FCC COMPLIANCE REPORT

Order No. : **STR-06-0002/G**
Reference No. : **STK-06-EMCG002**
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-351R
FCC ID : OSLOKA-351R

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

Date of Receipt : **03 January 2006**
Date of Test : **05 January 2006**
Date of Issue : **13 January 2006**

Test Result :	**PASS**

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.

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

Contents

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

Name : RF Keyless Entry System (Receiver)
Model No. : OKA-351R
Serial No : None
FCC ID : OSLOKA-351R

1.3 Details of EUT

Operating Frequency : 313.85 MHz
Tested Power Supply : DC 12V
Port : Power & 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)	OKA-310T	N/A	Omron Automotive Electronics Korea Co., Ltd.

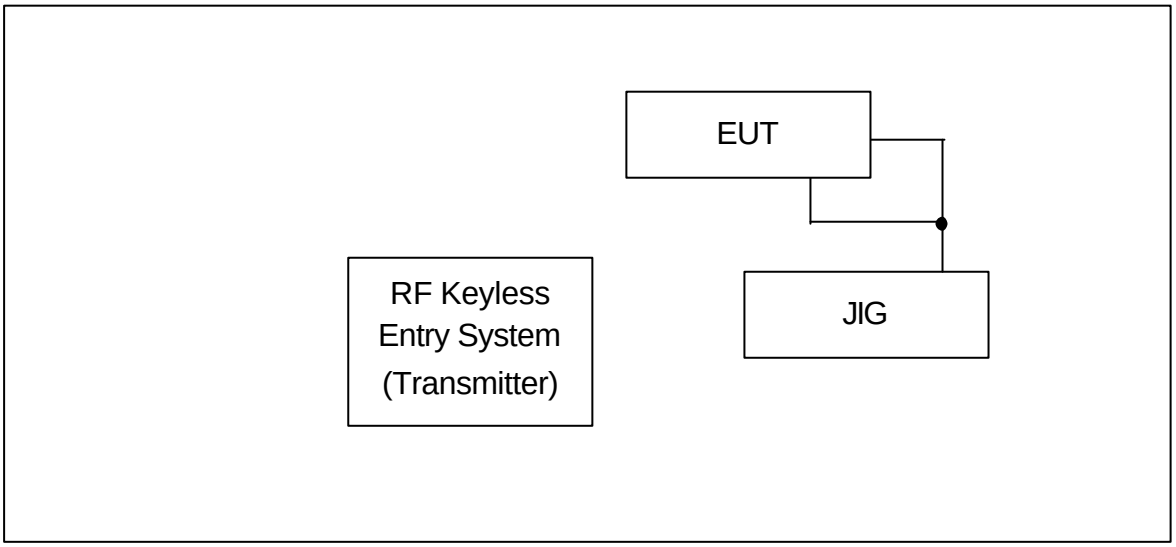
1.5 Cable List

Start		END		Cable 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	HD-BCM	0531S	N/A

1.7 Test Set-Up Configuration



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.

1.9 Standards Applicable for Testing

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

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

1.10 Summary of Results

The data collected shows that Model **OKA-351R** complies with Part 15.109 of FCC Technical Rules. The highest emission level observed was at 389.43MHz radiated emission with a margin of 7.50dB.

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 (MHz)	Class A Quasi - peak	Class B 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 (MHz)	Class A (at 10m)* uV/m(dBuV/m)	Class B (at 3m)* 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.

2.4.Test of Conducted Emission

2.4.1 Test Instruments

Description	Model No.	Manufacturer	Date of Calibration
Test Receiver	ESHS 10	Rohde & Schwarz	Sep. 2005
Test Receiver	ESVS 10	R & S	May. 2005
TWO-LINE V-NETWORK	NNB 41	SCHAFFNER	Sep. 2005
LISN	3825/2	EMCO	Dec. 2005
Pulse Limiter	ESH3-Z2	R & S	Jul. 2005

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 Pressure : mBar

2.4.4 Measurement Data

Measurment Bandwidth : 9kHz

Date of Test :

FREQ. (MHz)	LEVEL(dBμV)		LINE	LIMIT(dBμV)		MARGIN(dBμV)	
	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

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	305-1052	SONOMA Instruments Co.	Jun. 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 : 23.0 degree C Humidity : 35 %RH

Atmospheric Pressure : 1002 mBar

2.5.4 Measurement Data

Measurment Bandwidth : 100kHz

Date of Test : January 05, 2006

Freq	Reading(dBuV		A	H	AF*	CL**	Result	Limit	Margin***
(MHz)	H	V	(.)	(m)	(dB)	(dB)	(dBuV/m)	(dB)	(dB)
192.01		31.3	293	1.10	15.93	-26.24	21.04	40	18.96
259.63	34.6		298	1.40	16.69	-25.66	25.62	47	21.38
324.53	42.1		356	1.20	15.98	-25.58	32.50	47	14.50
389.43	48.9		282	1.20	-25.90	2.03	39.50	47	7.50

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

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

Myung-Jin, Lee / Test Engineer

3. Photographs of Test

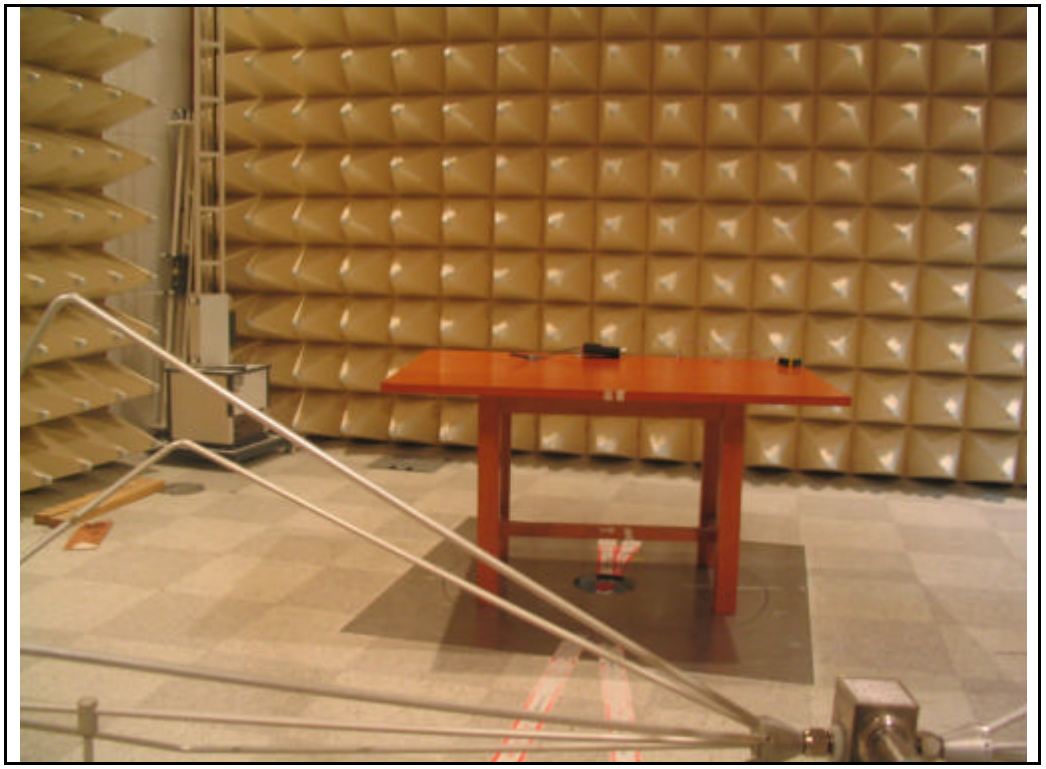
- **Front View of Conducted Emission**

N/A

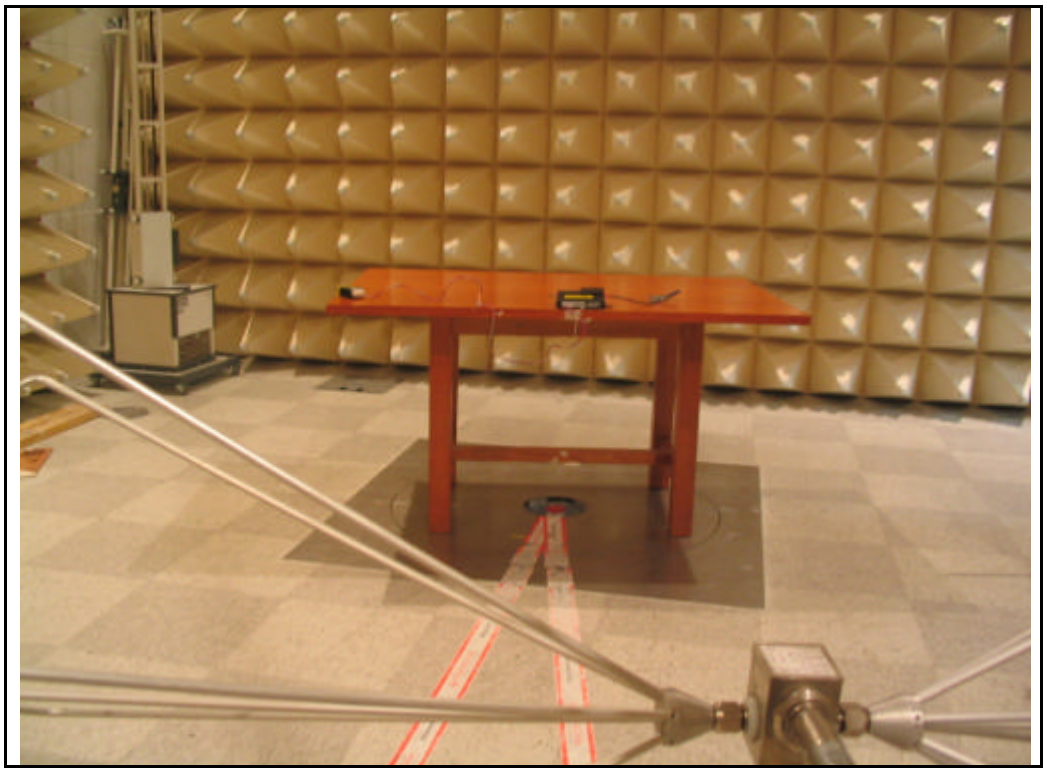
- **Rear View of Conducted Emission**

N/A

- **Front View of Radiated Emission (Biconical Antenna)**



- **Rear View of Radiated Emission**



- **Front View of Radiated Emission (Logperiodic Antenna)**

- **Rear View of Radiated Emission**