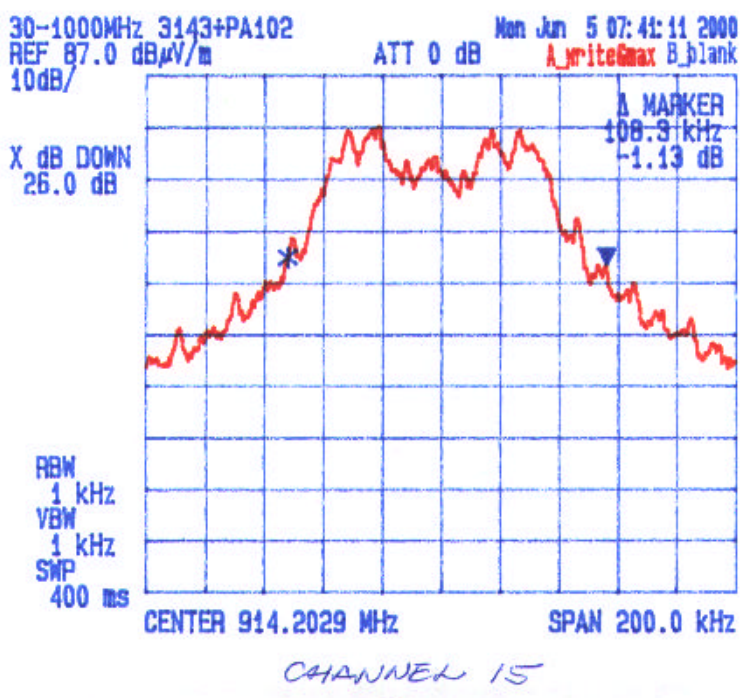
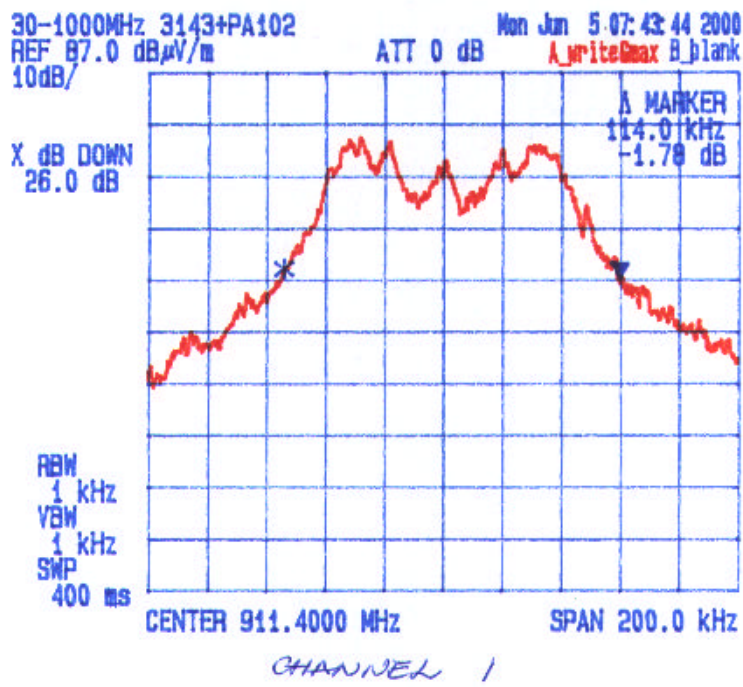


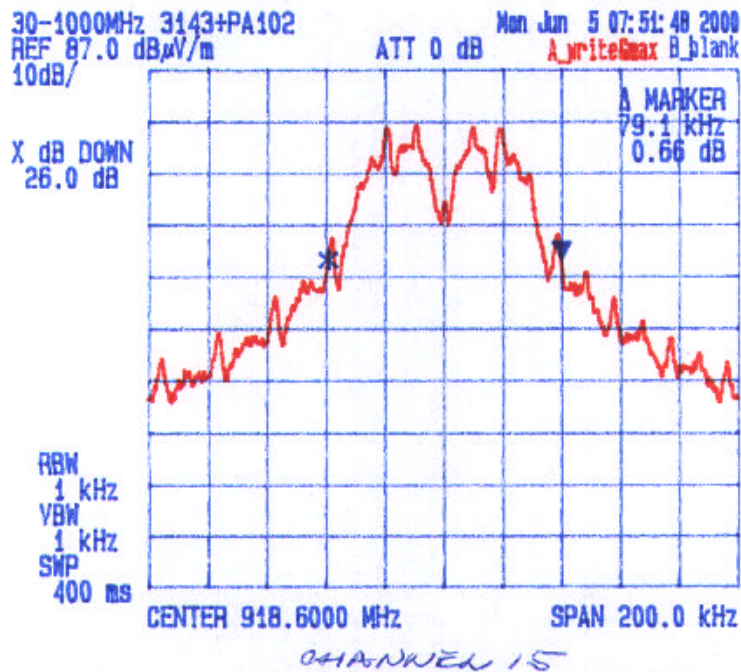
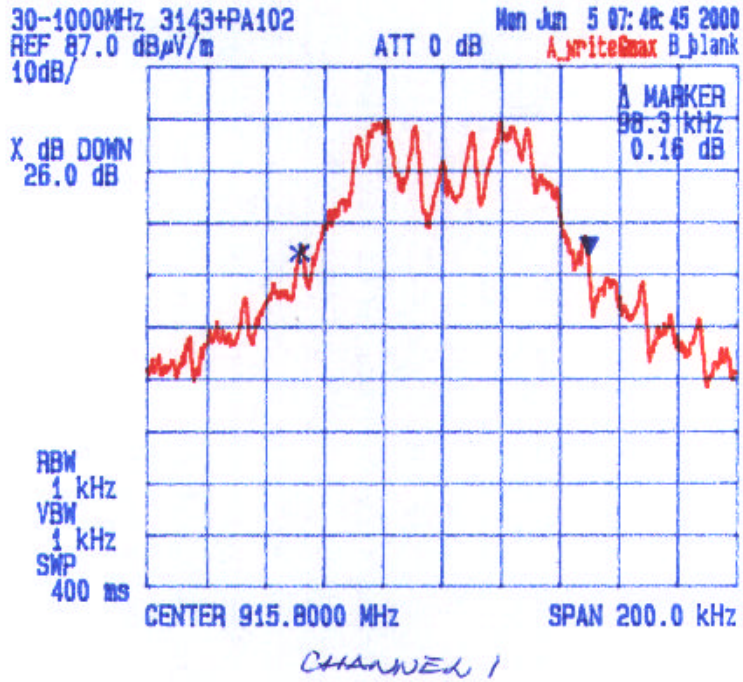
Date: June 5, 2000
Tested by: Hung Trinh

IVI CHECKMATE INC.
Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
Channel: _____, Tx frequency: _____ MHz, Band: _____
26 dB Bandwidth
BASE UNIT



Date: June 5, 2000
Tested by: Hung Trinh

IVI CHECKMATE INC.
Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
Channel: _____, Tx frequency: _____ MHz, Band: H
26 dB Bandwidth
BASE UNIT





UltraTech
Engineering Labs Inc.

POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS

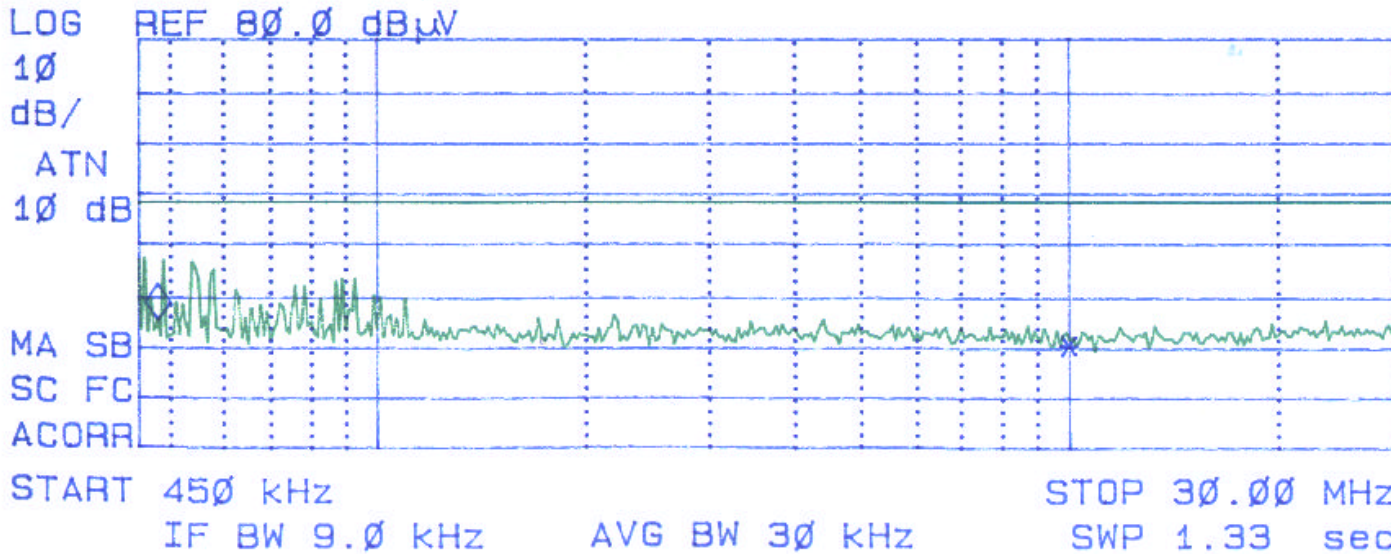
APPLICANT: EVE CHECKMATE
PRODUCT: EMTE 770
MODEL: BASE

EMI Detector: Peak Quasi Peak Average Temp.: 22 °C, Humidity: 43 %
Line Tested: 1, Input Voltage: 120VAC Tested by: HT Test Date: 31MAY00
Comments: FCC 15 B

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPΔ1
1	0.479150	38.3	29.9	13.9	-18.1

STOP
30.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 480 kHz
24.98 dBμV





UltraTech
Engineering Labs Inc.

POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS

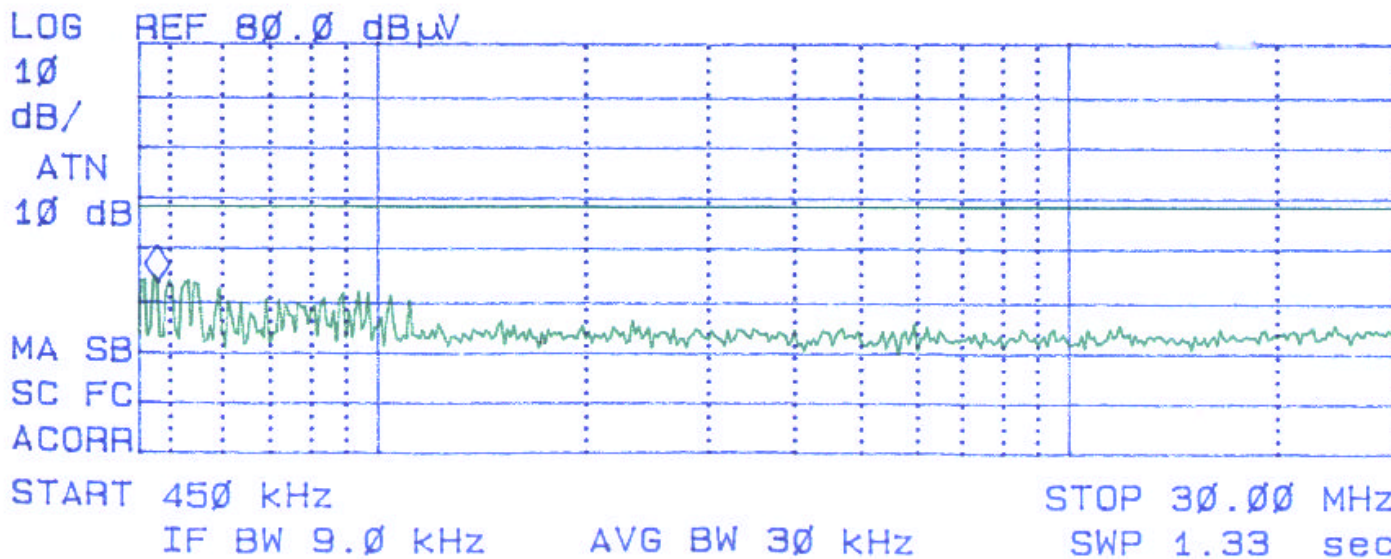
APPLICANT: IVZ CHECKMATE
PRODUCT: ELITE 770
MODEL: BASE

EMI Detector: Peak Quasi Peak Average Temp.: 22 °C, Humidity: 43 %
Line Tested: R, Input Voltage: 120VAC Tested by: HT Test Date: 5/14/00
Comments: FCC 15 B

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPΔ1
1	0.479150	35.5	28.4	14.2	-19.6

STOP
30.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 480 kHz
33.33 dBμV





UltraTech
Engineering Labs Inc.

IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
Channel: 1, Tx frequency: 911.4 MHz, Band: 3

Date: June 5 2000
Tested by: Hung Trinh



18:19:31 JUN 05 2000 BASE UNIT

ULTRATECH LABS 3110 FT SITE #1947 Radiated Emissions Measurements @ 3 Meters

SPAN
40.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 911.60 MHz
91.00 dB μ V/m

Last Hrd
Key Menu

SPAN

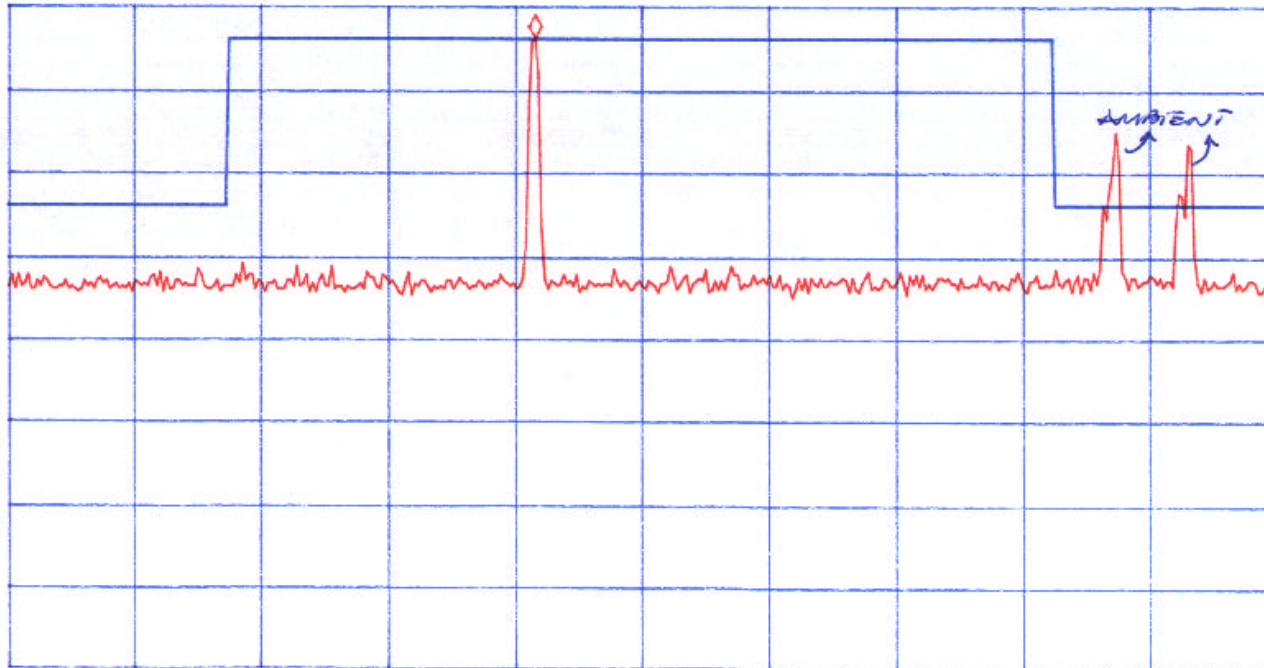
LOG REF 95.0 dB μ V/m

PREAMP ON

Aux Conn
Control

10
dB/
ATN
30 dB

MA SB
SC FC
ACORR



CENTER 915.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 40.00 MHz

SWP 37.5 msec

VERTICAL



UltraTech

Engineering Labs Inc.



18:13:52 JUN 05, 2000

ULTRATECH LABS ST. OPTO. DR. 1107

IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)

Channel: 1, Tx frequency: 911.4 MHz, Band: 3

BASE UNIT

Radiated Emissions Measurements @ 3 Meters

Date: June 5, 2000

Tested by: Hung Trinh

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 911.50 MHz

84.16 dB μ V/m

Last Hrd
Key Menu

SPAN

Aux Conn
Control

LOG REF 95.0 dB μ V/m

10

dB/

ATN

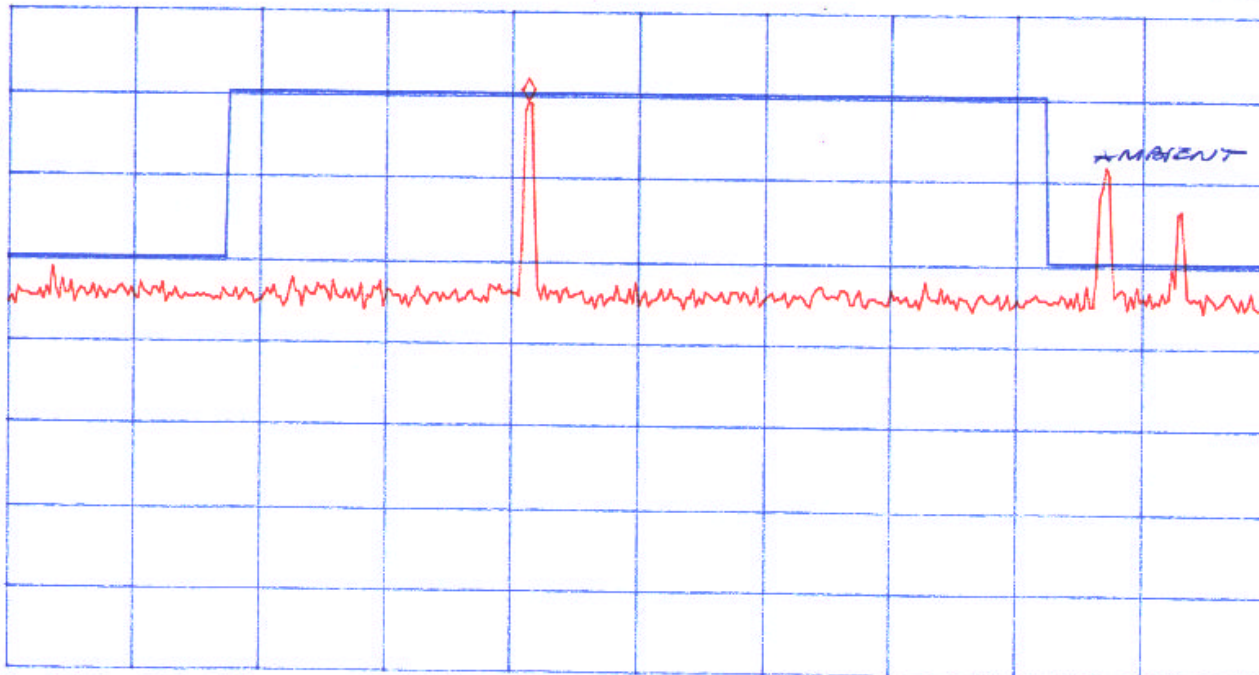
30 dB

PREAMP ON

VA SB

SC FC

ACORR



CENTER 915.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 40.00 MHz

SWP 37.5 msec

HORIZONTAL



UltraTech
Engineering Labs Inc.

IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
Channel: 15, Tx frequency: 914.2 MHz, Band: 3

Date: June 5, 2000
Tested by: Hung Trinh

BASE UNIT



18:24:17 JUN 05 2000

Radiated Emissions Measurements @ 3 Meters

ULTRATECH LABS 3M OFTS 3142 #1347

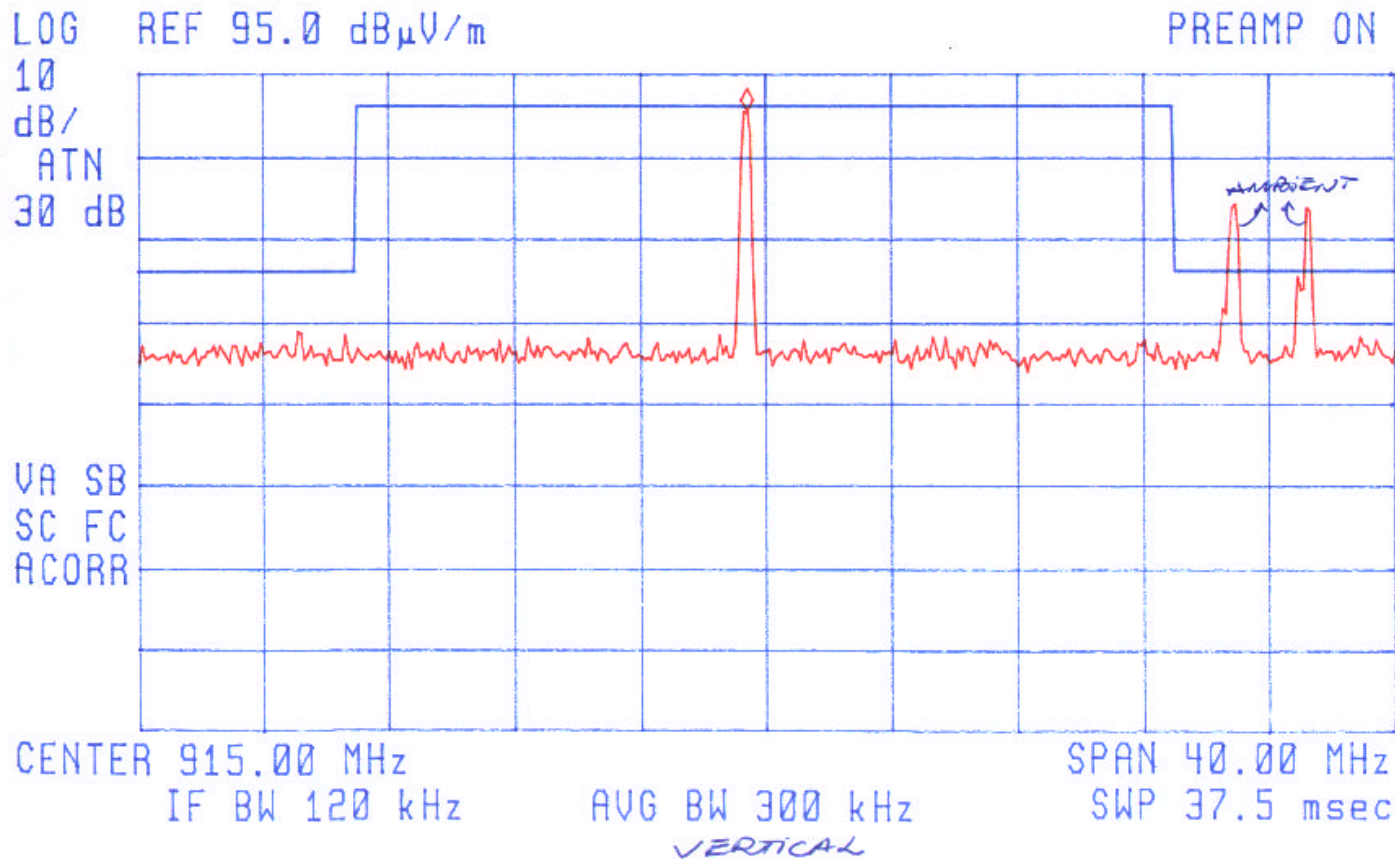
SPAN
40.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 914.40 MHz
90.58 dB μ V/m

Last Hrd
Key Menu

SPAN

Aux Conn
Control





IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
Channel: 15, Tx frequency: 914.2 MHz, Band: 3

Date: June 5, 2000
Tested by: Hung Trinh



18:29:13 JUN 05 2000 BASE UNIT

ULTRATECH LABS SHORTRANGE SITE #1317
Radiated Emissions Measurements @ 3 Meters

SPAN
40.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 914.40 MHz
87.85 dB μ V/m

Last Hrd
Key Menu

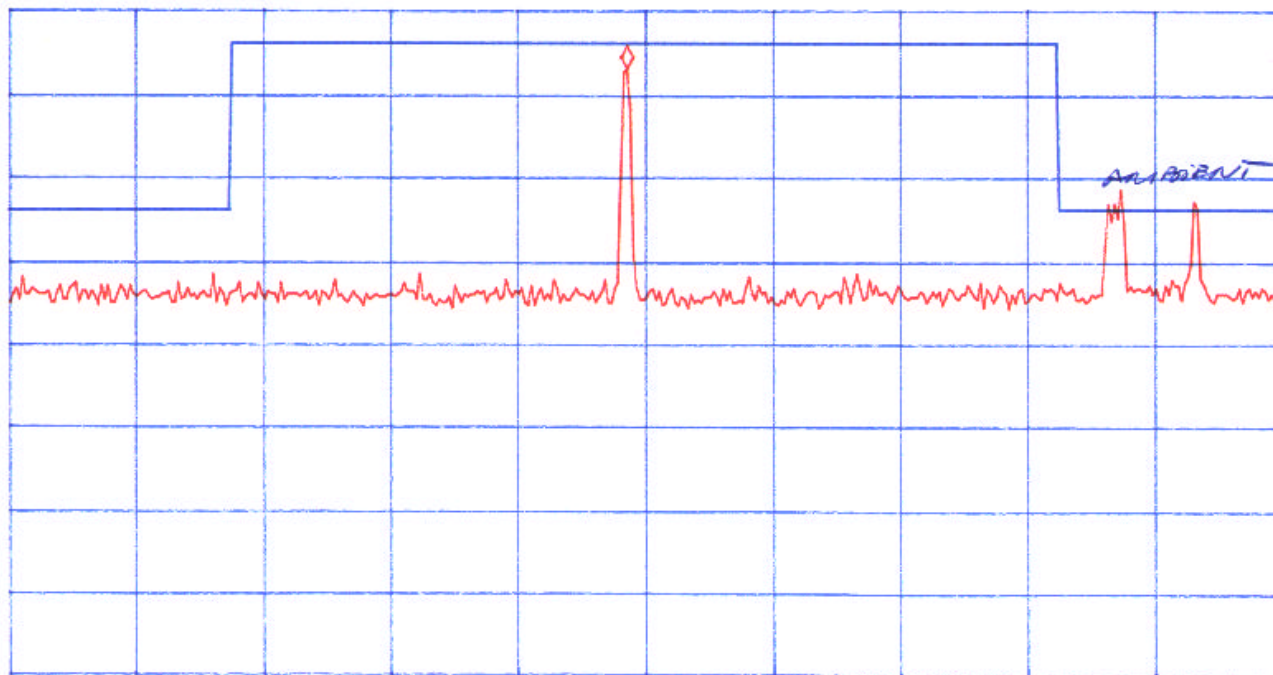
SPAN

Aux Conn
Control

LOG REF 95.0 dB μ V/m

PREAMP ON

10
dB/
ATN
30 dB



CENTER 915.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 40.00 MHz

SWP 37.5 msec

~~LAB 770 374~~



UltraTech
Engineering Labs Inc.

IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 – 928 MHz)
Channel: 1, Tx frequency: 915.8 MHz, Band: 4

BASE UNIT

Date: June 5, 2000
Tested by: Hung Trinh

17:52:16 JUN 05 2000 Radiated Emissions Measurements @ 3 Meters
ULTRATECH LABS 3M OFTS 3142 #1347

SPAN
40.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 915.90 MHz
90.53 dB μ V/m

Last Hrd
Key Menu

SPAN

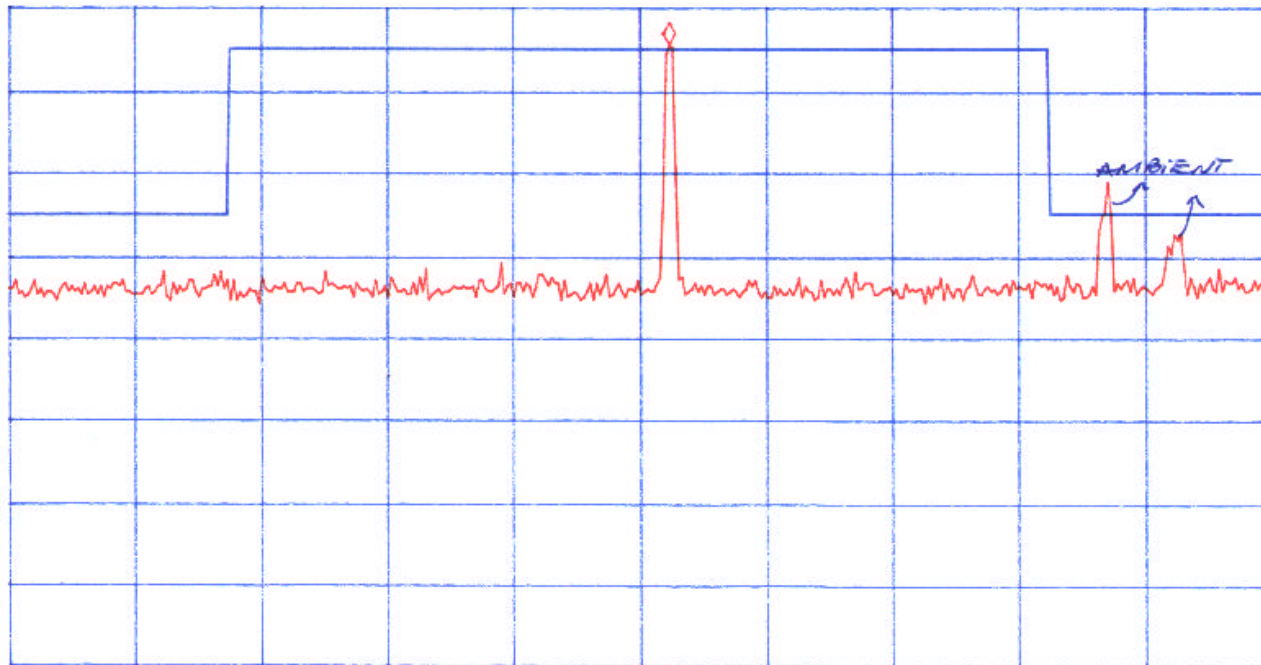
LOG REF 95.0 dB μ V/m

PREAMP ON

Aux Conn
Control

10
dB/
ATN
30 dB

VA SB
SC FC
ACORR



CENTER 915.00 MHz

IF BW 120 kHz

AVG BW 300 kHz
VERTICAL

SPAN 40.00 MHz

SWP 37.5 msec



UltraTech

Engineering Labs Inc.

IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)

Channel: 1, Tx frequency: 915.8 MHz, Band: 4

Date: June 5, 2000

Tested by: Hung Trinh



17:57:41 JUN 05 2000

BASE UNIT

ULTRATECH LABS 31117 9112 #1517 Radiated Emissions Measurements @ 3 Meters

SPAN
40.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 915.90 MHz
86.55 dB μ V/m

Last Hrd
Key Menu

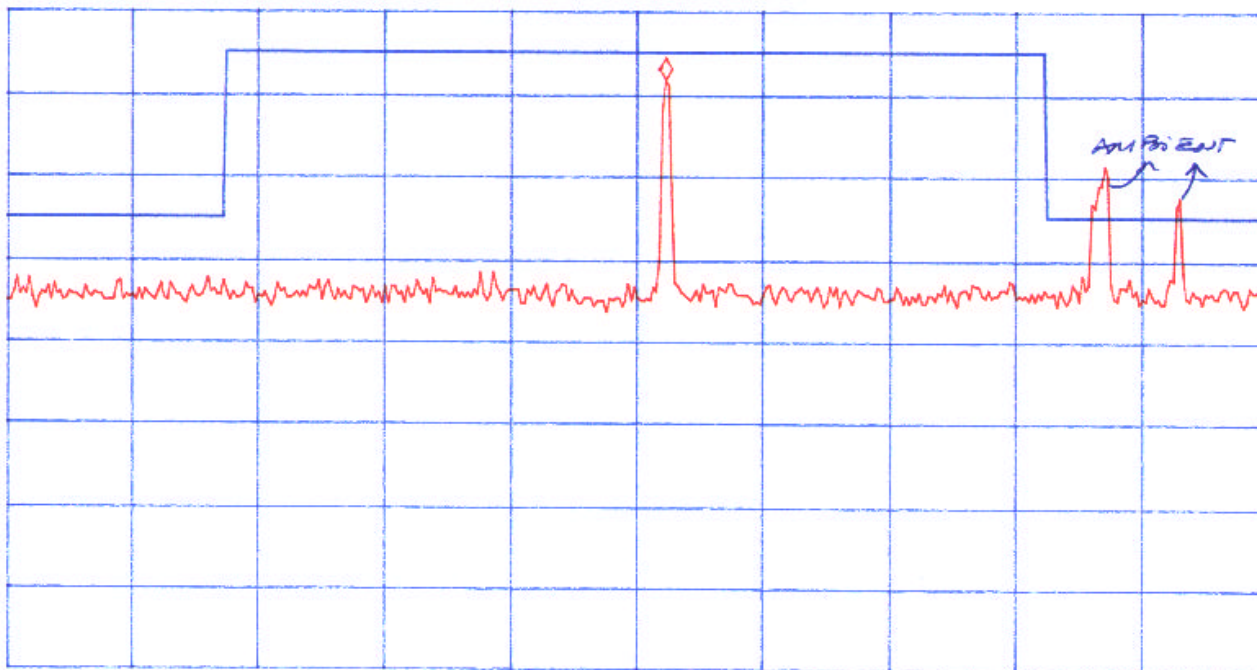
SPAN

LOG REF 95.0 dB μ V/m

PREAMP ON

Aux Conn
Control

10
dB/
ATN
30 dB



CENTER 915.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 40.00 MHz

SWP 37.5 msec

HORIZONTAL



IVI CHECKMATE INC.
 Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
 Channel: 15, Tx frequency: 918.6 MHz, Band: 4
BASE UNIT

Date: June 5 2000
 Tested by: Hung Trinh

17:46:48 JUN 05 2000

ULTRATECH LABS 3M OPTS 3142 #1347

Radiated Emissions Measurements @ 3 Meters

SPAN
 40.00 MHz

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 918.70 MHz
 91.64 dB μ V/m

Last Hrd
 Key Menu

SPAN

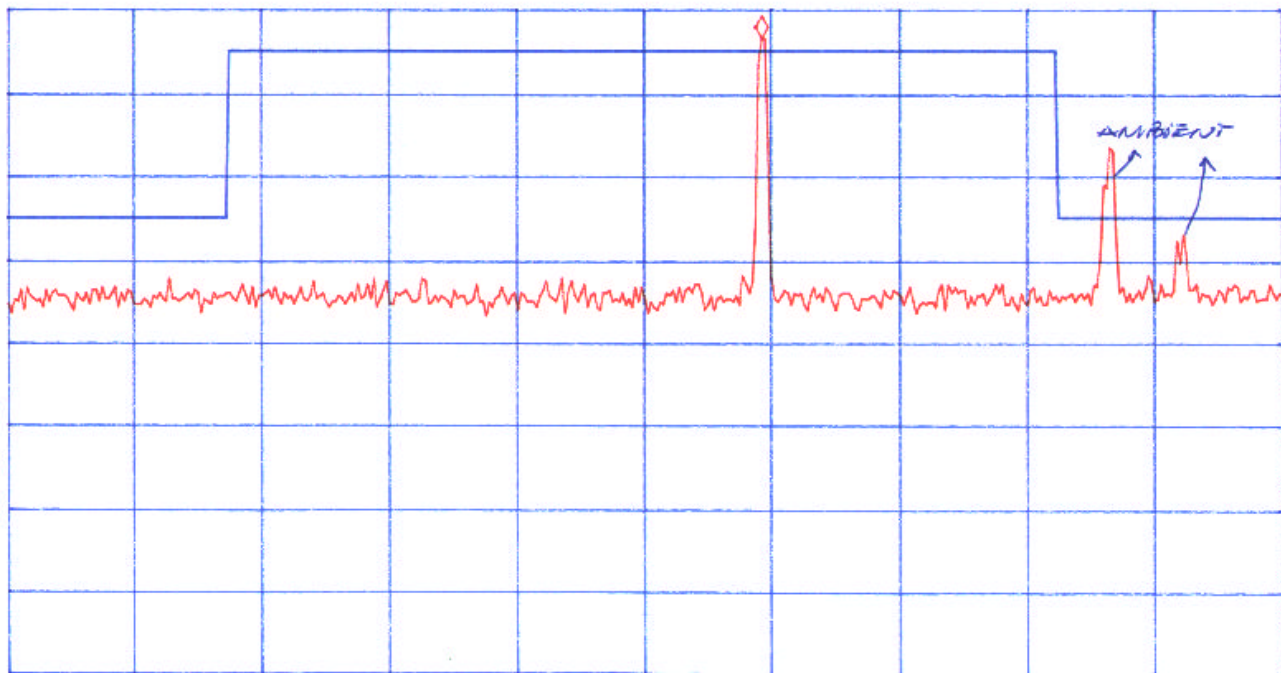
LOG REF 95.0 dB μ V/m

PREAMP ON

Aux Conn
 Control

10
 dB/
 ATN
 30 dB

VA SB
 SC FC
 ACORR



CENTER 915.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 40.00 MHz

SWP 37.5 msec

VERTICAL



UltraTech
Engineering Labs Inc.

IVI CHECKMATE INC.

Elite 770 Short Range Point of Sales Terminal, (902 - 928 MHz)
Channel: 15, Tx frequency: 918.6 MHz, Band: 4

Date: June 5, 2000
Tested by: Hung Trinh

17:39:44 JUN 05, 2000 BASE UNIT

ULTRATECH LABS' SH OFFICE SITE #1317 Radiated Emissions Measurements @ 3 Meters

SPAN
40.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 918.70 MHz
87.88 dB μ V/m

Last Hrd
Key Menu

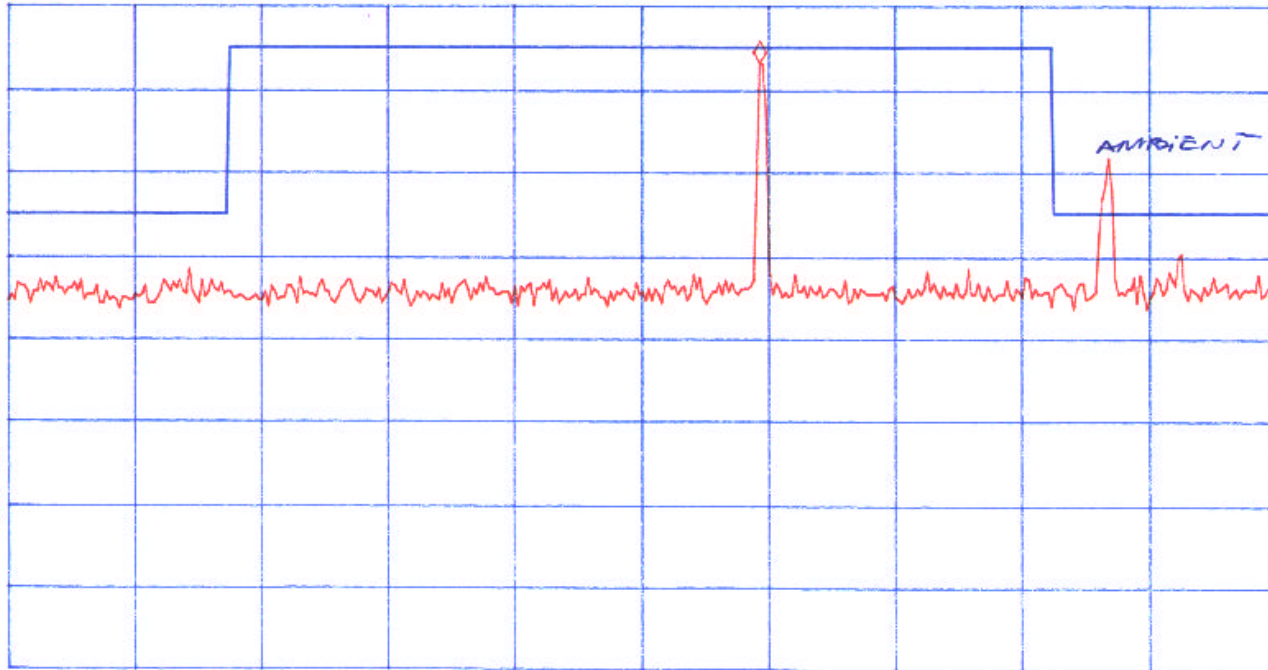
SPAN

Aux Conn
Control

LOG REF 95.0 dB μ V/m

PREAMP ON

10
dB/
ATN
30 dB



VA SB
SC FC
ACORR

CENTER 915.00 MHz SPAN 40.00 MHz
IF BW 120 kHz AUG BW 300 kHz SWP 37.5 msec

HORIZONTAL