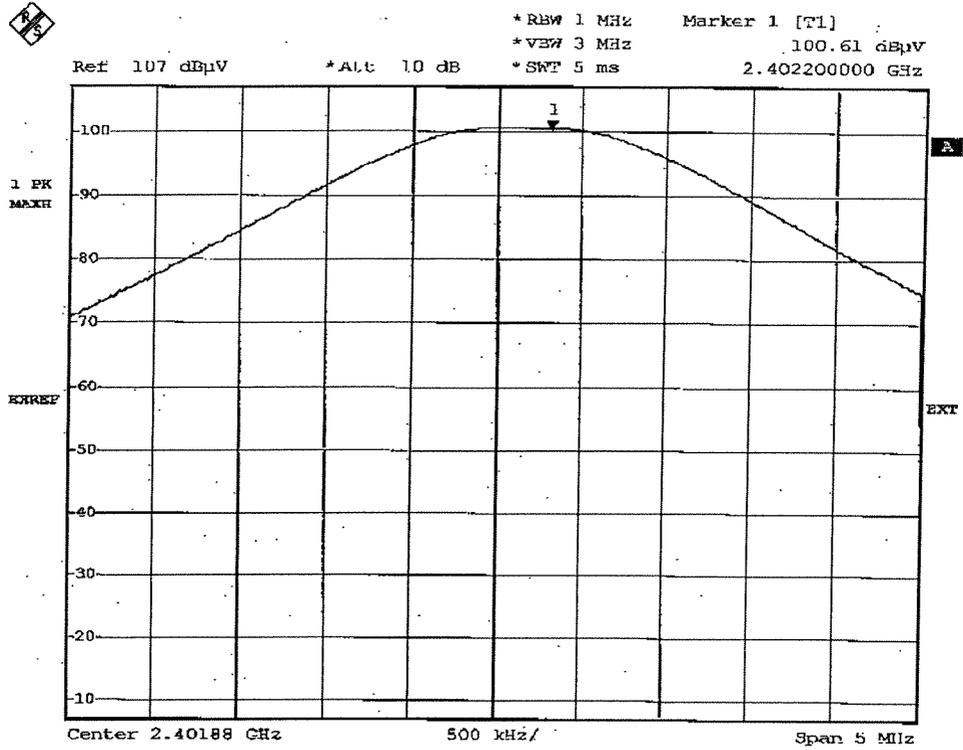
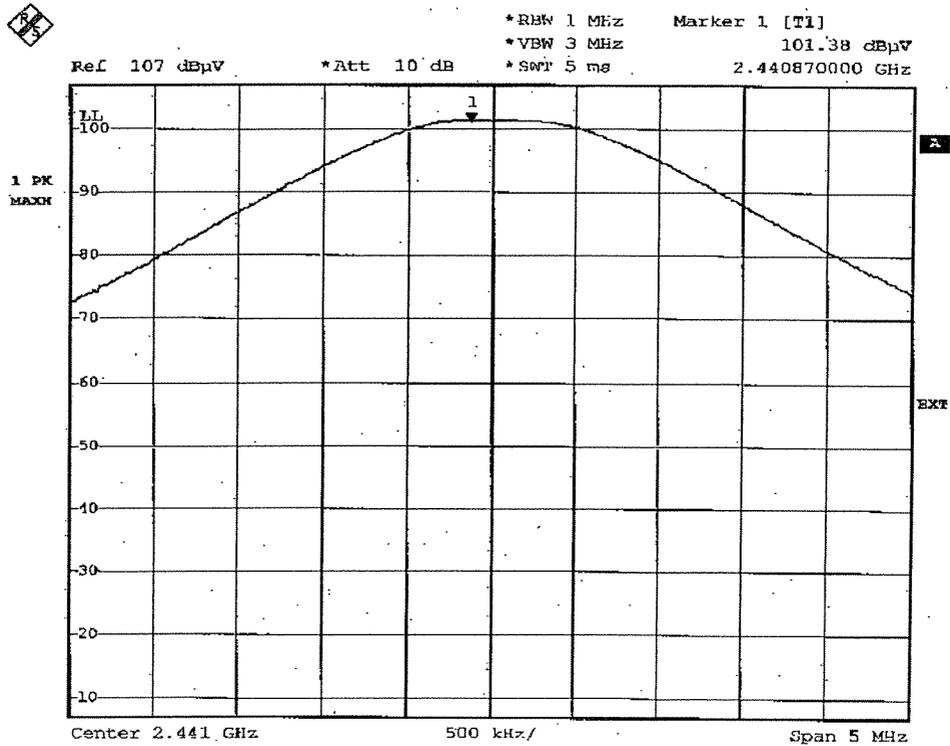


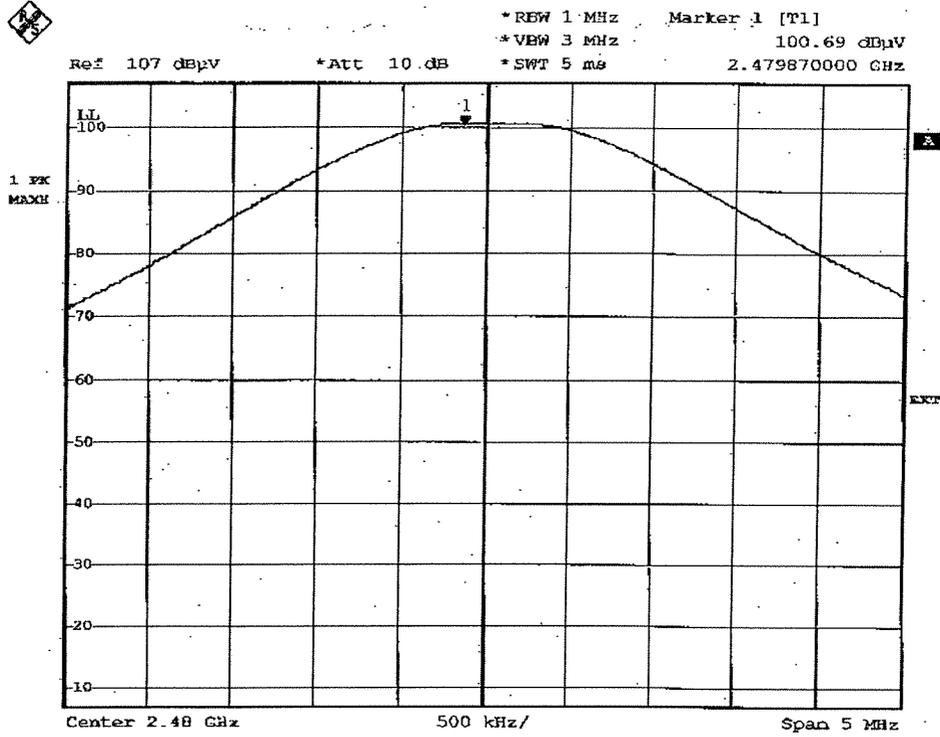
### Peak Output Power(Conducted):Tx(2402MHz)



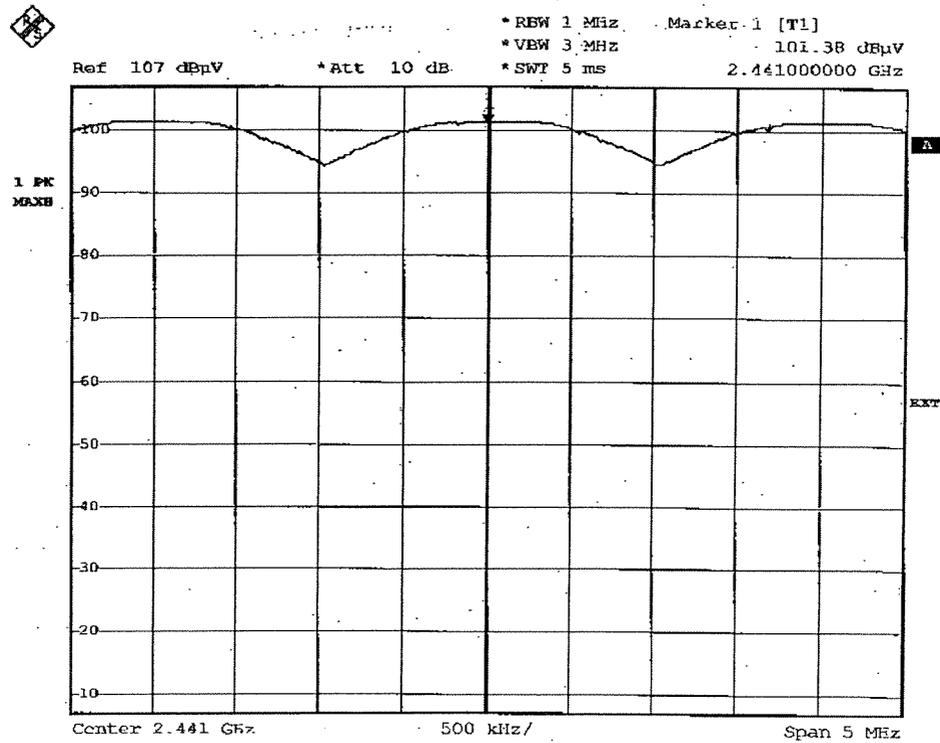
### Peak Output Power(Conducted):Tx(2441MHz)



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



### Peak Output Power(Conducted):Inquiry



# DATA OF BAND EDGE

A-Pex International Co., Ltd.  
EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation	REPORT NO : 23EE0036-HO - 1
EQUIPMEN : Personal Entertainment Organizer	REGULATION : Fcc Part15 Subpart C 15.247(c)
MODEL : PEG-TG50/U	TEST DISTANCE : -
S/ N : PVT28	DATE : 12/27/2002
FCC ID : AK8PEGTG50	TEMPERATURE : 19°C
IC Number : 409B-PEGTG50	HUMIDITY : 31%
POWER : DC5.2V(AC120V/60Hz)	
MODE : Tx (Hopping on/off)	

  
 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	43.2	2.4	45.6	0.72	-	35.9	<74[dBuV/m]
2400.0	54.2	2.4	56.6	-	45.9*	-	>20[dB]
2483.6	53.2	2.4	55.6	7.24	-	46.0	<74[dBuV/m]

\* Reference : Reading (100.1[dBuV]) + Cable Loss (MCC-05 + U.FL-2LP(V)-04-A-100:2.4[dB]) = E (102.5[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	37.8	2.4	40.2	0.21	-	30.6	<74[dBuV/m]
2400.0	58.3	2.4	60.7	-	42.6*	-	>20[dB]
2483.6	55.3	2.4	57.7	11.75	-	48.1	<74[dBuV/m]

\* Reference : Reading (100.9[dBuV]) + Cable Loss (MCC-05 + U.FL-2LP(V)-04-A-100:2.4[dB]) = E (103.3[dBuV]) at 2480MHz.

Sample Calculation:

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

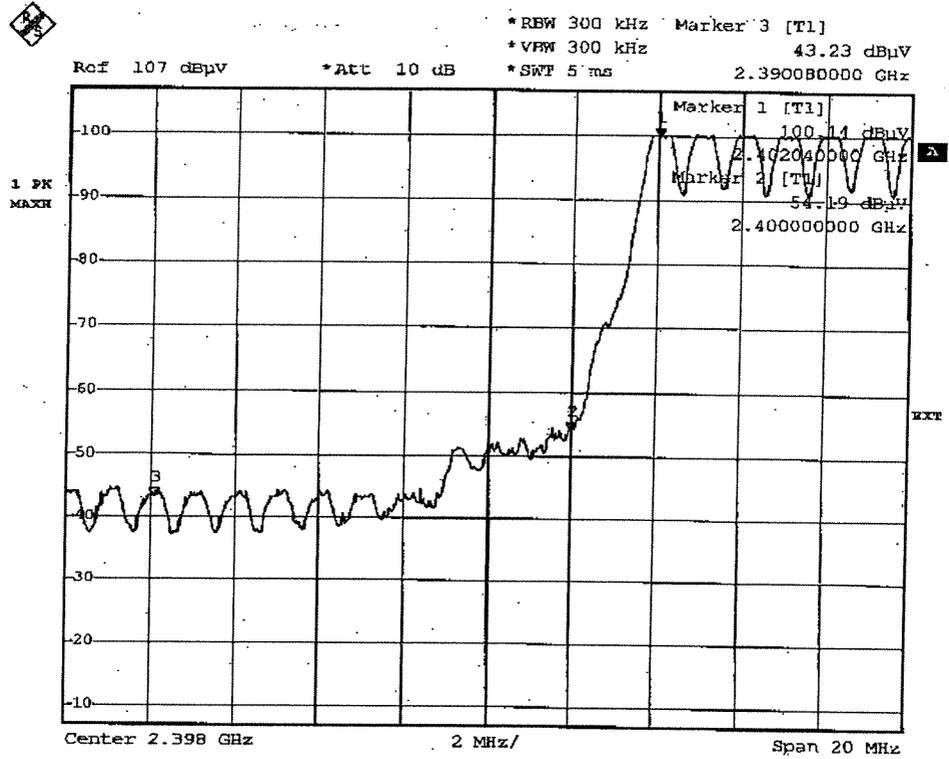
E : Reading + Cable Loss

P : Converted to nW

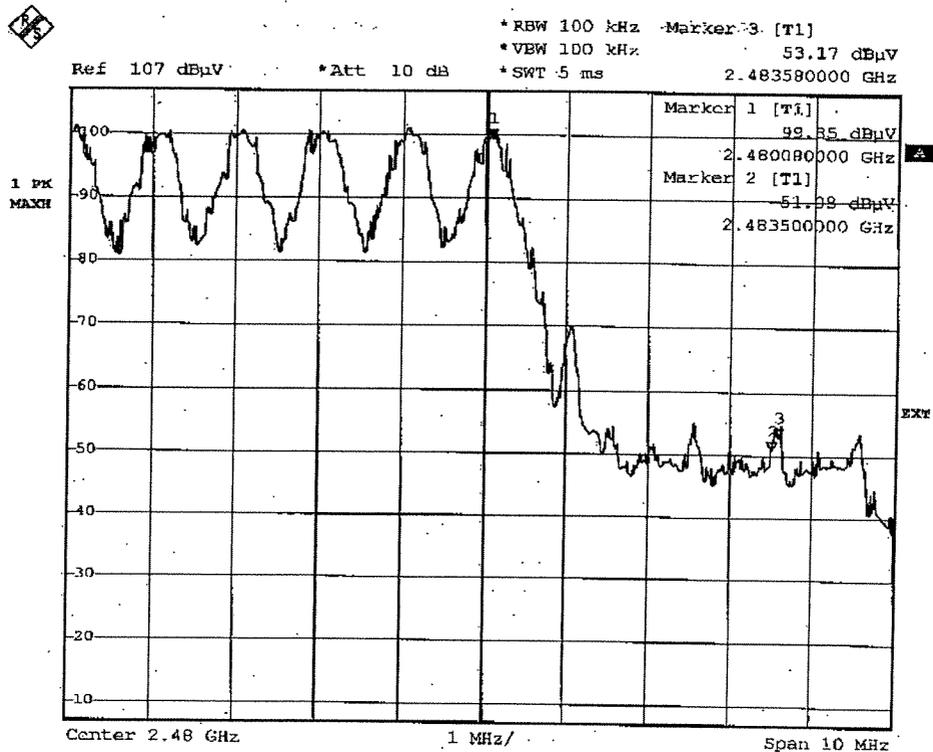
d : Test distance(3.0m)

G : Numeric Antenna Gain (1.64)

**Band Edge :Tx(Hopping on)2402MHz**



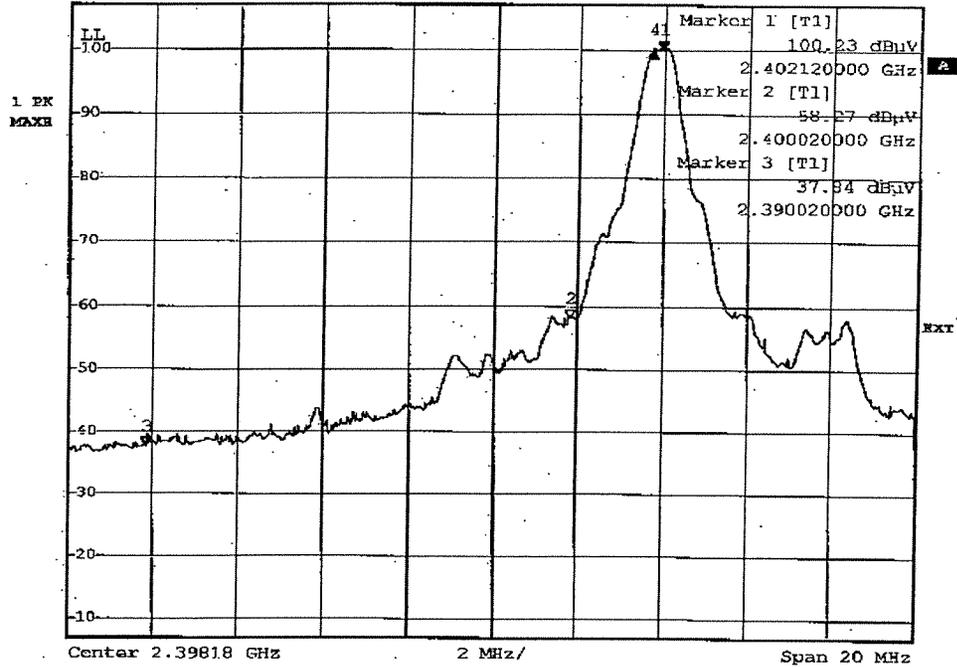
**Band Edge :Tx(Hopping on)2480MHz**



**Band Edge :Tx(Hopping off)2402MHz**



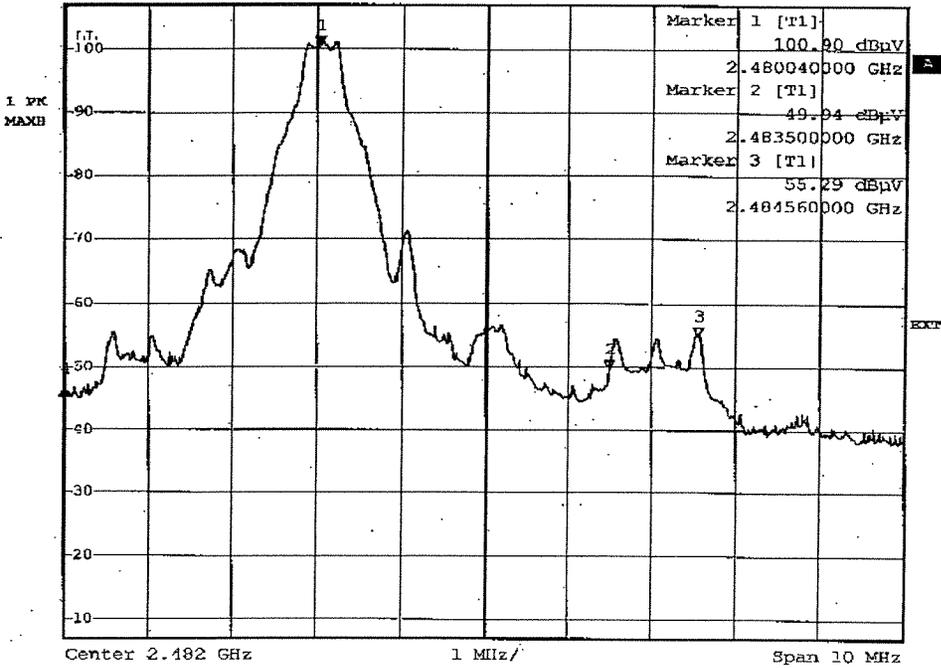
\*RBW 300 kHz Delta 4 [T1]  
 \*VBW 300 kHz 0.07 dB  
 \*SWT 5 ms -220.00000000 kHz  
 Ref 107 dBμV \*Att 10 dB



**Band Edge :Tx(Hopping off)2480MHz**



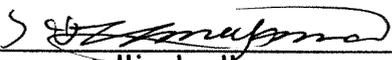
\*RBW 100 kHz Delta 4 [T1]  
 \*VBW 100 kHz -54.05 dB  
 \*SWT 5 ms -3104000000 MHz  
 Ref 107 dBμV \*Att 10 dB



# DATA OF RADIATION TEST

A-Pex International Co., Ltd.  
No.2 SEMI ANECHOIC CHAMBER  
Report No. : 23EE0036-H0- 1

Applicant : Sony Corporation  
 Kind of Equipment : Personal Entertainment Organizer  
 Model No. : PEG-TG50/U  
 Serial No. : PVT31  
 Power : DC5. 2V (AC120V/60Hz)  
 Mode : Tx (2402MHz)  
 Remarks : FCC ID:AK8PEGTG50 IC Number:409B-PEGTG50  
 Date : 12/26/2002  
 Test Distance : 3 m  
 Temperature : 22 °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 μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	31.23	BB	27.5	32.2	18.4	27.5	0.7	5.8	24.9	29.6	40.0	15.1	10.4
2.	80.00	BB	39.9	43.5	7.9	27.1	1.0	5.8	27.5	31.1	40.0	12.5	8.9
3.	147.05	BB	38.5	33.9	15.2	26.5	1.3	5.8	34.3	29.7	43.5	9.2	13.8
4.	163.67	BB	37.8	29.3	15.6	26.3	1.4	5.8	34.3	25.8	43.5	9.2	17.7
5.	199.42	BB	32.3	29.7	17.4	26.1	1.7	5.8	31.1	28.5	43.5	12.4	15.0
6.	249.22	BB	36.5	31.1	18.3	26.3	1.8	5.8	36.1	30.7	46.0	9.9	15.3
7.	327.42	BB	38.2	26.5	15.2	26.3	2.1	5.7	34.9	23.2	46.0	11.1	22.8
8.	498.46	BB	33.5	34.2	18.5	27.6	2.6	5.8	32.8	33.5	46.0	13.2	12.5

CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

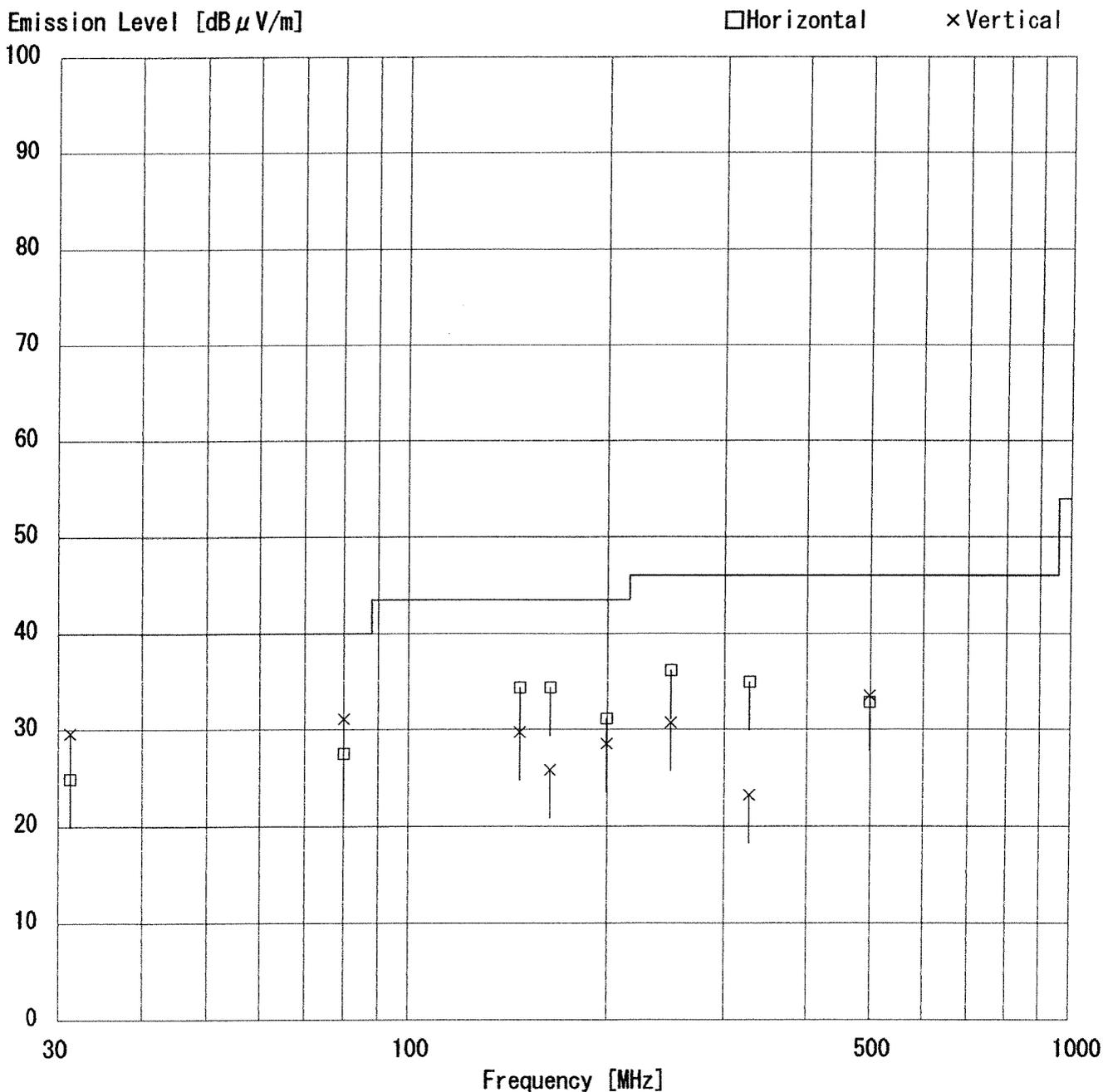
All other spurious emissions were less than 20dB for the limit.  
 ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic, 1000MHz- Horn

# DATA OF RADIATION TEST

A-Pex International Co., Ltd.  
 No.2 SEMI ANECHOIC CHAMBER  
 Report No. : 23EE0036-H0- 1

Applicant : Sony Corporation  
 Kind of Equipment : Personal Entertainment Organizer  
 Model No. : PEG-TG50/U  
 Serial No. : PVT31  
 Power : DC5.2V (AC120V/60Hz)  
 Mode : Tx (2402MHz)  
 Remarks : FCC ID:AK8PEGTG50 IC Number:409B-PEGTG50  
 Date : 12/26/2002  
 Test Distance : 3 m  
 Temperature : 22 °C  
 Humidity : 30 %  
 Regulation : FCC § 15.247 (C)

*S. Umeyama*  
 Engineer : Hiroka Umeyama



# DATA OF RADIATION TEST

A-Pex International Co., Ltd.  
No.2 SEMI ANECHOIC CHAMBER  
Report No. : 23EE0036-H0 - 1

Applicant : Sony Corporation  
 Kind of Equipment : Personal Entertainment Organizer  
 Model No. : PEG-TG50/U  
 Serial No. : PVT31  
 Power : DC5. 2V (AC120V/60Hz)  
 Mode : Tx (2441MHz)  
 Remarks : FCC ID:AK8PEGTG50 IC Number:409B-PEGTG50  
 Date : 12/26/2002  
 Test Distance : 3 m  
 Temperature : 22 °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		MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER	HOR [dB]	VER		
1.	31. 23	BB	28. 6	33. 5	18. 4	27. 5	0. 7	5. 8	26. 0	30. 9	40. 0	14. 0	9. 1	
2.	80. 00	BB	46. 1	45. 4	7. 9	27. 1	1. 0	5. 8	33. 7	33. 0	40. 0	6. 3	7. 0	
3.	140. 30	BB	25. 9	26. 7	15. 1	26. 5	1. 3	5. 8	21. 6	22. 4	43. 5	21. 9	21. 1	
4.	199. 42	BB	31. 5	31. 3	17. 4	26. 1	1. 7	5. 8	30. 3	30. 1	43. 5	13. 2	13. 4	
5.	299. 07	BB	36. 5	31. 1	19. 6	26. 2	2. 0	5. 7	37. 6	32. 2	46. 0	8. 4	13. 8	
6.	327. 42	BB	38. 5	26. 6	15. 2	26. 3	2. 1	5. 7	35. 2	23. 3	46. 0	10. 8	22. 7	
7.	498. 46	BB	33. 9	34. 5	18. 5	27. 6	2. 6	5. 8	33. 2	33. 8	46. 0	12. 8	12. 2	

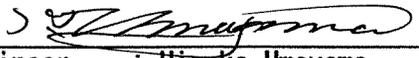
CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

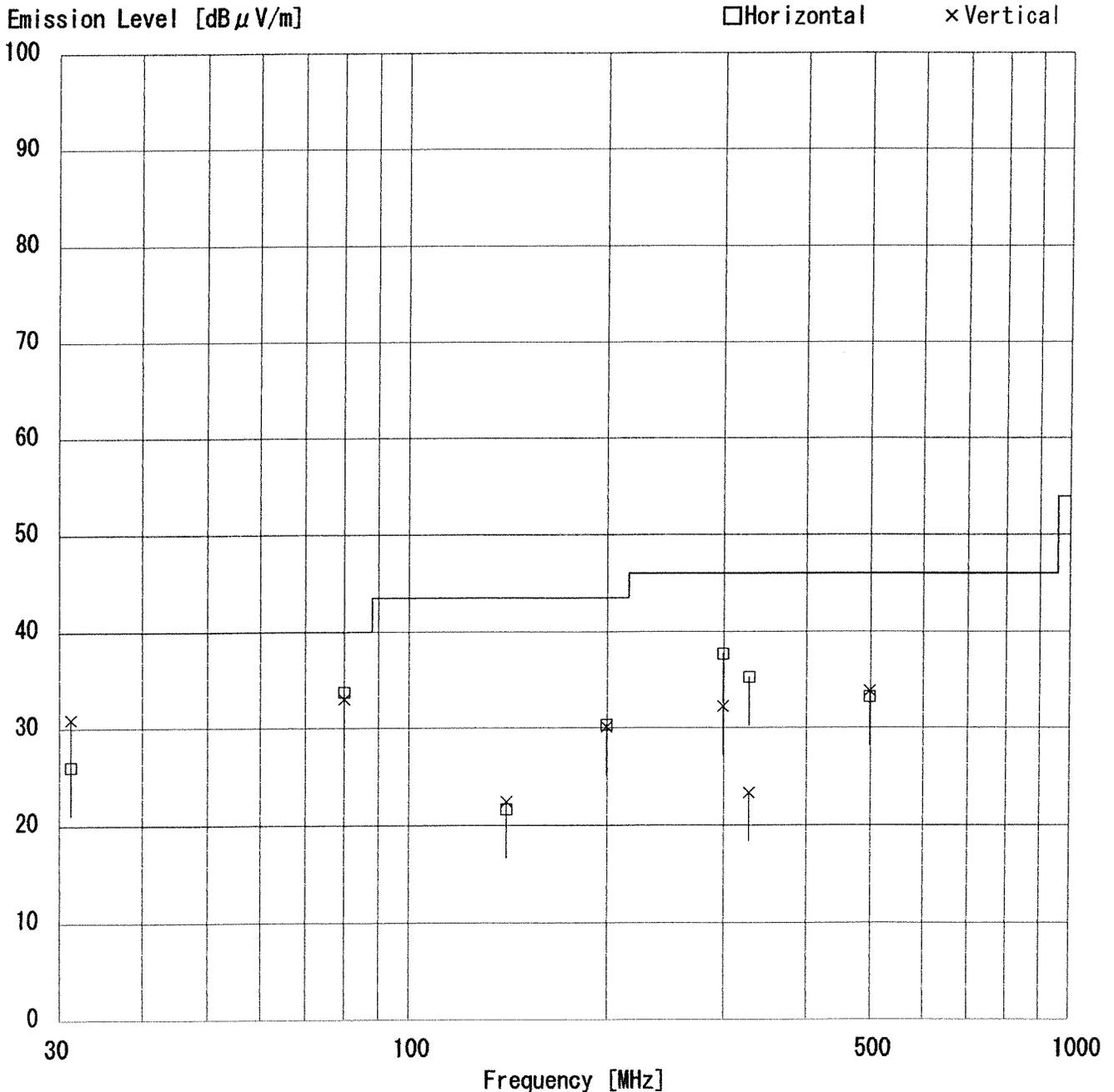
All other spurious emissions were less than 20dB for the limit.  
 ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic, 1000MHz- Horn

# DATA OF RADIATION TEST

A-Pex International Co., Ltd.  
No.2 SEMI ANECHOIC CHAMBER  
Report No. : 23EE0036-H0 - 1

Applicant : Sony Corporation  
Kind of Equipment : Personal Entertainment Organizer  
Model No. : PEG-TG50/U  
Serial No. : PVT31  
Power : DC5.2V (AC120V/60Hz)  
Mode : Tx (2441MHz)  
Remarks : FCC ID:AK8PEGTG50 IC Number:409B-PEGTG50  
Date : 12/26/2002  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 30 %  
Regulation : FCC § 15.247(C)

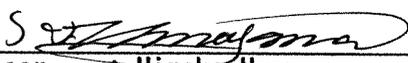
  
Engineer : Hiroka Umeyama



# DATA OF RADIATION TEST

A-Pex International Co., Ltd.  
No.2 SEMI ANECHOIC CHAMBER  
Report No. : 23EE0036-H0-1

Applicant : Sony Corporation  
 Kind of Equipment : Personal Entertainment Organizer  
 Model No. : PEG-TG50/U  
 Serial No. : PVT31  
 Power : DC5.2V (AC120V/60Hz)  
 Mode : Tx (2480MHz)  
 Remarks : FCC ID:AK8PEGTG50 IC Number : 409B-PEGTG50  
 Date : 12/26/2002  
 Test Distance : 3 m  
 Temperature : 22 °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		MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]	HOR [dB]	VER [dB]		
1.	31.23	BB	28.6	32.9	18.4	27.5	0.7	5.8	26.0	30.3	40.0	14.0	9.7	
2.	80.00	BB	45.0	45.0	7.9	27.1	1.0	5.8	32.6	32.6	40.0	7.4	7.4	
3.	140.30	BB	25.5	26.9	15.1	26.5	1.3	5.8	21.2	22.6	43.5	22.3	20.9	
4.	199.42	BB	31.6	30.7	17.4	26.1	1.7	5.8	30.4	29.5	43.5	13.1	14.0	
5.	299.07	BB	34.7	29.5	19.6	26.2	2.0	5.7	35.8	30.6	46.0	10.2	15.4	
6.	364.00	BB	35.2	29.8	16.3	26.7	2.3	5.7	32.8	27.4	46.0	13.2	18.6	
7.	498.46	BB	34.9	34.4	18.5	27.6	2.6	5.8	34.2	33.7	46.0	11.8	12.3	

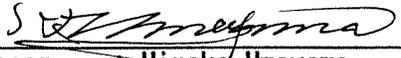
CALCULATION:  $READING[dB \mu V] + ANT.FACTOR[dB/m] + CABLE LOSS[dB] - AMP.GAIN[dB] + ATTEN[dB]$ .

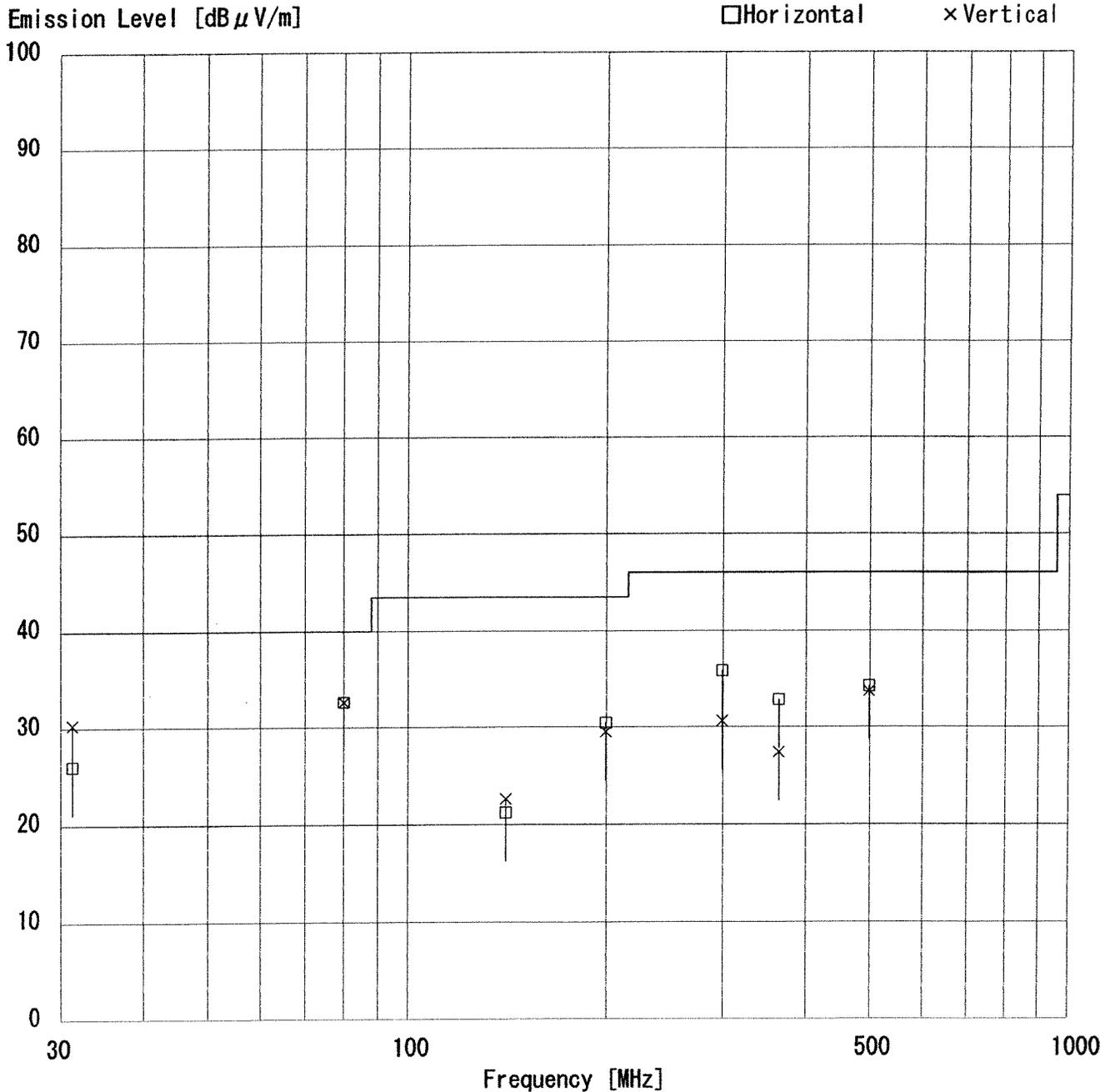
All other spurious emissions were less than 20dB for the limit.  
 ANT.TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic, 1000MHz- Horn

# DATA OF RADIATION TEST

A-Pex International Co., Ltd.  
No.2 SEMI ANECHOIC CHAMBER  
Report No. : 23EE0036-H0 - 1

Applicant : Sony Corporation  
Kind of Equipment : Personal Entertainment Organizer  
Model No. : PEG-TG50/U  
Serial No. : PVT31  
Power : DC5.2V (AC120V/60Hz)  
Mode : Tx (2480MHz)  
Remarks : FCC ID:AK8PEGTG50 IC Number:409B-PEGTG50  
Date : 12/26/2002  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 30 %  
Regulation : FCC § 15.247 (C)

  
Engineer : Hiroka Umeyama



# DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.  
EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation	REPORT NO : 23EE0036-HO = 1
EQUIPMENT : Personal Entertainment Organizer	REGULATION : Fcc Part15 Subpart C 15.247( c )
MODEL : PEG-TG50/U	TEST DISTANCE : 3 and 1 m
S/ N : PVT31	DATE : 12/27/2002
FCC ID : AK8PEGTG50	TEMPERATURE : 19°C
IC Number : 409B-PEGTG50	HUMIDITY : 31%
POWER : DC5.2V(AC120V/60Hz)	
MODE : Tx(2402MHz)	

  
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 [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass</b>												
0	1201.0	45.8	45.4	25.1	37.3	3.3	0.0	36.9	36.5	74.0	37.1	37.5
1	4804.0	51.6	47.2	31.1	36.4	7.3	0.3	53.9	49.5	74.0	20.1	24.5
2	7206.0	42.7	43.0	35.3	36.5	9.1	0.0	50.6	50.9	74.0	23.4	23.1
3	9608.0	43.7	43.4	38.0	37.0	10.7	0.0	55.4	55.1	74.0	18.6	18.9
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)</b>												
4	12010.0	43.4	43.7	38.9	35.9	12.2	0.0	49.1	49.4	74.0	24.9	24.6
5	14412.0	42.7	43.4	40.6	35.8	13.3	0.0	51.3	52.0	74.0	22.7	22.0
6	16814.0	43.0	43.1	39.3	37.2	13.5	0.0	49.1	49.2	74.0	24.9	24.8
7	19216.0	43.2	42.9	40.9	35.8	15.0	0.0	53.8	53.5	74.0	20.2	20.5
8	21618.0	43.3	43.1	40.3	37.0	17.5	0.0	54.6	54.4	74.0	19.4	19.6
9	24020.0	43.7	43.7	39.8	35.5	16.9	0.0	55.4	55.4	74.0	18.6	18.6

## 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 [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass</b>												
0	1201.0	32.7	31.9	25.1	37.3	3.3	0.0	23.8	23.0	54.0	30.2	31.0
1	4804.0	43.9	39.8	31.1	36.4	7.3	0.3	46.2	42.1	54.0	7.8	11.9
2	7206.0	30.0	30.0	35.3	36.5	9.1	0.0	37.9	37.9	54.0	16.1	16.1
3	9608.0	30.6	30.6	38.0	37.0	10.7	0.0	42.3	42.3	54.0	11.7	11.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)</b>												
4	12010.0	30.3	30.4	38.9	35.9	12.2	0.0	36.0	36.1	54.0	18.0	17.9
5	14412.0	29.6	29.6	40.6	35.8	13.3	0.0	38.2	38.2	54.0	15.8	15.8
6	16814.0	29.7	29.7	39.3	37.2	13.5	0.0	35.8	35.8	54.0	18.2	18.2
7	19216.0	29.8	29.8	40.9	35.8	15.0	0.0	40.4	40.4	54.0	13.6	13.6
8	21618.0	30.7	30.6	40.3	37.0	17.5	0.0	42.0	41.9	54.0	12.0	12.1
9	24020.0	30.7	30.7	39.8	35.5	16.9	0.0	42.4	42.4	54.0	11.6	11.6

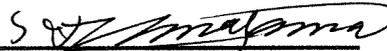
Test Distance 1.0m : Distance Factor(Dfac) =  $20\log(3/1.0) = 9.5$  dB

\*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	REPORT NO : 23EE0036-HO- I
EQUIPMENT : Personal Entertainment Organizer	REGULATION : Fcc Part15 Subpart C 15.247(c)
MODEL : PEG-TG50/U	TEST DISTANCE : 3 and 1 m
S/N : PVT31	DATE : 12/27/2002
FCC ID : AK8PEGTG50	TEMPERATURE : 19°C
IC Number : 409B-PEGTG50	HUMIDITY : 31%
POWER : DC5.2V(AC120V/60Hz)	
MODE : Tx(2441MHz)	

  
 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 [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass</b>												
0	1185.0	44.5	45.0	25.1	37.3	3.4	0.0	35.7	36.2	74.0	38.3	37.8
1	4882.0	49.5	47.3	31.3	36.4	7.3	0.4	52.1	49.9	74.0	21.9	24.1
2	7323.0	43.7	43.1	35.5	36.6	9.1	0.0	51.7	51.1	74.0	22.3	22.9
3	9764.0	43.0	43.1	38.2	37.0	11.2	0.0	55.4	55.5	74.0	18.6	18.5
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)</b>												
4	12205.0	43.1	43.4	38.8	36.0	12.2	0.0	48.6	48.9	74.0	25.4	25.1
5	14646.0	43.0	42.9	40.6	36.1	13.5	0.0	51.5	51.4	74.0	22.5	22.6
6	17087.0	42.3	42.8	39.6	37.0	13.5	0.0	48.9	49.4	74.0	25.1	24.6
7	19528.0	41.8	42.2	40.4	36.1	15.5	0.0	52.1	52.5	74.0	21.9	21.5
8	21969.0	45.0	44.0	40.5	36.7	18.4	0.0	57.7	56.7	74.0	16.3	17.3
9	24410.0	43.2	44.3	40.2	36.4	17.5	0.0	55.0	56.1	74.0	19.0	17.9

### 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 [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass</b>												
0	1220.5	31.3	31.3	25.1	37.3	3.4	0.0	22.5	22.5	54.0	31.5	31.5
1	4882.0	42.7	38.9	31.3	36.4	7.3	0.4	45.3	41.5	54.0	8.7	12.5
2	7323.0	30.1	30.1	35.5	36.6	9.1	0.0	38.1	38.1	54.0	15.9	15.9
3	9764.0	30.2	30.2	38.2	37.0	11.2	0.0	42.6	42.6	54.0	11.4	11.4
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)</b>												
4	12205.0	30.1	30.1	38.8	36.0	12.2	0.0	35.6	35.6	54.0	18.4	18.4
5	14646.0	30.0	29.9	40.6	36.1	13.5	0.0	38.5	38.4	54.0	15.5	15.6
6	17087.0	29.3	29.3	39.6	37.0	13.5	0.0	35.9	35.9	54.0	18.1	18.1
7	19528.0	29.6	29.6	40.4	36.1	15.5	0.0	39.9	39.9	54.0	14.1	14.1
8	21969.0	31.8	31.8	40.5	36.7	18.4	0.0	44.5	44.5	54.0	9.5	9.5
9	24410.0	30.8	30.8	40.2	36.4	17.5	0.0	42.6	42.6	54.0	11.4	11.4

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

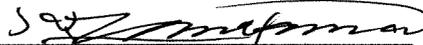
\*Except for the above table : All other spurious emissions were less than 20dB for the limit.

# DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

A-Pex International Co., Ltd.

EMC HEAD OFFICE DIVISION No.2 SEMI ANECHOIC CHAMBER

COMPANY : Sony Corporation	REPORT NO : 23EE0036-HO - 1
EQUIPMENT : Personal Entertainment Organizer	REGULATION : Fcc Part15 Subpart C 15.247( c )
MODEL : PEG-TG50/U	TEST DISTANCE : 3 and 1 m
S/ N : PVT31	DATE : 12/27/2002
FCC ID : AK8PEGTG50	TEMPERATURE : 19°C
IC Number : 409B-PEGTG50	HUMIDITY : 31%
POWER : DC5.2V(AC120V/60Hz)	
MODE : Tx(2480MHz)	

  
 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 [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass</b>												
0	1240.0	45.7	45.3	25.1	37.3	3.4	0.0	37.0	36.6	74.0	37.0	37.4
1	2483.6	52.7	51.0	27.7	36.7	5.2	0.0	48.9	47.2	74.0	25.1	26.8
2	4960.0	47.2	46.9	31.4	36.4	7.4	0.5	50.1	49.8	74.0	23.9	24.2
3	7440.0	43.2	43.7	35.6	36.7	9.1	0.0	51.2	51.7	74.0	22.8	22.3
4	9920.0	43.7	43.2	38.3	37.1	10.9	0.0	55.8	55.3	74.0	18.2	18.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)</b>												
5	12400.0	43.1	43.4	38.8	36.0	12.3	0.0	48.7	49.0	74.0	25.3	25.0
6	14880.0	42.7	43.1	40.5	36.4	13.7	0.0	51.0	51.4	74.0	23.0	22.6
7	17360.0	42.5	42.5	40.4	36.6	13.8	0.0	50.6	50.6	74.0	23.4	23.4
8	19840.0	41.8	42.2	40.7	36.3	16.0	0.0	52.7	53.1	74.0	21.3	20.9
9	22320.0	44.5	44.7	40.7	36.7	17.8	0.0	56.8	57.0	74.0	17.2	17.0
10	24800.0	43.5	43.8	40.2	36.5	18.1	0.0	55.8	56.1	74.0	18.2	17.9

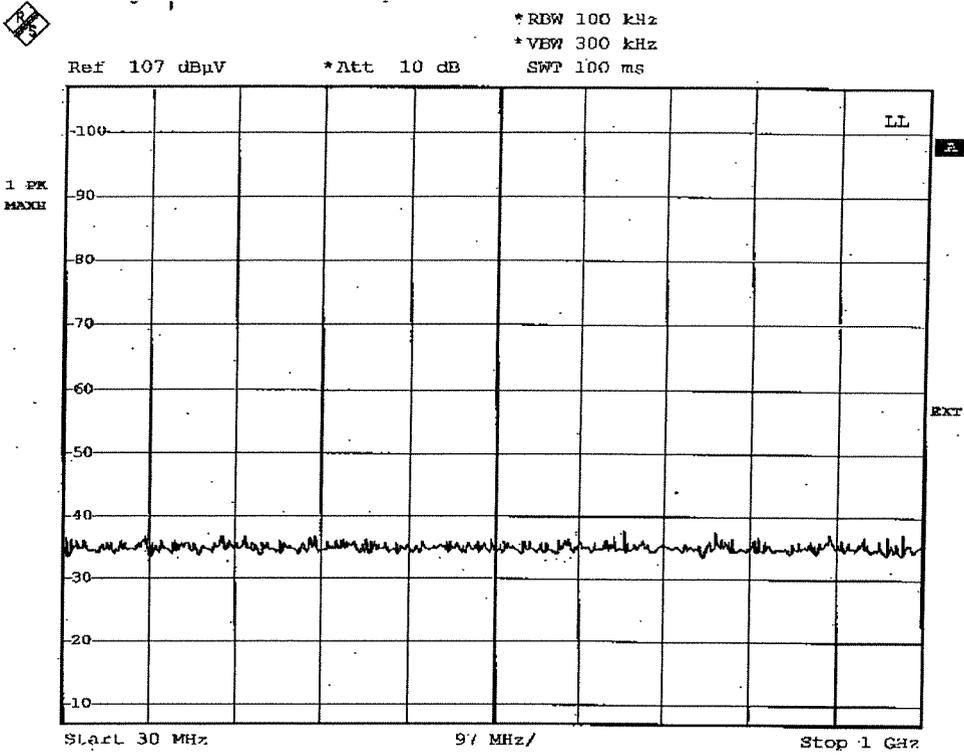
### AV DETECT

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 [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass</b>												
0	1240.0	32.3	32.1	25.1	37.3	3.4	0.0	23.6	23.4	54.0	30.4	30.6
1	2483.6	37.6	38.9	27.7	36.7	5.2	0.0	33.8	35.1	54.0	20.2	18.9
2	4960.0	38.2	38.3	31.4	36.4	7.4	0.5	41.1	41.2	54.0	12.9	12.8
3	7440.0	30.3	30.4	35.6	36.7	9.1	0.0	38.3	38.4	54.0	15.7	15.6
4	9920.0	30.4	30.3	38.3	37.1	10.9	0.0	42.5	42.4	54.0	11.5	11.6
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac)</b>												
5	12400.0	30.6	30.6	38.8	36.0	12.3	0.0	36.2	36.2	54.0	17.8	17.8
6	14880.0	29.6	30.1	40.5	36.4	13.7	0.0	37.9	38.4	54.0	16.1	15.6
7	17360.0	29.5	29.6	40.4	36.6	13.8	0.0	37.6	37.7	54.0	16.4	16.3
8	19840.0	29.5	29.3	40.7	36.3	16.0	0.0	40.4	40.2	54.0	13.6	13.8
9	22320.0	31.8	31.9	40.7	36.7	17.8	0.0	44.1	44.2	54.0	9.9	9.8
10	24800.0	31.8	31.3	40.2	36.5	18.1	0.0	44.1	43.6	54.0	9.9	10.4

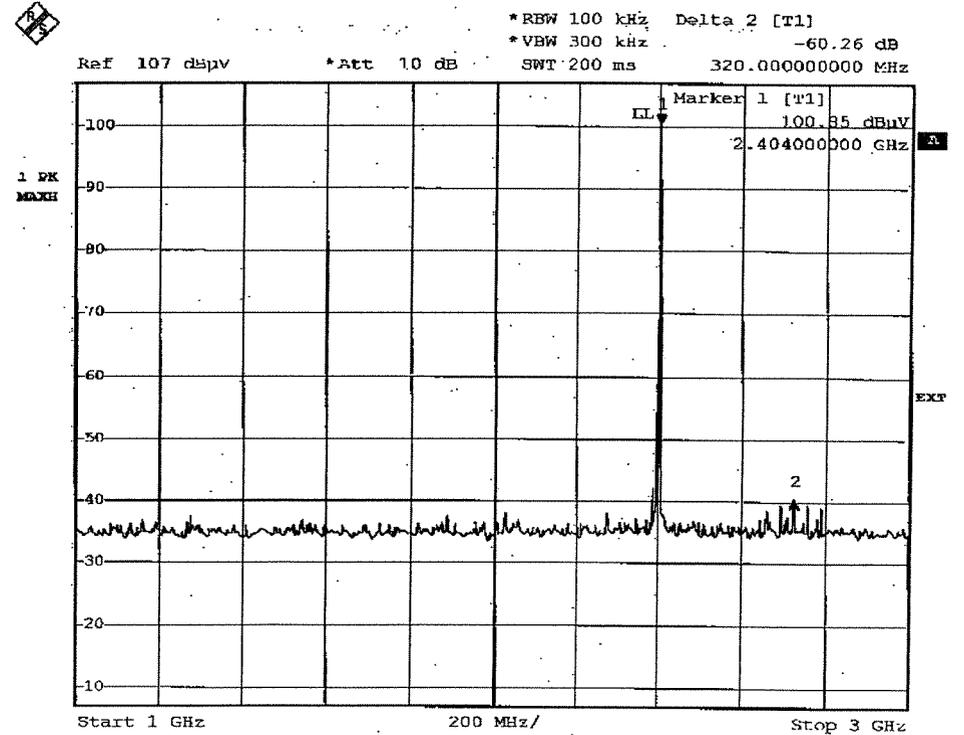
Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0)      9.5 dB

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

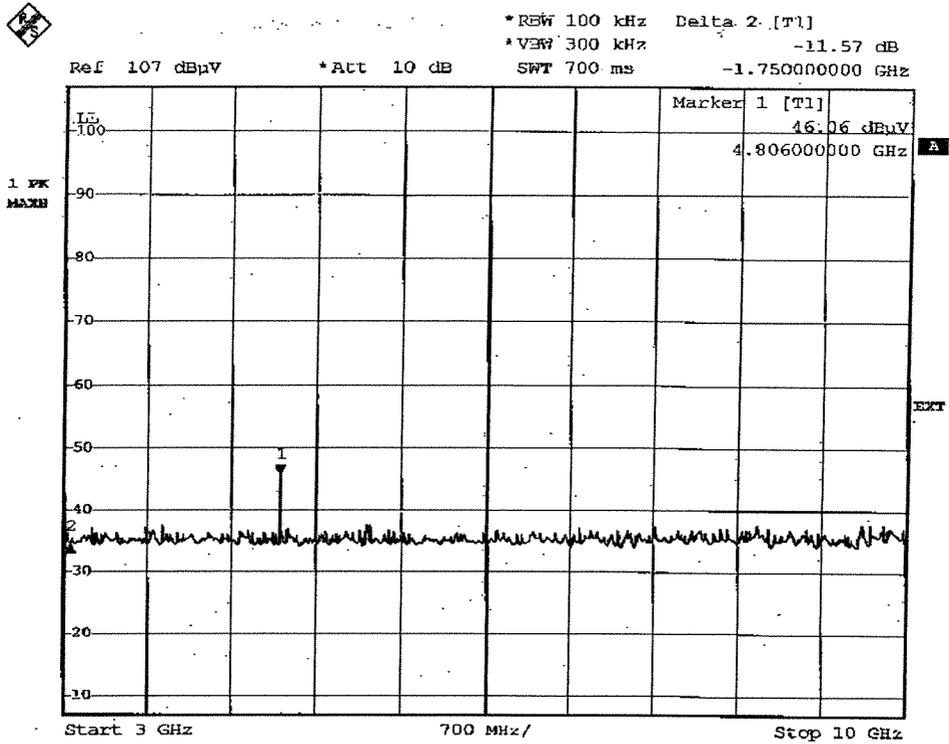
**Spurious Emission(Conducted) :Tx(2402MHz)**



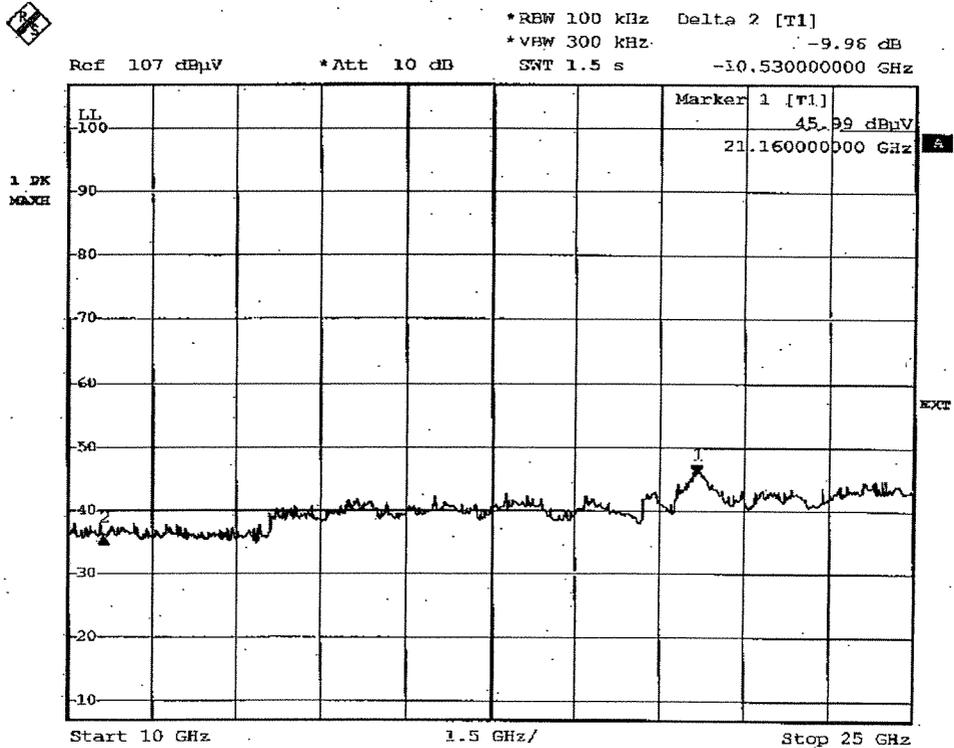
**Spurious Emission(Conducted) :Tx(2402MHz)**



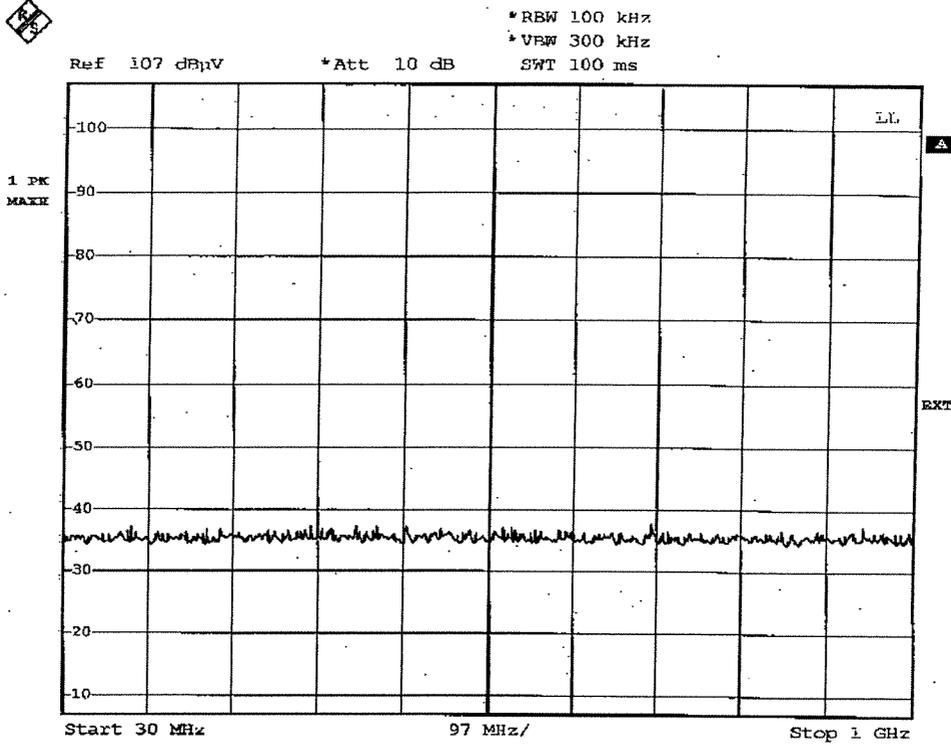
**Spurious Emission(Conducted) :Tx(2402MHz)**



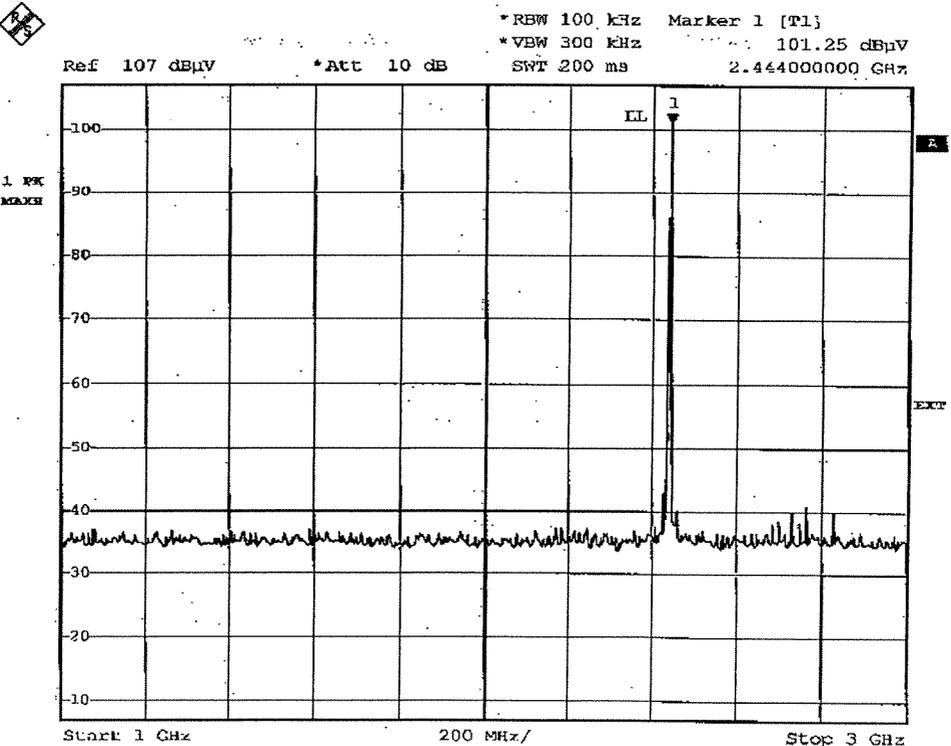
**Spurious Emission(Conducted) :Tx(2402MHz)**



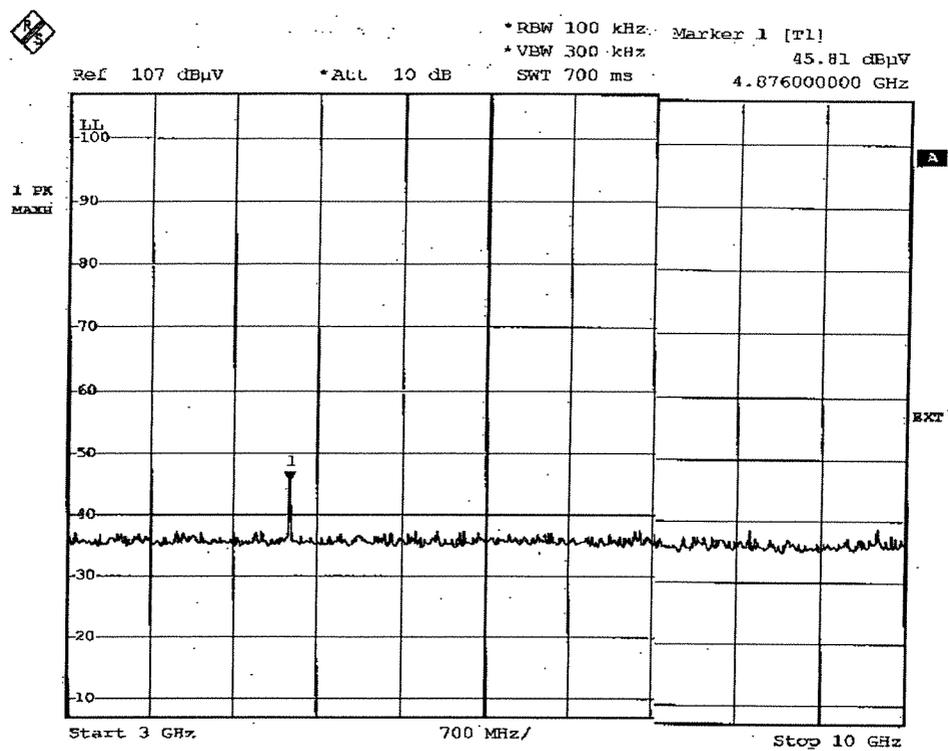
**Spurious Emission(Conducted) :Tx(2441MHz)**



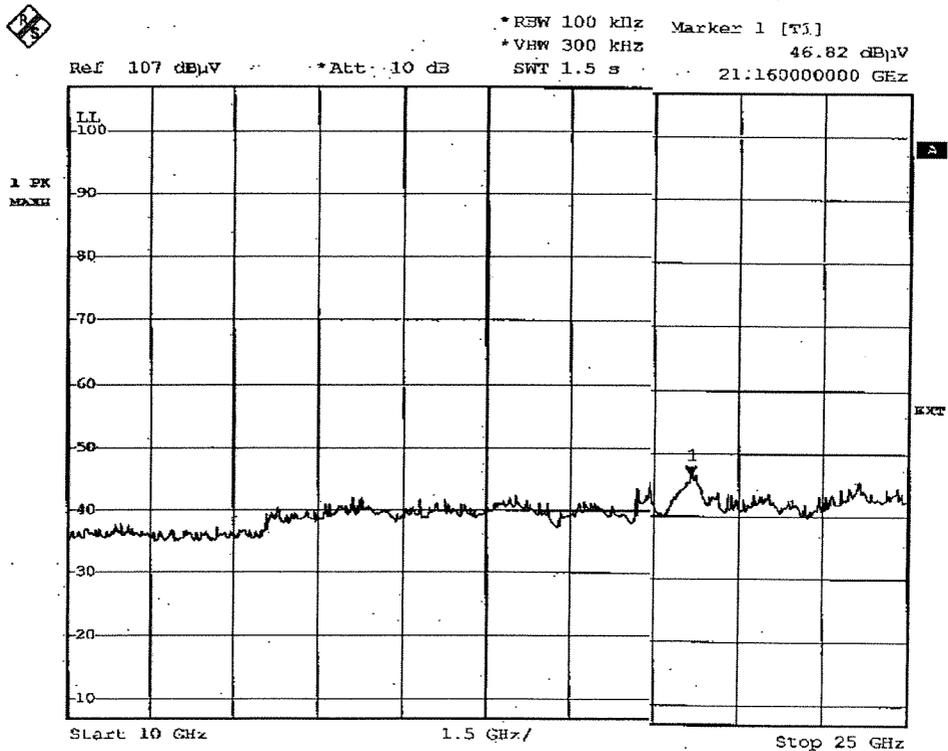
**Spurious Emission(Conducted) :Tx(2441MHz)**



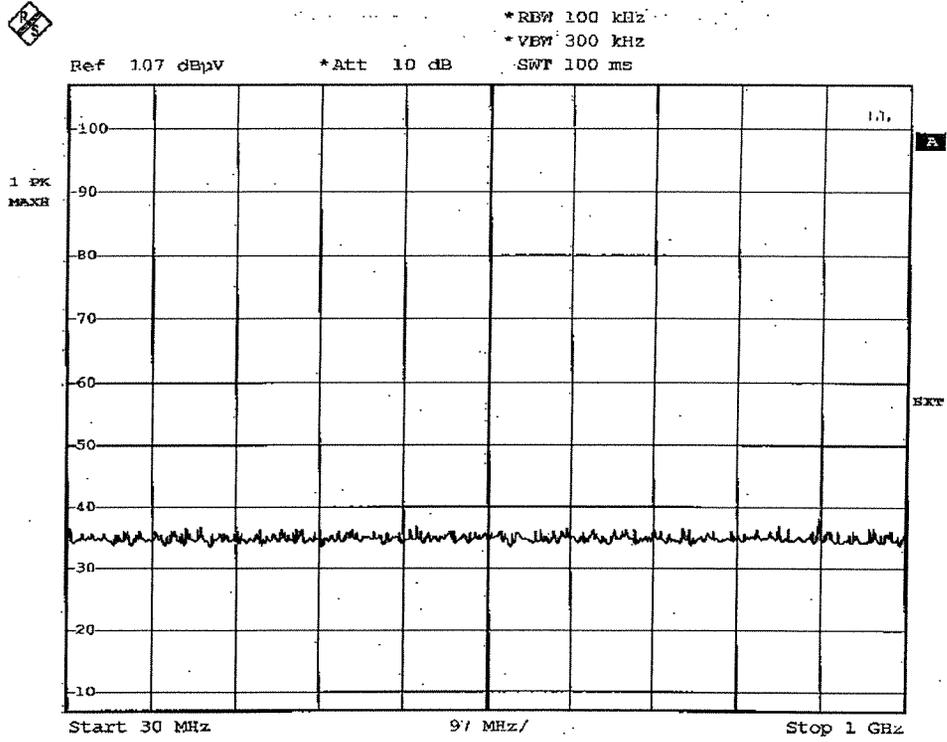
### Spurious Emission(Conducted) :Tx(2441MHz)



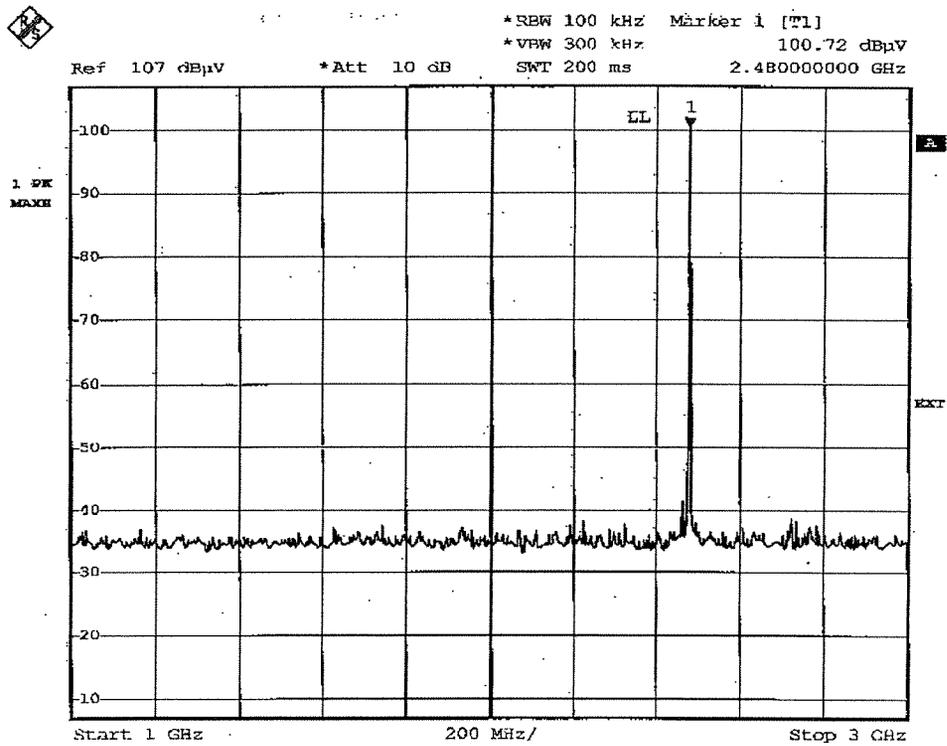
### Spurious Emission(Conducted) :Tx(2441MHz)



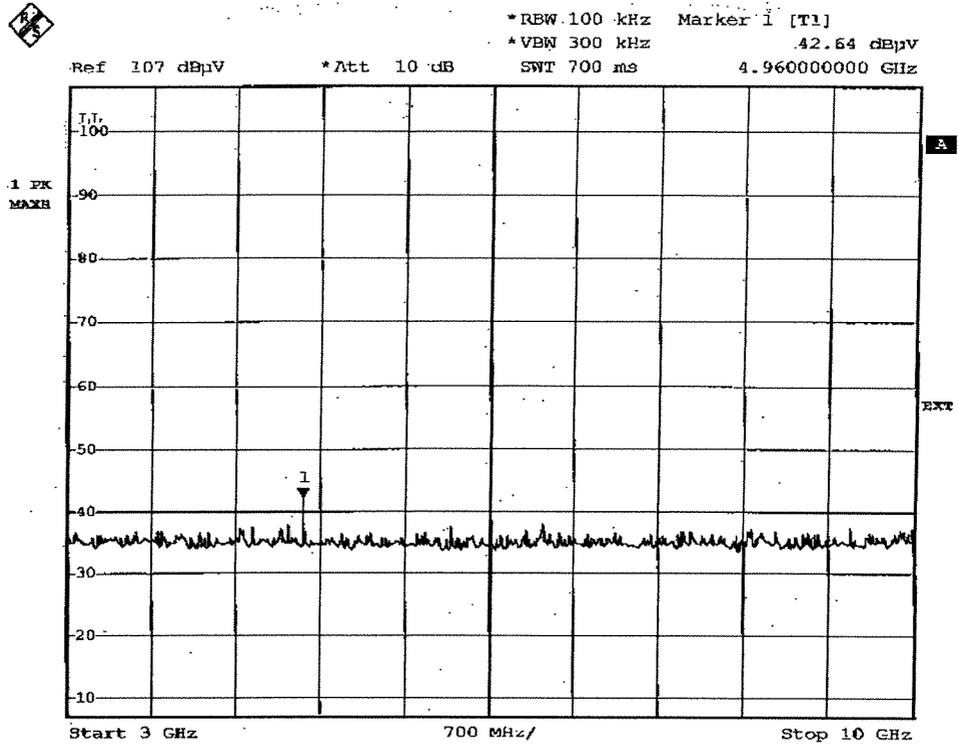
### Spurious Emission(Conducted) :Tx(2480MHz)



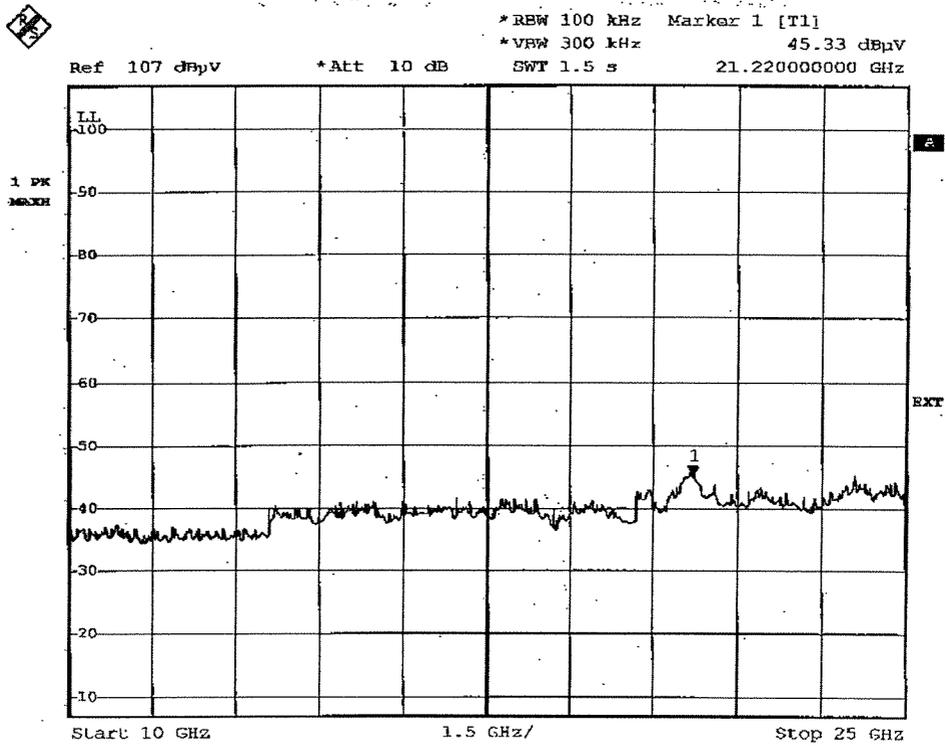
### Spurious Emission(Conducted) :Tx(2480MHz)



**Spurious Emission(Conducted) :Tx(2480MHz)**



**Spurious Emission(Conducted) :Tx(2480MHz)**



Test Report No : 23EE0036-HO-1

### APPENDIX 3 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	2002/11/01 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE / CE	2002/04/12 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2001/12/27 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2002/05/02 * 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
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2002/05/02 * 12
MPA-04	Pre Amplifier	Agilent	8447D	RE	2002/03/13 * 12
MRENT-02	Spectrum Analyzer	Advantest	R3265	RE/CE	2002/12/24 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE/CE	2002/10/11 * 12
MBTR10	Spectrum Analyzer; Spectrum Analyzer	Rohde & Schwarz; Rohde & Schwarz	FSP30; FSP30	RE	
MCC-05	Microwave Cable	Storm	421-011	RE	2002/01/14 * 12
MBF-01	SHF Bandpass Filter	M-City	5GHz BPF	RE	2002/04/30 * 12
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2002/01/13 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2002/02/09 * 12
MHA-01	Horn Antenna	EMCO	3160-09	RE	2002/01/13 * 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
MLS-06	LISN	Schwarzbeck	NSLK8127	CE(EUT)	2002/03/19 * 12
MCC-06	Microwave Cable	Storm	421-011	RE	2002/01/14 * 12
MCC-11	Microwave coaxial cable	Suhner	SUCOFLEX 104	RE	2002/03/27 * 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,