APPENDIX 2: Data of EMI test

Radiated Emission below 30MHz (Fundamental and Spurious Emission)

DATA OF RADIATED EMISSION TEST

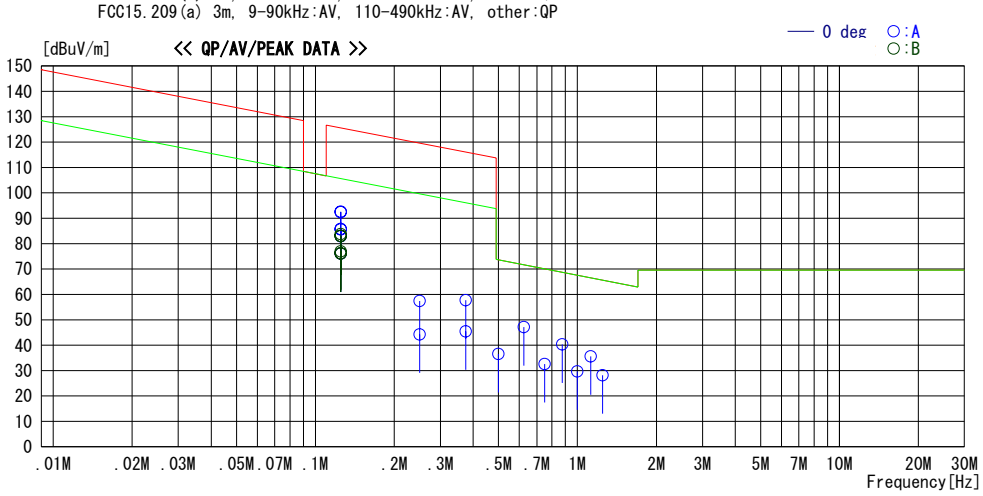
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./ Humi. : 22deg.C. / 31%
Engineer : Takumi Shimada

Mode / Remarks : LF Transmitting 125kHz, Max Antenna / Worst axis : X-axis

LIMIT : FCC15.209(a) 3m, 9-90kHz:PK, 110-490kHz:PK, other:QP
FCC15.209(a) 3m, 9-90kHz:AV, 110-490kHz:AV, other:QP



Freq.	Reading	DET	Ant.Fac	Loss	Gain	Result	Limit	Margin	Antenna		Table	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[deg]		[deg]	
0.12500	98.8	PEAK	19.9	6.0	32.1	92.6	125.6	33.0	0	A	359	X-axis
0.12500	92.0	AV	19.9	6.0	32.1	85.8	105.7	19.9	0	A	359	X-axis
0.12500	89.1	PEAK	19.9	6.0	32.1	82.9	125.6	42.7	0	A	252	Y-axis
0.12500	82.3	AV	19.9	6.0	32.1	76.1	105.7	29.6	0	A	252	Y-axis
0.12500	98.7	PEAK	19.9	6.0	32.1	92.5	125.6	33.1	0	A	270	Z-axis
0.12500	91.9	AV	19.9	6.0	32.1	85.7	105.7	20.0	0	A	270	Z-axis
0.12500	89.2	PEAK	19.9	6.0	32.1	83.0	125.6	42.6	0	B	192	X-axis Hor
0.12500	82.4	AV	19.9	6.0	32.1	76.2	105.7	29.5	0	B	192	X-axis Hor
0.12500	90.0	PEAK	19.9	6.0	32.1	83.8	125.6	41.8	0	B	236	Y-axis Hor
0.12500	83.2	AV	19.9	6.0	32.1	77.0	105.7	28.7	0	B	236	Y-axis Hor
0.12500	89.2	PEAK	19.9	6.0	32.1	83.0	125.6	42.6	0	B	270	Z-axis Hor
0.12500	82.3	AV	19.9	6.0	32.1	76.1	105.7	29.6	0	B	270	Z-axis Hor
0.25000	63.7	PEAK	19.7	6.1	32.1	57.4	119.6	62.2	0	A	190	X-axis
0.25000	50.5	AV	19.7	6.1	32.1	44.2	99.6	55.4	0	A	190	X-axis
0.37500	64.1	PEAK	19.7	6.1	32.1	57.8	116.1	58.3	0	A	180	X-axis
0.37500	51.7	AV	19.7	6.1	32.1	45.4	96.1	50.7	0	A	180	X-axis
0.50000	42.9	QP	19.6	6.1	32.1	36.5	73.6	37.1	0	A	359	X-axis
0.62500	53.4	QP	19.6	6.2	32.1	47.1	71.7	24.6	0	A	359	X-axis
0.75000	38.9	QP	19.6	6.2	32.1	32.6	70.1	37.5	0	A	359	X-axis
0.87500	46.6	QP	19.6	6.2	32.1	40.3	68.7	28.4	0	A	359	X-axis
1.00000	36.0	QP	19.6	6.2	32.1	29.7	67.6	37.9	0	A	359	X-axis
1.12500	42.0	QP	19.6	6.2	32.1	35.7	66.5	30.8	0	A	359	X-axis
1.25000	34.5	QP	19.6	6.2	32.1	28.2	65.6	37.4	0	A	359	X-axis

CHART: WITH FACTOR , ANT TYPE: LOOP , Except for the data below : adequate margin data below the limits.
CALCULATION : RESULT[dBuV] = READING[dBuV] + ANT FACTOR[dB] + LOSS[dB](CABLE + ATTEN.- AMP.)

Radiated Emission above 30MHz (Fundamental and Spurious Emission)

DATA OF RADIATED EMISSION TEST

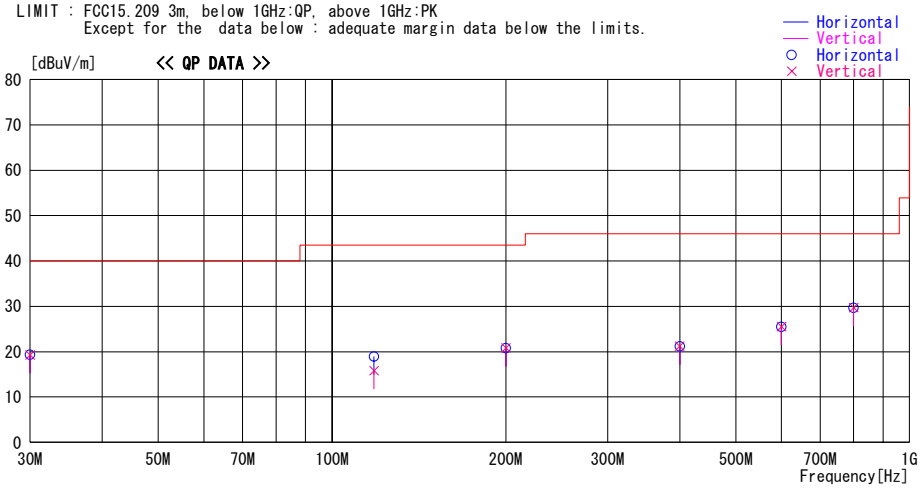
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./Humi. : 20deg.C. / 46%
Engineer : Kazufumi Nakai

Mode / Remarks : LF Transmitting 125kHz, Max Antenna / Antenna:X, ECU:X

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
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
30.000	36.6	QP	17.1	-34.4	19.3	0	100	Hori.	40.0	20.7	Noise Floor
30.000	36.6	QP	17.1	-34.4	19.3	0	100	Vert.	40.0	20.7	Noise Floor
118.244	39.0	QP	12.6	-32.7	18.9	8	265	Hori.	43.5	24.6	
118.246	35.9	QP	12.6	-32.7	15.8	354	100	Vert.	43.5	27.7	
200.000	35.7	QP	16.7	-31.6	20.8	0	100	Hori.	43.5	22.7	Noise Floor
200.000	35.7	QP	16.7	-31.6	20.8	0	100	Vert.	43.5	22.7	Noise Floor
400.000	35.2	QP	15.9	-29.9	21.2	0	100	Hori.	46.0	24.8	Noise Floor
400.000	35.2	QP	15.9	-29.9	21.2	0	100	Vert.	46.0	24.8	Noise Floor
600.000	35.3	QP	18.9	-28.7	25.5	0	100	Hori.	46.0	20.5	Noise Floor
600.000	35.3	QP	18.9	-28.7	25.5	0	100	Vert.	46.0	20.5	Noise Floor
800.000	35.1	QP	22.0	-27.4	29.7	0	100	Hori.	46.0	16.3	Noise Floor
800.000	35.1	QP	22.0	-27.4	29.7	0	100	Vert.	46.0	16.3	Noise Floor

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 below 30MHz (Fundamental and Spurious Emission)

-

DATA OF RADIATED EMISSION TEST

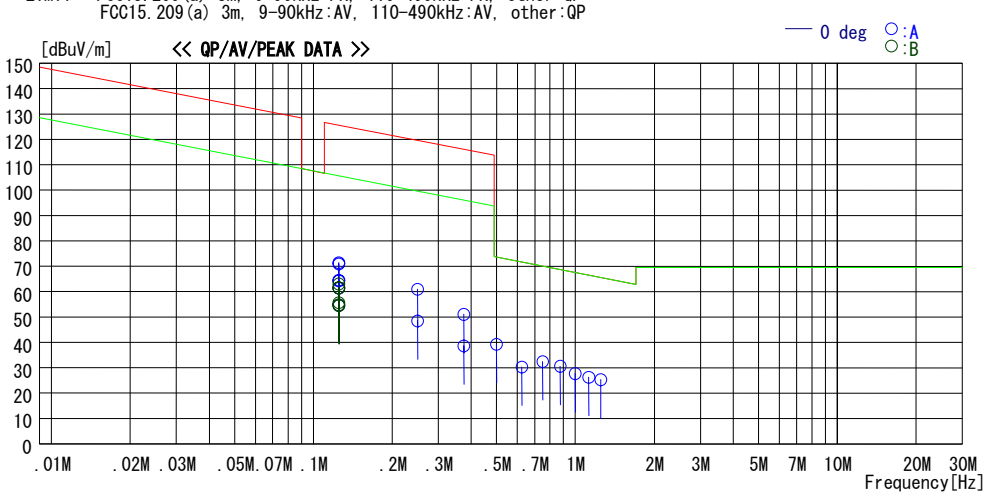
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp. / Humi. : 22deg.C. / 31%
Engineer : Takumi Shimada

Mode / Remarks: LF Transmitting 125kHz, Min Antenna / Worst axis : X-axis

LIMIT : FCC15.209(a) 3m, 9-90kHz:PK, 110-490kHz:PK, other:QP
FCC15.209(a) 3m, 9-90kHz:AV, 110-490kHz:AV, other:QP



Freq. [MHz]	Reading [dBuV]	DET	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Antenna [deg]		Table [deg]	Comment
0.12500	77.6	PEAK	19.9	6.0	32.1	71.4	125.6	54.2	0	A	180	X-axis
0.12500	70.7	AV	19.9	6.0	32.1	64.5	105.7	41.2	0	A	180	X-axis
0.12500	67.6	PEAK	19.9	6.0	32.1	61.4	125.6	64.2	0	A	270	Y-axis
0.12500	60.8	AV	19.9	6.0	32.1	54.6	105.7	51.1	0	A	270	Y-axis
0.12500	77.2	PEAK	19.9	6.0	32.1	71.0	125.6	54.6	0	A	270	Z-axis
0.12500	70.5	AV	19.9	6.0	32.1	64.3	105.7	41.4	0	A	270	Z-axis
0.12500	67.8	PEAK	19.9	6.0	32.1	61.6	125.6	64.0	0	B	180	X-axis Hor
0.12500	60.8	AV	19.9	6.0	32.1	54.6	105.7	51.1	0	B	180	X-axis Hor
0.12500	69.3	PEAK	19.9	6.0	32.1	63.1	125.6	62.5	0	B	245	Y-axis Hor
0.12500	61.9	AV	19.9	6.0	32.1	55.7	105.7	50.0	0	B	245	Y-axis Hor
0.12500	67.8	PEAK	19.9	6.0	32.1	61.6	125.6	64.0	0	B	270	Z-axis Hor
0.12500	61.1	AV	19.9	6.0	32.1	54.9	105.7	50.8	0	B	270	Z-axis Hor
0.25000	67.2	PEAK	19.7	6.1	32.1	60.9	119.6	58.7	0	A	180	X-axis
0.25000	54.8	AV	19.7	6.1	32.1	48.5	99.6	51.1	0	A	180	X-axis
0.37500	57.4	PEAK	19.7	6.1	32.1	51.1	116.1	65.0	0	A	180	X-axis
0.37500	44.9	AV	19.7	6.1	32.1	38.6	96.1	57.5	0	A	180	X-axis
0.50000	45.6	QP	19.6	6.1	32.1	39.2	73.6	34.4	0	A	180	X-axis
0.62500	36.6	QP	19.6	6.2	32.1	30.3	71.7	41.4	0	A	180	X-axis
0.75000	38.7	QP	19.6	6.2	32.1	32.4	70.1	37.7	0	A	180	X-axis
0.87500	36.9	QP	19.6	6.2	32.1	30.6	68.7	38.1	0	A	180	X-axis
1.00000	34.1	QP	19.6	6.2	32.1	27.8	67.6	39.8	0	A	180	X-axis
1.12500	32.5	QP	19.6	6.2	32.1	26.2	66.5	40.3	0	A	180	X-axis
1.25000	31.6	QP	19.6	6.2	32.1	25.3	65.6	40.3	0	A	180	X-axis

CHART: WITH FACTOR , ANT TYPE: LOOP , Except for the data below : adequate margin data below the limits.
CALCULATION : RESULT[dBuV] = READING[dBuV] + ANT FACTOR[dB] + LOSS[dB](CABLE + ATTEN.- AMP.)

Radiated Emission above 30MHz (Fundamental and Spurious Emission)

DATA OF RADIATED EMISSION TEST

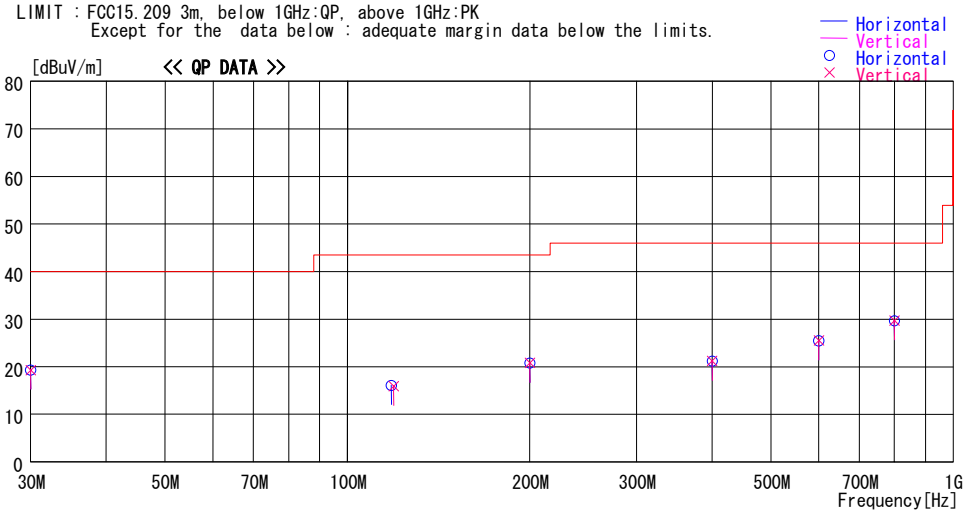
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./Humi. : 20deg.C. / 46%
Engineer : Kazufumi Nakai

Mode / Remarks: LF Transmitting 125kHz, Min Antenna / Antenna:X, ECU:X

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
30.000	36.6	QP	17.1	-34.4	19.3	0	100	Hori.	40.0	20.7	Noise Floor
30.000	36.6	QP	17.1	-34.4	19.3	0	100	Vert.	40.0	20.7	Noise Floor
118.270	36.2	QP	12.6	-32.7	16.1	347	300	Hori.	43.5	27.4	
119.279	35.9	QP	12.7	-32.7	15.9	351	100	Vert.	43.5	27.6	
200.000	35.7	QP	16.7	-31.6	20.8	0	100	Hori.	43.5	22.7	Noise Floor
200.000	35.7	QP	16.7	-31.6	20.8	0	100	Vert.	43.5	22.7	Noise Floor
400.000	35.2	QP	15.9	-29.9	21.2	0	100	Hori.	46.0	24.8	Noise Floor
400.000	35.2	QP	15.9	-29.9	21.2	0	100	Vert.	46.0	24.8	Noise Floor
600.000	35.3	QP	18.9	-28.7	25.5	0	100	Hori.	46.0	20.5	Noise Floor
600.000	35.3	QP	18.9	-28.7	25.5	0	100	Vert.	46.0	20.5	Noise Floor
800.000	35.1	QP	22.0	-27.4	29.7	0	100	Hori.	46.0	16.3	Noise Floor
800.000	35.1	QP	22.0	-27.4	29.7	0	100	Vert.	46.0	16.3	Noise Floor

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 below 30MHz (Fundamental and Spurious Emission)

DATA OF RADIATED EMISSION TEST

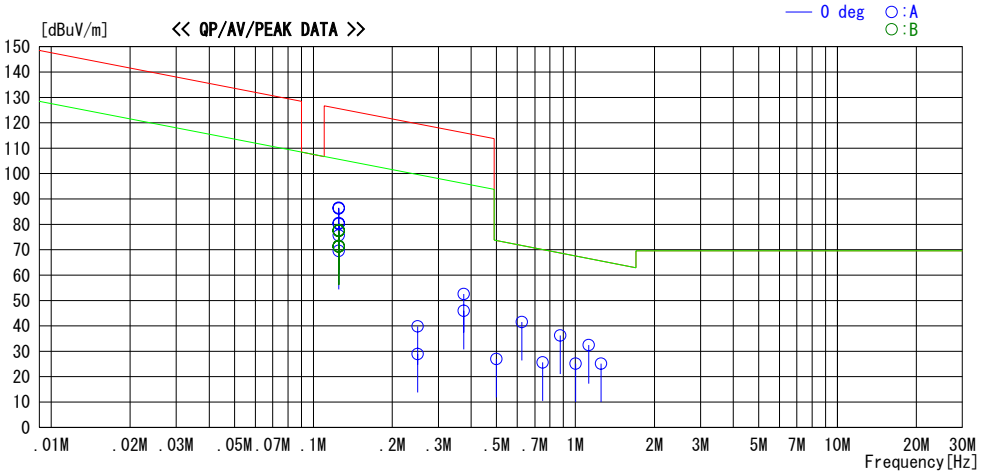
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./ Humi. : 20deg.C. / 46%
Engineer : Kazufumi Nakai

Mode / Remarks : Immobilizer Transmitting 125kHz, / Worst axis : X-axis

LIMIT : FCC15.209(a) 3m, 9-90kHz:PK, 110-490kHz:PK, other:QP
FCC15.209(a) 3m, 9-90kHz:AV, 110-490kHz:AV, other:QP



Freq. [MHz]	Reading [dBuV]	DET	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Antenna [deg]		Table [deg]	Comment
0.12508	92.7	PEAK	19.9	6.0	32.1	86.5	125.6	39.1	0	A	0	X-axis
0.12508	86.6	AV	19.9	6.0	32.1	80.4	105.7	25.3	0	A	0	X-axis
0.12508	81.9	PEAK	19.9	6.0	32.1	75.7	125.6	49.9	0	A	189	Y-axis
0.12508	75.7	AV	19.9	6.0	32.1	69.5	105.7	36.2	0	A	189	Y-axis
0.12508	92.5	PEAK	19.9	6.0	32.1	86.3	125.6	39.3	0	A	88	Z-axis
0.12508	86.3	AV	19.9	6.0	32.1	80.1	105.7	25.6	0	A	88	Z-axis
0.12508	83.6	PEAK	19.9	6.0	32.1	77.4	125.6	48.2	0	B	180	X-axis Hor
0.12508	77.4	AV	19.9	6.0	32.1	71.2	105.7	34.5	0	B	180	X-axis Hor
0.12508	83.9	PEAK	19.9	6.0	32.1	77.7	125.6	47.9	0	B	77	Y-axis Hor
0.12508	77.7	AV	19.9	6.0	32.1	71.5	105.7	34.2	0	B	77	Y-axis Hor
0.12508	83.7	PEAK	19.9	6.0	32.1	77.5	125.6	48.1	0	B	70	Z-axis Hor
0.12508	77.5	AV	19.9	6.0	32.1	71.3	105.7	34.4	0	B	70	Z-axis Hor
0.25017	46.2	PEAK	19.7	6.1	32.1	39.9	119.6	79.7	0	A	359	X-axis
0.25017	35.2	AV	19.7	6.1	32.1	28.9	99.6	70.7	0	A	359	X-axis
0.37524	58.9	PEAK	19.7	6.1	32.1	52.6	116.1	63.5	0	A	359	X-axis
0.37524	52.2	AV	19.7	6.1	32.1	45.9	96.1	50.2	0	A	359	X-axis
0.50033	33.4	QP	19.6	6.1	32.1	27.0	73.6	46.6	0	A	359	X-axis
0.62542	47.9	QP	19.6	6.2	32.1	41.6	71.7	30.1	0	A	359	X-axis
0.75051	32.0	QP	19.6	6.2	32.1	25.7	70.1	44.4	0	A	359	X-axis
0.87560	42.5	QP	19.6	6.2	32.1	36.2	68.7	32.5	0	A	359	X-axis
1.00069	31.5	QP	19.6	6.2	32.1	25.2	67.6	42.4	0	A	359	X-axis
1.12578	38.8	QP	19.6	6.2	32.1	32.5	66.5	34.0	0	A	359	X-axis
1.25087	31.4	QP	19.6	6.2	32.1	25.1	65.6	40.5	0	A	359	X-axis

CHART: WITH FACTOR , ANT TYPE: LOOP , Except for the data below : adequate margin data below the limits.
CALCULATION : RESULT[dBuV] = READING[dBuV] + ANT FACTOR[dB] + LOSS[dB](CABLE + ATTEN.- AMP.)

Radiated Emission above 30MHz (Fundamental and Spurious Emission)

DATA OF RADIATED EMISSION TEST

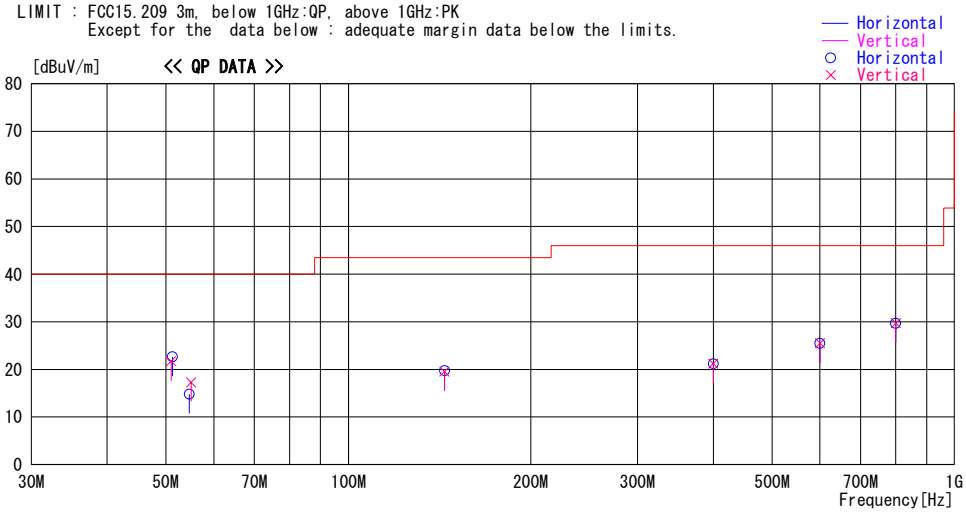
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./Humi. : 20deg.C. / 46%
Engineer : Kazufumi Nakai

Mode / Remarks : Immobilizer Transmitting 125kHz, / Antenna:X, ECU:X

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
51.274	46.1	QP	10.5	-34.0	22.6	175	376	Hori.	40.0	17.4	
51.021	45.1	QP	10.6	-34.0	21.7	290	100	Vert.	40.0	18.3	
54.686	39.4	QP	9.4	-34.0	14.8	170	350	Hori.	40.0	25.2	
55.039	42.0	QP	9.3	-34.0	17.3	288	100	Vert.	40.0	22.7	
144.078	37.5	QP	14.5	-32.3	19.7	347	254	Hori.	43.5	23.8	
144.079	37.3	QP	14.5	-32.3	19.5	82	100	Vert.	43.5	24.0	
400.000	35.2	QP	15.9	-29.9	21.2	0	100	Hori.	46.0	24.8	Noise Floor
400.000	35.2	QP	15.9	-29.9	21.2	0	100	Vert.	46.0	24.8	Noise Floor
600.000	35.3	QP	18.9	-28.7	25.5	0	100	Hori.	46.0	20.5	Noise Floor
600.000	35.3	QP	18.9	-28.7	25.5	0	100	Vert.	46.0	20.5	Noise Floor
800.000	35.1	QP	22.0	-27.4	29.7	0	100	Hori.	46.0	16.3	Noise Floor
800.000	35.1	QP	22.0	-27.4	29.7	0	100	Vert.	46.0	16.3	Noise Floor

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

DATA OF RADIATED EMISSION TEST

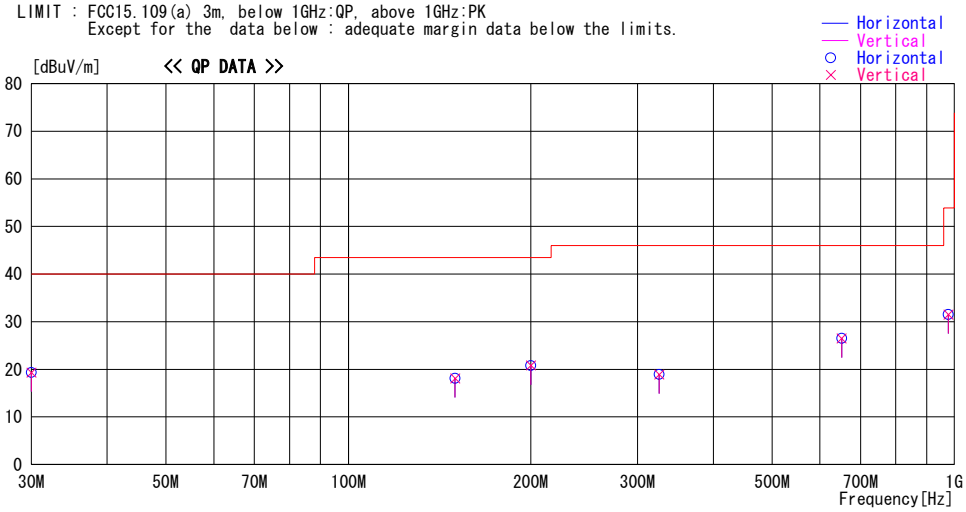
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./Humi. : 20deg.C. / 46%
Engineer : Kazufumi Nakai

Mode / Remarks : RF Receiving 315MHz, ECU:X

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
30.000	36.6	QP	17.1	-34.4	19.3	0	100	Hori.	40.0	20.7	Noise Floor
30.000	36.6	QP	17.1	-34.4	19.3	0	100	Vert.	40.0	20.7	Noise Floor
150.000	35.7	QP	14.7	-32.3	18.1	0	100	Hori.	43.5	25.4	Noise Floor
150.000	35.7	QP	14.7	-32.3	18.1	0	100	Vert.	43.5	25.4	Noise Floor
200.000	35.7	QP	16.7	-31.6	20.8	0	100	Hori.	43.5	22.7	Noise Floor
200.000	35.7	QP	16.7	-31.6	20.8	0	100	Vert.	43.5	22.7	Noise Floor
325.700	35.3	QP	14.0	-30.4	18.9	0	100	Hori.	46.0	27.1	Noise Floor
325.700	35.3	QP	14.0	-30.4	18.9	0	100	Vert.	46.0	27.1	Noise Floor
651.400	35.2	QP	19.7	-28.4	26.5	0	100	Hori.	46.0	19.5	Noise Floor
651.400	35.2	QP	19.7	-28.4	26.5	0	100	Vert.	46.0	19.5	Noise Floor
977.100	34.6	QP	23.2	-26.3	31.5	0	100	Hori.	53.9	22.4	Noise Floor
977.100	34.6	QP	23.2	-26.3	31.5	0	100	Vert.	53.9	22.4	Noise Floor

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

DATA OF RADIATED EMISSION TEST

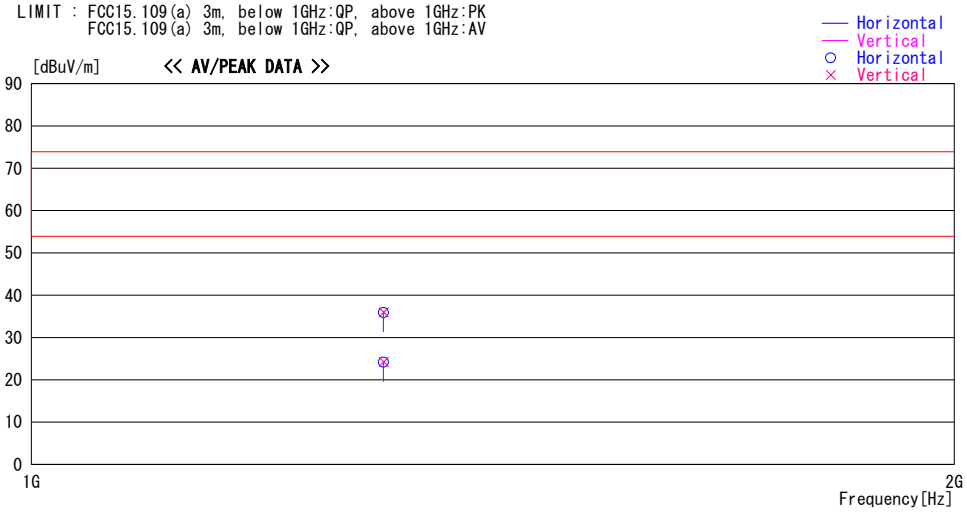
UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2010/01/21

Report No. : 29KE0168-HO-01

Temp./Humi. : 20deg.C. / 46%
Engineer : Kazufumi Nakai

Mode / Remarks : RF Receiving 315MHz, ECU:X

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
1302.800	44.9	PK	25.9	-34.9	35.9	0	100	Hori.	73.9	38.0	Noise Floor
1302.800	45.0	PK	25.9	-34.9	36.0	0	100	Vert.	73.9	37.9	Noise Floor
1302.800	33.2	AV	25.9	-34.9	24.2	0	100	Hori.	53.9	29.7	Noise Floor
1302.800	33.2	AV	25.9	-34.9	24.2	0	100	Vert.	53.9	29.7	Noise Floor

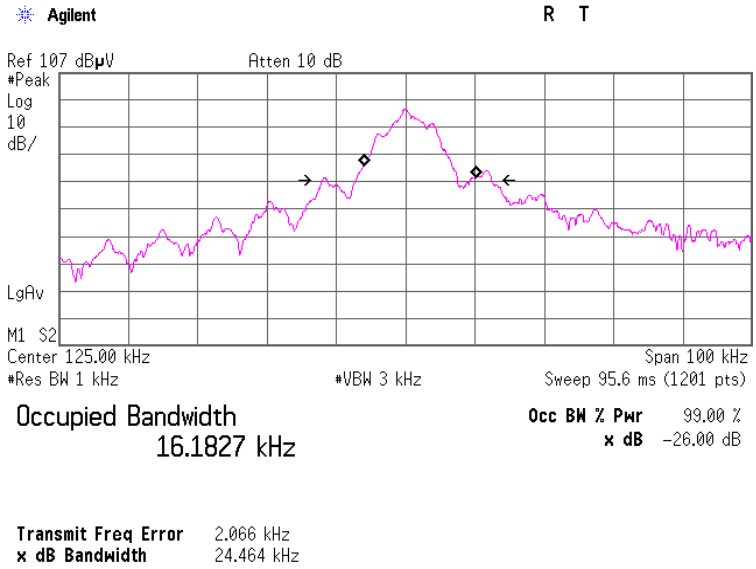
CHART:WITH FACTOR ANT TYPE: -30MHz:LOOP, 30-300MHz:BICONICAL, 300MHz-1000MHz:LOGPERIODIC, 1000MHz-:HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

-26dB Bandwidth and 99% Occupied Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded room

COMPANY	:	OMRON Corporation	REPORT NO	:	29KE0168-HO-01
EQUIPMENT	:	Keyless operation system	REGULATION	:	Reference Data (for FCC)/RSS-Gen 4.6.1
MODEL	:	G8D-841M-ECU-D/Max Antenna	TEST DISTANCE	:	-
S/ N	:	1/1-244	DATE	:	03/29/2010
POWER	:	DC 12V	TEMPERATURE	:	23 deg.C
MODE	:	LF Transmitting mode 125kHz	HUMIDITY	:	38 %
			Engineer	:	Takumi Shimada

FREQ [kHz]	-26dB Bandwidth [kHz]	99% Occupied Bandwidth [kHz]
125.0	24.5	16.183

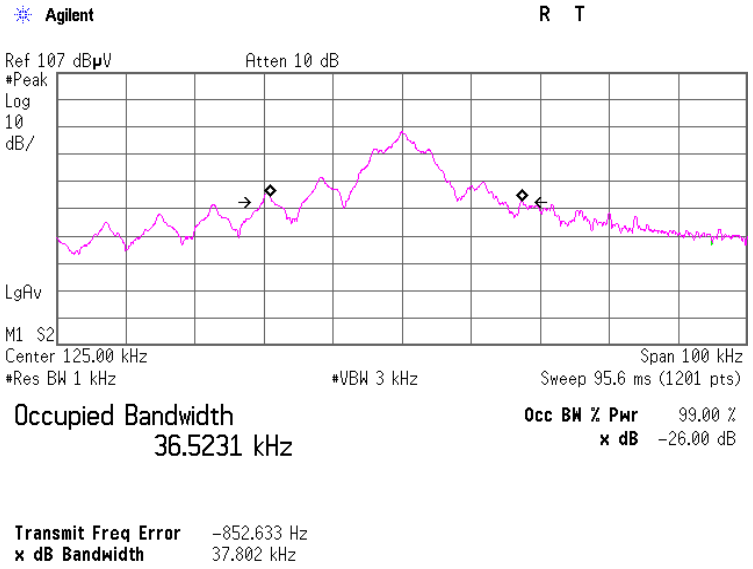


-26dB Bandwidth and 99% Occupied Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY	:	OMRON Corporation	REPORT NO	:	29KE0168-HO-01
EQUIPMENT	:	Keyless operation system	REGULATION	:	Reference Data (for FCC)/RSS-Gen 4.6.1
MODEL	:	G8D-841M-ECU-D/Min Antenna	TEST DISTANCE	:	-
S/ N	:	1/1-248	DATE	:	01/21/2010
POWER	:	DC 12V	TEMPERATURE	:	22 deg.C
MODE	:	LF Transmitting mode 125kHz	HUMIDITY	:	31 %
			Engineer	:	Takumi Shimada

FREQ [kHz]	-26dB Bandwidth [kHz]	99% Occupied Bandwidth [kHz]
125.0	37.8	36.523

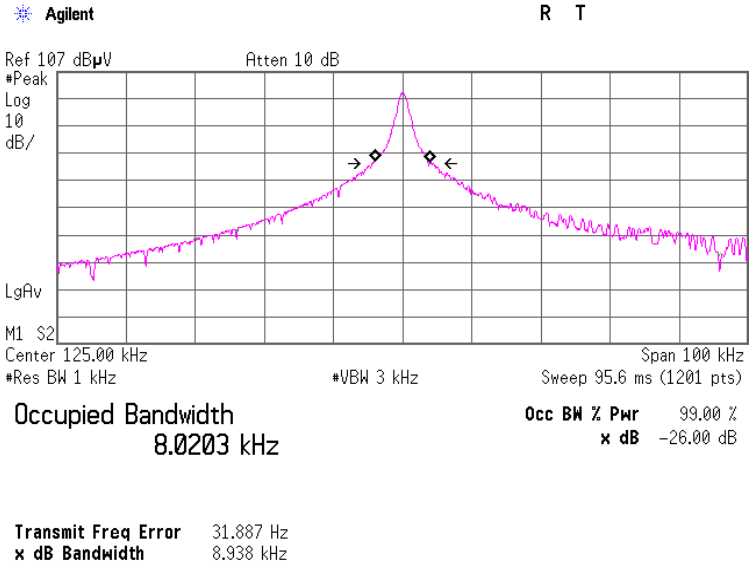


-26dB Bandwidth and 99% Occupied Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY	:	OMRON Corporation	REPORT NO	:	29KE0168-HO-01
EQUIPMENT	:	Keyless operation system	REGULATION	:	Reference Data (for FCC)/RSS-Gen 4.6.1
MODEL	:	G8D-841M-ECU-D/G8Z-F116M	TEST DISTANCE	:	-
S/ N	:	1/75	DATE	:	01/21/2010
POWER	:	DC 12V	TEMPERATURE	:	22 deg.C
MODE	:	Immobilizer Transmitting mode 125kHz	HUMIDITY	:	31 %
			Engineer	:	Takumi Shimada

FREQ [kHz]	-26dB Bandwidth [kHz]	99% Occupied Bandwidth [kHz]
125.0	8.9	8.020



APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-01	Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 10m	DA-06881	RE	2009/06/26 * 12
MOS-01	Digital Humidity Indicator	N.T	NT-1800	MOS01	RE	2009/02/06 * 12
MJM-01	Measure	KDS	ES19-55	-	RE	-
COTS-MEMI	EMI measurement program	TSJ	TEPTO-DV	-	RE	-
MTR-01	Test Receiver	Rohde & Schwarz	ESI40	100084	RE	2009/12/17 * 12
MLPA-01	Loop Antenna	Rohde & Schwarz	HFH2-Z2	100017	RE	2009/10/19 * 12
MCC-30	Coaxial cable	UL Japan	-	-	RE	2009/06/22 * 12
MCC-03	Coaxial Cable	Fujikura/Suhner/TSJ	5D-2W(20m)/3D-2W(7.5m)/RG400u(1.5m)/RFM-E421(Switcher)	-/01068(Switcher)	RE	2010/01/05 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	260833	RE	2009/03/18 * 12
MAT-09	Attenuator(6dB)	Weinschel Corp	2	BK7973	RE	2009/11/12 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	RE	2009/08/25 * 12
MBA-01	Biconical Antenna	Schwarzbeck	BBA9106	VHA91032007	RE	2009/10/03 * 12
MLA-09	Logperiodic Antenna	Schwarzbeck	USLP9143B	9143B006	RE	2009/10/03 * 12
MAT-08	Attenuator(6dB)	Weinschel Corp	2	BK7971	RE	2009/11/13 * 12
MCC-01	Coaxial Cable 0.1-3000MHz	Suhner/storm/Agilent /TSJ	-	-	RE	2009/10/09 * 12
MPA-20	Pre Amplifier	Elena	EPA-4020YA	030801	RE	2009/03/17 * 12
MHA-05	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	253	RE	2009/06/15 * 12
MCC-18	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	233010(1m) / 292410(5m)	RE	2009/09/16 * 12
MPA-01	Pre Amplifier	Agilent	8449B	3008A01671	RE	2009/02/12 * 12

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.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.
Test Item:
RE: Radiated Emission