

DATA OF CONDUCTION TEST

A - P E X INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
 TRADE NAME : BUFFALO  
 EQUIPMENT : WIRELESS LAN  
 MODEL : WLI-PCM-US  
 POWER : AC120V/60Hz(DC5V)  
 DESCRIPTION : RUNNING  
 REMARKS : CHNL\_ID 1 / FREQ.2412MHz

REPORT NO. : 18D0045-02-1  
 REGULATION : FCC Part 15 Subpart B  
 CLASS : CLASS B  
 DATE : 07/13/1999  
 LISN TYPE : LISN(C/N:LS-02)  
 FCC ID : FDI-04600000-0

ENGINEER : Naoki.Sakamoto

No	FREQ [MHz]	N		L		ALL FACTOR [dB]	RESULT		LIMITS		MARGIN	
		QP [dB $\mu$ V]	AV [dB $\mu$ V]	QP [dB $\mu$ V]	AV [dB $\mu$ V]		QP [dB $\mu$ V]	AV [dB $\mu$ V]	QP [dB $\mu$ V]	AV [dB $\mu$ V]	QP [dB]	AV [dB]
1	0.4810	43.3	28.8	44.6	29.8	0.7	32.3	-	48.0	-	15.7	-
2	0.6257	40.9	34.3	41.6	34.9	0.6	29.2	-	48.0	-	18.8	-
3	1.5017	39.8	-	40.0	-	0.7	40.7	-	48.0	-	7.3	-
4	2.8834	38.1	-	38.0	-	0.7	38.8	-	48.0	-	9.2	-
5	7.3194	34.2	-	33.9	-	0.9	35.1	-	48.0	-	12.9	-
6	13.1425	40.4	35.0	40.5	35.0	1.6	42.1	-	48.0	-	5.9	-

SAMPLE CALCULATION :

RESULT = READING(higher data of N/L) + FACTOR(include LISN.F+C.loss)

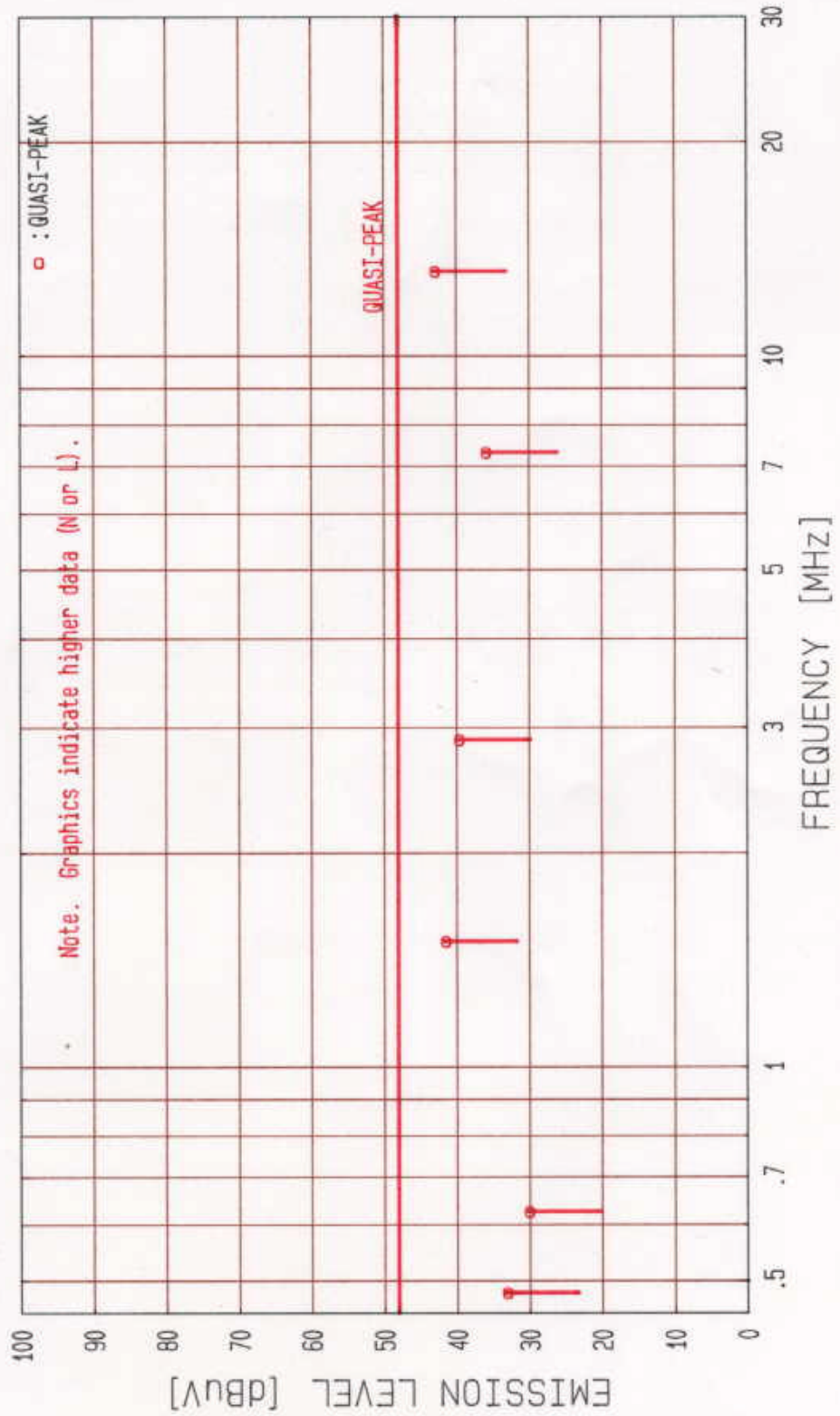
Except for the above table : adequate margin data below the limits.

# CONDUCTION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
TRADE NAME : BUFFALO  
EQUIPMENT : WIRELESS LAN  
MODEL : WLI-PCM-US  
POWER : AC120V/60Hz (DC5V)  
DESCRIPTION : RUNNING  
REMARKS : CHNL\_ID 1 / FREQ.2412MHZ

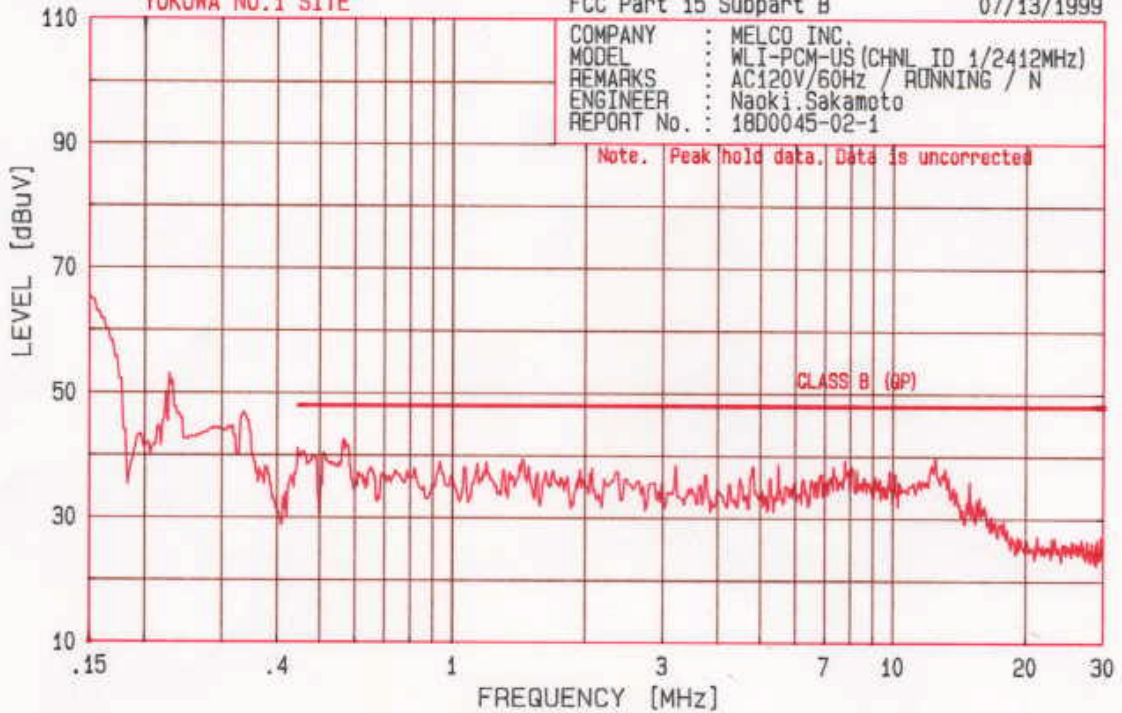
REPORT No. : 1800045-02-1  
REGULATION : FCC Part 15 Subpart B  
CLASS : CLASS B  
DATE : 07/13/1999  
FCC ID : FDI-04600000-0  
ENGINEER : Naoki.Sakamoto



INTERFERENCE VOLTAGE TEST  
**A-PEX INTERNATIONAL CO., LTD.**  
 YOKOWA NO.1 SITE

FCC Part 15 Subpart B

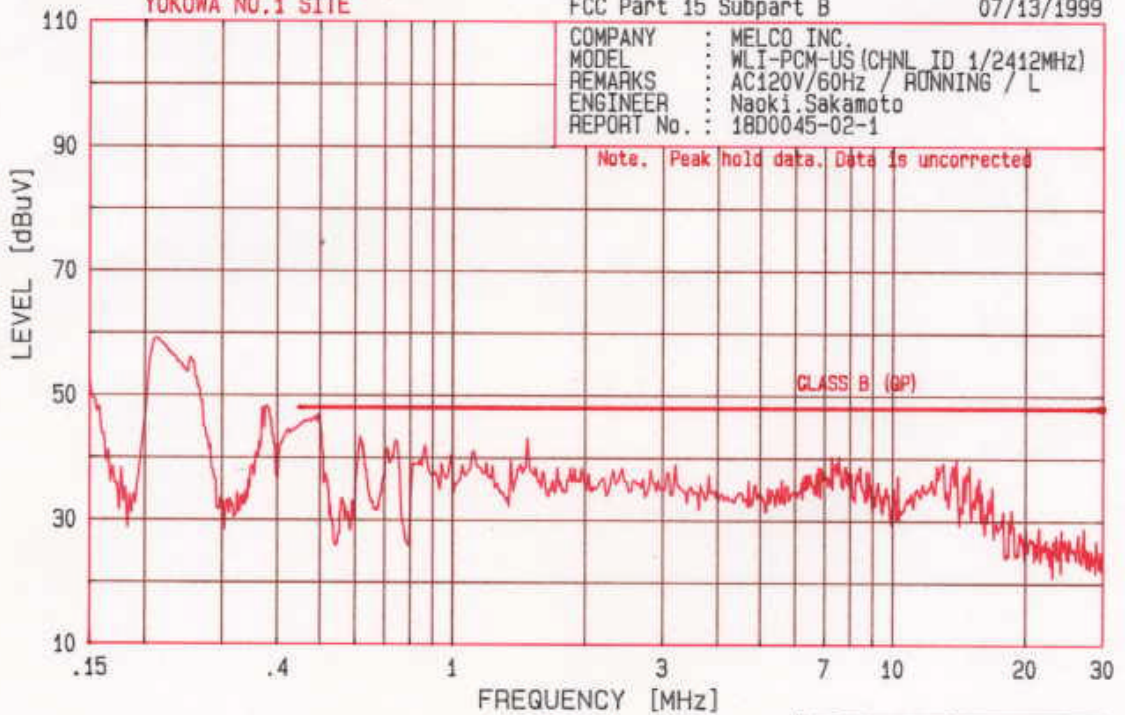
07/13/1999



INTERFERENCE VOLTAGE TEST  
**A-PEX INTERNATIONAL CO., LTD.**  
 YOKOWA NO.1 SITE

FCC Part 15 Subpart B

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DATA OF CONDUCTION TEST

A - P E X INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
 TRADE NAME : BUFFALO  
 EQUIPMENT : WIRELESS LAN  
 MODEL : WLI-PCM-US  
 POWER : AC120V/60Hz(DC5V)  
 DESCRIPTION : STANDBY  
 REMARKS :

REPORT NO. : 18D0045-02-1  
 REGULATION : FCC Part 15 Subpart B  
 CLASS : CLASS B  
 DATE : 07/13/1999  
 LISN TYPE : LISN(C/N:LS-02)  
 FCC ID : FDI-04600000-0

ENGINEER : Naoki.Sakamoto

No	FREQ [MHz]	N		L		ALL FACTOR [dB]	RESULT		LIMITS		MARGIN	
		QP [dB $\mu$ V]	AV	QP [dB $\mu$ V]	AV		QP [dB $\mu$ V]	AV	QP [dB $\mu$ V]	AV	QP [dB]	AV
1	0.5087	46.0	32.0	45.6	31.7	0.6	33.6	-	48.0	-	14.4	-
2	0.6316	41.4	29.0	41.9	28.7	0.6	29.5	-	48.0	-	18.5	-
3	1.4996	39.4	-	39.6	-	0.7	40.3	-	48.0	-	7.7	-
4	2.6238	35.8	-	36.1	-	0.7	36.8	-	48.0	-	11.2	-
5	7.6065	38.0	-	38.2	-	0.9	39.1	-	48.0	-	8.9	-
6	13.0030	41.0	38.8	40.4	38.2	1.6	42.6	-	48.0	-	5.4	-

SAMPLE CALCULATION :

RESULT = READING(higher data of N/L) + FACTOR(include LISN.F+C.loss)

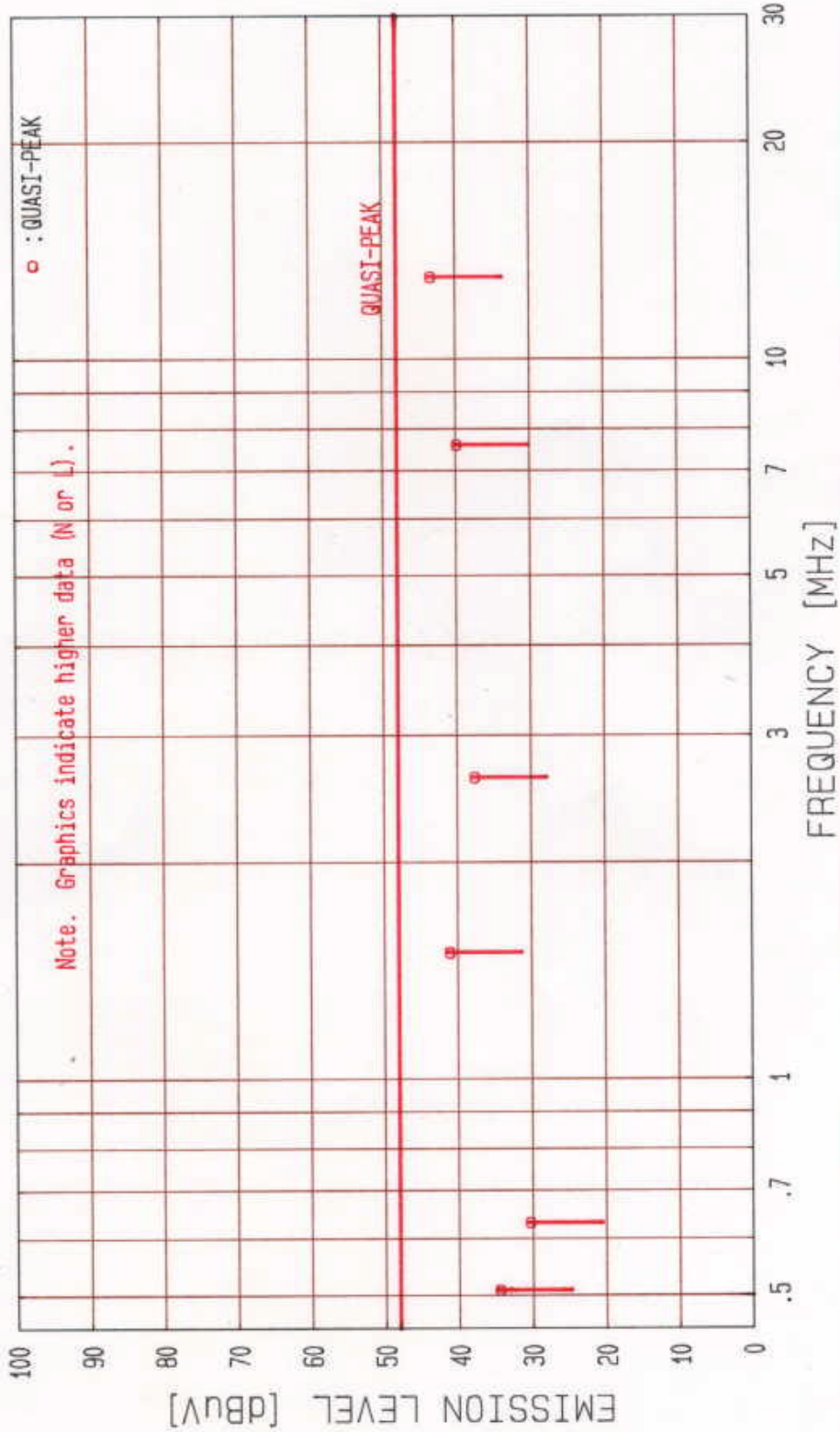
Except for the above table : adequate margin data below the limits.

# CONDUCTION TEST

**A-PEX INTERNATIONAL CO., LTD.**  
**YOKOWA NO.1 SITE**

COMPANY : MELCO INC.  
 TRADE NAME : BUFFALO  
 EQUIPMENT : WIRELESS LAN  
 MODEL : WLI-PCM-US  
 POWER : AC120V/60Hz (DC5V)  
 DESCRIPTION : STANDBY  
 REMARKS :

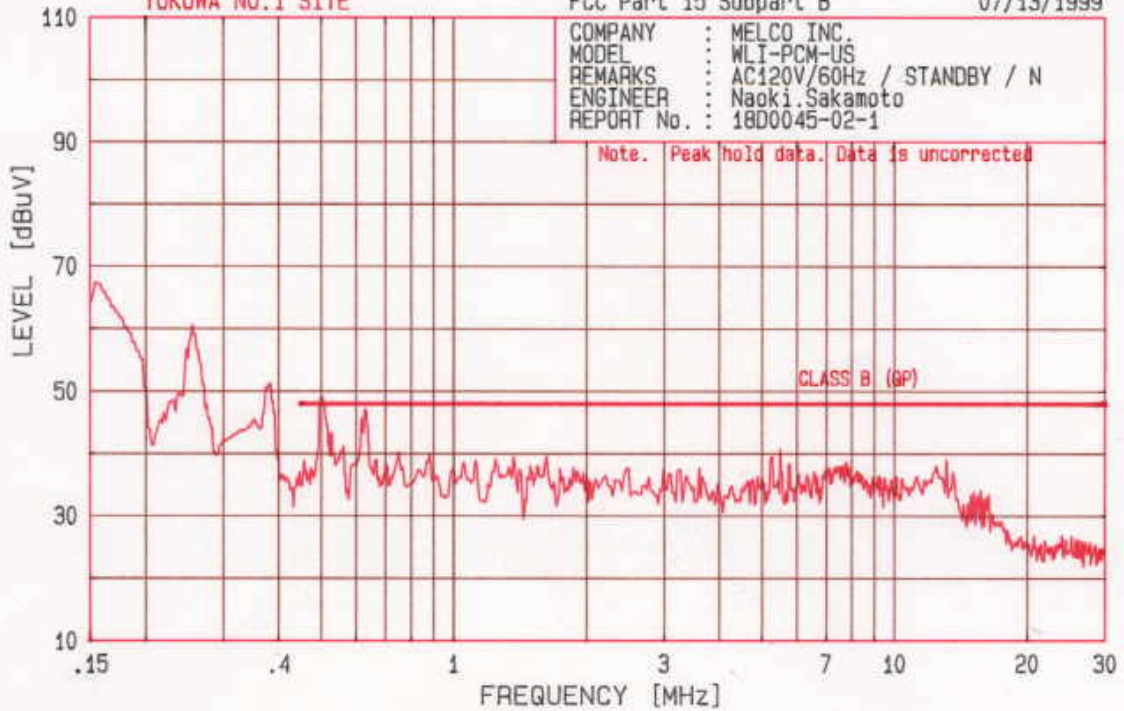
REPORT No. : 18D0045-02-1  
 REGULATION : FCC Part 15 Subpart B  
 CLASS : CLASS B  
 DATE : 07/13/1999  
 FCC ID : FDI-0460000-0  
 ENGINEER : Naoki.Sakamoto



INTERFERENCE VOLTAGE TEST  
**A-PEX INTERNATIONAL CO., LTD.**  
 YOKOWA NO.1 SITE

FCC Part 15 Subpart B

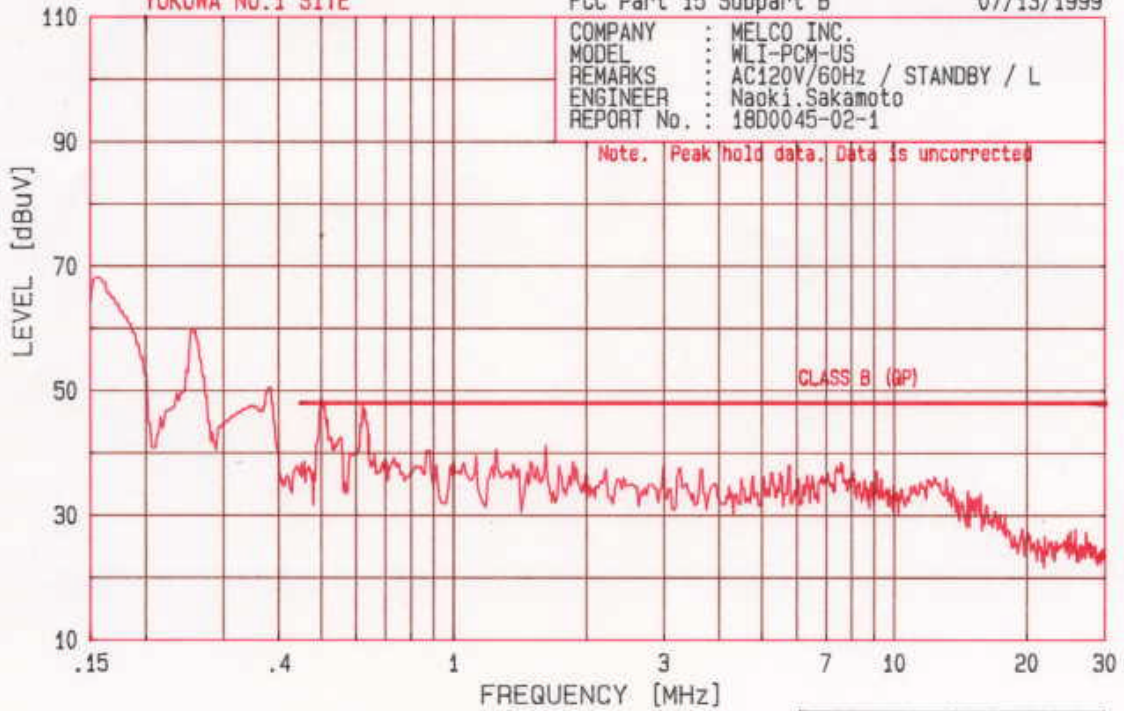
07/13/1999



INTERFERENCE VOLTAGE TEST  
**A-PEX INTERNATIONAL CO., LTD.**  
 YOKOWA NO.1 SITE

FCC Part 15 Subpart B

07/13/1999



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DATA OF RADIATION TEST

A - P E X INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
TRADE NAME : BUFFALO  
EQUIPMENT : WIRELESS LAN  
MODEL : WLI-PCM-US  
POWER : AC120V/60Hz(DC5V)  
DESCRIPTION : RUNNING  
REMARKS : CHNL\_ID 1 / FREQ.2412MHz  
DATE : 07/13/1999

REPORT NO. : 18D0045-02-1  
REGULATION : FCC Part 15 Subpart C  
CLASS : NONE  
TEST DISTANCE : 3m  
ATTENUATOR : 6dB  
FCC ID : FDI-04600000-0

  
ENGINEER : Naoki.Sakamoto

No	FREQ [MHz]	ANT TYPE	READING		ANT FACTOR [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		FCC LIMITS [dB μV/m] 3m	MARGIN	
			HOR [dB μV] 3m	VER				HOR [dB μV/m] 3m	VER		HOR [dB]	VER
1	31.95	BC	22.7	35.1	17.7	1.9	29.8	18.5	30.9	40.0	21.5	9.1
2	40.01	BC	23.0	34.5	14.4	2.2	29.8	15.8	27.3	40.0	24.2	12.7
3	48.14	BC	25.0	38.2	11.6	2.3	29.8	15.1	28.3	40.0	24.9	11.7
4	62.81	BC	27.7	41.1	7.8	2.7	29.7	14.5	27.9	40.0	25.5	12.1
5	132.00	BC	46.2	45.3	13.9	3.7	29.8	40.0	39.1	43.5	3.5	4.4
6	154.00	BC	31.1	31.2	15.3	4.0	29.6	26.8	26.9	43.5	16.7	16.6
7	176.01	BC	34.3	35.5	16.3	4.3	29.6	31.3	32.5	43.5	12.2	11.0
8	200.00	BC	37.0	28.4	16.5	4.9	29.6	34.8	26.2	43.5	8.7	17.3
9	220.01	BC	38.8	31.5	16.9	4.9	29.6	37.0	29.7	46.0	9.0	16.3
10	232.79	BC	37.3	33.0	17.3	5.0	29.6	36.0	31.7	46.0	10.0	14.3
11	308.00	LP	43.3	42.1	16.2	5.8	29.7	41.6	40.4	46.0	4.4	5.6
12	396.00	LP	41.2	37.5	18.1	6.7	30.0	42.0	38.3	46.0	4.0	7.7
13	560.00	LP	34.8	37.6	19.8	8.2	29.8	39.0	41.8	46.0	7.0	4.2

SAMPLE CALCULATION :

RESULT = READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

Except for the above table : more than 10dB below the limits.

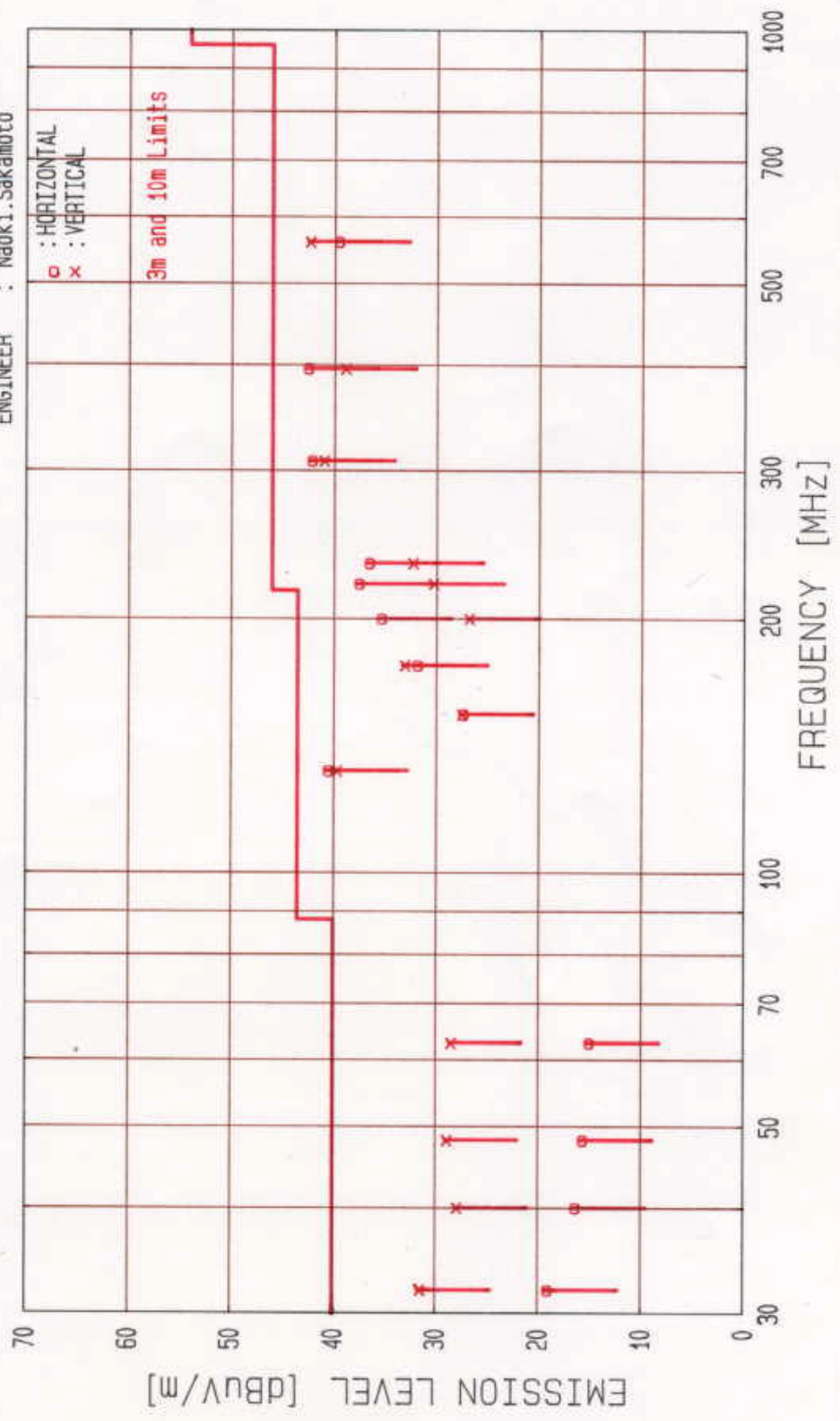
# RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
 TRADE NAME : BUFFALO  
 EQUIPMENT : WIRELESS LAN  
 MODEL : WLI-PCM-US  
 POWER : AC120V/50Hz (DC5V)  
 DESCRIPTION : RUNNING  
 REMARKS : CHNL\_ID 1 / FREQ.2412MHZ

REPORT No. : 18D0045-02-1  
 DATE : 07/13/1999  
 REGULATION : FCC Part 15 Subpart C  
 CLASS : NONE  
 DISTANCE : 3m  
 FCC ID : FDI-04500000-0

ENGINEER : Naoki.Sakamoto






DATA OF RADIATION TEST

A - P E X INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
TRADE NAME : BUFFALO  
EQUIPMENT : WIRELESS LAN  
MODEL : WLI-PCM-US  
POWER : AC120V/60Hz(DC5V)  
DESCRIPTION : RUNNING  
REMARKS : CHNL\_ID 6 / FREQ.2437MHz  
DATE : 07/13/1999

REPORT NO. : 18D0045-02-1  
REGULATION : FCC Part 15 Subpart C  
CLASS : NONE  
TEST DISTANCE : 3m  
ATTENUATOR : 6dB  
FCC ID : FDI-04600000-0

  
ENGINEER : Naoki.Sakamoto

No	FREQ [MHz]	ANT TYPE	READING		ANT FACTOR [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		FCC LIMITS [dB μ V/m] 3m	MARGIN	
			HOR [dB μ V] 3m	VER				HOR [dB μ V/m] 3m	VER		HOR [dB]	VER
1	31.99	BC	23.0	34.8	17.7	1.9	29.8	18.8	30.6	40.0	21.2	9.4
2	40.00	BC	23.3	34.7	14.5	2.2	29.8	16.2	27.6	40.0	23.8	12.4
3	48.10	BC	26.0	38.0	11.6	2.3	29.8	16.1	28.1	40.0	23.9	11.9
4	62.90	BC	27.5	41.0	7.8	2.7	29.7	14.3	27.8	40.0	25.7	12.2
5	132.00	BC	46.0	45.1	13.9	3.7	29.8	39.8	38.9	43.5	3.7	4.6
6	154.00	BC	32.0	32.0	15.3	4.0	29.6	27.7	27.7	43.5	15.8	15.8
7	176.00	BC	35.0	35.5	16.3	4.3	29.6	32.0	32.5	43.5	11.5	11.0
8	200.00	BC	36.9	29.0	16.5	4.9	29.6	34.7	26.8	43.5	8.8	16.7
9	220.00	BC	38.0	32.0	16.9	4.9	29.6	36.2	30.2	46.0	9.8	15.8
10	232.80	BC	38.1	32.9	17.3	5.0	29.6	36.8	31.6	46.0	9.2	14.4
11	308.00	LP	43.0	42.2	16.2	5.8	29.7	41.3	40.5	46.0	4.7	5.5
12	396.00	LP	41.4	37.4	18.1	6.7	30.0	42.2	38.2	46.0	3.8	7.8
13	560.00	LP	35.0	38.0	19.8	8.2	29.8	39.2	42.2	46.0	6.8	3.8

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

Except for the above table : more than 10dB below the limits.

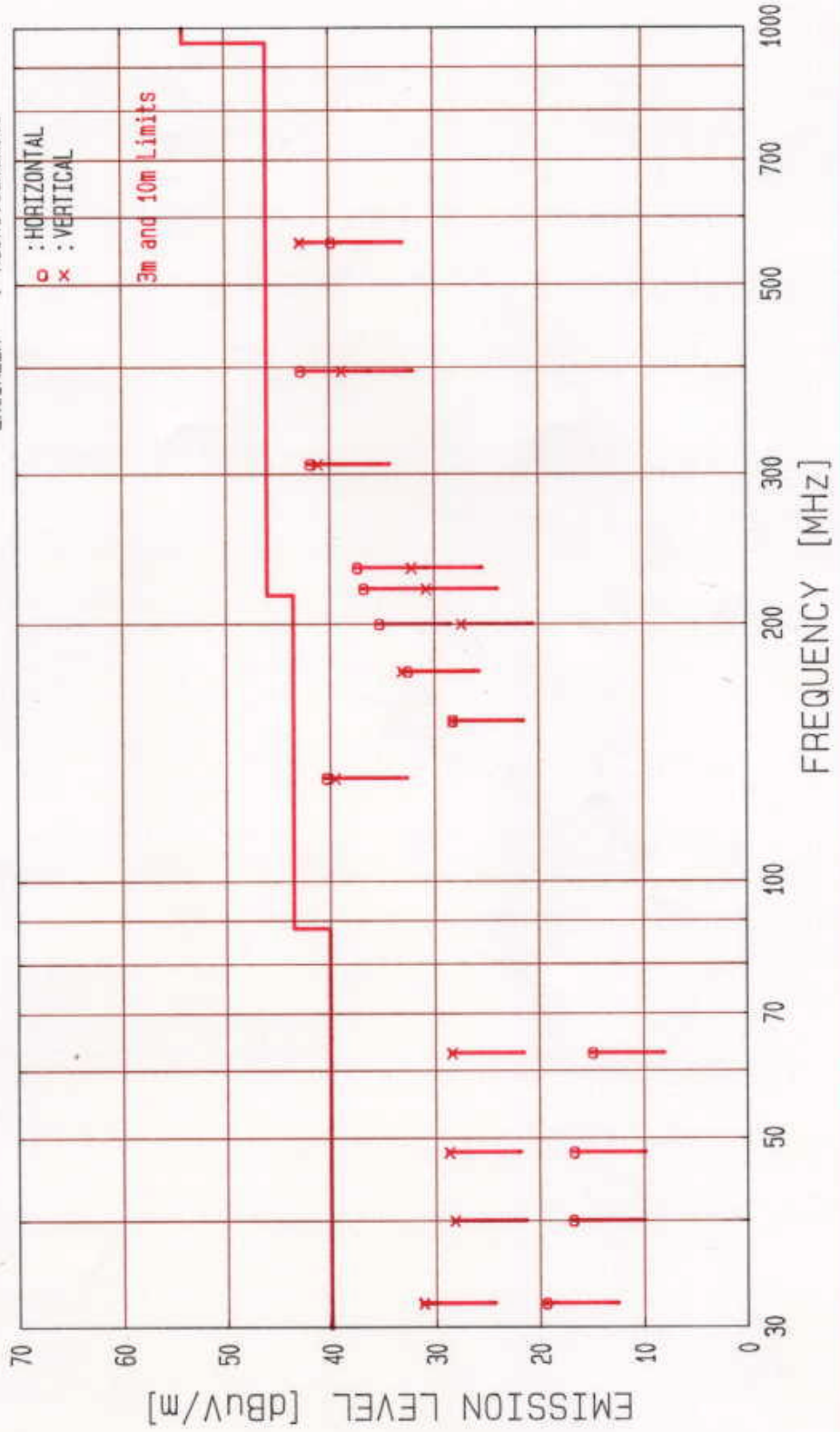
# RADIATION TEST

**A-PEX INTERNATIONAL CO., LTD.**  
**YOKOWA NO.1 SITE**

COMPANY : MELCO INC.  
 TRADE NAME : BUFFALO  
 EQUIPMENT : WIRELESS LAN  
 MODEL : WLI-PCM-US  
 POWER : AC120V/60Hz (DCSV)  
 DESCRIPTION : RUNNING  
 REMARKS : CHNL\_ID 6 / FREQ.2437MHz

REPORT No. : 18D0045-02-1  
 DATE : 07/13/1999  
 REGULATION : FCC Part 15 Subpart C  
 CLASS : NONE  
 DISTANCE : 3m  
 FCC ID : FDI-04600000-0

ENGINEER : Naoki.Sakamoto




DATA OF RADIATION TEST

A - P E X INTERNATIONAL CO., LTD.  
YOKOWA NO.1 SITE

COMPANY : MELCO INC.  
TRADE NAME : BUFFALO  
EQUIPMENT : WIRELESS LAN  
MODEL : WLI-PCM-US  
POWER : AC120V/60Hz(DC5V)  
DESCRIPTION : RUNNING  
REMARKS : CHNL\_ID 11/ FREQ.2462MHz  
DATE : 07/13/1999

REPORT NO. : 18D0045-02-1  
REGULATION : FCC Part 15 Subpart C  
CLASS : NONE  
TEST DISTANCE : 3m  
ATTENUATOR : 6dB  
FCC ID : FDI-04600000-0

  
ENGINEER : Naoki.Sakamoto

No	FREQ [MHz]	ANT TYPE	READING		ANT FACTOR [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		FCC LIMITS [dB μ V/m] 3m	MARGIN	
			HOR [dB μ V] 3m	VER [dB μ V] 3m				HOR [dB μ V/m] 3m	VER [dB μ V/m] 3m		HOR [dB]	VER [dB]
1	31.99	BC	22.9	35.5	17.7	1.9	29.8	18.7	31.3	40.0	21.3	8.7
2	40.00	BC	23.7	35.0	14.5	2.2	29.8	16.6	27.9	40.0	23.4	12.1
3	48.13	BC	26.1	37.7	11.6	2.3	29.8	16.2	27.8	40.0	23.8	12.2
4	62.88	BC	27.4	41.5	7.8	2.7	29.7	14.2	28.3	40.0	25.8	11.7
5	132.00	BC	45.6	44.8	13.9	3.7	29.8	39.4	38.6	43.5	4.1	4.9
6	154.00	BC	31.5	33.0	15.3	4.0	29.6	27.2	28.7	43.5	16.3	14.8
7	176.00	BC	34.7	35.1	16.3	4.3	29.6	31.7	32.1	43.5	11.8	11.4
8	200.00	BC	37.4	30.0	16.5	4.9	29.6	35.2	27.8	43.5	8.3	15.7
9	220.00	BC	38.5	31.2	16.9	4.9	29.6	36.7	29.4	46.0	9.3	16.6
10	232.79	BC	38.0	32.4	17.3	5.0	29.6	36.7	31.1	46.0	9.3	14.9
11	308.00	LP	44.0	42.3	16.2	5.8	29.7	42.3	40.6	46.0	3.7	5.4
12	396.00	LP	41.4	37.0	18.1	6.7	30.0	42.2	37.8	46.0	3.8	8.2
13	560.00	LP	34.8	37.8	19.8	8.2	29.8	39.0	42.0	46.0	7.0	4.0

SAMPLE CALCULATION :

RESULT = READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

Except for the above table : more than 10dB below the limits.

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**A-PEX INTERNATIONAL CO., LTD.**  
**YOKOWA NO.1 SITE**

COMPANY : MELCO INC.  
 TRADE NAME : BUFFALO  
 EQUIPMENT : WIRELESS LAN  
 MODEL : WLI-PCM-US  
 POWER : AC120V/60Hz (DC5V)  
 DESCRIPTION : RUNNING  
 REMARKS : CHNL\_ID 11/ FREQ.2462MHZ

REPORT No. : 18D0045-02-1  
 DATE : 07/13/1999  
 REGULATION : FCC Part 15 Subpart C  
 CLASS : NONE  
 DISTANCE : 3m  
 FCC ID : FDI-04600000-0

ENGINEER : Naoki Sakamoto

