



Dear Mr. Dennis Ward

Thank you for your kind comments and advice.

Following statements are reply to your comments for FCC ID: AK8DCRIP220. Please verify.

1. Peak output power (radiated)

We would like to delete pages 45 to 48 of measurement data with regard to “Peak output power (radiated)” according to your advice on July 27 e-mail, because we have already submitted “Peak output power (conducted)” in pages 42 to 44 of the “Test Report”.

Please insert attached PDF “Replacements for Test Report Page 45-48.pdf” in place of pages 45 to 48.

2. Conducted noise voltage

We understood what you said.

So, we added a note in the “Data of conduction test” of page 18.

The note is:

“The above from 0.15kHz to 0.45kHz were reference data”.

Please find attached PDF “Replacement for Test Report Page18.pdf”.

3. Bandwidth in acquisition mode:

We understood what FCC conceived. However, hopping-off mode during acquisition could not be provided in this equipment.

Therefore, as seen in data (both lower and upper data) of page 31 in “Test Report”, if the hopping-off mode cannot be achieved, 20dB bandwidth cannot be measured.

Please find attached PDF “Replacements for Test Report Page26-28.pdf”.

Please advise the FCC measurement procedure.

We believe we have already answered for all your comments.

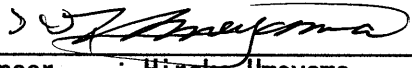
Keijiro Kumagai

A-Pex International Co., Ltd.

DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.
 No.2 SEMI ANECHOIC CHAMBER
 Report No. : 221E0025-H0

Applicant : SONY Corporation
 Kind of Equipment : Digital Video Camera Recorder
 Model No. : DCR-IP220
 Serial No. : 95
 Power : AC120V/60Hz
 Mode : Tx(2402MHz)
 Remarks :
 Date : 6/10/2002
 Phase : Single Phase
 Temperature : 26 °C
 Humidity : 48 %
 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	AV	QP	AV				QP	AV	QP	AV	QP	AV
		[dBuV]		[dBuV]					[dBuV]		[dBuV]		[dB]	
1.	0.1500	39.5	-	39.3	-	0.0	0.1	0.0	39.6	-	66.0	56.0	26.4	-
2.	0.2597	40.6	-	40.4	-	0.0	0.1	0.0	40.7	-	61.4	51.4	20.7	-
3.	0.3896	36.7	-	36.7	-	0.0	0.1	0.0	36.8	-	58.1	48.1	21.3	-
4.	0.6499	30.6	-	30.6	-	0.1	0.1	0.0	30.8	-	56.0	46.0	25.2	-
5.	1.8182	31.2	-	30.4	-	0.1	0.3	0.0	31.6	-	56.0	46.0	24.4	-
6.	1.9479	30.8	-	29.8	-	0.1	0.3	0.0	31.2	-	56.0	46.0	24.8	-
7.	4.8052	33.5	-	32.3	-	0.2	0.5	0.0	34.2	-	56.0	46.0	21.8	-
8.	7.0120	36.6	-	36.6	-	0.3	0.6	0.0	37.5	-	60.0	50.0	22.5	-
9.	11.2986	39.8	-	40.7	-	0.4	0.9	0.0	42.0	-	60.0	50.0	18.0	-

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

Except for the above table : adequate margin data below the limits.
 The above data from 0.15kHz to 0.45kHz were reference data. LISN:MLS-06

DATA OF 20dB BANDWIDTH (CONDUCTED)

A-PEX INTERNATIONAL CO., LTD.

EMC HEAD OFFICE DIVISON No.3 MEASUREMENT ROOM

COMPANY : SONY Corporation
EQUIPMENT : Digital Video Camera Recorder
MODEL : DCR-IP220
S/N : 96
FCC ID : AK8DCRIP220
POWER : AC120V/60Hz
MODE : Tx (Hopping off)

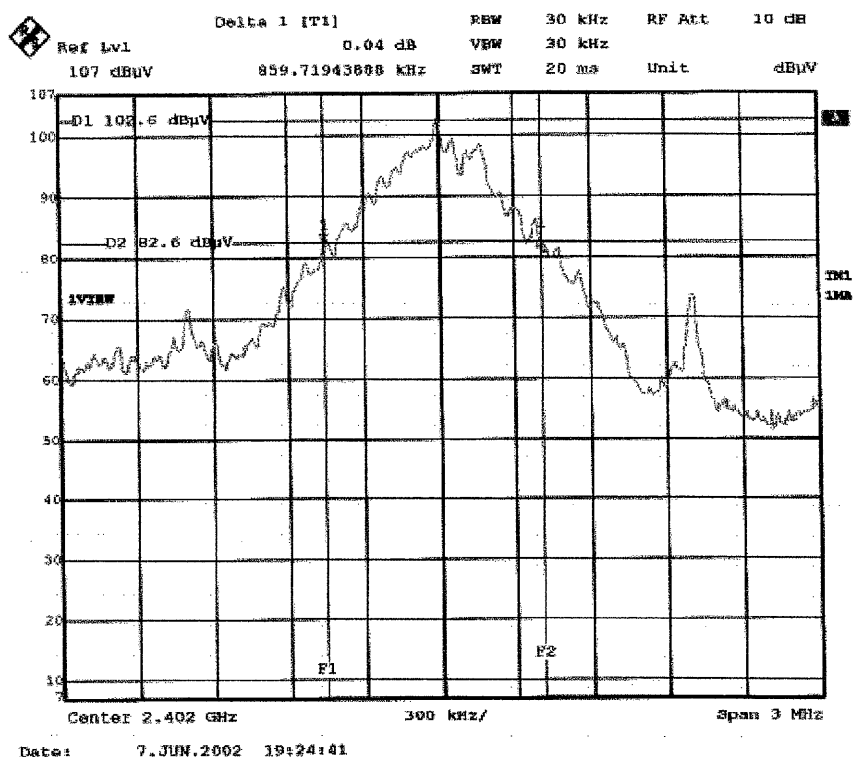
REPORT NO : 22IE0025-HO
REGULATION : Fcc Part15 Subpart C 15.247(a)(1)(ii)
TEST DISTANCE : -
DATE : 2002/6/7
Temperature : 24°C
Humidity : 62%


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

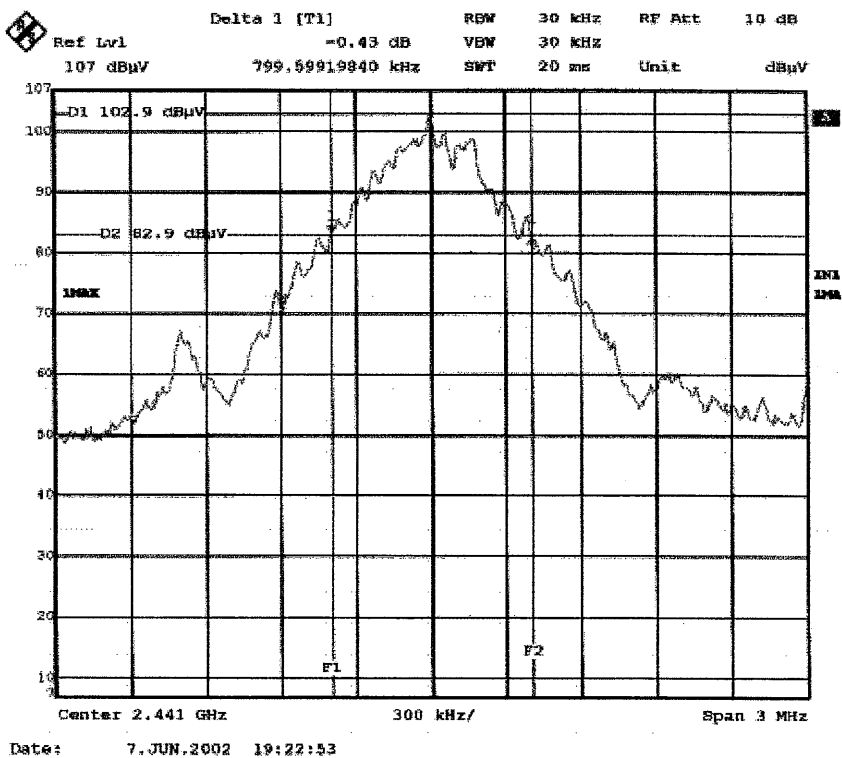
CH	FREQ	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.860	1.0
Mid	2441.0	0.800	1.0
High	2480.0	0.800	1.0

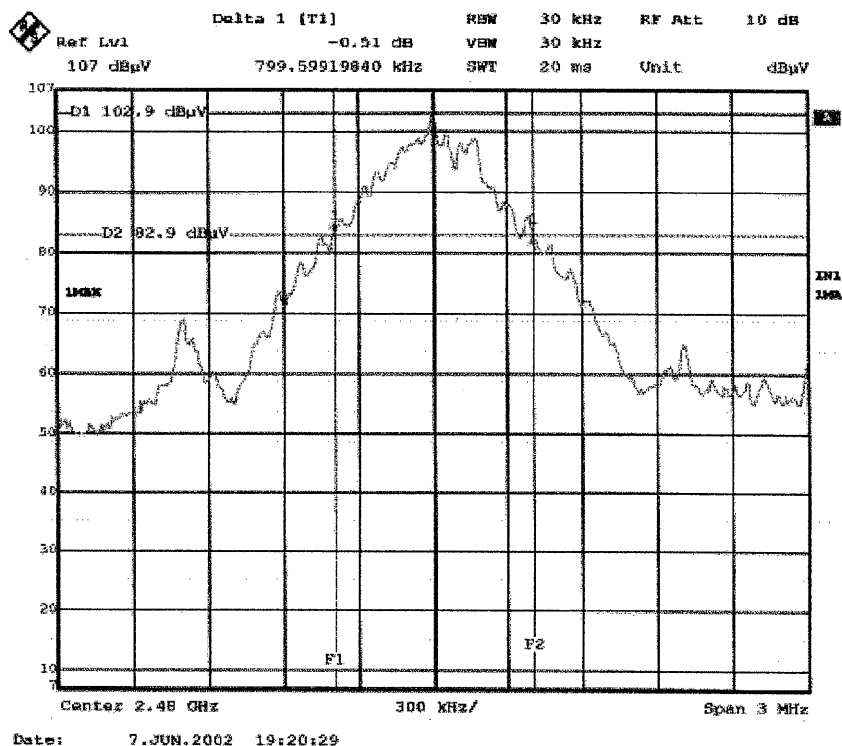
*The firm ware of EUT doesn't have the function of acquisition/Inquiry(Hopping off) . Therefore , it wasn't examined.

20dB Band Width :Tx(Hopping off)2402MHz



20dB Band Width :Tx(Hopping off)2441MHz



20dB Band Width :Tx(Hopping off)2480MHz

Deletion of pages 45 to 48

Deletion :

Pages 45 to 48.