



UltraTech
Engineering Labs Inc.

KAVAL WIRELESS TECHNOLOGIES INC.
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Intermodulation with 2 RF input signals in Trunking 851 - 866 MHz band

Date: May 12, 2001
Tested by: Hung Trinh

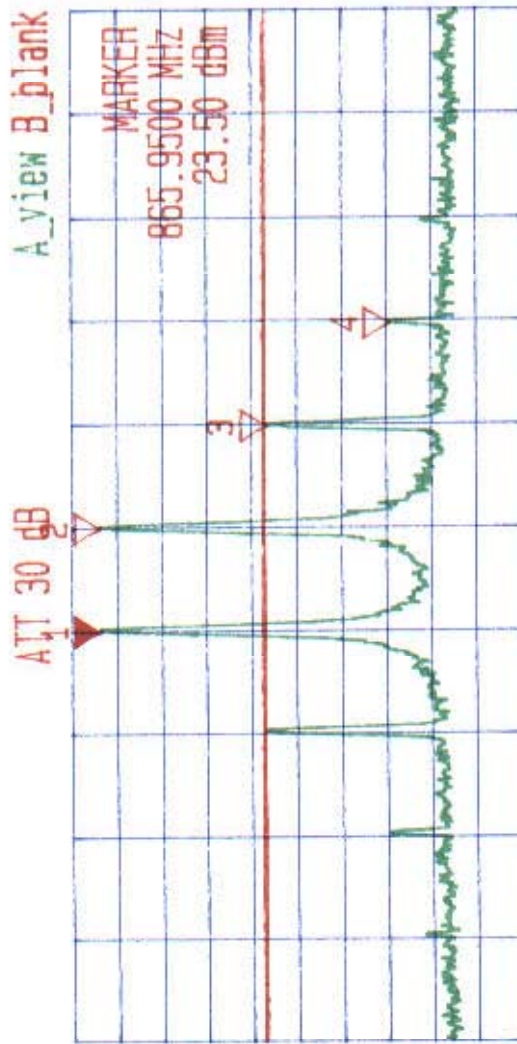
Plot # 31

865.95 & 866 MHz

REF 30.0 dBm
10dB/

MKR
865.9500 MHz

RBW 1 kHz
VBW 1 kHz
SWP 1.0 S



CENTER 866.0000 MHz

SPAN 500 kHz

*** Multi Marker List ***

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

865.9500 MHz
866.0000 MHz
866.0493 MHz
866.0986 MHz

23.50 dBm
23.75 dBm
-13.28 dBm
-40.84 dBm

A
A
A
A

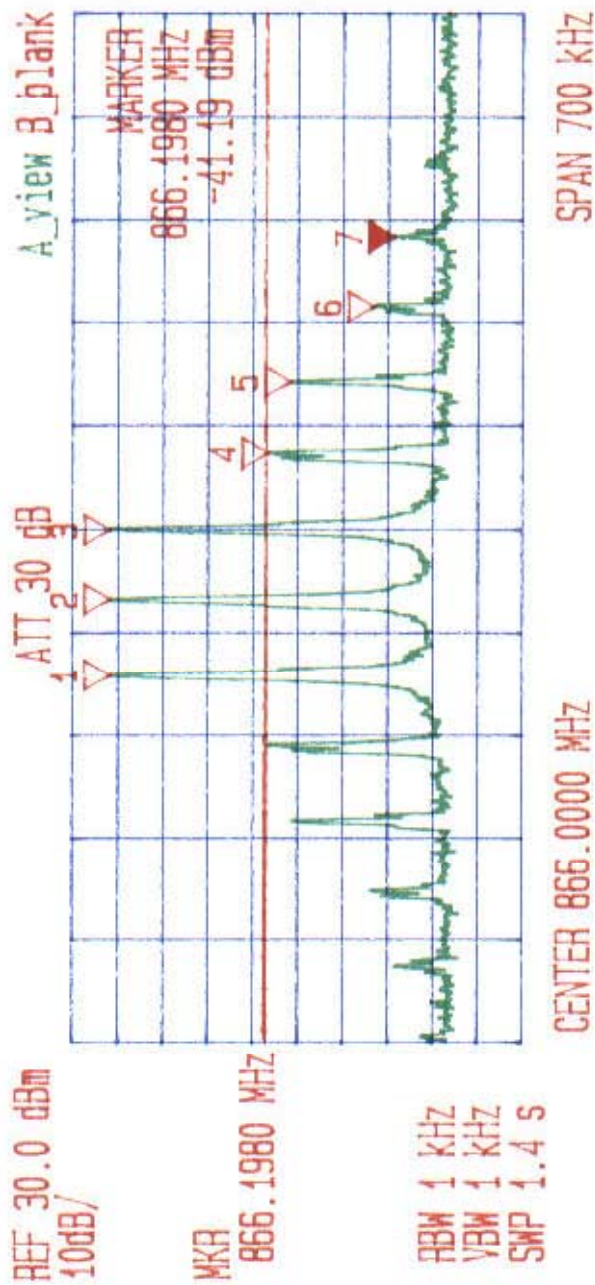


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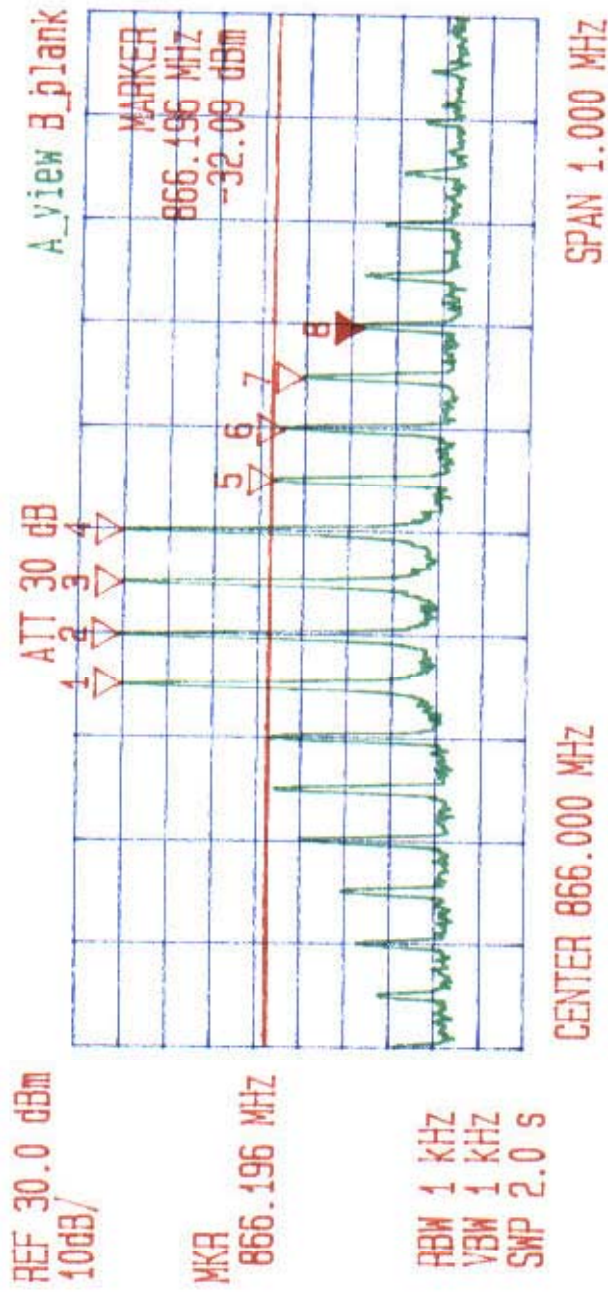
SATELLINK RF – FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Intermodulation with 3 RF input signals in Trunking 851 – 866 MHz band

Date: May 12, 2001
Tested by: Hung Trinh

Plot # 32



No.	Multi Marker	List ***	
No. 1:	865.9000 MHz	21.75	dBm
No. 2:	865.9520 MHz	21.72	dBm
No. 3:	865.9990 MHz	21.88	dBm
No. 4:	866.0510 MHz	-13.41	dBm
No. 5:	866.0990 MHz	-18.28	dBm
No. 6:	866.1500 MHz	-37.00	dBm
No. 7:	866.1980 MHz	-41.19	dBm



*** Multi Marker List ***

No.	Marker	List	***
1:	865.850 MHz	20.22 dBm	A
2:	865.899 MHz	20.63 dBm	A
3:	865.949 MHz	20.03 dBm	A
4:	865.999 MHz	20.22 dBm	A
5:	866.049 MHz	-13.28 dBm	A
6:	866.097 MHz	-15.16 dBm	A
7:	866.147 MHz	-19.50 dBm	A
8:	866.196 MHz	-32.09 dBm	A



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KAVAL WIRELESS TECHNOLOGIES INC.
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFB-R01
20 dB BW of the PCS 1930 - 1990 MHz band pass gain (PCS)

Date: May 11, 2001
Tested by: Hung Trinh

Plot #34

RF INPUT - 5.63m Tracking signal from 500MHz - 2.5 GHz

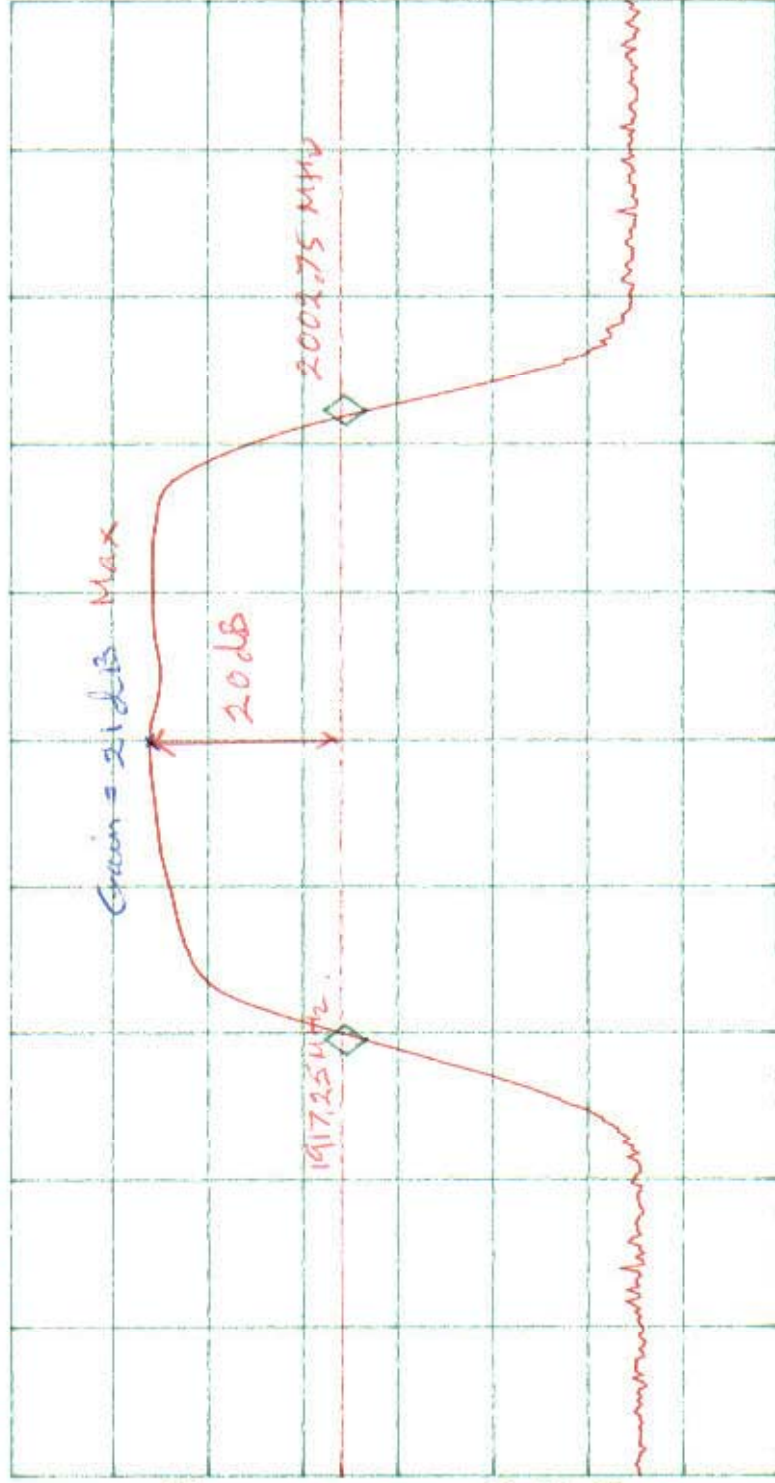
MARKER Δ
85.5 MHz
.06 dB

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 85.5 MHz
.06 dB

No user
Menu

REF OFFST 11.9 dB
REF 30.0 dBm

LOG
10
dB/
ATN
30 dB
DL
-4.4
dBm
MA SB
SC FC
CORR



CENTER 1.9600 GHz
#IF BW 1.0 MHz
SPAN 200.0 MHz
SWP 20.0 msec
#AVG BW 1 MHz



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KAVAL WIRELESS TECHNOLOGIES INC.
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
20 dB BW of the Cellular 869 - 894 MHz band pass gain (Cellular)

Date: May 11, 2001
Tested by: Hung Trinh

Plot # 35

HP

RF input: -5 dBm Tracking

MARKER Δ
45.0 MHz
-0.18 dB

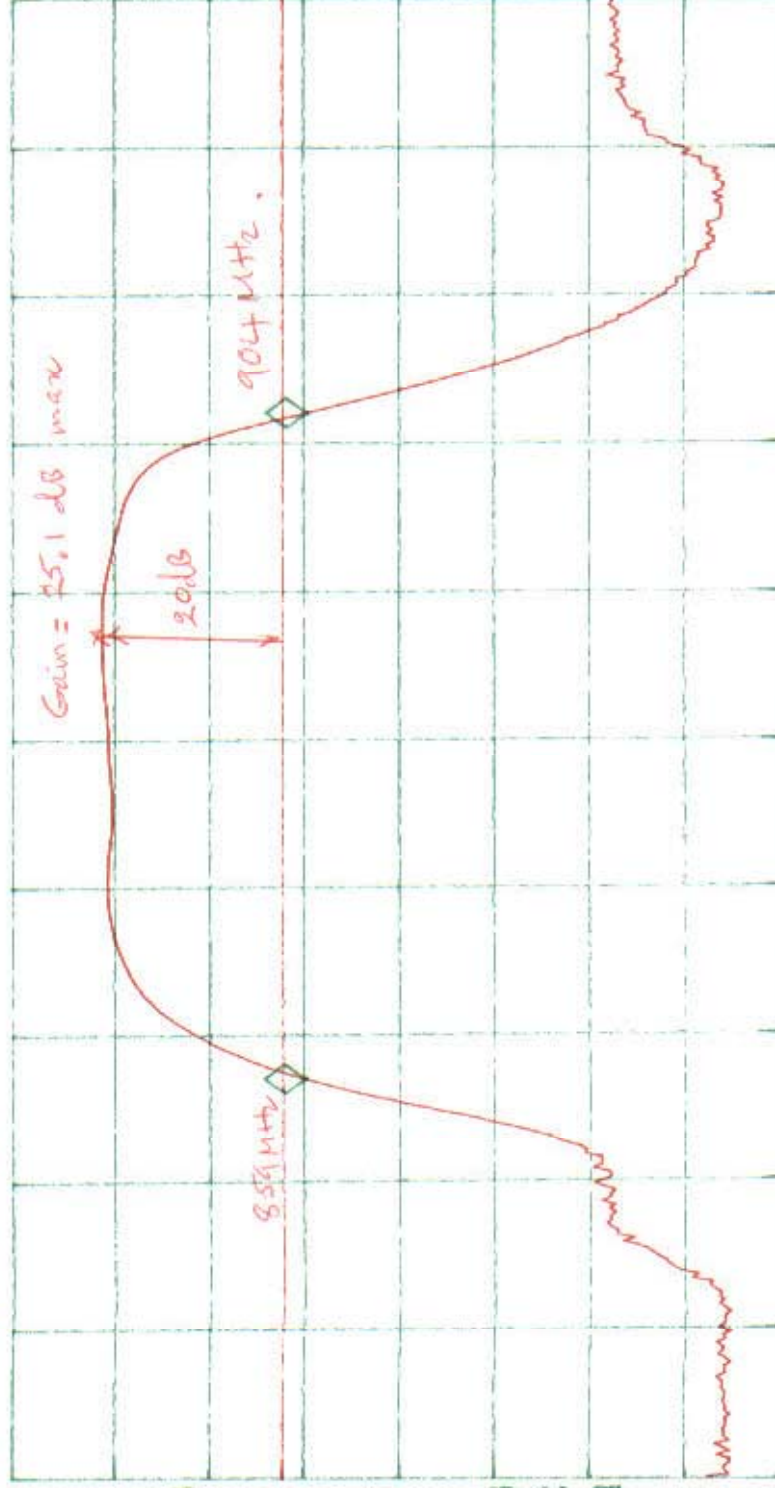
ACTV DET: PEAK
MEAS DET: PEAK QP AVG

No user
Menu

MKR 45.0 MHz
-0.18 dB

REF OFFST 11.3 dB
REF 29.4 dBm

LOG 10
dB/ ATN
30 dB
DL 1.3
dBm
MA SB
SC FC
CORR



CENTER 881.5 MHz
#IF BW 100 kHz
SPAN 100.0 MHz
#AVG BW 100 kHz
SWP 30.0 msec



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SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
20 dB BW of the Paging 928 - 941 MHz band pass gain (Paging)

Date: May 11, 2001
Tested by: Hung Trinh

Plot #36

7p

RF input: -5dBm Tracking

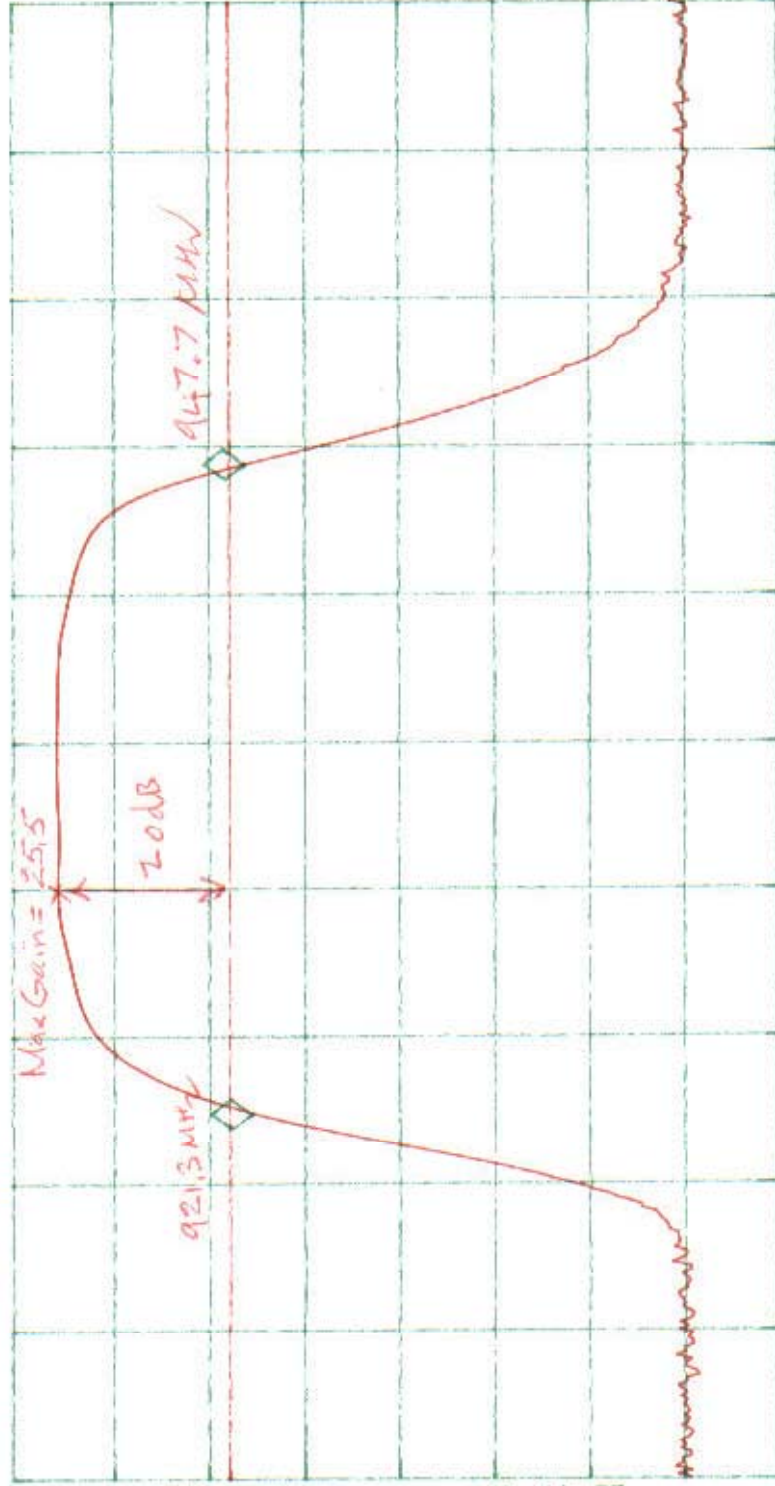
MARKER Δ
26.40 MHz
.68 dB

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 26.40 MHz
.68 dB

No user
Menu

REF OFFST 11.3 dB
REF 25.0 dBm

LOG 10
dB/
ATN
30 dB
DL 2.5
dBm
MA SB
SC FC
CORR



CENTER 934.50 MHz
#IF BW 100 kHz
#AVG BW 100 kHz
SPAN 60.00 MHz
SWP 20.0 msec



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SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
20 dB BW of the Trunking 851 - 866 MHz band pass gain

Date: May 11, 2001
Tested by: Hung Trinh

Plot # 37

hp

RF input: -5 dBm Trunking

MARKER Δ
31.5 MHz
-0.19 dB

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 31.5 MHz
-0.19 dB

No user
Menu

REF OFFST 11.3 dB
REF 35.0 dBm

LOG

10

dB/

ATN

40 dB

DL

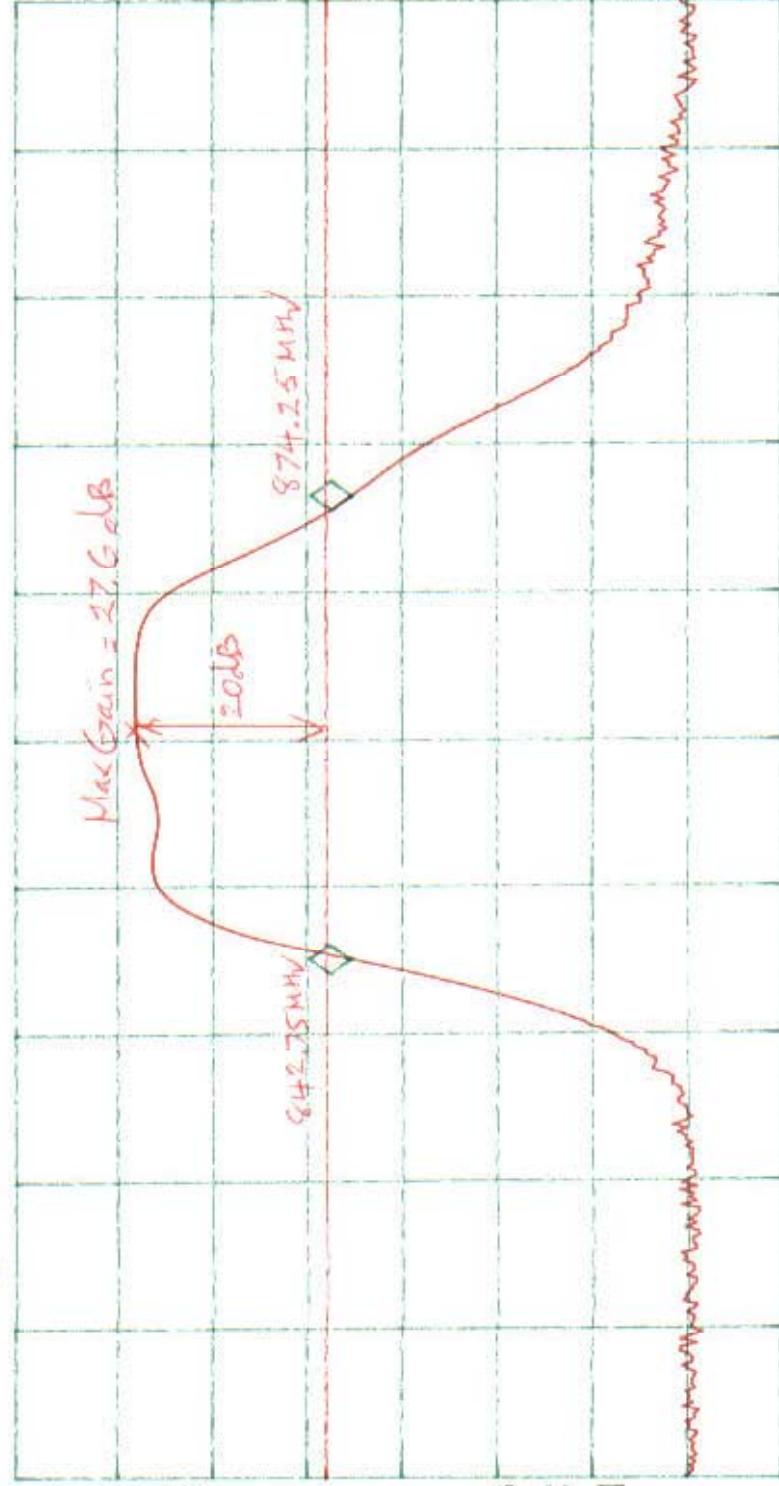
2.6

dBm

MA SB

SC FC

CORR



CENTER 858.5 MHz

#IF BW 100 KHz

#AVG BW 100 KHz

SPAN 100.0 MHz

SWP 30.0 msec



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SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Spurious Emission @ PCS 1930 - 1990 MHz Output with 1 RF Input Signals
RF In/ Out Frequency 1930 MHz

Date: June 01 2001
Tested by: Hung Trinh

Plot # 38

RF IN - 0.4 dBm

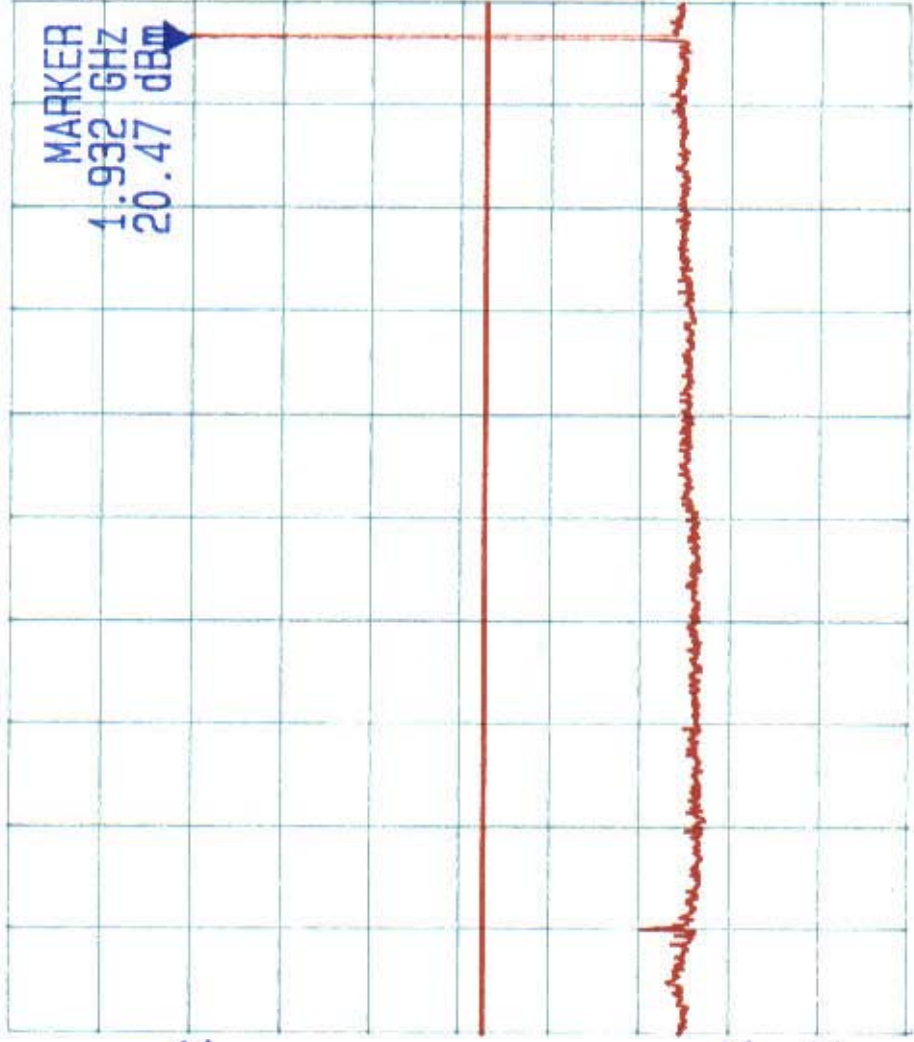
REF 40.0 dBm
10dB/

MKR
1.932 GHz

REF OFS
11.3 dB

RBW 100 kHz
VBW 100 kHz
SWP 400 ms

Fri Jun 1 11:20:27 2001
ATT 40 dB A_write&max B_blank



START 10 MHz

STOP 2.000 GHz

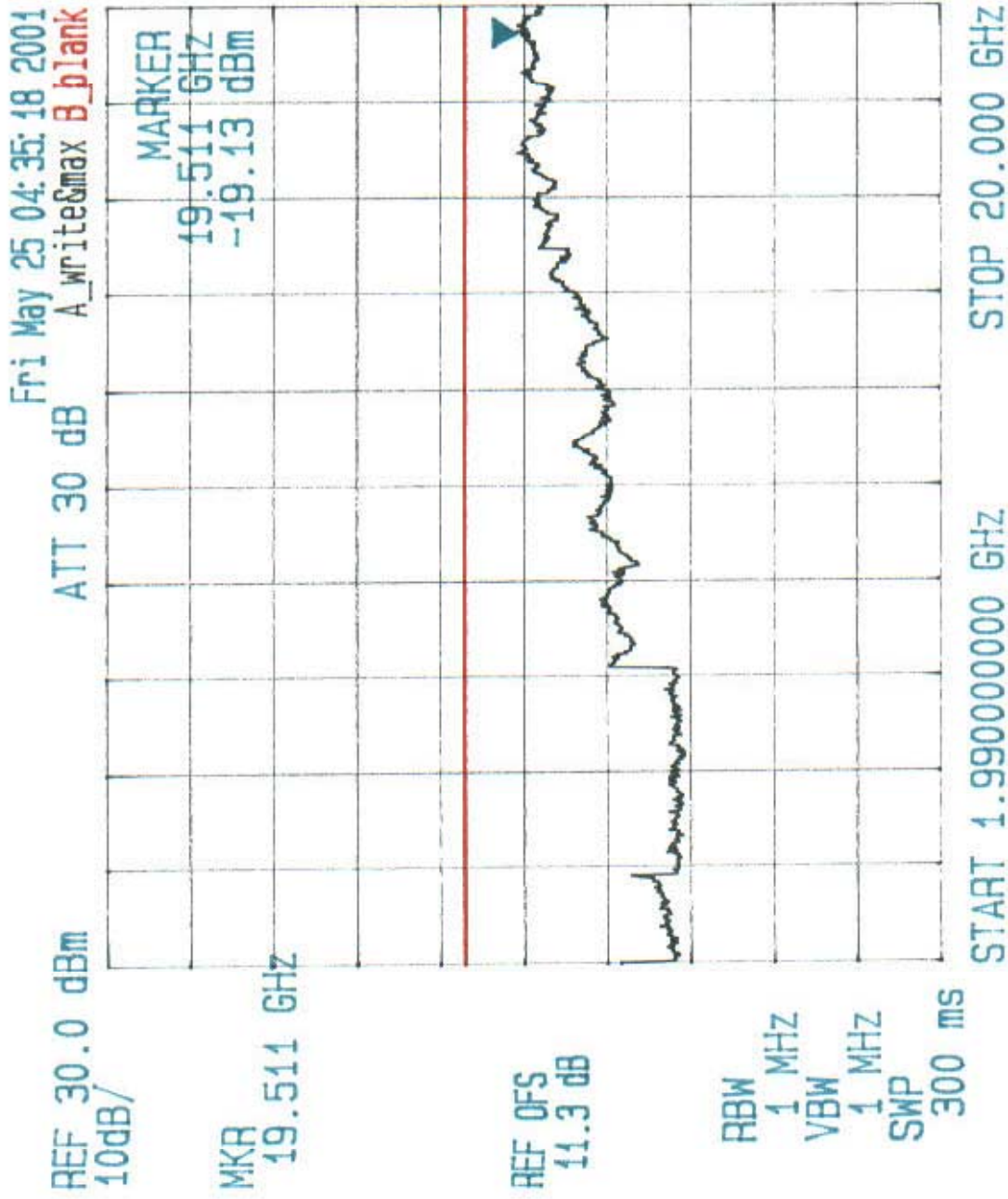


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SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Spurious Emissions @ 1930 ~ 1990 MHz Output with 1 RF Input Signal
RF In / Out Frequency 1930 MHz

Date: May 25, 2001
Tested by: Hung Trinh

Plot # 39





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KAVAL WIRELESS TECHNOLOGIES INC.
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Spurious Emissions @ PCS 1930 - 1990 MHz Output with 2 RF Input Signals
RF In / Out Frequencies 1930 & 1930.05 MHz

Date: May 13, 2001
Tested by: Hung Trinh

Plot # 40

