APPENDIX 2: Data of EMI test

Radiated Emission (below 1GHz)

DATA OF RADIATED EMISSION TEST

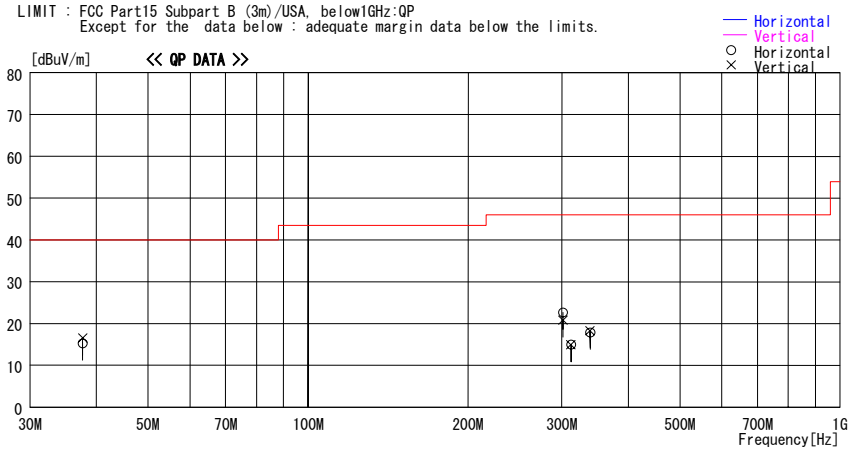
UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/11/11 13:18:14

Company : DENSO CORPORATION
Kind of EUT : Remote Keyless Entry System (Receiver)
Model No. : 13CZA
Serial No. : No.2

Report No. : 27CE0103-HO
Power : DC 13.2V
Temp./Humi. : 25deg.C. / 57%
Operator : Mitsuru fujimura

Mode / Remarks : Rx 312.15MHz Hori(Z-axis) Vert(Y-axis)

LIMIT : FCC Part15 Subpart B (3m)/USA, below1GHz:QP
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
37.680	26.2	QP	15.3	-25.0	16.5	309	100	Vert.	40.0	23.5	
37.680	25.0	QP	15.3	-25.0	15.3	200	300	Hori.	40.0	24.7	
301.452	28.6	QP	14.5	-22.3	20.8	31	223	Vert.	46.0	25.2	
301.463	30.4	QP	14.5	-22.3	22.6	208	100	Hori.	46.0	23.4	
312.150	22.2	QP	14.9	-22.2	14.9	0	100	Vert.	46.0	31.1	
312.150	22.3	QP	14.9	-22.2	15.0	208	100	Hori.	46.0	31.0	
339.140	24.5	QP	15.9	-22.1	18.3	31	223	Vert.	46.0	27.7	
339.150	24.1	QP	15.9	-22.1	17.9	208	100	Hori.	46.0	28.1	

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Radiated Emission (above 1GHz)

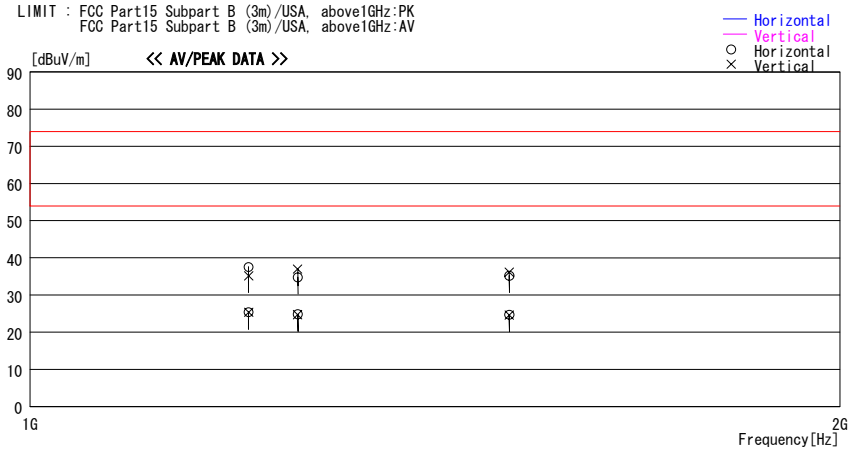
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/11/11 14:56:56

Company	: DENSO CORPORATION	Report No.	: 27CE0103-HO
Kind of EUT	: Remote Keyless Entry System (Receiver)	Power	: DC 13.2V
Model No.	: 13CZA	Temp./Humi.	: 25deg.C. / 57%
Serial No.	: No.2	Operator	: Mitsuru Fujimura

Mode / Remarks : Rx 312.15MHz Hori(Y-axis) Vert(Y-axis)

LIMIT : FCC Part15 Subpart B (3m)/USA, above1GHz:PK
FCC Part15 Subpart B (3m)/USA, above1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
1205.800	44.9	PK	25.9	-33.2	37.6	1	100	Hori.	73.9	36.4	
1205.800	32.6	AV	25.9	-33.2	25.3	1	100	Hori.	53.9	28.6	
1205.800	42.5	PK	25.9	-33.2	35.2	1	100	Vert.	73.9	38.8	
1205.800	32.6	AV	25.9	-33.2	25.3	1	100	Vert.	53.9	28.6	
1257.400	41.7	PK	25.9	-32.9	34.7	1	100	Hori.	73.9	39.2	
1257.400	31.8	AV	25.9	-32.9	24.8	1	100	Hori.	53.9	29.1	
1257.400	31.7	AV	25.9	-32.9	24.7	1	100	Vert.	53.9	29.2	
1257.400	44.0	PK	25.9	-32.9	37.0	1	100	Vert.	73.9	36.9	
1507.250	41.3	PK	26.1	-32.2	35.2	1	100	Hori.	73.9	38.7	
1507.250	30.7	AV	26.1	-32.2	24.6	1	100	Vert.	53.9	29.3	
1507.250	42.3	PK	26.1	-32.2	36.2	1	100	Vert.	73.9	37.7	
1507.250	30.8	AV	26.1	-32.2	24.7	1	100	Hori.	53.9	29.2	

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

APPENDIX 3: Test instruments

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2006/03/03 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE	2006/06/02 * 12
MDPS-05	DC Power Supply	KENWOOD TMI	PW8-3ATP	RE	Pre Check
MCB-03	Car Battery	YUASA	40B19L	RE	Pre Check
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/01/29 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2006/01/29 * 12
MCC-51	Coaxial cable	UL Apex	-	RE	2006/03/11 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2006/03/11 * 12
MPA-13	Pre Amplifier	SONOA INSTRUMENT	310	RE	2006/03/25 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/04/06 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2006/03/27 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	2006/06/19 * 60
MJM-07	Measure	PROMART	SEN1955	RE	-

The expiration date of the calibration is the end of the expired month.
All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:
RE: Radiated emission