

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.1 Semi-Anechoic Chamber
Date : 2012/01/08

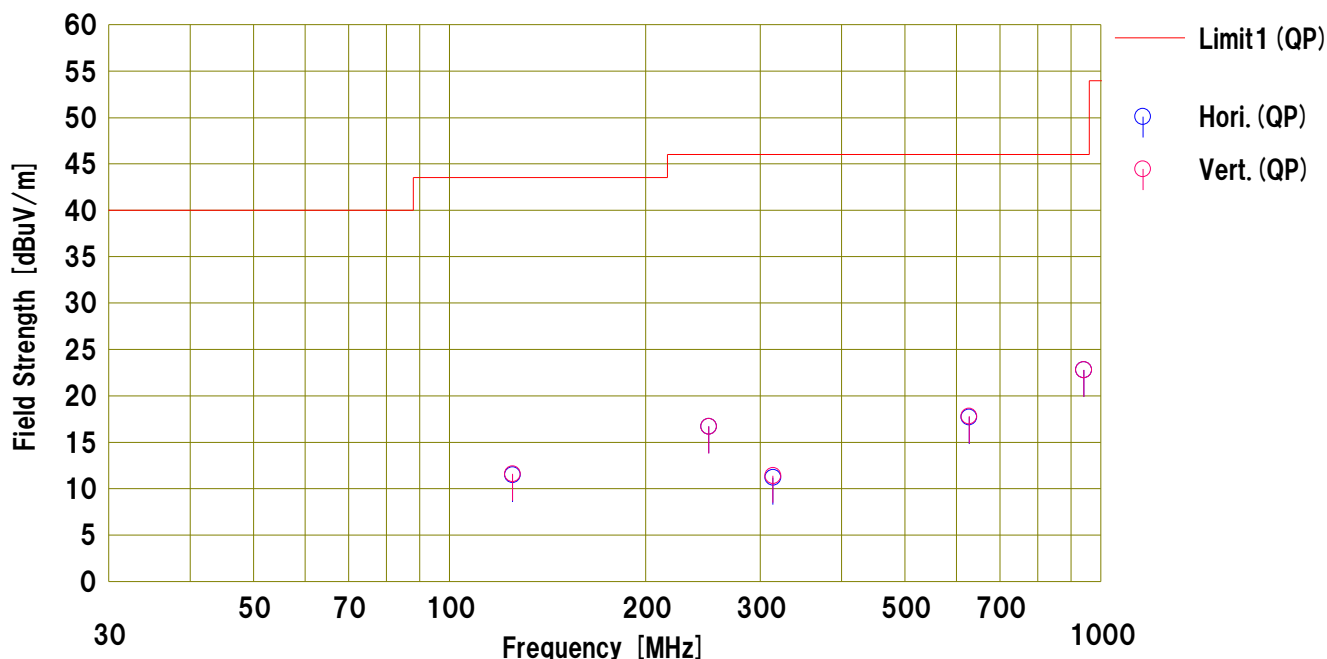
Company : Honda Lock Mfg. Co., Ltd.
Kind of EUT : Immobilizer system
Model No. : HLIK6-1R
Serial No. : 1

Mode : Receiving
Report No. : 32EE0044-SH-01-C
Power : DC 12V
Temp./Humi. : 20deg.C. / 25%RH

Remarks : EUT worst axis: H:Y, V: Y

Limit1 : FCC 15B Class B (3m)

Engineer : Tatsuya Arai



No.	Freq. [MHz]	Reading <QP>	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	Result <QP>	Limit <QP>	Margin <QP>	Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
		[dBuV]				[dBuV/m]	[dBuV/m]	[dB]					
1	125.000	21.8	13.3	8.2	31.8	11.5	43.5	32.0	Hori.	100	0	BC	
2	250.000	21.7	17.3	9.4	31.7	16.7	46.0	29.3	Hori.	100	0	BC	
3	313.850	21.7	14.4	6.9	31.8	11.2	46.0	34.8	Hori.	100	0	LP	
4	627.700	21.8	19.2	8.7	32.0	17.7	46.0	28.3	Hori.	100	0	LP	
5	941.550	21.4	22.3	10.2	31.1	22.8	46.0	23.2	Hori.	100	0	LP	
6	125.000	21.9	13.3	8.2	31.8	11.6	43.5	31.9	Vert.	100	0	BC	
7	250.000	21.7	17.3	9.4	31.7	16.7	46.0	29.3	Vert.	100	0	BC	
8	313.850	21.9	14.4	6.9	31.8	11.4	46.0	34.6	Vert.	100	0	LP	
9	627.700	21.9	19.2	8.7	32.0	17.8	46.0	28.2	Vert.	100	0	LP	
10	941.550	21.4	22.3	10.2	31.1	22.8	46.0	23.2	Vert.	100	0	LP	

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Remarks : EUT worst axis: H:Y, V: Y

Limit1 : FCC 15B Class B (3m) AV
Limit2 : FCC 15B Class B (3m) Peak

Engineer : Tatsuya Arai

<< AV/PK DATA >>

No.	Freq. [MHz]	Reading		Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	Result		Limit		Margin		Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
		<AV> [dBuV]	<PK> [dBuV]				<AV> [dBuV/m]	<PK> [dBuV/m]	<AV> [dBuV/m]	<PK> [dBuV/m]	<AV> [dB]	<PK> [dB]					
1	1255.400	34.2	46.3	24.6	2.7	41.0	20.5	32.6	53.9	73.9	33.4	41.3	Hori.	100	0	SHA01	
2	1883.100	33.8	45.9	26.0	3.3	40.8	22.3	34.4	53.9	73.9	31.6	39.5	Hori.	100	0	SHA01	
3	1255.400	34.3	46.8	24.6	2.7	41.0	20.6	33.1	53.9	73.9	33.3	40.8	Vert.	100	0	SHA01	
4	1883.100	33.8	46.3	26.0	3.3	40.8	22.3	34.8	53.9	73.9	31.6	39.1	Vert.	100	0	SHA01	

APPENDIX 3 Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
SAF-01	Pre Amplifier	SONOMA	310N	290211	RE	2011/02/17 * 12
SAT6-05	Attenuator	JFW	50HF-006N	-	RE	2011/02/17 * 12
SAT3-04	Attenuator	JFW	50HF-003N	-	RE	2011/02/17 * 12
SBA-01	Biconical Antenna	Schwarzbeck	BBA9106	91032664	RE	2011/10/15 * 12
SCC-A1/A3/A5/A7/A8/A13/SRSE-01	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-269(RF Selector)	RE	2011/04/28 * 12
SCC-A2/A4/A6/A7/A8/A13/SRSE-01	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-269(RF Selector)	RE	2011/04/28 * 12
SLA-01	Logperiodic Antenna	Schwarzbeck	UHALP9108A	UHALP 9108-A 0888	RE	2011/11/23 * 12
SOS-01	Humidity Indicator	A&D	AD-5681	4062555	RE	2011/02/23 * 12
STR-01	Test Receiver	Rohde & Schwarz	ESU40	100093	RE	2011/10/22 * 12
SJM-12	Measure	PROMART	SEN1935	-	RE	-
SAEC-01(NSA)	Semi-Anechoic Chamber	TDK	SAEC-01(NSA)	1	RE	2011/09/01 * 12
COTS-SEMI-1	EMI Software	TSJ	TEPTO-DV(RE,CE,RFI,MF)	-	RE	-
SAT6-07	Attenuator	JFW	50HF-006N	-	RE	2011/02/17 * 12
SLP-02	Loop Antenna	Rohde & Schwarz	HFH2-Z2	100218	RE	2011/10/19 * 12
SAF-04	Pre Amplifier	TOYO Corporation	TPA0118-36	1440489	RE	2011/03/23 * 12
SCC-G01	Coaxial Cable	Suhner	SUCOFLEX 104A	46497/4A	RE	2011/04/28 * 12
SCC-G21	Coaxial Cable	Suhner	SUCOFLEX 104	296169/4	RE	2011/05/27 * 12
SHA-01	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-725	RE	2011/08/11 * 12

The expiration date of the calibration is the end of the expired month .

As for some calibrations performed after the tested dates , those test equipment have been controlled by means of an unbroken chains of calibrations .

All equipment is calibrated with valid calibrations . Each measurement data is traceable to the national or international standards .

Test Item :

RE: Radiated emission ,