

# **RF Exposure Report**

Report No.: SA150106E05 R1

FCC ID: JEH-7777-RBS

Test Model: 7777-RBS

Received Date: Jan. 06, 2015

Test Date: Jan. 07 to Feb. 26, 2015

**Issued Date:** Mar. 11, 2015

Applicant: NCR Corporation, RSD - Atlanta

Address: 2651 Satellite Blvd. Duluth, GA 30096 USA

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

Hsin Chu Laboratory

Lab Address: No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin

Chu Hsien 307, Taiwan R.O.C.

Test Location (1): No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin

Chu Hsien 307, Taiwan R.O.C.

Test Location (2): No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin

Chu Hsien 307, Taiwan R.O.C.





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### **Release Control Record**

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Issue No.	Description	Date Issued
SA150106E05	Original release.	Mar. 05, 2015
SA150106E05 R1	Revised applicant's information.	Mar. 11, 2015

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### 1 Certificate of Conformity

Product: NCR Orderman Base Station4

Brand: Orderman

Test Model: 7777-RBS

Sample Status: ENGINEERING SAMPLE

Applicant: NCR Corporation, RSD - Atlanta

Test Date: Jan. 07 to Feb. 26, 2015

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D03

**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 :	ZM	, Date:	Mar. 11, 2015	
	Elsie Hsu / Specialist			
Approved by :		, Date:	Mar. 11, 2015	
	May Chen / Manager			

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#### **RF Exposure** 2

#### **Limits for Maximum Permissible Exposure (MPE)** 2.1

Frequency Range Electric Field Strength (V/m)		Magnetic Field Strength (A/m)				
Limits For General Population / Uncontrolled Exposure						
300-1500			F/1500	30		
1500-100,000			1.0	30		

F = Frequency in MHz

#### **MPE Calculation Formula** 2.2

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

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 20m away from the body of the user. So, this device is classified as Mobile Device.

#### **Calculation Result of Maximum Power** 3

FREQUENCY BAND (MHz)	FIELD STRENGTH OF FUNDAMENTAL (dBuV/m)	POUT EIRP (dBm)	POUT EIRP (mW)	DISTANCE (cm)	POWER DENSITY (mW/ cm²)	LIMIT (mW/cm²)
902.4	93.56	-1.67	0.681	20	0.000135	0.601
915.025	93.67	-1.56	0.698	20	0.000139	0.61
927.525	93.61	-1.62	0.689	20	0.000137	0.618

Note: 1. Limit of Electric field=F/1500

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