

DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch01 : 2412MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation : FCC Part15.207

Engineer : Naoki Sakamoto

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dBuV]	AV	QP [dBuV]	AV				QP [dBuV]	AV	QP [dBuV]	AV	QP [dB]	AV
1.	0.4981	28.9	-	28.9	-	0.7	0.1	0.0	29.7	-	48.0	0.0	18.3	-
2.	0.6108	28.9	-	29.0	-	0.7	0.1	0.0	29.8	-	48.0	0.0	18.2	-
3.	1.0533	24.2	-	22.8	-	0.7	0.1	0.0	25.0	-	48.0	0.0	23.0	-
4.	3.6181	22.1	-	23.8	-	0.8	0.2	0.0	24.8	-	48.0	0.0	23.2	-
5.	16.5887	20.5	-	19.0	-	1.5	0.4	0.0	22.4	-	48.0	0.0	25.6	-
6.	29.7370	18.3	-	17.9	-	2.0	0.5	0.0	20.8	-	48.0	0.0	27.2	-

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

All other spurious emissions are more than 20dB below the limits.

DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

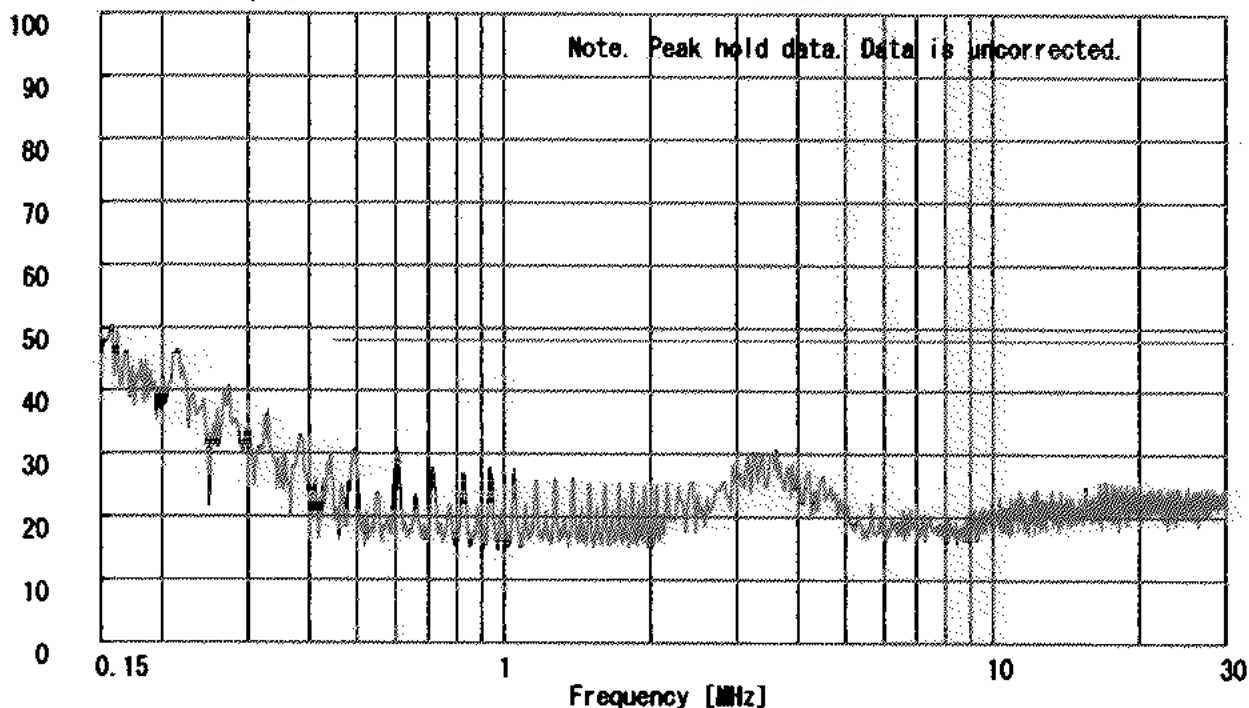
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch01 : 2412MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

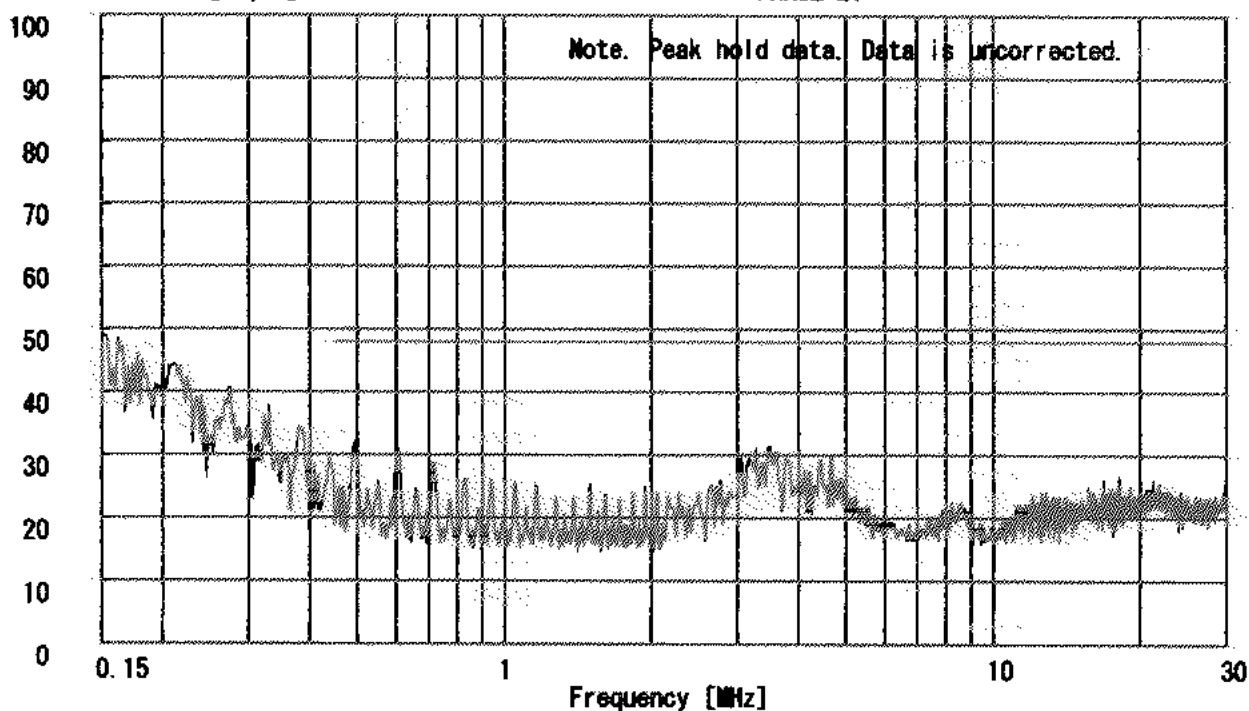
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



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YOKOWA No.3 OPEN TEST SITE

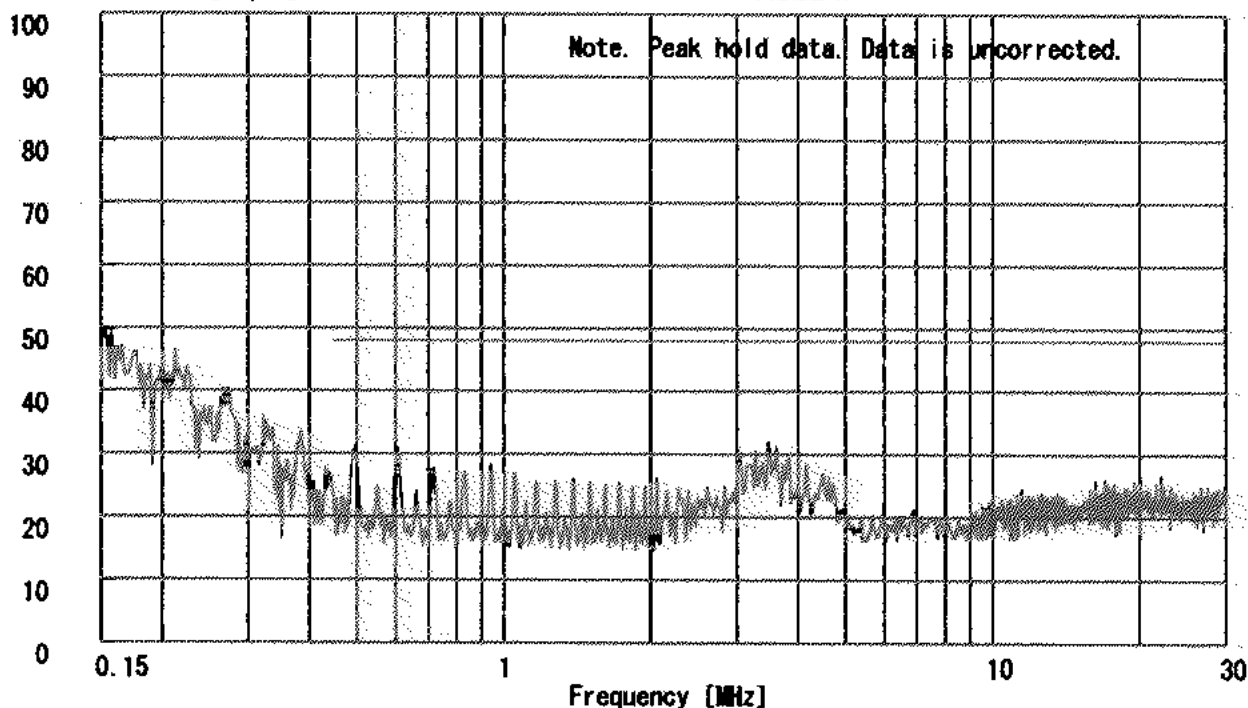
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

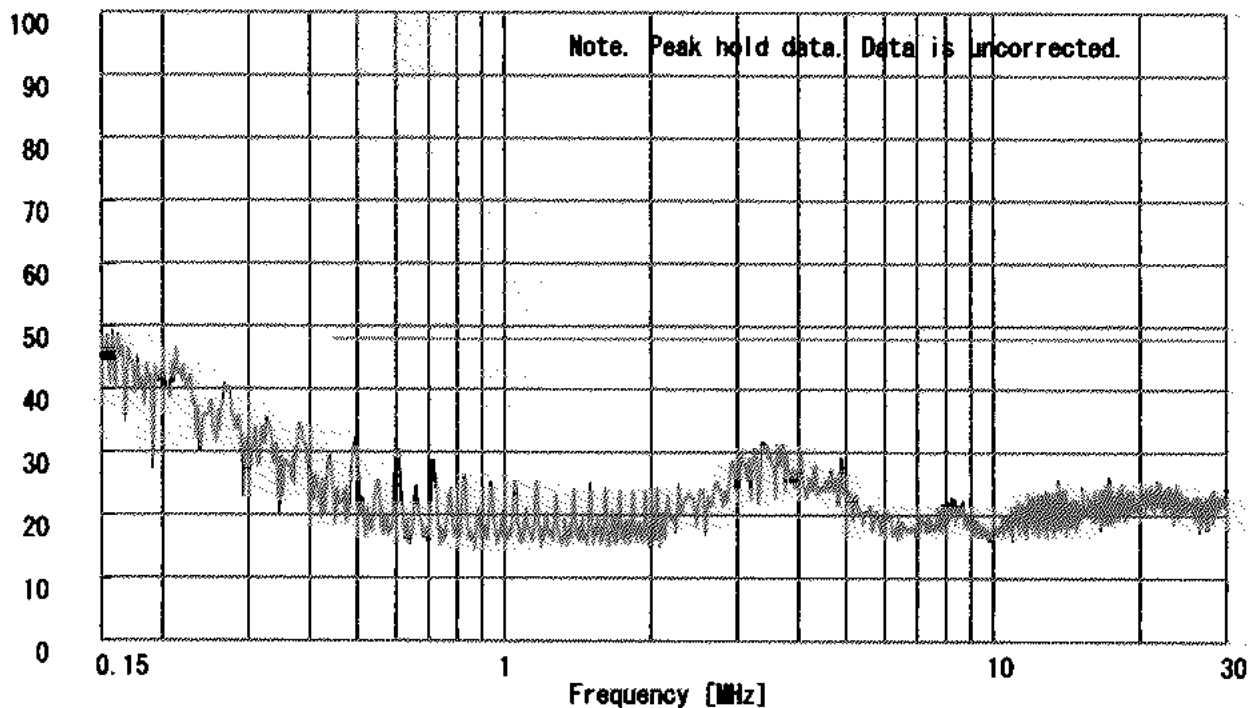
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

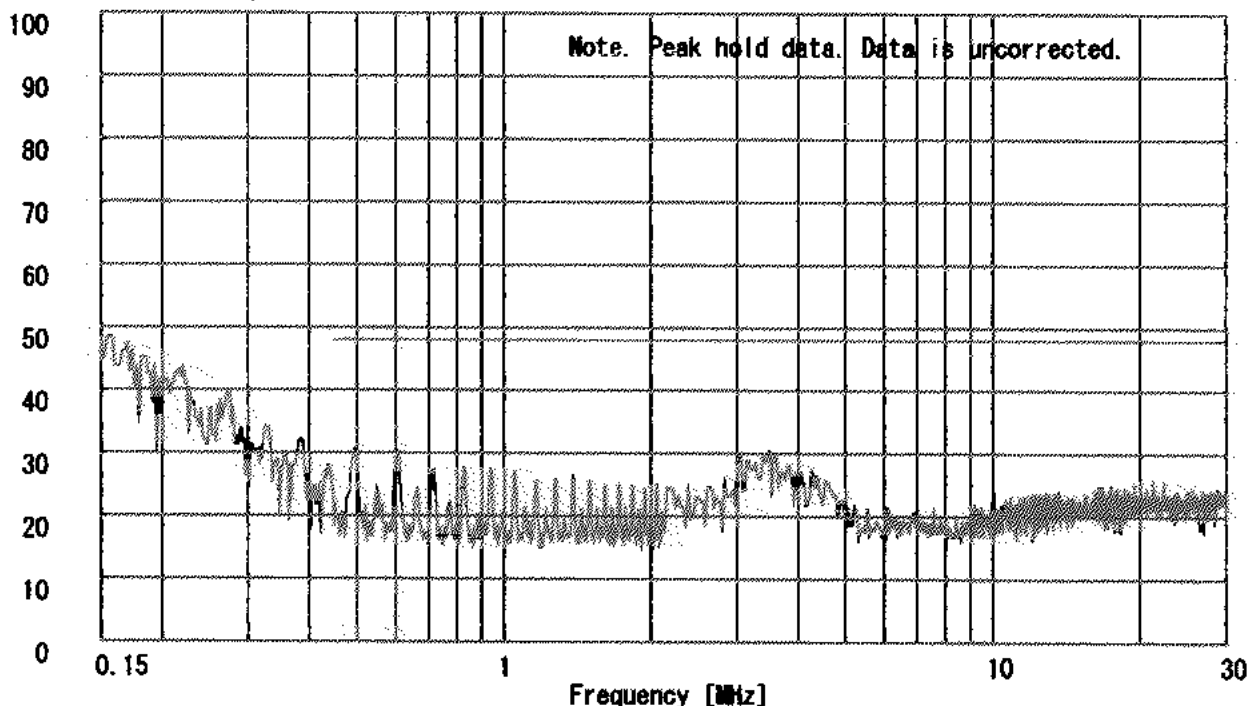
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch11 : 2462MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

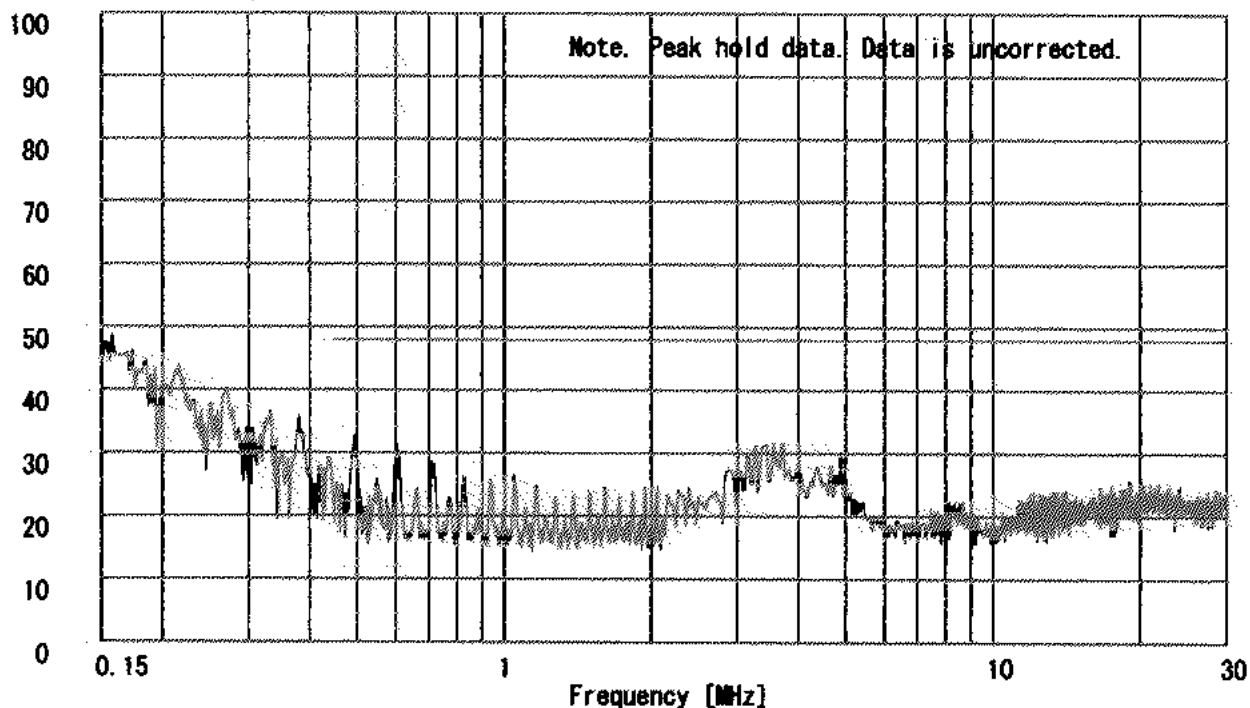
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

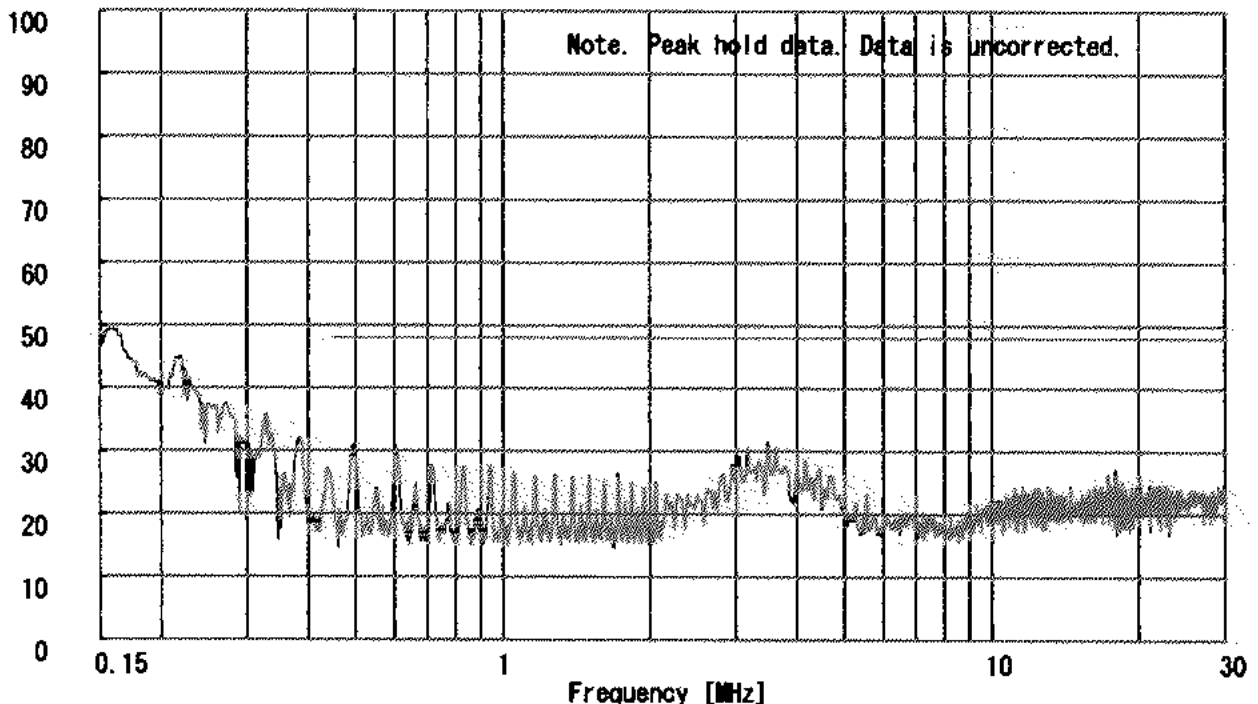
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Receiving (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

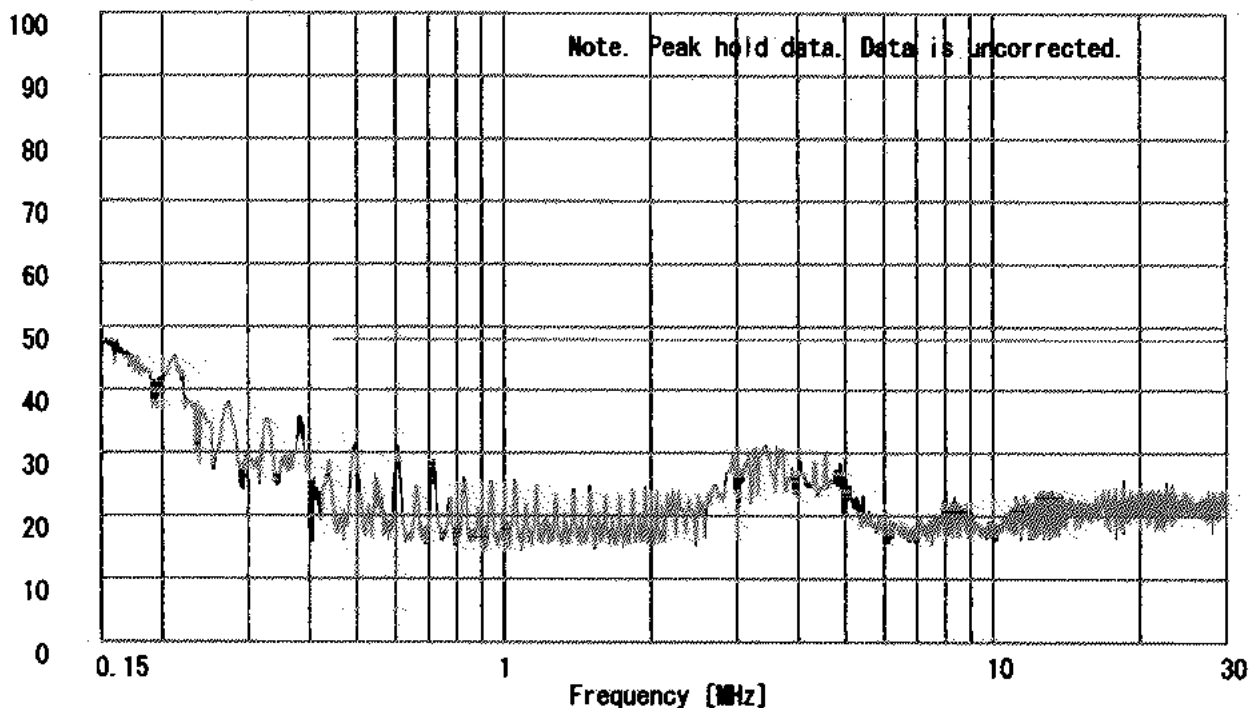
Emission Level [dBμV]

PHASE:N



Emission Level [dBμV]

PHASE:L1



DATA OF CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch01 : 2412MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation : FCC Part15.207

Engineer : Naoki Sakamoto

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP	AV	QP	AV				QP	AV	QP	AV	QP	AV
		[dBuV]		[dBuV]					[dBuV]		[dBuV]		[dB]	
1.	0.5015	25.5	-	26.1	-	0.7	0.1	0.0	26.9	-	48.0	0.0	21.1	-
2.	0.7045	25.5	-	26.5	-	0.7	0.1	0.0	27.3	-	48.0	0.0	20.7	-
3.	1.1338	20.4	-	20.4	-	0.7	0.1	0.0	21.2	-	48.0	0.0	26.8	-
4.	3.4895	18.7	-	19.9	-	0.8	0.2	0.0	20.9	-	48.0	0.0	27.1	-
5.	16.4814	11.8	-	10.7	-	1.5	0.4	0.0	13.7	-	48.0	0.0	34.3	-
6.	29.3806	14.7	-	14.4	-	2.0	0.5	0.0	17.2	-	48.0	0.0	30.8	-

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

All other spurious emissions are more than 20dB below the limits.

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A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

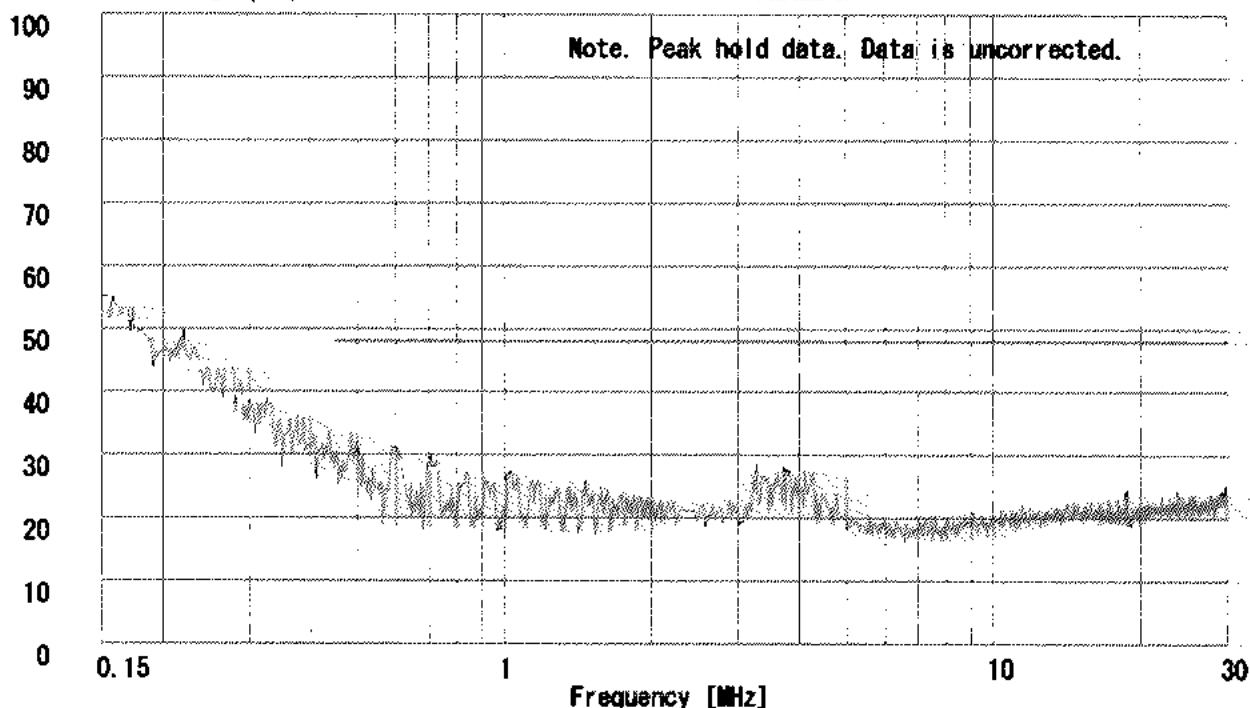
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch01 : 2412MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

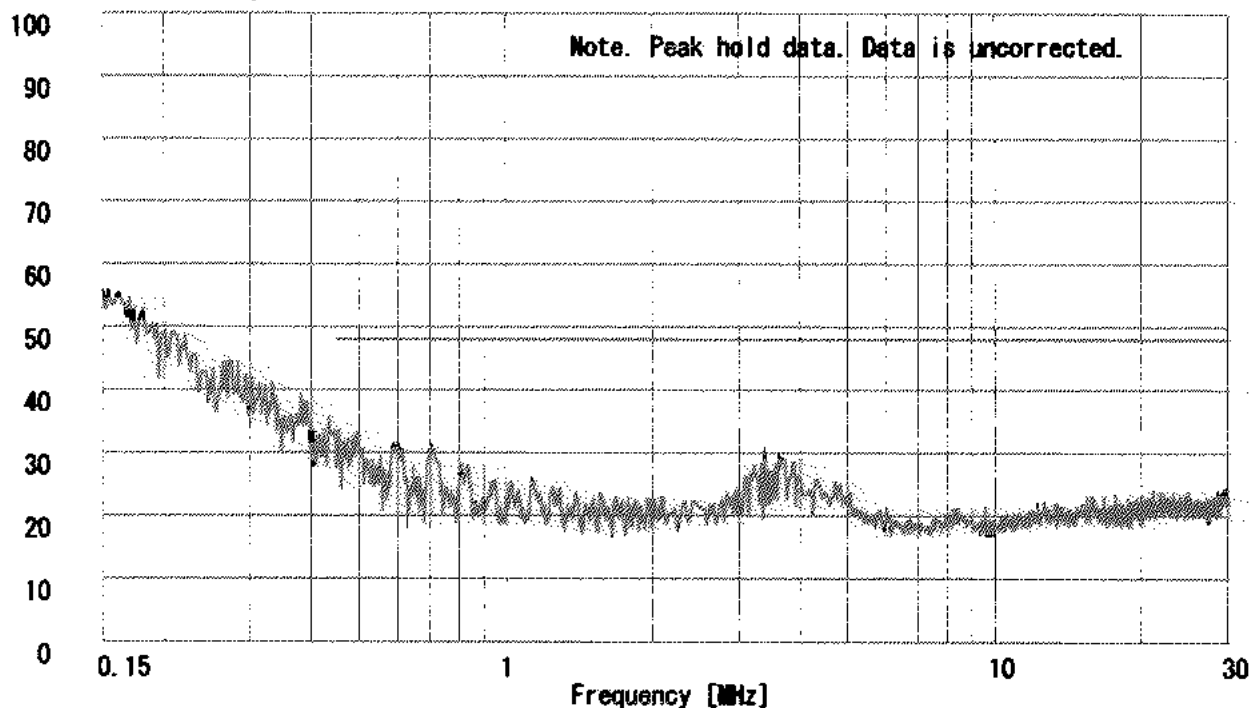
Emission Level [dB μ V]

PHASE:H



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

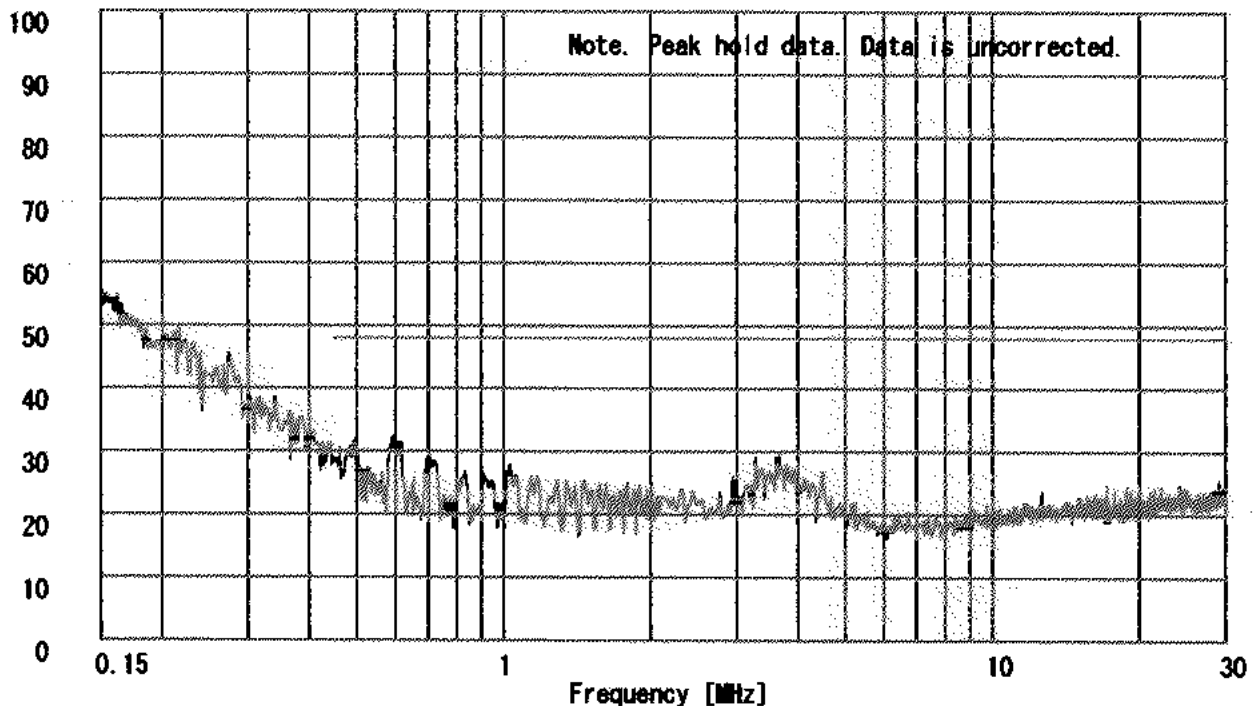
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

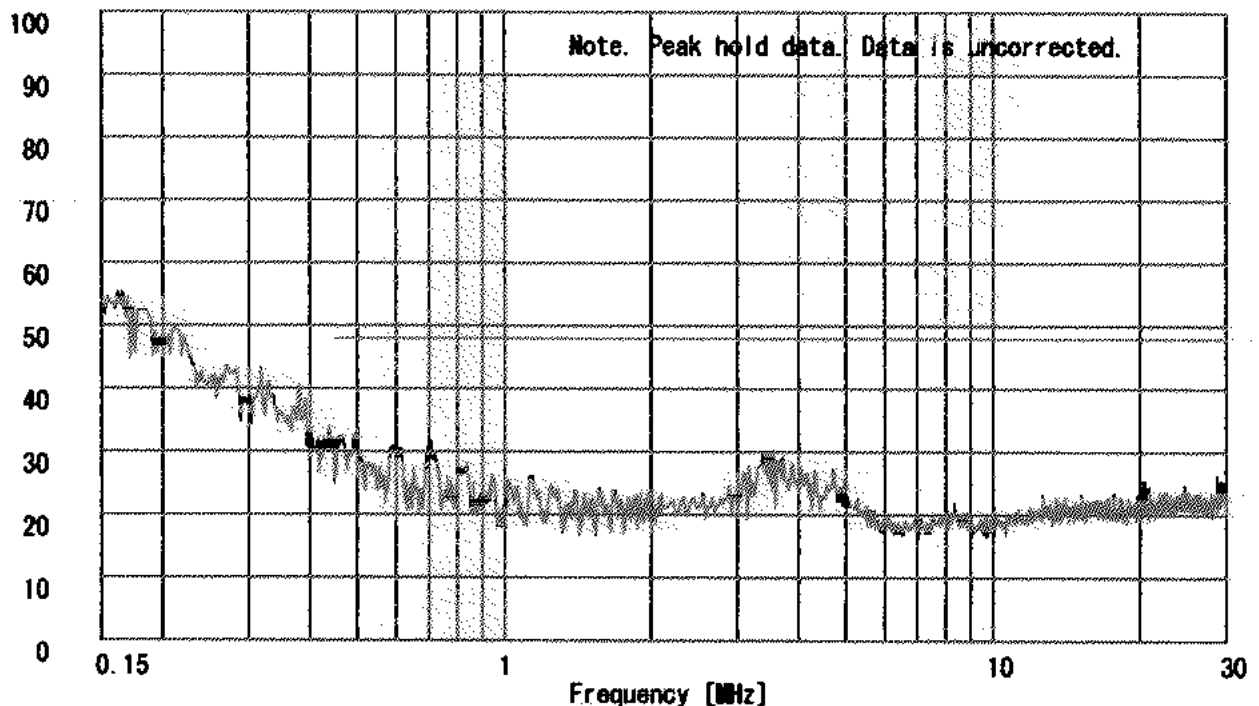
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

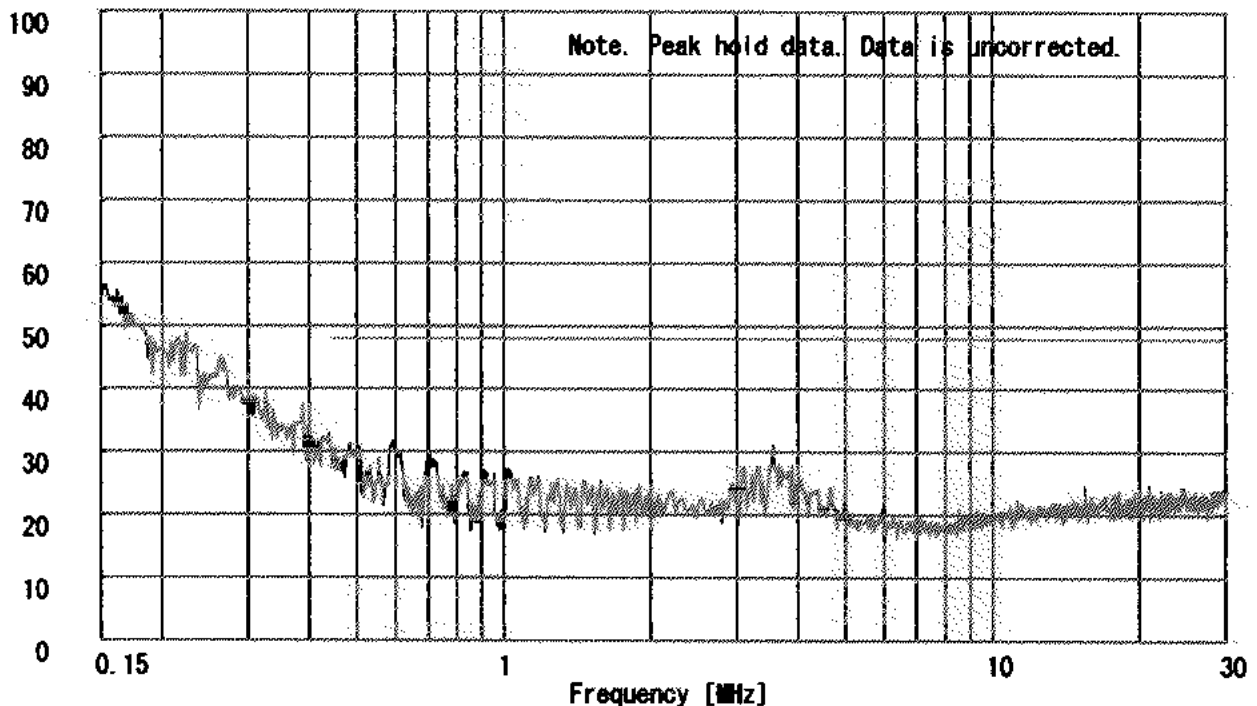
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch11 : 2462MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

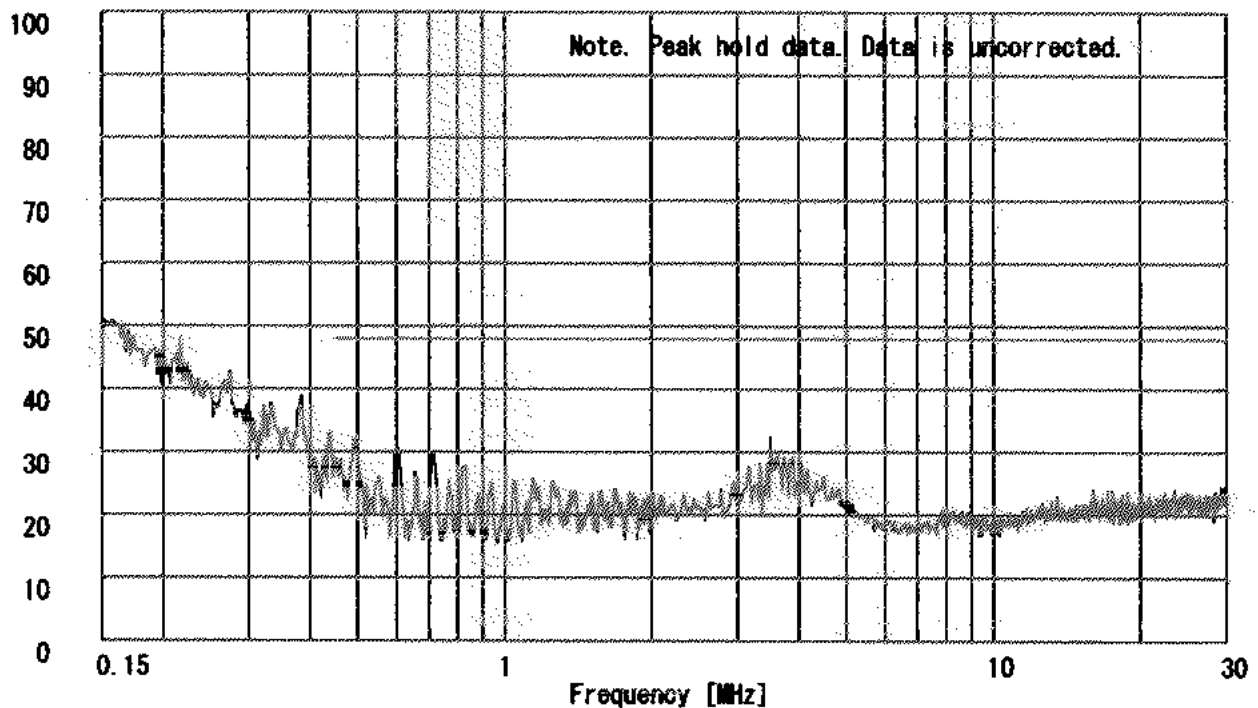
Emission Level [dB μ V]

PHASE:M



Emission Level [dB μ V]

PHASE:L1



DATA OF CONDUCTION TEST CHART

A-PEX INTERNATIONAL CO., LTD.

YOKOWA No.3 OPEN TEST SITE

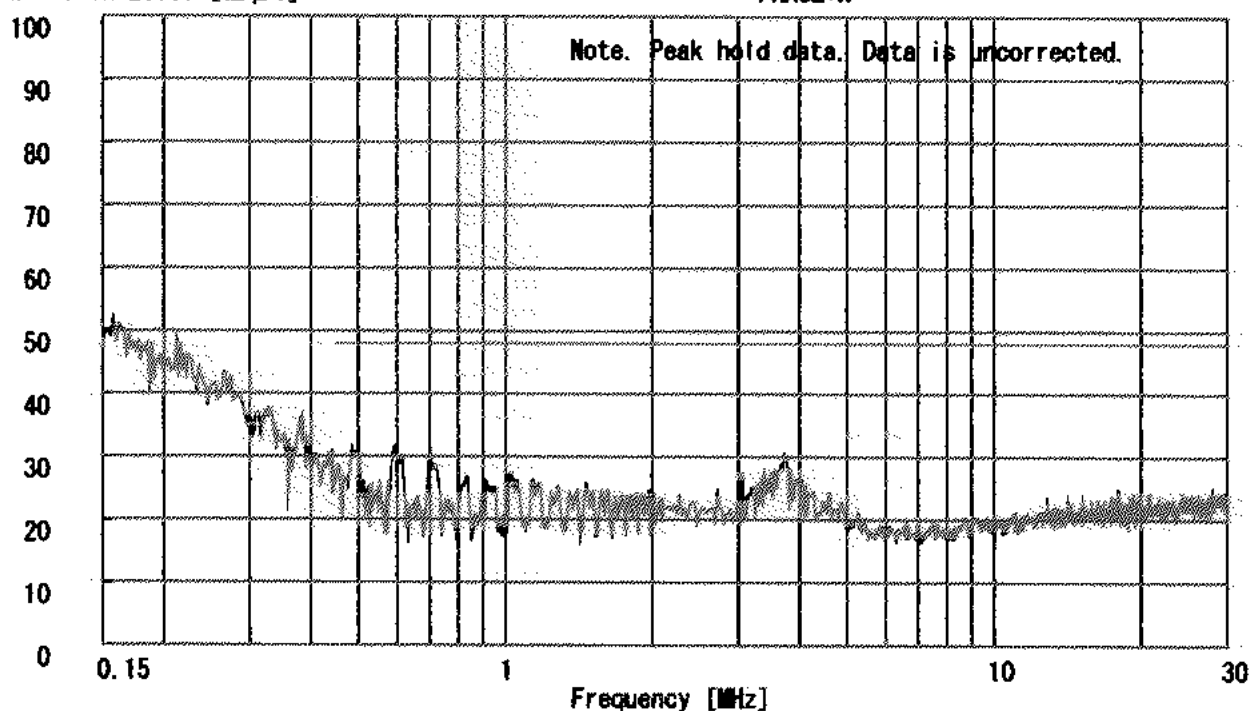
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (AC120V/60Hz)
Mode : Receiving (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/12/2001
Phase : Single Phase
Temperature : 26 °C
Humidity : 61 %
Regulation 1 : FCC Part15.207
Regulation 2 : None

Engineer : Naoki Sakamoto

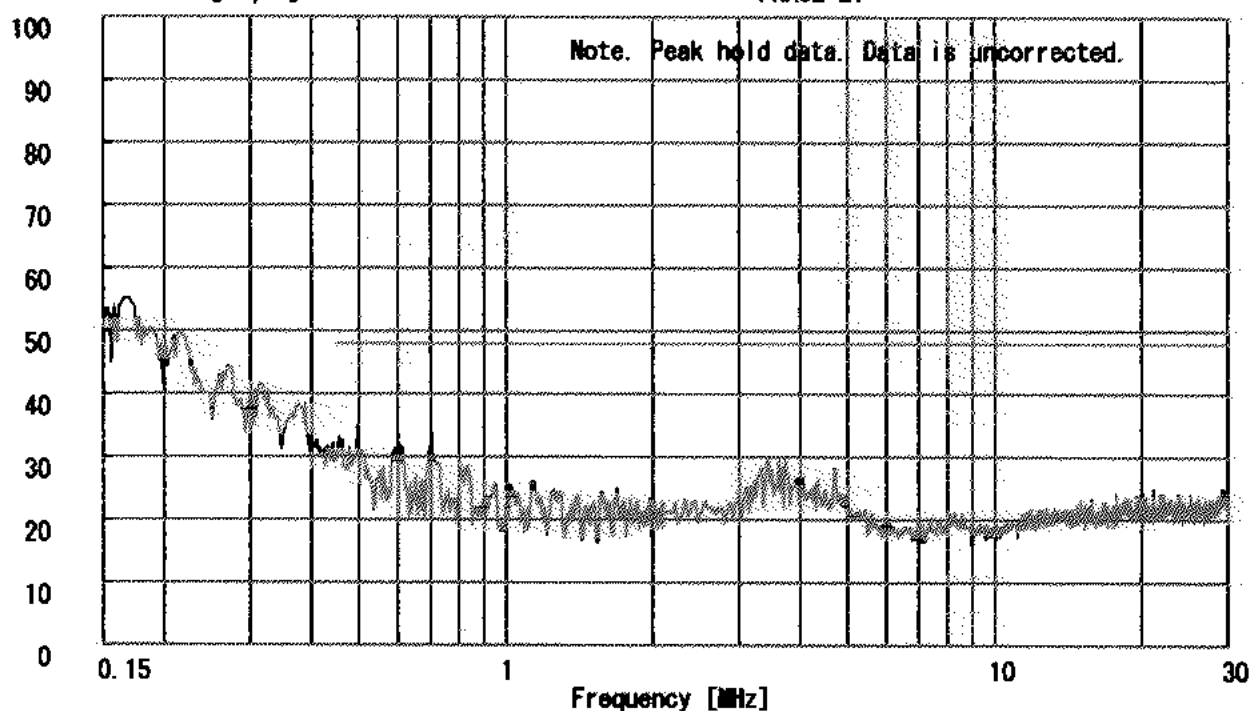
Emission Level [dB μ V]

PHASE:N



Emission Level [dB μ V]

PHASE:L1



Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1

6dB Bandwidth: 15.247 (a) (2) / Ch1/21KE0066-YW-1

REF 117 dBuV

ATT 20 dB

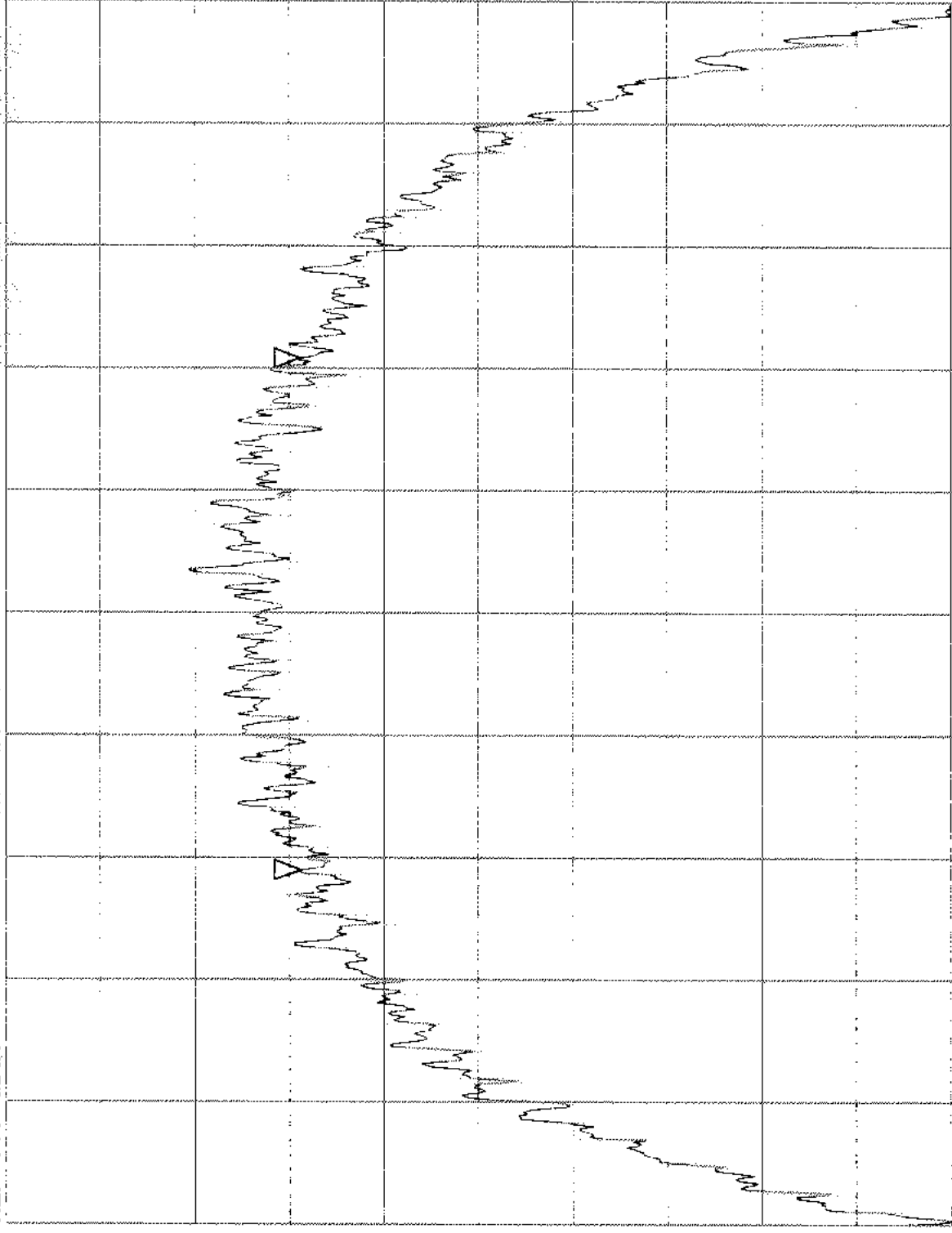
NAKER

2.4182 GHz
101.38 dBuV

ΔNAKER

-8.3714 MHz
0.00 dBuV

5dB/



START 2.402000GHz
RBW 100kHz

VBW 100kHz

STOP 2.422000GHz
SWP 100ms

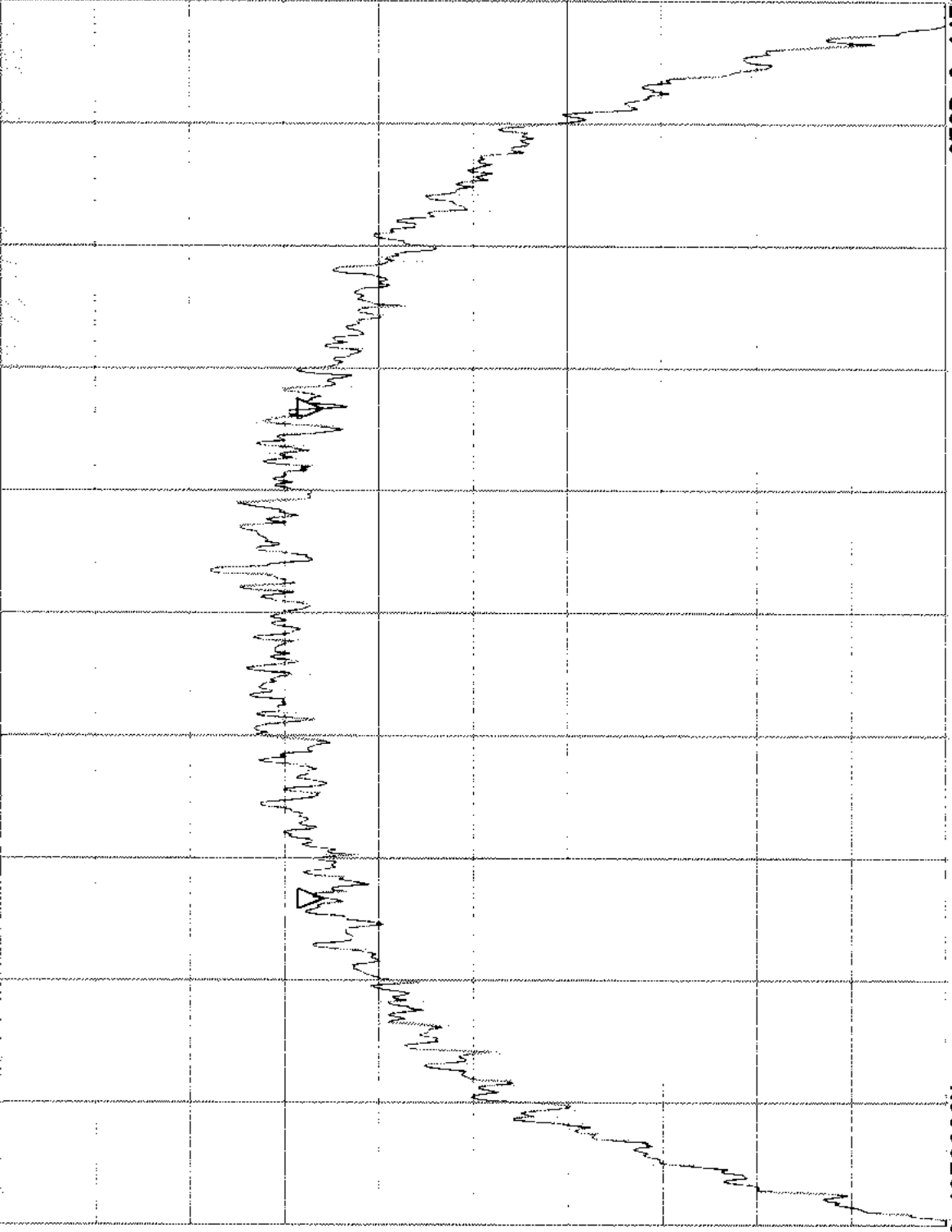
A11

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
6dB Bandwidth: 15.247 (a) (2) / Ch6/21KE0066-YW-1
REF 117 dBuV
ATT 20 dB

MAKER
2.4403 GHz
99.88 dBuV

Δ MAKER
-8.0000 MHz
00 dBuV

5dB/



START 2.427000GHz
RBW 100kHz

VBW 100kHz

STOP 2.447000GHz
SWP 100ms

A12

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1

6dB Bandwidth: 15.247 (a) (2) / Ch11/21KE0066-YW-1

REF 117 dBuV

ATT 20 dB

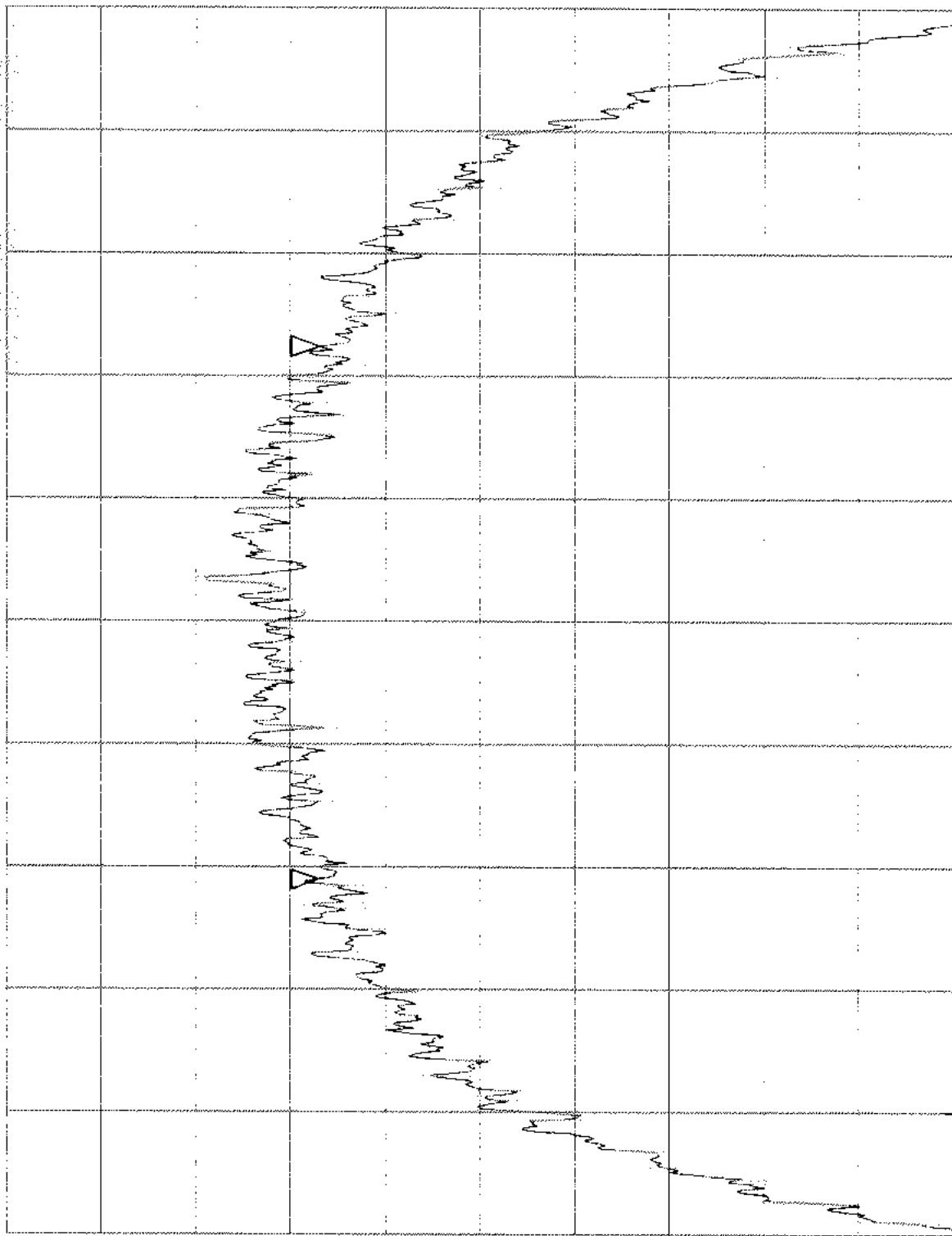
MAKER

2.4665 GHz
100.50 dBuV

ΔNAKER

-8.6857 MHz
.00 dBuV

5dB/



START 2.452000GHz
RBW 100kHz

VBW 100kHz

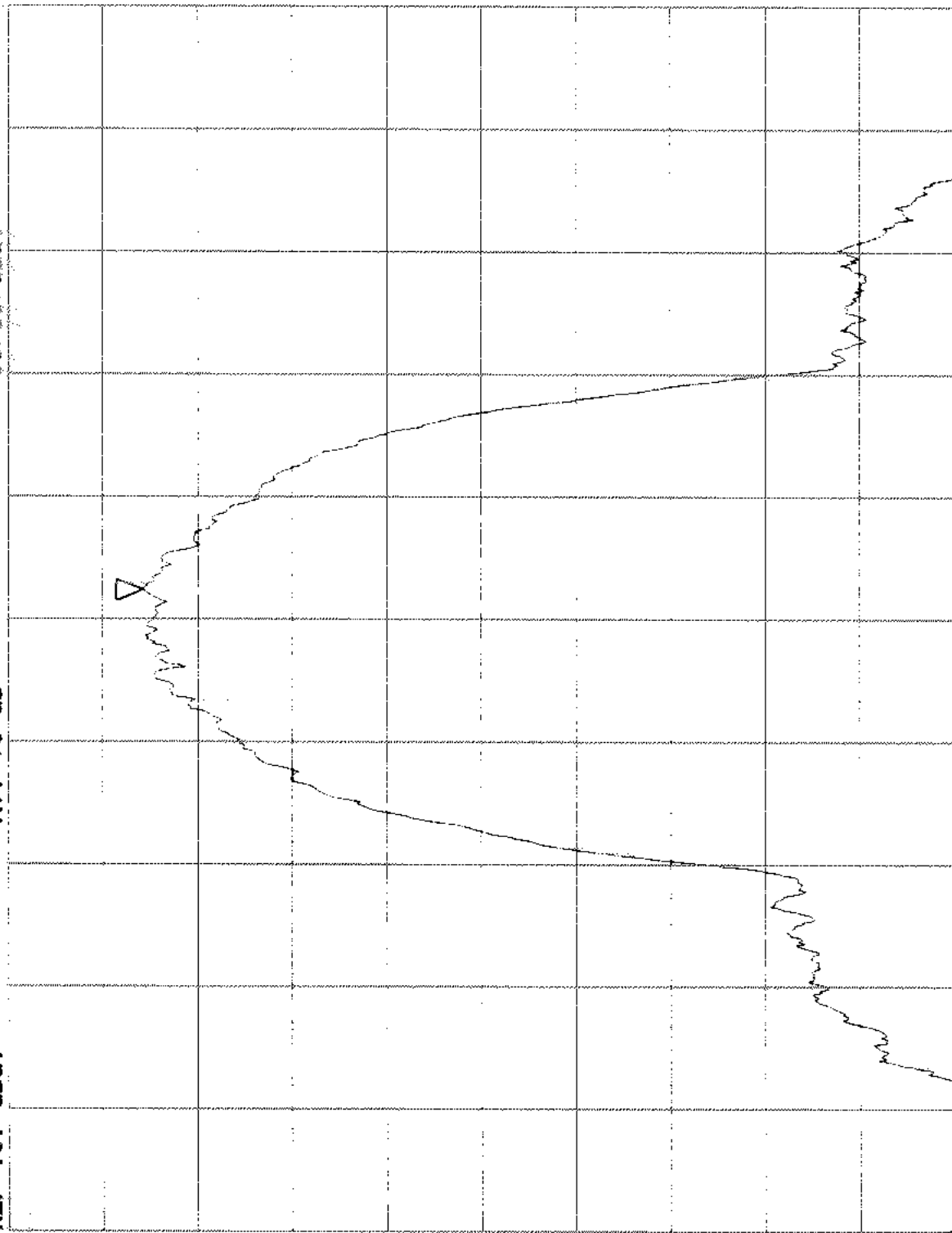
STOP 2.472000GHz
SWP 100ms

######

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) / Ch1 (VER) / 21KE0066-YW-1
REF 107 dBuV
ATT 10 dB

NAKER
2.4132 GHz
99.88 dBuV

5dB/



START 2.386750GHz
RBW 1MHz

VBW 1MHz

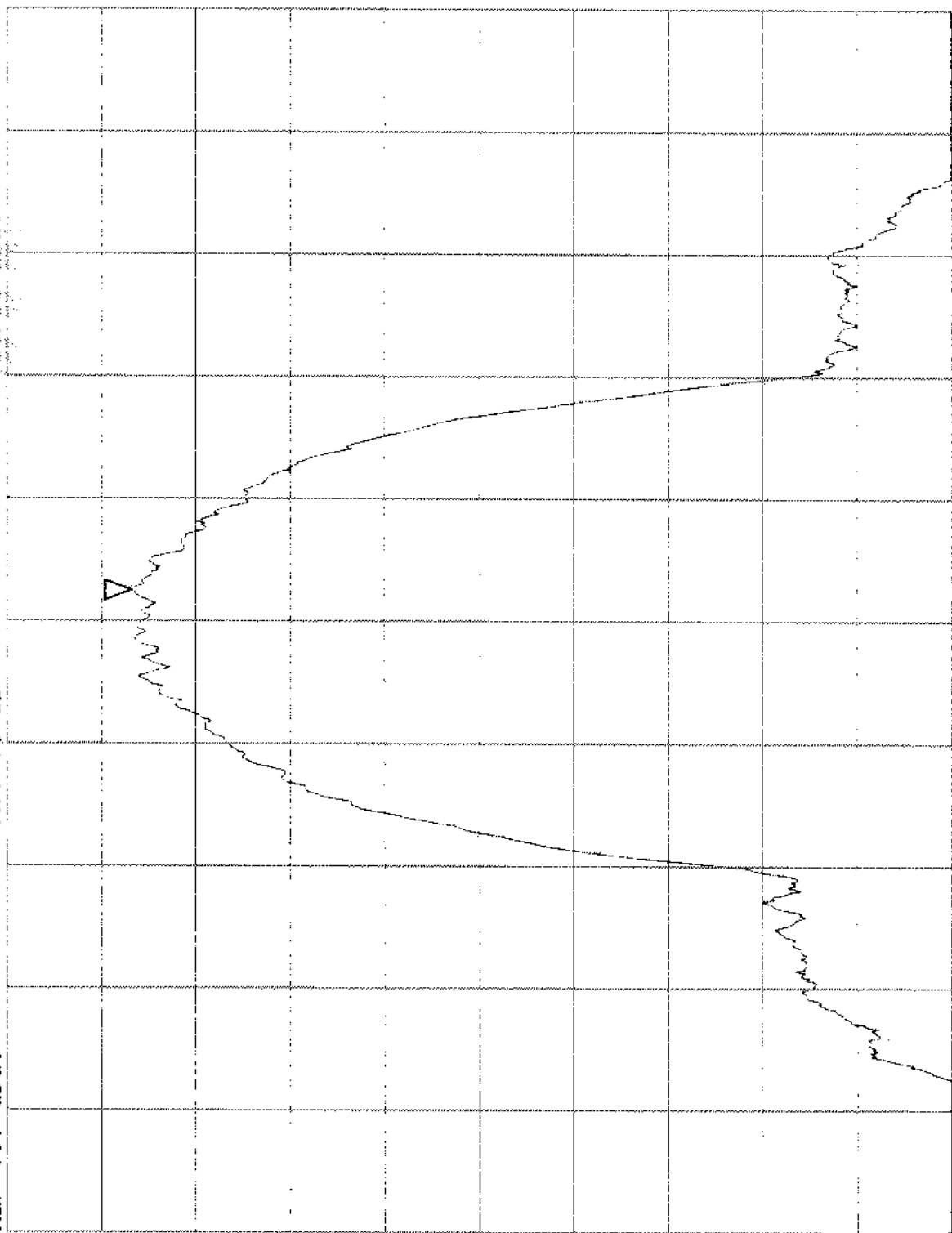
STOP 2.437250GHz
SWP 500ms

A15

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) / Ch1 (HOR) / 21KE0066-YW-1
REF 107 dBuV
ATT 10 dB

MAKER
2.4133 GHz
100.38 dBuV

5dB/



START 2.386750GHz
RBW 1MHz

VBW 1MHz

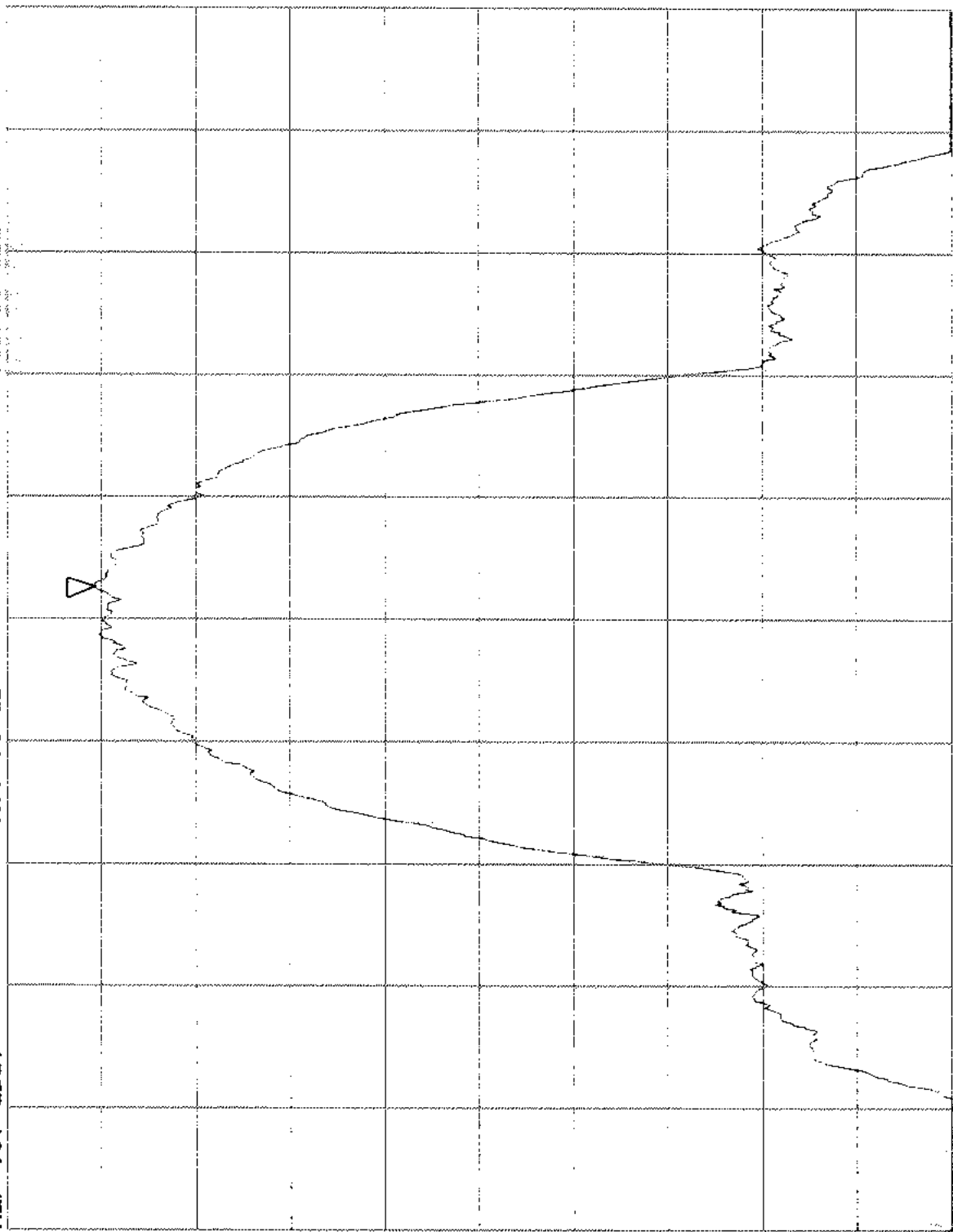
STOP 2.437250GHz
SWP 500ms

A 16

Matsushita/Model:WLM-1 (CF-VDW07)/FCCID:ACJ9TGWLM-1
PeakOutPower:15.247(b)(1)/Ch6(VER)/21KE0066-YW-1
REF 107 dBuV
ATT 10 dB

MAKER
2.4383 GHz
102.38 dBuV

5dB/



START 2.412000GHz
RBW 1MHz

VBW 1MHz

STOP 2.462000GHz
SWP 500ms

A17

Matsushita/Model: WLM-1 (CF-VDW07) /FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247(b) (1) /Ch6 (HOR) /21KE0066-YW-1
REF 107 dBuV
ATT 10 dB

NAKER
2.4384 GHz
101.50 dBuV

5dB/



START 2.412000GHz
RBW 1MHz

VBW 1MHz

STOP 2.462000GHz
SWP 500ms

A18

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) Ch11 (VER) / 21KE0066--YW-1
REF 107 dBuV ATT 10 dB

MAKER
2.4620 GHz
104.88 dBuV

5dB/



START 2.437000GHz
RBW 1MHz

STOP 2.487000GHz
SWP 100ms

A19

Matsushita/Model: WLM-1 (CF-VDW07) /FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) /Ch11 (HOR) /21KE0066-YW-1
REF 107 dBuV
ATT 10 dB

MAKER
2.4614 GHz
105.13 dBuV

5dB/



START 2.437000GHz
RBW 1MHz

VBW 1MHz

STOP 2.487000GHz
SWP 500ms

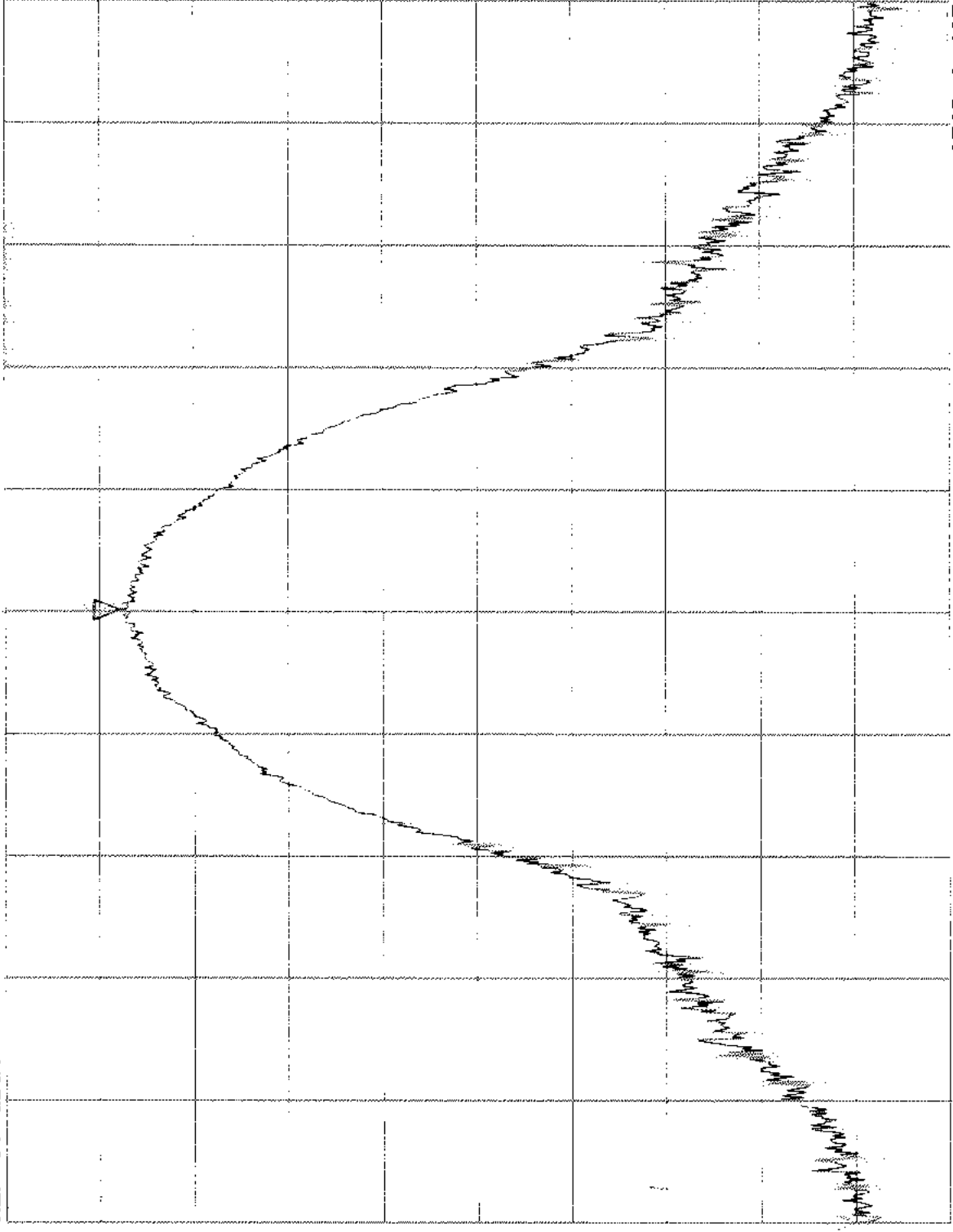
A20

######

Matsushita/Model: WLM-1 (CF-07) / FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) / Ch1 (VER) / 21KE0066-YW-1
REF 97 dBuV
ATT 10 dB

MAKER
2.4121 GHz
90.88 dBuV

5dB/



START 2.387000GHz
RBW 1MHz

VBW 1MHz

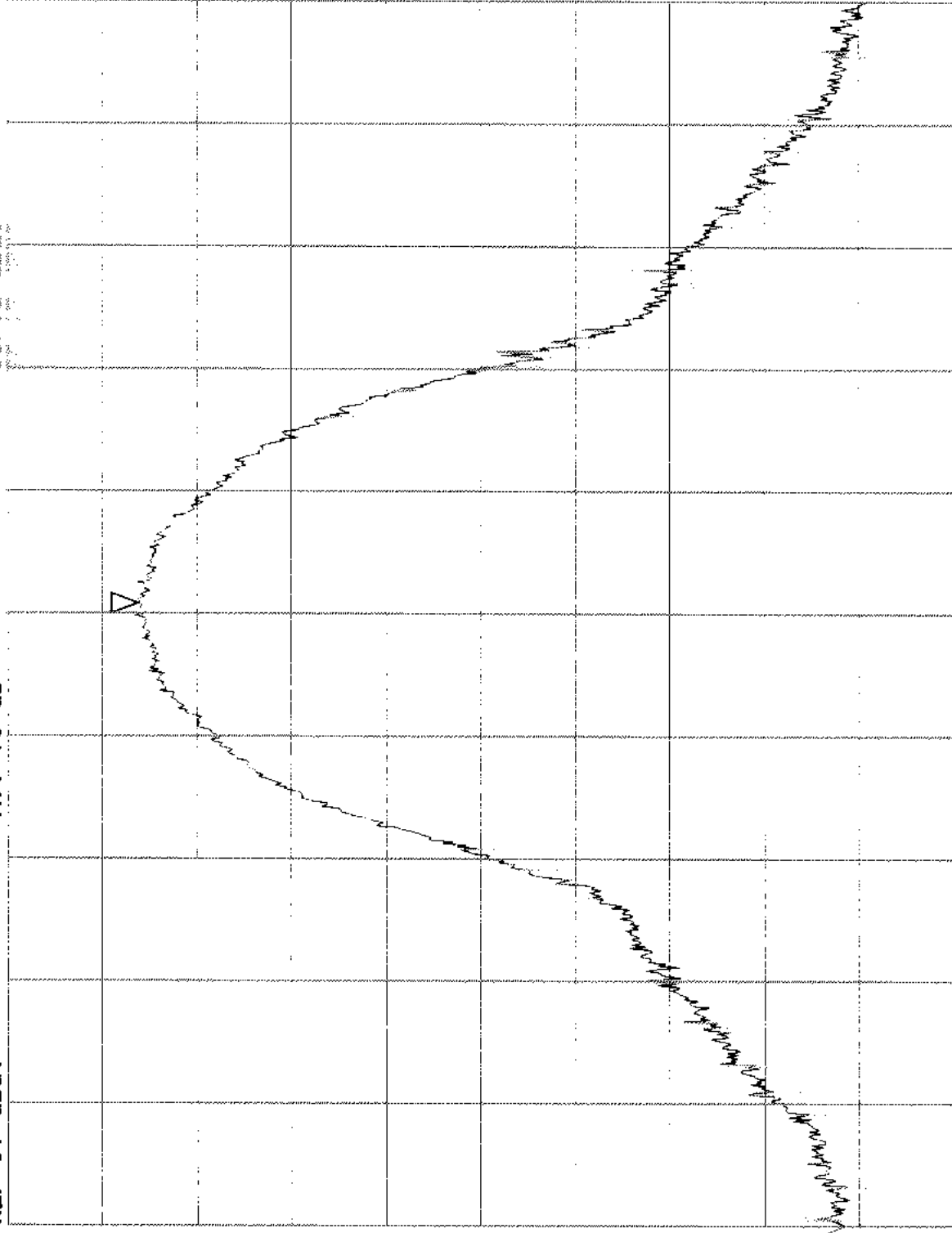
STOP 2.437000GHz
SWP 500ms

A22

Matsushita/Model: WLM-1 (CF-07)/FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1)/Ch1 (HOR)/21KE0066-YW-1
REF 97 dBuV
ATT 10 dB

NAKER
2.4124 GHz
90.13 dBuV

5dB/



START 2.387000GHz
RBW 1MHz

VBW 1MHz

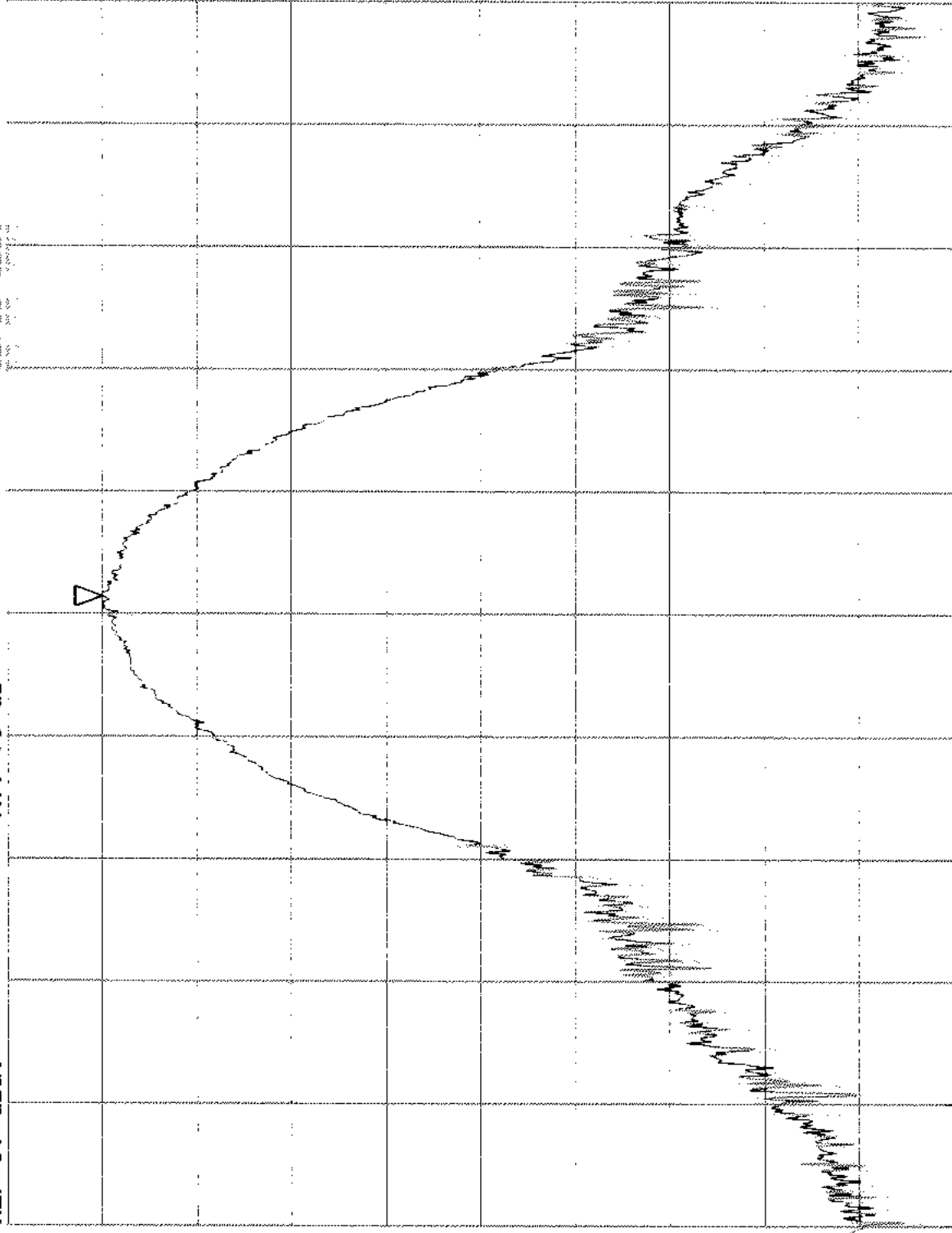
STOP 2.437000GHz
SWP 500ms

A23

Matsushita/Model: WLM-1 (CF-07)/FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1)/Ch6(VER)/21KE0066-YW-1
REF 97 dBuV
ATT 10 dB

NAKER
2.4377 GHz
92.00 dBuV

5dB/



START 2.412000GHz
RBW 1MHz

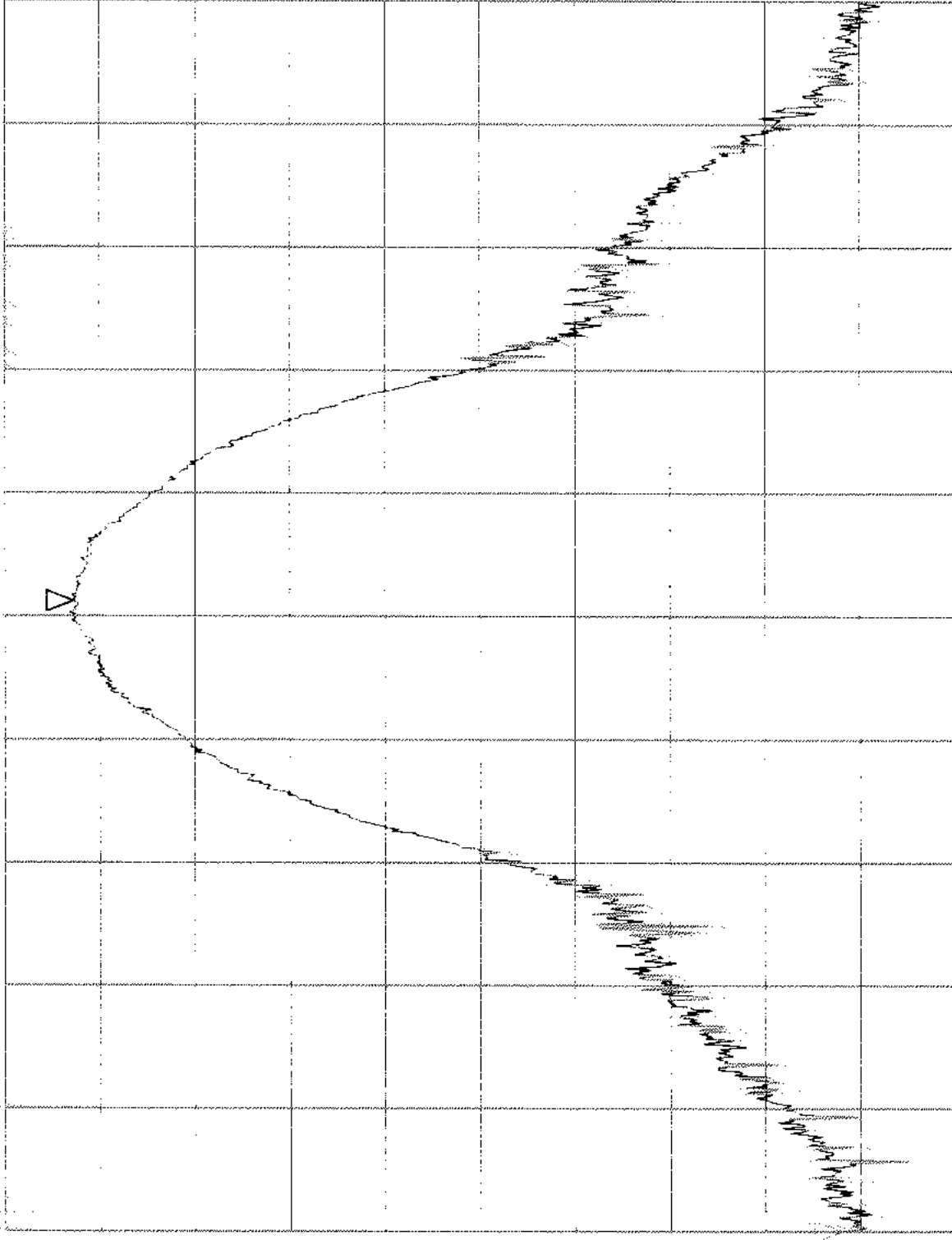
VBW 1MHz

STOP 2.462000GHz
SWP 500ms

A24

Matsushita/Model: WLM-1 (CF-07)/FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1)/Ch6(HOR)/21KE0066-YW-1
REF 97 dBuV
ATT 10 dB

MAKER
2.4376 GHz
93.38 dBuV



START 2.412000GHz
RBW 1MHz

VBW 1MHz

STOP 2.462000GHz
SWP 500ms

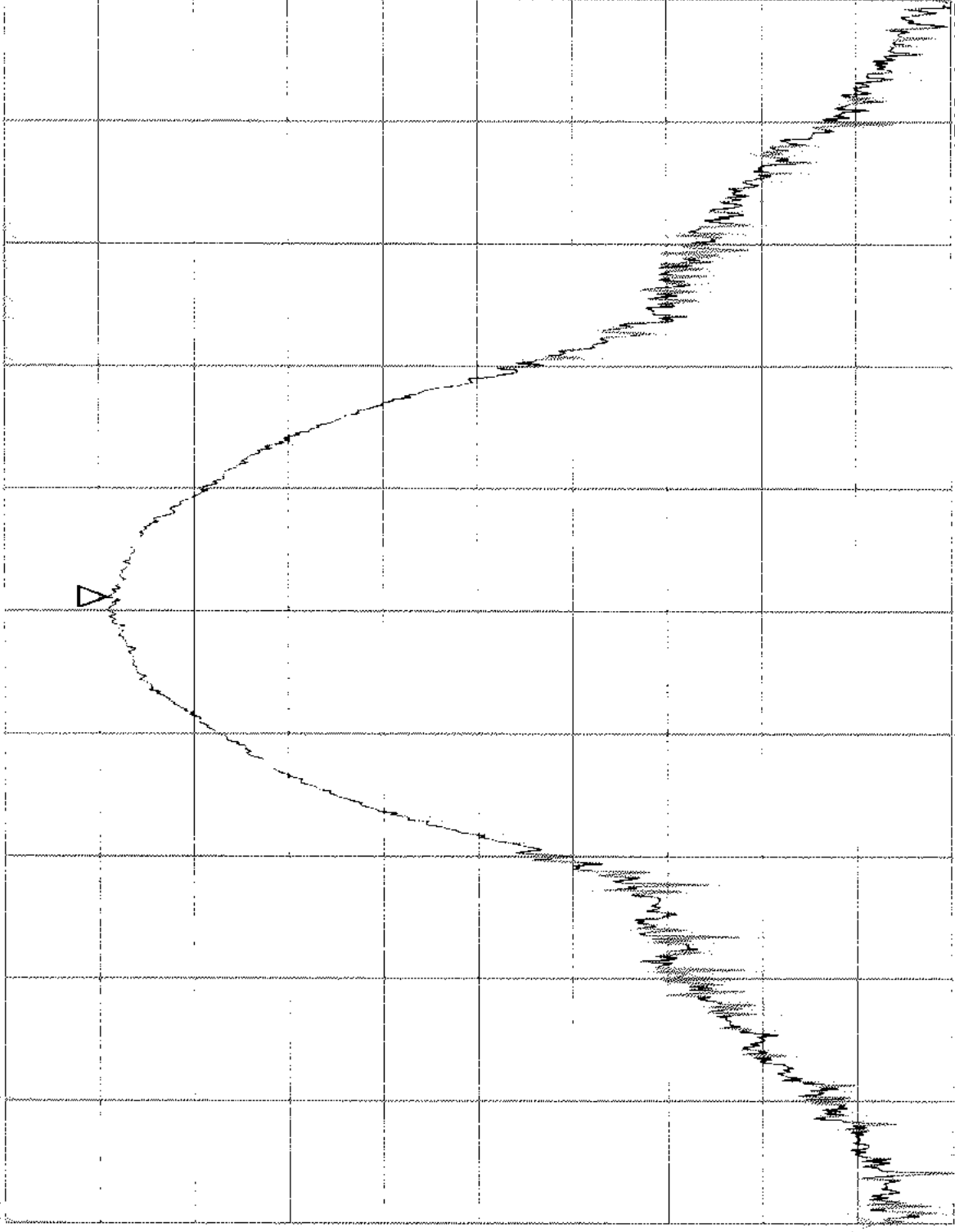
A25

5dB/

Matsushita/Model: WLM-1 (CF-07) / FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) / Ch11 (VER) / 21KE0066-YW-1
REF 97 dBuV
ATT 10 dB

MAKER
2.4626 GHz
91.63 dBuV

5dB/



START 2.43700GHz
RBW 1MHz

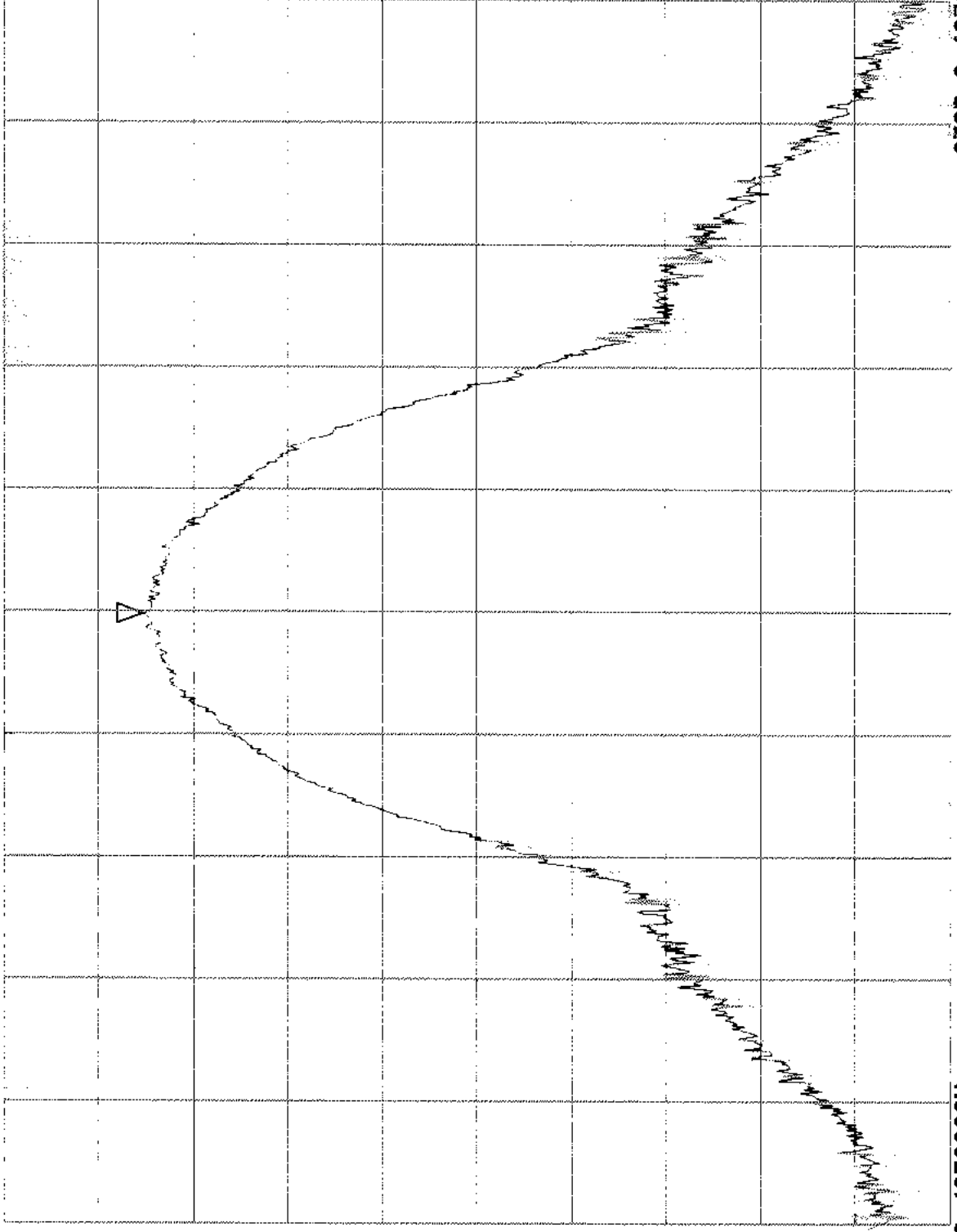
VBW 1MHz

STOP 2.48700GHz
SWP 500ms
A26

Matsushita/Model: WLM-1 (CF-07) / FCC ID: ACJ9TGWLM-1
PeakOutPower: 15.247 (b) (1) / Ch11 (HOR) / 21KE0066-YW-1
REF 97 dBuV ATT 10 dB

MAKER
2.4619 GHz
89.63 dBuV

5dB/



START 2.437000GHz
RBW 1MHz

STOP 2.487000GHz
SWP 500ms

A27

Peak Out Put Power(Conducted)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device :CF-VDW07)
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch1, Ch6 Ch11)

REPORT NO : 21KE0066-YW-1
REGULATION : FCC Part15SubpartC.247(b)
DATE : 2001/08/08
Temp./Humi. : 24°C/57%

ENGINEER : Naoki Sakamoto

Ch.No.	FREQ [GHz]	P/W Reading (Result) [dBm]	Limit (1W) [dBm]	Margin [dB]
1	2.4120	11.7	30.0	18.3
6	2.4370	12.3	30.0	17.7
11	2.4620	10.4	30.0	19.6

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch01 : 2412MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/8/2001
Test Distance : 3 m
Temperature : 28 °C
Humidity : 68 %
Regulation : FCC 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	72.24	BB	27.5	31.6	6.1	27.9	1.6	5.9	13.2	17.3	40.0	26.8	22.7
2.	101.10	BB	24.5	27.7	10.3	27.9	1.9	5.9	14.7	17.9	43.5	28.8	25.6
3.	161.04	BB	22.0	25.0	14.9	27.8	2.5	5.9	17.5	20.5	43.5	26.0	23.0
4.	322.11	BB	38.2	36.1	14.5	27.6	3.6	5.8	34.5	32.4	46.0	11.5	13.6
5.	362.39	BB	31.9	29.5	14.9	27.6	3.9	5.8	28.9	26.5	46.0	17.1	19.5
6.	402.64	BB	30.4	33.2	15.5	27.5	4.1	5.8	28.3	31.1	46.0	17.7	14.9

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/9/2001
Test Distance : 3 m
Temperature : 27 °C
Humidity : 56 %
Regulation : FCC 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	72.25	BB	28.0	32.3	6.1	27.9	1.6	2.9	10.7	15.0	40.0	29.3	25.0
2.	101.13	BB	24.9	27.8	10.3	27.9	1.9	2.9	12.1	15.0	43.5	31.4	28.5
3.	161.04	BB	23.0	25.1	14.9	27.8	2.5	2.9	15.5	17.6	43.5	28.0	25.9
4.	322.11	BB	38.0	36.0	14.5	27.6	3.6	2.9	31.4	29.4	46.0	14.6	16.6
5.	362.39	BB	32.0	29.5	14.9	27.6	3.9	2.9	26.1	23.6	46.0	19.9	22.4
6.	402.64	BB	30.8	33.3	15.5	27.5	4.1	2.9	25.8	28.3	46.0	20.2	17.7

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting (Ch11 : 2462MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/9/2001
Test Distance : 3 m
Temperature : 27 °C
Humidity : 56 %
Regulation : FCC 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	72.25	BB	27.8	32.5	6.1	27.9	1.6	2.9	10.5	15.2	40.0	29.5	24.8
2.	101.13	BB	24.6	27.7	10.3	27.9	1.9	2.9	11.8	14.9	43.5	31.7	28.6
3.	151.05	BB	23.3	25.2	14.9	27.8	2.5	2.9	15.8	17.7	43.5	27.7	25.8
4.	322.10	BB	38.0	35.5	14.5	27.6	3.6	2.9	31.4	28.9	46.0	14.6	17.1
5.	362.40	BB	32.0	29.4	14.9	27.6	3.9	2.9	26.1	23.5	46.0	19.9	22.5
6.	402.64	BB	31.0	33.1	15.5	27.5	4.1	2.9	26.0	28.1	46.0	20.0	17.9

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-VDW07)
Serial No. : 00004
Power : DC3.3V (AC120V/60Hz)
Mode : Receiving (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/9/2001
Test Distance : 3 m
Temperature : 27 °C
Humidity : 56 %
Regulation : Fcc 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	72.24	BB	28.0	32.4	6.1	27.9	1.6	2.9	10.7	15.1	40.0	29.3	24.9
2.	101.14	BB	24.4	27.9	10.3	27.9	1.9	2.9	11.6	15.1	43.5	31.9	28.4
3.	161.03	BB	22.9	25.5	14.9	27.8	2.5	2.9	15.4	18.0	43.5	28.1	25.5
4.	322.10	BB	37.8	35.1	14.5	27.6	3.6	2.9	31.2	28.5	46.0	14.8	17.5
5.	362.39	BB	31.5	29.5	14.9	27.6	3.9	2.9	25.6	23.6	46.0	20.4	22.4
6.	402.64	BB	31.5	33.2	15.5	27.5	4.1	2.9	26.5	28.2	46.0	19.5	17.8

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (PC: AC120V/60Hz)
Mode : Transmitting (Ch01 : 2412MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/8/2001
Test Distance : 3 m
Temperature : 28 °C
Humidity : 68 %
Regulation : FCC 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	93.09	BB	27.7	30.2	8.5	27.9	1.9	5.9	16.1	18.6	43.5	27.4	24.9
2.	100.02	BB	27.7	31.1	10.1	27.9	1.9	5.9	17.7	21.1	43.5	25.8	22.4
3.	166.68	BB	23.9	26.0	15.1	27.8	2.5	5.9	19.6	21.7	43.5	23.9	21.8
4.	433.41	BB	28.5	24.8	16.3	27.6	4.5	5.9	27.6	23.9	46.0	18.4	22.1
5.	500.07	BB	38.0	32.4	18.1	27.5	4.8	5.9	39.3	33.7	46.0	6.7	12.3
6.	566.75	BB	31.1	28.3	18.6	27.4	5.1	5.9	33.3	30.5	46.0	12.7	15.5
7.	633.28	BB	26.7	24.0	19.4	27.2	5.4	5.9	30.2	27.5	46.0	15.8	18.5

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (PC: AC120V/60Hz)
Mode : Transmitting (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/8/2001
Test Distance : 3 m
Temperature : 28 °C
Humidity : 68 %
Regulation : Fcc 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	93.11	BB	28.3	30.7	8.5	27.9	1.9	5.9	16.7	19.1	43.5	26.8	24.4
2.	100.00	BB	27.7	31.2	10.1	27.9	1.9	5.9	17.7	21.2	43.5	25.8	22.3
3.	166.68	BB	23.9	26.3	15.1	27.8	2.5	5.9	19.6	22.0	43.5	23.9	21.5
4.	433.41	BB	26.0	24.5	16.3	27.6	4.5	5.9	25.1	23.6	46.0	20.9	22.4
5.	500.07	BB	36.0	32.5	18.1	27.5	4.8	5.9	37.3	33.8	46.0	8.7	12.2
6.	566.76	BB	29.3	27.9	18.6	27.4	5.1	5.9	31.5	30.1	46.0	14.5	15.9
7.	633.26	BB	26.1	23.5	19.4	27.2	5.4	5.9	29.6	27.0	46.0	16.4	19.0

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (PC: AC120V/60Hz)
Mode : Transmitting (Ch11 : 2462MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/8/2001
Test Distance : 3 m
Temperature : 28 °C
Humidity : 68 %
Regulation : FCC 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	93.14	BB	23.7	29.6	8.5	27.9	1.9	5.9	12.1	18.0	43.5	31.4	25.5
2.	100.01	BB	27.6	30.9	10.1	27.9	1.9	5.9	17.6	20.9	43.5	25.9	22.6
3.	166.68	BB	23.9	26.3	15.1	27.8	2.5	5.9	19.6	22.0	43.5	23.9	21.5
4.	433.40	BB	26.6	24.0	16.3	27.6	4.5	5.9	25.7	23.1	46.0	20.3	22.9
5.	500.07	BB	35.9	31.7	18.1	27.5	4.8	5.9	37.2	33.0	46.0	8.8	13.0
6.	566.76	BB	29.0	26.8	18.6	27.4	5.1	5.9	31.2	29.0	46.0	14.8	17.0
7.	633.26	BB	26.0	23.7	19.4	27.2	5.4	5.9	29.5	27.2	46.0	16.5	18.8

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

All other spurious emissions are more than 20dB below the limits.

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.3 OPEN TEST SITE
Report No. : 21KE0066-YW-1

Applicant : Matsushita Electric Industrial Co., Ltd.
Kind of Equipment : Wireless LAN Module
Model No. : WLM-1 (Host device : CF-07)
Serial No. : 00005
Power : DC3.3V (PC: AC120V/60Hz)
Mode : Receiving (Ch06 : 2437MHz)
Remarks : FCC ID : ACJ9TGWLM-1
Date : 8/8/2001
Test Distance : 3 m
Temperature : 28 °C
Humidity : 68 %
Regulation : FCC 15C § 15.209(a)

Engineer : Naoki Sakamoto

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.	93.00	BB	25.5	29.5	8.5	27.9	1.9	5.9	13.9	17.9	43.5	29.6	25.6
2.	100.00	BB	27.0	30.6	10.1	27.9	1.9	5.9	17.0	20.6	43.5	26.5	22.9
3.	166.69	BB	23.3	25.4	15.1	27.8	2.5	5.9	19.0	21.1	43.5	24.5	22.4
4.	433.40	BB	25.2	23.9	16.3	27.6	4.5	5.9	24.3	23.0	46.0	21.7	23.0
5.	500.07	BB	36.5	31.6	18.1	27.5	4.8	5.9	37.8	32.9	46.0	8.2	13.1
6.	566.78	BB	29.1	25.9	18.6	27.4	5.1	5.9	31.3	28.1	46.0	14.7	17.9
7.	633.27	BB	25.9	24.0	19.4	27.2	5.4	5.9	29.4	27.5	46.0	16.6	18.5

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

All other spurious emissions are more than 20dB below the limits.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device: CF-VDW07)
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch1 :2412MHz)

REPORT NO : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC 247 / 209
TEST DISTANCE : 3m
DATE : 2001/08/11
Temp./Humi. : 25℃/54%

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	ATTEN	RESULT		Limit PK	MARGIN	
		HOR [dBμV]	VER [dBμV]					HOR [dBμV/m]	VER [dBμV/m]		HOR [dB]	VER [dB]
1	2.0628	47.3	47.9	30.3	34.4	6.4	0.0	49.6	50.2	74.0	24.4	23.8
2	4.1254	44.9	48.1	33.6	34.6	8.9	0.0	52.8	56.0	74.0	21.2	18.0
3	4.8240	45.4	45.5	35.4	34.5	9.9	0.0	56.2	56.3	74.0	17.8	17.7
4	7.2365	41.8	42.0	39.1	34.8	11.7	0.0	57.8	58.0	74.0	16.2	16.0
5	9.6480	*	*	39.2	35.0	13.7	0.0	-	-	74.0	-	-
6	12.0600	*	*	43.5	34.4	14.6	0.0	-	-	74.0	-	-
7	14.4720	*	*	42.2	33.1	15.4	0.0	-	-	74.0	-	-
8	16.8840	*	*	43.8	33.4	16.9	0.0	-	-	74.0	-	-
9	19.2960	*	*	40.2	33.4	17.1	0.0	-	-	74.0	-	-
10	21.7080	*	*	40.3	33.0	17.5	0.0	-	-	74.0	-	-
11	24.1200	*	*	40.3	33.2	19.8	0.0	-	-	74.0	-	-

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

No.	FREQ [GHz]	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	ATTEN	RESULT		Limit AV	MARGIN	
		HOR [dBμV]	VER [dBμV]					HOR [dBμV/m]	VER [dBμV/m]		HOR [dB]	VER [dB]
1	2.0628	41.1	42.0	30.3	34.4	6.4	0.0	43.4	44.3	54.0	10.6	9.7
2	4.1254	37.0	42.6	33.6	34.6	8.9	0.0	44.9	50.5	54.0	9.1	3.5
3	4.8240	33.1	34.2	35.4	34.5	9.9	0.0	43.9	45.0	54.0	10.1	9.0
4	7.2365	30.8	30.8	39.1	34.8	11.7	0.0	46.8	46.8	54.0	7.2	7.2
5	9.6480	*	*	39.2	35.0	13.7	0.0	-	-	54.0	-	-
6	12.0600	*	*	43.5	34.4	14.6	0.0	-	-	54.0	-	-
7	14.4720	*	*	42.2	33.1	15.4	0.0	-	-	54.0	-	-
8	16.8840	*	*	43.8	33.4	16.9	0.0	-	-	54.0	-	-
9	19.2960	*	*	40.2	33.4	17.1	0.0	-	-	54.0	-	-
10	21.7080	*	*	40.3	33.0	17.5	0.0	-	-	54.0	-	-
11	24.1200	*	*	40.3	33.2	19.8	0.0	-	-	54.0	-	-

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain - CABLE LOSS - ATTEN.

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

*Emissions did not detect.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

A-PEX INTERNATIONAL CO., LTD.

YOKOWA NO.3 OPEN SITE

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device : CF-VDW07)
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch6 :2437MHz)

REPORT NO : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC 247 / 209
TEST DISTANCE : 3m
DATE : 2001/08/11
Temp./Humi. : 25℃/54%

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit PK [dB μV/m]	MARGIN	
		HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1	2.0628	47.3	47.9	30.3	34.4	6.4	0.0	49.6	50.2	74.0	24.4	23.8
2	4.1254	44.9	48.1	33.6	34.6	8.9	0.0	52.8	56.0	74.0	21.2	18.0
3	4.8740	45.4	45.5	35.6	34.5	10.0	0.0	56.5	56.6	74.0	17.5	17.4
4	7.3110	41.8	42.0	39.2	34.9	11.7	0.0	57.8	58.0	74.0	16.2	16.0
5	9.7480	*	*	39.2	35.0	13.7	0.0	-	-	74.0	-	-
6	12.1850	*	*	43.4	34.3	14.8	0.0	-	-	74.0	-	-
7	14.6220	*	*	42.6	33.1	15.6	0.0	-	-	74.0	-	-
8	17.0590	*	*	43.8	33.2	17.0	0.0	-	-	74.0	-	-
9	19.4960	*	*	40.2	33.4	17.1	0.0	-	-	74.0	-	-
10	21.9330	*	*	40.3	33.0	17.5	0.0	-	-	74.0	-	-
11	24.3700	*	*	40.3	33.2	19.8	0.0	-	-	74.0	-	-

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit AV [dB μV/m]	MARGIN	
		HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1	2.0628	41.1	42.0	30.3	34.4	6.4	0.0	43.4	44.3	54.0	10.6	9.7
2	4.1254	37.0	42.6	33.6	34.6	8.9	0.0	44.9	50.5	54.0	9.1	3.5
3	4.8740	33.1	34.2	35.6	34.5	10.0	0.0	44.2	45.3	54.0	9.8	8.7
4	7.3110	30.8	30.8	39.2	34.9	11.7	0.0	46.8	46.8	54.0	7.2	7.2
5	9.7480	*	*	39.2	35.0	13.7	0.0	-	-	54.0	-	-
6	12.1850	*	*	43.4	34.3	14.8	0.0	-	-	54.0	-	-
7	14.6220	*	*	42.6	33.1	15.6	0.0	-	-	54.0	-	-
8	17.0590	*	*	43.8	33.2	17.0	0.0	-	-	54.0	-	-
9	19.4960	*	*	40.2	33.4	17.1	0.0	-	-	54.0	-	-
10	21.9330	*	*	40.3	33.0	17.5	0.0	-	-	54.0	-	-
11	24.3700	*	*	40.3	33.2	19.8	0.0	-	-	54.0	-	-

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + ATTEN.

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

*Emissions did not detect.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device : CF-VDW07
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch11:2462MHz)

REPORT NO : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC 247 / 209
TEST DISTANCE : 3m
DATE : 2001/08/11
Temp./Humi. : 25°C/54%

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit PK [dB μV/m]	MARGIN	
		HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1	2.0628	47.5	47.9	30.3	34.4	6.4	0.0	49.8	50.2	74.0	24.2	23.8
2	4.1254	45.2	48.3	33.6	34.6	8.9	0.0	53.1	56.2	74.0	20.9	17.8
3	4.9240	49.3	49.7	35.8	34.5	10.1	0.0	60.7	61.1	74.0	13.3	12.9
4	7.3860	42.9	43.2	39.2	34.9	11.7	0.0	58.9	59.2	74.0	15.1	14.8
5	9.8480	*	*	39.2	34.9	13.7	0.0	-	-	74.0	-	-
6	12.3100	*	*	43.3	34.2	14.9	0.0	-	-	74.0	-	-
7	14.7720	*	*	42.9	33.0	15.8	0.0	-	-	74.0	-	-
8	17.2340	*	*	43.9	33.1	17.0	0.0	-	-	74.0	-	-
9	19.6960	*	*	40.2	33.4	17.1	0.0	-	-	74.0	-	-
10	22.1580	*	*	40.3	33.0	17.5	0.0	-	-	74.0	-	-
11	24.6200	*	*	40.3	33.2	19.8	0.0	-	-	74.0	-	-

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit AV [dB μV/m]	MARGIN	
		HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1	2.0628	41.2	41.9	30.3	34.4	6.4	0.0	43.5	44.2	54.0	10.5	9.8
2	4.1254	37.1	42.7	33.6	34.6	8.9	0.0	45.0	50.6	54.0	9.0	3.4
3	4.9240	37.3	37.4	35.8	34.5	10.1	0.0	48.7	48.8	54.0	5.3	5.2
4	7.3860	31.5	31.3	39.2	34.9	11.7	0.0	47.5	47.3	54.0	6.5	6.7
5	9.8480	*	*	39.2	34.9	13.7	0.0	-	-	54.0	-	-
6	12.3100	*	*	43.3	34.2	14.9	0.0	-	-	54.0	-	-
7	14.7720	*	*	42.9	33.0	15.8	0.0	-	-	54.0	-	-
8	17.2340	*	*	43.9	33.1	17.0	0.0	-	-	54.0	-	-
9	19.6960	*	*	40.2	33.4	17.1	0.0	-	-	54.0	-	-
10	22.1580	*	*	40.3	33.0	17.5	0.0	-	-	54.0	-	-
11	24.6200	*	*	40.3	33.2	19.8	0.0	-	-	54.0	-	-

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + ATTEN.

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

*Emissions did not detect.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita	REPORT NO : 21KE0066-YW-1
EQUIPMENT : Wireless LAN Module	REGULATION : Fcc Part15SubpartC 247 / 209
MODEL : WLM-1 (Host device:CF-VDW07)	TEST DISTANCE : 3m
FCC ID : ACJ9TGWLM-1	DATE : 2001/08/11
POWER : DC3.3V (AC120V/60Hz)	Temp./Humi. : 25°C/54%
Mode : Receiving	

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit PK [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	2.0628	47.2	48.1	30.3	34.4	6.4	0.0	49.5	50.4	74.0	24.5	23.6
2	4.1254	45.1	48.0	33.6	34.6	8.9	0.0	53.0	55.9	74.0	21.0	18.1

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit AV [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	2.0628	41.0	42.0	30.3	34.4	6.4	0.0	43.3	44.3	54.0	10.7	9.7
2	4.1254	37.1	42.6	33.6	34.6	8.9	0.0	45.0	50.5	54.0	9.0	3.5

Sample Calculation :

RESULT=Reading - ANT Factor - Amp Gain + CABLE LOSS - ATTEN.

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

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device : CF-07)
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch1:2412MHz)

REPORT NO. : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC.247 / 209
TEST DISTANCE : 3m
DATE : 2001/08/11
Temp./Humi. : 25℃/54%

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit PK [dB μV/m]	MARGIN	
		HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1	1.2007	47.8	51.2	25.8	35.2	4.8	0.0	43.2	46.6	74.0	30.8	27.4
2	4.8240	41.6	41.5	35.4	34.5	9.9	0.0	52.4	52.3	74.0	21.6	21.7
3	7.2361	40.6	40.7	39.1	34.8	11.7	0.0	56.6	56.7	74.0	17.4	17.3
4	9.6480	*	*	39.2	35.0	13.7	0.0	-	-	74.0	-	-
5	12.0600	*	*	43.5	34.4	14.6	0.0	-	-	74.0	-	-
6	14.4720	*	*	42.2	33.1	15.4	0.0	-	-	74.0	-	-
7	16.8840	*	*	43.8	33.4	16.9	0.0	-	-	74.0	-	-
8	19.2960	*	*	40.2	33.4	17.1	0.0	-	-	74.0	-	-
9	21.7080	*	*	40.3	33.0	17.5	0.0	-	-	74.0	-	-
10	24.1200	*	*	40.3	33.2	19.8	0.0	-	-	74.0	-	-

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit AV [dB μV/m]	MARGIN	
		HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1	1.2007	39.9	46.4	25.8	35.2	4.8	0.0	35.3	41.8	54.0	18.7	12.2
2	4.8240	30.5	30.4	35.4	34.5	9.9	0.0	41.3	41.2	54.0	12.7	12.8
3	7.2361	30.6	30.4	39.1	34.8	11.7	0.0	46.6	46.4	54.0	7.4	7.6
4	9.6480	*	*	39.2	35.0	13.7	0.0	-	-	54.0	-	-
5	12.0600	*	*	43.5	34.4	14.6	0.0	-	-	54.0	-	-
6	14.4720	*	*	42.2	33.1	15.4	0.0	-	-	54.0	-	-
7	16.8840	*	*	43.8	33.4	16.9	0.0	-	-	54.0	-	-
8	19.2960	*	*	40.2	33.4	17.1	0.0	-	-	54.0	-	-
9	21.7080	*	*	40.3	33.0	17.5	0.0	-	-	54.0	-	-
10	24.1200	*	*	40.3	33.2	19.8	0.0	-	-	54.0	-	-

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain - CABLE LOSS - ATTEN.

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

*Emissions did not detect.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device : CF-07)
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch6:2437MHz)

REPORT NO : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC 247 / 209
TEST DISTANCE : 3m
DATE : 2001/08/11
Temp./Humi. : 25℃/54%

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	ATTEN	RESULT		Limit PK	MARGIN	
		HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1	1.2007	47.9	51.0	25.8	35.2	4.8	0.0	43.3	46.4	74.0	30.7	27.6
2	4.8740	42.1	41.9	35.6	34.5	10.0	0.0	53.2	53.0	74.0	20.8	21.0
3	7.3110	41.1	40.9	39.2	34.9	11.7	0.0	57.1	56.9	74.0	16.9	17.1
4	9.7480	*	*	39.2	35.0	13.7	0.0	-	-	74.0	-	-
5	12.1850	*	*	43.4	34.3	14.8	0.0	-	-	74.0	-	-
6	14.6220	*	*	42.6	33.1	15.6	0.0	-	-	74.0	-	-
7	17.0590	*	*	43.8	33.2	17.0	0.0	-	-	74.0	-	-
8	19.4960	*	*	40.2	33.4	17.1	0.0	-	-	74.0	-	-
9	21.9330	*	*	40.3	33.0	17.5	0.0	-	-	74.0	-	-
10	24.3700	*	*	40.3	33.2	19.8	0.0	-	-	74.0	-	-

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

No.	FREQ [GHz]	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	ATTEN	RESULT		Limit AV	MARGIN	
		HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1	1.2007	40.1	46.0	25.8	35.2	4.8	0.0	35.5	41.4	54.0	18.5	12.6
2	4.8740	30.6	30.4	35.6	34.5	10.0	0.0	41.7	41.5	54.0	12.3	12.5
3	7.3110	30.5	30.5	39.2	34.9	11.7	0.0	46.5	46.5	54.0	7.5	7.5
4	9.7480	*	*	39.2	35.0	13.7	0.0	-	-	54.0	-	-
5	12.1850	*	*	43.4	34.3	14.8	0.0	-	-	54.0	-	-
6	14.6220	*	*	42.6	33.1	15.6	0.0	-	-	54.0	-	-
7	17.0590	*	*	43.8	33.2	17.0	0.0	-	-	54.0	-	-
8	19.4960	*	*	40.2	33.4	17.1	0.0	-	-	54.0	-	-
9	21.9330	*	*	40.3	33.0	17.5	0.0	-	-	54.0	-	-
10	24.3700	*	*	40.3	33.2	19.8	0.0	-	-	54.0	-	-

Sample Calculation :

RESULT=Reading - ANT Factor - Amp Gain + CABLE LOSS + ATTEN.

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

*Emissions did not detect.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1(Host device : CF-07)
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch11:2462MHz)

REPORT NO. : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC 247 / 209
TEST DISTANCE : 3m
DATE : 2001/08/11
Temp./Humi. : 25°C/54%

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit PK [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	1.2007	47.5	51.3	25.8	35.2	4.8	0.0	42.9	46.7	74.0	31.1	27.3
2	4.9240	41.7	41.7	35.8	34.5	10.1	0.0	53.1	53.1	74.0	20.9	20.9
3	7.3860	40.7	40.8	39.2	34.9	11.7	0.0	56.7	56.8	74.0	17.3	17.2
4	9.8480	*	*	39.2	34.9	13.7	0.0	-	-	74.0	-	-
5	12.3100	*	*	43.3	34.2	14.9	0.0	-	-	74.0	-	-
6	14.7720	*	*	42.9	33.0	15.8	0.0	-	-	74.0	-	-
7	17.2340	*	*	43.9	33.1	17.0	0.0	-	-	74.0	-	-
8	19.6960	*	*	40.2	33.4	17.1	0.0	-	-	74.0	-	-
9	22.1580	*	*	40.3	33.0	17.5	0.0	-	-	74.0	-	-
10	24.6200	*	*	40.3	33.2	19.8	0.0	-	-	74.0	-	-

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

No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN [dB]	RESULT		Limit AV [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	1.2007	39.7	46.2	25.8	35.2	4.8	0.0	35.1	41.6	54.0	18.9	12.4
2	4.9240	30.8	30.5	35.8	34.5	10.1	0.0	42.2	41.9	54.0	11.8	12.1
3	7.3860	30.6	30.7	39.2	34.9	11.7	0.0	46.6	46.7	54.0	7.4	7.3
4	9.8480	*	*	39.2	34.9	13.7	0.0	-	-	54.0	-	-
5	12.3100	*	*	43.3	34.2	14.9	0.0	-	-	54.0	-	-
6	14.7720	*	*	42.9	33.0	15.8	0.0	-	-	54.0	-	-
7	17.2340	*	*	43.9	33.1	17.0	0.0	-	-	54.0	-	-
8	19.6960	*	*	40.2	33.4	17.1	0.0	-	-	54.0	-	-
9	22.1580	*	*	40.3	33.0	17.5	0.0	-	-	54.0	-	-
10	24.6200	*	*	40.3	33.2	19.8	0.0	-	-	54.0	-	-

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + ATTEN.

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

*Emissions did not detect.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

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

COMPANY : Matsushita	REPORT NO : 21KE0066-YW-1
EQUIPMENT : Wireless LAN Module	REGULATION : Fcc Part15SubpartC 247 / 209
MODEL : WLM-1(Host device : CF-07)	TEST DISTANCE : 3m
FCC ID : ACJ9TGWLM-1	DATE : 2001/08/11
POWER : DC3.3V(AC120V/60Hz)	Temp./Humi. : 25℃/54%
Mode : Receiving	

ENGINEER : Naoki Sakamoto

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

No.	FREQ [GHz]	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	ATTEN [dB]	RESULT		Limit PK	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dB μV]	[dB μV]	[dB]	[dB]	[dB]	[dB]	[dB μV/m]	[dB μV/m]	[dB μV/m]	[dB]	[dB]
1	1.2007	47.7	51.0	25.8	35.2	4.8	0.0	43.1	46.4	74.0	30.9	27.6

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

No.	FREQ [GHz]	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	ATTEN [dB]	RESULT		Limit AV	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dB μV]	[dB μV]	[dB]	[dB]	[dB]	[dB]	[dB μV/m]	[dB μV/m]	[dB μV/m]	[dB]	[dB]
1	1.2007	39.8	46.0	25.8	35.2	4.8	0.0	35.2	41.4	54.0	18.8	12.6

Sample Calculation :

RESULT=Reading + ANT Factor - Amp Gain - CABLE LOSS - ATTEN.

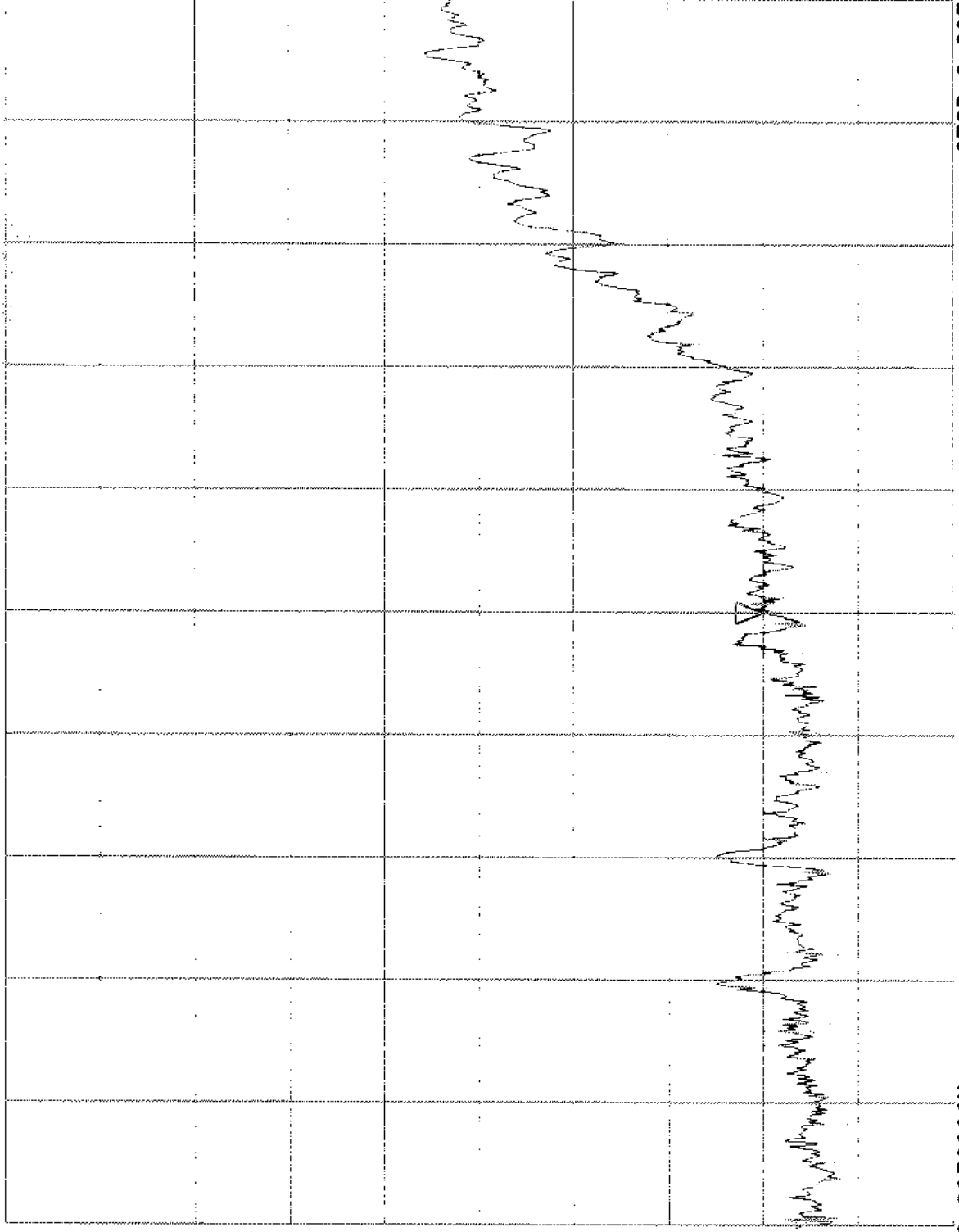
Except for the above table : All other spurious emissions are more than 20dB below the limit.

P **A44**

Matsushita/Model:WLM-1 (CF-VDW07)/FCCID:ACJ9TGWLM-1
Band Edges:15.247(c)/Restricted Band/21KE0066-YW-1
REF 87 dBuV
ATT 20 dB

NAKER
2.3900 GHz
47.00 dBuV

5dB/



START 2.385000GHz
RBW 100kHz

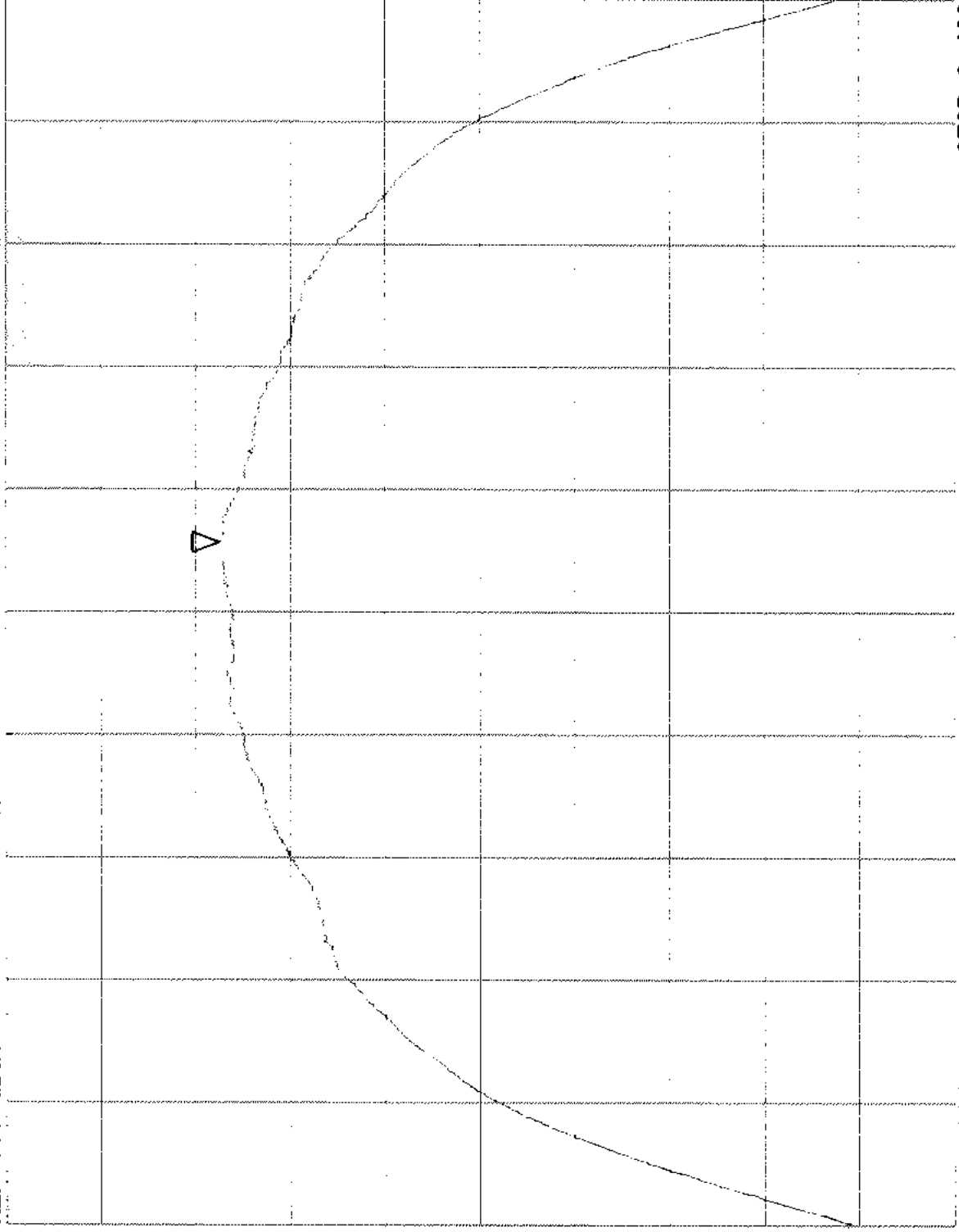
VBW 100kHz

STOP 2.395000GHz
SWP 5s

Matsushita/Model: WLM-1 (CF-VDW07)/FCCID: ACJ9TGWLM-1
Band Edges: 15.247 (c)/Ch1/21KE0066-YW-1
REF 117 dBuV
ATT 20 dB

NAKER
2.4131 GHz
105.75 dBuV

5dB/



START 2.402000GHz
RBW 1MHz

VBW 10Hz

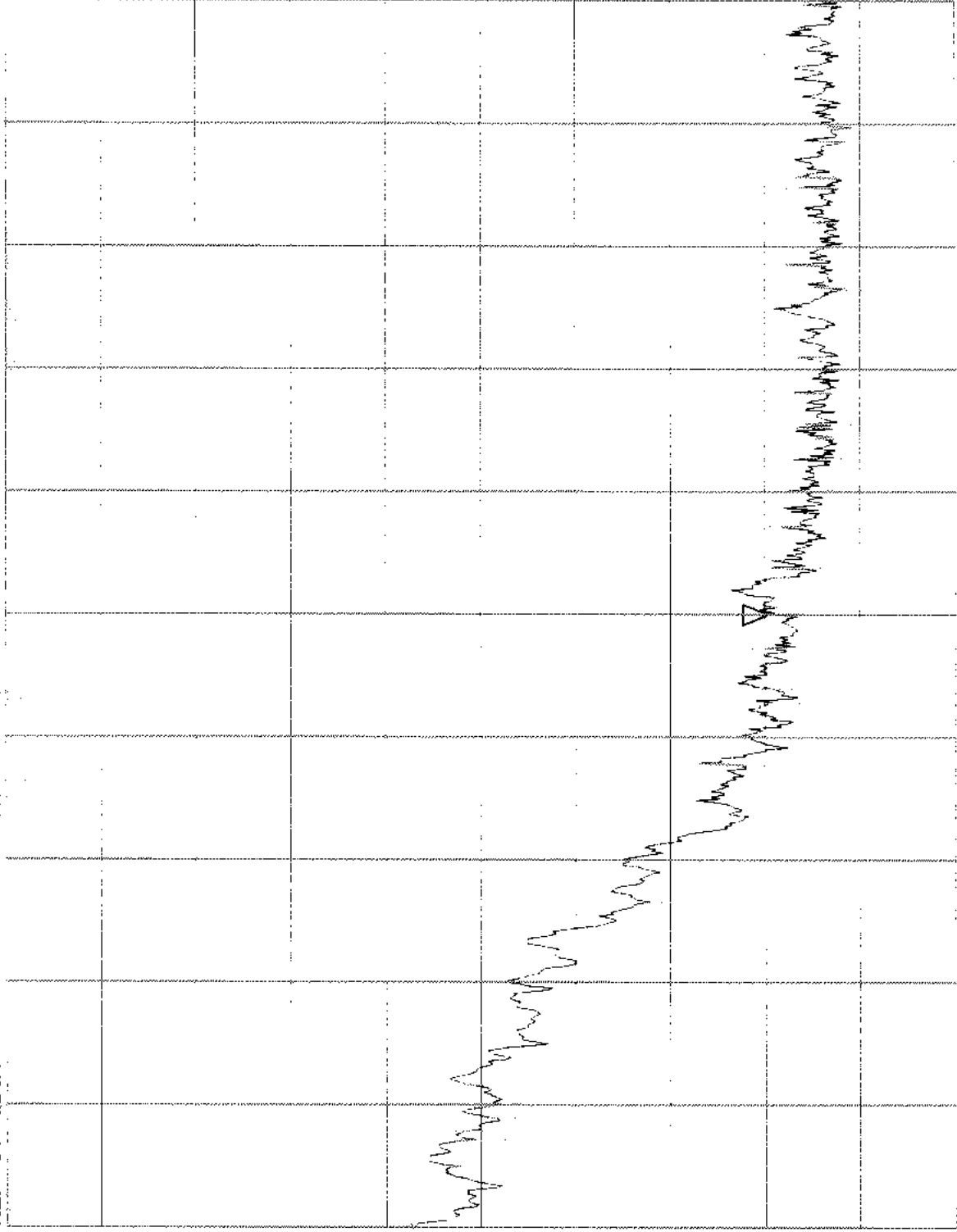
STOP 2.422000GHz
SWP 5s

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Matsushita/Model: WLM-1 (CF-VDW07) /FCC ID: ACJ9TGWLM-1
Band Edges: 15.247(c)/Restricted Band/21KE0066-YW-1
REF 87 dBuV
ATT 20 dB

MAKER
2.4835 GHz
46.75 dBuV

5dB/



START 2.478500GHz
RBW 100kHz

VBW 100kHz

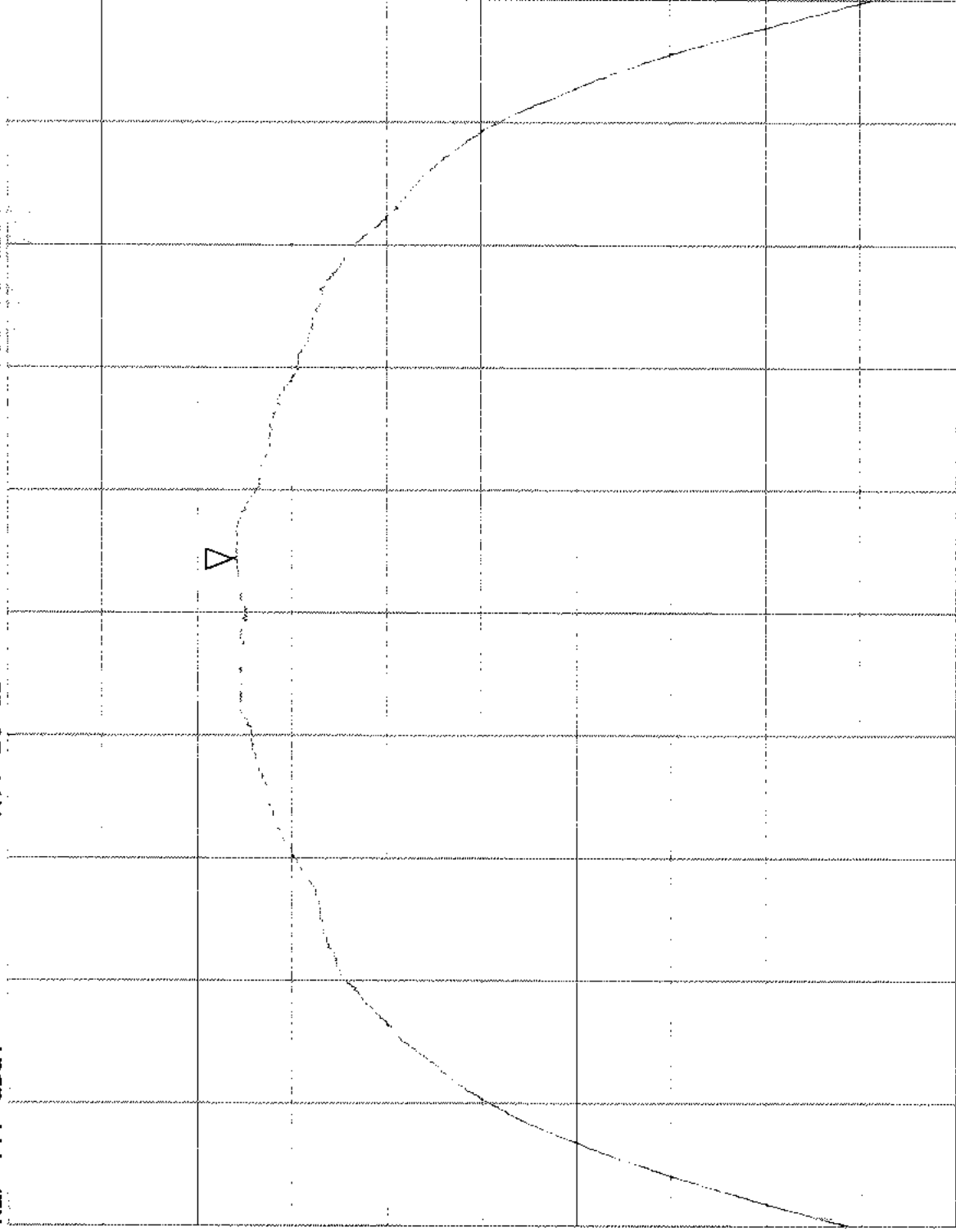
STOP 2.488500GHz
SWP 5s

A 47

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
Band Edges: 15.247 (c) / Ch11 / 21KE0066-YW-1
REF 117 dBuV
ATT 20 dB

MAKER
2.4629 GHz
105.13 dBuV

5dB/



START 2.452000GHz
RBW 1MHz

VBW 10Hz

STOP 2.472000GHz
SWP 5s

A48

Power Density(Conducted)

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

COMPANY : Matsushita
EQUIPMENT : Wireless LAN Module
MODEL : WLM-1
FCC ID : ACJ9TGWLM-1
POWER : DC3.3V(AC120V/60Hz)
Mode : Transmitting(Ch1, Ch6, Ch11)

REPORT NO : 21KE0066-YW-1
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2001/08/11
Temp./Humi. : 25°C/54%

ENGINEER : Naoki Sakamoto

S/A : RBW 3kHz and VBW 10kHz

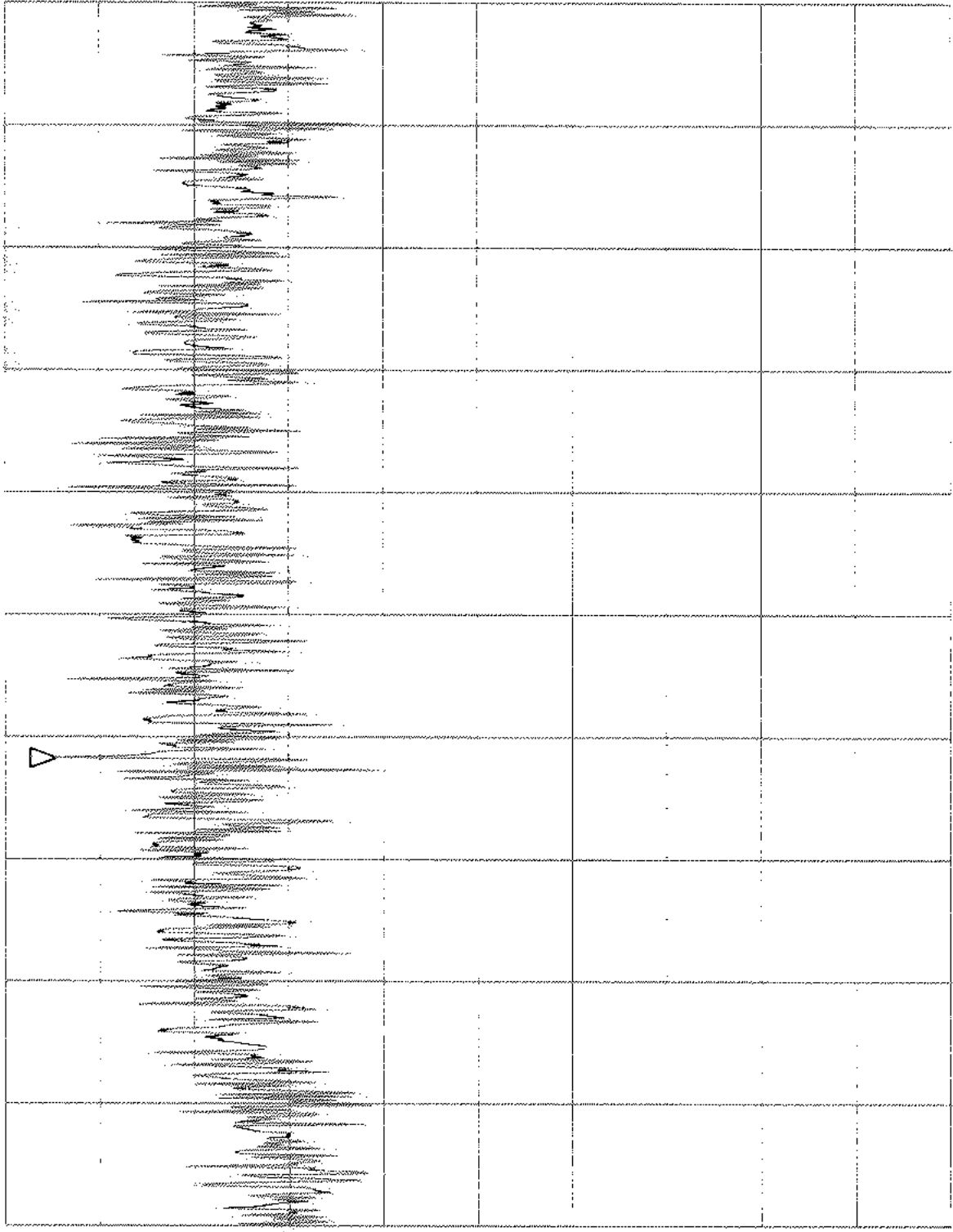
No.	FREQ [GHz]	S/A Reading [dBμV]	Cable Loss [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
1	2.4108	94.3	0.5	-12.2	8.0	20.2
2	2.4358	93.8	0.5	-12.7	8.0	20.7
3	2.4608	94.2	0.5	-12.3	8.0	20.3

Sample Calculation :

RESULT = S/A Reading - 107 (Converted to dBm) + CABLE LOSS

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
Power Density: 15.247 (d) / Ch1/21KE066-YW-1
REF 97 dBuV
ATT 20 dB

NAKER
2.4108 GHz
94.25 dBuV



5dB/

START 2.407000GHz
RBW 3kHz

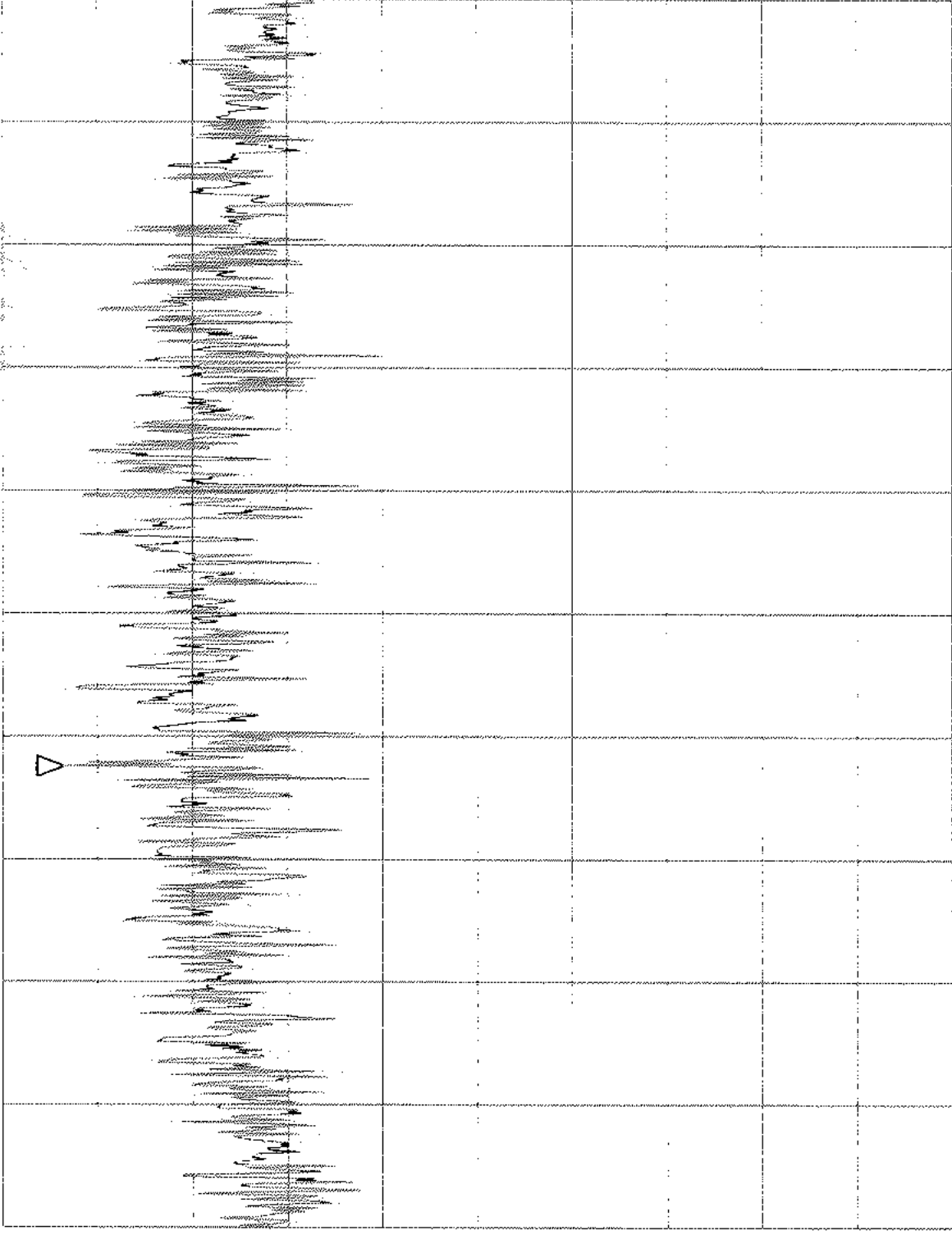
VBW 10kHz

STOP 2.417000GHz
SWP 500s

A50

Matsushita/Model:WLM-1 (CF-VDW07)/FCCID:ACJ9TGWLM-1
PowerDensity:15.247 (d)/Ch6/21KE0066-YW-1
REF 97 dBuV
ATT 20 dB

MAKER
2.4358 GHz
93.75 dBuV



5dB/

START 2.432000GHz
RBW 3kHz

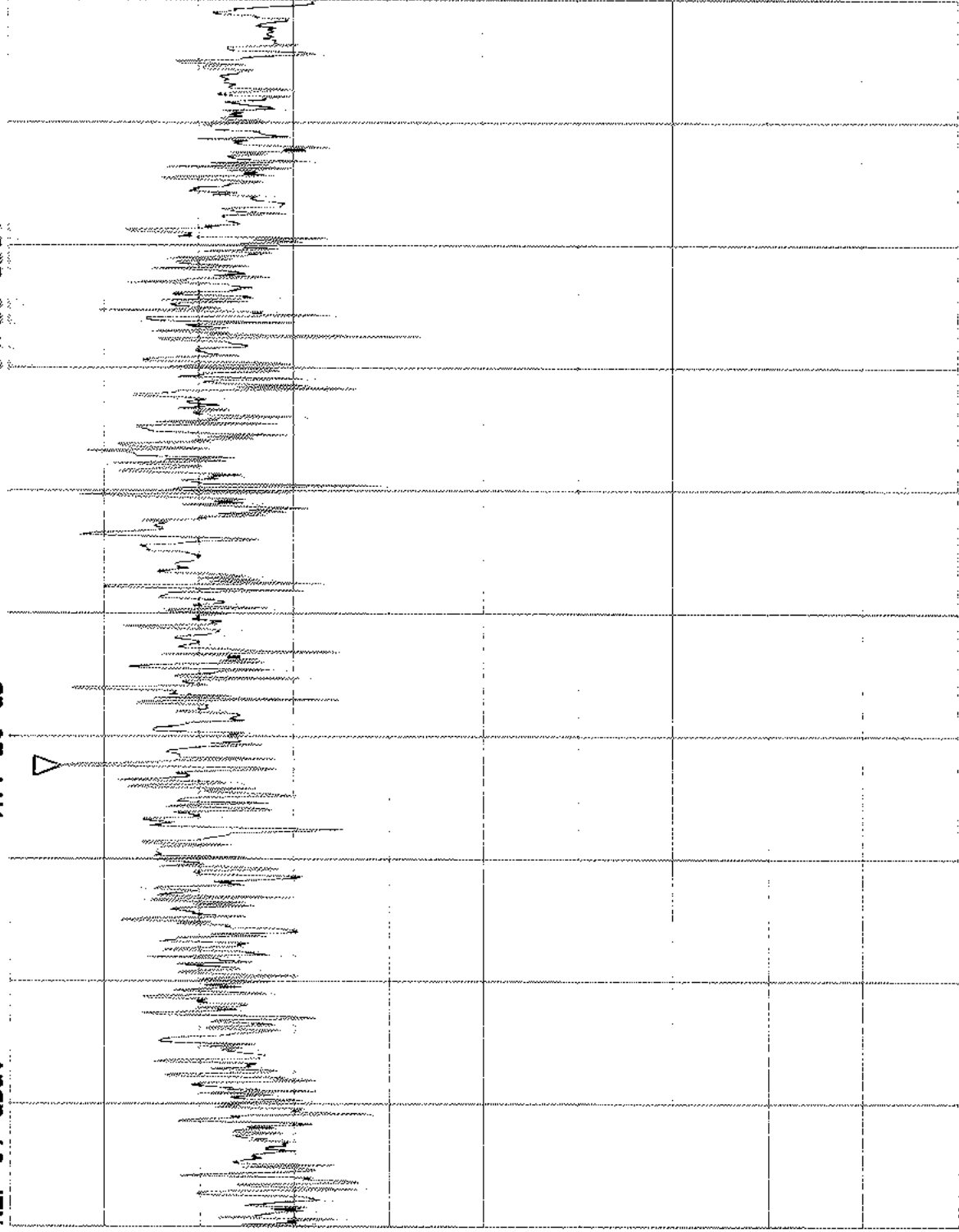
VBW 10kHz

STOP 2.442000GHz
SWP 500s

A 51

Matsushita/Model: WLM-1 (CF-VDW07) / FCC ID: ACJ9TGWLM-1
Power Density: 15.247 (d) / Ch11 / 21KE0066-YW-1
REF 97 dBuV
ATT 20 dB

MAKER
2.4608 GHz
94.25 dBuV



5dB/

START 2.457000GHz
RBW 3kHz

VBW 10kHz

STOP 2.467000GHz
SWP 500s

A52

6.4 Processing Gain of a Direct sequence Spread Spectrum.

FCC CFR 47, 15.247(e) (2).

6.4.1 TEST Procedure

Perform all independent instrumentation calibrations prior to the procedure. Set operating power levels using fixed and variable attenuators in system to meet the following objectives:

1. Signal power at receiver approximately -60dBm (above thermal sensitivity such that thermal noise does not cause bit errors).
2. Signal power at power meter between -20dBm and -30dBm for optimal linearity.
3. Use spectrum analyzer to monitor test.
4. Ensure that CW Jammer generator RF output is disabled and measure the power at the power meter port using the power meter. This is the relative signal power, S_r .
5. Disable Transmitter, and set CW Jammer generator RF output frequency equal to the carrier frequency and enable generator output. Set reference CW Jammer power level at power port 8.4dB below S_r (minimum 1/S, or 10dB processing gain reference level). Note the power level setting on the generator, this is the reference CW Jammer power setting, J_r .
6. Disable CW Jammer, re-establish link. PER (Packet Error Rate) as a substitute for the recommended BER (Bit Error Rate) test should be operating essentially error-free.
7. Enable CW Jammer at the reference power level and verify that the PER test indicates a PER of less than 8%.
8. Repeat step 7 for uniform steps in frequency increments of 50kHz across the receiver passband with the CW Jammer. In this case the receiver passband is $\pm 8.5\text{MHz}$.

The number of points where the PER fails to achieve 8% (is higher than 8%) is determined and if this is above 20% of the total, the test is failed otherwise it is passed.

The margin by which the radio passed the test (for informational purposes) can be determined from the average of the remaining points' PERs scaled on the PER curve above.

The numerical data associated with the following radio is tabulated for:

Channel 1: 2412MHz
Channel 6: 2437MHz
Channel 11: 2462MHz

6.4.2 Theoretical calculations

The processing gain is related to the jamming margin is as follows[1]:

$$Gp = \left(\frac{S}{N} \right)_{\text{output}} + \left(\frac{J}{S} \right) + L_{\text{system}}$$

Where $BER_{\text{REFERENCE}}$ is the reference bit error ratio with its corresponding theoretical output signal to noise ratio per symbol, $(S/N)_{\text{output}}$, (J/S) is jamming margin (jamming signal power relative to desired signal power), and L_{system} are the system implementation losses.

The maximum allowed total system implementation loss is 2dB.

The reference PER is specified as 8%. The corresponding Es/No (signal to noise ratio per symbol) is 16.4dB.

The Es/No required to achieve the desired BER with maximum system implementation losses is 18.4dB.

The minimum processing gain is again, 10dB, therefore:

$$Gp = \left(\frac{S}{N} \right)_{\text{output}} + \left(\frac{J}{S} \right) + L_{\text{system}} = 16.4\text{dB} + 2.0\text{dB} + \left(\frac{J}{S} \right) \geq 10\text{dB}$$

$$Gp = 18.4\text{dB} + \left(\frac{J}{S} \right) \geq 10\text{dB}$$

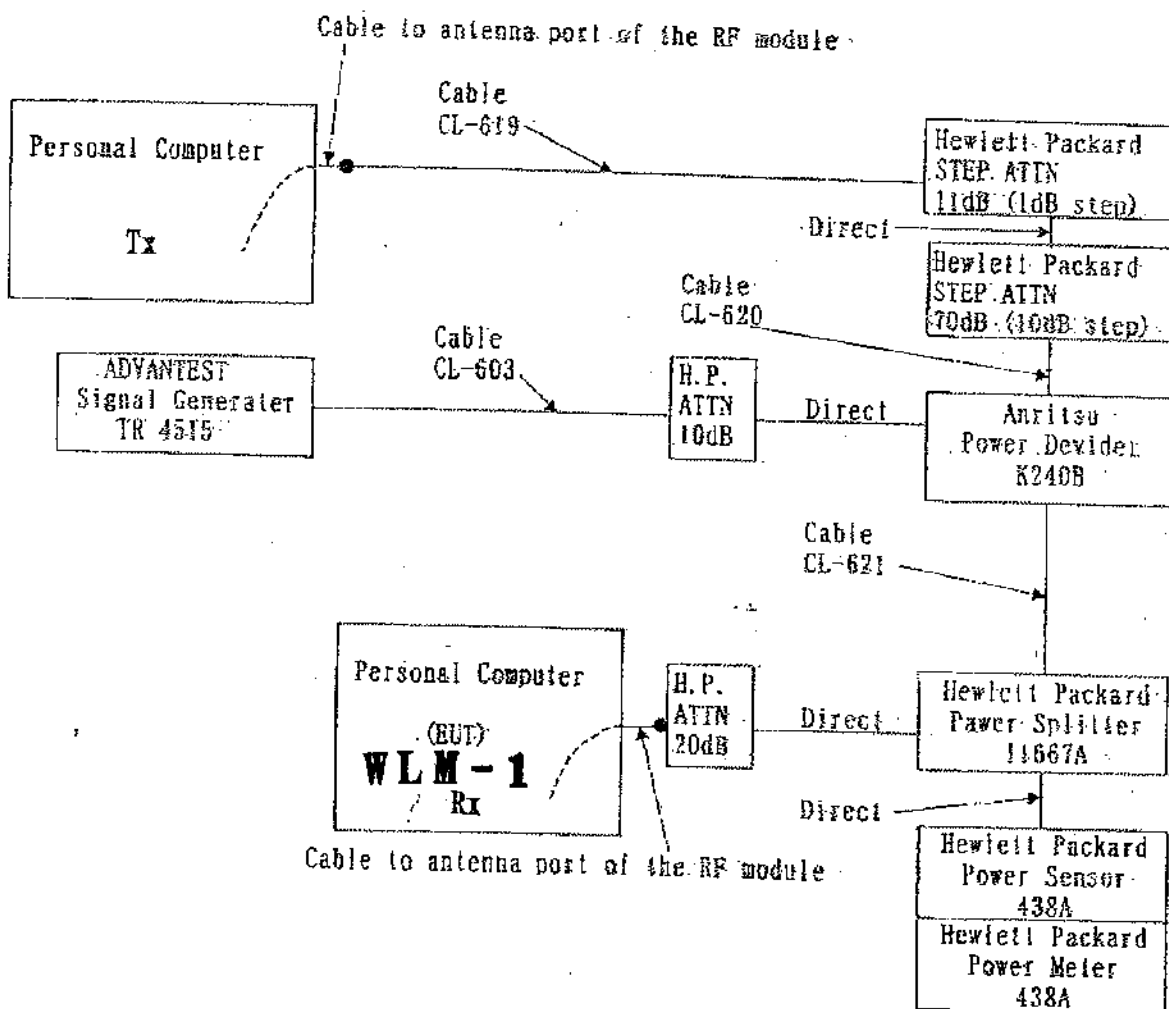
The minimum jammer to signal ratio is as follows:

$$\left(\frac{J}{S} \right) \geq -8.4\text{dB}$$

Applicable Reference Documents

- [1] "Report and Order: Amendment of Part 2 and 15 of the Commission's Rules Regarding Spread Spectrum Transmitters. Appendix C: Guidance on Measurements for Direct Sequence Spread Spectrum Systems" FCC 97-114, ET Docket No. 96-8, RM-8436, RM-8608, RM-8609.

6.4.3 Processing Gain Test Set Up



CH.1

Frequency(MHz)	Gp (dB)	(S/N) _o (dB)	M _j -J/S (dB)	L _{sys} (dB)	Jammer (dBm)	S (dBm)	PER
2403.50	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.55	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.60	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.65	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.70	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.75	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.80	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.85	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.90	10	16.4	-8.4	2	-23.9	-15.5	0%
2403.95	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.00	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.05	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.10	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.15	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.20	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.25	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.30	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.35	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.40	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.45	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.50	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.55	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.60	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.65	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.70	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.75	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.80	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.85	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.90	10	16.4	-8.4	2	-23.9	-15.5	0%
2404.95	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.00	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.05	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.10	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.15	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.20	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.25	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.30	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.35	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.40	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.45	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.50	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.55	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.60	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.65	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.70	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.75	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.80	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.85	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.90	10	16.4	-8.4	2	-23.9	-15.5	0%
2405.95	10	16.4	-8.4	2	-23.9	-15.5	0%
2406.00	10	16.4	-8.4	2	-23.9	-15.5	0%
2406.05	10	16.4	-8.4	2	-23.9	-15.5	0%
2406.10	10	16.4	-8.4	2	-23.9	-15.5	0%
2406.15	10	16.4	-8.4	2	-23.9	-15.5	0%
2406.20	10	16.4	-8.4	2	-23.9	-15.5	0%
2406.25	10	16.4	-8.4	2	-23.9	-15.5	0%

CH. 1

[illegible]

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[illegible]

CH. 6

Frequency(MHz)	Gp (dB)	(S/N)o (dB)	Mj-J/S (dB)	Lsys (dB)	Jammer (dBm)	S (dBm)	PER
2428.50	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.55	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.60	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.65	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.70	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.75	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.80	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.85	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.90	10	16.4	-8.4	2	-24.2	-15.8	0%
2428.95	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.00	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.05	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.10	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.15	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.20	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.25	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.30	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.35	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.40	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.45	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.50	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.55	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.60	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.65	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.70	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.75	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.80	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.85	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.90	10	16.4	-8.4	2	-24.2	-15.8	0%
2429.95	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.00	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.05	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.10	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.15	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.20	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.25	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.30	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.35	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.40	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.45	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.50	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.55	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.60	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.65	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.70	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.75	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.80	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.85	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.90	10	16.4	-8.4	2	-24.2	-15.8	0%
2430.95	10	16.4	-8.4	2	-24.2	-15.8	0%
2431.00	10	16.4	-8.4	2	-24.2	-15.8	0%
2431.05	10	16.4	-8.4	2	-24.2	-15.8	0%
2431.10	10	16.4	-8.4	2	-24.2	-15.8	0%
2431.15	10	16.4	-8.4	2	-24.2	-15.8	0%
2431.20	10	16.4	-8.4	2	-24.2	-15.8	0%
2431.25	10	16.4	-8.4	2	-24.2	-15.8	0%

CH . 6

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CH . 6

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CH . 6

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CH . 6

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CH.11

Frequency(MHz)	Gp (dB)	(S/N)o (dB)	Mj-J/S (dB)	Lsys (dB)	Jammer (dBm)	S (dBm)	PER
2453.50	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.55	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.60	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.65	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.70	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.75	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.80	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.85	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.90	10	16.4	-8.4	2	-24.2	-15.8	0%
2453.95	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.00	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.05	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.10	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.15	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.20	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.25	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.30	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.35	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.40	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.45	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.50	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.55	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.60	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.65	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.70	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.75	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.80	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.85	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.90	10	16.4	-8.4	2	-24.2	-15.8	0%
2454.95	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.00	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.05	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.10	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.15	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.20	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.25	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.30	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.35	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.40	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.45	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.50	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.55	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.60	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.65	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.70	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.75	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.80	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.85	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.90	10	16.4	-8.4	2	-24.2	-15.8	0%
2455.95	10	16.4	-8.4	2	-24.2	-15.8	0%
2456.00	10	16.4	-8.4	2	-24.2	-15.8	0%
2456.05	10	16.4	-8.4	2	-24.2	-15.8	0%
2456.10	10	16.4	-8.4	2	-24.2	-15.8	0%
2456.15	10	16.4	-8.4	2	-24.2	-15.8	0%
2456.20	10	16.4	-8.4	2	-24.2	-15.8	0%
2456.25	10	16.4	-8.4	2	-24.2	-15.8	0%

CH . 11

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CH. 11

[illegible]

CH. 11

[illegible]

CH . 11

[illegible]