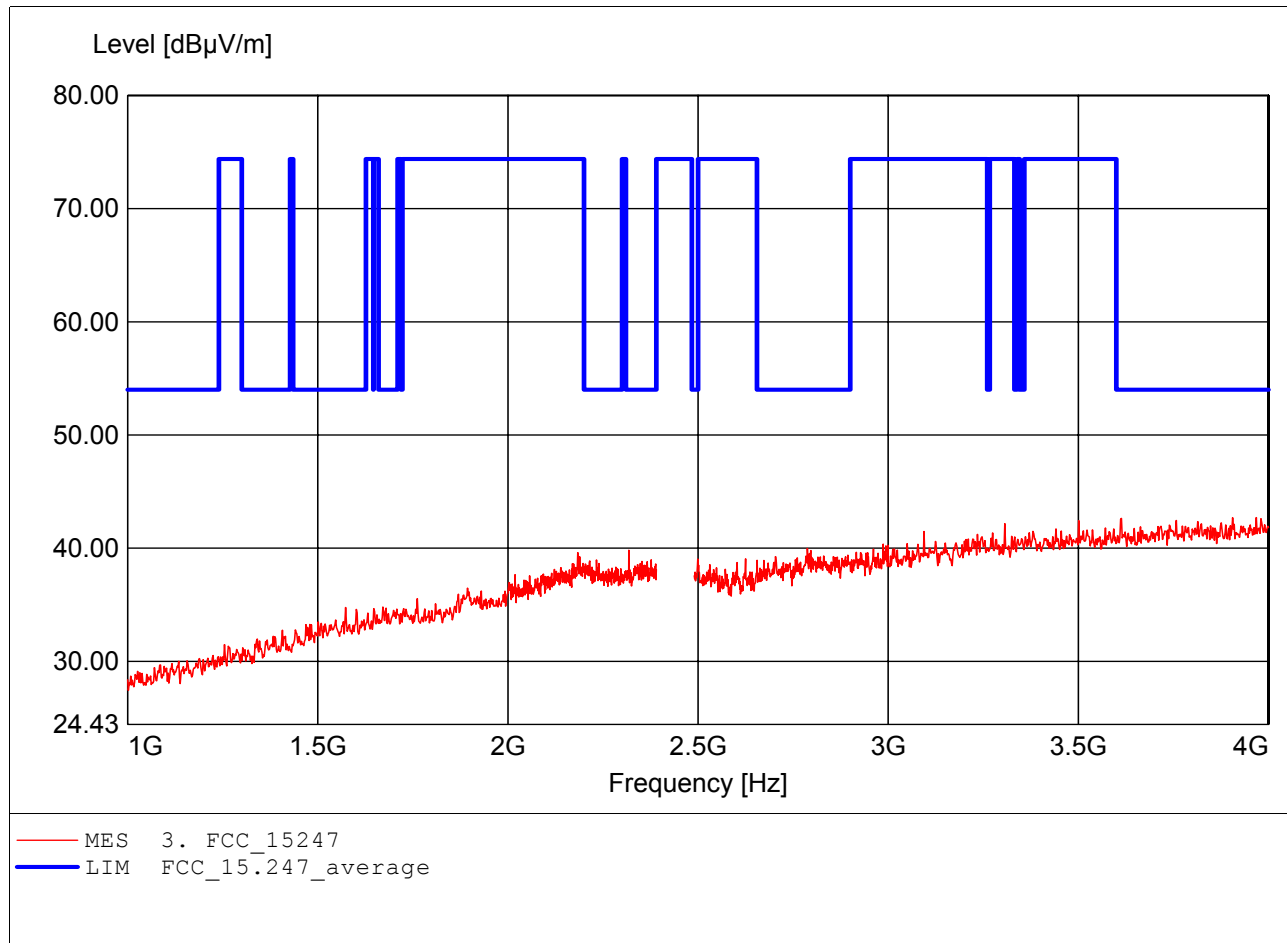


# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

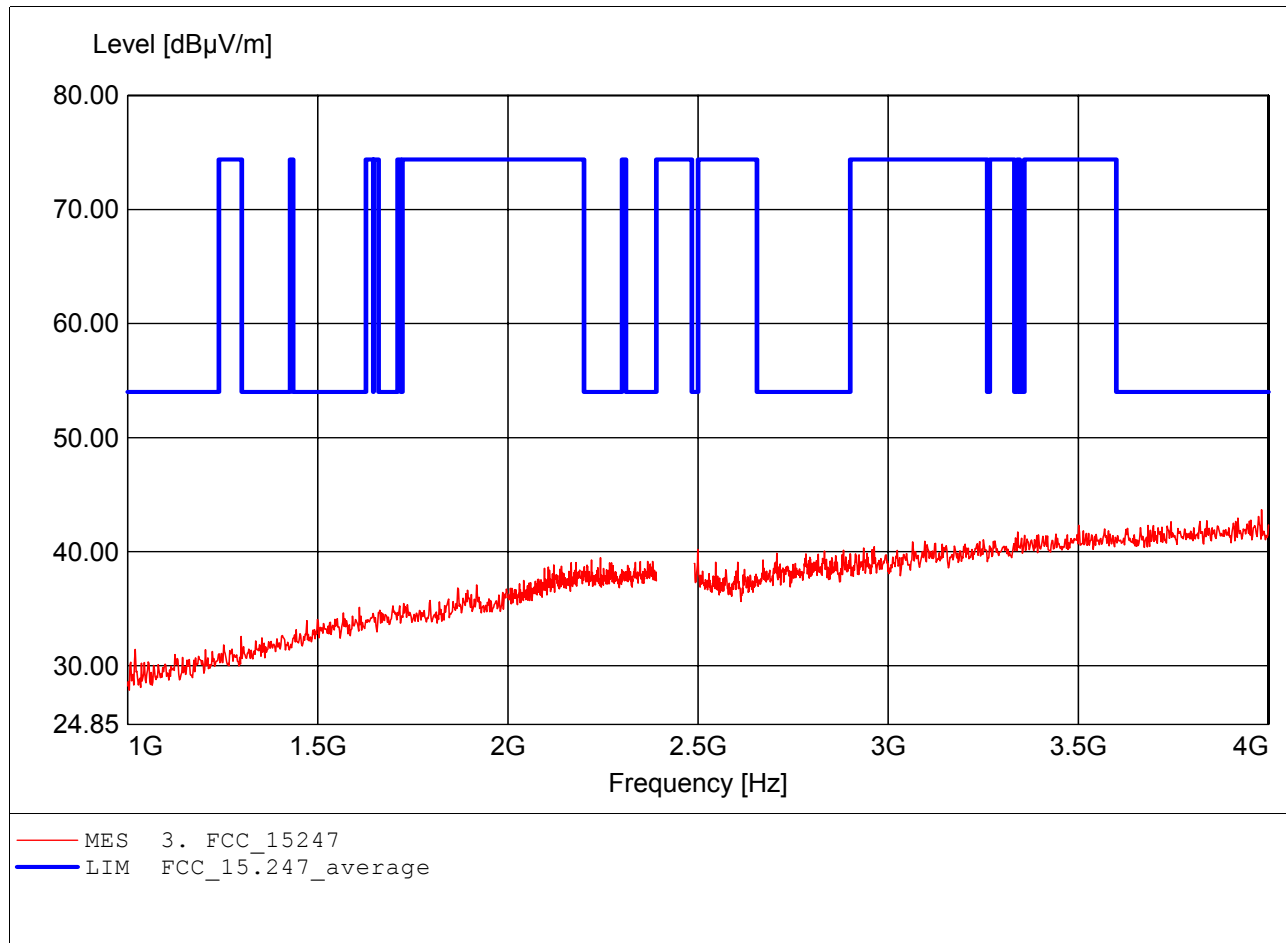
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Freq: 3.968GHz, Emax: 42.71dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

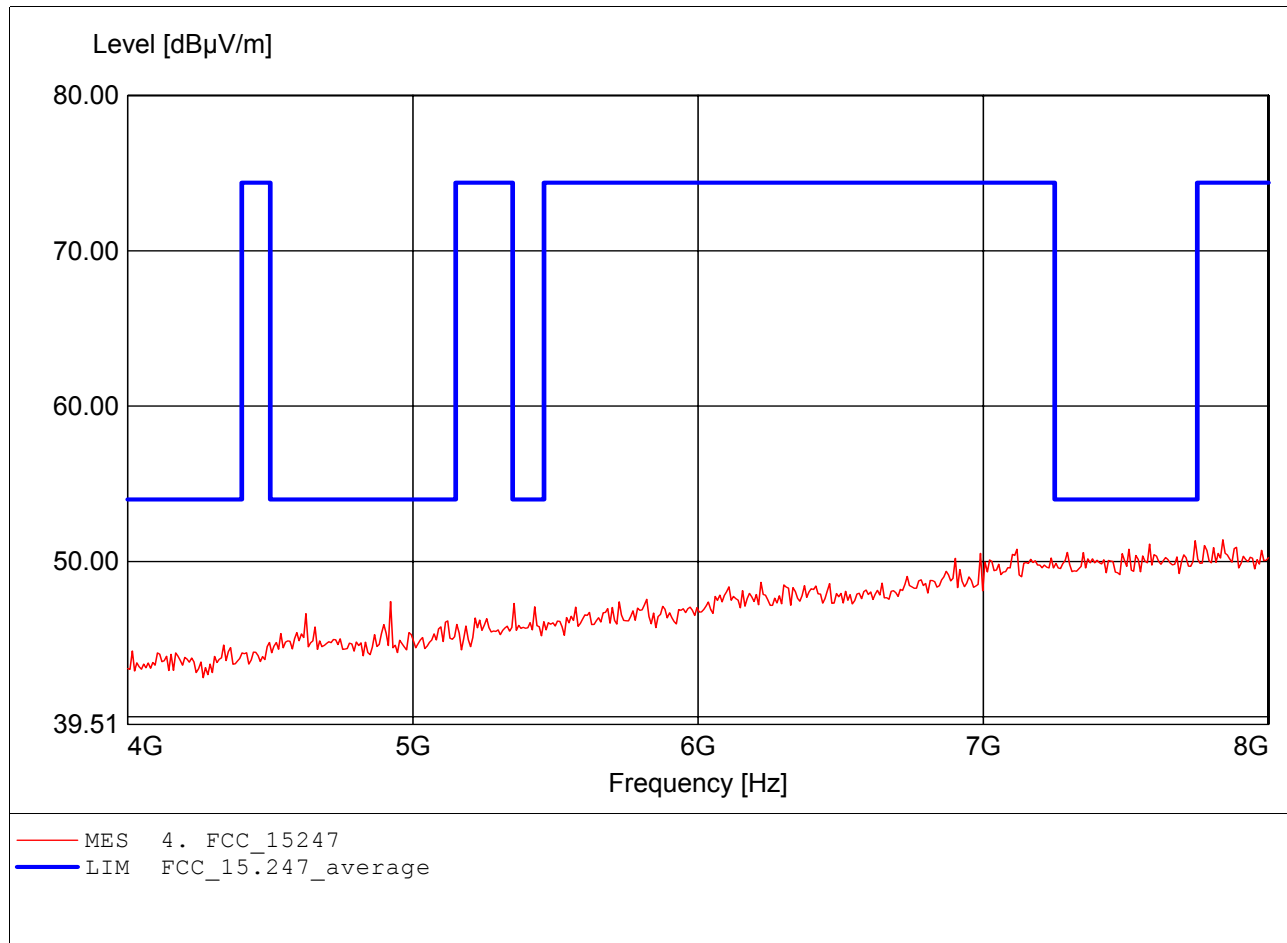
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Freq: 3.982GHz, Emax: 43.68dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

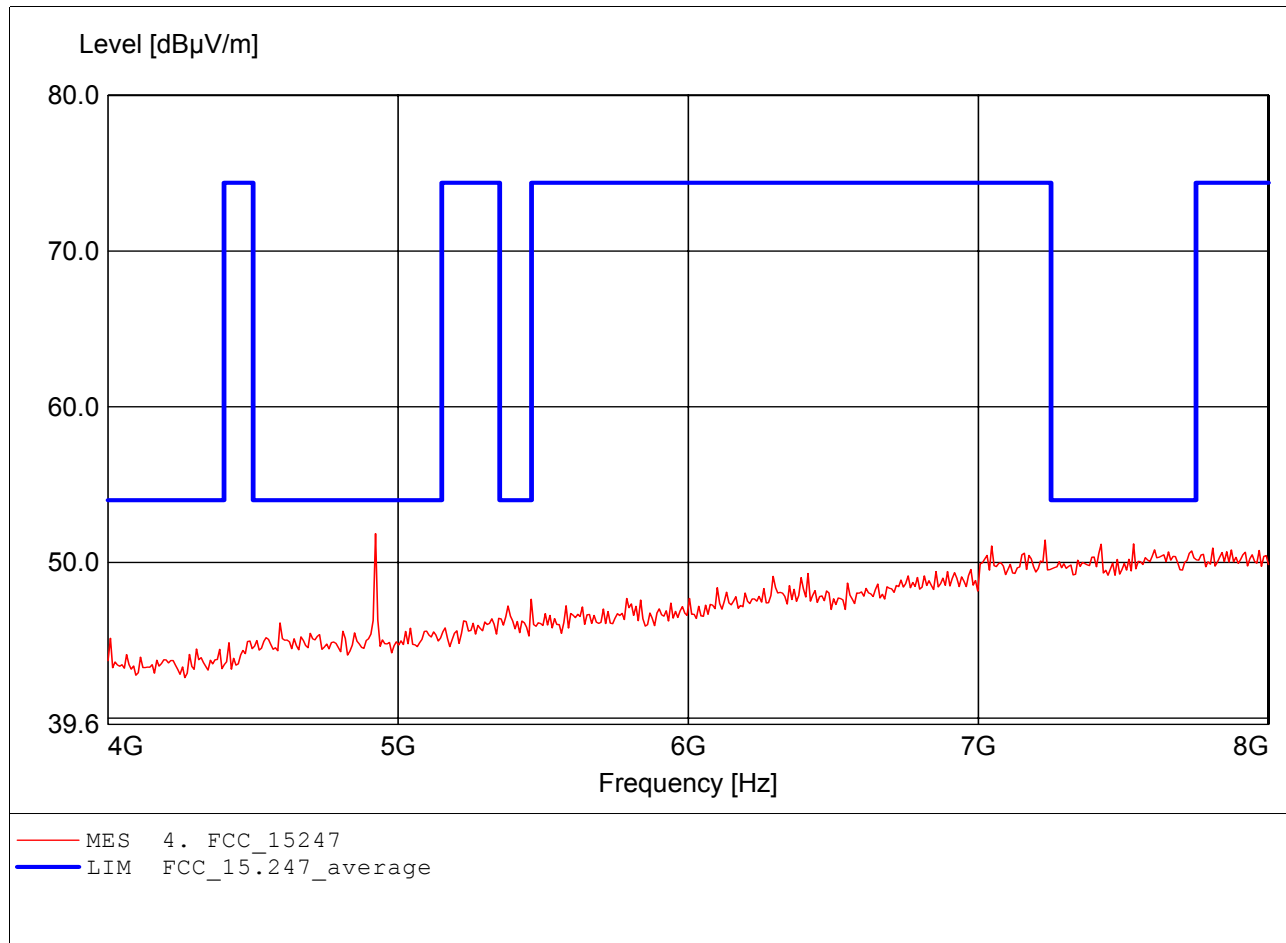
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 7.840GHz, Emax: 51.39dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

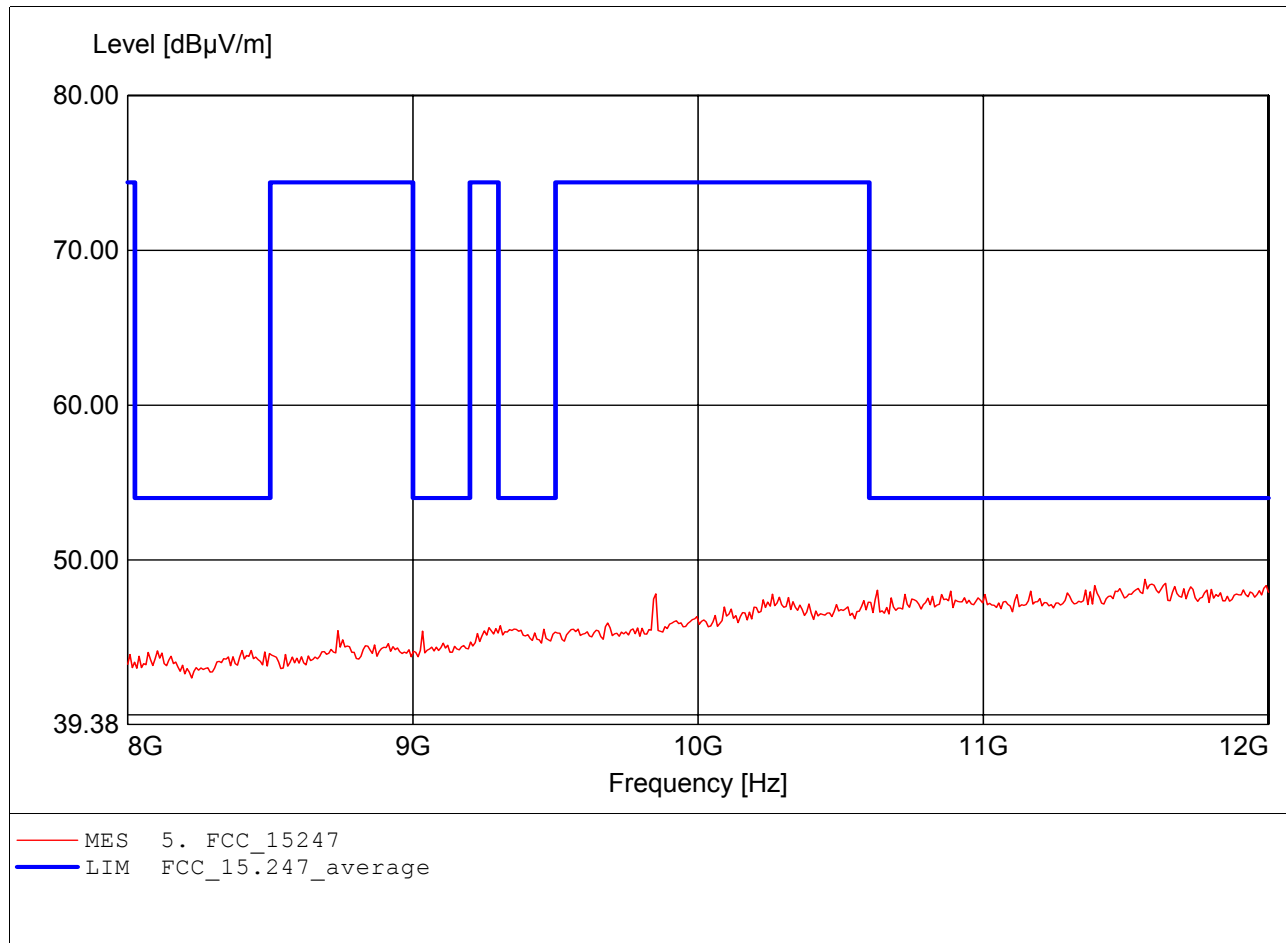
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 4.922GHz, Emax: 51.85dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

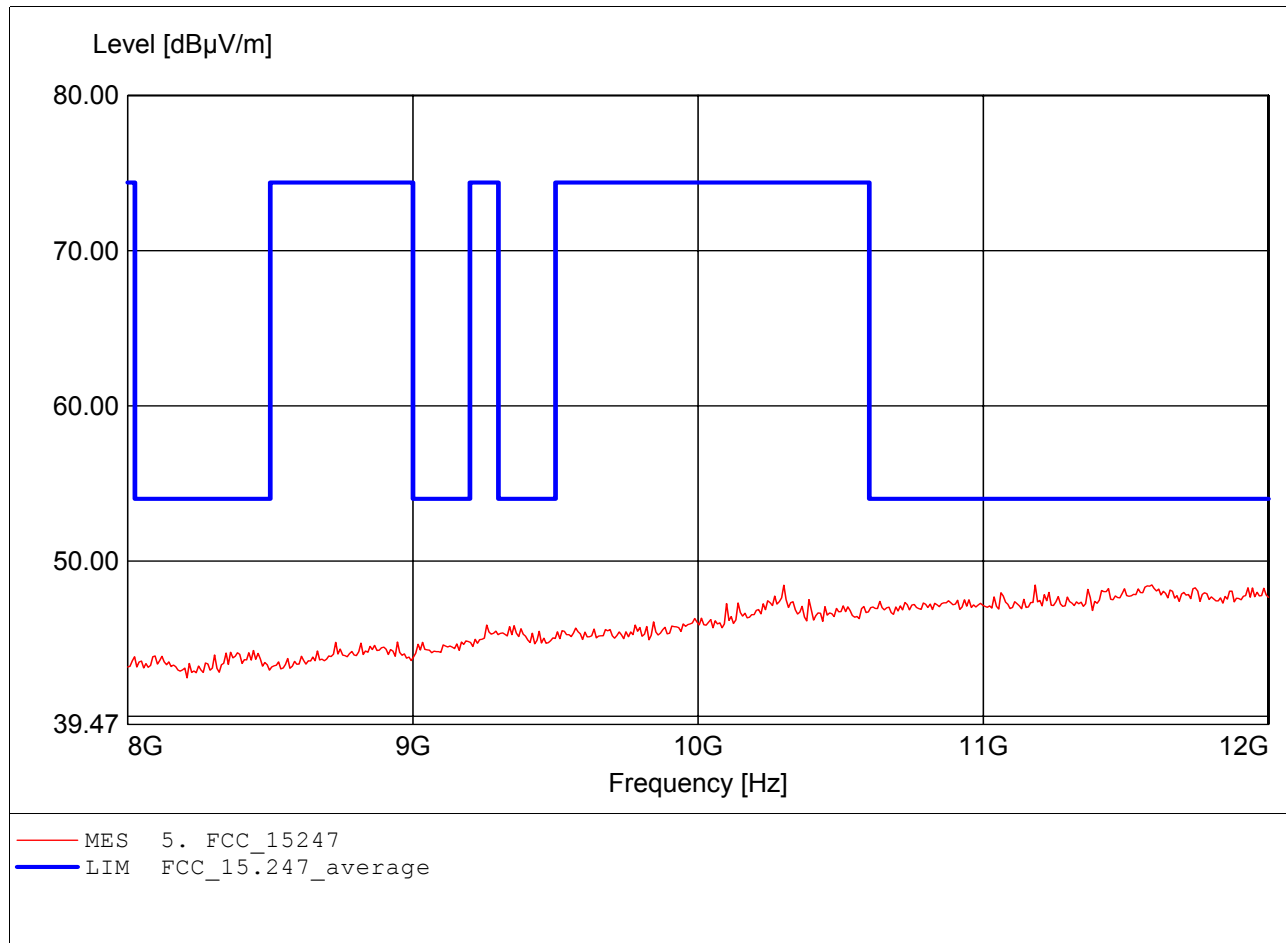
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 11.567GHz, Emax: 48.76dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

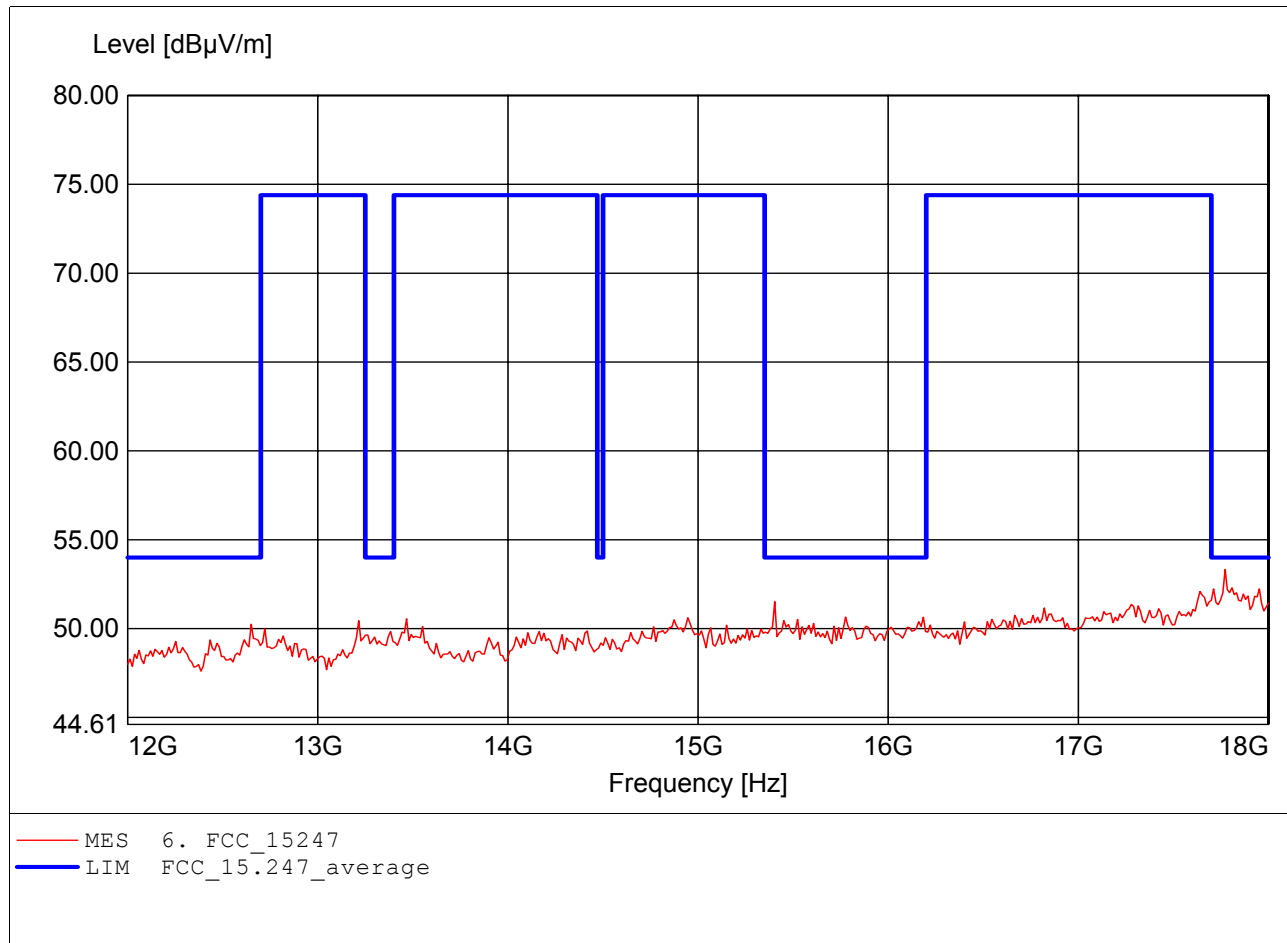
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 11.591GHz, Emax: 48.47dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

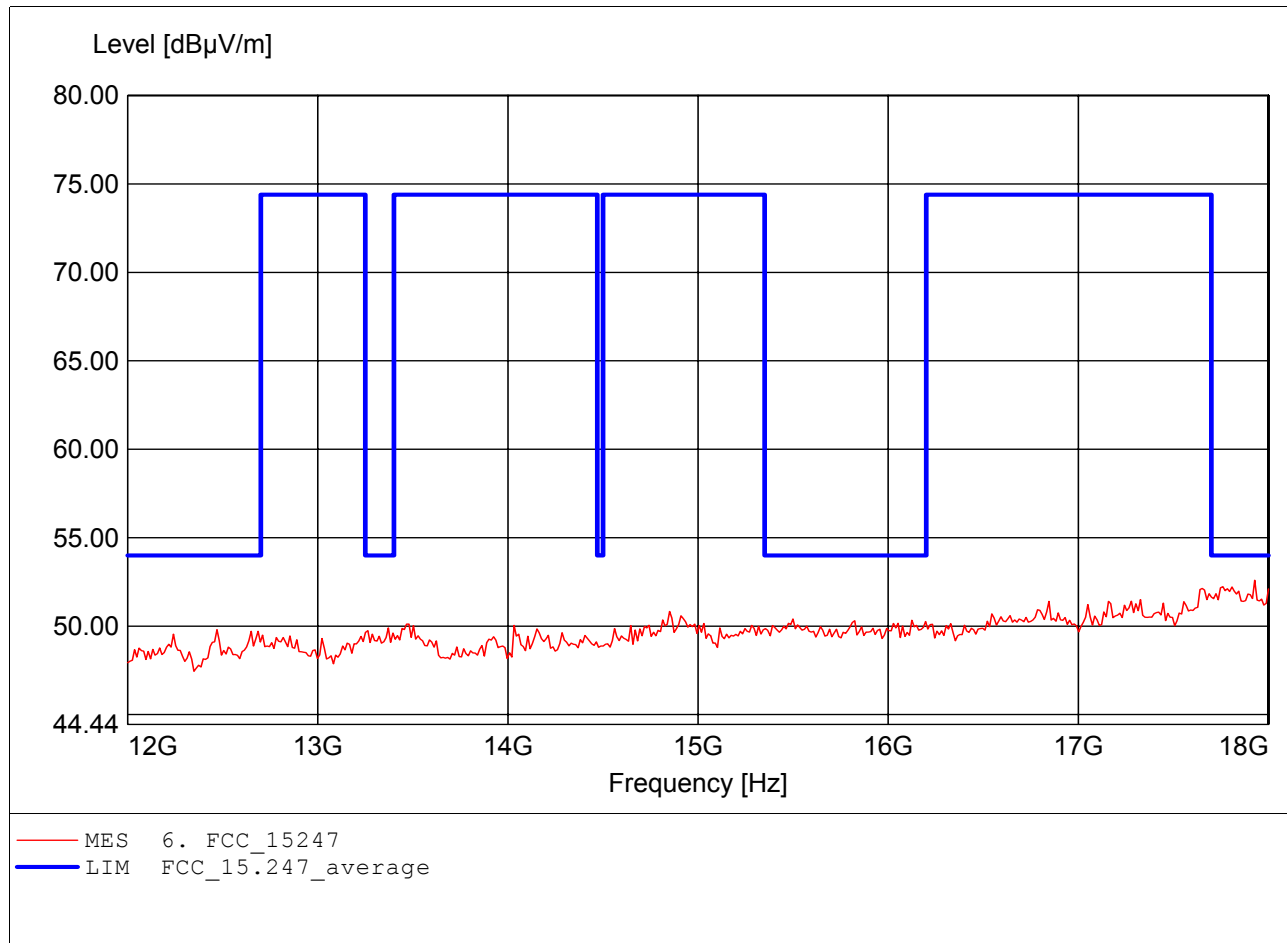
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 17.772GHz, Emax: 53.33dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.  
Freq: 17.928GHz, Emax: 52.59dBµV/m, RBW: 1MHz

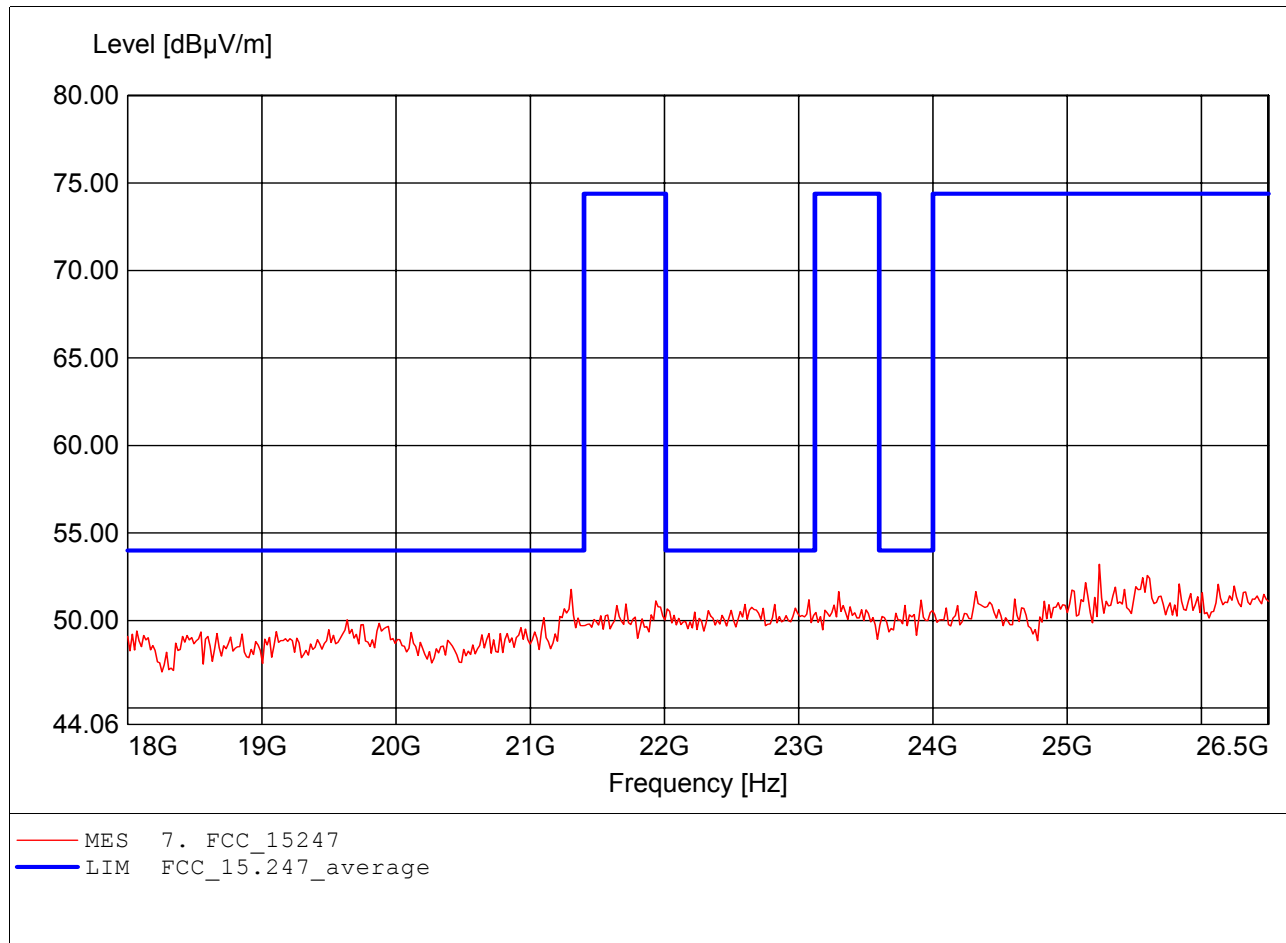




# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

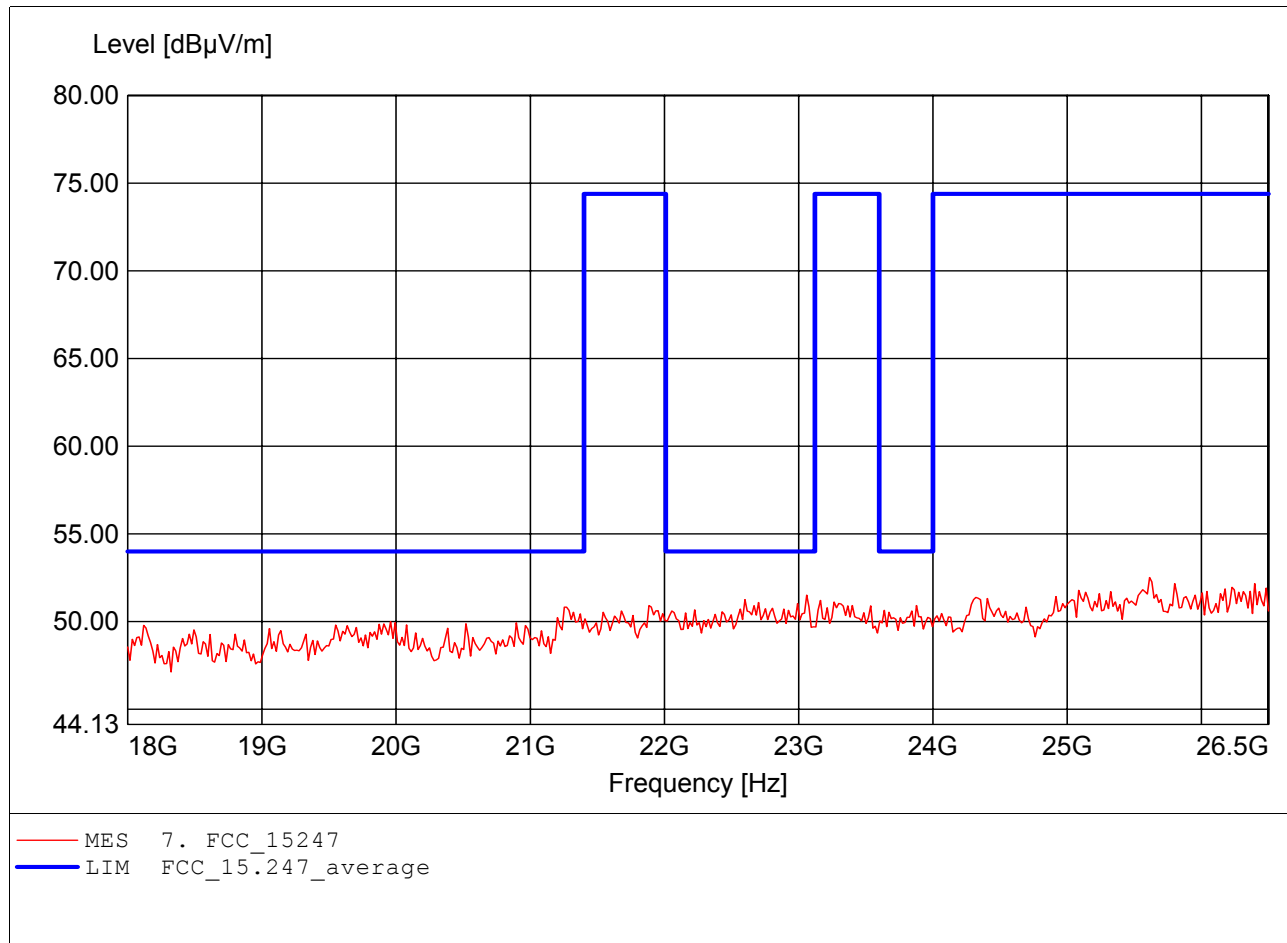
EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Freq: 25.239GHz, Emax: 53.21dBµV/m, RBW: 1MHz



# Spurious emissions Field Strength

## FCC RULES PART 15, SUBPART C

EUT: Cavalry Series & Mobile Crossing  
MODEL NO.: Cavalry Series & Mobile Crossing CH11  
Approval Holder: First International Computer, Inc.  
Test Site / Operator: ETS / Orville Chang  
Temperature/Voltage: Temp.: 23°C/ Unom.: 120VAC ( ac / dc adaptor )  
Test Specification: according to §15.247, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, amplif.  
Freq: 25.614GHz, Emax: 52.50dBμV/m, RBW: 1MHz





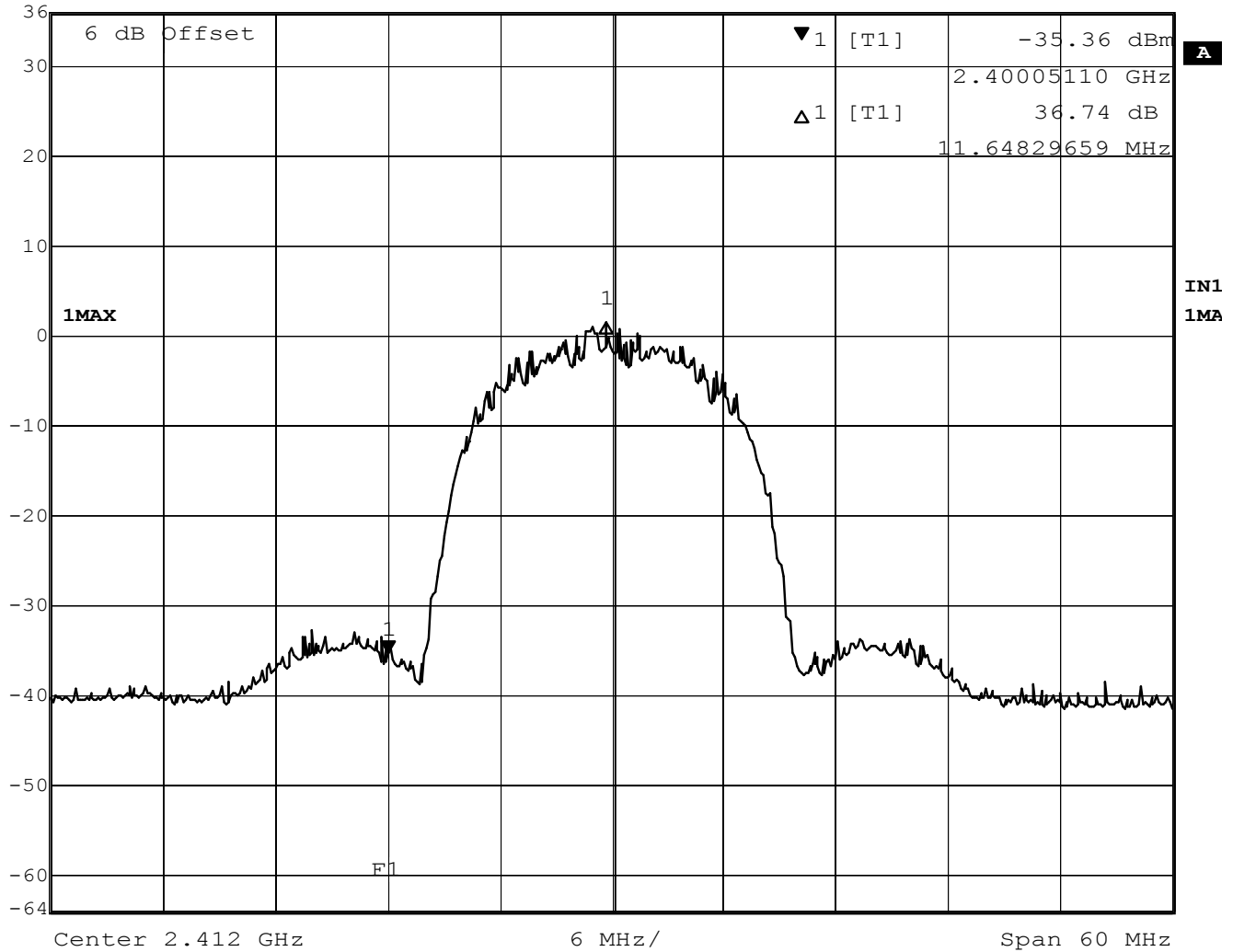
Registration number: W6M20404-5140-C-1  
FCC ID: EUNKJ610

## **Appendix C**

Bandedge



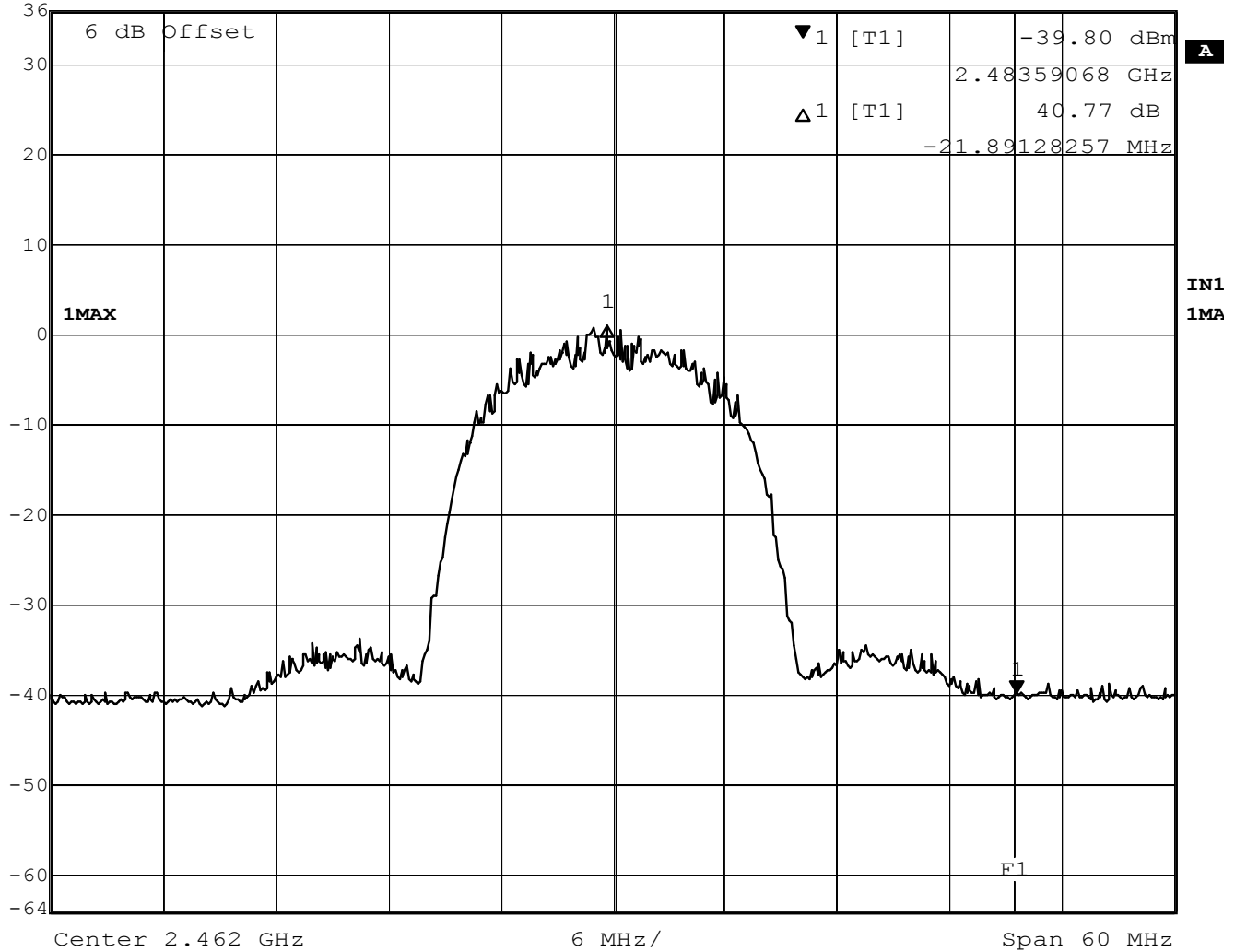
Marker 1 [T1]                      RBW    100 kHz    RF Att    40 dB  
 Ref Lvl                                -35.36 dBm    VBW    100 kHz  
 36 dBm                                2.40005110 GHz    SWT    500 ms    Unit                      dBm



Title:            11B CH1 Bandedge  
 Comment A:    First International Computer, Inc.  
 Date:            29.APR.2004 14:08:33



	Marker 1 [T1]	RBW	100 kHz	RF Att	40 dB
Ref Lvl	-39.80 dBm	VBW	100 kHz		
36 dBm	2.48359068 GHz	SWT	500 ms	Unit	dBm



Title: 11B CH11 Bandedge  
 Comment A: First International Computer, Inc.  
 Date: 29.APR.2004 14:31:47



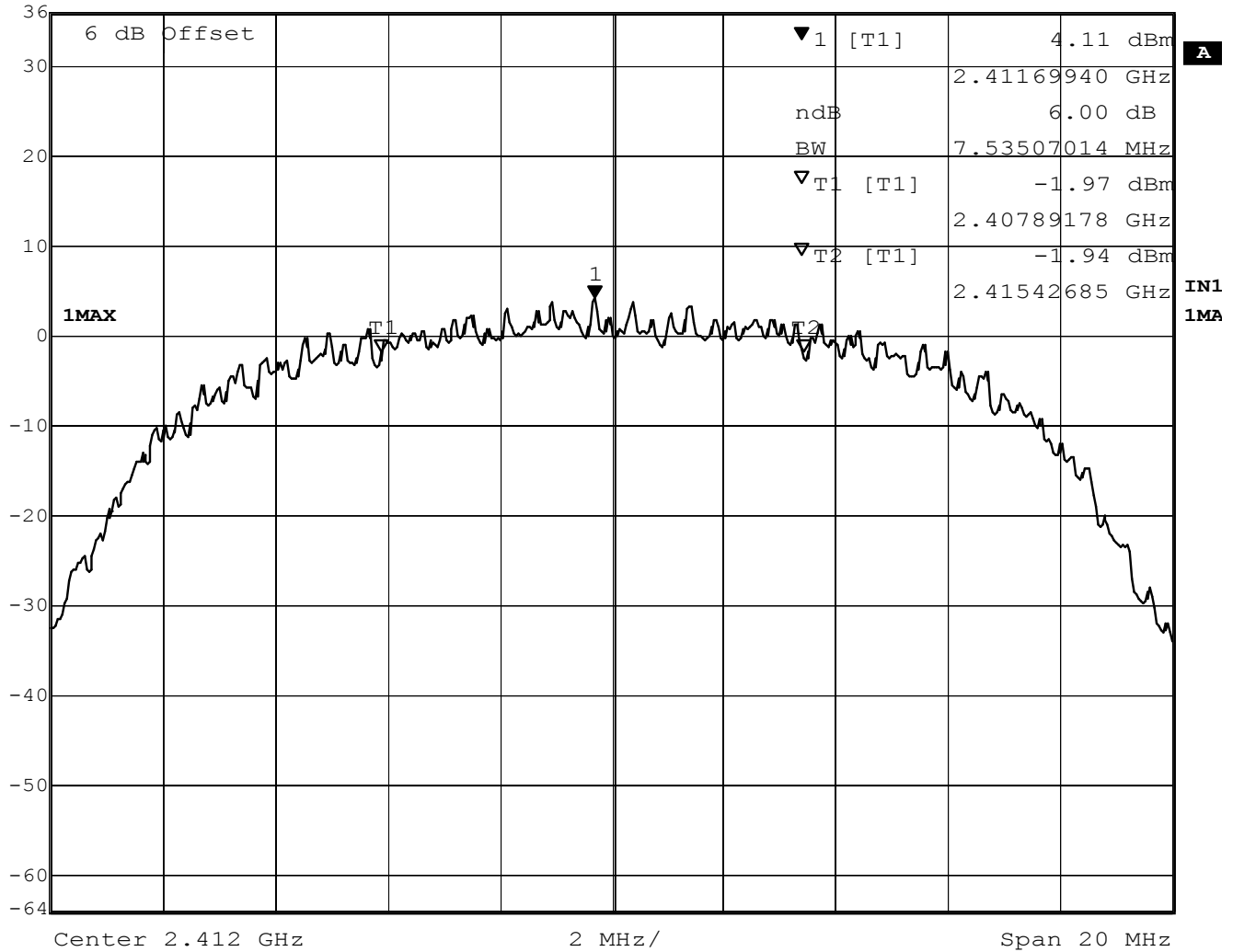
Registration number: W6M20404-5140-C-1  
FCC ID: EUNKJ610

## **Appendix D**

Maximum 6dB Bandwidth



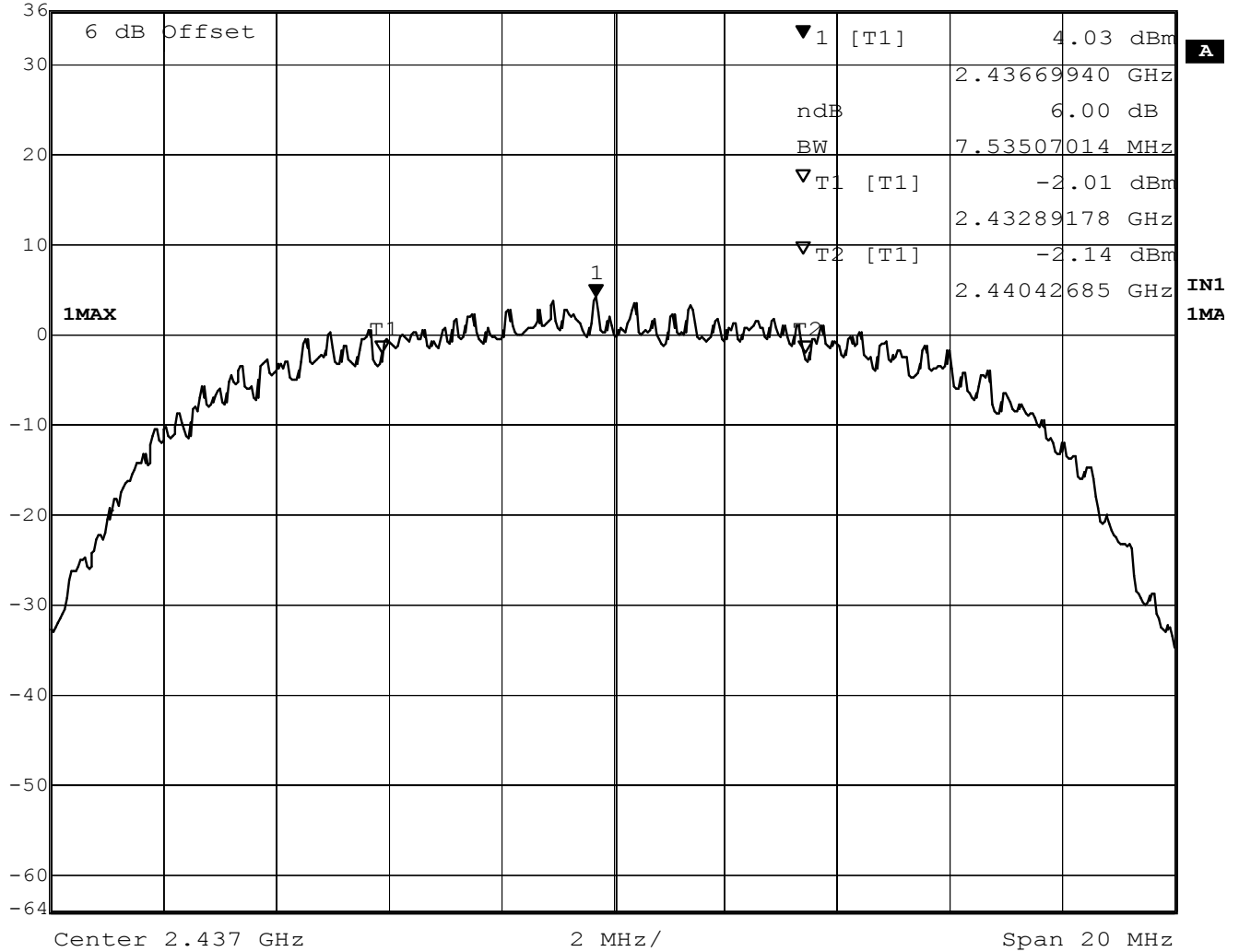
Marker 1 [T1 ndB]      RBW 100 kHz      RF Att 40 dB  
Ref Lvl      ndB      6.00 dB      VBW 300 kHz  
36 dBm      BW 7.53507014 MHz      SWT 500 ms      Unit dBm



Title: 11B CH1 6dB Bandwidth  
Comment A: First International Computer, Inc.  
Date: 29.APR.2004 11:32:45



Ref Lvl	36 dBm	Marker 1 [T1 ndB]	ndB	6.00 dB	RBW	100 kHz	RF Att	40 dB
		BW	7.53507014 MHz		VBW	300 kHz		
					SWT	500 ms	Unit	dBm

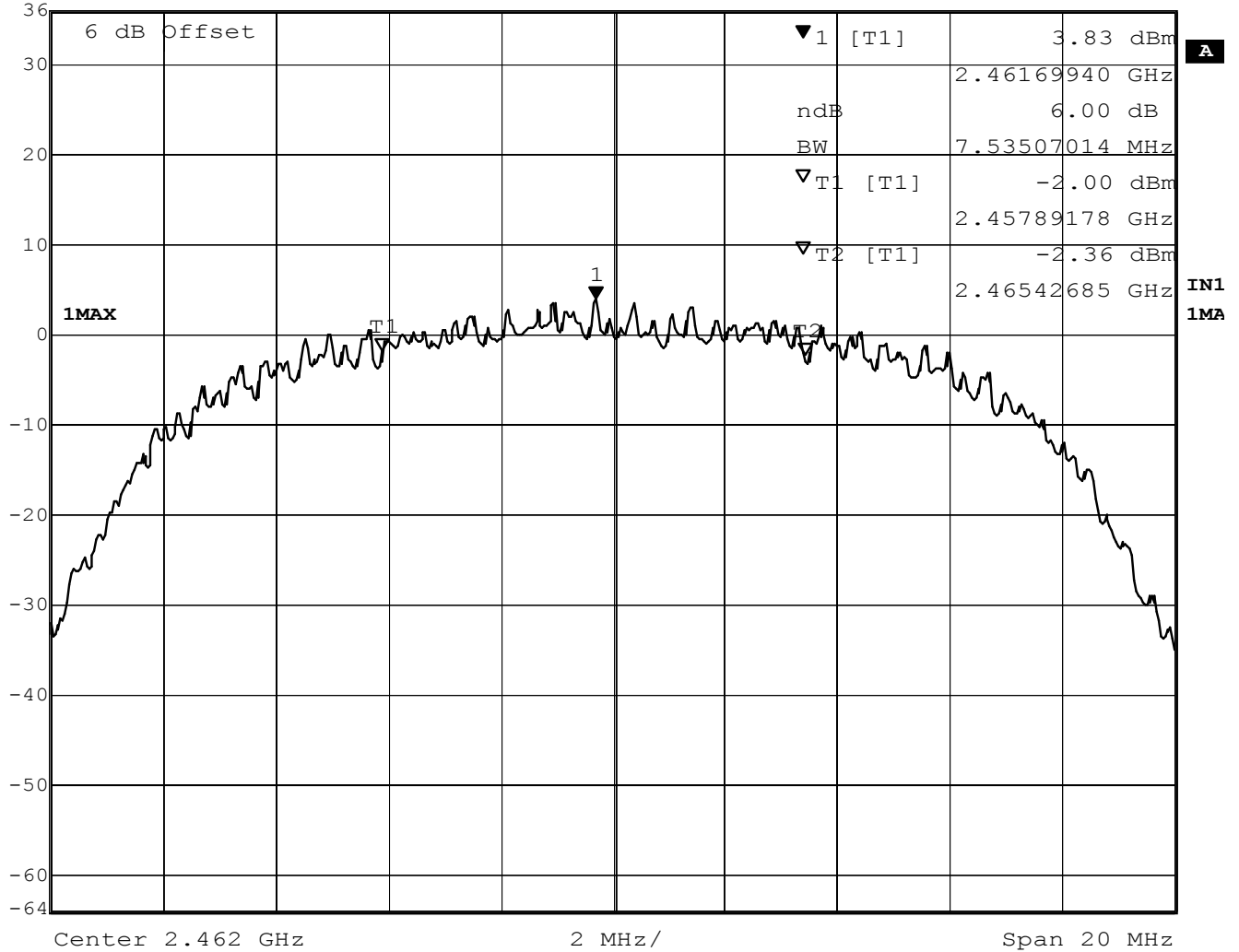


Title: 11B CH6 6dB Bandwidth  
 Comment A: First International Computer, Inc.  
 Date: 29.APR.2004 11:33:30





Ref Lvl	36 dBm	Marker 1 [T1 ndB]	ndB	6.00 dB	RBW	100 kHz	RF Att	40 dB
		BW	7.53507014 MHz	SWT	500 ms	Unit		dBm



Title: 11B CH11 6dB Bandwidth  
 Comment A: First International Computer, Inc.  
 Date: 29.APR.2004 11:34:28



Registration number: W6M20404-5140-C-1  
FCC ID: EUNKJ610

## **Appendix E**

### Peak Power Spectral Density



Marker 1 [T2]

RBW 3 kHz

RF Att 40 dB

40 dB

Ref Lvl

-12.69 dBm

VBW 100 kHz

36 dBm

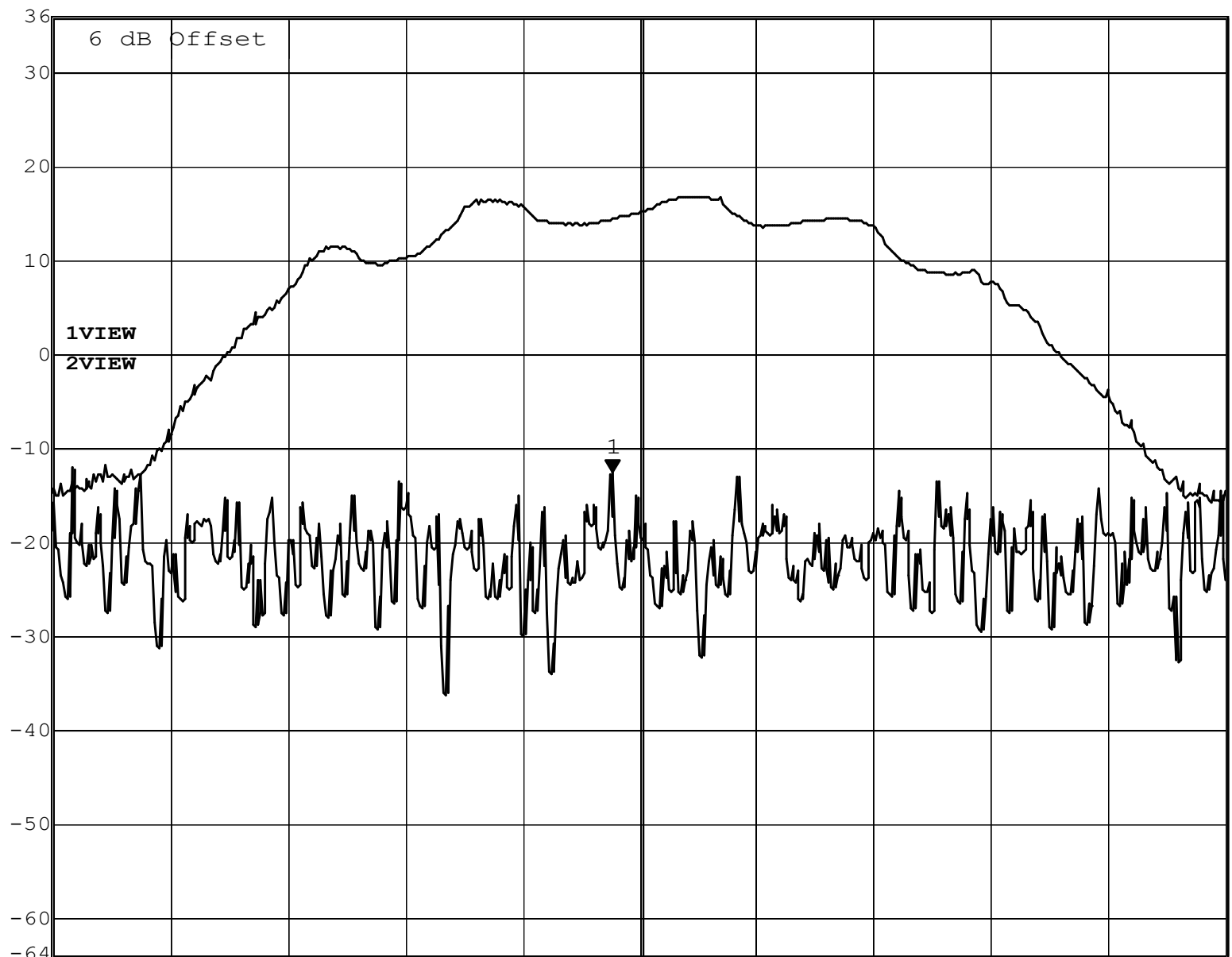
2.41196543 GHz

SWT

500 s

Unit

dBm



\*  
A  
IN1  
1MA  
2MA

Center 2.412 GHz

150 kHz/

Span 1.5 MHz

Title: 11B CH1 Power Density  
Comment A: First International Computer, Inc.  
Date: 29.APR.2004 14:01:43



Marker 1 [T2]

RBW 3 kHz

RF Att 40 dB

40 dB

Ref Lvl

-12.97 dBm

VBW 100 kHz

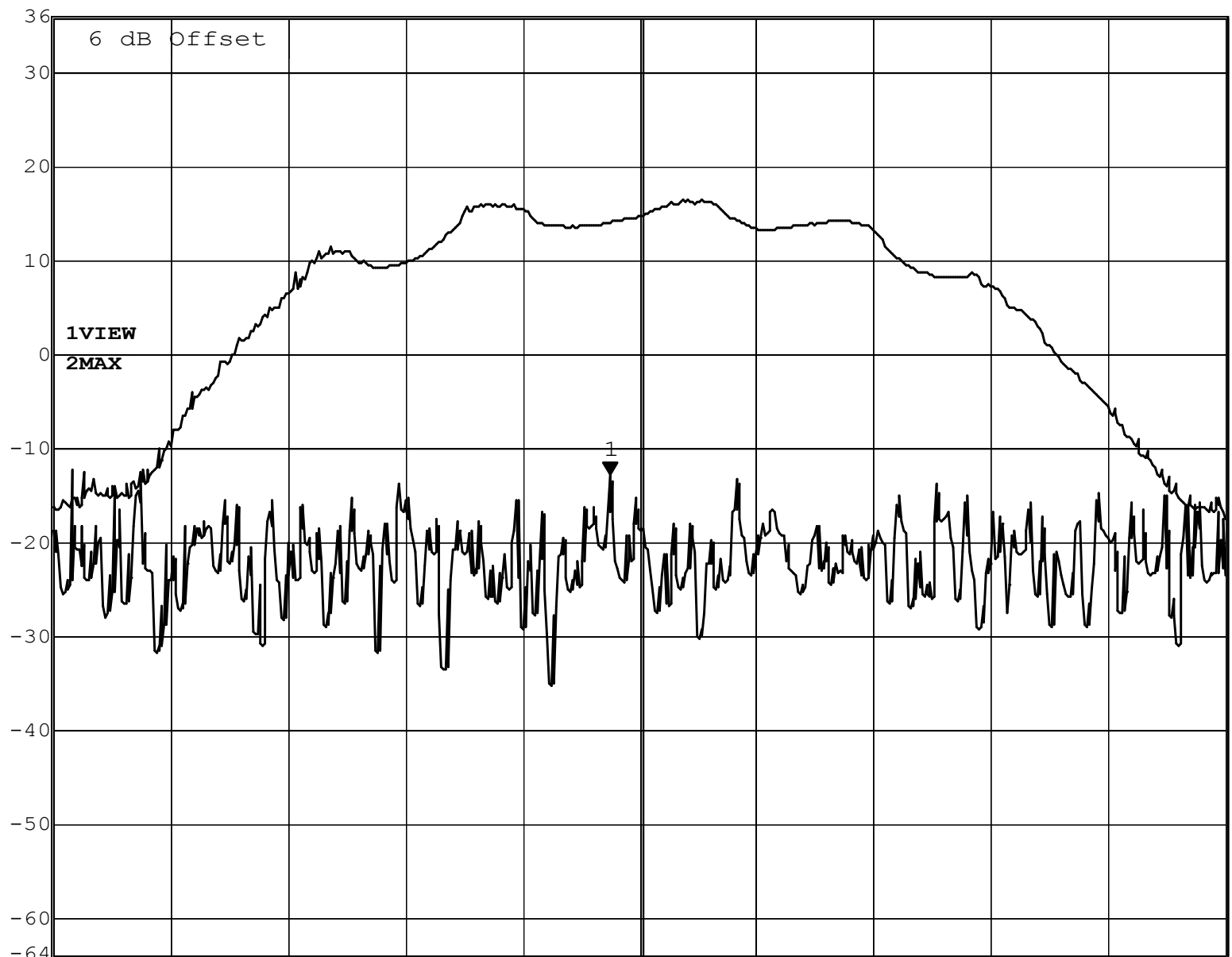
36 dBm

2.43696242 GHz

SWT 500 s

Unit

dBm



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Title: 11B CH6 Power Density

Comment A: First International Computer, Inc.

Date: 29.APR.2004 14:16:24



Marker 1 [T2]

RBW 3 kHz

RF Att 40 dB

40 dB

Ref Lvl

-13.09 dBm

VBW 100 kHz

36 dBm

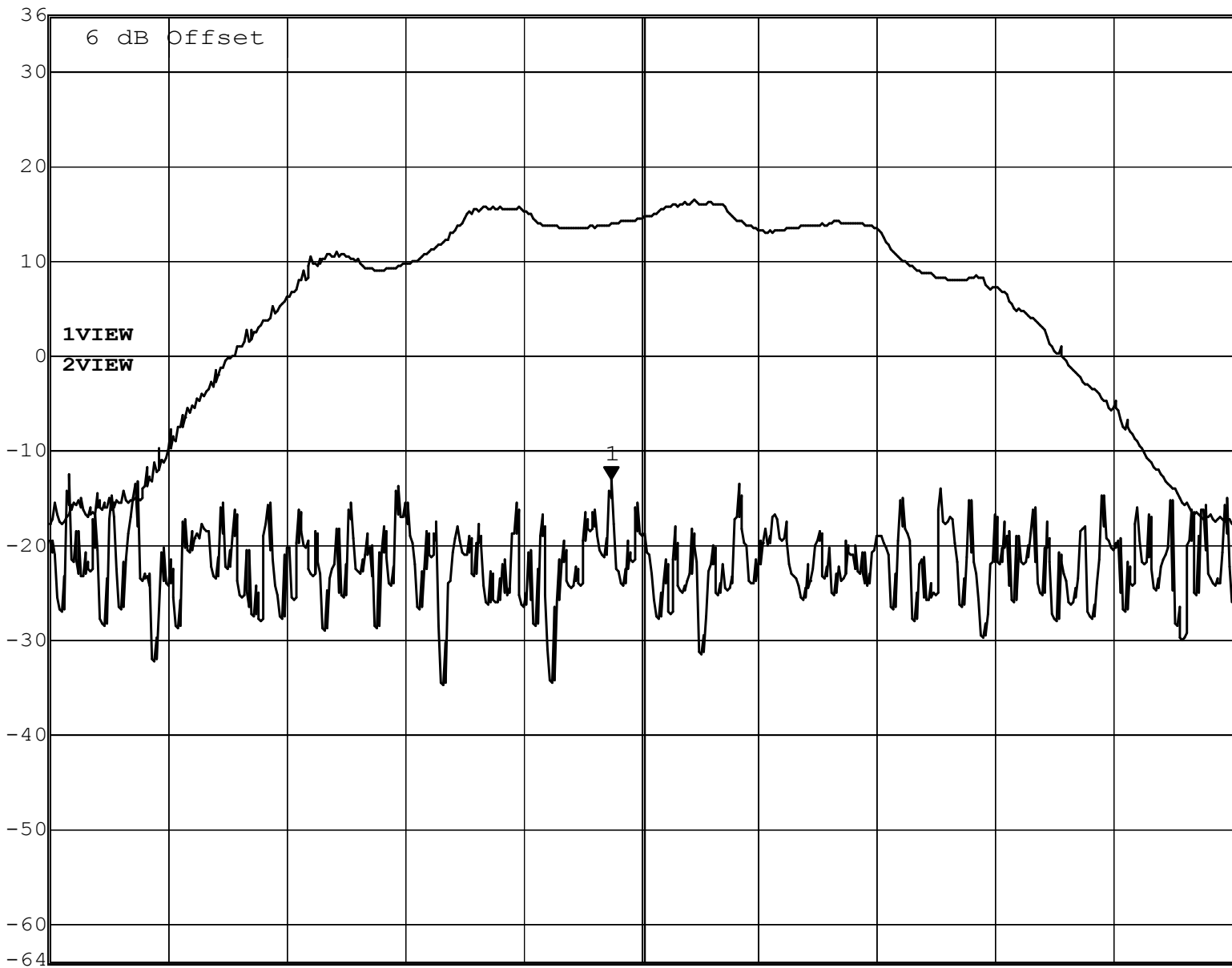
2.46196242 GHz

SWT

500 s

Unit

dBm



Center 2.462 GHz

150 kHz/

Span 1.5 MHz

Title: 11B CH11 Power Density  
Comment A: First International Computer, Inc.  
Date: 29.APR.2004 14:28:36



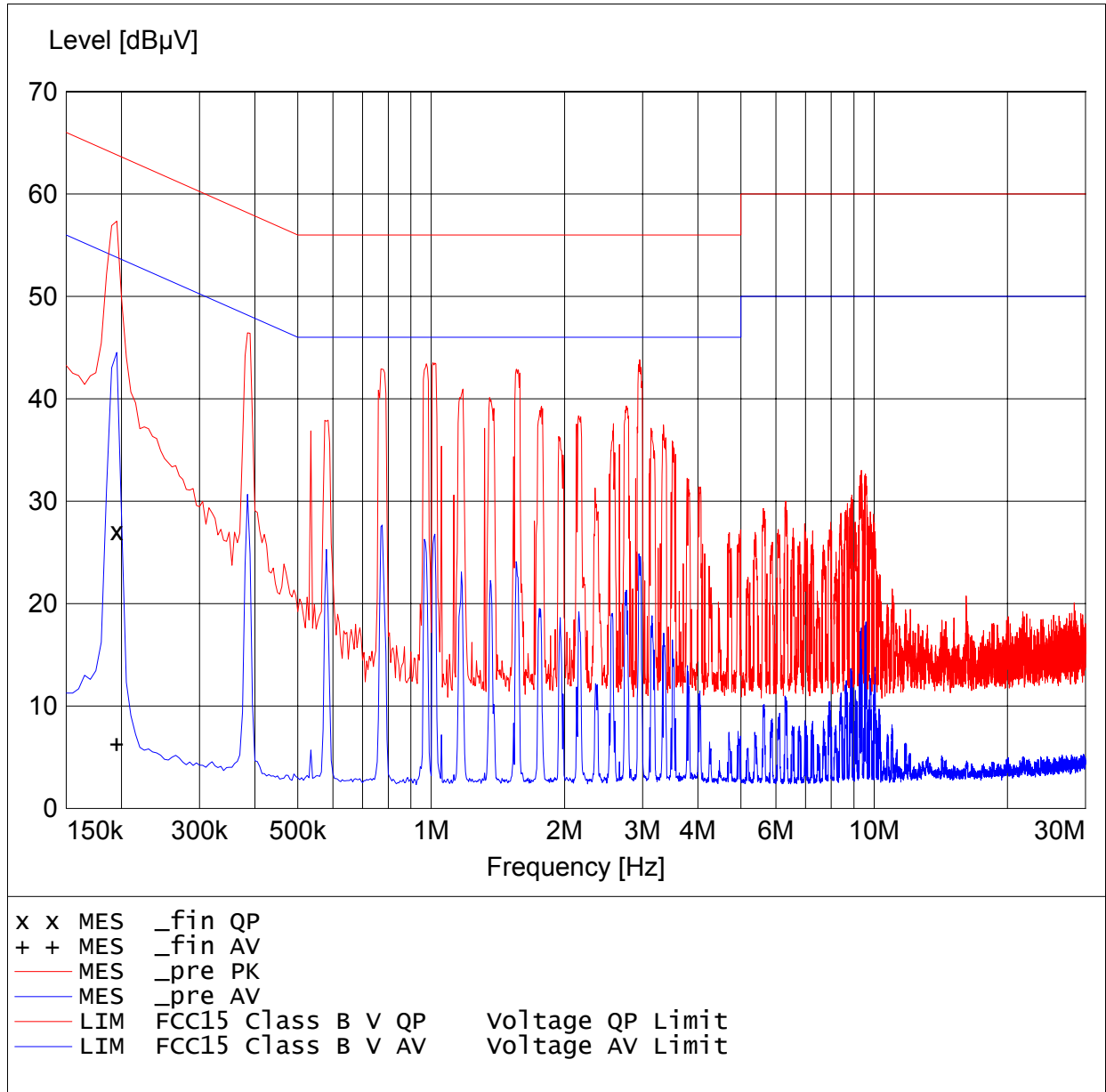
Registration number: W6M20404-5140-C-1  
FCC ID: EUNKJ610

## **Appendix F**

### Power Line Conducted Emission

**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

EUT: Cavalry Series & Mobile Crossing  
 Approval Holder: First International Computer, Inc.  
 Operating Condition: Unom: 120 VAC (adaptor model no: FSY0503), Tnom: 25°C  
 Test Site: ETS  
 Operator: Sander Huang  
 Test Specification: V-network: ESH3-Z5 L1  
 Comment: model: Cavalry Series & Mobile Crossing mode: active



**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

EUT: Cavalry Series & Mobile Crossing  
Approval Holder: First International Computer, Inc.  
Operating Condition: Unom: 120 VAC (adaptor model no: FSY0503), Tnom: 25°C  
Test Site: ETS  
Operator: Sander Huang  
Test Specification: V-network: ESH3-Z5 L1  
Comment: model: Cavalry Series & Mobile Crossing mode: active

**MEASUREMENT RESULT: "\_fin QP"**

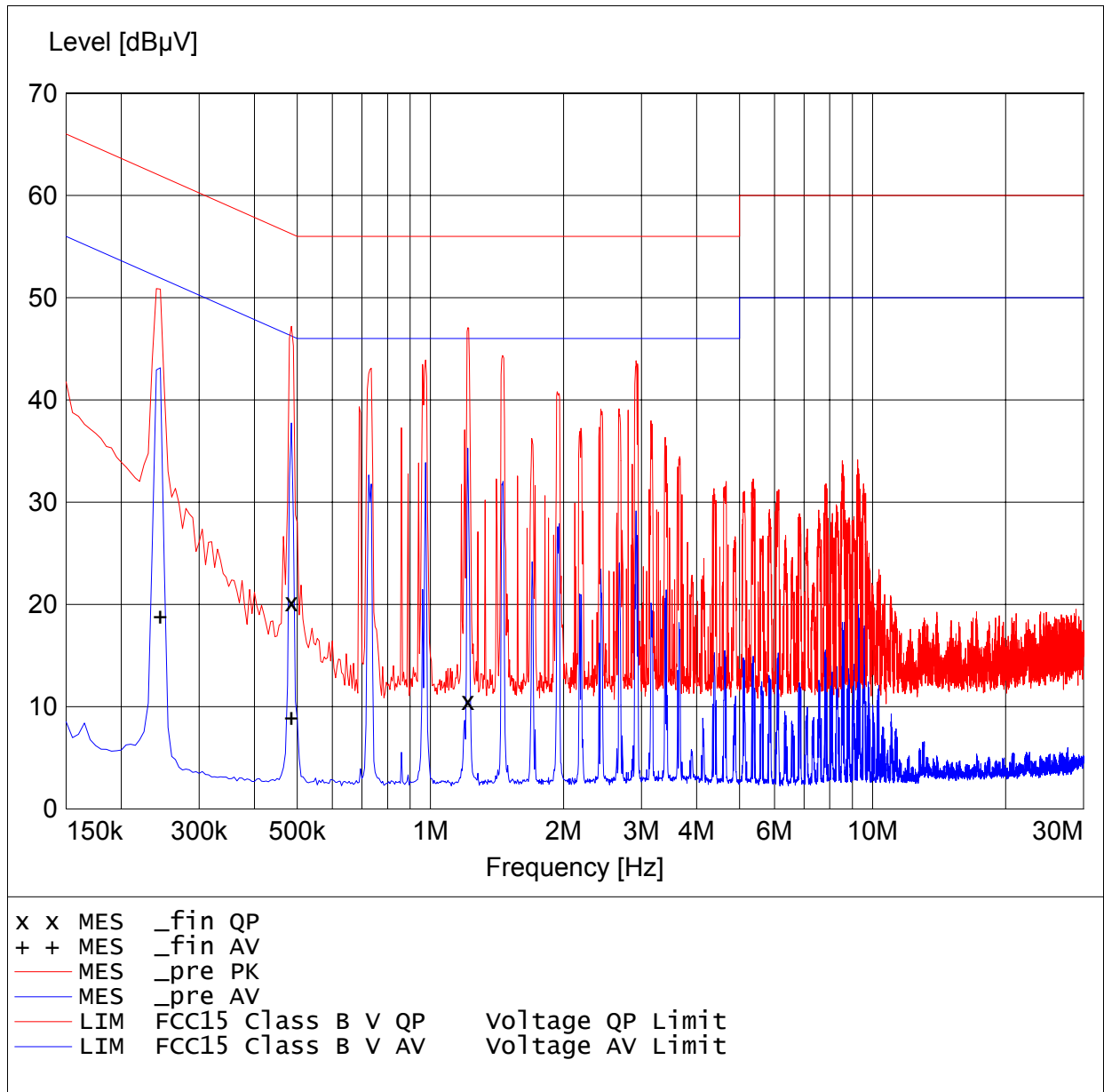
27.04.04 16:55

Frequency MHZ	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.195000	27.10	10.0	64	36.7	---	---



**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

EUT: Cavalry Series & Mobile Crossing  
 Approval Holder: First International Computer, Inc.  
 Operating Condition: Unom: 120 VAC (adaptor model no: FSY0503), Tnom: 25°C  
 Test Site: ETS  
 Operator: Sander Huang  
 Test Specification: V-network: ESH3-Z5 N  
 Comment: model: Cavalry Series & Mobile Crossing mode: active



**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

EUT: Cavalry Series & Mobile Crossing  
Approval Holder: First International Computer, Inc.  
Operating Condition: Unom: 120 VAC (adaptor model no: FSY0503), Tnom: 25°C  
Test Site: ETS  
Operator: Sander Huang  
Test Specification: V-network: ESH3-Z5 N  
Comment: model: Cavalry Series & Mobile Crossing mode: active

**MEASUREMENT RESULT: "\_fin QP"**

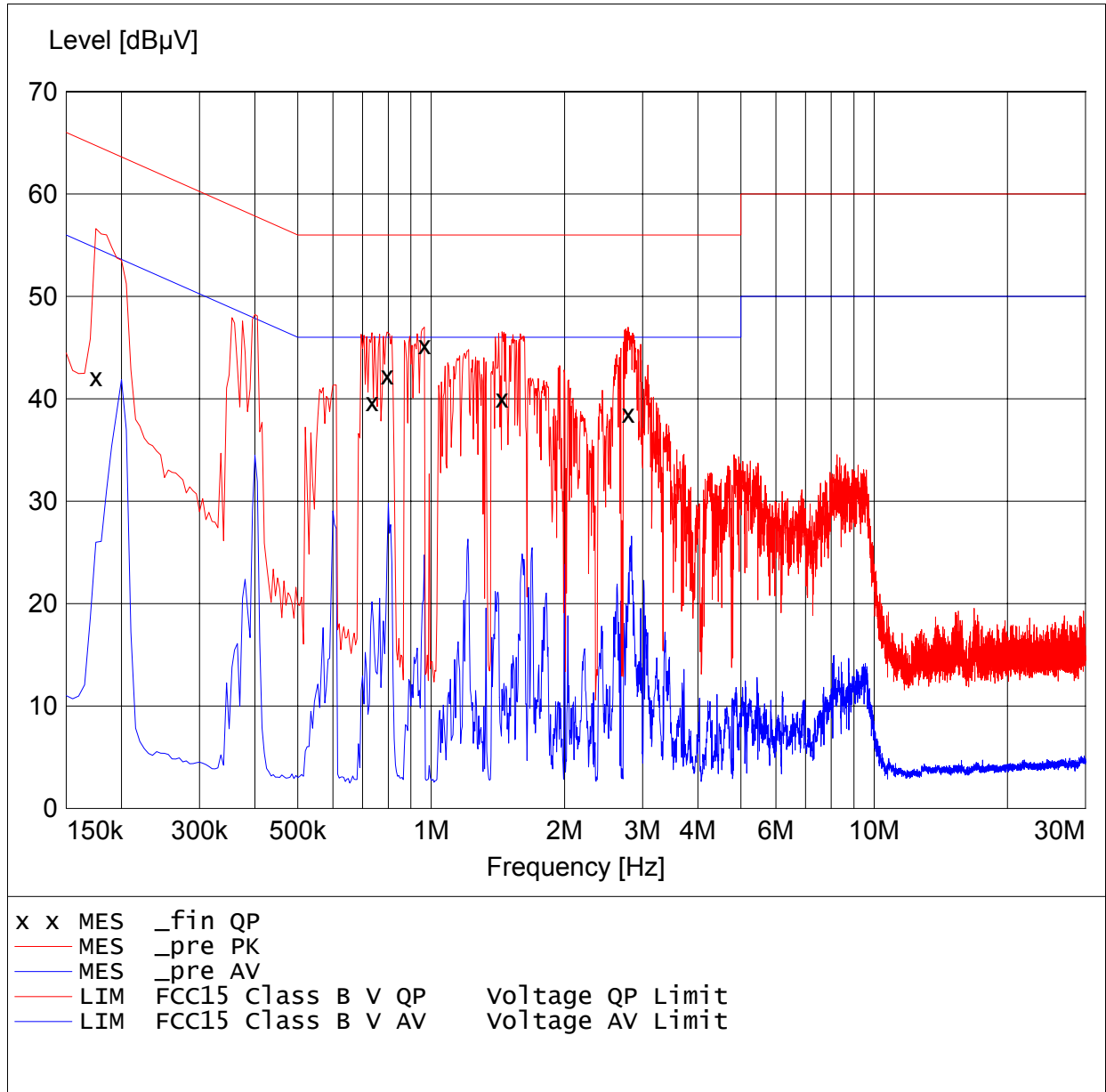
27.04.04 17:15

Frequency MHZ	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.485000	20.20	10.0	56	36.0	---	---
1.215000	10.60	10.0	56	45.4	---	---

**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

**Class B**

EUT: Cavalry Series & Mobile Crossing  
Manufacturer: First International Computer, Inc.  
Operating Condition: Unom: 120VAC (adaptor model no: NFU10), Tnom: 25°C  
Test Site: ETS  
Operator: Sander Huang  
Test Specification: V-network: ESH3-Z5 L1  
Comment: model: Cavalry Series & Mobile Crossing mode : active



**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

**Class B**

EUT: Cavalry Series & Mobile Crossing  
Manufacturer: First International Computer, Inc.  
Operating Condition: Unom: 120VAC (adaptor model no: NFU10), Tnom: 25°C  
Test Site: ETS  
Operator: Sander Huang  
Test Specification: V-network: ESH3-Z5 L1  
Comment: model: Cavalry Series & Mobile Crossing mode : active

**MEASUREMENT RESULT: "\_fin QP"**

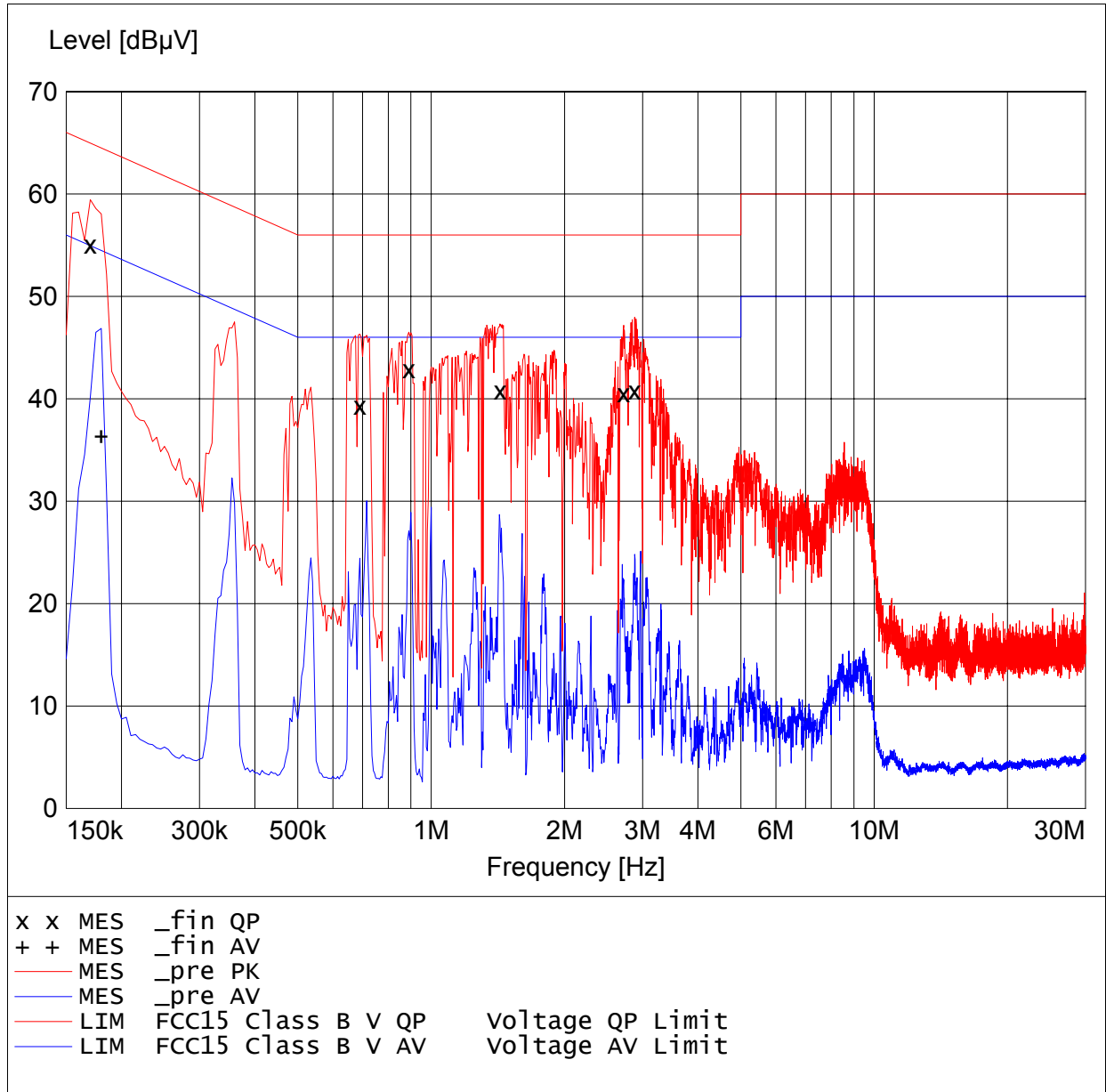
05.05.04 18:41

Frequency MHZ	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.175000	42.10	10.0	65	22.7	---	---
0.735000	39.70	10.0	56	16.3	---	---
0.795000	42.30	10.0	56	13.7	---	---
0.965000	45.20	10.0	56	10.8	---	---
1.445000	40.00	10.0	56	16.0	---	---
2.785000	38.50	10.0	56	17.5	---	---

**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

**Class B**

EUT: Cavalry Series & Mobile Crossing  
Manufacturer: First International Computer, Inc.  
Operating Condition: Unom: 120VAC (adaptor model no: NFU10), Tnom: 25°C  
Test Site: ETS  
Operator: Sander Huang  
Test Specification: V-network: ESH3-Z5 N  
Comment: model: Cavalry Series & Mobile Crossing mode : active



**EMI voltage test in the ac-mains according to FCC Part 15 Class B**

**Class B**

EUT: Cavalry Series & Mobile Crossing  
Manufacturer: First International Computer, Inc.  
Operating Condition: Unom: 120VAC (adaptor model no: NFU10), Tnom: 25°C  
Test Site: ETS  
Operator: Sander Huang  
Test Specification: V-network: ESH3-Z5 N  
Comment: model: Cavalry Series & Mobile Crossing mode : active

**MEASUREMENT RESULT: "\_fin QP"**

05.05.04 18:19

Frequency MHZ	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.170000	55.00	10.0	65	10.0	---	---
0.690000	39.30	10.0	56	16.7	---	---
0.890000	42.90	10.0	56	13.1	---	---
1.430000	40.80	10.0	56	15.2	---	---
2.720000	40.50	10.0	56	15.5	---	---
2.880000	40.80	10.0	56	15.2	---	---



Registration number: W6M20404-5140-C-1  
FCC ID: EUNKJ610

## **Appendix G**

Pictures























































































