

DATA OF NUMBER OF HOPPING FREQUENCY

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)(iii)
TEST DISTANCE : -
DATE : 01/10/2003
TEMPERATURE : 19°C
HUMIDITY : 31%

Engineer : 
Hiroka Umeyama

PK DETECT(S/A : RBW 300kHz ,VBW 1MHz, sweep time AUTO)

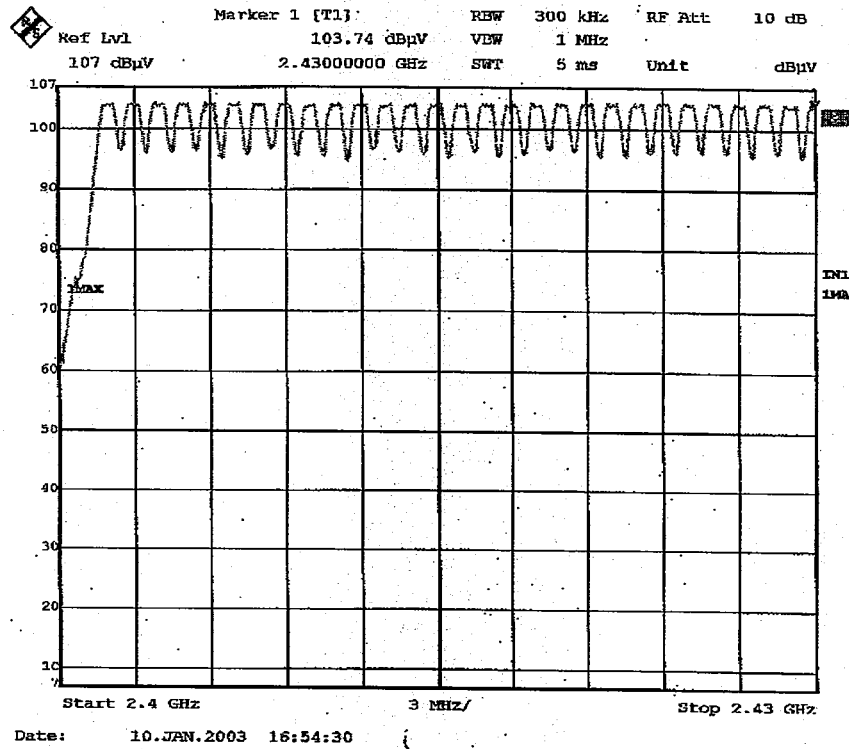
Mode	Number of channel	Limit
	[time]	[time]
Tx(Hoppng on)	79	≥ 15

PK DETECT(S/A : RBW 300kHz ,VBW 1MHz, sweep time AUTO)

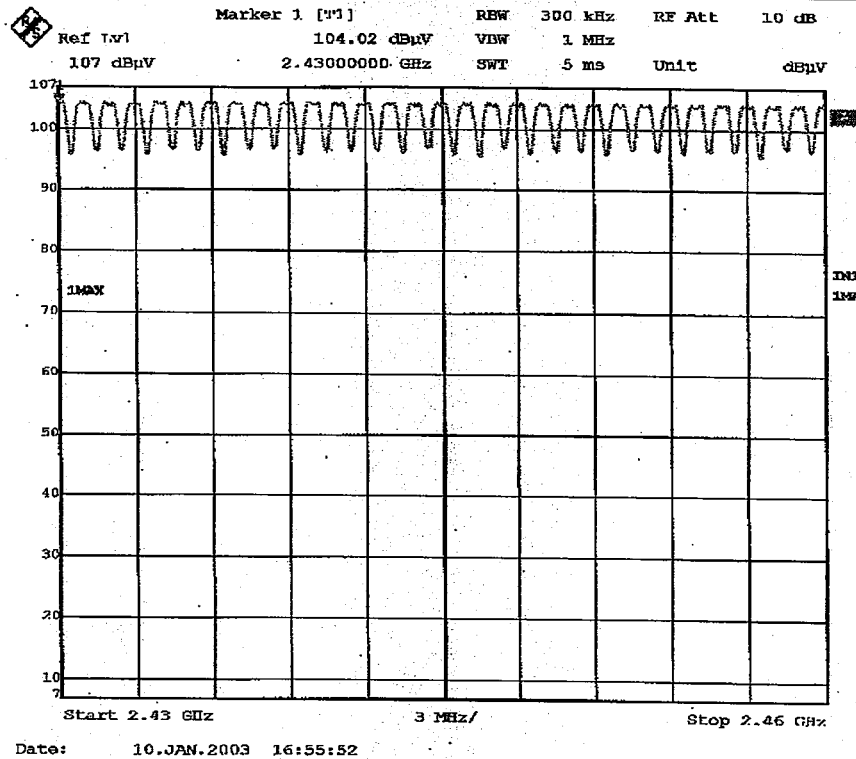
Mode	Number of channel	Limit
	[time]	[time]
Inquiry	32	≥ 15

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

Number of Hopping Frequency :Tx(Hopping on)2400-2430MHz:DKC-C200X

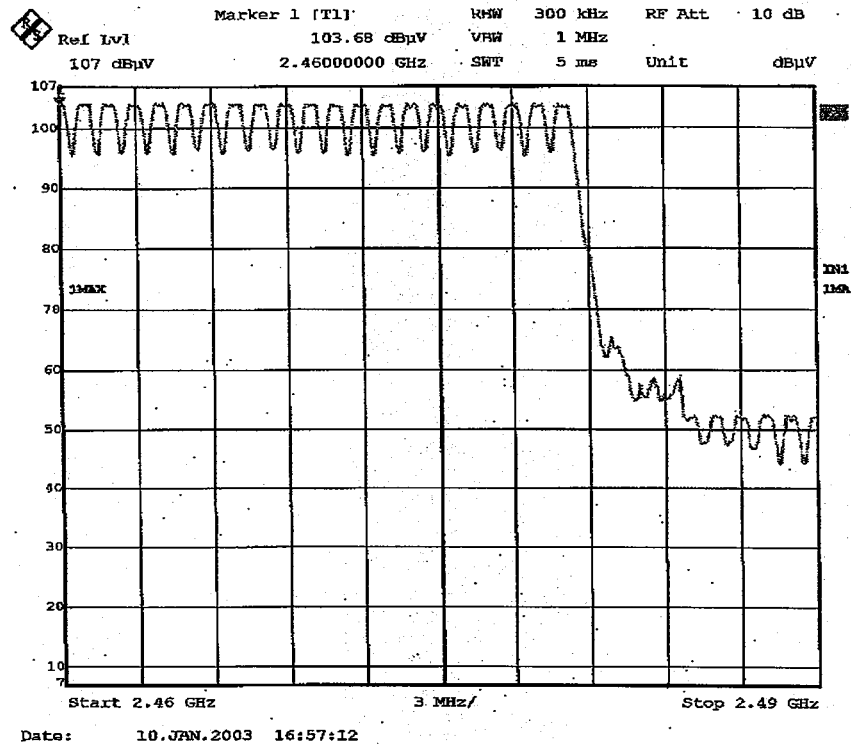


Number of Hopping Frequency :Tx(Hopping on)2430-2460MHz:DKC-C200X

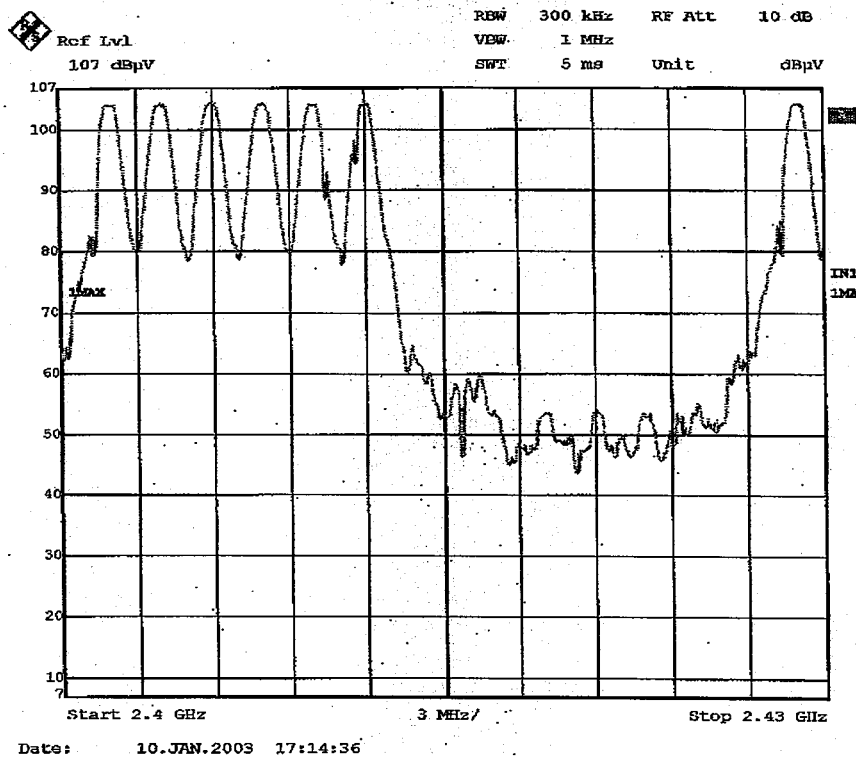


Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Number of Hopping Frequency :Tx(Hopping on)2460-2490MHz:DKC-C200X

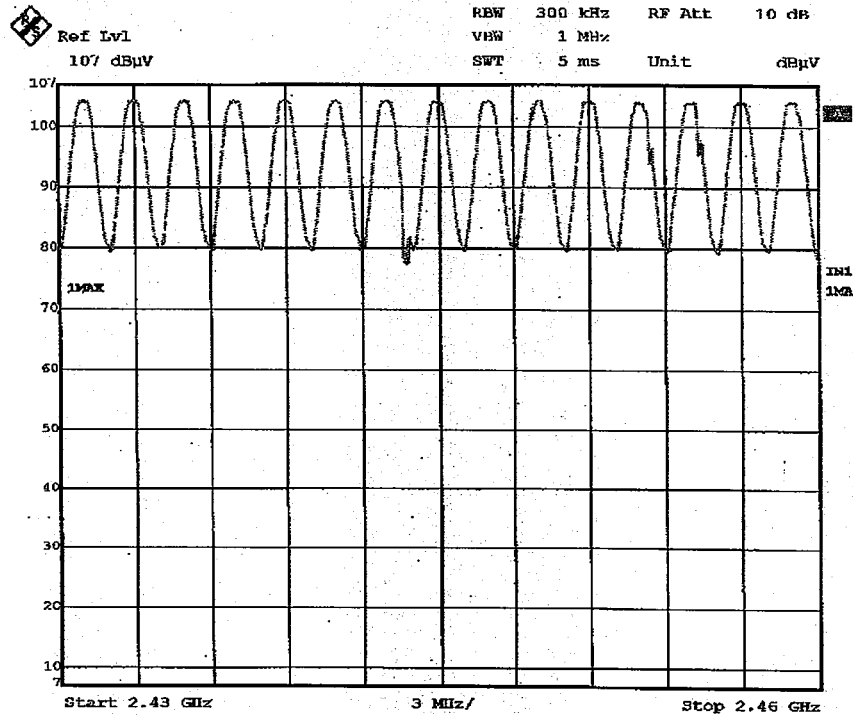


Number of Hopping Frequency :Inquiry2400-2430MHz:DKC-C200X



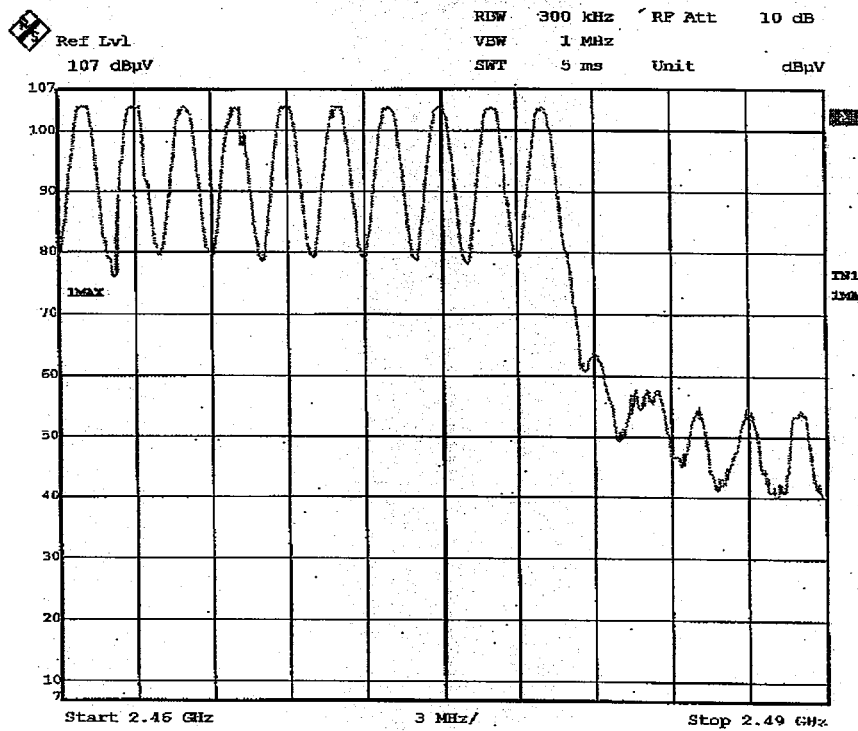
Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Number of Hopping Frequency :Inquiry2430-2460MHz:DKC-C200X



Date: 10.JAN.2003 17:13:54

Number of Hopping Frequency :Inquiry2460-2490MHz:DKC-C200X



Date: 10.JAN.2003 17:16:22

DATA OF DWELL TIME

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
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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)(iii)
TEST DISTANCE : -
DATE : 01/10/2003
TEMPERATURE : 19°C
HUMIDITY : 31%

Engineer :

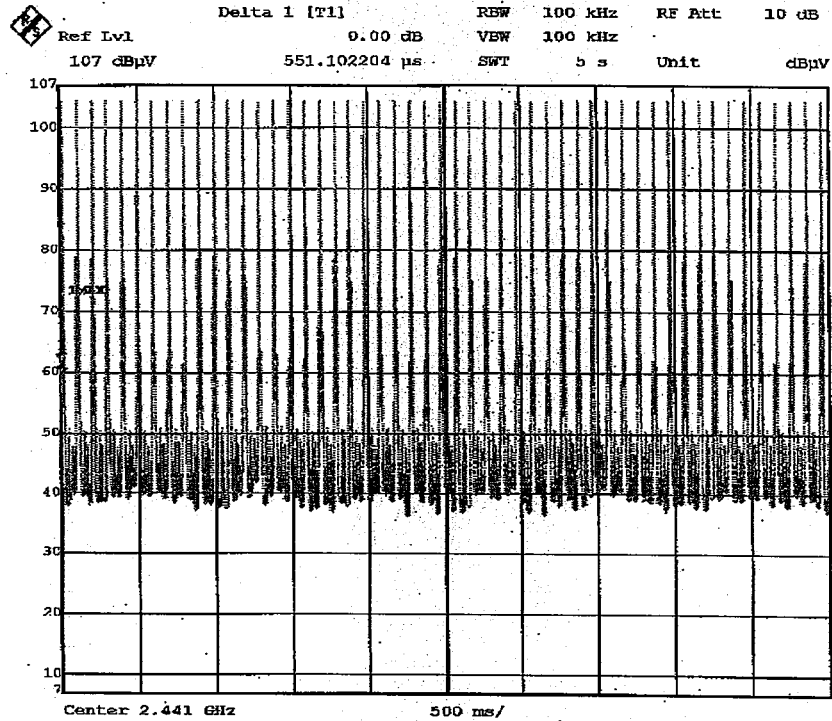

Hiroka Umeyama

PK DETECT(S/A :span ZERO, RBW 1MHz, VBW 3MHz, sweep time 1ms-10ms)

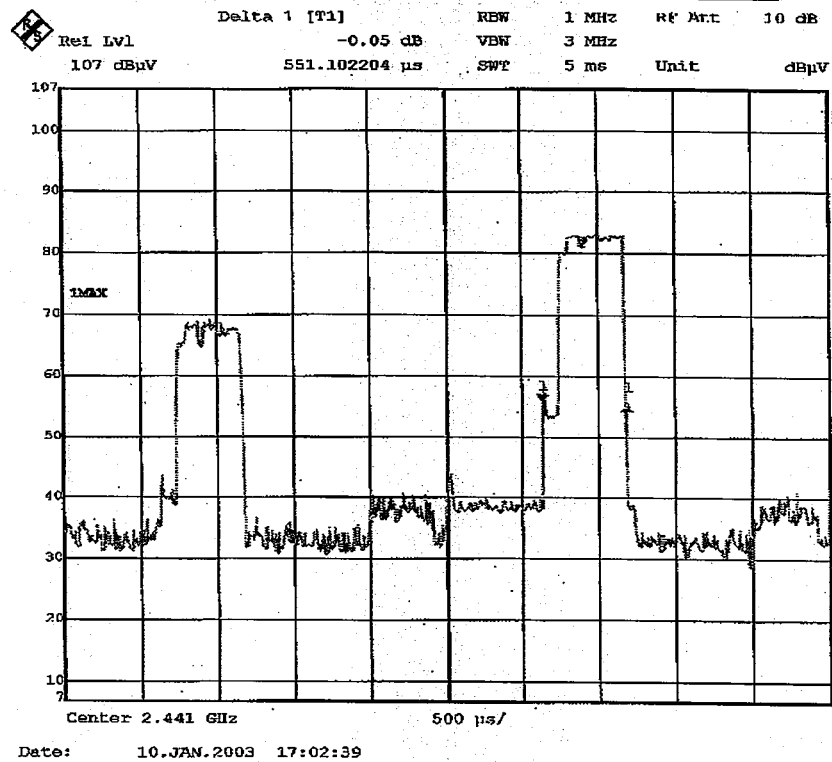
Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	50 times /5sec. x 6.32 = 316 times	0.551	174	400
DH3	25 times / 5sec. x 6.32 = 158 times	1.683	266	400
DH5	17 times / 5 sec. x 6.32 = 108 times	2.956	320	400
Inquiry	100 times / 1sec. x 12.8 = 1280 times	0.156	200	400

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

Dwell time :Tx(Hopping on)DH1(1):DKC-C200X

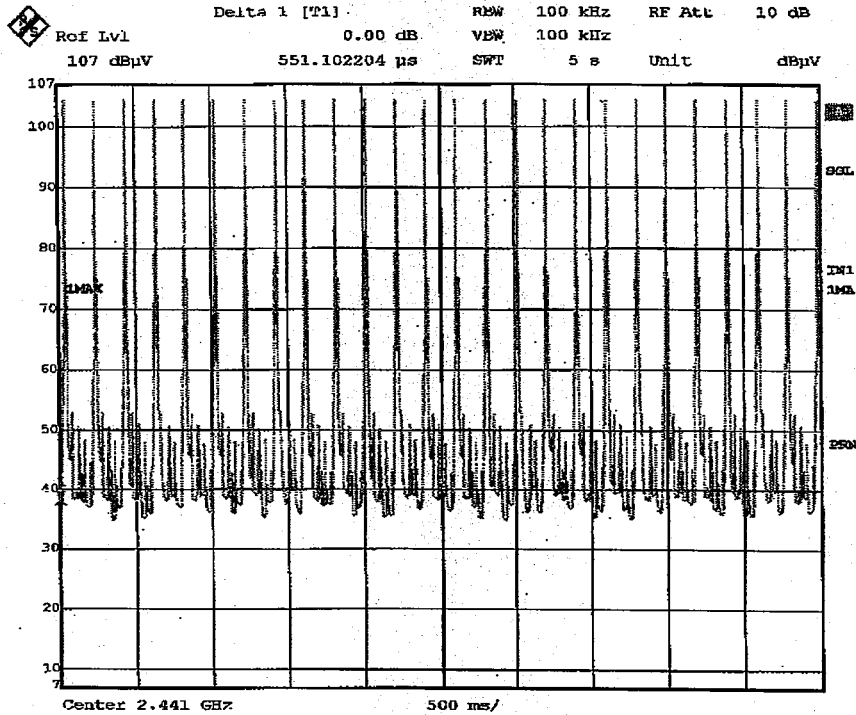


Dwell time :Tx(Hopping on)DH1(2):DKC-C200X



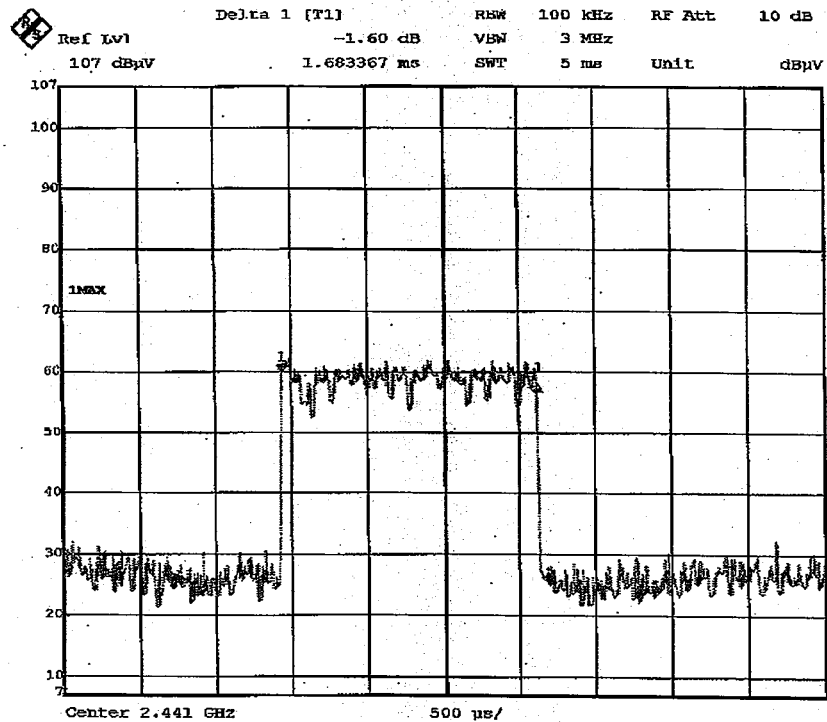
Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Dwell time :Tx(Hopping on)DH3(1):DKC-C200X



Date: 10.JAN.2003 17:03:24

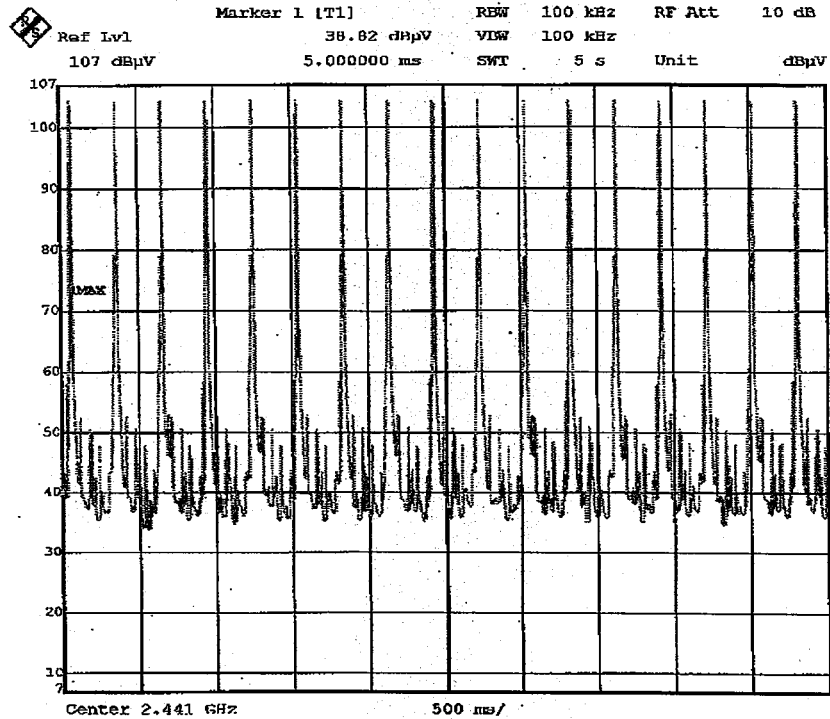
Dwell time :Tx(Hopping on)DH3(2):DKC-C200X



Date: 10.JAN.2003 17:05:41

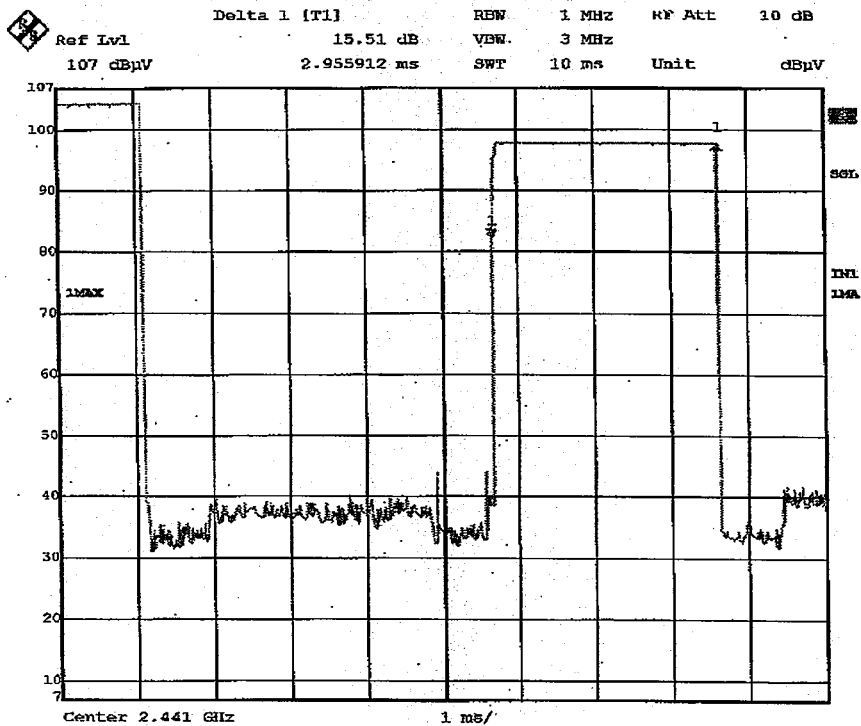
Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Dwell time :Tx(Hopping on)DH5(1):DKC-C200X



Date: 10.JAN.2003 16:59:02

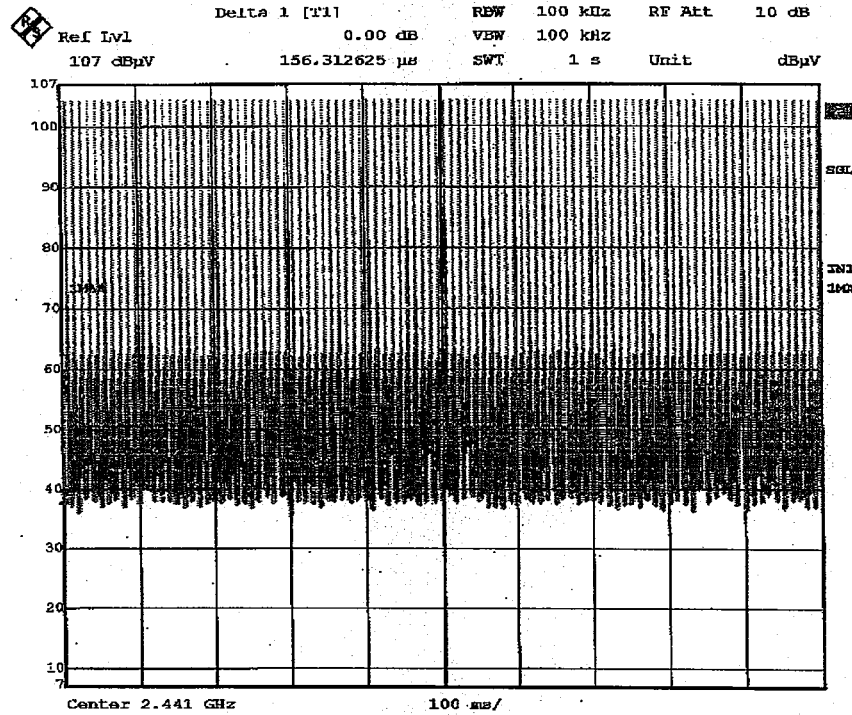
Dwell time :Tx(Hopping on)DH5(2):DKC-C200X



Date: 10.JAN.2003 17:00:43

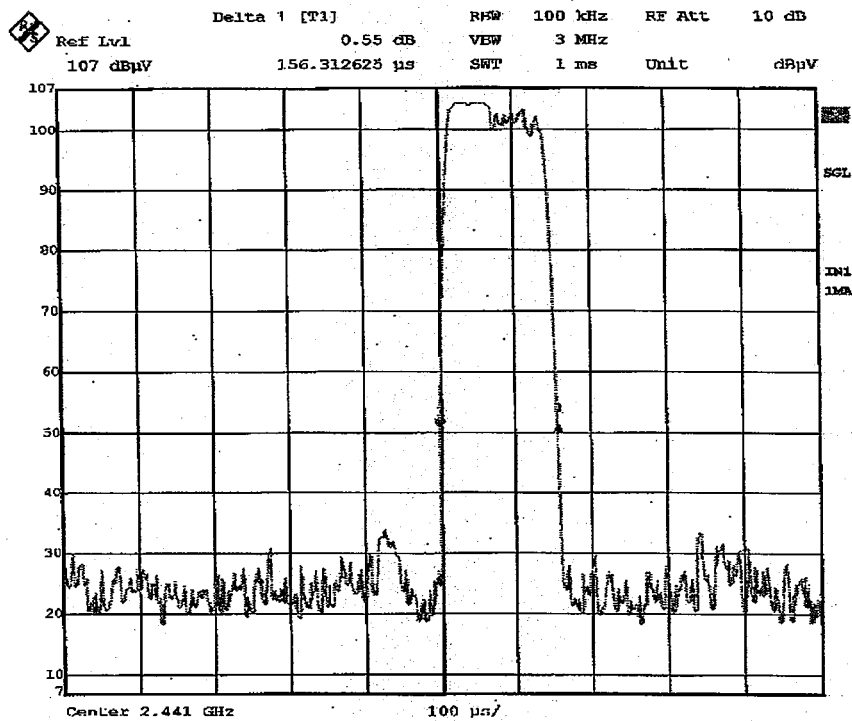
Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Dwell time :Inquiry (1):DKC-C200X



Date: 10.JAN.2003 17:08:36

Dwell time :Inquiry (2):DKC-C200X



Date: 10.JAN.2003 17:08:00

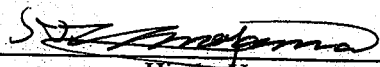
DATA OF PEAK OUTPUT POWER(CONDUCTED)

A-Pex International Co., Ltd.

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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(b)(1)
TEST DISTANCE : -
DATE : 01/10/2003
TEMPERATURE : 19°C
HUMIDITY : 31%


Engineer : Hiroka Umeyama

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

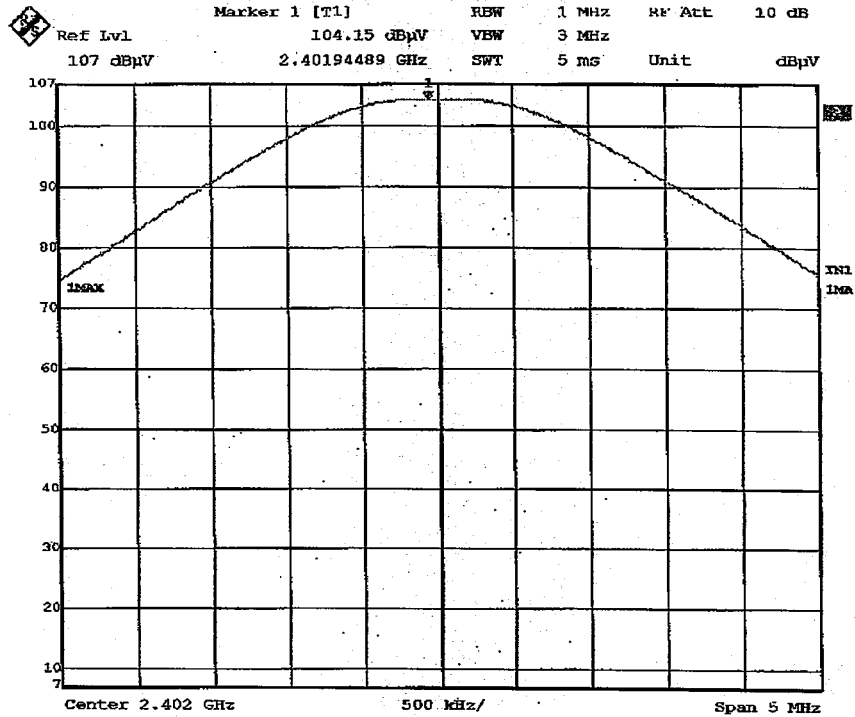
CH	FREQ [MHz]	S/A Reading [dBuV]	Cable Loss [dB]	Result [dBuV]	Result [dBm]	Limit (1W) [dBm]
Low	2402.0	104.2	1.7	105.9	-1.10	30.0
Mid	2441.0	104.2	1.8	106.0	-1.00	30.0
High	2480.0	103.7	1.8	105.5	-1.50	30.0
Inquiry	2441.0	104.0	1.8	105.8	-1.20	21.0

Sample Calculation :

Result = S/A Reading + Cable Loss

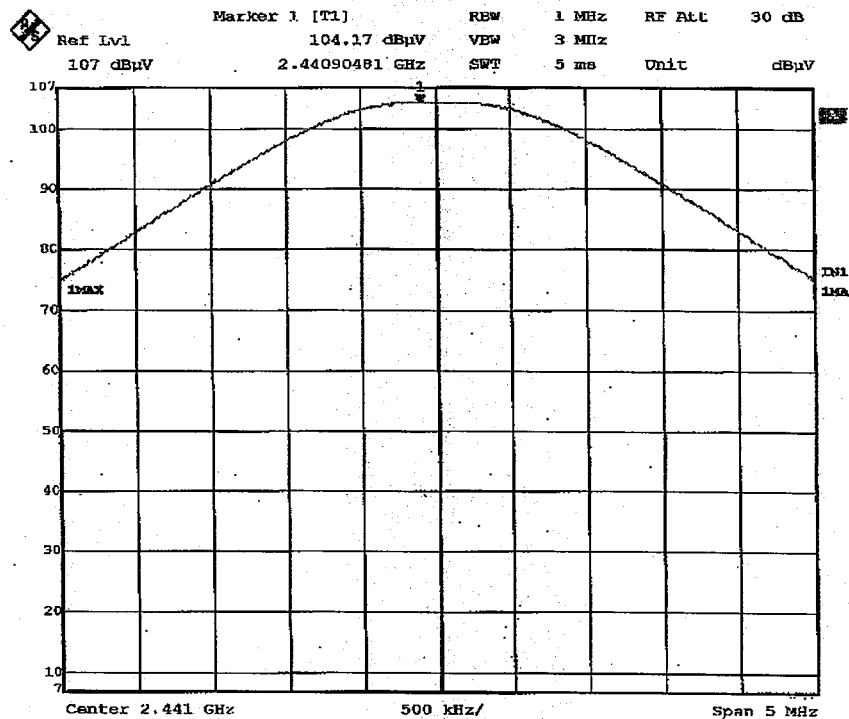
Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Peak Output Power(Conducted):Tx(2402MHz):DKC-C200X



Date: 10.JAN.2003 15:27:35

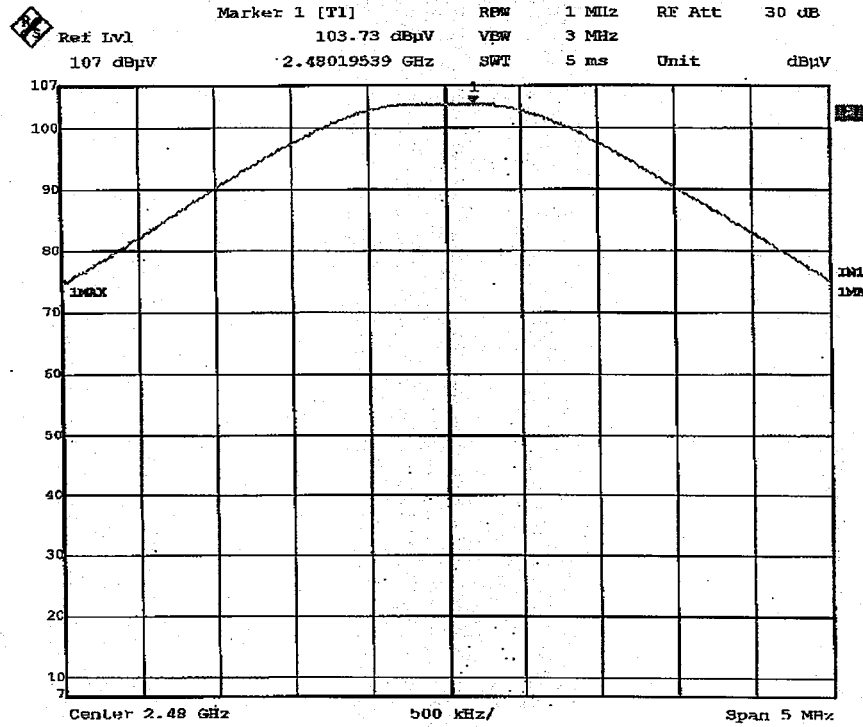
Peak Output Power(Conducted):Tx(2441MHz):DKC-C200X



Date: 10.JAN.2003 15:29:48

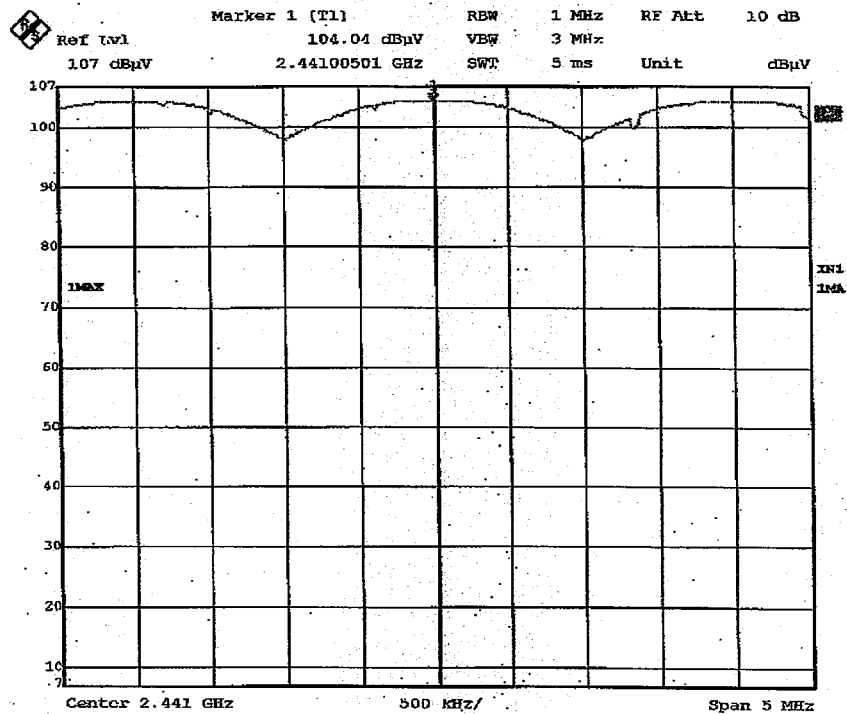
Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Peak Output Power(Conducted):Tx(2480MHz):DKC-C200X



Date: 10.JAN.2003 15:31:22

Peak Output Power(Conducted):Inquiry:DKC-C200X



Date: 10.JAN.2003 17:11:08

DATA OF BAND EDGE

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.1 SEMI ANECHOIC CHAMBER

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

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

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	50.3	1.7	52.0	3.16	-	43.8	<74[dBuV/m]
2400.0	60.4	1.7	62.1	-	43.3*	-	>20[dB]
2483.5	56.2	1.8	58.0	12.59	-	49.8	<74[dBuV/m]

* Reference : Reading (103.7[dBuV]) + Cable Loss (1.7[dB]) = E (105.4[dBuV]) at 2402MHz.

[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	40.3	1.7	42.0	0.32	-	33.8	<74[dBuV/m]
2400.0	62.5	1.7	64.2	-	41.5*	-	>20[dB]
2483.5	57.6	1.8	59.4	17.38	-	51.2	<74[dBuV/m]

* Reference : Reading (104.0[dBuV]) + Cable Loss (1.7[dB]) = E (105.7[dBuV]) at 2402MHz.

Sample Calculation:

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

E : Reading + Cable Loss

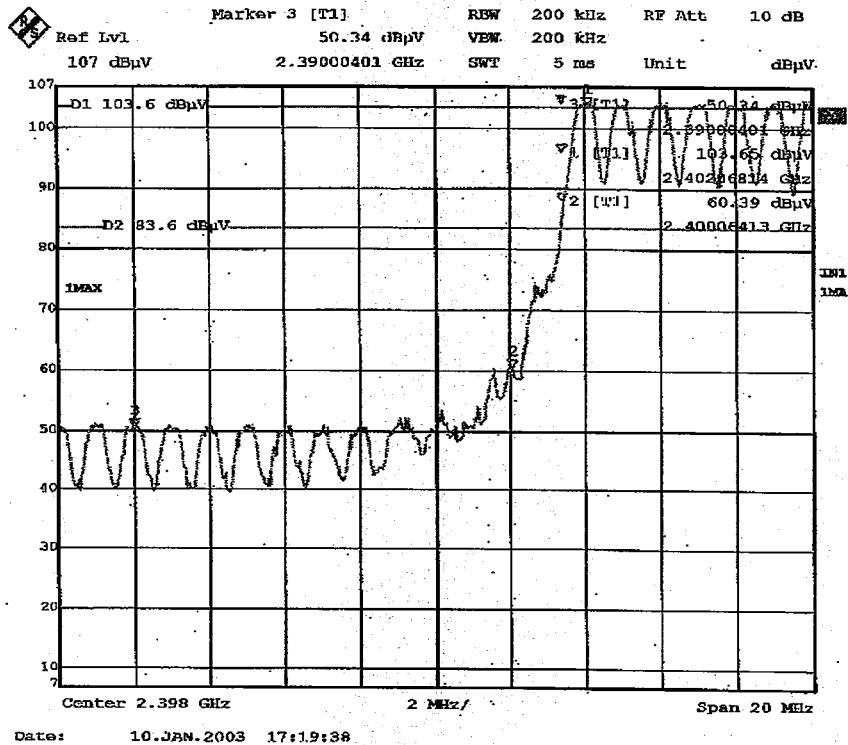
P : Converted to nW

d : Test distance(3.0m)

G : Numeric Antenna Gain (2.27)

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

Band Edge :Tx(Hopping on)2402MHz:DKC-C200X



Band Edge :Tx(Hopping on)2480MHz:DKC-C200X

