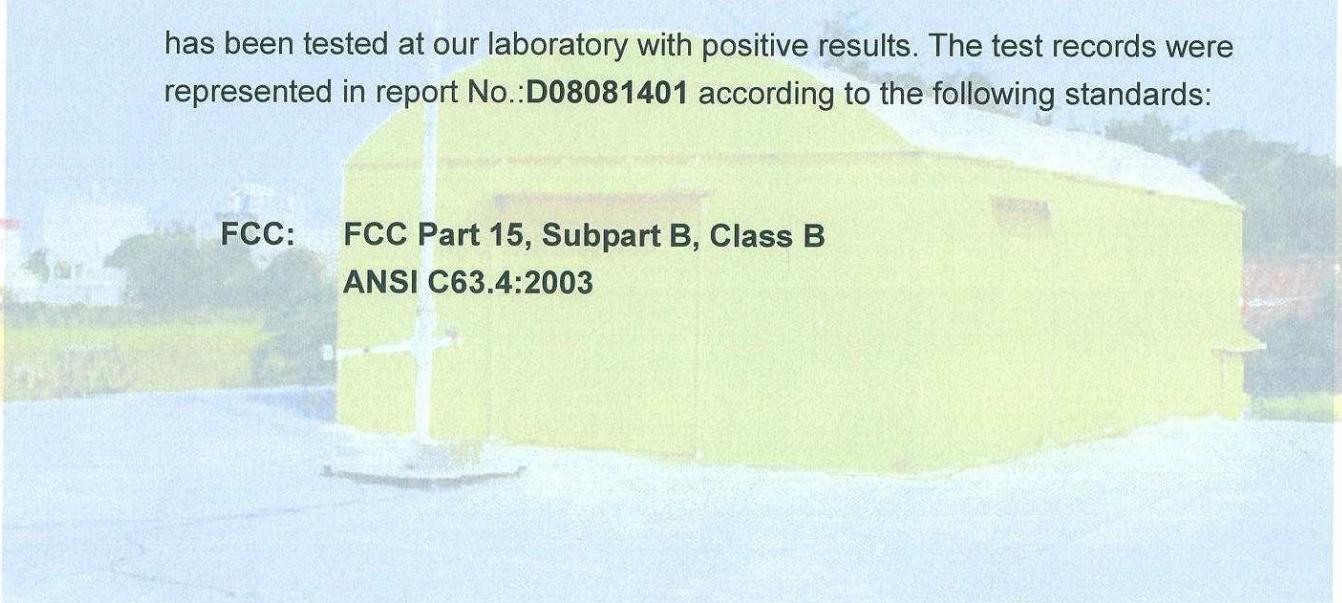
**Model No.** : WS2000WWVB

**Applicant** : OneWorld GMS  
1601-03 Enterprise Square Two, 3 Sheung Yuet Road, Kowloon Bay, Hong Kong,

**Manufacturer** : OneWorld GMS  
1601-03 Enterprise Square Two, 3 Sheung Yuet Road, Kowloon Bay, Hong Kong,

has been tested at our laboratory with positive results. The test records were represented in report No.:**D08081401** according to the following standards:

**FCC:** FCC Part 15, Subpart B, Class B  
ANSI C63.4:2003

  
Johnson Ho, Director

Issued Date: Aug. 14, 2008



## **SPECTRUM RESEARCH & TESTING LAB., INC.**

Head Office: No. 101-10, Ling 8, Shan-Tong Li, Chungli City, Taoyuan, Taiwan R.O.C.  
TEL:(03)498-7684 FAX:(03)498-8194 <http://www.srlab.com> e-mail: [sales@srlab.com](mailto:sales@srlab.com)



## DECLARATION OF CONFORMITY

We herewith confirm the following designated product

**Weather Station Receiver**  
**Model No.: WS2000WWVB**

( Product Identification )

has been tested and found to comply with the requirements of 47 CFR PART 15 regulation & ANSI C63.4 for the evaluation of Class B of electromagnetic compatibility.

This device complies with Part 15 of the FCC rules, operation is subject to the following two conditions.

- (1) This device may not cause harmful interference and,
- (2) This device must accept any interference received,  
including interference that may cause undesired operation .

( Identification of regulations / standards )

This declaration is the responsibility of the manufacturer / importer

**OneWorld GMS**  
**1601-03 Enterprise Square Two, 3 Sheung Yuet Road,**  
**Kowloon Bay, Hong Kong,**

( Name / Address )

**MANUFACTURER / IMPORTER**

**TEST LABORATORY**

This declaration is based on the test report (Ref. No. D08081401 issued by SRT Lab., Inc. on Aug.14, 2008

.....  
(Name)

.....  
(Johnson Ho, Director)

.....  
(Date )

Aug. 14, 2008

.....  
(Date)



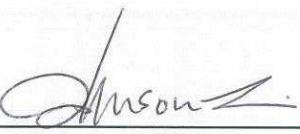
**SPECTRUM RESEARCH & TESTING LABORATORY, INC.**

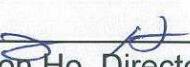
NO. 101-10, LING 8, SHAN-TONG LI CHUNG-LI CITY, TAOYUAN, TAIWAN, TEL: (03)498-7684 FAX: (03)498-6528

 <p><b>Spectrum Research &amp; Testing Lab., Inc.</b>            No. 101-10, Ling 8,            Shan-Tong Li, Chung-Li            City, Taoyuan, Taiwan,</p>	<h1 style="text-align: center;"><b>TEST REPORT</b></h1>	Reference No.:D08081401 Report No.:FCBD08081401 Page:1 of 10 Date: Aug. 14, 2008
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Product Name: Weather Station Receiver  
 Model No.: WS2000WWVB  
 Applicant: OneWorld GMS  
                   1601-03 Enterprise Square Two, 3 Sheung Yuet Road, Kowloon  
                   Bay, Hong Kong,  
 Manufacturer: OneWorld GMS  
                   1601-03 Enterprise Square Two, 3 Sheung Yuet Road, Kowloon  
                   Bay, Hong Kong,  
 Date of Receipt: Aug. 04, 2008  
 Finished date of Test: Aug. 07, 2008  
 Applicable Standards: 47 CFR Part 15, Subpart B, Class B  
                           ANSI C63.4:2003

We, **Spectrum Research & Testing Laboratory Inc.**, hereby certify that one sample of the above was tested in with positive results according to the above-mentioned standards. The records in the report are an accurate account of the results. Details of the results are given in the subsequent pages of this report.

Checked By : , Date: 8/14/2008  
 (Johnson Lin)

Approved By : , Date: 8/14/2008  
 (Johnson Ho, Director)

 <p><b>Spectrum Research &amp; Testing Lab., Inc.</b> No. 101-10, Ling 8, Shan-Tong Li, Chung-Li City, Taoyuan, Taiwan,</p>	<p><b>TEST REPORT</b></p>	<p>Reference No.:D08081401 Report No.:FCBD08081401 Page:2 of 10 Date: Aug. 14, 2008</p>
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## 1. DOCUMENT POLICY AND TEST STATEMENT

### 1.1 DOCUMENT POLICY

- The report shall not be reproduced except in full, without the written approval of SRT Lab, Inc.
- The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

### 1.2 TEST STATEMENT

- The test results in the report apply only to the unit tested by SRT Lab.
- There was no deviation from the requirements of test standards during the test.
- AC 120V /60Hz, to DC4.5V, was used during the test.

### 1.3 EUT MODIFICATION

- No modification in SRT Lab.

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## 2. DESCRIPTION OF EUT AND TEST MODE

### 2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Weather Station Receiver
MODEL NO.	WS2000WWVB
POWER SUPPLY	DC4.5V
CABLE	N/A
TYPE	Prototype

**NOTE:**

For more detailed information, please refer to the EUT's specification or user's manual provided by manufacturer.

### 2.2 DESCRIPTION OF EUT INTERNAL DEVICE

DEVICE	BRAND / MAKER	MODEL #	FCC ID/DOC	REMARK
N/A				

### 2.3 DESCRIPTION OF TEST MODE

Receive and display

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## 2.4 DESCRIPTION OF SUPPORT UNIT

The EUT was configured by the requirement of ANSI C63.4:2003 and 47 CFR Part 15, Subpart B, Class B. All interface ports were connected to the appropriate support units via specific cables. The support units and cables are listed below.

NO	DEVICE	BRAND	MODEL#/S/N	FCC ID/DOC	CABLE
1	N/A				
2					

**NOTE:** For the actual test configuration, please refer to the photos of testing

## 3. DESCRIPTION OF APPLIED STANDARDS

The EUT is a kind of ITE and according to the specifications provided by the applicant, it must comply with the requirements of the following standards:

47 CFR Part 15, Subpart B, Class B

All tests have been performed and recorded as per the above standards.

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#### 4. RADIATED EMISSION TEST

##### 4.1 RADIATED EMISSION LIMIT

FCC Part 15, Subpart B limit of radiated emission for frequency below 2000 MHz

FREQUENCY (MHz)	Class B (at 3m)	
	dB $\mu$ V/m	
30 - 88		40.0
88 - 216		43.5
216 -960		46.0
Above960		54.0

**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m).

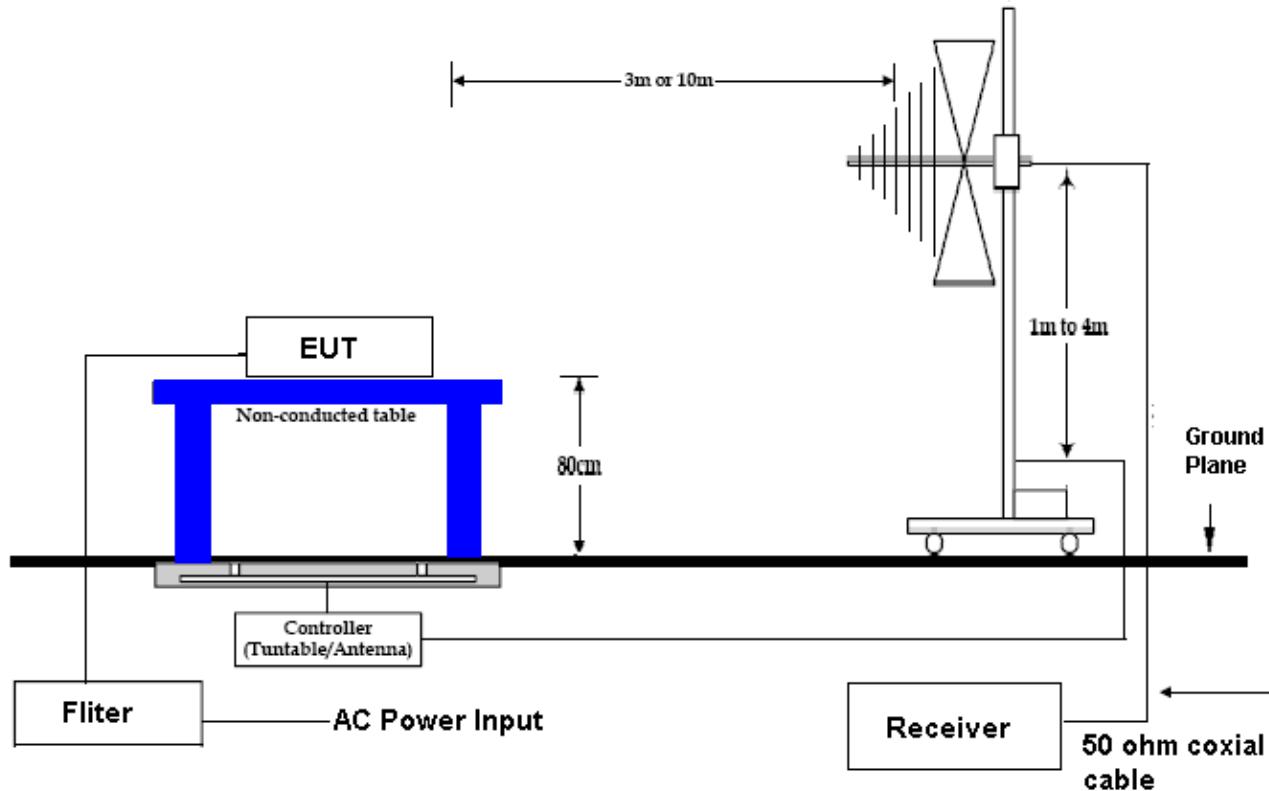
##### 4.2 TEST EQUIPMENT

The following test equipment was used during the radiated emission test:

EQUIPMENT/ FACILITIES	MANUFACTURER	MODEL#/	SERIAL#	Last Cal.	Cal. Interval
EMI test receiver	R&S	ESIB7	SB4538	Dec.06,2007	1 Year
Antenna	SCHWARZBECK	VULB9163	SB5472/02	May.13,2008	1 Year

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#### 4.3 TEST SET-UP



#### NOTE :

1. The EUT system was put on a wooden table with 0.8m heights above a ground plane.
2. For the actual test configuration, please refer to the photos of testing.

#### 4.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.4:2003 and CISPR 22:2003. The measurements were made at an open area test site with 10 meter measurement distance under 1 GHz and with 3m distance above 1GHz. The frequency spectrum measured started from 30 MHz. Under 1 GHz, all readings were quasi-peak values with 120 kHz resolution bandwidth of the test receiver. Above 1 GHz, the measurements were made at an open area test site with 3 meter measurement distance and all readings were peak or average values with 1 MHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. The cables connected to EUT and support units were moved to find the maximum emission levels for each frequency.

First, find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.

#### 4.5 EUT OPERATING CONDITION

Same as section 4.5 of this report.

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#### 4.6 RADIATED EMISSION TEST RESULT

Temperature: 24°C Humidity: 50%RH  
 Frequency Range: 30 – 1000 MHz Measured Distance: 3m  
 Receiver Detector: Q.P. Tested Mode: Receive and display  
 Tested Date: Aug. 07, 2008

Antenna Polarization: Horizontal

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	AZ( $^{\circ}$ )	EL(m)
30.000	0.9	18.8	-0.1	19.6	40.0	-3.9	196	1.0
412.945	3.3	17.3	4.5	25.1	46.0	-7.9	274	1.5
432.384	3.3	16.8	10.6	30.7	46.0	-7.5	183	1.3

Antenna Polarization: Vertical

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	AZ( $^{\circ}$ )	EL(m)
395.450	3.2	16.5	8.1	27.8	46.0	-5.4	6	1.0
434.328	3.3	16.8	16.7	36.8	46.0	-2.8	354	1.0
723.967	4.5	20.0	6.1	30.6	46.0	-3.5	49	1.0

**NOTE :**

1. Measurement uncertainty is +/-2dB.
2. \*\*: Measurement does not apply for this frequency.
3. Emission Level = Reading Value + Ant. Factor + Cable Loss.
4. The field strength of other emission frequencies were very low against the limit.



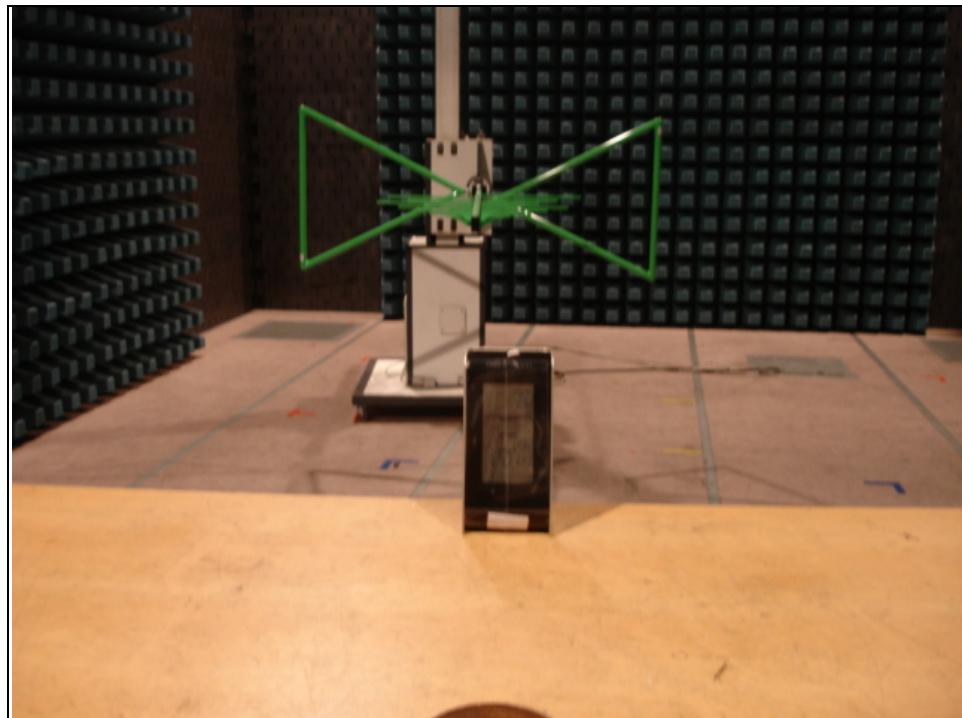
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### 5. PHOTOS OF TESTING

- Radiated emission test



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## 6. TERMS OF ABBREVIATION

EUT	Equipment Under Test
LISN	Line Impedance Stabilization Network
SRT Lab	Spectrum Research & Testing Laboratory, Inc.
Q.P.	Quasi-peak detection
AV.	Average detection
AZ(°)	Turn table azimuth
EL(m)	Antenna height (meter)
Horiz.	Horizontal direction
Vert.	Vertical direction
Correct.	Correction

## PHOTOS OF EUT



