



UltraTech
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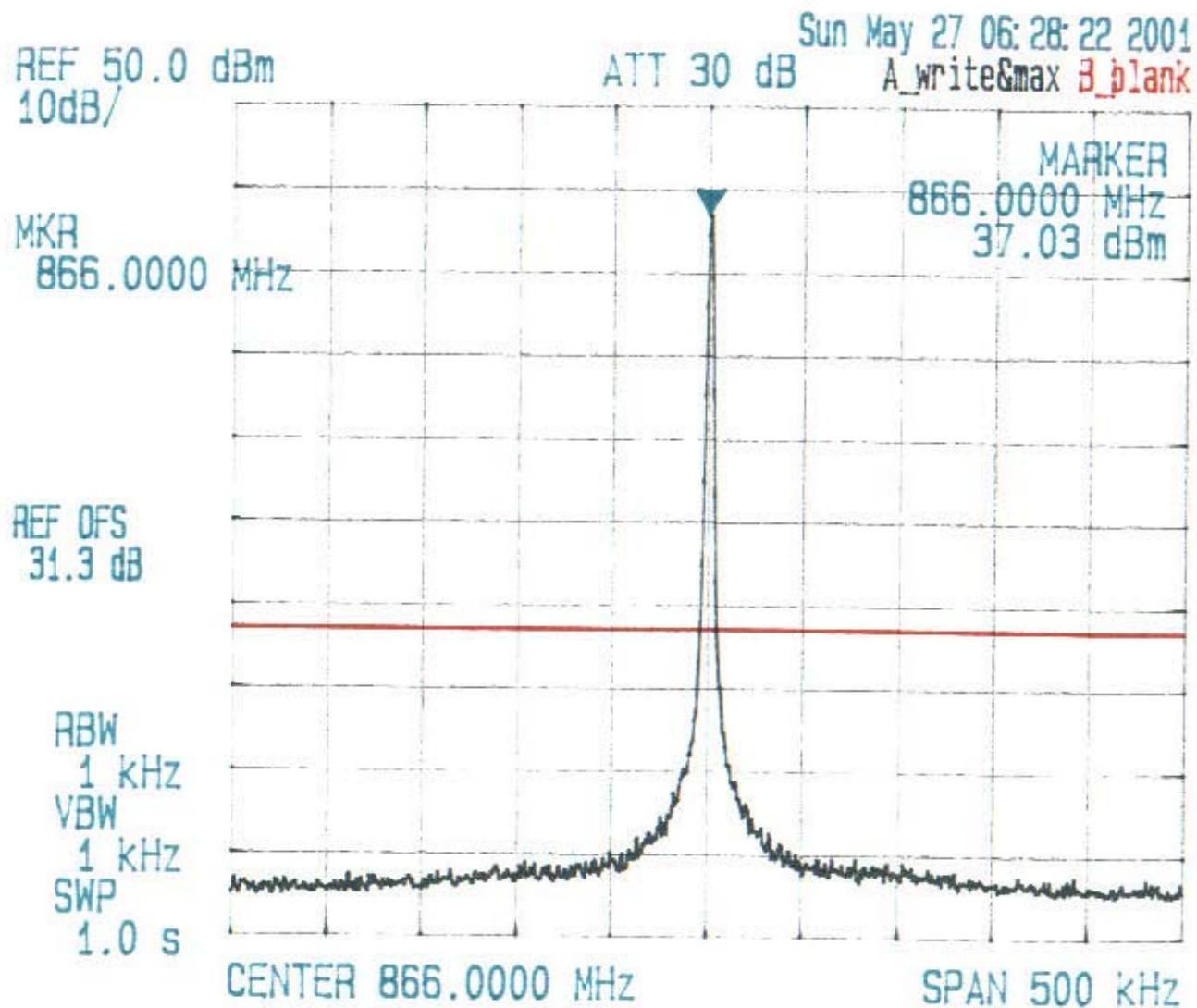
KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 851-866 MHz Output with 1 RF Input Signals
RF In / Out Frequency 866 MHz

Date: May 27 2001
Tested by: Hung Trinh

PLOT # 176

RF IN -44.5 dBm



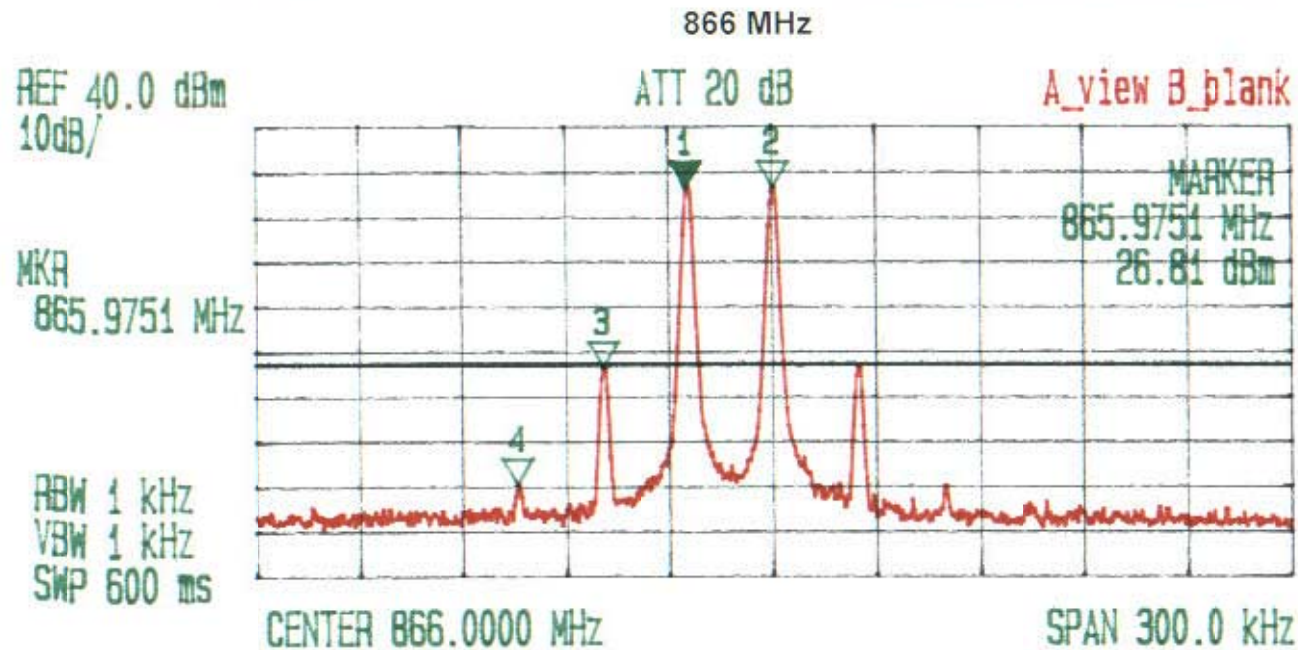


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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES
Intermodulation with 2 RF Input signals in 851 - 866 MHz
865.975, 866 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT # 177



RF IN

① -56.28 dBm

② -56.4 dBm

*** Multi Marker List ***

No.1:	865.9751 MHz	26.81 dBm	A
No.2:	866.0004 MHz	26.81 dBm	A
No.3:	865.9507 MHz	-13.03 dBm	A
No.4:	865.9259 MHz	-39.38 dBm	A
No.5:			
No.6:			
No.7:			
No.8:			
Δ:			

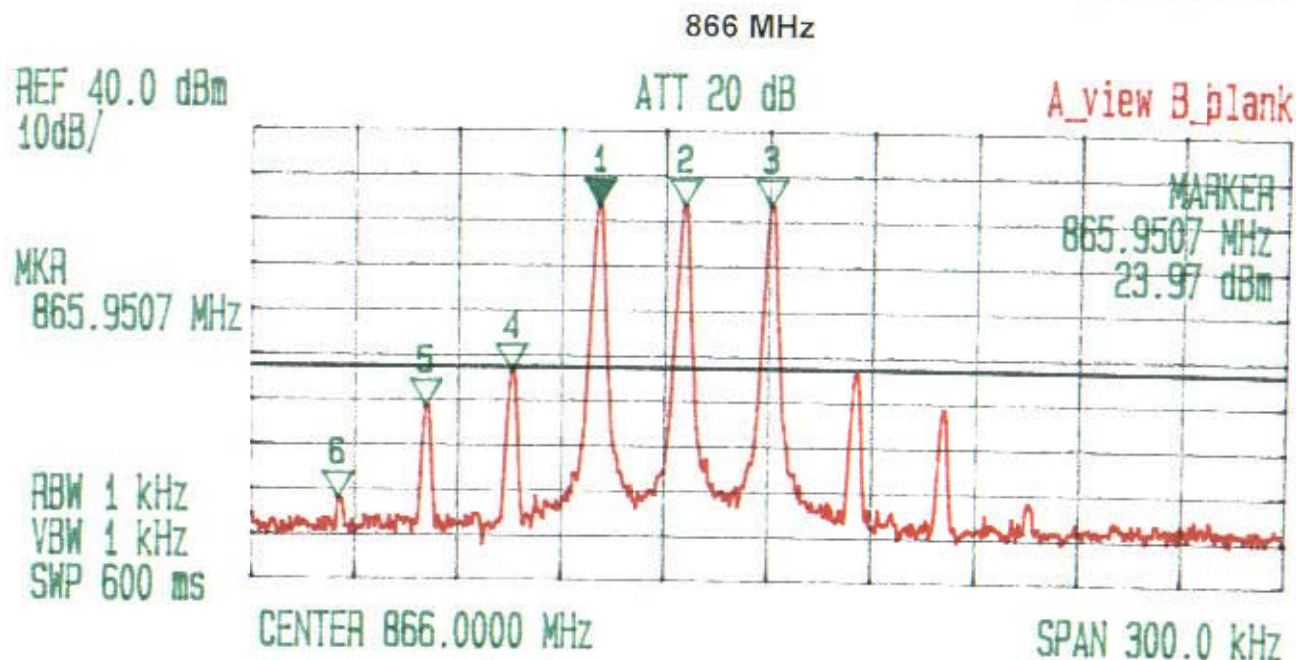


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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 3 RF Input signals in 851 - 866 MHz
865.95, 865.975, 866 MHz

Date: May, 30, 2001
Tested by: Hung Trinh

PLOT # 178



RF IN

- ① -59.3 dBm
- ② -59.2 dBm
- ③ -59.1 dBm

*** Multi Marker List ***				
No.1:	865.9507 MHz	23.97	dBm	A
No.2:	865.9756 MHz	23.97	dBm	A
No.3:	866.0004 MHz	23.97	dBm	A
No.4:	865.9254 MHz	-13.06	dBm	A
No.5:	865.9006 MHz	-21.22	dBm	A
No.6:	865.8753 MHz	-41.59	dBm	A
No.7:				
No.8:				
Δ:				

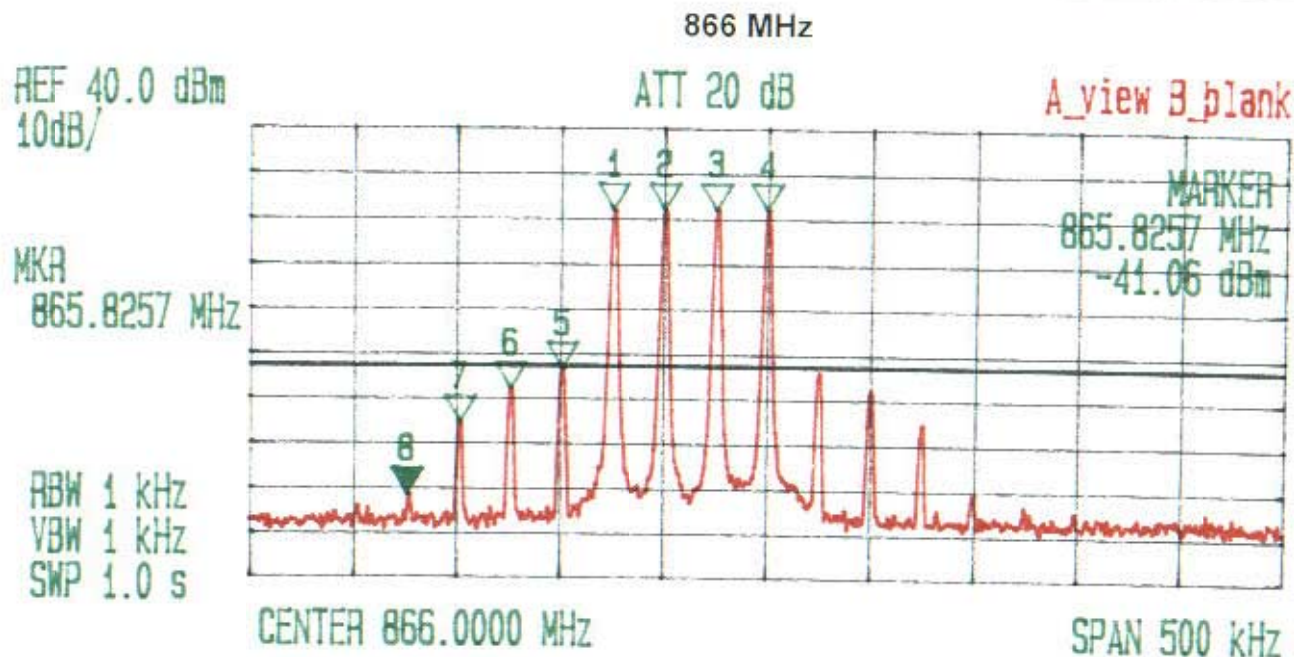


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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 4 RF Input signals in 851 - 866 MHz
865.925, 865.95, 865.975, 866 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT #179



RF IN

① -20.4 dBm
② -20.7 dBm
③ -60.8 dBm
④ -60.8 dBm

*** Multi Marker List ***

No.1:	865.9250 MHz	22.19 dBm	A
No.2:	865.9500 MHz	22.19 dBm	A
No.3:	865.9750 MHz	22.28 dBm	A
No.4:	865.9993 MHz	22.31 dBm	A
No.5:	865.9007 MHz	-13.25 dBm	A
No.6:	865.8757 MHz	-17.78 dBm	A
No.7:	865.8514 MHz	-25.47 dBm	A
No.8:	865.8257 MHz	-41.06 dBm	A
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 866-869 MHz Output with RF Input Signals

RF In / Out Frequency 866 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT #180

RF IN - -44.5 dBm

Wed May 30 15:32:03 2001

REF 50.0 dBm
10dB/

ATT 30 dB

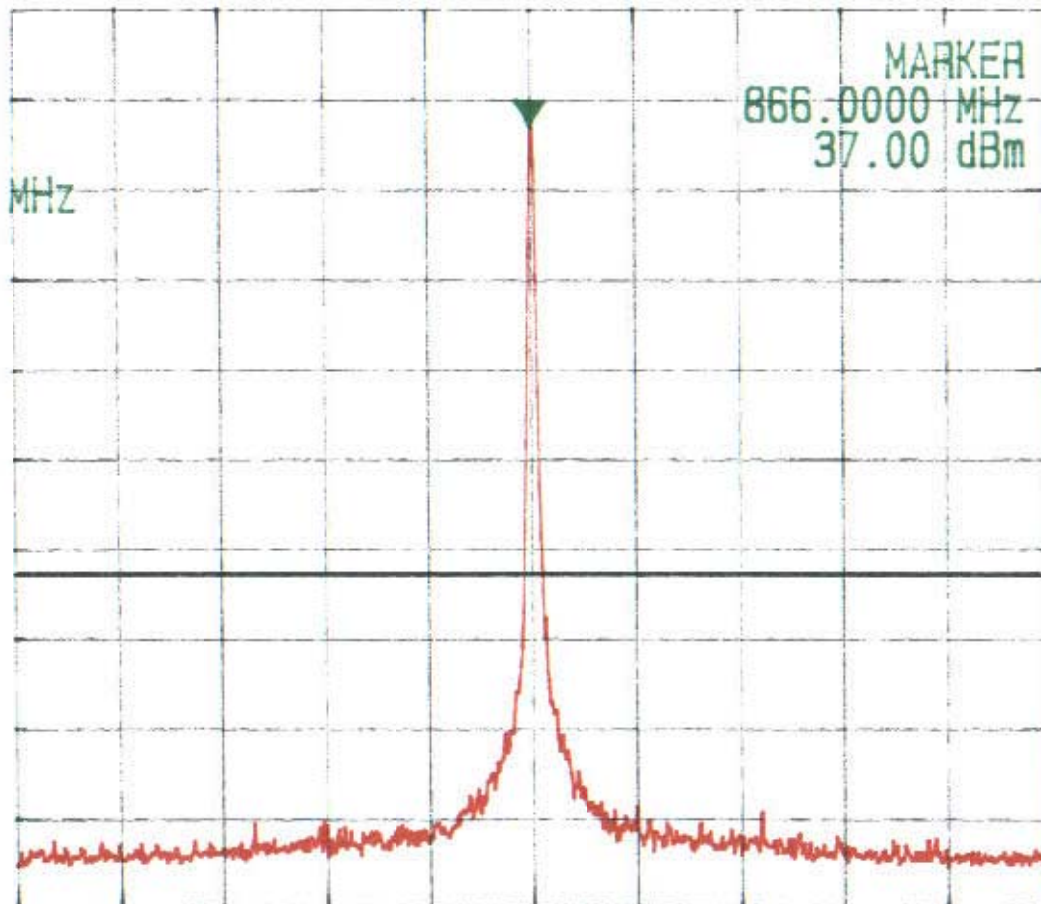
A_write&max B_plank

MKR
866.0000 MHz

MARKER
866.0000 MHz
37.00 dBm

REF OFS
31.3 dB

RBW
1 kHz
VBW
1 kHz
SWP
1.0 s



CENTER 866.0000 MHz

SPAN 500 kHz



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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 2 RF Input signals in 866 - 869 MHz
866, 866.0125 MHz

Date: May 30, 2001
Tested by: Hung Trinh

PLOT # 181

866 MHz (12.5 kHz Channel Spacing)

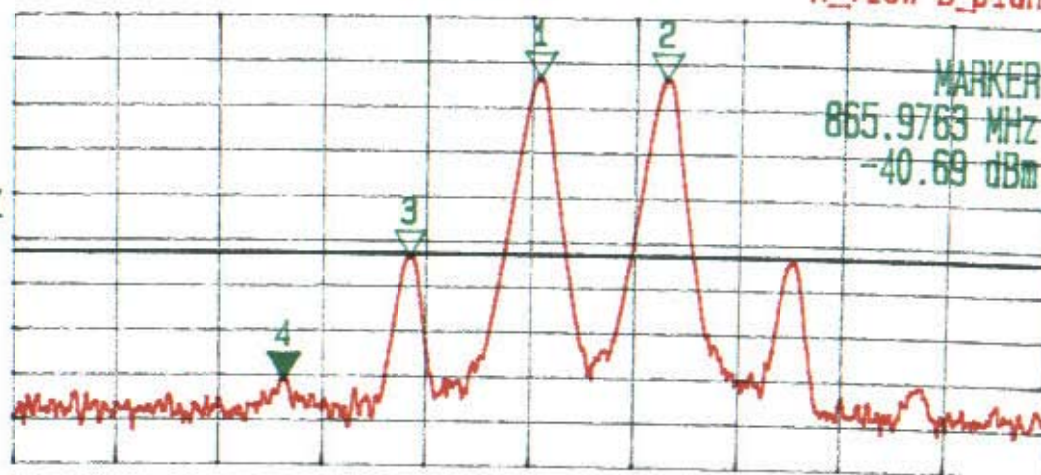
REF 40.0 dBm
10dB/

ATT 20 dB

A_view B_plank

MKA
865.9763 MHz

RBW 1 kHz
VBW 1 kHz
SWP 200 ms



CENTER 866.0000 MHz

SPAN 100.0 kHz

RF IN

① -56.9 dBm

② -56.8 dBm

*** Multi Marker List ***

No.1:	866.0007 MHz	26.91 dBm	A
No.2:	866.0129 MHz	26.88 dBm	A
No.3:	865.9884 MHz	-13.03 dBm	A
No.4:	865.9763 MHz	-40.69 dBm	A
No.5:			
No.6:			
No.7:			
No.8:			
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 3 RF Input signals in 866 - 869 MHz
866, 866.0125, 866.025 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT # 182

866 MHz (12.5 kHz Channel Spacing)

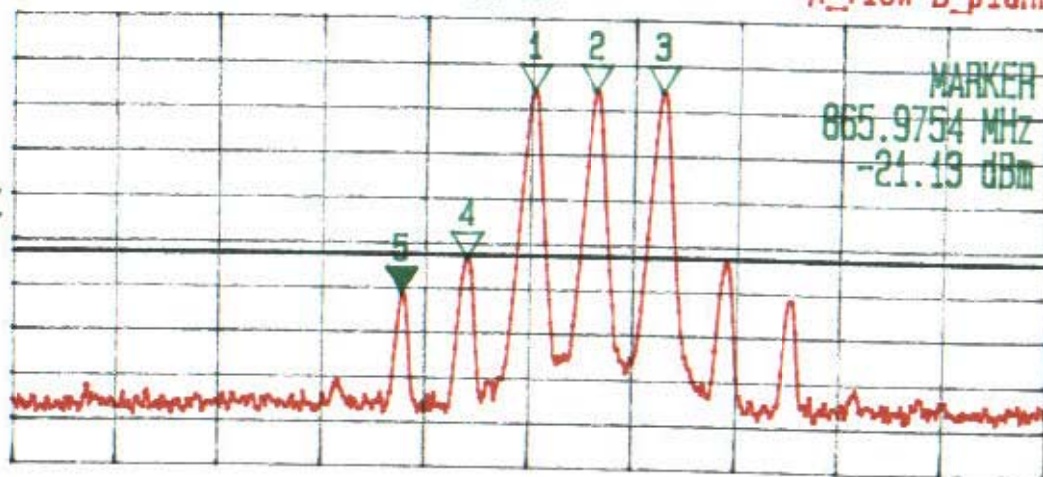
REF 40.0 dBm
10dB/

ATT 20 dB

A_view B_plank

MKR
865.9754 MHz

RBW 1 kHz
VBW 1 kHz
SWP 400 ms



CENTER 866.0000 MHz

SPAN 200.0 kHz

RF IN

- ① -59.0 dBm
- ② -58.9 dBm
- ③ -58.8 dBm

*** Multi Marker List ***

No.1:	866.0006 MHz	24.03 dBm	A
No.2:	866.0126 MHz	24.03 dBm	A
No.3:	866.0254 MHz	24.06 dBm	A
No.4:	865.9880 MHz	-13.13 dBm	A
No.5:	865.9754 MHz	-21.13 dBm	A
No.6:			
No.7:			
No.8:			
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 4 RF Input signals in 866 - 869 MHz
866, 866.0125, 866.025, 866.0375 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT #183

866 MHz (12.5 kHz Channel Spacing)

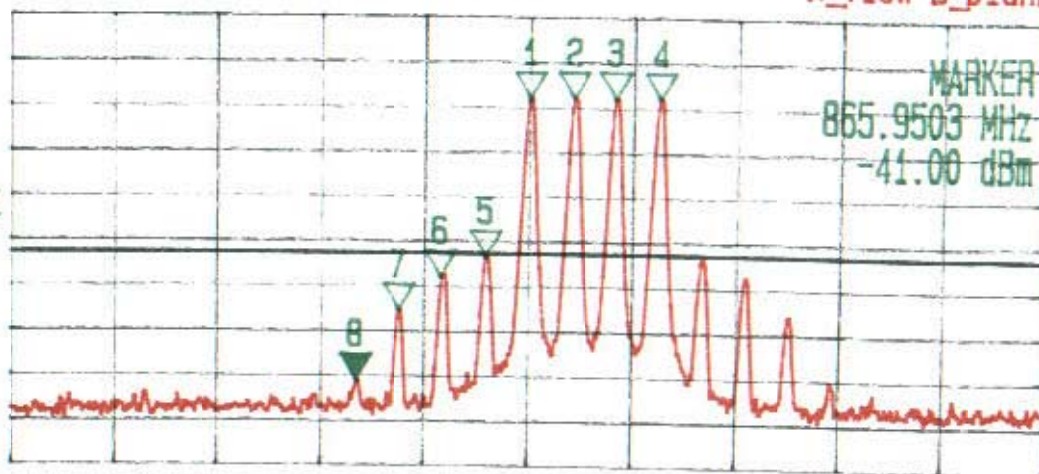
REF 40.0 dBm
10dB/

ATT 20 dB

A_view B_blank

MKR
865.9503 MHz

RBW 1 kHz
VBW 1 kHz
SWP 600 ms



CENTER 866.0000 MHz

SPAN 300.0 kHz

RF IN

- ① -60.4 dBm
- ② -60.8 dBm
- ④ -60.5 dBm
- ⑤ -60.6 dBm

*** Multi Marker List ***

No.1:	866.0000 MHz	22.22 dBm	A
No.2:	866.0129 MHz	22.22 dBm	A
No.3:	866.0249 MHz	22.34 dBm	A
No.4:	866.0377 MHz	22.31 dBm	A
No.5:	865.9876 MHz	-13.25 dBm	A
No.6:	865.9747 MHz	-17.94 dBm	A
No.7:	865.9627 MHz	-25.06 dBm	A
No.8:	865.9503 MHz	-41.00 dBm	A
Δ:			



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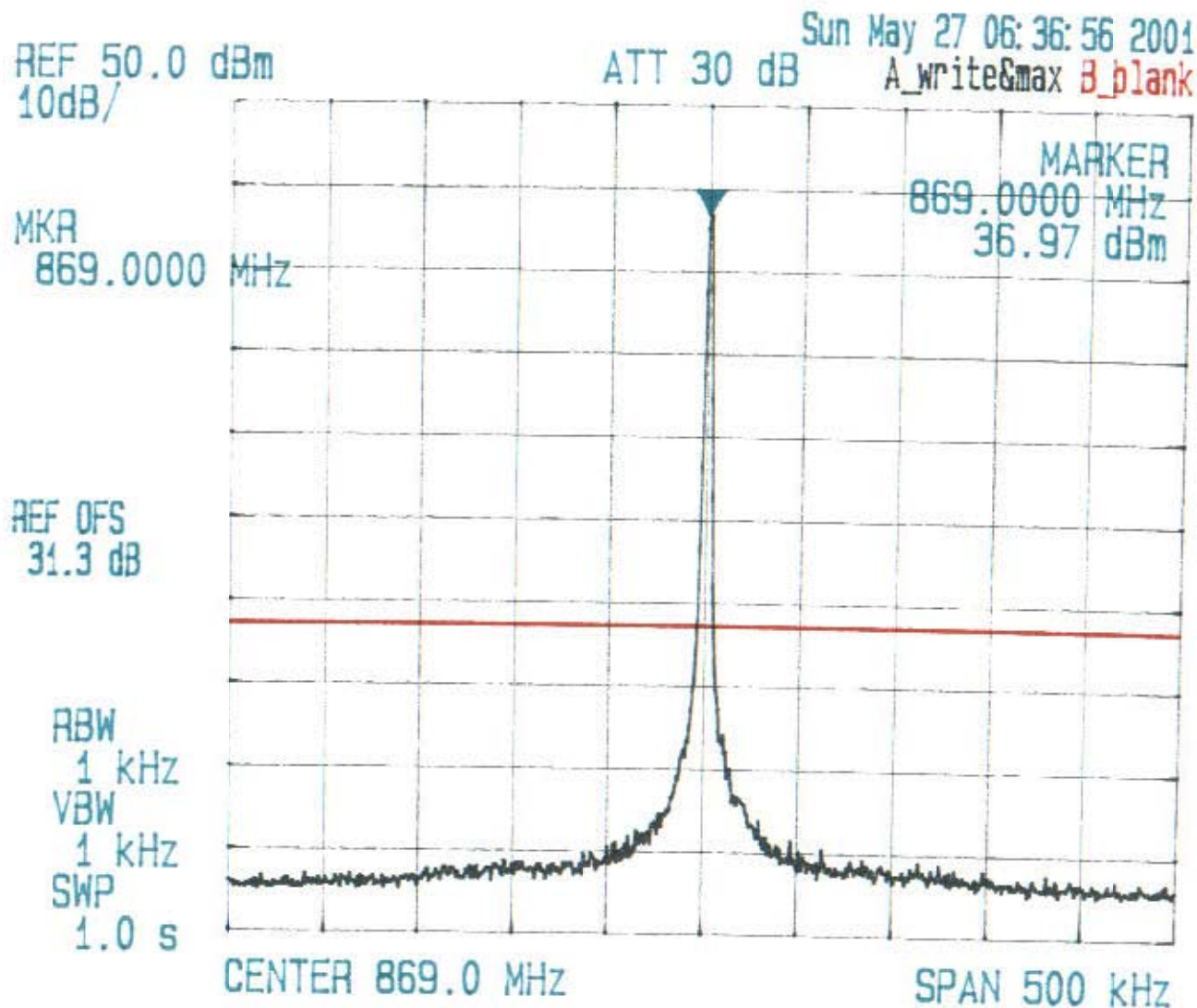
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 866-869 MHz Output with 1 RF Input Signals
RF In / Out Frequency 869 MHz

Date: May 27 2001
Tested by: Hung Trinh

PLOT #184

RF IN - 44 dBm





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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 2 RF Input signals in 866 - 869 MHz
868.9875, 869 MHz

Date: May 30, 2001
Tested by: Hung Trinh

PLOT # 185

869 MHz (12.5 kHz Channel Spacing)

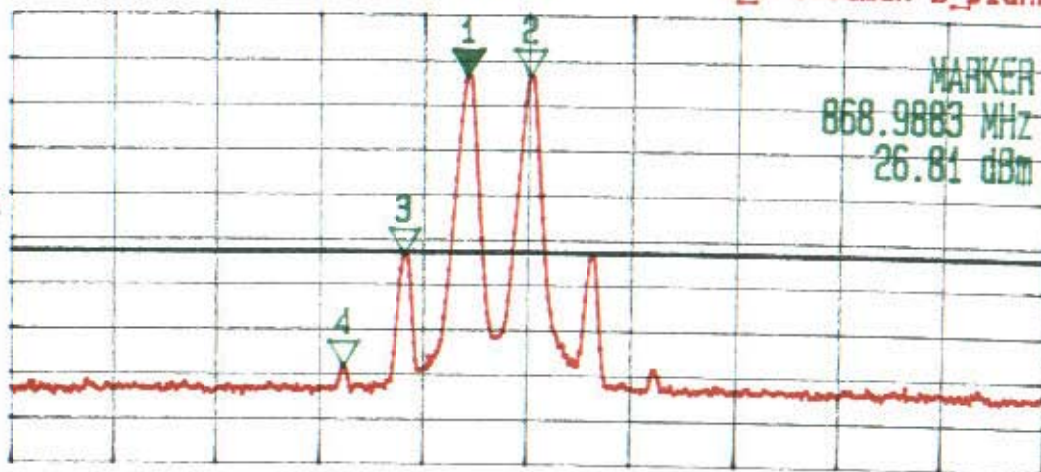
REF 40.0 dBm
10dB/

ATT 20 dB

A_write&max B_blank

MKA
868.9883 MHz

RBW 1 kHz
VBW 1 kHz
SWP 400 ms



CENTER 869.0000 MHz

SPAN 200.0 kHz

RF IN

- ① -55.7 dBm
② -55.8 dBm

*** Multi Marker List ***

No. 1:	868.9883 MHz	26.81 dBm	A
No. 2:	869.0003 MHz	26.81 dBm	A
No. 3:	868.9763 MHz	-13.16 dBm	A
No. 4:	868.9646 MHz	-38.06 dBm	A
No. 5:			
No. 6:			
No. 7:			
No. 8:			
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 3 RF Input signals in 866 - 869 MHz
868.975, 868.9875, 869 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT #186

869 MHz (12.5 kHz Channel Spacing)

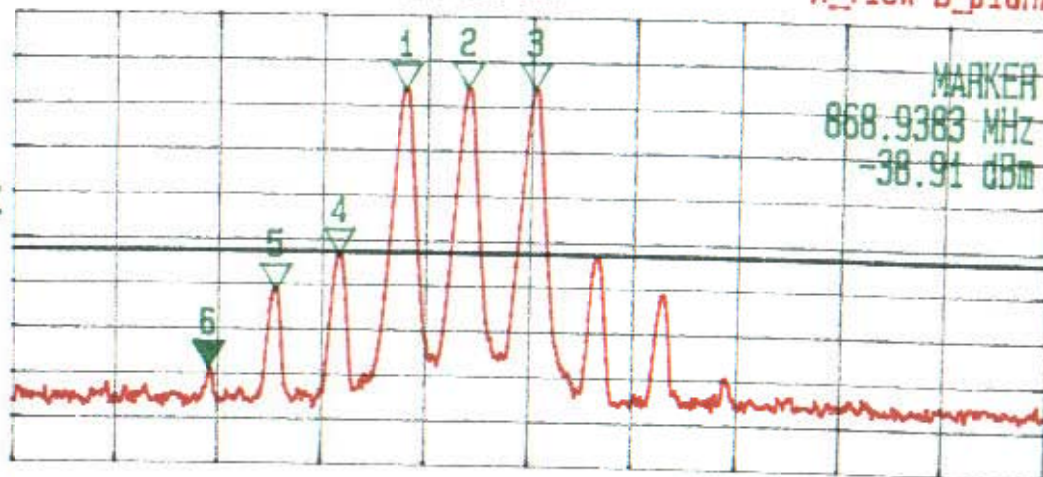
REF 40.0 dBm
10dB/

ATT 20 dB

A_view B_blank

MKR
868.9383 MHz

RBW 1 kHz
VBW 1 kHz
SWP 400 ms



CENTER 869.0000 MHz

SPAN 200.0 kHz

RF IN

- ① -58.4 dBm
- ② -58.5 dBm
- ③ -58.6 dBm

*** Multi Marker List ***

No.1:	868.9757 MHz	23.97 dBm	A
No.2:	868.9877 MHz	24.06 dBm	A
No.3:	869.0006 MHz	24.00 dBm	A
No.4:	868.9631 MHz	-13.06 dBm	A
No.5:	868.9511 MHz	-21.44 dBm	A
No.6:	868.9383 MHz	-38.91 dBm	A
No.7:			
No.8:			
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES
Intermodulation with 4 RF Input signals in 866 – 869 MHz
868.9625, 868.975, 868.9875, 869 MHz

Date: May 30 2001
Tested by: Hung Trinh

PLOT #187

869 MHz (12.5 kHz Channel Spacing)

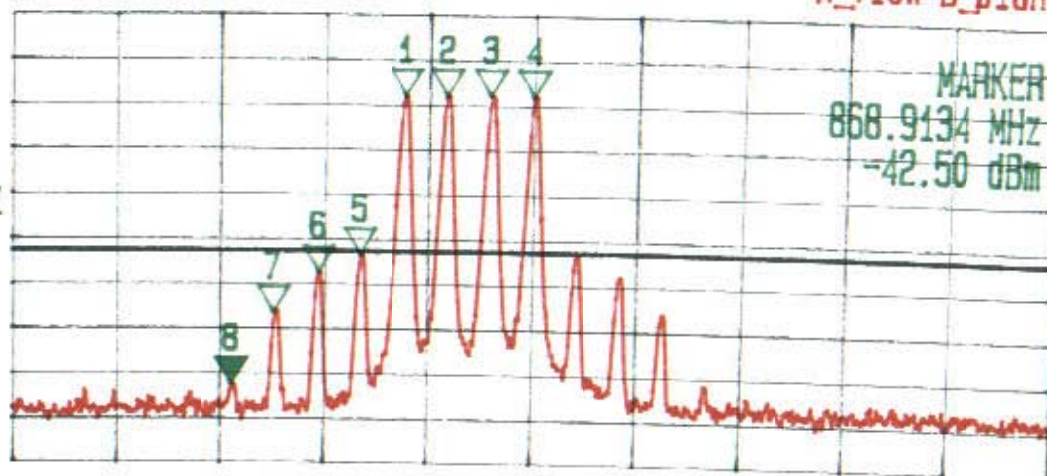
REF 40.0 dBm
10dB/

ATT 20 dB

A_view B_plank

MKR
868.9134 MHz

RBW 1 kHz
VBW 1 kHz
SWP 600 ms



CENTER 869.0000 MHz

SPAN 300.0 kHz

RF IN

- ① -60.3 dBm
- ② -60.4 dBm
- ③ -60.3 dBm
- ④ -60.5 dBm

*** Multi Marker List ***

No.1:	868.9631 MHz	22.13 dBm	A
No.2:	868.9751 MHz	22.13 dBm	A
No.3:	868.9876 MHz	22.16 dBm	A
No.4:	869.0000 MHz	22.00 dBm	A
No.5:	868.9503 MHz	-13.03 dBm	A
No.6:	868.9383 MHz	-17.44 dBm	A
No.7:	868.9254 MHz	-26.47 dBm	A
No.8:	868.9134 MHz	-42.50 dBm	A
Δ:			



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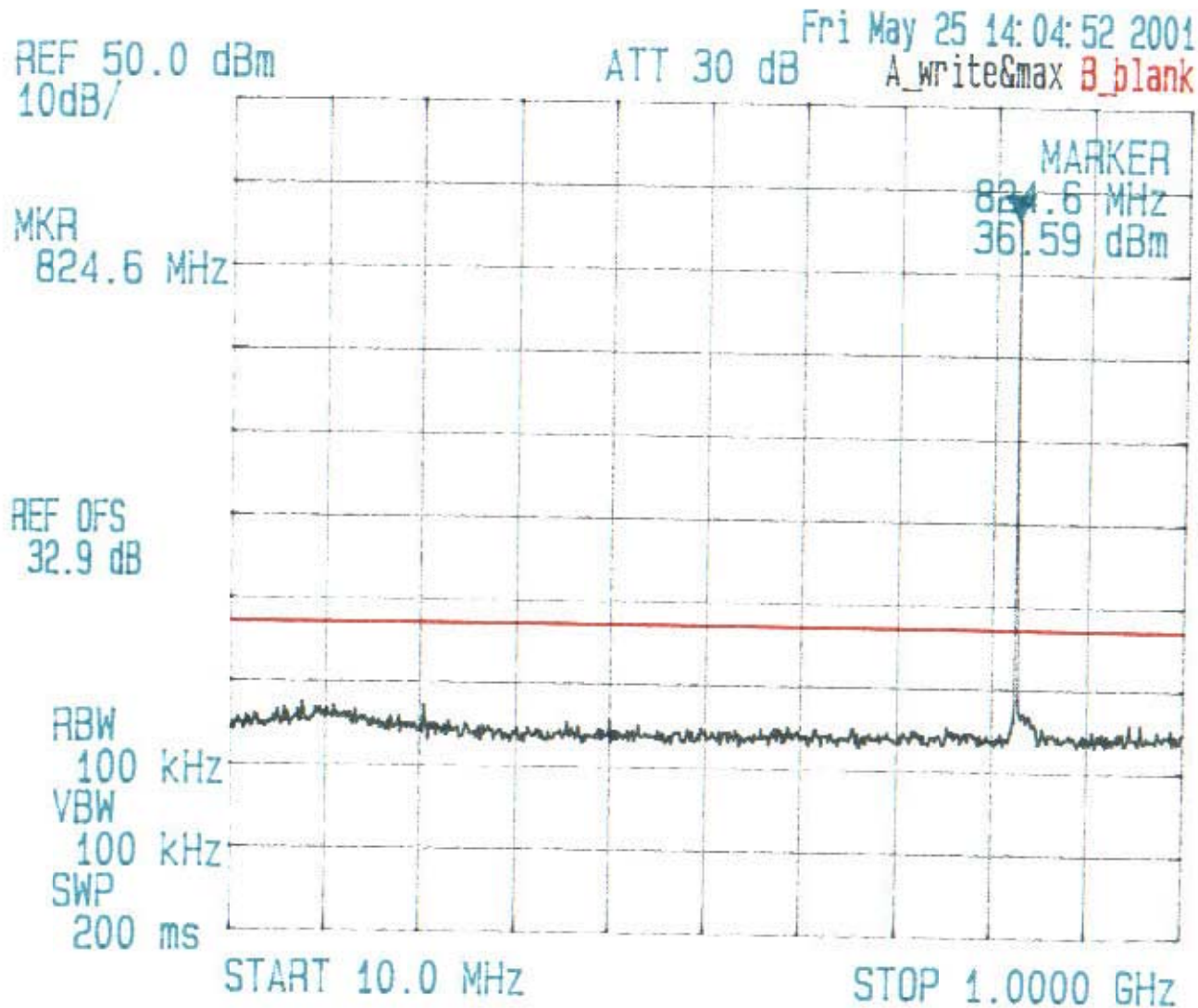
KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 824-849 MHz Output with 1 RF Input Signals
RF In / Out Frequency 824 MHz

RF IN -45 dBm

Date: May 25 2001
Tested by: Hung Trinh

PLOT # 188





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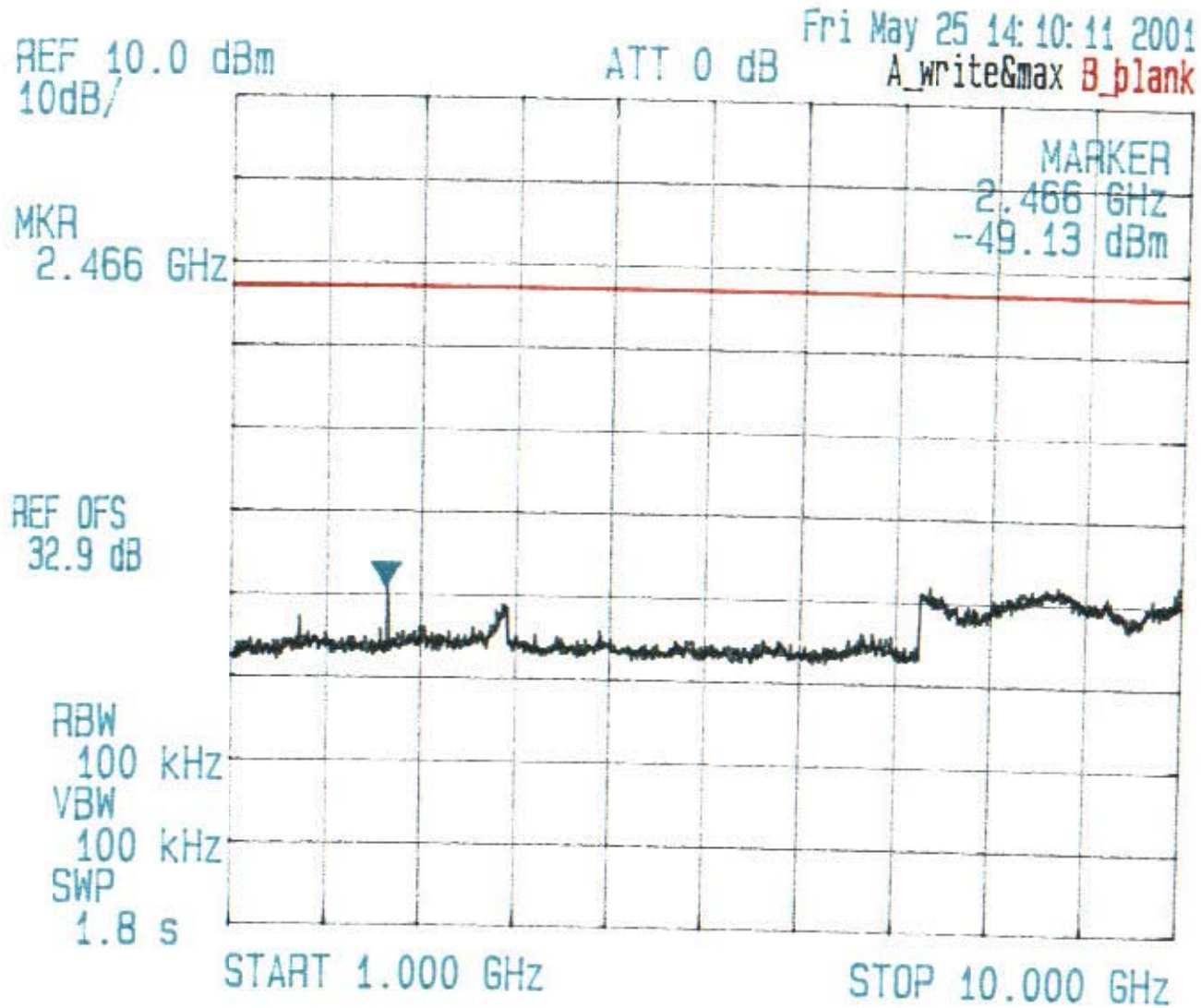
KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 800 - 849 MHz Output with 1 RF Input Signals
RF In / Out Frequency 884 MHz

RF IN - 45 dBm

Date: May 25 2001
Tested by: Hung Trinh

PLOT#189





UltraTech
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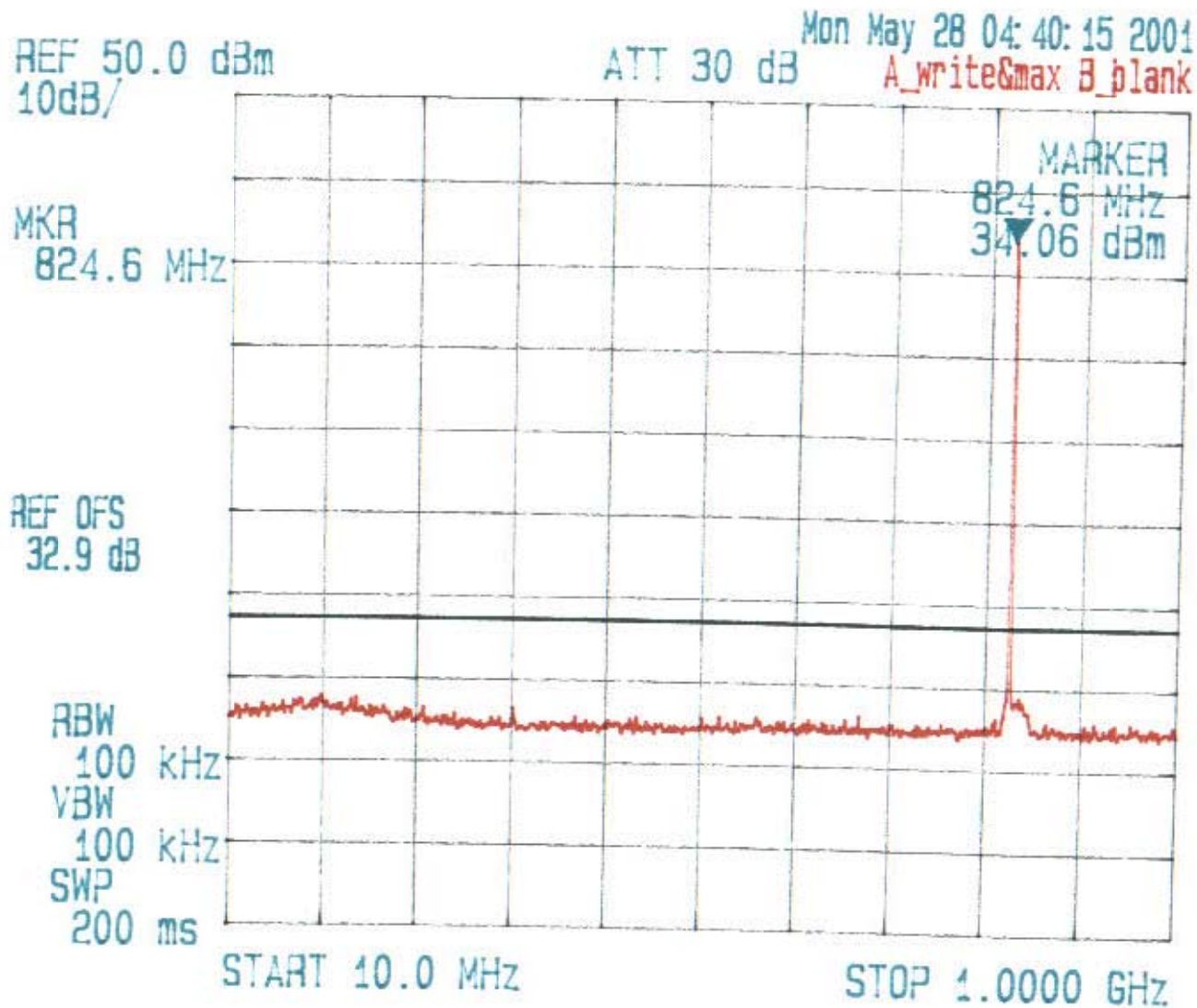
KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES

Spurious Emission @ 824 - 849 MHz Output with 4 RF Input Signals
RF In / Out Frequency 824, 824.03, 824.06, 824.09 MHz

Date: May 28 2001
Tested by: Hung Trinh

PLOT #190

824 MHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 824-849 MHz Output with 4 RF Input Signals
RF In / Out Frequency 824, 824.03, 824.06, 824.09 MHz

Date: May 28 2001
Tested by: Hung Trinh

PLOT # 191

824 MHz

Mon May 28 04:43:52 2001

REF 10.0 dBm
10dB/

ATT 0 dB

A_write&max B_blank

MKR
8.676 GHz

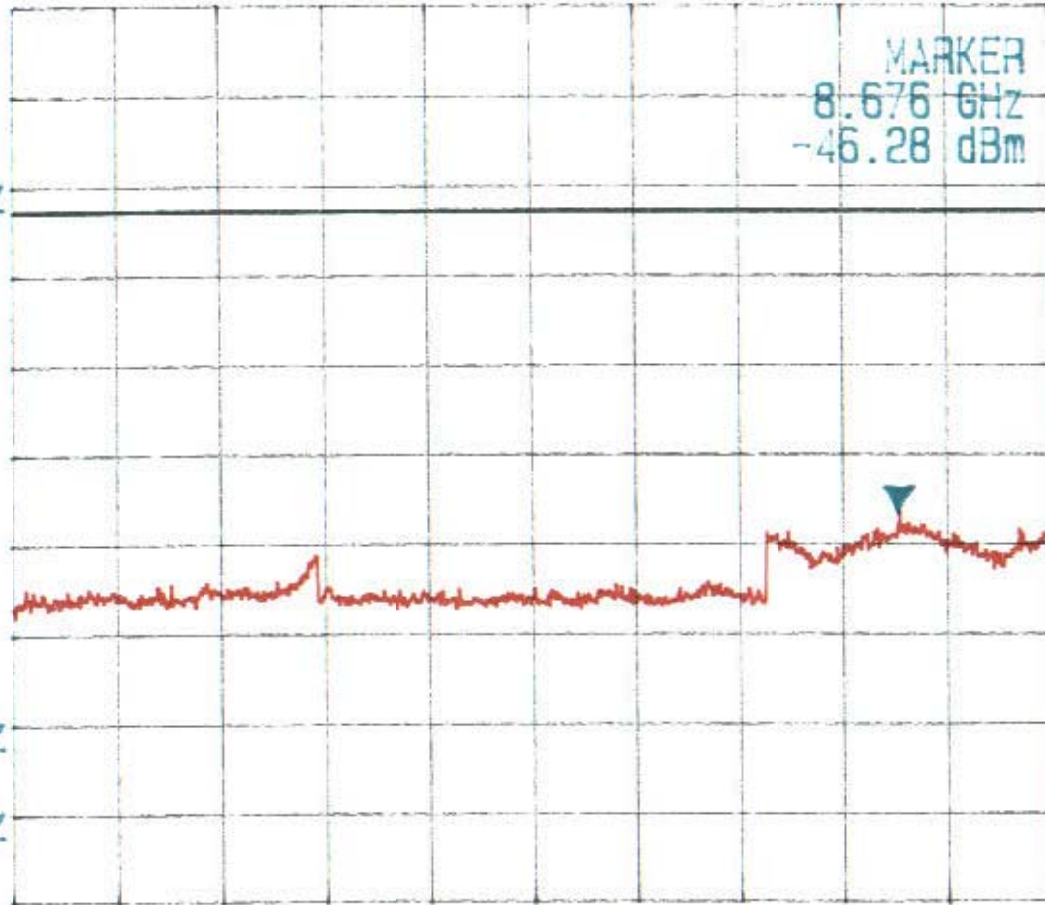
MARKER
8.676 GHz
-46.28 dBm

REF OFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
1.8 s

START 1.000 GHz

STOP 10.000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 834-849 MHz Output with 1 RF Input Signals
RF In / Out Frequency 836.5 MHz

Date: May 25 2001
Tested by: Hung Trinh

PLOT #192

RF IN -45 dBm

Fri May 25 16:16:04 2001

REF 50.0 dBm
10dB/

ATT 30 dB

A_view B_blank

MKR
838.8 MHz

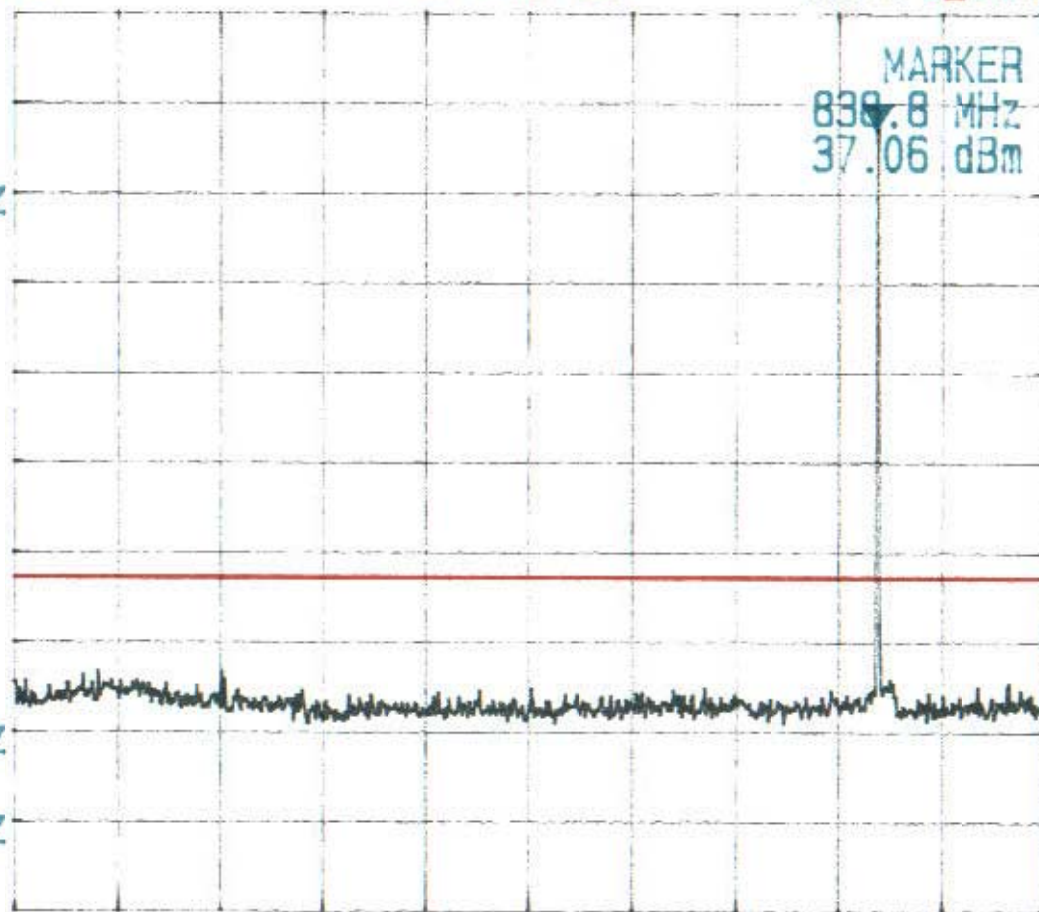
MARKER
838.8 MHz
37.06 dBm

REF OFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
200 ms

START 10 MHz

STOP 1.0000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 844-849 MHz Output with 1 RF Input Signals

RF In / Out Frequency 836.5 MHz

RF IN - 45 dBm

Date: May 05 2001
Tested by: Hung Trinh

PLOT # 193

Fri May 25 16:09:05 2001

REF 10.0 dBm
10dB/

ATT 0 dB

A_write&max B_blank

MKR
2.517 GHz

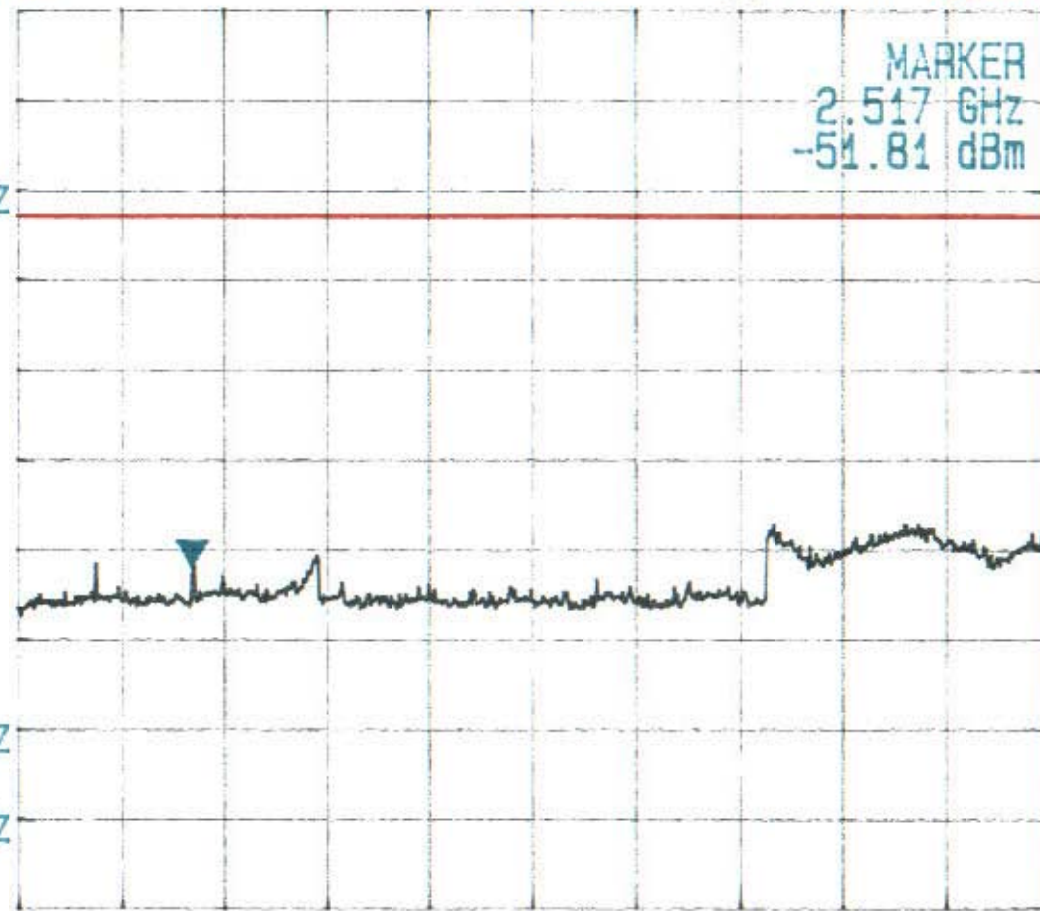
MARKER
2.517 GHz
-51.81 dBm

REF OFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
1.8 s

START 1.000 GHz

STOP 10.000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 834-849 MHz Output with 4 RF Input Signals

RF In / Out Frequency 836.44, 836.47, 836.5, 836.53 MHz

Date: May 28 2001
Tested by: Hung Trinh

PLOT # 194

836.5 MHz

Mon May 28 04:09:20 2001

REF 50.0 dBm
10dB/

ATT 30 dB

A_write&max B_plank

MKR
837.4 MHz

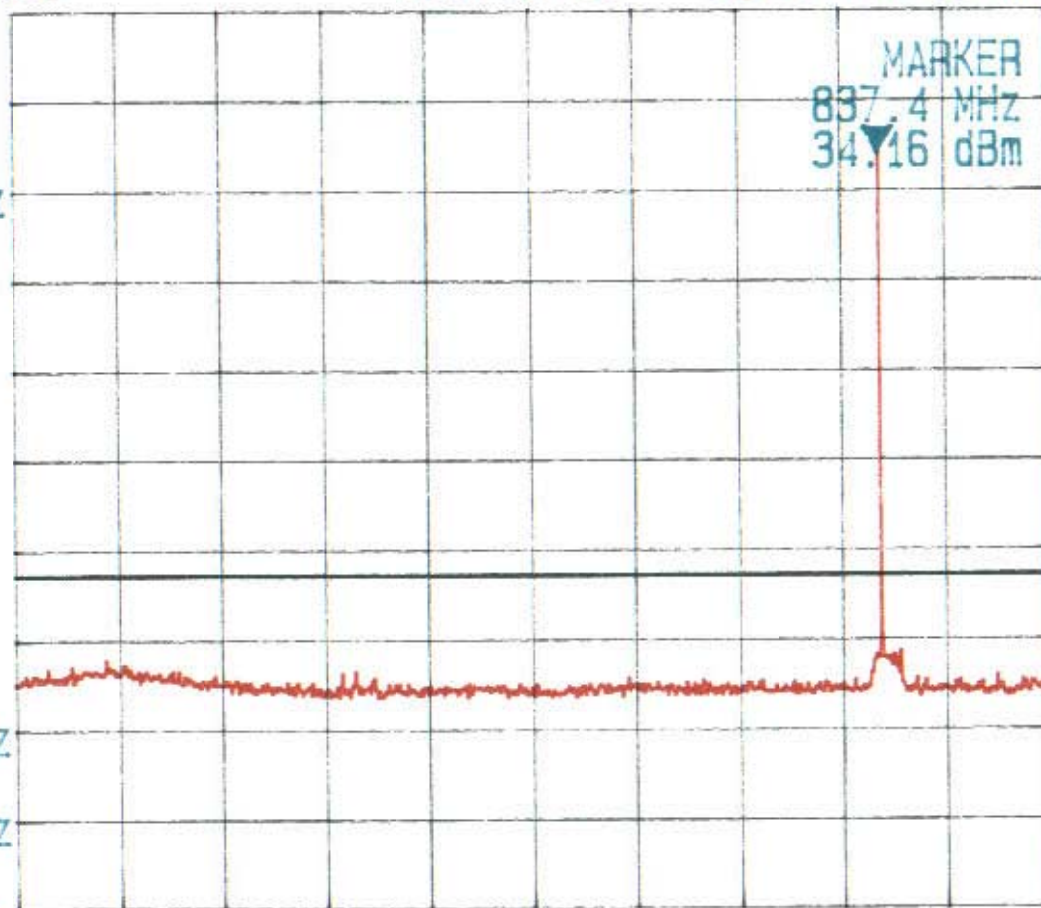
MARKER
837.4 MHz
34.16 dBm

REF OFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
200 ms

START 10.0 MHz

STOP 1.0000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 – 900 MHz AMPLIFIER MODULES

Spurious Emission @ 824 - 849 MHz Output with 4 RF Input Signals
RF In / Out Frequency 836.44, 836.47, 836.5, 836.53 MHz

Date: May 28 2001
Tested by: Hung Trinh

PLOT # 195

836.5 MHz

Mon May 28 03:57:26 2001

REF 10.0 dBm
10dB/

ATT 0 dB

A_write&max B_plank

MKR
8.689 GHz

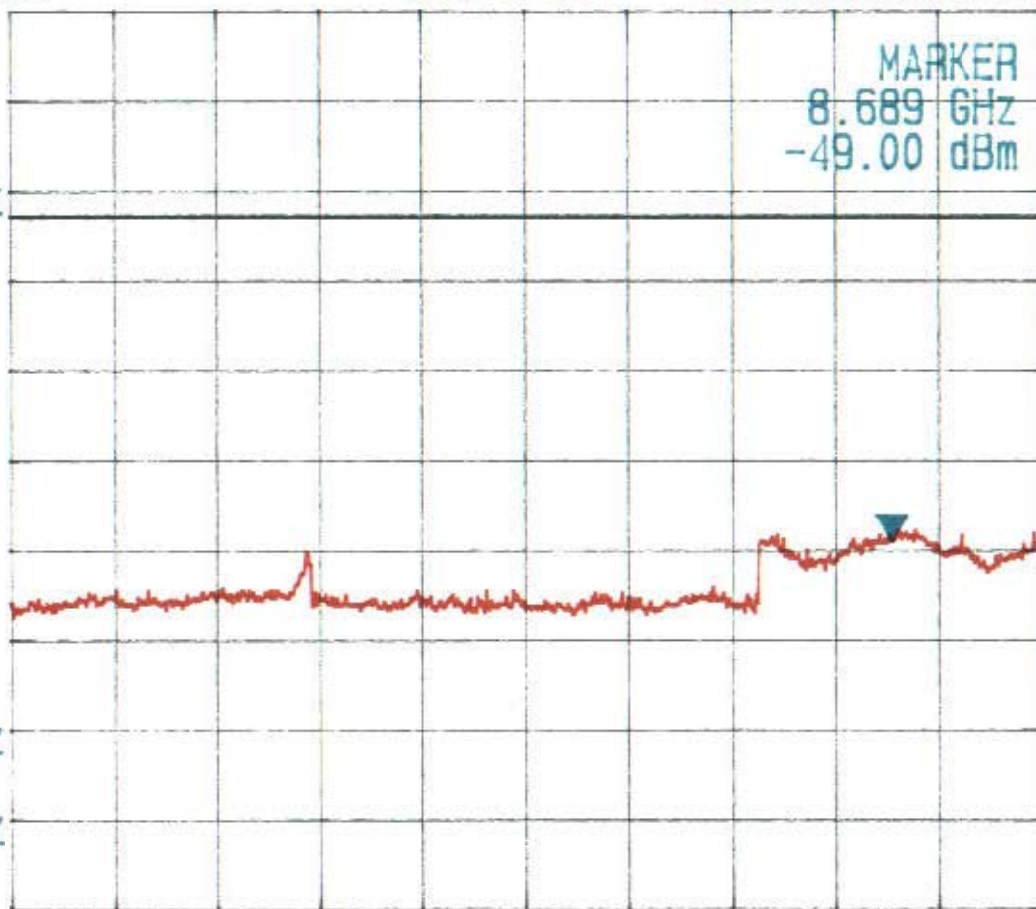
MARKER
8.689 GHz
-49.00 dBm

REF OFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
1.8 s

START 1.000 GHz

STOP 10.000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

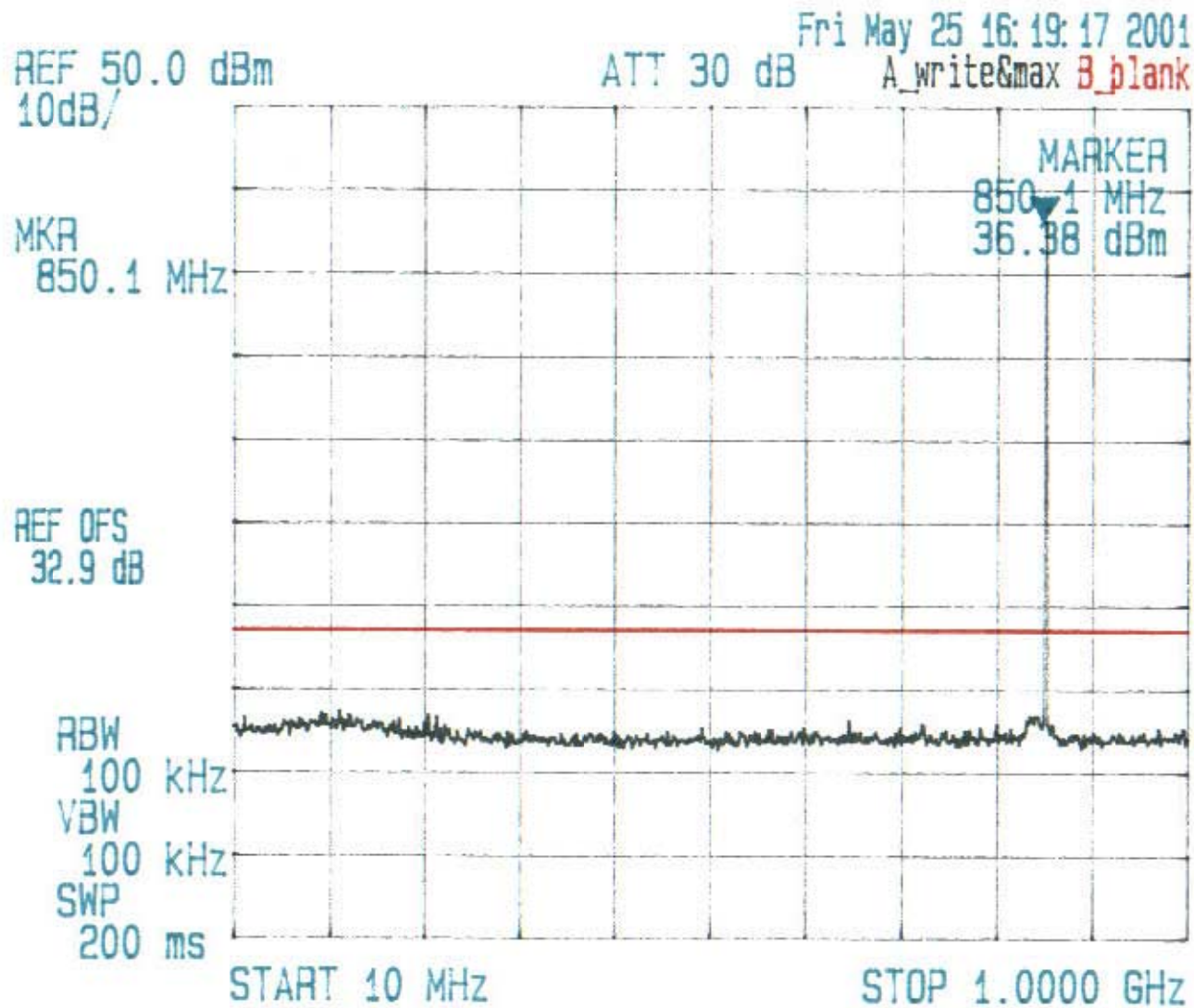
Spurious Emission @ 824-849 MHz Output with RF Input Signals

RF In / Out Frequency 849 MHz

RF IN -45 dBm

Date: May 25 2001
Tested by: Hung Trinh

PLOT #196





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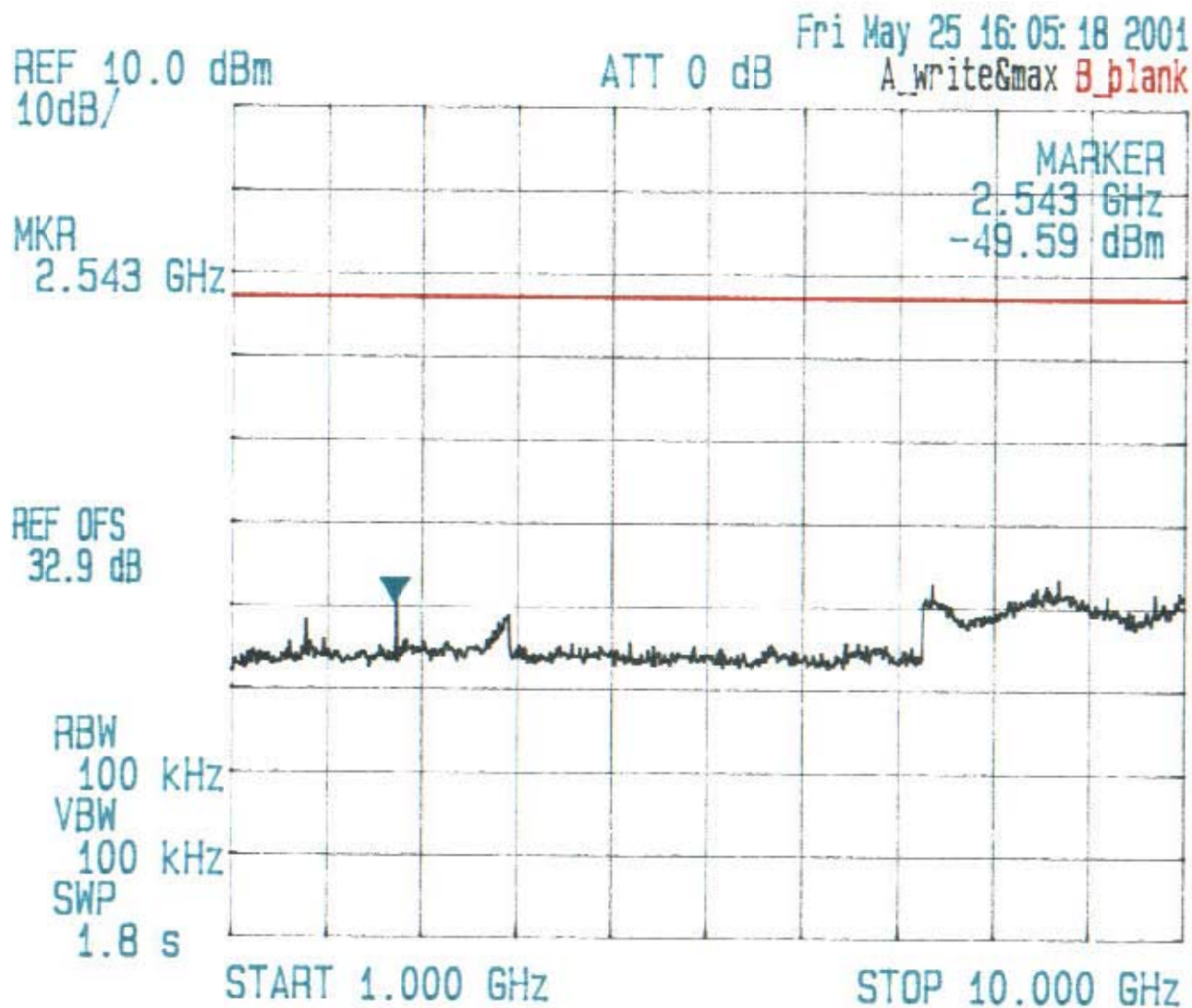
KAVAL WIRELESS TECHNOLOGIES INC.
LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 824-849 MHz Output with 1 RF Input Signals
RF In / Out Frequency 849 MHz

RF IN - 45 dBm

Date: May 25 2001
Tested by: Hung Trinh

PLOT # 197





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 824 - 849 MHz Output with 4 RF Input Signals

RF In / Out Frequency 848.91, 848.94, 848.97, 849 MHz

Date: May 28 2001

Tested by: Hung Trinh

PLOT #198

849 MHz

Mon May 28 03:50:51 2001

REF 50.0 dBm

ATT 30 dB

A_write&max B_blank

10dB/

MKR
850.1 MHz

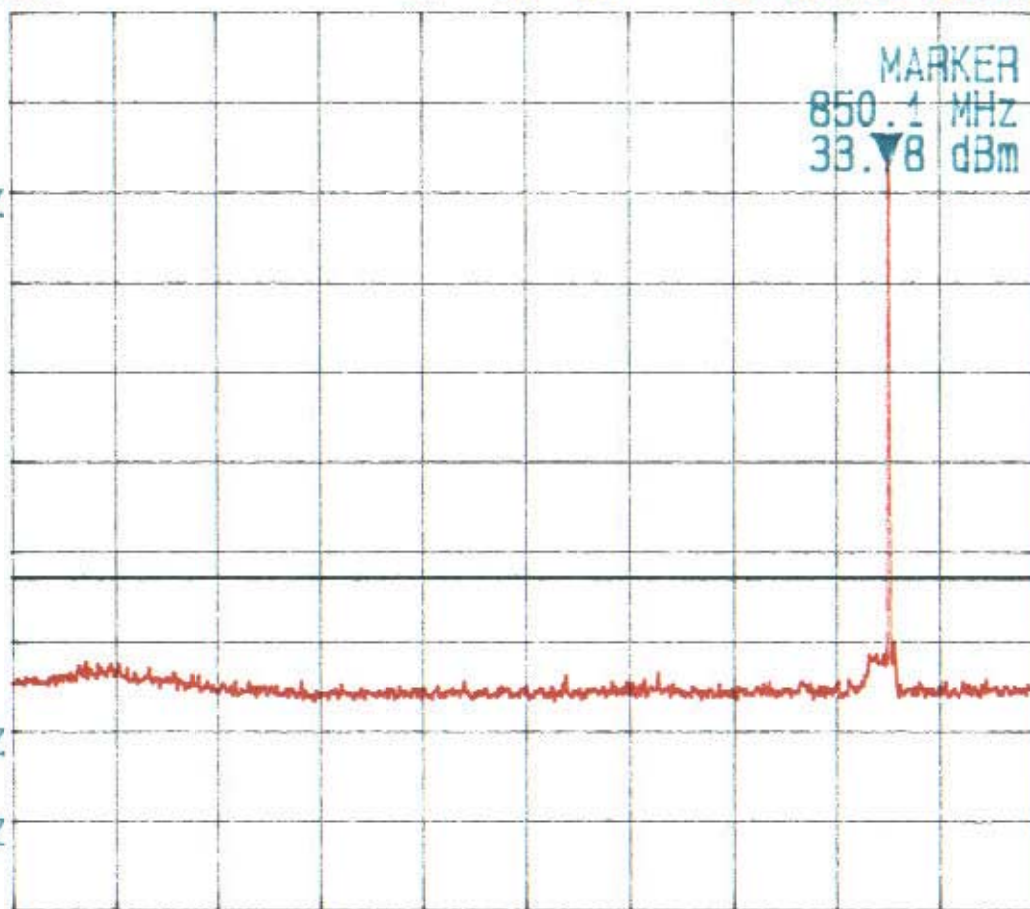
MARKER
850.1 MHz
33.8 dBm

REF DFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
200 ms

START 10.0 MHz

STOP 1.0000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 849-849 MHz Output with 4 RF Input Signals

RF In / Out Frequency 848.91, 848.94, 848.97, 849 MHz

Date: May 28 2001
Tested by: Hung Trinh

PLOT #199

849 MHz

REF 10.0 dBm
10dB/

ATT 0 dB

Mon May 28 03:53:52 2001

A_write&max B_blank

MKR
8.689 GHz

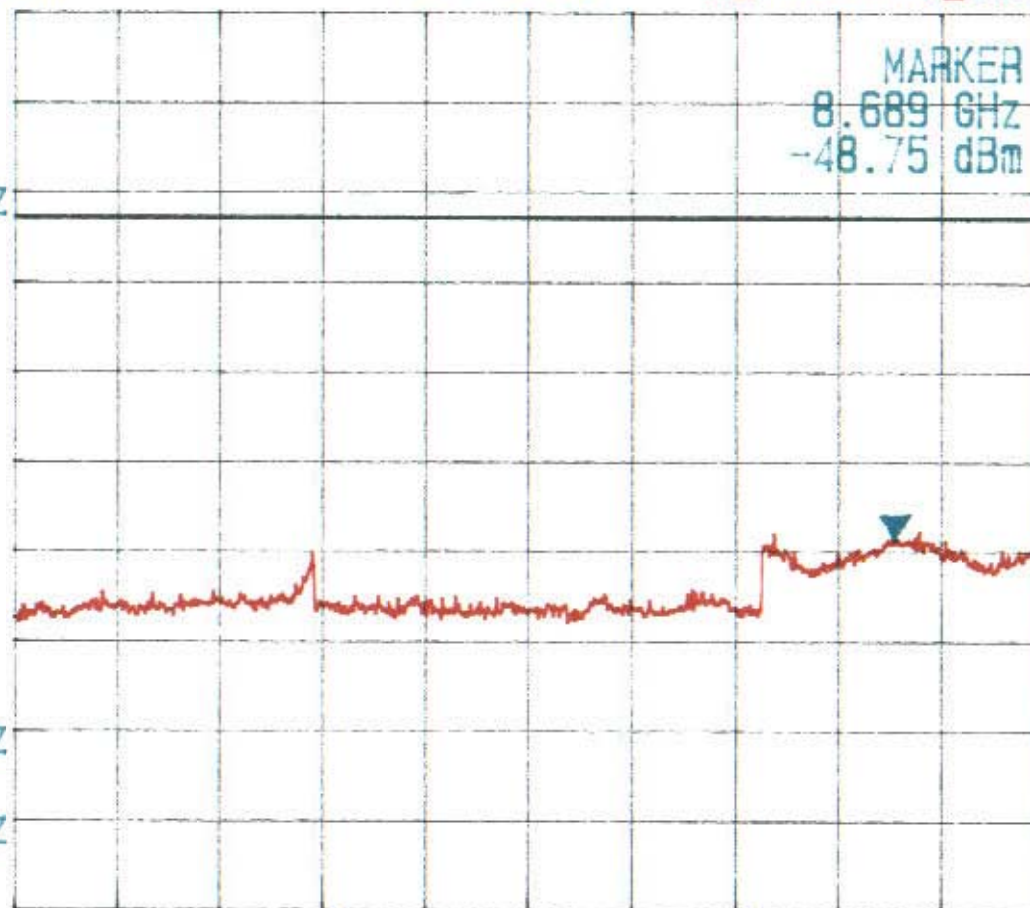
MARKER
8.689 GHz
-48.75 dBm

REF OFS
32.9 dB

RBW
100 kHz
VBW
100 kHz
SWP
1.8 s

START 1.000 GHz

STOP 10.000 GHz





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KAVAL WIRELESS TECHNOLOGIES INC.

LINKNET LNKA 800 RF 800 - 900 MHz AMPLIFIER MODULES

Spurious Emission @ 869-894 MHz Output with 1 RF Input Signals
RF In / Out Frequency 869 MHz

RF IN - 45 dBm

Date: May 25 2001
Tested by: Hung Trinh

PLOT#200

