



UltraTech
Engineering Labs Inc.

KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 800 - 824 MHz
20 dB BW OF THE 800-824 MHz BAND PASS GAIN.

Date: Jan. 10, 2000
Tested by: Hung Trinh

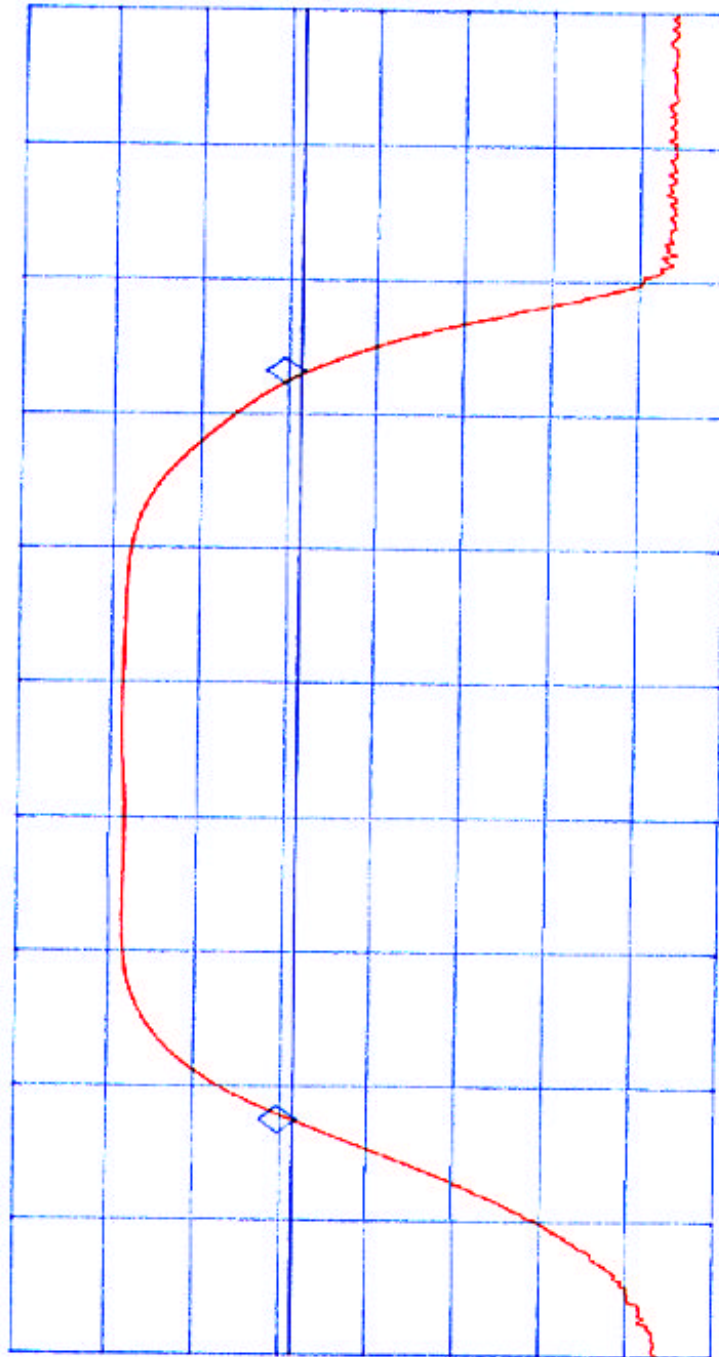
hp

MARKER Δ
-39.03 MHz
--.09 dB

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR -39.03 MHz
--.09 dB

REF OFFST 20.8 dB
REF 40.8 dBm

LOG
10
dB/
ATN
30 dB
DL
9.0
dBm
MA SB
SC FC
CORR



CENTER 815.00 MHz
IF BW 120 KHz

AVG BW 300 KHz
SPAN 70.00 MHz
SWP 20.0 msec

PLOT #7



UltraTech
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KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851-869 MHz
20 dB BW OF THE 851-869 MHz BAND PASS GAIN.

Date: Jan. 10, 2000
Tested by: Hung Trinh

hpo

MARKER Δ

-37.28 MHz

.56 dB

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR -37.28 MHz

.56 dB

REF OFFST 20.8 dB

REF 40.8 dBm

LOG

10

dB/

ATN

30 dB

DL

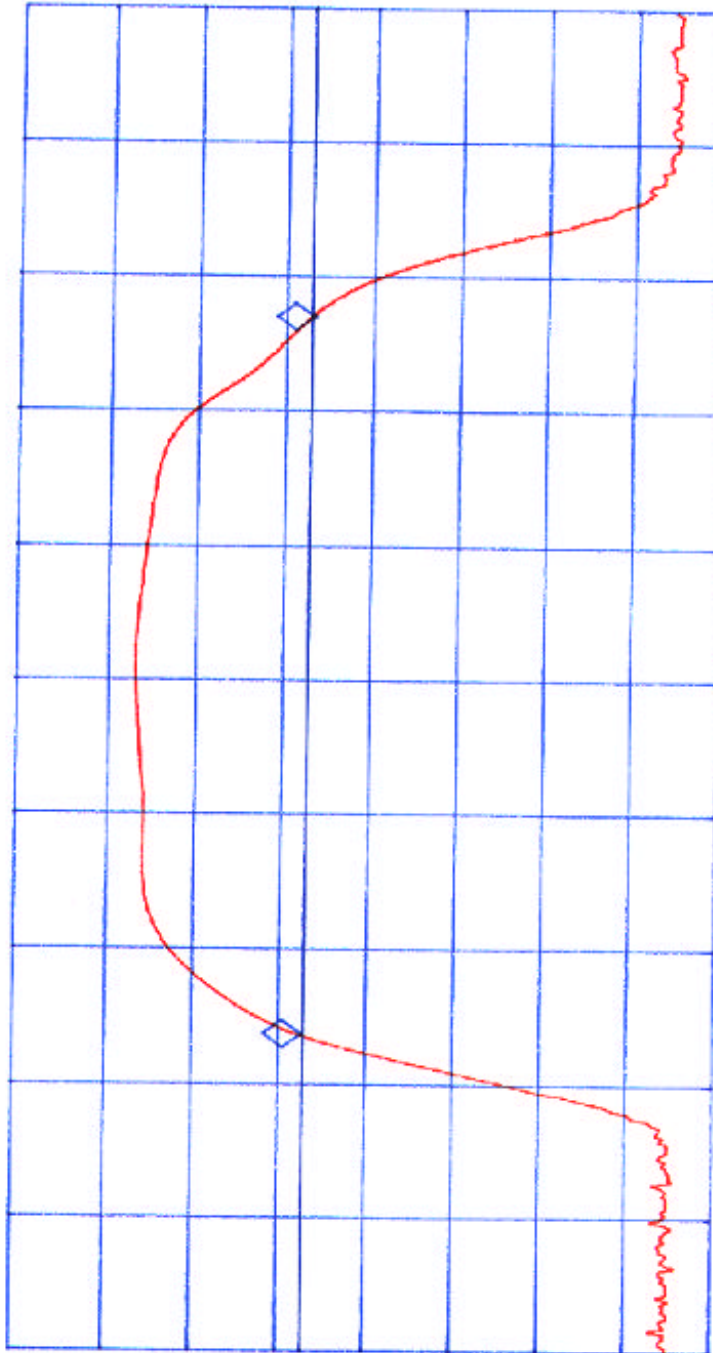
7.5

dBm

MA SB

SC FC

CORR



CENTER 860.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 70.00 MHz

SWP 20.0 msec

PLOT #8



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KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 806-884 MHz
806-884 MHz AMPLIFIER GAIN RESPONSE WITHIN Fo+ 2.5B

Date: Jan. 18, 2000
Tested by: Hung Trinh

CENTER
815.0 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 792.9 MHz
-34.68 dBm

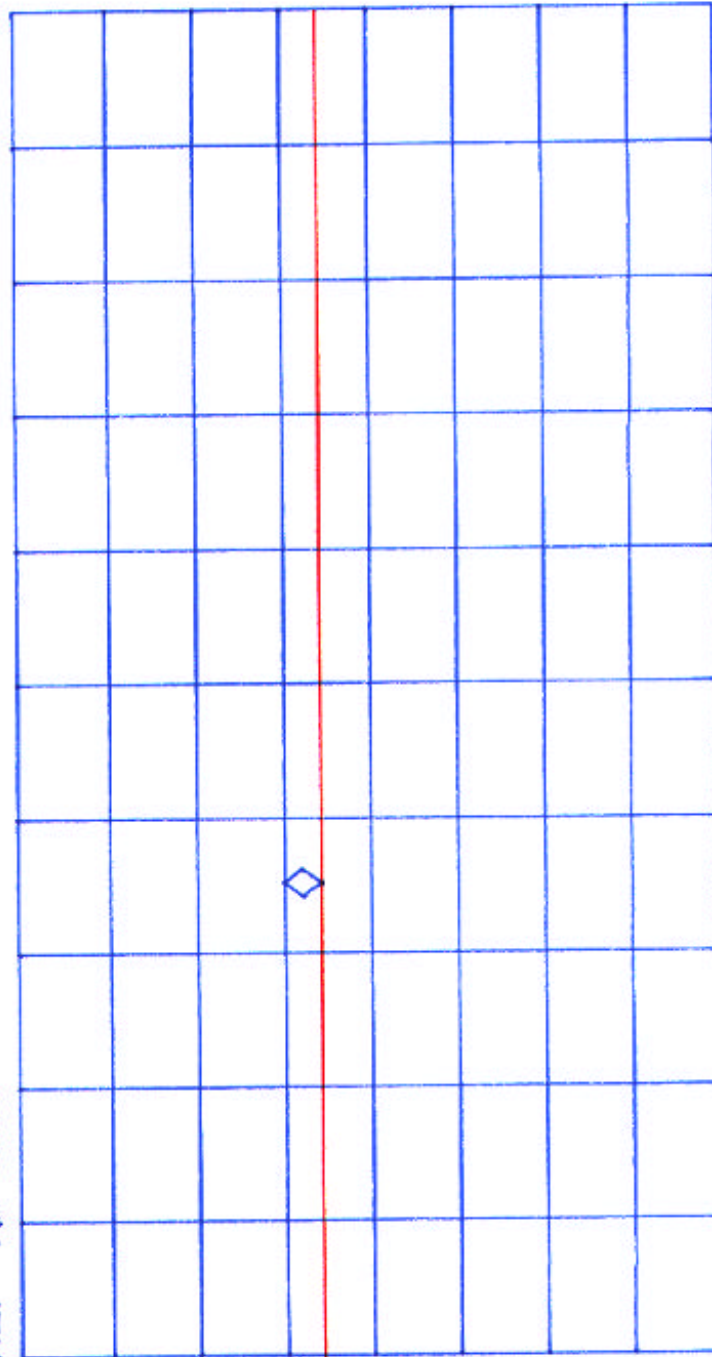
LOG REF .0 dBm

10
dB/

ATN

10 dB

MA SB
SC FC
CORR



CENTER 815.0 MHz
IF BW 120 KHz
SPAN 150.0 MHz
SWP 31.3 msec
AVG BW 300 KHz



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BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 806 - 824 MHz
RF TRACKING GAIN IN 500 - 824 MHz AT EUT'S RF OUTPUT PORT
RF INPUT: -34 dBm TRACKING FROM 806 - 824 MHz

Date: Jan. 18, 2000
Tested by: Hung Trinh

MARKER

806.08 MHz

24.93 dBm

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 806.08 MHz

24.93 dBm

REF OFFST 20.8 dB

REF 40.8 dBm

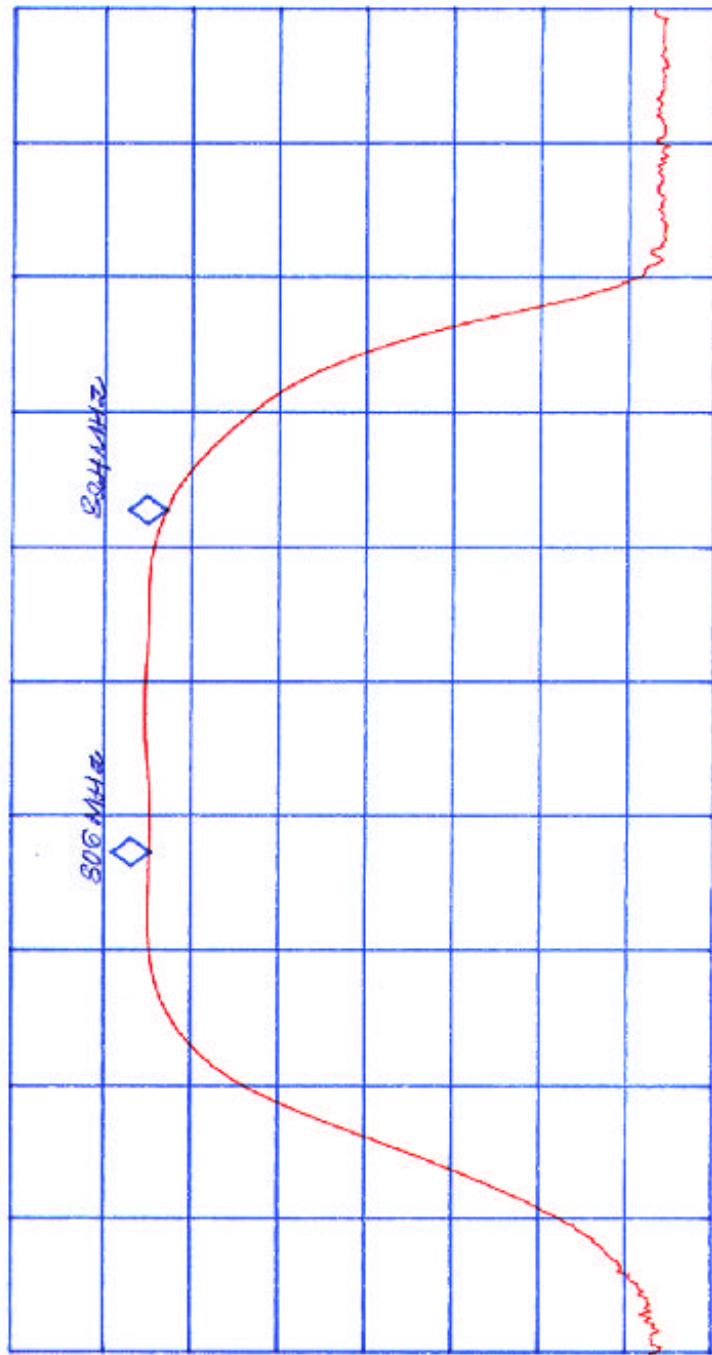
LOG

10

dB/

ATN

30 dB



CENTER 815.00 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 70.00 MHz

SWP 20.0 msec

PLOT #10



UltraTech
Engineering Labs Inc.

KAVAL TELECOM INC.

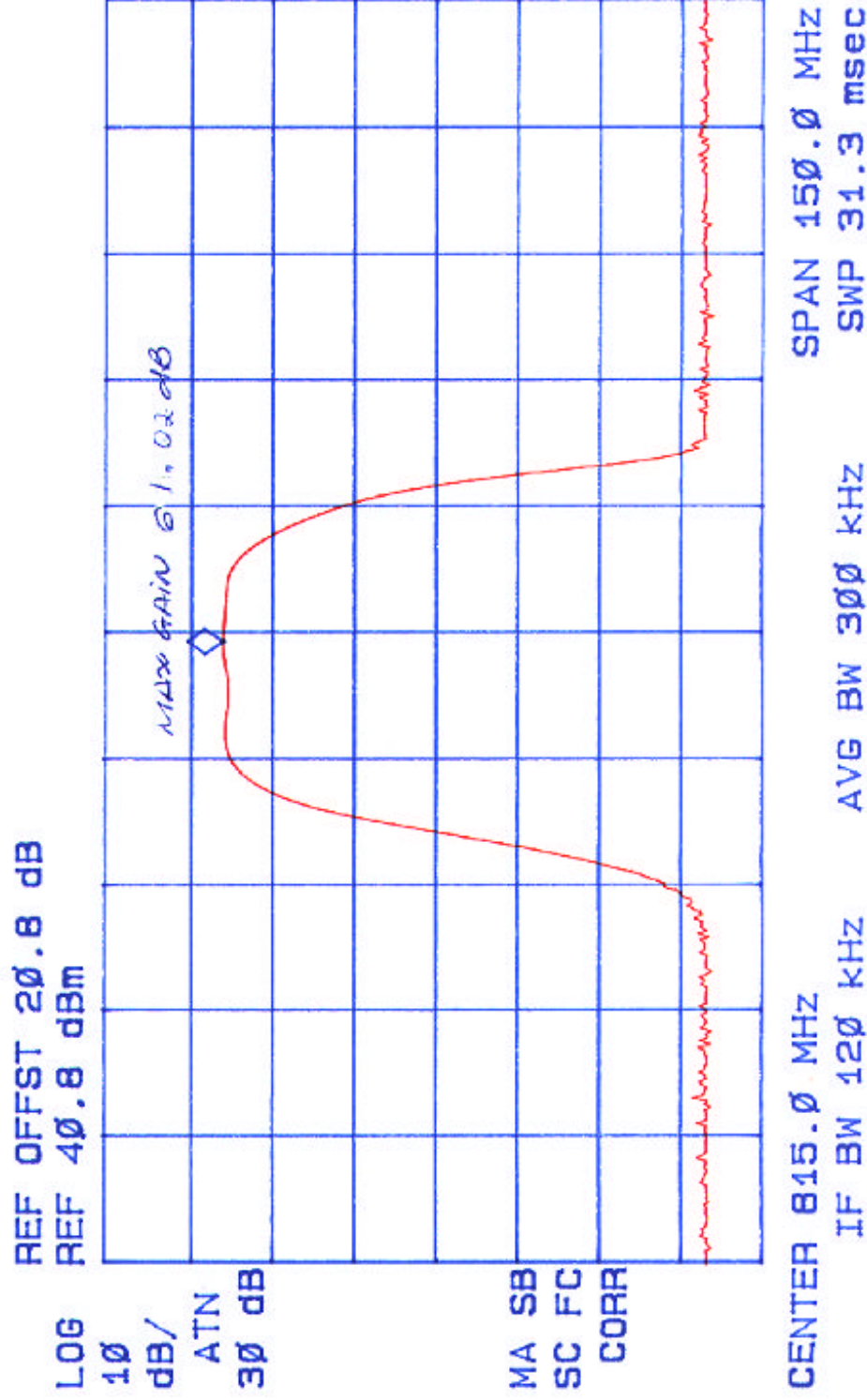
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 806 - 884 MHz
806 - 884 MHz AMPLIFIER GAIN RESPONSE WITHIN $F_0 \pm 7.5B$

Date: Jan. 18, 2000
Tested by: Hung Trinh

hpo

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 813.9 MHz
26.34 dBm

PLOT #11





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KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851- 859 MHz
RF TRACKING SIGNAL IN 851-859 MHz AT EUT'S RF INPUT PORT

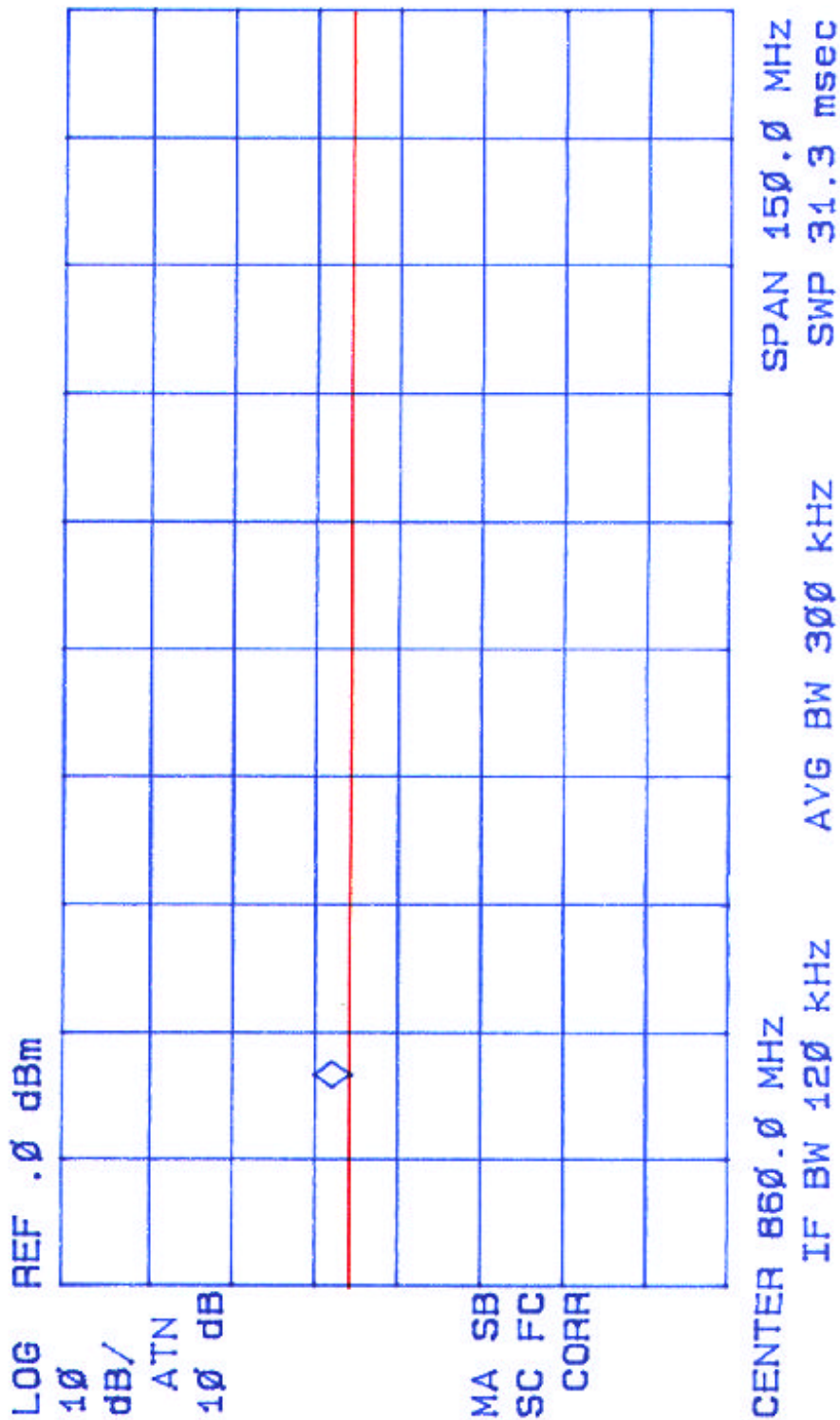
Date: Jan. 18, 2000
Tested by: Hung Trinh

hp

REF LEVEL
.0 dBm

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 810.1 MHz
-34.69 dBm

PLOT #12





h/p

KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851/- 809 MHz
RF TRACKING GAIN IN 851/- 809 MHz AT EUT'S RF OUTPUT PORT
RF INPUT: -34 dBm TRACKING FROM 851/- 809 MHz

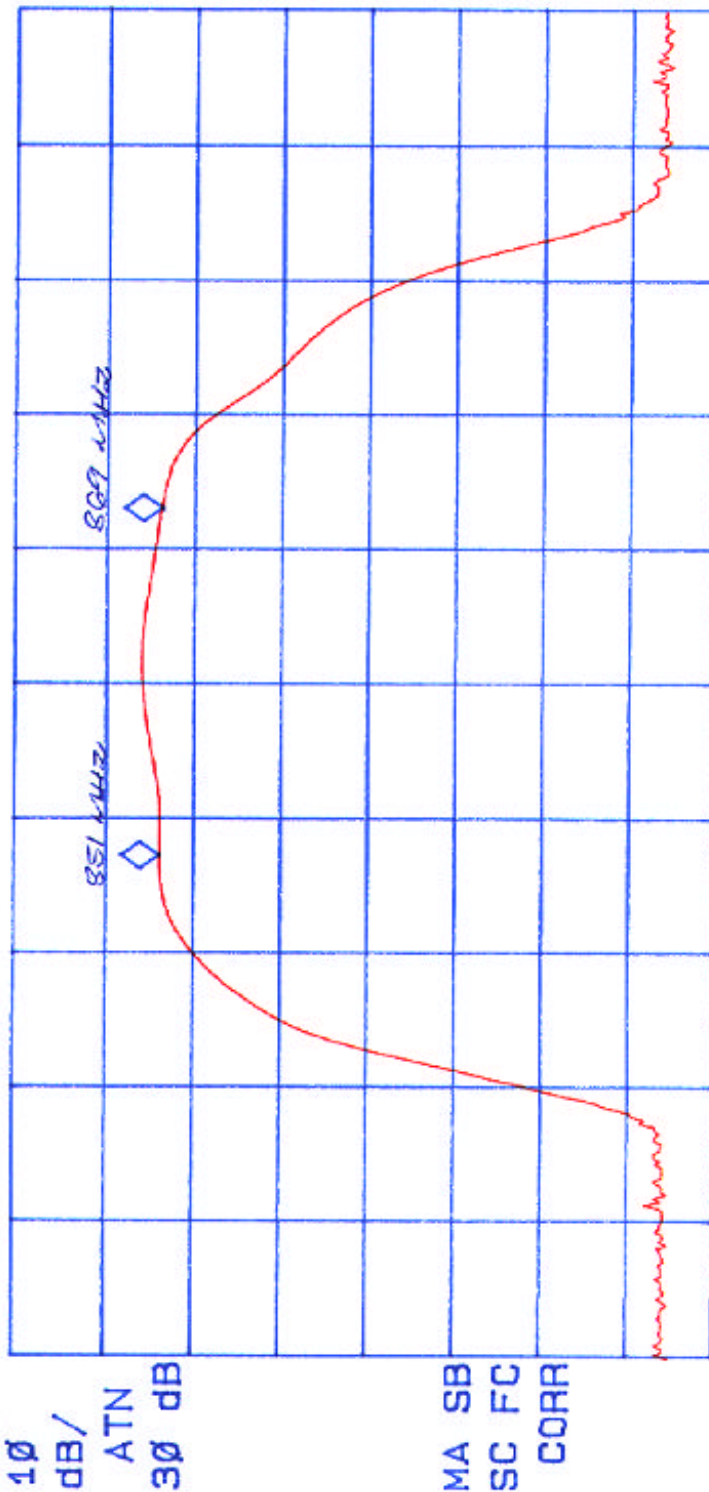
Date: Jan. 18, 2000
Tested by: Hung Trinh

MARKER
851.08 MHz
24.16 dBm

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 851.08 MHz
24.16 dBm

REF OFFST 20.8 dB
REF 40.8 dBm

LOG
10
dB/
ATN
30 dB



CENTER 860.00 MHz
IF BW 120 kHz
SPAN 70.00 MHz
SWP 20.0 msec
AVG BW 300 kHz



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BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851-869 MHz
851-869 MHz AMPLIFIER GAIN RESPONSE WITHIN ± 2.5 dB

Date: Jan. 18, 2000
Tested by: Hung Trinh

hpa

MARKER

860.8 MHz

26.02 dBm

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 860.8 MHz

26.02 dBm

REF OFFST 20.8 dB

REF 40.8 dBm

LOG

10

dB/

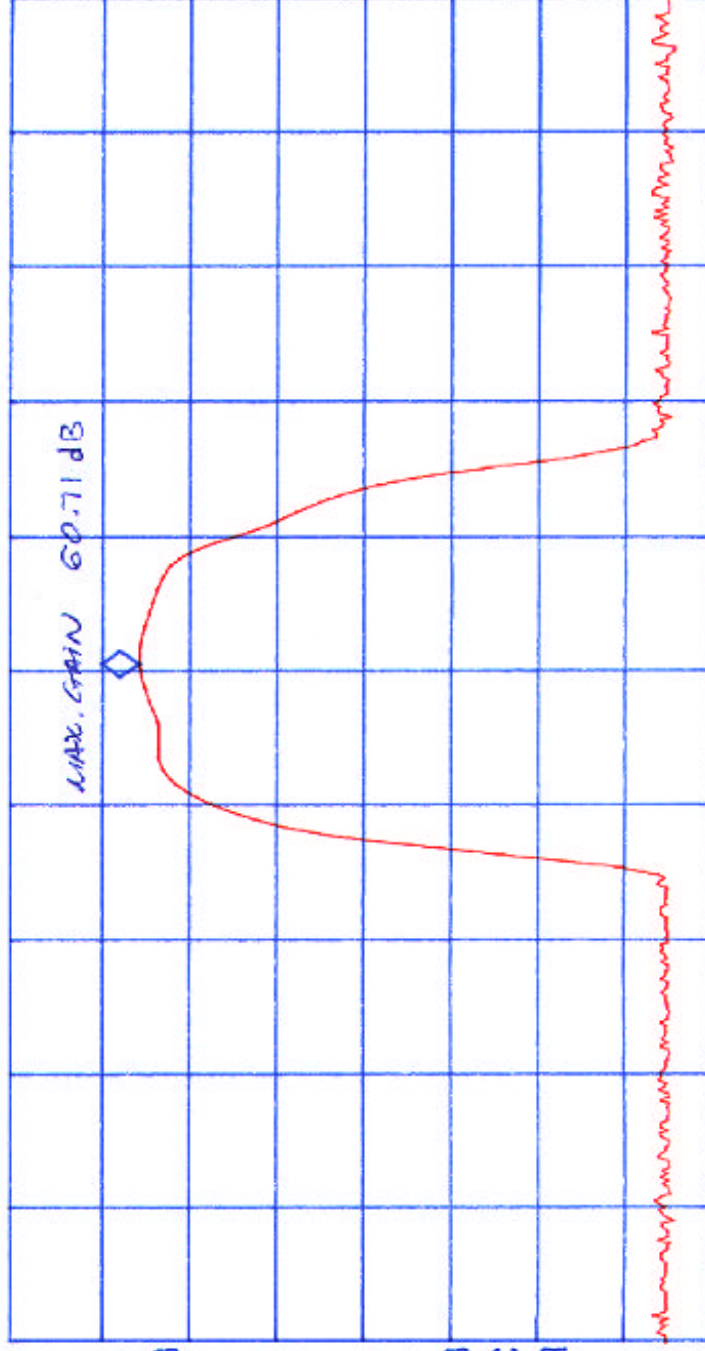
ATN

30 dB

MA SB

SC FC

CORR



CENTER 860.0 MHz

IF BW 120 kHz

AVG BW 300 kHz

SPAN 150.0 MHz

SWP 31.3 msec

PLOT #14