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FCC COMPLIANCE REPORT

Order No.	: STR-06-0124/G
Reference No.	: STK-06-EMCG0025
Applicant	: Omron Automotive Electronics Korea Co., Ltd.
Address of Applicant	: 481-2, Kasan-Dong, Kumchun-Ku, Seoul, 153-023, Korea

Equipment Under Test (EUT) :

Name	: RF Keyless Entry System (Receiver)
Model No.	: OKA-672R
FCC ID	: OSLOKA-672R

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

Date of Receipt	: 13	March	2006
Date of Test	: 15	March	2006
Date of Issue	: 24	March	2006

Test Result :	PASS
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In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report shall not be reproduced except in full, without the written approval of the laboratory. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Carl Lee EMC DIV. Manager SGS Testing Korea CO., LTD.

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1. General Information

1.1 Applicant & Manufacturer Information

Applicant	: Omron Automotive Electronics Korea Co., Ltd.
Address of Applicant	: 481-2, Kasan-Dong, Kumchun-Ku, Seoul, 153-023,
	Korea
Manufacturer	: Omron Automotive Electronics Korea Co., Ltd.
Address of Manufacturer	: 481-2, Kasan-Dong, Kumchun-Ku, Seoul, 153-023,
	Korea

1.2 General Description of EUT

: RF Keyless Entry System (Receiver)
: OKA-672R
: None
: OSLOKA-672R

1.3 Details of EUT

Operating Frequency : 3	15.1 MHz
Tested Power Supply : D)C 12V
Port : F	ower & Signal Port
Description of Operating	: Operate it continually.
Modifications to the EUT	: None

1.4 Description of Support Units

Product	Model No.	Serial No.	Manufacturer
RF Keyless Entry System (Transmitter)	N/A	N/A	Omron Automotive Electronics Korea Co., Ltd.

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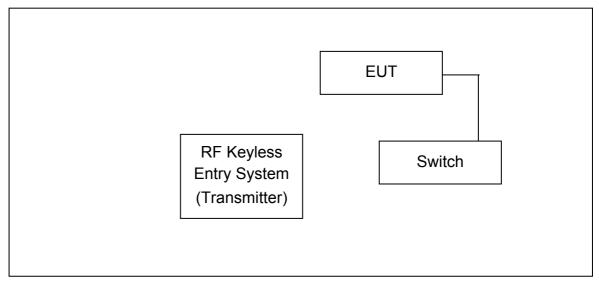
1.5 Cable List

	Start	EN	1D	Cab	ole Spec
Name	I/O Port	Name	I/O Port	Length	Shield
EUT	Power & Signal	Switch	Power & Signal	1.0	Unshielded

1.6 System Configuration

Description	Model	Serial No.	Manufacturer
Main Board	95790-2F000	-	N/A

1.7 Test Set-Up Configuration



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1.8 Measurment Procedure

Conducted Emission Testing was performed according ANSI C63.4:2003 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2003 at the open field test site. The EUT was placed in a 0.8m high table along with the peripherals. The turn table was separated from the antenna distance 3meters. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for maximum.

The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Reported are maximized emission levels.

Test Standards	Status
FCC Part 15,Subpart B, Class B	Applicable
Deviation from Standard	No Deviation

Table of tests to be carried out under FCC Part 15. Subpart B. CLASS B

1.9 Standards Applicable for Testing

1.10 Summary of Results

The data collected shows that Model **OKA-672R** complies with Part 15.109 of FCC Technical Rules. The highest emission level observed was at 37.58 MHz radiated emission with a margin of 19.38 dB.

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Radio Disturbance

2.1 Test Results

	Results
Conducted Emission	N/A
Radiated Emission	PASS

2.2 Frequency Range

Conducted Emission	: 150 kHz - 30 MHz
Radiated Emission	: 30 MHz - 1000 MHz, Above 1000MHz

2.3 Limits Of Conducted And Radiated Emission

2.3.1 Limit Of Conducted Emission Of FCC Part 15, Subpart B

FREQUENCY	Class A	Class B
(MHz)	Quasi - peak	Quasi - peak
0.45 – 1.705	1000uV(60dB)	250uV(48dB)
1.705 - 30.0	3000uV(69.5dB)	250uV(48dB)

2.3.2 Limit Of Radiated Emission Of FCC Part 15, Subpart B

FREQUENCY	Class A (at 10m)*	Class B (at 3m)*
(MHz)	uV/m(dBuV/m)	uV/m(dBuV/m)
30 - 88	90(39)	100(40)
88 - 216	150(43.5)	150(43.5)
216 - 960	210(46.4)	200(46)
Above 960	300(49.5)	500(54)

Note : (1) *Detector Function : Quasi-Peak

(2) The lower limit shall apply at the transition frequencies.

(3) Emission level (dBuV/m) = 20 log Emission level (uV/m).

(4) All emanation from a class A/B digital device or system, including anynetwork of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

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2.4.1 Test Instruments Manufacturer Description Model No. Date of Calibration Test Receiver ESHS 10 Rohde & Sep. 2005 Schwarz TWO-LINE NNB 41 SCHAFFNER Sep. 2005 V-NETWORK TWO-LINE ENV216 Dec. 2005 Rohde & V-NETWORK Schwarz Rohde & Pulse Limiter ESH3-Z2 Dec. 2005 Schwarz

2.4.Test of Conducted Emission

2.4.2 Test Site

Name and address : SGS Testing Korea Co., Ltd.

18-34, Sanbon-dong, Gunpo, Gyeonggi-do, Korea, 435-041

2.4.3 Operating Environment

Temperature :	degree C		Humidity :	%RH
Atmospheric Pre	ssure :	mBar		

2.4.4 Measurement Data

Measurment Bandwidth : 9kHz

Date of Test :

FREQ.	LEVEL(dBµN)		LINE	LIMIT	(dBµV)	MARGI	N(dBµ∛)
(MHz)	Q-Peak	Average		Q-Peak	Average	Q-Peak	Average

Note : This test item is not applied because this product is supplied DC

Power from Car Battery.

Myung-Jin, Lee / Test Engineer

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2.5 Test of Radiated Emission

2.5.1 Test Instruments

Description	Model No.	Manufacturer	Date of Calibration
Test Receiver	ESVS 10	R & S	May. 2005
Biconical Antenna	VHA9103	Schwarzbeck	Mar. 2005
Logperiodic Antenna	UHALP9107	R & S	May. 2005
Amplifier	8447F	H.P	Jun. 2005
Spectrum Analyzer	8593E	H.P	Sep. 2005

2.5.2 Test Site

Name and address : SGS Testing Korea Co., Ltd.

18-34, Sanbon-dong, Gunpo, Gyeonggi-do, Korea, 435-041

2.5.3 Operating Environment

Temperature : 26.5 degree C Atmospheric Pressure : 956 mBar Humidity : 32.6 %RH

2.5.4 Measurement Data

Measurment Bandwidth : 100 kHz

Date of Test : March 15, 2006

Freq	Readin	g(dBuV)	А	Н	AF*	CL**	Result	Limit	Margin***
(MHz)	Н	V	(.)	(m)	(dB)	(dB)	(dBuV/m)	(dB)	(dB)
37.58		4.3	138	1.20	15.72	0.60	20.62	40	19.38
44.80		1.2	340	1.10	13.04	0.67	14.91	40	25.09
106.89		1.3	240	1.30	11.41	1.05	13.76	40	26.24
109.04	1.3		214	3.60	11.71	1.06	17.07	40	22.93

* AF = Antenna Factor. ** CL = Cable Loss.

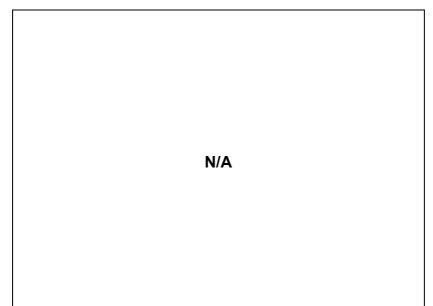
*** Margin=Each Frequency Limit Level(dBuV)-(Level+AF+CL)

Myung-Jin, Lee / Test Engineer

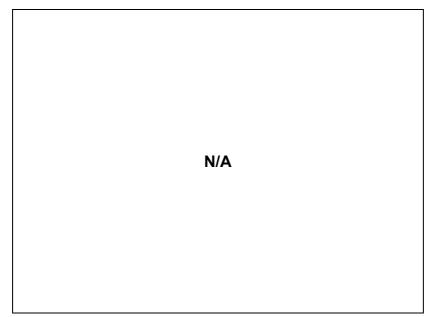
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3. Photographs of Test

• Front View of Conducted Emission



• Rear View of Conducted Emission



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• Front View of Radiated Emission (Biconical Antenna)

• Rear View of Radiated Emission



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• Front View of Radiated Emission (Logperiodic Antenna)

• Rear View of Radiated Emission

