



UltraTech
Engineering Labs Inc.

KAVAL TELECOM INC.

BI-DIRECTIONAL AMPLIFIER (806-824 MHz and 851-869 MHz)

Date: June 14, 1999
Tested by: Hung Trinh

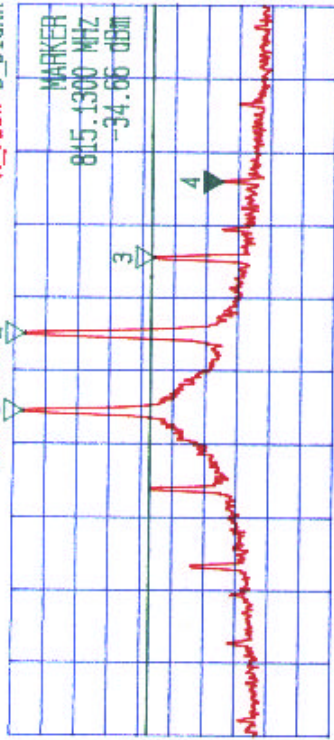
INTERMODULATION WITH 2 RF INPUT SIGNALS IN 806-824 MHz BAND

REF 30.0 dBm
10dB/

MKR
815.1300 MHz

RBW 1 kHz
VBW 1 kHz
SMP 1.0 s

ATT 10 dB 2 A_view B_blank



CENTER 815.0000 MHz

SPAN 500 kHz

*** Multi Marker List ***

814.9721 MHz	27.16 dBm	A
815.0250 MHz	26.81 dBm	A
815.0779 MHz	-13.59 dBm	A
815.1300 MHz	-34.66 dBm	A

No. 1:
No. 2:
No. 3:
No. 4:
No. 5:
No. 6:
No. 7:
No. 8:
Δ:

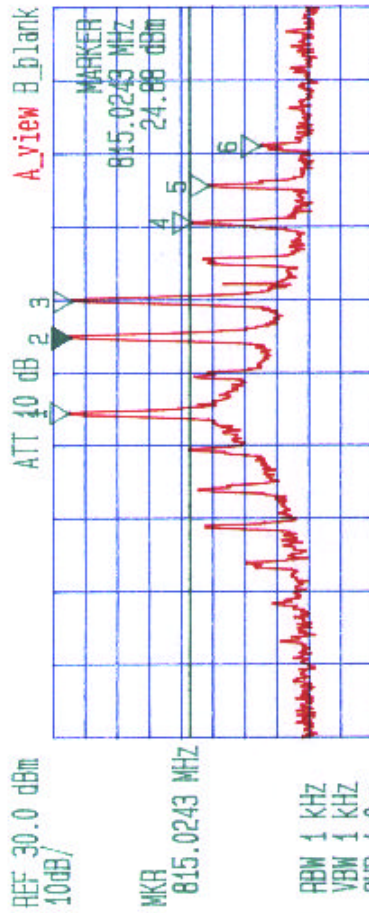
PLOT # 2



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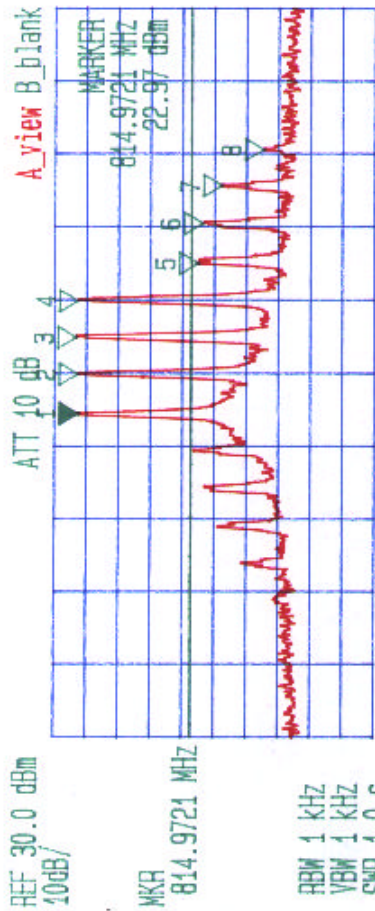
INTERMODULATION WITH 3 RF INPUT SIGNALS IN 806-824MHz BAND



No.	Multi	Marker	List	***
1:	814.9721	MHz	25.03	dBm
2:	815.0243	MHz	24.88	dBm
3:	815.0493	MHz	24.22	dBm
4:	815.1029	MHz	-13.19	dBm
5:	815.1279	MHz	-18.97	dBm
6:	815.1550	MHz	-34.75	dBm
7:				
8:				
A:				

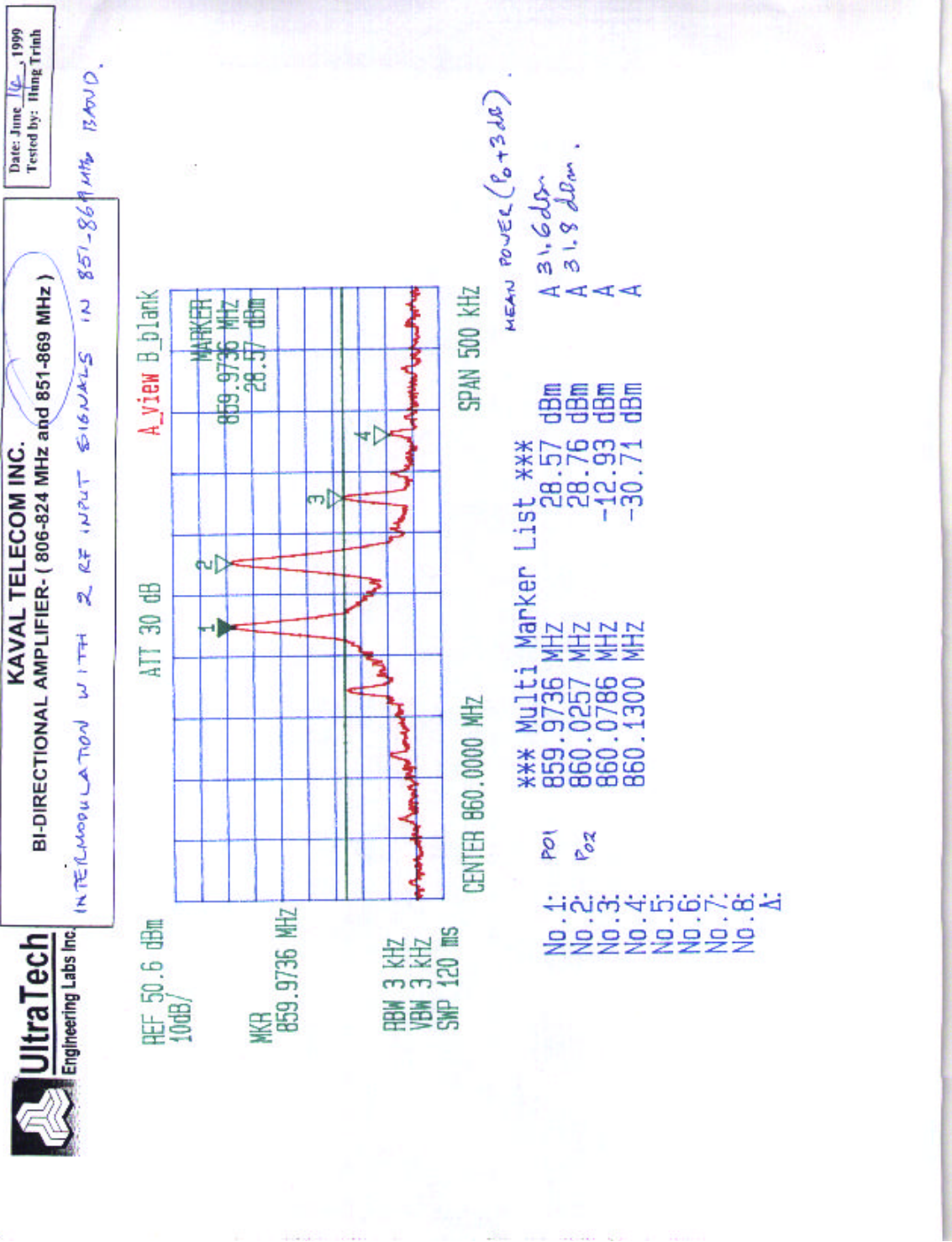
Date: June 14, 1999
Tested by: Thung Trinh

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BI-DIRECTIONAL AMPLIFIER- (806-824 MHz and 851-869 MHz)
INTERMODULATION WITH 4 RF INPUT SIGNALS IN 806-824 MHz BAND



RBW 1 kHz
VBW 1 kHz
SWP 1.0 S

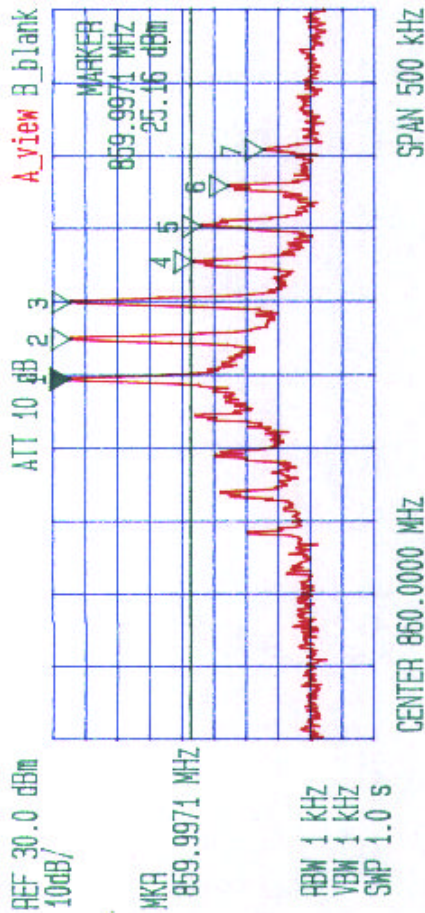
No.	Multi Marker List	dBm	A
1:	814.9721 MHz	22.97	A
2:	814.9993 MHz	22.50	A
3:	815.0243 MHz	23.16	A
4:	815.0493 MHz	22.72	A
5:	815.0750 MHz	-14.88	A
6:	815.1021 MHz	-16.13	A
7:	815.1279 MHz	-22.06	A
8:	815.1529 MHz	-35.06	A



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INTERMODULATION WITH 3 RF INPUT SIGNALS IN 851-869 MHz BAND



*** Multi Marker List ***

859.9971 MHz	25.16 dBm	A
860.0243 MHz	24.97 dBm	A
860.0493 MHz	24.94 dBm	A
860.0771 MHz	-13.06 dBm	A
860.1014 MHz	-15.78 dBm	A
860.1293 MHz	-24.38 dBm	A
860.1543 MHz	-35.22 dBm	A

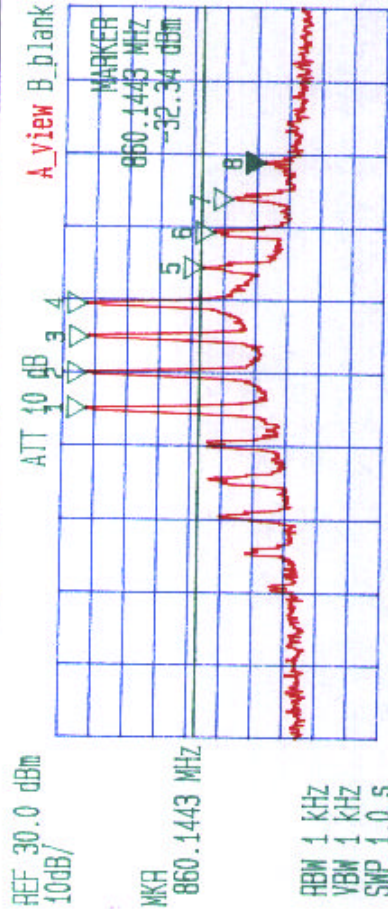
No. 1:
No. 2:
No. 3:
No. 4:
No. 5:
No. 6:
No. 7:
No. 8:
Δ:



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Date: June 14, 1999
 Tested by: Itang Trinh

INTERMODULATION WITH 4 RF INPUT SIGNALS IN 851-869 MHz BAND



*** Multi Marker List ***

No.	Frequency (MHz)	Power (dBm)	Label
1:	859.9750	22.53	A
2:	859.9993	22.66	A
3:	860.0243	22.13	A
4:	860.0471	22.75	A
5:	860.0721	-13.06	A
6:	860.0964	-16.59	A
7:	860.1193	-22.28	A
8:	860.1443	-32.34	A