APPENDIX 2: Data of EMI test

200kHz Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Semi Anechoic Chamber

COMPANY	: Sony Corporation	REGULATION	: Fcc Part15 Subpart C Section 15.239(a)
EQUIPMENT	: Car FM Stereo Transmitter	PROCEDURE	: Fcc Part2 Section 2.1049
MODEL	: DCC-FMT50UD	TEST DISTANCE	: 3 m
S/ N	: U1	DATE	: 05/10/2007 , 05/11/2007
POWER	: DC12V	TEMPERATURE	: 24 deg.C , 21 deg.C
MODE	: Transmiting (88.1/98.0/107.9MHz)	HUMIDITY	: 42 % , 37%
	: Audio Signal of a typical audio file	ENGINEER	: Takumi Shimada , Motoya Imura

ipod(A1199)

No.	FREQ	RESULT		LIMIT	MARGIN	
		HOR	VER		HOR	VER
	[MHz]	[kHz]		[kHz]	[kHz]	[kHz]
1	88.1	84.0	83.8	200.0	116.0	116.2
2	98.0	88.0	89.6	200.0	112.0	110.4
3	107.9	91.8	86.0	200.0	108.2	114.0

ipod(A1136)

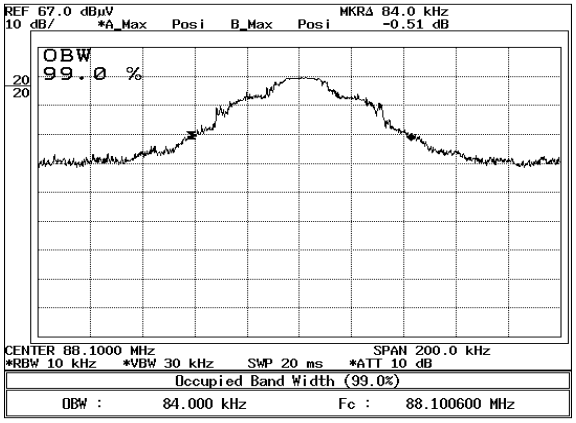
No.	FREQ	RESULT		LIMIT	MARGIN	
		HOR	VER		HOR	VER
	[MHz]	[kHz]		[kHz]	[kHz]	[kHz]
1	88.1	80.8	81.0	200.0	119.2	119.0
2	98.0	87.4	95.4	200.0	112.6	104.6
3	107.9	86.2	90.8	200.0	113.8	109.2

Network Walkman(NW-A805)

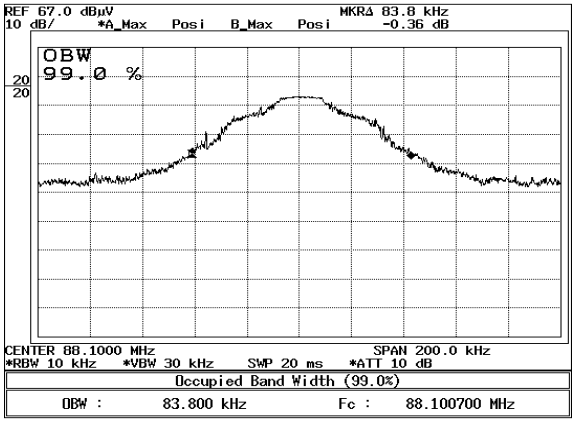
No.	FREQ	RESULT		LIMIT	MARGIN	
		HOR	VER		HOR	VER
	[MHz]	[kHz]		[kHz]	[kHz]	[kHz]
1	88.1	78.4	81.6	200.0	121.6	118.4
2	98.0	91.2	94.6	200.0	108.8	105.4
3	107.9	85.6	94.6	200.0	114.4	105.4

200kHz Bandwidth
ipod (A1199)

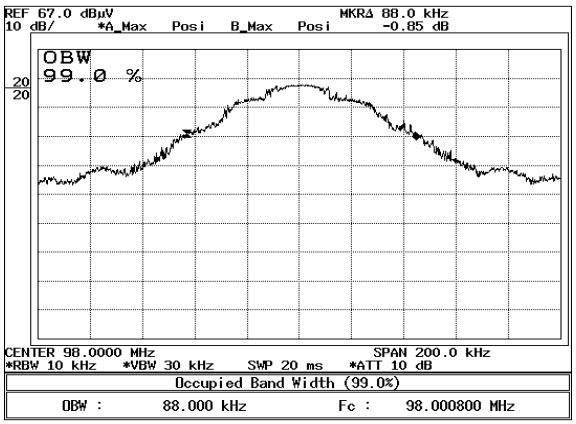
Ch:Low/HOR



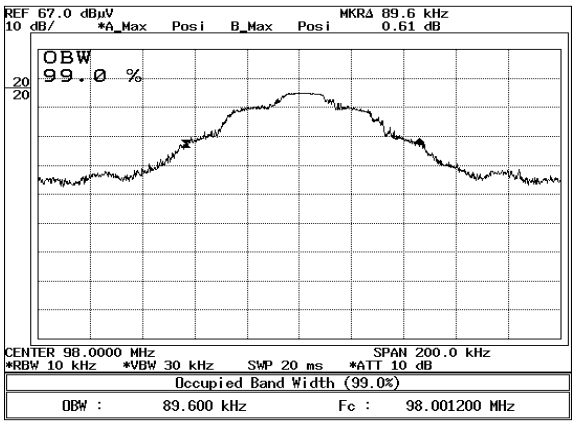
Ch:Low/VER



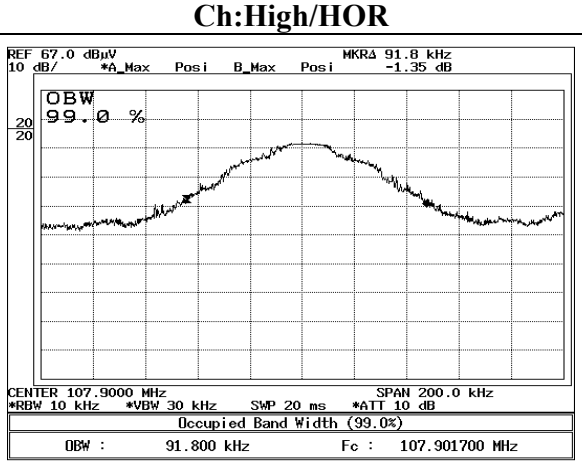
Ch:Mid/HOR



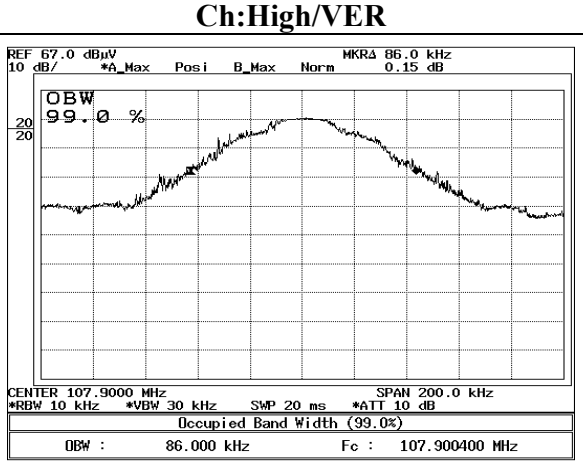
Ch:Mid/VER



Ch:High/HOR



Ch:High/VER



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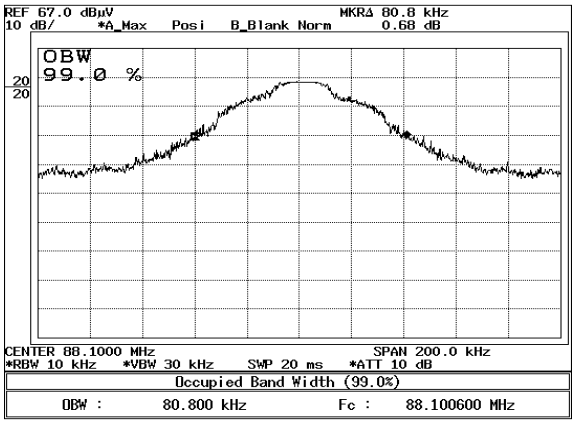
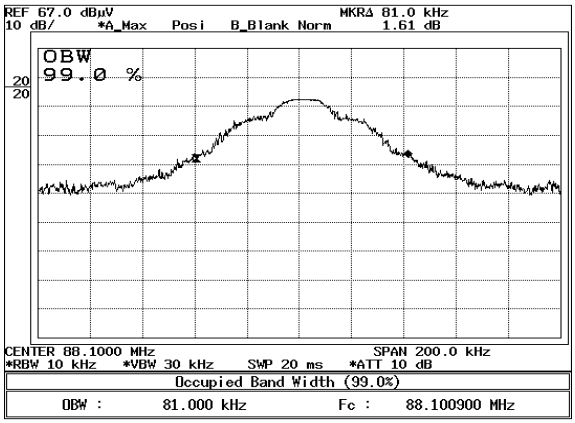
ipod (A1136)

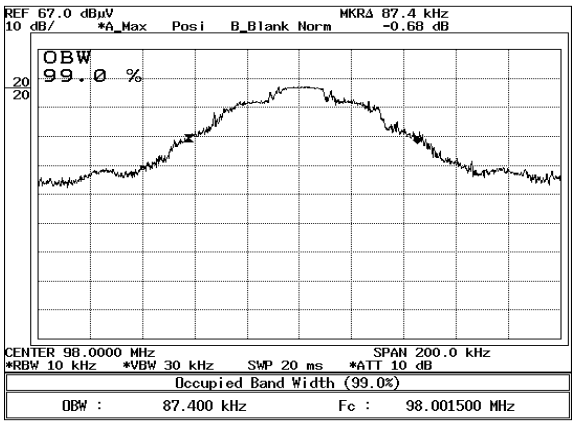
Ch:Low/HOR



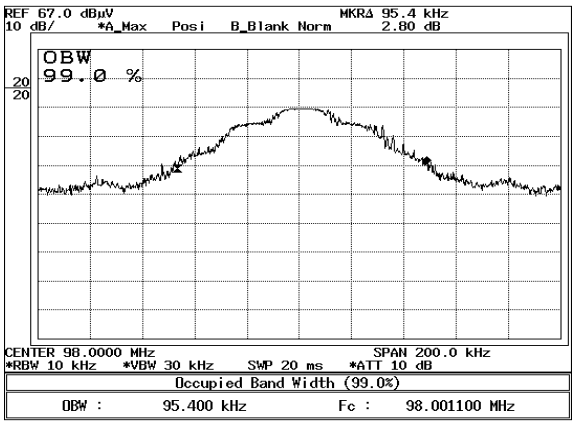
Ch:Low/VER



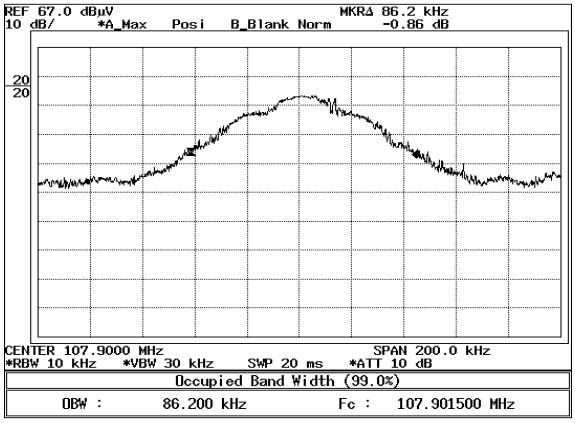
Ch:Mid/HOR



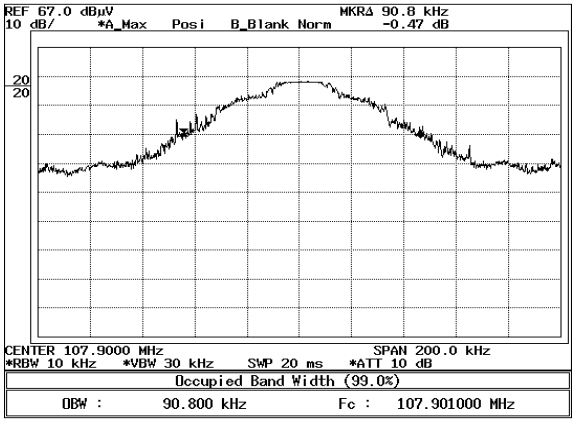
Ch:Mid/VER



Ch:High/HOR



Ch:High/VER



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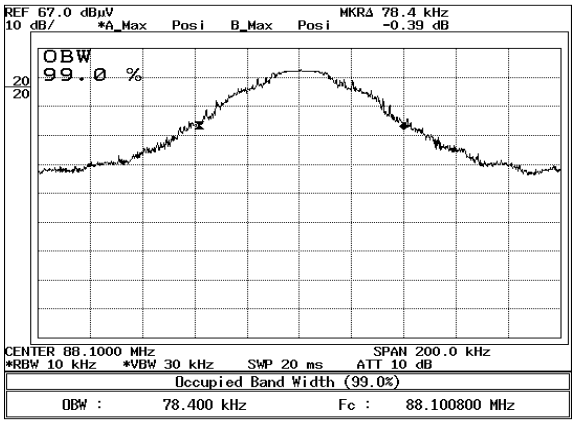
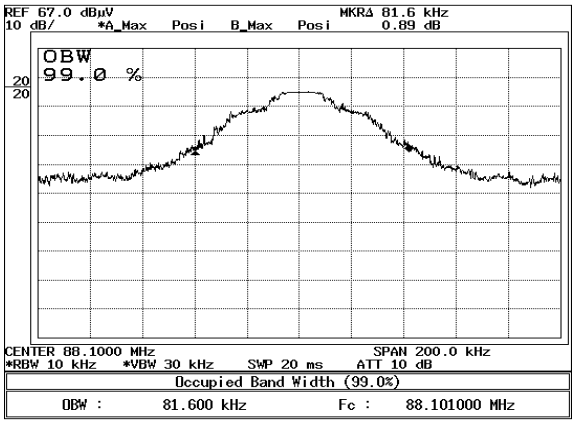
Network Walkman (NW-A805)

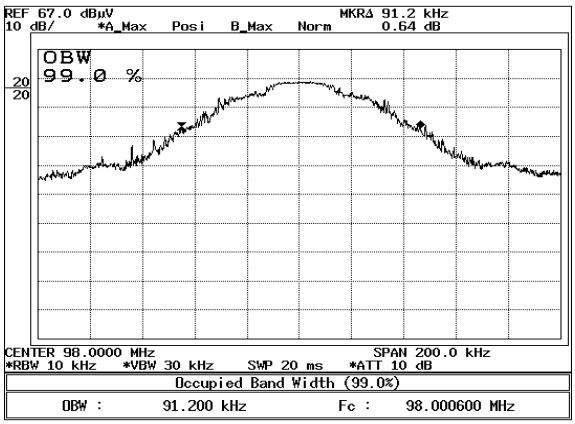
Ch:Low/HOR



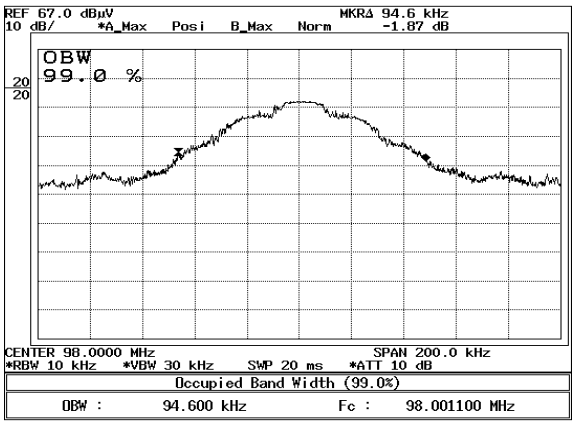
Ch:Low/VER



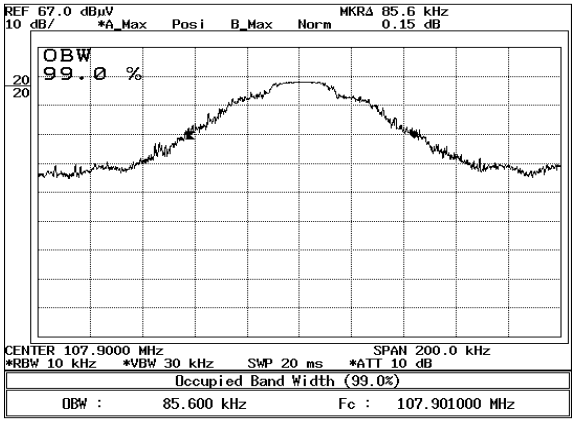
Ch:Mid/HOR



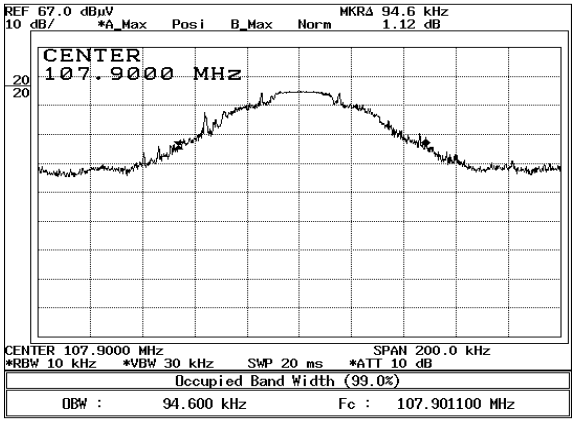
Ch:Mid/VER



Ch:High/HOR



Ch:High/VER



20dB Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.3 and No.4 Semi Anechoic Chamber

COMPANY : Sony Corporation
EQUIPMENT : Car FM Stereo Transmitter
MODEL : DCC-FMT50UD
S/ N : U1
POWER : DC12V
MODE : Transmitting (88.1/98.0/107.9MHz)
: Audio Signal of a typical audio file

REGULATION : FCC Part15. Section 15.215(c)
TEST DISTANCE : 3 m
DATE : 05/10/2007 , 05/11/2007
TEMPERATURE : 24 deg.C , 21 deg.C
HUMIDITY : 42 % , 37%
ENGINEER : Takumi Shimada , Motoya Imura

ipod(A1199)

No.	FREQ	RESULT		LIMIT	MARGIN	
		HOR	VER		HOR	VER
	[MHz]	[kHz]		[kHz]	[kHz]	[kHz]
1	88.1	84.2	85.4	-	-	-
2	98.0	95.2	96.2	-	-	-
3	107.9	93.8	88.4	-	-	-

ipod(A1136)

No.	FREQ	RESULT		LIMIT	MARGIN	
		HOR	VER		HOR	VER
	[MHz]	[kHz]		[kHz]	[kHz]	[kHz]
1	88.1	85.2	85.2	-	-	-
2	98.0	97.6	97.0	-	-	-
3	107.9	90.8	92.6	-	-	-

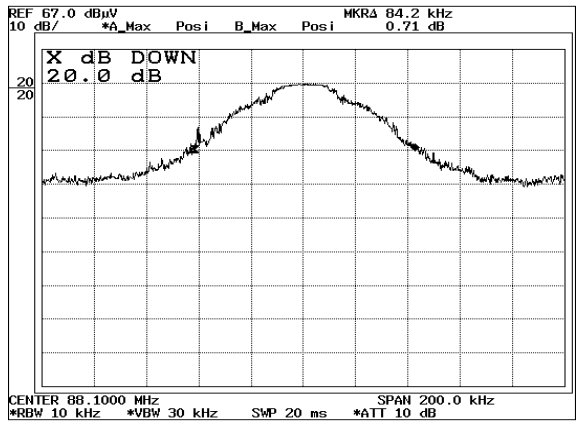
Network Walkman(NW-A805)

No.	FREQ	RESULT		LIMIT	MARGIN	
		HOR	VER		HOR	VER
	[MHz]	[kHz]		[kHz]	[kHz]	[kHz]
1	88.1	87.0	85.2	-	-	-
2	98.0	101.4	97.2	-	-	-
3	107.9	89.8	93.0	-	-	-

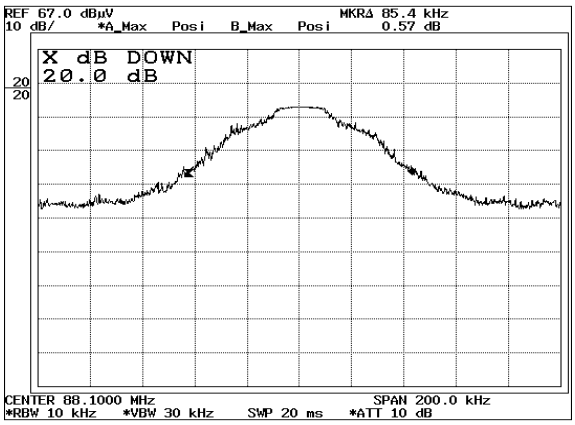
20dB Bandwidth

ipod (A1199)

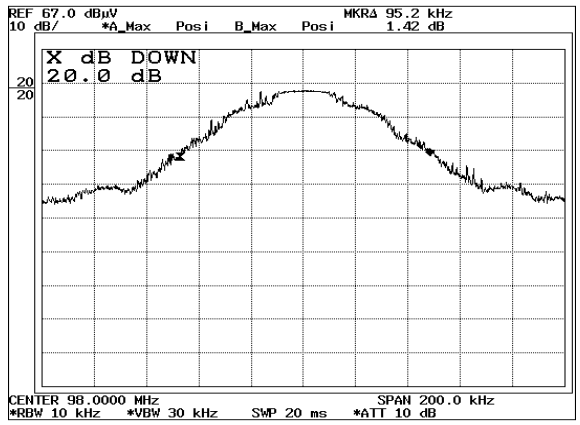
Ch:Low/HOR



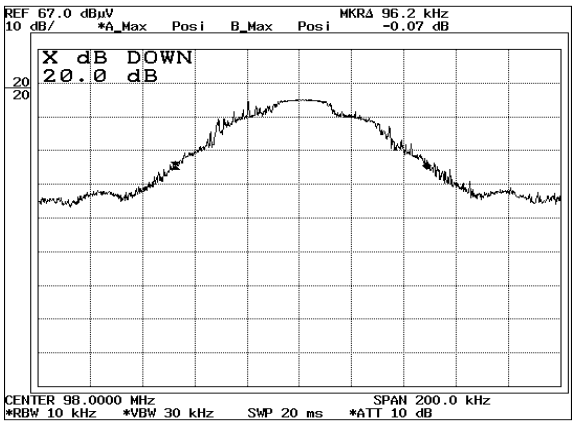
Ch:Low/VER



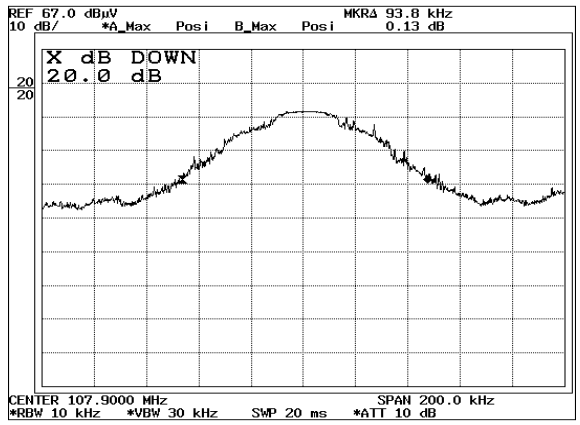
Ch:Mid/HOR



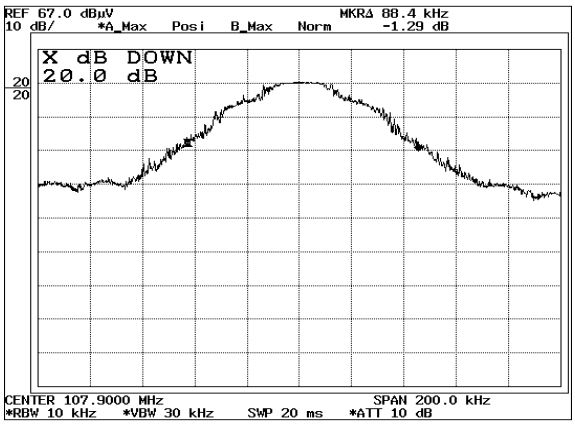
Ch:Mid/VER



Ch:High/HOR

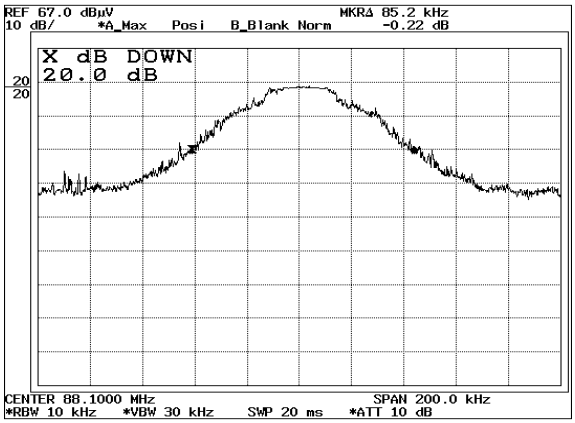


Ch:High/VER

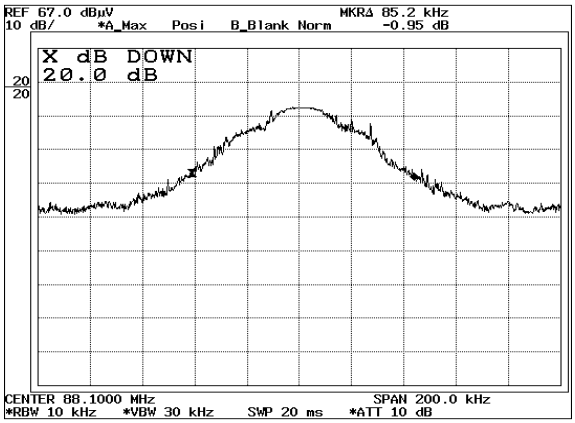


ipod (A1136)

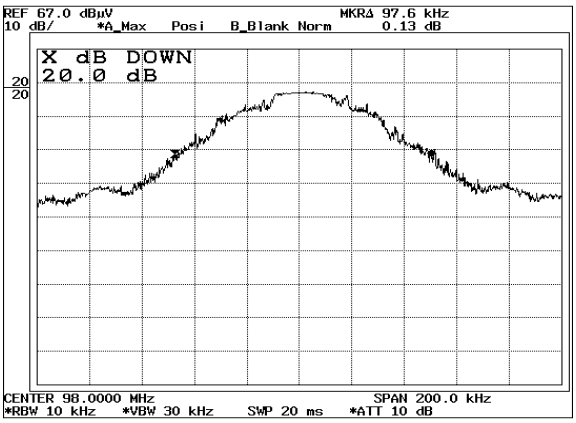
Ch:Low/HOR



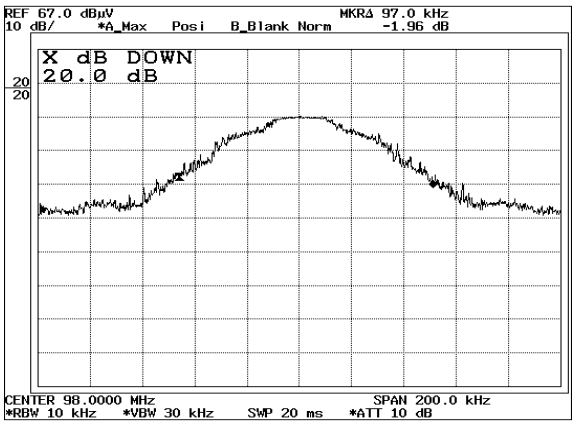
Ch:Low/VER



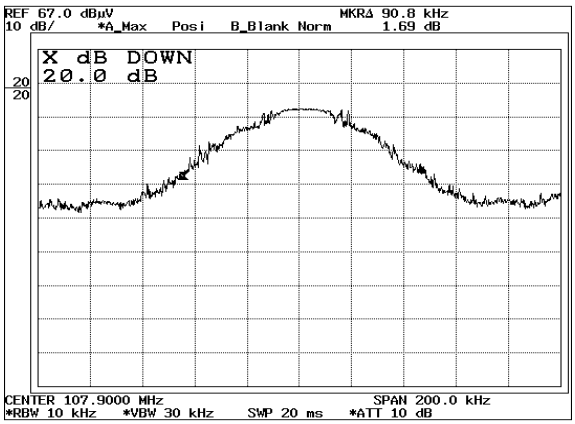
Ch:Mid/HOR



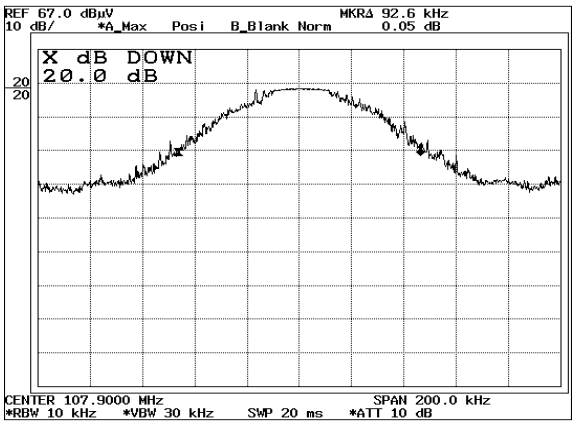
Ch:Mid/VER



Ch:High/HOR



Ch:High/VER



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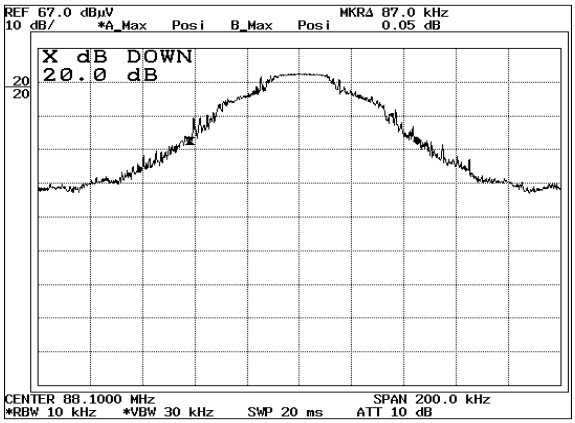
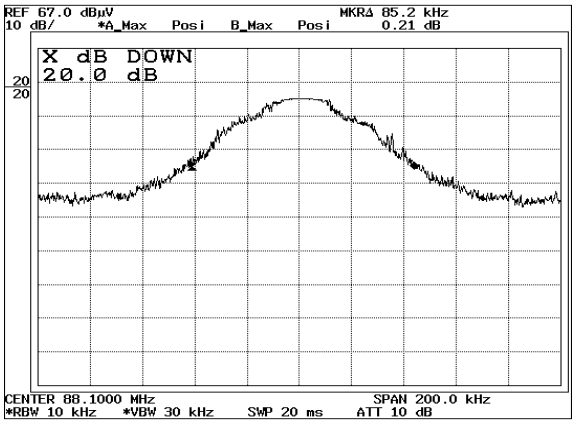
Network Walkman (NW-A805)

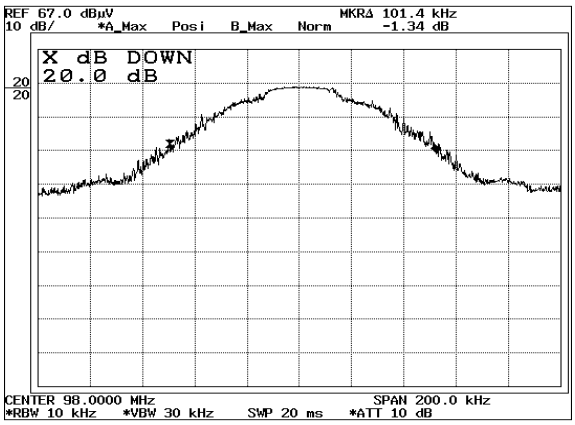
Ch:Low/HOR



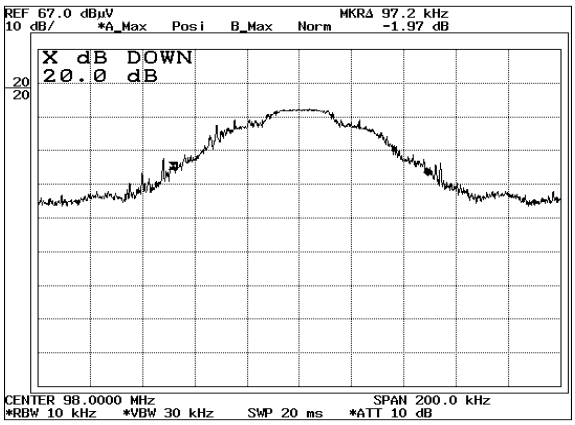
Ch:Low/VER



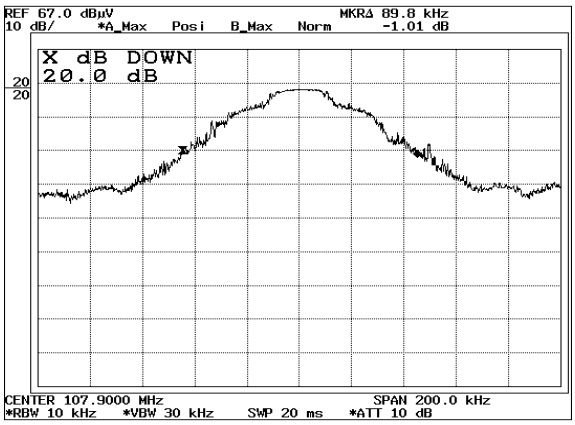
Ch:Mid/HOR



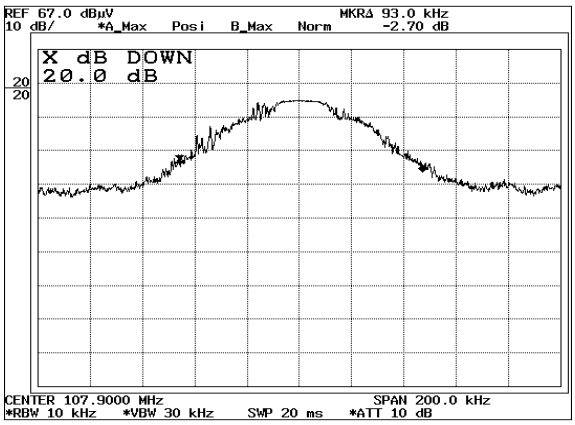
Ch:Mid/VER



Ch:High/HOR



Ch:High/VER



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Emissions from the Intentional radiators

ipod (A1199) Transmitting mode

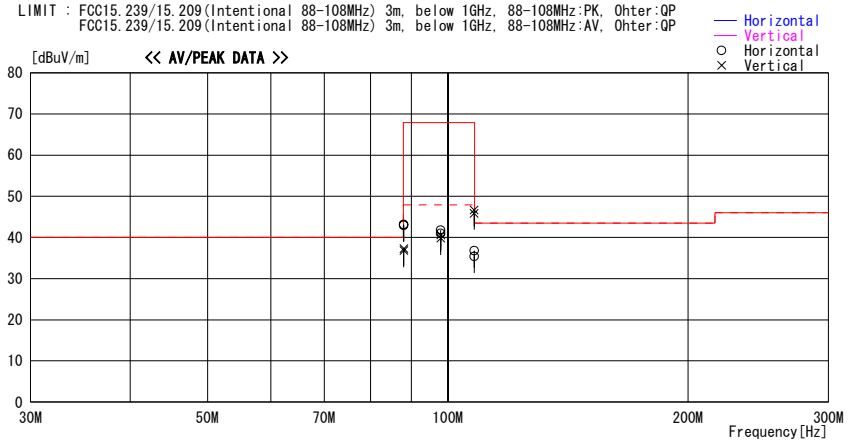
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with ipod(M/N:A1199) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:PK, Ohter:QP
FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:AV, Ohter:QP



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]	
88.100	59.0	PK	8.3	-24.1	43.2	0	230	Hori.	67.9	24.7	X-axis *1)
88.100	58.7	AV	8.3	-24.1	42.9	0	230	Hori.	47.9	5.0	X-axis *1)
88.100	53.1	PK	8.3	-24.1	37.3	90	150	Vert.	67.9	30.6	Z-axis *1)
88.100	52.6	AV	8.3	-24.1	36.8	90	150	Vert.	47.9	11.1	Z-axis *1)
98.000	55.7	PK	10.1	-24.0	41.8	0	320	Hori.	67.9	26.1	X-axis *2)
98.000	54.9	AV	10.1	-24.0	41.0	0	320	Hori.	47.9	6.9	X-axis *2)
98.000	54.5	PK	10.1	-24.0	40.6	280	120	Vert.	67.9	27.3	Z-axis *2)
98.000	53.7	AV	10.1	-24.0	39.8	280	120	Vert.	47.9	8.1	Z-axis *2)
107.900	49.1	PK	11.6	-23.9	36.8	336	310	Hori.	67.9	31.1	X-axis *3)
107.900	47.7	AV	11.6	-23.9	35.4	336	310	Hori.	47.9	12.5	X-axis *3)
107.900	59.0	PK	11.6	-23.9	46.7	45	100	Vert.	67.9	21.2	Z-axis *3)
107.900	58.2	AV	11.6	-23.9	45.9	45	100	Vert.	47.9	2.0	Z-axis *3)

*1) 88.100MHz Transmit
*2) 98.000MHz Transmit
*3) 107.900MHz Transmit

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)

Emissions from the Intentional radiators

ipod (A1199) Transmitting + Charging mode

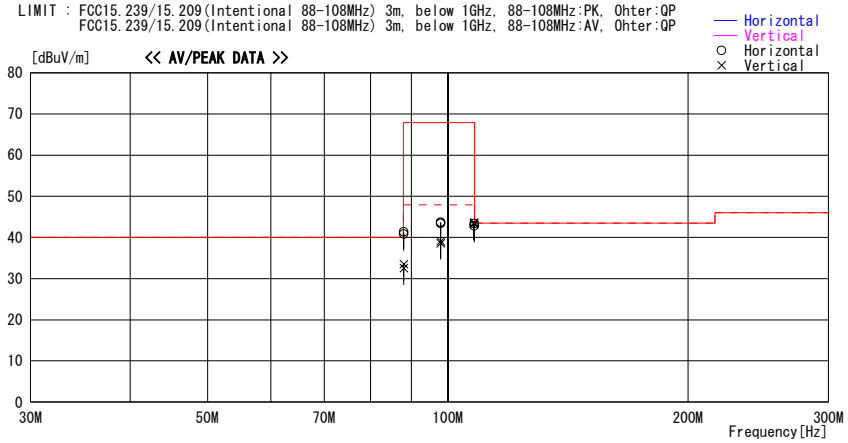
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1199) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:PK, Ohter:QP
FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:AV, Ohter:QP



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
88.100	57.2	PK	8.3	-24.1	41.4	359	212	Hori.	67.9	26.5	X-axis *1)
88.100	56.6	AV	8.3	-24.1	40.8	359	212	Hori.	47.9	7.1	X-axis *1)
88.100	49.3	PK	8.3	-24.1	33.5	256	100	Vert.	67.9	34.4	Z-axis *1)
88.100	48.3	AV	8.3	-24.1	32.5	256	100	Vert.	47.9	15.4	Z-axis *1)
98.000	57.6	PK	10.1	-24.0	43.7	0	313	Hori.	67.9	24.2	X-axis *2)
98.000	57.3	AV	10.1	-24.0	43.4	0	313	Hori.	47.9	4.5	X-axis *2)
98.000	53.0	PK	10.1	-24.0	39.1	274	100	Vert.	67.9	28.8	Z-axis *2)
98.000	52.5	AV	10.1	-24.0	38.6	274	100	Vert.	47.9	9.3	Z-axis *2)
107.900	55.7	PK	11.6	-23.9	43.4	0	280	Hori.	67.9	24.5	X-axis *3)
107.900	55.1	AV	11.6	-23.9	42.8	0	280	Hori.	47.9	5.1	X-axis *3)
107.900	55.9	PK	11.6	-23.9	43.6	250	100	Vert.	67.9	24.3	Z-axis *3)
107.900	55.6	AV	11.6	-23.9	43.3	250	100	Vert.	47.9	4.6	Z-axis *3)

*1) 88.100MHz Transmit
*2) 98.000MHz Transmit
*3) 107.900MHz Transmit

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)

Emissions from the Intentional radiators

ipod (A1136) Transmitting mode

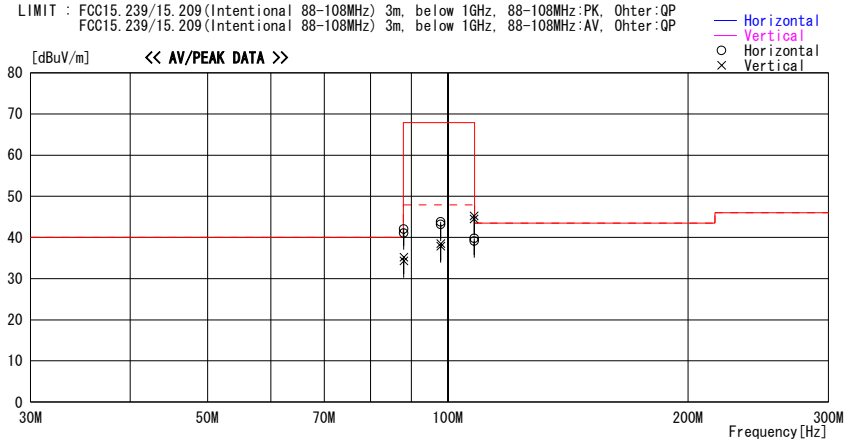
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Motoya Imura

Mode / Remarks : Transmitting mode with ipod(M/N:A1136) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:PK, Ohter:QP
FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:AV, Ohter:QP



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]	
88.100	57.8	PK	8.3	-24.1	42.0	0	214	Hori.	67.9	25.9	Y-axis *1)
88.100	56.9	AV	8.3	-24.1	41.1	0	214	Hori.	47.9	6.8	Y-axis *1)
88.100	51.0	PK	8.3	-24.1	35.2	86	294	Vert.	67.9	32.7	Y-axis *1)
88.100	50.1	AV	8.3	-24.1	34.3	86	294	Vert.	47.9	13.6	Y-axis *1)
98.000	57.7	PK	10.1	-24.0	43.8	0	300	Hori.	67.9	24.1	Y-axis *2)
98.000	57.1	AV	10.1	-24.0	43.2	0	300	Hori.	47.9	4.7	Y-axis *2)
98.000	52.4	PK	10.1	-24.0	38.5	270	100	Vert.	67.9	29.4	Y-axis *2)
98.000	51.8	AV	10.1	-24.0	37.9	270	100	Vert.	47.9	10.0	Y-axis *2)
107.900	52.1	PK	11.6	-23.9	39.8	336	310	Hori.	67.9	28.1	Y-axis *3)
107.900	51.4	AV	11.6	-23.9	39.1	336	310	Hori.	47.9	8.8	Y-axis *3)
107.900	57.5	PK	11.6	-23.9	45.2	265	100	Vert.	67.9	22.7	Y-axis *3)
107.900	56.8	AV	11.6	-23.9	44.5	265	100	Vert.	47.9	3.4	Y-axis *3)

*1) 88.100MHz Transmit
*2) 98.000MHz Transmit
*3) 107.900MHz Transmit

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)

Emissions from the Intentional radiators

ipod (A1136) Transmitting + Charging mode

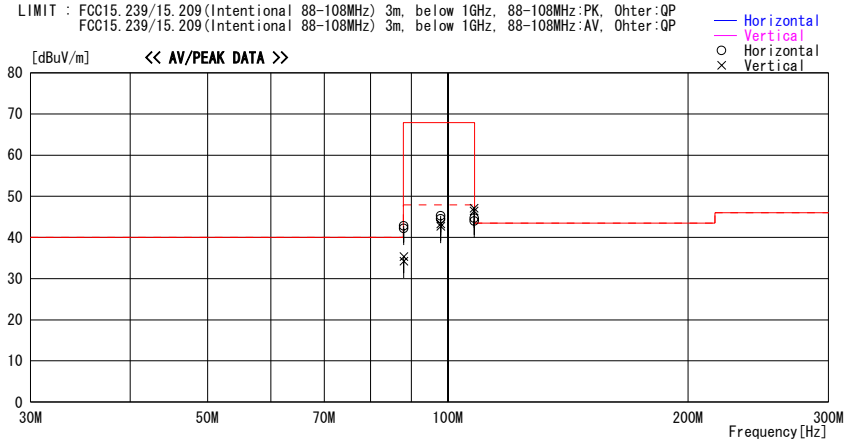
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Motoya Imura

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1136) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:PK, Ohter:QP
FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:AV, Ohter:QP



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]	
88.100	58.6	PK	8.3	-24.1	42.8	0	220	Hori.	67.9	25.1	Y-axis *1)
88.100	58.0	AV	8.3	-24.1	42.2	0	220	Hori.	47.9	5.7	Y-axis *1)
88.100	51.2	PK	8.3	-24.1	35.4	60	220	Vert.	67.9	32.5	Y-axis *1)
88.100	50.0	AV	8.3	-24.1	34.2	60	220	Vert.	47.9	13.7	Y-axis *1)
98.000	59.2	PK	10.1	-24.0	45.3	177	250	Hori.	67.9	22.6	Y-axis *2)
98.000	58.4	AV	10.1	-24.0	44.5	177	250	Hori.	47.9	3.4	Y-axis *2)
98.000	57.2	PK	10.1	-24.0	43.3	268	100	Vert.	67.9	24.6	Y-axis *2)
98.000	56.6	AV	10.1	-24.0	42.7	268	100	Vert.	47.9	5.2	Y-axis *2)
107.900	57.0	PK	11.6	-23.9	44.7	0	310	Hori.	67.9	23.2	Y-axis *3)
107.900	56.3	AV	11.6	-23.9	44.0	0	310	Hori.	47.9	3.9	Y-axis *3)
107.900	59.4	PK	11.6	-23.9	47.1	298	100	Vert.	67.9	20.8	Y-axis *3)
107.900	58.7	AV	11.6	-23.9	46.4	298	100	Vert.	47.9	1.5	Y-axis *3)

*1) 88.100MHz Transmit
*2) 98.000MHz Transmit
*3) 107.900MHz Transmit

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)

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Emissions from the Intentional radiators

Network Walkman(NW-A805) Transmitting mode

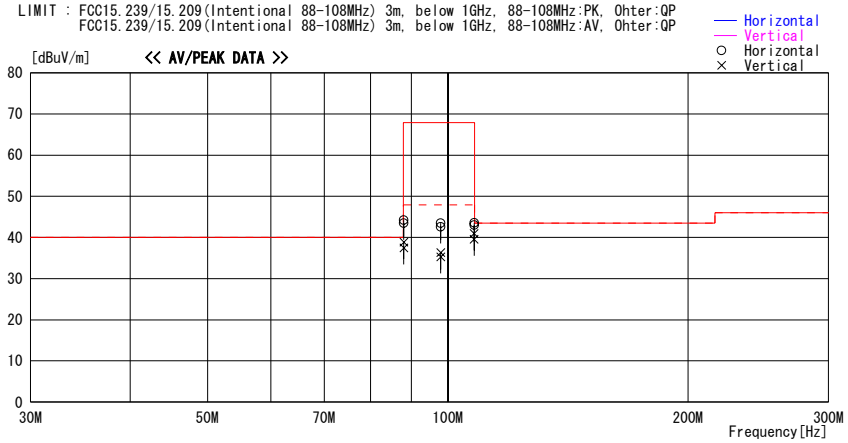
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with Network Walkman(M/N:NW-A805) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:PK, Ohter:QP
FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:AV, Ohter:QP



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]	
88.100	60.0	PK	8.3	-24.1	44.2	0	210	Hori.	67.9	23.7	Y-axis *1)
88.100	59.3	AV	8.3	-24.1	43.5	0	210	Hori.	47.9	4.4	Y-axis *1)
88.100	54.6	PK	8.3	-24.1	38.8	260	120	Vert.	67.9	29.1	Z-axis *1)
88.100	53.3	AV	8.3	-24.1	37.5	260	120	Vert.	47.9	10.4	Z-axis *1)
98.000	57.5	PK	10.1	-24.1	43.5	0	300	Hori.	67.9	24.4	Y-axis *2)
98.000	56.6	AV	10.1	-24.1	42.6	0	300	Hori.	47.9	5.3	Y-axis *2)
98.000	50.3	PK	10.1	-24.1	36.3	260	140	Vert.	67.9	31.6	Z-axis *2)
98.000	49.3	AV	10.1	-24.1	35.3	260	140	Vert.	47.9	12.6	Z-axis *2)
107.900	56.0	PK	11.5	-23.9	43.6	0	287	Hori.	67.9	24.3	Y-axis *3)
107.900	55.4	AV	11.5	-23.9	43.0	0	287	Hori.	47.9	4.9	Y-axis *3)
107.900	53.3	PK	11.5	-23.9	40.9	260	120	Vert.	67.9	27.0	Z-axis *3)
107.900	52.0	AV	11.5	-23.9	39.6	260	120	Vert.	47.9	8.3	Z-axis *3)

*1) 88.100MHz Transmit
*2) 98.000MHz Transmit
*3) 107.900MHz Transmit

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)

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Emissions from the Intentional radiators

Network Walkman(NW-A805) Transmitting + Charging mode

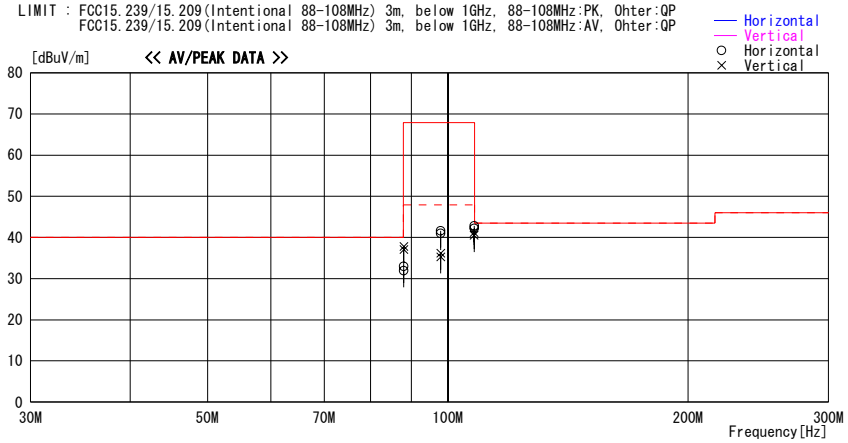
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with Network Walkman(M/N:NW-A805) 88.1MHz/98.0MHz/107.9MHz Max-Axis

LIMIT : FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:PK, Ohter:QP
FCC15.239/15.209(Intentional 88-108MHz) 3m, below 1GHz, 88-108MHz:AV, Ohter:QP



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]	
88.100	48.8	PK	8.3	-24.1	33.0	0	218	Hori.	67.9	34.9	Y-axis *1)
88.100	47.7	AV	8.3	-24.1	31.9	0	218	Hori.	47.9	16.0	Y-axis *1)
88.100	53.6	PK	8.3	-24.1	37.8	268	159	Vert.	67.9	30.1	Z-axis *1)
88.100	52.9	AV	8.3	-24.1	37.1	268	159	Vert.	47.9	10.8	Z-axis *1)
98.000	55.6	PK	10.1	-24.1	41.6	0	311	Hori.	67.9	26.3	Y-axis *2)
98.000	55.0	AV	10.1	-24.1	41.0	0	311	Hori.	47.9	6.9	Y-axis *2)
98.000	50.2	PK	10.1	-24.1	36.2	0	262	Vert.	67.9	31.7	Z-axis *2)
98.000	49.3	AV	10.1	-24.1	35.3	0	262	Vert.	47.9	12.6	Z-axis *2)
107.900	55.2	PK	11.5	-23.9	42.8	9	165	Hori.	67.9	25.1	Y-axis *3)
107.900	54.6	AV	11.5	-23.9	42.2	9	165	Hori.	47.9	5.7	Y-axis *3)
107.900	53.6	PK	11.5	-23.9	41.2	312	100	Vert.	67.9	26.7	Z-axis *3)
107.900	52.9	AV	11.5	-23.9	40.5	312	100	Vert.	47.9	7.4	Z-axis *3)

*1) 88.100MHz Transmit
*2) 98.000MHz Transmit
*3) 107.900MHz Transmit

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)

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Spurious Emissions

ipod (A1199) Transmitting mode

DATA OF RADIATED EMISSION TEST

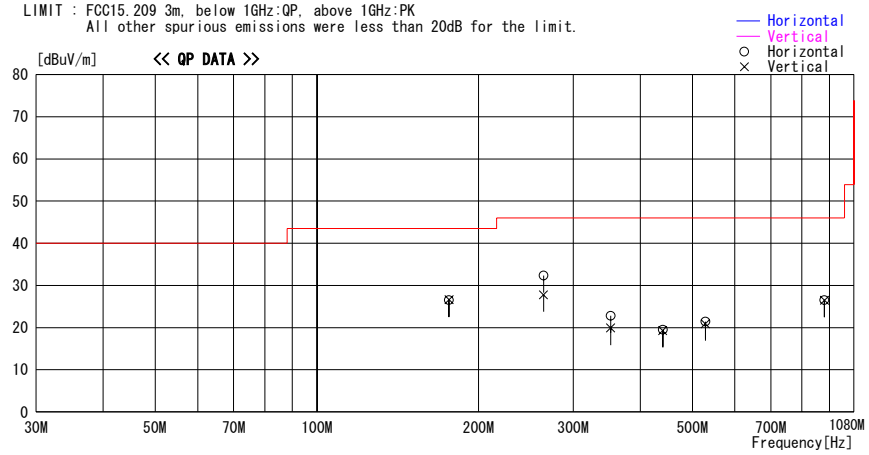
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 24deg.C. / 42%
Operator : Takumi Shimada

Mode / Remarks : Transmitting mode with ipod(M/N:A1199) 88.1MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
176.200	33.2	QP	16.3	-23.0	26.5	0	192	Hori.	43.5	17.0	
176.200	33.3	QP	16.3	-23.0	26.6	77	100	Vert.	43.5	16.9	
264.300	36.6	QP	18.0	-22.3	32.3	221	123	Hori.	46.0	13.7	
264.300	32.1	QP	18.0	-22.3	27.8	38	100	Vert.	46.0	18.2	
352.400	27.6	QP	16.9	-21.7	22.8	0	100	Hori.	46.0	23.2	
352.400	24.7	QP	16.9	-21.7	19.9	0	100	Vert.	46.0	26.1	
440.500	22.2	QP	18.4	-21.1	19.5	0	100	Hori.	46.0	26.5	
440.500	22.0	QP	18.4	-21.1	19.3	0	100	Vert.	46.0	26.7	
528.600	22.5	QP	19.6	-20.7	21.4	0	100	Hori.	46.0	24.6	
528.600	22.0	QP	19.6	-20.7	20.9	0	100	Vert.	46.0	25.1	
881.000	21.5	QP	23.3	-18.3	26.5	0	100	Hori.	46.0	19.5	
881.000	21.5	QP	23.3	-18.3	26.5	0	100	Vert.	46.0	19.5	

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)

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Spurious Emissions

ipod (A1199) Transmitting mode

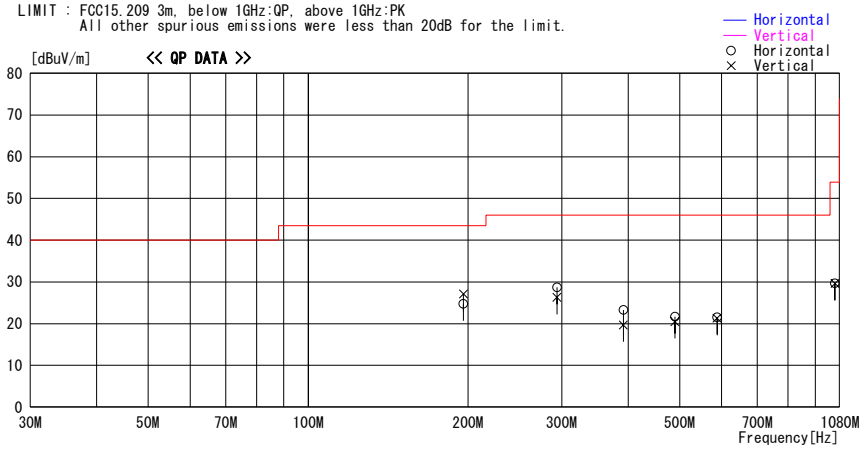
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with ipod(M/N:A1199) 98.0MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
196.000	31.0	QP	16.6	-22.9	24.7	210	170	Hori.	43.5	18.8	
196.000	33.4	QP	16.6	-22.9	27.1	330	100	Vert.	43.5	16.4	
294.000	31.2	QP	19.6	-22.1	28.7	221	120	Hori.	46.0	17.3	
294.000	28.8	QP	19.6	-22.1	26.3	0	100	Vert.	46.0	19.7	
392.000	27.4	QP	17.4	-21.5	23.3	250	100	Hori.	46.0	22.7	
392.000	23.8	QP	17.4	-21.5	19.7	0	100	Vert.	46.0	26.3	
490.000	23.2	QP	19.3	-20.8	21.7	192	210	Hori.	46.0	24.3	
490.000	22.0	QP	19.3	-20.8	20.5	0	100	Vert.	46.0	25.5	
588.000	22.0	QP	19.9	-20.4	21.5	0	100	Hori.	46.0	24.5	
588.000	21.8	QP	19.9	-20.4	21.3	0	100	Vert.	46.0	24.7	
980.000	20.8	QP	26.4	-17.5	29.7	0	100	Hori.	53.9	24.2	
980.000	20.7	QP	26.4	-17.5	29.6	0	100	Vert.	53.9	24.3	

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)

Spurious Emissions

ipod (A1199) Transmitting mode

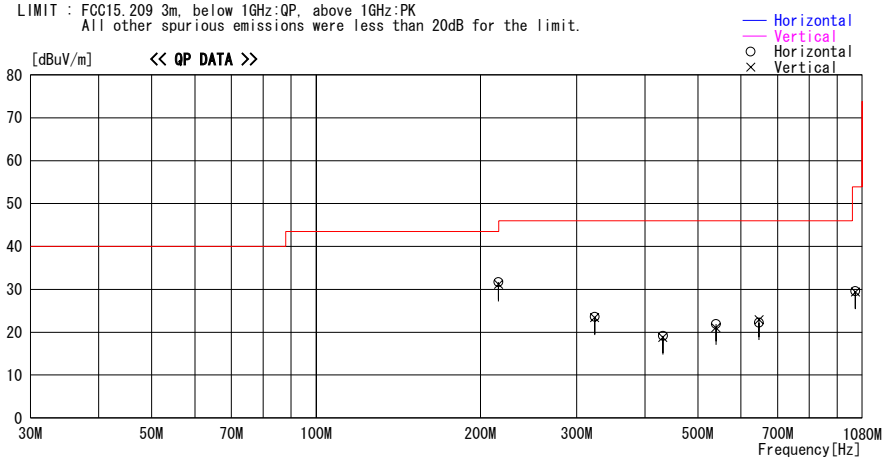
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with ipod(M/N:A1199) 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
215.800	37.5	QP	16.9	-22.7	31.7	46	142	Hori.	43.5	11.8	
215.800	37.0	QP	16.9	-22.7	31.2	0	100	Vert.	43.5	12.3	
323.700	29.1	QP	16.4	-21.9	23.6	123	100	Hori.	46.0	22.4	
323.700	28.9	QP	16.4	-21.9	23.4	0	100	Vert.	46.0	22.6	
431.600	22.2	QP	18.2	-21.2	19.2	0	100	Hori.	46.0	26.8	
431.600	21.8	QP	18.2	-21.2	18.8	0	100	Vert.	46.0	27.2	
539.500	22.8	QP	19.7	-20.6	21.9	48	100	Hori.	46.0	24.1	
539.500	22.0	QP	19.7	-20.6	21.1	0	100	Vert.	46.0	24.9	
647.400	22.0	QP	20.5	-20.3	22.2	0	100	Hori.	46.0	23.8	
647.400	22.7	QP	20.5	-20.3	22.9	245	100	Vert.	46.0	23.1	
971.100	21.0	QP	26.1	-17.5	29.6	0	100	Hori.	53.9	24.3	
971.100	20.8	QP	26.1	-17.5	29.4	0	100	Vert.	53.9	24.5	

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)

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Spurious Emissions

ipod (A1199) Transmitting + Charging mode

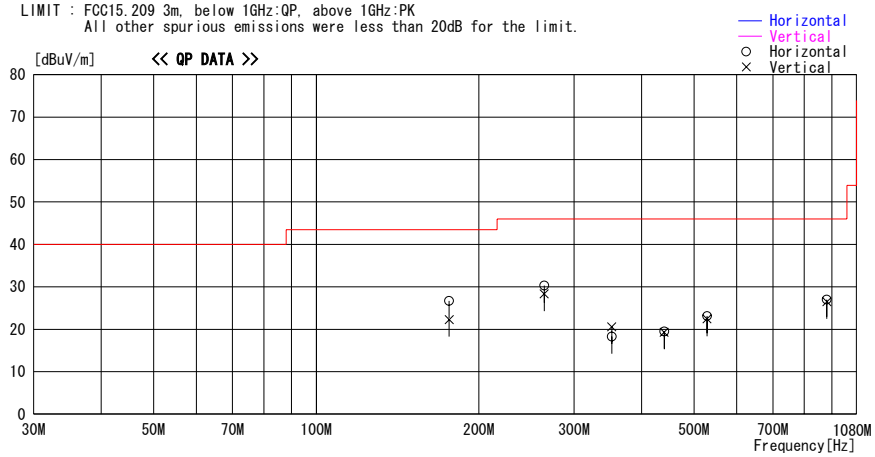
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1199) 88.1MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
176.200	29.0	QP	16.3	-23.0	22.3	57	100	Vert.	43.5	21.2	
176.200	33.4	QP	16.3	-23.0	26.7	0	190	Hori.	43.5	16.8	
264.300	34.6	QP	18.0	-22.3	30.3	210	142	Hori.	46.0	15.7	
264.300	32.6	QP	18.0	-22.3	28.3	0	100	Vert.	46.0	17.7	
352.400	23.1	QP	16.9	-21.7	18.3	0	100	Hori.	46.0	27.7	
352.400	25.4	QP	16.9	-21.7	20.6	276	100	Vert.	46.0	25.4	
440.500	22.2	QP	18.4	-21.1	19.5	0	100	Hori.	46.0	26.5	
440.500	22.0	QP	18.4	-21.1	19.3	0	100	Vert.	46.0	26.7	
528.600	24.2	QP	19.6	-20.7	23.1	60	100	Hori.	46.0	22.9	
528.600	23.5	QP	19.6	-20.7	22.4	90	100	Vert.	46.0	23.6	
881.000	22.0	QP	23.3	-18.3	27.0	0	100	Hori.	46.0	19.0	
881.000	21.5	QP	23.3	-18.3	26.5	0	100	Vert.	46.0	19.5	

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)

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Spurious Emissions

ipod (A1199) Transmitting + Charging mode

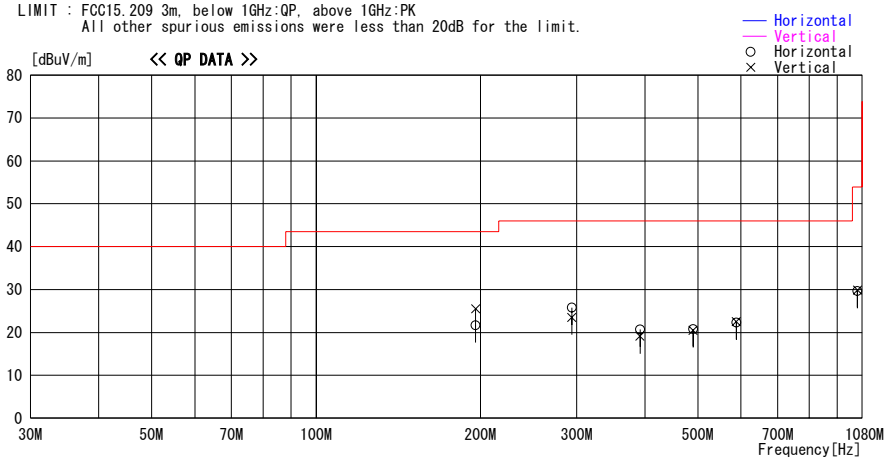
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1199) 98.0MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
196.000	31.8	QP	16.6	-22.9	25.5	0	100	Vert.	43.5	18.0	
196.000	28.0	QP	16.6	-22.9	21.7	216	157	Hori.	43.5	21.8	
294.000	28.3	QP	19.6	-22.1	25.8	328	125	Hori.	46.0	20.2	
294.000	26.0	QP	19.6	-22.1	23.5	0	100	Vert.	46.0	22.5	
392.000	24.8	QP	17.4	-21.5	20.7	84	100	Hori.	46.0	25.3	
392.000	23.2	QP	17.4	-21.5	19.1	0	100	Vert.	46.0	26.9	
490.000	22.3	QP	19.3	-20.8	20.8	0	100	Hori.	46.0	25.2	
490.000	22.0	QP	19.3	-20.8	20.5	0	100	Vert.	46.0	25.5	
588.000	22.8	QP	19.9	-20.4	22.3	80	100	Hori.	46.0	23.7	
588.000	23.0	QP	19.9	-20.4	22.5	60	100	Vert.	46.0	23.5	
980.000	20.8	QP	26.4	-17.5	29.7	0	100	Hori.	53.9	24.2	
980.000	21.0	QP	26.4	-17.5	29.9	0	100	Vert.	53.9	24.0	

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)

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Spurious Emissions

ipod (A1199) Transmitting + Charging mode

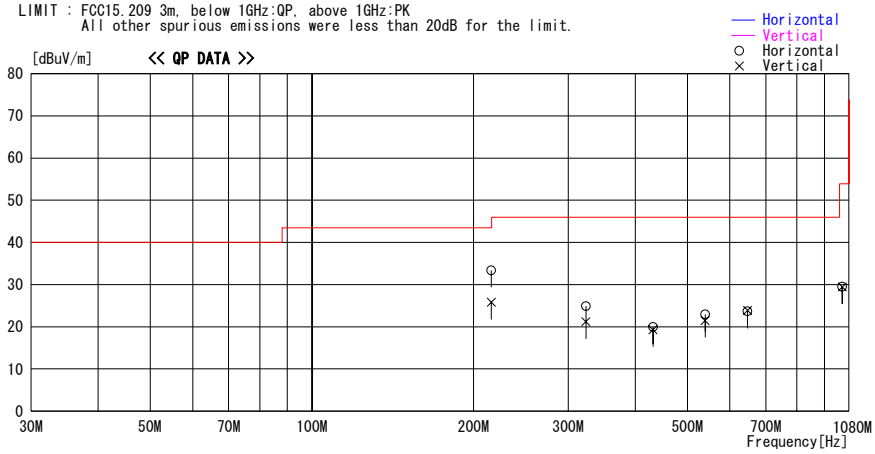
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1199) 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
215.800	39.2	QP	16.9	-22.7	33.4	34	160	Hori.	43.5	10.1	
215.800	31.6	QP	16.9	-22.7	25.8	0	100	Vert.	43.5	17.7	
323.700	30.4	QP	16.4	-21.9	24.9	0	100	Hori.	46.0	21.1	
323.700	26.7	QP	16.4	-21.9	21.2	35	180	Vert.	46.0	24.8	
431.600	23.0	QP	18.2	-21.2	20.0	77	100	Hori.	46.0	26.0	
431.600	22.3	QP	18.2	-21.2	19.3	250	100	Vert.	46.0	26.7	
539.500	23.9	QP	19.7	-20.6	23.0	90	196	Hori.	46.0	23.0	
539.500	22.4	QP	19.7	-20.6	21.5	0	100	Vert.	46.0	24.5	
647.400	23.5	QP	20.5	-20.3	23.7	0	127	Hori.	46.0	22.3	
647.400	23.7	QP	20.5	-20.3	23.9	245	100	Vert.	46.0	22.1	
971.100	20.9	QP	26.1	-17.5	29.5	0	100	Hori.	53.9	24.4	
971.100	20.9	QP	26.1	-17.5	29.5	0	100	Vert.	53.9	24.4	

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)

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Spurious Emissions

ipod (A1136) Transmitting mode

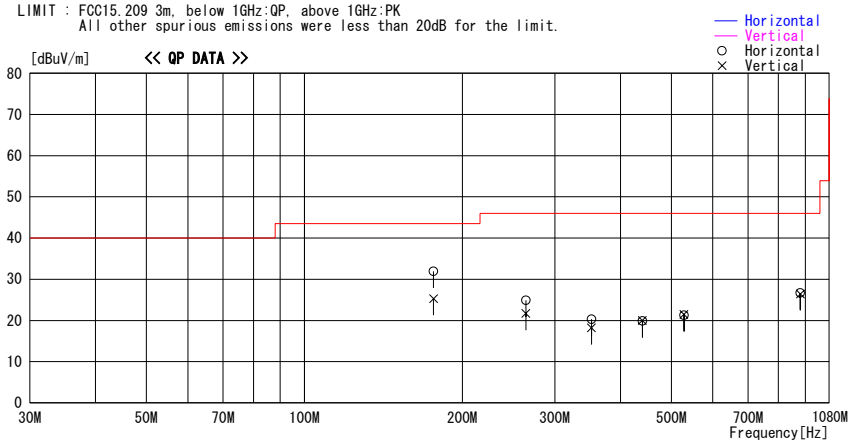
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Motoya Imura

Mode / Remarks : Transmitting mode with ipod(M/N:A1136) 88.1MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
176.198	38.6	QP	16.3	-23.0	31.9	0	214	Hori.	43.5	11.6	
176.198	32.0	QP	16.3	-23.0	25.3	121	270	Vert.	43.5	18.2	
264.274	29.2	QP	18.0	-22.3	24.9	20	200	Hori.	46.0	21.1	
264.291	26.0	QP	18.0	-22.3	21.7	90	226	Vert.	46.0	24.3	
352.400	25.1	QP	16.9	-21.7	20.3	10	210	Hori.	46.0	25.7	
352.400	23.0	QP	16.9	-21.7	18.2	90	260	Vert.	46.0	27.8	
440.500	22.6	QP	18.4	-21.1	19.9	0	100	Hori.	46.0	26.1	
440.500	22.7	QP	18.4	-21.1	20.0	0	100	Vert.	46.0	26.0	
528.600	22.4	QP	19.6	-20.7	21.3	0	100	Hori.	46.0	24.7	
528.600	22.6	QP	19.6	-20.7	21.5	0	100	Vert.	46.0	24.5	
881.000	21.7	QP	23.3	-18.3	26.7	0	100	Hori.	46.0	19.3	
881.000	21.4	QP	23.3	-18.3	26.4	0	100	Vert.	46.0	19.6	

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)

Spurious Emissions

ipod (A1136) Transmitting mode

DATA OF RADIATED EMISSION TEST

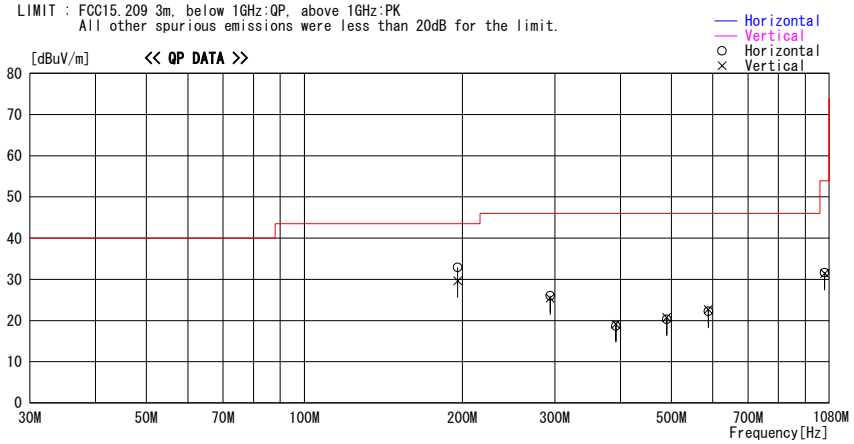
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 24deg.C. / 42%
Operator : Motoya Imura

Mode / Remarks : Transmitting mode with ipod(M/N:A1136) 98.0MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
196.000	39.2	QP	16.6	-22.9	32.9	0	174	Hori.	43.5	10.6	
196.000	35.9	QP	16.6	-22.9	29.6	0	120	Vert.	43.5	13.9	
294.000	28.5	QP	19.6	-22.1	26.0	0	180	Hori.	46.0	20.0	
294.000	27.9	QP	19.6	-22.1	25.4	40	100	Vert.	46.0	20.6	
392.000	22.8	QP	17.4	-21.5	18.7	0	300	Hori.	46.0	27.3	
392.000	23.2	QP	17.4	-21.5	19.1	304	100	Vert.	46.0	26.9	
490.000	21.8	QP	19.3	-20.8	20.3	0	300	Hori.	46.0	25.7	
490.000	22.2	QP	19.3	-20.8	20.7	0	100	Vert.	46.0	25.3	
588.000	22.7	QP	19.9	-20.4	22.2	0	300	Hori.	46.0	23.8	
588.000	23.2	QP	19.9	-20.4	22.7	0	100	Vert.	46.0	23.3	
980.000	22.7	QP	26.4	-17.5	31.6	0	300	Hori.	53.9	22.3	
980.000	22.5	QP	26.4	-17.5	31.4	0	100	Vert.	53.9	22.5	

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)

Spurious Emissions

ipod (A1136) Transmitting mode

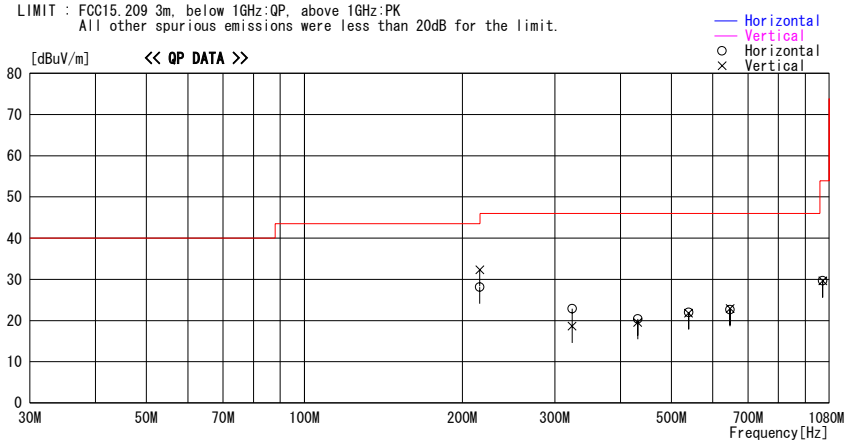
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Motoya Imura

Mode / Remarks : Transmitting mode with ipod(M/N:A1136) 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
215.800	33.9	QP	16.9	-22.7	28.1	270	290	Hori.	43.5	15.4	
215.800	38.1	QP	16.9	-22.7	32.3	340	110	Vert.	43.5	11.2	
323.700	28.4	QP	16.4	-21.9	22.9	330	270	Hori.	46.0	23.1	
323.700	24.1	QP	16.4	-21.9	18.6	230	100	Vert.	46.0	27.4	
431.600	23.4	QP	18.2	-21.2	20.4	330	200	Hori.	46.0	25.6	
431.600	22.5	QP	18.2	-21.2	19.5	230	100	Vert.	46.0	26.5	
539.500	22.9	QP	19.7	-20.6	22.0	0	100	Hori.	46.0	24.0	
539.500	22.7	QP	19.7	-20.6	21.8	230	100	Vert.	46.0	24.2	
647.400	22.4	QP	20.5	-20.3	22.6	0	100	Hori.	46.0	23.4	
647.400	22.7	QP	20.5	-20.3	22.9	0	100	Vert.	46.0	23.1	
971.100	21.1	QP	26.1	-17.5	29.7	0	100	Hori.	53.9	24.2	
971.100	21.0	QP	26.1	-17.5	29.6	0	100	Vert.	53.9	24.3	

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)

Spurious Emissions

ipod (A1136) Transmitting + Charging mode

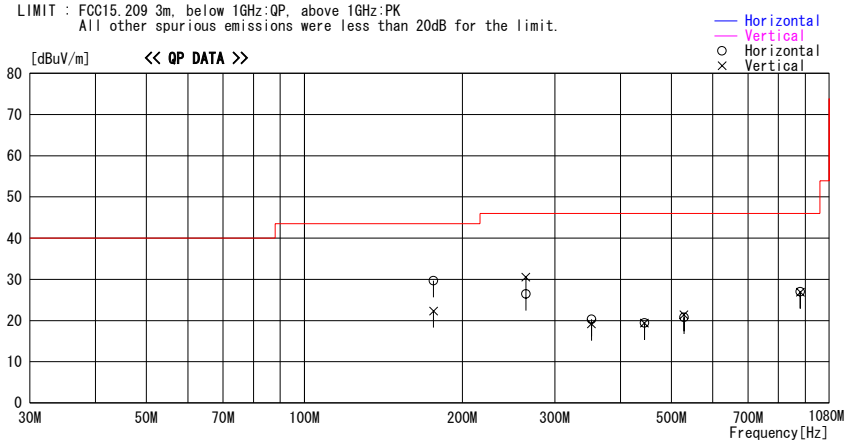
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Motoya Imura

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1136) 88.1MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
176.200	29.0	QP	16.3	-23.0	22.3	70	122	Vert.	43.5	21.2	
176.200	36.4	QP	16.3	-23.0	29.7	0	300	Hori.	43.5	13.8	
264.300	34.8	QP	18.0	-22.3	30.5	244	100	Vert.	46.0	15.5	
264.300	30.7	QP	18.0	-22.3	26.4	0	300	Hori.	46.0	19.6	
352.400	24.0	QP	16.9	-21.7	19.2	70	100	Vert.	46.0	26.8	
352.400	25.1	QP	16.9	-21.7	20.3	0	100	Hori.	46.0	25.7	
444.500	22.0	QP	18.5	-21.1	19.4	0	100	Vert.	46.0	26.6	
444.500	22.0	QP	18.5	-21.1	19.4	0	100	Hori.	46.0	26.6	
528.600	22.5	QP	19.6	-20.7	21.4	0	100	Vert.	46.0	24.6	
528.600	21.9	QP	19.6	-20.7	20.8	0	100	Hori.	46.0	25.2	
881.000	21.9	QP	23.3	-18.3	26.9	0	100	Vert.	46.0	19.1	
881.000	22.0	QP	23.3	-18.3	27.0	0	100	Hori.	46.0	19.0	

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)

Spurious Emissions

ipod (A1136) Transmitting + Charging mode

DATA OF RADIATED EMISSION TEST

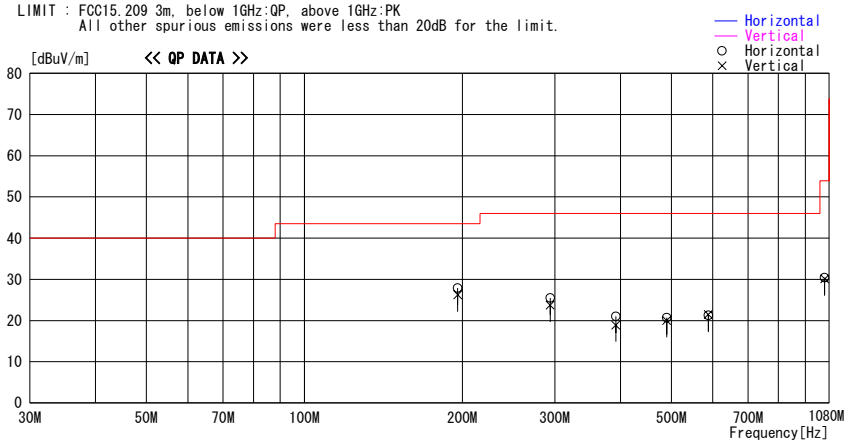
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/11

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 24deg.C. / 42%
Operator : Motoya Imura

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1136) 98.0MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
196.000	32.5	QP	16.6	-22.9	26.2	70	100	Vert.	43.5	17.3	
196.000	34.2	QP	16.6	-22.9	27.9	55	144	Hori.	43.5	15.6	
294.000	26.2	QP	19.6	-22.1	23.7	88	120	Vert.	46.0	22.3	
294.000	28.0	QP	19.6	-22.1	25.5	1	300	Hori.	46.0	20.5	
392.000	25.1	QP	17.4	-21.5	21.0	252	100	Hori.	46.0	25.0	
392.000	23.0	QP	17.4	-21.5	18.9	0	100	Vert.	46.0	27.1	
490.000	21.5	QP	19.3	-20.8	20.0	0	100	Vert.	46.0	26.0	
490.000	22.2	QP	19.3	-20.8	20.7	252	100	Hori.	46.0	25.3	
588.000	21.8	QP	19.9	-20.4	21.3	252	100	Hori.	46.0	24.7	
588.000	22.0	QP	19.9	-20.4	21.5	0	100	Vert.	46.0	24.5	
980.000	21.2	QP	26.4	-17.5	30.1	0	100	Vert.	53.9	23.8	
980.000	21.5	QP	26.4	-17.5	30.4	252	100	Hori.	53.9	23.5	

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)

Spurious Emissions

ipod (A1136) Transmitting + Charging mode

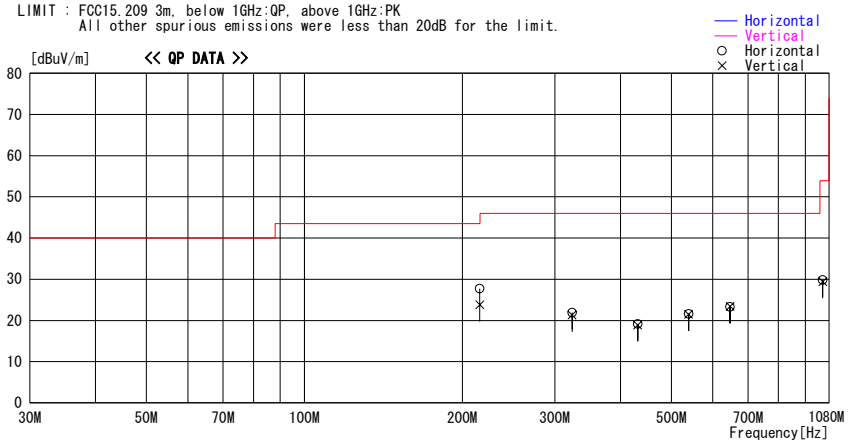
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Motoya Imura

Mode / Remarks : Transmitting +Charging mode with ipod(M/N:A1136) 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
215.800	33.5	QP	16.9	-22.7	27.7	0	170	Hori.	43.5	15.8	
215.800	29.6	QP	16.9	-22.7	23.8	140	100	Vert.	43.5	19.7	
323.700	27.4	QP	16.4	-21.9	21.9	230	330	Hori.	46.0	24.1	
323.700	26.8	QP	16.4	-21.9	21.3	330	230	Vert.	46.0	24.7	
431.600	22.2	QP	18.2	-21.2	19.2	0	100	Hori.	46.0	26.8	
431.600	21.9	QP	18.2	-21.2	18.9	359	100	Vert.	46.0	27.1	
539.500	22.5	QP	19.7	-20.6	21.6	0	100	Hori.	46.0	24.4	
539.500	22.4	QP	19.7	-20.6	21.5	359	100	Vert.	46.0	24.5	
647.400	23.1	QP	20.5	-20.3	23.3	0	100	Hori.	46.0	22.7	
647.400	23.2	QP	20.5	-20.3	23.4	359	100	Vert.	46.0	22.6	
971.100	21.2	QP	26.1	-17.5	29.8	0	100	Hori.	53.9	24.1	
971.100	20.8	QP	26.1	-17.5	29.4	359	100	Vert.	53.9	24.5	

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)

Spurious Emissions

Network Walkman(NW-A805) Transmitting mode

DATA OF RADIATED EMISSION TEST

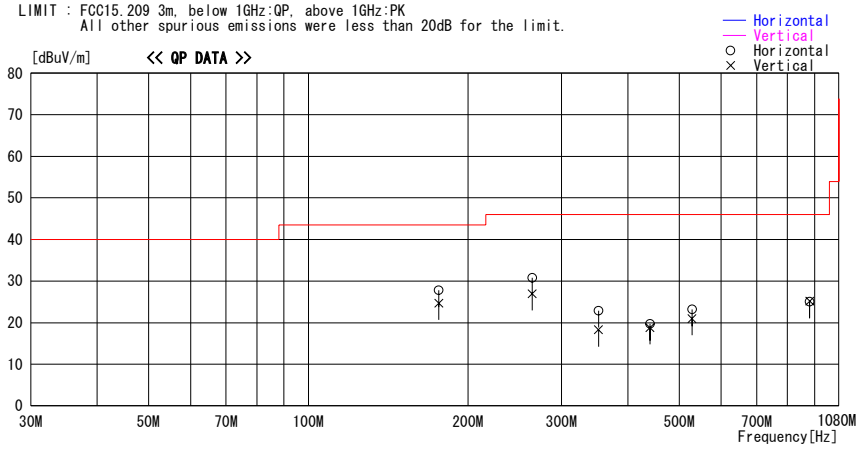
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 21deg.C. / 37%
Operator : Takumi Shimada

Mode / Remarks : Transmitting mode with Network Walkman(M/N:NW-A805) 88.1MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
176.200	31.4	QP	16.4	-23.1	24.7	0	100	Vert.	43.5	18.8	
176.200	34.5	QP	16.4	-23.1	27.8	192	184	Hori.	43.5	15.7	
264.300	35.3	QP	17.9	-22.4	30.8	220	132	Hori.	46.0	15.2	
264.300	31.5	QP	17.9	-22.4	27.0	25	100	Vert.	46.0	19.0	
352.400	28.7	QP	15.9	-21.7	22.9	130	100	Hori.	46.0	23.1	
352.400	24.1	QP	15.9	-21.7	18.3	278	100	Vert.	46.0	27.7	
440.500	23.0	QP	17.8	-21.1	19.7	315	100	Hori.	46.0	26.3	
440.500	22.1	QP	17.8	-21.1	18.8	0	100	Vert.	46.0	27.2	
528.600	25.2	QP	18.7	-20.7	23.2	173	100	Hori.	46.0	22.8	
528.600	23.0	QP	18.7	-20.7	21.0	0	100	Vert.	46.0	25.0	
881.000	21.4	QP	21.7	-18.0	25.1	0	100	Hori.	46.0	20.9	
881.000	21.5	QP	21.7	-18.0	25.2	0	100	Vert.	46.0	20.8	

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)

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Spurious Emissions

Network Walkman(NW-A805) Transmitting mode

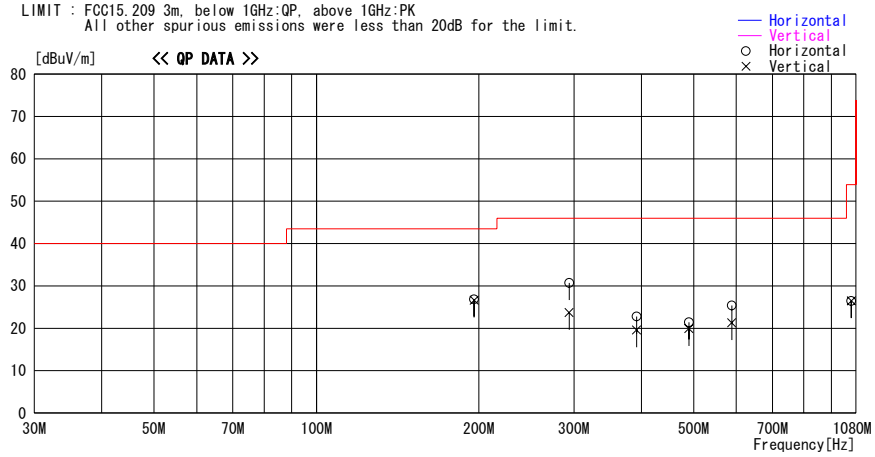
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with Network Walkman(M/N:NW-A805) 98.0MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
196.000	32.9	QP	16.6	-22.9	26.6	321	100	Vert.	43.5	16.9	
196.000	33.1	QP	16.6	-22.9	26.8	16	175	Hori.	43.5	16.7	
294.000	33.5	QP	19.3	-22.1	30.7	241	120	Hori.	46.0	15.3	
294.000	26.5	QP	19.3	-22.1	23.7	240	168	Vert.	46.0	22.3	
392.000	27.2	QP	17.1	-21.5	22.8	125	100	Hori.	46.0	23.2	
392.000	24.0	QP	17.1	-21.5	19.6	0	100	Vert.	46.0	26.4	
490.000	23.9	QP	18.3	-20.8	21.4	350	200	Hori.	46.0	24.6	
490.000	22.4	QP	18.3	-20.8	19.9	0	100	Vert.	46.0	26.1	
588.000	26.8	QP	19.1	-20.5	25.4	0	160	Hori.	46.0	20.6	
588.000	22.7	QP	19.1	-20.5	21.3	0	100	Vert.	46.0	24.7	
980.000	20.6	QP	23.0	-17.2	26.4	0	100	Hori.	53.9	27.5	
980.000	20.7	QP	23.0	-17.2	26.5	0	100	Vert.	53.9	27.4	

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)

Spurious Emissions

Network Walkman(NW-A805) Transmitting mode

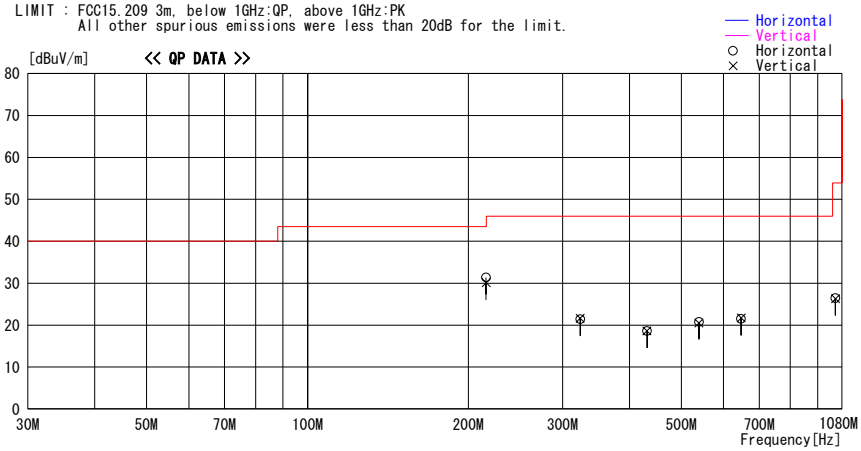
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with Network Walkman(M/N:NW-A805) 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
215.800	37.3	QP	16.8	-22.7	31.4	45	143	Hori.	43.5	12.1	
215.800	36.0	QP	16.8	-22.7	30.1	0	100	Vert.	43.5	13.4	
323.700	28.4	QP	14.9	-21.9	21.4	265	100	Hori.	46.0	24.6	
323.700	28.6	QP	14.9	-21.9	21.6	10	190	Vert.	46.0	24.4	
431.600	22.2	QP	17.7	-21.3	18.6	0	100	Hori.	46.0	27.4	
431.600	22.2	QP	17.7	-21.3	18.6	0	100	Vert.	46.0	27.4	
539.500	22.6	QP	18.8	-20.6	20.8	0	100	Hori.	46.0	25.2	
539.500	22.3	QP	18.8	-20.6	20.5	0	100	Vert.	46.0	25.5	
647.400	22.3	QP	19.4	-20.2	21.5	0	100	Hori.	46.0	24.5	
647.400	22.5	QP	19.4	-20.2	21.7	0	100	Vert.	46.0	24.3	
971.100	20.8	QP	22.8	-17.2	26.4	0	100	Hori.	53.9	27.5	
971.100	20.7	QP	22.8	-17.2	26.3	0	100	Vert.	53.9	27.6	

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)

Spurious Emissions

Network Walkman(NW-A805) Transmitting + Charging mode

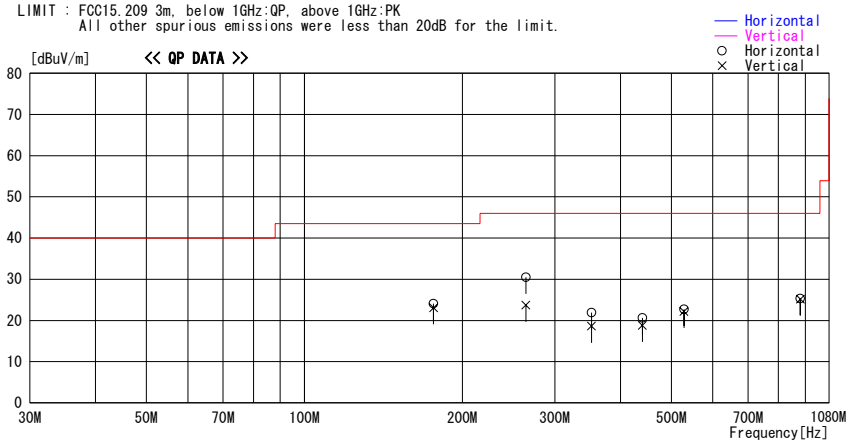
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with Network Walkman(M/N:NW-A805) 88.1MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
176.200	30.8	QP	16.4	-23.1	24.1	360	187	Hori.	43.5	19.4	
176.200	29.8	QP	16.4	-23.1	23.1	242	100	Vert.	43.5	20.4	
264.300	35.0	QP	17.9	-22.4	30.5	239	130	Hori.	46.0	15.5	
264.300	28.2	QP	17.9	-22.4	23.7	20	100	Vert.	46.0	22.3	
352.400	27.7	QP	15.9	-21.7	21.9	116	100	Hori.	46.0	24.1	
352.400	24.4	QP	15.9	-21.7	18.6	326	100	Vert.	46.0	27.4	
440.500	23.9	QP	17.8	-21.1	20.6	99	100	Hori.	46.0	25.4	
440.500	22.1	QP	17.8	-21.1	18.8	359	100	Vert.	46.0	27.2	
528.600	24.7	QP	18.7	-20.7	22.7	172	100	Hori.	46.0	23.3	
528.600	24.2	QP	18.7	-20.7	22.2	75	138	Vert.	46.0	23.8	
881.000	21.5	QP	21.7	-18.0	25.2	13	100	Vert.	46.0	20.8	
881.000	21.6	QP	21.7	-18.0	25.3	328	100	Hori.	46.0	20.7	

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)

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Spurious Emissions

Network Walkman(NW-A805) Transmitting + Charging mode

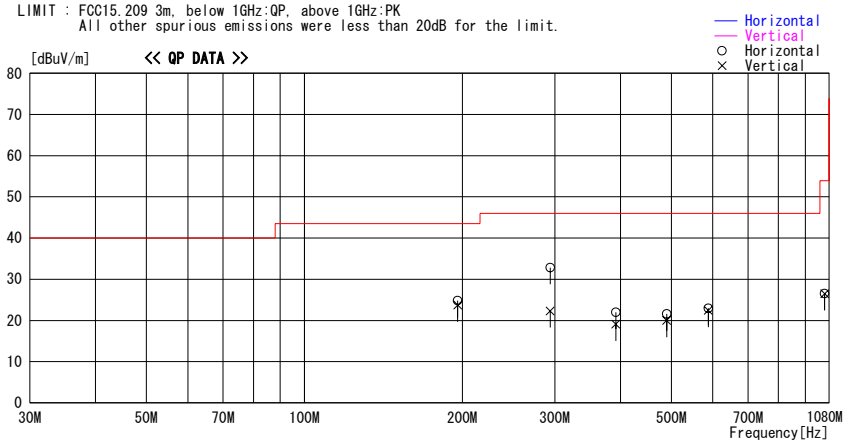
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with Network Walkman(M/N:NW-A805) 98.0MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
196.000	30.0	QP	16.6	-22.9	23.7	3	100	Vert.	43.5	19.8	
196.000	31.1	QP	16.6	-22.9	24.8	357	175	Hori.	43.5	18.7	
294.000	25.1	QP	19.3	-22.1	22.3	20	128	Vert.	46.0	23.7	
294.000	35.6	QP	19.3	-22.1	32.8	240	114	Hori.	46.0	13.2	
392.000	23.5	QP	17.1	-21.5	19.1	288	100	Vert.	46.0	26.9	
392.000	26.4	QP	17.1	-21.5	22.0	187	100	Hori.	46.0	24.0	
490.000	22.5	QP	18.3	-20.8	20.0	353	100	Vert.	46.0	26.0	
490.000	24.1	QP	18.3	-20.8	21.6	341	215	Hori.	46.0	24.4	
588.000	23.8	QP	19.1	-20.5	22.4	63	100	Vert.	46.0	23.6	
588.000	24.4	QP	19.1	-20.5	23.0	159	100	Hori.	46.0	23.0	
980.000	20.7	QP	23.0	-17.2	26.5	12	100	Vert.	53.9	27.4	
980.000	20.7	QP	23.0	-17.2	26.5	135	100	Hori.	53.9	27.4	

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)

Spurious Emissions

Network Walkman(NW-A805) Transmitting + Charging mode

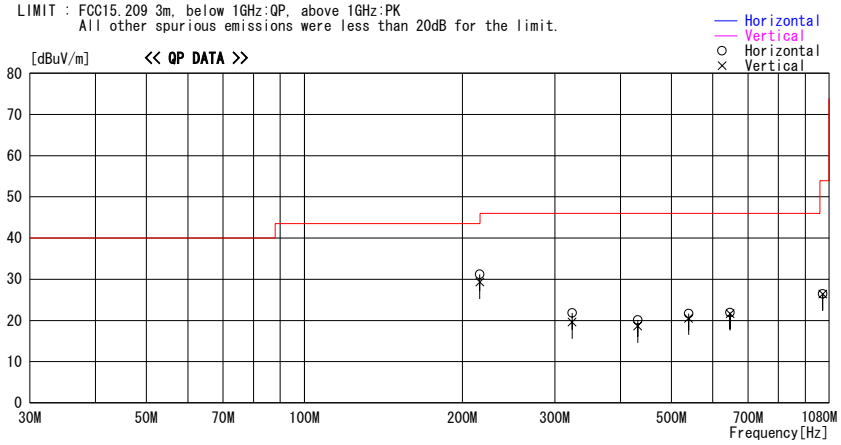
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 21deg.C. / 37%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with Network Walkman(M/N:NW-A805) 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
215.800	37.1	QP	16.8	-22.7	31.2	36	155	Hori.	43.5	12.3	
215.800	35.2	QP	16.8	-22.7	29.3	360	100	Vert.	43.5	14.2	
323.700	28.8	QP	14.9	-21.9	21.8	251	100	Hori.	46.0	24.2	
323.700	26.6	QP	14.9	-21.9	19.6	12	205	Vert.	46.0	26.4	
431.600	23.7	QP	17.7	-21.3	20.1	253	100	Hori.	46.0	25.9	
431.600	22.2	QP	17.7	-21.3	18.6	0	100	Vert.	46.0	27.4	
539.500	23.5	QP	18.8	-20.6	21.7	34	100	Hori.	46.0	24.3	
539.500	22.3	QP	18.8	-20.6	20.5	0	100	Vert.	46.0	25.5	
647.400	22.4	QP	19.4	-20.2	21.6	53	100	Vert.	46.0	24.4	
647.400	22.7	QP	19.4	-20.2	21.9	31	100	Hori.	46.0	24.1	
971.100	20.8	QP	22.8	-17.2	26.4	221	100	Vert.	53.9	27.5	
971.100	20.8	QP	22.8	-17.2	26.4	0	100	Hori.	53.9	27.5	

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)

Spurious Emissions(Band Edge)

ipod (A1199) Transmitting mode

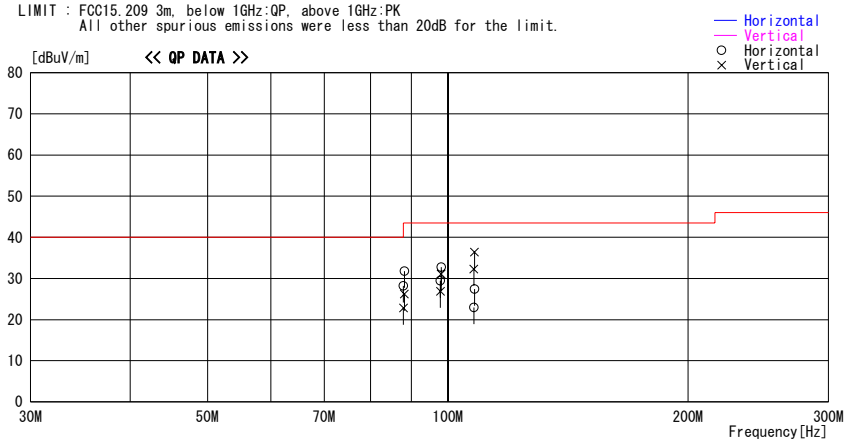
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company	: Sony Corporation	Report No.	: 27IE0314-HO
Kind of EUT	: Car FM Stereo Transmitter	Power	: DC 12V
Model No.	: DCC-FMT50UD	Temp./Humi.	: 24deg.C. / 42%
Serial No.	: U1	Operator	: Takumi Shimada

Mode / Remarks : Transmitting mode with ipod(M/N:A1199) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
88.000	44.0	QP	8.3	-24.1	28.2	0	230	Hori.	40.0	11.8	Tx 88.1MHz
88.000	38.6	QP	8.3	-24.1	22.8	90	150	Vert.	40.0	17.2	Tx 88.1MHz
88.200	47.6	QP	8.3	-24.1	31.8	0	230	Hori.	43.5	11.7	Tx 88.1MHz
88.200	42.0	QP	8.3	-24.1	26.2	90	150	Vert.	43.5	17.3	Tx 88.1MHz
97.900	43.3	QP	10.1	-24.0	29.4	0	320	Hori.	43.5	14.1	Tx 98.0MHz
97.900	40.8	QP	10.1	-24.0	26.9	280	120	Vert.	43.5	16.6	Tx 98.0MHz
98.100	46.6	QP	10.1	-24.0	32.7	0	320	Hori.	43.5	10.8	Tx 98.0MHz
98.100	45.0	QP	10.1	-24.0	31.1	280	120	Vert.	43.5	12.4	Tx 98.0MHz
107.800	35.3	QP	11.6	-23.9	23.0	310	336	Hori.	43.5	20.5	Tx 107.9MHz
107.800	44.6	QP	11.6	-23.9	32.3	45	100	Vert.	43.5	11.2	Tx 107.9MHz
108.000	39.7	QP	11.6	-23.9	27.4	310	336	Hori.	43.5	16.1	Tx 107.9MHz
108.000	48.7	QP	11.6	-23.9	36.4	45	100	Vert.	43.5	7.1	Tx 107.9MHz

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)

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Spurious Emissions(Band Edge)

ipod (A1199) Transmitting + Charging mode

DATA OF RADIATED EMISSION TEST

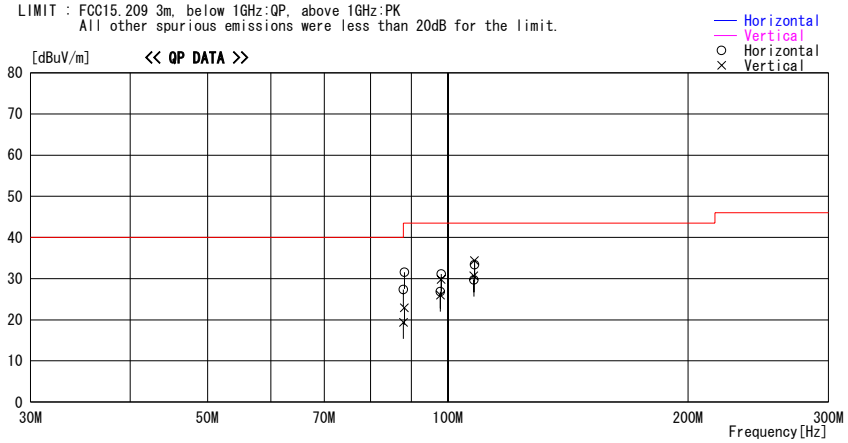
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 24deg.C. / 42%
Operator : Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1199) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
88.000	43.1	QP	8.3	-24.1	27.3	359	212	Hori.	40.0	12.7	Tx 88.1MHz
88.000	35.2	QP	8.3	-24.1	19.4	256	100	Vert.	40.0	20.6	Tx 88.1MHz
88.200	47.3	QP	8.3	-24.1	31.5	359	212	Hori.	43.5	12.0	Tx 88.1MHz
88.200	38.7	QP	8.3	-24.1	22.9	256	100	Vert.	43.5	20.6	Tx 88.1MHz
97.900	40.7	QP	10.1	-24.0	26.8	0	313	Hori.	43.5	16.7	Tx 98.0MHz
97.900	39.9	QP	10.1	-24.0	26.0	274	100	Vert.	43.5	17.5	Tx 98.0MHz
98.100	45.0	QP	10.1	-24.0	31.1	0	313	Hori.	43.5	12.4	Tx 98.0MHz
98.100	43.7	QP	10.1	-24.0	29.8	0	100	Vert.	43.5	13.7	Tx 98.0MHz
107.800	42.0	QP	11.6	-23.9	29.7	0	280	Hori.	43.5	13.8	Tx 107.9MHz
107.800	43.0	QP	11.6	-23.9	30.7	250	100	Vert.	43.5	12.8	Tx 107.9MHz
108.000	45.7	QP	11.6	-23.9	33.4	0	280	Hori.	43.5	10.1	Tx 107.9MHz
108.000	46.7	QP	11.6	-23.9	34.4	250	100	Vert.	43.5	9.1	Tx 107.9MHz

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)

Spurious Emissions(Band Edge)

ipod (A1136) Transmitting mode

DATA OF RADIATED EMISSION TEST

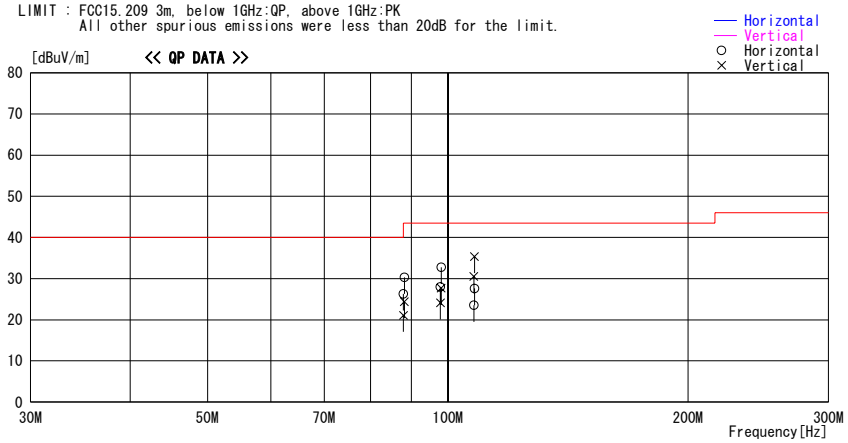
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 24deg.C. / 42%
Operator : Motoya Imura

Mode / Remarks : Transmitting mode with ipod(M/N:A1136) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
88.000	42.1	QP	8.3	-24.1	26.3	0	214	Hori.	40.0	13.7	Tx 88.1MHz
88.000	36.9	QP	8.3	-24.1	21.1	86	294	Vert.	40.0	18.9	Tx 88.1MHz
88.200	46.1	QP	8.3	-24.1	30.3	0	214	Hori.	43.5	13.2	Tx 88.1MHz
88.200	40.2	QP	8.3	-24.1	24.4	86	294	Vert.	43.5	19.1	Tx 88.1MHz
97.900	41.9	QP	10.1	-24.0	28.0	0	300	Hori.	43.5	15.5	Tx 98.0MHz
97.900	38.0	QP	10.1	-24.0	24.1	270	100	Vert.	43.5	19.4	Tx 98.0MHz
98.100	46.6	QP	10.1	-24.0	32.7	0	300	Hori.	43.5	10.8	Tx 98.0MHz
98.100	41.6	QP	10.1	-24.0	27.7	270	100	Vert.	43.5	15.8	Tx 98.0MHz
107.800	35.8	QP	11.6	-23.9	23.5	270	310	Hori.	43.5	20.0	Tx 107.9MHz
107.800	42.8	QP	11.6	-23.9	30.5	270	100	Vert.	43.5	13.0	Tx 107.9MHz
108.000	39.9	QP	11.6	-23.9	27.6	270	310	Hori.	43.5	15.9	Tx 107.9MHz
108.000	47.7	QP	11.6	-23.9	35.4	270	100	Vert.	43.5	8.1	Tx 107.9MHz

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)

Spurious Emissions(Band Edge)

ipod (A1136) Transmitting + Charging mode

DATA OF RADIATED EMISSION TEST

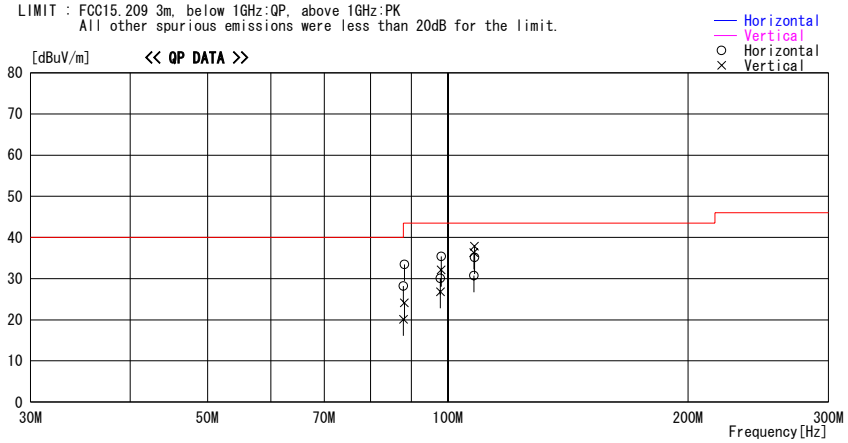
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/05/10

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 24deg.C. / 42%
Operator : Motoya Imura

Mode / Remarks : Transmitting + Charging mode with ipod(M/N:A1136) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
88.000	44.0	QP	8.3	-24.1	28.2	20	220	Hori.	40.0	11.8	Tx 88.1MHz
88.000	35.9	QP	8.3	-24.1	20.1	56	220	Vert.	40.0	19.9	Tx 88.1MHz
88.200	49.3	QP	8.3	-24.1	33.5	0	220	Hori.	43.5	10.0	Tx 88.1MHz
88.200	39.9	QP	8.3	-24.1	24.1	60	220	Vert.	43.5	19.4	Tx 88.1MHz
97.900	44.0	QP	10.1	-24.0	30.1	177	250	Hori.	43.5	13.4	Tx 98.0MHz
97.900	40.7	QP	10.1	-24.0	26.8	268	100	Vert.	43.5	16.7	Tx 98.0MHz
98.100	49.3	QP	10.1	-24.0	35.4	177	300	Hori.	43.5	8.1	Tx 98.0MHz
98.100	46.0	QP	10.1	-24.0	32.1	268	100	Vert.	43.5	11.4	Tx 98.0MHz
107.800	43.0	QP	11.6	-23.9	30.7	0	310	Hori.	43.5	12.8	Tx 107.9MHz
107.800	48.6	QP	11.6	-23.9	36.3	298	100	Vert.	43.5	7.2	Tx 107.9MHz
108.000	47.5	QP	11.6	-23.9	35.2	0	310	Hori.	43.5	8.3	Tx 107.9MHz
108.000	50.2	QP	11.6	-23.9	37.9	298	100	Vert.	43.5	5.6	Tx 107.9MHz

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)

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Spurious Emissions(Band Edge)

Network Walkman (NW-A805) Transmitting mode

DATA OF RADIATED EMISSION TEST

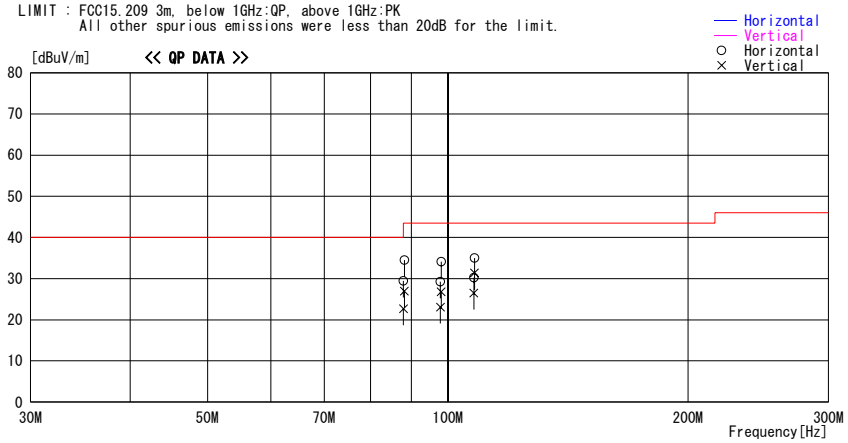
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 21deg.C. / 37%
Operator : Takumi Shimada

Mode / Remarks : Transmitting mode with Network Walkman(M/N:NW-A805) 88.1MHz / 98.0MHz / 107.9MHz Max-Axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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
88.000	45.2	QP	8.3	-24.1	29.4	0	210	Hori.	40.0	10.6	Tx 88.1MHz
88.000	38.5	QP	8.3	-24.1	22.7	260	120	Vert.	40.0	17.3	Tx 88.1MHz
88.200	50.3	QP	8.3	-24.1	34.5	0	210	Hori.	43.5	9.0	Tx 88.1MHz
88.200	42.8	QP	8.3	-24.1	27.0	260	120	Vert.	43.5	16.5	Tx 88.1MHz
97.900	43.3	QP	10.1	-24.1	29.3	0	300	Hori.	43.5	14.2	Tx 98.0MHz
97.900	37.1	QP	10.1	-24.1	23.1	260	140	Vert.	43.5	20.4	Tx 98.0MHz
98.100	48.1	QP	10.1	-24.1	34.1	0	300	Hori.	43.5	9.4	Tx 98.0MHz
98.100	40.8	QP	10.1	-24.1	26.8	260	140	Vert.	43.5	16.7	Tx 98.0MHz
107.800	42.6	QP	11.5	-23.9	30.2	0	287	Hori.	43.5	13.3	Tx 107.9MHz
107.800	38.9	QP	11.5	-23.9	26.5	260	120	Vert.	43.5	17.0	Tx 107.9MHz
108.000	47.3	QP	11.6	-23.9	35.0	0	287	Hori.	43.5	8.5	Tx 107.9MHz
108.000	43.7	QP	11.6	-23.9	31.4	260	120	Vert.	43.5	12.1	Tx 107.9MHz

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)

Spurious Emissions(Band Edge)

Network Walkman (NW-A805) Transmitting + Charging mode

DATA OF RADIATED EMISSION TEST

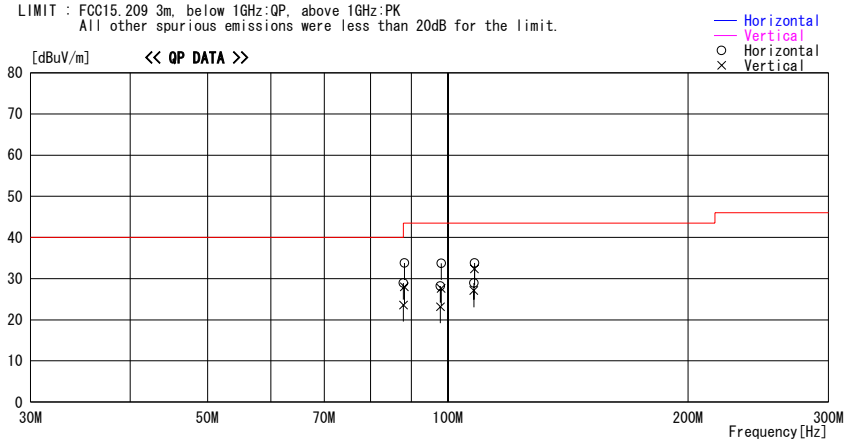
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2007/05/11

Company : Sony Corporation
Kind of EUT : Car FM Stereo Transmitter
Model No. : DCC-FMT50UD
Serial No. : U1

Report No. : 27IE0314-HO
Power : DC 12V
Temp./Humi. : 21deg.C. / 37%
Operator : Takumi Shimada

Mode / Remarks : Transmitting + Charging mode with Network Walkman(M/N:NW-A805) 88.1MHz / 98.0MHz / 107.9MHz Max-Axi

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



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]	
88.000	44.7	QP	8.3	-24.1	28.9	0	218	Hori.	40.0	11.1	Tx 88.1MHz
88.000	39.4	QP	8.3	-24.1	23.6	268	159	Vert.	40.0	16.4	Tx 88.1MHz
88.200	49.6	QP	8.3	-24.1	33.8	0	218	Hori.	43.5	9.7	Tx 88.1MHz
88.200	43.8	QP	8.3	-24.1	28.0	268	159	Vert.	43.5	15.5	Tx 88.1MHz
97.900	42.2	QP	10.1	-24.1	28.2	0	311	Hori.	43.5	15.3	Tx 98.0MHz
97.900	37.2	QP	10.1	-24.1	23.2	0	262	Vert.	43.5	20.3	Tx 98.0MHz
98.100	47.7	QP	10.1	-24.1	33.7	0	311	Hori.	43.5	9.8	Tx 98.0MHz
98.100	41.6	QP	10.1	-24.1	27.6	0	262	Vert.	43.5	15.9	Tx 98.0MHz
107.800	41.3	QP	11.5	-23.9	28.9	9	165	Hori.	43.5	14.6	Tx 107.9MHz
107.800	39.5	QP	11.5	-23.9	27.1	221	100	Vert.	43.5	16.4	Tx 107.9MHz
108.000	46.1	QP	11.6	-23.9	33.8	9	165	Hori.	43.5	9.7	Tx 107.9MHz
108.000	44.7	QP	11.6	-23.9	32.4	221	100	Vert.	43.5	11.1	Tx 107.9MHz

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

EMI test equipment

1) ipod (A1199) Transmitting mode (88.1/98.0/107.9 MHz)
2) ipod (A1199) Transmitting mode (88.1/98.0/107.9 MHz) + Charging mode
3) ipod (A1136) Transmitting mode (88.1/98.0/107.9 MHz)
4) ipod (A1136) Transmitting mode (88.1/98.0/107.9 MHz) + Charging mode

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/03 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE	2006/05/20 * 12
MTR-06	Test Receiver	Rohde & Schwarz	ESCS30	RE	2006/09/12 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2007/01/19 * 12
MCC-50	Coaxial cable	UL Apex	-	RE	2007/03/06 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/12 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MJM-07	Measure	PROMART	SEN1955	RE	-
MCB-02	Car Battery	YUASA	40B19L	RE	Pre Check
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-

5) Network Walkman (NW-A805) Transmitting mode (88.1/98.0/107.9 MHz)
6) Network Walkman (NW-A805)Transmitting mode (88.1/98.0/107.9 MHz) + Charging mode

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/05 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	RE	2006/12/08 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE	2007/02/03 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/19 * 12
MCC-51	Coaxial cable	UL Apex	-	RE	2007/03/05 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/16 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MJM-06	Measure	PROMART	SEN1955	RE	-
MCB-02	Car Battery	YUASA	40B19L	RE	Pre Check
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	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