

Test Report No : 23GE0067-HO - 2

APPENDIX 2

Test Instruments

EMI test equipment

Control No	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-01	Anechoic Chamber	TDK	Semi Anechoic Chamber 10m	RE	12/28/2002 * 12
MAT-06	Attenuator(6dB)	Weinschel Corp	2	RE	12/24/2002 * 12
MBA-01	Biconical Antenna	Schwarzbeck	BBA9106	RE	10/16/2002 * 12
MCC-01	Coaxial Cable	Suhner/storm/Agilent/TS J	-	RE	12/19/2002 * 12
MLA-01	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	10/16/2002 * 12
MTR-01	Test Receiver	Rohde & Schwarz	ES140	RE	11/01/2002 * 12
MRENT-04	Pre Amplifier	Amplifier Research	LN1000A	RE	03/27/2003 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE / CE	04/11/2003 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	12/24/2002 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	05/02/2002 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	05/09/2002 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	05/09/2002 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	05/02/2002 * 12
MPA-04	Pre Amplifier	Agilent	8447D	RE	03/13/2003 * 12
SA-07	Spectrum Analyzer	Advantest	R3273	RE	12/10/2002 * 12
MTR-01	Test Receiver	Rohde & Schwarz	ES140	RE	11/01/2002 * 12
MBF-01	SHF Bandpass Filter	M-City	5GHz BPF	RE	04/30/2002 * 12
MBF-02	SHF Bandpass Filter	M-City	8GHz BPF	RE	04/30/2002 * 12
MBF-03	SHF Bandpass Filter	M-City	13GHz BPF	RE	04/30/2002 * 12
MCC-04	Microwave Cable	Storm	421-011	RE	01/14/2003 * 12
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	01/11/2003 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	02/08/2003 * 12
MCC-05	Microwave Cable	Storm	421-011	RE	01/14/2003 * 12
MCC-06	Microwave Cable	Storm	421-011	RE	01/14/2003 * 12
MCC-11	Microwave coaxial cable	Suhner	SUCOFLEX 104	RE	03/27/2003 * 12
MHA-01	Horn Antenna	EMCO	3160-09	RE	01/11/2003 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	03/18/2003 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE	03/18/2003 * 12
MTA-01	Termination	TME	CT-01	CE	01/07/2003 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: Conducted emission,

RE: Radiated emission,

DATA OF CONDUCTION TEST

UL Apex Co., Ltd. Head Office EMC Lab.
No.2 Semi Anechoic Chamber
Report No. : 23GE0067-H0 - 2

Applicant : YAMAHA CORPORATION
Kind of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
Serial No. : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting (CH11:2462MHz)
Remarks : Standard-Antenna, FCC ID:A6RMCX1000A, IC No:740B-MCX1000A
Date : 4/18/2003
Phase : Single Phase
Temperature : 25 °C
Humidity : 41 %
Regulation : FCC Part15C § 15.207 (0.15-30MHz)


Engineer : Hiroka Umeyama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]				QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]
1.	0.1691	44.4	-	44.3	-	0.0	0.1	0.0	44.5	-	65.0	55.0	20.5	-
2.	0.2180	47.2	-	47.2	-	0.0	0.1	0.0	47.3	-	62.9	52.9	15.6	-
3.	0.7080	31.2	-	30.5	-	0.1	0.1	0.0	31.4	-	56.0	46.0	24.6	-
4.	1.8297	36.1	-	36.4	-	0.1	0.3	0.0	36.8	-	56.0	46.0	19.2	-
5.	2.0038	35.3	-	35.1	-	0.1	0.3	0.0	35.7	-	56.0	46.0	20.3	-
6.	7.0162	22.2	-	21.4	-	0.3	0.6	0.0	23.1	-	60.0	50.0	36.9	-
7.	22.5791	17.6	-	17.3	-	0.8	1.3	0.0	19.7	-	60.0	50.0	40.3	-

CALCULATION: READING[dBμV] + LISN FACTOR[dB] + CABLE LOSS[dB] + ATTEN[dB].

Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd. Head Office EMC Lab.
No.2 Semi Anechoic Chamber
Report No. : 23GE0067-H0- 2

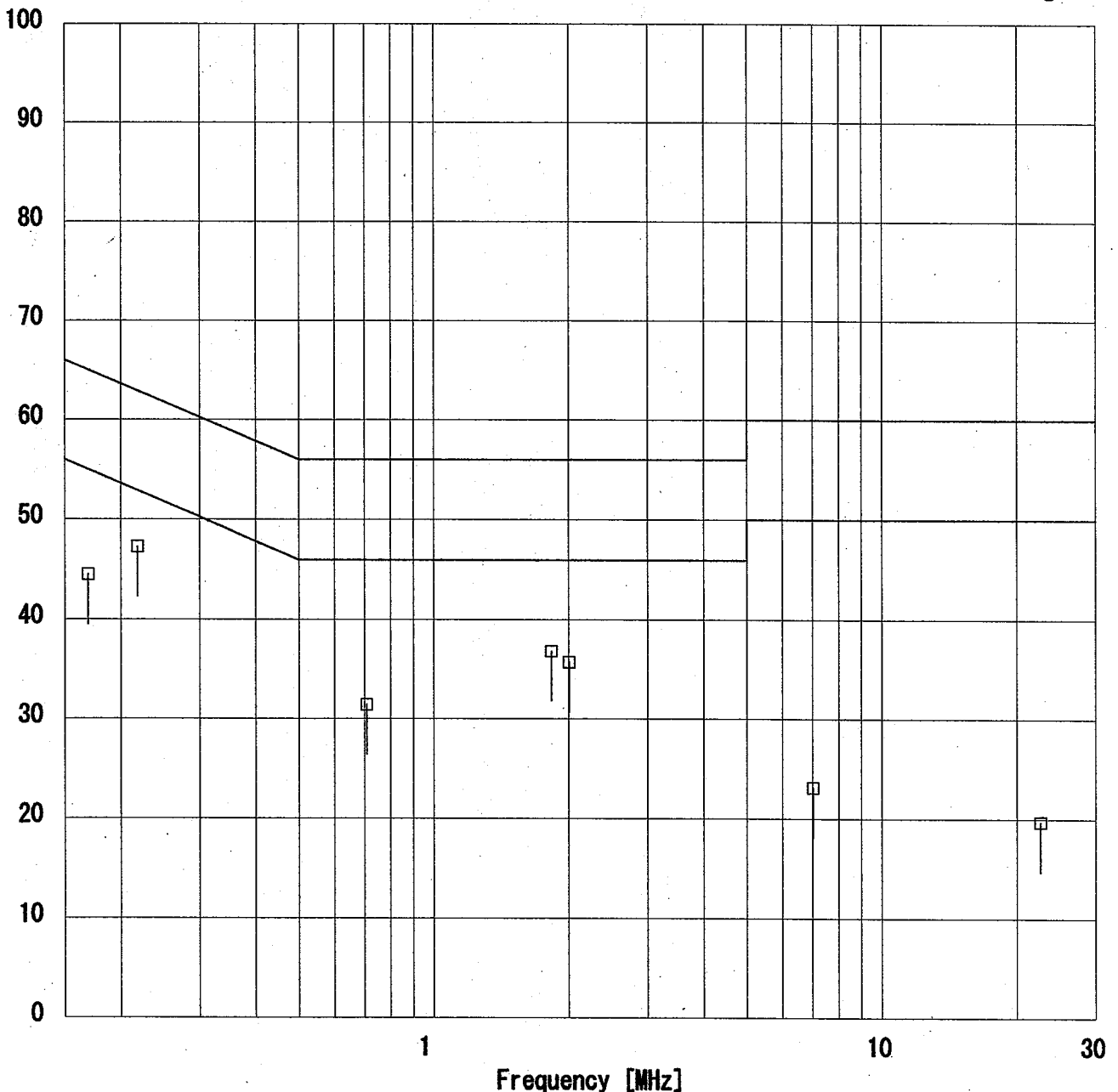
Applicant : YAMAHA CORPORATION
Kind of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
Serial No. : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting (CH11:2462MHz)
Remarks : Standard-Antenna, FCC ID:A6RMCX1000A, IC No:740B-MCX1000A
Date : 4/18/2003
Phase : Single Phase
Temperature : 25 °C
Humidity : 41 %
Regulation : FCC Part15C § 15.207 (0.15-30MHz)

Engineer : Hiroka Umeyama

Emission Level [dB μ V]

□ Quasi-Peak

× Average



DATA OF CONDUCTION TEST CHART

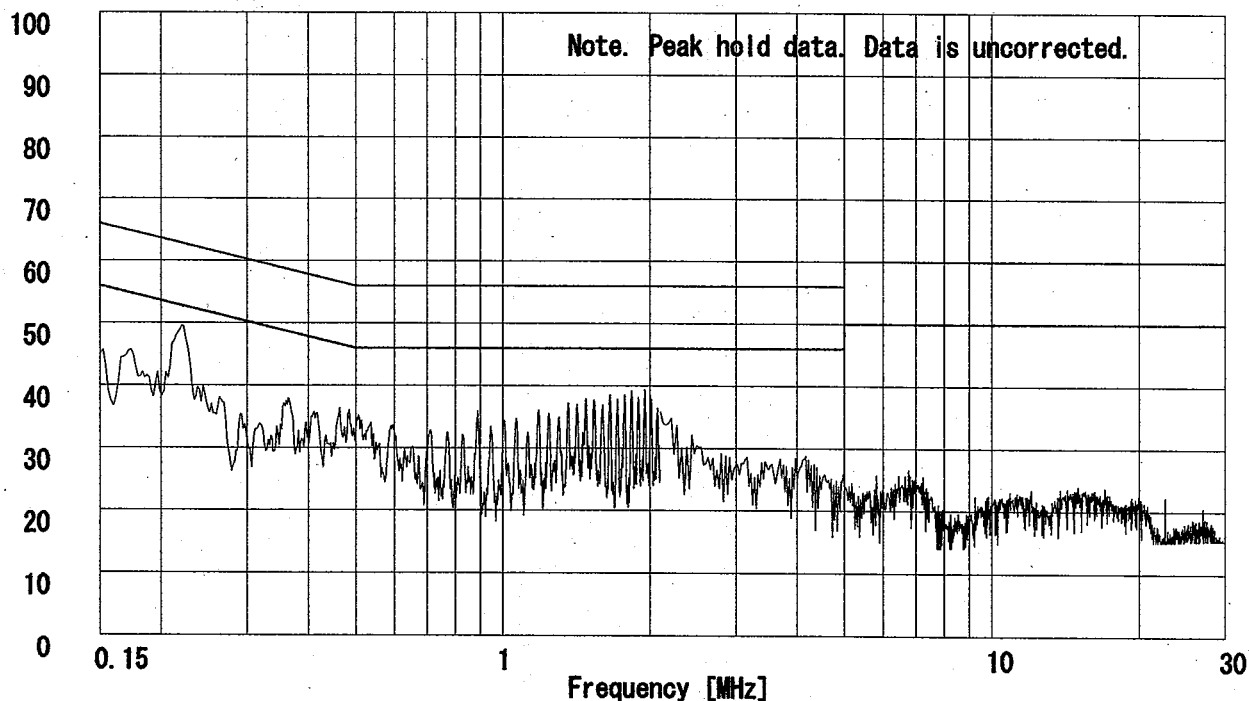
UL Apex Co., Ltd. Head Office EMC Lab.
No.2 Semi Anechoic Chamber
Report No. : 23GE0067-H0- 2

Applicant : YAMAHA CORPORATION
Kind of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
Serial No. : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting (CH1:2412MHz)
Remarks : Standard-Antenna, FCC ID:A6RMCX1000A, IC No:740B-MCX1000A
Date : 4/18/2003
Phase : Single Phase
Temperature : 25 °C
Humidity : 41 %
Regulation 1 : FCC Part15C § 15.207 (0.15-30MHz)
Regulation 2 : None

Engineer : Hiroka Uneyama

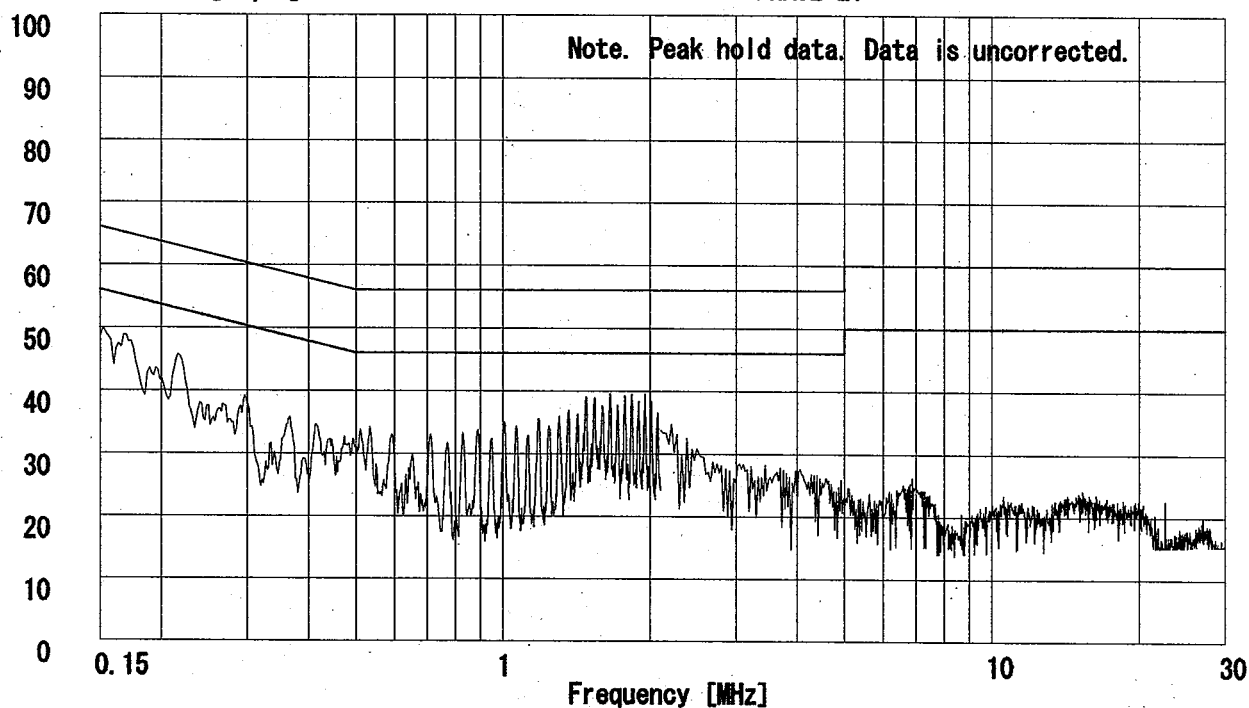
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd. Head Office EMC Lab.

No.2 Semi Anechoic Chamber

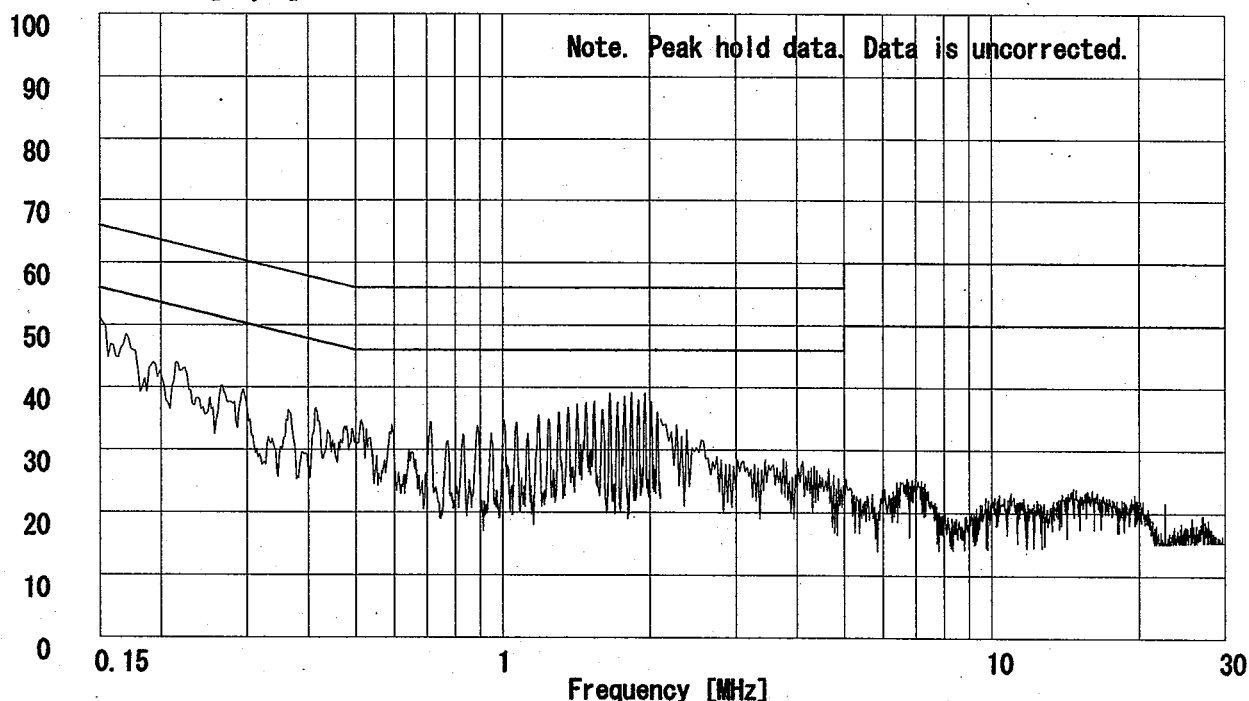
Report No. : 23GE0067-H0 - 2

Applicant : YAMAHA CORPORATION
Kind of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
Serial No. : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting (CH6:2437MHz)
Remarks : Standard-Antenna, FCC ID:A6RMCX1000A, IC No:740B-MCX1000A
Date : 4/18/2003
Phase : Single Phase
Temperature : 25 °C
Humidity : 41 %
Regulation 1 : FCC Part15C § 15.207 (0.15-30MHz)
Regulation 2 : None

Engineer : Hiroka Uneyama

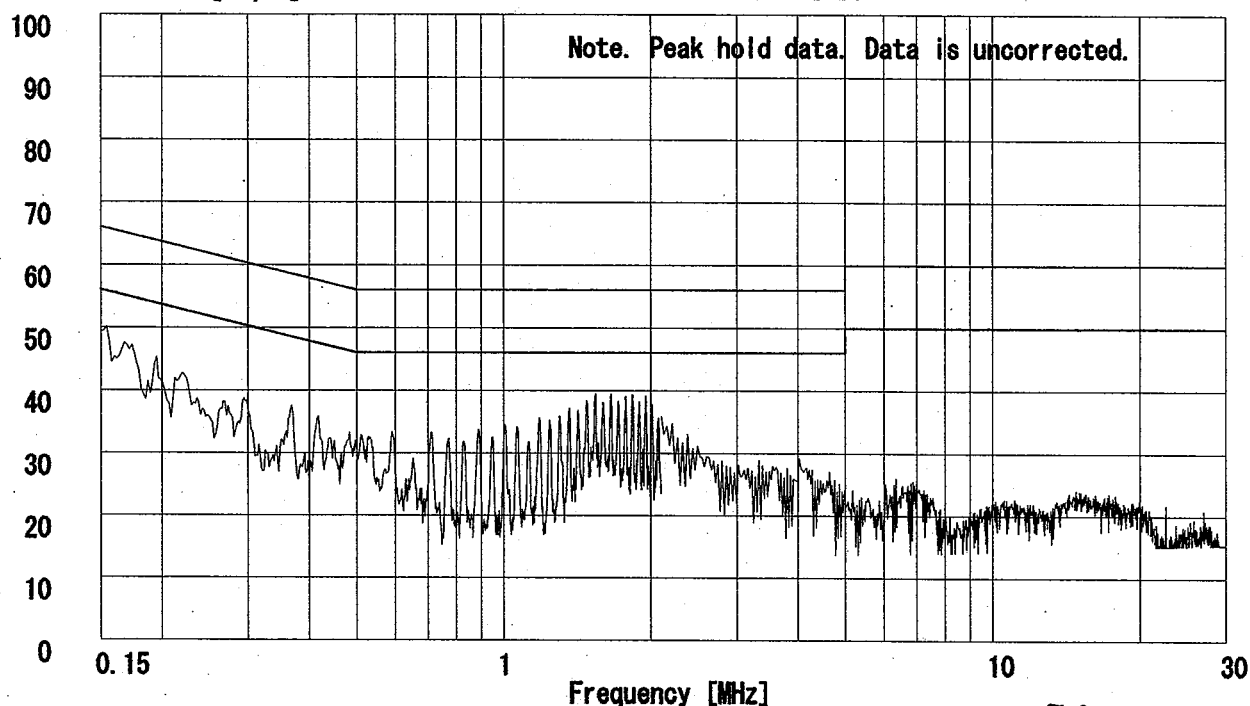
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd. Head Office EMC Lab.

No.2 Semi Anechoic Chamber

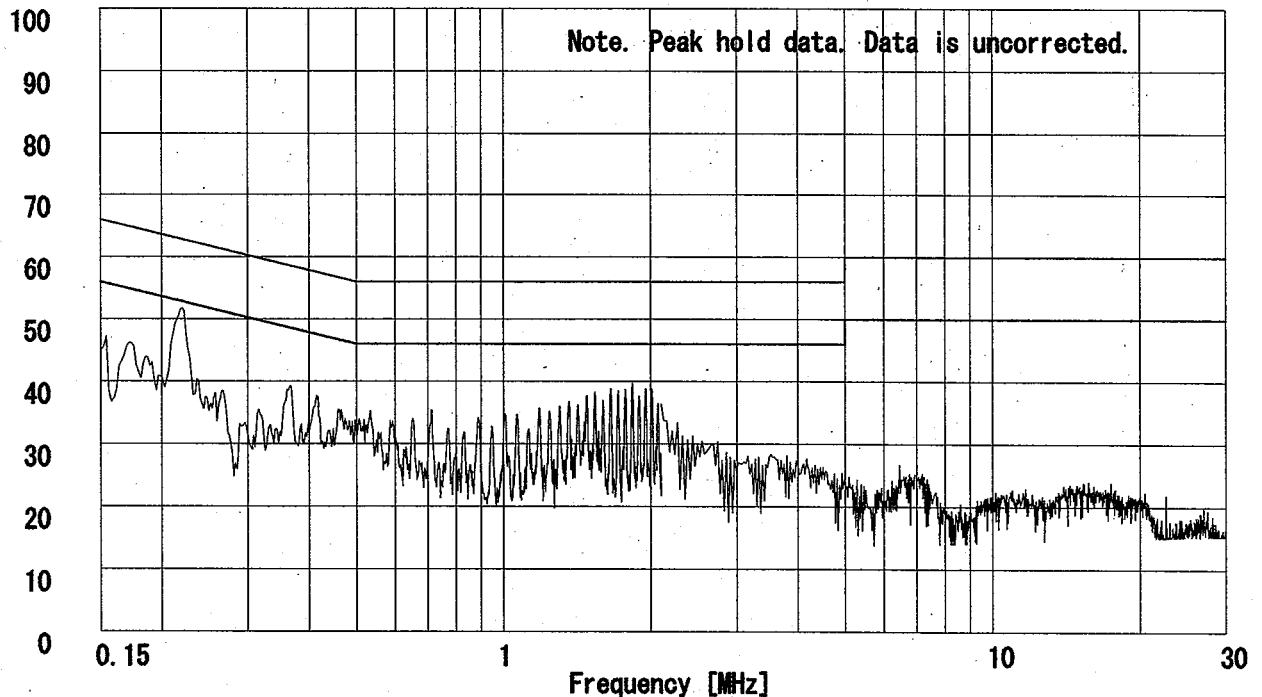
Report No. : 23GE0067-H0 - 2

Applicant : YAMAHA CORPORATION
Kind of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
Serial No. : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting (CH11:2462MHz)
Remarks : Standard-Antenna, FCC ID:A6RMCX1000A, IC No:740B-MCX1000A
Date : 4/18/2003
Phase : Single Phase
Temperature : 25 °C
Humidity : 41 %
Regulation 1 : FCC Part15C s 15.207 (0.15-30MHz)
Regulation 2 : None

Engineer : Hiroka Uneyama

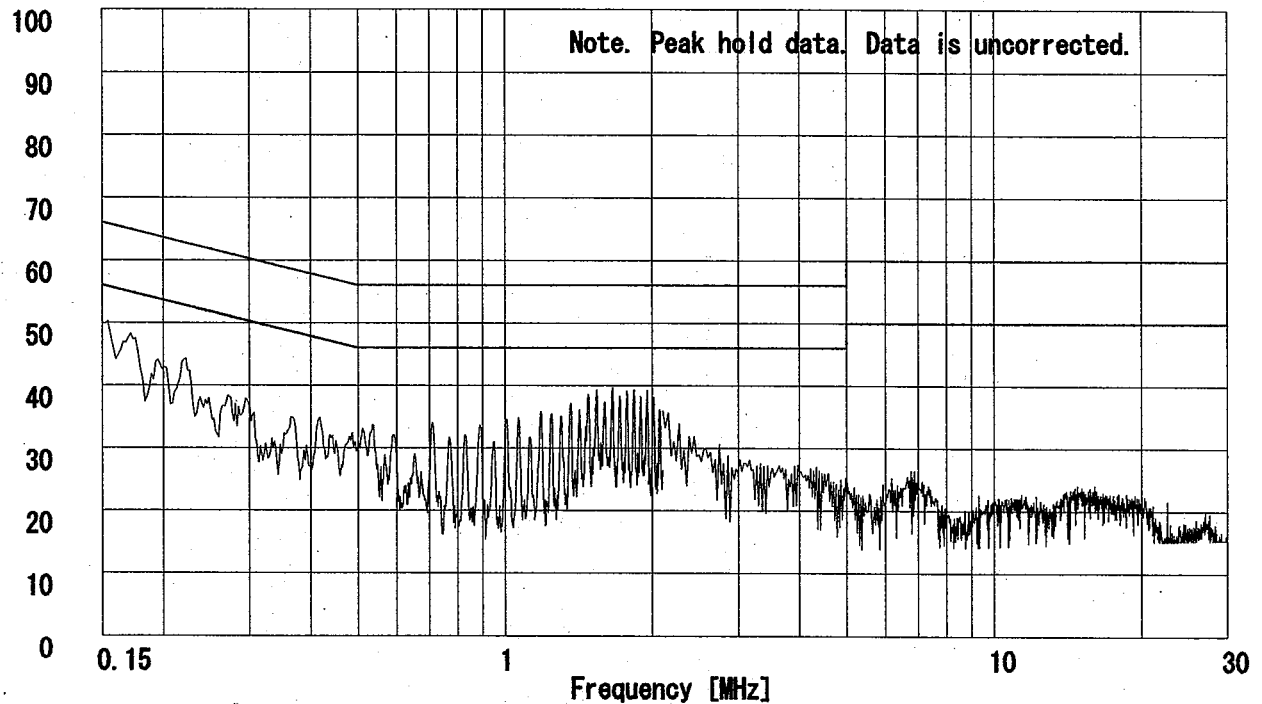
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd. Head Office EMC Lab.

No.2 Semi Anechoic Chamber

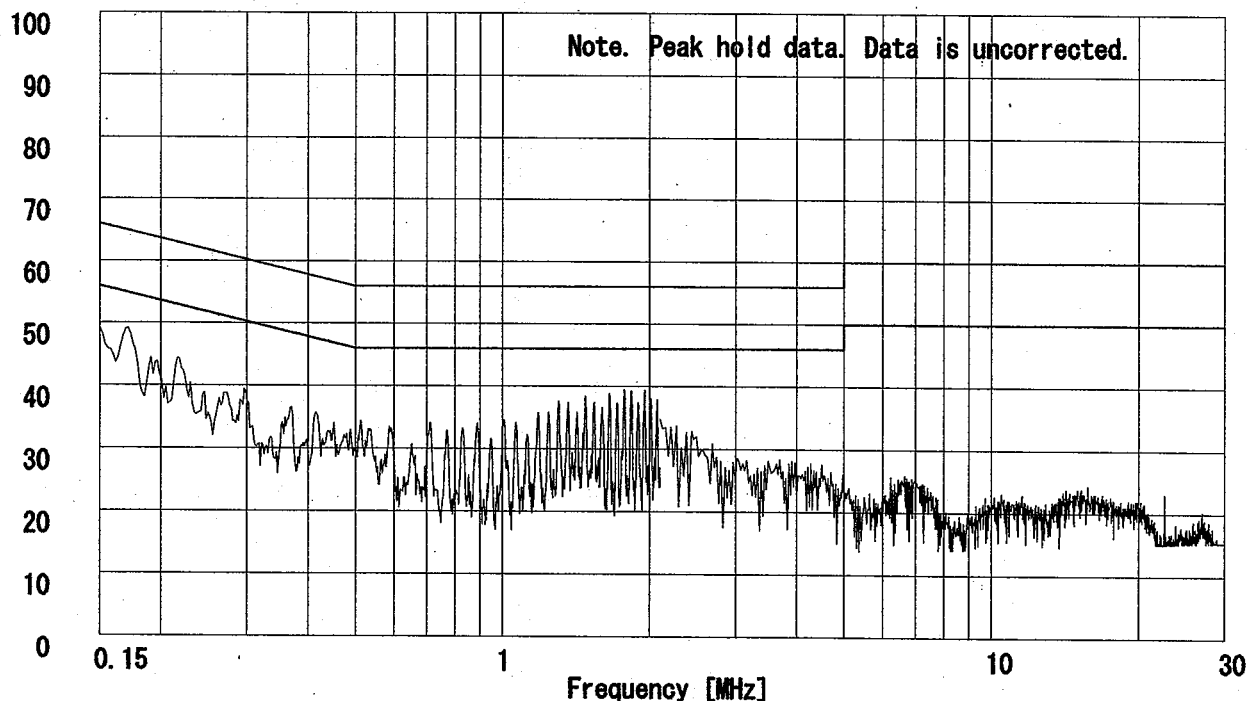
Report No. : 23GE0067-H0-2

Applicant : YAMAHA CORPORATION
Kind of Equipment : DIGITAL AUDIO SERVER
Model No. : MCX-1000
Serial No. : N010123Y0
Power : AC120V/60Hz
Mode : Standby
Remarks : Standard-Antenna, FCC ID:A6RMCX1000A, IC No:740B-MCX1000A
Date : 4/18/2003
Phase : Single Phase
Temperature : 25 °C
Humidity : 41 %
Regulation 1 : FCC Part15C § 15.207 (0.15-30MHz)
Regulation 2 : None

Engineer : *Hiroka Uneyama*
Hiroka Uneyama

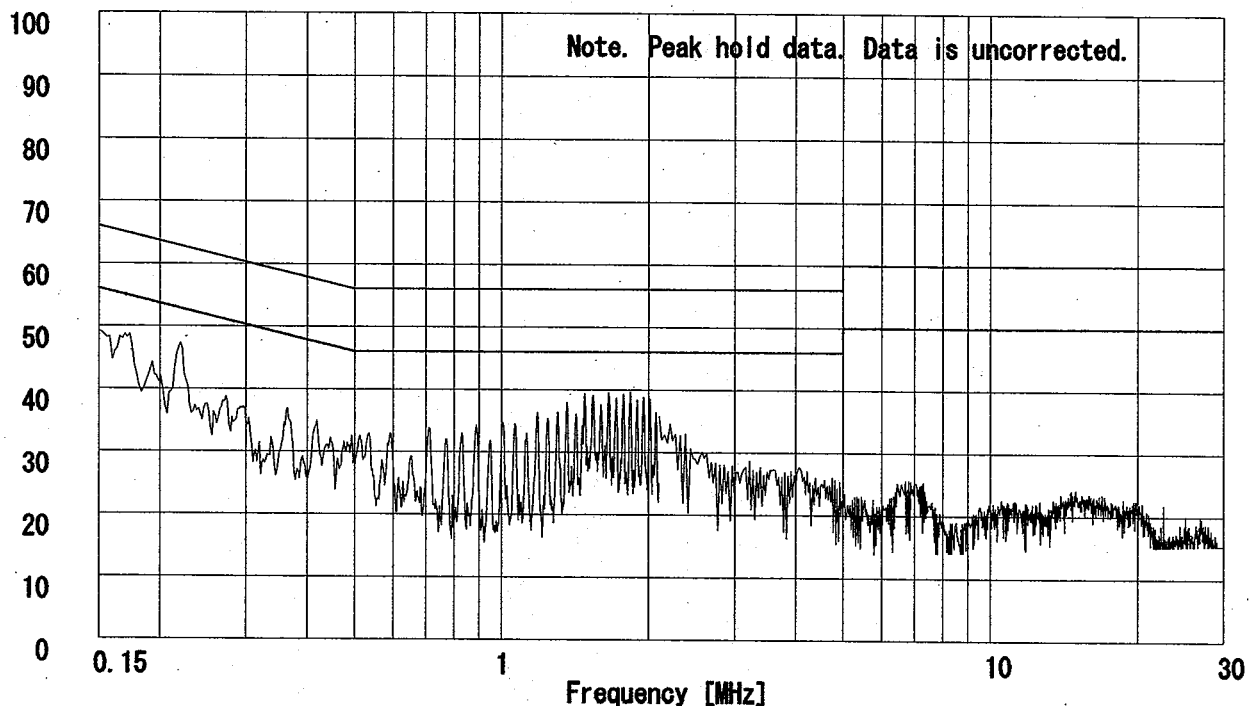
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF 6dB BANDWIDTH

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

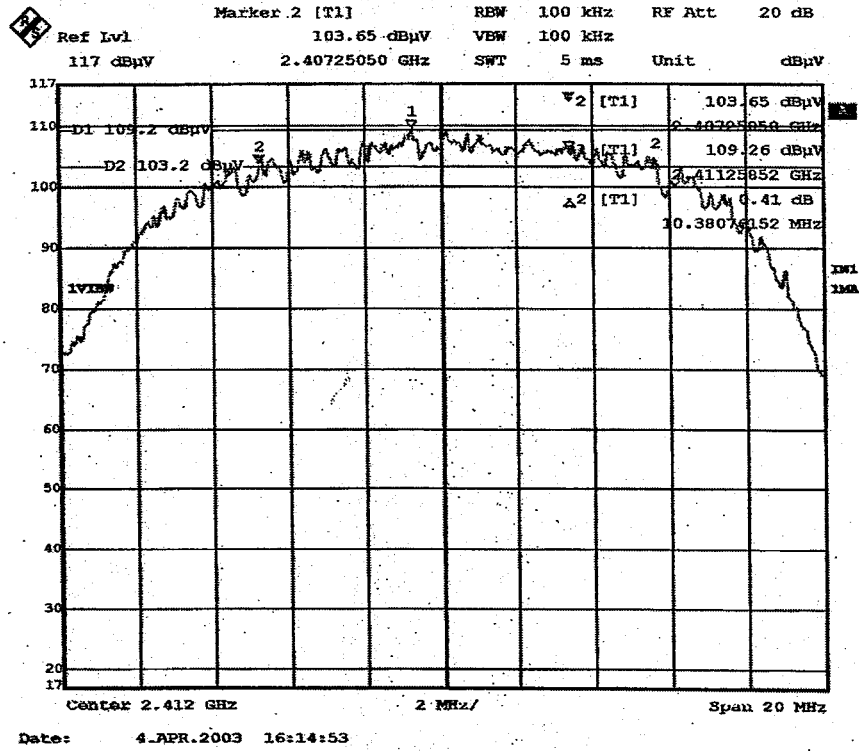
Company : YAMAHA CORPORATION
Equipment : DIGITAL AUDIO SERVER
Model : MCX-1000
Sample No. : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting
FCC ID : A6RMCX1000A
IC No. : 740B-MCX1000A

Report No. : 23GE0067-HO- 2
REGULATION : Fcc Part15 Subpart C 247(a)(2)
Test Distance : -
Date : 2003/04/04
Temperature : 23deg.C
Humidity : 37%

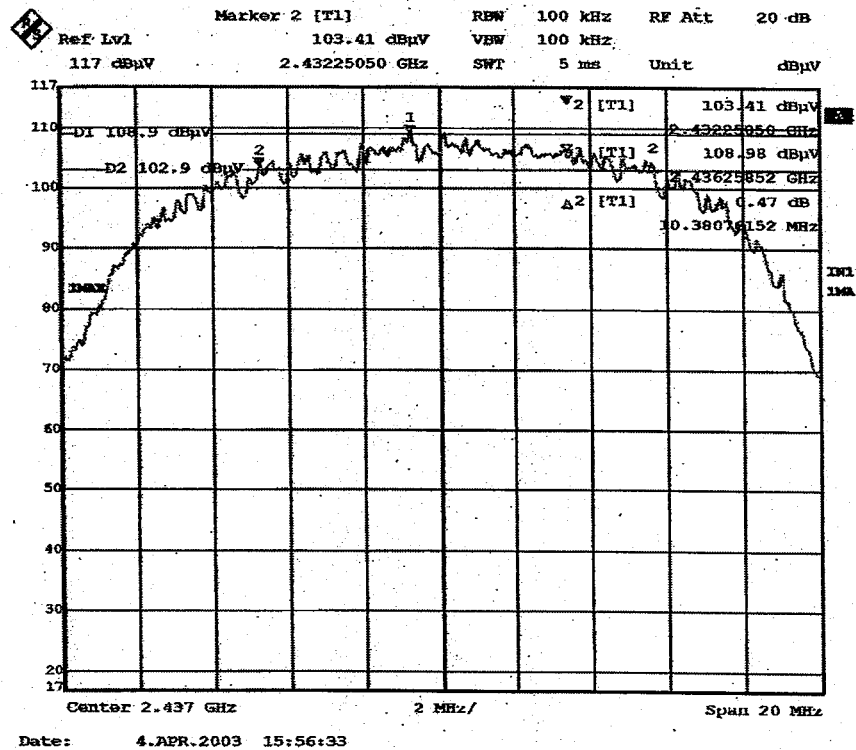

ENGINEER : Hiroka Umeyama

CH	FREQ	6dB Bandwidth	Limit
	[MHz]	[MHz]	[kHz]
Low(1)	2412.0	10.4	500.0
Mid(6)	2437.0	10.4	500.0
High(11)	2462.0	10.4	500.0

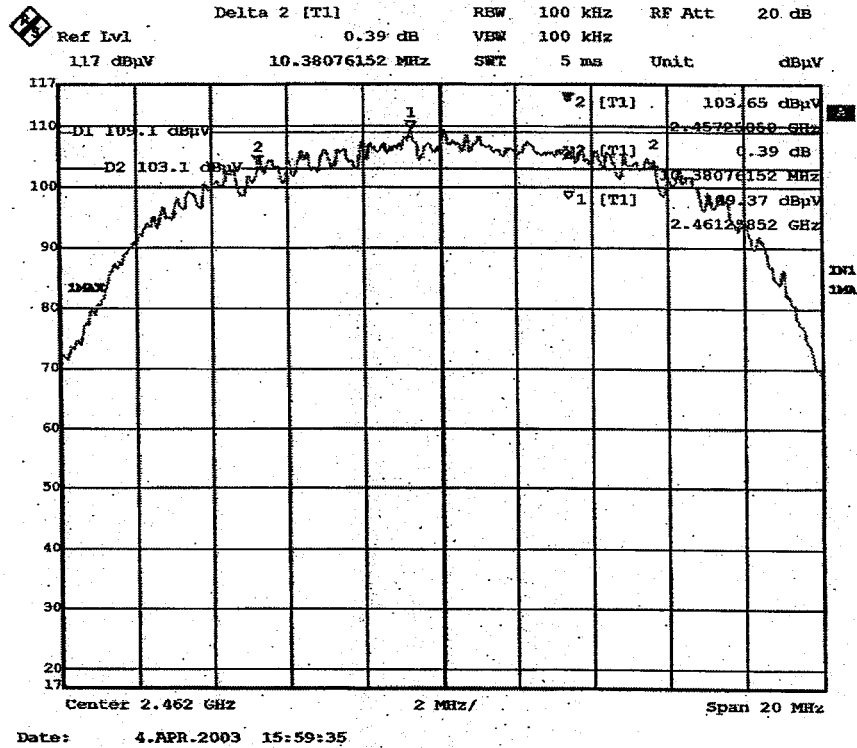
6dB Bandwidth:Tx(ch1:2412MHz)



6dB Bandwidth:Tx(ch6:2437MHz)



6dB Bandwidth:Tx(ch11:2462MHz)



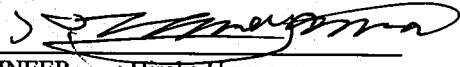
DATA OF PEAK OUTPUT POWER(CONDUCTED)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
Equipment : DIGITAL AUDIO SERVER
Model : MCX-1000
Sample No : N010123Y0
Power : AC120V/60Hz
Mode : Transmitting
FCC ID : A6RMCX1000A
IC No. : 740B-MCX1000A

Report No. : 23GE0067-HO- **2**
REGULATION : Fcc Part15 Subpart C 247(b)(3)
Test Distance : -
Date : 2003/04/03
Temperature : 23deg.C
Humidity : 37%

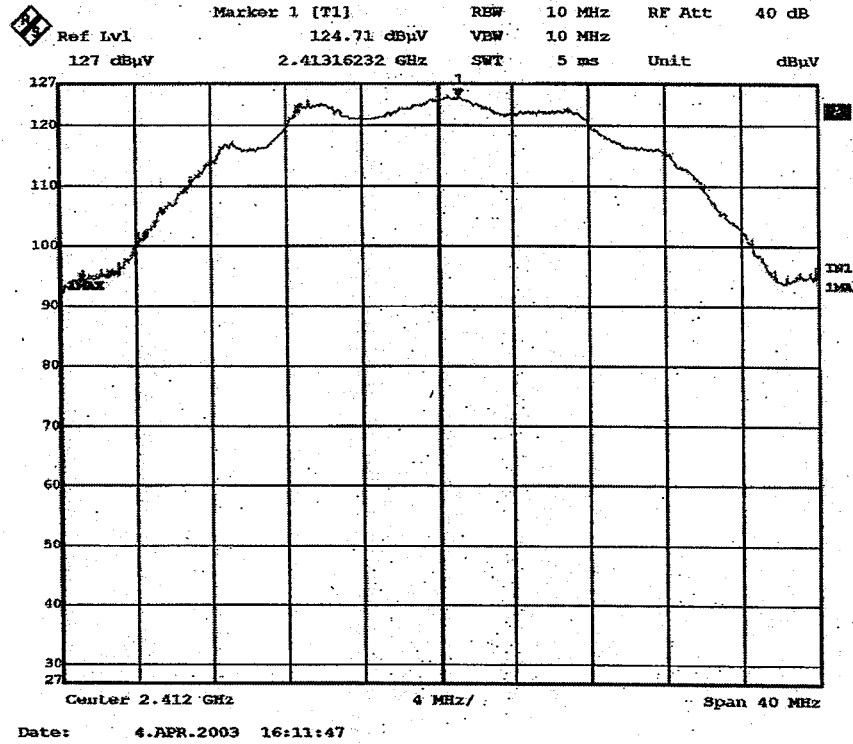

ENGINEER : Hiroka Umeyama

ch	FREQ [MHz]	T/R Reading [dBuV]	Cable Loss [dB]	ATTEN. [dB]	Result [dBuV]	Limit (1W) [dBm]	Margin [dB]
Low(1)	2412.0	125.63	2.1	0.0	127.7	30.0	9.3
Mid(6)	2437.0	125.15	2.1	0.0	127.3	30.0	9.8
High(11)	2462.0	125.40	2.0	0.0	127.4	30.0	9.6

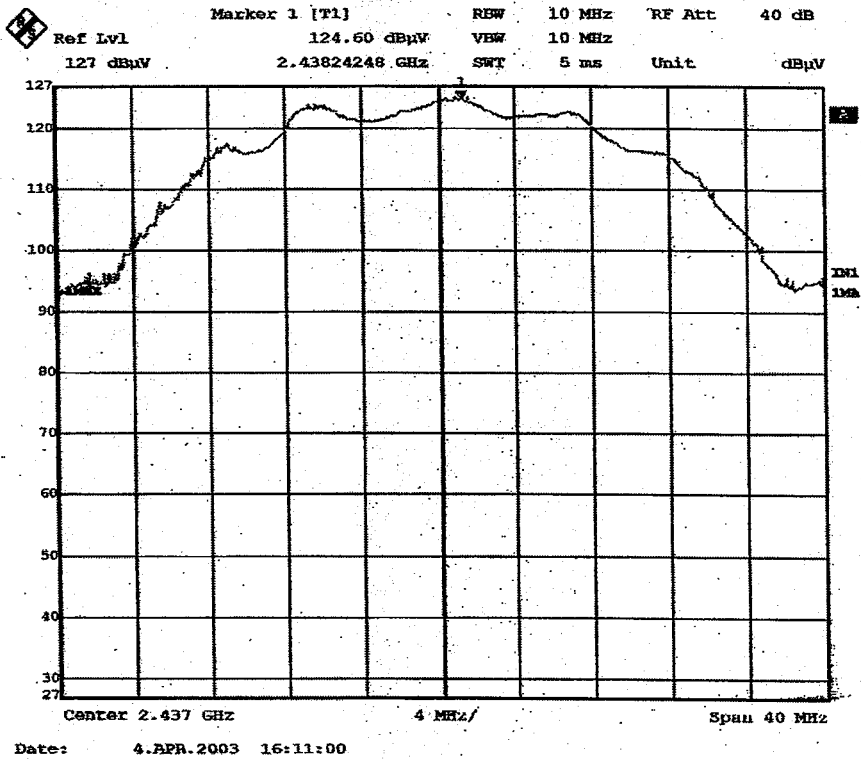
Sample Calculation:

Result = Reading + Cable Loss

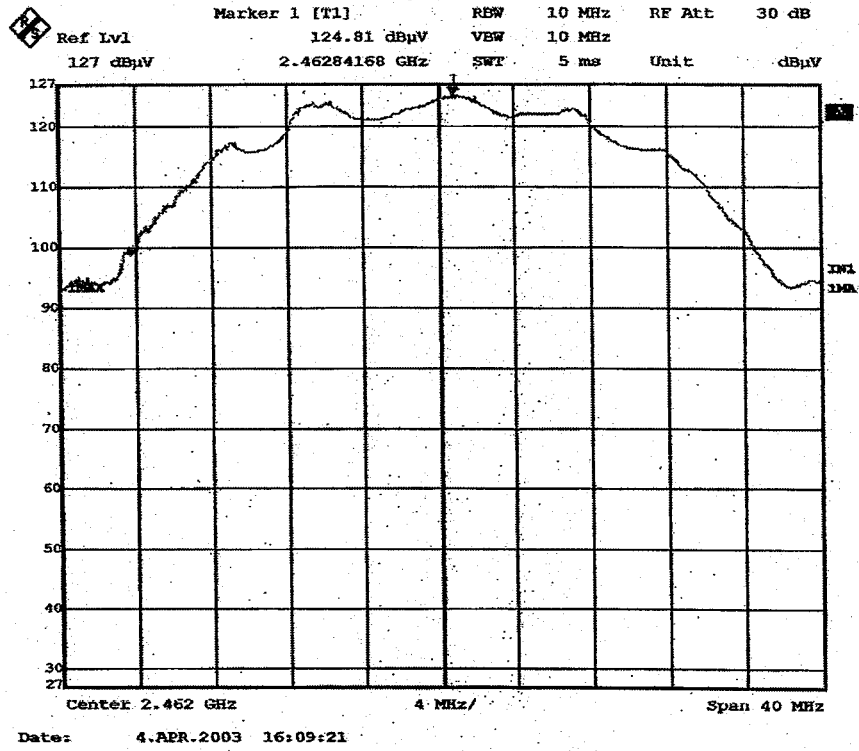
Peak Output Power(Conducted):Tx(ch1:2412MHz)



Peak Output Power(Conducted):Tx(ch6:2437MHz)



Peak Output Power(Conducted):Tx(Ch11:2462MHz)



DATA OF SPURIOUS EMISSIONS(30MHz to 1000MHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
 Equipment : DIGITAL AUDIO SERVER
 Model : MCX-1000
 Sample No. : N010123Y0
 Power : AC120V/60Hz
 Mode : Transmitting (CH1:2412MHz)
 FCC ID : A6RMCX1000A
 IC No. : 740B-MCX1000A
 Remarks : STANDARD-ANTENNA

REPORT NO : 23GE0067-HO-2
 REGULATION : Fcc Part15 Subpart C 15.247(c)
 TEST DISTANCE : 3 m
 DATE : 04/03/2003
 TEMPERATURE : 24°C
 HUMIDITY : 48%


 ENGINEER : Hiroka Umeyama

QP DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit QP [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]						[dBuV/m]			[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	42.931	30.6	32.3	13.6	32.4	7.2	0.0	19.0	20.7	40.0	21.0	19.3
1	99.966	-	31.6	9.9	32.2	8.2	0.0	-	17.5	43.5	-	26.0
2	101.585	38.9	-	10.2	32.2	8.2	0.0	25.1	-	43.5	18.4	-
3	125.273	32.0	32.1	13.7	32.0	8.4	0.0	22.1	22.2	43.5	21.4	21.3
4	293.504	32.7	30.6	19.5	32.1	9.7	0.0	29.8	27.7	46.0	16.2	18.3
5	338.661	38.0	33.5	15.8	32.3	10.1	0.0	31.6	27.1	46.0	14.4	18.9
6	437.660	40.3	37.9	18.1	32.2	10.7	0.0	36.9	34.5	46.0	9.1	11.5
7	984.775	29.9	34.2	24.3	32.0	13.2	0.0	35.4	39.7	54.0	18.6	14.3

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SPURIOUS EMISSIONS(30MHz to 1000MHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
 Equipment : DIGITAL AUDIO SERVER
 Model : MCX-1000
 Sample No. : N010123Y0
 Power : AC120V/60Hz
 Mode : Transmitting (CH6:2437MHz)
 FCC ID : A6RMCX1000A
 IC No. : 740B-MCX1000A
 Remarks : STANDARD-ANTENNA

REPORT NO : 23GE0067-HO- **2**
 REGULATION : Fcc Part15 Subpart C 15.247(c)
 TEST DISTANCE : 3 m
 DATE : 04/03/2003
 TEMPERATURE : 24°C
 HUMIDITY : 48%


 ENGINEER : Hiroka Umeyama

QP DETECT

No.	FREQ	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit QP [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]							[dBuV/m]			[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	42.931	29.6	32.4	13.6	32.4	7.2	0.0	18.0	20.8	40.0	22.0	19.2
1	99.966	-	31.5	9.9	32.2	8.2	0.0	-	17.4	43.5	-	26.1
2	101.585	38.9	-	10.2	32.2	8.2	0.0	25.1	-	43.5	18.4	-
3	125.273	32.1	31.8	13.7	32.0	8.4	0.0	22.2	21.9	43.5	21.3	21.6
4	293.504	33.8	30.3	19.5	32.1	9.7	0.0	30.9	27.4	46.0	15.1	18.6
5	338.661	36.9	33.5	15.8	32.3	10.1	0.0	30.5	27.1	46.0	15.5	18.9
6	437.660	39.9	36.8	18.1	32.2	10.7	0.0	36.5	33.4	46.0	9.5	12.6
7	984.775	29.4	34.2	24.3	32.0	13.2	0.0	34.9	39.7	54.0	19.1	14.3

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SPURIOUS EMISSIONS(30MHz to 1000MHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
 Equipment : DIGITAL AUDIO SERVER
 Model : MCX-1000
 Sample No. : N010123Y0
 Power : AC120V/60Hz
 Mode : Transmitting (CH11:2462MHz)
 FCC ID : A6RMCX1000A
 IC No. : 740B-MCX1000A
 Remarks : STANDARD-ANTENNA

REPORT NO : 23GE0067-HO- **2**
 REGULATION : Fcc Part15 Subpart C 15.247(c)
 TEST DISTANCE : 3 m
 DATE : 04/03/2003
 TEMPERATURE : 24°C
 HUMIDITY : 48%


 ENGINEER : Hiroka Umeyama

QP DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit QP [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]						[dBuV/m]			[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	42.931	31.0	32.4	13.6	32.4	7.2	0.0	19.4	20.8	40.0	20.6	19.2
1	99.966	-	31.7	9.9	32.2	8.2	0.0	-	17.6	43.5	-	25.9
2	101.585	39.0	-	10.2	32.2	8.2	0.0	25.2	-	43.5	18.3	-
3	125.273	31.9	31.9	13.7	32.0	8.4	0.0	22.0	22.0	43.5	21.5	21.5
4	293.504	33.1	31.9	19.5	32.1	9.7	0.0	30.2	29.0	46.0	15.8	17.0
5	338.661	37.5	33.7	15.8	32.3	10.1	0.0	31.1	27.3	46.0	14.9	18.7
6	437.660	40.0	37.2	18.1	32.2	10.7	0.0	36.6	33.8	46.0	9.4	12.2
7	984.775	29.2	34.3	24.3	32.0	13.2	0.0	34.7	39.8	54.0	19.3	14.2

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

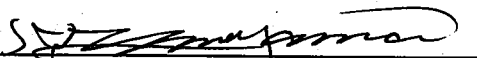
DATA OF SPURIOUS EMISSIONS(30MHz to 1000MHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
 Equipment : DIGITAL AUDIO SERVER
 Model : MCX-1000
 Sample No. : N010123Y0
 Power : AC120V/60Hz
 Mode : Transmitting (CH1:2412MHz)
 FCC ID : A6RMCX1000A
 IC No. : 740B-MCX1000A
 Remarks : EXT-ANTENNA

REPORT NO : 23GE0067-HO- **2**
 REGULATION : Fcc Part15 Subpart C 15.247(c)
 TEST DISTANCE : 3 m
 DATE : 04/03/2003
 TEMPERATURE : 24°C
 HUMIDITY : 48%


 ENGINEER : Hiroka Umeyama

QP DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	QP	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	42.931	29.6	30.7	13.6	32.4	7.2	0.0	18.0	19.1	40.0	22.0	20.9
1	99.966	-	32.8	9.9	32.2	8.2	0.0	-	18.7	43.5	-	24.8
2	101.585	39.3	-	10.2	32.2	8.2	0.0	25.5	-	43.5	18.0	-
3	293.504	34.3	30.3	19.5	32.1	9.7	0.0	31.4	27.4	46.0	14.6	18.6
4	338.661	38.0	32.9	15.8	32.3	10.100	0.0	31.6	26.5	46.0	14.4	19.5
5	437.660	40.7	39.0	18.1	32.2	10.7	0.0	37.3	35.6	46.0	8.7	10.4
6	984.775	30.1	35.3	24.3	32.0	13.2	0.0	35.6	40.8	54.0	18.4	13.2

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SPURIOUS EMISSIONS(30MHz to 1000MHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
 Equipment : DIGITAL AUDIO SERVER
 Model : MCX-1000
 Sample No. : N010123Y0
 Power : AC120V/60Hz
 Mode : Transmitting (CH6:2437MHz)
 FCC ID : A6RMCX1000A
 IC No. : 740B-MCX1000A
 Remarks : EXT-ANTENNA

REPORT NO : 23GE0067-HO- 2
 REGULATION : Fcc Part15 Subpart C 15.247(c)
 TEST DISTANCE : 3 m
 DATE : 04/03/2003
 TEMPERATURE : 24°C
 HUMIDITY : 48%


 ENGINEER : Hiroka Umeyama

QK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit QP [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]						[dB]			[dB]	
Test distance 3meters- RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	42.931	30.1	31.2	13.6	32.4	7.2	0.0	18.5	19.6	40.0	21.5	20.4
1	101.585	39.2	30.8	10.2	32.2	8.2	0.0	25.4	17.0	43.5	18.1	26.5
2	293.504	33.3	29.9	19.5	32.1	9.7	0.0	30.4	27.0	46.0	15.6	19.0
3	338.661	37.6	32.8	15.8	32.3	10.1	0.0	31.2	26.4	46.0	14.8	19.6
4	437.660	41.0	38.1	18.1	32.2	10.7	0.0	37.6	34.7	46.0	8.4	11.3
5	638.020	-	27.8	19.9	32.8	11.7	0.0	-	26.6	46.0	-	19.4
6	984.774	29.7	35.2	24.3	32.0	13.2	0.0	35.2	40.7	54.0	18.8	13.3

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SPURIOUS EMISSIONS(30MHz to 1000MHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

Company : YAMAHA CORPORATION
 Equipment : DIGITAL AUDIO SERVER
 Model : MCX-1000
 Sample No. : N010123Y0
 Power : AC120V/60Hz
 Mode : Transmitting (CH11:2462MHz)
 FCC ID : A6RMCX1000A
 IC No. : 740B-MCX1000A
 Remarks : EXT-ANTENNA

REPORT NO : 23GE0067-HO- **2**
 REGULATION : Fcc Part15 Subpart C 15.247(c)
 TEST DISTANCE : 3 m
 DATE : 04/03/2003
 TEMPERATURE : 24°C
 HUMIDITY : 48%


 ENGINEER : Hiroka Umeyama

QP DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit QP [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	42.931	29.1	31.3	13.6	32.4	7.2	0.0	17.5	19.7	40.0	22.5	20.3
1	99.958	-	31.9	9.9	32.2	8.2	0.0	-	17.8	43.5	-	25.7
2	101.589	39.0	-	10.2	32.2	8.2	0.0	25.2	-	43.5	18.3	-
3	293.510	33.0	30.0	19.5	32.1	9.7	0.0	30.1	27.1	46.0	15.9	18.9
4	338.661	36.5	32.2	15.8	32.3	10.1	0.0	30.1	25.8	46.0	15.9	20.2
5	437.660	39.8	37.8	18.1	32.2	10.7	0.0	36.4	34.4	46.0	9.6	11.6
6	984.775	30.0	34.1	24.3	32.0	13.2	0.0	35.5	39.6	54.0	18.5	14.4

*Except for the above table : All other spurious emissions were less than 20dB for the limit.