

Test Report No : 23BE0019-HO-9

APPENDIX 2
Test Instruments
EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MTR-01	Test Receiver	Rohde & Schwarz	ESI40	RE / CE	2002/11/01 * 12
APANT03	Horn Antenna	A.H.Systems	SAS-200/571	RE	2001/09/19 * 36
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE / CE	2002/04/12 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2002/12/24 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2002/05/02 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	MCC-13-01(3D -2W-5m) MCC-13-02(3D -2W-7m) MCC-13-03(5D -2W-5m) MCC-12-05(RF SW) MCC-12-03(5D -2W-0.8m) MCC-12-06 (RF SW) MCC-13-04(5D -2W-1m)	CE	2002/05/09 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2002/05/02 * 12
MPA-04	Pre Amplifier	Agilent	8447D	RE	2002/03/13 * 12
MSA-02	Spectrum Analyzer	Advantest	R3265A	RE/CE	2002/09/20 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE/CE	2002/10/11 * 12
MBF-01	SHF Bandpass Filter	M-City	5GHz BPF	RE	2002/04/30 * 12
MCC-04	Microwave Cable	Storm	421-011	RE	2003/01/14 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2002/02/09 * 12
MCC-06	Microwave Cable	Storm	421-011	RE	2003/01/14 * 12
MCC-11	Microwave coaxial cable	Suhner	SUCOFLEX 104	RE	2002/03/27 * 12
MHA-01	Horn Antenna	EMCO	3160-09	RE	2003/01/11 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE(EUT)	2002/03/19 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE	2002/03/19 * 12
MPL-01	Pulse Limiter	Rohde & Schwarz	ESH3Z2	CE	2003/01/07 * 12
MTA-01	Termination	TME	CT-01	CE	2003/01/07 * 12
MCC-05	Microwave Cable	Storm	421-011	RE	2003/01/14 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	MCC-12-01(8D -2W-15m) MCC-12-02(5D -2W-0.7m) MCC-12-05(RF SW) MCC-12-03(5D -2W-0.8m) MCC-12-06(RF SW) MCC-12-04(5D -2W-1m)	RE	2002/05/09 * 12
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2003/01/11 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: Conducted emission,

RE: Radiated emission,

DATA OF CONDUCTION TEST

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23BE0019-H0 - 9

Applicant : Sony Corporation
Kind of Equipment : Digital Printing System
Model No. : UPX-C200 (DKC-C200X)
Serial No. : 59810047
Power : AC120V/60Hz
Mode : Tx (2441MHz)
Remarks :
Date : 1/9/2003
Phase : Single Phase
Temperature : 26 °C
Humidity : 31 %
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.	0.1500	27.3	-	27.5	-	0.0	10.0	0.0	37.5	-	66.0	56.0	28.5	-
2.	0.2715	30.9	-	31.5	-	0.0	9.9	0.0	41.4	-	61.1	51.1	19.7	-
3.	0.4060	25.0	-	25.0	-	0.1	9.9	0.0	35.0	-	57.7	47.7	22.7	-
4.	0.5371	22.7	-	22.8	-	0.1	10.0	0.0	32.9	-	56.0	46.0	23.1	-
5.	2.0190	20.0	-	20.9	-	0.1	10.2	0.0	31.2	-	56.0	46.0	24.8	-
6.	8.8858	22.7	-	23.1	-	0.3	10.6	0.0	34.0	-	60.0	50.0	26.0	-

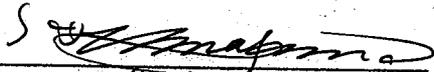
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

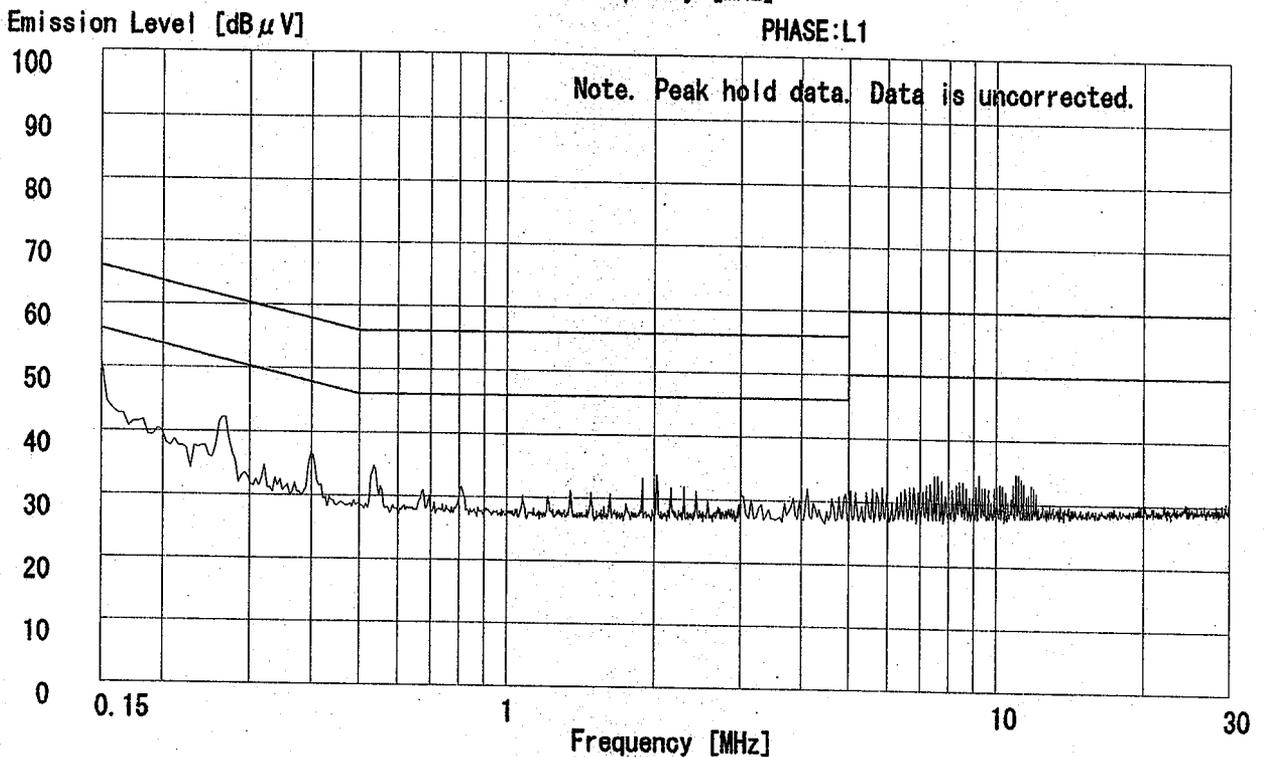
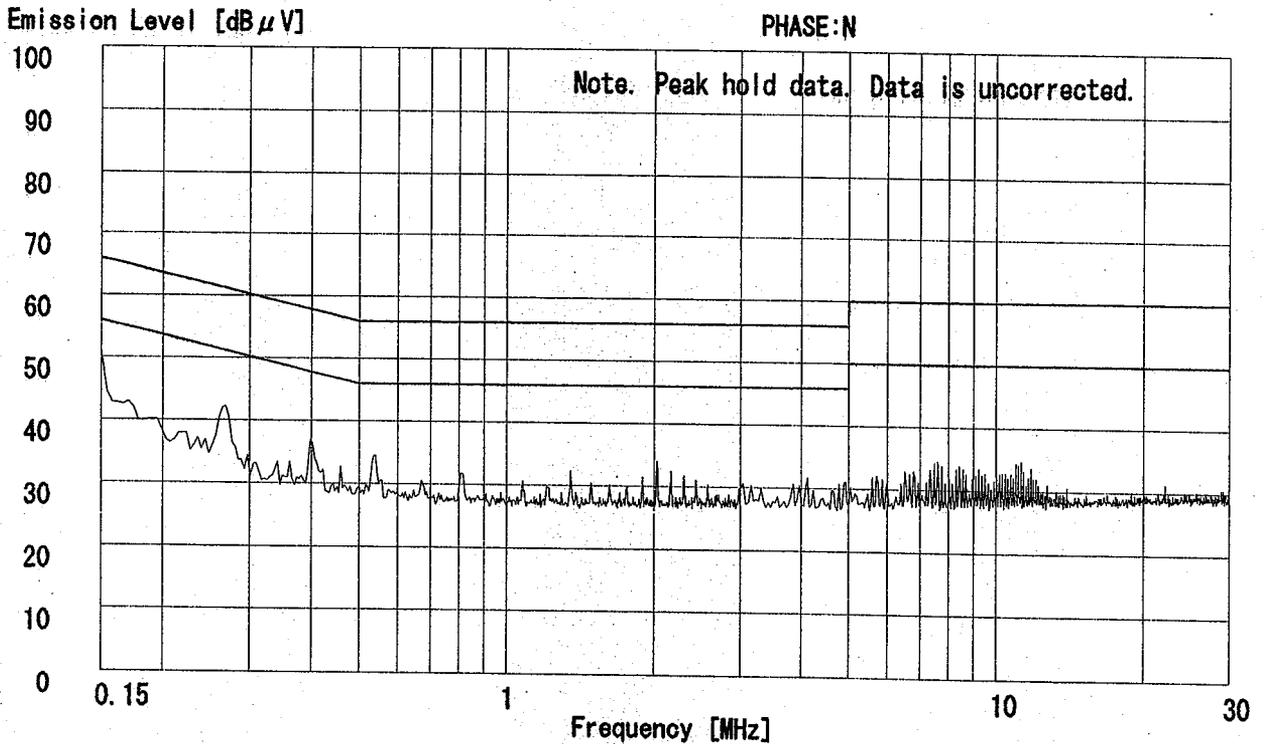
Except for the above table : adequate margin data below the limits.
LISN:MLS-06

DATA OF CONDUCTION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23BE0019-H0 - 9

Applicant : Sony Corporation
Kind of Equipment : Digital Printing System
Model No. : UPX-G200 (DKC-G200X)
Serial No. : 59810047
Power : AC120V/60Hz
Mode : Tx (2402MHz)
Remarks :
Date : 1/9/2003
Phase : Single Phase
Temperature : 26 °C
Humidity : 31 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

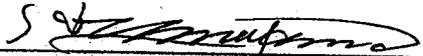

Engineer : Hiroka Umeyama

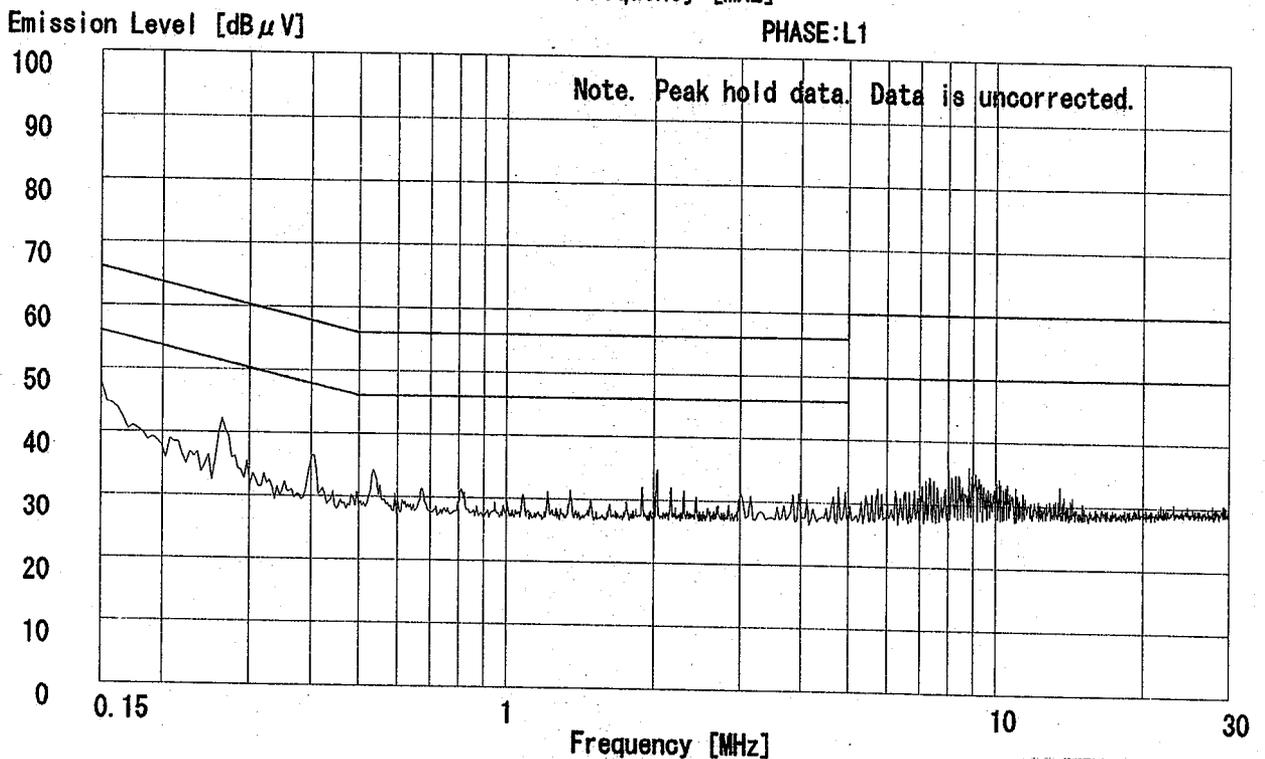
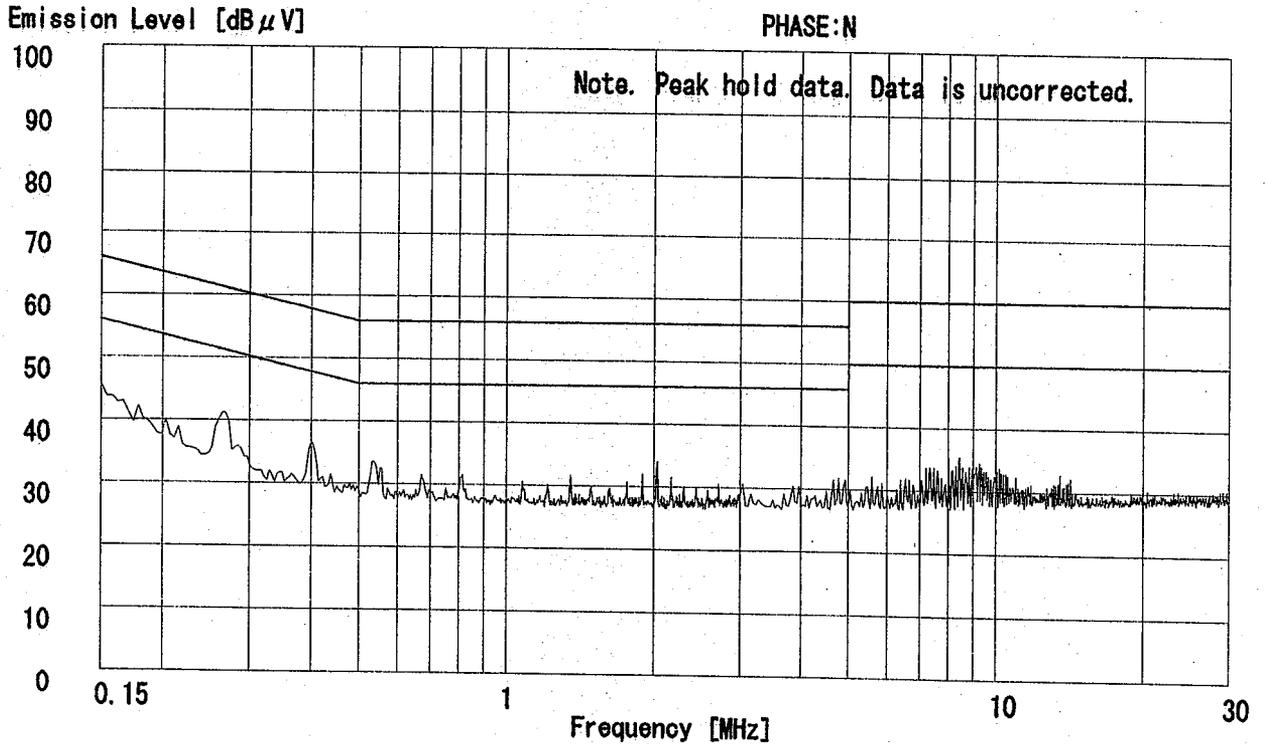


DATA OF CONDUCTION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23BE0019-H0- 9

Applicant : Sony Corporation
Kind of Equipment : Digital Printing System
Model No. : UPX-C200 (DKC-C200X)
Serial No. : 59810047
Power : AC120V/60Hz
Mode : Tx (2441MHz)
Remarks :
Date : 1/9/2003
Phase : Single Phase
Temperature : 26 °C
Humidity : 31 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None

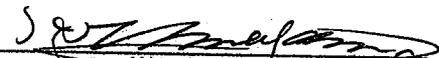

Engineer : Hiroka Umeyama

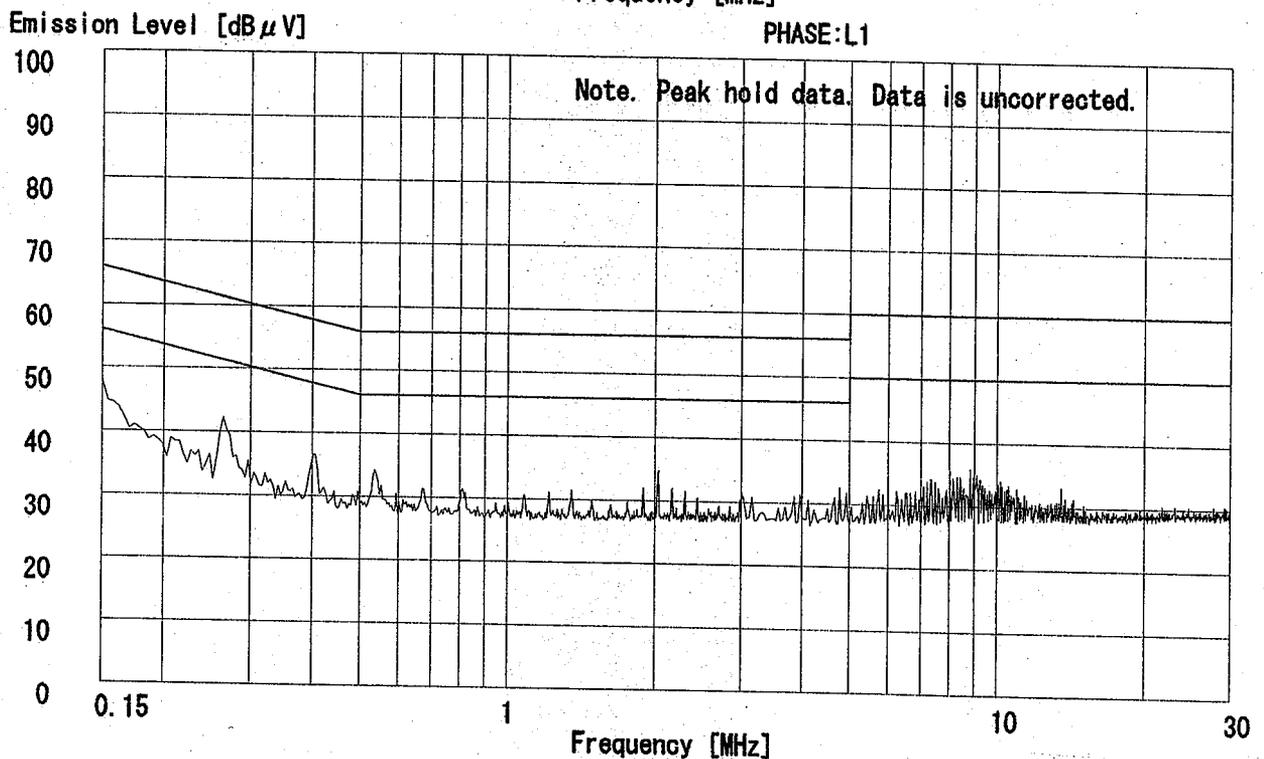
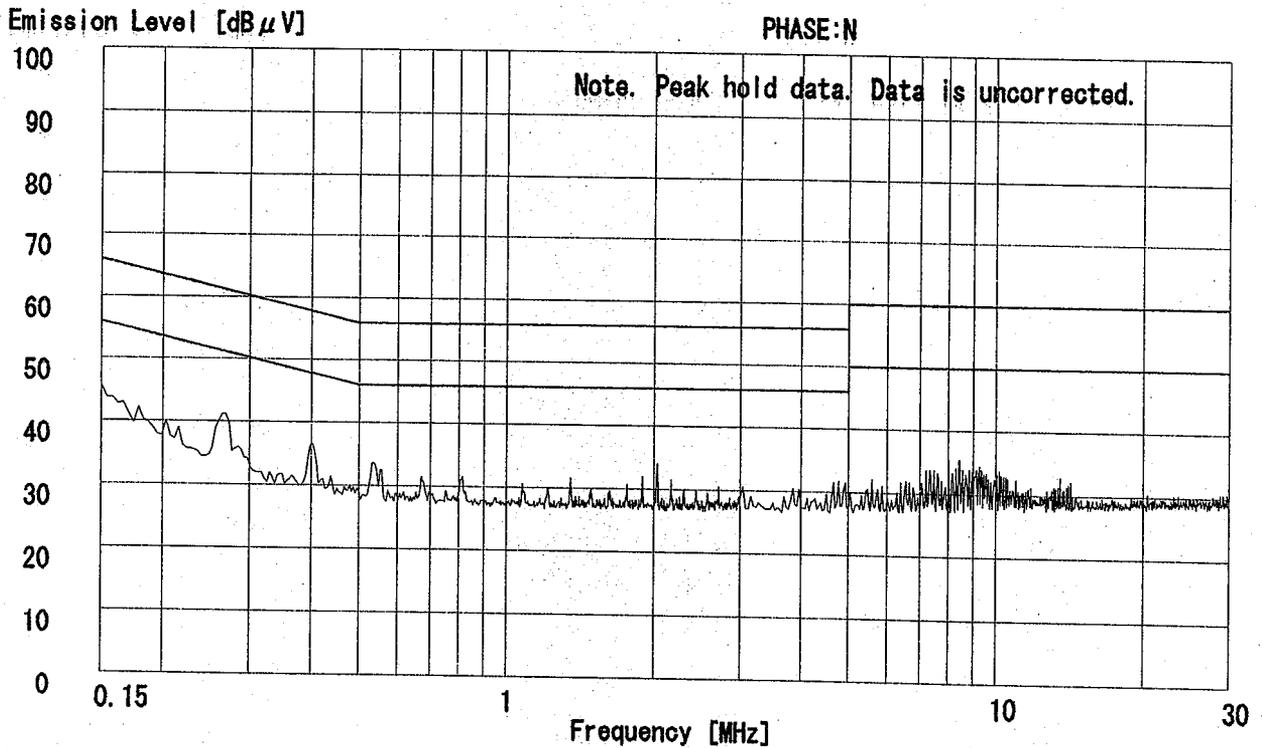


DATA OF CONDUCTION TEST CHART

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23BE0019-H0-9

Applicant : Sony Corporation
Kind of Equipment : Digital Printing System
Model No. : UPX-C200 (DKC-C200X)
Serial No. : 59810047
Power : AC120V/60Hz
Mode : Tx (2480MHz)
Remarks :
Date : 1/9/2003
Phase : Single Phase
Temperature : 26 °C
Humidity : 31 %
Regulation 1 : FCC 15.207 (0.15-30MHz)
Regulation 2 : None


Engineer : Hiroka Umeyama



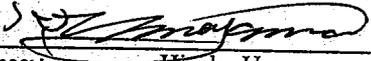
DATA OF CARRIER FREQUENCY SEPARATION

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Printing System
MODEL : DKC-C200X
S/N : 59810048
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X
POWER : AC120V/60Hz
MODE : Tx (Hopping on) /Inquiry

REPORT NO : 23BE0019-HO-9
REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
TEST DISTANCE : -
DATE : 01/10/2003
TEMPERATURE : 19°C
HUMIDITY : 31%

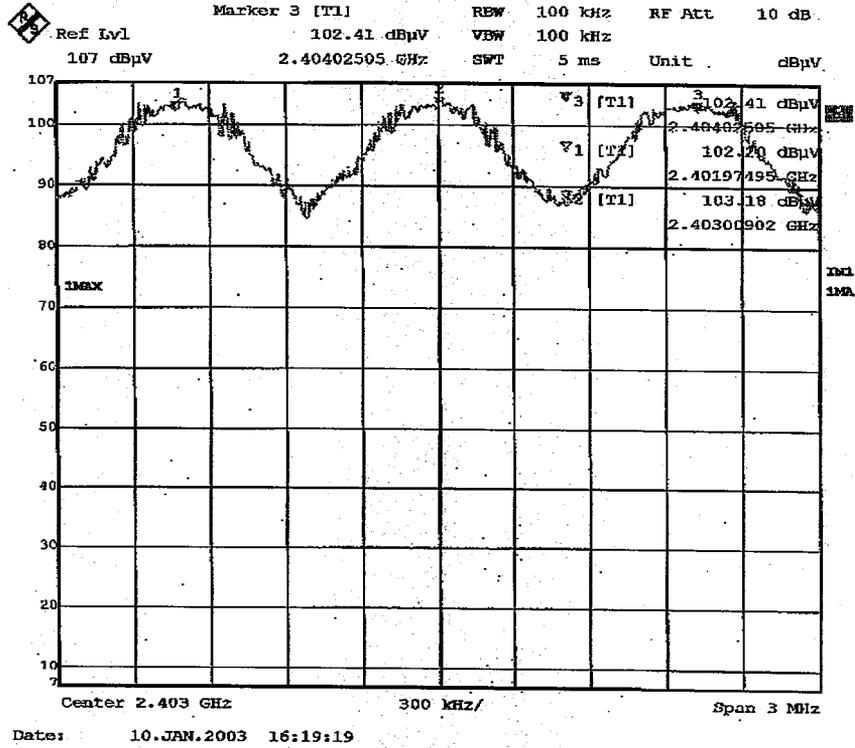

Engineer: Hiroka Umeyama

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

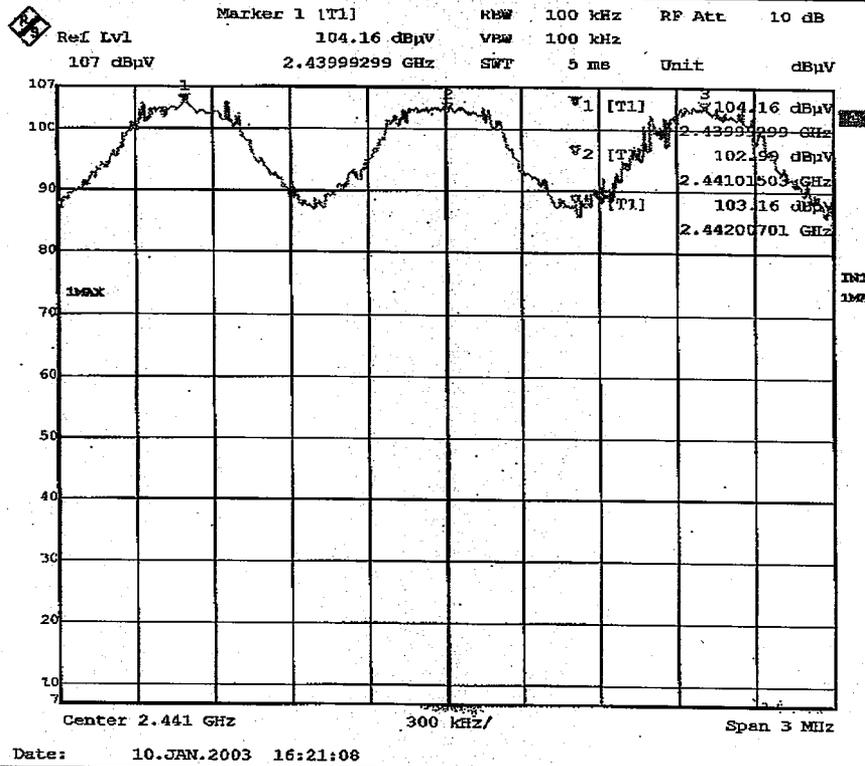
CH	FREQ [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>20dB Bandwidth and 25[kHz]
Mid	2441.0	1.000	>20dB Bandwidth and 25[kHz]
High	2480.0	1.000	>20dB Bandwidth and 25[kHz]
Inquiry	2441.0	1.000	>20dB Bandwidth and 25[kHz]

Test report No : 23BE0019-HO-9
 FCC ID : AK8DKCC200X
 IC Number : 409B-DKCC200X

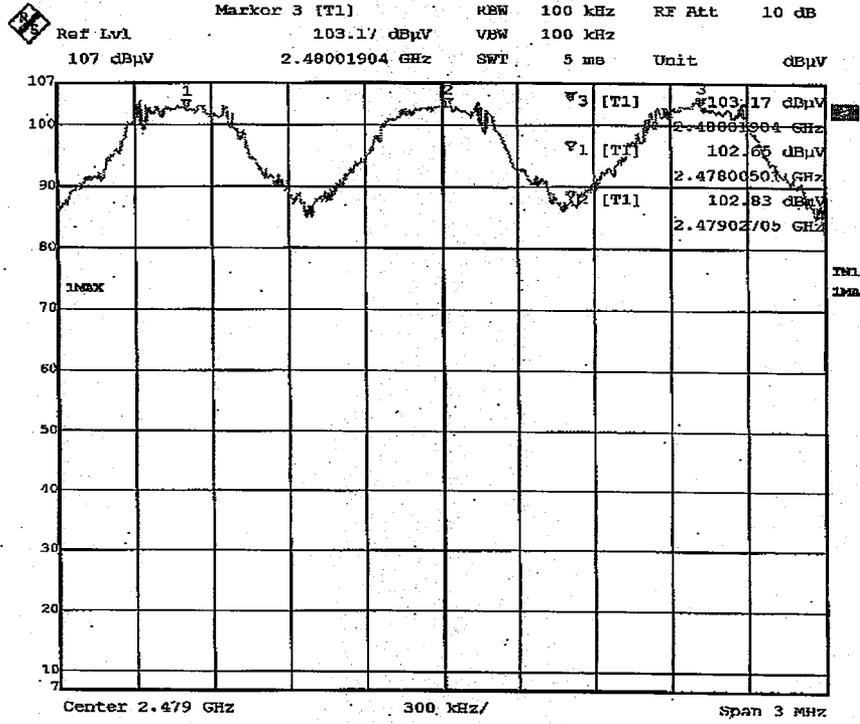
Carrier Frequency Separation :Tx(Hopping on)2402MHz:DKC-C200X



Carrier Frequency Separation :Tx(Hopping on)2441MHz:DKC-C200X

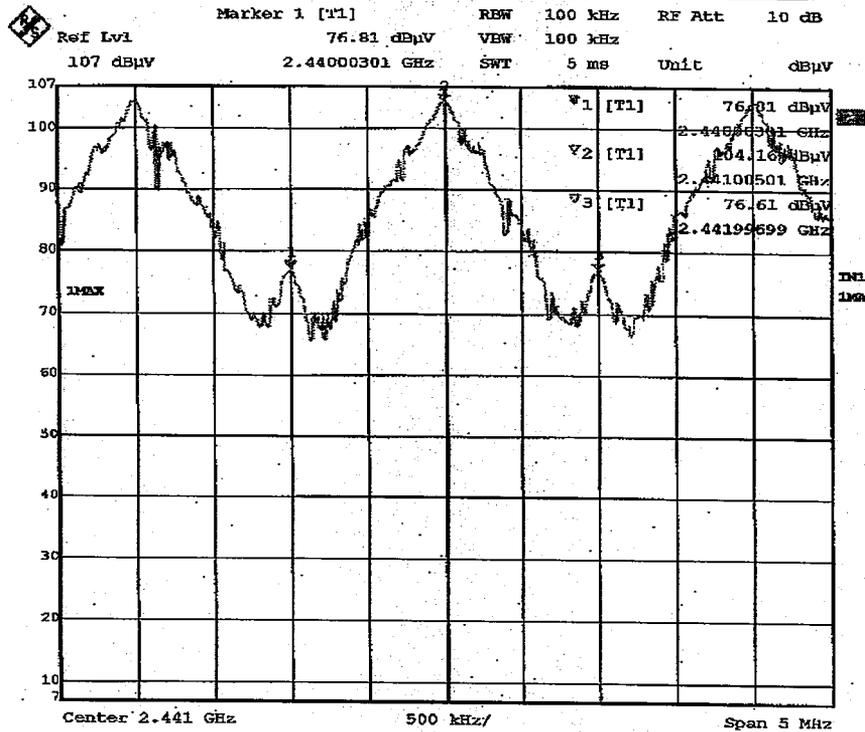


Carrier Frequency Separation :Tx(Hopping on)2480MHz:DKC-C200X



Date: 10.JAN.2003 16:23:29

Carrier Frequency Separation :Inquiry:DKC-C200X



Date: 10.JAN.2003 16:27:52

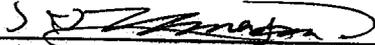
DATA OF 20dB BANDWIDTH

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMB

COMPANY : Sony Corporation
EQUIPMENT : Digital Printing System
MODEL : DKC-C200X
S/ N : 59810048
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X
POWER : AC120V/60Hz
MODE : Tx (Hopping off) /Inquiry

REPORT NO : 23BE0019-HO- 9
REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
TEST DISTANCE : -
DATE : 01/10/2003
TEMPERATURE : 19°C
HUMIDITY : 31%

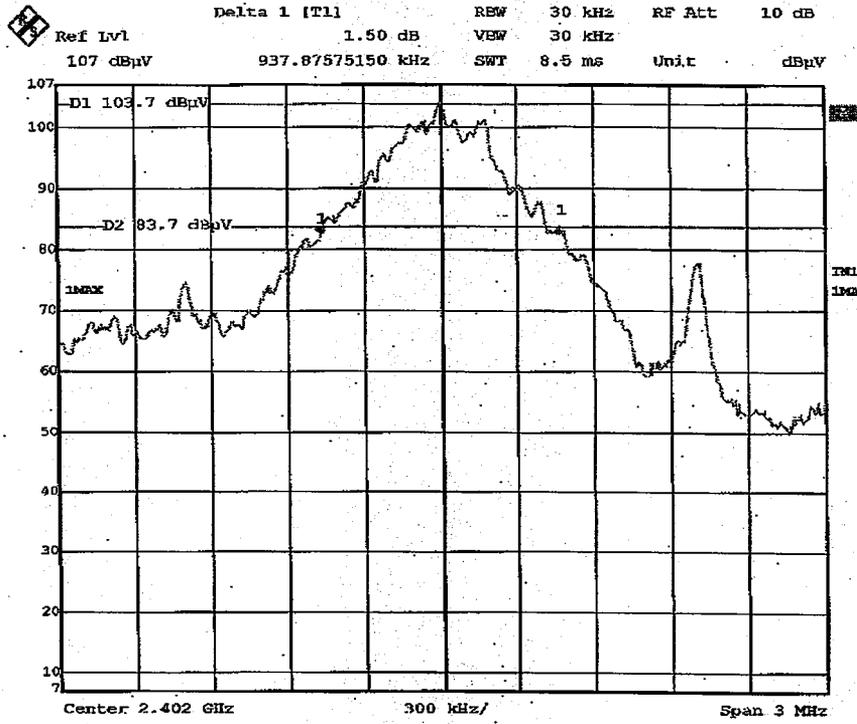
Engineer: 
Hiroka Umeyama

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

CH	FREQ	20dB Bandwidth	Limit
	[MHz]	[MHz]	[MHz]
Low	2402.0	0.938	1.0
Mid	2441.0	0.938	1.0
High	2480.0	0.944	1.0
Inquiry	2441.0	0.800	1.0

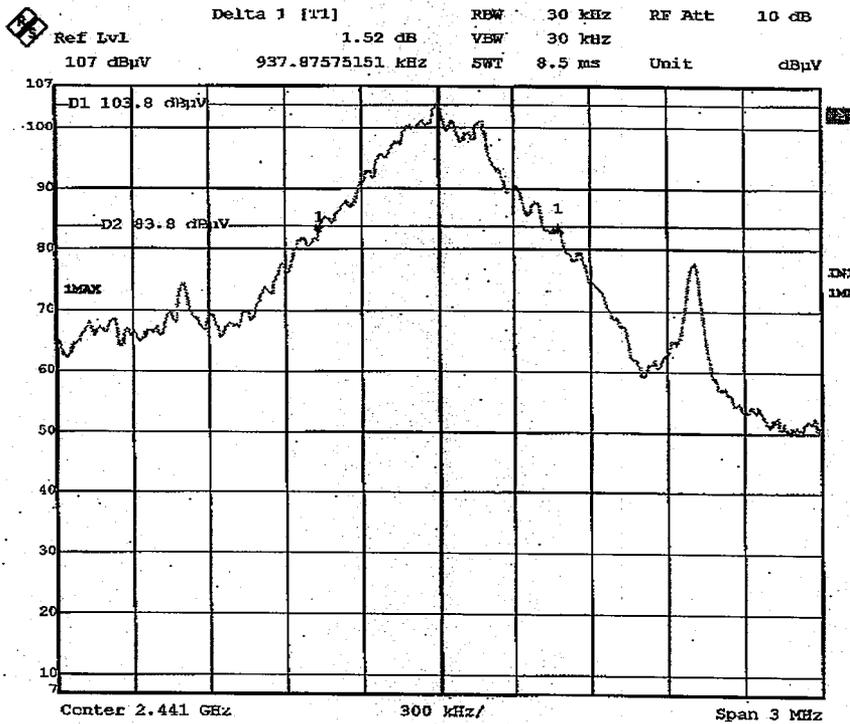
Test report No : 23BE0019-HO-9
 FCC ID : AK8DKCC200X
 IC Number : 409B-DKCC200X

20dB Bandwidth:Tx(Hopping off)2402MHz:DKC-C200X



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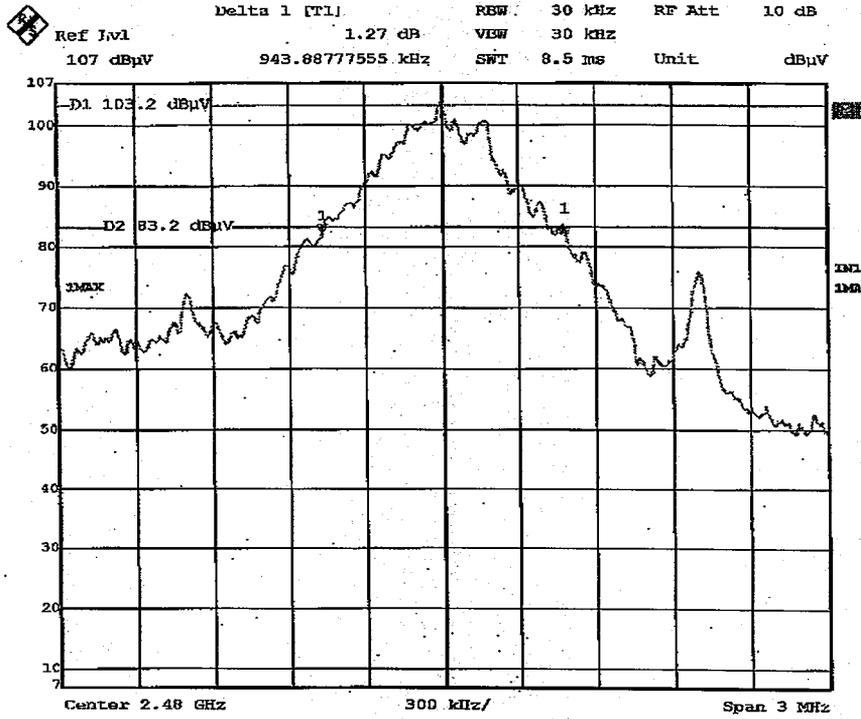
20dB Bandwidth:Tx(Hopping off)2441MHz:DKC-C200X



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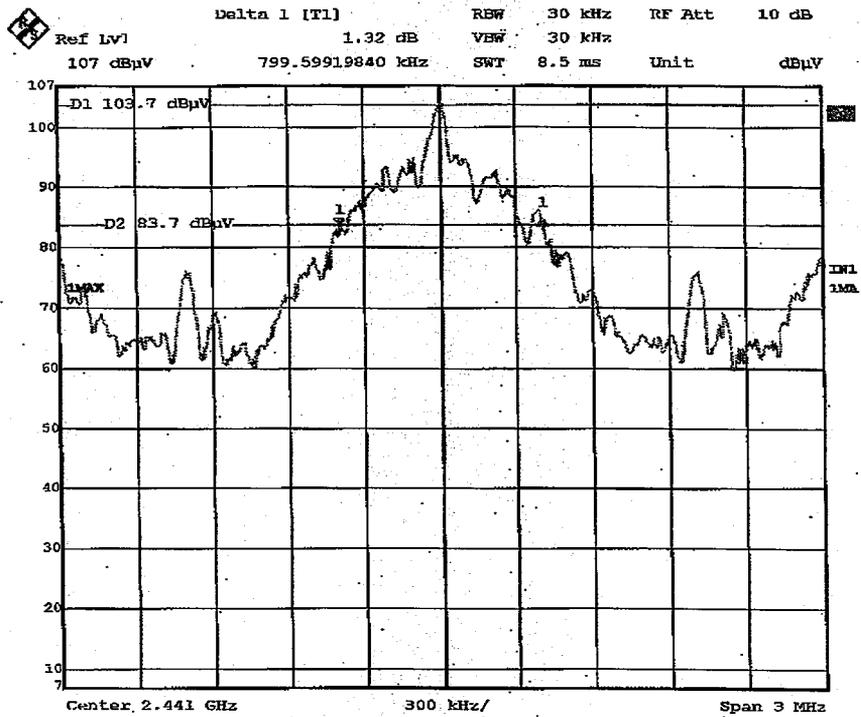
Test report No : 23BE0019-HO-9
 FCC ID : AK8DKCC200X
 IC Number : 409B-DKCC200X

20dB Bandwidth:Tx(Hopping off)2480MHz:DKC-C200X



Date: 10.JAN.2003 16:40:48

20dB Bandwidth:Inquiry:DKC-C200X



Date: 10.JAN.2003 16:31:25