

APPENDIX 1: Photographs of test setup

Radiated Emission
Antenna A

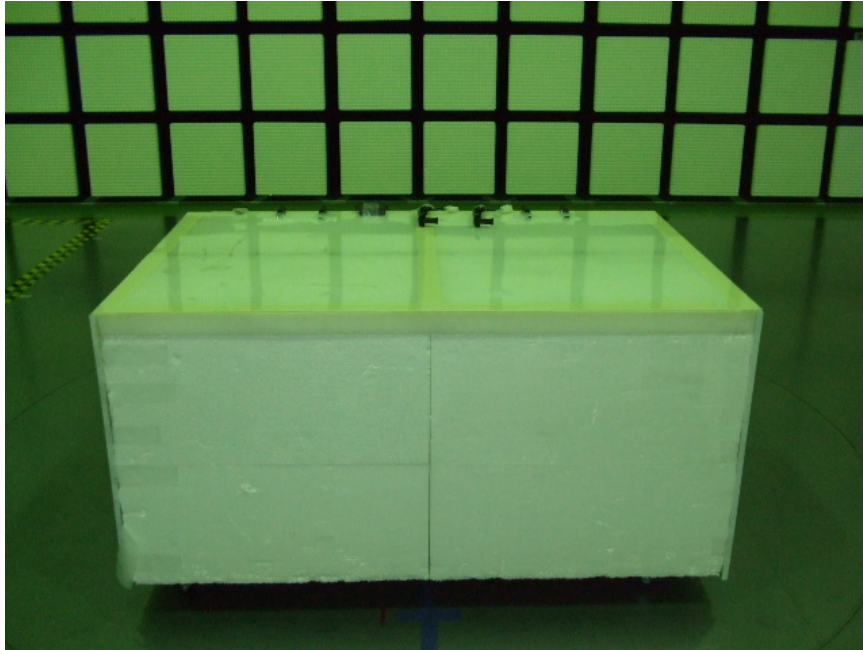


Photo 1

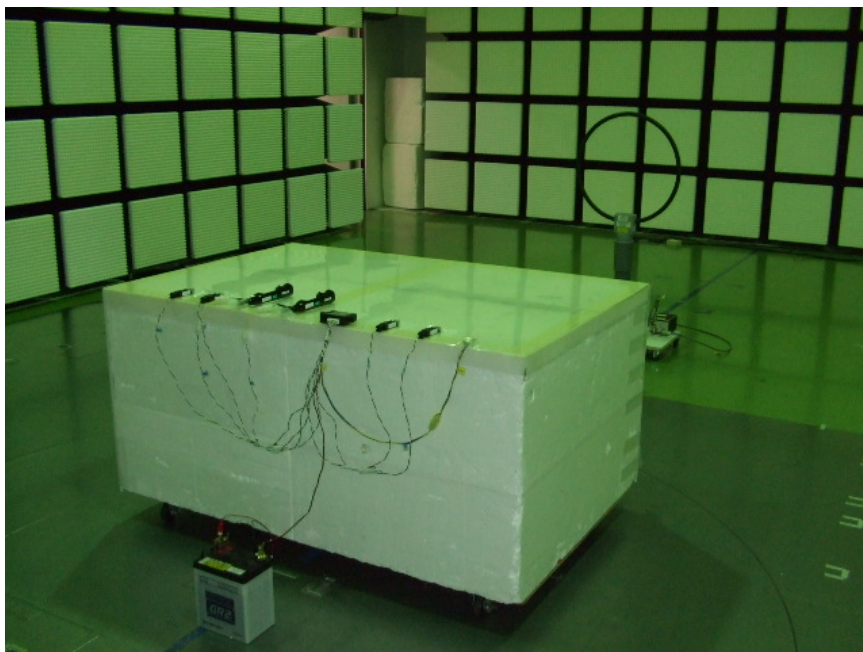


Photo 2

Radiated Emission
Antenna C and F

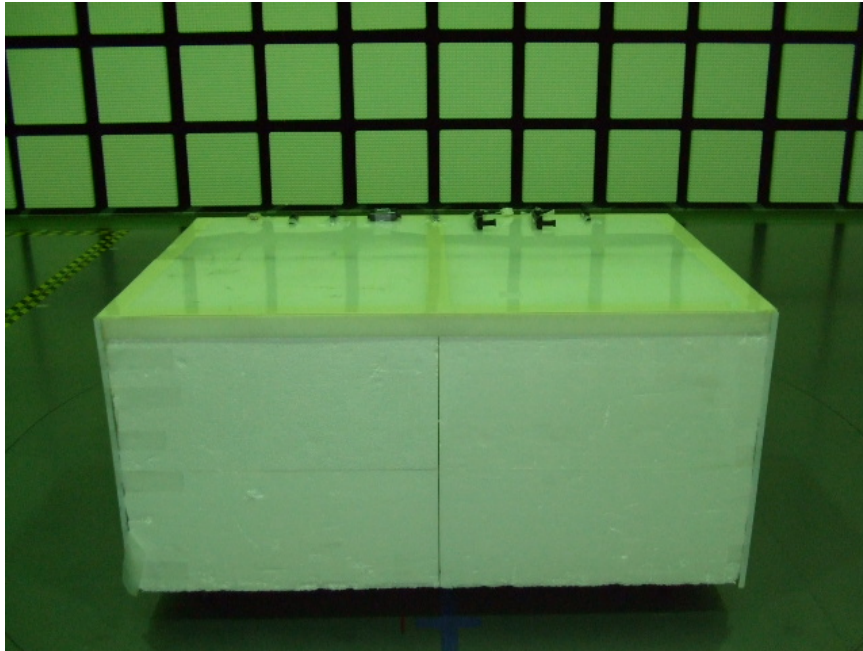


Photo 1

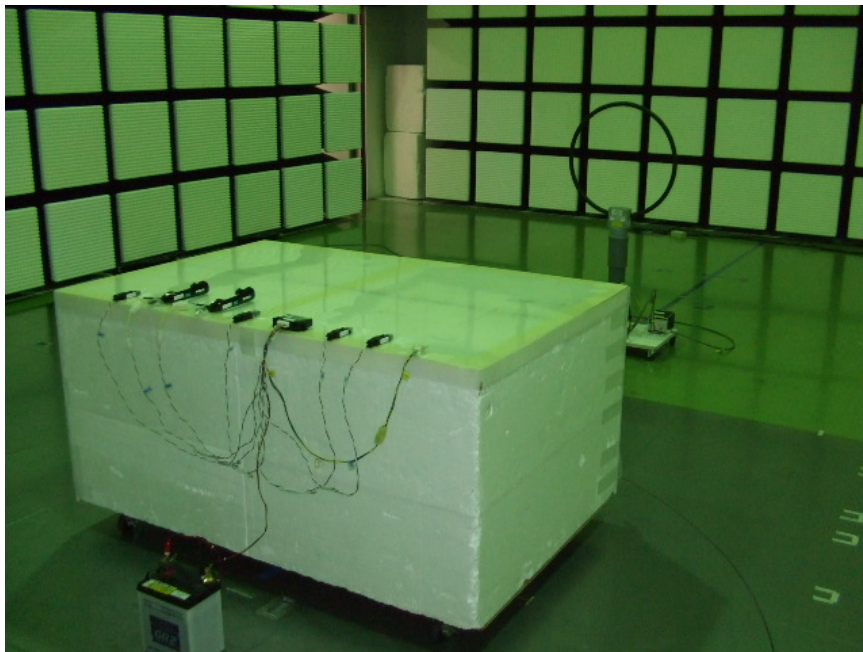


Photo 2

Worst Case Position

Antenna A
Below 30MHz:X-axis
Above 30MHz(Hori:Z-axis /Vert:Z-axis)

X-axis



Y-axis



Z-axis



Antenna C
Below 30MHz:X-axis
Above 30MHz(Hori:X-axis /Vert:X-axis)

X-axis



Y-axis



Z-axis



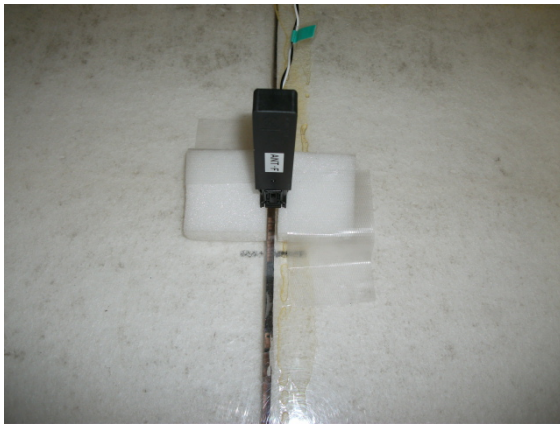
Worst Case Position

Antenna F
Below 30MHz:X-axis
Above 30MHz(Hori:Z-axis /Vert:Z-axis)

X-axis



Y-axis



Z-axis



ECU
Below 30MHz:X-axis
Above 30MHz(Hori:Y-axis /Vert:Y-axis)

X-axis



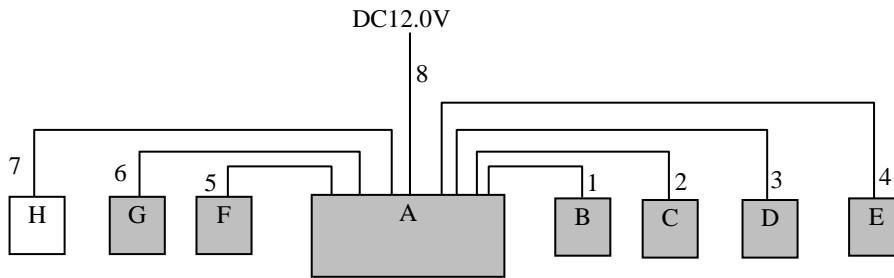
Y-axis



Z-axis



4.2 Configuration and peripherals



* Cabling and setup were taken into consideration and test data was taken under worse case conditions.

Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	Remarks
A	Keyless System LFU	SKE134-01	20110131-L1	Mitsubishi Electric Corporation Himeji works	EUT
B	LF Antenna	-	Ant A	-	EUT
C	LF Antenna	-	Ant B	-	EUT
D	LF Antenna	-	Ant C	Mitsubishi Electric Corporation Himeji works	EUT
E	LF Antenna	-	Ant D	Mitsubishi Electric Corporation Himeji works	EUT
F	LF Antenna	-	Ant E	Mitsubishi Electric Corporation Himeji works	EUT
G	LF Antenna	-	Ant F	Mitsubishi Electric Corporation Himeji works	EUT
H	SW Box 1	-	-	Mitsubishi Electric Corporation Himeji works	-

List of cables used

No.	Name	Length (m)	Shield		Remark
			Cable	Connector	
1	Antenna Cable	1.5	Unshielded	Unshielded	-
2	Antenna Cable	1.5	Unshielded	Unshielded	-
3	Antenna Cable	1.3	Unshielded	Unshielded	-
4	Antenna Cable	1.3	Unshielded	Unshielded	-
5	Antenna Cable	1.3	Unshielded	Unshielded	-
6	Antenna Cable	1.3	Unshielded	Unshielded	-
7	Signal Cable	0.9	Unshielded	Unshielded	-
8	DC Cable	1.3	Unshielded	Unshielded	-

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124