



UltraTech
Engineering Labs Inc.

hp

KAVAL TELECOM INC.

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

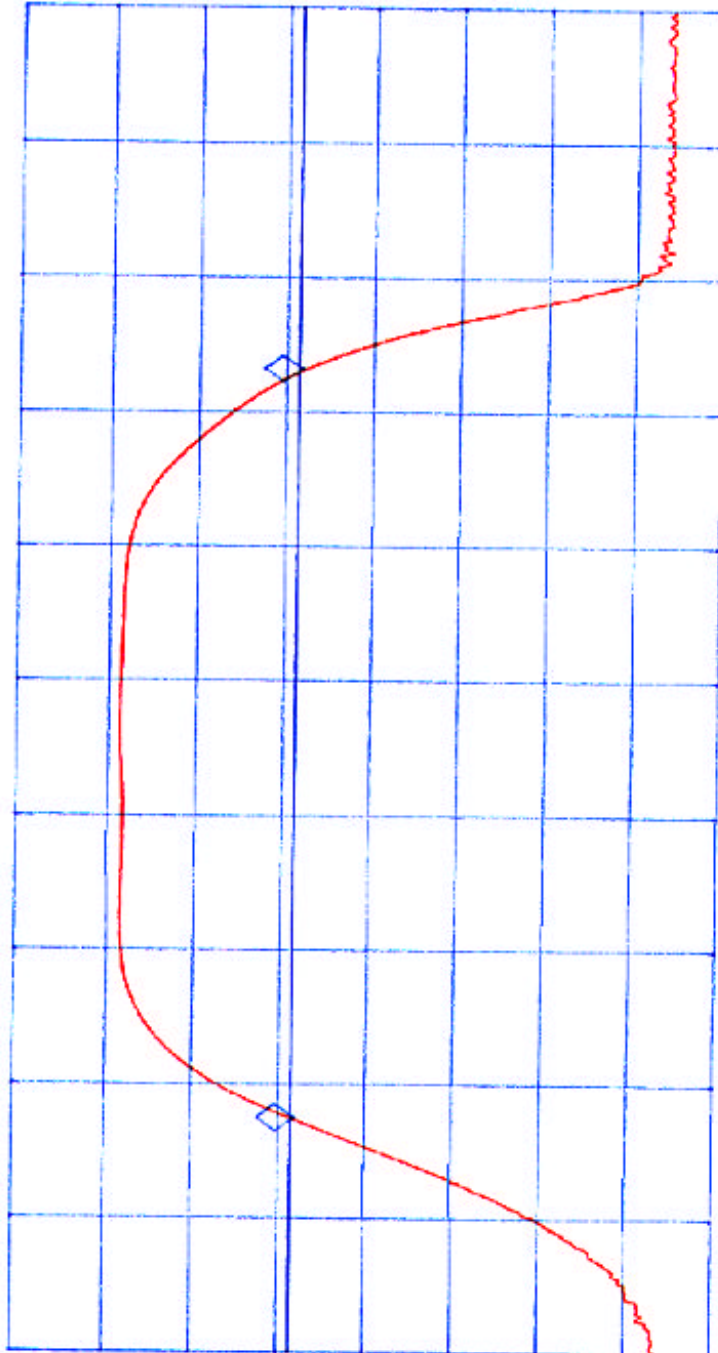
Date: Jan. 10, 2000
Tested by: Hung Trinh

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
Engineering Labs Inc.

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

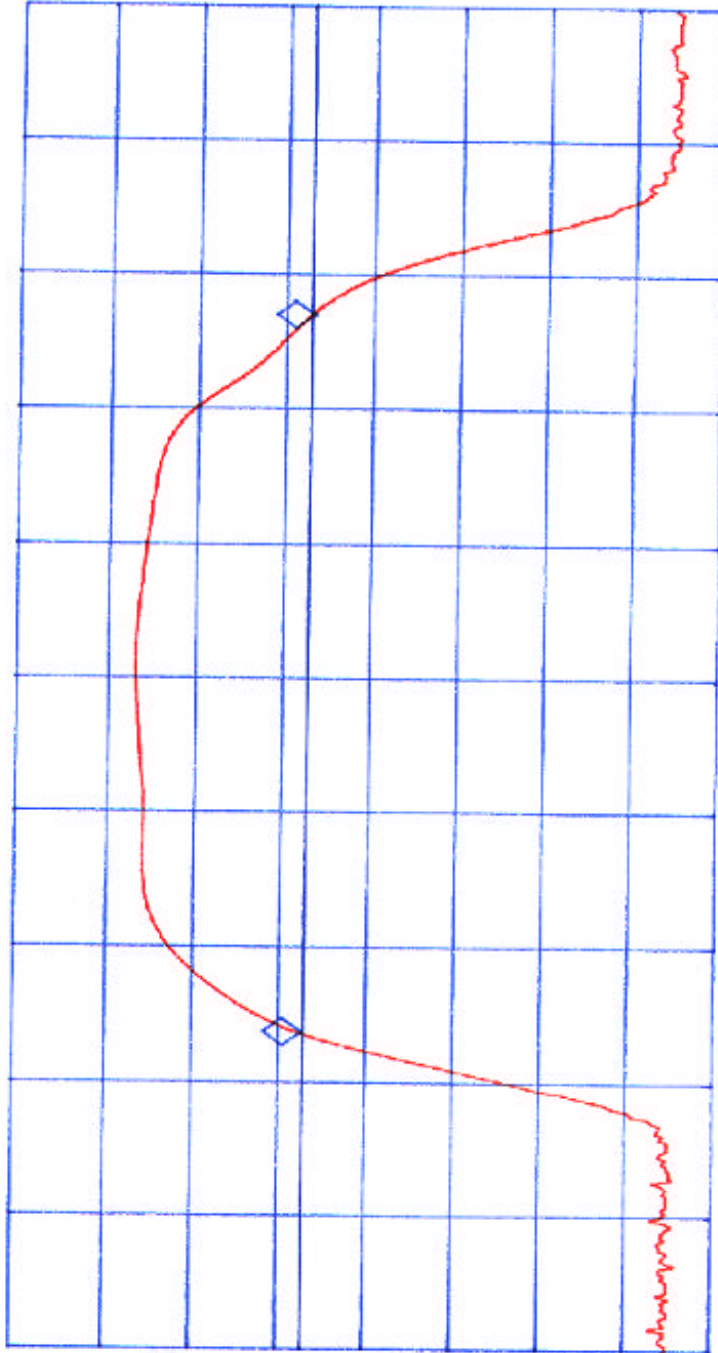
hpo

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



UltraTech
Engineering Labs Inc.

KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T-806-884 _____ MHz
806-884 MHz AMPLIFIER GAIN RESPONSE WITHIN F0+2.5B

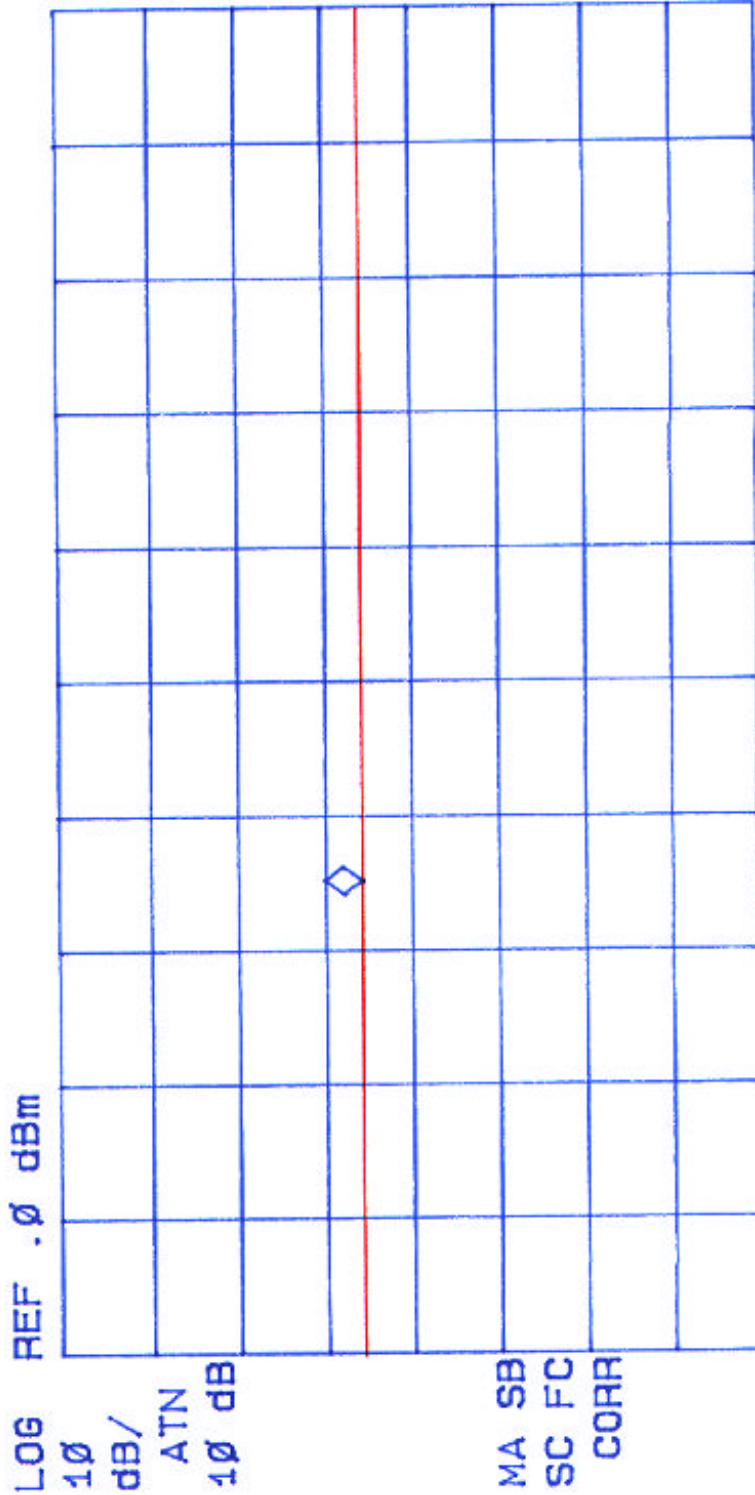
Date: Jan. 18, 2000
 Tested by: Hung Trinh

hp

CENTER
 815.0 MHz

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

PLOT #9



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



UltraTech
Engineering Labs Inc.

KAVAL TELECOM INC.

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

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

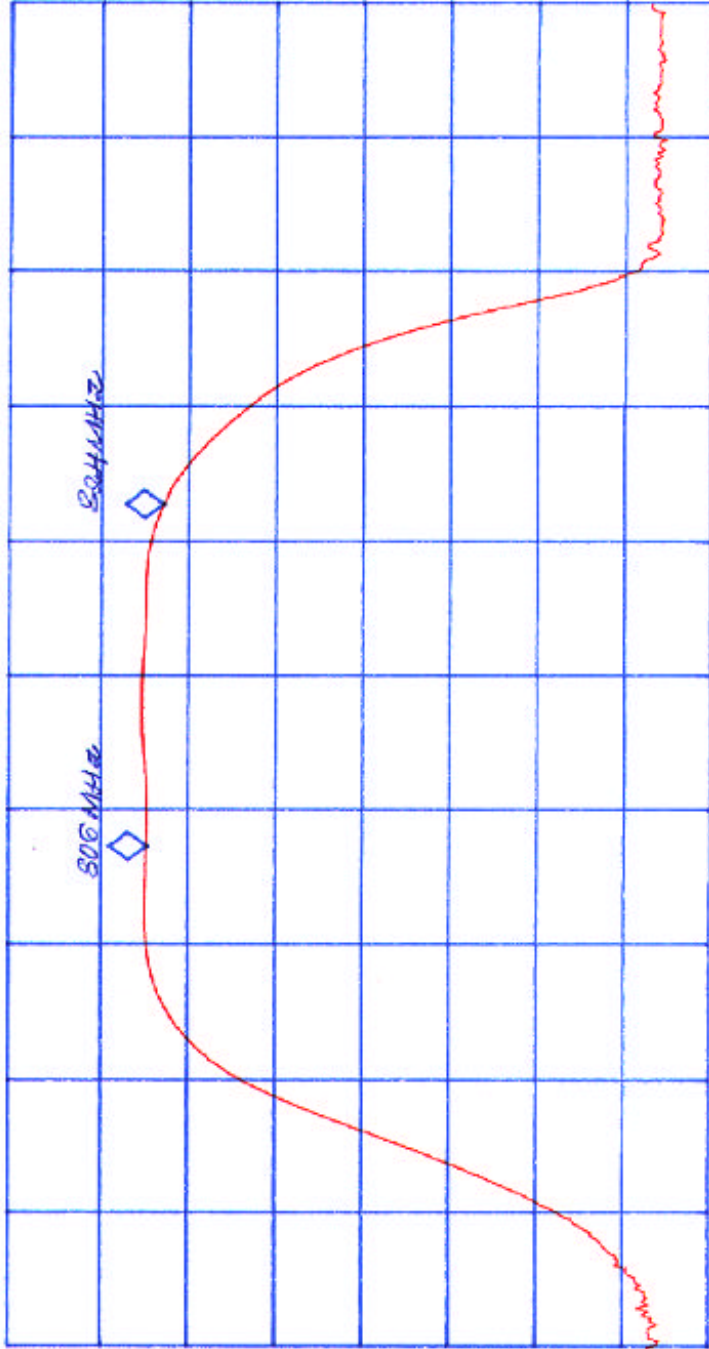
hp

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
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 #10



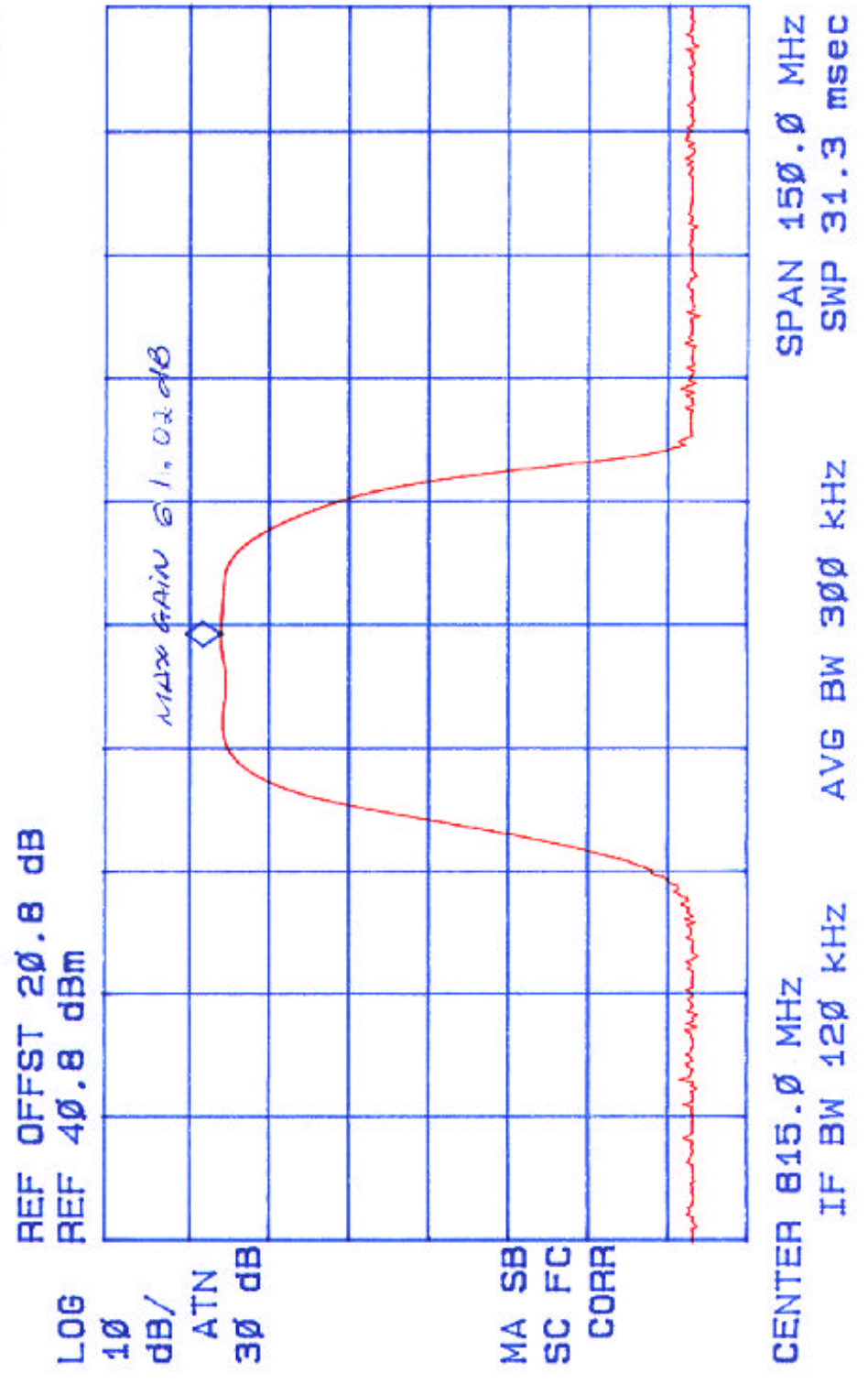
KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 806 - 884 MHz
 806 - 884 MHz AMPLIFIER GAIN RESPONSE WITHIN Fo± 2.5B

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

ltp

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

PLOT #11





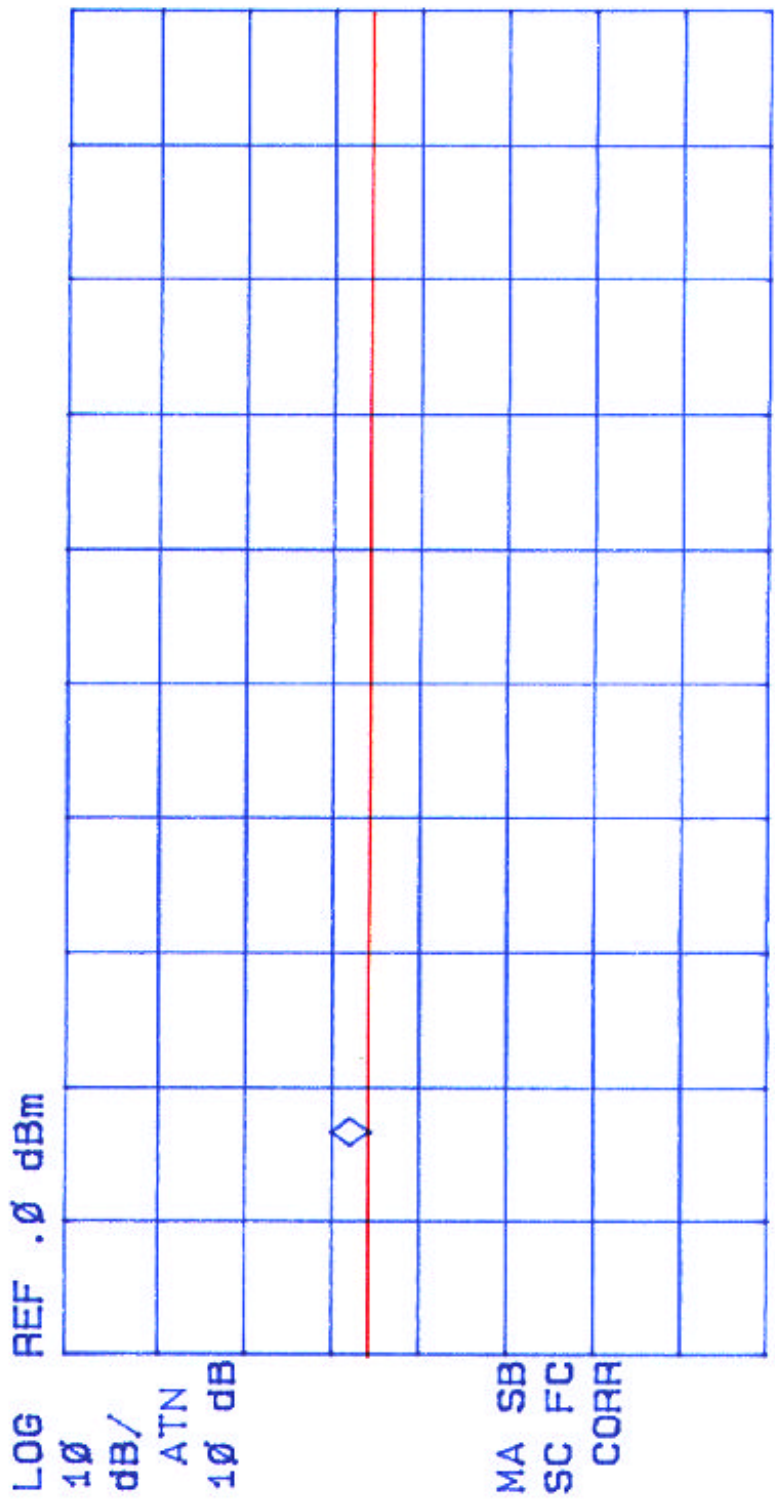
KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851- 869 MHz
 RF TRACKING SIGNAL IN 851-869 MHz AT EUT'S RF INPUT PORT

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



CENTER 860.0 MHz
 IF BW 120 kHz
 AVG BW 300 kHz
 SPAN 150.0 MHz
 SWP 31.3 msec

Date: Jan. 15, 2000
Tested by: Hung Trinh

KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851- - 869 MHz
RF TRACKING GAIN IN 851- 869 MHz AT EUT'S RF OUTPUT PORT
RF INPUT: -34 dBm TRACKING FROM 851- 869 MHz

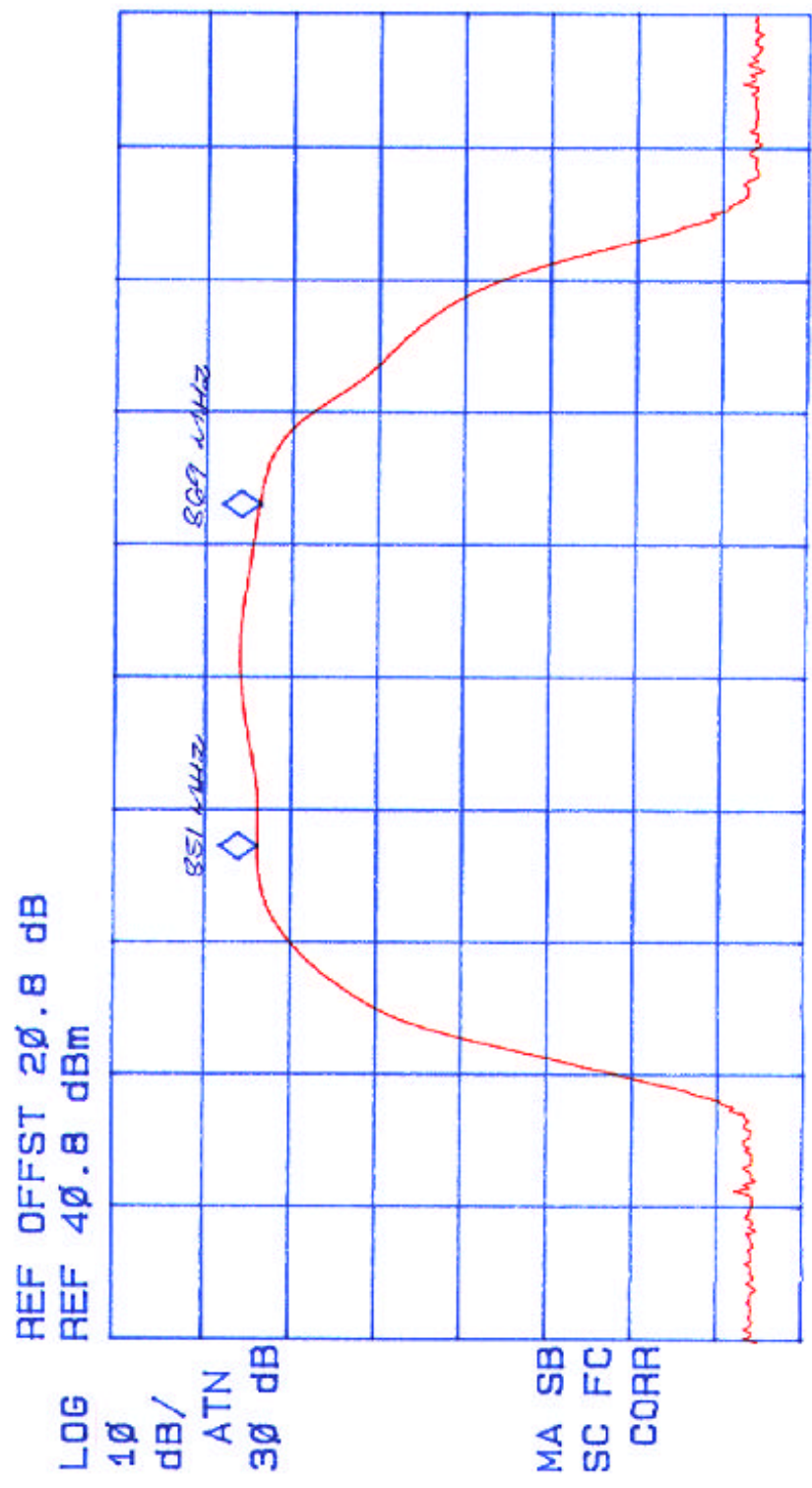


170

PLOT #13

MARKER
851.08 MHz
24.16 dBm

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



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

KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T-851-869 MHz
851-869 MHz AMPLIFIER GAIN RESPONSE WITHIN $\pm 2.5B$



hpa

MARKER
860.8 MHz
26.02 dBm

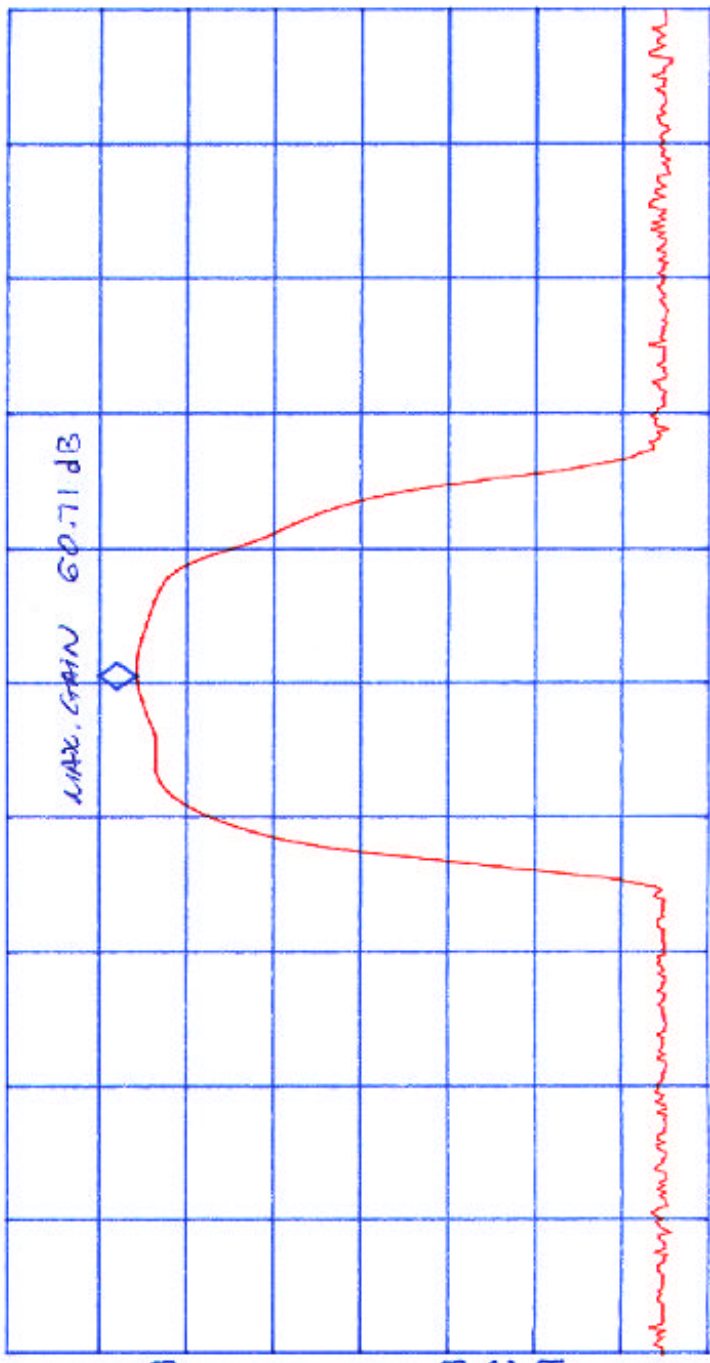
ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 860.8 MHz
26.02 dBm

REF OFFST 20.8 dB
REF 40.8 dBm

LOG 10
dB/
ATN
30 dB

MA SB
SC FC
CORR

PLOT #14



CENTER 860.0 MHz
IF BW 120 KHz
AVG BW 300 KHz
SPAN 150.0 MHz
SWP 31.3 msec