



UltraTech
Engineering Labs Inc.

KAVAL WIRELESS TECHNOLOGIES INC.

SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01

Spurious Emissions @ Cellular 869 - 894 MHz Output with 3 RF Input Signals

RF In / Out Frequencies 869, 869.05 & 869.10 MHz

Date: May 14 2001
Tested by: Hung Trinh

61

869 MHz

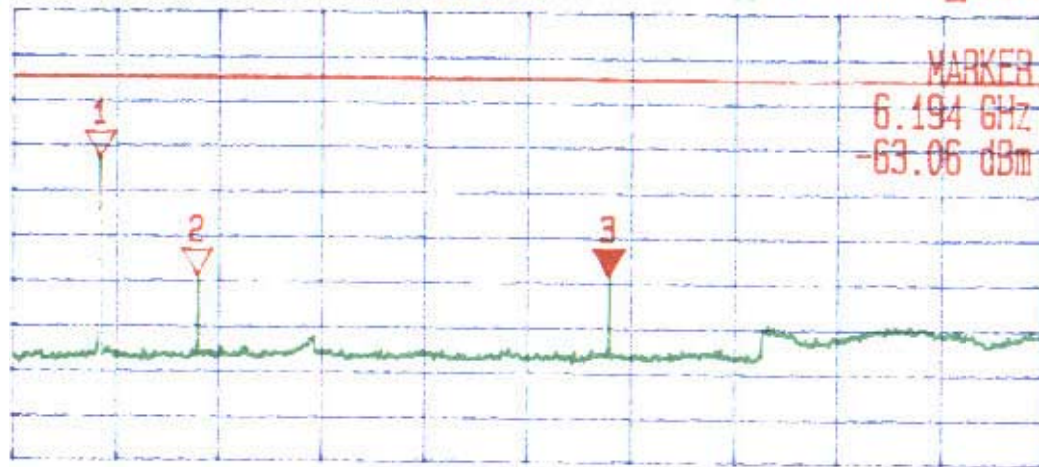
REF -5.0 dBm
10dB/

ATT 0 dB

A_write&max B_blank

MKR
6.194 GHz

RBW 30 kHz
VBW 30 kHz
SWP 20 s



START 1.000 GHz

STOP 10.000 GHz

*** Multi Marker List ***

No.1:	1.746 GHz	-37.88 dBm	A
No.2:	2.594 GHz	-63.63 dBm	A
No.3:	6.194 GHz	-63.06 dBm	A
No.4:			
No.5:			
No.6:			
No.7:			
No.8:			
Δ:			



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Spurious Emissions @ Cellular 869 - 894 MHz Output with 4 RF Input Signals
RF In / Out Frequencies 869, 869.05, 869.10 & 869.15 MHz

Date: May 14 2001
Tested by: Hung Trinh

62

869 MHz

Mon May 14 04:10:14 2001

REF 25.0 dBm
10dB/

ATT 30 dB

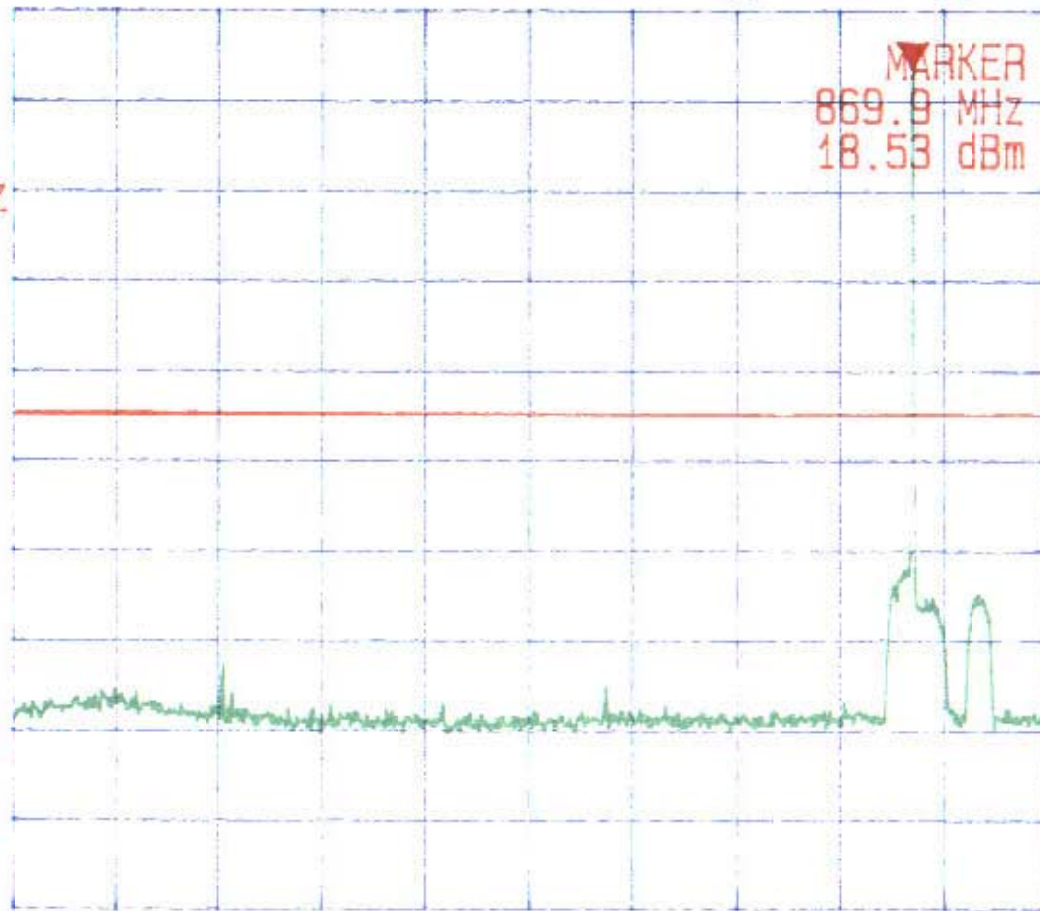
A_write&max B_blank

MKR
869.9 MHz

MARKER
869.9 MHz
18.53 dBm

REF OFS
11.3 dB

RBW
30 kHz
VBW
30 kHz
SWP
3.0 s



START 10 MHz

STOP 1.0000 GHz



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Date: May 14 2001
Tested by: Hung Trinh

63

869 MHz

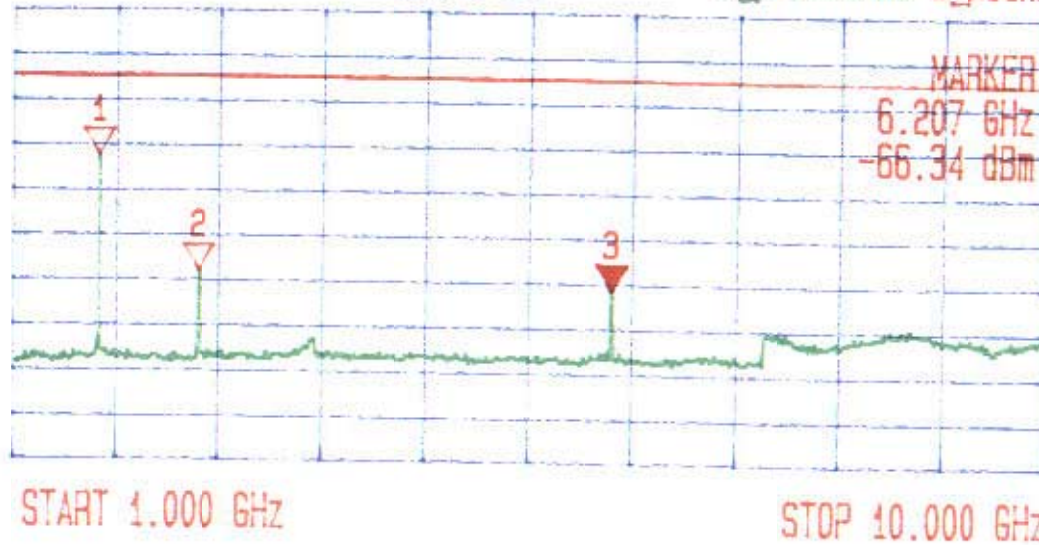
REF -5.0 dBm
10dB/

ATT 0 dB

A_write&max B_plank

MKR
6.207 GHz

RBW 30 kHz
VBW 30 kHz
SWP 20 s



*** Multi Marker List ***

No.1:	1.733 GHz	-37.31 dBm	A
No.2:	2.607 GHz	-62.84 dBm	A
No.3:	6.207 GHz	-66.34 dBm	A
No.4:			
No.5:			
No.6:			
No.7:			
No.8:			
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Spurious Emissions @ 869-894 MHz Output with 1 RF Input Signal
RF In / Out Frequency 881.5 MHz

Date: May 25 2001
Tested by: Hung Trinh

64

RF IN 0 dBm

Fri May 25 06:11:18 2001

REF 40.0 dBm
10dB/

ATT 40 dB

A_write&max B_blank

MKR
882.6 MHz

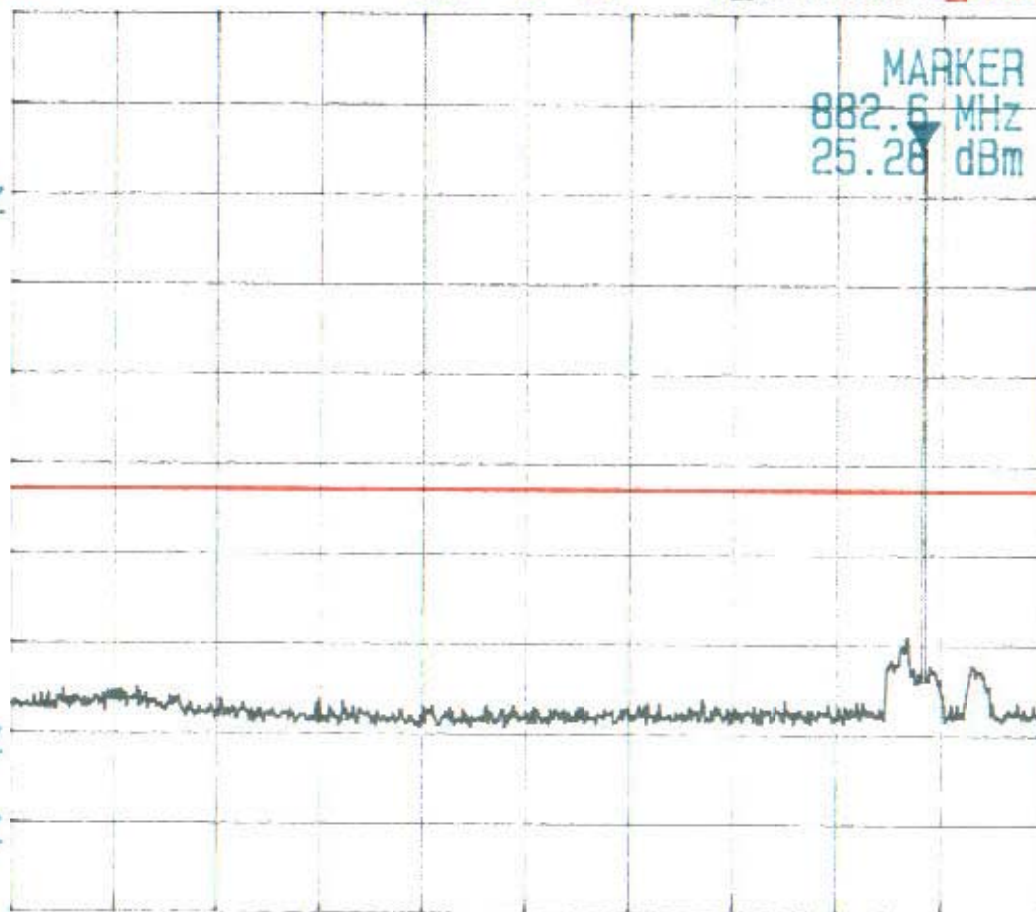
MARKER
882.6 MHz
25.28 dBm

REF OFS
11.3 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.

SATELLINK RF – FIBER INTERFACE MODULES, MODEL LNKFIB-R01

Spurious Emissions @ 869.894 MHz Output with 1 RF Input Signal

RF In / Out Frequency 881.5 MHz

Date: June 11 2001
Tested by: Hung Trinh

65

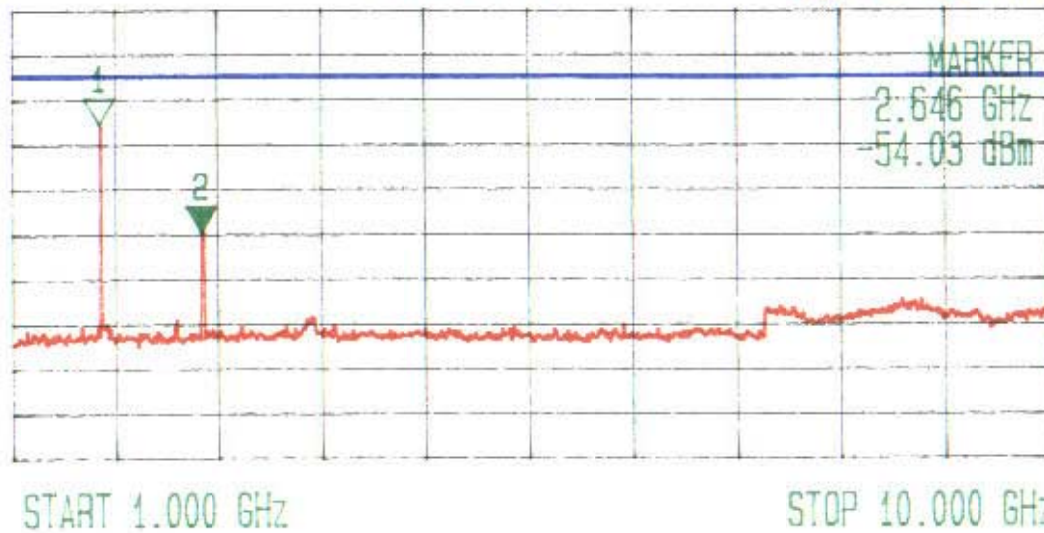
REF -5.0 dBm
10dB/

ATT 0 dB

A_view B_blank

MKR
2.646 GHz

RBW 100 kHz
VBW 100 kHz
SWP 1.8 s



*** Multi Marker List ***

No.1:	1.759 GHz	-30.03 dBm	A
No.2:	2.646 GHz	-54.03 dBm	A
No.3:			
No.4:			
No.5:			
No.6:			
No.7:			
No.8:			
Δ:			



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KAVAL WIRELESS TECHNOLOGIES INC.
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Spurious Emissions @ Cellular 869 - 894 MHz Output with 2 RF Input Signals
RF In / Out Frequencies 881.475 & 881.525 MHz

Date: May ____ 2001
Tested by: Hung Trinh

66

881.5 MHz

Sun May 13 12:13:20 2001

REF 25.0 dBm
10dB/

ATT 30 dB

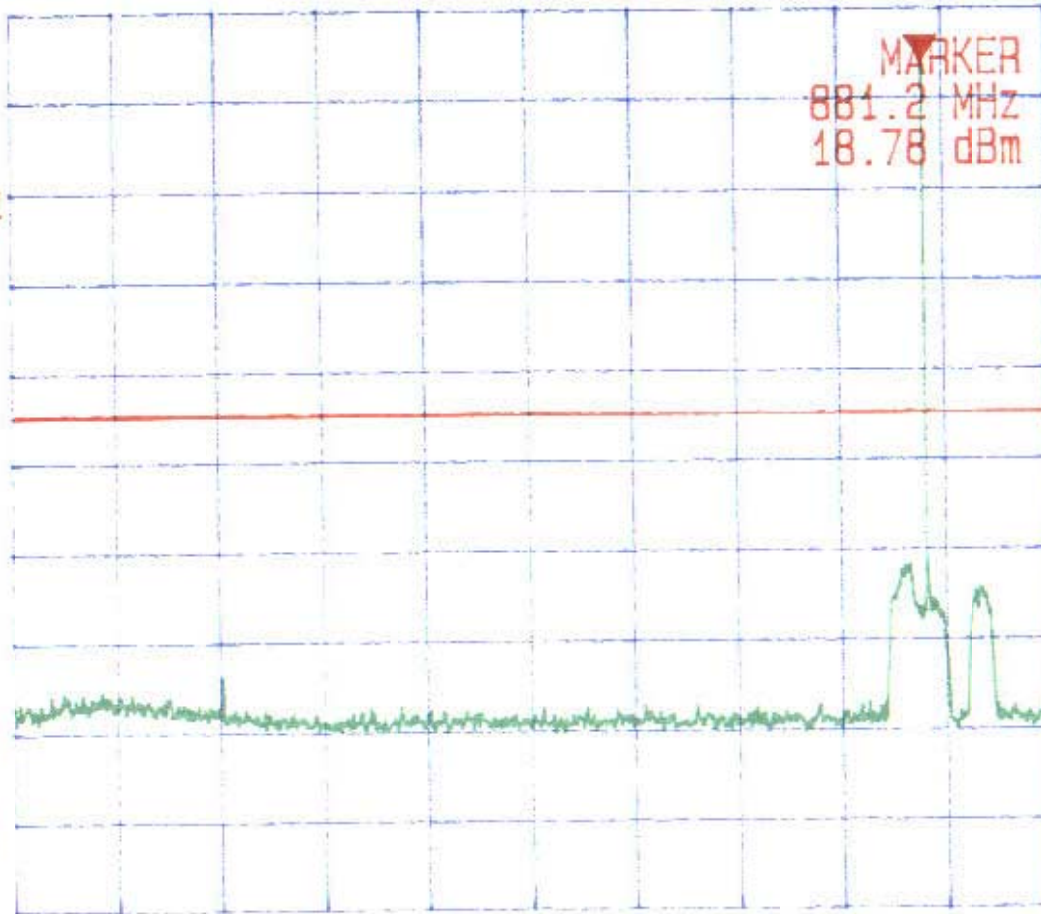
A_write&max B_blank

MKR
881.2 MHz

MARKER
881.2 MHz
18.78 dBm

REF OFS
11.3 dB

RBW
30 kHz
VBW
30 kHz
SWP
3.0 s



START 10 MHz

STOP 1.0000 GHz

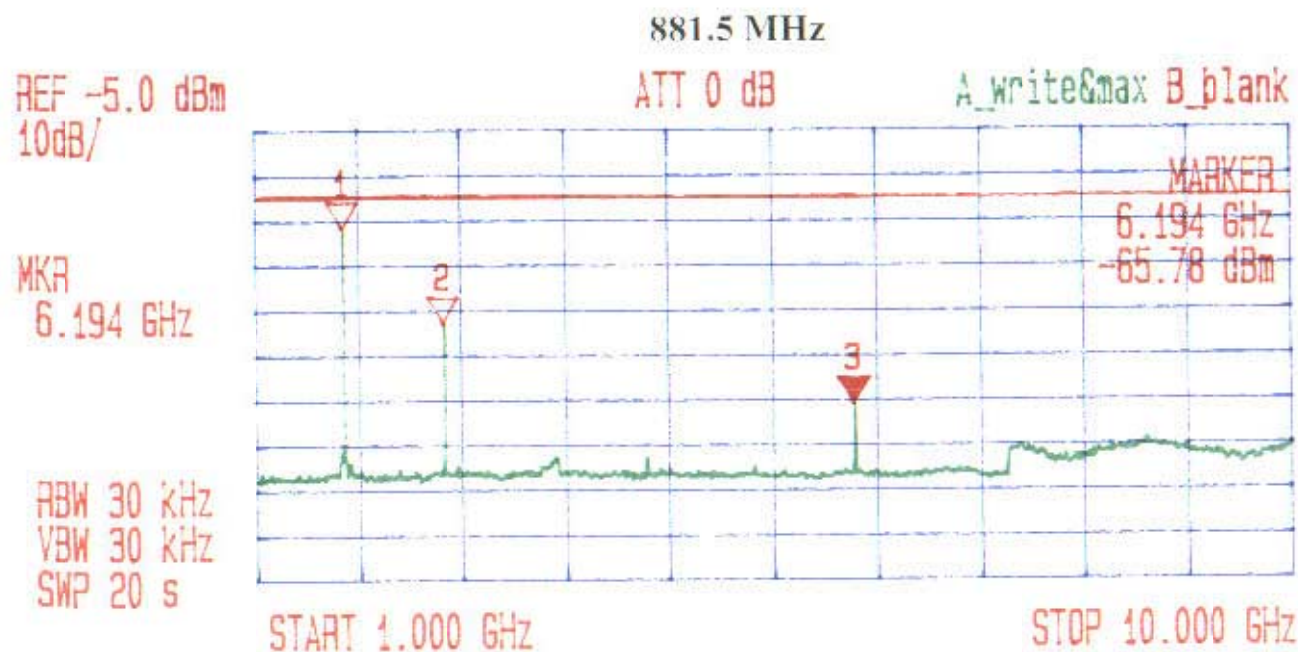


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Spurious Emissions @ Cellular 869 - 894 MHz Output with 2 RF Input Signals
RF In / Out Frequencies 881.475 & 881.525 MHz

Date: May ____ 2001
Tested by: Hung Trinh

67



*** Multi Marker List ***

No.1:	1.759 GHz	-26.84 dBm	A
No.2:	2.633 GHz	-47.97 dBm	A
No.3:	6.194 GHz	-65.78 dBm	A
No.4:			
No.5:			
No.6:			
No.7:			
No.8:			
Δ:			



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SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01
Spurious Emissions @ Cellular 869 - 894 MHz Output with 3 RF Input Signals
RF In / Out Frequencies 881.45, 881.50 & 881.55 MHz

Date: May 14 2001
Tested by: Hung Trinh

68

881.5 MHz

Mon May 14 03:21:33 2001

ATT 30 dB

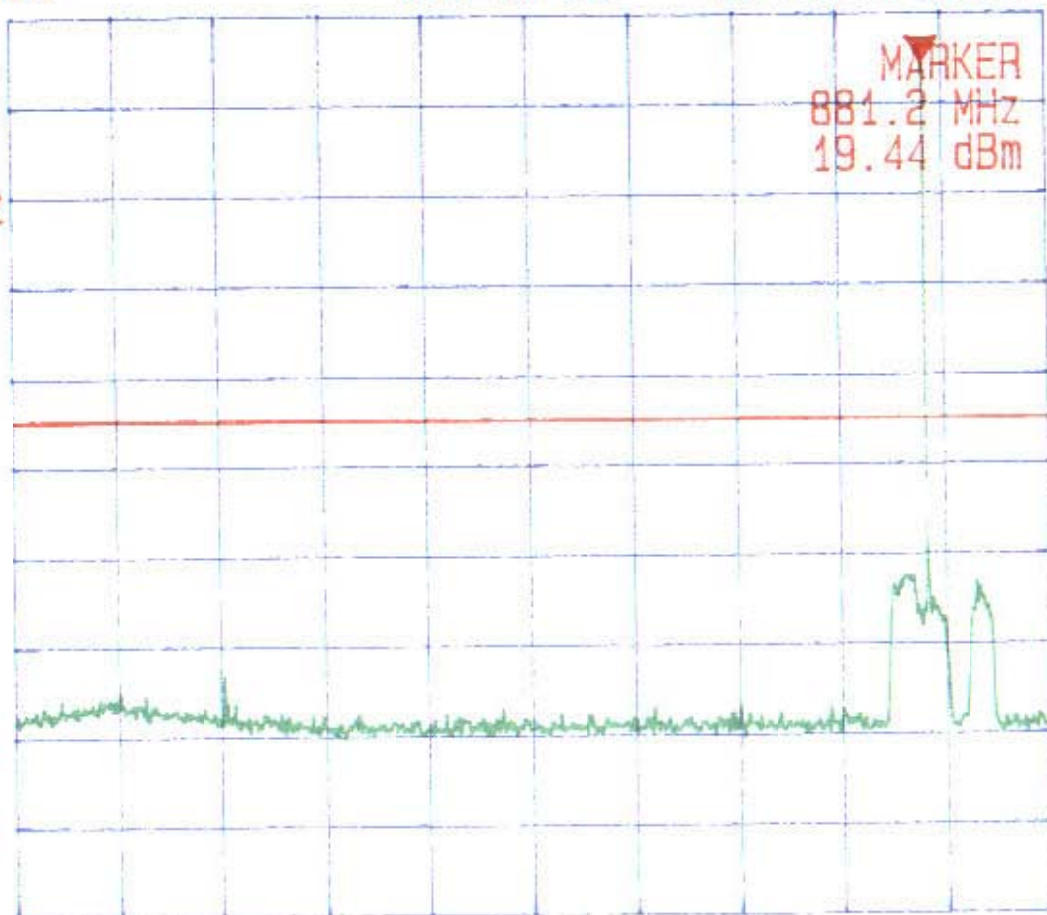
A_write&max B_blank

REF 25.0 dBm
10dB/

MKR
881.2 MHz

REF OFS
11.3 dB

RBW
30 kHz
VBW
30 kHz
SWP
3.0 s



START 10 MHz

STOP 1.0000 GHz



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Spurious Emissions @ Cellular 869 - 894 MHz Output with 3 RF Input Signals
RF In / Out Frequencies 881.45, 881.50 & 881.55 MHz

Date: May 14, 2001
Tested by: Hung Trinh

69

881.5 MHz

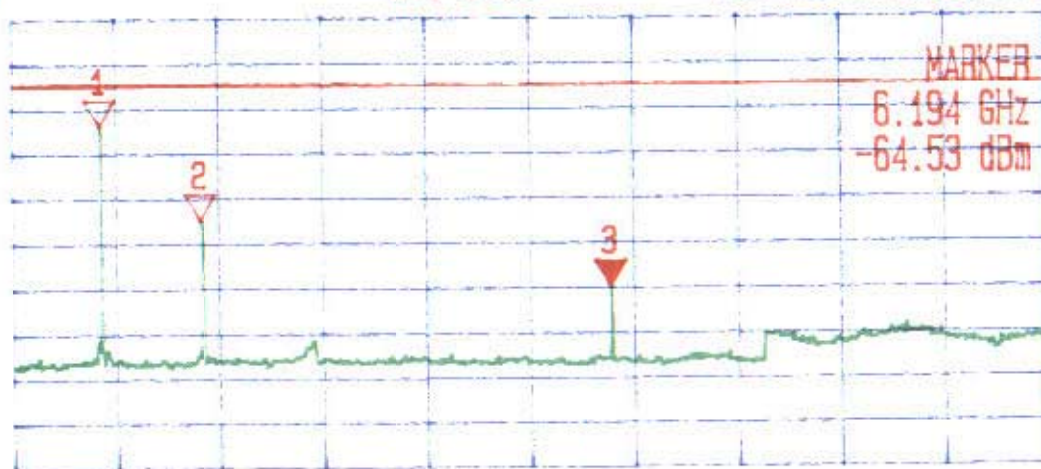
REF -5.0 dBm
10dB/

ATT 0 dB

A_write&max B_blank

MKR
6.194 GHz

RBW 30 kHz
VBW 30 kHz
SWP 20 s



START 1.000 GHz

STOP 10.000 GHz

*** Multi Marker List ***

No. 1:	1.759 GHz	-28.84 dBm	A
No. 2:	2.633 GHz	-49.53 dBm	A
No. 3:	6.194 GHz	-64.53 dBm	A
No. 4:			
No. 5:			
No. 6:			
No. 7:			
No. 8:			
Δ:			



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Spurious Emissions @ Cellular 869 - 894 MHz Output with 4 RF Input Signals

RF In / Out Frequencies 881.40, 881.45, 881.50 & 881.55 MHz

Date: May 14 2001

Tested by: Hung Trinh

70

881.5 MHz

