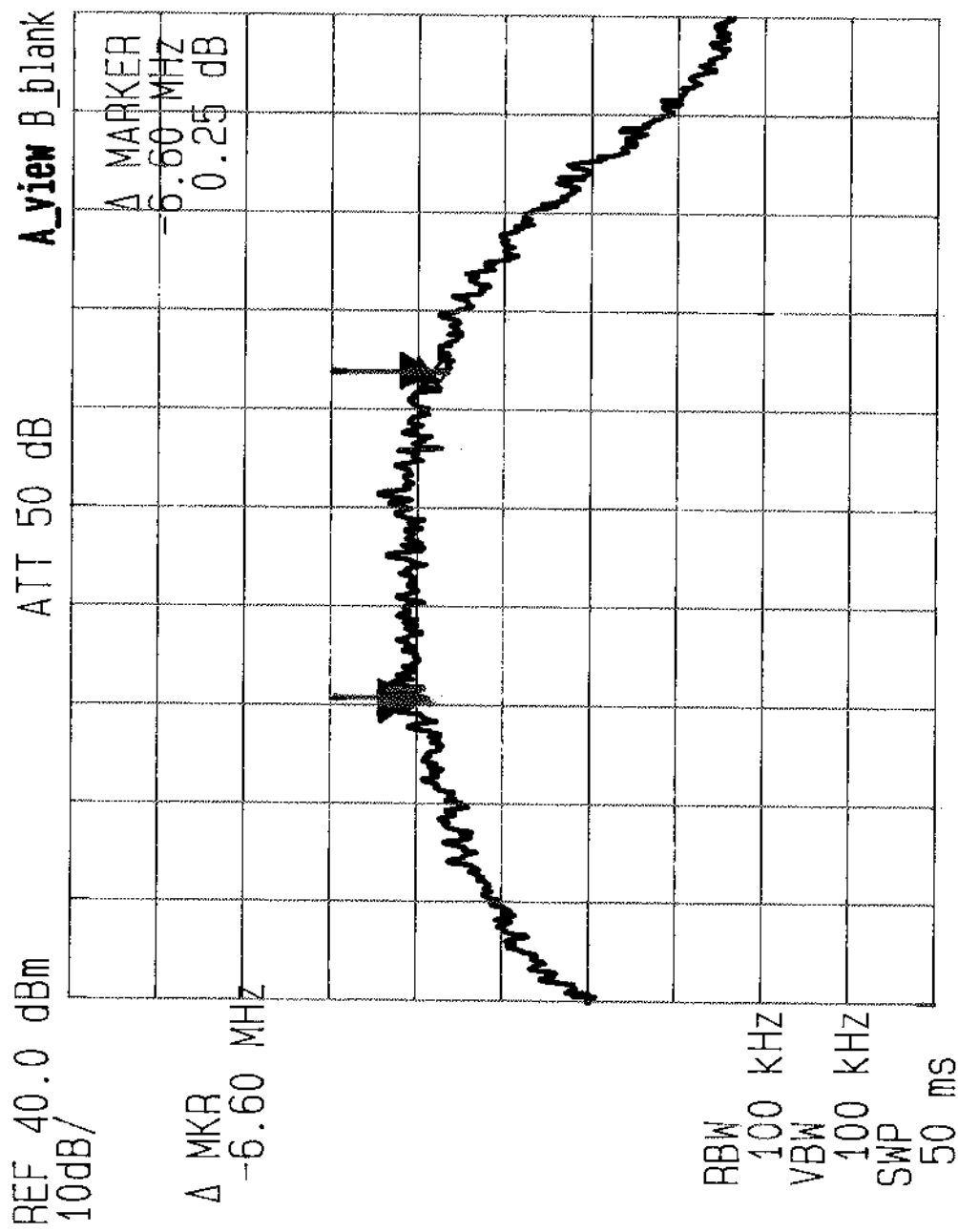


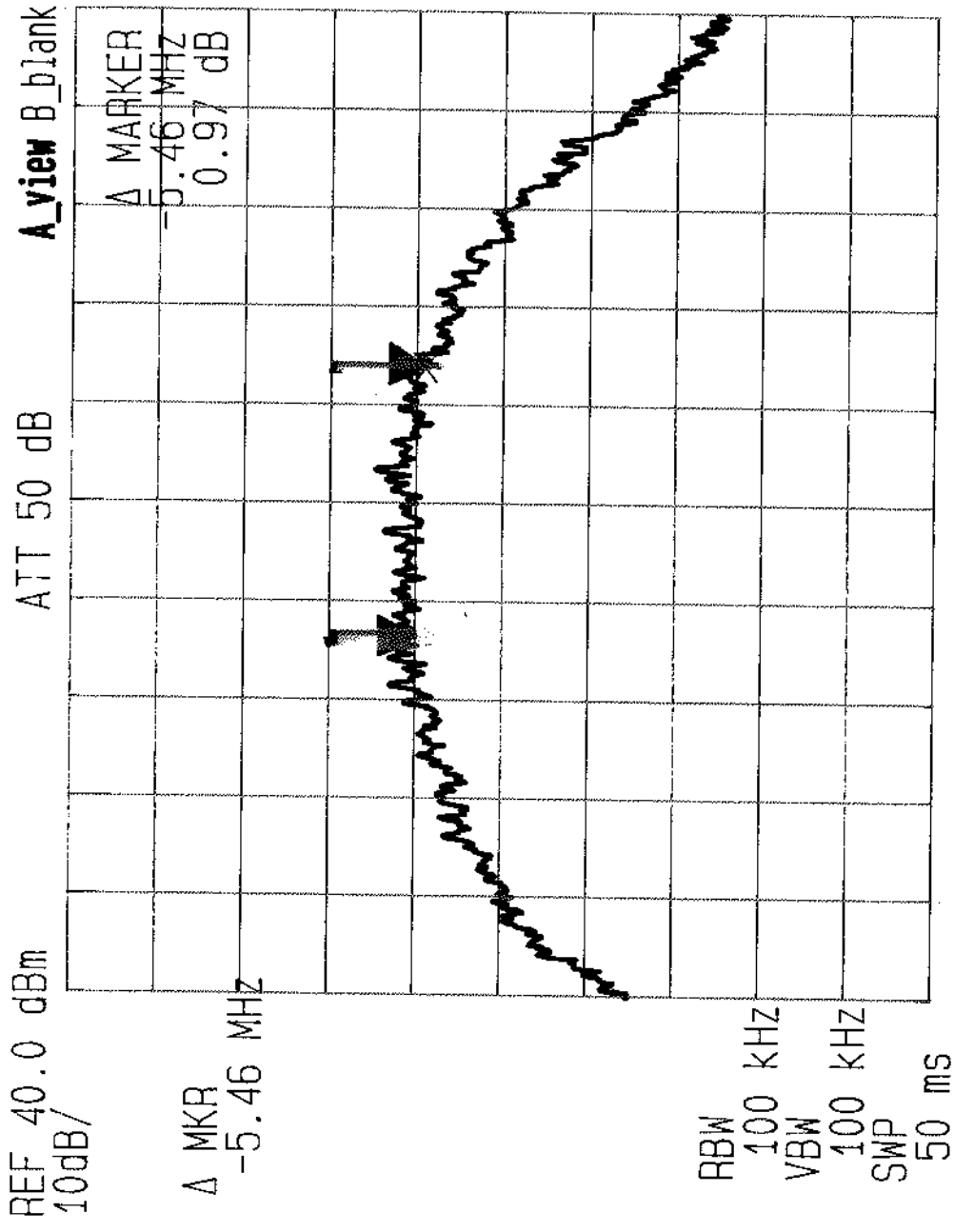
BANDWIDTH

FCC ID:AK8ERA-201D1



BANDWIDTH

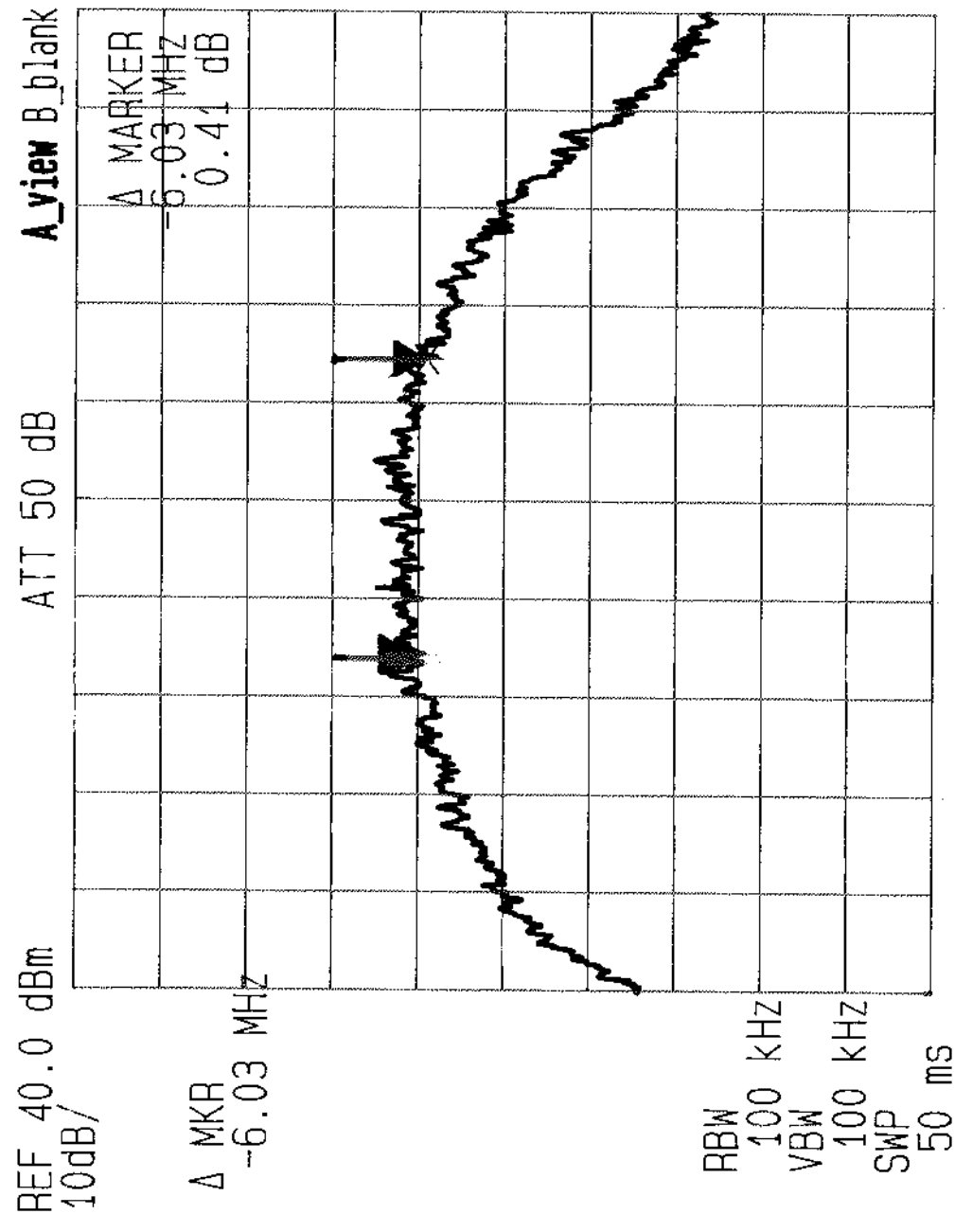
FCC ID:AK8ERA-201DI



START 2.42807 GHZ CH 6 STOP 2.44807 GHZ

BANDWIDTH

FCC ID: AK8ERA-201DI




CENTER 2.46293 GHZ CH 11 SPAN 20.00 MHz

## MAXIMUM PEAK OUT PUT POWER (RADIATED)

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation  
 TRADE NAME : SONY  
 EQUIPMENT : Wireless LAN Card  
 MODEL : ERA-201D1  
 POWER : DC3.3V  
 Mode : Ch1(Low)/Ch6(Mid)/Ch11(High)  
 Remarks : S/A (RBW=1MHz,VBW=1MHz)  
 DATE : 2000/ 9/21

REPORT NO : 21AE0018YW-1  
 REGULATION : FCC15.247(b)  
 TEST DISTANCE : 3m  
 ATTENUATOR : NONE  
 FCC ID : AK8ERA-201D1

  
 ENGINEER : Naoki.Sakamoto

Ch No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP Gain [dB]	Cable Loss [dB]	E		LIMIT [mW]	RESULT	
		HOR [dB/μV]	VER [dB/μV]				HOR [dB/μV]	VER [dB/μV]		HOR [mW]	VER [mW]
1	2.413	106.2	104.5	28.8	34.3	5.2	105.9	104.2	1000.0	11.8	8.0
6	2.4370	105.3	104.3	28.7	34.3	5.2	104.9	103.9	1000.0	9.3	7.4
11	2.4610	104.1	104.0	28.7	34.3	5.2	103.7	103.6	1000.0	7.0	6.9

SAMPLE CALCULATION :

E= S/A Reading + ANT Factor - AMP Gain + Cable Loss

RESULT = (E \* d)Squared / 30G

E : Converted to V/m

d : Test distance (3m)

G : Antenna gaine (1)

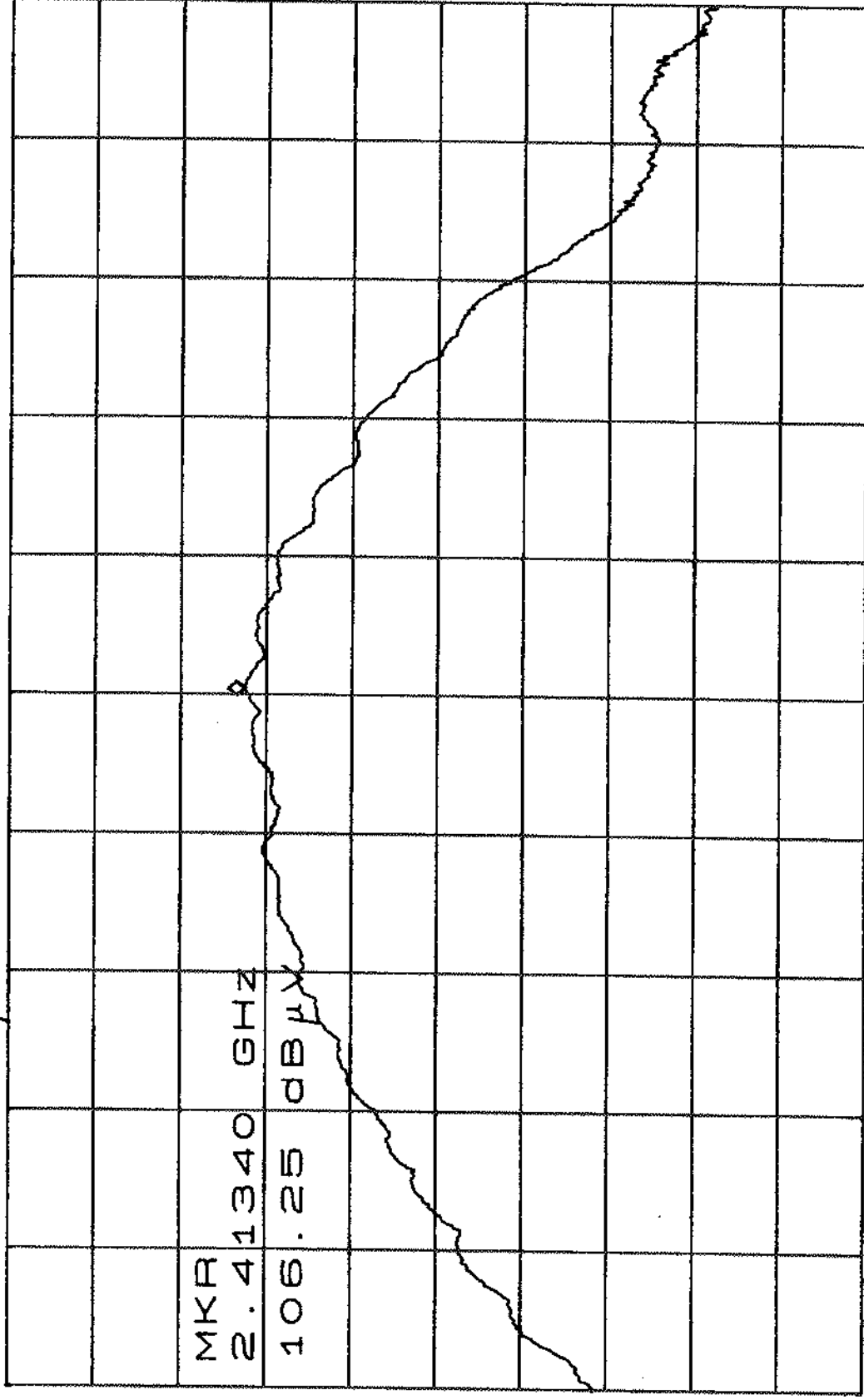
PEAK OUTPUT POWER

ATTEN 30dB

MKR 106.25dB  $\mu$ V

RL 120.0dB  $\mu$ V 5dB/

2.41340GHZ



0

CENTER 2.41333GHZ

SPAN 20.00MHZ

\*RBW 1.0MHZ

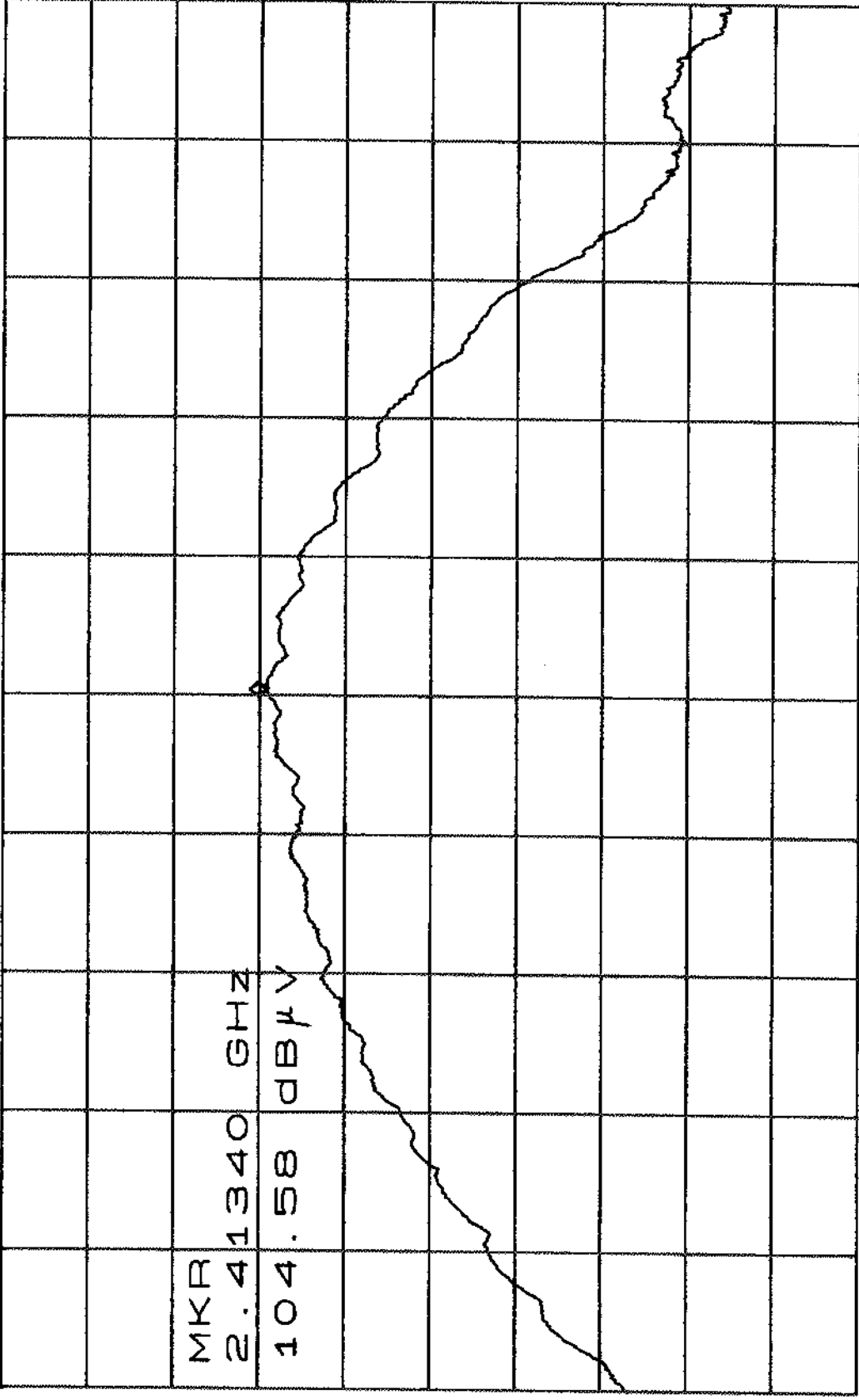
\*VBW 1.0MHZ

SWP 50MS

HOB CH. 1 A5

PEAK OUTPUT POWER

ATTN 30dB MKR 104.58dB $\mu$ V  
RL 120.0dB $\mu$ V 5dB/ 2.41340GHZ

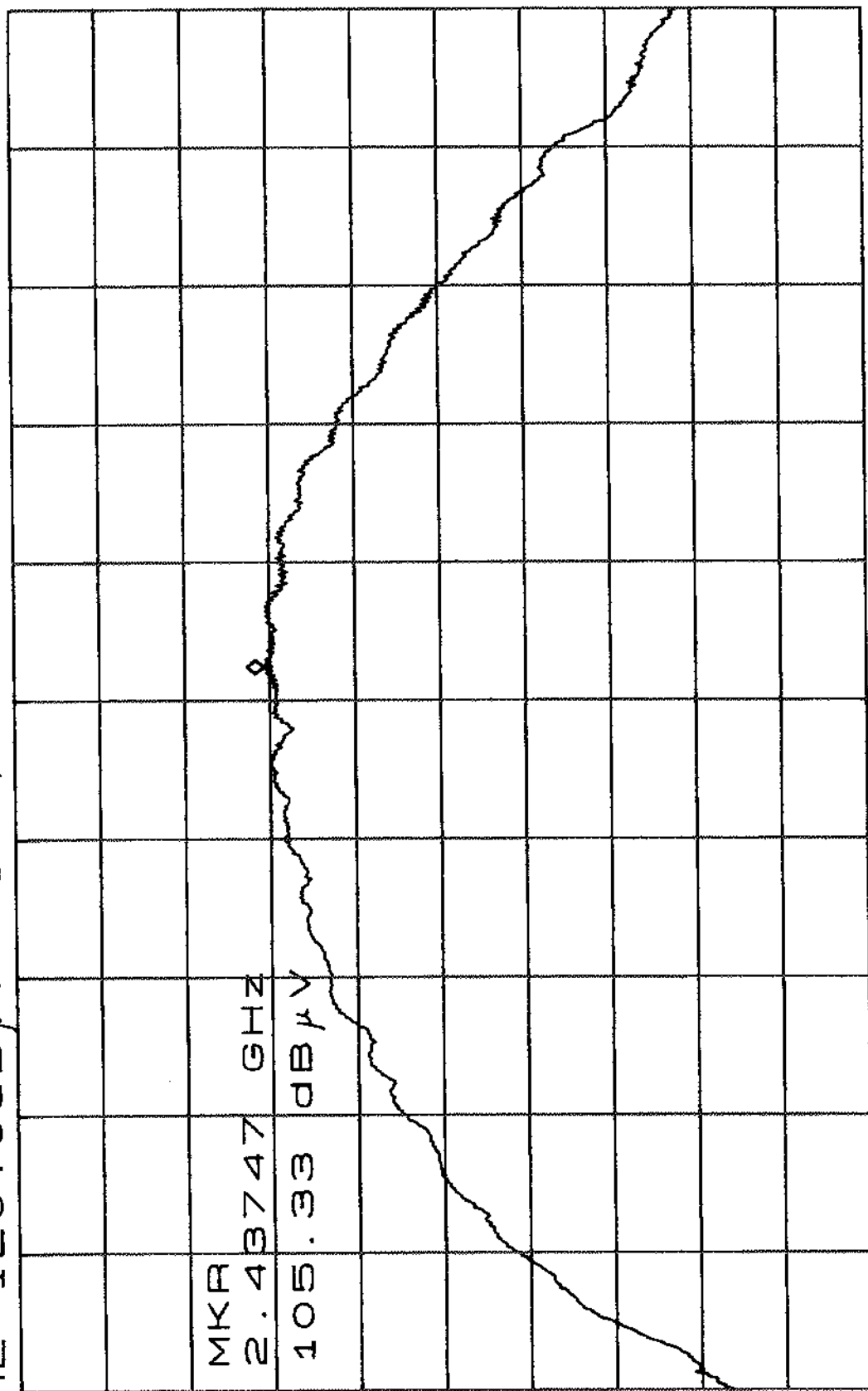


6

CENTER 2.41333GHZ SPAN 20.00MHZ  
\*RBW 1.0MHZ \*VBW 1.0MHZ SWP 50ms  
VEB CH. 1 A6

PEAK OUTPUT POWER

ATTEN 30dB MKR 105.33dB  $\mu$ V  
RL 120.0dB  $\mu$ V 5dB/ 2.43747GHZ



6

CENTER 2.43700GHZ SPAN 20.00MHZ  
\*RBW 1.0MHZ \*VBW 1.0MHZ SWP 50ms  
HOR CH. 6 A7

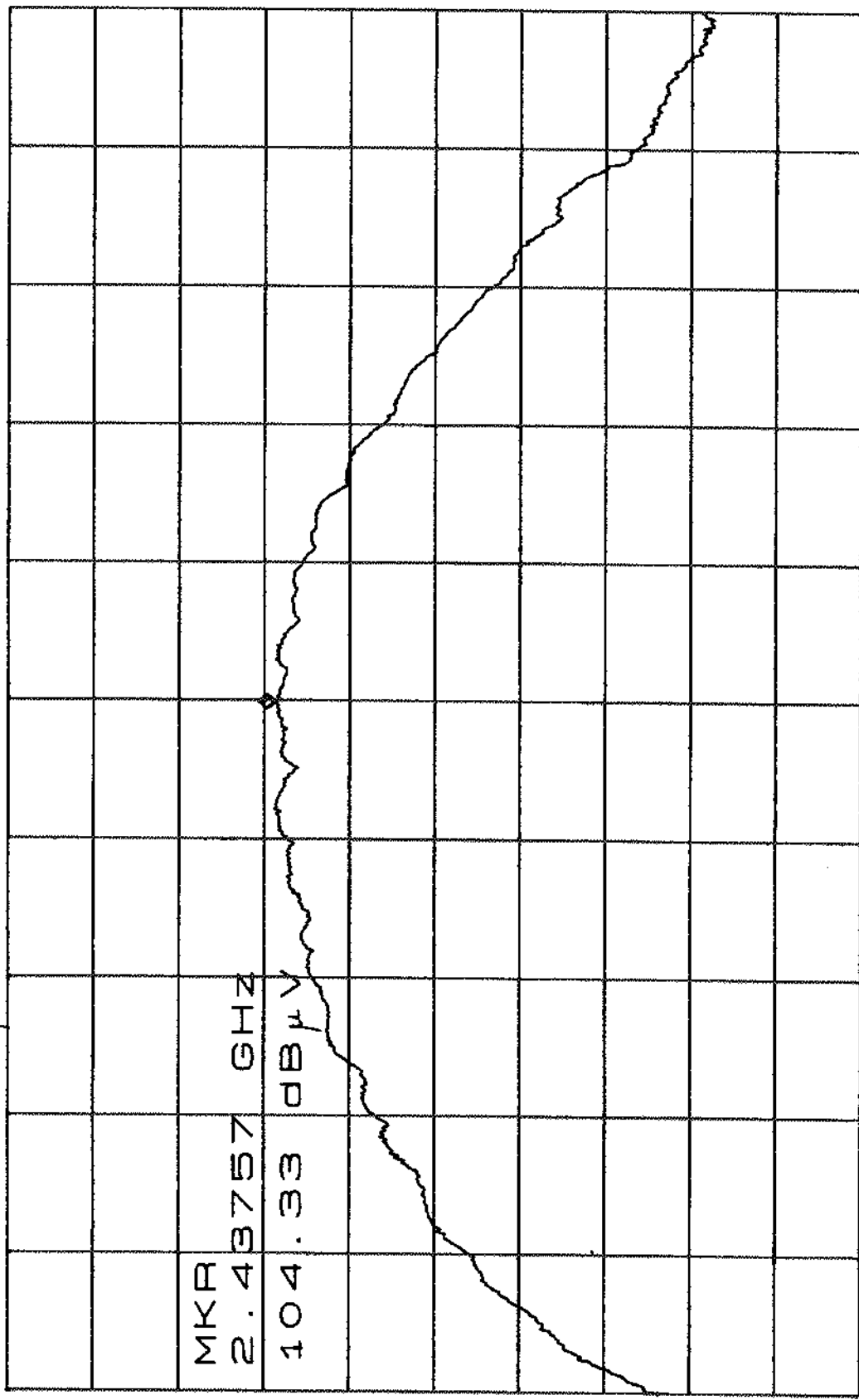
PEAK OUTPUT POWER

ATTEN 30dB MKR 104.33dB  $\mu$ V

RL 120.0dB  $\mu$ V 5dB/ 2.43757GHz

2.43757 GHz

104.33 dB  $\mu$ V



G

CENTER 2.43750GHZ

\*RBW 1.0MHZ

\*VBW 1.0MHZ

SPAN 20.00MHZ

SWP 50ms

VEB CH. 6

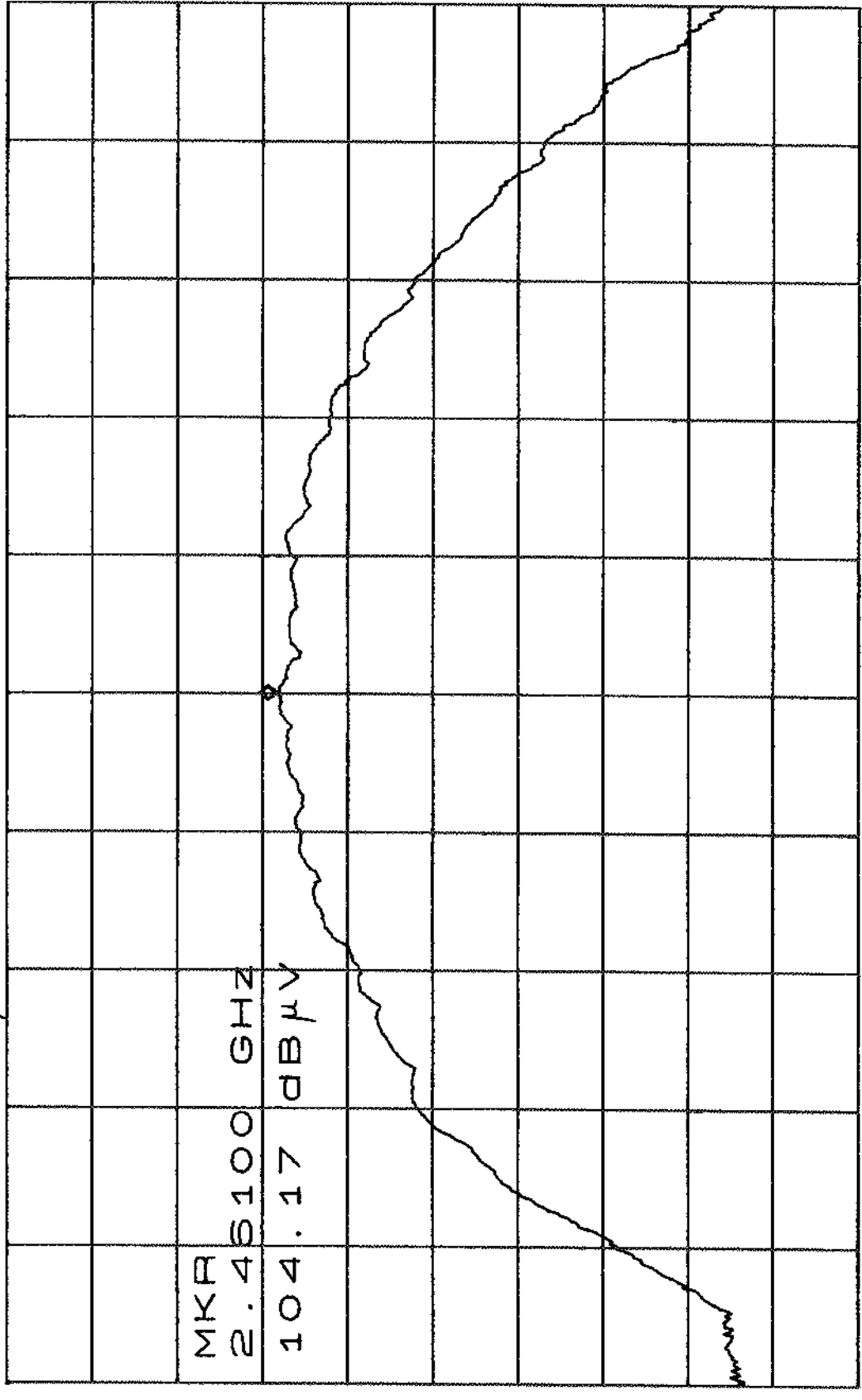
A8



PEAK OUTPUT POWER

ATTEN 30dB MKR 104.17dB  $\mu$ V

RL 120.0dB  $\mu$ V 5dB / 2.46100GHZ



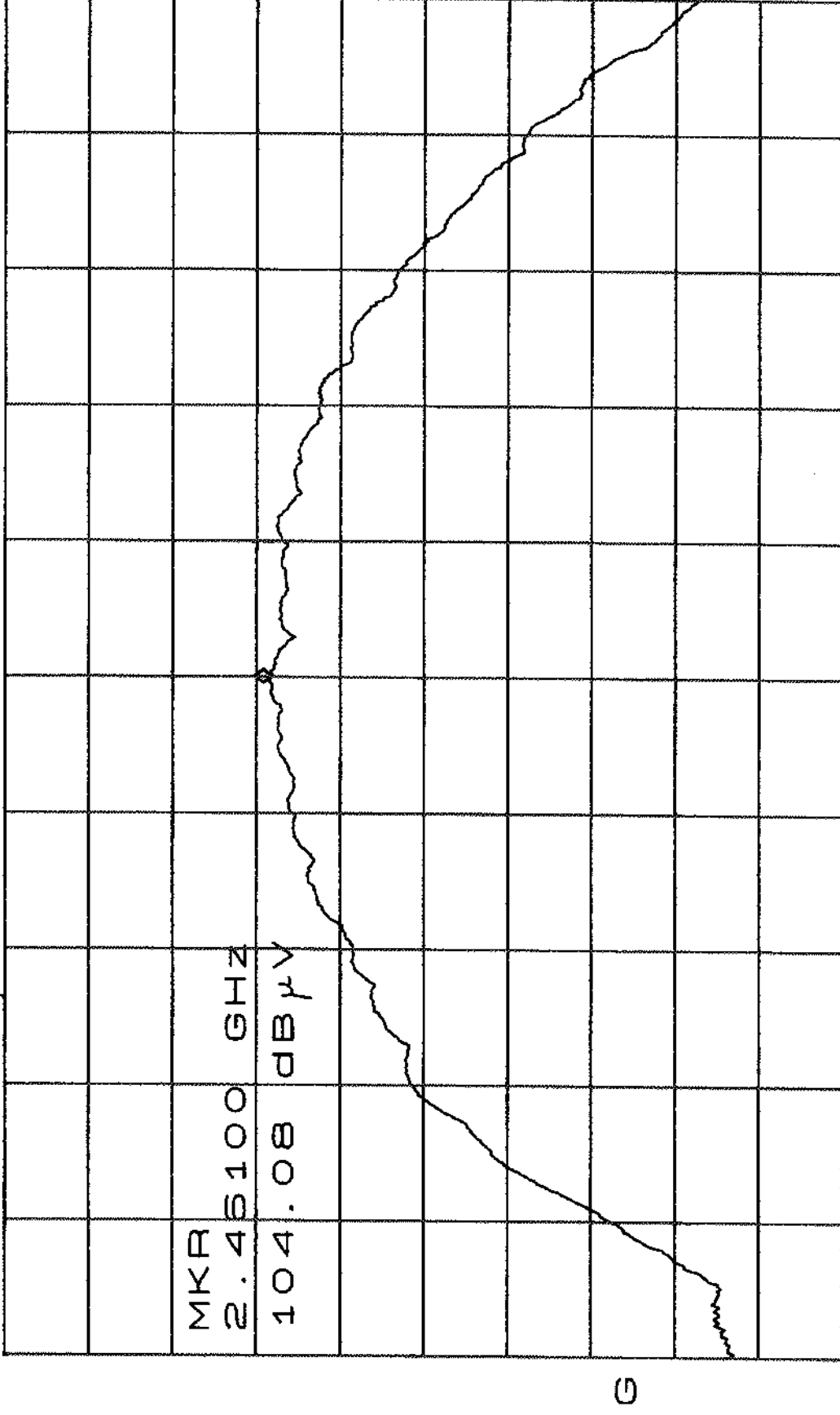
CENTER 2.46100GHZ SPAN 20.00MHZ

\*RBW 1.0MHZ \*VBW 1.0MHZ

HOR SWP 50ms  
CH. 11

PEAK OUTPUT POWER

ATTN 30dB MKR 104.08dB $\mu$ V  
RL 120.0dB $\mu$ V 5dB/ 2.46100GHZ



CENTER 2.46100GHZ SPAN 20.00MHZ  
\*RBW 1.0MHZ \*VBW 1.0MHZ SWP 50ms  
VER CH. 11 A10

## MAXIMUM PEAK OUT PUT POWER (CONDUCTED)

A-PEX INTERNATIONAL CO., LTD.  
 YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation  
 TRADE NAME : SONY  
 EQUIPMENT : Wireless LAN Card  
 MODEL : ERA-201D1  
 POWER : DC3.3V  
 Mode : Ch1(Low)/Ch6(Mid)/Ch11(High)  
 Remarks : S/A (RBW=3MHz,VBW=3MHz)  
 DATE : 2000/ 11/01

REPORT NO : 21AE0018YW-1  
 REGULATION : FCC15.247(b)  
 ATTENUATOR : NONE  
 FCC ID : AK8ERA-201D1

ENGINEER : Naoki.Sakamoto

Ch No.	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	RESULT [dBm]	LIMIT (1W) [dBm]	MARGIN [dB]
1	2.4128	14.6	2.4	17.0	30.0	13.0
6	2.4373	15.2	2.6	17.8	30.0	12.2
11	2.4624	15.4	2.7	18.1	30.0	11.9

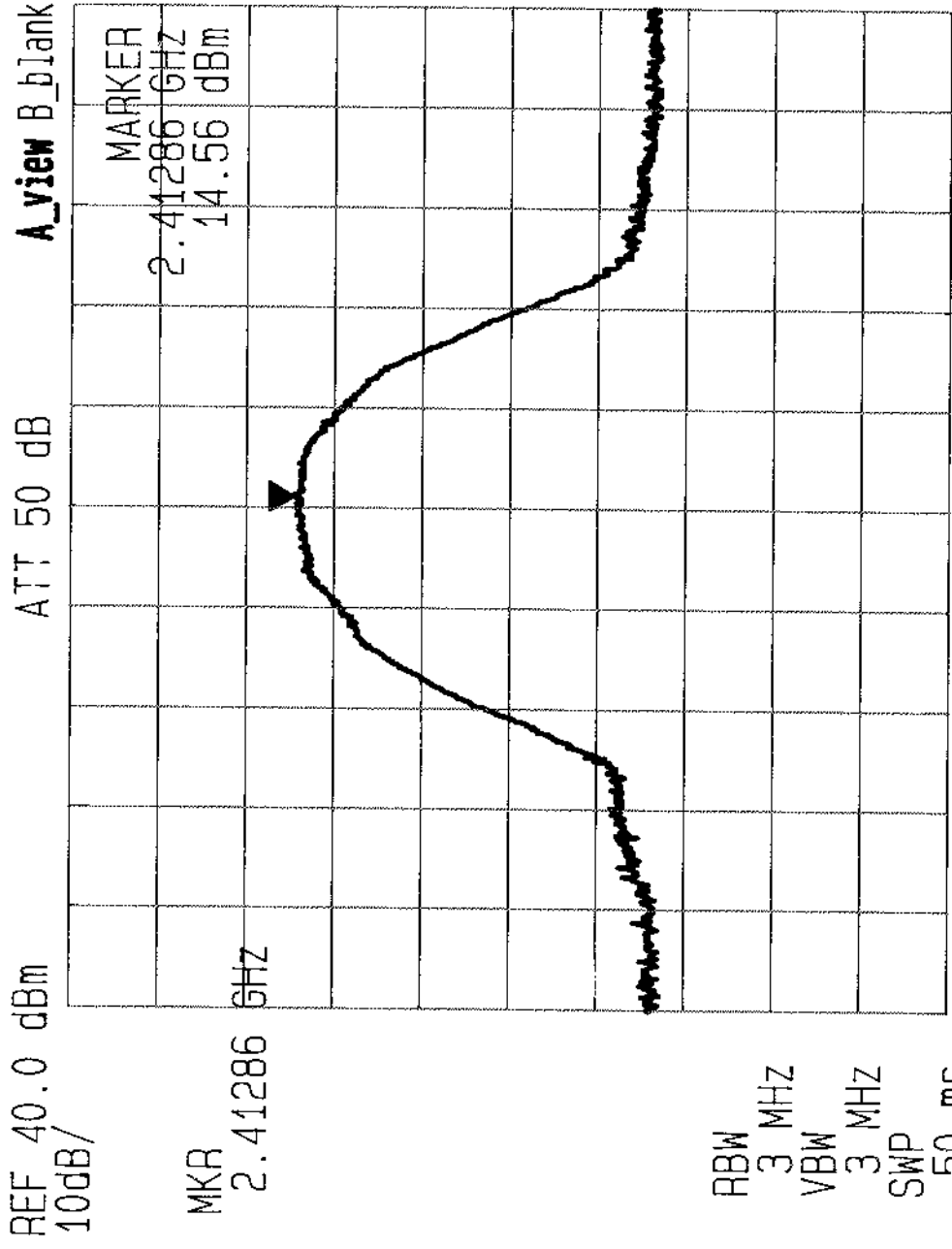
SAMPLE CALCULATION :

RESULT = S/A Reading + Cable Loss

**A 1 1**

MAXIMUM PEAK OUTPUT POWER

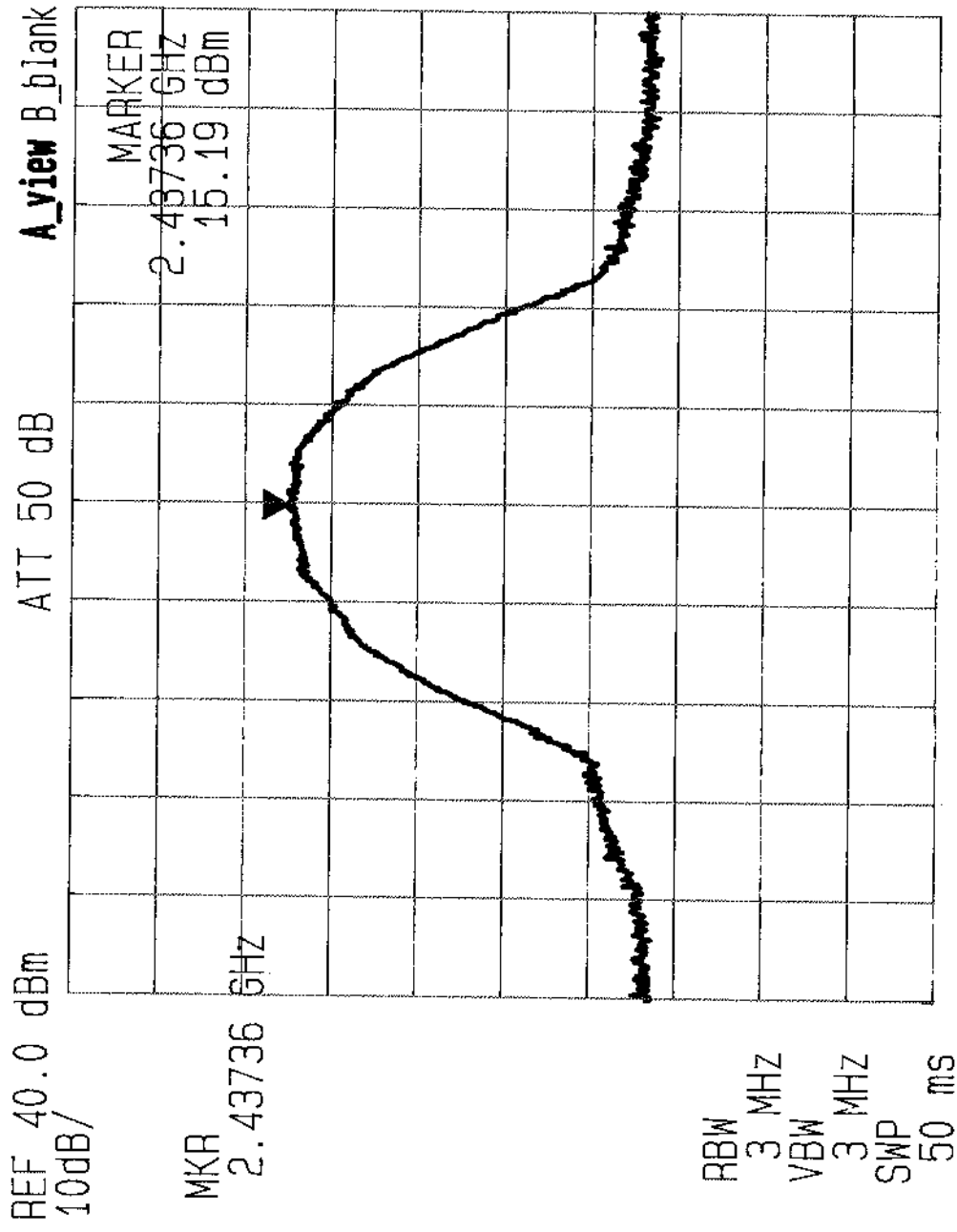
FCC ID:AK8ERA-201D1



CENTER 2.41236 GHz CH 1 SPAN 50.0 MHz

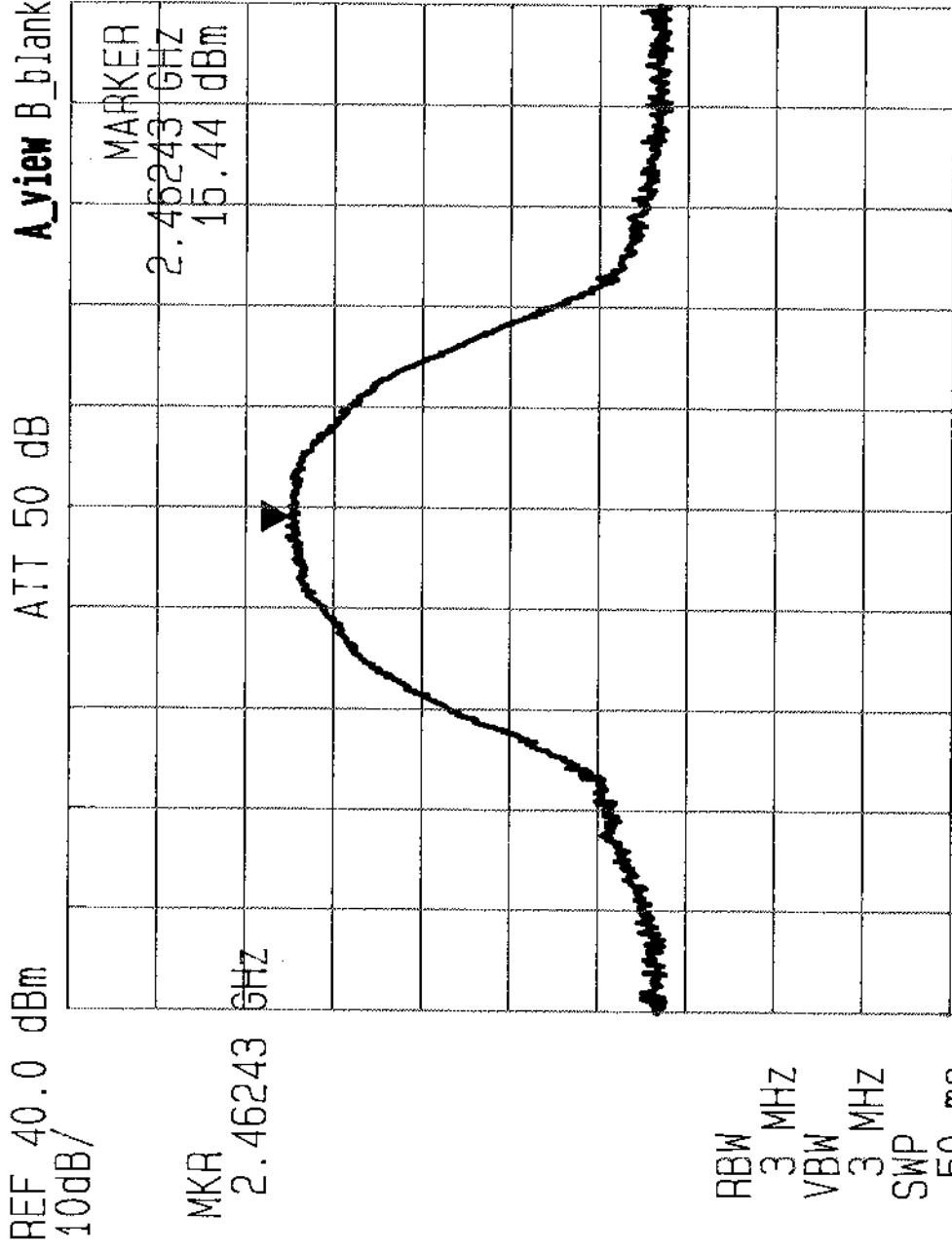
MAXIMUM PEAK OUTPUT POWER

FCC ID:AK8ERA-201D1



MAXIMUM PEAK OUTPUT POWER

FCC ID:AK8ERA-201D1



# DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 21AE0018-YW-1

Applicant : Sony Corporation  
 Kind of Equipment : Wireless LAN Card  
 Model No. : ERA-201D1  
 Serial No. : 1001  
 Power : DC3.3V  
 Mode : Transmitting(ch6)  
 Remarks : FCC ID : AK8ERA-201D1  
 Date : 9/20/2000  
 Test Distance : 3 m  
 Temperature : 28 °C  
 Humidity : 68 %  
 Regulation : FCC Part15B CLASS B

  
 Engineer : Naoki Sakamoto

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.	44.27	BB	23.4	35.6	13.1	28.3	2.0	5.9	16.1	28.3	40.0	23.9	11.7	
2.	59.92	BB	32.1	44.0	8.3	27.9	2.3	5.9	20.7	32.6	40.0	19.3	7.4	
3.	83.75	BB	29.6	41.7	7.0	27.6	2.8	5.9	17.7	29.8	40.0	22.3	10.2	
4.	119.99	BB	36.8	31.3	13.4	27.9	3.4	6.0	31.7	26.2	43.5	11.8	17.3	
5.	132.71	BB	31.5	35.2	14.2	27.8	3.6	5.9	27.4	31.1	43.5	16.1	12.4	
6.	147.44	BB	38.2	35.4	14.8	27.6	3.7	5.9	35.0	32.2	43.5	8.5	11.3	
7.	171.82	BB	34.9	32.9	15.6	27.5	4.1	5.9	33.0	31.0	43.5	10.5	12.5	
8.	250.66	BB	36.0	39.1	17.0	27.4	4.9	5.9	36.4	39.5	46.0	9.6	6.5	
9.	265.41	BB	35.4	39.1	17.8	27.5	5.1	6.0	36.8	40.5	46.0	9.2	5.5	
10.	324.39	BB	37.1	41.1	14.6	27.2	5.7	6.0	36.2	40.2	46.0	9.8	5.8	
11.	374.00	BB	33.3	37.1	15.3	27.5	6.2	5.9	33.2	37.0	46.0	12.8	9.0	
12.	393.21	BB	39.7	39.4	15.6	27.3	6.4	5.9	40.3	40.0	46.0	5.7	6.0	
13.	486.60	BB	36.0	35.8	17.0	27.3	7.4	6.0	39.1	38.9	46.0	6.9	7.1	
14.	509.99	BB	35.6	36.8	17.3	27.5	7.7	6.1	39.2	40.4	46.0	6.8	5.6	
15.	575.06	BB	31.4	35.2	18.0	27.2	8.2	6.1	36.5	40.3	46.0	9.5	5.7	
16.	578.00	BB	34.5	35.1	18.0	27.3	8.2	6.1	39.5	40.1	46.0	6.5	5.9	

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

All other emissions are more than 20dB below the limits.  
 ANT. TYPE:30-300MHz Biconical,300-1000MHz Logperiodic

# DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 21AE0018-YW-1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. : 1001  
Power : DC3.3V  
Mode : Receiving (ch6)  
Remarks : FCC ID : AK8ERA-201D1  
Date : 11/2/2000  
Test Distance : 3 m  
Temperature : 22 °C  
Humidity : 70 %  
Regulation : FCC Part15B CLASS B

  
Engineer : Naoki Sakamoto

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					HOR [dB μV/m]	VER	HOR [dB]	VER		
1.	60.21	BB	33.0	45.3	8.3	27.9	1.4	3.1	17.9	30.2	40.0	22.1	9.8	
2.	83.50	BB	29.1	40.9	7.0	27.6	1.7	3.1	13.3	25.1	40.0	26.7	14.9	
3.	120.00	BB	36.1	32.0	13.4	27.9	2.1	3.1	26.8	22.7	43.5	16.7	20.8	
4.	132.71	BB	31.5	35.2	14.2	27.8	2.2	3.1	23.2	26.9	43.5	20.3	16.6	
5.	147.50	BB	38.0	36.0	14.8	27.6	2.4	3.1	30.7	28.7	43.5	12.8	14.8	
6.	250.65	BB	36.0	38.8	17.0	27.4	3.2	3.1	31.9	34.7	46.0	14.1	11.3	
7.	374.00	BB	33.0	37.3	15.3	27.5	4.2	3.1	28.1	32.4	46.0	17.9	13.6	
8.	393.20	BB	39.1	39.8	15.6	27.3	4.2	3.1	34.7	35.4	46.0	11.3	10.6	
9.	486.60	BB	35.5	35.4	17.0	27.3	4.7	3.1	33.0	32.9	46.0	13.0	13.1	
10.	510.00	BB	35.5	36.3	17.3	27.5	4.8	3.2	33.3	34.1	46.0	12.7	11.9	
11.	575.05	BB	32.0	34.0	18.0	27.2	5.2	3.2	31.2	33.2	46.0	14.8	12.8	
12.	578.00	BB	34.3	34.8	18.0	27.3	5.2	3.2	33.4	33.9	46.0	12.6	12.1	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

All other emissions are more than 20dB below the limits.  
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic



DATA OF RADIATION TEST (1GHz-2.6GHz)A-PEX INTERNATIONAL  
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation  
 TRADE NAME : SONY  
 EQUIPMENT : Wireless LAN Card  
 MODEL : ERA-201D1  
 POWER : DC3.3V  
 Mode : Transmitting(Ch1/Ch6/Ch11)  
 DATE : 2000/11/02

REPORT NO : 21AE0018YW-1  
 REGULATION : FCC15.209  
 TEST DISTANCE : 3m  
 ATTENUATOR : NONE  
 FCC ID : AK8ERA-201D1

ENGINEER : Naoki Sakamoto

PK DETECT (S/A : RBW 1MHz and VBW 1MHz)

Ch No.	FREQ [GHz]	S/A READING(PK)		ANT Factor [dB]	CABLE LOSS [dB]	AMP Gain [dB]	RESULT		LIMIT (PK) [dB $\mu$ V]	MARGIN	
		HOR [dB $\mu$ V]	VER [dB $\mu$ V]				HOR [dB]	VER [dB]			
1	1.5886	56.0	55.0	25.6	4.2	34.4	51.4	50.4	74.0	22.6	23.6
1	4.8269	48.7	49.7	33.6	6.9	33.9	55.3	56.3	74.0	18.7	17.7
1	7.2372	49.5	47.8	36.5	8.9	34.6	60.3	58.6	74.0	13.7	15.4
1	9.6539	47.4	47.3	37.7	10.1	34.4	60.8	60.7	74.0	13.2	13.3
1	12.0672	43.3	43.0	38.5	11.7	34.8	58.7	58.4	74.0	15.3	15.6
*1	14.4720	-	-	42.1	14.6	33.2	-	-	74.0	-	-
*1	16.8851	-	-	43.3	16.0	33.3	-	-	74.0	-	-
*1	19.2963	-	-	40.2	16.9	33.4	-	-	74.0	-	-
*1	21.7088	-	-	40.3	17.5	33.0	-	-	74.0	-	-
*1	24.1232	-	-	40.3	19.8	33.2	-	-	74.0	-	-
6	1.5886	55.8	55.1	25.6	1.2	34.4	51.2	50.5	74.0	22.8	23.5
6	4.8749	48.5	48.8	33.9	6.9	33.9	55.4	55.7	74.0	18.6	18.3
6	7.3124	47.1	47.0	36.4	9.0	34.6	57.9	57.8	74.0	16.1	16.2
6	9.7499	47.0	47.2	37.8	9.2	34.5	59.5	59.7	74.0	14.5	14.3
6	12.1873	44.0	43.5	38.7	11.8	34.7	59.8	59.3	74.0	14.2	14.7
*6	14.6222	-	-	42.1	14.6	33.2	-	-	74.0	-	-
*6	17.0613	-	-	43.3	16.1	33.3	-	-	74.0	-	-
*6	19.4959	-	-	40.2	17.0	33.4	-	-	74.0	-	-
*6	21.9330	-	-	40.3	17.5	33.0	-	-	74.0	-	-
*6	24.3723	-	-	40.3	19.8	33.2	-	-	74.0	-	-
11	1.5886	55.9	55.0	25.6	4.2	34.4	51.3	50.4	74.0	22.7	23.6
11	4.9240	48.4	47.9	34.0	7.0	33.9	55.5	55.0	74.0	18.5	19.0
11	7.3830	47.8	48.1	35.2	9.0	34.6	57.4	57.7	74.0	16.6	16.3
11	9.8480	47.5	47.6	37.7	9.2	34.5	59.9	60.0	74.0	14.1	14.0
11	12.3101	43.8	44.0	38.6	11.8	34.8	59.4	59.6	74.0	14.6	14.4
*11	14.7717	-	-	42.1	14.6	33.2	-	-	74.0	-	-
*11	17.2344	-	-	43.3	16.3	33.3	-	-	74.0	-	-
*11	19.6965	-	-	40.2	17.0	33.4	-	-	74.0	-	-
*11	22.1582	-	-	40.3	17.5	33.0	-	-	74.0	-	-
*11	24.6204	-	-	40.3	19.8	33.2	-	-	74.0	-	-

## SAMPLE CALCULATION :

RESULT= S/A READING + ANT Factor + Cable Loss - AMP Gain

Except for the above table : All other spurious emissions are more than 20dB below the limit.

\* Emissions did not detect.

DATA OF RADIATION TEST (1GHz-26GHz)A-PEX INTERNATIONAL  
YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation  
 TRADE NAME : SONY  
 EQUIPMENT : Wireless LAN Card  
 MODEL : ERA-201D1  
 POWER : DC3.3V  
 Mode : Transmitting(Ch1/Ch6/Ch11)  
 DATE : 2000/11/02

REPORT NO : 21AE0018YW-1  
 REGULATION : FCC15.209  
 TEST DISTANCE : 3m  
 ATTENUATOR : NONE  
 FCC ID : AK8ERA-201D1

ENGINEER : Naoki.Sakamoto

AV DETECT (S/A : RBW 1MHz and VBW 10Hz)

Ch No.	FREQ [GHz]	S/A READING(AV)		ANT Factor [dB]	CABLE LOSS [dB]	AMP. Gain [dB]	RESULT		LIMIT (PK) [dB/μV]	MARGIN	
		HOR [dB/μV]	VER [dB/μV]				HOR [dB/μV]	VER [dB/μV]		HOR [dB]	VER [dB]
1	1.5888	42.7	41.3	25.6	4.2	34.4	38.1	36.7	54.0	15.9	17.3
1	4.8270	40.7	42.1	33.6	6.9	33.9	47.3	48.7	51.0	6.7	5.3
1	7.2372	39.7	38.4	36.5	8.9	34.6	50.5	49.2	54.0	3.5	4.8
1	9.6541	37.1	37.0	37.7	10.1	34.4	50.5	50.4	51.0	3.5	3.6
1	12.0673	34.1	33.3	38.5	11.7	34.8	49.5	48.7	51.0	4.5	5.3
*1	14.4720	-	-	42.1	14.6	33.2	-	-	54.0	-	-
*1	16.8851	-	-	43.3	16.0	33.3	-	-	51.0	-	-
*1	19.2963	-	-	40.2	16.9	33.4	-	-	54.0	-	-
*1	21.7088	-	-	40.3	17.5	33.0	-	-	51.0	-	-
*1	24.1232	-	-	40.3	19.8	33.2	-	-	54.0	-	-
6	1.5888	42.6	41.0	25.6	4.2	31.1	38.0	36.4	51.0	16.0	17.6
6	4.8750	41.0	41.7	33.9	6.9	33.9	47.9	48.6	54.0	6.1	5.4
6	7.3124	38.2	38.1	36.4	9.0	34.6	49.0	48.9	54.0	5.0	5.1
6	9.7500	36.9	36.8	37.8	9.2	34.5	49.4	49.3	54.0	4.6	4.7
6	12.1873	33.8	33.5	38.7	11.8	34.7	49.6	49.3	54.0	4.4	4.7
*6	14.6222	-	-	42.1	14.6	33.2	-	-	51.0	-	-
*6	17.0613	-	-	43.3	16.1	33.3	-	-	54.0	-	-
*6	19.4959	-	-	40.2	17.0	33.4	-	-	54.0	-	-
*6	21.9330	-	-	40.3	17.5	33.0	-	-	54.0	-	-
*6	24.3723	-	-	40.3	19.8	33.2	-	-	54.0	-	-
11	1.5888	42.8	41.4	25.6	4.2	34.4	38.2	36.8	54.0	15.8	17.2
11	4.9240	40.8	41.1	34.0	7.0	33.9	47.9	48.2	54.0	6.1	5.8
11	7.3830	39.0	38.5	35.2	9.0	34.6	48.6	48.1	54.0	5.4	5.9
11	9.8482	37.0	36.7	37.7	9.2	34.5	49.4	49.1	51.0	4.6	4.9
11	12.3104	33.3	33.6	38.6	11.8	34.8	48.9	49.2	54.0	5.1	4.8
*11	14.7717	-	-	42.1	14.6	33.2	-	-	54.0	-	-
*11	17.2344	-	-	43.3	16.3	33.3	-	-	54.0	-	-
*11	19.6965	-	-	40.2	17.0	33.4	-	-	54.0	-	-
*11	22.1582	-	-	40.3	17.5	33.0	-	-	54.0	-	-
*11	24.6204	-	-	40.3	19.8	33.2	-	-	54.0	-	-

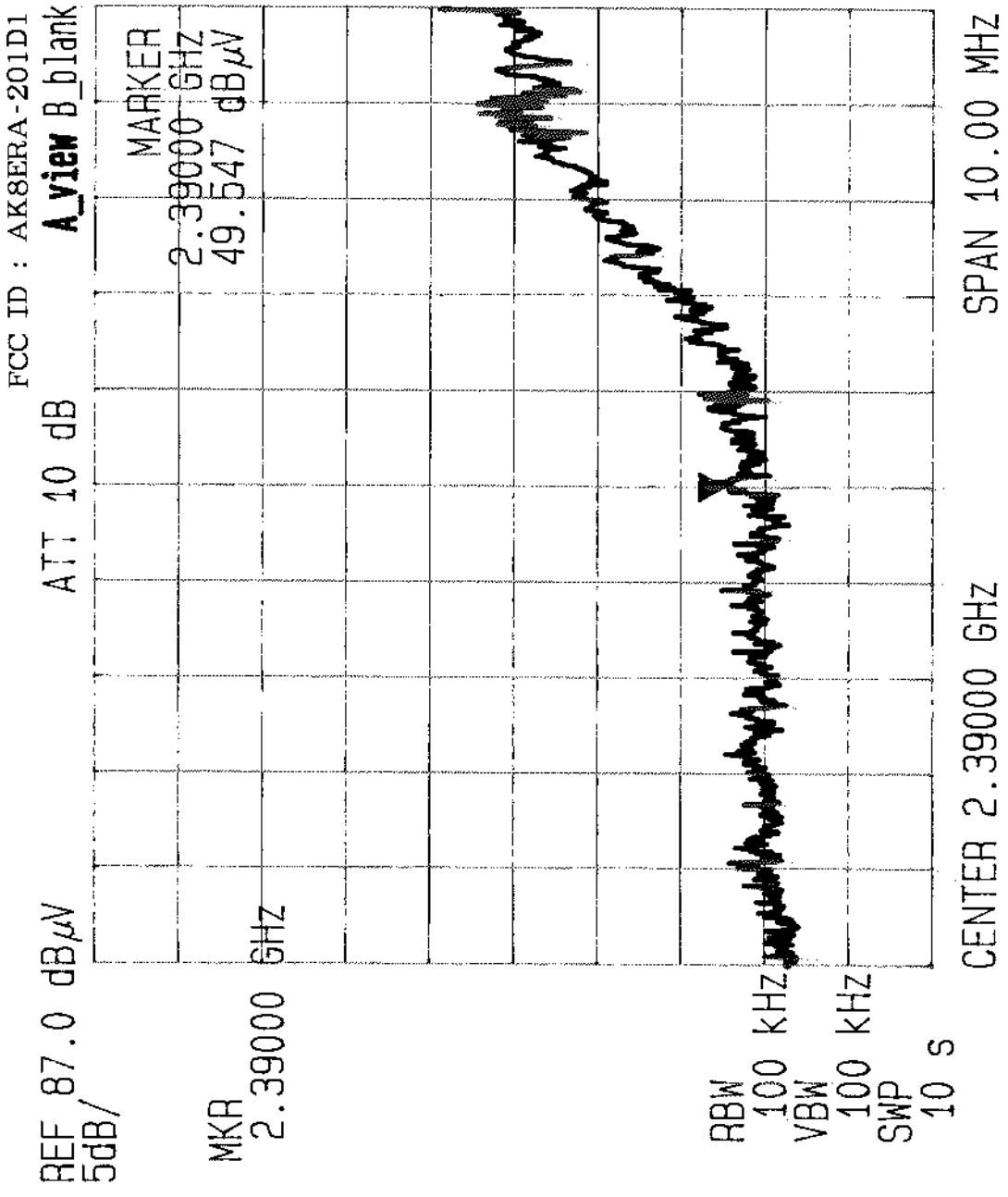
## SAMPLE CALCULATION :

RESULT= S/A READING + ANT Factor + Cable Loss - AMP Gain

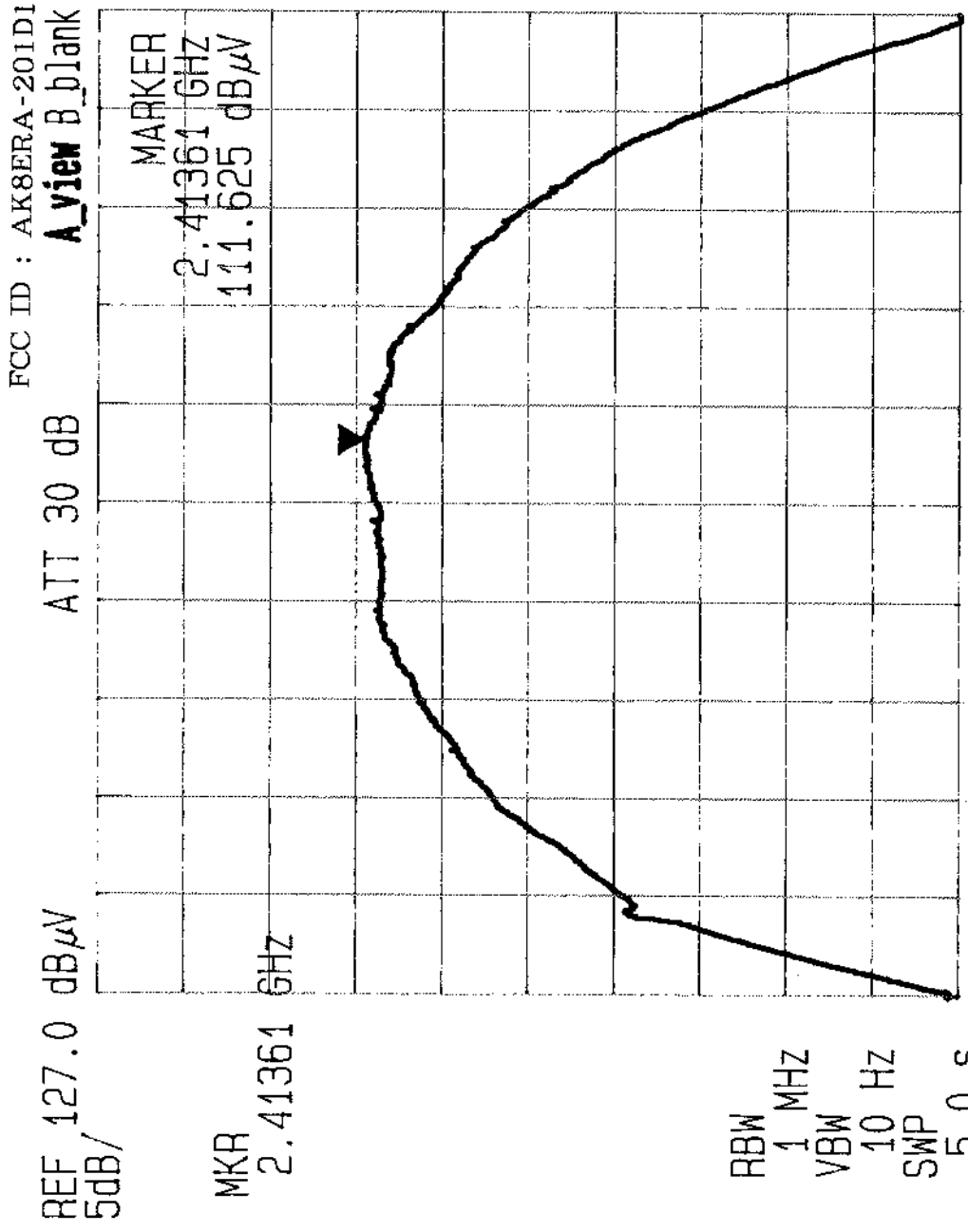
Except for the above table : All other spurious emissions are more than 20dB below the limit.

\* Emissions did not detect.

# OUT OF BAND-BAND EDGES



# OUT OF BAND(CARRIER LEVEL)

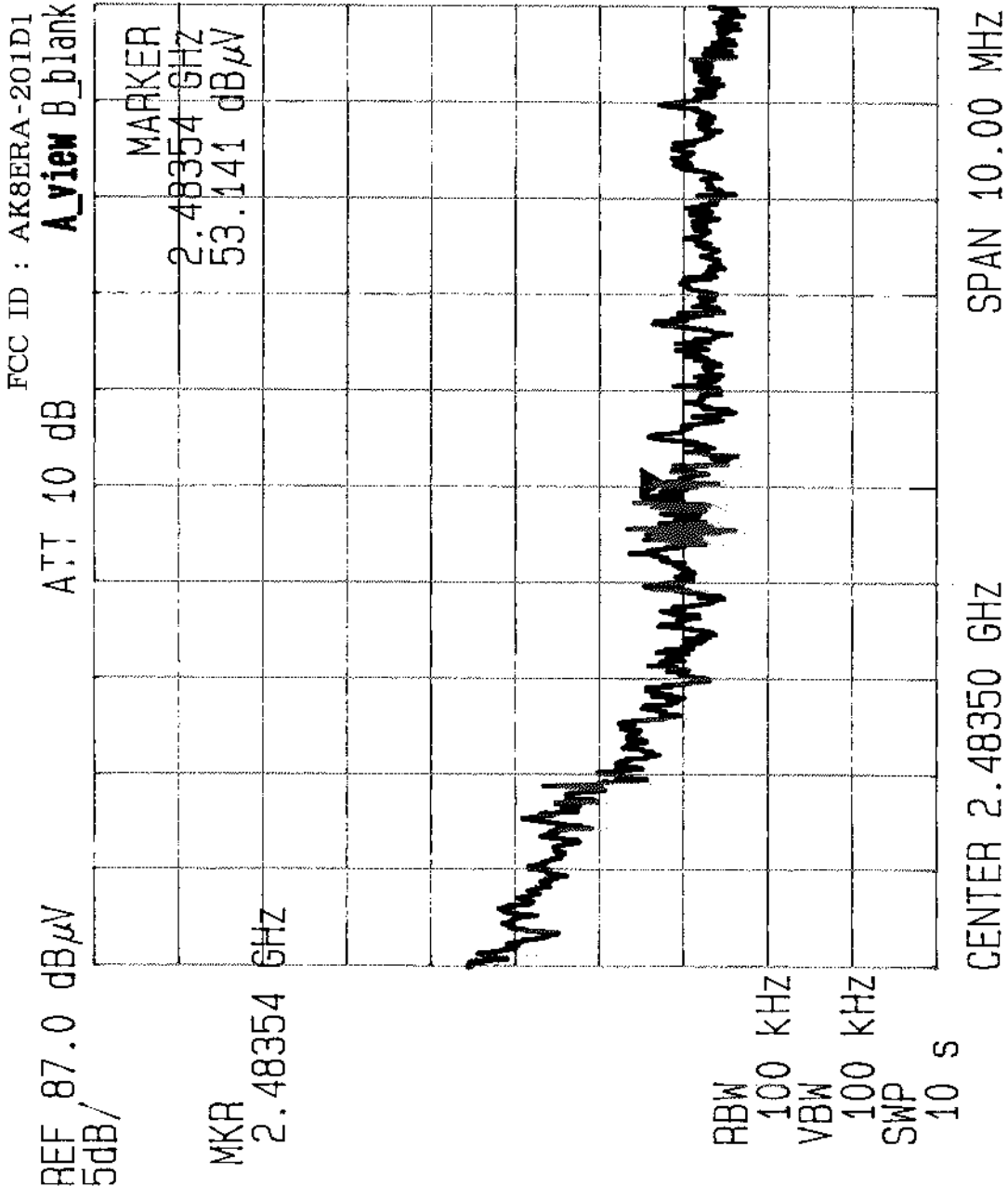


CENTER 2.41233 GHz SPAN 20.00 MHz

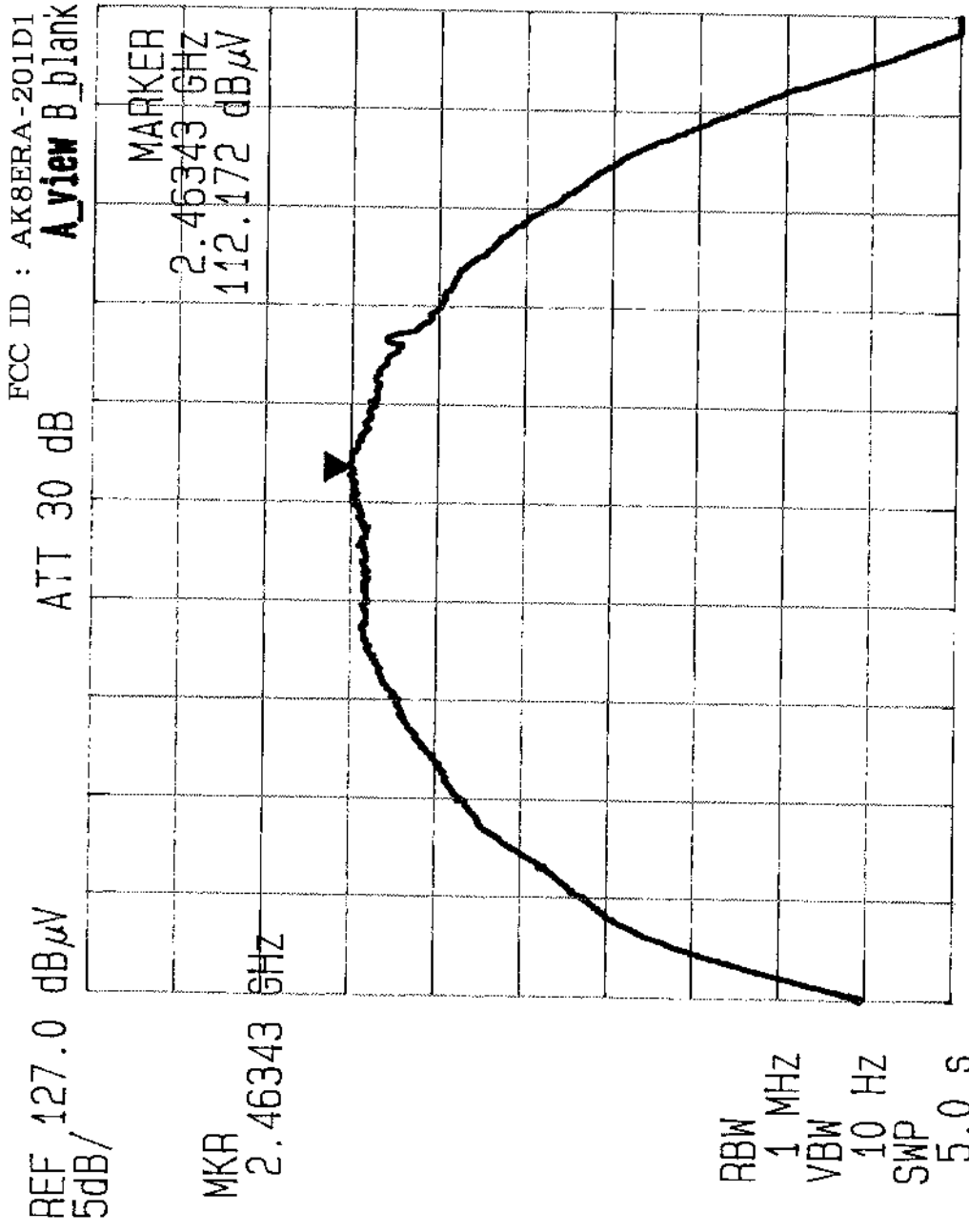
CH 1

A20

# OUT OF BAND-BAND EDGES



# OUT OF BAND(CARRIER LEVEL)



CENTER 2.46271 GHz SPAN 20.00 MHz

## POWER DENSITY (CONDUCTED)

A-PEX INTERNATIONAL CO., LTD.  
 YOKOWA NO.3 OPEN SITE

COMPANY : Sony Corporation  
 TRADE NAME : SONY  
 EQUIPMENT : Wireless LAN Card  
 MODEL : ERA-201D1  
 POWER : DC3.3V  
 Mode : Ch1(Low)/Ch6(Mid)/Ch11(High)  
 Remarks : S/A (RBW=3kHz, VBW=10kHz)  
 DATE : 2000/ 11/01

REPORT NO : 21AE0018YW-1  
 REGULATION : FCC15.247(d)  
 ATTENUATOR : NONE  
 FCC ID : AK8ERA-201D1

ENGINEER : Naoki.Sakamoto

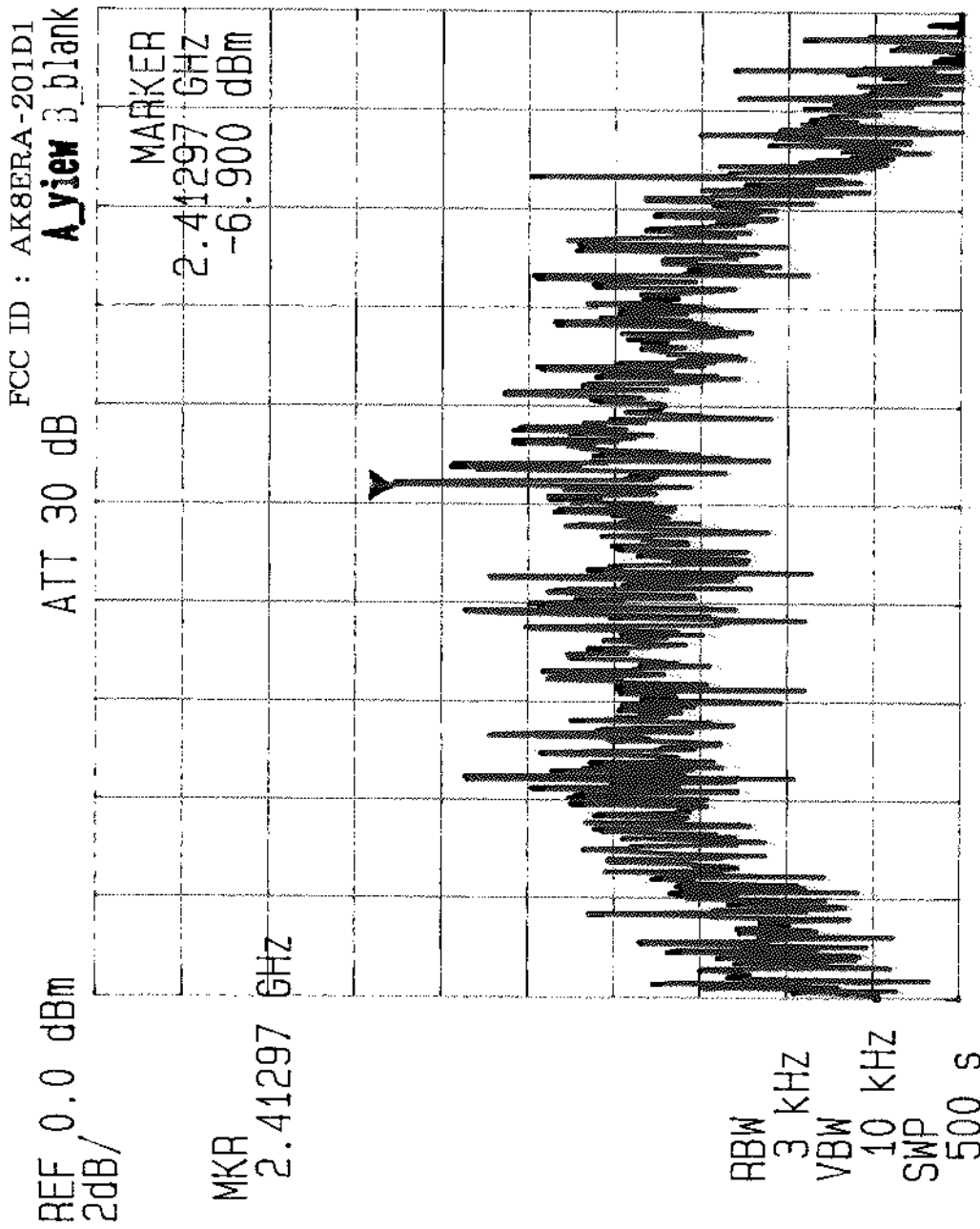
Ch No.	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	RESULT [dBm]	LIMIT [dBm]	MARGIN [dB]
1	2.4130	-6.9	2.4	-4.5	8.0	12.5
6	2.4380	-6.7	2.6	-4.1	8.0	12.1
11	2.4630	-7.0	2.7	-4.3	8.0	12.3

SAMPLE CALCULATION :

RESULT = S/A Reading + Cable Loss

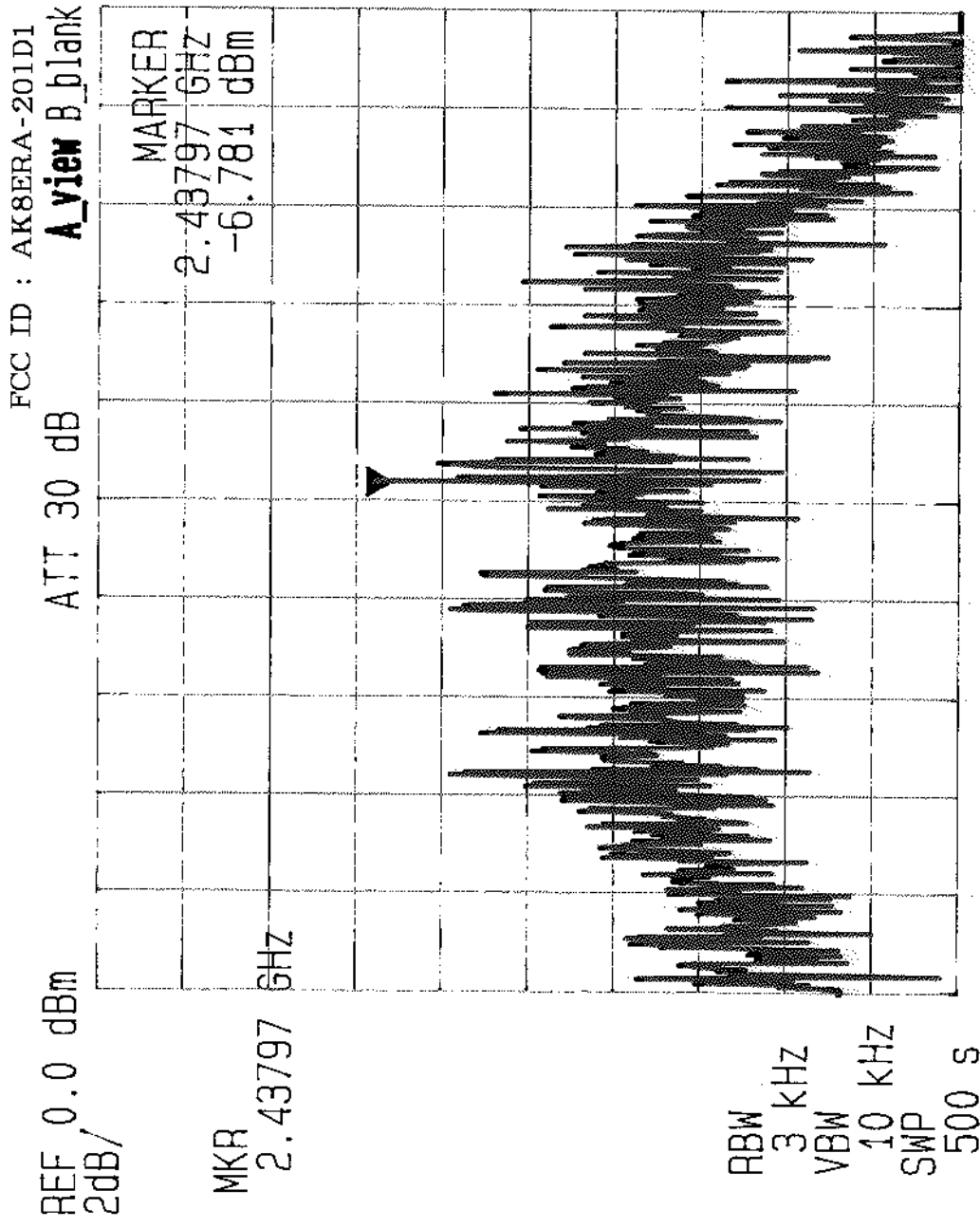
**A23**

# POWER DENSITY





# POWER DENSITY



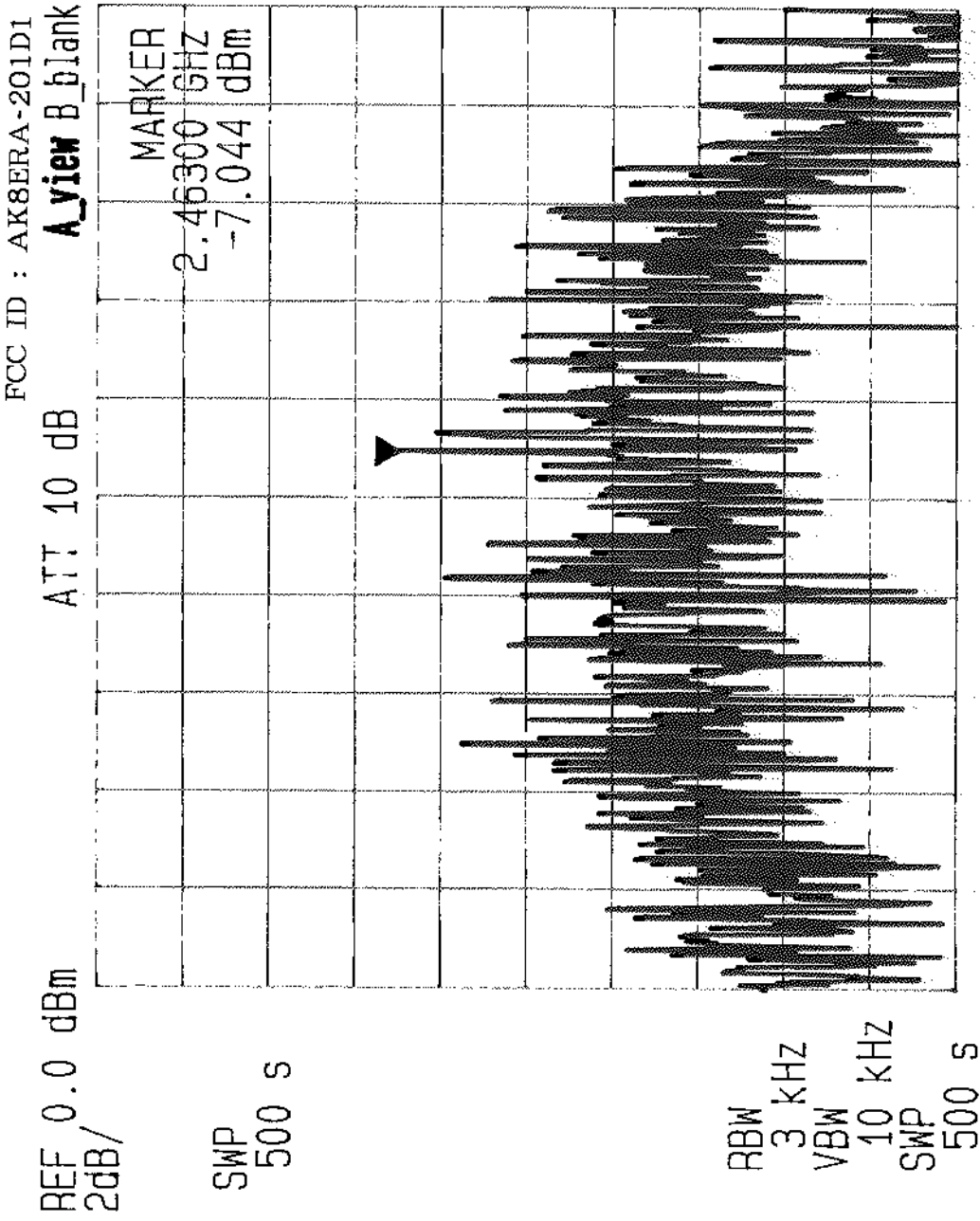
CENTER 2.43779 GHz

SPAN 10.00 MHz

**A25**

CH 6

# POWER DENSITY



CENTER 2.46253 GHz SPAN 10.00 MHz

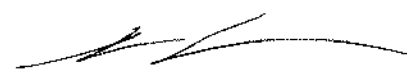
A26

CH 11

# DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
 YOKOWA No.2 OPEN TEST SITE  
 Report No. : 21AE0018-YW-1  
 FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
 Kind of Equipment : Wireless LAN Card  
 Model No. : ERA-201D1  
 Serial No. :  
 Power : DC3.3V (PC:AC120V/60Hz)  
 Mode : Transmitting  
 Remarks : ch6 (Mid)  
 Date : 11/1/2000  
 Phase : Single Phase  
 Temperature : 21 °C  
 Humidity : 67 %  
 Regulation : FCC Part15B CLASS B

  
 \_\_\_\_\_  
 Engineer : Naoki Sakamoto

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR	CABLE LOSS	ATTEN. [dBuV]	RESULT		LIMITS		MARGIN	
		QP [dBuV]	AV	QP [dBuV]	AV				QP [dBuV]	AV	QP [dBuV]	AV	QP [dBuV]	AV
1.	0.4892	34.5	-	34.6	-	0.1	0.2	0.0	34.9	-	48.0	0.0	13.1	-
2.	0.6527	34.6	-	34.8	-	0.1	0.2	0.0	35.1	-	48.0	0.0	12.9	-
3.	1.1428	28.7	-	29.1	-	0.1	0.2	0.0	29.4	-	48.0	0.0	18.6	-
4.	4.8922	31.7	-	28.1	-	0.3	0.4	0.0	32.4	-	48.0	0.0	15.6	-
5.	5.9461	33.1	-	33.9	-	0.4	0.4	0.0	34.7	-	48.0	0.0	13.3	-
6.	10.4392	25.0	-	29.0	-	0.7	0.5	0.0	30.2	-	48.0	0.0	17.8	-
7.	21.3674	26.0	-	27.8	-	1.3	0.7	0.0	29.8	-	48.0	0.0	18.2	-
8.	24.9521	26.0	-	27.0	-	1.5	0.8	0.0	29.3	-	48.0	0.0	18.7	-

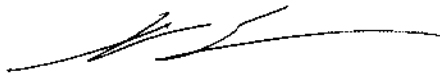
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

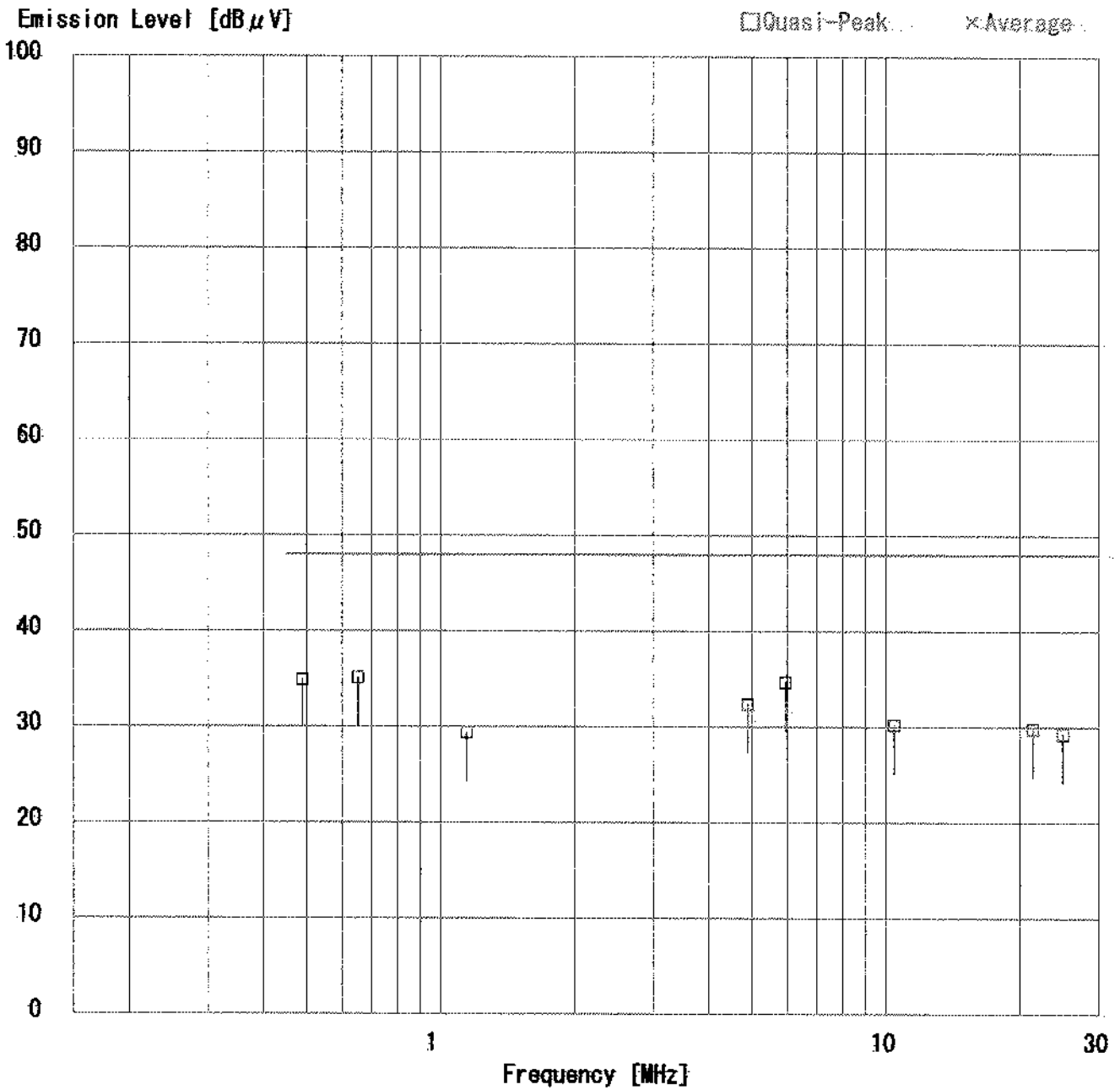
Except for the above table: adequate margin data below the limits.

# DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA No.2 OPEN TEST SITE  
Report No. : 21AE0018-YW-1  
FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. :  
Power : DC3.3V (PC: AC120V/60Hz)  
Mode : Transmitting  
Remarks : ch6 (Mid)  
Date : 11/1/2000  
Phase : Single Phase  
Temperature : 21 °C  
Humidity : 67 %  
Regulation : FCC Part15B CLASS B

  
Engineer : Naoki Sakamoto



# DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.2 OPEN TEST SITE

Report No. : 21AE0018-YW-1

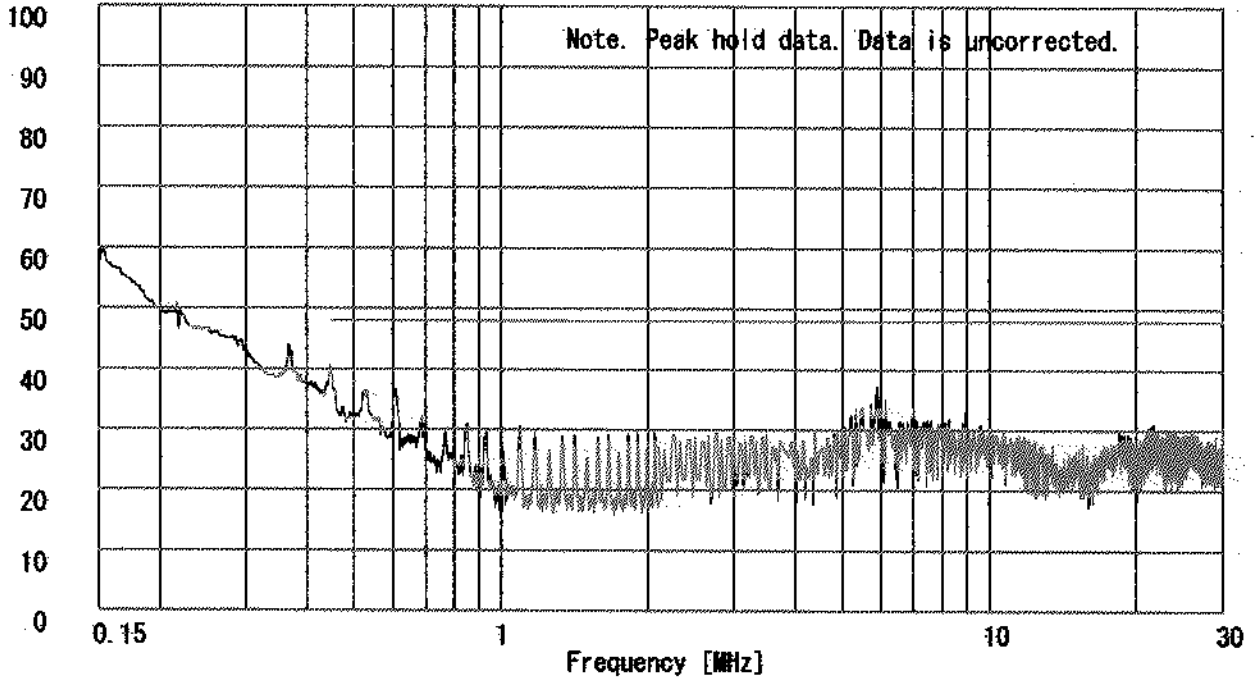
FCC ID:AKBERA-201D1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. :  
Power : DC3.3V (PG:AC120V/60Hz)  
Mode : Transmitting  
Remarks : ch6 (Mid)  
Date : 11/1/2000  
Phase : Single Phase  
Temperature : 21 °C  
Humidity : 67 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Naoki Sakamoto

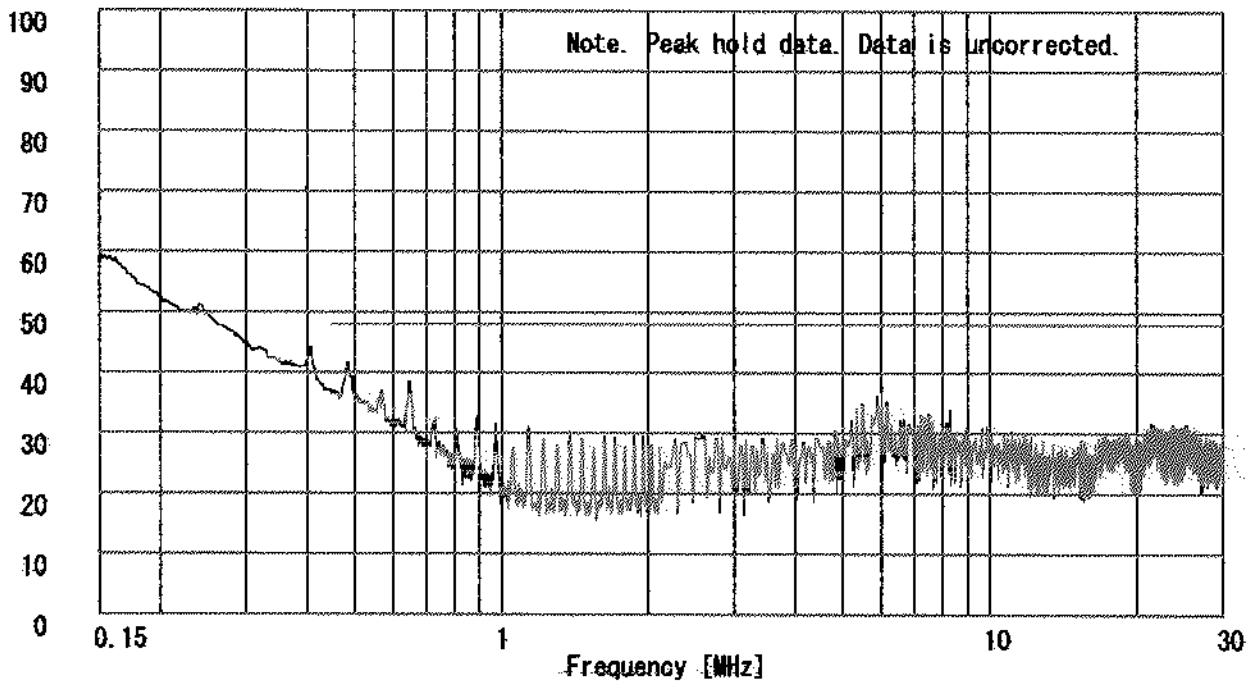
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
 YOKOWA No.2 OPEN TEST SITE  
 Report No. : 21AE0018-YW-1  
 FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
 Kind of Equipment : Wireless LAN Card  
 Model No. : ERA-201D1  
 Serial No. :  
 Power : DC3.3V(PC:AC120V/60Hz)  
 Mode : Receiving  
 Remarks : ch6(Mid)  
 Date : 11/1/2000  
 Phase : Single Phase  
 Temperature : 21 °C  
 Humidity : 67 %  
 Regulation : FCC Part15B CLASS B

Engineer : Naoki Sakamoto

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dBuV]	CABLE LOSS [dBuV]	ATTEN. [dBuV]	RESULT		LIMITS		MARGIN	
		QP [dBuV]	AV	QP [dBuV]	AV				QP [dBuV]	AV	QP [dBuV]	AV	QP [dBuV]	AV
1.	0.4887	34.3	-	34.7	-	0.1	0.2	0.0	35.0	-	48.0	0.0	13.0	-
2.	0.6517	34.4	-	34.8	-	0.1	0.2	0.0	35.1	-	48.0	0.0	12.9	-
3.	1.1408	28.5	-	29.4	-	0.1	0.2	0.0	29.7	-	48.0	0.0	18.3	-
4.	4.8903	27.6	-	27.5	-	0.3	0.4	0.0	28.3	-	48.0	0.0	19.7	-
5.	5.9521	33.0	-	33.2	-	0.4	0.4	0.0	34.0	-	48.0	0.0	14.0	-
6.	7.0108	29.6	-	30.1	-	0.5	0.5	0.0	31.1	-	48.0	0.0	16.9	-
7.	20.8590	24.9	-	26.2	-	1.3	0.7	0.0	28.2	-	48.0	0.0	19.8	-
8.	24.3616	25.2	-	26.2	-	1.5	0.8	0.0	28.5	-	48.0	0.0	19.5	-
9.	29.4922	25.6	-	26.0	-	1.5	1.0	0.0	28.5	-	48.0	0.0	19.5	-

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

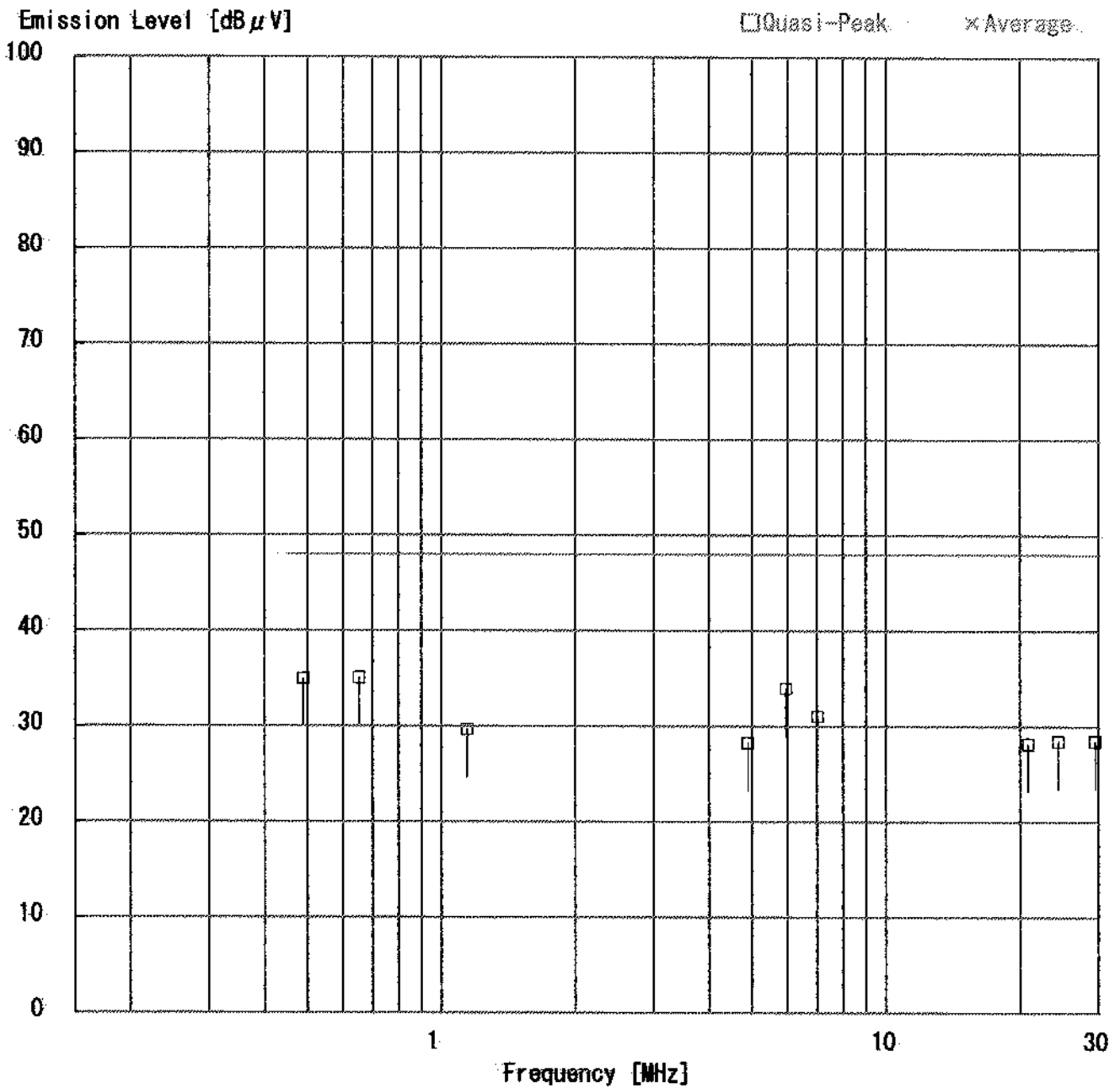
Except for the above table: adequate margin data below the limits.

# DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA No.2 OPEN TEST SITE  
Report No. : 21AE0018-YW-1  
FCC ID:AKBERA-201D1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. :  
Power : DC3.3V (PC:AC120V/60Hz)  
Mode : Receiving  
Remarks : ch6 (Mid)  
Date : 11/1/2000  
Phase : Single Phase  
Temperature : 21 °C  
Humidity : 67 %  
Regulation : FCC Part15B CLASS B

Engineer : Naoki Sakamoto



# DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.2 OPEN TEST SITE

Report No. : 21AE0018-YW-1

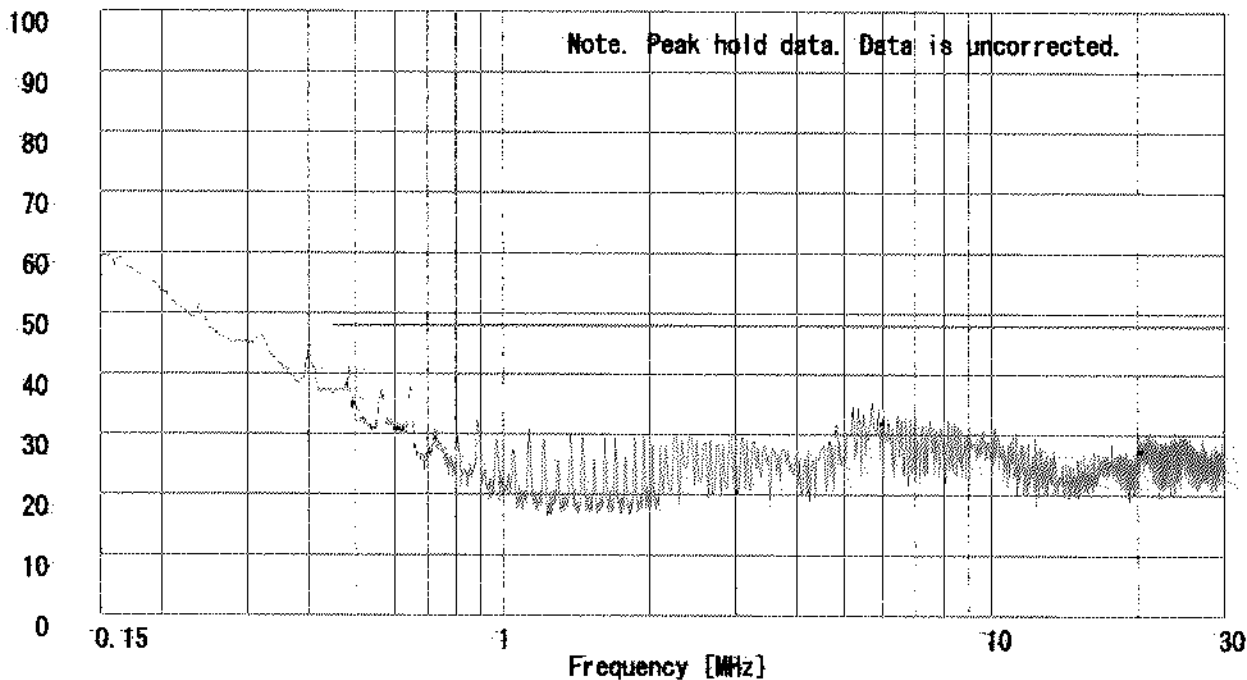
FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. :  
Power : DC3.3V(PC:AC120V/60Hz)  
Mode : Receiving  
Remarks : ch6(Mid)  
Date : 11/1/2000  
Phase : Single Phase.  
Temperature : 21 °C  
Humidity : 67 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Naoki Sakamoto

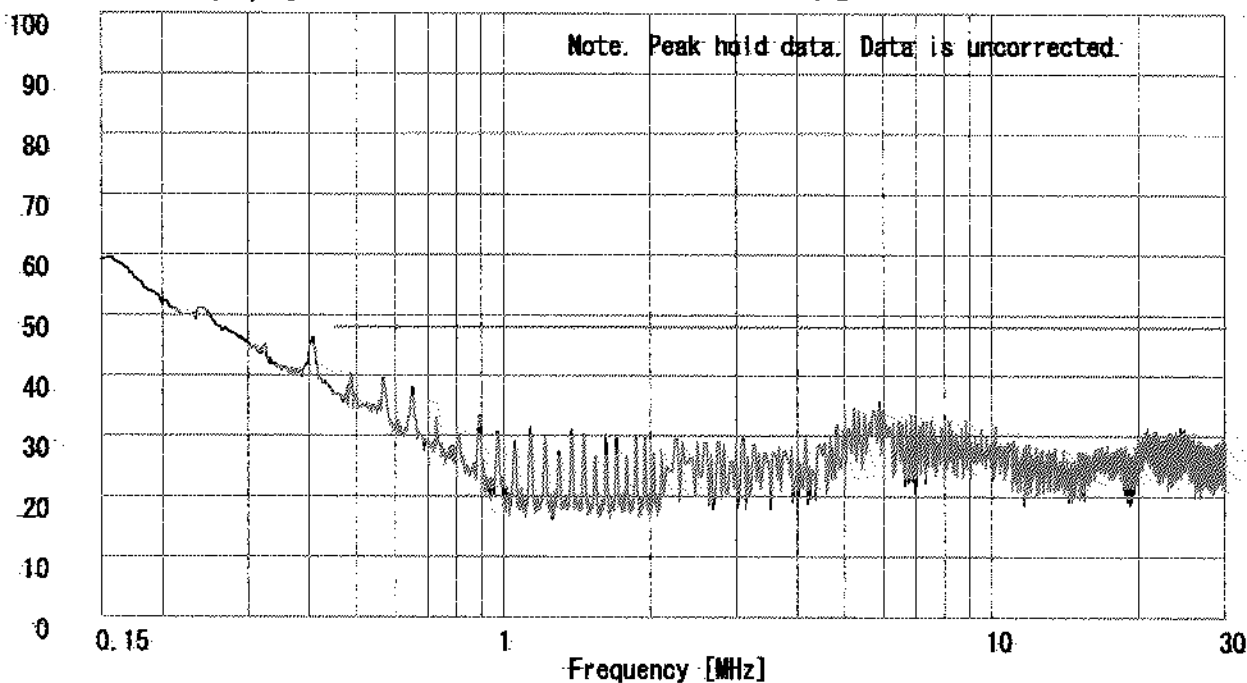
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1





# DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
 YOKOWA No.2 OPEN TEST SITE  
 Report No. : 21AE0018-YW-1  
 FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
 Kind of Equipment : Wireless LAN Card  
 Model No. : ERA-201D1  
 Serial No. :  
 Power : DC3.3V (PC:AC120V/60Hz)  
 Mode : Standby  
 Remarks :  
 Date : 11/1/2000  
 Phase : Single Phase  
 Temperature : 21 °C  
 Humidity : 67 %  
 Regulation : FCC Part15B CLASS B

\_\_\_\_\_  
 Engineer : Naoki Sakamoto

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dBuV]	CABLE LOSS [dBuV]	ATTEN. [dBuV]	RESULT		LIMITS		MARGIN	
		QP [dBuV]	AV	QP [dBuV]	AV				QP [dBuV]	AV	QP [dBuV]	AV	QP [dBuV]	AV
1.	0.4863	39.9	-	39.0	-	0.1	0.2	0.0	40.2	-	48.0	0.0	7.8	-
2.	0.5707	34.9	-	35.7	-	0.1	0.2	0.0	36.0	-	48.0	0.0	12.0	-
3.	1.1398	28.1	-	29.1	-	0.1	0.2	0.0	29.4	-	48.0	0.0	18.6	-
4.	4.8923	30.4	-	29.0	-	0.3	0.4	0.0	31.1	-	48.0	0.0	16.9	-
5.	5.9504	33.2	-	34.0	-	0.4	0.4	0.0	34.8	-	48.0	0.0	13.2	-
6.	10.1895	26.8	-	26.7	-	0.7	0.5	0.0	28.0	-	48.0	0.0	20.0	-
7.	20.4603	25.3	-	25.0	-	1.3	0.7	0.0	27.3	-	48.0	0.0	20.7	-
8.	23.6354	24.9	-	26.0	-	1.4	0.8	0.0	28.2	-	48.0	0.0	19.8	-

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

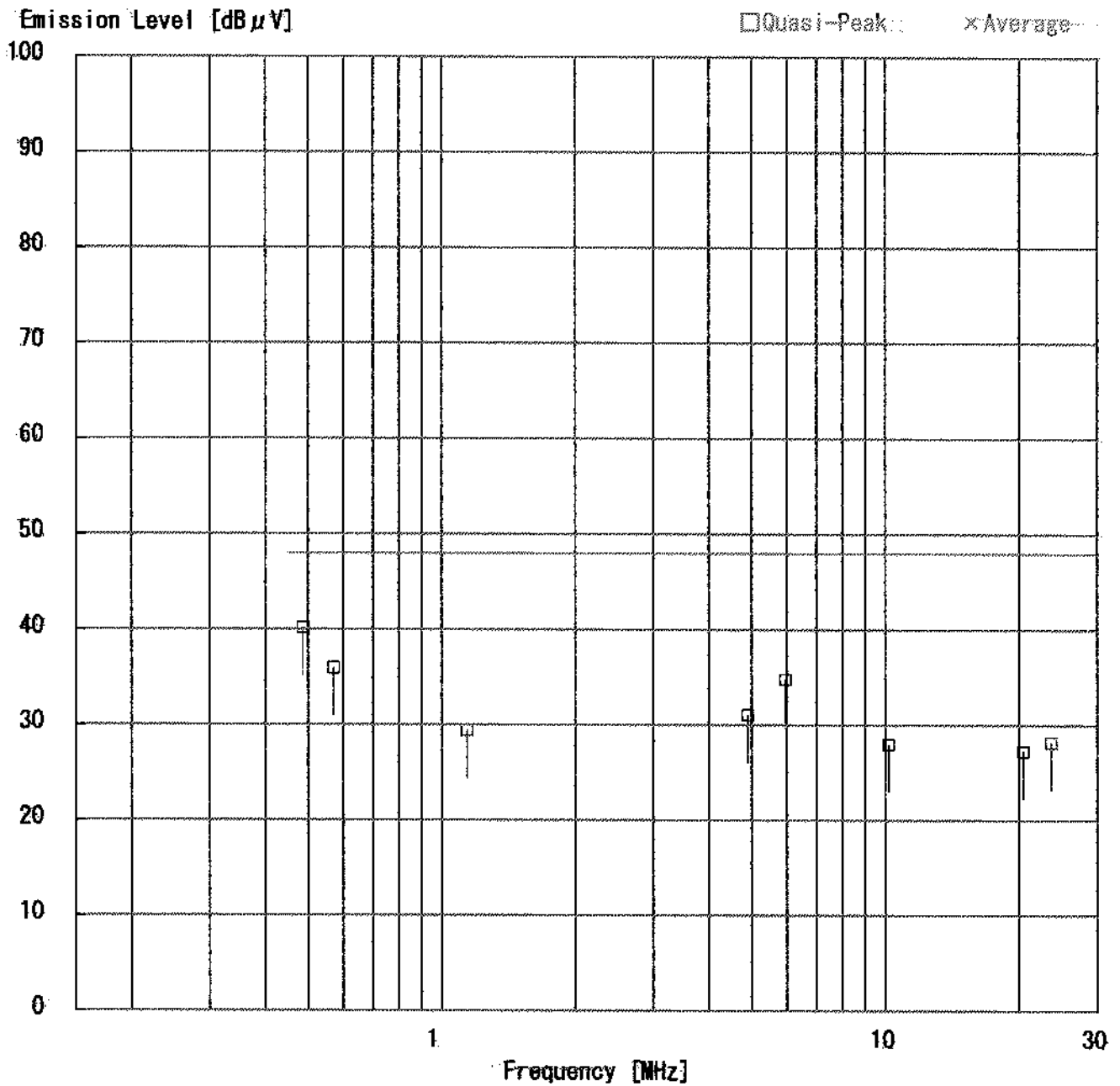
Except for the above table: adequate margin data below the limits.

# DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA No.2 OPEN TEST SITE  
Report No. : 21AE0018-YW-1  
FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. :  
Power : DC3.3V (PC: AC120V/60Hz)  
Mode : Standby  
Remarks :  
Date : 11/1/2000  
Phase : Single Phase  
Temperature : 21 °C  
Humidity : 67 %  
Regulation : FCC Part15B CLASS B

Engineer : Naoki Sakamoto



# DATA OF CONDUCTION TEST CHART

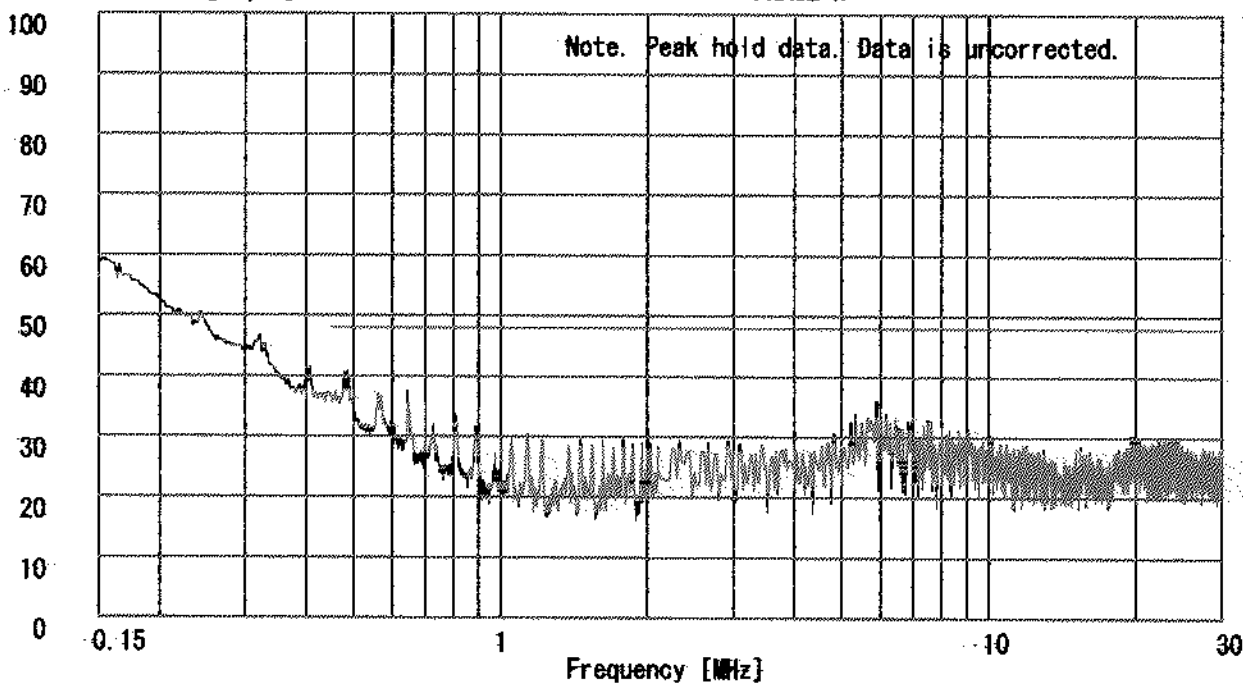
A-PEX INTERNATIONAL CO., LTD.  
YOKOWA No.2 OPEN TEST SITE  
Report No. : 21AE0018-YW-1  
FCC ID:AK8ERA-201D1

Applicant : Sony Corporation  
Kind of Equipment : Wireless LAN Card  
Model No. : ERA-201D1  
Serial No. :  
Power : DC3.3V (PC: AC120V/60Hz)  
Mode : Standby  
Remarks :  
Date : 11/1/2000  
Phase : Single Phase  
Temperature : 21 °C  
Humidity : 67 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Naoki Sakamoto

Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1

