

Date: Jan. 02, 2000
Tested by: Hung Trinh

KAVAL TELECOM INC.
DI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T-800 - 800# MHz
Tx Freq.: _____ MHz, RF Output at antenna: _____ Watts
Modulation: RF In at level of _____ dBm @ 800 MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: 2.3 kHz



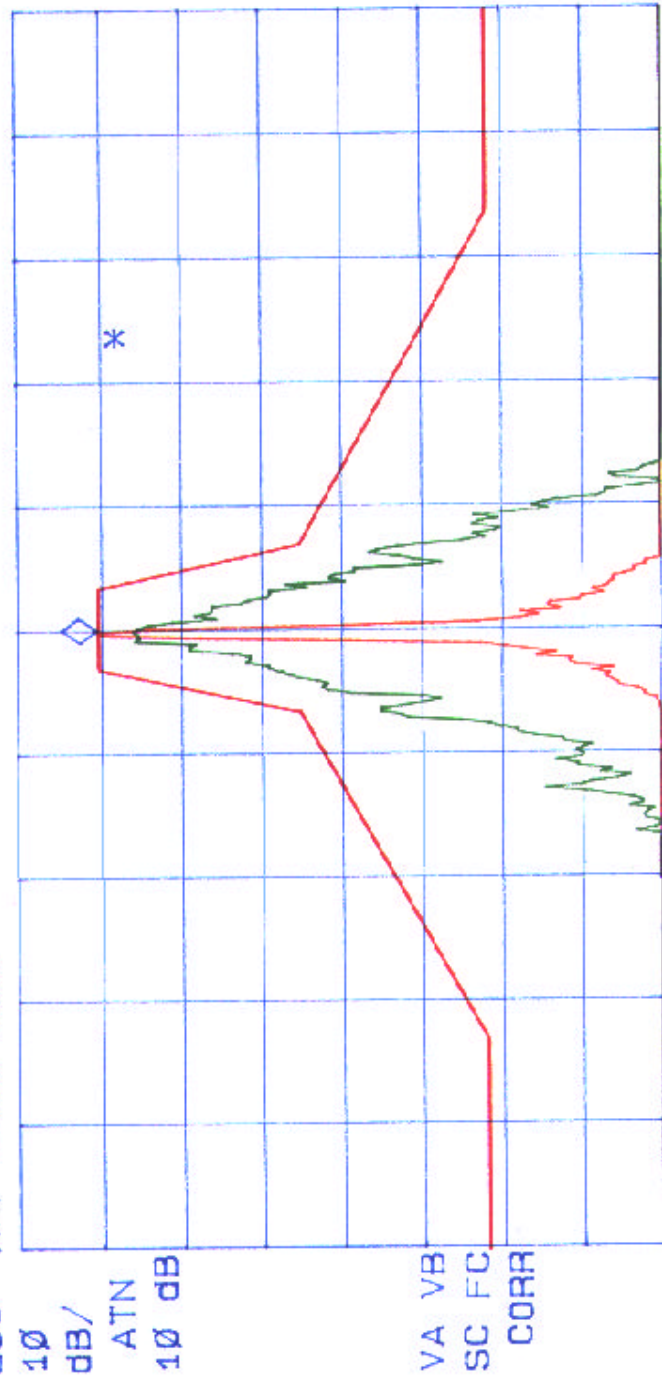
hp

REF LEVEL
-1.8 dBm

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKH 806.0015 MHz
-11.79 dBm
-20.53 dBm ATN
-32.32 dBm

RF IN SIGNAL FITTED IN MASK Q

LOG REF -1.8 dBm



CENTER 806.0015 MHz
#IF BW 300 Hz
AVG BW 300 Hz
SPAN 150.0 KHz
SWP 5.00 sec

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KAVAL TELECOM INC.

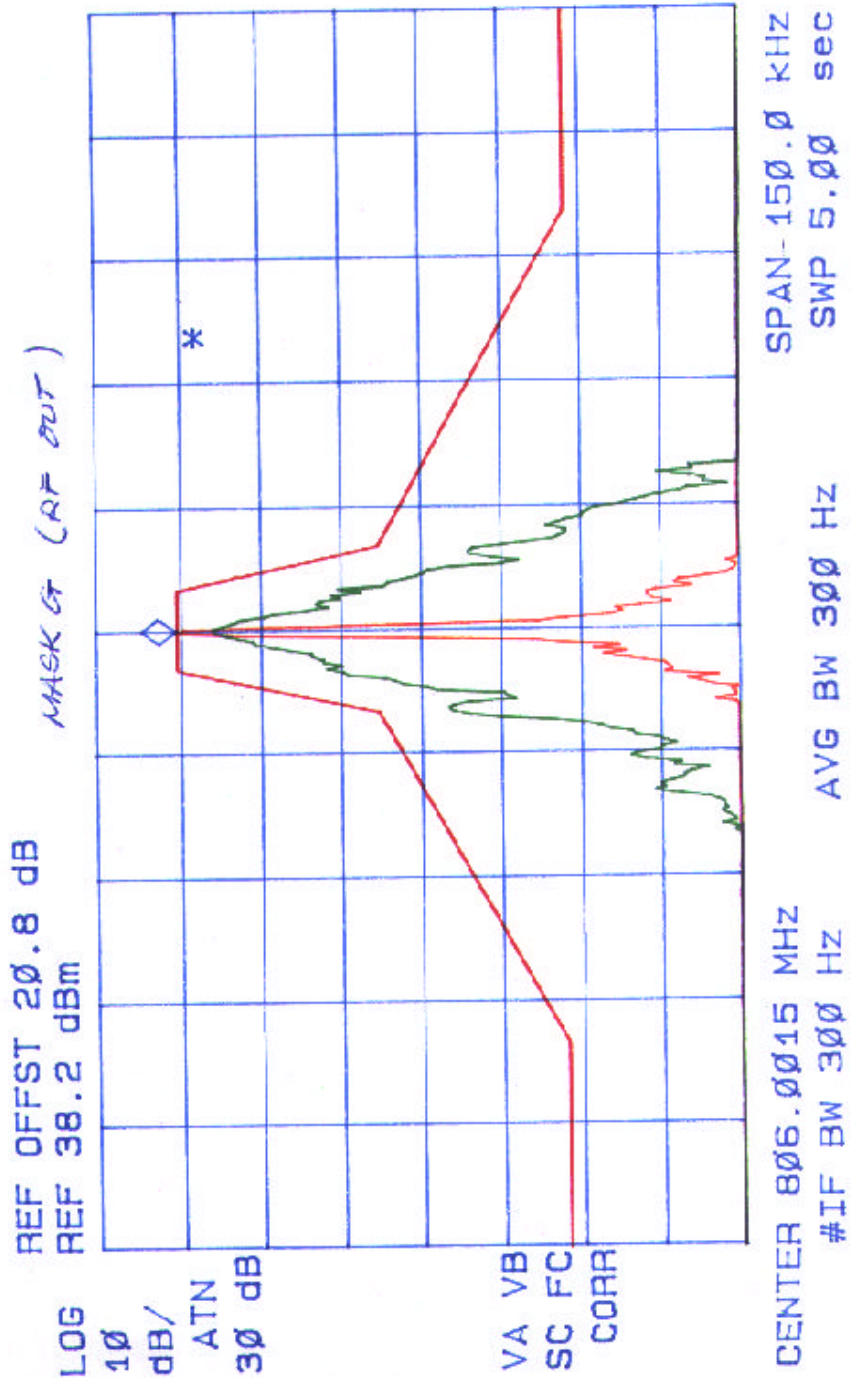
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 806 - 824 MHz
Tx Freq.: 806 MHz, RF Output at antenna: 0.87 Watts
Modulation: RF In at level of -34 dBm @ 806 MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: 2.3 kHz



hp

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 806.0015 MHz
28.23 dBm

PLOT #28





KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 806-884 MHz
 Tx Freq.: MHz, RF Output at antenna: Watts
 Modulation: RF In at level of dBm @ MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: kHz

Date: Jan. 02, 2000
 Tested by: Hung Trinh

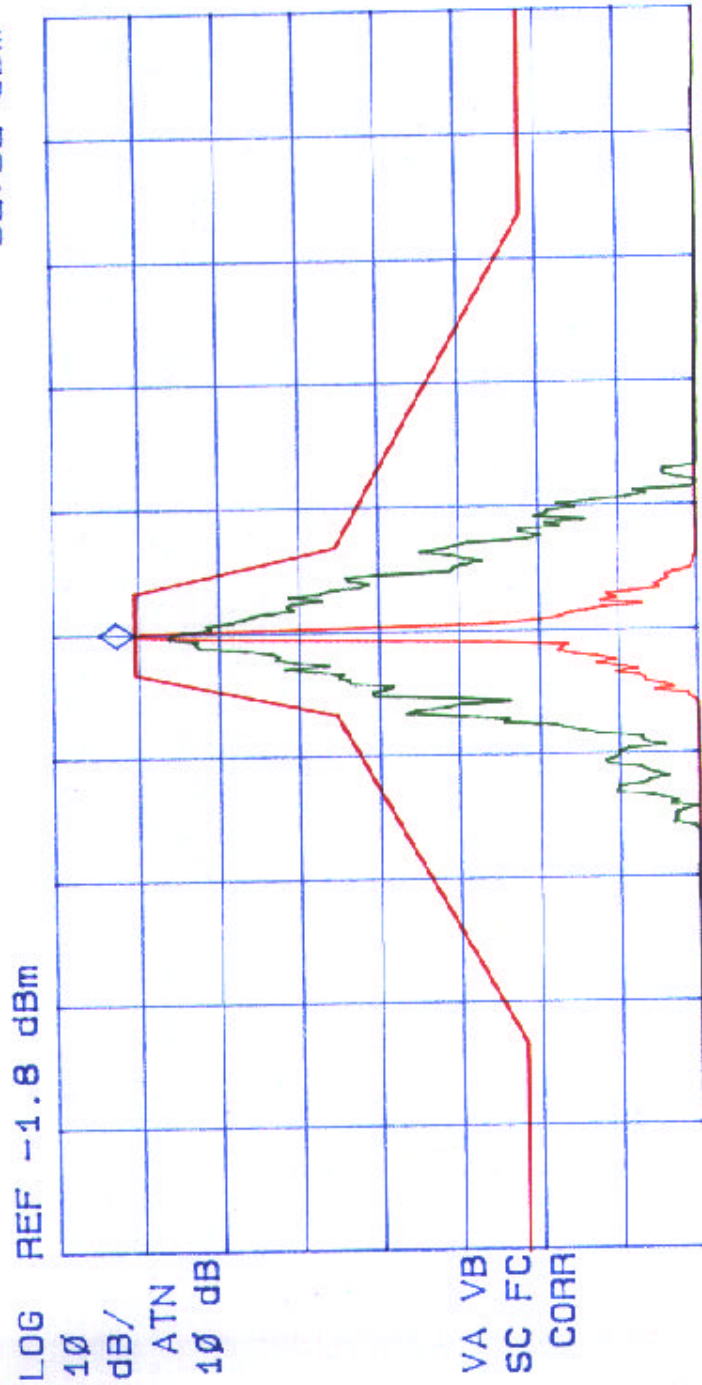
hp

REF LEVEL
 -1.8 dBm

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 815.0015 MHz
 -11.79 dBm
 -20.53 dBm ATN
 -32.32 dBm

RF IN SIGNAL FITTED IN MASK G

PLOT #29



CENTER 815.0015 MHz
 #IF BW 300 Hz
 AVG BW 300 Hz
 SPAN 150.0 KHZ
 SWP 5.00 sec

Date: Jan. 07, 2000
Tested by: Hung Trinh

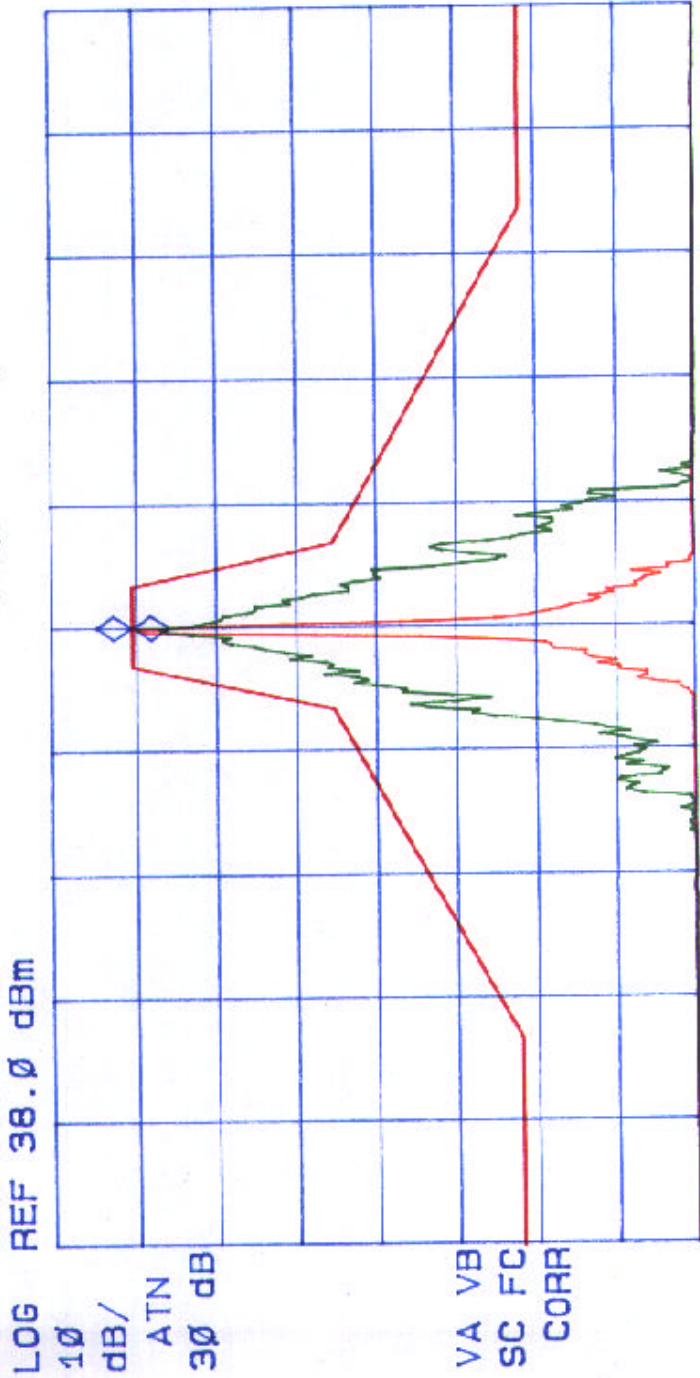
KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T-800G - 800W - 800 MHz
Tx Freq.: 815 MHz, RF Output at antenna: 1.0 Watts
Modulation: RF In at level of -34 dBm @ 815 MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: 3 kHz



hpo

REF LEVEL 38.0 dBm
ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 815.0015 MHz
27.99 dBm

REF OFFST 20.8 dB MASK G (RF OUT)



CENTER 815.0015 MHz SPAN 150.0 KHZ
#IF BW 300 HZ AVG BW 300 HZ SWP 5.00 sec

PLOT #30



KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T-800-824 MHz
Tx Freq: _____ MHz, RF Output at antenna: _____ Watts
Modulation: RF In at level of _____ dBm @ 824 MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: 2.3 kHz

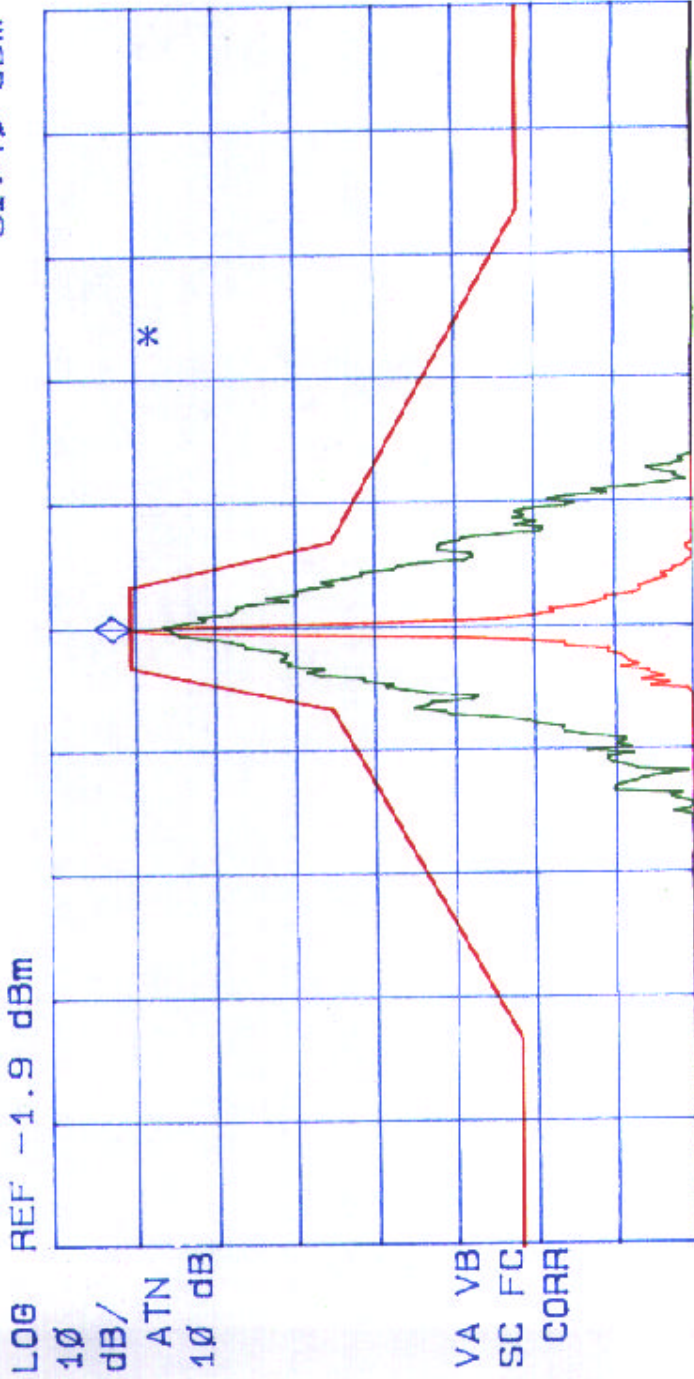
Date: Jan. 02, 2000
Tested by: Hung Trinh

hp

REF LEVEL
-1.9 dBm

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 824.0015 MHz
-11.87 dBm
-20.53 dBm ATN
-31.40 dBm

RF IN SIGNAL FITTED IN MASK G



PLOT #31

CENTER 824.0015 MHz
#IF BW 300 Hz
AVG BW 300 Hz
SPAN 150.0 KHZ
SWP 5.00 sec

Date: Jan. 22, 2000
Tested by: Hung Trinh

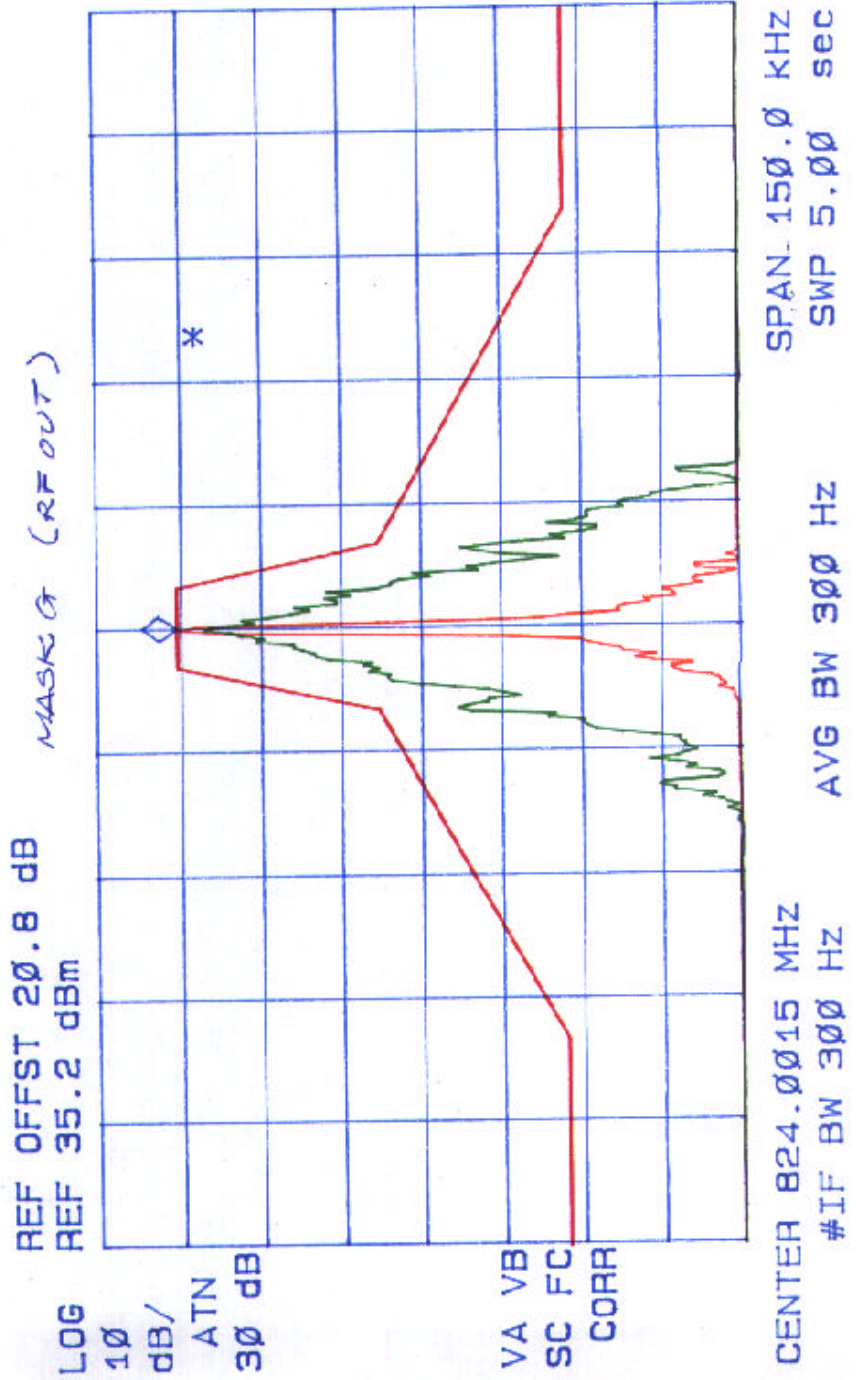
KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 800 - 824 MHz
Tx Freq.: 824 MHz, RF Output at antenna: 0.50 Watts
Modulation: RF In at level of -34 dBm @ 824 MHz, FM Modulated with an
external 9600 b/s random data, Freq. Dev.: 2.5 kHz



hp

REF LEVEL 35.2 dBm
ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 824.0015 MHz
25.18 dBm

PLOT #32



Date: Jan. 02 2000
 Tested by: Hung Trinh

KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851- 809 MHz
 Tx Freq.: MHz, RF Output at antenna: Watts
 Modulation: RF In at level of dBm @ 851 MHz, FM Modulated with an
 external 9600 b/s random data, Freq. Dev.: 6.5 kHz

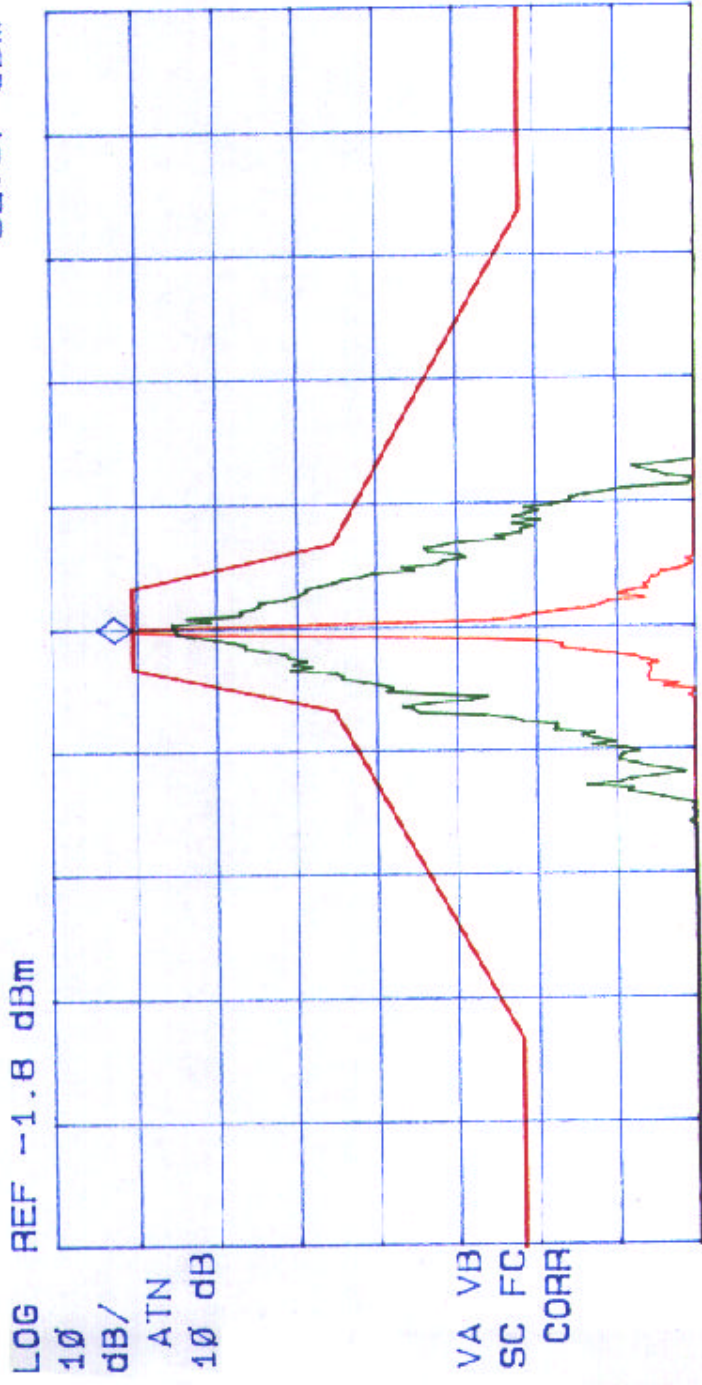


hp

CENTER
 851.0015 MHz

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 851.0015 MHz
 -11.84 dBm
 -20.53 dBm ATN
 32.37 dBm

RF IN SIGNAL FITTED IN MASK G



CENTER 851.0015 MHz
 #IF BW 300 Hz
 AVG BW 300 Hz
 SPAN 150.0 KHz
 SWP 5.00 sec

PLOT #33

Date: Jan. 20, 2000
Tested by: Hung Trinh

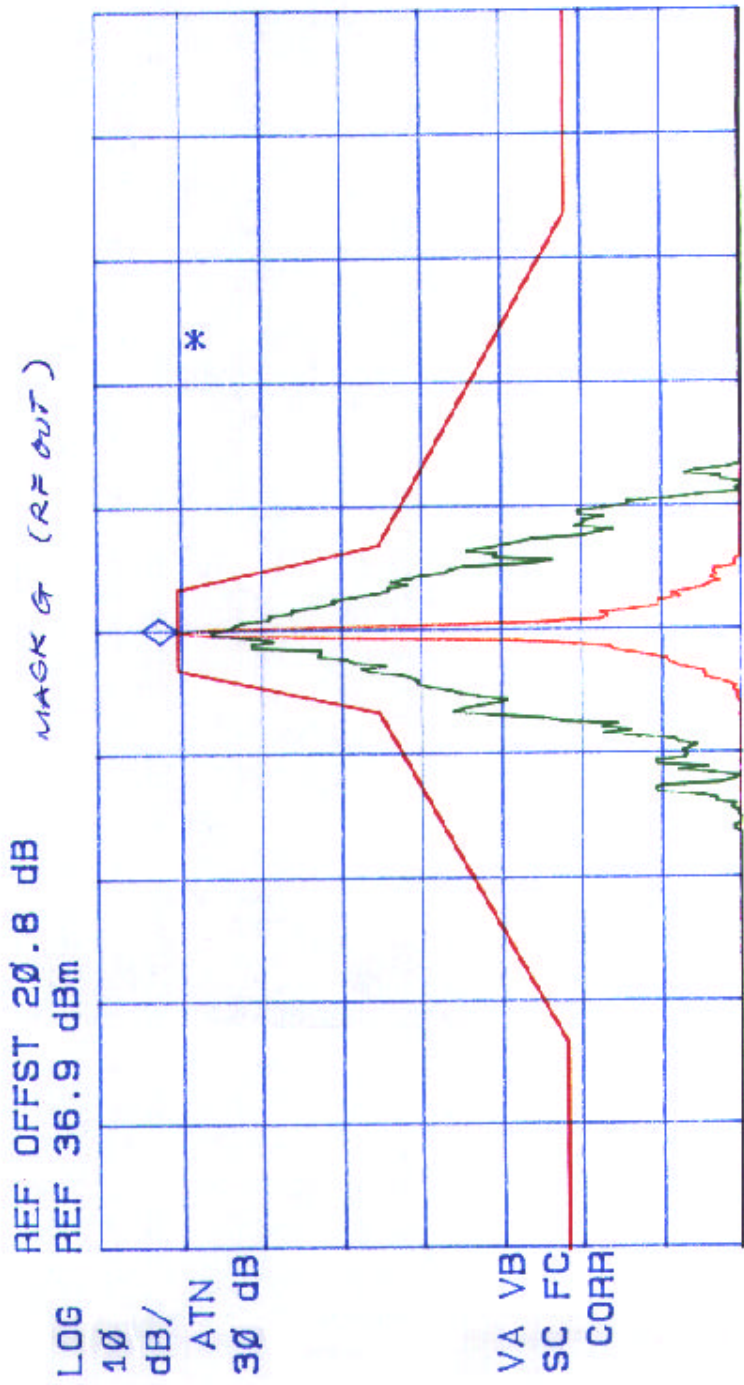
KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851 - 869 MHz
Tx Freq.: 851 MHz, RF Output at antenna: 0.74 Watts
Modulation: RF In at level of -32 dBm @ 851 MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: 2.2 kHz



hp

REF LEVEL 36.9 dBm
ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 851.0011 MHz
26.88 dBm

PLOT #34





KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851 - 869 MHz
 Tx Freq.: MHz, RF Output at antenna: Watts
 Modulation: RF In at level of dBm @ 860 MHz, F/M Modulated with an
 external 9600 b/s random data, Freq. Dev.: 2.3 kHz

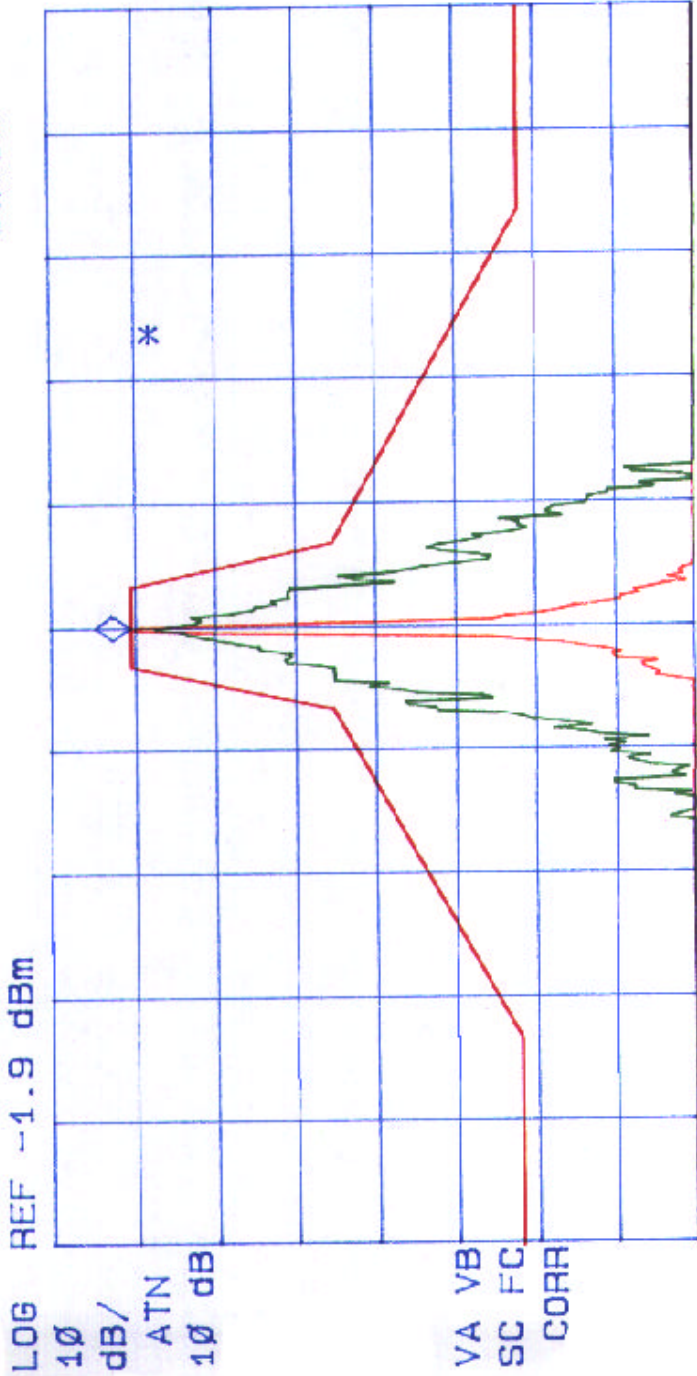
Date: Jan. 02, 2000
 Tested by: Hung Trinh

hp

REF LEVEL
 -1.9 dBm

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 860.0015 MHz
 -11.83 dBm
 -20.53 dBm ATN
 -32.36 dBm

RF IN SIGNAL FITTED IN MASK &



CENTER 860.0015 MHz
 #IF BW 300 Hz AVG BW 300 Hz SPAN 150.0 KHz
 SWP 5.00 sec

PLOT #35

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

KAVAL TELECOM INC.
BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851 - 869 MHz
Tx Freq.: 860 MHz, RF Output at antenna: 0.87 Watts
Modulation: RF In at level of -34 dBm @ 860 MHz, FM Modulated with an external 9600 b/s random data, Freq. Dev.: 2.8 kHz

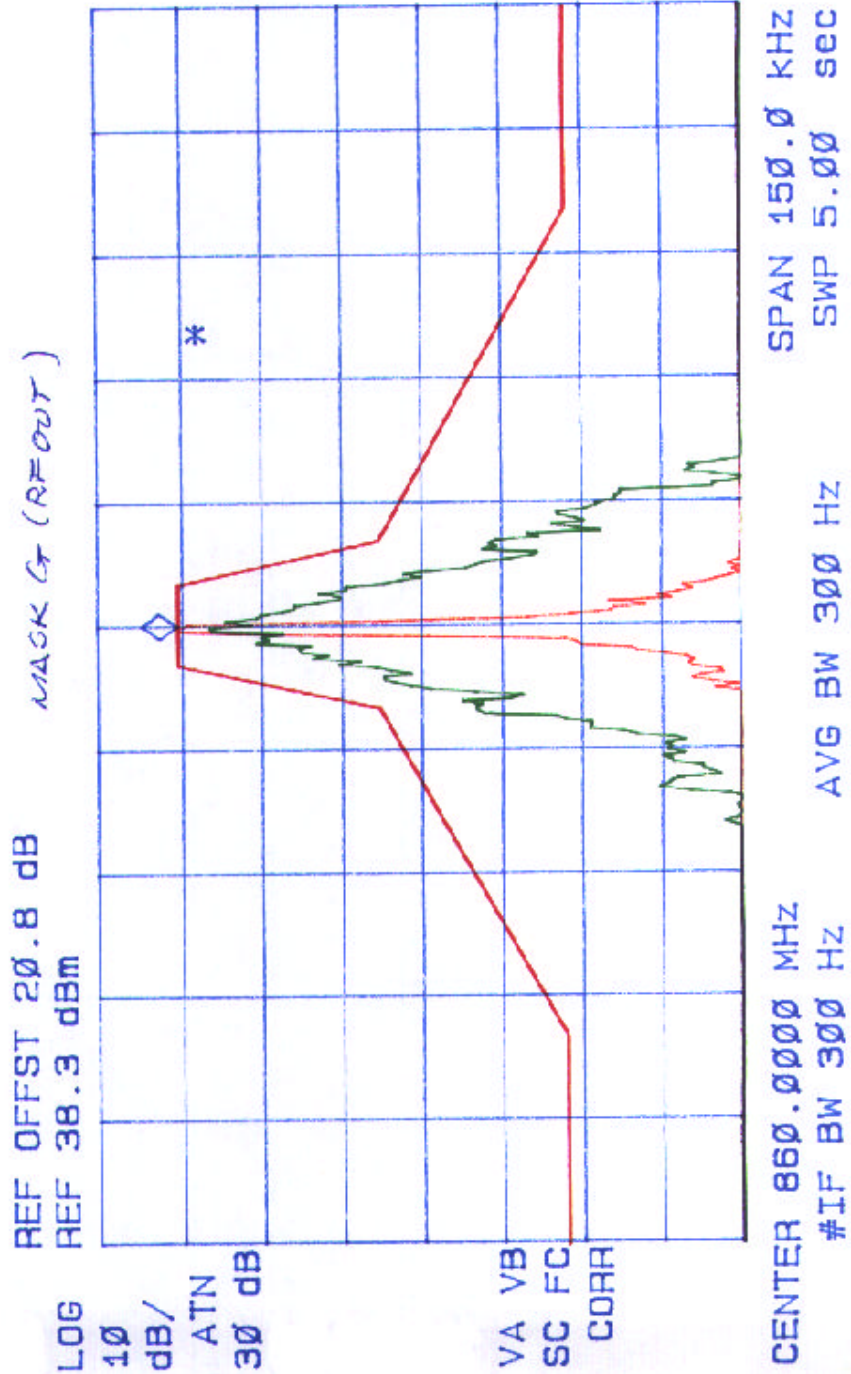


hp

REF LEVEL
38.3 dBm

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 860.0000 MHz
28.33 dBm

PLOT #36



Date: Jan. 02, 2000
 Tested by: Hung Trinh

KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T- 851 - 869 MHz
 Tx Freq.: _____ MHz, RF Output at antenna: _____ Watts
 Modulation: RF In at level of _____ dBm @ 869 MHz, FM Modulated with an
 external 9600 b/s random data, Freq. Dev.: 2.5 kHz



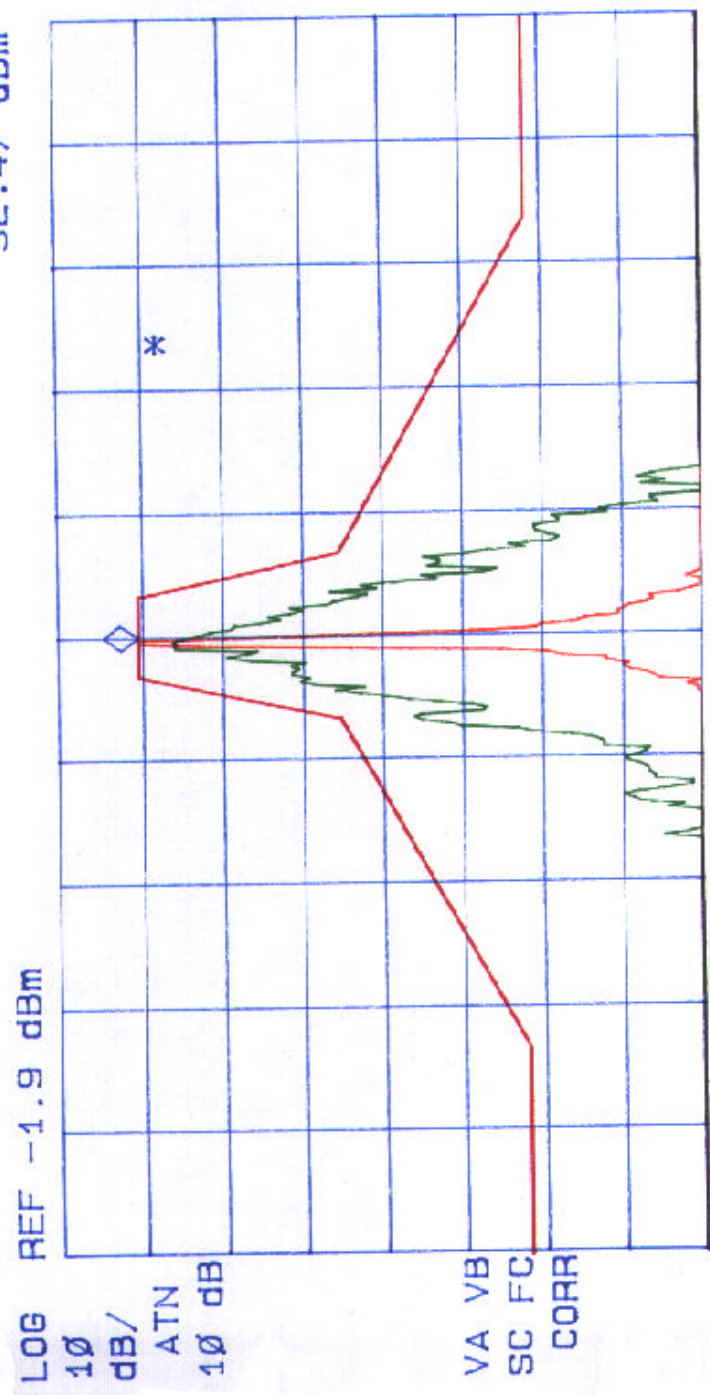
hp

CENTER
 869.0019 MHz

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 869.0019 MHz
 -11.94 dBm
 -20.53 dBm ATN
 32.47 dBm

RF IN SIGNAL FITTED IN MASK G

PLOT #37



CENTER 869.0019 MHz
 #IF BW 300 Hz
 AVG BW 300 Hz
 SPAN - 150.0 KHz
 SWP 5.00 sec



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

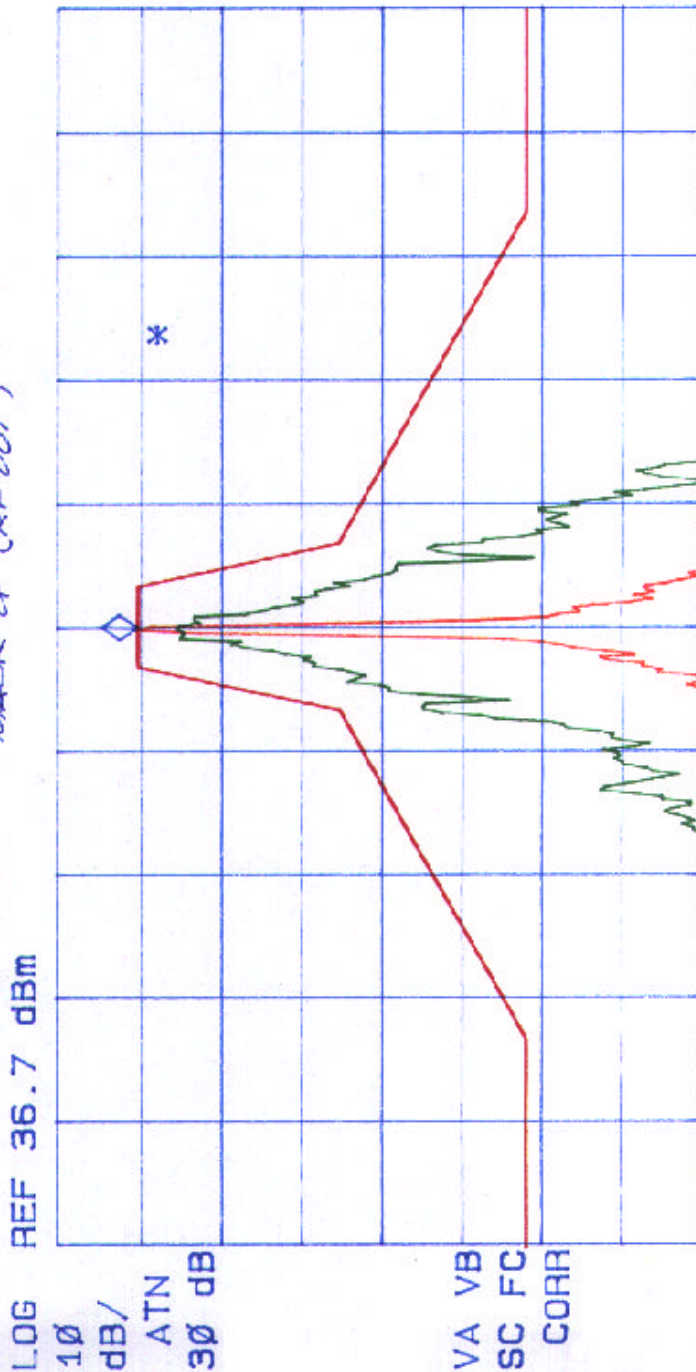
KAVAL TELECOM INC.
 BI-DIRECTIONAL AMPLIFIERS, MODEL: BDA 1250-T-857-869 MHz
 Tx Freq.: 869 MHz, RF Output at antenna: 0.52 Watts
 Modulation: RF In at level of -34 dBm @ 869 MHz, FM Modulated with an
 external 9600 b/s random data, Freq. Dev.: 2.5 kHz

REF LEVEL
 36.7 dBm

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 868.9996 MHz
 26.72 dBm

REF OFFST 20.8 dB
 REF 36.7 dBm

MASK @ (RF OUT)



CENTER 868.9996 MHz
 #IF BW 300 Hz

AVG BW 300 Hz

SPAN 150.0 KHZ
 SWP 5.00 sec

PLOT #38