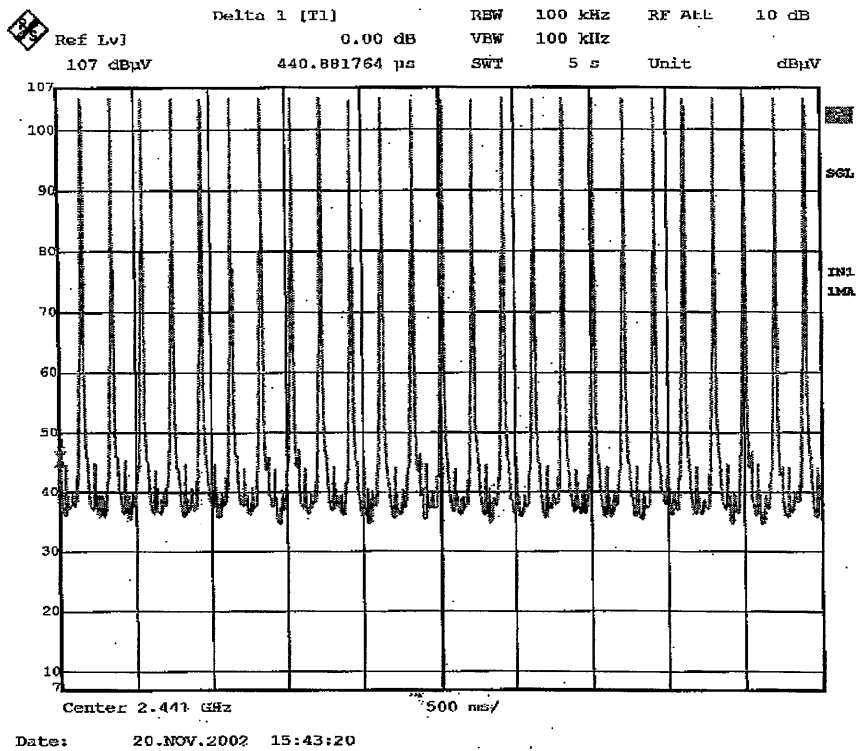
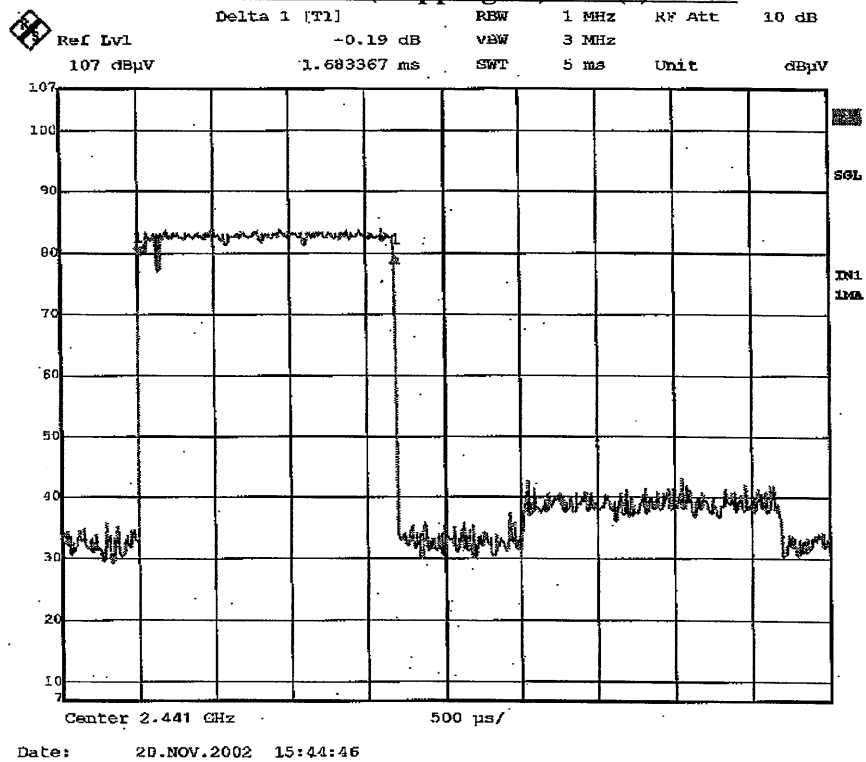


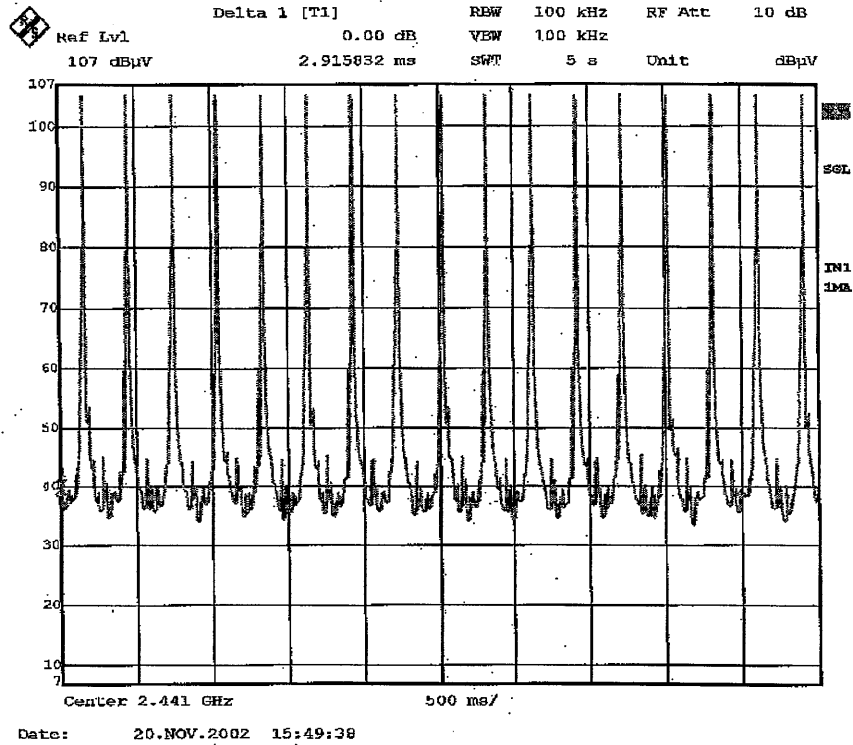
Dwell time :Tx(Hopping on)DH3(1) :Ver.B



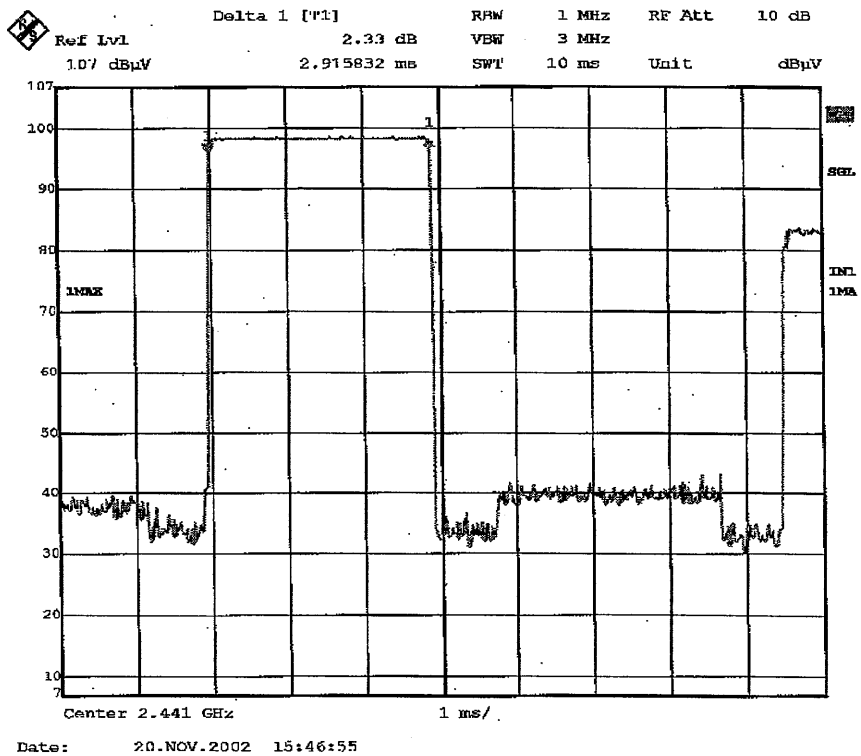
Dwell time :Tx(Hopping on)DH3(2):Ver.B



Dwell time :Tx(Hopping on)DH5(1):Ver.B

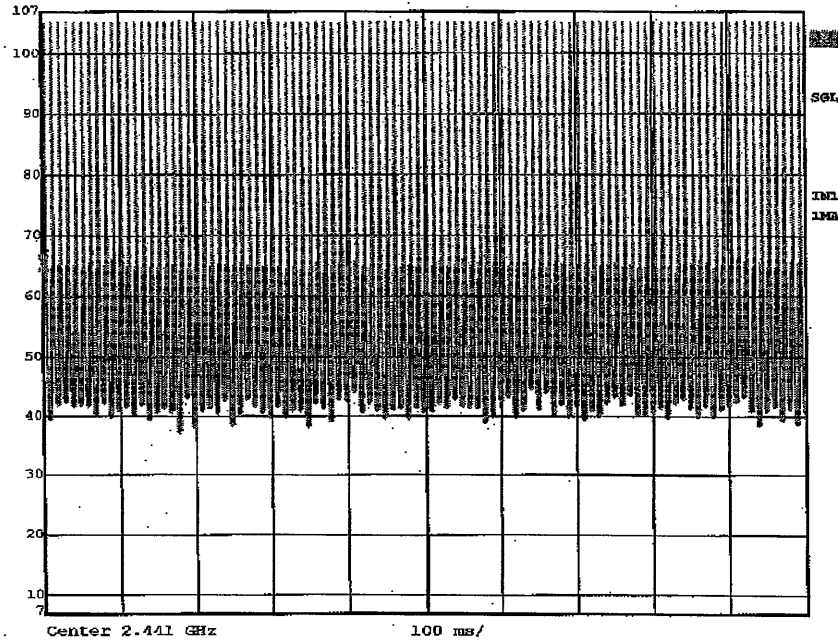


Dwell time :Tx(Hopping on)DH5(2):Ver.B



Dwell time :Inquiry (1):Ver.B

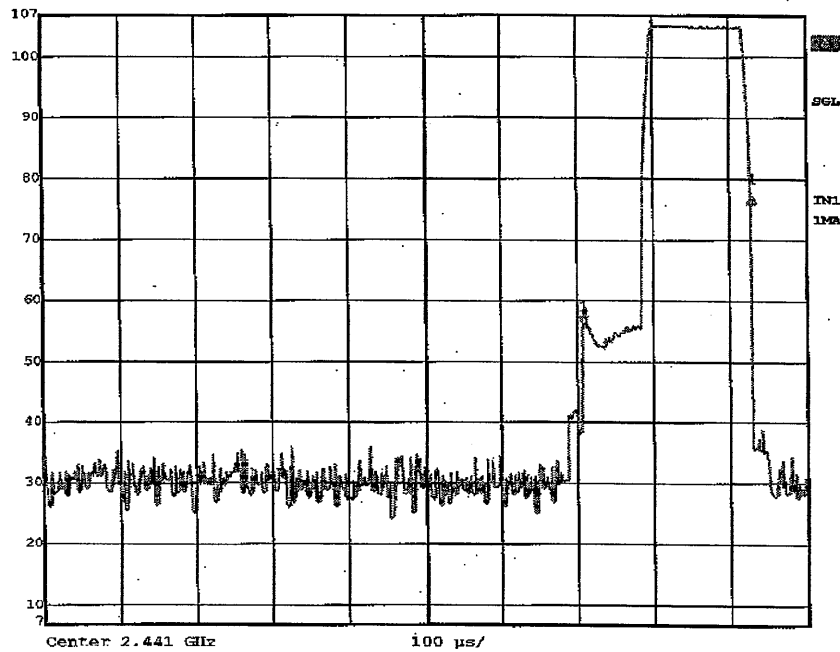

 Delta 1 [T1] REW 100 kHz RF Att 10 dB
 Ref Lvl 0.00 dB VBW 100 kHz
 107 dBuV 222.444890 μ s SWT 1 s Unit dBuV



Date: 20.NOV.2002 16:01:15

Dwell time :Inquiry (2):Ver.B


 Delta 1 [T1] REW 1 MHz RF Att 10 dB
 Ref Lvl 21.10 dB VBW 3 MHz
 107 dBuV 222.444890 μ s SWT 1 ms Unit dBuV



Date: 20.NOV.2002 15:56:13

DATA OF PEAK OUTPUT POWER(CONDUCTED)

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 : 175
REMARKS : Ver.A
POWER : AC120V/60Hz
MODE : Tx (Hopping off) / Inquiry

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(1)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 20°C
HUMIDITY : 39%


ENGINEER : Hiroka Umeyama

CH	FREQ [MHz]	T/R Reading [dBuV]	Cable Loss [dB]	Result [dBuV]	Result [dBm]	Limit (1W) [dBm]
Low	2402.0	104.8	1.7	106.5	-0.50	30.0
Mid	2441.0	105.2	1.8	107.0	-0.02	30.0
High	2480.0	105.3	1.8	107.1	0.12	30.0

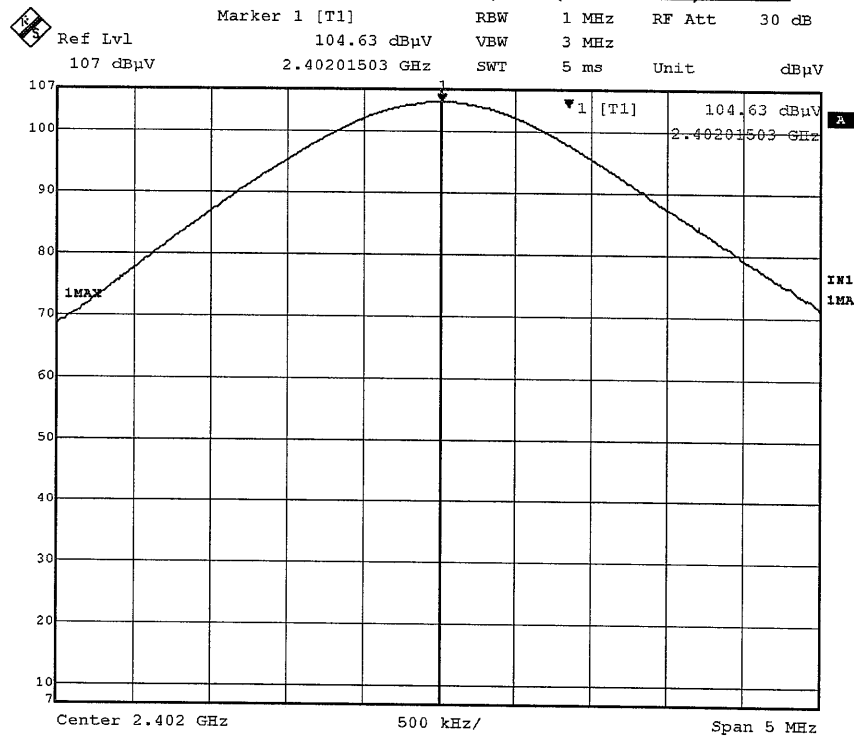
PK DETECT(S/A: span 5MHz, RBW 1MHz, VBW 3MHz, sweep time AUTO)

CH	FREQ [MHz]	S/A Reading [dBuV]	Cable Loss [dB]	Result [dBuV]	Result [dBm]	Limit (125mW) [dBm]
Inquiry	2441.0	105.1	1.8	106.9	-0.08	21.0

Sample Calculation :

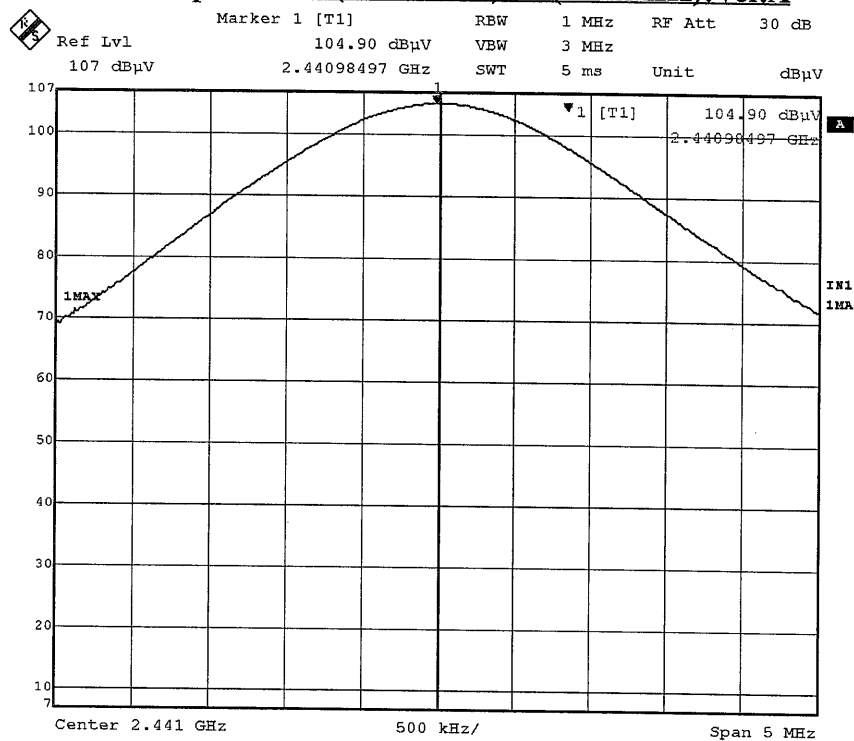
Result = T/R(S/A) Reading + Cable Loss

Peak Output Power(Conducted):Tx(2402MHz):Ver.A



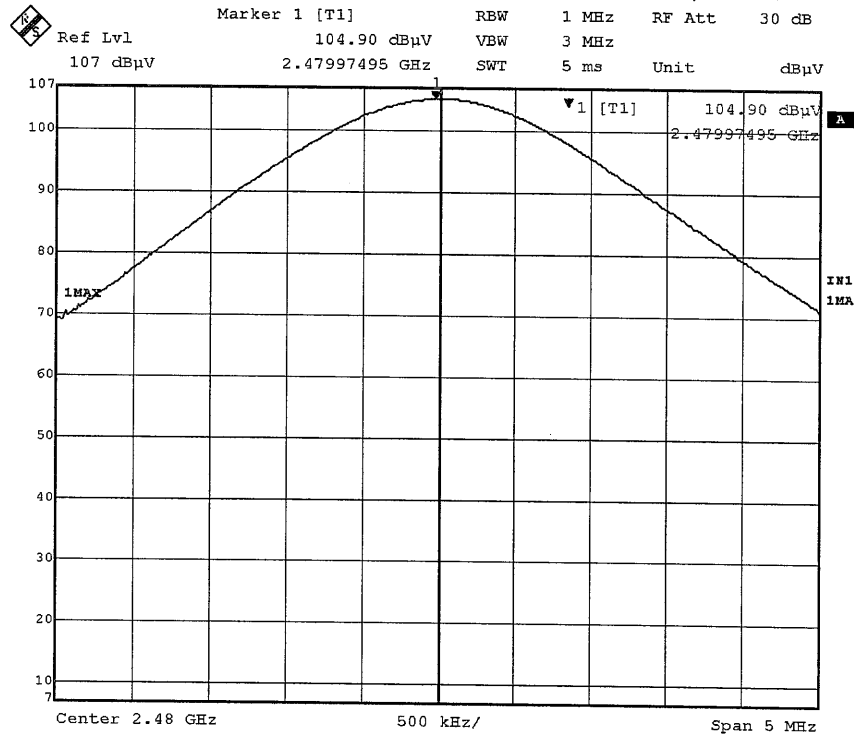
Date: 20.NOV.2002 14:12:07

Peak Output Power(Conducted):Tx(2441MHz):Ver.A



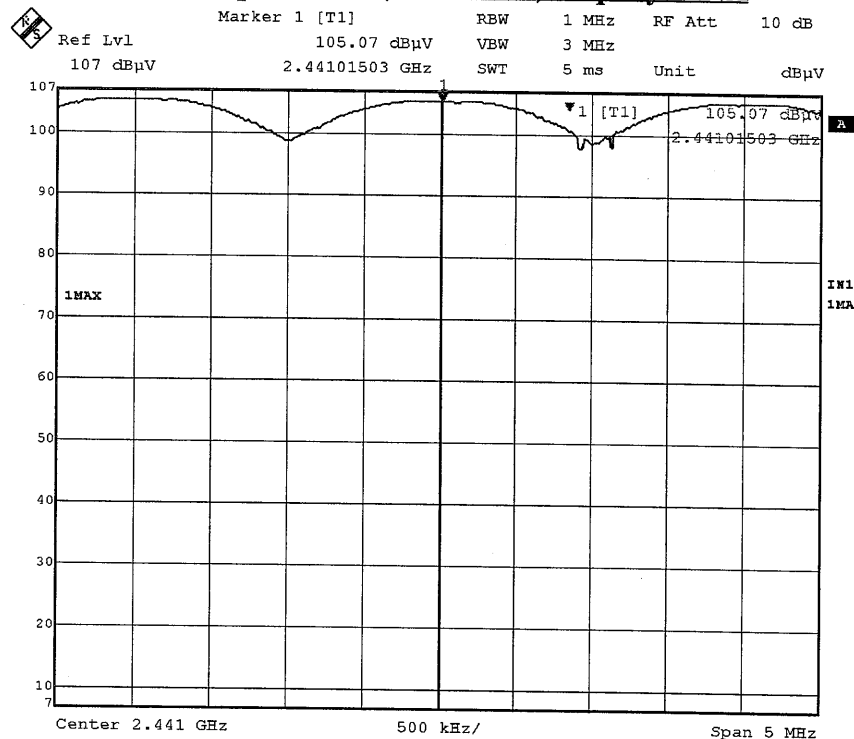
Date: 20.NOV.2002 14:14:36

Peak Output Power(Conducted):Tx(2480MHz):Ver.A



Date: 20.NOV.2002 14:17:15

Peak Output Power(Conducted):Inquiry:Ver.A



Date: 20.NOV.2002 14:09:52

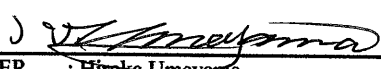
DATA OF PEAK OUTPUT POWER(CONDUCTED)

A-PEX INTERNATIONAL CO., LTD.

EMC HEAD OFFICE DIVISON No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Video Camera Recorder
MODEL : DCR-TRV80
S/N : 172
REMARKS : Ver.B
POWER : AC120V/60Hz
MODE : Tx (Hopping off) / Inquiry

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(1)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 20°C
HUMIDITY : 39%


ENGINEER : Hiroka Umeyama

CH	FREQ [MHz]	T/R Reading [dBuV]	Cable Loss [dB]	Result [dBuV]	Result [dBm]	Limit (1W) [dBm]
Low	2402.0	104.8	1.7	106.5	-0.50	30.0
Mid	2441.0	105.1	1.8	106.9	-0.12	30.0
High	2480.0	105.4	1.8	107.3	0.26	30.0

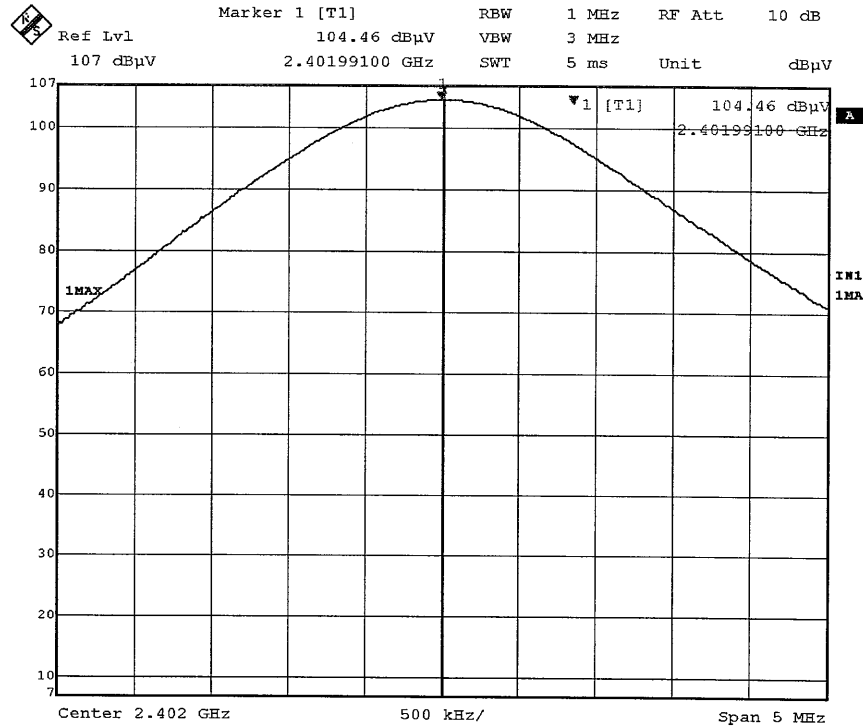
PK DETECT(S/A: span 5MHz, RBW 1MHz, VBW 3MHz, sweep time AUTO)

CH	FREQ [MHz]	S/A Reading [dBuV]	Cable Loss [dB]	Result [dBuV]	Result [dBm]	Limit (125mW) [dBm]
Inquiry	2441.0	105.2	1.8	107.0	0.02	21.0

Sample Calculation :

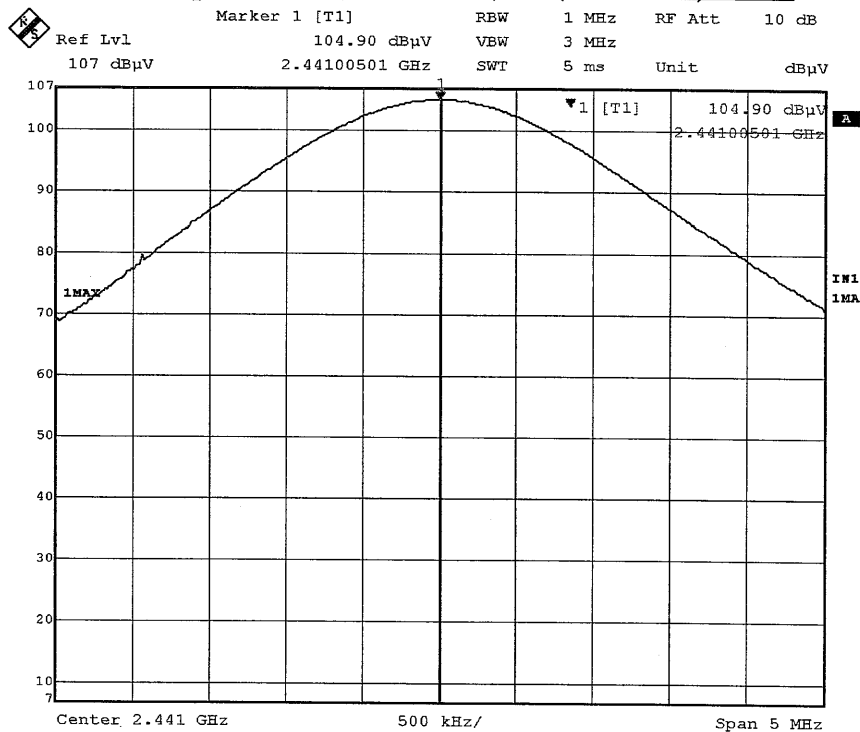
Result = T/R(S/A) Reading + Cable Loss

Peak Output Power(Conducted):Tx(2402MHz):Ver.B



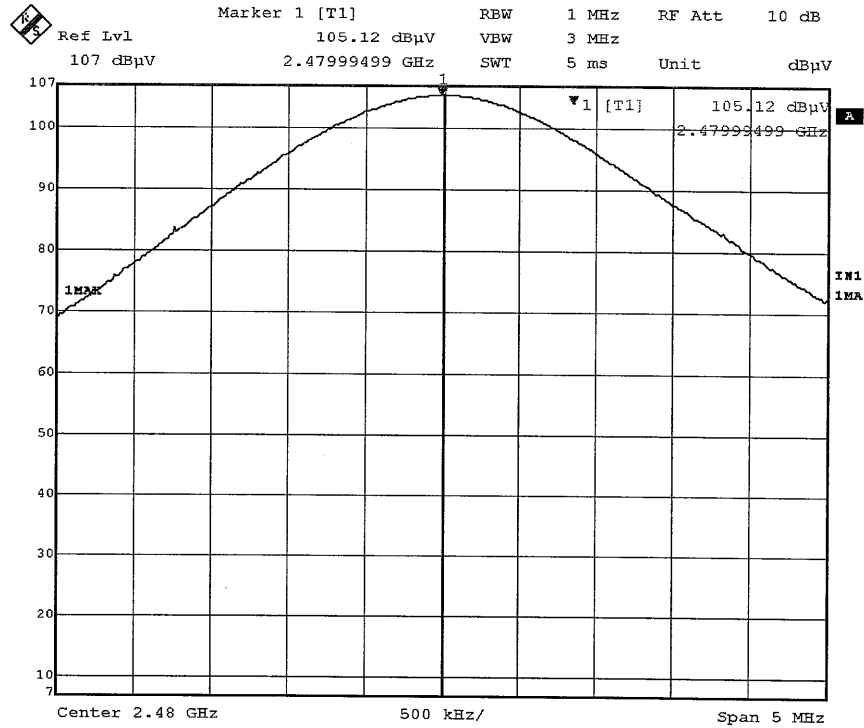
Date: 20.NOV.2002 13:33:34

Peak Output Power(Conducted):Tx(2441MHz):Ver.B



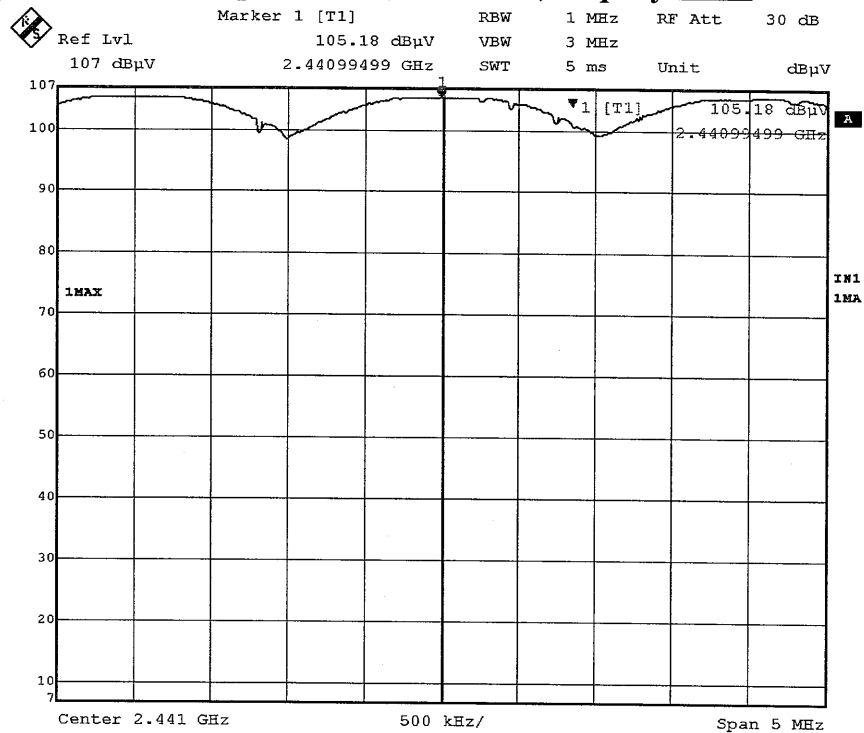
Date: 20.NOV.2002 13:38:15

Peak Output Power(Conducted):Tx(2480MHz):Ver.B



Date: 20.NOV.2002 13:40:30

Peak Output Power(Conducted):Inquiry:Ver.B



Date: 20.NOV.2002 14:25:46

DATA OF BAND EDGE

A-PEX INTERNATIONAL CO., LTD.

EMC HEAD OFFICE DIVISON No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Video Camera Recorder
MODEL : DCR-TRV80
S/N : 175
REMARKS : Ver.A
POWER : AC120V/60Hz
MODE : Tx (Hopping on) ,Tx (Hopping off 2402/2480MHz)

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 20°C
HUMIDITY : 39%


ENGINEER : Hiroka Umeyama

PK DETECT(S/A :Span 20/10MHz, RBW 200/100kHz/1MHz, VBW 200/100kHz/1MHz, sweep time AUTO)

[Hopping on] Conducted

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [nW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2390.0	42.9	1.7	44.6	0.58	-	32.8	<74[dBuV/m]
2400.0	58.7	1.7	60.4	-	46.3*	-	>20[dB]
2484.0	63.2	1.8	65.0	63.1	-	53.2	<74[dBuV/m]

* Reference : Reading (104.9[dBuV]) + Cable Loss (1.8[dB]) = E (106.7[dBuV]) at 2480MHz.

[Hopping off Tx (2402/2480MHz)] Conducted

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [nW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2390.0	40.4	1.7	42.1	0.32	-	30.3	<74[dBuV/m]
2400.0	60.8	1.7	62.5	-	44.3*	-	>20[dB]
2484.0	63.7	1.8	65.5	70.8	-	53.7	<74[dBuV/m]

* Reference : Reading (105.0[dBuV]) + Cable Loss (1.8[dB]) = E (106.8[dBuV]) at 2480MHz.

Sample Calculation:

Field Strength = $(\sqrt{30 \cdot P \cdot 10^{-9} \cdot G}) / d$

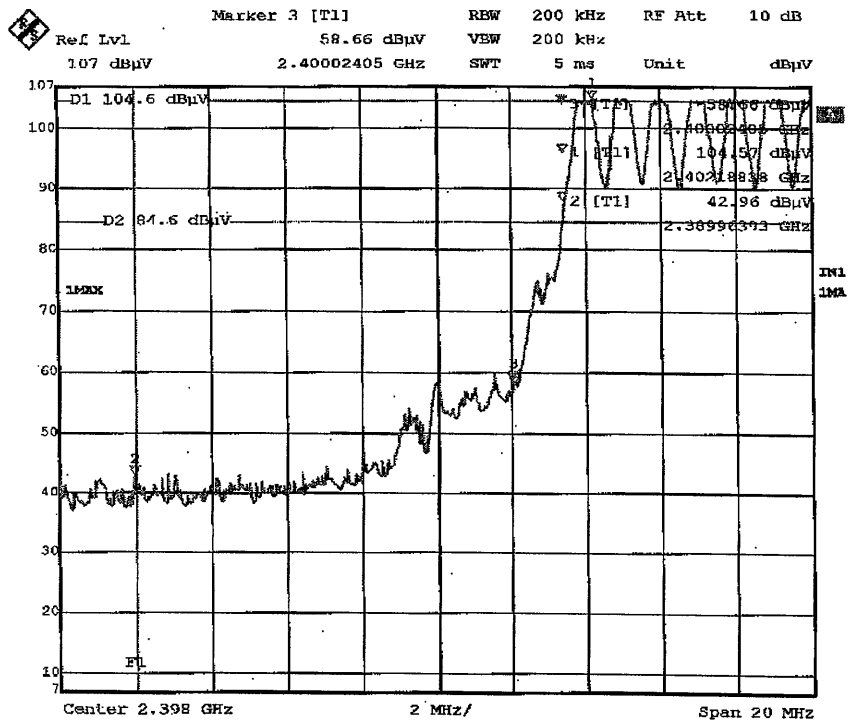
E : Reading + Cable Loss

P : Converted to nW

d : Test distance(3.0m)

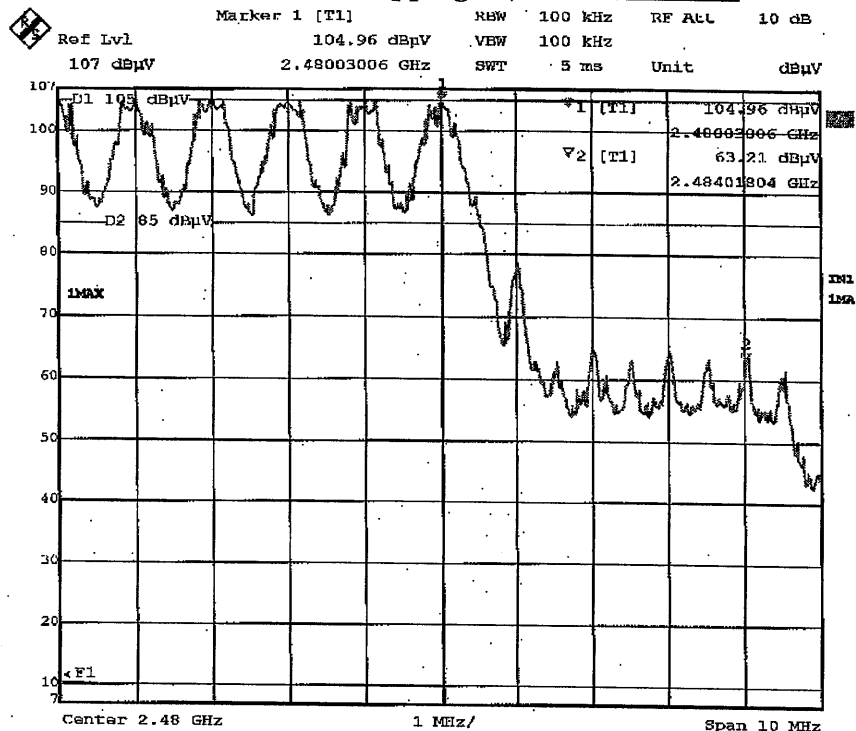
G : Numeric Antenna Gain (1.0)

Band Edge :Tx(Hopping on)2402MHz:Ver.A



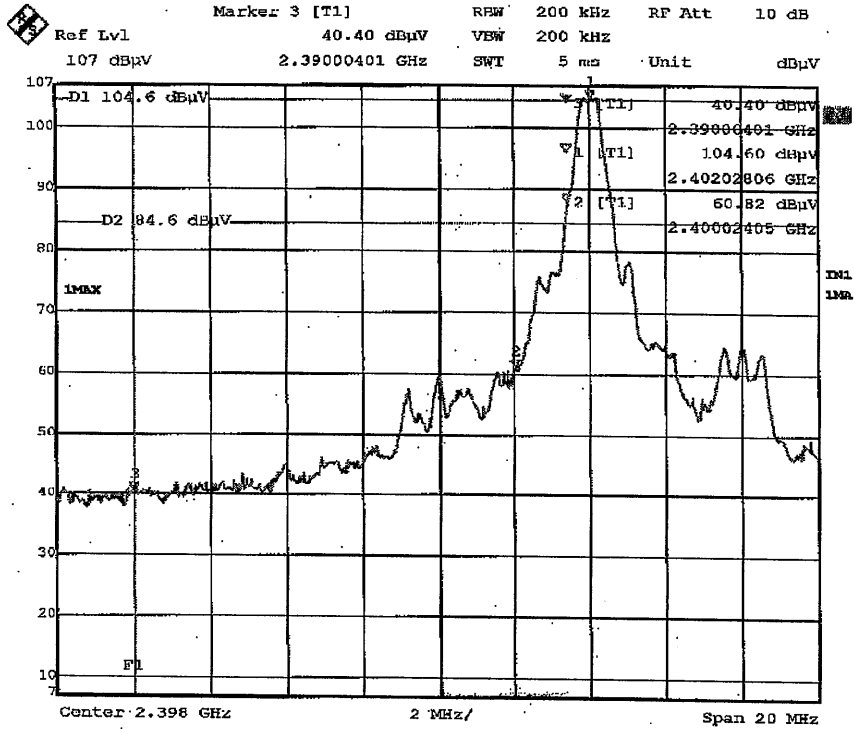
Date: 20.NOV.2002 18:36:07

Band Edge :Tx(Hopping on)2480MHz:Ver.A



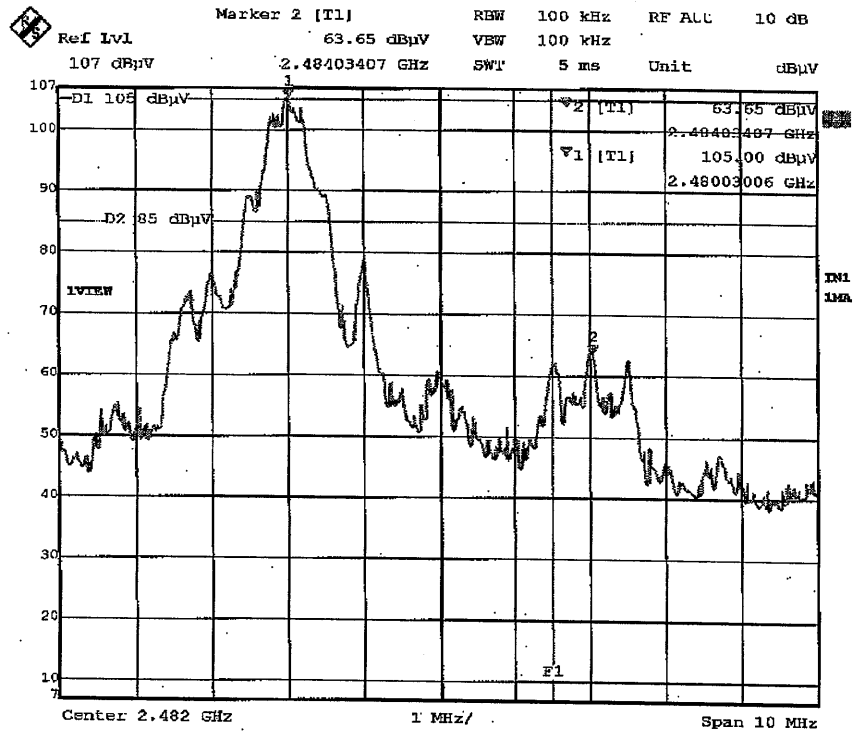
Date: 20.NOV.2002 18:49:50

Band Edge :Tx(Hopping off)2402MHz:Ver.A



Date: 20.NOV.2002 18:40:59

Band Edge :Tx(Hopping off)2480MHz:Ver.A



Date: 20.NOV.2002 18:55:42

DATA OF BAND EDGE

A-PEX INTERNATIONAL CO., LTD.

EMC HEAD OFFICE DIVISON No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Video Camera Recorder
MODEL : DCR-TRV80
S/N : 172
REMARKS : Ver.B
POWER : AC120V/60Hz
MODE : Tx (Hopping on) ,Tx (Hopping off 2402/2480MHz)

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 20°C
HUMIDITY : 39%


ENGINEER : Hiroka Umeyama

PK DETECT(S/A :Span 20/10MHz, RBW 200/100kHz ,VBW 200/100kHz, sweep time AUTO)

[Hopping on] Conducted

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [nW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2390.0	44.4	1.7	46.1	0.81	-	34.3	<74[dBuV/m]
2400.0	62.0	1.7	63.7	-	43.2*	-	>20[dB]
2483.5	58.6	1.8	60.4	21.9	-	48.6	<74[dBuV/m]

* Reference : Reading (105.1[dBuV]) + Cable Loss (1.8[dB]) = E (106.9[dBuV]) at 2480MHz.

[Hopping off Tx (2402/2480MHz)] Conducted

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [nW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2390.0	41.5	1.7	43.2	0.42	-	31.4	<74[dBuV/m]
2400.0	61.5	1.7	63.2	-	43.8*	-	>20[dB]
2484.5	60.8	1.8	62.6	36.3	-	50.8	<74[dBuV/m]

* Reference : Reading (105.2[dBuV]) + Cable Loss (1.8[dB]) = E (107.0[dBuV]) at 2480MHz.

Sample Calculation:

Field Strength = $(\sqrt{30 \cdot P \cdot 10^{-9} \cdot G}) / d$

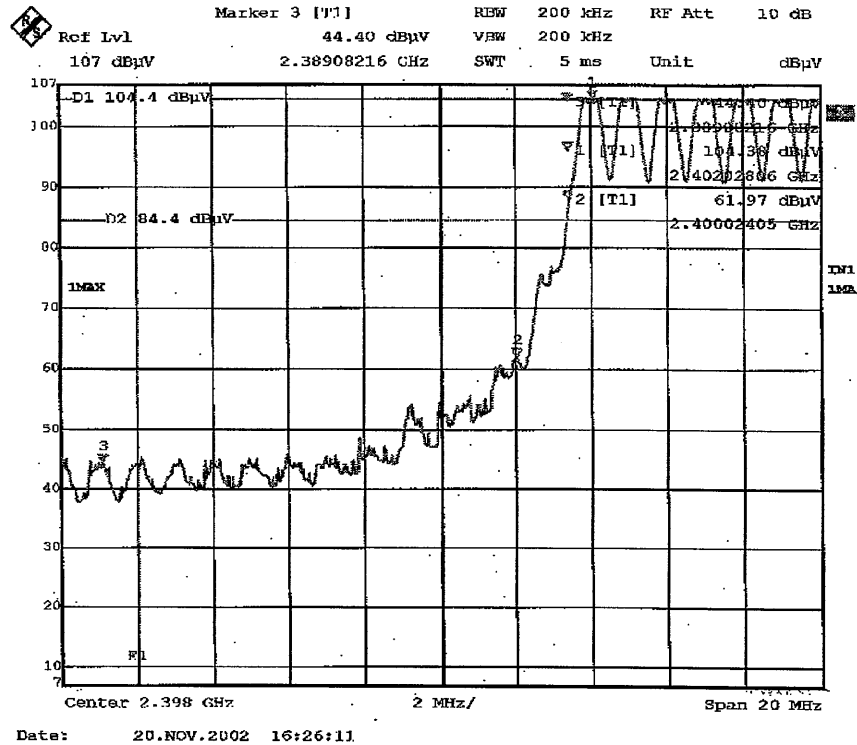
E : Reading + Cable Loss

P : Converted to nW

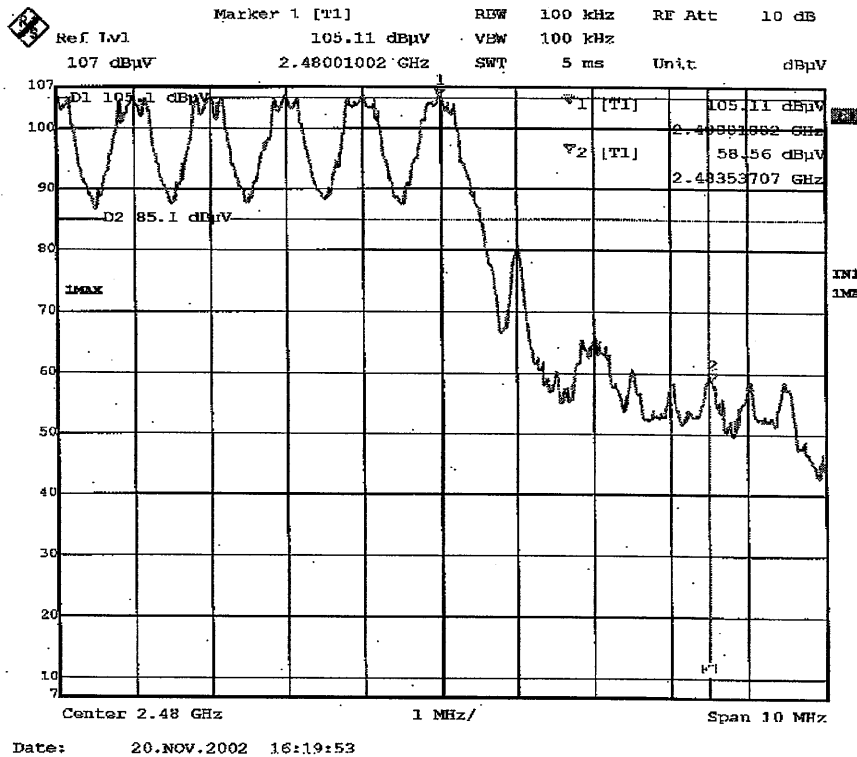
d : Test distance(3.0m)

G : Numeric Antenna Gain (1.0)

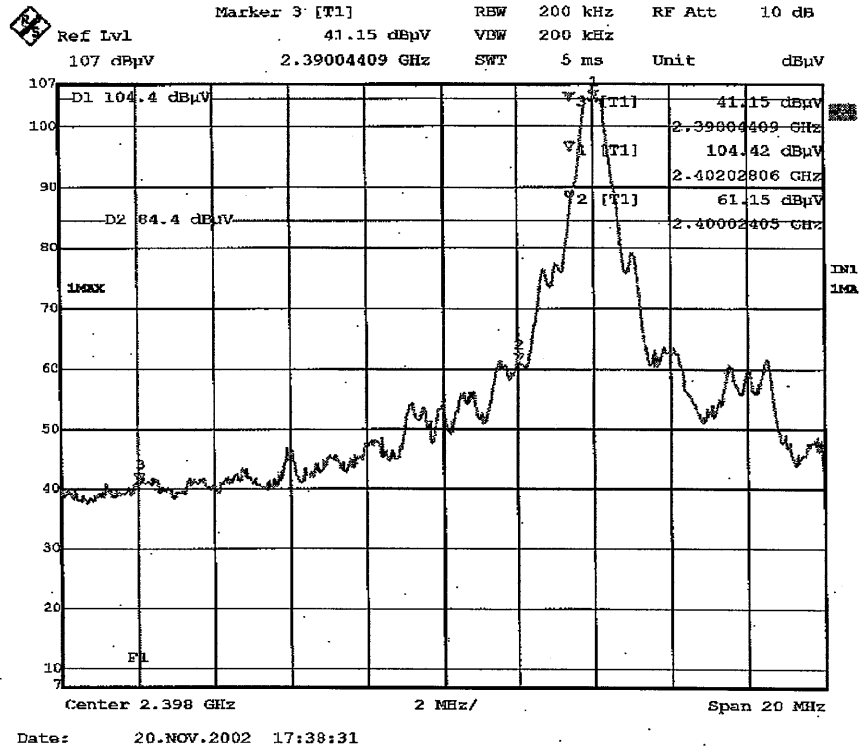
Band Edge :Tx(Hopping on)2402MHz:Ver.B



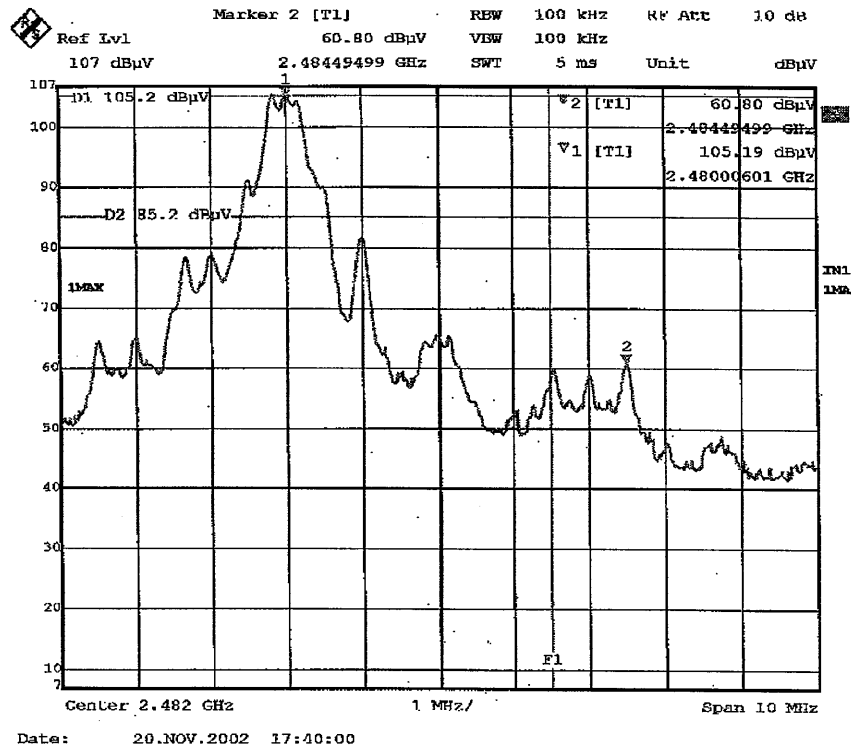
Band Edge :Tx(Hopping on)2480MHz:Ver.B



Band Edge :Tx(Hopping off)2402MHz:Ver.B



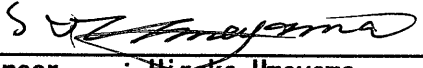
Band Edge :Tx(Hopping off)2480MHz:Ver.B



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 (2402MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation : FCC § 15.247 (C)


Engineer : Hiroka Umeyama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	42.95	BB	22.3	31.7	13.5	27.4	0.7	5.8	14.9	24.3	40.0	25.1	15.7
2.	95.49	BB	31.4	34.4	9.6	26.9	1.1	5.8	21.0	24.0	43.5	22.5	19.5
3.	109.62	BB	34.9	36.5	11.7	26.8	1.2	5.8	26.8	28.4	43.5	16.7	15.1
4.	129.29	BB	29.2	31.4	13.8	26.7	1.2	5.8	23.3	25.5	43.5	20.2	18.0
5.	188.99	BB	34.4	33.4	17.0	26.1	1.6	5.8	32.7	31.7	43.5	10.8	11.8
6.	270.00	BB	42.0	38.5	18.8	26.2	1.9	5.7	42.2	38.7	46.0	3.8	7.3
7.	404.99	BB	36.8	29.1	17.4	27.0	2.5	5.8	35.5	27.8	46.0	10.5	18.2
8.	540.00	BB	31.0	35.1	18.7	27.7	2.8	5.8	30.6	34.7	46.0	15.4	11.3
9.	728.98	BB	29.1	27.1	20.0	27.5	3.6	5.8	31.0	29.0	46.0	15.0	17.0

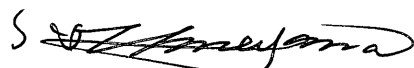
CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

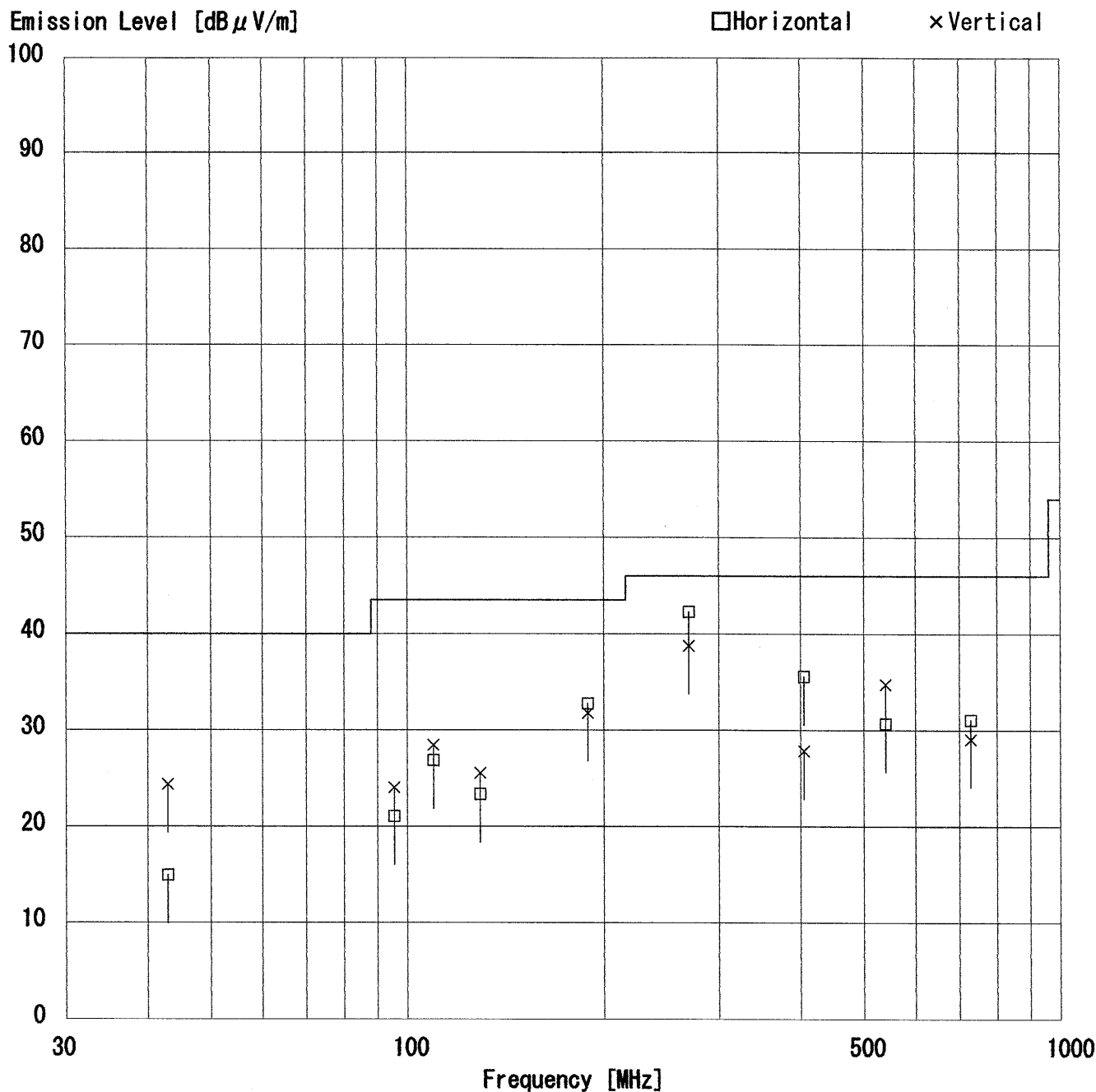
All other spurious emissions were less than 20dB for the limit.

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 (2402MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation : FCC § 15. 247 (C)

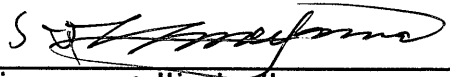

Engineer : Hiroka Umeyama



DATA OF 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 (2441MHz)
Remarks : Ver. A
Date : 11/15/2002
Test Distance : 3 m
Temperature : 22 °C
Humidity : 38 %
Regulation : FCC § 15. 247 (C)


Engineer : Hiroka Umeyama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	42.95	BB	20.7	31.7	13.5	27.4	0.7	5.8	13.3	24.3	40.0	26.7	15.7
2.	95.49	BB	28.2	34.5	9.6	26.9	1.1	5.8	17.8	24.1	43.5	25.7	19.4
3.	109.62	BB	34.8	34.7	11.7	26.8	1.2	5.8	26.7	26.6	43.5	16.8	16.9
4.	129.29	BB	29.0	29.8	13.8	26.7	1.2	5.8	23.1	23.9	43.5	20.4	19.6
5.	188.99	BB	31.1	31.3	17.0	26.1	1.6	5.8	29.4	29.6	43.5	14.1	13.9
6.	270.00	BB	42.7	38.5	18.8	26.2	1.9	5.7	42.9	38.7	46.0	3.1	7.3
7.	350.99	BB	37.8	28.8	15.9	26.6	2.2	5.7	35.0	26.0	46.0	11.0	20.0
8.	540.00	BB	32.2	35.3	18.7	27.7	2.8	5.8	31.8	34.9	46.0	14.2	11.1
9.	728.98	BB	28.4	25.1	20.0	27.5	3.6	5.8	30.3	27.0	46.0	15.7	19.0

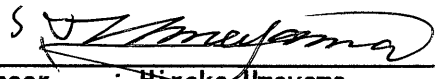
CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

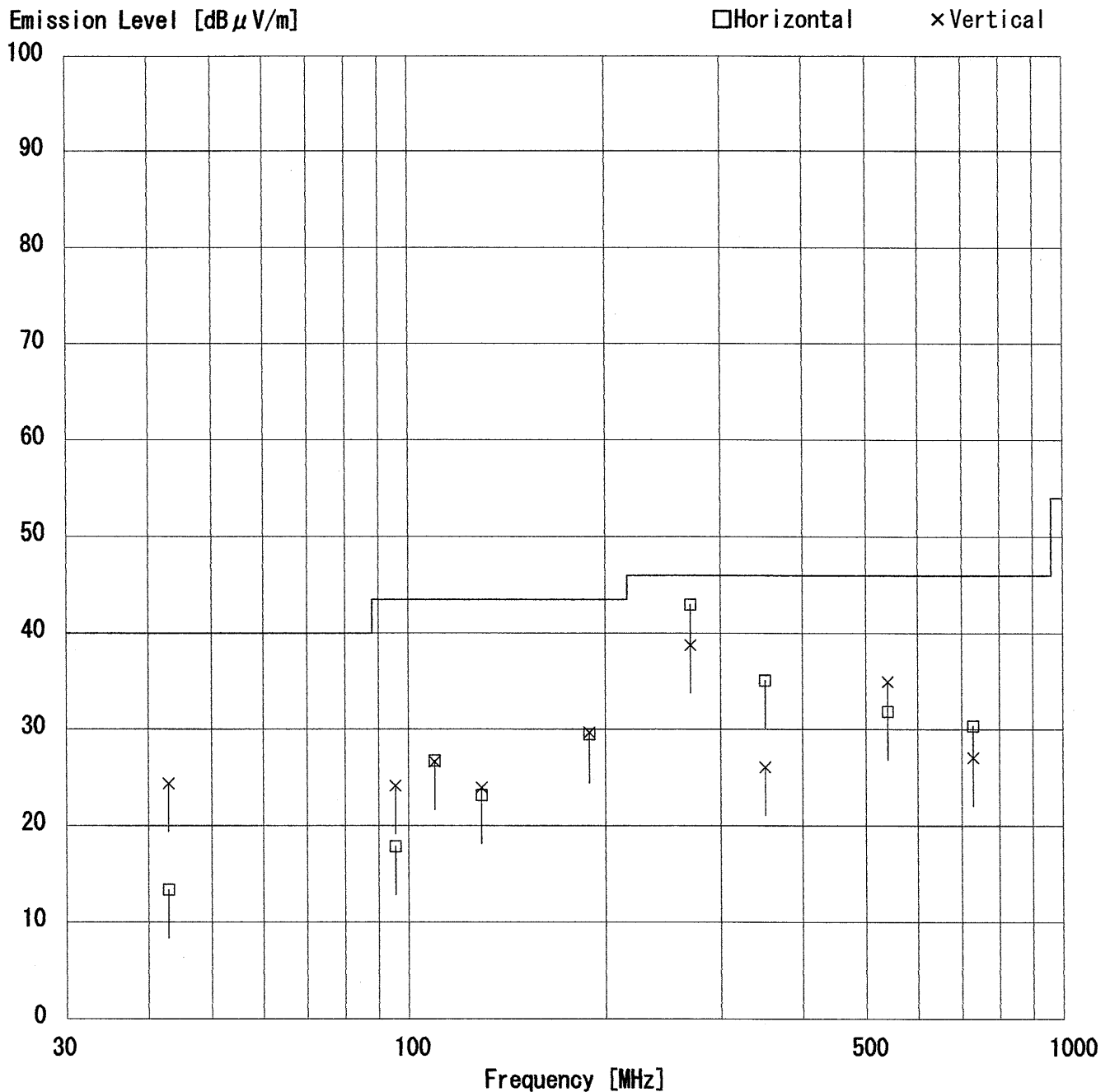
All other spurious emissions were less than 20dB for the limit.

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 (2441MHz)
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 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

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	42.95	BB	21.2	32.8	13.5	27.4	0.7	5.8	13.8	25.4	40.0	26.2	14.6
2.	95.49	BB	28.1	34.1	9.6	26.9	1.1	5.8	17.7	23.7	43.5	25.8	19.8
3.	109.62	BB	32.8	34.3	11.7	26.8	1.2	5.8	24.7	26.2	43.5	18.8	17.3
4.	129.29	BB	28.6	31.5	13.8	26.7	1.2	5.8	22.7	25.6	43.5	20.8	17.9
5.	270.00	BB	42.1	39.3	18.8	26.2	1.9	5.7	42.3	39.5	46.0	3.7	6.5
6.	350.99	BB	38.0	29.1	15.9	26.6	2.2	5.7	35.2	26.3	46.0	10.8	19.7
7.	472.49	BB	31.0	32.4	18.2	27.4	2.7	5.8	30.3	31.7	46.0	15.7	14.3
8.	540.00	BB	32.4	32.0	18.7	27.7	2.8	5.8	32.0	31.6	46.0	14.0	14.4
9.	998.98	BB	26.4	30.1	22.8	26.3	4.2	5.7	32.8	36.5	54.0	21.2	17.5

CALCULATION: READING[dB μV] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

All other spurious emissions were less than 20dB for the limit.