DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd. ⇒ UL Apex Co., Ltd.
EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER
⇒ Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: YAMAHA CORPORATION	REPORT NO	: 23GE0067-HO- 2
Equipment	: DIGITAL AUDIO SERVER	REGULATION	: Fcc Part15 Subpart C 15.247(c)
Model	: MCX-1000	TEST DISTANCE	: 3 and 1 m
Sample No.	: N010123Y0	DATE	: 04/04/2003, 04/17/2003
Power	: AC120V/60Hz	TEMPERATURE	: 25, 23℃
Mode	: Transmiting (CH11:2462MHz)	HUMIDITY	: 35, 50%
FCC ID	: A6RMCX1000A		
IC No.	: 740B-MCX1000A		
Remarks	: STANDARD-ANTENNA		

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	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	1245.0	53.0	57.0	23.4	37.6	4.7	0.0	43.5	47.5	74.0	30.5	26.5
1	2483.5	65.9	50.1	30.7	36.9	6.4	0.0	66.1	50.3	74.0	7.9	23.7
2	4924.0	42.5	43.1	35.8	36.8	8.9	0.3	50.7	51.3	74.0	23.3	22.7
3	7386.0	43.8	43.6	37.9	36.6	10.8	0.2	56.1	55.9	74.0	17.9	18.1
4	9848.0	43.2	43.6	36.7	37.3	12.9	0.2	55.7	56.1	74.0	18.3	17.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12310.0	42.3	43.0	41.5	36.6	14.4	0.3	52.4	53.1	74.0	21.6	20.9
6	14772.0	42.6	42.3	43.2	35.6	16.1	0.3	57.1	56.8	74.0	16.9	17.2
7	17234.0	41.6	42.4	45.5	36.2	17.9	4.2	63.5	64.3	74.0	10.5	9.7
8	19696.0	43.9	43.5	40.8	36.0	19.0	0.0	58.2	57.8	74.0	15.8	16.2
9	22158.0	44.1	44.3	40.8	35.7	19.7	0.0	59.4	59.6	74.0	14.6	14.4
10	24620.0	45.0	45.0	40.5	36.9	21.1	0.0	60.2	60.2	74.0	13.8	13.8

AV DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	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	1245.0	45.2	50.7	23.4	37.6	4.7	0.0	35.7	41.2	54.0	18.3	12.8
1	2483.5	52.2	36.9	30.7	36.9	6.4	0.0	52.4	37.1	54.0	1.6	16.9
2	4924.0	30.2	30.2	35.8	36.8	8.9	0.3	38.4	38.4	54.0	15.6	15.6
3	7386.0	31.0	31.0	37.9	36.6	10.8	0.2	43.3	43.3	54.0	10.7	10.7
4	9848.0	31.1	31.1	36.7	37.3	12.9	0.2	43.6	43.6	54.0	10.4	10.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12310.0	30.5	30.4	41.5	36.6	14.4	0.3	40.6	40.5	54.0	13.4	13.5
6	14772.0	30.1	30.1	43.2	35.6	16.1	0.3	44.6	44.6	54.0	9.4	9.4
7	17234.0	29.7	29.7	45.5	36.2	17.9	4.2	51.6	51.6	54.0	2.4	2.4
8	19696.0	30.5	30.6	40.8	36.0	19.0	0.0	44.8	44.9	54.0	9.2	9.1
9	22158.0	31.7	31.7	40.8	35.7	19.7	0.0	47.0	47.0	54.0	7.0	7.0
10	24620.0	32.0	32.5	40.5	36.9	21.1	0.0	47.2	47.7	54.0	6.8	6.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd. ⇒ UL Apex Co., Ltd.
EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER
⇒ Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: YAMAHA CORPORATION	REPORT NO	: 23GE0067-HO-2
Equipment	: DIGITAL AUDIO SERVER	REGULATION	: Fcc Part15 Subpart C 15.247(c)
Model	: MCX-1000	TEST DISTANCE	: 3 and 1 m
Sample No.	: N010123Y0	DATE	: 04/04/2003, 04/17/2003
Power	: AC120V/60Hz	TEMPERATURE	: 25, 23℃
Mode	: Transmiting (CH1:2412MHz)	HUMIDITY	: 35, 50%
FCC ID	: A6RMCX1000A		
IC No.	: 740B-MCX1000A		
Remarks	: STANDARD-ANTENNA		

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit PK	MARGIN HOR	MARGIN 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	1245.0	50.2	58.0	23.4	37.6	4.7	0.0	40.7	48.5	74.0	33.3	25.5
1	2390.0	58.9	50.1	30.7	36.9	6.3	0.0	59.0	50.2	74.0	15.0	23.8
2	4824.0	42.7	42.5	35.2	36.8	8.8	0.3	50.2	50.0	74.0	23.8	24.0
3	7236.0	43.9	43.4	37.6	36.5	10.7	0.2	55.9	55.4	74.0	18.1	18.6
4	9648.0	43.9	43.8	37.3	37.2	12.7	0.2	56.9	56.8	74.0	17.1	17.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12060.0	43.7	43.1	40.7	36.8	14.3	0.3	52.7	52.1	74.0	21.3	21.9
6	14472.0	42.0	42.6	42.9	35.4	15.8	0.3	56.1	56.7	74.0	17.9	17.3
7	16884.0	42.7	43.0	45.3	36.4	17.6	2.6	62.3	62.6	74.0	11.7	11.4
8	19296.0	43.0	43.0	40.9	35.9	18.9	0.0	57.4	57.4	74.0	16.6	16.6
9	21708.0	44.5	44.7	40.9	36.6	19.6	0.0	58.9	59.1	74.0	15.1	14.9
10	24120.0	45.2	45.2	40.4	36.5	20.9	0.0	60.5	60.5	74.0	13.5	13.5

AV DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit AV	MARGIN HOR	MARGIN 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	1245.0	42.9	51.7	23.4	37.6	4.7	0.0	33.4	42.2	54.0	20.6	11.8
1	2390.0	45.0	37.9	30.7	36.9	6.3	0.0	45.1	38.0	54.0	8.9	16.0
2	4824.0	30.3	30.3	35.2	36.8	8.8	0.3	37.8	37.8	54.0	16.2	16.2
3	7236.0	31.0	30.9	37.6	36.5	10.7	0.2	43.0	42.9	54.0	11.0	11.1
4	9648.0	31.2	31.2	37.3	37.2	12.7	0.2	44.2	44.2	54.0	9.8	9.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12060.0	30.6	30.6	40.7	36.8	14.3	0.3	39.6	39.6	54.0	14.4	14.4
6	14472.0	30.0	30.1	42.9	35.4	15.8	0.3	44.1	44.2	54.0	9.9	9.8
7	16884.0	30.1	30.1	45.3	36.4	17.6	2.6	49.7	49.7	54.0	4.3	4.3
8	19296.0	30.1	30.2	40.9	35.9	18.9	0.0	44.5	44.6	54.0	9.5	9.4
9	21708.0	31.2	31.7	40.9	36.6	19.6	0.0	45.6	46.1	54.0	8.4	7.9
10	24120.0	32.1	32.1	40.4	36.5	20.9	0.0	47.4	47.4	54.0	6.6	6.6

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

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A-Pex International Co., Ltd. ⇒ UL Apex Co., Ltd.
EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER
⇒ Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: YAMAHA CORPORATION	REPORT NO	: 23GE0067-HO-2
Equipment	: DIGITAL AUDIO SERVER	REGULATION	: Fcc Part15 Subpart C 15.247(c)
Model	: MCX-1000	TEST DISTANCE	: 3 and 1 m
Sample No.	: N010123Y0	DATE	: 04/04/2003, 04/17/2003
Power	: AC120V/60Hz	TEMPERATURE	: 25, 23℃
Mode	: Transmiting (CH6:2437MHz)	HUMIDITY	: 35, 50%
FCC ID	: A6RMCX1000A		
IC No.	: 740B-MCX1000A		
Remarks	: STANDARD-ANTENNA		

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit PK	MARGIN HOR	MARGIN 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												
1	1245.0	52.6	53.8	23.4	37.6	4.7	0.0	43.1	44.3	74.0	30.9	29.7
2	4874.0	42.7	42.8	35.5	36.8	8.8	0.3	50.5	50.6	74.0	23.5	23.4
3	7311.0	43.5	43.8	37.7	36.6	10.8	0.2	55.6	55.9	74.0	18.4	18.1
4	9748.0	43.9	43.2	37.0	37.2	12.8	0.2	56.7	56.0	74.0	17.3	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	43.0	43.5	41.1	36.7	14.4	0.3	52.6	53.1	74.0	21.4	20.9
6	14622.0	42.8	42.4	43.1	35.5	15.9	0.3	57.1	56.7	74.0	16.9	17.3
7	17059.0	42.0	41.9	45.5	36.3	17.8	3.3	62.8	62.7	74.0	11.2	11.3
8	19496.0	43.7	43.2	40.6	36.0	19.0	0.0	57.8	57.3	74.0	16.2	16.7
9	21933.0	46.5	46.1	40.9	36.9	19.6	0.0	60.6	60.2	74.0	13.4	13.8
10	24370.0	45.0	45.0	40.5	36.9	21.0	0.0	60.1	60.1	74.0	13.9	13.9

AV DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit AV	MARGIN HOR	MARGIN 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												
1	1245.0	43.2	49.9	23.4	37.6	4.7	0.0	33.7	40.4	54.0	20.3	13.6
2	4874.0	30.1	30.1	35.5	36.8	8.8	0.3	37.9	37.9	54.0	16.1	16.1
3	7311.0	31.0	31.0	37.7	36.6	10.8	0.2	43.1	43.1	54.0	10.9	10.9
4	9748.0	31.0	31.0	37.0	37.2	12.8	0.2	43.8	43.8	54.0	10.2	10.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	30.5	30.6	41.1	36.7	14.4	0.3	40.1	40.2	54.0	13.9	13.8
6	14622.0	30.4	30.4	43.1	35.5	15.9	0.3	44.7	44.7	54.0	9.3	9.3
7	17059.0	29.8	29.9	45.5	36.3	17.8	3.3	50.6	50.7	54.0	3.4	3.3
8	19496.0	30.2	30.1	40.6	36.0	19.0	0.0	44.3	44.2	54.0	9.7	9.8
9	21933.0	33.0	33.2	40.9	36.9	19.6	0.0	47.1	47.3	54.0	6.9	6.7
10	24370.0	31.7	31.7	40.5	36.9	21.0	0.0	46.8	46.8	54.0	7.2	7.2

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd. ⇒ UL Apex Co., Ltd.
EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER
⇒ Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: YAMAHA CORPORATION	REPORT NO	: 23GE0067-HO-2
Equipment	: DIGITAL AUDIO SERVER	REGULATION	: Fcc Part15 Subpart C 15.247(c)
Model	: MCX-1000	TEST DISTANCE	: 3 and 1 m
Sample No.	: N010123Y0	DATE	: 04/04/2003, 04/17/2003
Power	: AC120V/60Hz	TEMPERATURE	: 25, 23℃
Mode	: Transmiting (CH1:2412MHz)	HUMIDITY	: 35, 50%
FCC ID	: A6RMCX1000A		
IC No.	: 740B-MCX1000A		
Remarks	: EXT-ANTENNA		

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING HOR [dBuV/m]	T/R READING VER [dBuV/m]	ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m]	RESULT VER [dBuV/m]	Limit PK [dBuV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1245.0	49.8	54.3	23.4	37.6	4.7	0.0	40.3	44.8	74.0	33.7	29.2
1	2390.0	47.8	55.0	30.7	36.9	6.3	0.0	47.9	55.1	74.0	26.1	18.9
2	4824.0	44.2	43.0	35.2	36.8	8.8	0.3	51.7	50.5	74.0	22.3	23.5
3	7236.0	43.9	43.2	37.6	36.5	10.7	0.2	55.9	55.2	74.0	18.1	18.8
4	9648.0	43.9	44.2	37.3	37.2	12.7	0.2	56.9	57.2	74.0	17.1	16.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12060.0	44.7	44.5	40.7	36.8	14.3	0.3	53.7	53.5	74.0	20.3	20.5
6	14472.0	44.3	44.3	42.9	35.4	15.8	0.3	58.4	58.4	74.0	15.6	15.6
7	16884.0	44.2	44.8	45.3	36.4	17.6	2.6	63.8	64.4	74.0	10.2	9.6
8	19296.0	43.0	43.0	40.9	35.9	18.9	0.0	57.4	57.4	74.0	16.6	16.6
9	21708.0	44.6	44.8	40.9	36.6	19.6	0.0	59.0	59.2	74.0	15.0	14.8
10	24120.0	45.3	45.3	40.4	36.5	20.9	0.0	60.6	60.6	74.0	13.4	13.4

AV DETECT

No.	FREQ [MHz]	T/R READING HOR [dBuV/m]	T/R READING VER [dBuV/m]	ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m]	RESULT VER [dBuV/m]	Limit AV [dBuV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1245.0	39.3	47.6	23.4	37.6	4.7	0.0	29.8	38.1	54.0	24.2	15.9
1	2390.0	33.2	42.3	30.7	36.9	6.3	0.0	33.3	42.4	54.0	20.7	11.6
2	4824.0	30.6	30.5	35.2	36.8	8.8	0.3	38.1	38.0	54.0	15.9	16.0
3	7236.0	31.0	31.0	37.6	36.5	10.7	0.2	43.0	43.0	54.0	11.0	11.0
4	9648.0	31.3	31.2	37.3	37.2	12.7	0.2	44.3	44.2	54.0	9.7	9.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12060.0	31.5	31.4	40.7	36.8	14.3	0.3	40.5	40.4	54.0	13.5	13.6
6	14472.0	30.7	30.7	42.9	35.4	15.8	0.3	44.8	44.8	54.0	9.2	9.2
7	16884.0	30.9	30.9	45.3	36.4	17.6	2.6	50.5	50.5	54.0	3.5	3.5
8	19296.0	30.3	30.3	40.9	35.9	18.9	0.0	44.7	44.7	54.0	9.3	9.3
9	21708.0	31.9	31.8	40.9	36.6	19.6	0.0	46.3	46.2	54.0	7.7	7.8
10	24120.0	32.2	32.2	40.4	36.5	20.9	0.0	47.5	47.5	54.0	6.5	6.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

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A-Pex International Co., Ltd. ⇒ UL Apex Co., Ltd.
EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER
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Company	: YAMAHA CORPORATION	REPORT NO	: 23GE0067-HO- 2
Equipment	: DIGITAL AUDIO SERVER	REGULATION	: Fcc Part15 Subpart C 15.247(c)
Model	: MCX-1000	TEST DISTANCE	: 3 and 1 m
Sample No.	: N010123Y0	DATE	: 04/04/2003, 04/17/2003
Power	: AC120V/60Hz	TEMPERATURE	: 25, 23℃
Mode	: Transmiting (CH6:2437MHz)	HUMIDITY	: 35, 50%
FCC ID	: A6RMCX1000A		
IC No.	: 740B-MCX1000A		
Remarks	: EXT-ANTENNA		

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit PK	MARGIN HOR	MARGIN 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												
1	1245.0	50.2	55.9	23.4	37.6	4.7	0.0	40.7	46.4	74.0	33.3	27.6
2	4874.0	42.8	43.1	35.5	36.8	8.8	0.3	50.6	50.9	74.0	23.4	23.1
3	7311.0	43.6	44.2	37.7	36.6	10.8	0.2	55.7	56.3	74.0	18.3	17.7
4	9748.0	44.2	43.7	37.0	37.2	12.8	0.2	57.0	56.5	74.0	17.0	17.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	44.2	44.4	41.1	36.7	14.4	0.3	53.8	54.0	74.0	20.2	20.0
6	14622.0	44.0	44.0	43.1	35.5	15.9	0.3	58.3	58.3	74.0	15.7	15.7
7	17059.0	43.6	43.8	45.5	36.3	17.8	3.3	64.4	64.6	74.0	9.6	9.4
8	19496.0	43.8	43.6	40.6	36.0	19.0	0.0	57.9	57.7	74.0	16.1	16.3
9	21933.0	46.6	46.6	40.9	36.9	19.6	0.0	60.7	60.7	74.0	13.3	13.3
10	24370.0	45.2	45.1	40.5	36.9	21.0	0.0	60.3	60.2	74.0	13.7	13.8

AV DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit AV	MARGIN HOR	MARGIN 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												
1	1245.0	42.3	48.3	23.4	37.6	4.7	0.0	32.8	38.8	54.0	21.2	15.2
2	4874.0	30.2	30.2	35.5	36.8	8.8	0.3	38.0	38.0	54.0	16.0	16.0
3	7311.0	31.2	31.2	37.7	36.6	10.8	0.2	43.3	43.3	54.0	10.7	10.7
4	9748.0	31.1	31.1	37.0	37.2	12.8	0.2	43.9	43.9	54.0	10.1	10.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	31.3	31.3	41.1	36.7	14.4	0.3	40.9	40.9	54.0	13.1	13.1
6	14622.0	30.9	31.0	43.1	35.5	15.9	0.3	45.2	45.3	54.0	8.8	8.7
7	17059.0	30.6	30.6	45.5	36.3	17.8	3.3	51.4	51.4	54.0	2.6	2.6
8	19496.0	30.3	30.3	40.6	36.0	19.0	0.0	44.4	44.4	54.0	9.6	9.6
9	21933.0	33.4	33.4	40.9	36.9	19.6	0.0	47.5	47.5	54.0	6.5	6.5
10	24370.0	31.9	31.9	40.5	36.9	21.0	0.0	47.0	47.0	54.0	7.0	7.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd. ⇒ UL Apex Co., Ltd.
EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER
⇒ Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: YAMAHA CORPORATION	REPORT NO	: 23GE0067-HO-2
Equipment	: DIGITAL AUDIO SERVER	REGULATION	: Fcc Part15 Subpart C 15.247(c)
Model	: MCX-1000	TEST DISTANCE	: 3 and 1 m
Sample No.	: N010123Y0	DATE	: 04/04/2003, 04/17/2003
Power	: AC120V/60Hz	TEMPERATURE	: 25, 23℃
Mode	: Transmiting (CH11:2462MHz)	HUMIDITY	: 35, 50%
FCC ID	: A6RMCX1000A		
IC No.	: 740B-MCX1000A		
Remarks	: EXT-ANTENNA		

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	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	1245.0	53.0	53.0	23.4	37.6	4.7	0.0	43.5	43.5	74.0	30.5	30.5
1	2483.5	51.9	63.9	30.7	36.9	6.4	0.0	52.1	64.1	74.0	21.9	9.9
2	4924.0	43.6	43.6	35.8	36.8	8.9	0.3	51.8	51.8	74.0	22.2	22.2
3	7386.0	44.3	43.6	37.9	36.6	10.8	0.2	56.6	55.9	74.0	17.4	18.1
4	9848.0	44.1	44.2	36.7	37.3	12.9	0.2	56.6	56.7	74.0	17.4	17.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12310.0	44.1	44.0	41.5	36.6	14.4	0.3	54.2	54.1	74.0	19.8	19.9
6	14772.0	43.7	42.9	43.2	35.6	16.1	0.3	58.2	57.4	74.0	15.8	16.6
7	17234.0	43.2	44.2	45.5	36.2	17.9	4.2	65.1	66.1	74.0	8.9	7.9
8	19696.0	44.0	43.6	40.8	36.0	19.0	0.0	58.3	57.9	74.0	15.7	16.1
9	22158.0	44.5	44.5	40.8	35.7	19.7	0.0	59.8	59.8	74.0	14.2	14.2
10	24620.0	45.4	45.1	40.5	36.9	21.1	0.0	60.6	60.3	74.0	13.4	13.7

AV DETECT

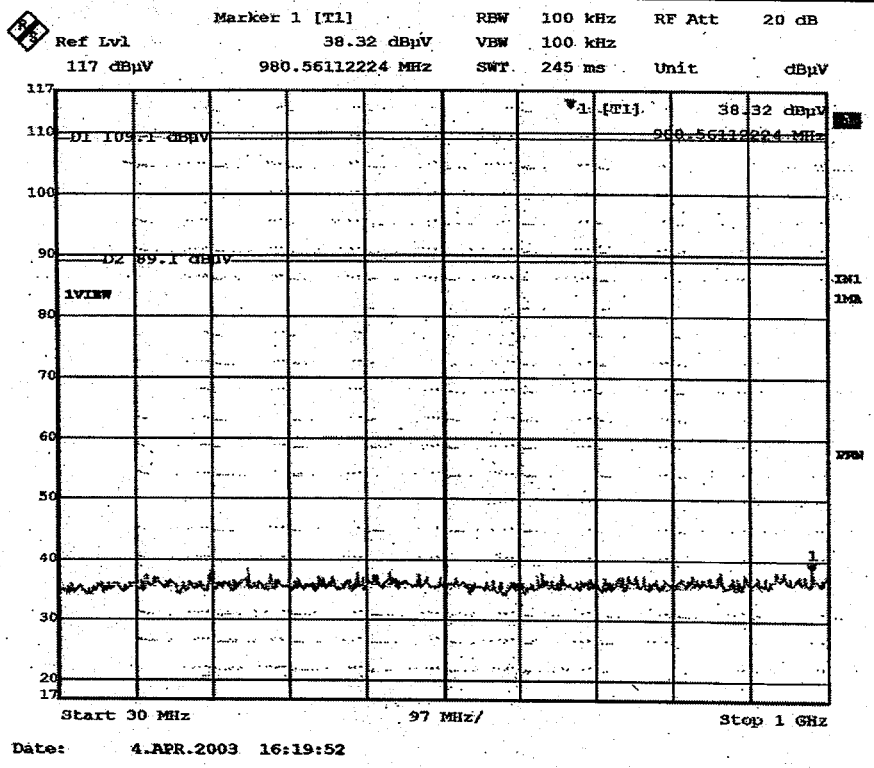
No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1245.0	46.5	45.9	23.4	37.6	4.7	0.0	37.0	36.4	54.0	17.0	17.6
1	2483.5	37.2	50.4	30.7	36.9	6.4	0.0	37.4	50.6	54.0	16.6	3.4
2	4924.0	30.6	30.0	35.8	36.8	8.9	0.3	38.8	38.2	54.0	15.2	15.8
3	7386.0	31.1	31.1	37.9	36.6	10.8	0.2	43.4	43.4	54.0	10.6	10.6
4	9848.0	30.7	31.0	36.7	37.3	12.9	0.2	43.2	43.5	54.0	10.8	10.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12310.0	31.2	31.1	41.5	36.6	14.4	0.3	41.3	41.2	54.0	12.7	12.8
6	14772.0	30.7	30.7	43.2	35.6	16.1	0.3	45.2	45.2	54.0	8.8	8.8
7	17234.0	29.7	29.7	45.5	36.2	17.9	4.2	51.6	51.6	54.0	2.4	2.4
8	19696.0	30.7	30.7	40.8	36.0	19.0	0.0	45.0	45.0	54.0	9.0	9.0
9	22158.0	31.9	31.9	40.8	35.7	19.7	0.0	47.2	47.2	54.0	6.8	6.8
10	24620.0	32.4	32.3	40.5	36.9	21.1	0.0	47.6	47.5	54.0	6.4	6.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

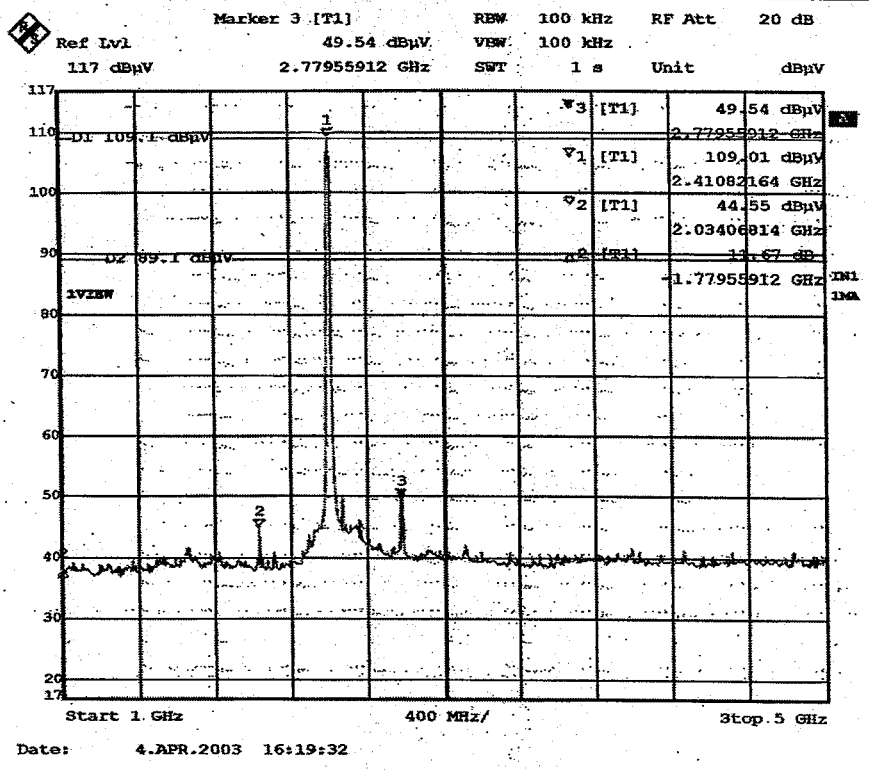
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

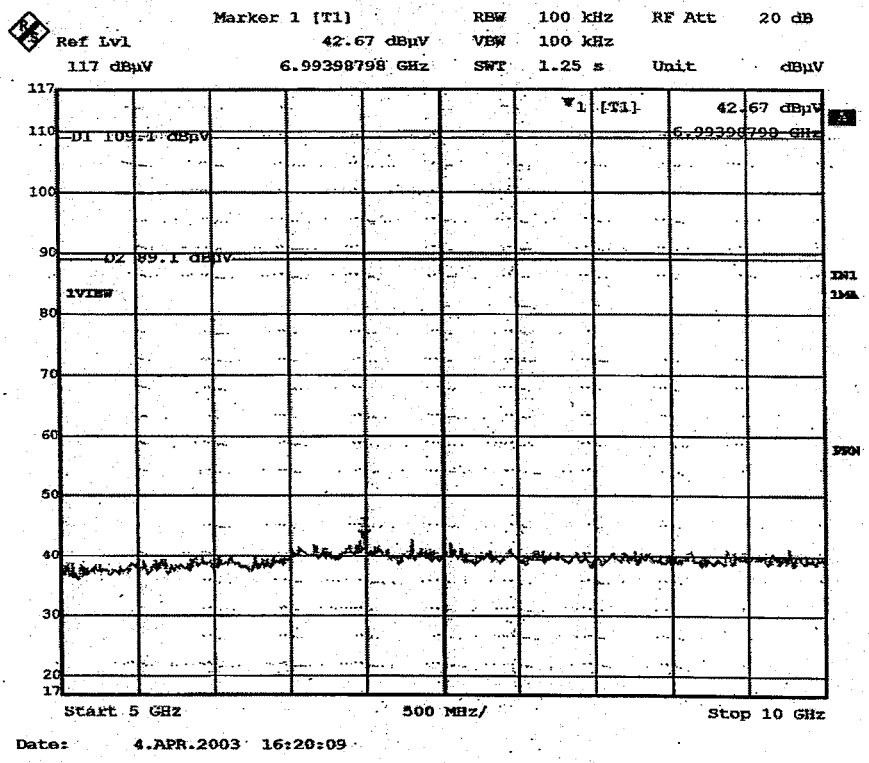
Out of Band Emission(Conducted) :Tx(Ch1:2412MHz)30MHz-1GHz



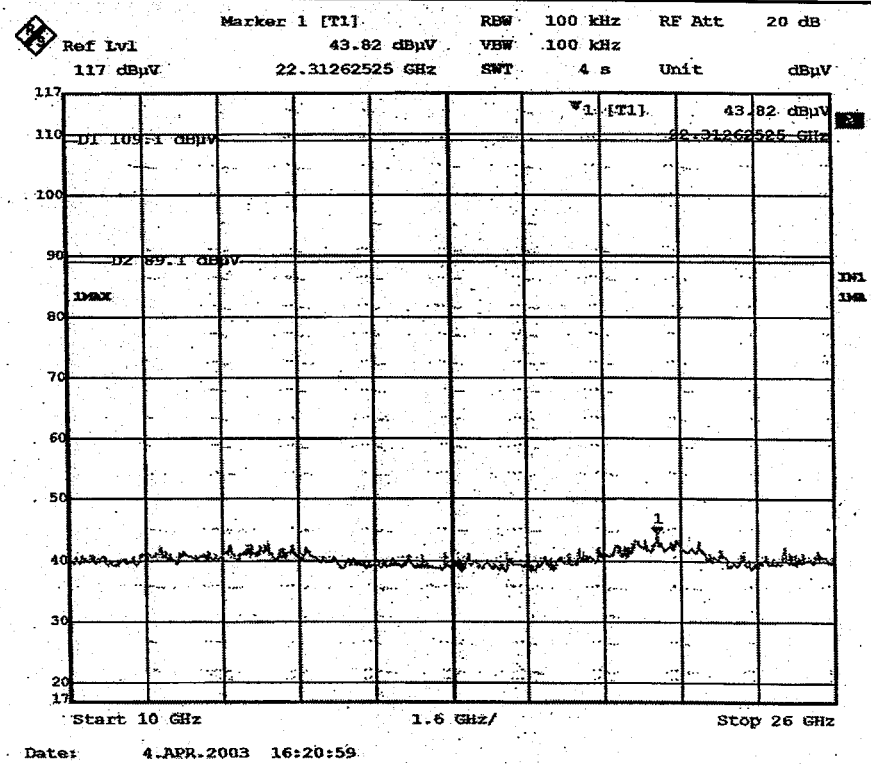
Out of Band Emission(Conducted) :Tx(Ch1:2412MHz)1GHz-5GHz



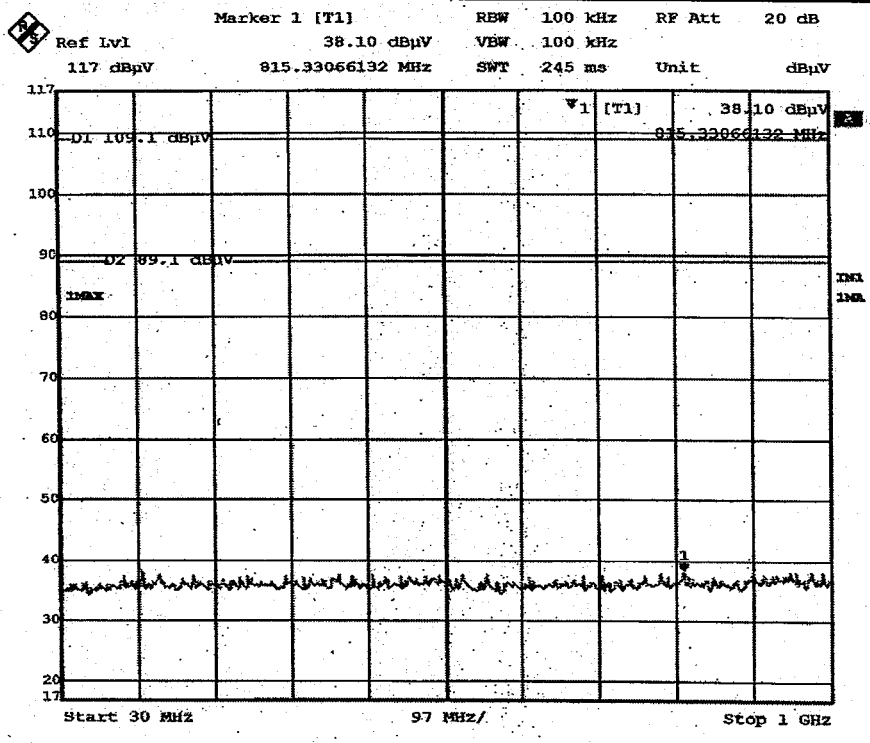
Out of Band Emission(Conducted) :Tx(Ch1:2412MHz)5GHz-10GHz



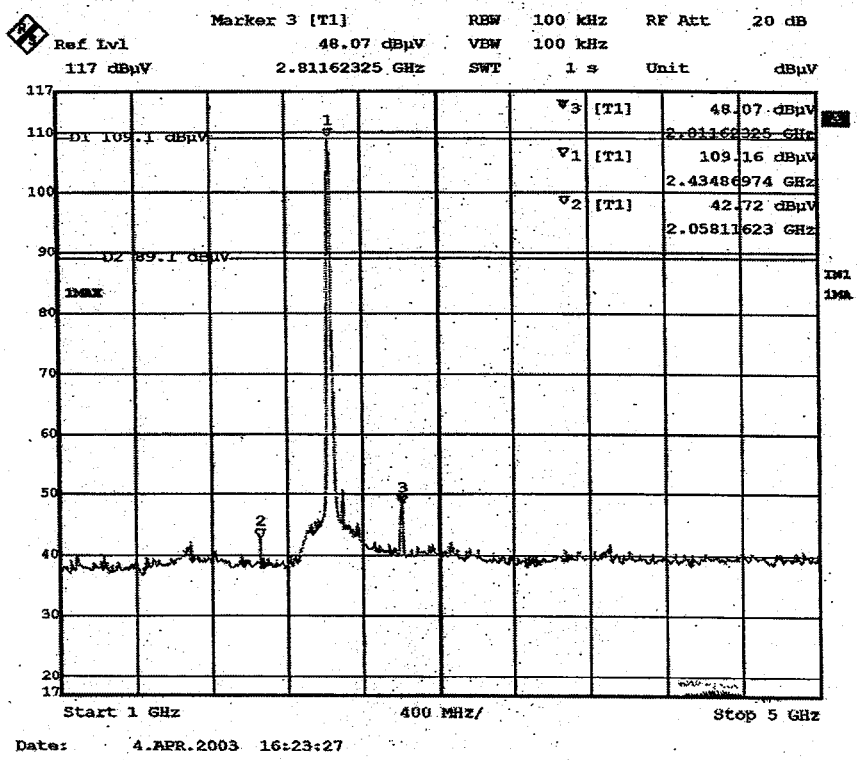
Out of Band Emission(Conducted) :Tx(Ch1:2412MHz)10GHz-26GHz



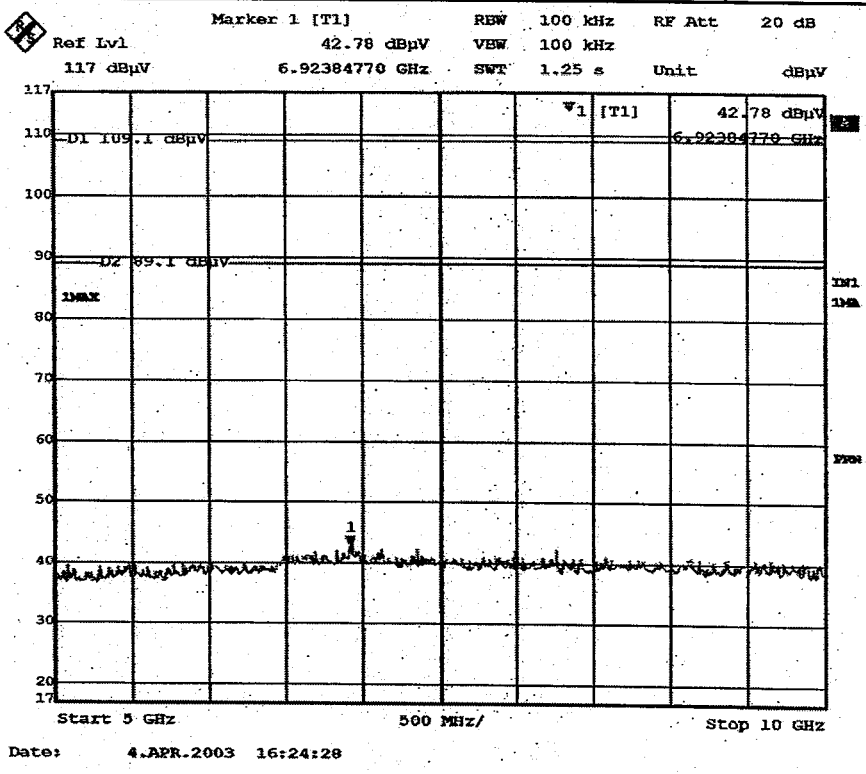
Out of Band Emission(Conducted) :Tx(Ch6:2437MHz)30MHz-1GHz



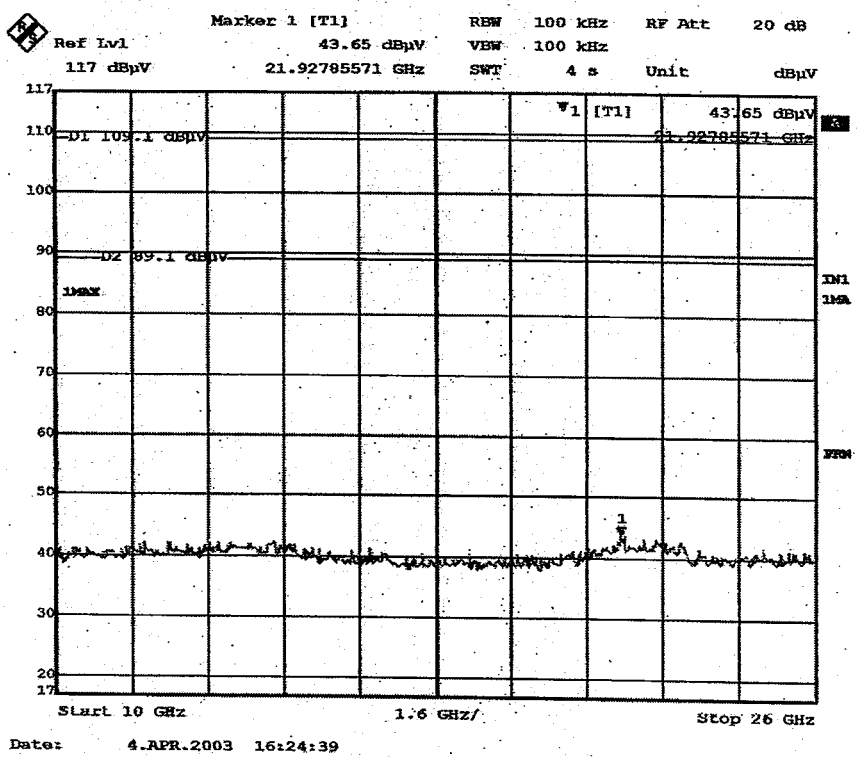
Out of Band Emission(Conducted) :Tx(Ch6:2437MHz)1GHz-5GHz



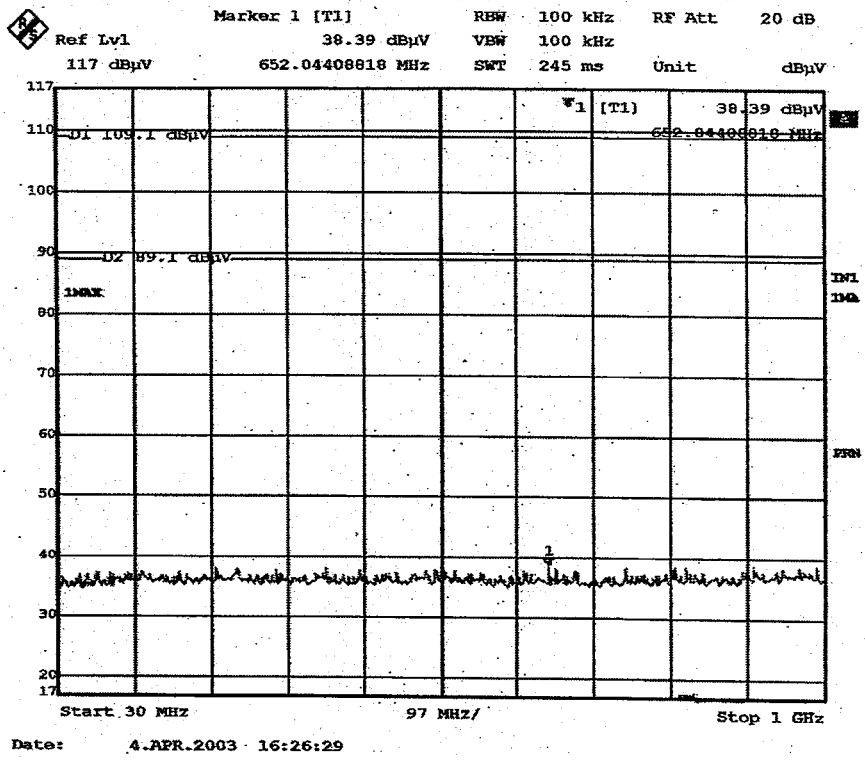
Out of Band Emission(Conducted) :Tx(Ch6:2437MHz)5GHz-10GHz



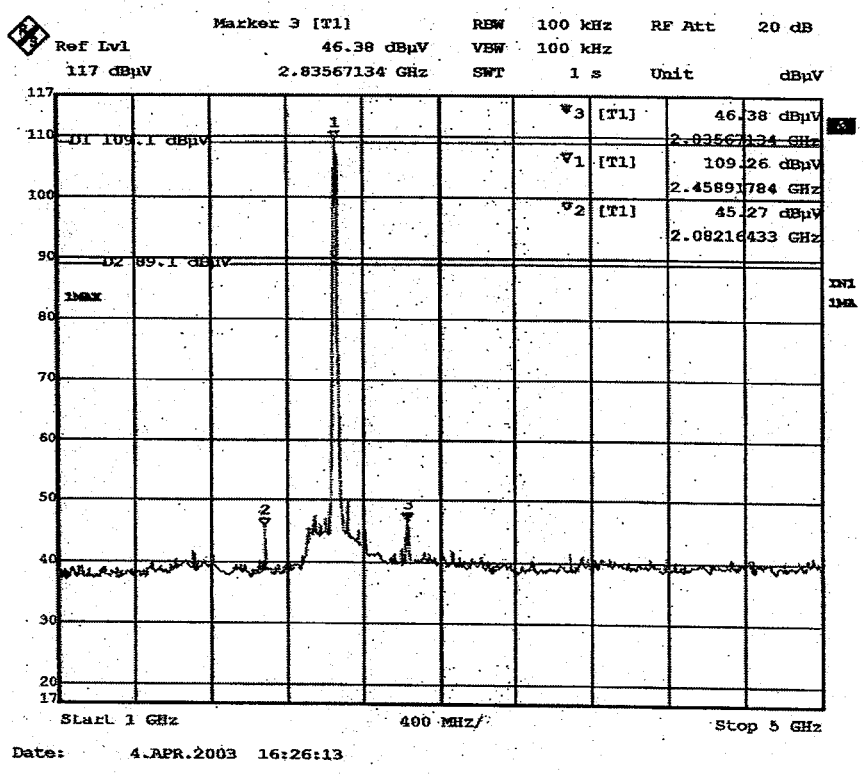
Out of Band Emission(Conducted) :Tx(Ch6:2437MHz)10GHz-26GHz



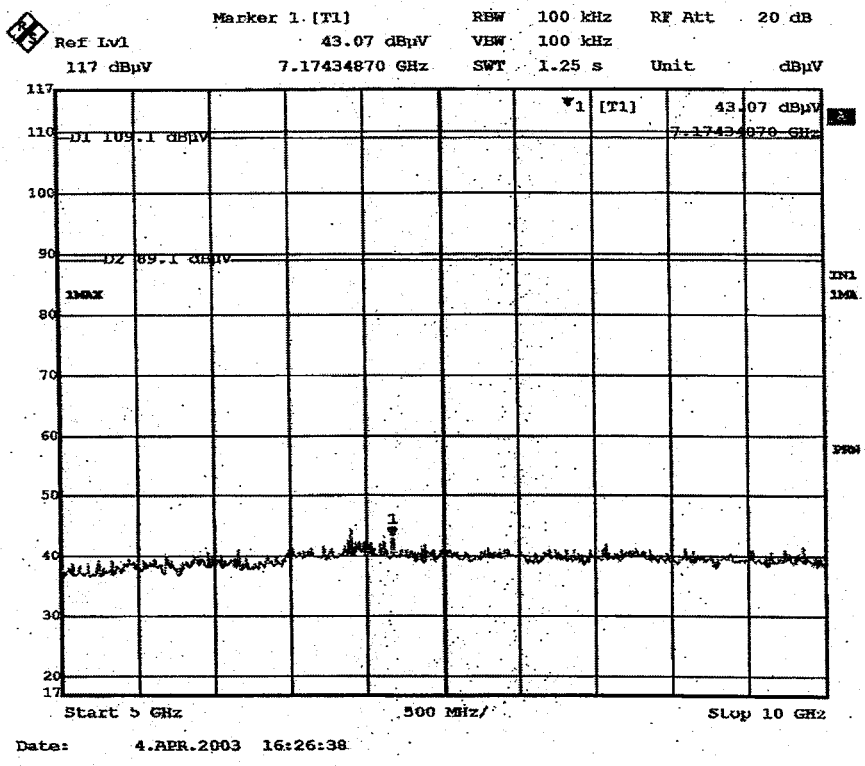
Out of Band Emission(Conducted) :Tx(Ch11:2462MHz)30MHz-1GHz



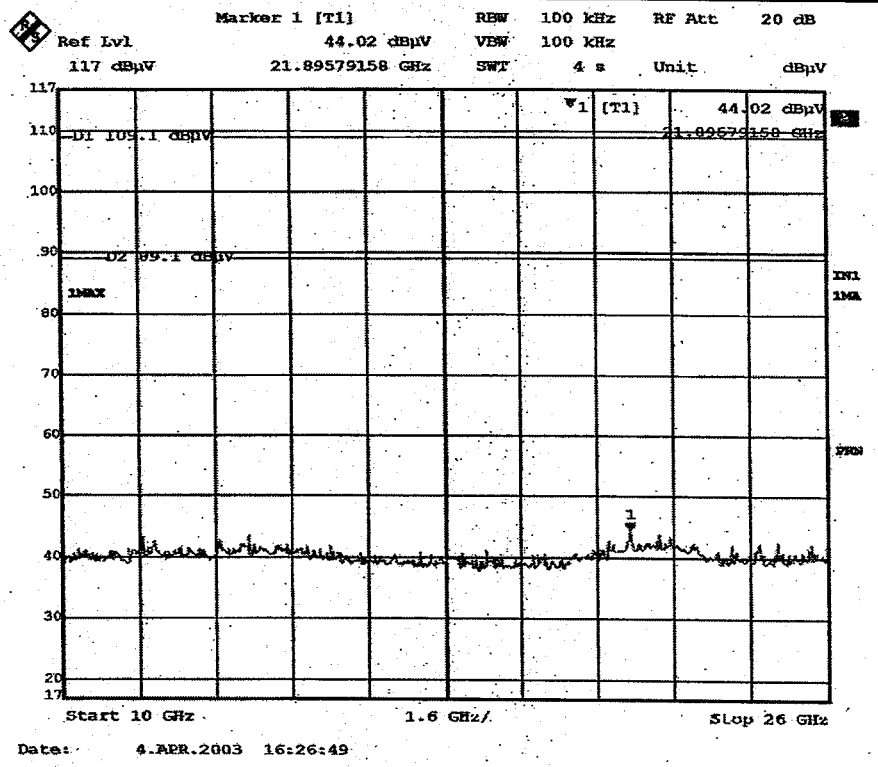
Out of Band Emission(Conducted) :Tx(Ch11:2462MHz)1GHz-5GHz



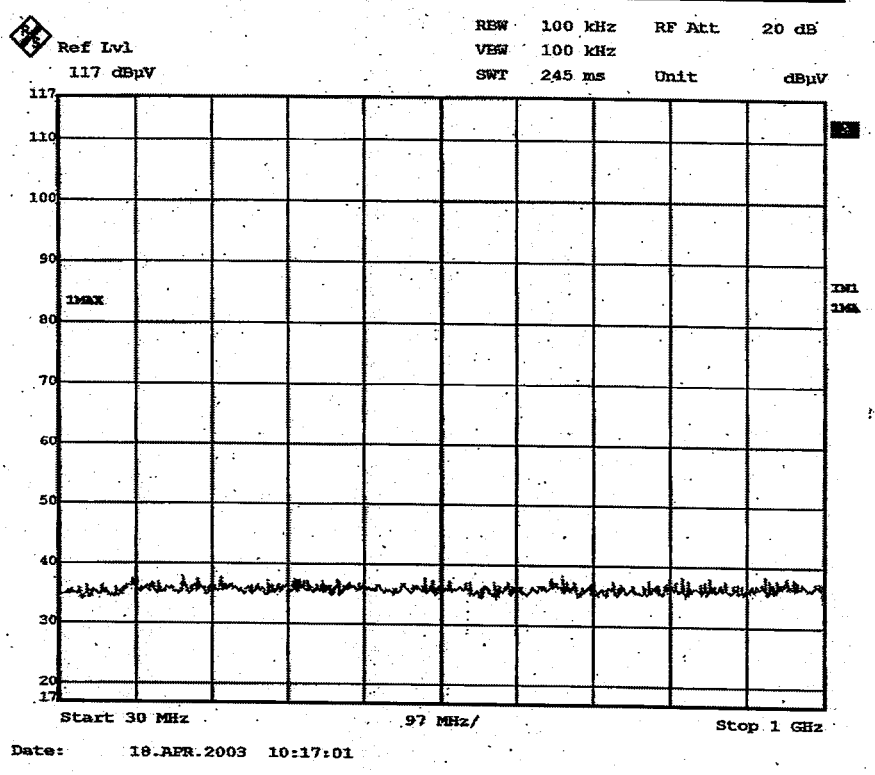
Out of Band Emission(Conducted) :Tx(Ch11:2462MHz)5GHz-10GHz



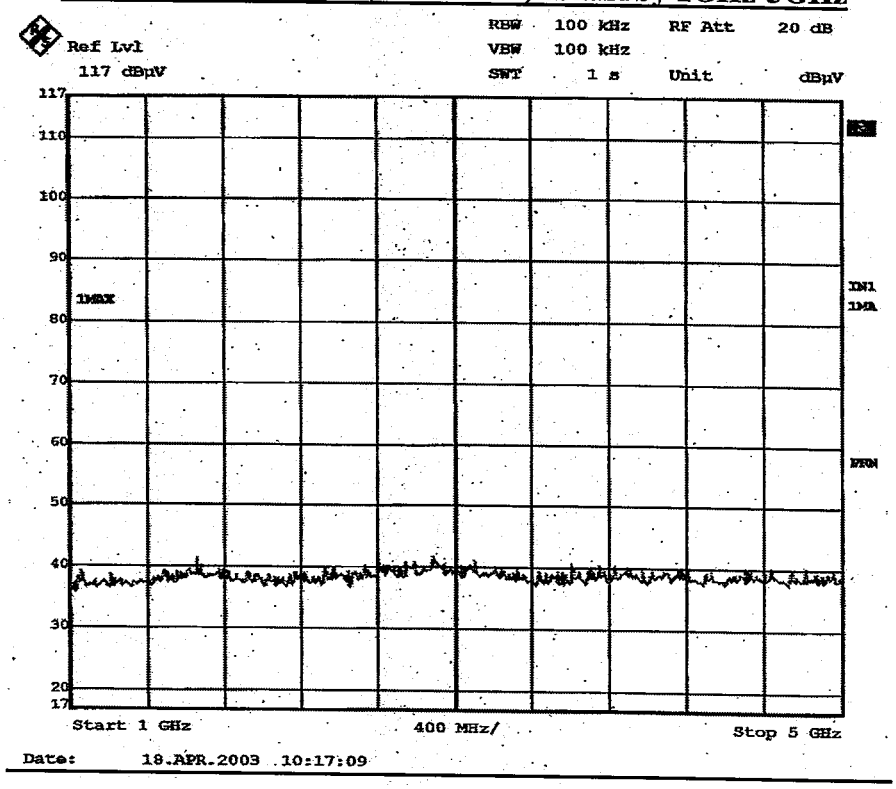
Out of Band Emission(Conducted) :Tx(Ch11:2462MHz)10GHz-26GHz



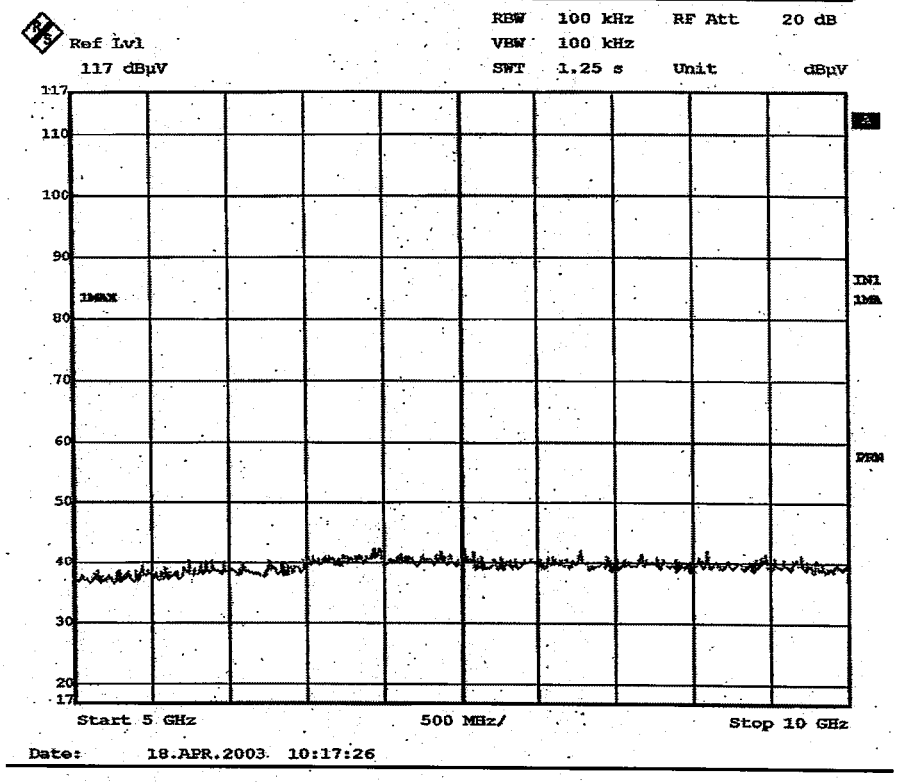
Out of Band Emission(Conducted) :Standby 30MHz-1GHz



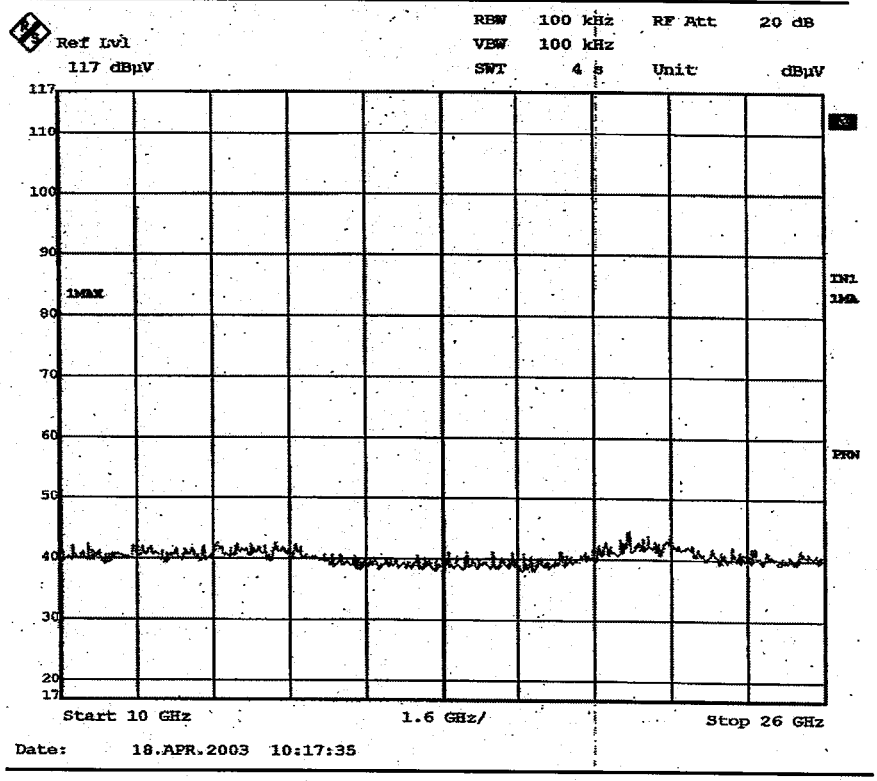
Out of Band Emission(Conducted) :Standby 1GHz-5GHz



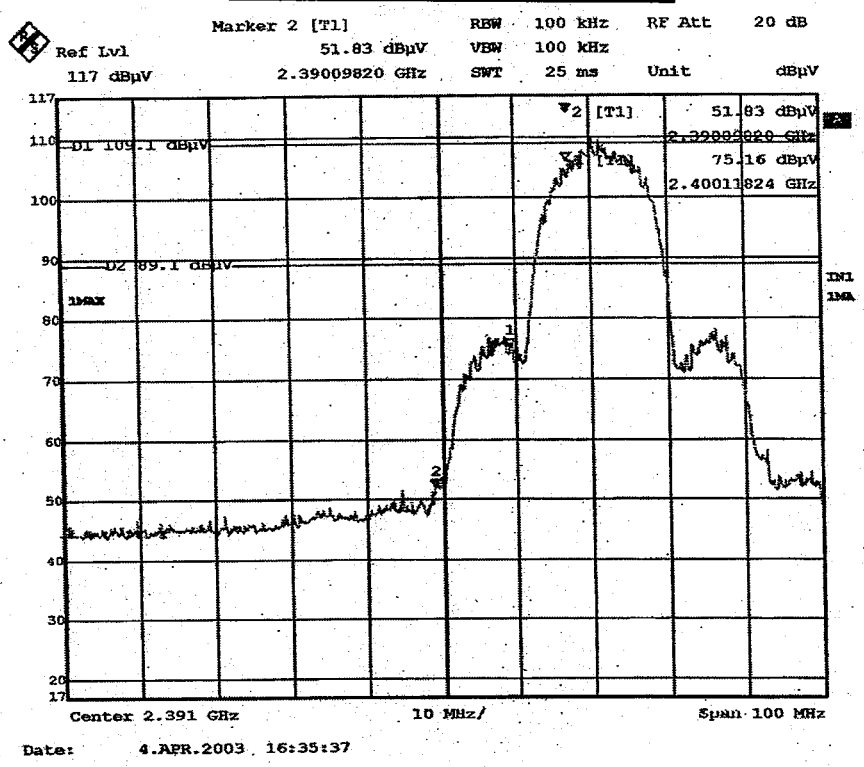
Out of Band Emission(Conducted) :Standby 5GHz-10GHz



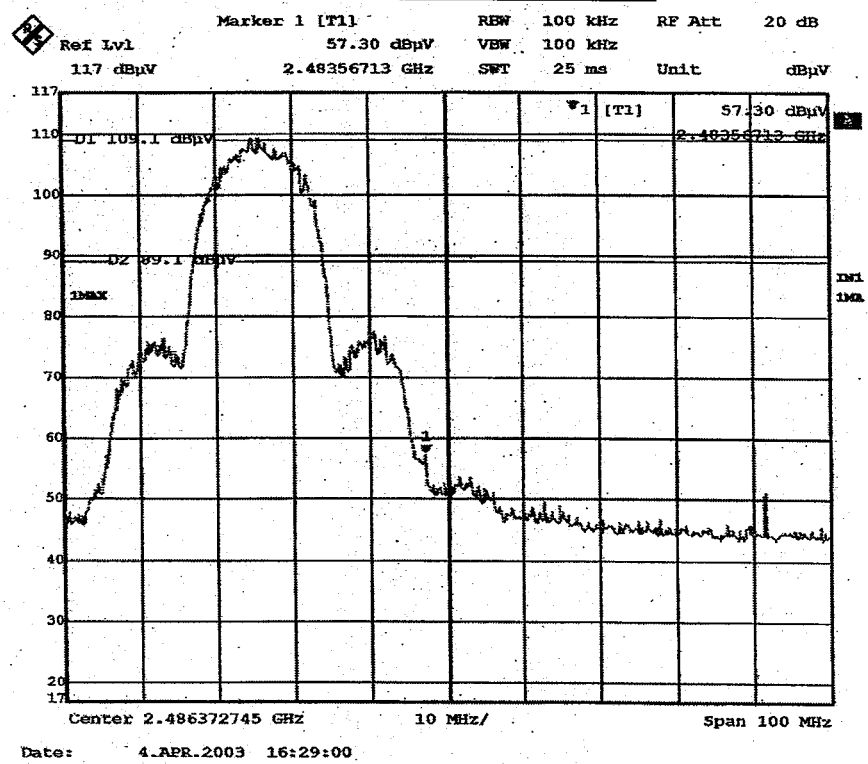
Out of Band Emission(Conducted) :Standby 10GHz-26GHz



Band Edges :Tx(Ch1:2412MHz)



Band Edges :Tx(Ch11:2462MHz)



DATA OF POWER DENSITY(CONDUCTED)

A-Pex Internationa Co., Ltd.
EMC HEAD OFFICE DIVISON No.1 SEMI ANECHOIC CHAMBER

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

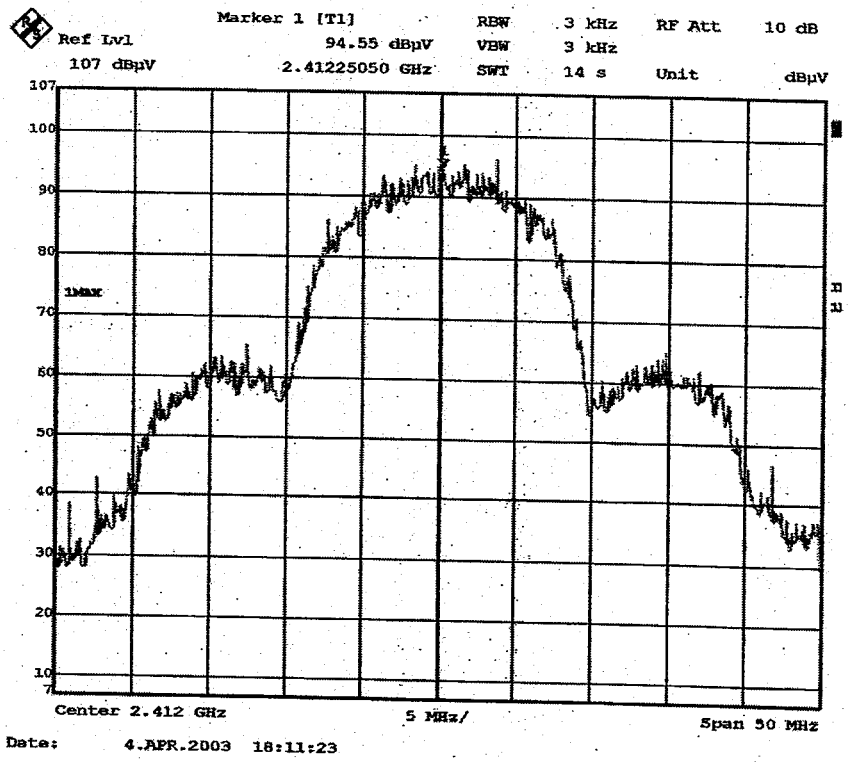
Report No. : 23GE0067-HO-2
REGULATION : Fcc Part15 Subpart C 247(d)
Test Distance : -
Date : 2003/04/04
Temperature : 23deg.C
Humidity : 37%

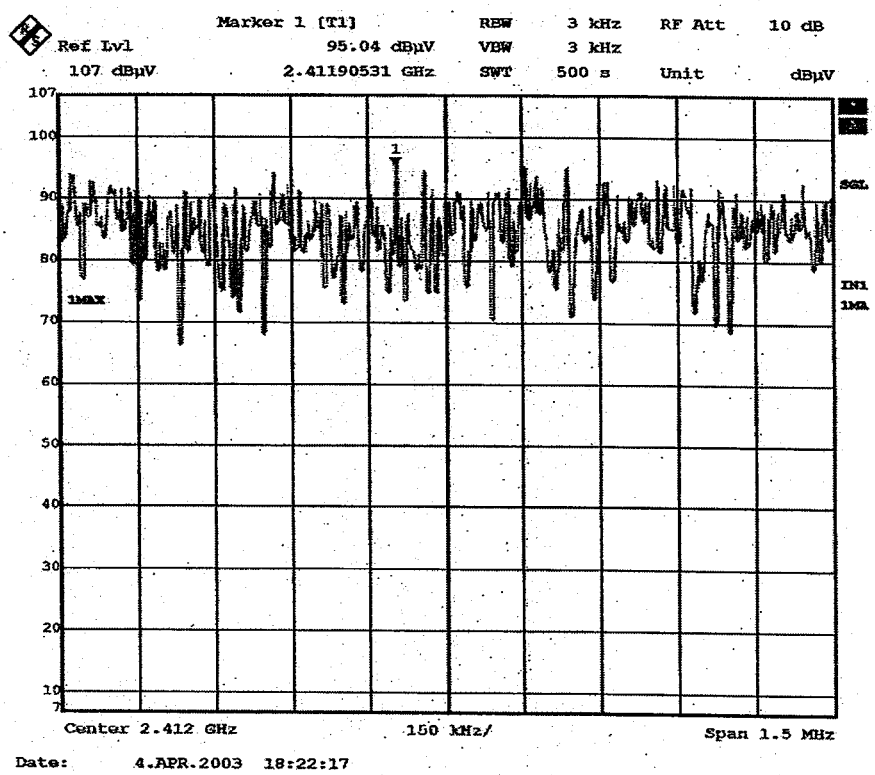
ENGINEER : Hiroka Umeyama

ch	FREQ [MHz]	S/A Reading [dBuV]	Cable Loss [dB]	ATTEN. [dB]	Result [dBuV]	Limit [dBm]	Margin [dB]
Low(1)	2412.0	95.04	2.1	0.0	97.1	8.0	17.9
Mid(6)	2437.0	95.06	2.1	0.0	97.2	8.0	17.8
High(11)	2462.0	95.19	2.0	0.0	97.2	8.0	17.8

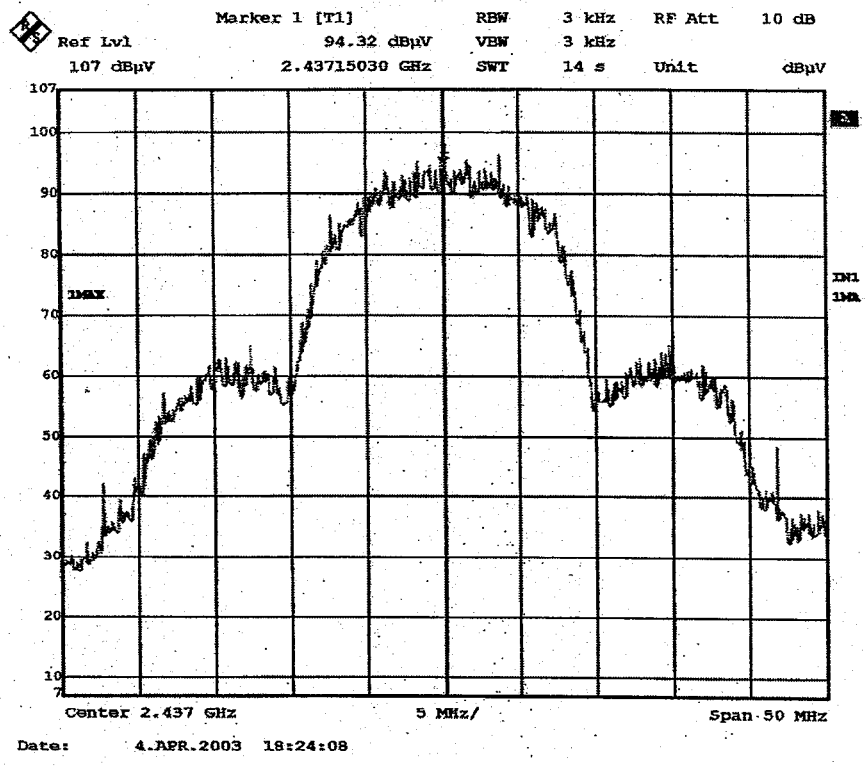
Sample Calculation:
Result = Reading + Cable Loss

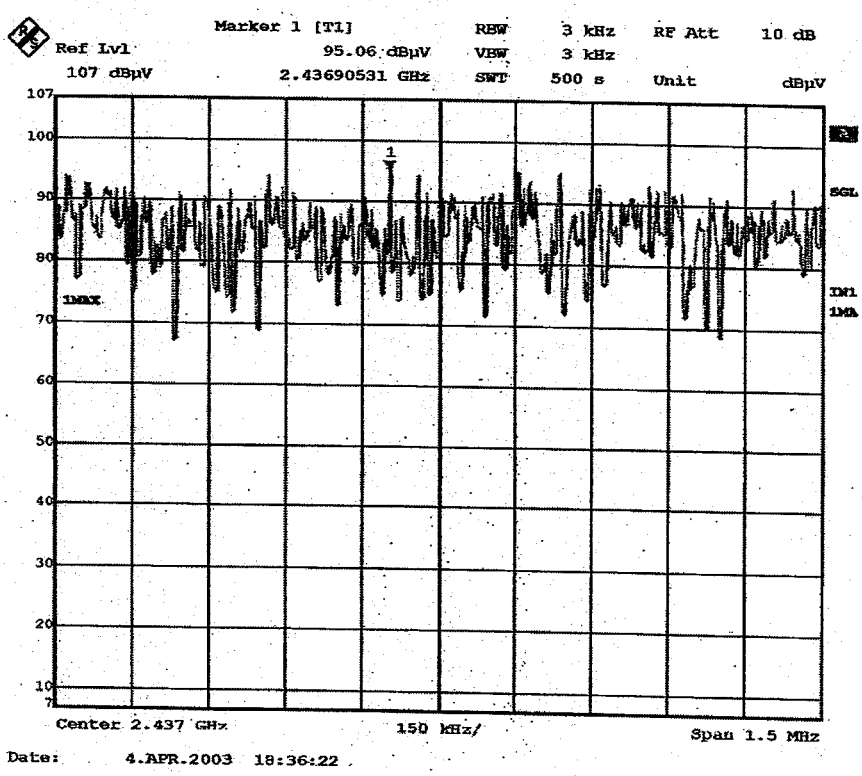
Power Density(Conducted):Tx(Ch1:2412MHz)





Power Density(Conducted):Tx(Ch6:2437MHz)





Power Density(Conducted):Tx(Ch11:2462MHz)