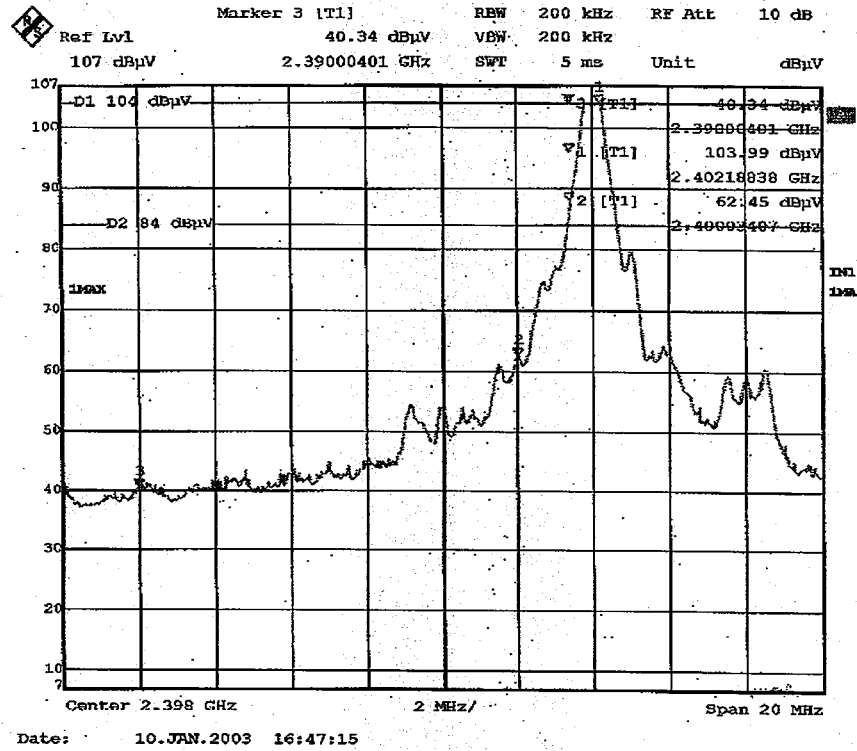
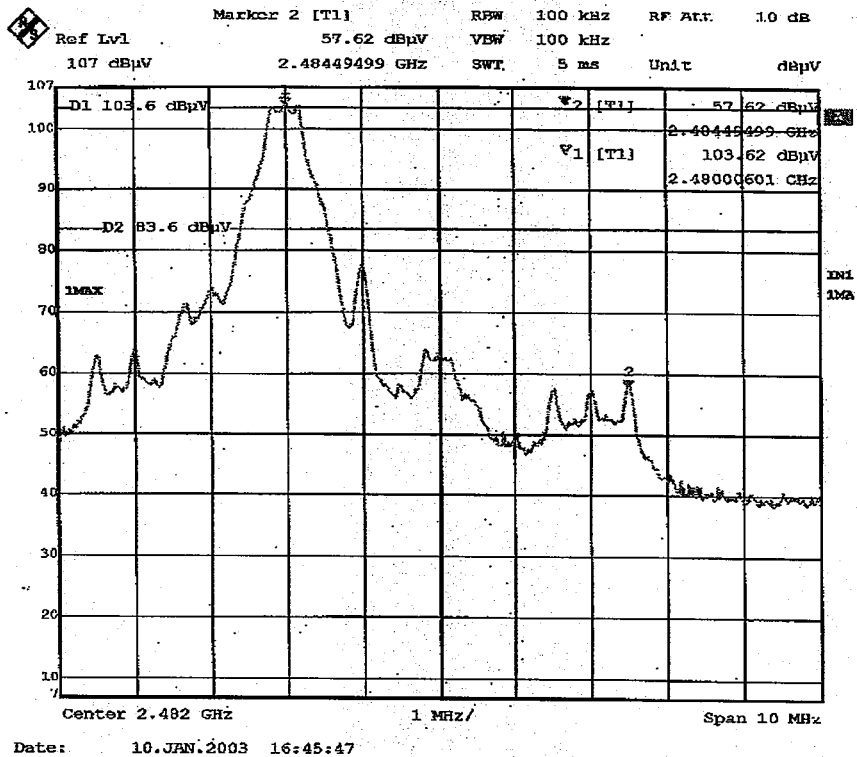


Test report No : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

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



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



DATA OF RADIATION 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 (2402MHz)
Remarks :
Date : 1/8/2003
Test Distance : 3 m
Temperature : 23 °C
Humidity : 30 %
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.	96.02	BB	42.4	46.6	9.7	26.9	1.1	5.8	32.1	36.3	43.5	11.4	7.2
2.	120.00	BB	34.0	36.9	12.7	26.7	1.2	5.8	27.0	29.9	43.5	16.5	13.6
3.	144.02	BB	32.0	30.6	15.1	26.5	1.3	5.8	27.7	26.3	43.5	15.8	17.2
4.	288.05	BB	38.4	35.5	19.3	26.2	1.9	5.7	39.1	36.2	46.0	6.9	9.8
5.	480.08	BB	35.0	32.5	18.3	27.4	2.7	5.8	34.4	31.9	46.0	11.6	14.1
6.	888.15	BB	31.5	32.4	22.6	27.1	3.9	5.7	36.6	37.5	46.0	9.4	8.5

CALCULATION: $\text{READING}[\text{dB} \mu\text{V}] + \text{ANT. FACTOR}[\text{dB/m}] + \text{CABLE LOSS}[\text{dB}] - \text{AMP. GAIN}[\text{dB}] + \text{ATTEN}[\text{dB}]$.

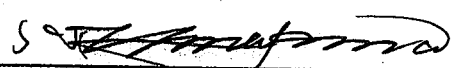
All other spurious emissions were less than 20dB for the limit.

ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic, 1000MHz- Horn

DATA OF RADIATION 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 : 1/8/2003
Test Distance : 3 m
Temperature : 23 °C
Humidity : 30 %
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.	96.02	BB	43.4	46.1	9.7	26.9	1.1	5.8	33.1	35.8	43.5	10.4	7.7
2.	120.00	BB	36.6	39.0	12.7	26.7	1.2	5.8	29.6	32.0	43.5	13.9	11.5
3.	144.02	BB	35.0	34.6	15.1	26.5	1.3	5.8	30.7	30.3	43.5	12.8	13.2
4.	288.05	BB	39.0	33.0	19.3	26.2	1.9	5.7	39.7	33.7	46.0	6.3	12.3
5.	480.08	BB	34.4	31.6	18.3	27.4	2.7	5.8	33.8	31.0	46.0	12.2	15.0
6.	888.15	BB	31.1	32.4	22.6	27.1	3.9	5.7	36.2	37.5	46.0	9.8	8.5

CALCULATION: $\text{READING}[\text{dB} \mu\text{V}] + \text{ANT. FACTOR}[\text{dB/m}] + \text{CABLE LOSS}[\text{dB}] - \text{AMP. GAIN}[\text{dB}] + \text{ATTEN}[\text{dB}]$.

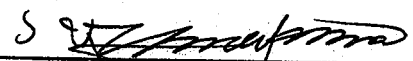
All other spurious emissions were less than 20dB for the limit.

ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic, 1000MHz- Horn

DATA OF RADIATION 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 (2480MHz)
Remarks :
Date : 1/8/2003
Test Distance : 3 m
Temperature : 23 °C
Humidity : 30 %
Regulation : FCC § 15.247 (C)


Engineer : Hiroka Uneyama

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.	96.02	BB	44.1	45.0	9.7	26.9	1.1	5.8	33.8	34.7	43.5	9.7	8.8
2.	120.00	BB	37.1	36.1	12.7	26.7	1.2	5.8	30.1	29.1	43.5	13.4	14.4
3.	144.02	BB	36.2	32.0	15.1	26.5	1.3	5.8	31.9	27.7	43.5	11.6	15.8
4.	288.05	BB	39.4	31.9	19.3	26.2	1.9	5.7	40.1	32.6	46.0	5.9	13.4
5.	480.08	BB	34.5	32.1	18.3	27.4	2.7	5.8	33.9	31.5	46.0	12.1	14.5
6.	888.15	BB	30.7	32.0	22.6	27.1	3.9	5.7	35.8	37.1	46.0	10.2	8.9

CALCULATION: $\text{READING}[\text{dB } \mu \text{V}] + \text{ANT. FACTOR}[\text{dB/m}] + \text{CABLE LOSS}[\text{dB}] - \text{AMP. GAIN}[\text{dB}] + \text{ATTEN}[\text{dB}]$.

All other spurious emissions were less than 20dB for the limit.
ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic, 1000MHz- Horn

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Printing System
MODEL : DKC-C200X
S/N : 59810047
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X
POWER : AC120V/60Hz
MODE : Tx(2402MHz)

REPORT NO : 23BE0019-HO-9
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 01/14/2003
TEMPERATURE : 22°C
HUMIDITY : 39%

Engineer : 
Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1201.0	45.1	45.1	25.3	37.3	4.6	0.0	37.7	37.7	74.0	36.3	36.3
1	4804.0	45.3	43.4	35.1	36.4	8.7	0.3	53.0	51.1	74.0	21.0	22.9
2	7206.0	43.3	43.1	38.3	36.5	10.8	0.0	55.9	55.7	74.0	18.1	18.3
3	9608.0	43.7	43.0	38.5	37.0	12.9	0.0	58.1	57.4	74.0	15.9	16.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12010.0	43.9	44.1	43.3	35.9	14.1	0.0	55.9	56.1	74.0	18.1	17.9
5	14412.0	42.9	43.2	41.7	35.8	15.7	0.0	55.0	55.3	74.0	19.0	18.7
6	16814.0	43.5	44.1	44.3	37.2	17.4	0.0	58.5	59.1	74.0	15.5	14.9
7	19216.0	42.7	42.6	41.0	35.8	18.6	0.0	57.0	56.9	74.0	17.0	17.1
8	21618.0	43.8	43.8	40.1	37.0	19.2	0.0	56.6	56.6	74.0	17.4	17.4
9	24020.0	43.9	43.9	40.3	35.5	20.6	0.0	59.8	59.8	74.0	14.2	14.2

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1201.0	31.7	31.8	25.3	37.3	4.6	0.0	24.3	24.4	54.0	29.7	29.6
1	4804.0	34.9	32.0	35.1	36.4	8.7	0.3	42.6	39.7	54.0	11.4	14.3
2	7206.0	30.2	30.8	38.3	36.5	10.8	0.0	42.8	43.4	54.0	11.2	10.6
3	9608.0	30.4	30.4	38.5	37.0	12.9	0.0	44.8	44.8	54.0	9.2	9.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12010.0	30.5	30.7	43.3	35.9	14.1	0.0	42.5	42.7	54.0	11.5	11.3
5	14412.0	29.8	29.7	41.7	35.8	15.7	0.0	41.9	41.8	54.0	12.1	12.2
6	16814.0	29.9	29.9	44.3	37.2	17.4	0.0	44.9	44.9	54.0	9.1	9.1
7	19216.0	29.9	29.8	41.0	35.8	18.6	0.0	44.2	44.1	54.0	9.8	9.9
8	21618.0	30.8	30.8	40.1	37.0	19.2	0.0	43.6	43.6	54.0	10.4	10.4
9	24020.0	31.1	31.5	40.3	35.5	20.6	0.0	47.0	47.4	54.0	7.0	6.6

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5$ dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Printing System
MODEL : DKC-C200X
S/ N : 59810047
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X
POWER : AC120V/60Hz
MODE : Tx(2441MHz)

REPORT NO : 23BE0019-HO - 9
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 01/14/2003
TEMPERATURE : 22°C
HUMIDITY : 39%

Engineer : 
Hiroka Uneyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1220.5	45.4	46.1	25.4	37.3	4.6	0.0	38.1	38.8	74.0	35.9	35.2
1	4882.0	47.0	45.8	35.5	36.4	8.8	0.4	55.3	54.1	74.0	18.7	19.9
2	7323.0	43.0	43.0	38.6	36.6	10.9	0.0	55.9	55.9	74.0	18.1	18.1
3	9764.0	43.2	42.9	38.5	37.0	13.0	0.0	57.7	57.4	74.0	16.3	16.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
4	12205.0	49.8	49.2	43.2	36.0	14.2	0.0	61.7	61.1	74.0	12.3	12.9
5	14646.0	44.5	43.2	42.8	36.1	15.8	0.0	57.5	56.2	74.0	16.5	17.8
6	17087.0	42.2	42.3	43.8	37.0	17.6	0.0	57.1	57.2	74.0	16.9	16.8
7	19528.0	43.1	42.3	40.6	36.1	18.7	0.0	56.8	56.0	74.0	17.2	18.0
8	21969.0	45.3	45.7	40.9	36.7	19.3	0.0	59.3	59.7	74.0	14.7	14.3
9	24410.0	44.1	44.2	40.5	36.4	20.8	0.0	59.5	59.6	74.0	14.5	14.4

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1220.5	31.8	32.4	25.4	37.3	4.6	0.0	24.5	25.1	54.0	29.5	28.9
1	4882.0	38.4	35.1	35.5	36.4	8.8	0.4	46.7	43.4	54.0	7.3	10.6
2	7323.0	30.2	30.1	38.6	36.6	10.9	0.0	43.1	43.0	54.0	10.9	11.0
3	9764.0	30.2	30.2	38.5	37.0	13.0	0.0	44.7	44.7	54.0	9.3	9.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
4	12205.0	30.4	30.4	43.2	36.0	14.2	0.0	42.3	42.3	54.0	11.7	11.7
5	14646.0	30.2	30.2	42.8	36.1	15.8	0.0	43.2	43.2	54.0	10.8	10.8
6	17087.0	29.5	29.5	43.8	37.0	17.6	0.0	44.4	44.4	54.0	9.6	9.6
7	19528.0	29.8	29.8	40.6	36.1	18.7	0.0	43.5	43.5	54.0	10.5	10.5
8	21969.0	32.0	32.1	40.9	36.7	19.3	0.0	46.0	46.1	54.0	8.0	7.9
9	24410.0	31.2	31.2	40.5	36.4	20.8	0.0	46.6	46.6	54.0	7.4	7.4

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0)$ = 9.5 dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation
EQUIPMENT : Digital Printing System
MODEL : DKC-C200X
S/N : 59810047
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X
POWER : AC120V/60Hz
MODE : Tx(2480MHz)

REPORT NO : 23BE0019-HO - 9
REGULATION : Fcc Part15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 01/14/2003
TEMPERATURE : 22°C
HUMIDITY : 39%

Engineer : 
Hiroka Uneyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1240.0	46.4	46.5	25.5	37.3	4.7	0.0	39.3	39.4	74.0	34.7	34.6
1	2483.5	54.0	54.2	31.2	36.7	6.2	0.0	54.7	54.9	74.0	19.3	19.1
2	4960.0	47.0	44.0	35.9	36.4	8.9	0.5	55.9	52.9	74.0	18.1	21.1
3	7440.0	43.5	43.3	38.9	36.7	11.0	0.0	56.7	56.5	74.0	17.3	17.5
4	9920.0	43.2	43.4	38.4	37.1	13.1	0.0	57.6	57.8	74.0	16.4	16.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
5	12400.0	43.8	44.1	43.1	36.0	14.4	0.0	55.8	56.1	74.0	18.2	17.9
6	14880.0	42.9	42.9	43.9	36.4	16.0	0.0	56.9	56.9	74.0	17.1	17.1
7	17360.0	42.2	42.7	43.7	36.6	17.7	0.0	57.5	58.0	74.0	16.5	16.0
8	19840.0	42.6	43.4	40.1	36.3	18.8	0.0	55.7	56.5	74.0	18.3	17.5
9	22320.0	45.7	45.1	40.7	36.7	19.5	0.0	59.7	59.1	74.0	14.3	14.9
10	24800.0	44.9	44.7	40.6	36.5	21.1	0.0	60.6	60.4	74.0	13.4	13.6

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1240.0	32.5	32.3	25.5	37.3	4.7	0.0	25.4	25.2	54.0	28.6	28.8
1	2483.5	40.3	41.7	31.2	36.7	6.2	0.0	41.0	42.4	54.0	13.0	11.6
2	4960.0	38.1	31.8	35.9	36.4	8.9	0.5	47.0	40.7	54.0	7.0	13.3
3	7440.0	30.8	30.5	38.9	36.7	11.0	0.0	44.0	43.7	54.0	10.0	10.3
4	9920.0	30.5	30.5	38.4	37.1	13.1	0.0	44.9	44.9	54.0	9.1	9.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
5	12400.0	30.7	30.8	43.1	36.0	14.4	0.0	42.7	42.8	54.0	11.3	11.2
6	14880.0	29.9	30.2	43.9	36.4	16.0	0.0	43.9	44.2	54.0	10.1	9.8
7	17360.0	29.6	29.6	43.7	36.6	17.7	0.0	44.9	44.9	54.0	9.1	9.1
8	19840.0	29.8	29.8	40.1	36.3	18.8	0.0	42.9	42.9	54.0	11.1	11.1
9	22320.0	32.2	32.2	40.7	36.7	19.5	0.0	46.2	46.2	54.0	7.8	7.8
10	24800.0	31.5	31.5	40.6	36.5	21.1	0.0	47.2	47.2	54.0	6.8	6.8

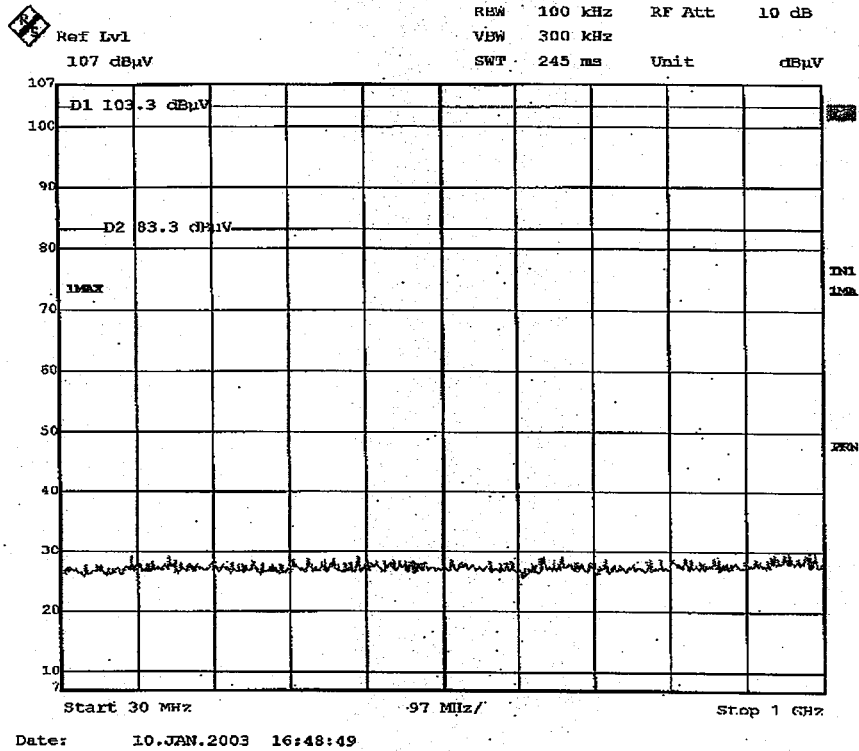
Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0)

9.5 dB

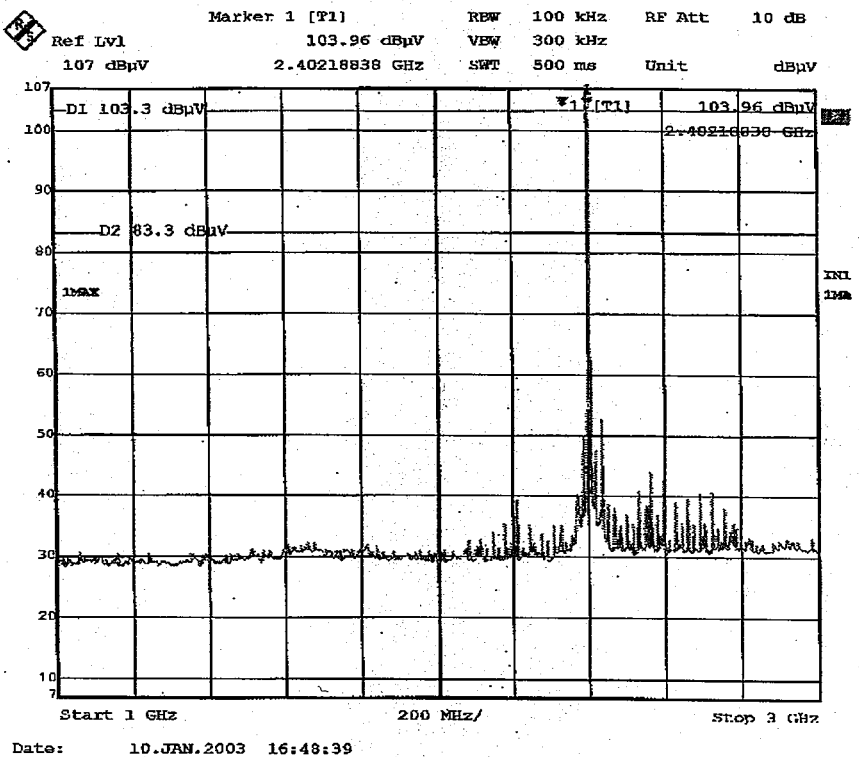
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

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

Spurious Emission(Conducted) :Tx(2402MHz):DKC-C200X

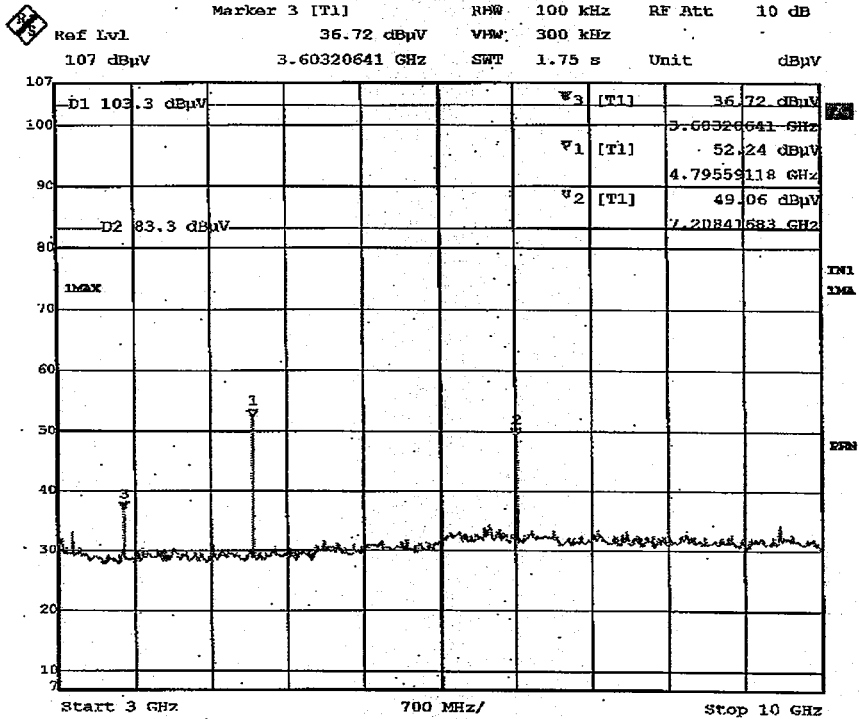


Spurious Emission(Conducted) :Tx(2402MHz):DKC-C200X



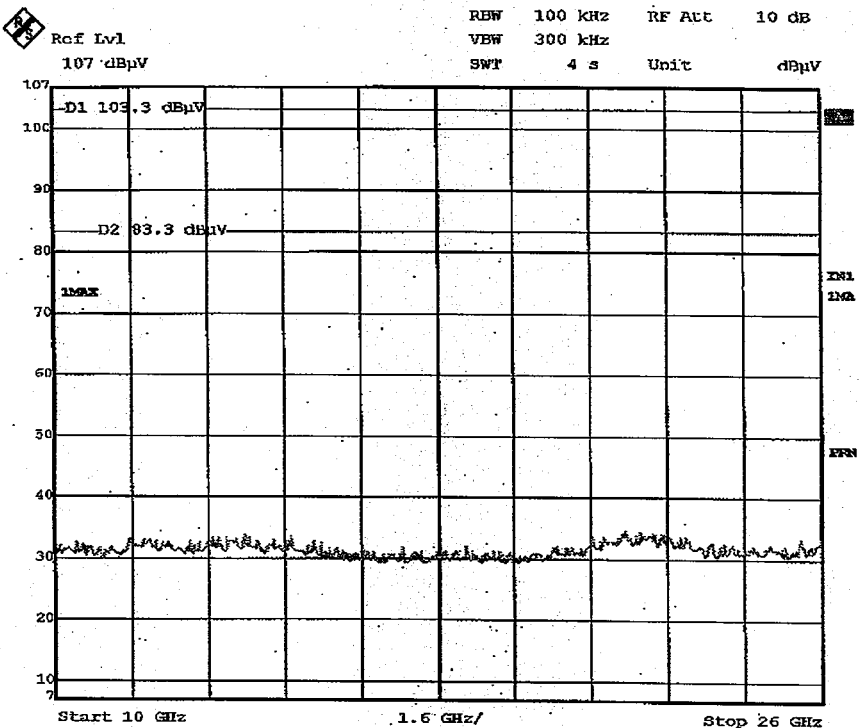
Test report No. : 23BE0019-HO-9
FCC ID : AK8DKCC200X
IC Number : 409B-DKCC200X

Spurious Emission(Conducted) :Tx(2402MHz):DKC-C200X



Date: 10.JAN.2003 16:49:13

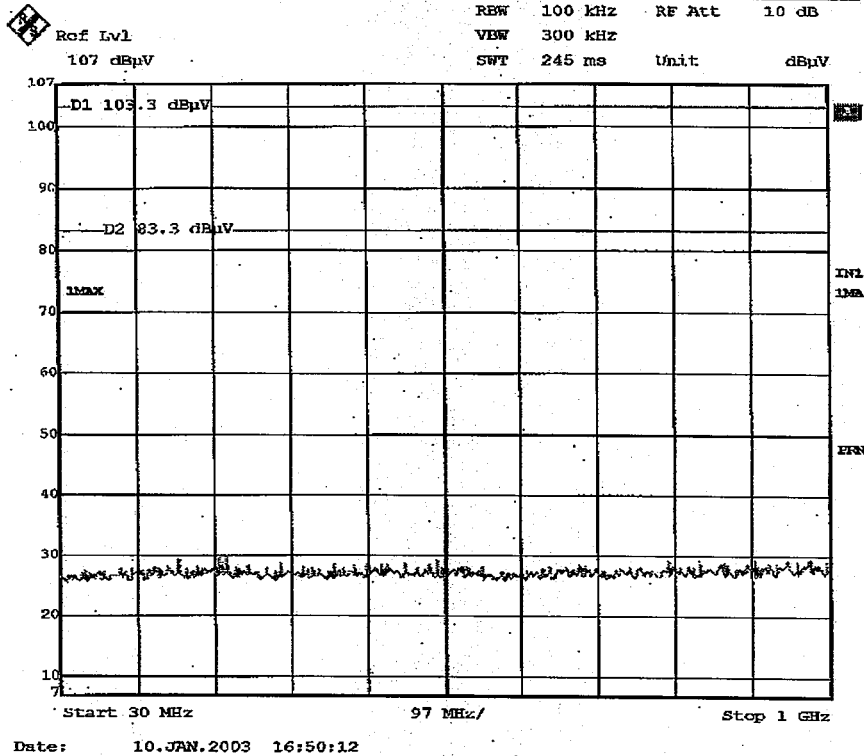
Spurious Emission(Conducted) :Tx(2402MHz):DKC-C200X



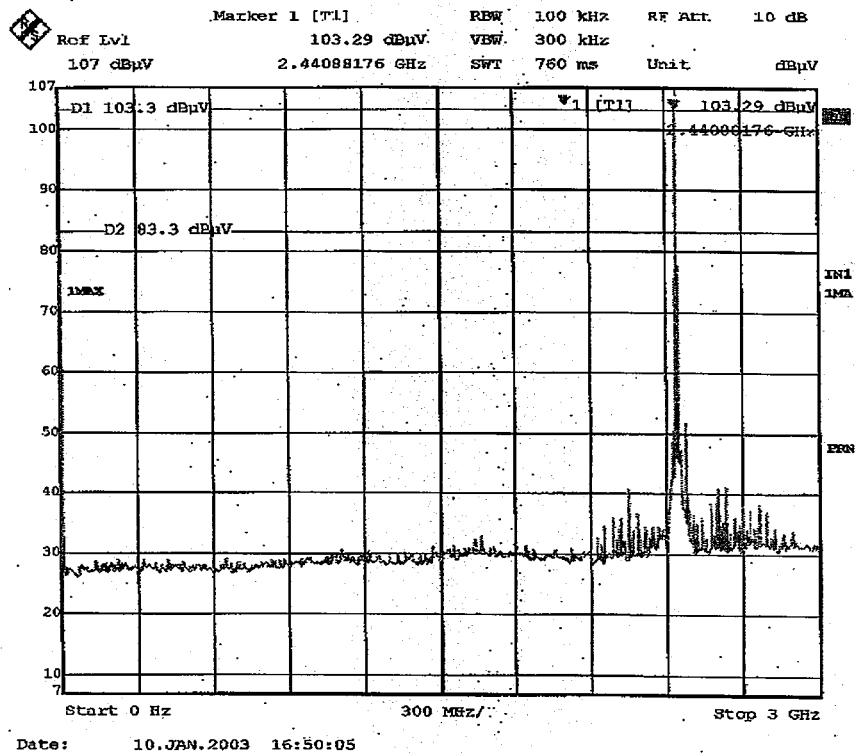
Date: 10.JAN.2003 16:49:23

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

Spurious Emission(Conducted) :Tx(2441MHz):DKC-C200X

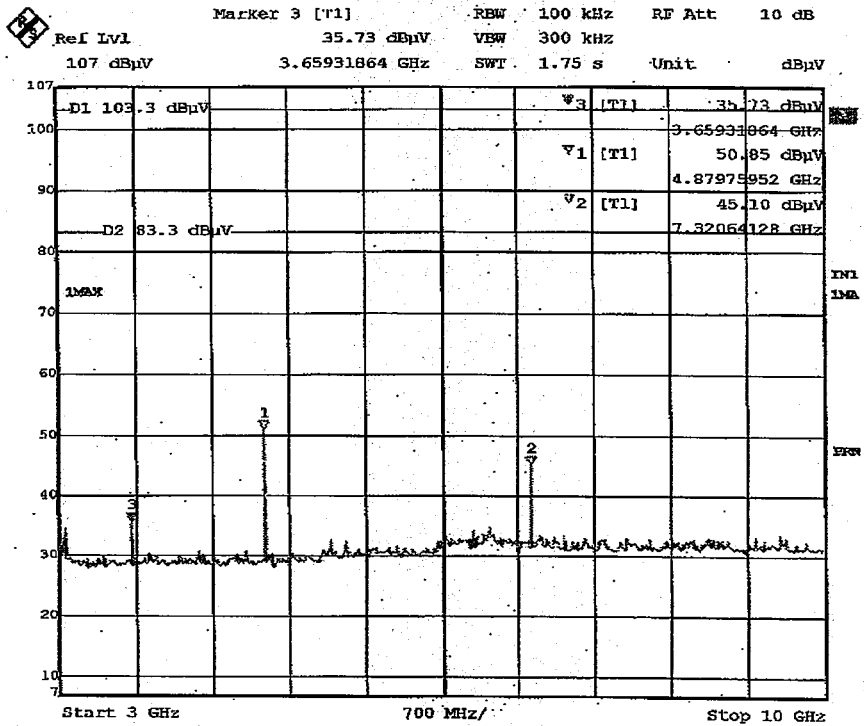


Spurious Emission(Conducted) :Tx(2441MHz):DKC-C200X



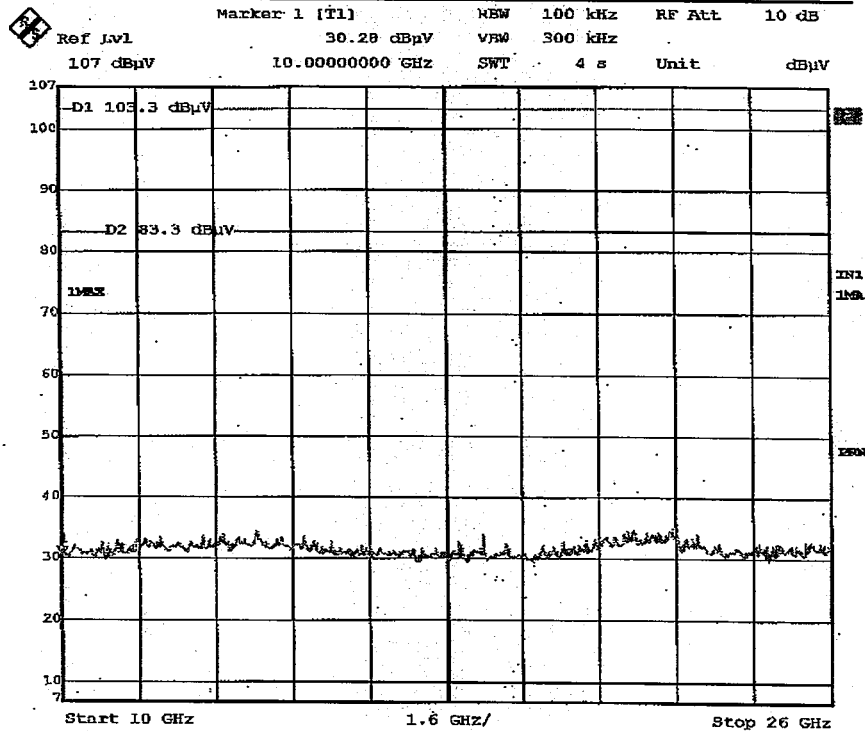
Test report No. : 23BE0019-HO-9
 FCC ID : AK8DKCC200X
 IC Number : 409B-DKCC200X

Spurious Emission(Conducted) :Tx(2441MHz):DKC-C200X



Date: 10.JAN.2003 16:50:43

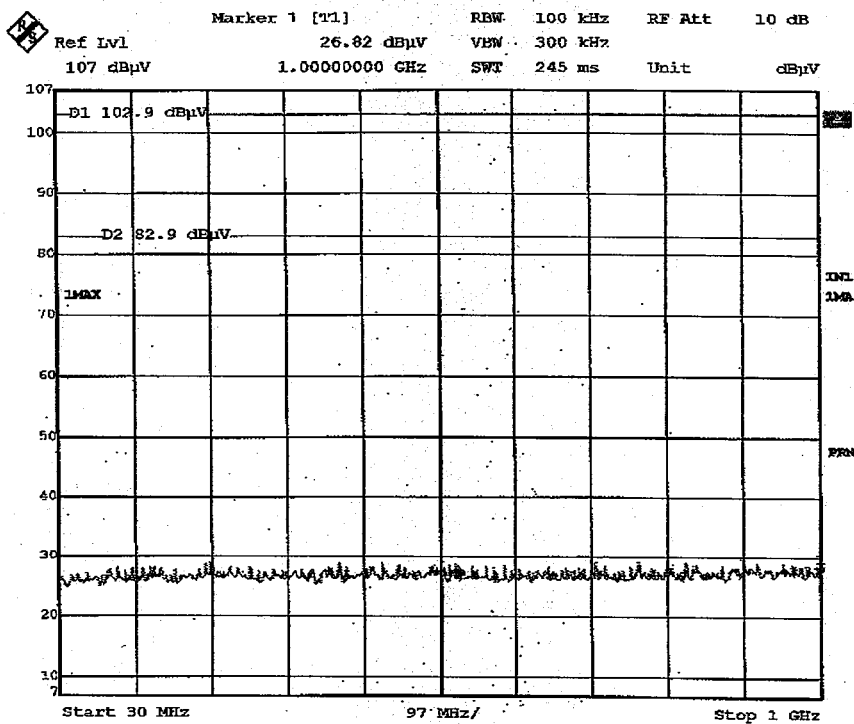
Spurious Emission(Conducted) :Tx(2441MHz):DKC-C200X



Date: 10.JAN.2003 16:51:06

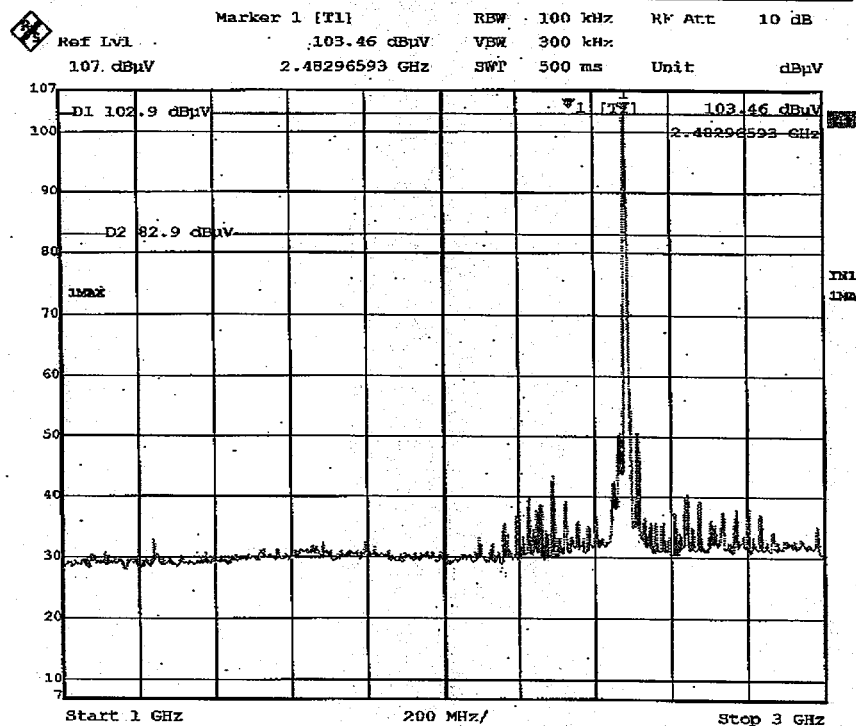
Test report No. : 23BE0019-HO-9
 FCC ID : AK8DKCC200X
 IC Number : 409B-DKCC200X

Spurious Emission(Conducted) :Tx(2480MHz):DKC-C200X



Date: 10.JAN.2003 16:44:04

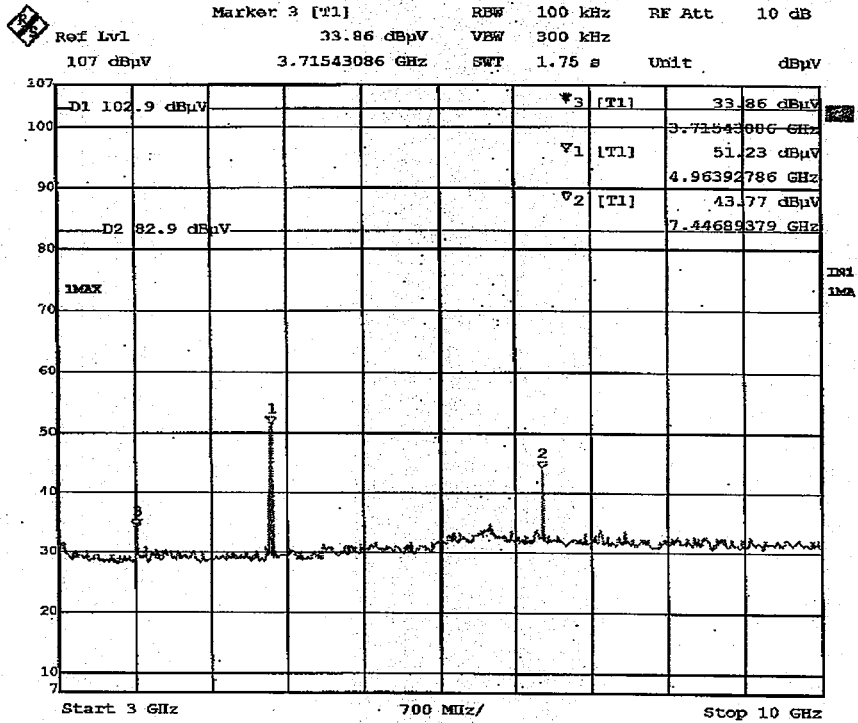
Spurious Emission(Conducted) :Tx(2480MHz):DKC-C200X



Date: 10.JAN.2003 16:42:56

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

Spurious Emission(Conducted) :Tx(2480MHz):DKC-C200X



Spurious Emission(Conducted) :Tx(2480MHz):DKC-C200X

