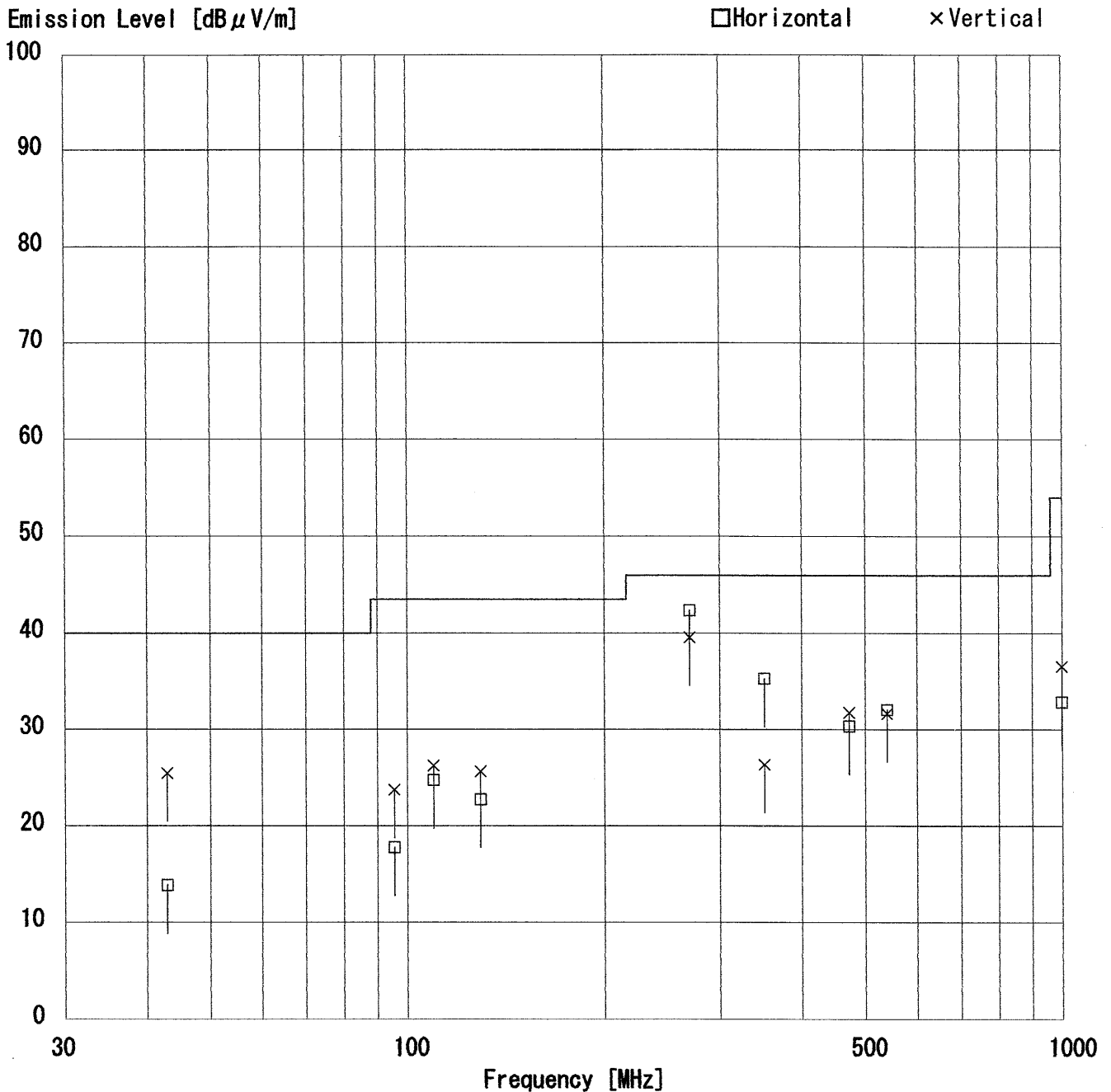


DATA OF RADIATION TEST

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx(2480MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation : FCC § 15. 247 (C)


Engineer : Hiroka Umeyama



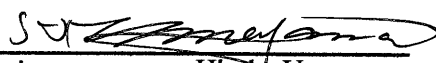
DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Video Camera Recorder
MODEL : DCR-TRV80
S/N : 111
POWER : AC120V / 60Hz
MODE : Tx(2402MHz) Ver.A

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 11/19/2002
TEMPERATURE : 17°C
HUMIDITY : 41%


Engineer : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1072.5	50.8	51.2	24.7	37.4	3.1	0.0	41.2	41.6	74.0	32.8	32.4
1	4804.0	49.6	50.2	31.1	36.4	7.3	0.3	51.9	52.5	74.0	22.1	21.5
2	7206.0	43.7	43.9	35.3	36.5	9.1	0.0	51.6	51.8	74.0	22.4	22.2
3	9608.0	44.5	44.0	38.0	37.0	10.7	0.0	56.2	55.7	74.0	17.8	18.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12010.0	43.7	43.6	38.9	35.9	12.2	0.0	49.4	49.3	74.0	24.6	24.7
5	14412.0	43.0	43.0	40.6	35.8	13.3	0.0	51.6	51.6	74.0	22.4	22.4
6	16814.0	43.2	43.2	39.3	37.2	13.5	0.0	49.3	49.3	74.0	24.7	24.7
7	19216.0	42.4	42.7	40.9	35.8	15.0	0.0	53.0	53.3	74.0	21.0	20.7
8	21618.0	44.2	44.2	40.3	37.0	17.5	0.0	55.5	55.5	74.0	18.5	18.5
9	24020.0	43.7	43.8	39.8	35.5	16.9	0.0	55.4	55.5	74.0	18.6	18.5

AV DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1072.5	43.7	43.9	24.7	37.4	3.1	0.0	34.1	34.3	54.0	19.9	19.7
1	4804.0	45.0	45.1	31.1	36.4	7.3	0.3	47.3	47.4	54.0	6.7	6.6
2	7206.0	30.9	30.9	35.3	36.5	9.1	0.0	38.8	38.8	54.0	15.2	15.2
3	9608.0	31.3	31.3	38.0	37.0	10.7	0.0	43.0	43.0	54.0	11.0	11.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12010.0	31.2	31.0	38.9	35.9	12.2	0.0	36.9	36.7	54.0	17.1	17.3
5	14412.0	30.3	30.3	40.6	35.8	13.3	0.0	38.9	38.9	54.0	15.1	15.1
6	16814.0	30.5	30.5	39.3	37.2	13.5	0.0	36.6	36.6	54.0	17.4	17.4
7	19216.0	30.5	30.5	40.9	35.8	15.0	0.0	41.1	41.1	54.0	12.9	12.9
8	21618.0	31.4	31.4	40.3	37.0	17.5	0.0	42.7	42.7	54.0	11.3	11.3
9	24020.0	31.5	31.6	39.8	35.5	16.9	0.0	43.2	43.3	54.0	10.8	10.7

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

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

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Video Camera Recorder
MODEL : DCR-TRV80
S/N : 111
POWER : AC120V / 60Hz
MODE : Tx(2441MHz) Ver.A

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 11/19/2002
TEMPERATURE : 17°C
HUMIDITY : 41%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1185.0	48.0	49.3	25.1	37.3	3.4	0.0	39.2	40.5	74.0	34.8	33.5
1	4882.0	47.6	49.7	31.3	36.4	7.3	0.4	50.2	52.3	74.0	23.8	21.7
2	7323.0	43.6	43.3	35.5	36.6	9.1	0.0	51.6	51.3	74.0	22.4	22.7
3	9764.0	43.6	44.1	38.2	37.0	11.2	0.0	56.0	56.5	74.0	18.0	17.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12205.0	43.0	43.0	38.8	36.0	12.2	0.0	48.5	48.5	74.0	25.5	25.5
5	14646.0	43.7	43.7	40.6	36.1	13.5	0.0	52.2	52.2	74.0	21.8	21.8
6	17087.0	42.5	43.8	39.6	37.0	13.5	0.0	49.1	50.4	74.0	24.9	23.6
7	19528.0	42.7	42.8	40.4	36.1	15.5	0.0	53.0	53.1	74.0	21.0	20.9
8	21969.0	45.4	45.3	40.5	36.7	18.4	0.0	58.1	58.0	74.0	15.9	16.0
9	24410.0	44.2	44.0	40.2	36.4	17.5	0.0	56.0	55.8	74.0	18.0	18.2

AV DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[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	1185.0	37.2	40.0	25.1	37.3	3.4	0.0	28.4	31.2	54.0	25.6	22.8
1	4882.0	43.8	44.7	31.3	36.4	7.3	0.4	46.4	47.3	54.0	7.6	6.7
2	7323.0	30.9	30.9	35.5	36.6	9.1	0.0	38.9	38.9	54.0	15.1	15.1
3	9764.0	30.9	31.0	38.2	37.0	11.2	0.0	43.3	43.4	54.0	10.7	10.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12205.0	30.9	30.9	38.8	36.0	12.2	0.0	36.4	36.4	54.0	17.6	17.6
5	14646.0	30.6	30.5	40.6	36.1	13.5	0.0	39.1	39.0	54.0	14.9	15.0
6	17087.0	30.0	30.0	39.6	37.0	13.5	0.0	36.6	36.6	54.0	17.4	17.4
7	19528.0	30.1	30.4	40.4	36.1	15.5	0.0	40.4	40.7	54.0	13.6	13.3
8	21969.0	32.6	32.7	40.5	36.7	18.4	0.0	45.3	45.4	54.0	8.7	8.6
9	24410.0	31.6	31.6	40.2	36.4	17.5	0.0	43.4	43.4	54.0	10.6	10.6

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

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

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation

REPORT NO : 23CE0075-HO

EQUIPMENT : Digital Video Camera Recorder

REGULATION : Fcc Part15 Subpart C 15.247(c)

MODEL : DCR-TRV80

TEST DISTANCE : 3 and 1 m

S/N : 111

DATE : 11/19/2002

POWER : AC120V / 60Hz

TEMPERATURE : 17°C

MODE : Tx(2480MHz) Ver.A

HUMIDITY : 41%

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	1240.0	46.7	47.0	25.1	37.3	3.4	0.0	38.0	38.3	74.0	36.0	35.7
1	2484.0	56.9	57.3	27.7	36.7	5.2	0.0	53.1	53.5	74.0	20.9	20.5
2	4960.0	49.0	47.5	31.4	36.4	7.4	0.5	51.9	50.4	74.0	22.1	23.6
3	7440.0	44.1	44.5	35.6	36.7	9.1	0.0	52.1	52.5	74.0	21.9	21.5
4	9920.0	44.8	44.6	38.3	37.1	10.9	0.0	56.9	56.7	74.0	17.1	17.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
5	12400.0	43.6	43.8	38.8	36.0	12.3	0.0	49.2	49.4	74.0	24.8	24.6
6	14880.0	43.0	43.7	40.5	36.4	13.7	0.0	51.3	52.0	74.0	22.7	22.0
7	17360.0	42.4	42.7	40.4	36.6	13.8	0.0	50.5	50.8	74.0	23.5	23.2
8	19840.0	42.2	42.4	40.7	36.3	16.0	0.0	53.1	53.3	74.0	20.9	20.7
9	22320.0	44.9	45.8	40.7	36.7	17.8	0.0	57.2	58.1	74.0	16.8	15.9
10	24800.0	44.5	44.0	40.2	36.5	18.1	0.0	56.8	56.3	74.0	17.2	17.7

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												
0	1240.0	33.2	33.9	25.1	37.3	3.4	0.0	24.5	25.2	54.0	29.5	28.8
1	2484.0	43.4	43.4	27.7	36.7	5.2	0.0	39.6	39.6	54.0	14.4	14.4
2	4960.0	43.4	41.0	31.4	36.4	7.4	0.5	46.3	43.9	54.0	7.7	10.1
3	7440.0	31.1	31.1	35.6	36.7	9.1	0.0	39.1	39.1	54.0	14.9	14.9
4	9920.0	31.5	31.2	38.3	37.1	10.9	0.0	43.6	43.3	54.0	10.4	10.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
5	12400.0	31.3	31.2	38.8	36.0	12.3	0.0	36.9	36.8	54.0	17.1	17.2
6	14880.0	30.6	30.6	40.5	36.4	13.7	0.0	38.9	38.9	54.0	15.1	15.1
7	17360.0	30.2	30.3	40.4	36.6	13.8	0.0	38.3	38.4	54.0	15.7	15.6
8	19840.0	30.4	30.4	40.7	36.3	16.0	0.0	41.3	41.3	54.0	12.7	12.7
9	22320.0	32.7	32.6	40.7	36.7	17.8	0.0	45.0	44.9	54.0	9.0	9.1
10	24800.0	32.2	32.1	40.2	36.5	18.1	0.0	44.5	44.4	54.0	9.5	9.6

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

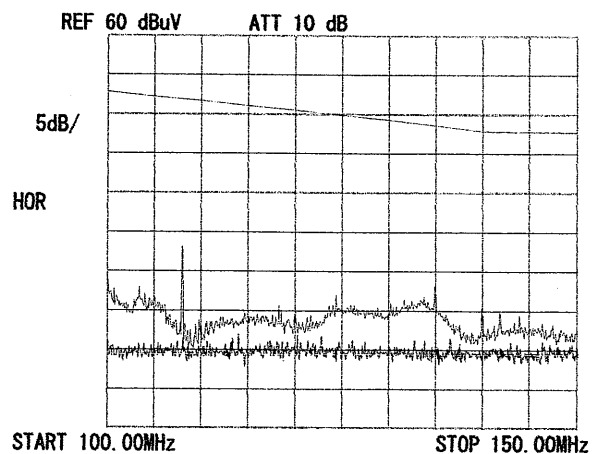
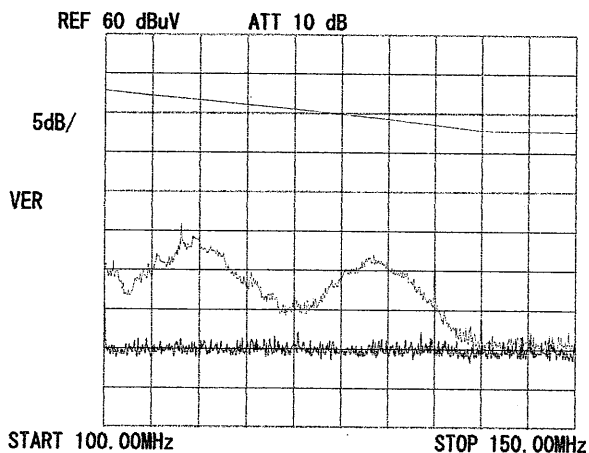
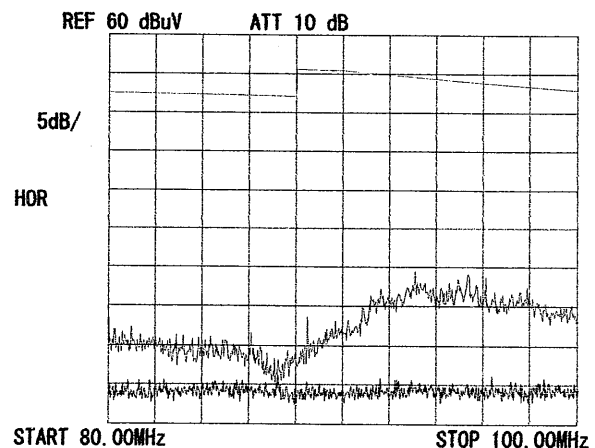
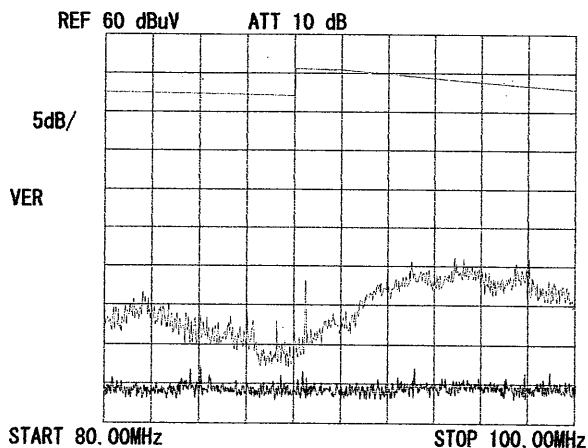
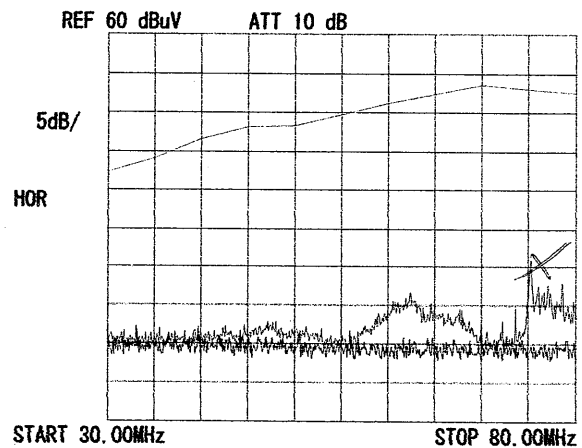
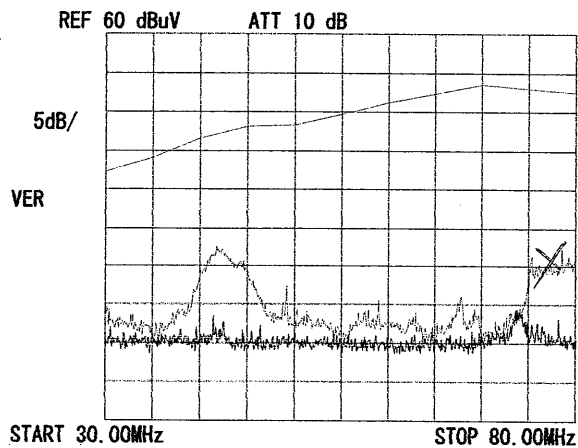
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2402MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247 (C)
Regulation 2 : None

Hiroka Umeyama
Engineer : Hiroka Umeyama

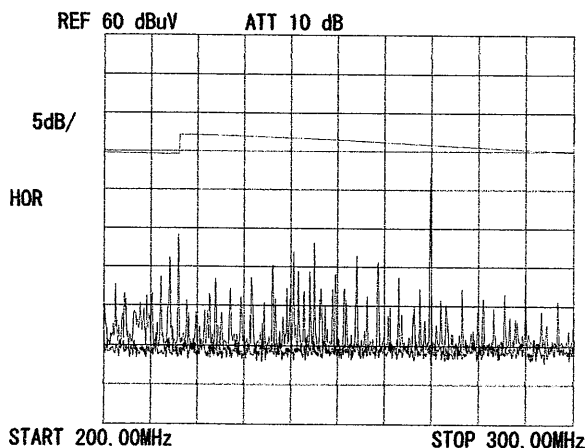
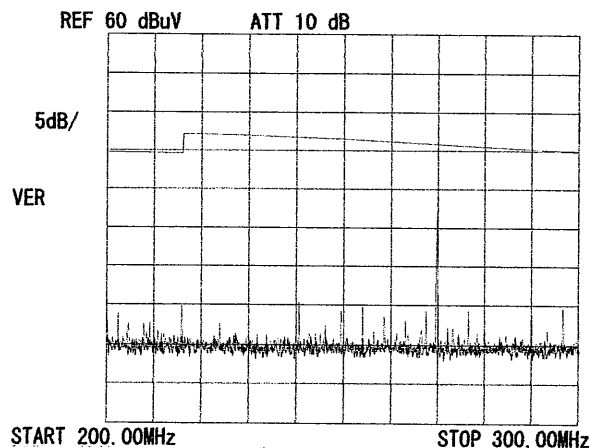
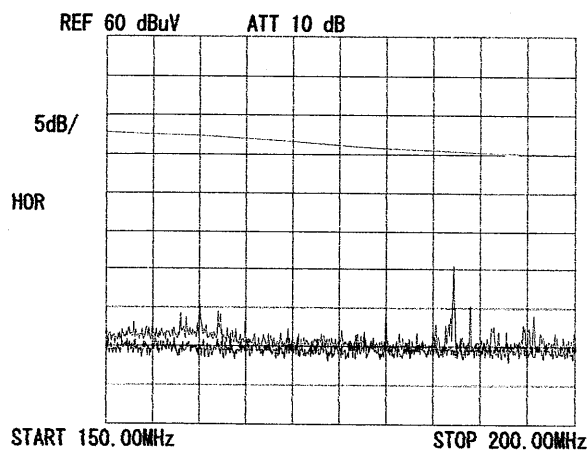
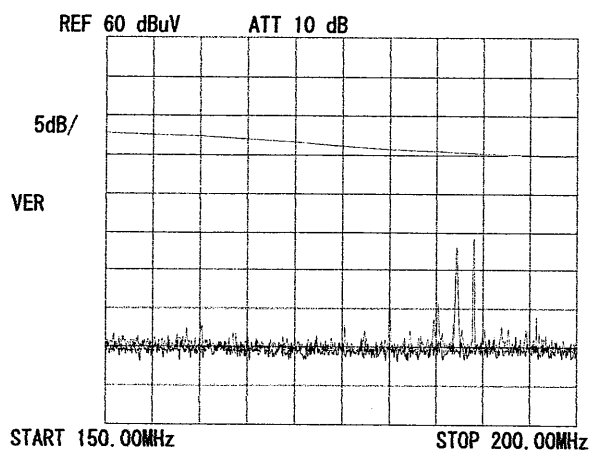


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2402MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247(C)
Regulation 2 : None

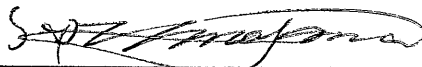
S. Umeyama
Engineer : Hiroka Umeyama

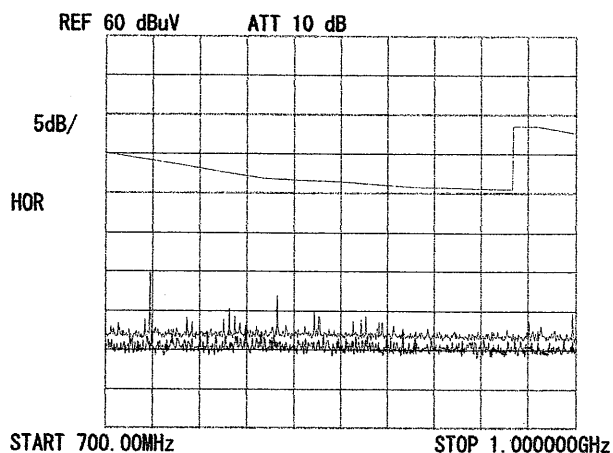
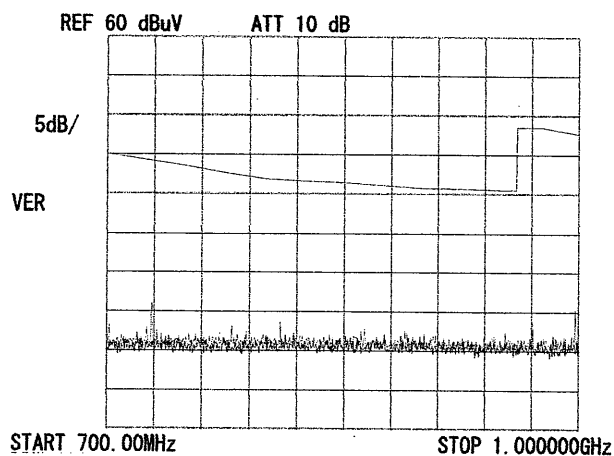
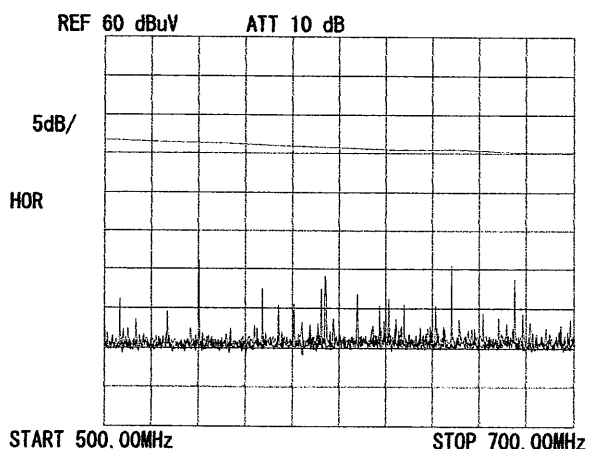
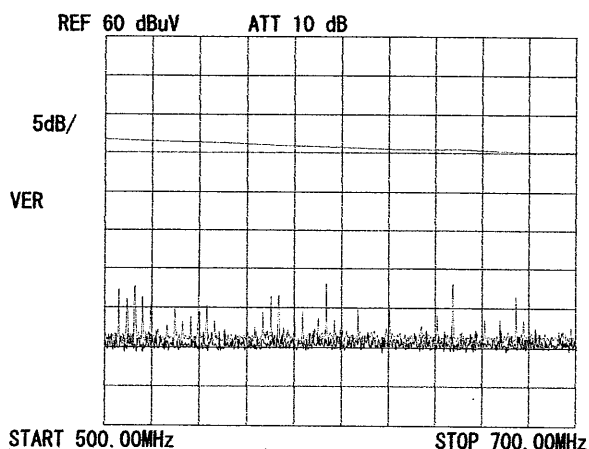
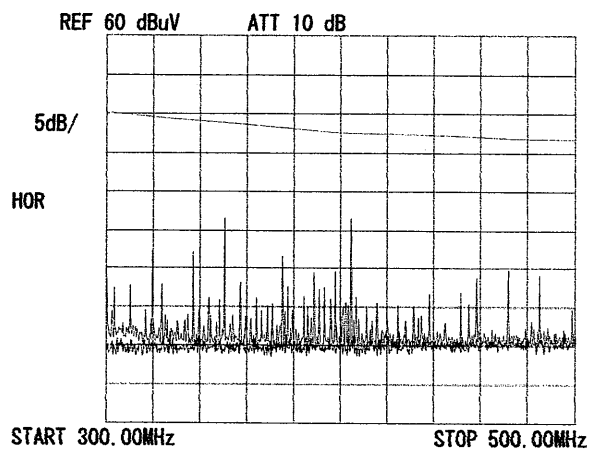
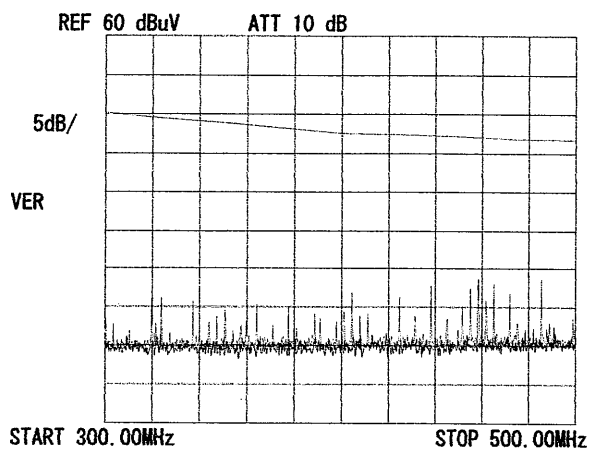


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
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Temperature : 22 °C
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Regulation 1 : FCC § 15.247 (C)
Regulation 2 : None

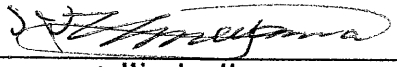

Engineer : Hiroka Umeyama

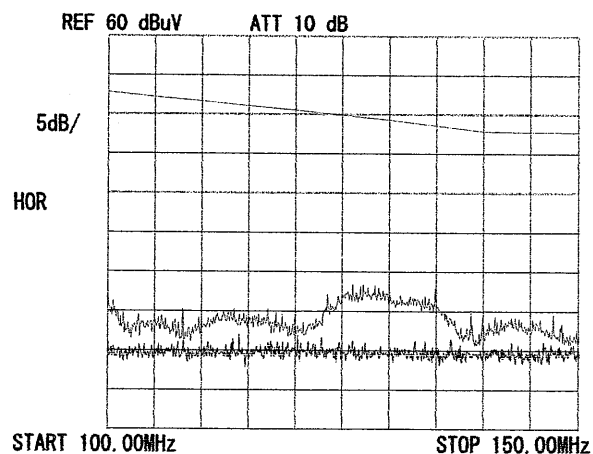
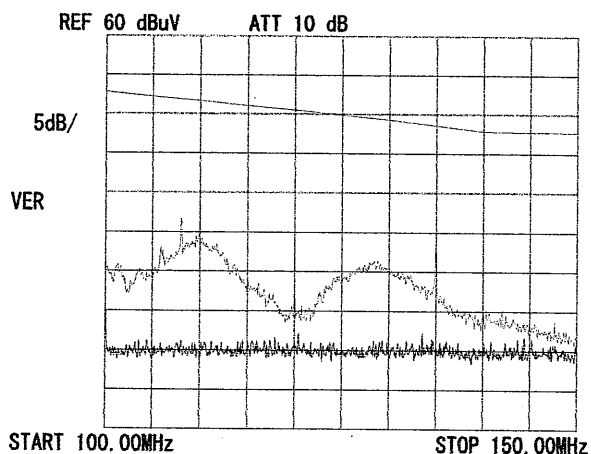
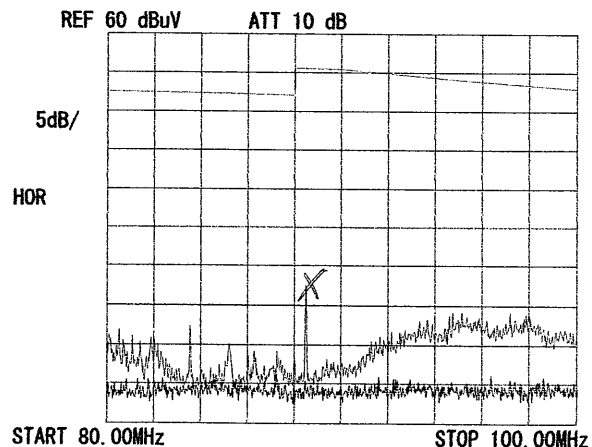
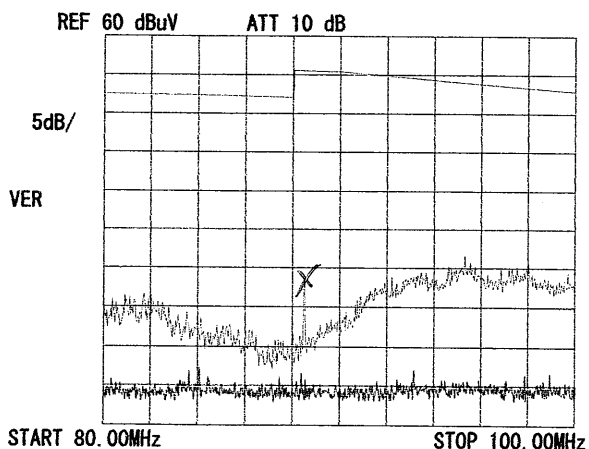
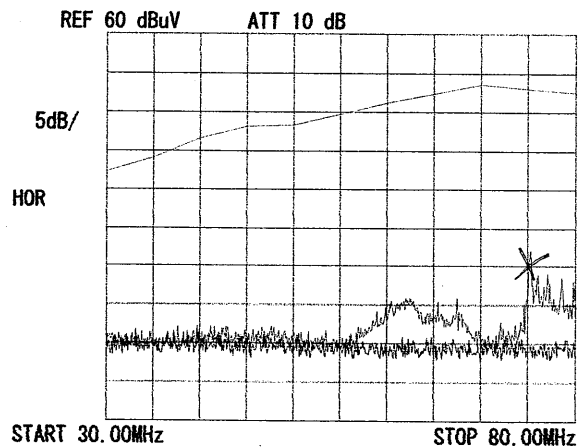
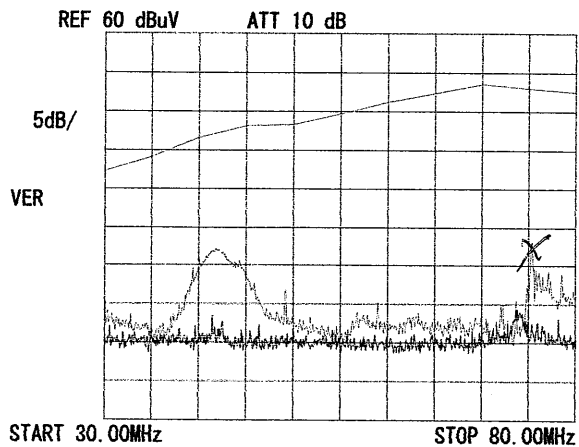


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2441MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15. 247 (C)
Regulation 2 : None


Engineer : Hiroka Umeyama

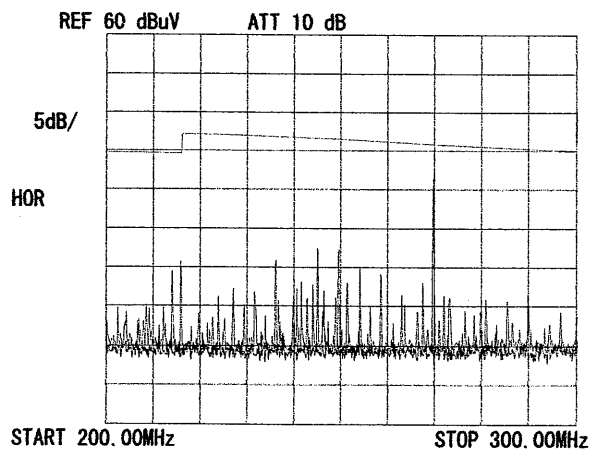
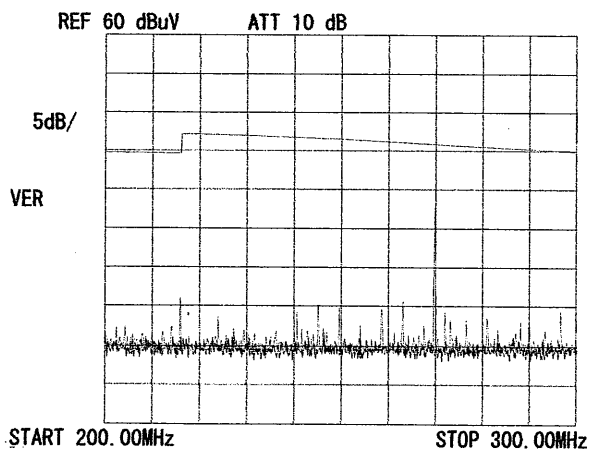
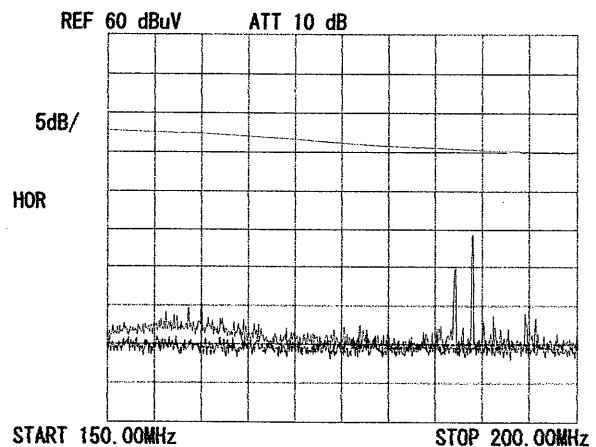
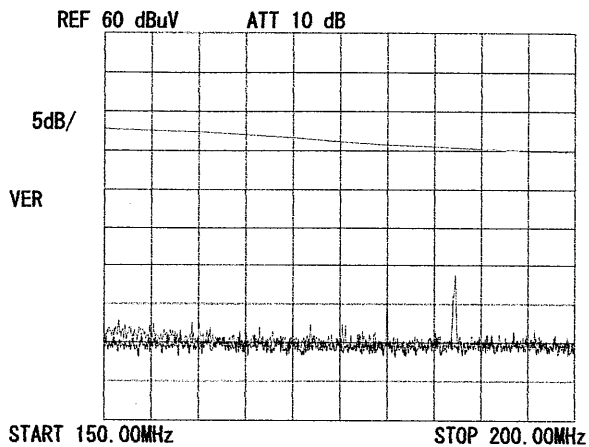


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2441MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247 (C)
Regulation 2 : None


Engineer : Hiroka Umeyama

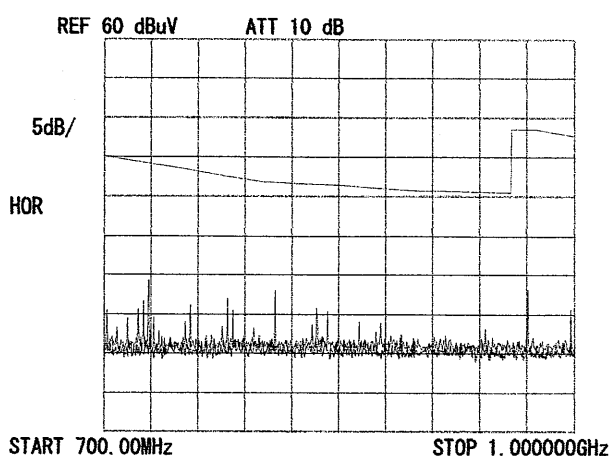
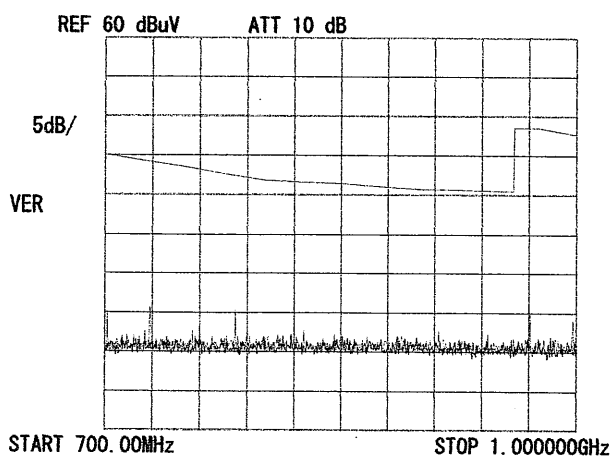
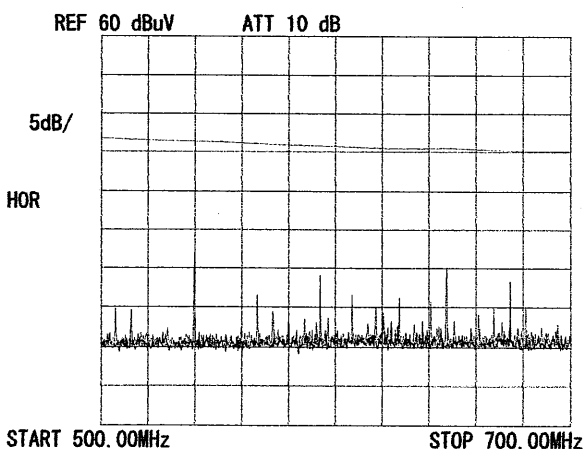
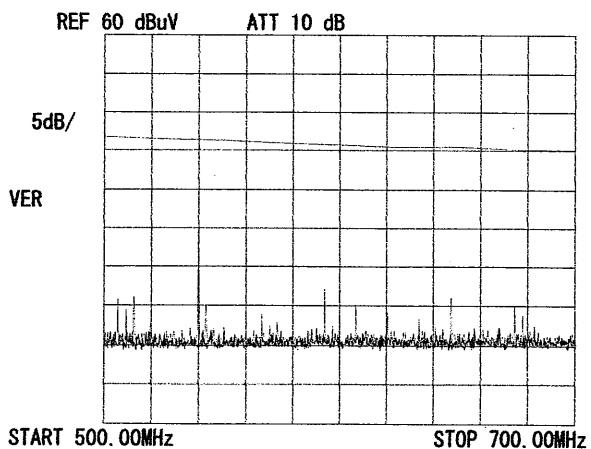
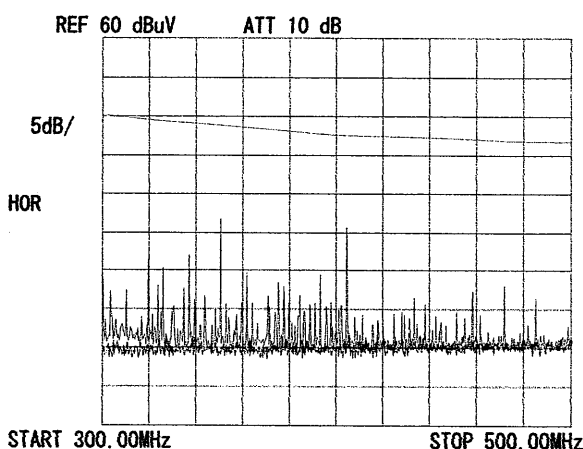
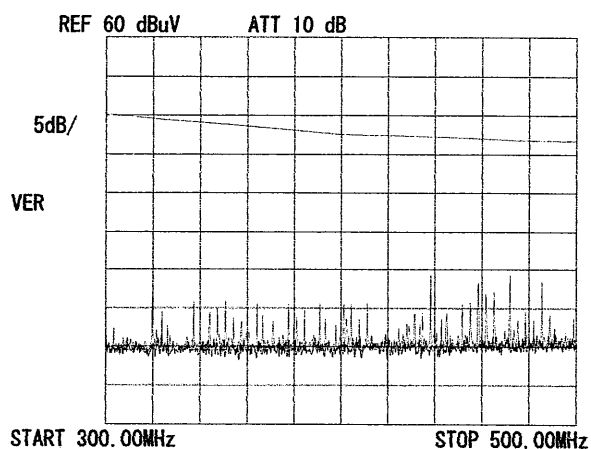


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2441MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247(C)
Regulation 2 : None

Hiroka Uneyama
Engineer : Hiroka Uneyama

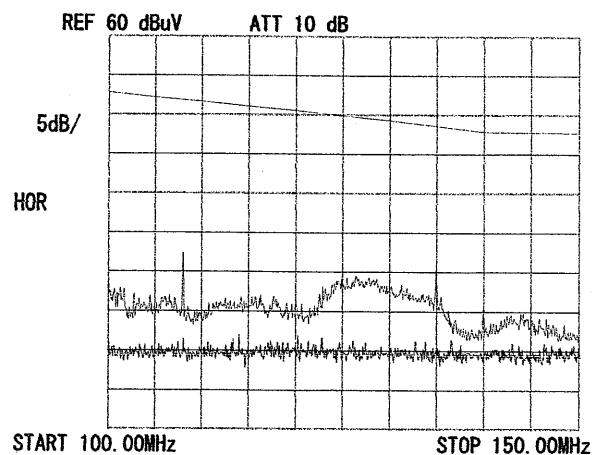
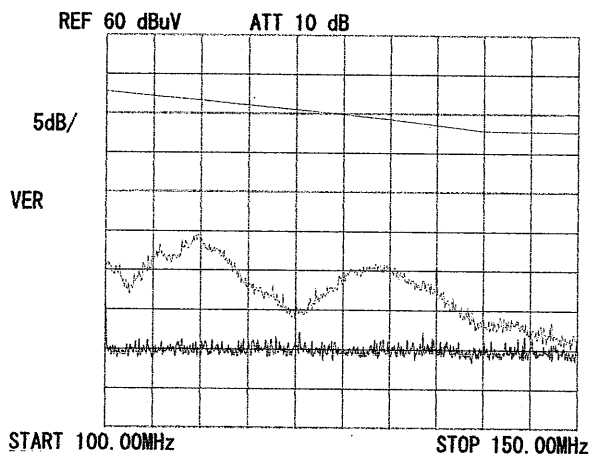
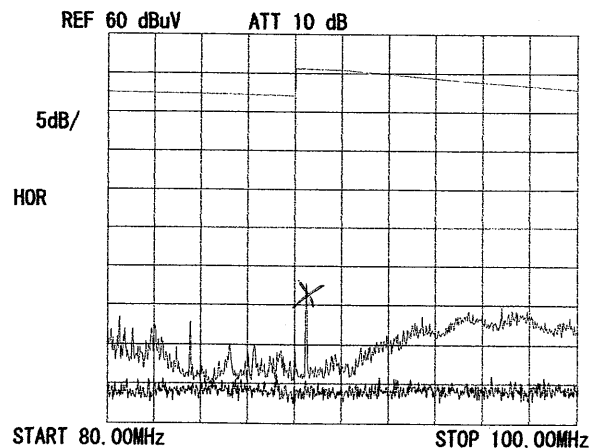
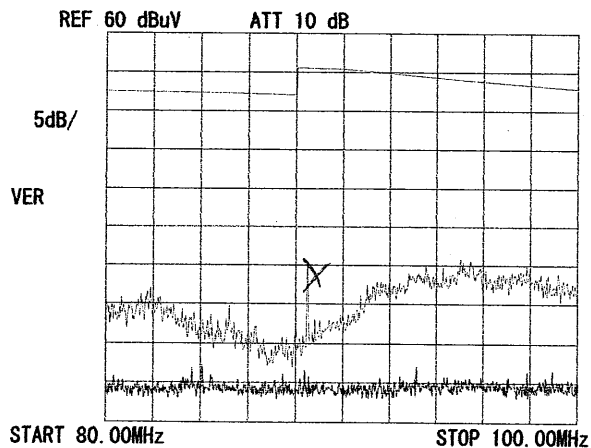
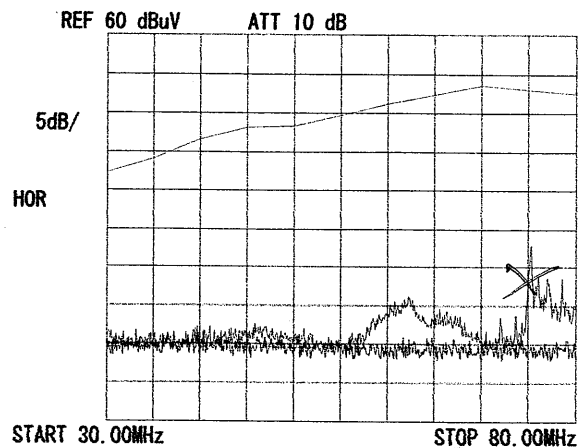
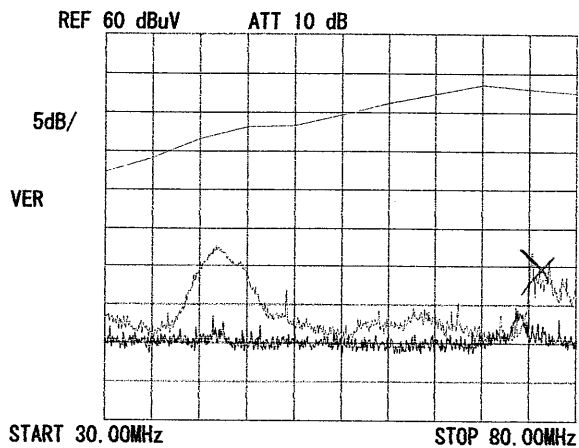


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2480MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247(C)
Regulation 2 : None

S. Umeyama
Engineer : Hiroka Umeyama

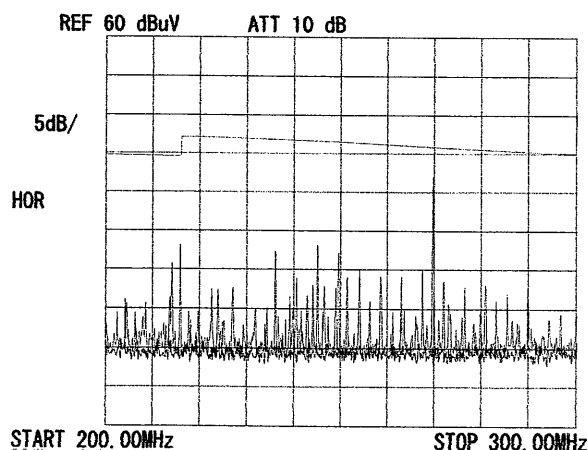
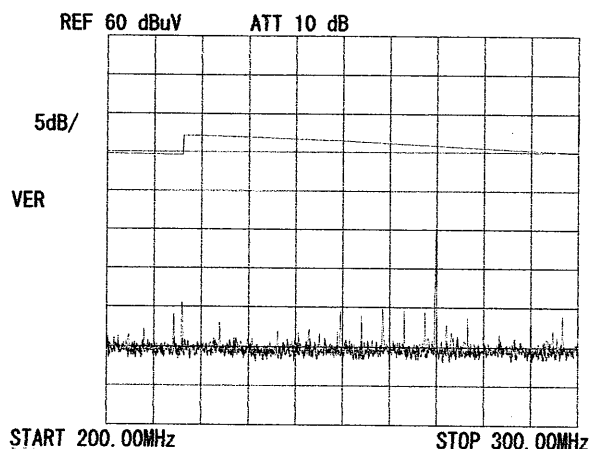
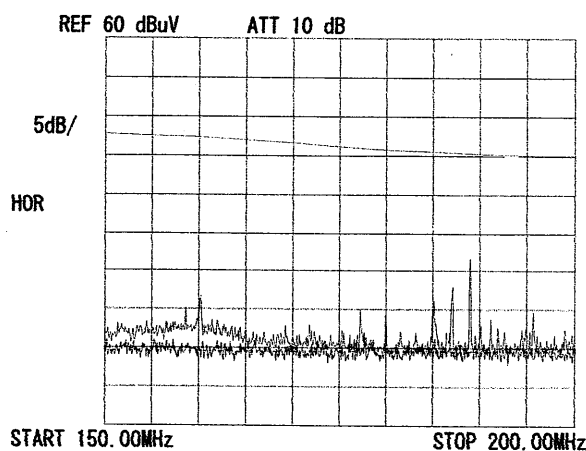
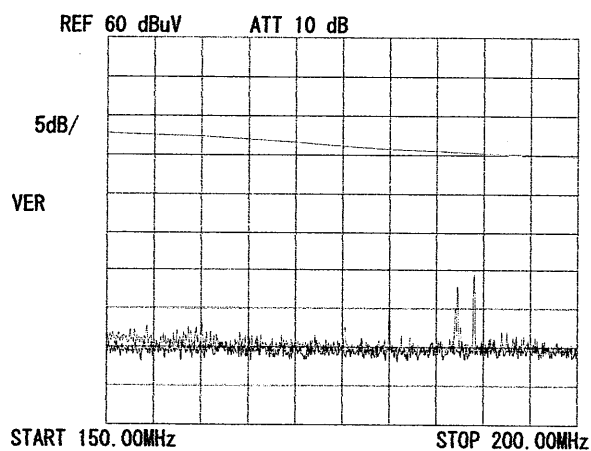


DATA OF RADIATION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

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Kind of Equipment : Digital Video Camera Recorder
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Remarks : Ver. A
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Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247 (C)
Regulation 2 : None


Engineer : Hiroka Uneyama

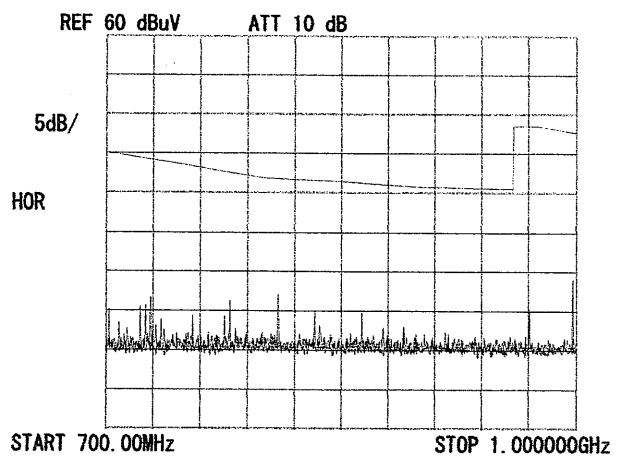
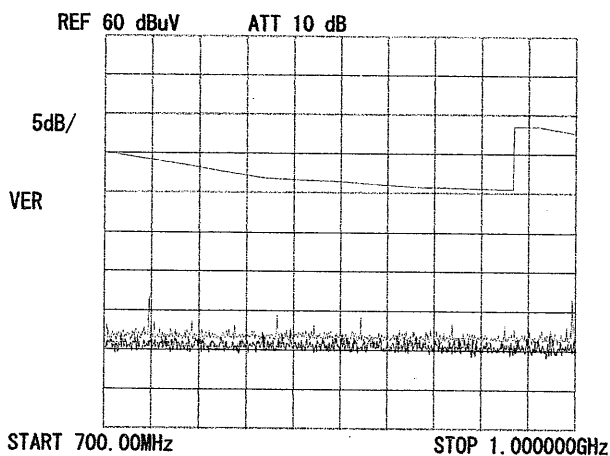
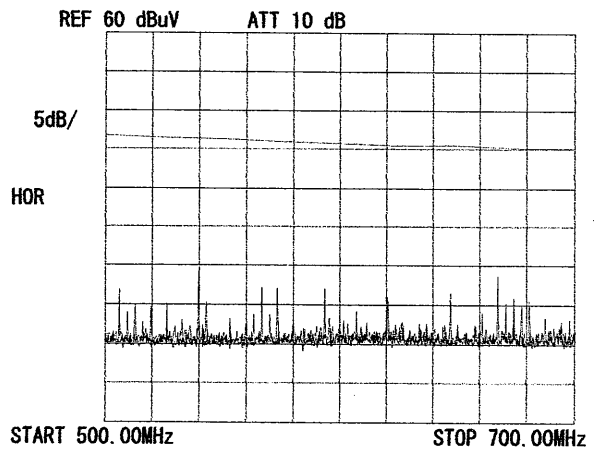
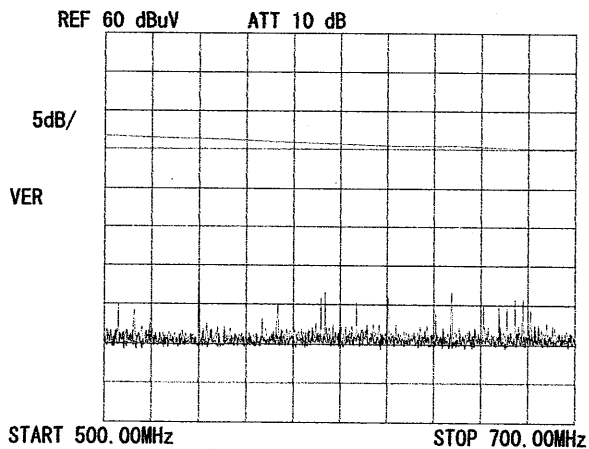
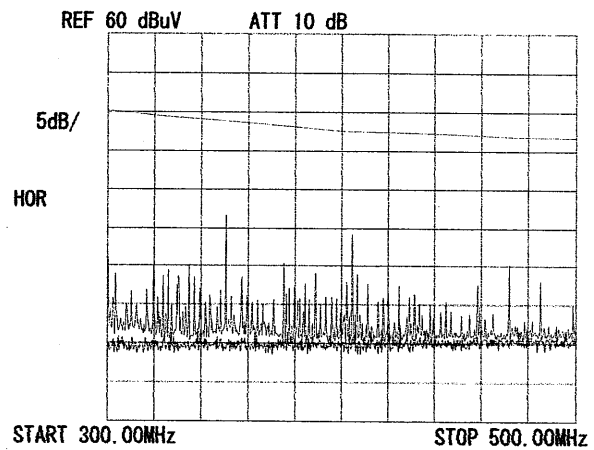
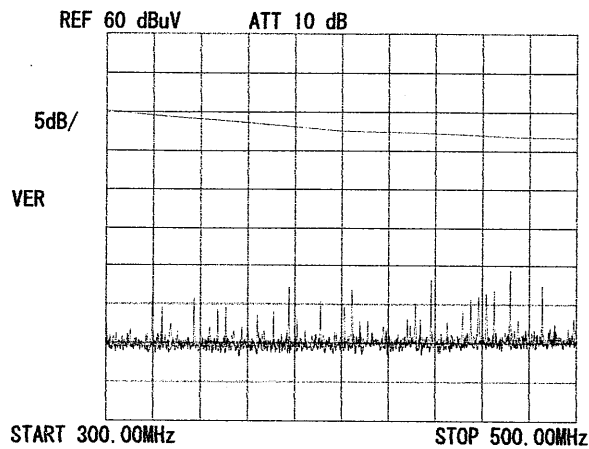


DATA OF RADIATION TEST CHART

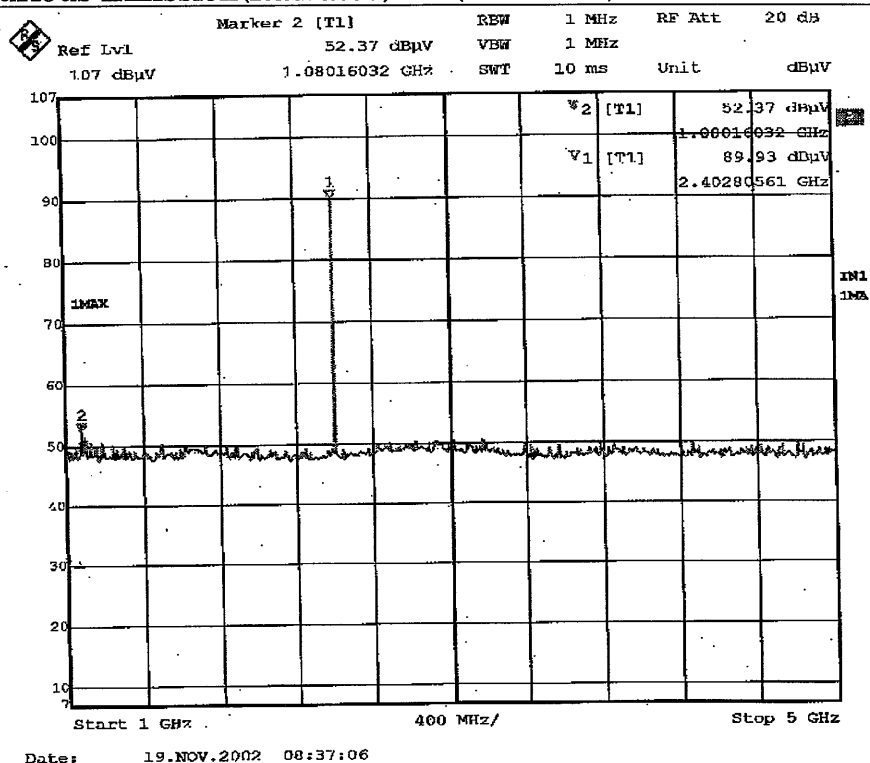
A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2480MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation 1 : FCC § 15.247 (C)
Regulation 2 : None

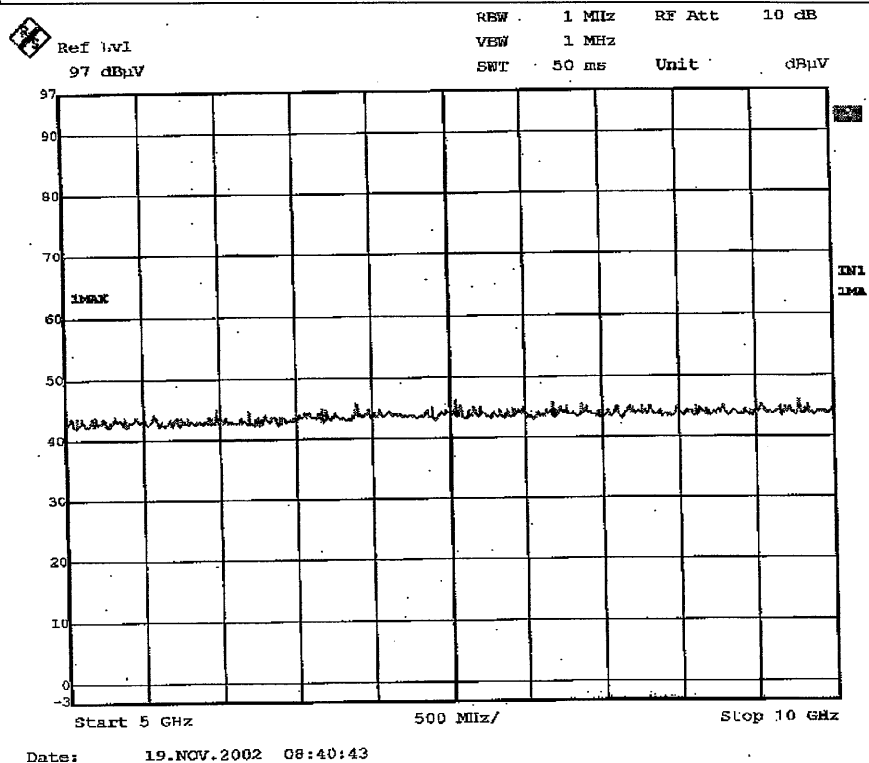

Engineer : Hiroka Umeyama



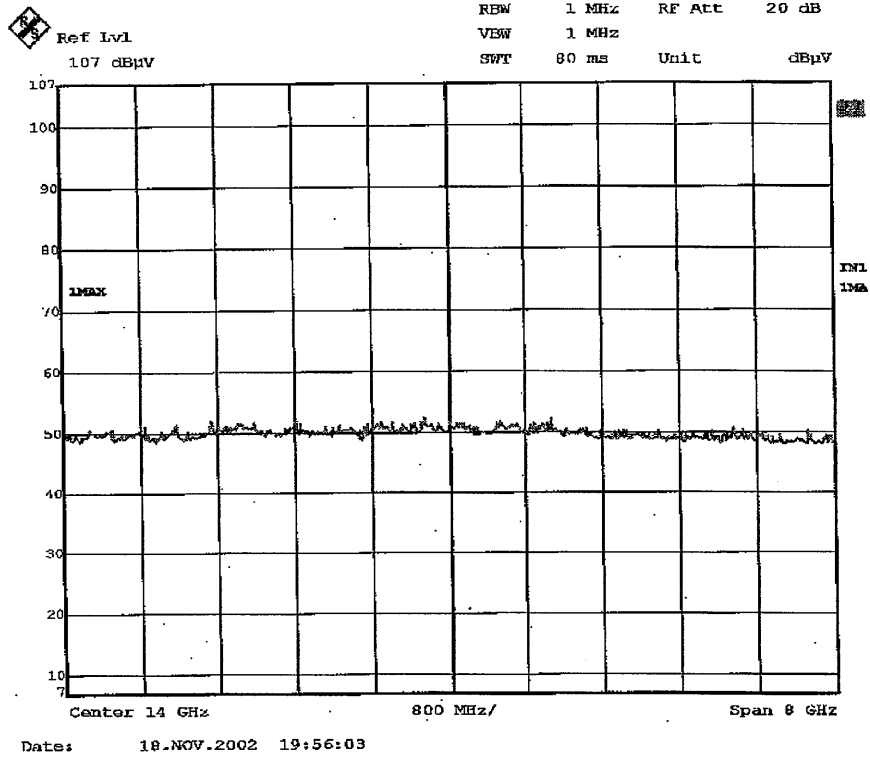
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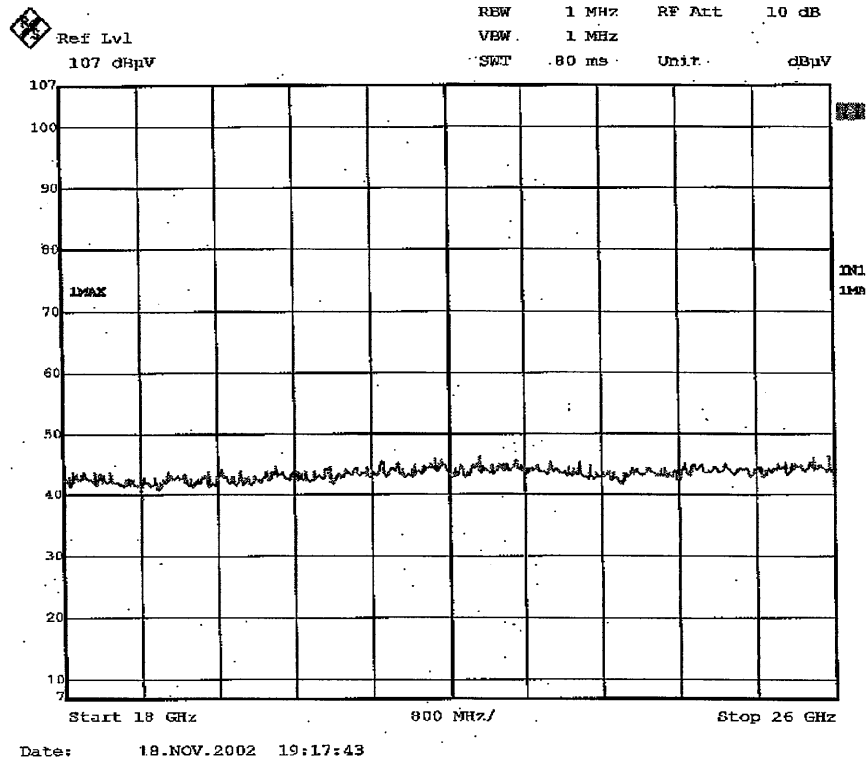
Spurious Emission(Radiated) :Tx(2402MHz) HOR 3m Ver.A



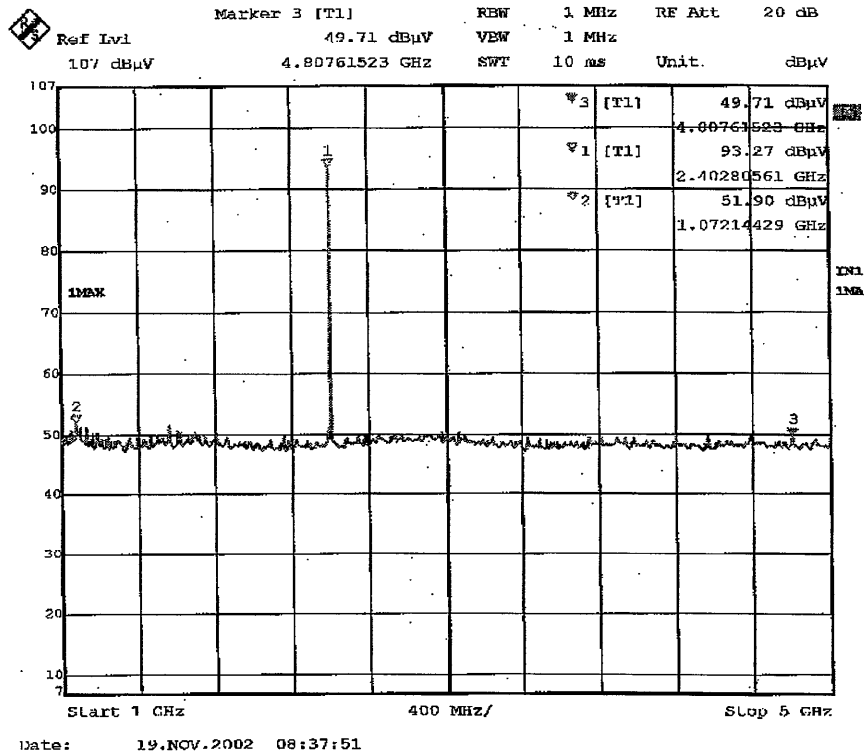
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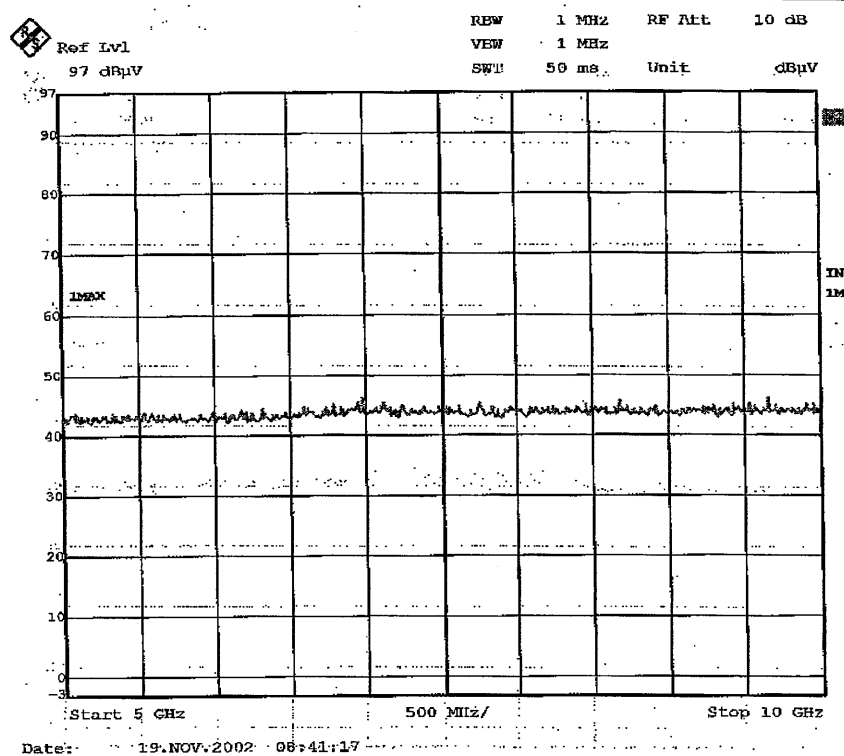
Spurious Emission(Radiated) :Tx(2402MHz) HOR 1m Ver.A



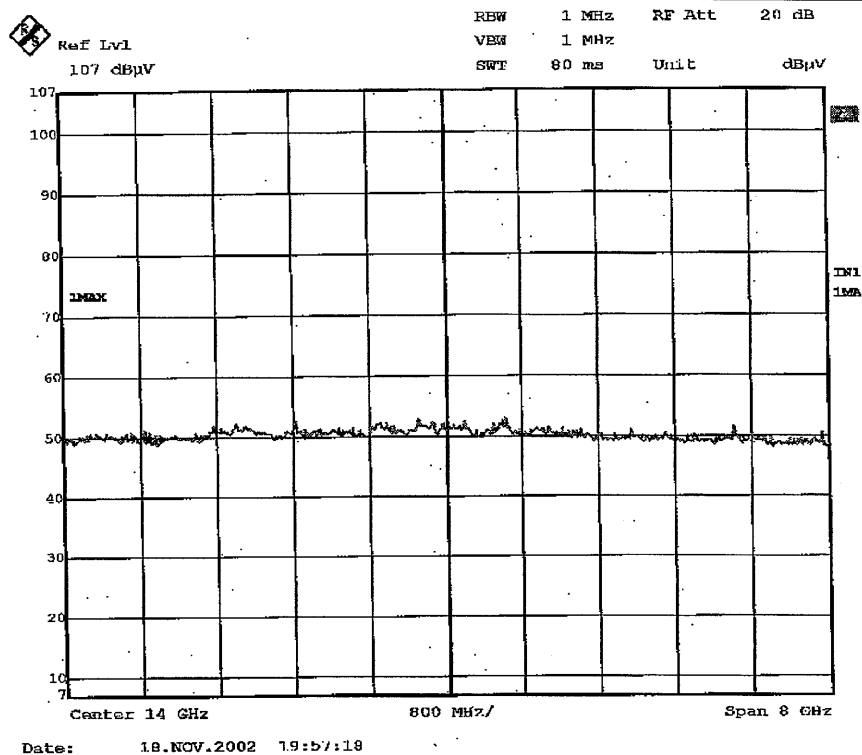
Spurious Emission(Radiated) :Tx(2402MHz) VER 3m Ver.A



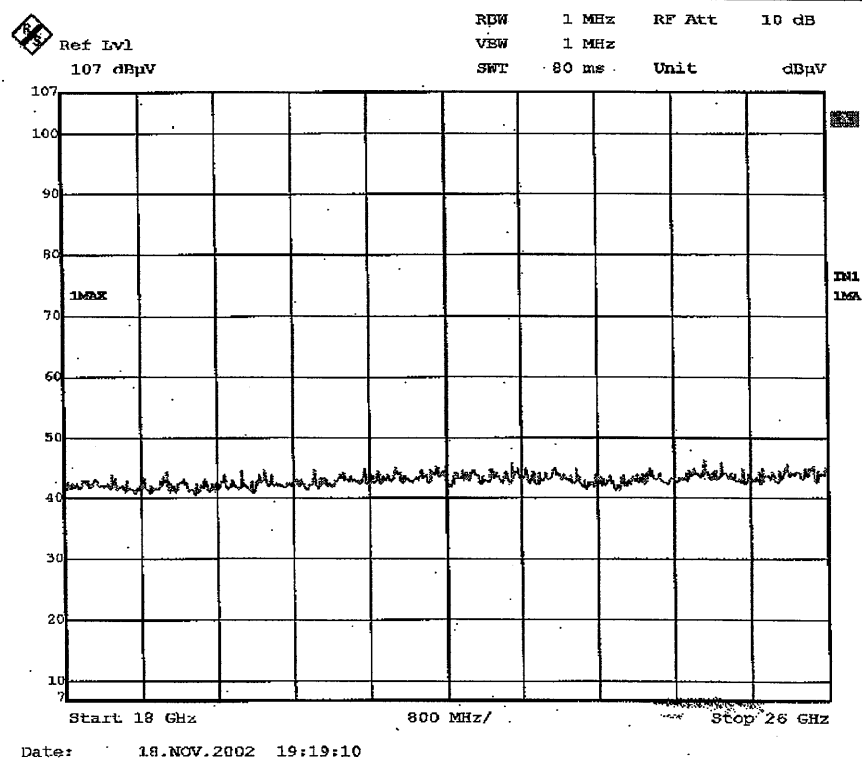
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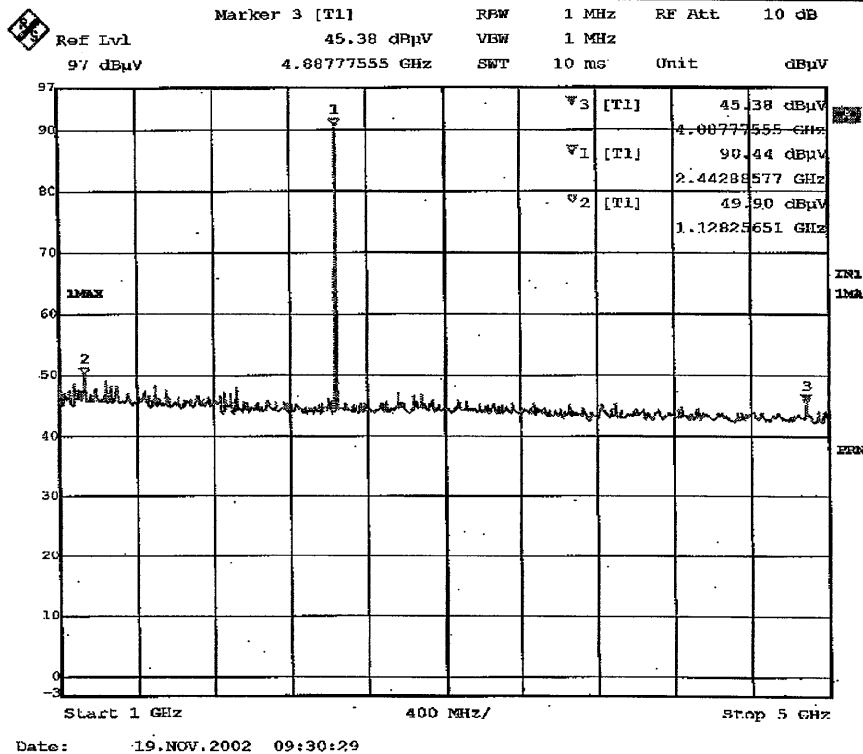
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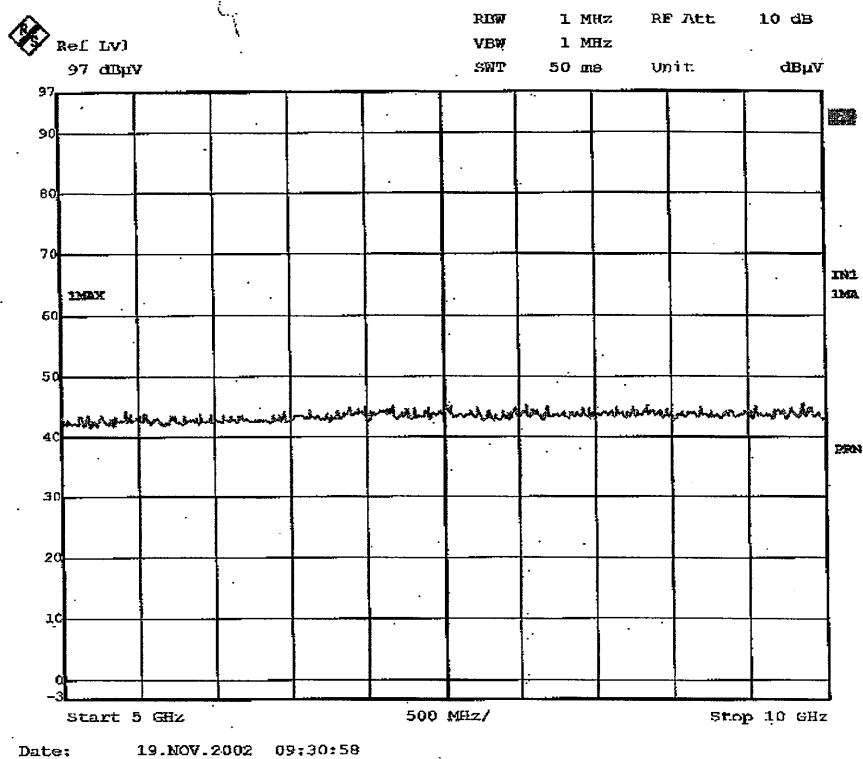
Spurious Emission(Radiated) :Tx(2402MHz) VER 1m Ver.A



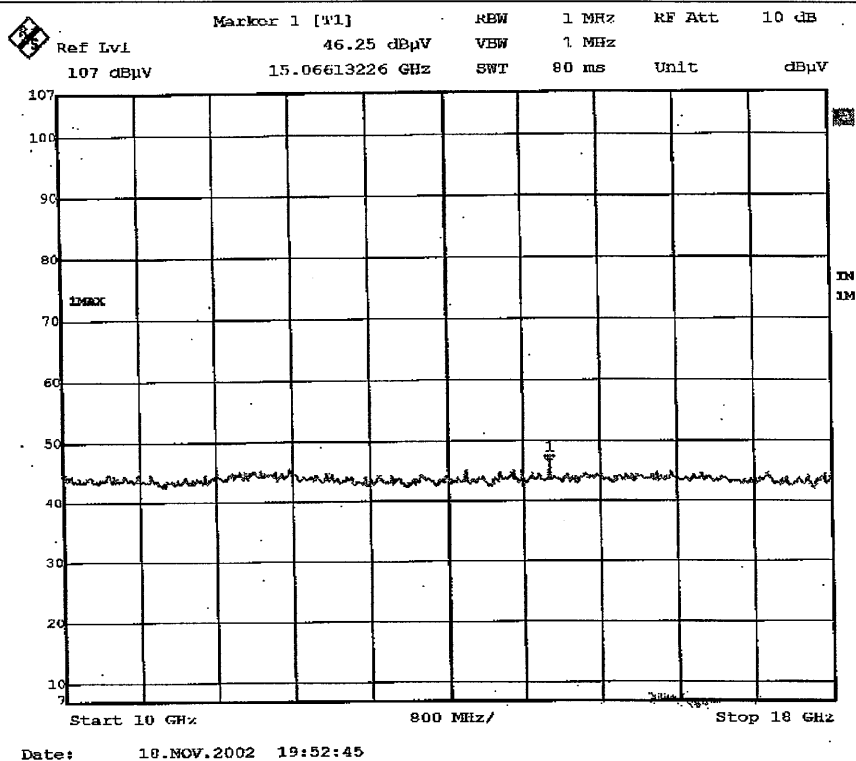
Spurious Emission(Radiated) :Tx(2441MHz) HOR 3m Ver.A



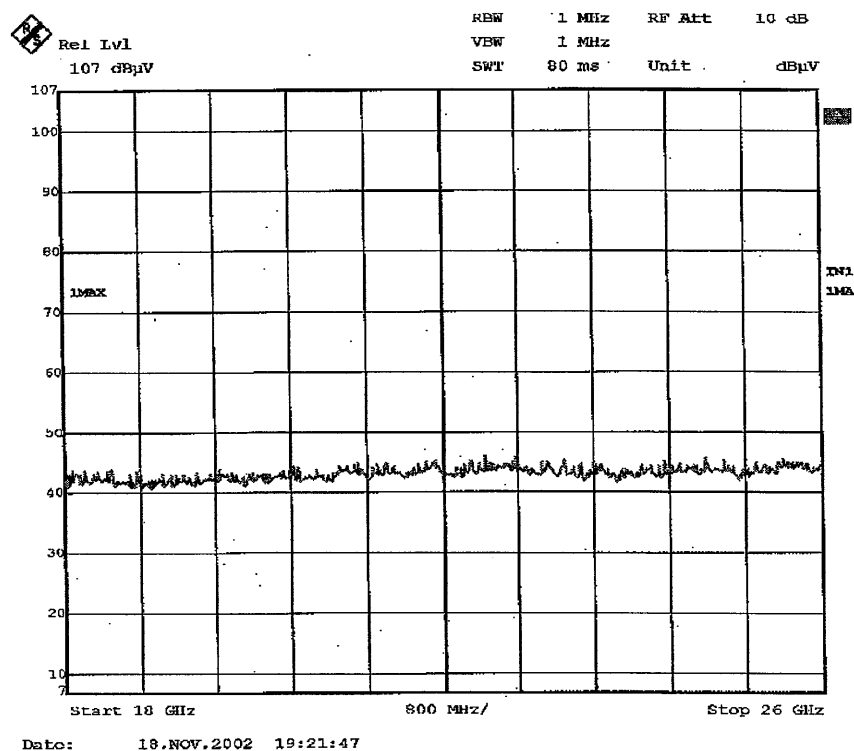
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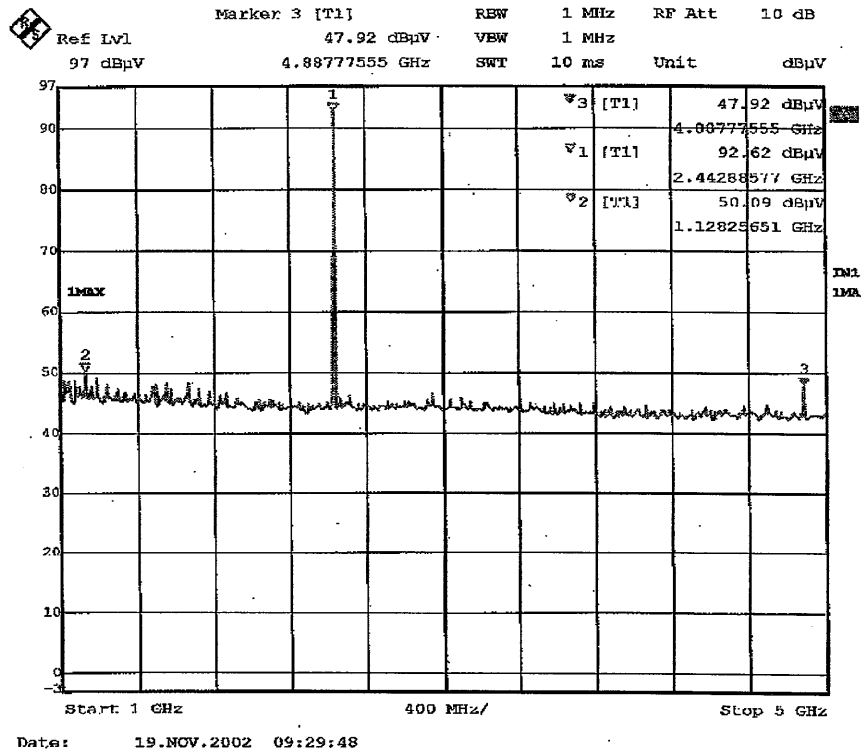
Spurious Emission(Radiated) : Tx(2441MHz) HOR 1m Ver.A



Spurious Emission(Radiated) : Tx(2441MHz) HOR 1m Ver.A



Spurious Emission(Radiated) : Tx(2441MHz) VER 3m Ver.A



Spurious Emission(Radiated) : Tx(2441MHz) VER 3m Ver.A

