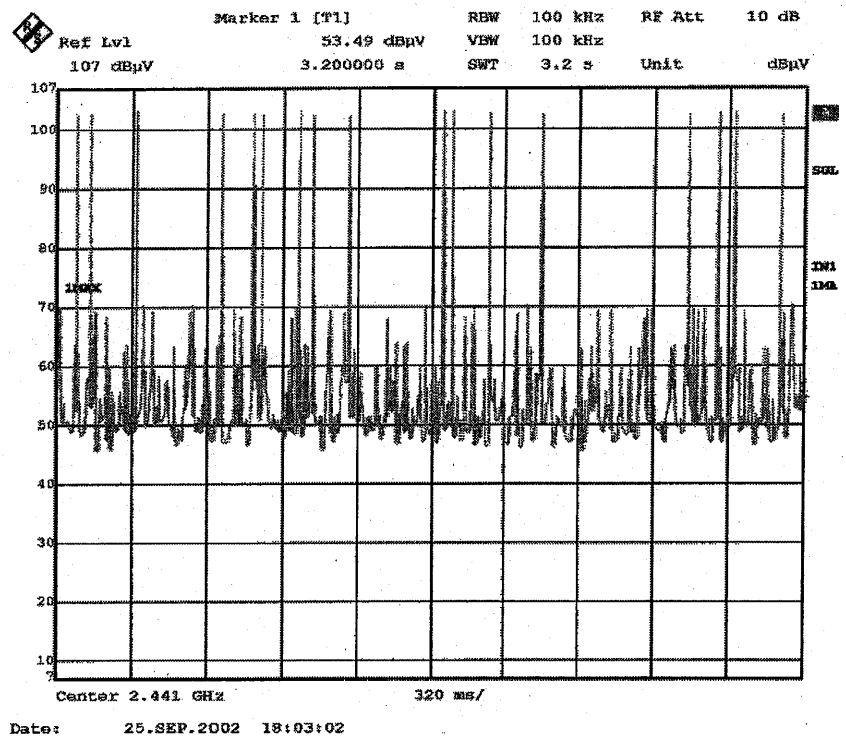
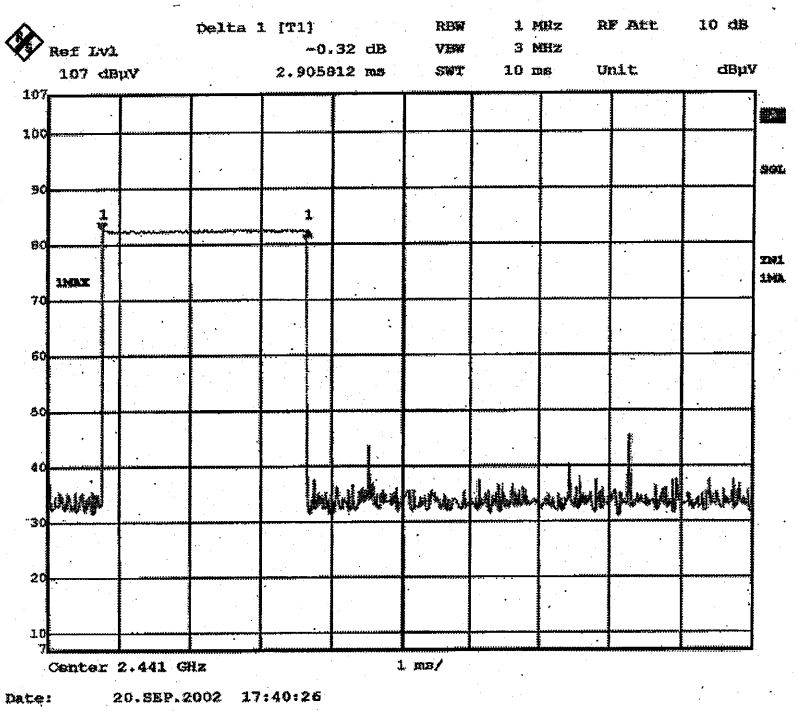
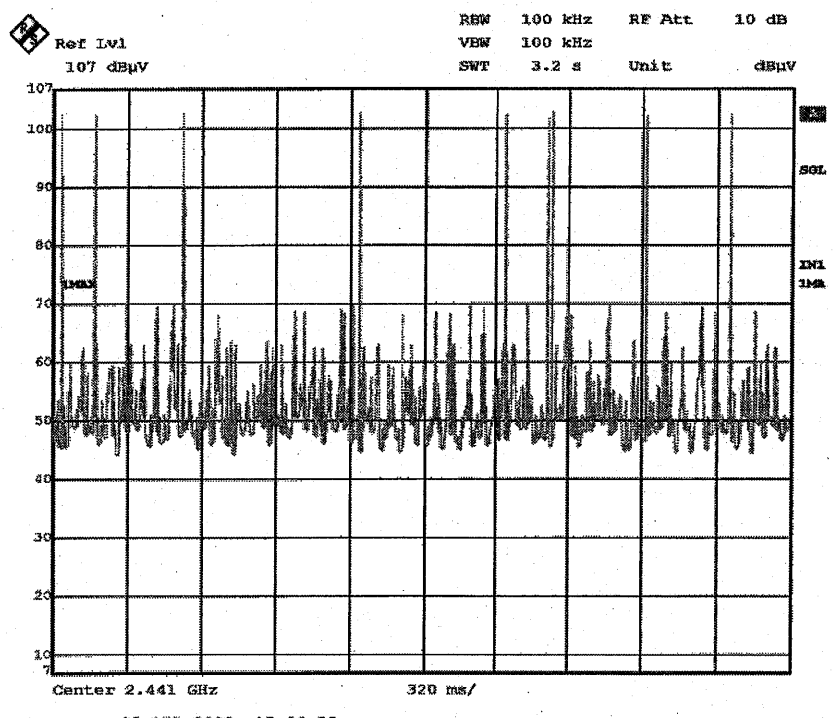
Dwell time : Tx(Hopping on) DH3(11)



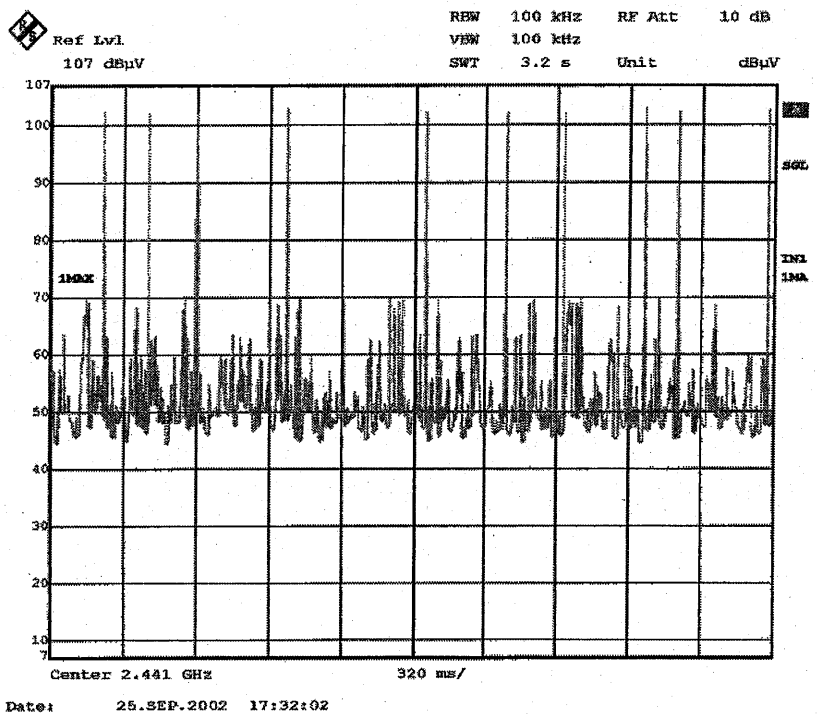
Dwell time : Tx(Hopping on) DH5(1)



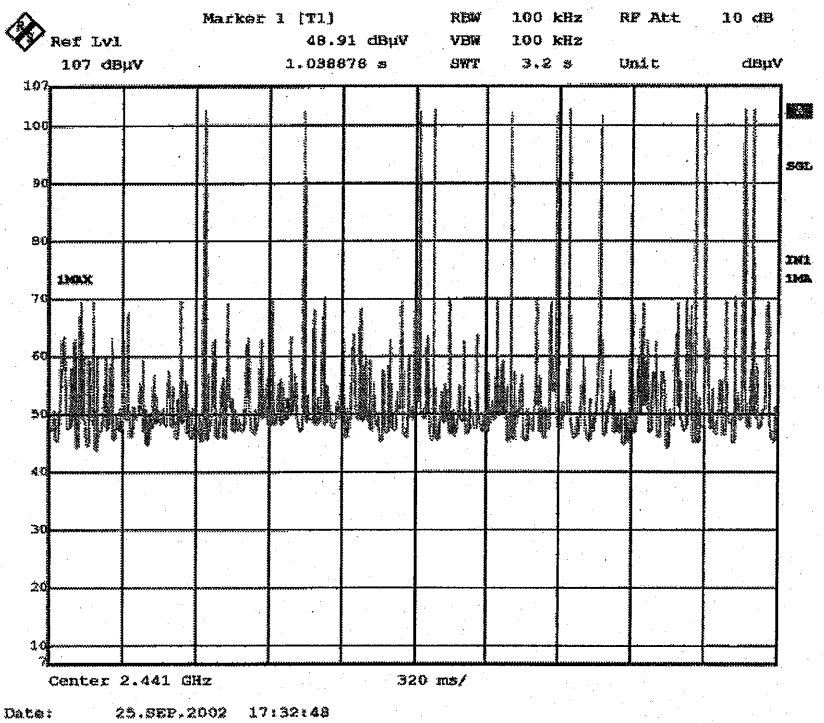
Dwell time : Tx(Hopping on) DH5(2)



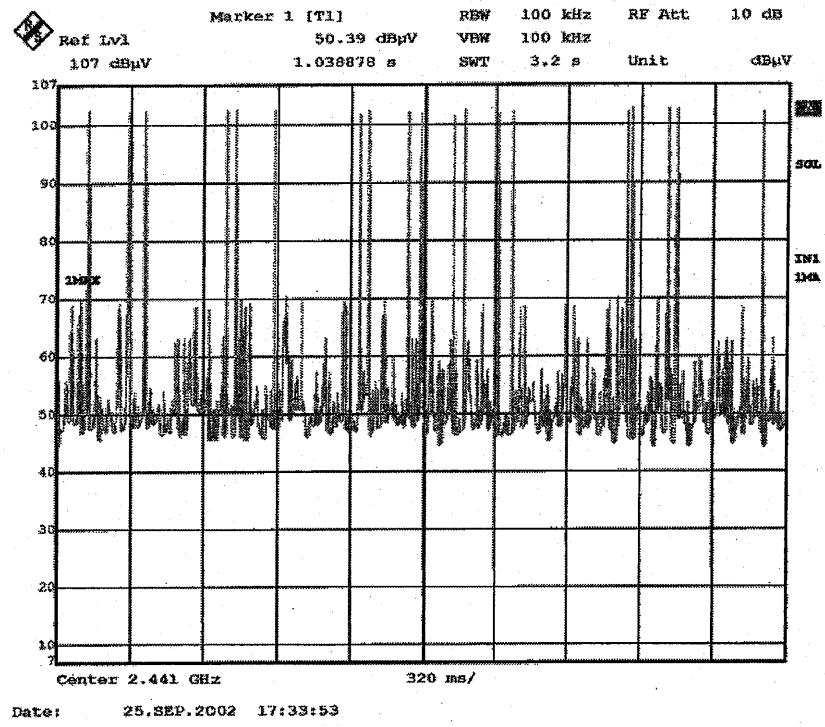
Dwell time : Tx(Hopping on) DH5(3)



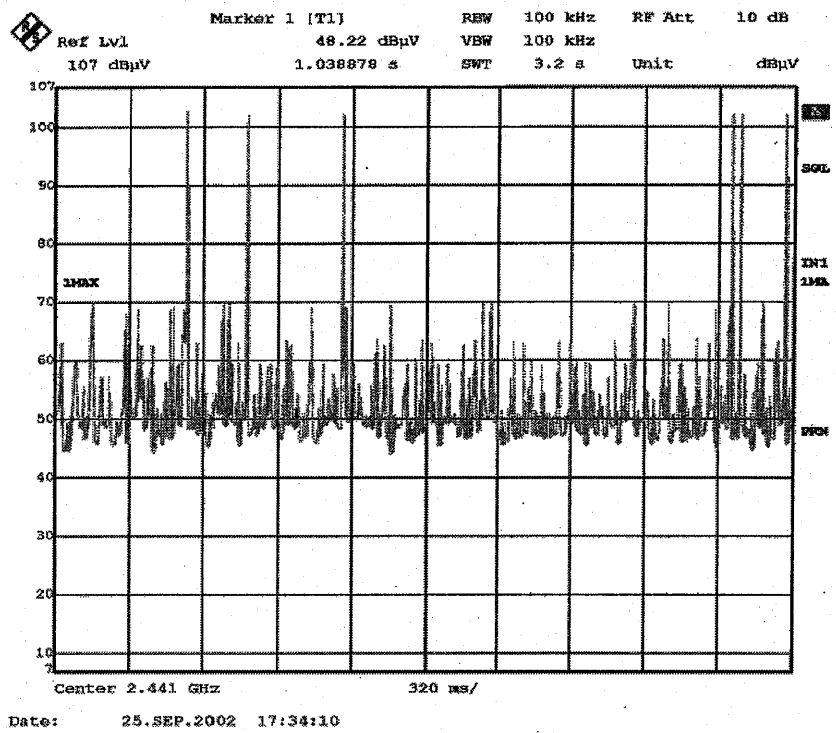
Dwell time : Tx(Hopping on) DH5(4)



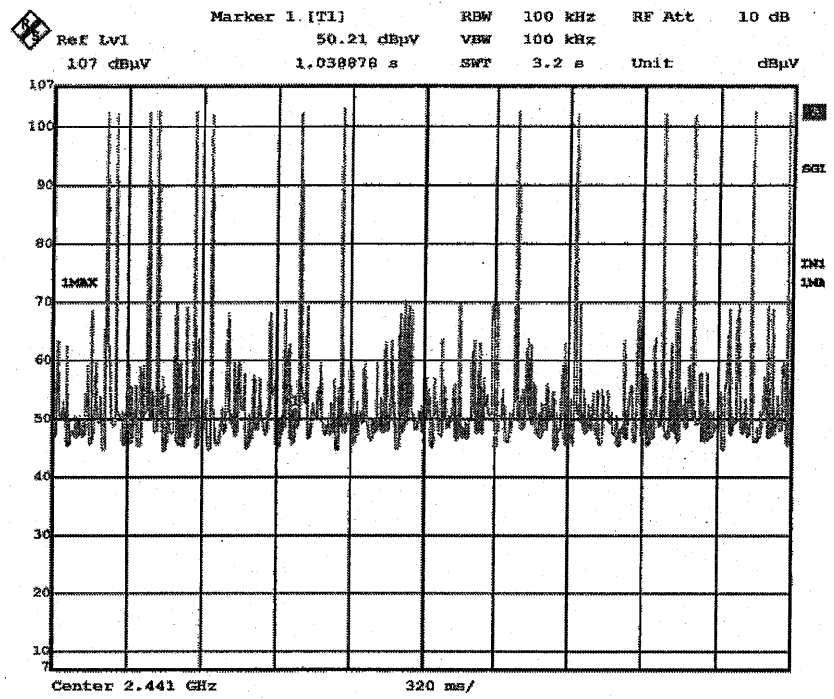
Dwell time : Tx(Hopping on) DH5(5)



Dwell time : Tx(Hopping on) DH5(6)

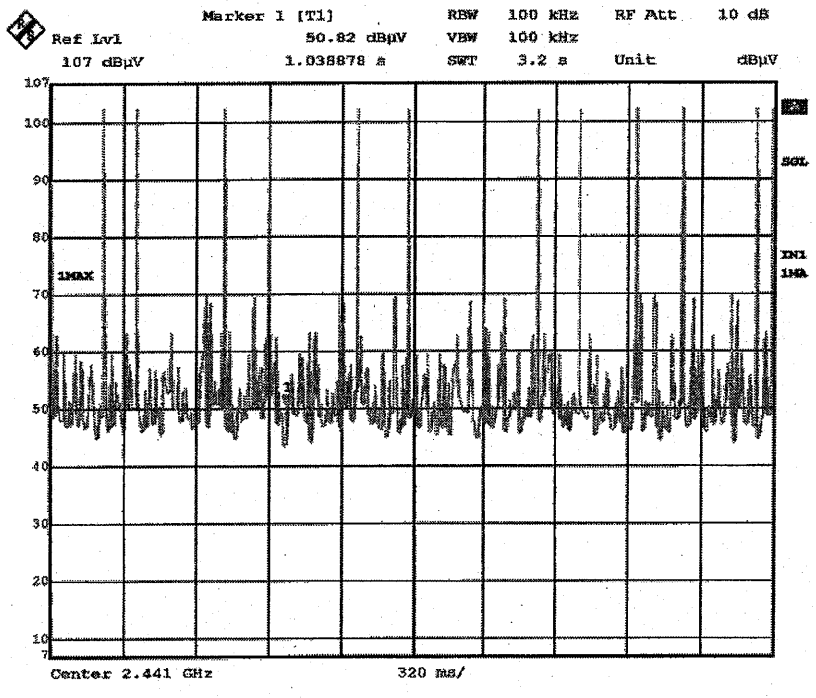


Dwell time : Tx(Hopping on) DH5(7)



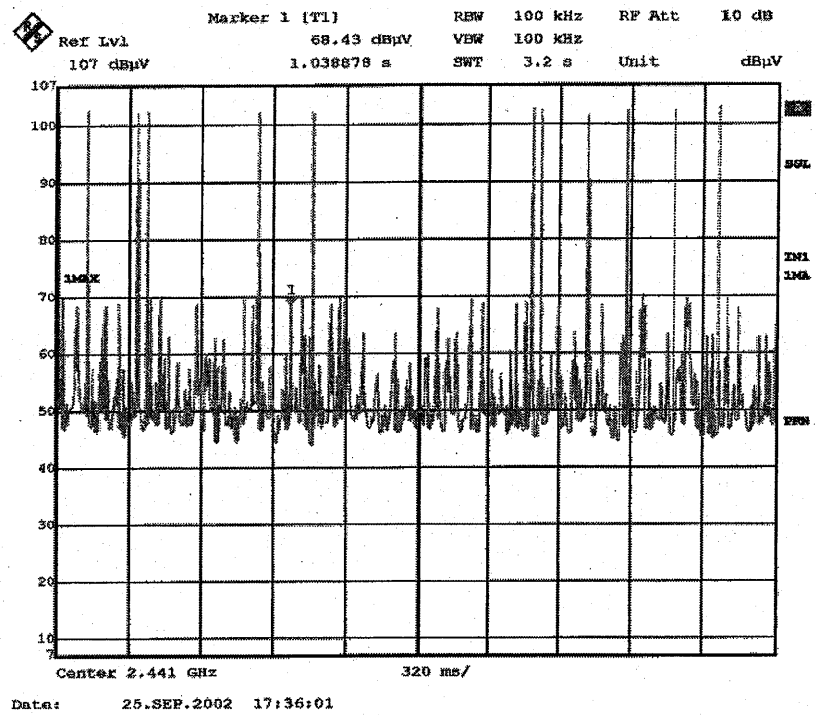
Date: 25.SEP.2002 17:34:58

Dwell time : Tx(Hopping on) DH5(8)

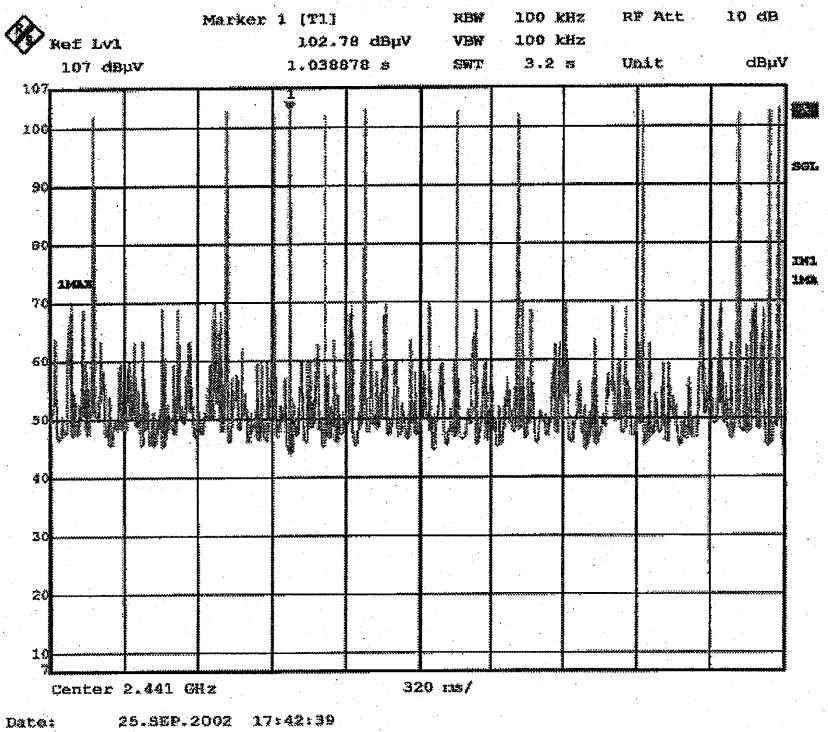


Date: 25.SEP.2002 17:35:45

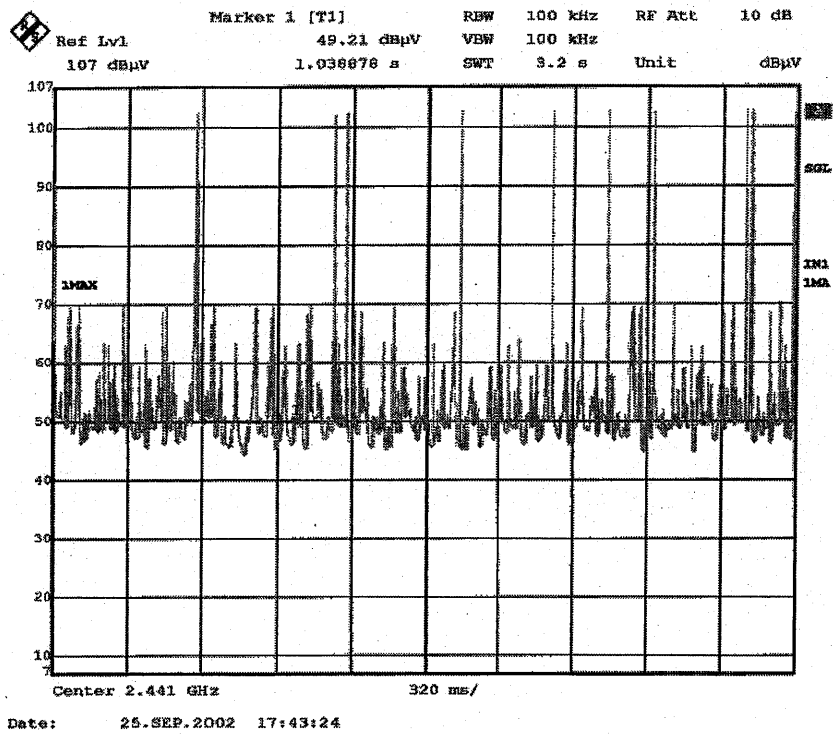
Dwell time : Tx(Hopping on) DH5(9)



Dwell time : Tx(Hopping on) DH5(10)



Dwell time : Tx(Hopping on) DH5(11)



DATA OF MAXIMUM PEAK OUTPUT POWER

A-Pex International Co., Ltd.
EMC HEAD OFFICE DIVISON No.3 MEASUREMENT ROOM

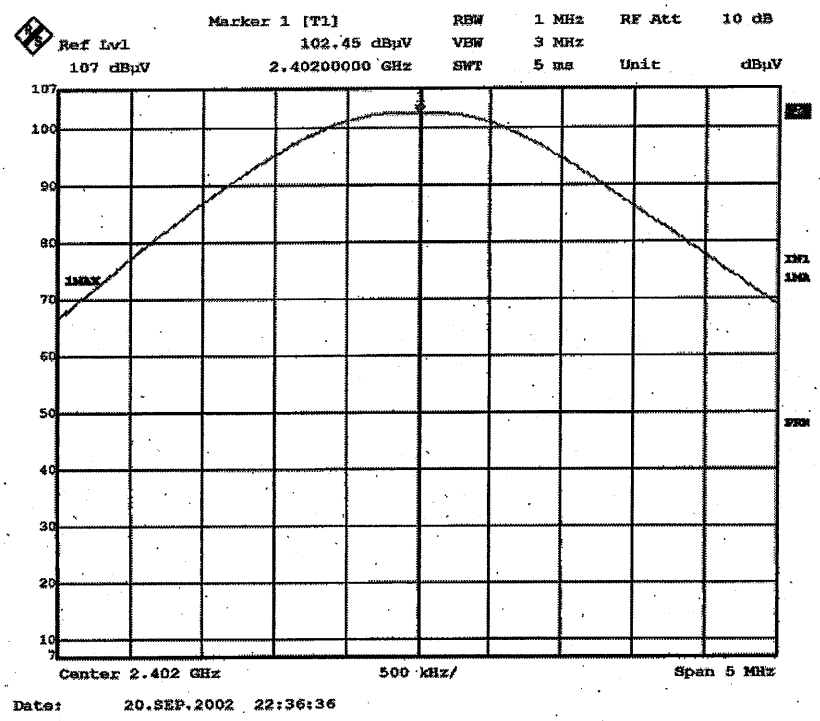
COMPANY	: SEIKO EPSON CORPORATION	REPORT NO	: 23AE0021-HO
EQUIPMENT	: Bluetooth Unit	REGULATION	: Fcc Part15 Subpart C 15.247(b)(1)
MODEL	: EU-62	TEST DISTANCE	: -
S/ N	: 00110	DATE	: 2002/9/20
FCC ID	: BKMFBEU-62	TEMPERATURE	: 26°C
POWER	: DC 5V (AC230V / 60Hz)	HUMIDITY	: 61%
MODE	: Tx (Hopping on)		

ENGINEER : Yoshiaki Iwasa

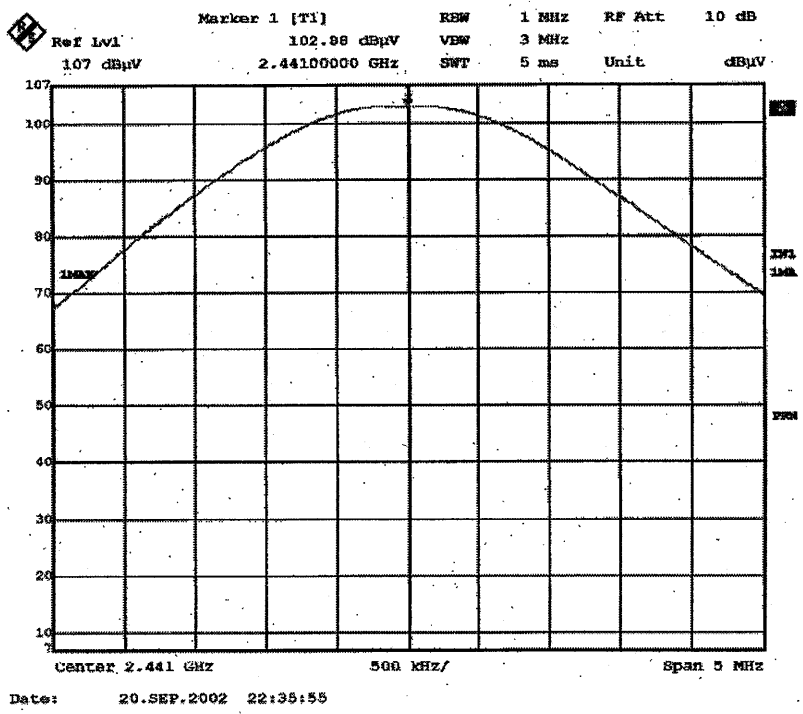
CH	FREQ [MHz]	T/R Reading [dBuV]	Cable Loss [dB]	Result [dBuV]	Result [dBm]	Limit (1W) [dBm]
Low	2402.0	101.9	1.8	103.7	-3.35	30.0
Mid	2441.0	102.5	1.8	104.3	-2.72	30.0
High	2480.0	102.9	1.8	104.7	-2.28	30.0

Sample Calculation :
Result = T/R Reading + Cable Loss

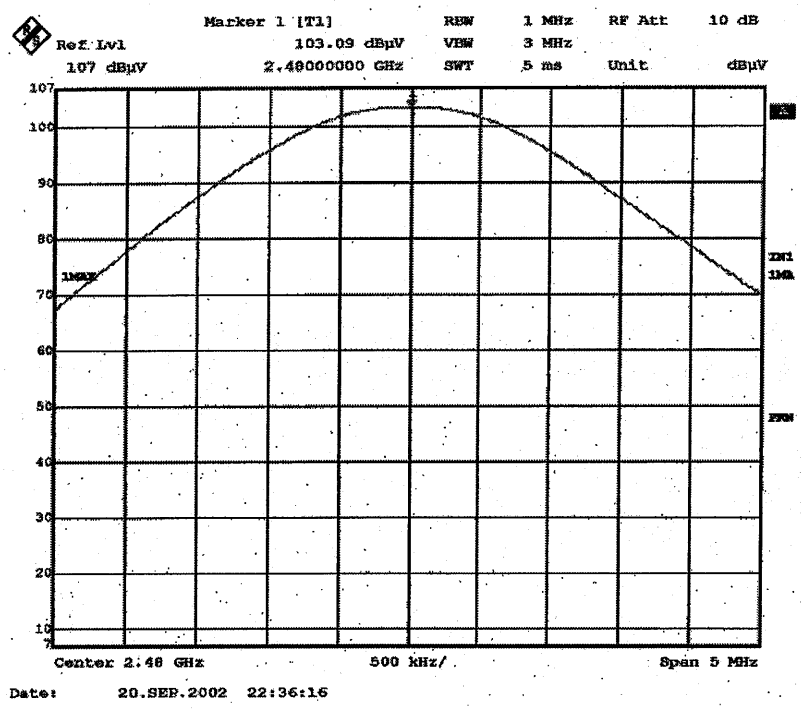
Maximum Peak Output Power(Conducted) : Tx(2402MHz)



Maximum Peak Output Power(Conducted) : Tx(2441MHz)



Maximum Peak Output Power(Conducted) : Tx(2480MHz)



DATA OF BAND EDGE COMPLIANCE

A-Pex International Co., Ltd.
EMC HEAD OFFICE DIVISON No.3 MEASUREMENT ROOM

COMPANY	: SEIKO EPSON CORPORATION	REPORT NO	: 23AE0021-HO
EQUIPMENT	: Bluetooth Unit	REGULATION	: Fcc Part15 Subpart C 15.247(c)
MODEL	: EU-62	TEST DISTANCE	: -
S/ N	: 00110	DATE	: 2002/9/20
FCC ID	: BKMFBEU-62	TEMPERATURE	: 26°C
POWER	: DC 5V (AC230V / 60Hz)	HUMIDITY	: 61%
MODE	: Tx (Hopping on) ,Tx (Hopping off 2402/2480MHz)		

ENGINEER : Yoshiaki Iwasa

PK DETECT(S/A :Span 20/10MHz, RBW 200kHz ,VBW 200kHz, sweep time AUTO)

[Hopping on] Conducted

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [mW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2389.0	54.0	1.7	55.7	0.000007464	-	26.0	<54[dBuV/m]
2400.0	60.6	1.7	62.4	-	42.1 *	-	>20[dB]
2483.7	62.6	1.8	64.4	0.000054576	-	34.6	<54[dBuV/m]

* Reference : Reading (102.7[dBuV]) + Cable Loss (1.8[dB]) = E (104.5[dBuV]) at 2480MHz.

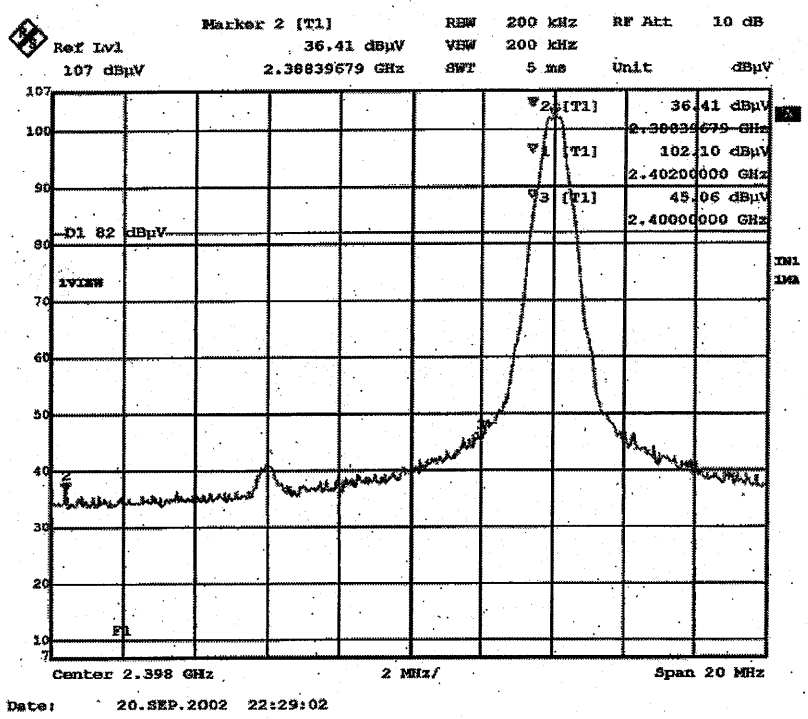
[Hopping off Tx (2402/2480MHz)] Conducted

Frequency [MHz]	Reading [dBuV]	Cable Loss [dB]	E [dBuV]	P [mW]	Difference of level [dB]	Field Strength [dBuV/m]	Limit
2388.3	36.4	1.7	38.1	0.000000129	-	8.4	<54[dBuV/m]
2400.0	45.1	1.7	46.8	-	72.3 *	-	>20[dB]
2483.9	42.9	1.8	44.7	0.000000586	-	15.0	<54[dBuV/m]

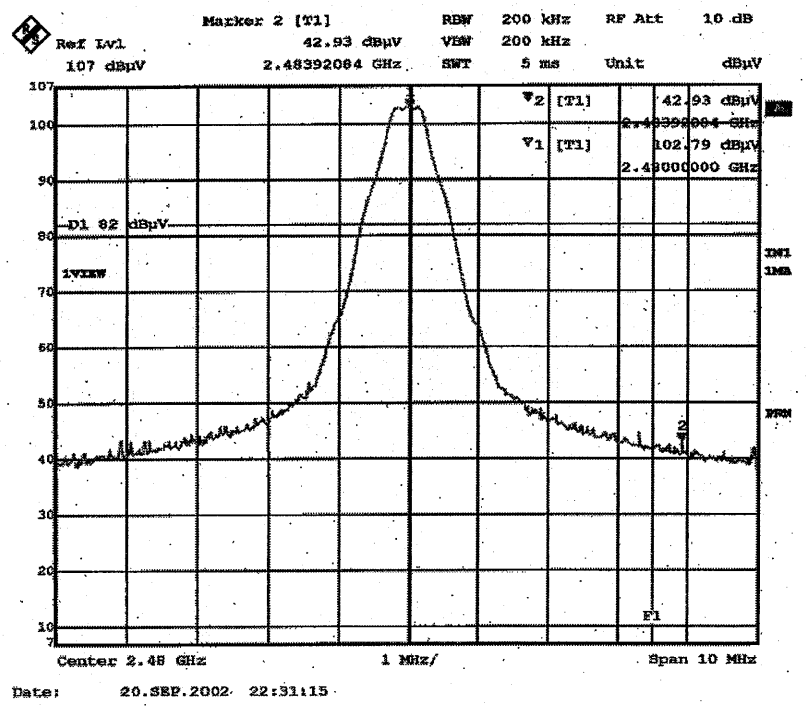
* Reference : Reading (102.8[dBuV]) + Cable Loss (1.8[dB]) = E (104.6[dBuV]) at 2480MHz.

Sample Calculation:
Field Strength = ($\sqrt{}$30*P*0.001*G) / d
E : Reading + Cable Loss
P : Converted to mW
d : Test distance(3.0m)
G : Numeric Antenna Gain (1.60)

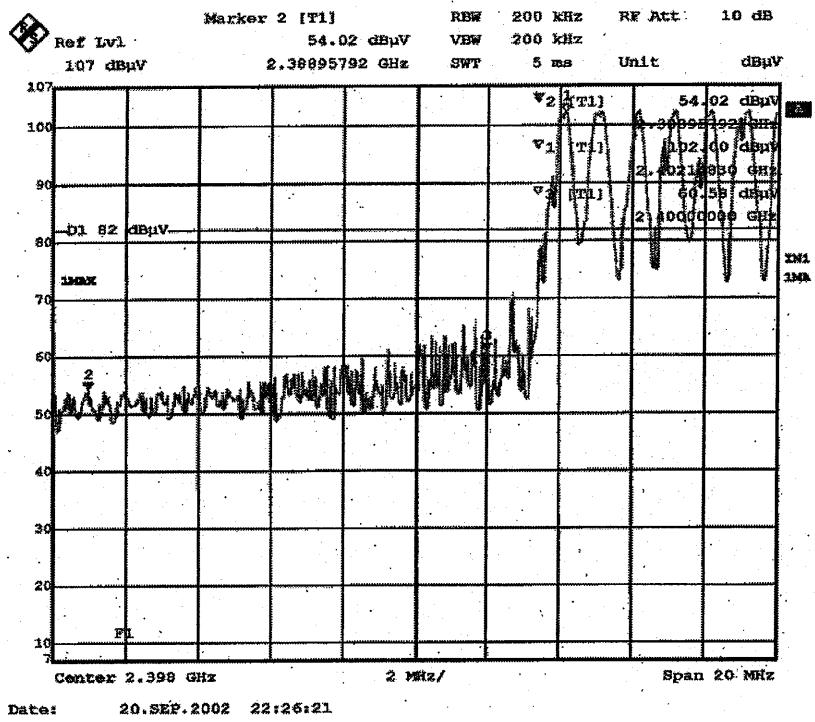
Band Edge Comliance : Tx(Hopping off) 2402MHz



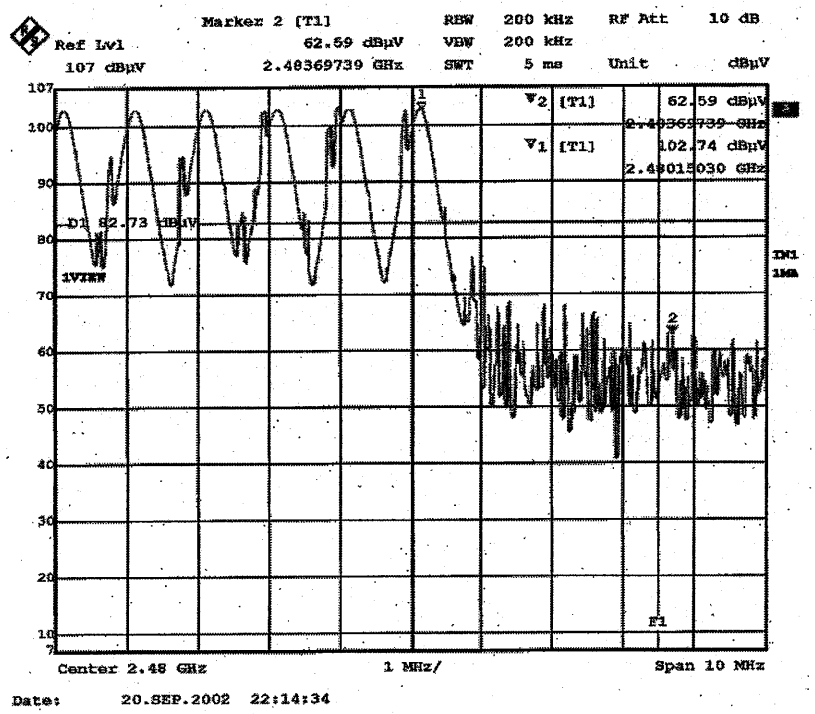
Band Edge Comliance : Tx(Hopping off) 2480MHz



Band Edge Comliance : Tx(Hopping on) 2402MHz



Band Edge Comliance : Tx(Hopping on) 2480MHz



DATA OF RADIATION TEST

A-Pex International Co., Ltd.
No.2 SEMI ANECHOIC CHAMBER
Report No. : 23AE0021-H0

Applicant : SEIKO EPSON CORPORATION
Kind of Equipment : Bluetooth Unit
Model No. : EU-62
Serial No. : 00110
Power : DC 5V (AC230V/60Hz)
Mode : Tx(2402MHz)
Remarks :
Date : 9/19/2002
Test Distance : 3 m
Temperature : 28 ℃
Humidity : 50 %
Regulation : FCC §15.247(C)

Engineer : Yoshiaki Iwasa

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	88.47	BB	26.9	31.8	8.2	27.0	1.1	5.8	15.0	19.9	43.5	28.5	23.6
2.	192.00	BB	34.6	27.5	17.1	26.1	1.6	5.8	33.0	25.9	43.5	10.5	17.6
3.	288.00	BB	33.8	30.6	19.3	26.2	1.9	5.7	34.5	31.3	46.0	11.5	14.7
4.	432.00	BB	34.3	32.3	17.7	27.2	2.5	5.8	33.1	31.1	46.0	12.9	14.9
5.	528.00	BB	31.8	31.7	18.7	27.6	2.8	5.8	31.5	31.4	46.0	14.5	14.6
6.	960.00	BB	33.3	29.6	22.8	27.0	4.0	5.7	38.8	35.1	46.0	7.2	10.9

CALCULATION: READING[dBμV] + ANT.FACTOR[dB/m] + CABLE LOSS[dB] - AMP.GAIN[dB] + ATTEN[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. : 23AE0021-H0

Applicant : SEIKO EPSON CORPORATION
Kind of Equipment : Bluetooth Unit
Model No. : EU-62
Serial No. : 00110
Power : DC 5V (AC230V/60Hz)
Mode : Tx(2441MHz)
Remarks :
Date : 9/19/2002
Test Distance : 3 m
Temperature : 28 ℃
Humidity : 50 %
Regulation : FCC §15.247(C)

Engineer : Yoshiaki Iwasa

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	92.00	BB	23.4	29.5	8.8	27.0	1.1	5.8	12.1	18.2	43.5	31.4	25.3
2.	192.00	BB	33.9	25.6	17.1	26.1	1.6	5.8	32.3	24.0	43.5	11.2	19.5
3.	288.00	BB	33.3	30.5	19.3	26.2	1.9	5.7	34.0	31.2	46.0	12.0	14.8
4.	432.00	BB	33.5	33.9	17.7	27.2	2.5	5.8	32.3	32.7	46.0	13.7	13.3
5.	528.00	BB	32.7	32.2	18.7	27.6	2.8	5.8	32.4	31.9	46.0	13.6	14.1
6.	960.00	BB	31.3	30.0	22.8	27.0	4.0	5.7	36.8	35.5	46.0	9.2	10.5

CALCULATION: READING[dBμV] + ANT.FACTOR[dB/m] + CABLE LOSS[dB] - AMP.GAIN[dB] + ATTEN[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. : 23AE0021-H0

Applicant	: SEIKO EPSON CORPORATION
Kind of Equipment	: Bluetooth Unit
Model No.	: EU-62
Serial No.	: 00110
Power	: DC 5V (AC230V/60Hz)
Mode	: Tx(2480MHz)
Remarks	:
Date	: 9/19/2002
Test Distance	: 3 m
Temperature	: 28 ℃
Humidity	: 50 %
Regulation	: FCC §15.247(C)

Engineer : Yoshiaki Iwasa

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	88.47	BB	25.5	35.2	8.2	27.0	1.1	5.8	13.6	23.3	43.5	29.9	20.2
2.	192.00	BB	35.0	26.7	17.1	26.1	1.6	5.8	33.4	25.1	43.5	10.1	18.4
3.	288.00	BB	33.5	30.5	19.3	26.2	1.9	5.7	34.2	31.2	46.0	11.8	14.8
4.	432.00	BB	35.0	31.0	17.7	27.2	2.5	5.8	33.8	29.8	46.0	12.2	16.2
5.	528.00	BB	31.1	32.7	18.7	27.6	2.8	5.8	30.8	32.4	46.0	15.2	13.6
6.	960.00	BB	31.1	27.6	22.8	27.0	4.0	5.7	36.6	33.1	46.0	9.4	12.9

CALCULATION: READING[dBμV] + ANT.FACTOR[dB/m] + CABLE LOSS[dB] - AMP.GAIN[dB] + ATTEN[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 DIVISON No.1 SEMI ANECHOIC CHAMBER

COMPANY	: SEIKO EPSON CORPORATION	REPORT NO	: 23AE0021-HO
EQUIPMENT	: Bluetooth Unit	REGULATION	: FCC Part 15 Subpart C 15.247(c)
MODEL	: EU-62	TEST DISTANCE	: 3 and 1 m
S/ N	: 00110	DATE	: 2002/9/18
FCC ID	: BKMFBEU-62	TEMPERATURE	: 26°C
POWER	: DC 5V (AC230V / 60Hz)	HUMIDITY	: 61%
MODE	: Tx (2402MHz)		

ENGINEER : Yoshiaki Iwasa

PK DETECT

No.	FREQ [MHz]	T/R READING HOR [dBuV/m]	T/R READING VER [dBuV/m]	ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m]	RESULT VER [dBuV/m]	Limit PK [dBuV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	1200.0	51.0	55.0	25.1	37.3	3.3	0.0	42.1	46.1	74.0	31.9	27.9
1	4804.0	43.0	43.0	31.1	36.4	9.8	0.3	47.8	47.8	74.0	26.2	26.2
2	7206.0	43.0	43.0	35.3	36.5	9.1	0.0	50.9	50.9	74.0	23.1	23.1
3	9608.0	43.0	44.0	38.0	37.0	10.7	0.0	54.7	55.7	74.0	19.3	18.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12010.0	44.0	44.0	38.9	35.9	12.2	0.0	49.7	49.7	74.0	24.3	24.3
5	14412.0	43.0	43.0	40.6	35.8	13.3	0.0	51.6	51.6	74.0	22.4	22.4
6	16814.0	43.0	43.0	39.3	37.2	13.5	0.0	49.1	49.1	74.0	24.9	24.9
7	19216.0	43.0	43.0	40.9	35.8	15.0	0.0	53.6	53.6	74.0	20.4	20.4
8	21618.0	44.0	44.0	40.3	37.0	17.5	0.0	55.3	55.3	74.0	18.7	18.7
9	24020.0	43.0	44.0	39.8	35.5	16.9	0.0	54.7	55.7	74.0	19.3	18.3

AV DETECT

No.	FREQ [MHz]	T/R READING HOR [dBuV/m]	T/R READING VER [dBuV/m]	ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m]	RESULT VER [dBuV/m]	Limit AV [dBuV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	1200.0	37.2	40.5	25.1	37.3	3.3	0.0	28.3	31.6	54.0	25.7	22.4
1	4804.0	30.2	30.9	31.1	36.4	9.8	0.3	35.0	35.7	54.0	19.0	18.3
2	7206.0	30.3	30.3	35.3	36.5	9.1	0.0	38.2	38.2	54.0	15.8	15.8
3	9608.0	30.7	31.7	38.0	37.0	10.7	0.0	42.4	43.4	54.0	11.6	10.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12010.0	30.9	30.9	38.9	35.9	12.2	0.0	36.6	36.6	54.0	17.4	17.4
5	14412.0	30.0	30.1	40.6	35.8	13.3	0.0	38.6	38.7	54.0	15.4	15.3
6	16814.0	30.1	30.1	39.3	37.2	13.5	0.0	36.2	36.2	54.0	17.8	17.8
7	19216.0	30.1	29.9	40.9	35.8	15.0	0.0	40.7	40.5	54.0	13.3	13.5
8	21618.0	31.0	31.0	40.3	37.0	17.5	0.0	42.3	42.3	54.0	11.7	11.7
9	24020.0	30.8	31.0	39.8	35.5	16.9	0.0	42.5	42.7	54.0	11.5	11.3

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.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.
EMC HEAD OFFICE DIVISON No.1 SEMI ANECHOIC CHAMBER

COMPANY : SEIKO EPSON CORPORATION
EQUIPMENT : Bluetooth Unit
MODEL : EU-62
S/ N : 00110
FCC ID : BKMFBEU-62
POWER : DC 5V (AC230V / 60Hz)
MODE : Tx (2441MHz)

REPORT NO : 23AE0021-HO
REGULATION : FCC Part 15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 2002/9/18
TEMPERATURE : 26°C
HUMIDITY : 61%

ENGINEER : Yoshiaki Iwasa

PK DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit PK	MARGIN HOR	MARGIN VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	1220.0	51.0	52.0	25.1	37.3	3.4	0.0	42.2	43.2	74.0	31.8	30.8
1	4882.0	42.0	43.0	31.3	36.4	9.9	0.4	47.2	48.2	74.0	26.9	25.9
2	7323.0	43.0	43.0	35.5	36.6	9.1	0.0	51.0	51.0	74.0	23.0	23.0
3	9764.0	43.0	43.0	38.2	37.0	10.9	0.0	55.1	55.1	74.0	18.9	18.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12205.0	43.0	43.0	38.8	36.0	12.2	0.0	48.5	48.5	74.0	25.5	25.5
5	14646.0	43.0	43.0	40.6	36.1	13.5	0.0	51.5	51.5	74.0	22.5	22.5
6	17087.0	42.0	42.0	39.6	37.0	13.5	0.0	48.6	48.6	74.0	25.4	25.4
7	19528.0	43.0	42.0	40.4	36.1	15.5	0.0	53.3	52.3	74.0	20.7	21.7
8	21969.0	45.0	45.0	40.5	36.7	18.4	0.0	57.7	57.7	74.0	16.3	16.3
9	24410.0	43.0	43.0	40.2	36.4	17.5	0.0	54.8	54.8	74.0	19.2	19.2

AV DETECT

No.	FREQ	T/R READING HOR	T/R READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT HOR	RESULT VER	Limit AV	MARGIN HOR	MARGIN VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	1220.0	33.3	33.8	25.1	37.3	3.4	0.0	24.5	25.0	54.0	29.5	29.0
1	4882.0	29.8	30.5	31.3	36.4	9.9	0.4	35.0	35.7	54.0	19.1	18.4
2	7323.0	30.6	30.6	35.5	36.6	9.1	0.0	38.6	38.6	54.0	15.4	15.4
3	9764.0	30.5	30.8	38.2	37.0	11.2	0.0	42.9	43.2	54.0	11.1	10.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12205.0	30.6	30.6	38.8	36.0	12.2	0.0	36.1	36.1	54.0	17.9	17.9
5	14646.0	30.5	30.5	40.6	36.1	13.5	0.0	39.0	39.0	54.0	15.0	15.0
6	17087.0	29.6	29.6	39.6	37.0	13.5	0.0	36.2	36.2	54.0	17.8	17.8
7	19528.0	29.8	29.8	40.4	36.1	15.5	0.0	40.1	40.1	54.0	13.9	13.9
8	21969.0	32.1	32.2	40.5	36.7	18.4	0.0	44.8	44.9	54.0	9.2	9.1
9	24410.0	31.0	31.0	40.2	36.4	17.5	0.0	42.8	42.8	54.0	11.2	11.2

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.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.
EMC HEAD OFFICE DIVISON No.1 SEMI ANECHOIC CHAMBER

COMPANY : SEIKO EPSON CORPORATION
EQUIPMENT : Bluetooth Unit
MODEL : EU-62
S/ N : 00110
FCC ID : BKMFBEU-62
POWER : DC 5V (AC230V / 60Hz)
MODE : Tx (2480MHz)

REPORT NO : 23AE0021-HO
REGULATION : FCC Part 15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1 m
DATE : 2002/9/18
TEMPERATURE : 26°C
HUMIDITY : 61%

ENGINEER : Yoshiaki Iwasa

PK DETECT

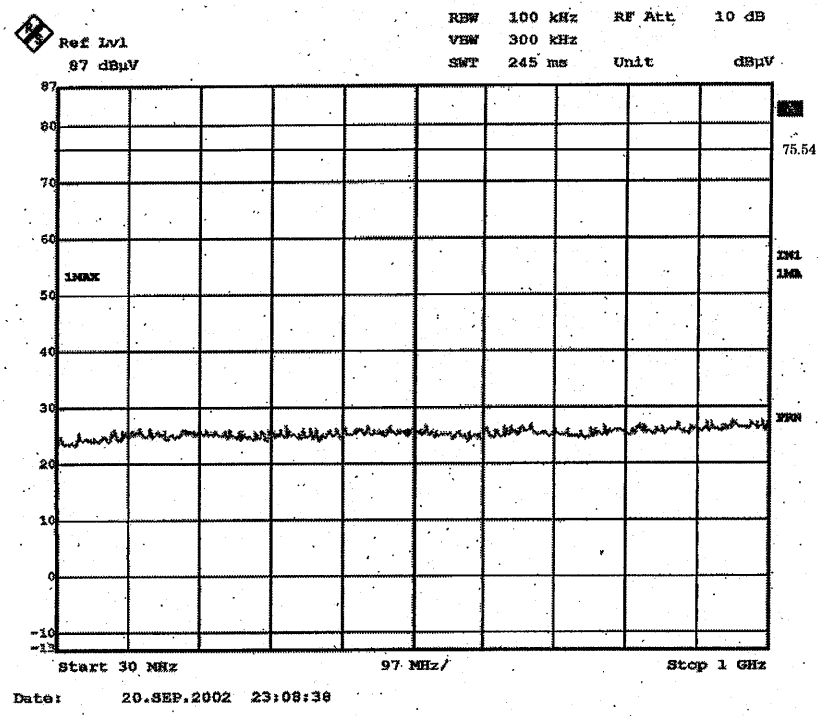
No.	FREQ [MHz]	T/R READING HOR [dBuV/m]	T/R READING VER [dBuV/m]	ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m]	RESULT VER [dBuV/m]	Limit PK [dBuV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	1240.0	54.0	52.0	25.1	37.3	3.4	0.0	45.3	43.3	74.0	28.7	30.7
1	4960.0	43.0	43.0	31.4	36.4	9.9	0.5	48.4	47.9	74.0	25.6	26.1
2	7440.0	43.0	43.0	35.6	36.7	9.1	0.0	51.0	51.0	74.0	23.0	23.0
3	9920.0	43.0	43.0	38.3	37.1	10.9	0.0	55.1	55.1	74.0	18.9	18.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12400.0	43.0	43.0	38.8	36.0	12.3	0.0	48.6	48.6	74.0	25.4	25.4
5	14880.0	43.0	43.0	40.5	36.4	13.7	0.0	51.3	51.3	74.0	22.7	22.7
6	17360.0	43.0	43.0	40.4	36.6	13.8	0.0	51.1	51.1	74.0	22.9	22.9
7	19840.0	43.0	43.0	40.7	36.3	16.0	0.0	53.9	53.9	74.0	20.1	20.1
8	22320.0	45.0	45.0	40.7	36.7	17.8	0.0	57.3	57.3	74.0	16.7	16.7
9	24800.0	44.0	44.0	40.2	36.5	18.1	0.0	56.3	56.3	74.0	17.7	17.7

AV DETECT

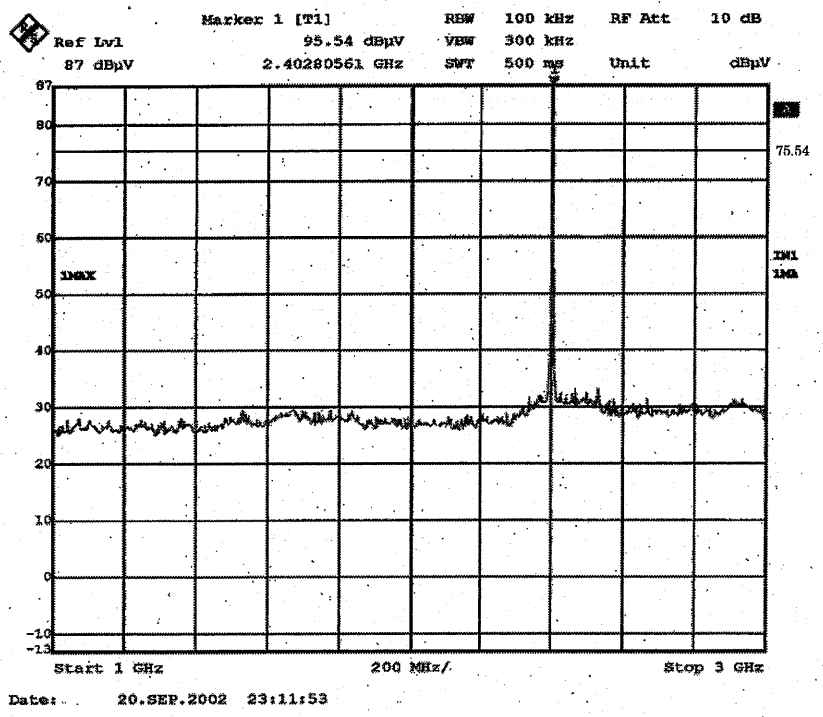
No.	FREQ [MHz]	T/R READING HOR [dBuV/m]	T/R READING VER [dBuV/m]	ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m]	RESULT VER [dBuV/m]	Limit AV [dBuV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass.												
0	1240.0	34.8	34.2	25.1	37.3	3.4	0.0	26.1	25.5	54.0	27.9	28.5
1	4960.0	30.2	30.6	31.4	36.4	9.9	0.5	35.6	36.0	54.0	18.4	18.0
2	7440.0	30.7	30.7	35.6	36.7	9.1	0.0	38.7	38.7	54.0	15.3	15.3
3	9920.0	30.6	30.6	38.3	37.1	10.9	0.0	42.7	42.7	54.0	11.3	11.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)												
4	12400.0	31.1	31.1	38.8	36.0	12.3	0.0	36.7	36.7	54.0	17.3	17.3
5	14880.0	30.5	30.5	40.5	36.4	13.7	0.0	38.8	38.8	54.0	15.2	15.2
6	17360.0	29.9	29.9	40.4	36.6	13.8	0.0	38.0	38.0	54.0	16.0	16.0
7	19840.0	29.9	29.8	40.7	36.3	16.0	0.0	40.8	40.7	54.0	13.2	13.3
8	22320.0	32.3	32.4	40.7	36.7	17.8	0.0	44.6	44.7	54.0	9.4	9.3
9	24800.0	31.3	31.3	40.2	36.5	18.1	0.0	43.6	43.6	54.0	10.4	10.4

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.

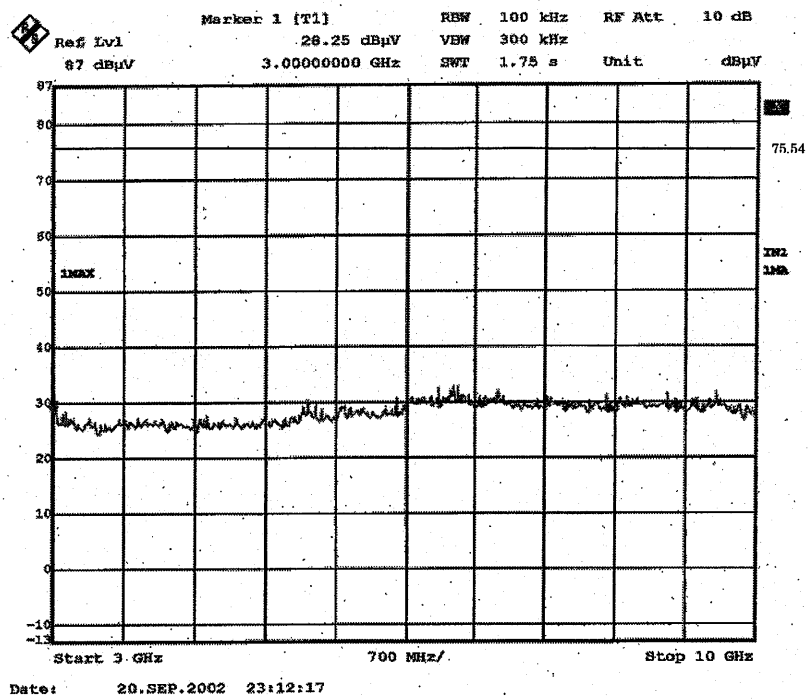
Spurious Emission(Conducted) : Tx(2402MHz)



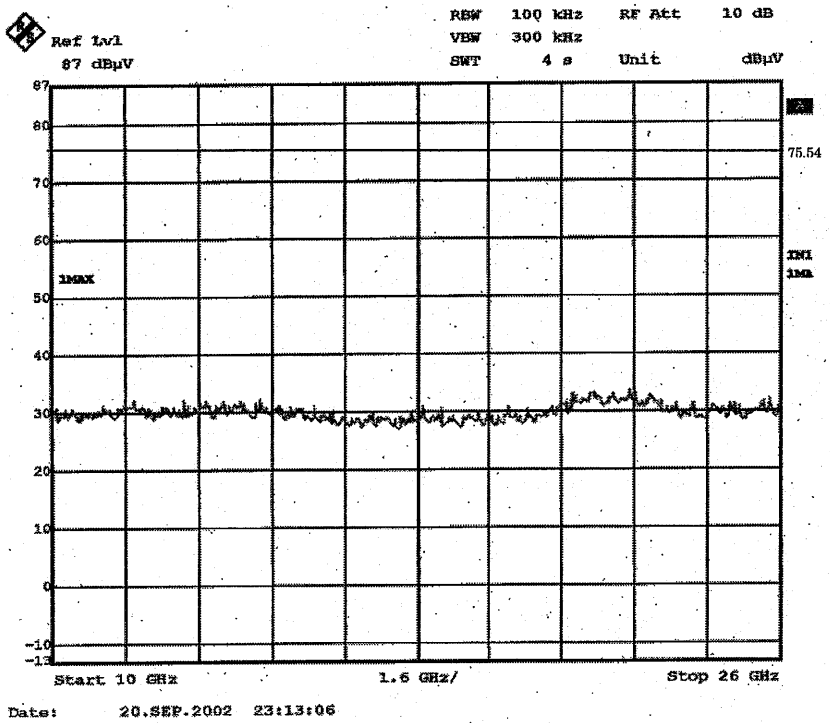
Spurious Emission(Conducted) : Tx(2402MHz)



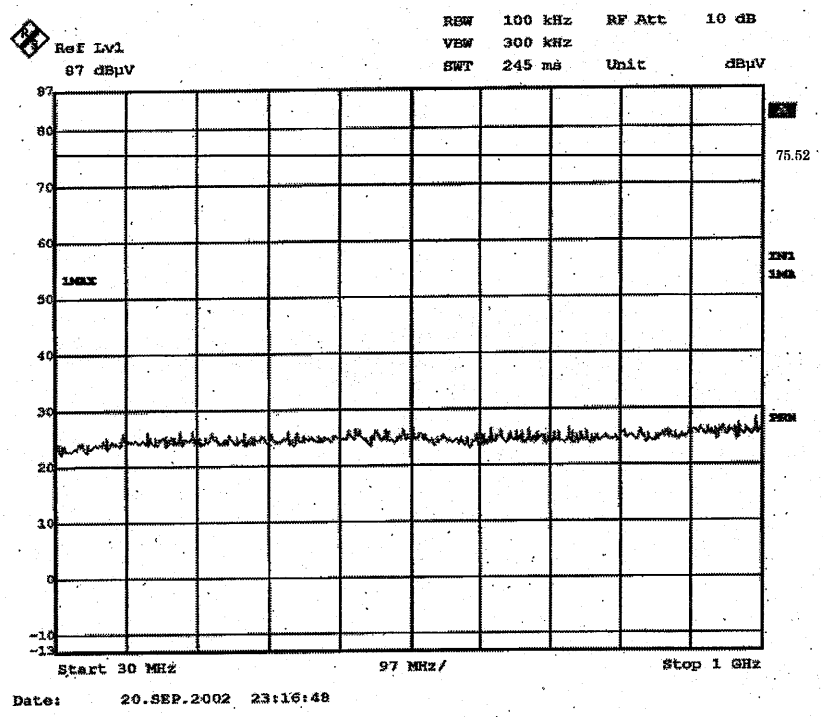
Spurious Emission(Conducted) : Tx(2402MHz)



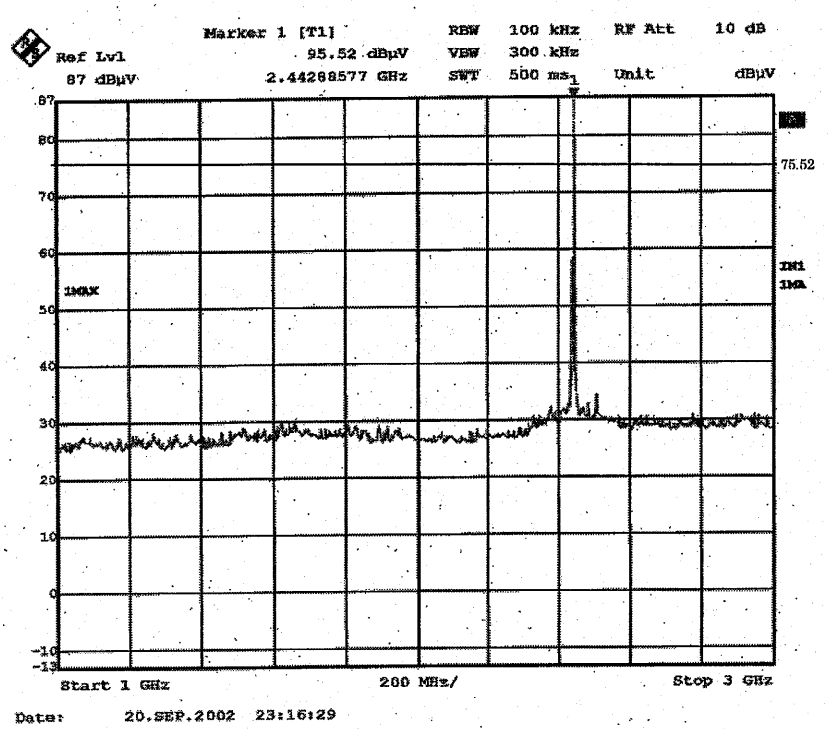
Spurious Emission(Conducted) : Tx(2402MHz)



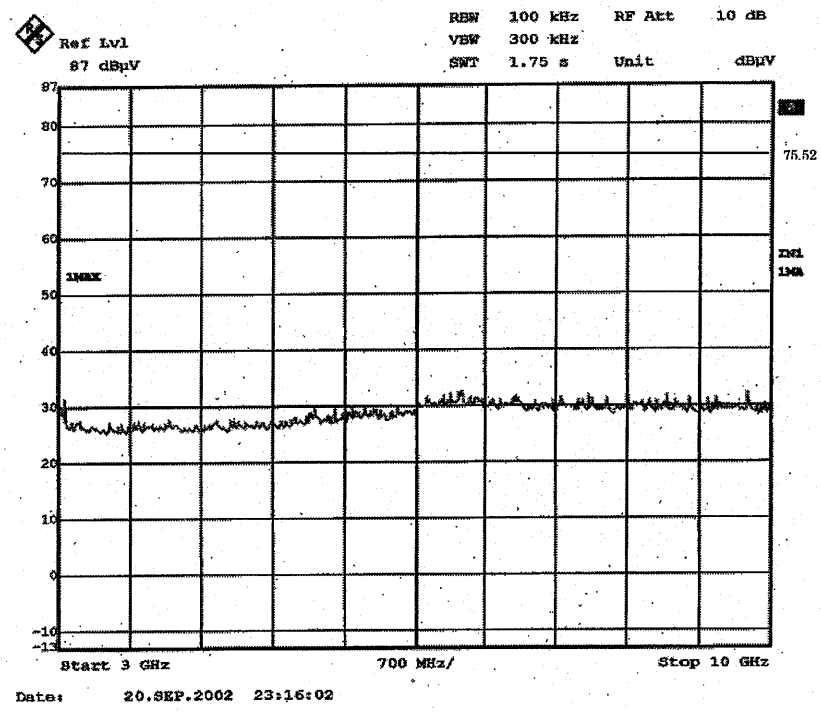
Spurious Emission(Conducted) : Tx(2441MHz)



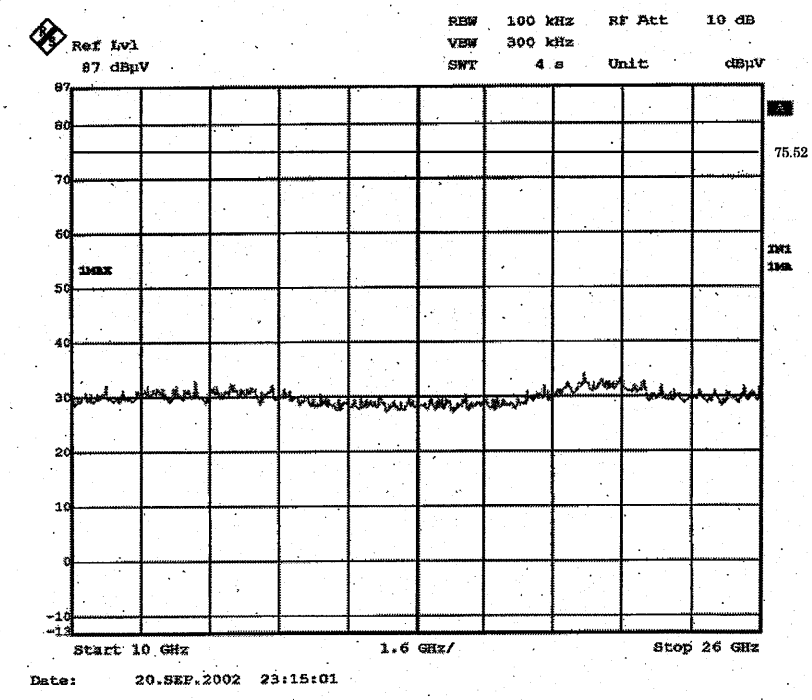
Spurious Emission(Conducted) : Tx(2441MHz)



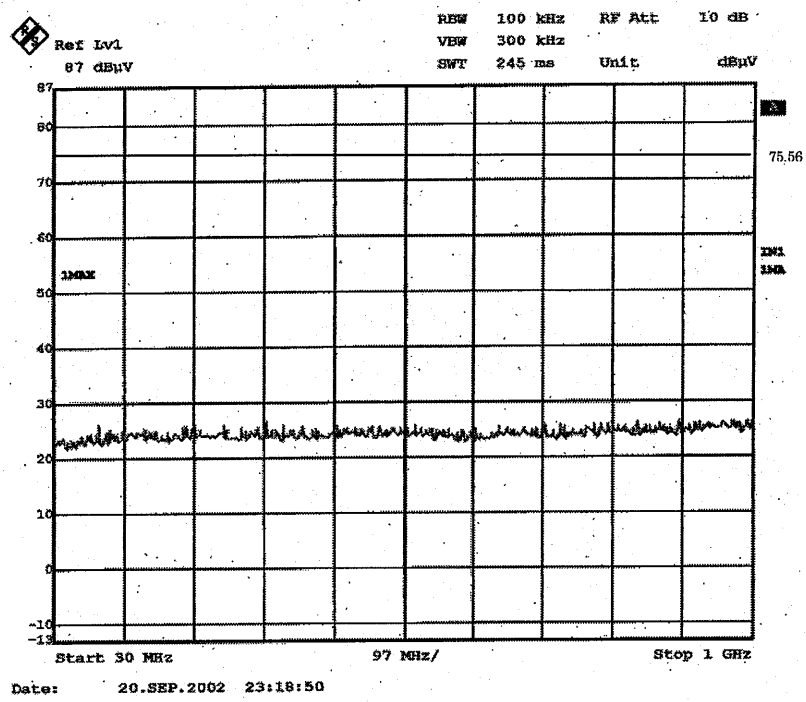
Spurious Emission(Conducted) : Tx(2441MHz)



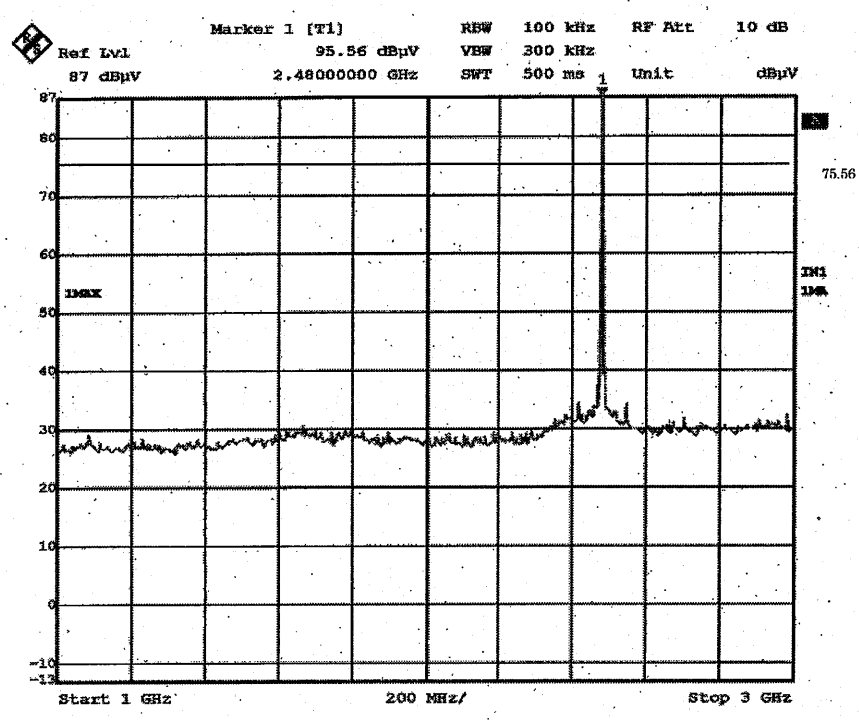
Spurious Emission(Conducted) : Tx(2441MHz)



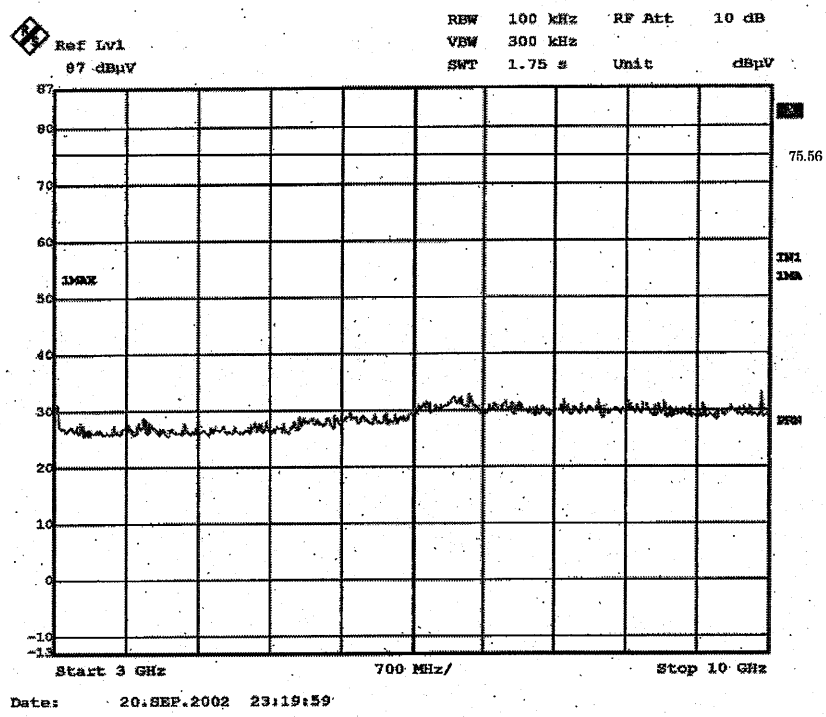
Spurious Emission(Conducted) : Tx(2480MHz)



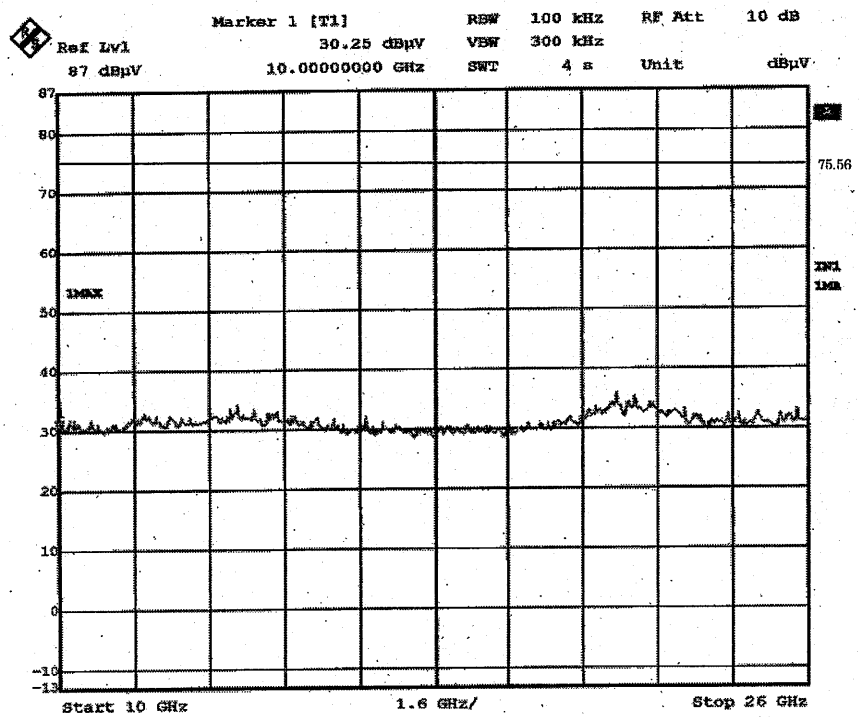
Spurious Emission(Conducted) : Tx(2480MHz)



Spurious Emission(Conducted) : Tx(2480MHz)



Spurious Emission(Conducted) : Tx(2480MHz)



APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-01	Anechoic Chamber	TDK	Semi Anechioc Chamber 10m	RE	2001/12/29 * 12
MAEC-02	Anechoic Camber	TDK	Semi Anechoic Chamber 3m	RE/CE	2002/04/12 * 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
MCC-13	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)	CE	2002/05/09 * 12
MLS-06	LISN	Schwarzbeck	NSLK8127	CE (EUT)	2002/03/19 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE/CE	2001/10/05 * 12
MSA-02	Spectrum Analyzer	Advantest	R3265A	RE/CE	2001/10/11 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2001/12/27 * 12
MTR-01	EMI TEST RECEIVER	Rohde & Schwarz	ESI40	RE	2001/11/13 * 12
MCC-05	Microwave Cable	Storm	421-011	RE	2002/01/14 * 12
MCC-06	Microwave Cable	Storm	421-011	RE	2002/01/14 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2002/02/09 * 12
MPA-04	Pre Amplifier	Agilent	8747D	RE	2002/03/13 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2002/05/02 * 12
MHA-01	Horn Antenna	EMCO	3160-09	RE	2002/01/13 * 12
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2002/01/13 * 12
MBF-01	SHF Bandpass Filter	M-City	5GHz BPF	RE	2002/04/30 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2002/05/02 * 12
MCC-04	Microwave Cable	Storm	421-011	RE	2002/01/14 * 12
MPA-02	Pre Amplifier	Agilent	87405A	RE	2001/12/27 * 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,

A-Pex International Co., Ltd.
EMC Head Office Division.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124