

ATTEN 10dB
RL 105.0dB V 5dB/

MKR -6.09dB
-5.58MHz Fc ID: FDI-0460000-0

MKR
-5.58 MHz
-6.09 dB

CHM_ID: 1

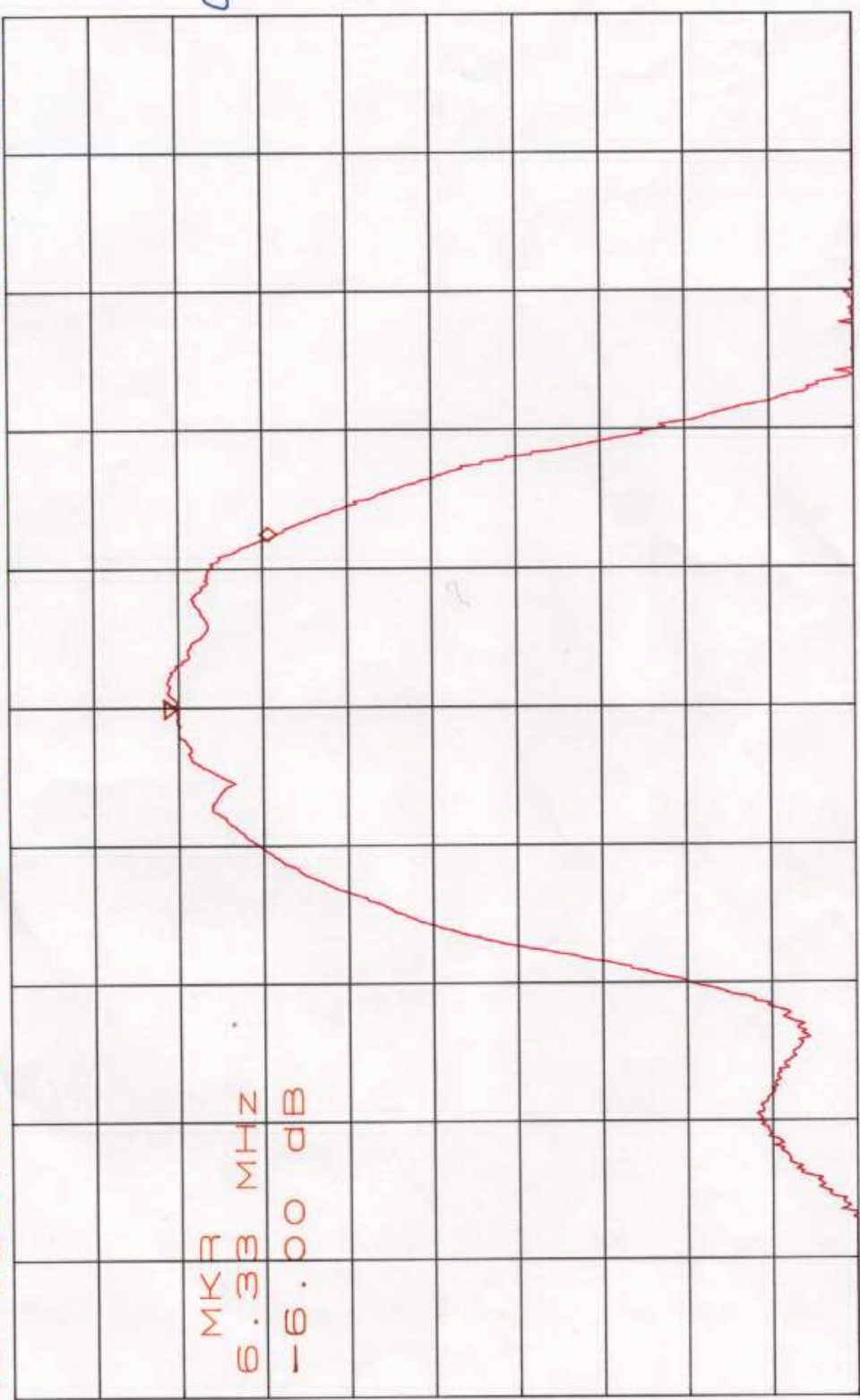


CENTER 2.41200GHz
*RBW 2.0MHz *VBW 3.0MHz
SPAN 50.00MHz
*SWP 100ms

[Handwritten signature]

ATTE N 10dB
RL 105.0dB V 5dB/
MKR -6.00dB
6.33MHz
FCC ID: FDI-0460000-0

CHNL-ID: 1



CENTER 2.41200GHZ
*RBW 2.0MHZ *VBW 3.0MHZ
SPAN 50.00MHZ
*SWP 100ms

ATTEN 10dB

RL 105.0dB

V

5dB/

MKR -6.08dB

-5.42MHz

FC ID: FDI-04600000-0

MKR
-5.42 MHz
-6.08 dB

CH1 ID: 6



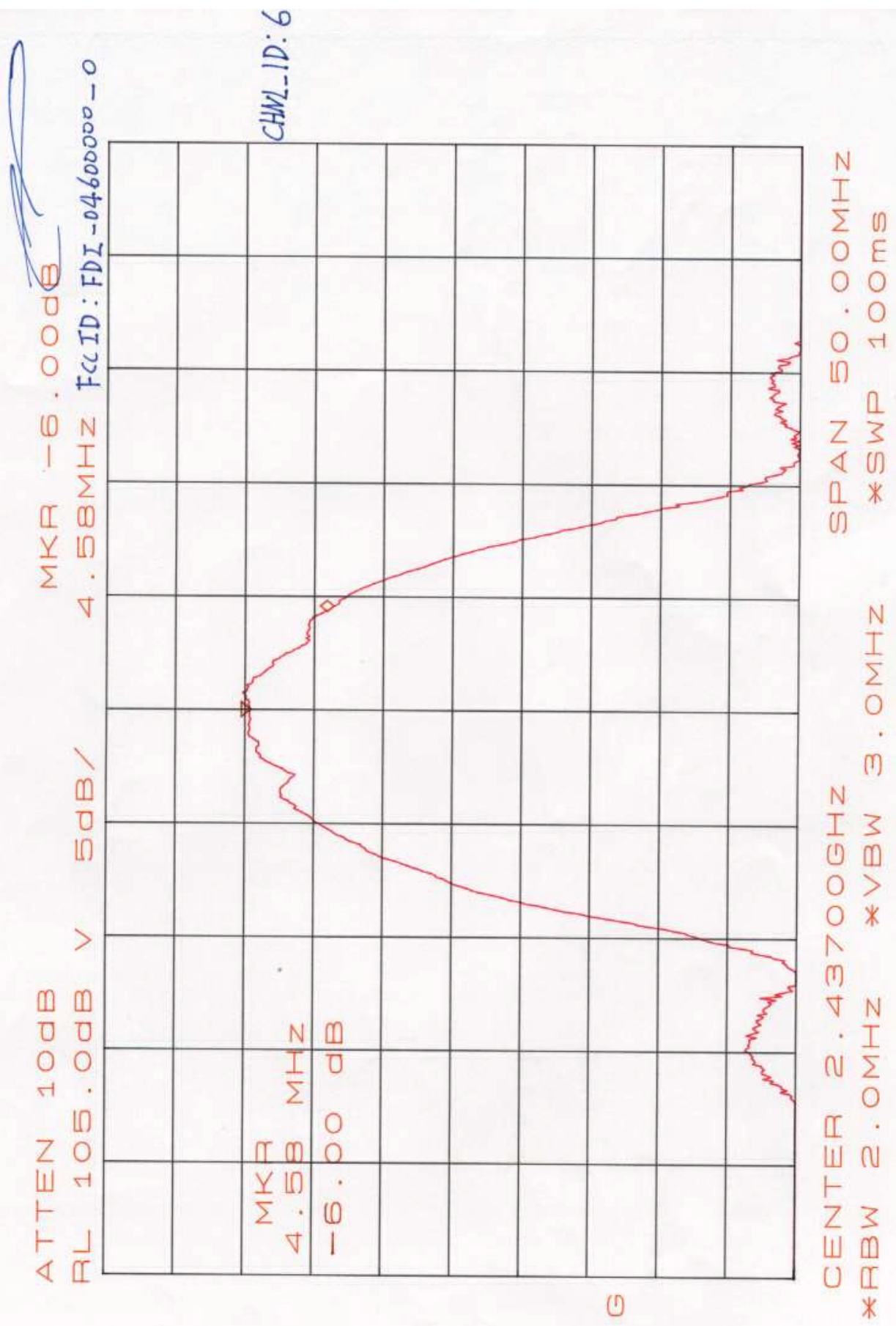
CENTER 2.43700GHZ

*RBW 2.0MHZ

*VBW 3.0MHZ

SPAN 50.00MHZ

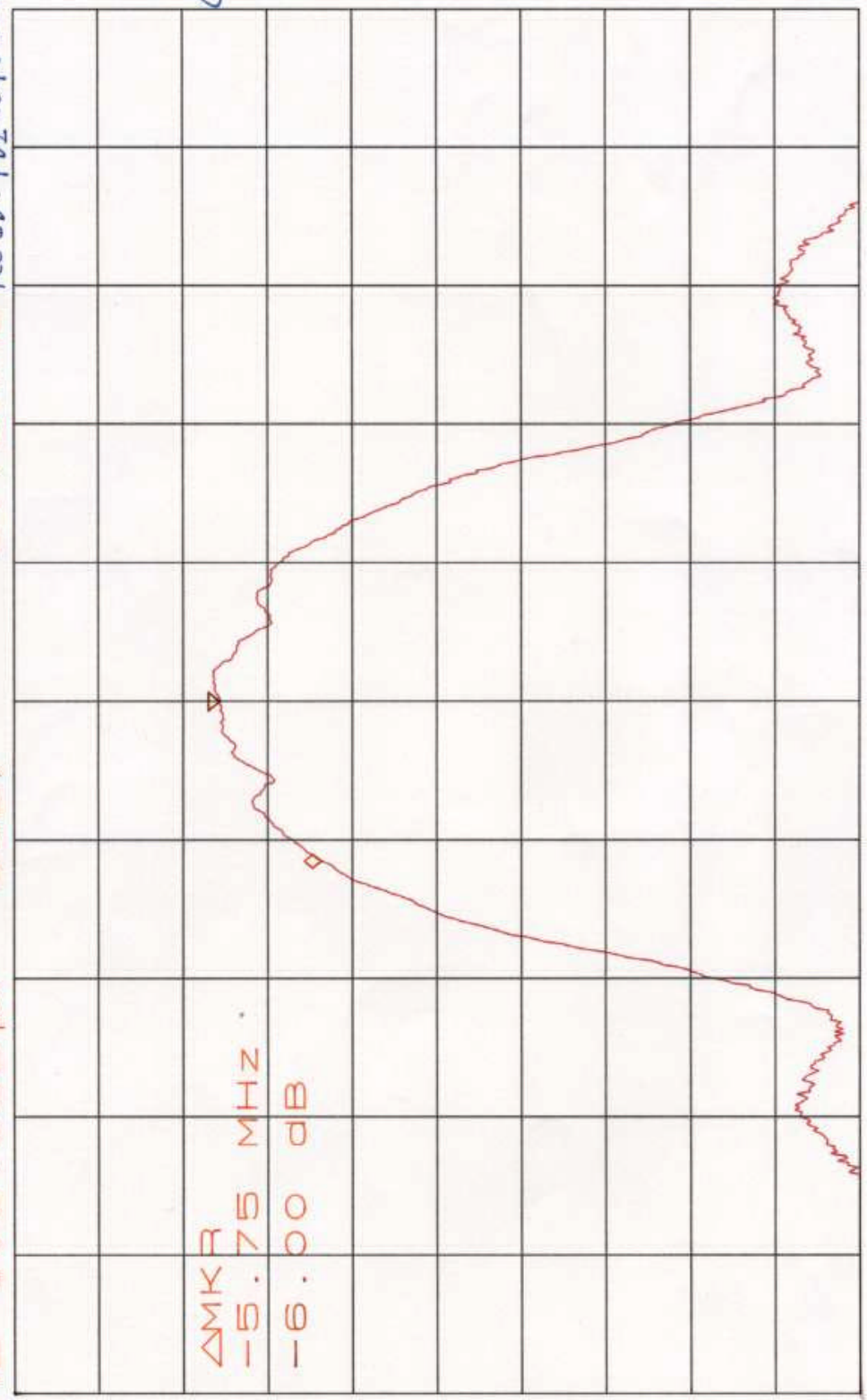
*SWP 100ms



2

ATTEN 10dB
RL 105.00dBμV 5dB/
ΔMKR -6.00dB
-5.75MHz Fc ID: FDI-04600000-0

CHW_ID:11

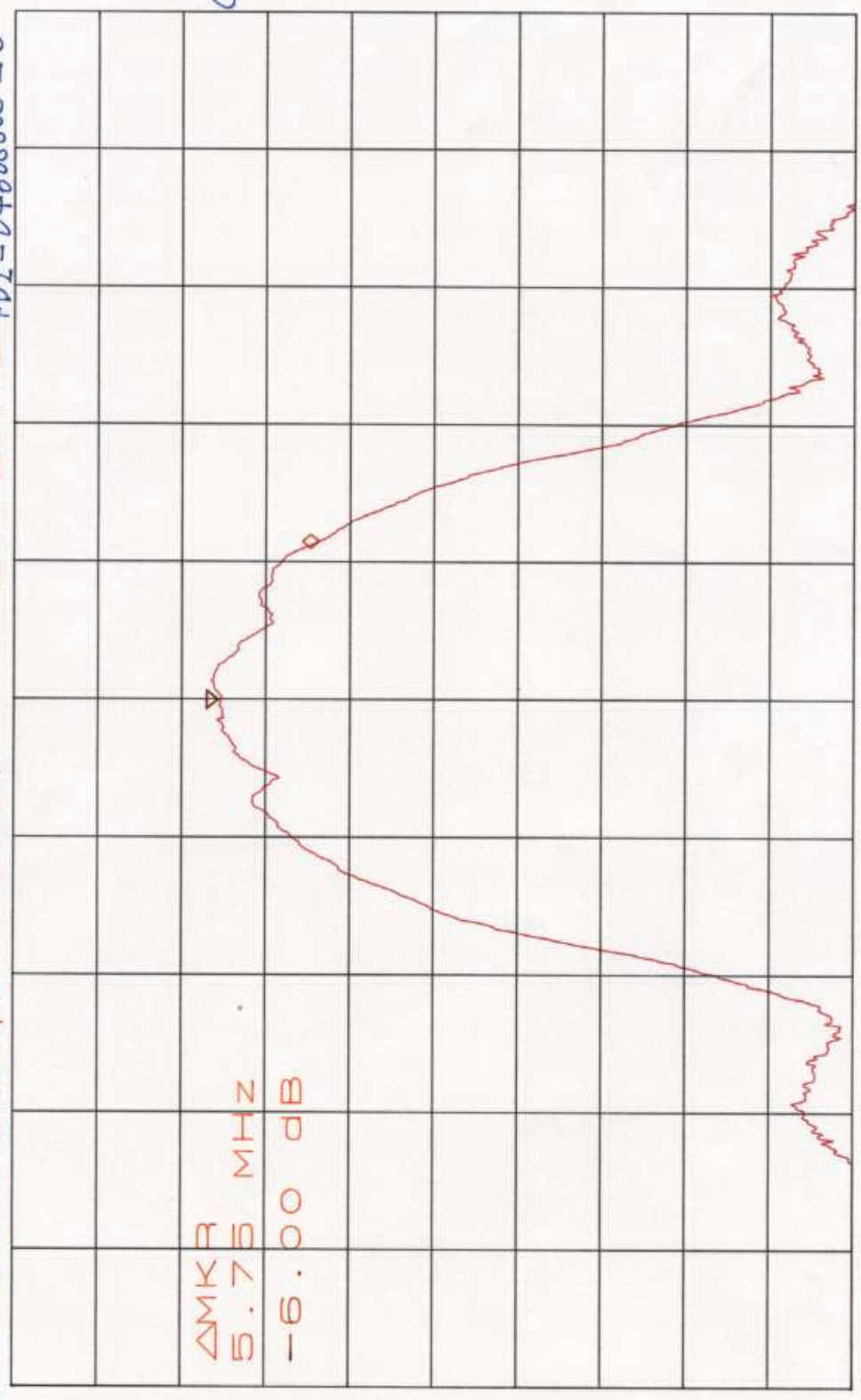


G

CENTER 2.46200GHZ
*RBW 2.0MHZ *VBW 3.0MHZ
SPAN 50.00MHZ
*SWP 100ms

ATTN 10dB
 RL 105.00dBμV 5dB/
 ΔMKR -6.00dB
 5.75MHz FDI-0460000-0

CHW_ID: 11



CENTER 2.46200GHZ
 *RBW 3.0MHZ *VBW 3.0MHZ
 SPAN 50.00MHZ
 *SWP 100ms

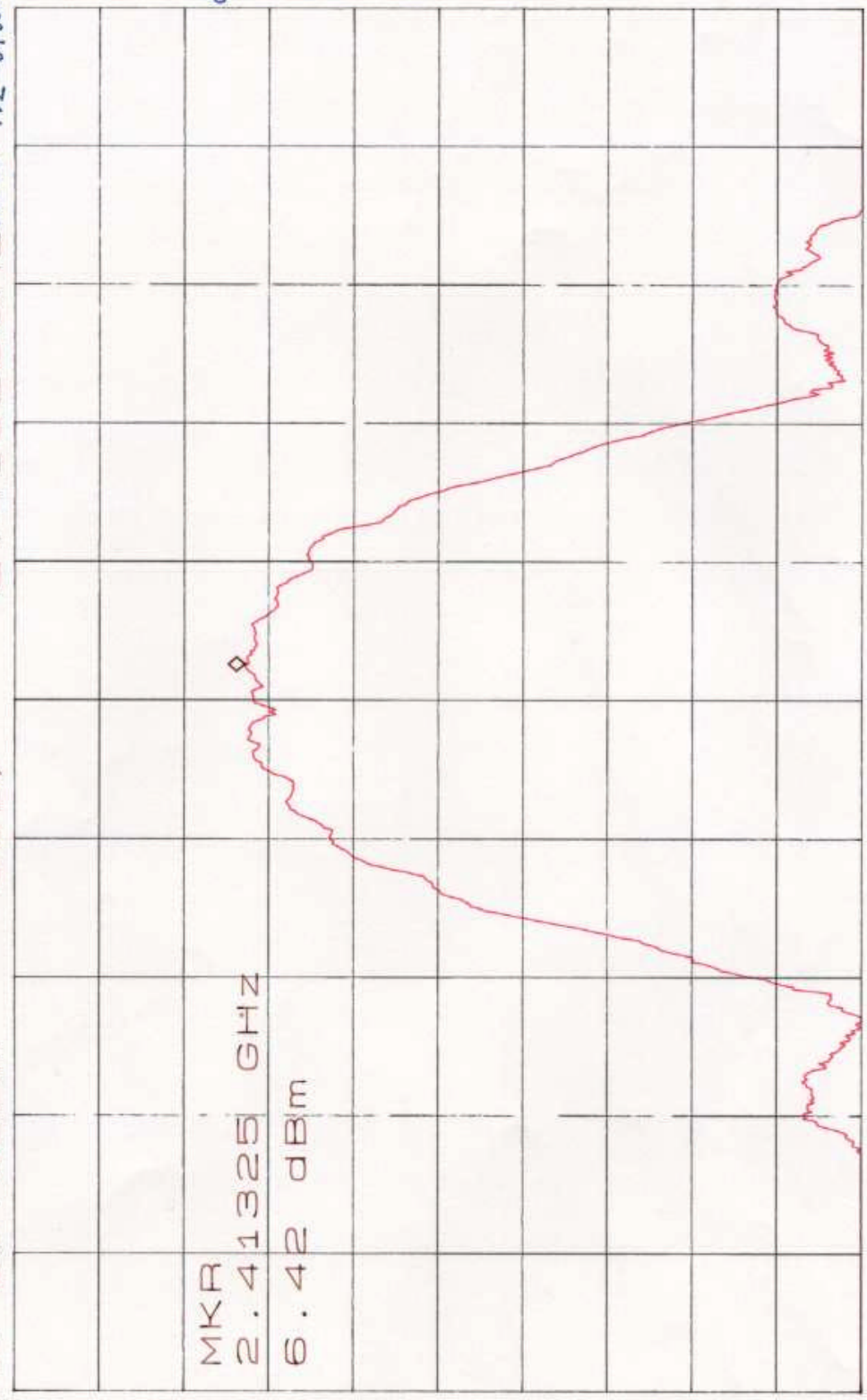
[Handwritten signature]

*ATTEN 30dB

RL 20.0dBm

MKR 6.42dBm

2.41325GHz Fc ID: FDI-0460000-0



CHW_ID:1

SPAN 50.00MHz

SWP 50ms

CENTER 2.41200GHz

*RBW 1.0MHz *VBW 3.0MHz

MEASURED FROM ANTENNA

*ATTEN 30dB
RL 20.0dBm

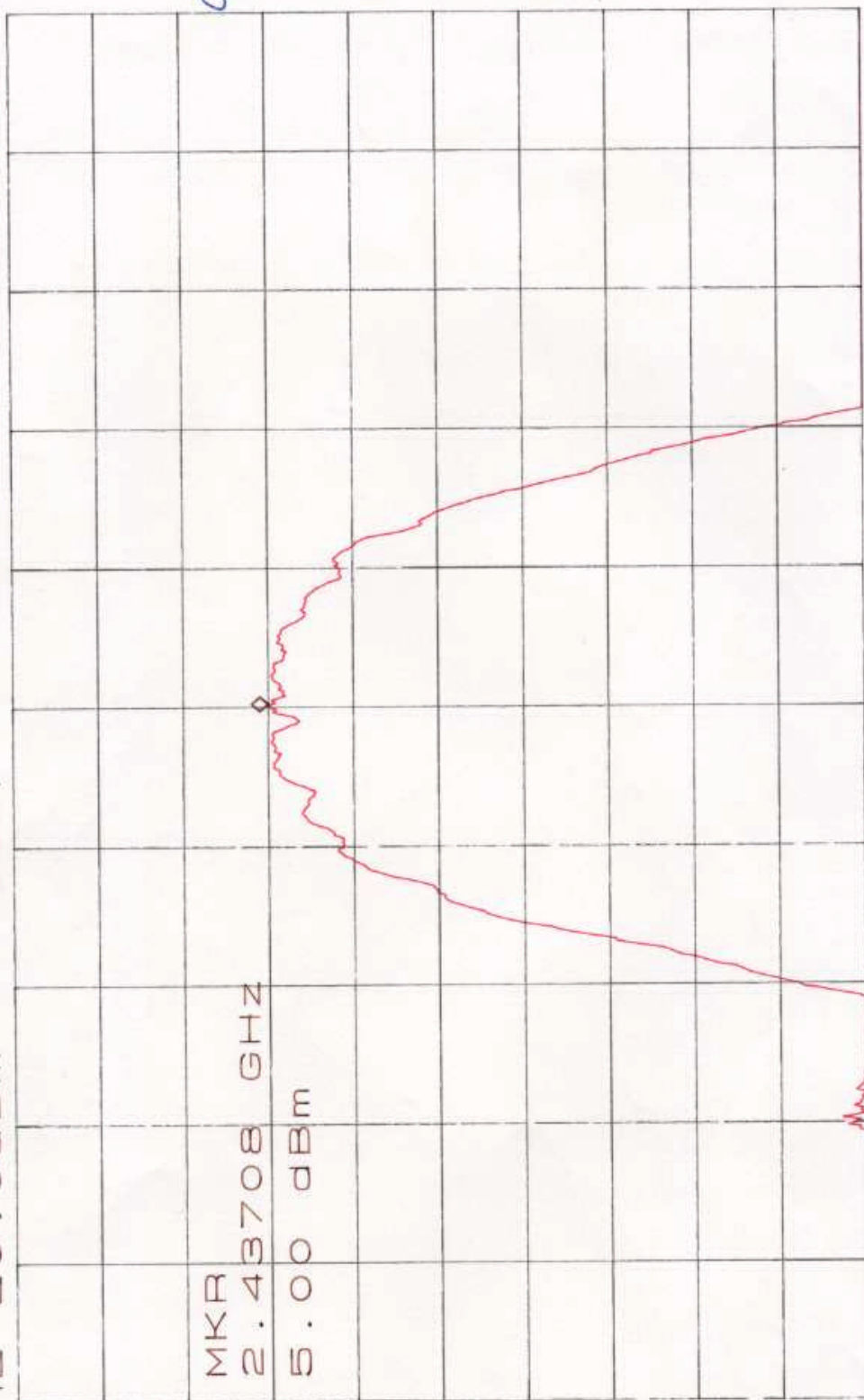
MKR 5.00dBm

2.43708GHZ FcID: FD I-04600000-0

5dB/

MKR
2.43708 GHZ
5.00 dBm

CHNL_ID: 6



CENTER 2.43700GHZ

*RBW 1.0MHZ

*VBW 3.0MHZ

MEASURED FROM ANTENNA

SPAN 50.00MHZ

SWP 50ms

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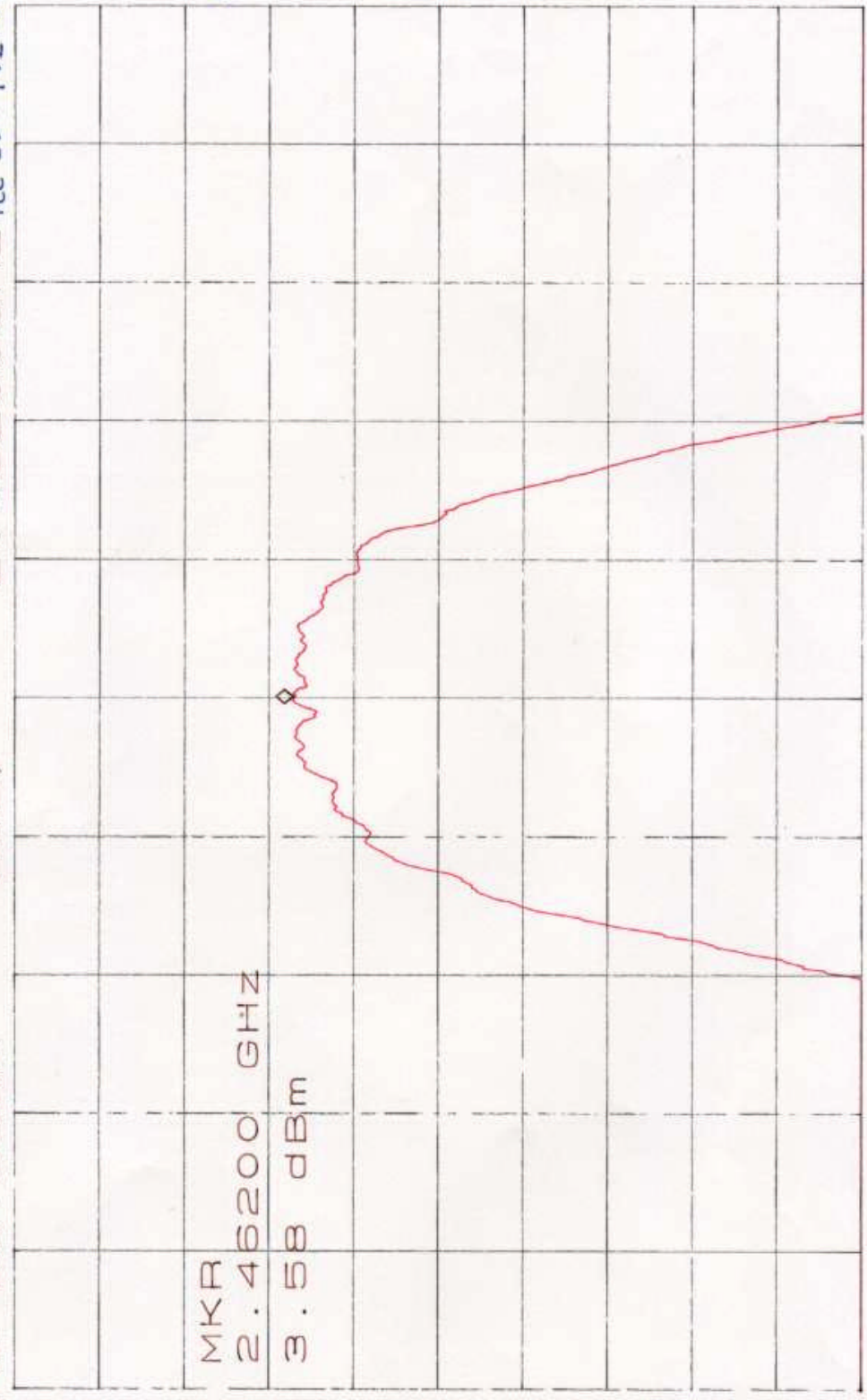
MKR 3.58dBm
2.46200GHz Fc ID: FDI-04600000-0

*ATTEN 30dB
RL 20.0dBm

CHVL-ID:11

MKR
2.46200 GHz
3.58 dBm

5dB/



SPAN 50.00MHz

SWP 50ms

CENTER 2.46200GHz

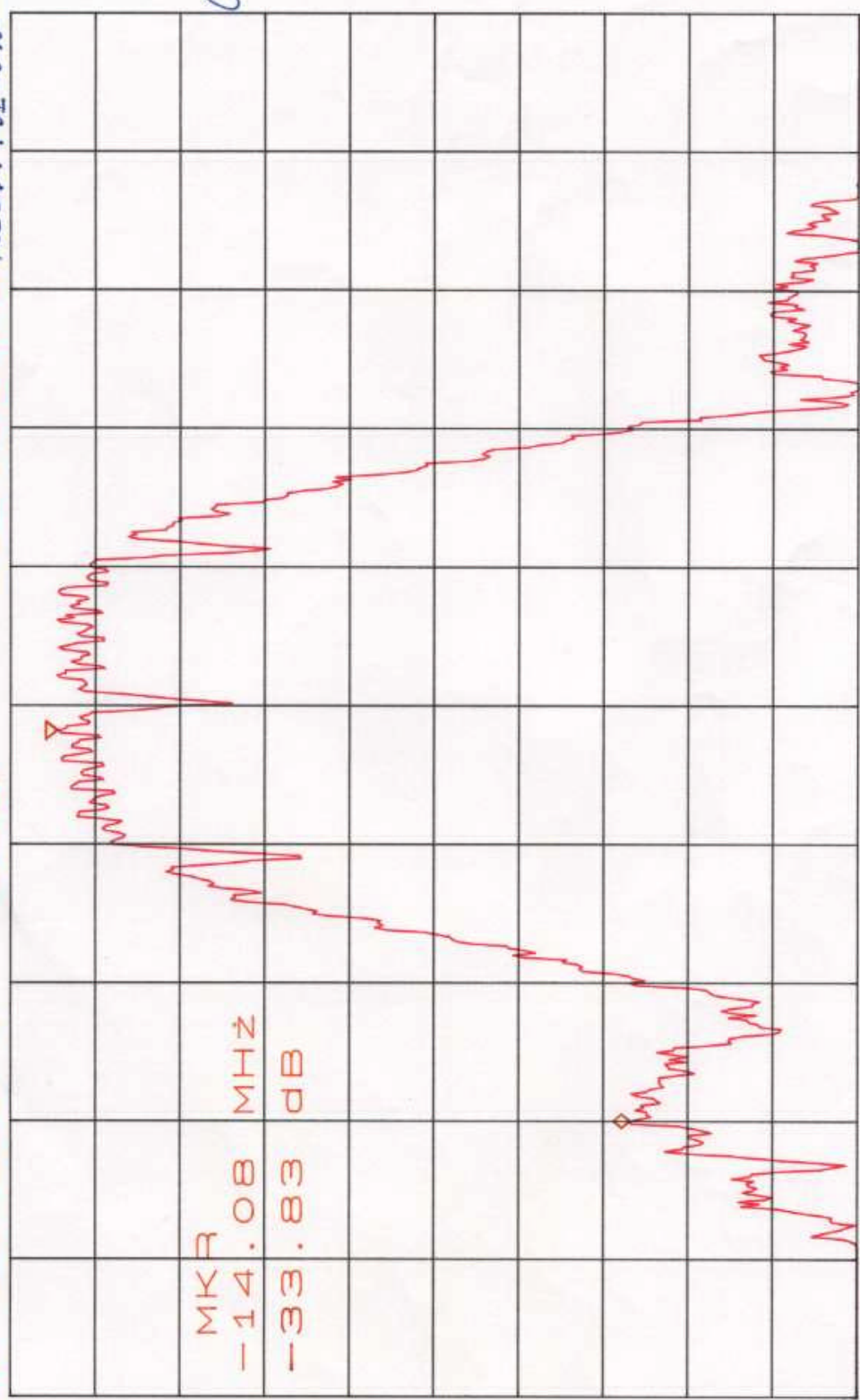
*RBW 1.0MHz *VBW 3.0MHz
MEASURED FROM ANTENNA

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ATTEN 10dB
RL 88.8dB V

MKR -33.83dB
-14.08MHz

FULL ID: FDI-0460000-0



CHM2-ID:1

CENTER 2.41200GHZ
*RBW 100KHZ *VBW 300KHZ
SPAN 50.00MHZ
*SWP 100ms

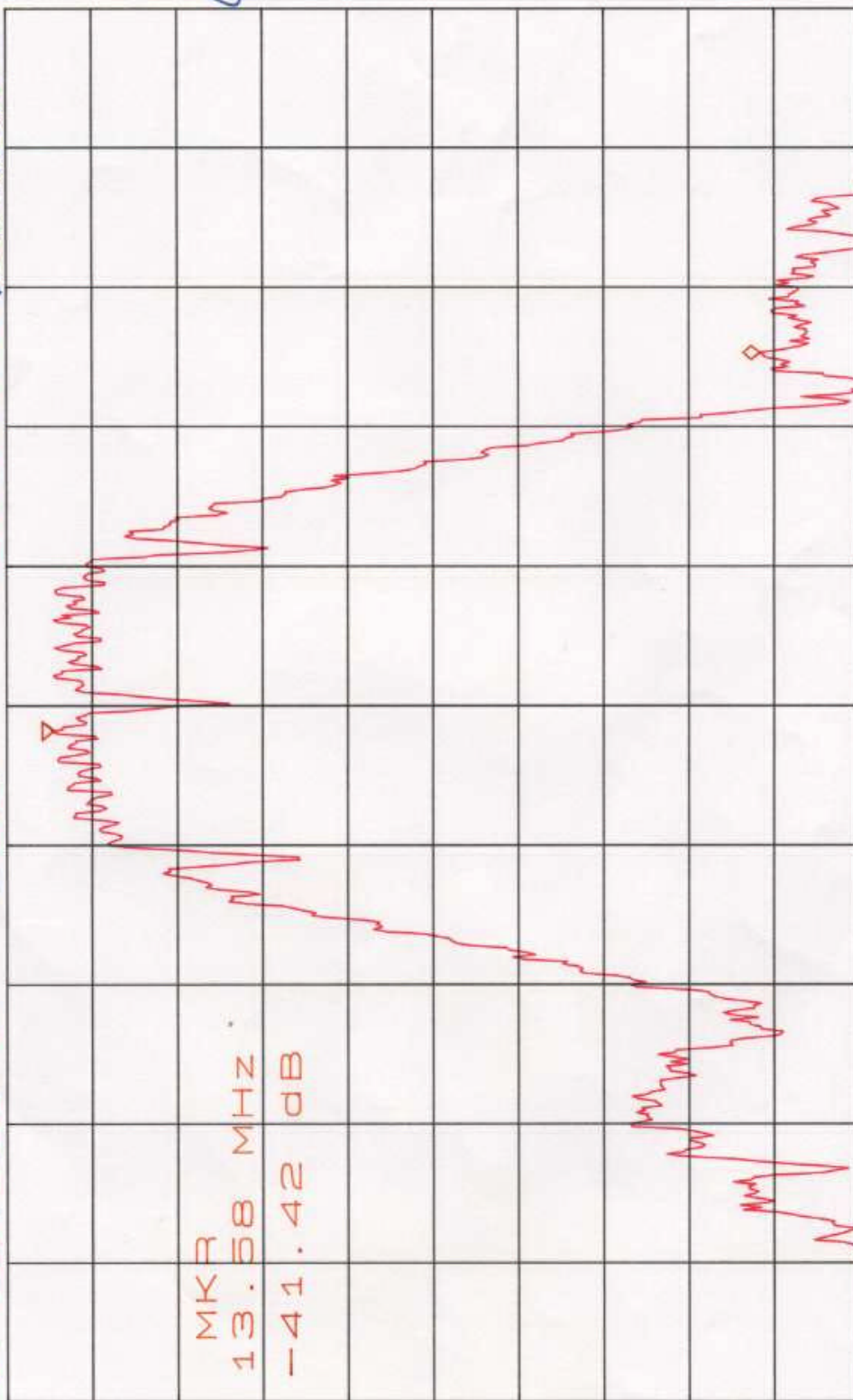
0

ATTEN 10dB
RL 88.8dB V

MKR -41.42dB
13.58MHz FDI ID: FDI-04600000 -0

MKR
13.58 MHz
-41.42 dB

CHWL ID: 1



CENTER 2.41200GHZ
*RBW 100KHZ *VBW 300KHZ
SPAN 50.00MHZ *SWP 100ms

ATTEN 10dB

RL 89.7dB V

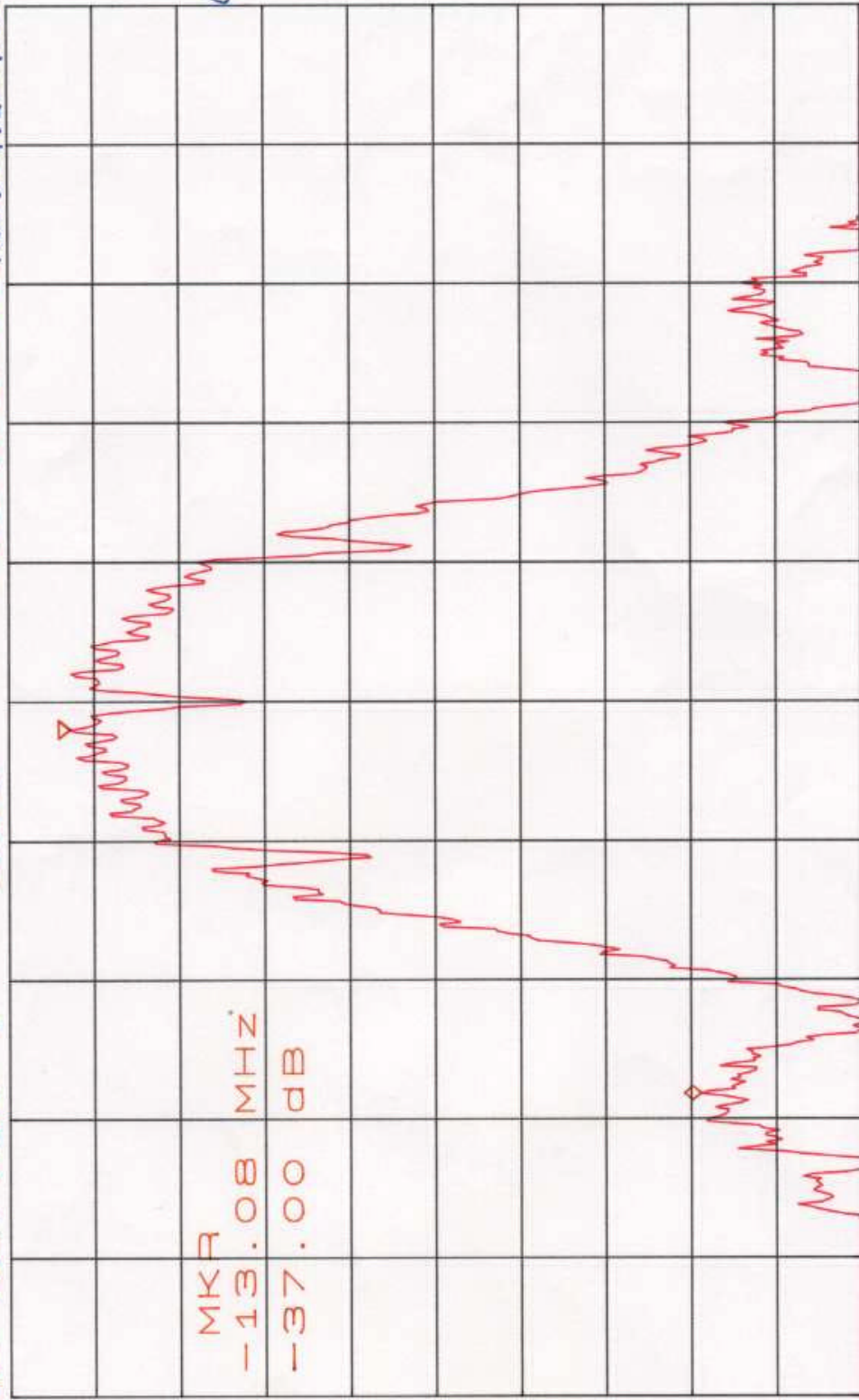
5dB/

MKR -37.00dB

-13.08MHz Fc ID: FDI-0460000-0

MKR
-13.08 MHz
-37.00 dB

CHNL_ID:6



CENTER 2.43700GHZ

*RBW 100KHZ

*VBW 300KHZ

SPAN 50.00MHZ

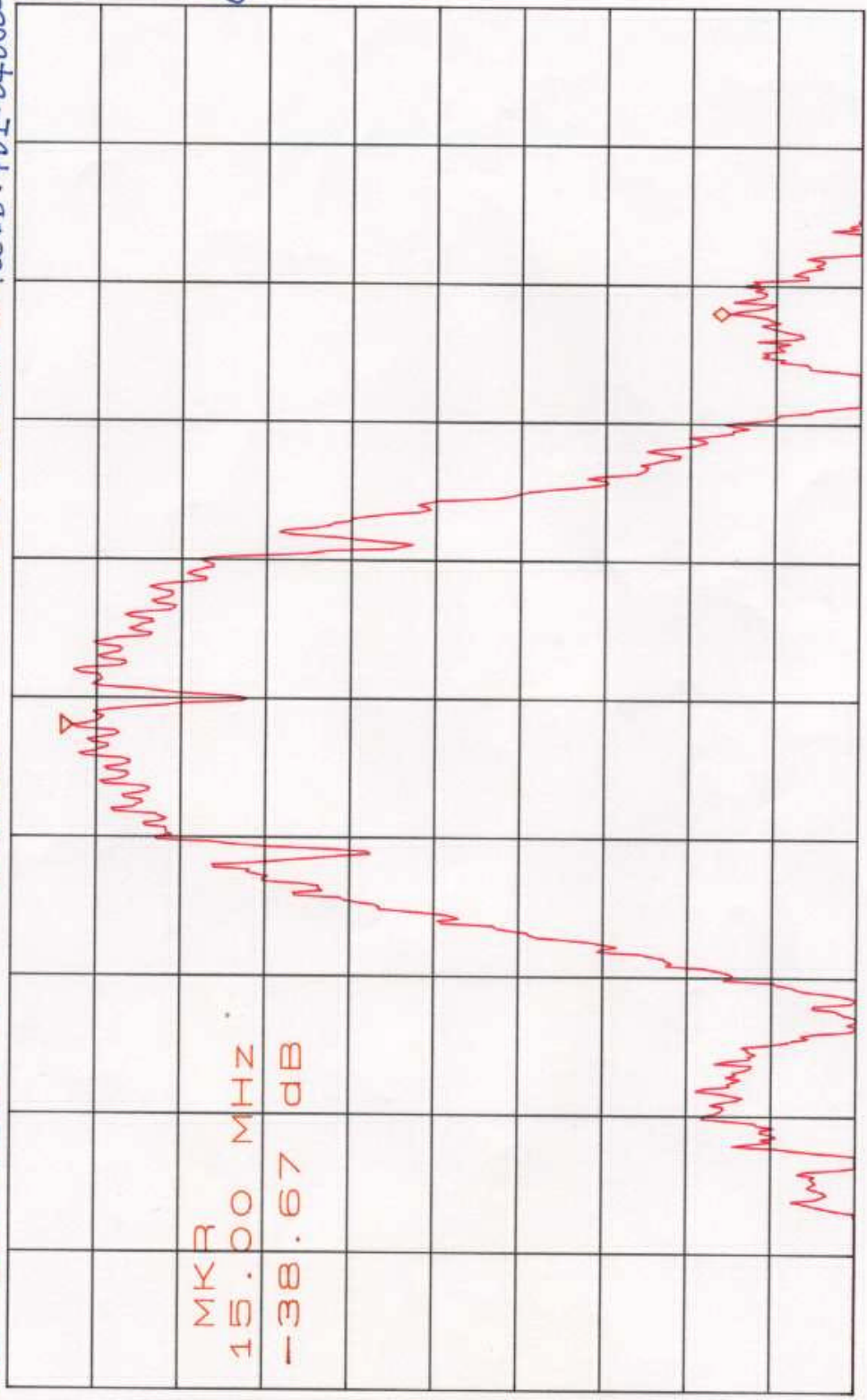
*SWP 100ms

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ATTEN 10dB
RL 89.7dB V

MKR -38.67dB
15.00MHz

FCID: FDI-0460000-0



CHNL ID: 6

CENTER 2.43700GHZ
*RBW 100KHZ *VBW 300KHZ
SPAN 50.00MHZ
*SWP 100ms

2

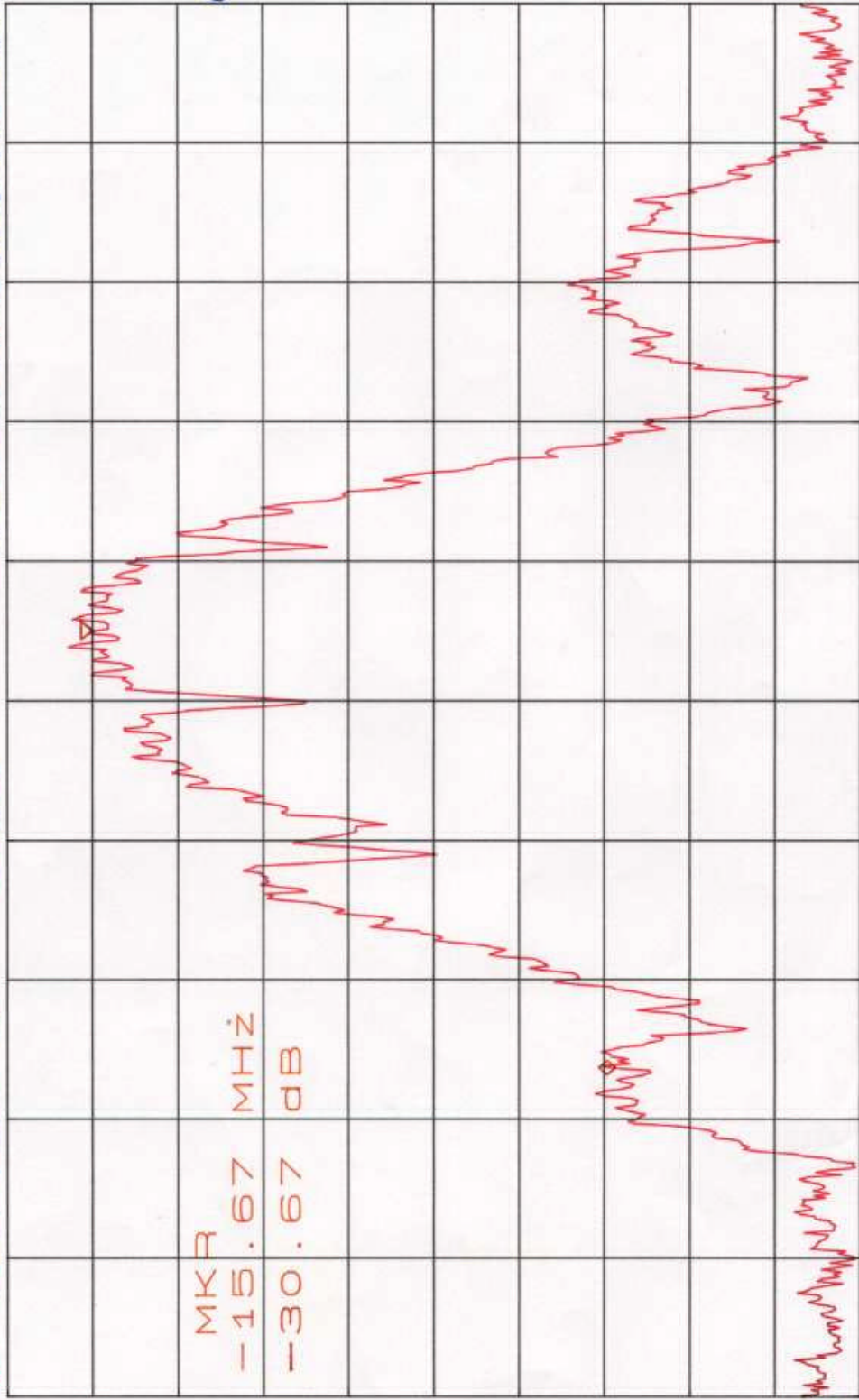
ATTEN 10dB
RL 84.7dB V

MKR -30.67dB
-15.67MHz FDI -04600000-0

5dB/

MKR
-15.67 MHz
-30.67 dB

CHNLID:11



CENTER 2.46200GHZ
*RBW 100KHZ *VBW 300KHZ
SPAN 50.00MHZ
*SWP 100ms

S



ATTEN 10dB

RL 84.7dB V

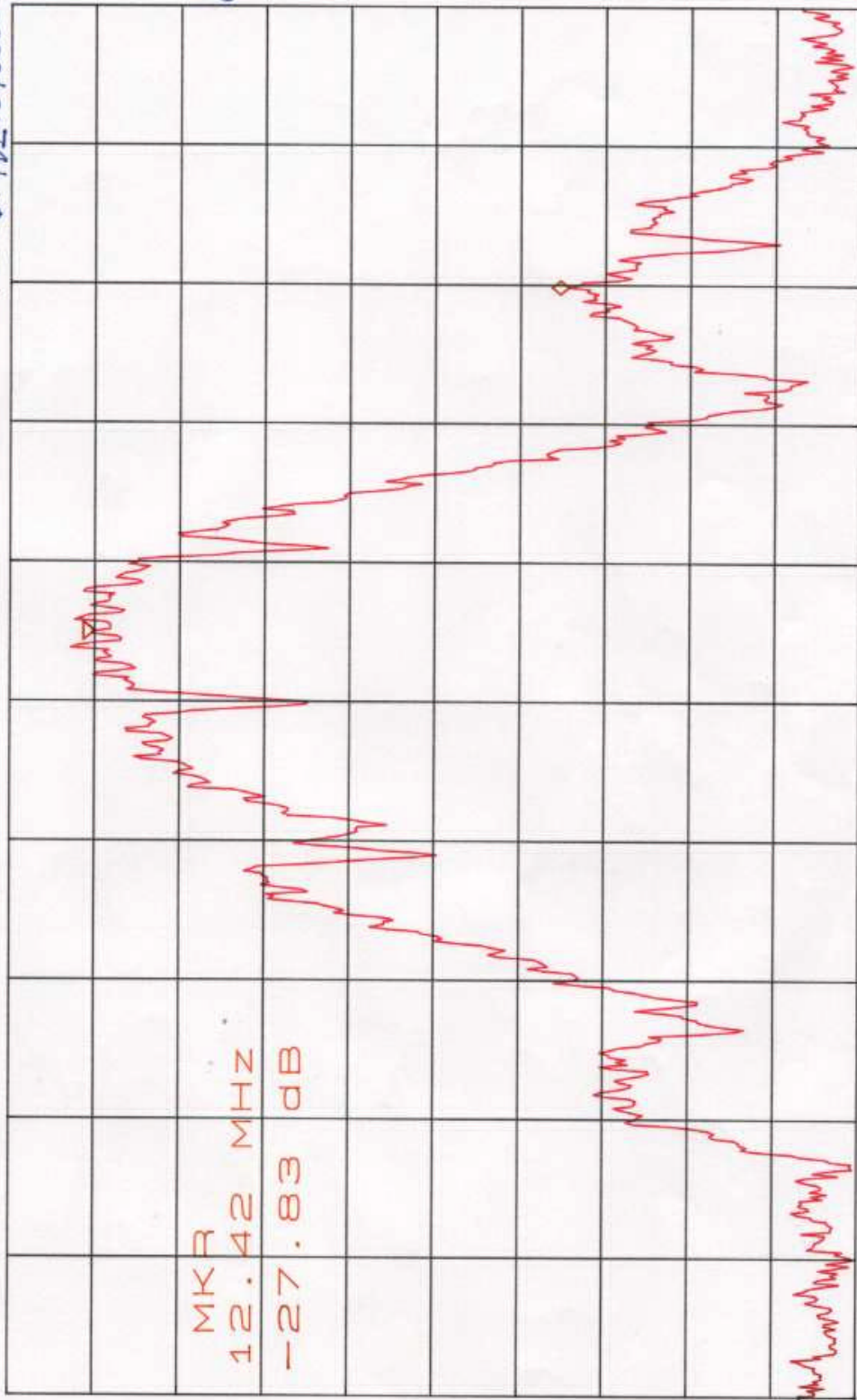
5dB/

MKR -27.83dB

12.42MHz Fc ID: FDI-0460000-0

CHWL-ID:11

MKR
12.42 MHz
-27.83 dB



G

CENTER 2.46200GHZ

*RBW 100KHZ

*VBW 300KHZ

SPAN 50.00MHZ

*SWP 100ms

DATA OF RADIATION TEST

A - P E X INTERNATIONAL CO., LTD.
YOKOWA NO.2 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 : 05/24/1999

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	VER				HOR	VER		HOR	VER
			[dB μ V] 3m					[dB μ V/m] 3m			[dB]	
1	30.12	BC	26.2	31.0	18.4	1.7	30.0	22.3	27.1	40.0	17.7	12.9
2	40.00	BC	24.0	28.9	14.6	2.0	29.8	16.8	21.7	40.0	23.2	18.3
3	60.16	BC	35.4	40.4	8.6	2.4	29.8	22.6	27.6	40.0	17.4	12.4
4	79.95	BC	27.2	36.1	6.6	2.7	29.8	12.7	21.6	40.0	27.3	18.4
5	132.00	BC	45.5	41.6	14.4	3.5	29.7	39.7	35.8	43.5	3.8	7.7
6	153.99	BC	38.2	31.9	15.3	3.8	29.6	33.7	27.4	43.5	9.8	16.1
7	176.00	BC	40.5	33.5	16.1	4.2	29.7	37.1	30.1	43.5	6.4	13.4
8	200.00	BC	36.2	27.0	16.3	4.4	29.8	33.1	23.9	43.5	10.4	19.6
9	220.00	BC	39.6	30.9	16.6	4.6	29.8	37.0	28.3	46.0	9.0	17.7
10	232.90	BC	35.2	30.9	16.8	4.8	29.8	33.0	28.7	46.0	13.0	17.3
11	307.99	LP	47.3	38.3	13.1	5.6	29.9	42.1	33.1	46.0	3.9	12.9
12	395.99	LP	43.9	37.2	13.8	6.8	30.0	40.5	33.8	46.0	5.5	12.2
13	560.00	LP	34.2	35.1	16.6	8.0	30.0	34.8	35.7	46.0	11.2	10.3

SAMPLE CALCULATION :

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

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

RADIATION TEST

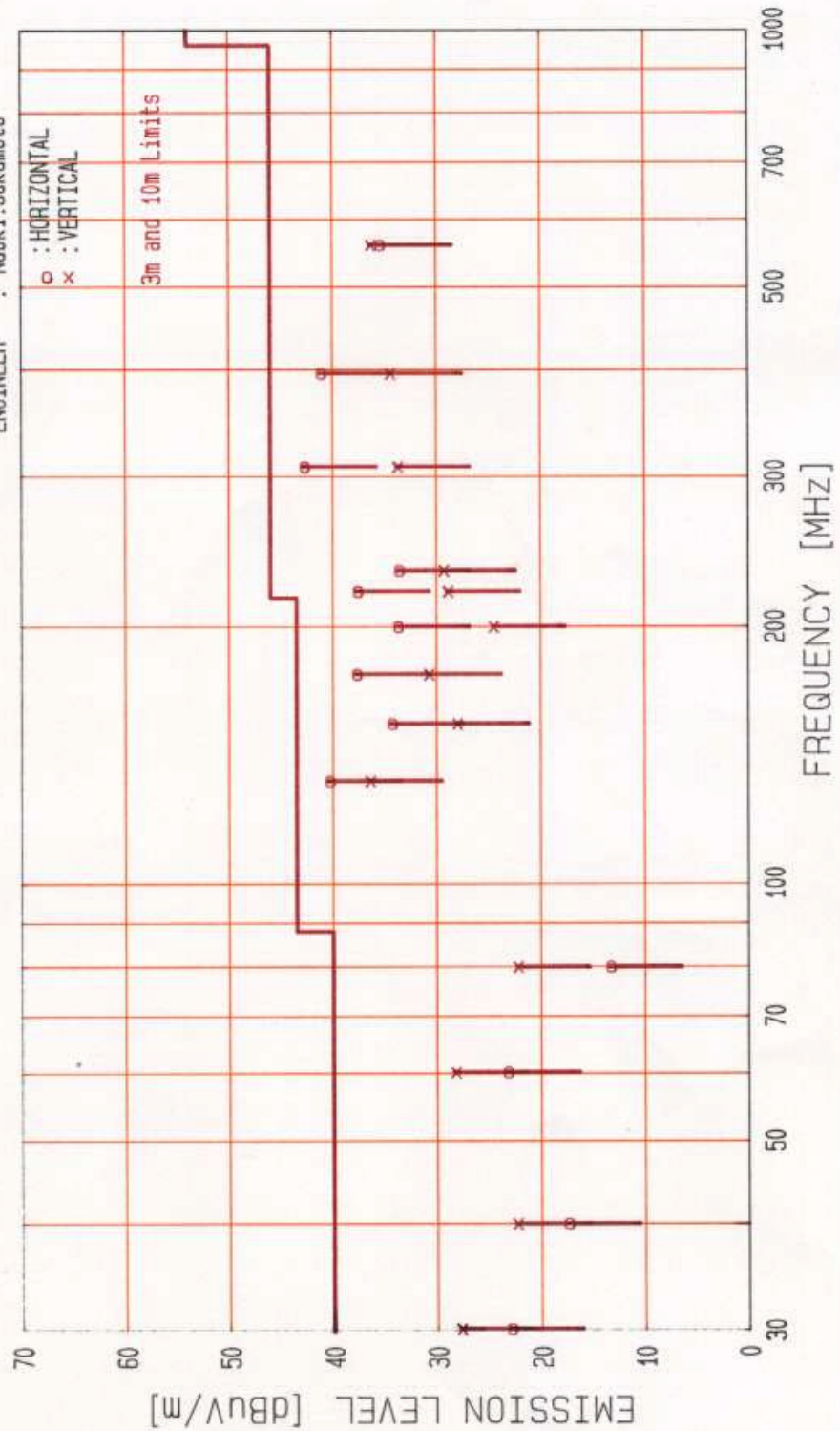
A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 SITE

COMPANY
TRADE NAME
EQUIPMENT
MODEL
POWER
DESCRIPTION
REMARKS

MELCO INC.
BUFFALO
WIRELESS LAN
WLI-PCM-US
AC120V/60Hz (DC5V)
RUNNING
CHNL_ID 1/ FREQ.2412MHz

REPORT No. : 18D0045-02-1
DATE : 05/24/1999
REGULATION : FCC Part 15 Subpart C
CLASS : NONE
DISTANCE : 3m
FCC ID : FDI-0460000-0

ENGINEER : Naoki Sakamoto



DATA OF RADIATION TEST

A - P E X INTERNATIONAL CO., LTD.
YOKOWA NO.2 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 : 05/24/1999

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	30.10	BC	26.0	33.0	18.4	1.7	30.0	22.1	29.1	40.0	17.9	10.9
2	40.00	BC	24.4	28.0	14.6	2.0	29.8	17.2	20.8	40.0	22.8	19.2
3	60.00	BC	35.7	41.0	8.6	2.3	29.8	22.8	28.1	40.0	17.2	11.9
4	79.99	BC	28.0	36.0	6.6	2.7	29.8	13.5	21.5	40.0	26.5	18.5
5	132.00	BC	45.8	42.3	14.4	3.5	29.7	40.0	36.5	43.5	3.5	7.0
6	154.00	BC	39.0	32.0	15.3	3.8	29.6	34.5	27.5	43.5	9.0	16.0
7	176.00	BC	41.0	34.0	16.1	4.2	29.7	37.6	30.6	43.5	5.9	12.9
8	200.00	BC	35.5	28.0	16.3	4.4	29.8	32.4	24.9	43.5	11.1	18.6
9	220.00	BC	41.1	31.2	16.6	4.6	29.8	38.5	28.6	46.0	7.5	17.4
10	232.91	BC	37.0	31.2	16.8	4.8	29.8	34.8	29.0	46.0	11.2	17.0
11	308.00	LP	47.0	38.0	13.1	5.6	29.9	41.8	32.8	46.0	4.2	13.2
12	396.00	LP	44.0	37.4	13.8	6.8	30.0	40.6	34.0	46.0	5.4	12.0
13	560.00	LP	34.0	36.0	16.6	8.0	30.0	34.6	36.6	46.0	11.4	9.4

SAMPLE CALCULATION :

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

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

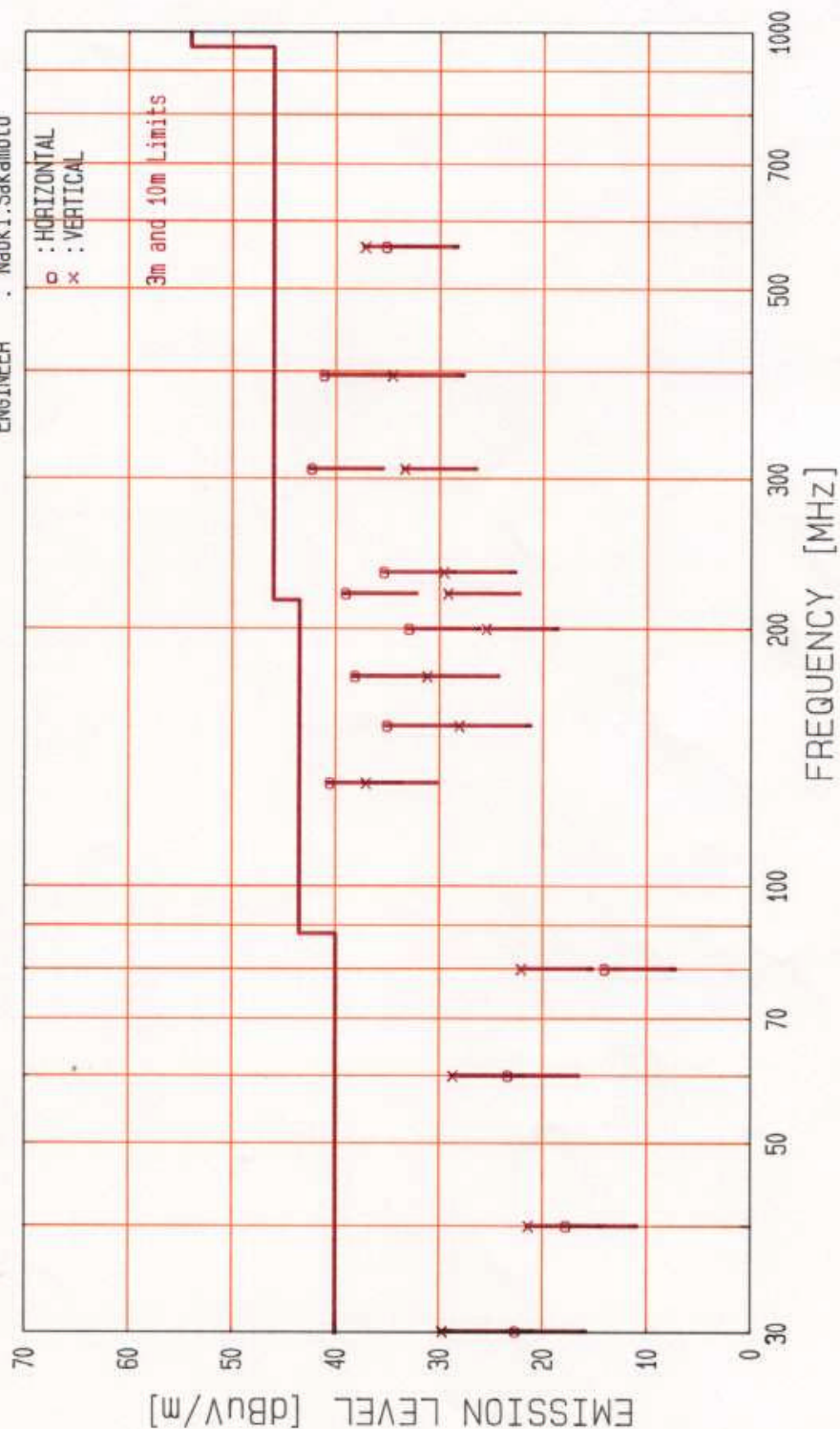
RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 SITE

COMPANY : MELCO INC.
TRADE NAME : BU-FALO
EQUIPMENT : WIRELESS LAN
MODEL : WLI-PCM-US
POWER : AC120V/60Hz (DC5V)
DESCRIPTION : RUNNING
REMARKS : CHNL_ID 6/ FREQ.2437MHz

REPORT No. : 18D0045-02-1
DATE : 05/24/1999
REGULATION : FCC Part 15 Subpart C
CLASS : NONE
DISTANCE : 3m
FCC ID : FDI-0460000-0

ENGINEER : Naoki.Sakamoto

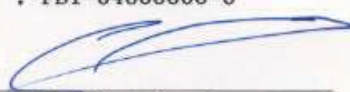


DATA OF RADIATION TEST

A - P E X INTERNATIONAL CO., LTD.
YOKOWA NO.2 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 : 05/24/1999

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	31.30	BC	25.5	32.1	18.0	1.7	30.0	21.2	27.8	40.0	18.8	12.2
2	40.01	BC	25.0	30.0	14.6	2.0	29.8	17.8	22.8	40.0	22.2	17.2
3	60.10	BC	34.1	40.1	8.6	2.4	29.8	21.3	27.3	40.0	18.7	12.7
4	80.00	BC	29.3	35.8	6.5	2.7	29.8	14.7	21.2	40.0	25.3	18.8
5	132.00	BC	45.3	41.7	14.4	3.5	29.7	39.5	35.9	43.5	4.0	7.6
6	154.00	BC	38.1	31.3	15.3	3.8	29.6	33.6	26.8	43.5	9.9	16.7
7	176.00	BC	40.2	33.8	16.1	4.2	29.7	36.8	30.4	43.5	6.7	13.1
8	200.00	BC	36.0	29.0	16.3	4.4	29.8	32.9	25.9	43.5	10.6	17.6
9	220.00	BC	41.3	33.0	16.6	4.6	29.8	38.7	30.4	46.0	7.3	15.6
10	232.90	BC	38.0	32.0	16.8	4.8	29.8	35.8	29.8	46.0	10.2	16.2
11	308.00	LP	47.5	39.1	13.1	5.6	29.9	42.3	33.9	46.0	3.7	12.1
12	396.00	LP	44.5	38.5	13.8	6.8	30.0	41.1	35.1	46.0	4.9	10.9
13	560.00	LP	34.3	35.5	16.6	8.0	30.0	34.9	36.1	46.0	11.1	9.9

SAMPLE CALCULATION :

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

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

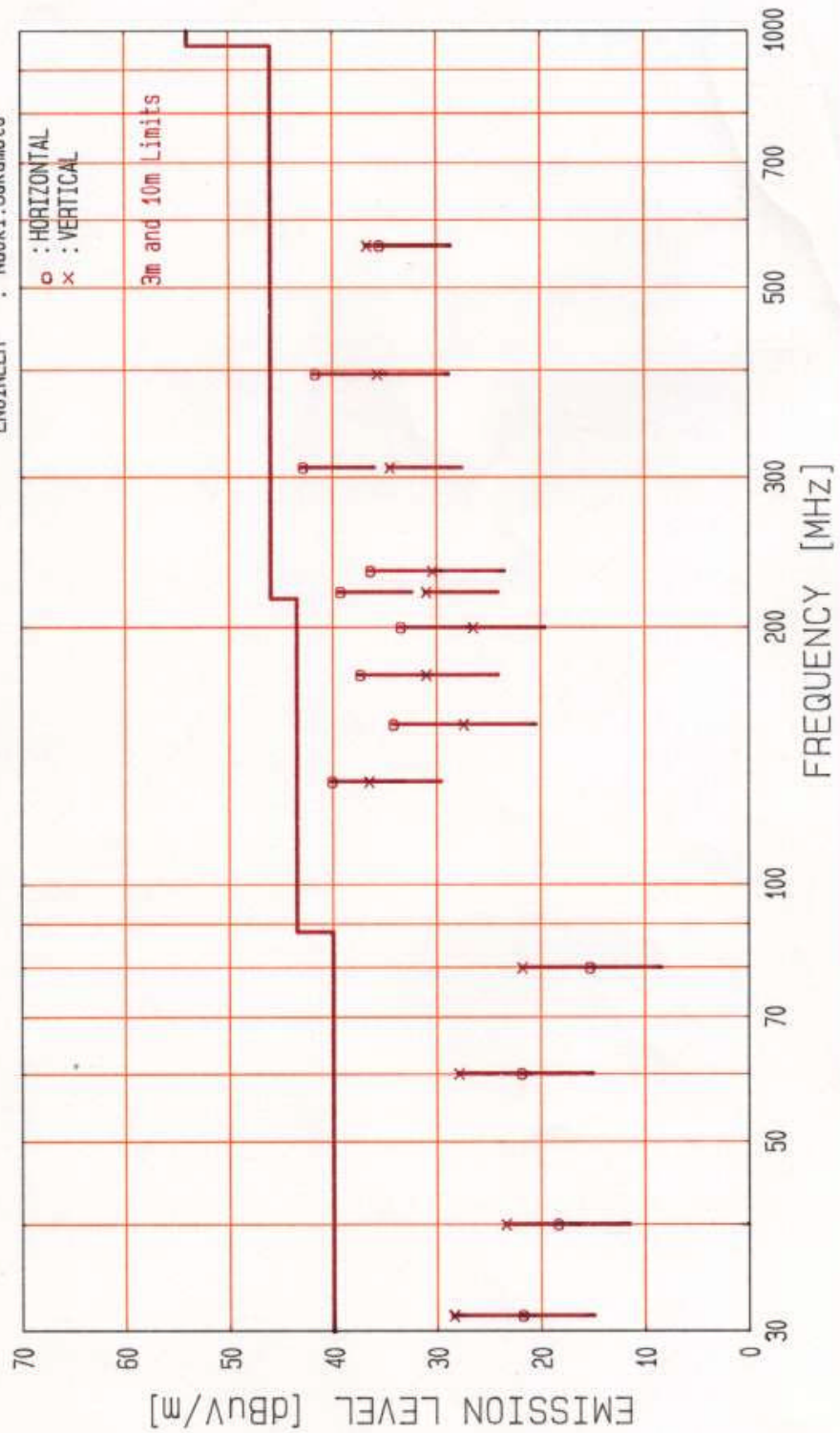
RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 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. : 1800045-02-1
DATE : 05/24/1999
REGULATION : FCC Part 15 Subpart C
CLASS : NONE
DISTANCE : 3m
FCC ID : FDI-04600000-0

ENGINEER : Naoki Sakamoto



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 OPEN 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 : 05/26/1999

REPORT NO : 18D0045-02-1
REGULATION : FCC Part 15 Subpart C
TEST DISTANCE : 3m
FCC ID : FDI-04600000-0

ENGINEER : Naoki.Sakamoto

No.	FREQ [GHz]	ANT TYPE	READING(PK)		ANT Factor	CABLE LOSS	AMP GAIN	RESULT		LIMIT	MARGIN	
			HOR [dB μ V]	VER [dB μ V]				HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1	1.1200	HA	53.7	55.4	24.9	3.4	36.6	45.38	47.08	54.0	8.6	6.9
2	1.8529	HA	49.0	48.7	28.8	3.9	35.4	46.30	46.00	54.0	7.7	8.0
3	2.1320	HA	53.9	54.0	30.0	4.0	35.0	52.90	53.00	54.0	1.1	1.0
4	4.8240	HA	47.7	47.6	35.0	6.2	36.0	52.90	52.80	54.0	1.1	1.2
5	7.2360	HA	37.9	38.7	38.2	8.5	33.9	50.70	51.50	54.0	3.3	2.5

SAMPLE CALCLATION :

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

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

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 OPEN 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 : 05/26/1999

REPORT NO : 18D0045-02-1
 REGULATION : FCC Part 15 Subpart C
 TEST DISTANCE : 3m
 FCC ID : FDI-04600000-0

ENGINEER : Naoki.Sakamoto

No.	FREQ [GHz]	ANT TYPE	READING(PK)		ANT Factor	CABLE LOSS	AMP GAIN	RESULT		LIMIT	MARGIN	
			HOR [dB μ V]	VER [dB μ V]				HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1	1.1200	HA	54.4	56.3	24.9	3.4	36.6	46.08	47.98	54.0	7.9	6.0
2	1.8759	HA	47.1	48.1	28.8	3.9	35.4	44.40	45.40	54.0	9.6	8.6
3	2.1570	HA	54.0	53.3	30.0	4.0	35.0	53.00	52.30	54.0	1.0	1.7
4	4.8740	HA	46.0	47.5	35.0	6.2	36.0	51.20	52.70	54.0	2.8	1.3
5	7.3110	HA	37.0	38.8	38.2	8.5	33.9	49.80	51.60	54.0	4.2	2.4

SAMPLE CALCLATION :

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

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

A23

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 OPEN 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 : 05/26/1999

REPORT NO : 18D0045-02-1
 REGULATION : FCC Part 15 Subpart C
 TEST DISTANCE : 3m
 FCC ID : FDI-04600000-0

ENGINEER : Naoki.Sakamoto

No.	FREQ [GHz]	ANT TYPE	READING(PK)		ANT Factor	CABLE LOSS	AMP GAIN	RESULT		LIMIT	MARGIN	
			HOR [dB μ V]	VER [dB μ V]				HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1	1.1200	HA	54.2	55.2	24.9	3.4	36.6	45.88	46.88	54.0	8.1	7.1
2	1.9032	HA	46.3	48.6	28.8	3.9	35.4	43.60	45.90	54.0	10.4	8.1
3	2.1818	HA	53.3	53.2	30.0	4.0	35.0	52.30	52.20	54.0	1.7	1.8
4	4.9240	HA	46.9	47.6	35.0	6.2	36.0	52.10	52.80	54.0	1.9	1.2
5	7.3860	HA	37.4	37.9	38.2	8.5	33.9	50.20	50.70	54.0	3.8	3.3

SAMPLE CALCLATION :

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

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

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