

IRF EXPOSURE REPORT

REPORT NO.: SA130220C14A

MODEL NO.: TS890

FCC ID: TFJTS890

RECEIVED: Jun. 26, 2013

TESTED: Jun. 26, 2013

ISSUED: Jun. 28, 2013

APPLICANT: Uniform Industrial Corp.

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New Taipei City 236, Taiwan, R.O.C.

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch

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New Taipei City, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei

Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.





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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED	
SA130220C14A	Original release	Jun. 28, 2013	

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1. CERTIFICATION

PRODUCT: Payment Terminal

MODEL NO.: TS890

BRAND: UIC

APPLICANT: Uniform Industrial Corp.

TESTED: Jun. 26, 2013

TEST SAMPLE: Production Unit

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (model: TS890) 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: _____, DATE: _____, Jun. 28, 2013

Evonne Liu / Specialist

APPROVED BY : , DATE : Jun. 28, 2013

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Roy Wu / Manager



2. RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)			POWER DENSITY (mW/cm²)	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

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

where

Pd = power density in mW/cm²

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**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

Frequency BAND	Operating	Maximum Conducted (dBm)		Gain	E.I.R.P.	Power Density	Limit
(MHz)	Mode	Burst Avg. power	Time Avg. power	(dBi)	(mW)	(mW/cm2)	(mW/cm2)
GSM 850	GPRS 10	32.76	26.76	-1.25	353.95	0.07	0.55
GSM1900	GPRS 10	30.37	24.37	1.30	367.23	0.07	1

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