



BUREAU VERITAS

Test Report No.: FS170301N002

# RF EXPOSURE REPORT

Applicant	Clarion Co., Ltd.
Address	6F, No.40, Guanri Road, Software Park Stage II, Xiamen, China



Manufacturer or Supplier	Clarion Co., Ltd.
Address	6F, No.40, Guanri Road, Software Park Stage II, Xiamen, China
Product	CAR NAVIGATION
Brand Name	CLARION
Model	QY-8900
Additional Model & Model Difference	QY-8950, QY-8901, QY-8951
Date of tests	Mar. 01, 2017 ~ Mar. 13, 2017

FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Madison Luo Supervisor / EMC Department	Approved by Chris Chen Manager / EMC Department
	  Date: Mar. 17, 2017

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VERITAS**

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170301N002	Original release	Mar. 17, 2017

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## 1. CERTIFICATION

<b>FCC ID:</b>	WY2QY8900
<b>PRODUCT:</b>	CAR NAVIGATION
<b>BRAND NAME:</b>	CLARION
<b>MODEL NO.:</b>	QY-8900
<b>ADDITIONAL NO.:</b>	QY-8950, QY-8901, QY-8951
<b>TEST SAMPLE:</b>	Engineering Sample
<b>APPLICANT:</b>	Clarion Co., Ltd.
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



## 2. RF EXPOSURE LIMIT

### 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

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

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

## 4. 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**.



## 5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0	PCB Antenna

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	1.208	0	20	0.0002403	1.0

--- END ---