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Certificate No.: F690501/RF-EMG0002688

FCC CLASS B COMPLIANCE REPORT (DOC)

This certifies that the following designated product Name: RF Keyless Entry Syste Model Name: OKA-9	The state of the s
(Product Identification)
It is herewith confirmed and found to comply with the requirements regulations for the evaluation of electromagnetic compatibility. This Device complies with Part 15 of the FCC rules, operation (1) This device may not cause harmful interference and, (2) This device must accept any interference received, including interference that may cause undesired operation.	is subject to the following two conditions.
(Identification of regulations / s	tandards)
This declaration is the responsibility of the m Applicant: Omron Automotive Electron Address of Applicant: Ace Techno 10-cha Geumcheon-gu, Seoul, 153-7 Manufacturer: Omron Automotive Electr Address of Manufacturer: Ace Techno 10-ch Geumcheon-gu, Seoul, 153-7	nics Korea Co., Ltd. 701, 470-5, Gasan-dong, 789, Korea ronics Korea Co., Ltd. a 701, 470-5, Gasan-dong, 789, Korea
(Name / Address) MANUFACTURER / IMPORTER	TEST LABORATORY This is the result of test, that was carried out from the submitted type-samples of a product in conformity with the specification of the respective standards. The certificate holder has the right to fix the FCC-mark for EMI on the product complying with the inspection sample.
	Tan
(Name)	(Forest Lee) April 20, 2009



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EMC TEST REPORT

Reference No. : G-45-2009-00780

Applicant : Omron Automotive Electronics Korea Co., Ltd.

Equipment Under Test (EUT):

Product Name: RF Keyless Entry System (Receiver)

Model Name: OKA-950R

Applied Standards: FCC Part 15: 2008, Subpart B, Class B

RSS-GEN Issue 2: 2007

ANSI C63.4: 2003

CISPR 22: 2006

Date of Receipt : March 20, 2009

Date of Test : April 16, 2009

Date of Issue : April 20, 2009

Test Results : Complied

Tested by

John Oh

Reviewed by

Forest Lee

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 may only be reproduced and distributed in full. 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. Any mention of SGS International Electrical Approvals or Testing done by SGS International Electrical Approvals in connection with distribution or use of the product described in this report must be approved by SGS international Electrical Approvals in writing.

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1. General Information

1.1 Client Information

Applicant : Omron Automotive Electronics Korea Co., Ltd. Address of Applicant : Ace Techno 10-cha 701, 470-5, Gasan-dong,

Geumcheon-gu, Seoul, 153-789, Korea

Manufacturer : Omron Automotive Electronics Korea Co., Ltd. Address of Manufacturer : Ace Techno 10-cha 701, 470-5, Gasan-dong,

Geumcheon-gu, Seoul, 153-789, Korea

1.2 Test Laboratory

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

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

435-041

1.3 General Information of E.U.T.

Product Name : RF Keyless Entry System (Receiver)

Model Name : OKA-950R

Serial No. : None

Power Supply : Input DC 12V Operating Frequency : 313.85 MHz

1.4 Operating Modes and Conditions

Operating mode	Operating condition
Mode 1	RF Receive Mode
RF Receive Mode	

1.5 Peripheral Equipments

Description	Model	Serial No.	Manufacturer
Code Checker	-	-	-
Car Battery	GLOBAL 400R	-	Rocket
RF Keyless Entry System (Transmitter)	OKA-950T	-	Omron Automotive Electronics Korea Co., Ltd.

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1.6 Cable List

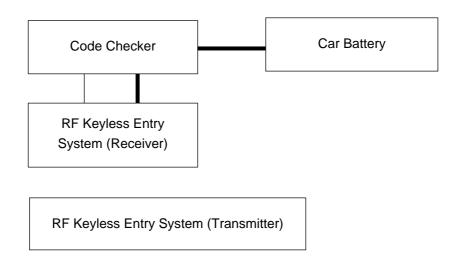
Start		END		Cable Spec.	
Name	I/O Port	Name	I/O Port	Length	Shield
RF Keyless	DC In	Code Checker	-	0.2	Unshielded
Entry System (Receiver)	Signal	Code Checker	-	0.2	Unshielded
Codo	-	RF Keyless Entry System (Receiver)	DC IN	0.2	Unshielded
Code Checker	-	RF Keyless Entry System (Receiver)	Signal	0.2	Unshielded
	-	Car Battery	DC Out	0.2	Unshielded

1.7 System Configurations

Description	Model	Serial No.	Manufacturer
Antenna	-	-	-
Main Board	YF-BCM	-	-

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1.8 Test System Layout



1.9 Applicable Standards for Testing

Standards	Status	Deviation
FCC Part 15, Subpart B	Applicable	No Deviation
RSS-Gen Issue 2	Applicable	No Deviation

1.10 Summary of Test Results

Test Item	Standards	Results
Radiated Emission	FCC Part 15, Subpart B, RSS-Gen Issue 2	Complied

Note: This is powered from car battery. So, the conducted emission is not performed.

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2. Test Description

2.1 Test Equipments

Equipment	Model	Manufacturer	Last Cal. Date		
Test Receiver	ESVS10	R&S	2008.06.30		
Bi-Log Antenna	HL562	R&S	2007.10.02		
Spectrum Analyzer	8593E	HP	2008.07.03		
Amplifier	8447F	HP	2008.07.03		

Note: Only the calibration period of Bi-Log Antenna is 2 years but the period of every equipment is 1 year.

2.2 Test Site

Radiated Emission: 10m Open Area Test Site in Yongin Laboratory.

2.3 Radiated Emission Test Data

Temperature: 20.2 Humidity: 35.0 % RH

Atmospheric Pressure: 101.6 kPa

FREQ.	LEVEL	POL	AF	CL	F/S	LIMIT	MARGIN
(MHz)	(dBμV)	(H/V)	(dB)	(dB)	$(dB\mu V/m)$	$(dB\mu V/m)$	(dB)
36.30	5.60	Н	16.38	0.64	22.61	40.00	17.39

Note : • AF = Antenna Factor

• CL = Cable Loss

• F/S = Field Strength

POL H = Horizontal

POL V = Vertical

Margin = Limit − F/S

• F/S = Level + AF + CL

2.4 Modifications

There was no modified item during the test.

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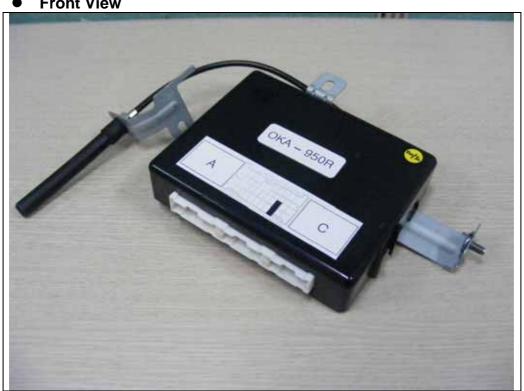
2.5 Photographs of Radiated Emission





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3. Photographs of EUT <u>● Front View</u>



Rear View

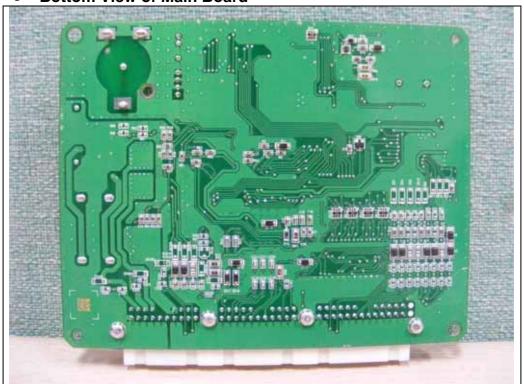


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Top View of Main Board



Bottom View of Main Board



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Inside

