

DATA OF CONDUCTION 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 : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation : FCC 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	QP [dBuV]	AV				QP [dBuV]	AV	QP [dBuV]	AV	QP [dB]	AV
1.	0.2076	33.6	-	33.7	-	0.0	9.8	0.0	43.5	-	63.3	53.3	19.8	-
2.	0.3118	30.0	-	29.0	-	0.0	9.9	0.0	39.9	-	59.9	49.9	20.0	-
3.	0.4154	23.9	-	24.0	-	0.1	9.9	0.0	34.0	-	57.5	47.5	23.5	-
4.	0.6230	25.2	-	22.8	-	0.1	10.0	0.0	35.3	-	56.0	46.0	20.7	-
5.	1.7640	22.6	-	20.8	-	0.1	10.1	0.0	32.8	-	56.0	46.0	23.2	-
6.	4.8776	25.7	-	24.3	-	0.2	10.4	0.0	36.3	-	56.0	46.0	19.7	-
7.	5.1892	26.2	-	24.7	-	0.2	10.4	0.0	36.8	-	60.0	50.0	23.2	-
8.	11.2086	21.4	-	21.4	-	0.4	10.7	0.0	32.5	-	60.0	50.0	27.5	-

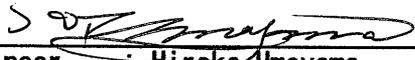
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

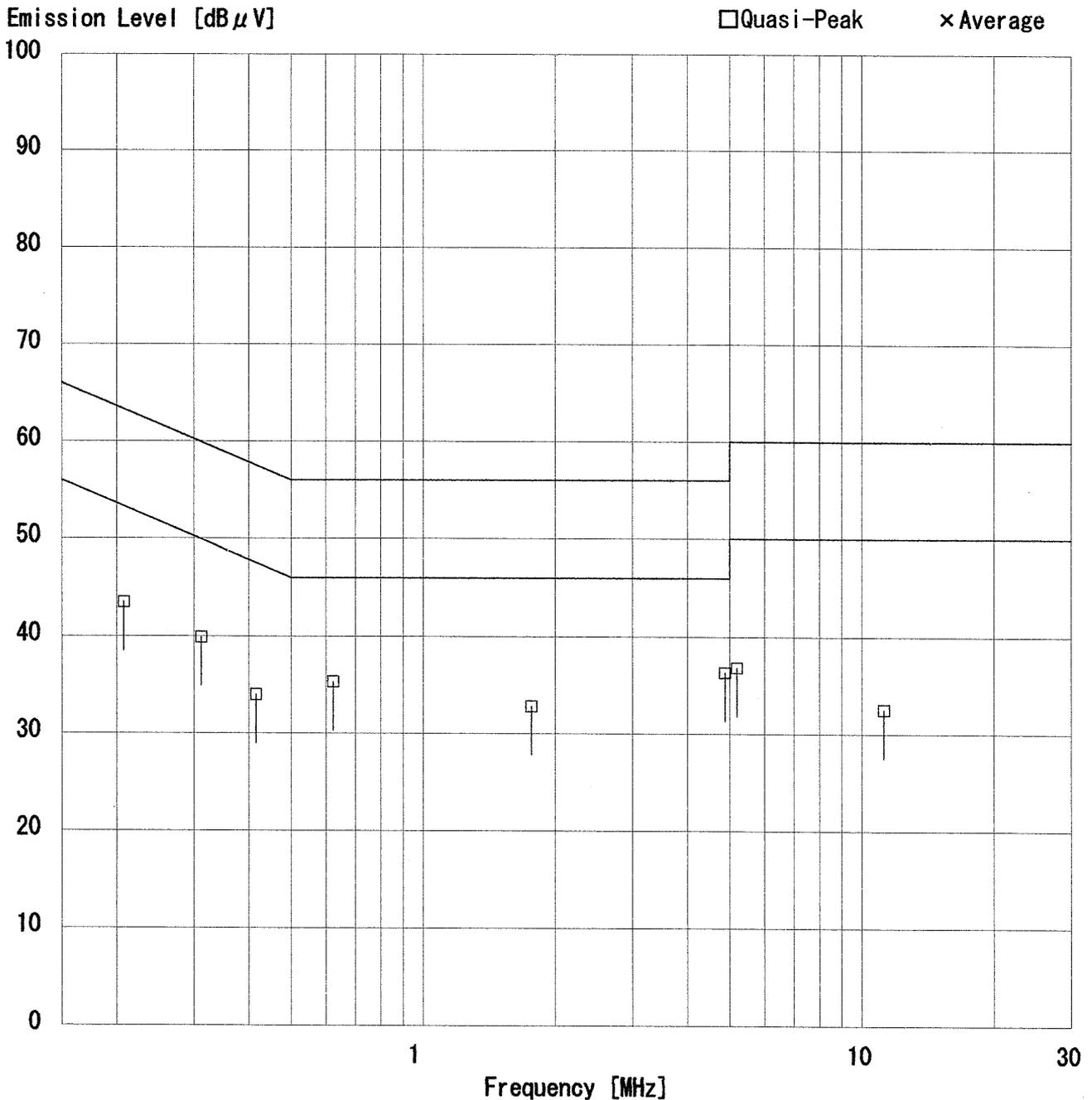
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LISN:MLS-06

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Remarks : Ver. A
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation : FCC 15.207 (0.15-30MHz)


Engineer : Hiroka Umeyama

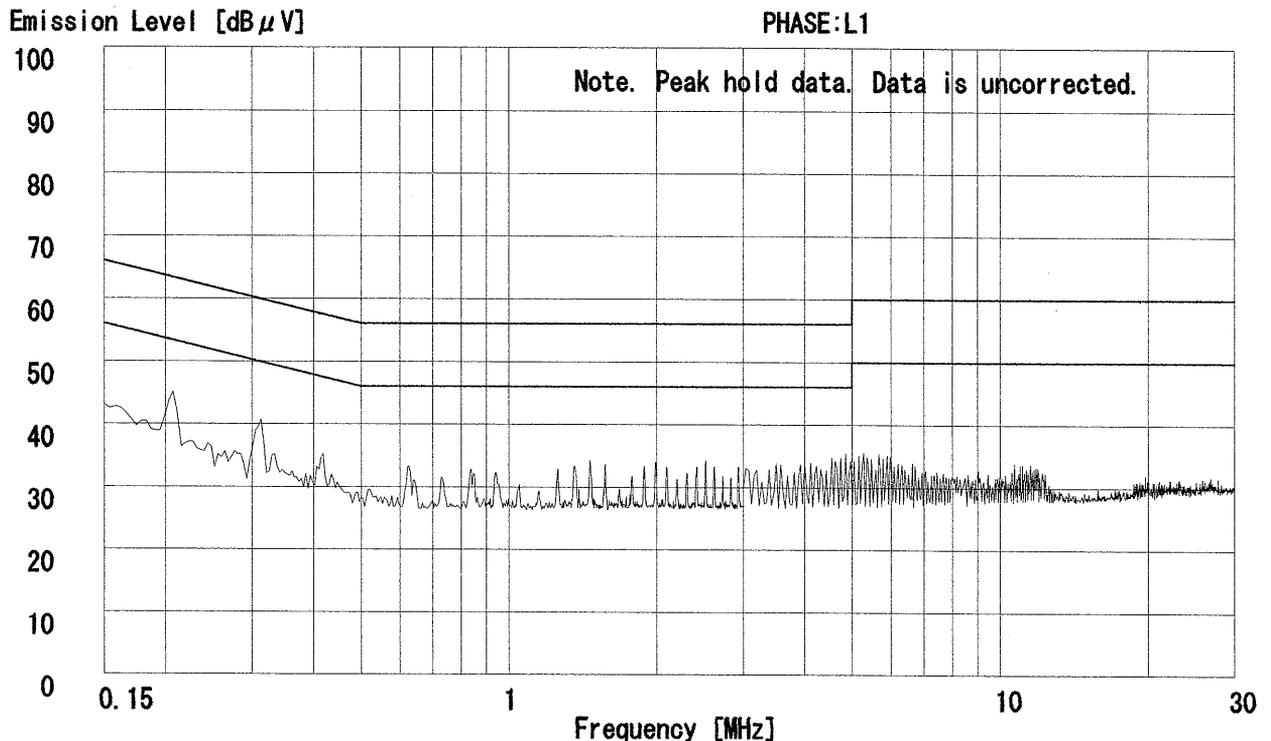
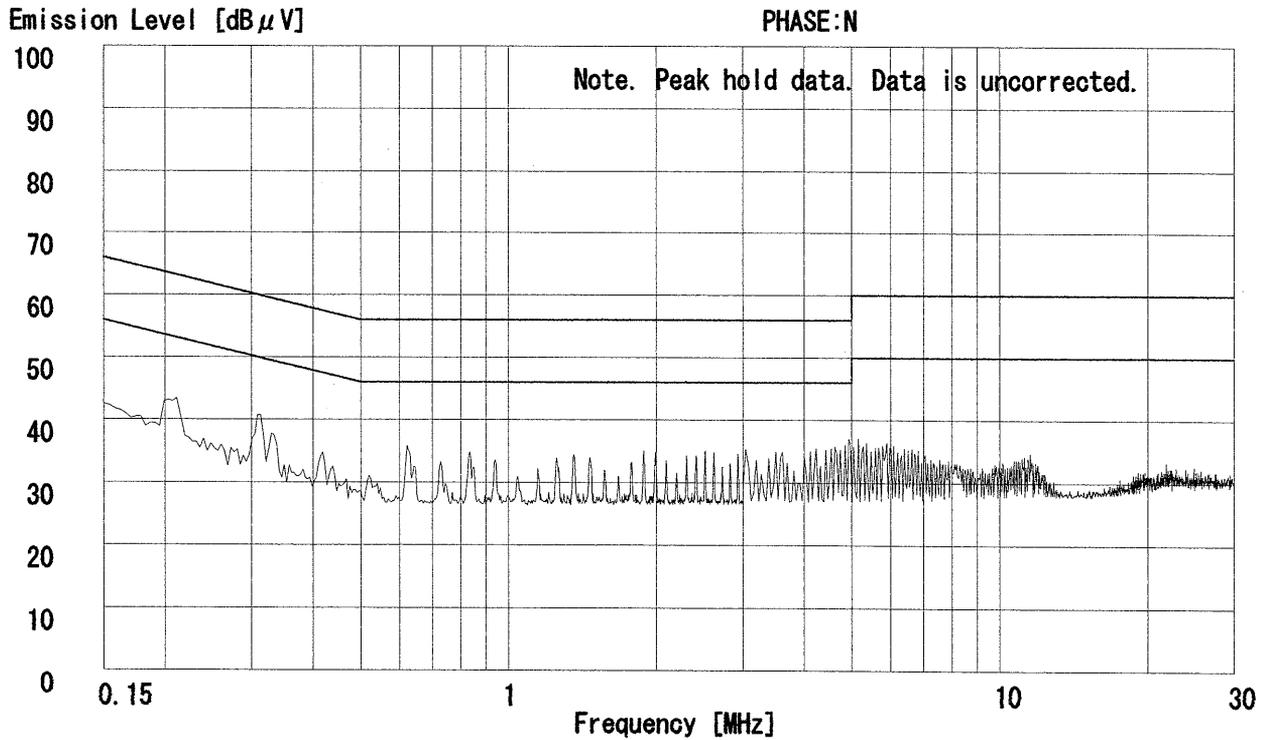


DATA OF CONDUCTION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
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Remarks : Ver. A
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

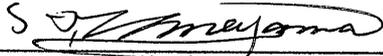

Engineer : Hiroka Umeyama

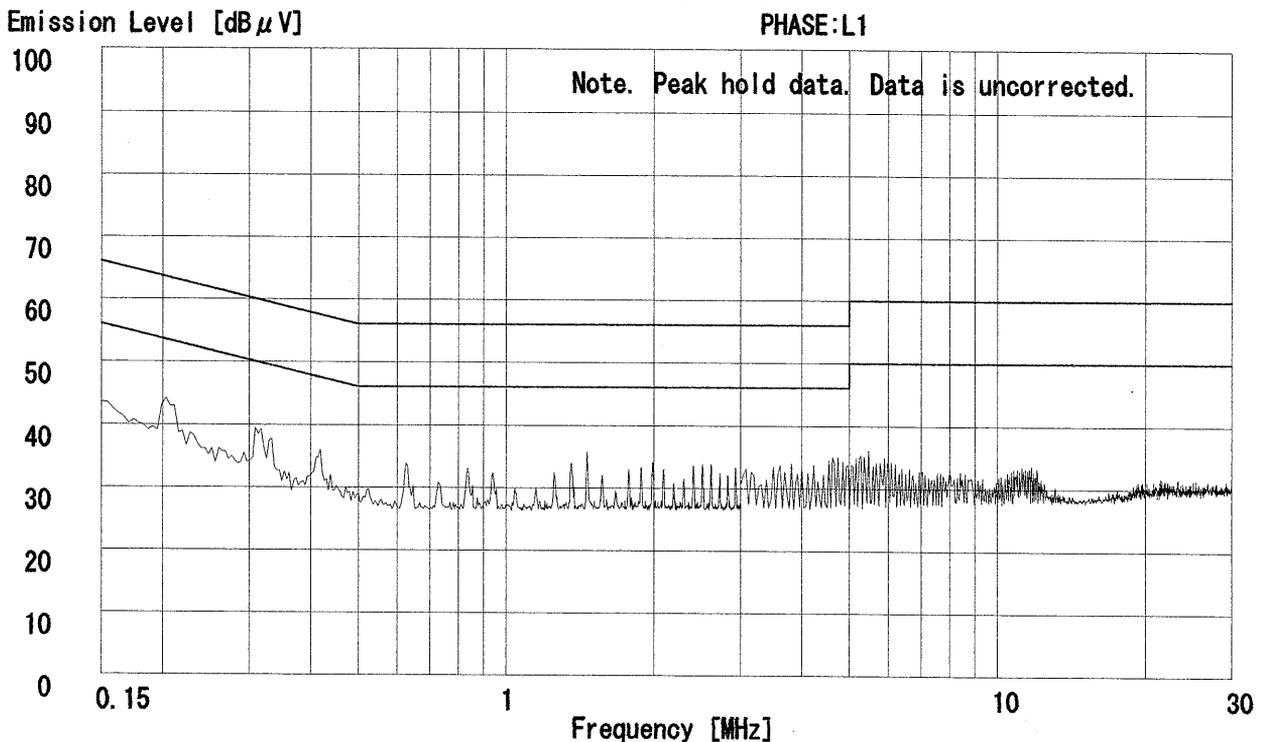
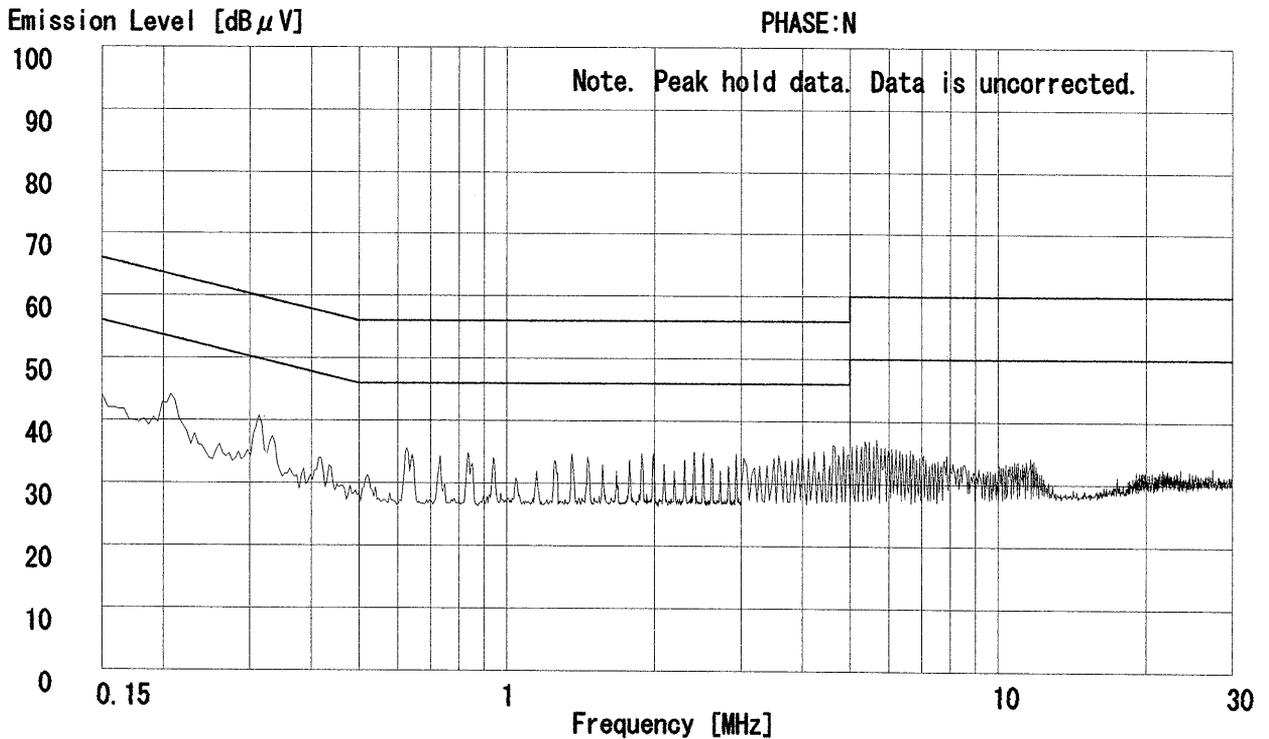


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Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Tx (2441MHz)
Remarks : Ver. A
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None


Engineer : Hiroka Umeyama

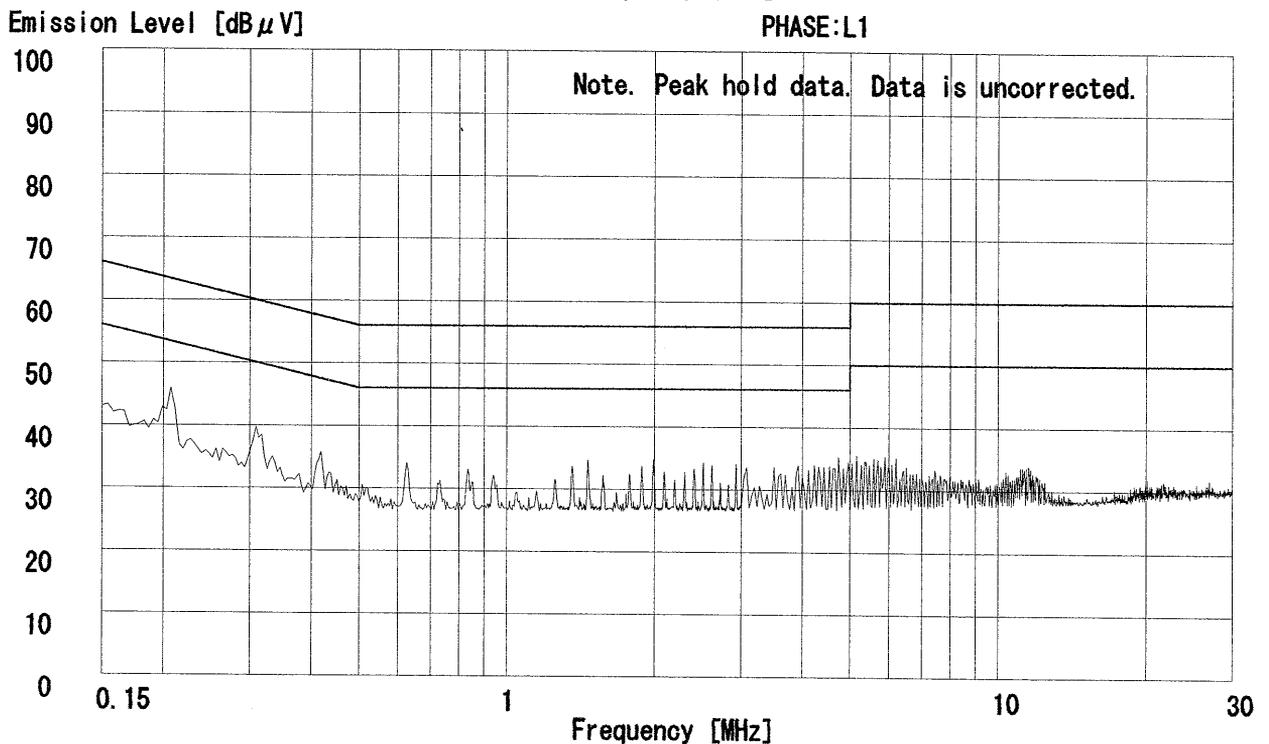
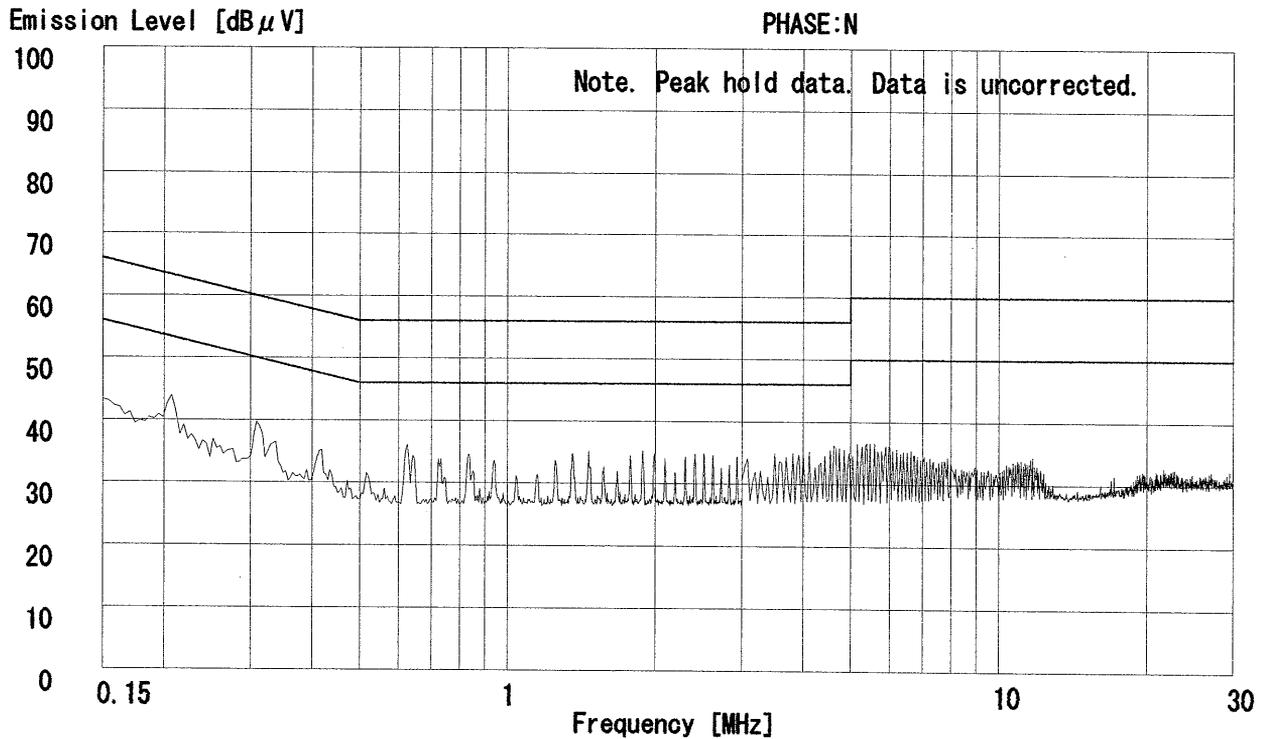


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No.2 SEMI ANECHOIC CHAMBER
Report No. : 23CE0075-H0

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 : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

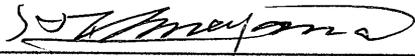
S. Umeyama
Engineer : Hiroka Umeyama

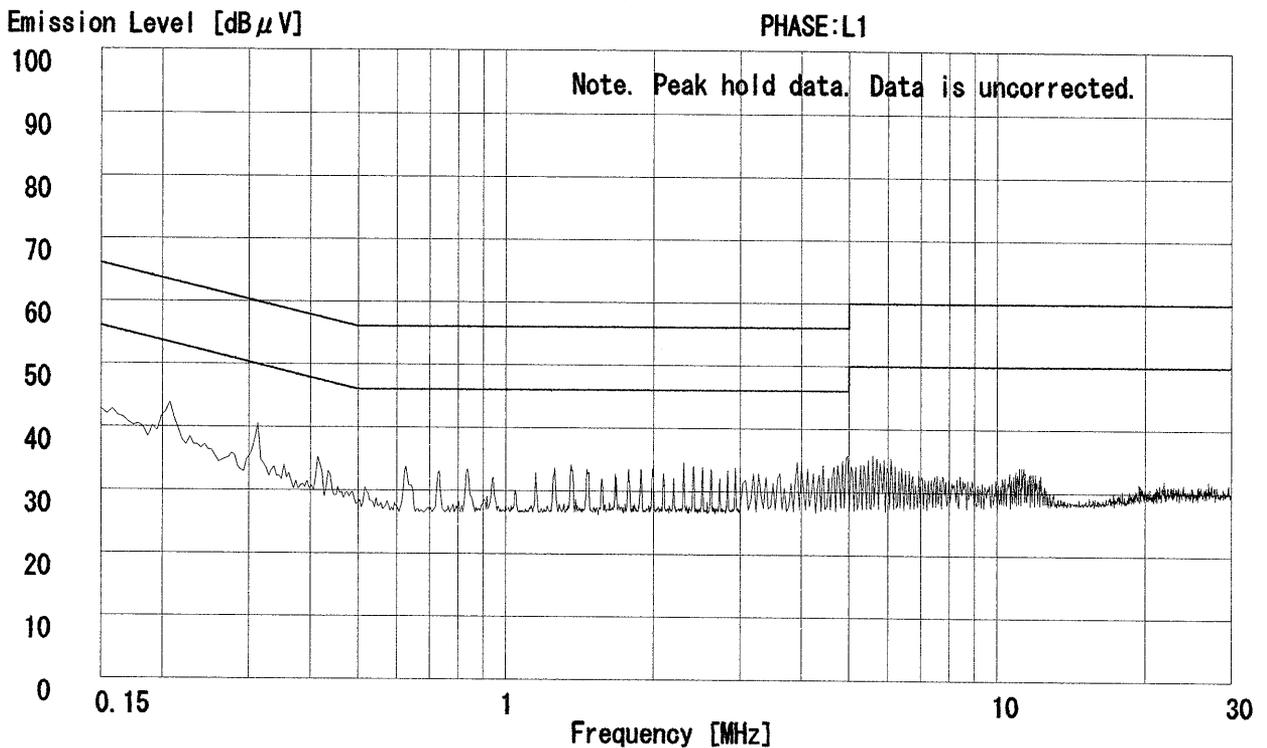
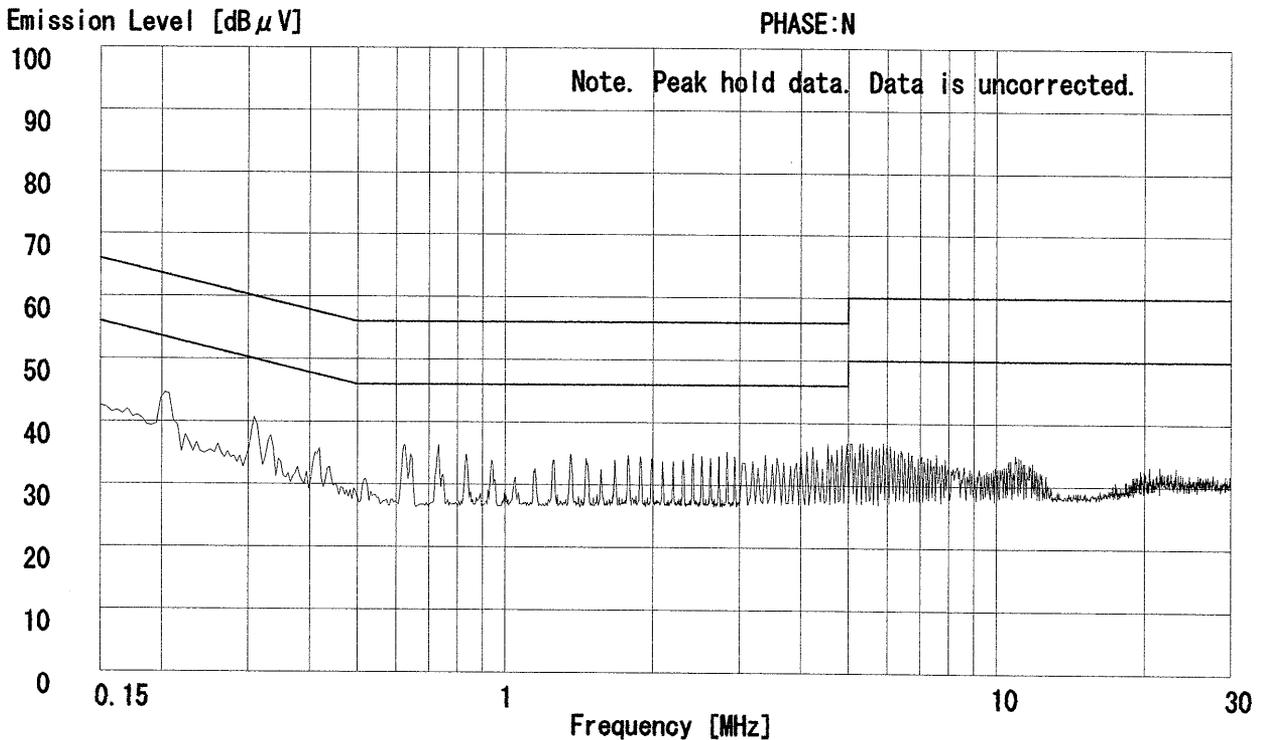


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Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 111
Power : AC120V/60Hz
Mode : Standby
Remarks : Ver. A
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

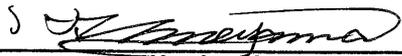

Engineer : Hiroka Umeyama



DATA OF CONDUCTION TEST

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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. : 108
Power : AC120V/60Hz
Mode : Tx (2402MHz)
Remarks : Ver. B
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation : FCC 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	QP [dBuV]	AV				QP [dBuV]	AV	QP [dBuV]	AV	QP [dB]	AV
1.	0.2075	34.1	-	33.9	-	0.0	9.8	0.0	43.9	-	63.3	53.3	19.4	-
2.	0.3138	29.7	-	28.2	-	0.0	9.9	0.0	39.6	-	59.9	49.9	20.3	-
3.	0.4170	24.2	-	24.0	-	0.1	9.9	0.0	34.2	-	57.5	47.5	23.3	-
4.	0.6237	26.5	-	24.0	-	0.1	10.0	0.0	36.6	-	56.0	46.0	19.4	-
5.	1.7678	24.0	-	23.0	-	0.1	10.1	0.0	34.2	-	56.0	46.0	21.8	-
6.	4.8831	27.0	-	25.4	-	0.2	10.4	0.0	37.6	-	56.0	46.0	18.4	-
7.	5.4044	27.1	-	25.8	-	0.2	10.4	0.0	37.7	-	60.0	50.0	22.3	-
8.	11.1200	22.2	-	22.1	-	0.4	10.7	0.0	33.3	-	60.0	50.0	26.7	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

Except for the above table : adequate margin data below the limits.
LISN:MLS-06

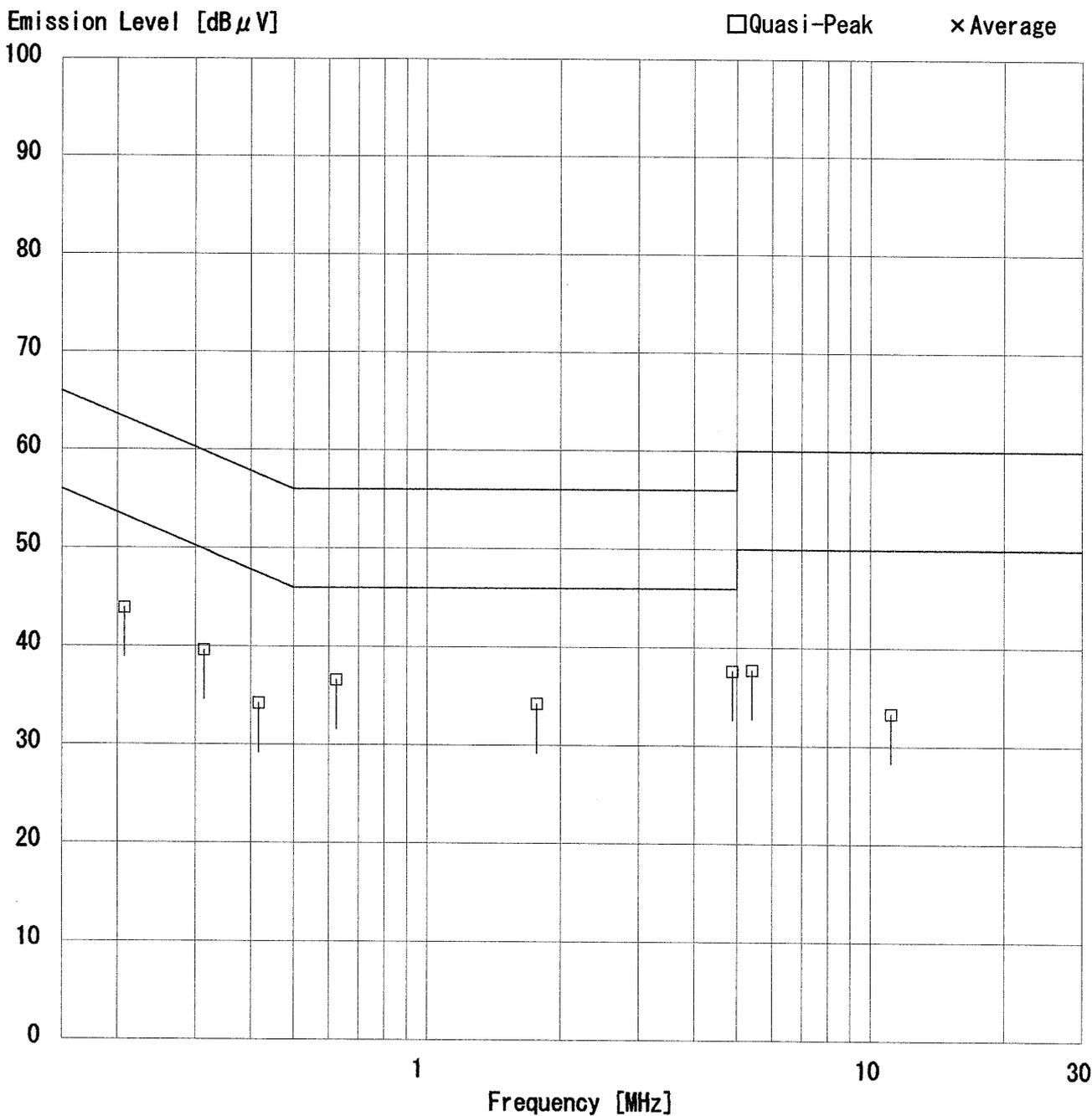
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S. Umeyama

 Engineer : Hiroka Umeyama

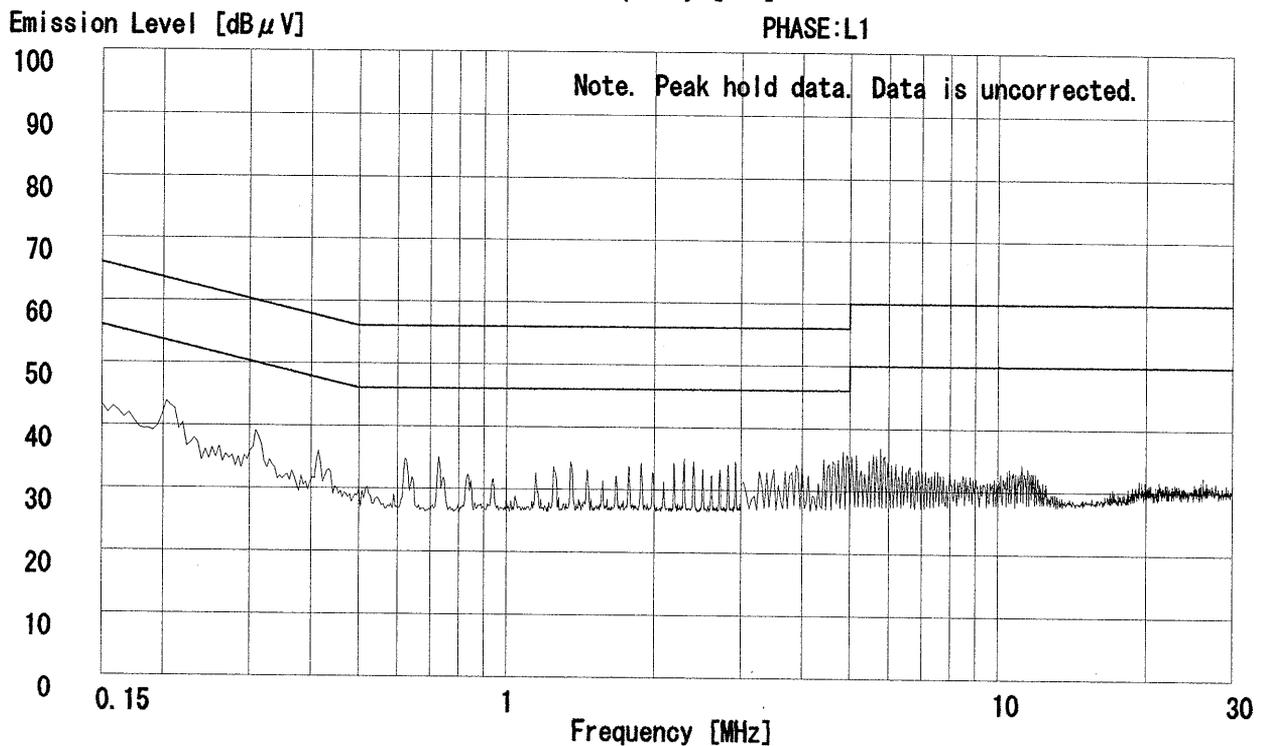
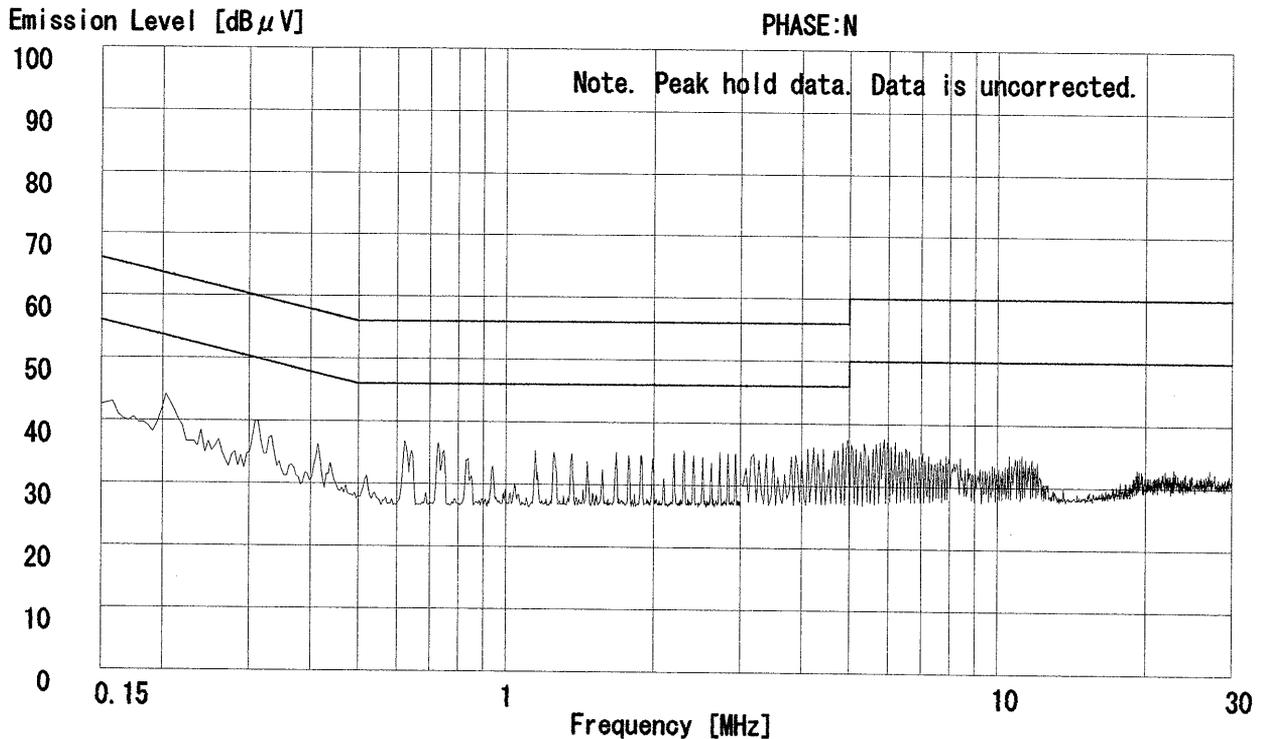


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Remarks : Ver. B
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Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

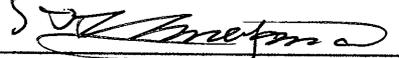

Engineer : Hiroka Umeyama

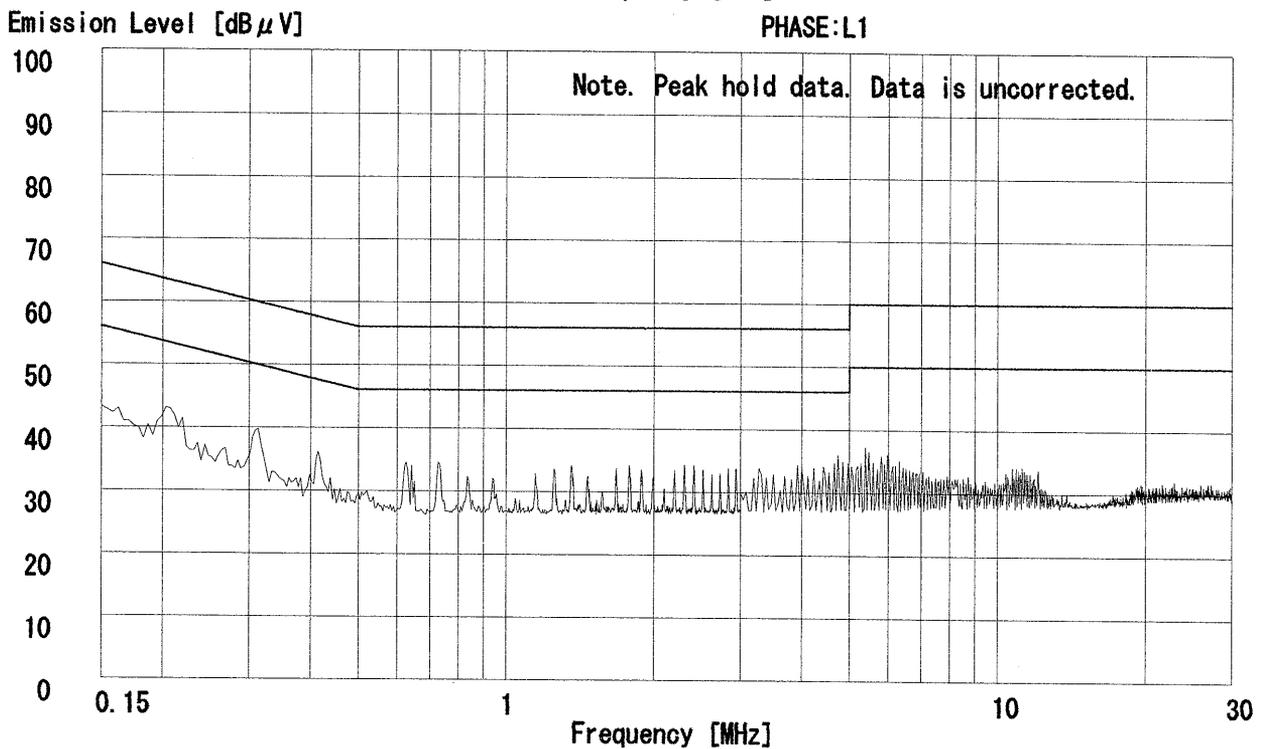
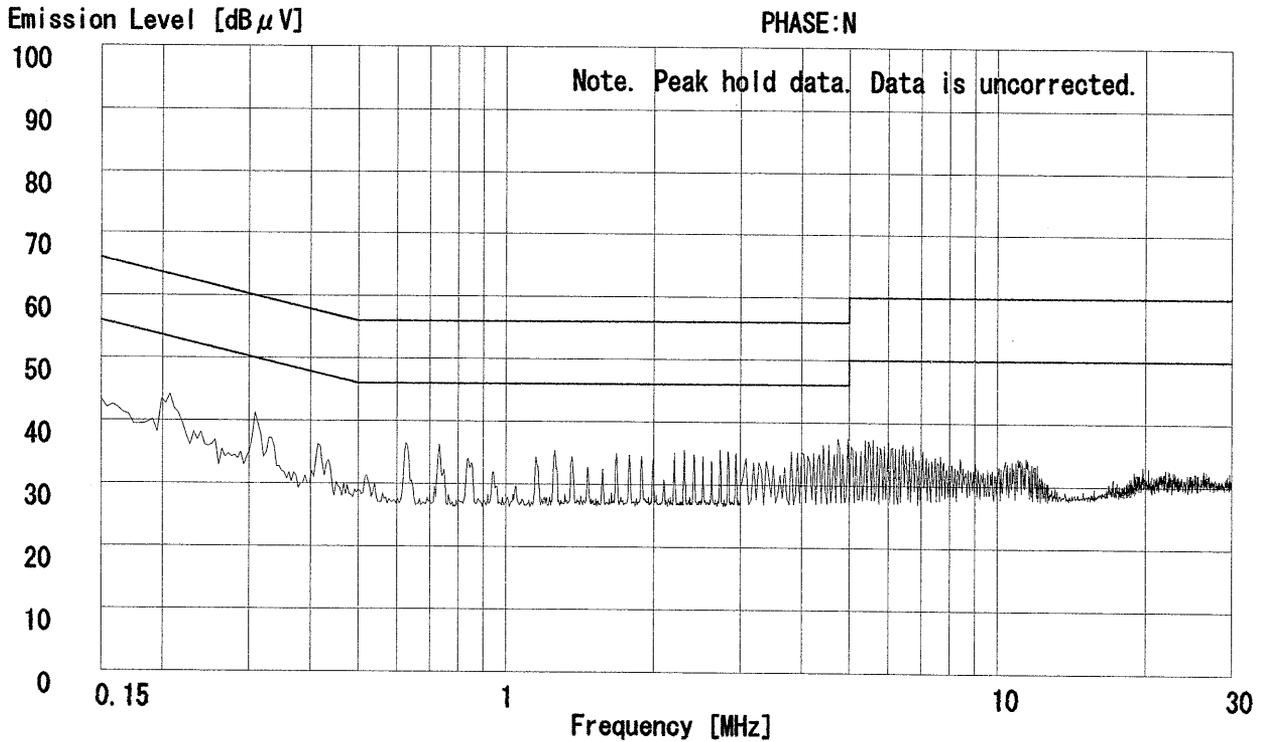


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Model No. : DCR-TRV80
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Mode : Tx (2441MHz)
Remarks : Ver. B
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

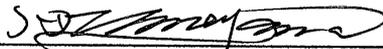

Engineer : Hiroka Umeyama

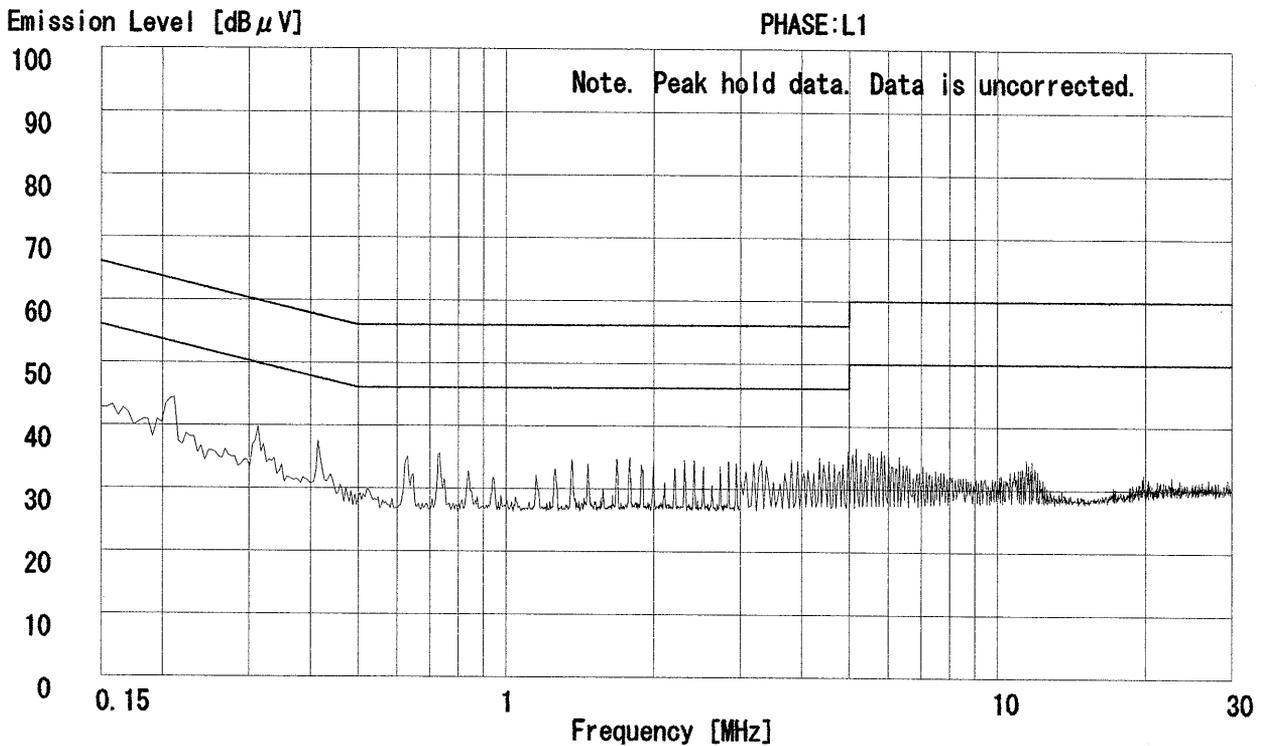
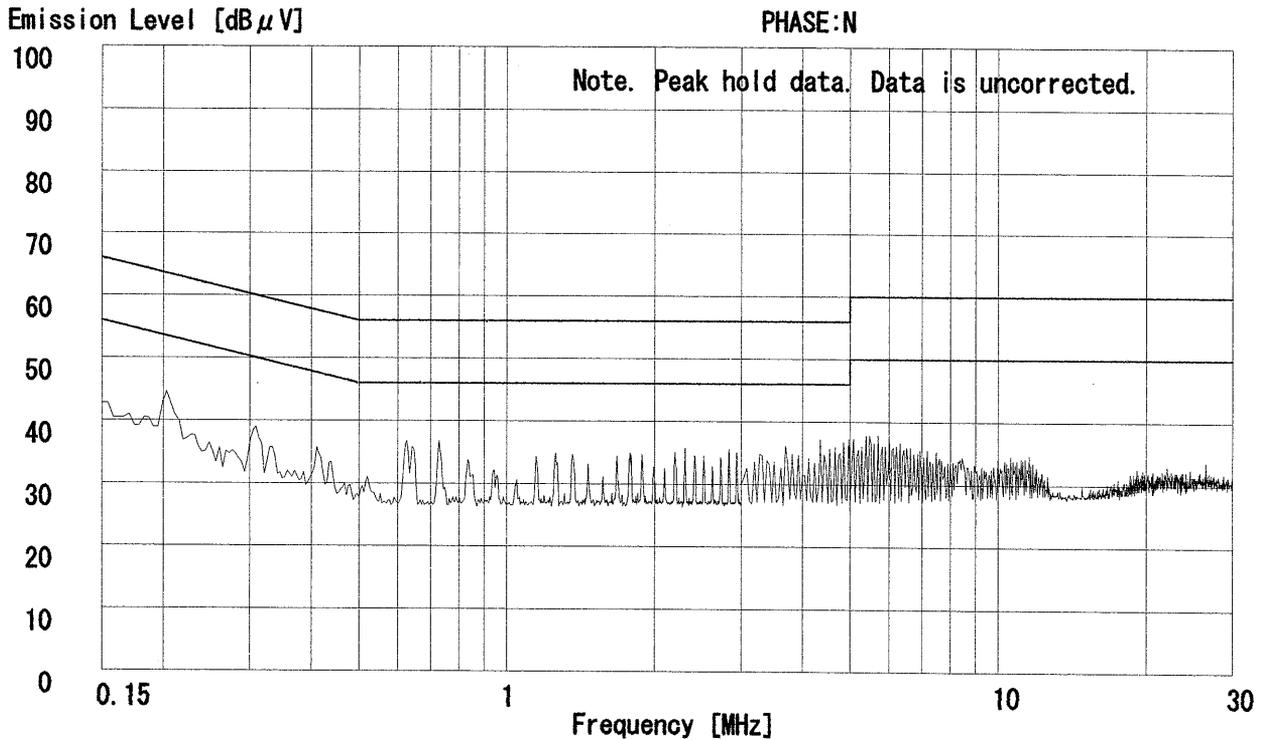


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Report No. : 23CE0075-H0

Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 108
Power : AC120V/60Hz
Mode : Tx (2480MHz)
Remarks : Ver. B
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

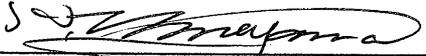

Engineer : Hiroka Umeyama

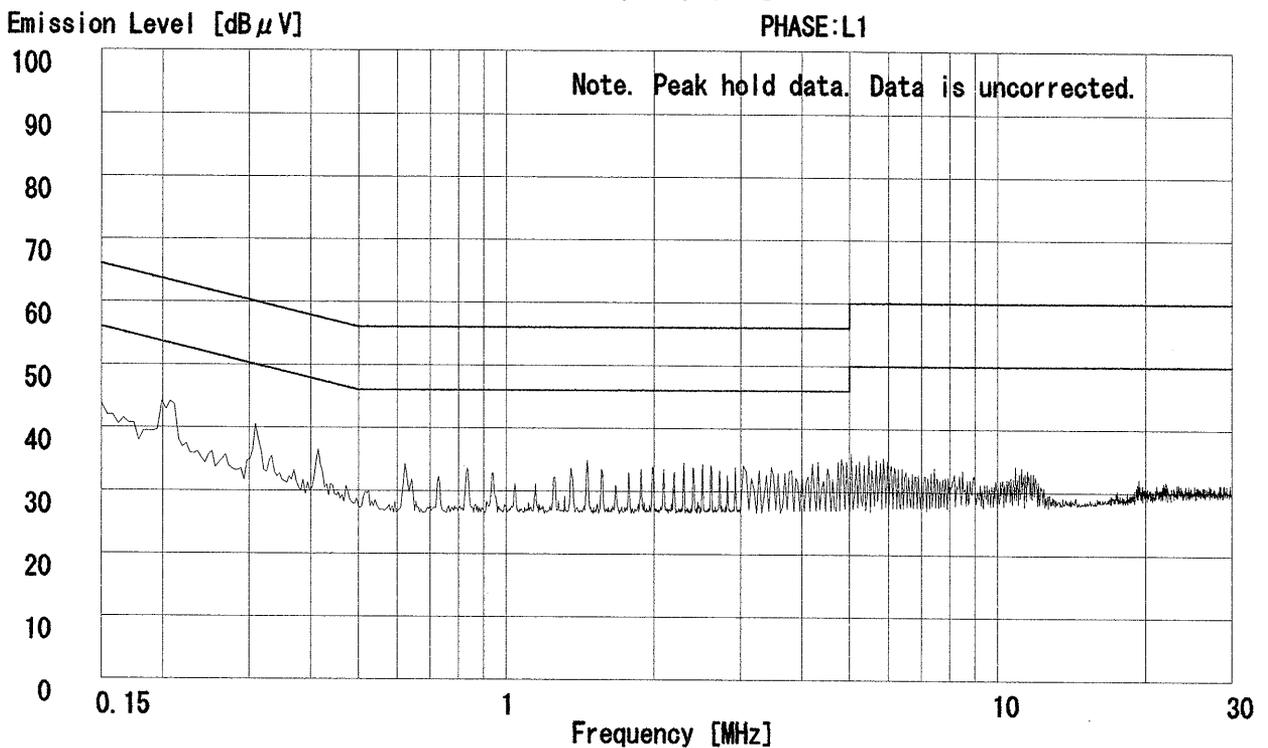
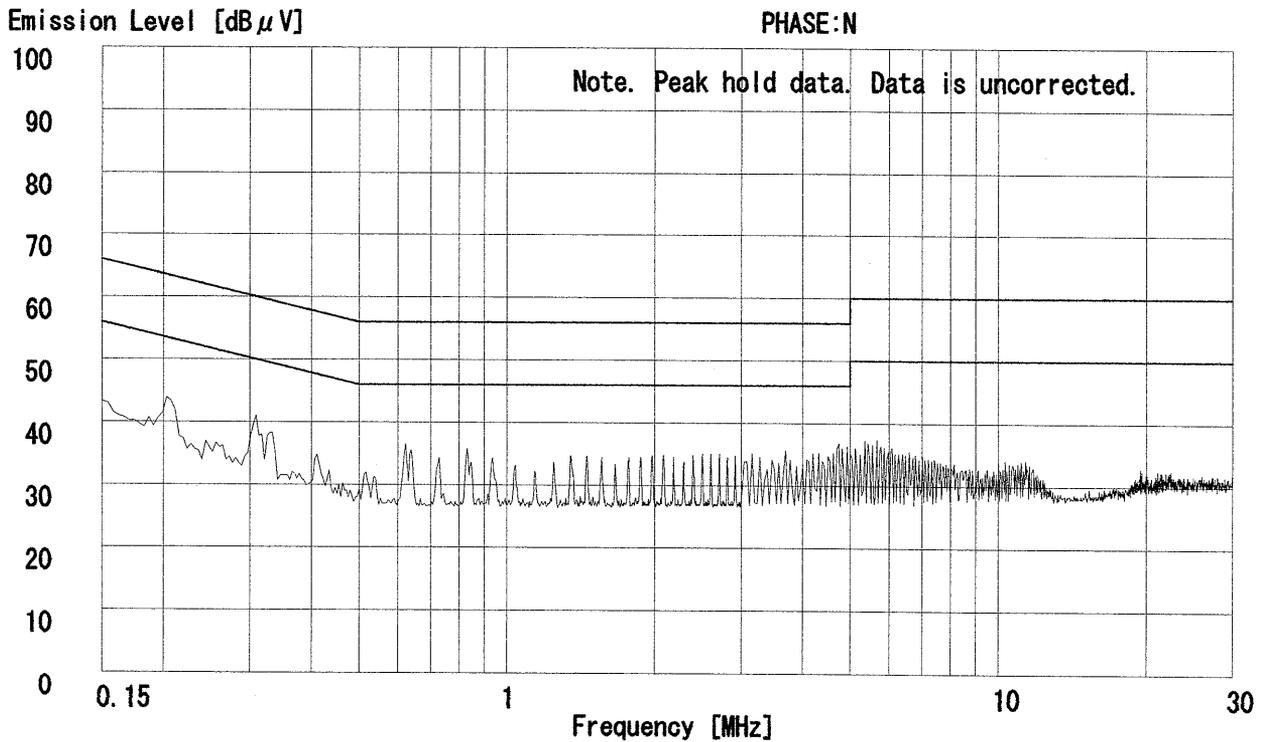


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Applicant : Sony Corporation
Kind of Equipment : Digital Video Camera Recorder
Model No. : DCR-TRV80
Serial No. : 108
Power : AC120V/60Hz
Mode : Standby
Remarks : Ver. B
Date : 11/20/2002
Phase : Single Phase
Temperature : 19 °C
Humidity : 42 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None


Engineer : Hiroka Umeyama



DATA OF CARRIER FREQUENCY SEPARATION

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) /Inquiry

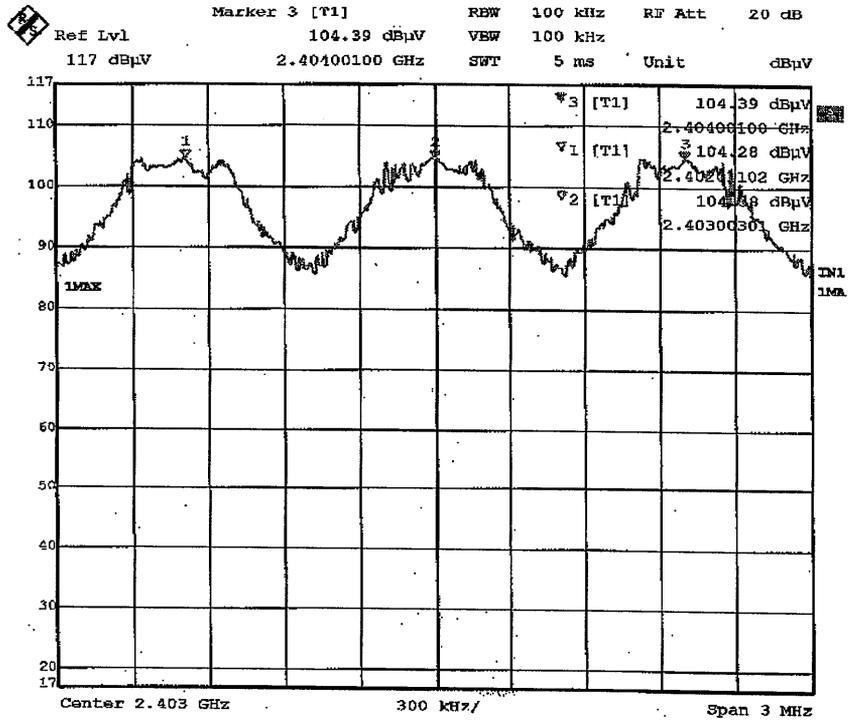
REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
TEST DISTANCE :-
DATE : 11/20/2002
TEMPERATURE : 20°C
HUMIDITY : 39%


ENGINEER : Hiroka Umeyama

PK DETECT(S/A :span 3MHz, RBW 100kHz, VBW 100kHz, sweep time AUTO)

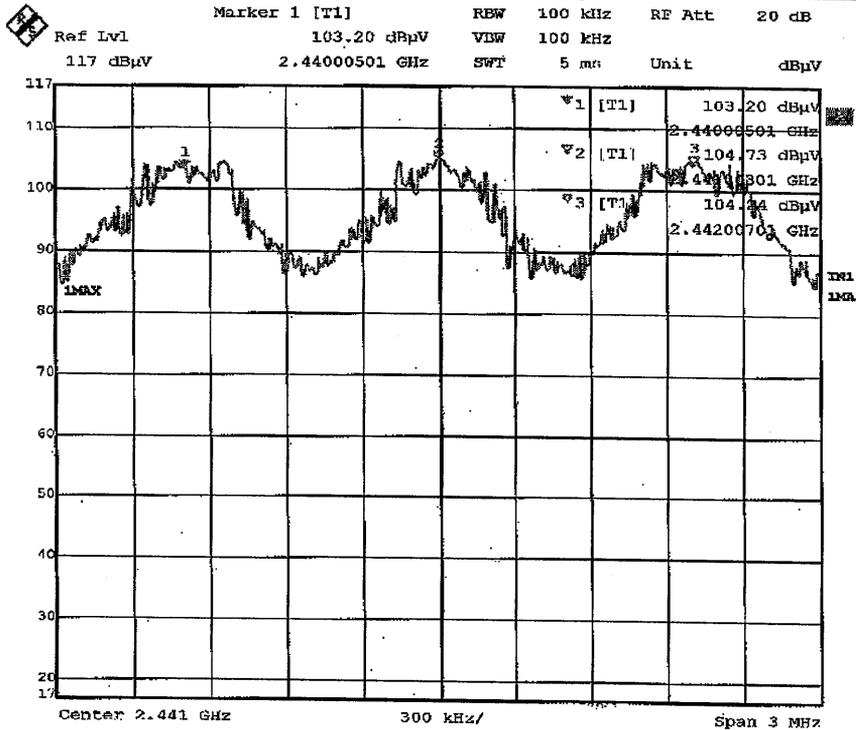
CH	FREQ [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>20dB Bandwidth and 25[kHz]
Mid	2441.0	1.000	>20dB Bandwidth and 25[kHz]
High	2480.0	1.000	>20dB Bandwidth and 25[kHz]
Inquiry	2441.0	1.000	>20dB Bandwidth and 25[kHz]

Carrier Frequency Separation :Tx(Hopping on)2402MHz:Ver.A



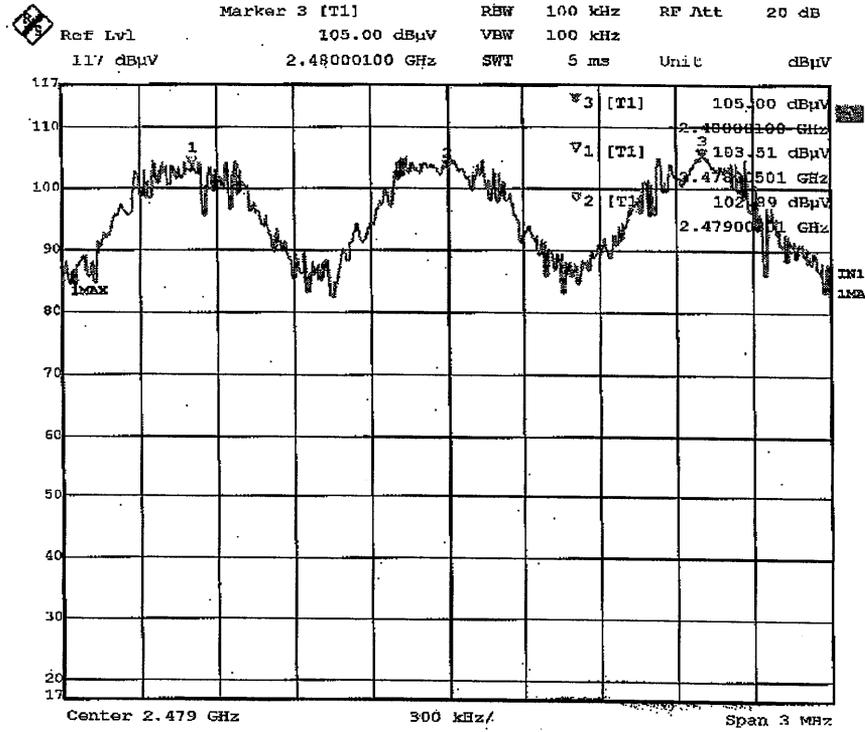
Date: 20.NOV.2002 19:41:06

Carrier Frequency Separation :Tx(Hopping on)2441MHz:Ver.A



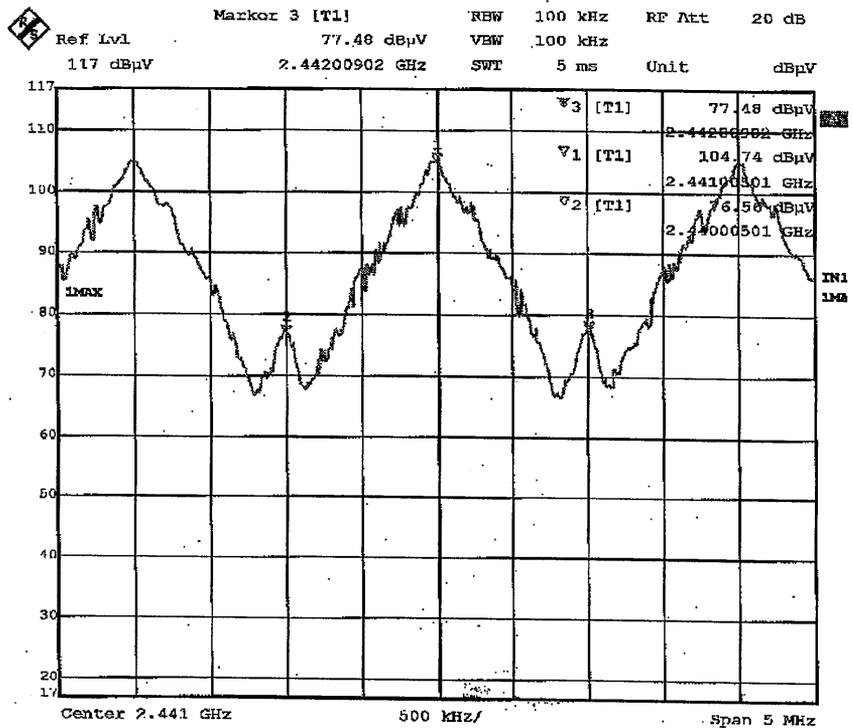
Date: 20.NOV.2002 19:42:29

Carrier Frequency Separation :Tx(Hopping on)2480MHz:Ver.A



Date: 20.NOV.2002 19:43:43

Carrier Frequency Separation :Tx(Hopping on)Inquiry:Ver.A



Date: 20.NOV.2002 19:47:31

DATA OF CARRIER FREQUENCY SEPARATION

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) / Inquiry

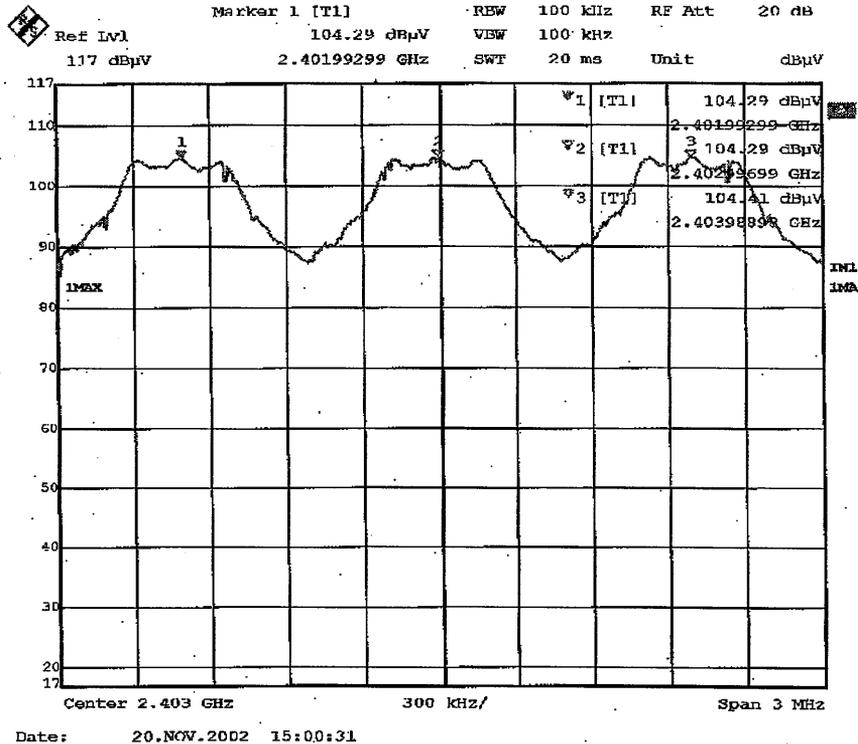
REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 20°C
HUMIDITY : 39%


ENGINEER : Hiroka Umeyama

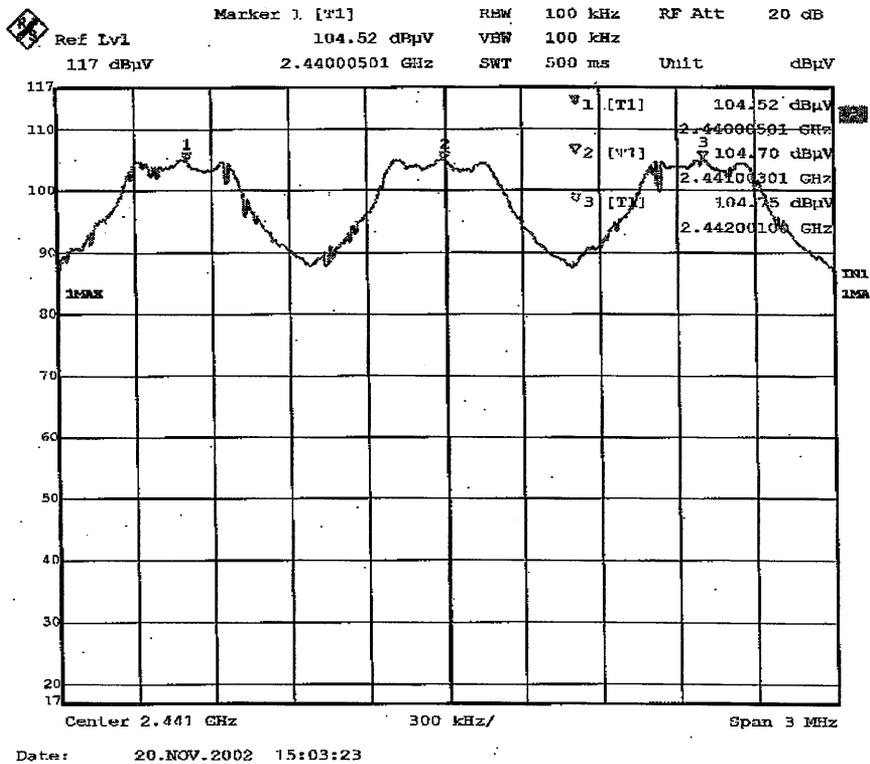
PK DETECT(S/A :span 3MHz, RBW 100kHz, VBW 100kHz, sweep time AUTO)

CH	FREQ [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>20dB Bandwidth and 25[kHz]
Mid	2441.0	1.000	>20dB Bandwidth and 25[kHz]
High	2480.0	1.000	>20dB Bandwidth and 25[kHz]
Inquiry	2441.0	1.000	>20dB Bandwidth and 25[kHz]

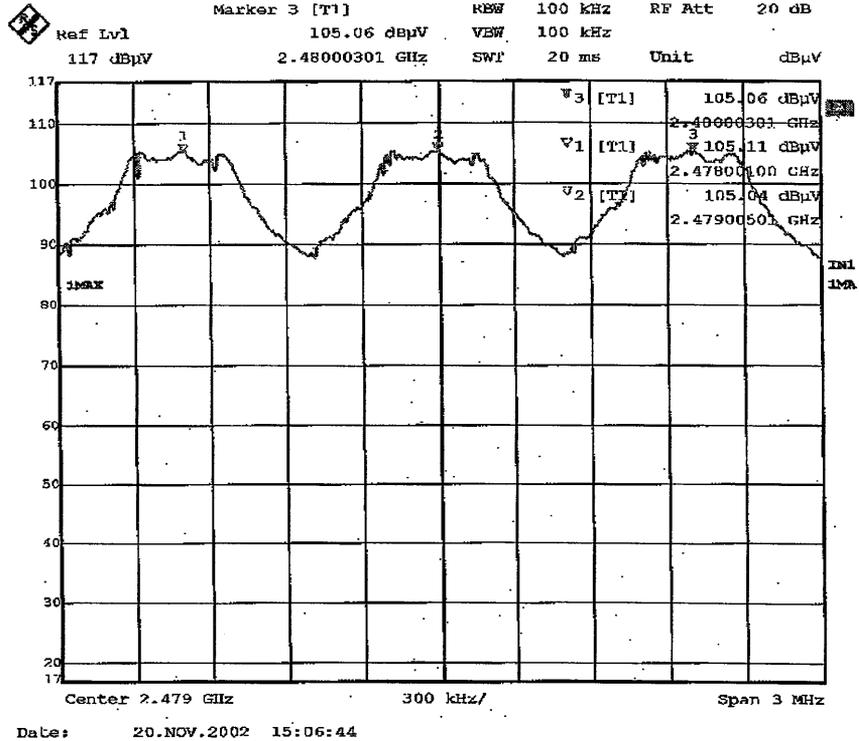
Carrier Frequency Separation :Tx(Hopping on)2402MHz:Ver.B



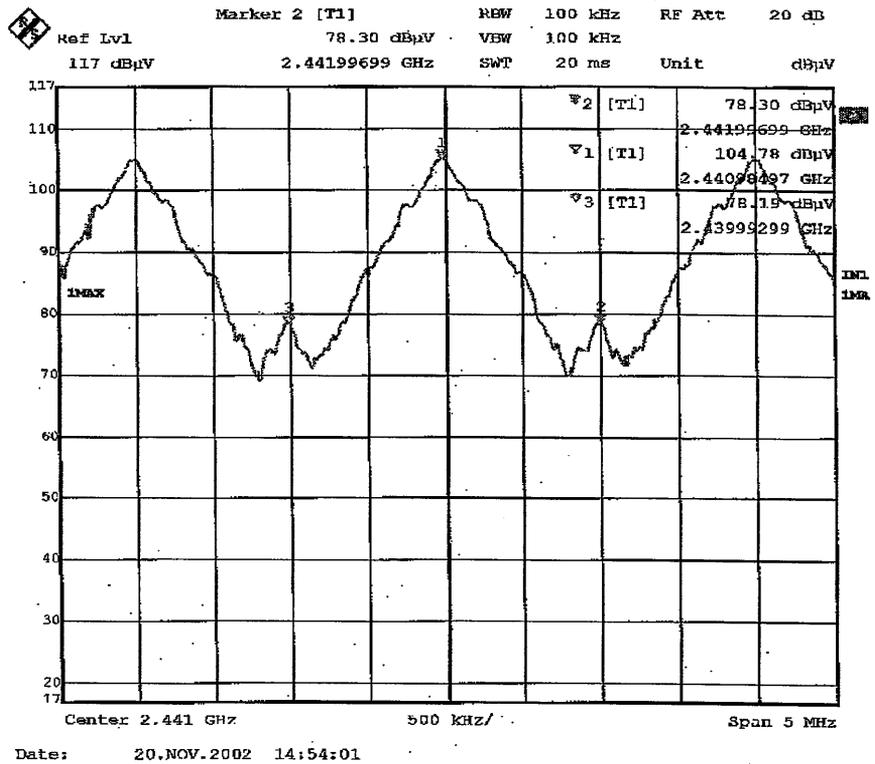
Carrier Frequency Separation :Tx(Hopping on)2441MHz:Ver.B



Carrier Frequency Separation :Tx(Hopping on)2480MHz:Ver.B



Carrier Frequency Separation :Inquiry:Ver.B



DATA OF 20dB BANDWIDTH (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 : 175
REMARKS : Ver.A
POWER : AC120V/60Hz
MODE : Tx (Hopping off) / Inquiry

REPORT NO : 23CE0075-HO
REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 26°C
HUMIDITY : 39%

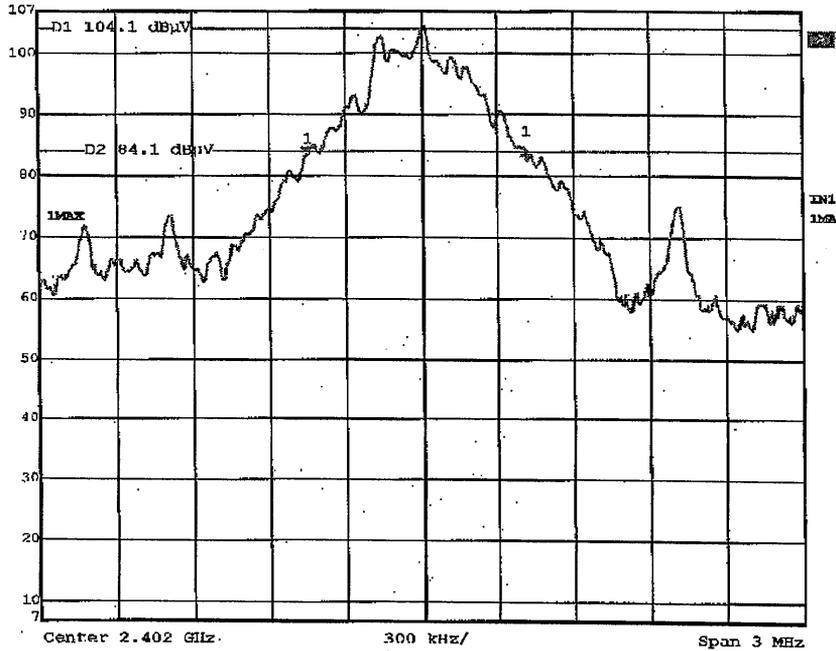

ENGINEER : Hiroka Umeyama

PK DETECT(S/A: span 3MHz, RBW 30kHz, VBW 30kHz, sweep time AUTO)

CH	FREQ	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.860	1.0
Mid	2441.0	0.854	1.0
High	2480.0	0.866	1.0
Inquiry	2441.0	0.806	1.0

20dB Bandwidth:Tx(Hopping off)2402MHz:Ver.A

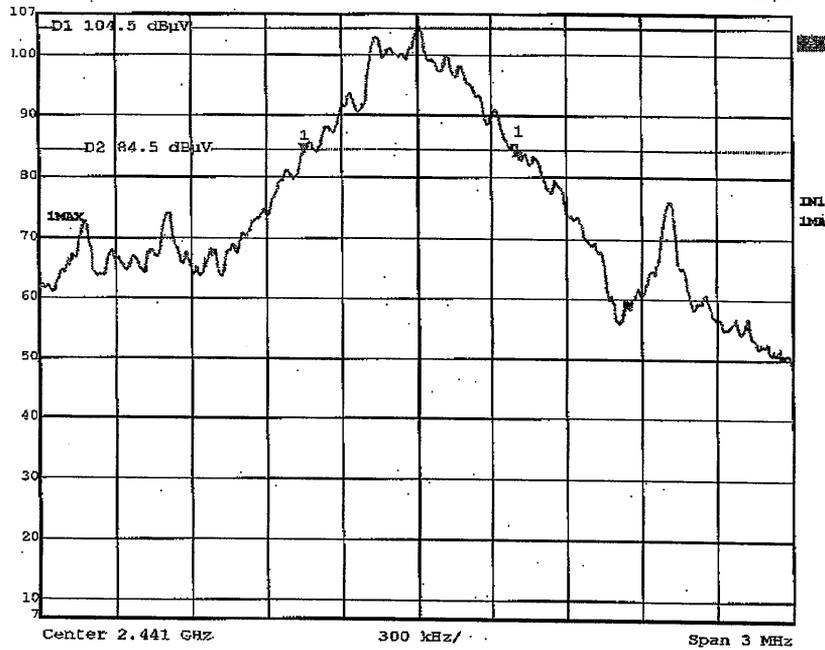
Delta 1 [T1]	REW	30 kHz	RF Att	10 dB
Ref Lvl	1.09 dB	VEW	30 kHz	
107 dBμV	859.71943888 kHz	SWT	8.5 ms	Unit dBμV



Date: 20.NOV.2002 19:55:53

20dB Bandwidth:Tx(Hopping off)2441MHz:Ver.A

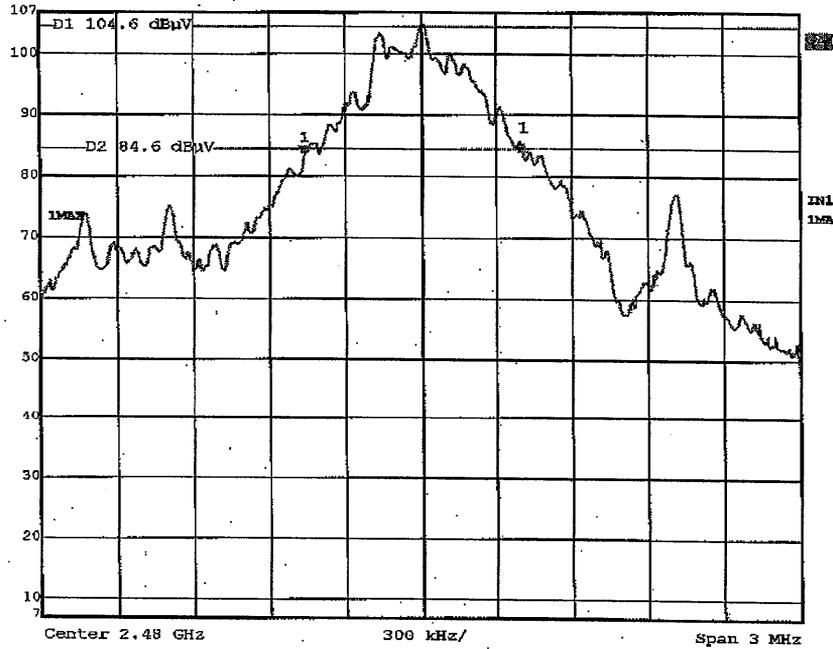
Delta 1 [T1]	REW	30 kHz	RF Att	10 dB
Ref Lvl	0.70 dB	VEW	30 kHz	
107 dBμV	853.70741483 kHz	SWT	8.5 ms	Unit dBμV



Date: 20.NOV.2002 19:56:39

20dB Bandwidth:Tx(Hopping off)2480MHz:Ver.A

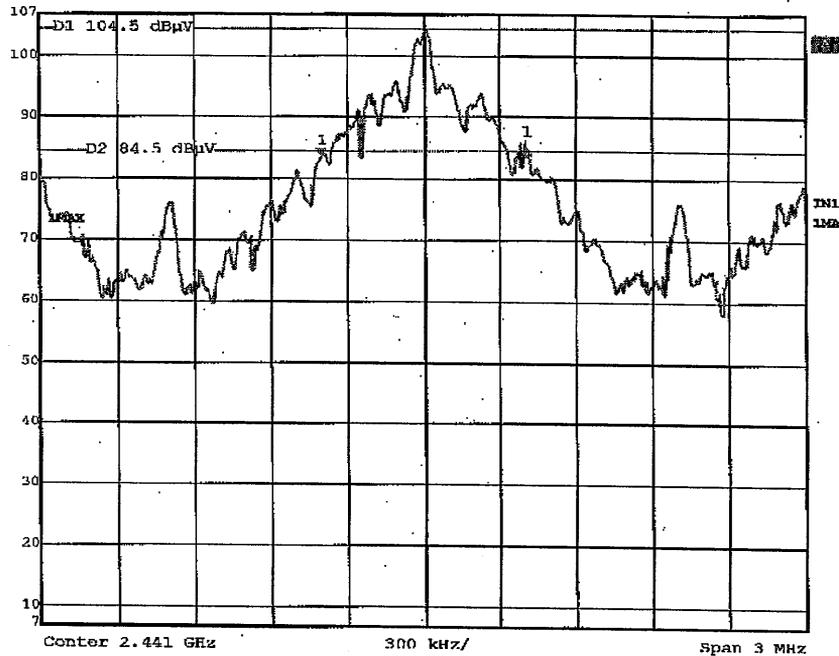
Ref Lvl 107 dBμV	Delta 1 [T1]	RBW	30 kHz	RF Att	10 dB
	1.64 dB	VEW	30 kHz		
	865.73146293 kHz	SWT	8.5 ms	Unit	dBμV



Date: 20.NOV.2002 19:57:54

20dB Bandwidth:Inquiry:Ver.A

Ref Lvl 107 dBμV	Delta 1 [T1]	RBW	30 kHz	RF Att	10 dB
	1.53 dB	VEW	30 kHz		
	805.61122245 kHz	SWT	8.5 ms	Unit	dBμV



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DATA OF 20dB BANDWIDTH (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(a)(1)
TEST DISTANCE : -
DATE : 11/20/2002
TEMPERATURE : 26°C
HUMIDITY : 39%

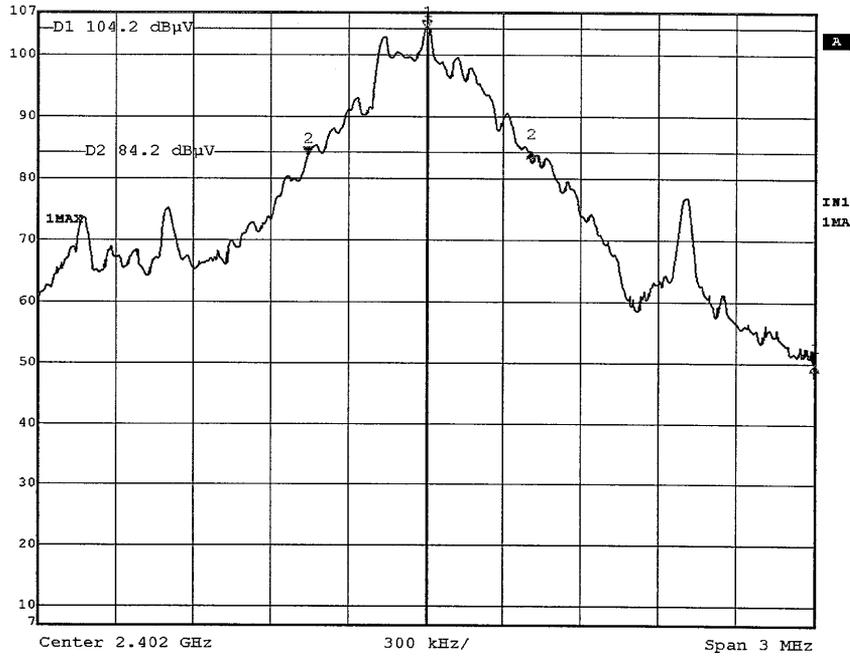

ENGINEER : Hiroka Umeyama

PK DETECT(S/A: span 3MHz, RBW 30kHz, VBW 30kHz, sweep time AUTO)

CH	FREQ	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.860	1.0
Mid	2441.0	0.884	1.0
High	2480.0	0.860	1.0
Inquiry	2441.0	0.818	1.0

20dB Bandwidth:Tx(Hopping off)2402MHz:Ver.B

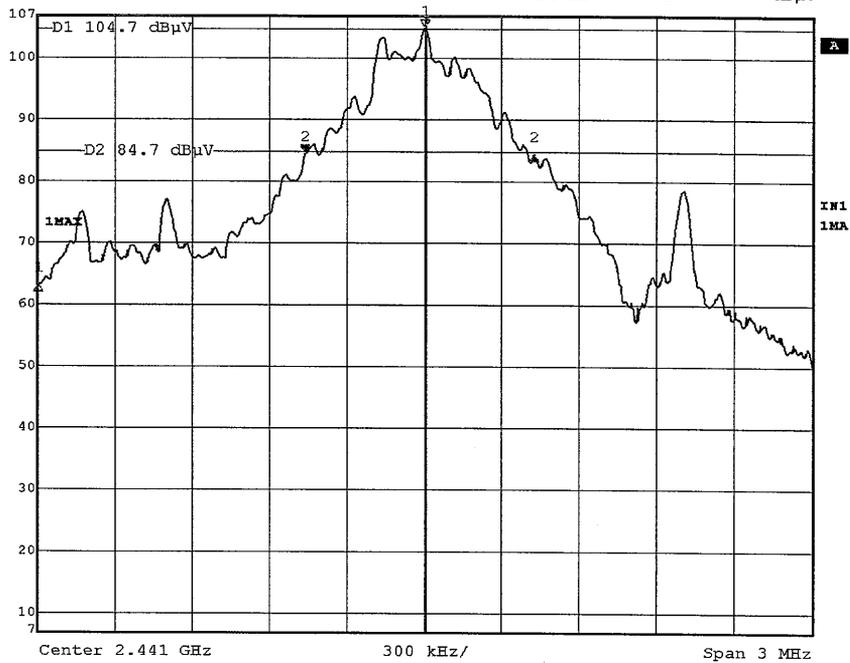
	Delta 2 [T1]	RBW	30 kHz	RF Att	10 dB
Ref Lvl	0.66 dB	VBW	30 kHz		
107 dBμV	859.71943888 kHz	SWT	20 ms	Unit	dBμV



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20dB Bandwidth:Tx(Hopping off)2441MHz:Ver.B

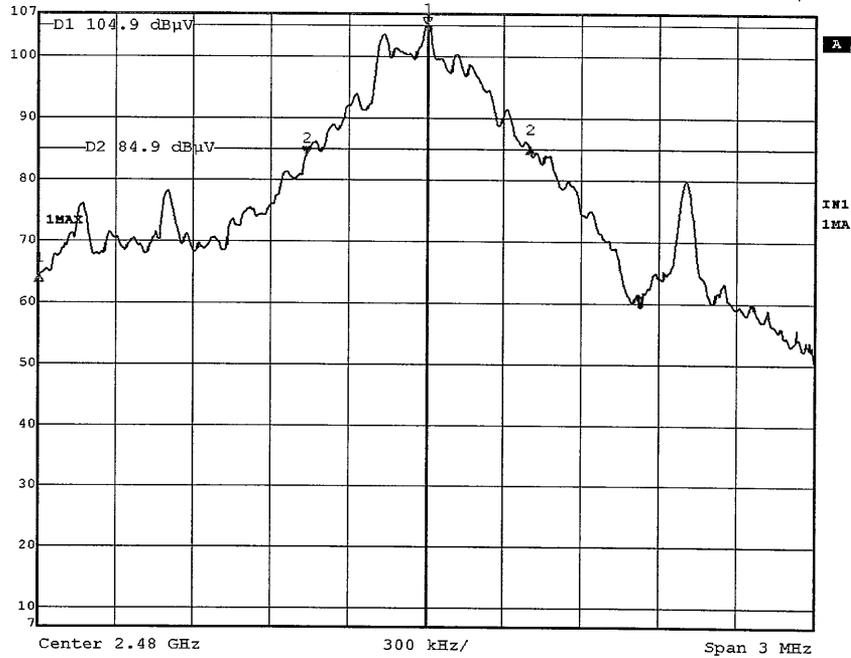
	Delta 2 [T1]	RBW	30 kHz	RF Att	10 dB
Ref Lvl	0.09 dB	VBW	30 kHz		
107 dBμV	883.76753507 kHz	SWT	20 ms	Unit	dBμV



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20dB Bandwidth:Tx(Hopping off)2480MHz:Ver.B

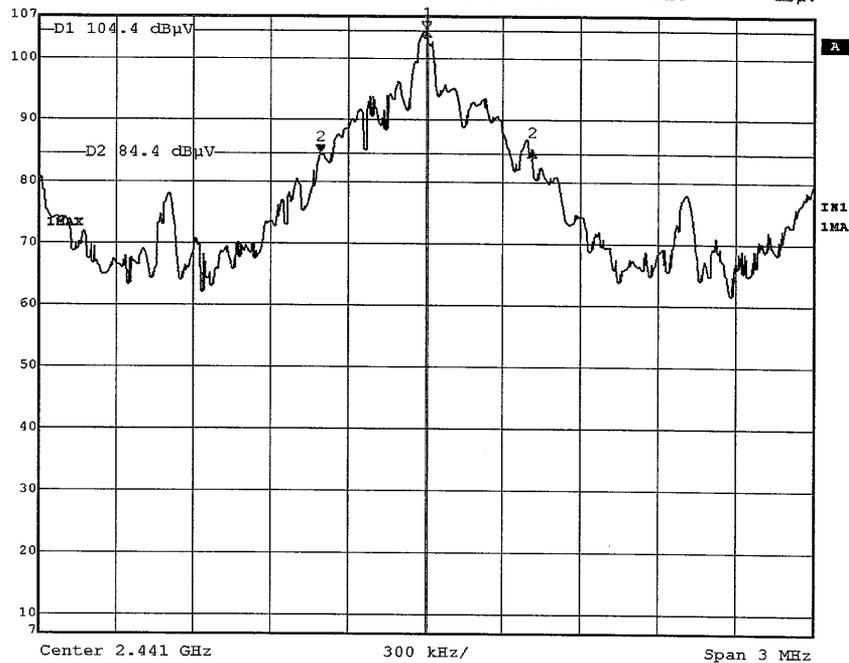
	Delta 2 [T1]	RBW	30 kHz	RF Att	10 dB
	Ref Lvl	1.52 dB	VBW	30 kHz	
	107 dBμV	859.71943888 kHz	SWT	20 ms	Unit dBμV



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20dB Bandwidth:Inquiry:Ver.B

	Delta 2 [T1]	RBW	30 kHz	RF Att	10 dB
	Ref Lvl	0.67 dB	VBW	30 kHz	
	107 dBμV	817.63527054 kHz	SWT	20 ms	Unit dBμV



Date: 20.NOV.2002 14:31:35