

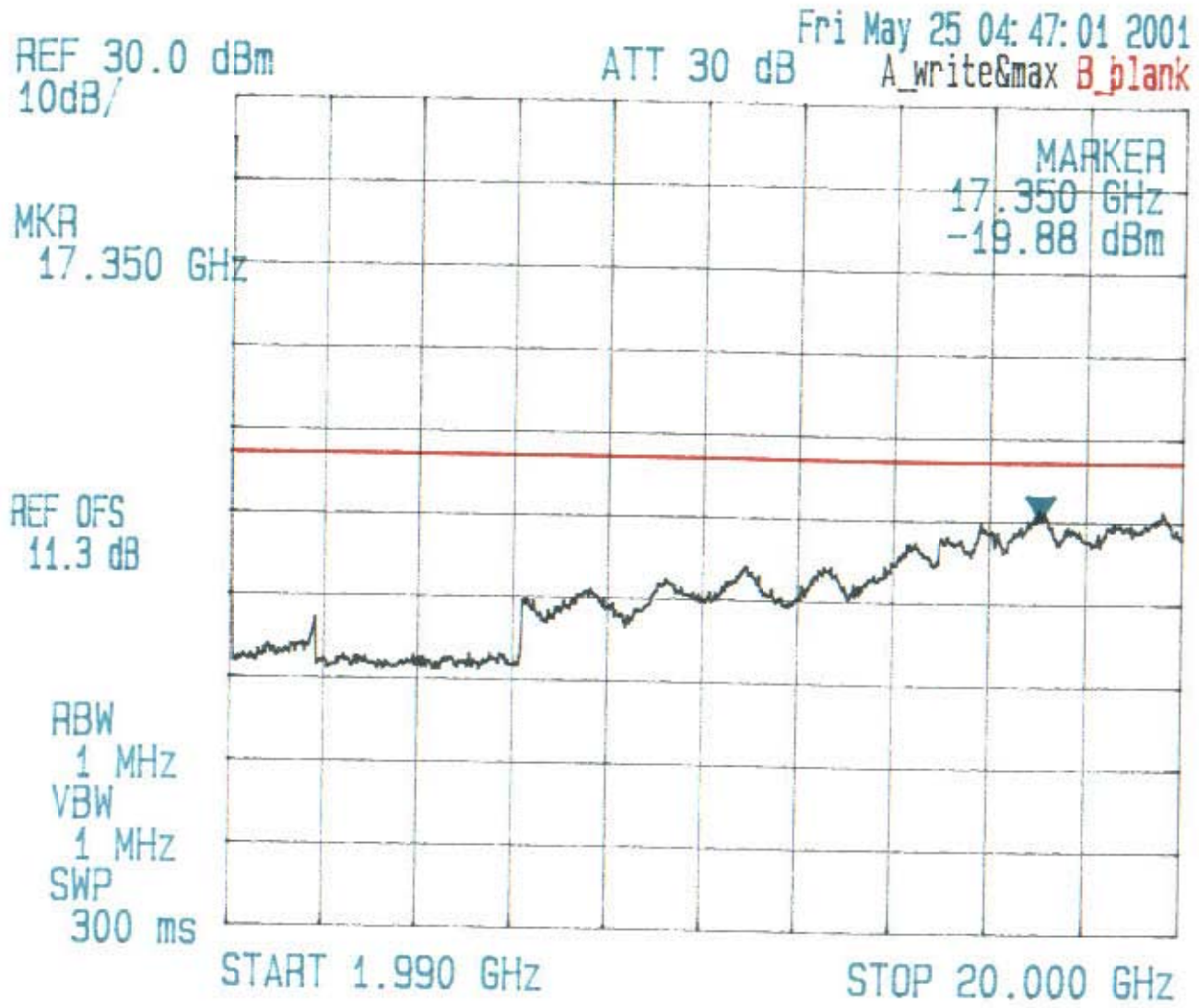


**UltraTech**  
Engineering Labs Inc.

KAVAL WIRELESS TECHNOLOGIES INC.  
SATELLINK RF - FIBER INTERFACE MODULES, MODEL LNKFIB-R01  
Spurious Emissions @ 1930-1990 MHz Output with 1 RF Input Signal  
RF In / Out Frequency 1939 MHz

Date: May 25 2001  
Tested by: Hung Trinh

51



*Plot 52*

1990 MHz

Sun May 13 09:52:42 2001

REF 35.0 dBm  
10dB/

ATT 40 dB

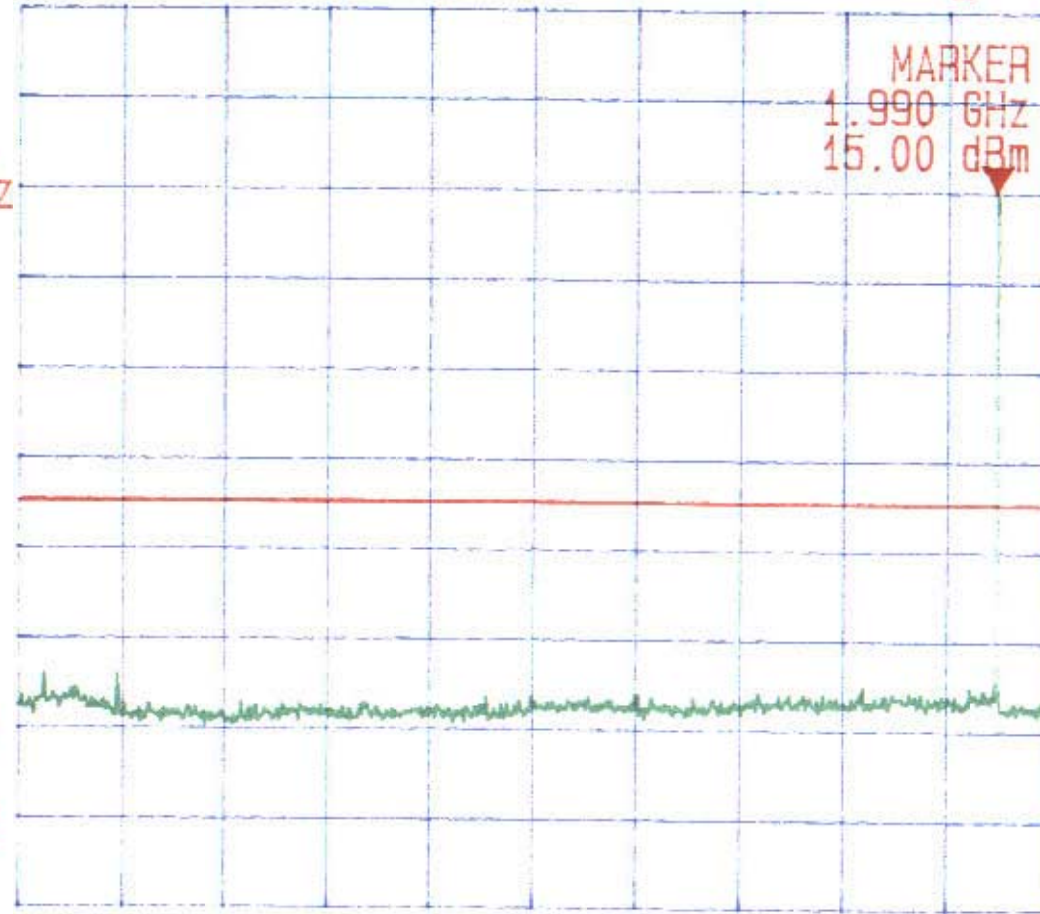
A\_write&max B\_blank

MKR  
1.990 GHz

MARKER  
1.990 GHz  
15.00 dBm

REF OFS  
11.3 dB

RBW  
30 kHz  
VBW  
30 kHz  
SWP  
5.0 s



START 10 MHz

STOP 2.100 GHz



**UltraTech**  
Engineering Labs Inc.

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 1989.95 & 1990 MHz

Date: May \_\_\_\_ 2001  
Tested by: Hung Trinh

Plot # 53

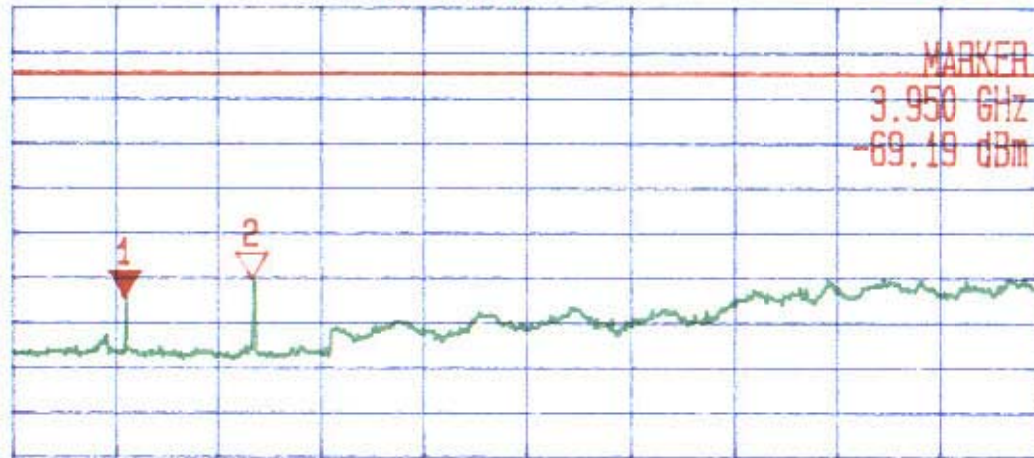
1990 MHz

REF -5.0 dBm  
10dB/

ATT 0 dB

A\_view B\_blank

MKR  
3.950 GHz



RBW 30 kHz  
VBW 30 kHz  
SWP 50 s

START 1.995 GHz

STOP 20.000 GHz

\*\*\* Multi Marker List \*\*\*

No. 1:	3.950 GHz	-69.19 dBm	A
No. 2:	6.188 GHz	-65.22 dBm	A
No. 3:			
No. 4:			
No. 5:			
No. 6:			
No. 7:			
No. 8:			
Δ:			

Plot # 59

1990 MHz

Sun May 13 10:57:56 2001

REF 35.0 dBm  
10dB/

ATT 40 dB

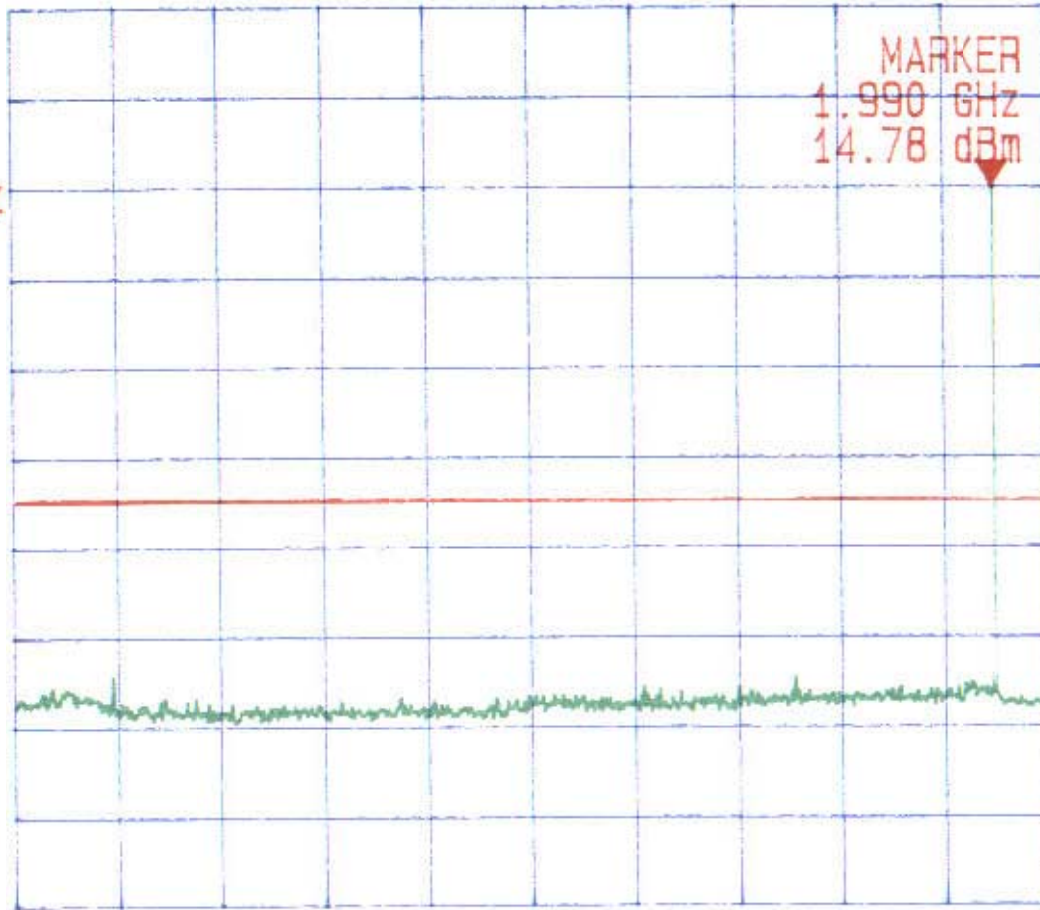
A\_write&max B\_blank

MKR  
1.990 GHz

MARKER  
1.990 GHz  
14.78 dBm

REF OFS  
11.3 dB

RBW  
30 kHz  
VBW  
30 kHz  
SWP  
5.0 s



START 10 MHz

STOP 2.100 GHz

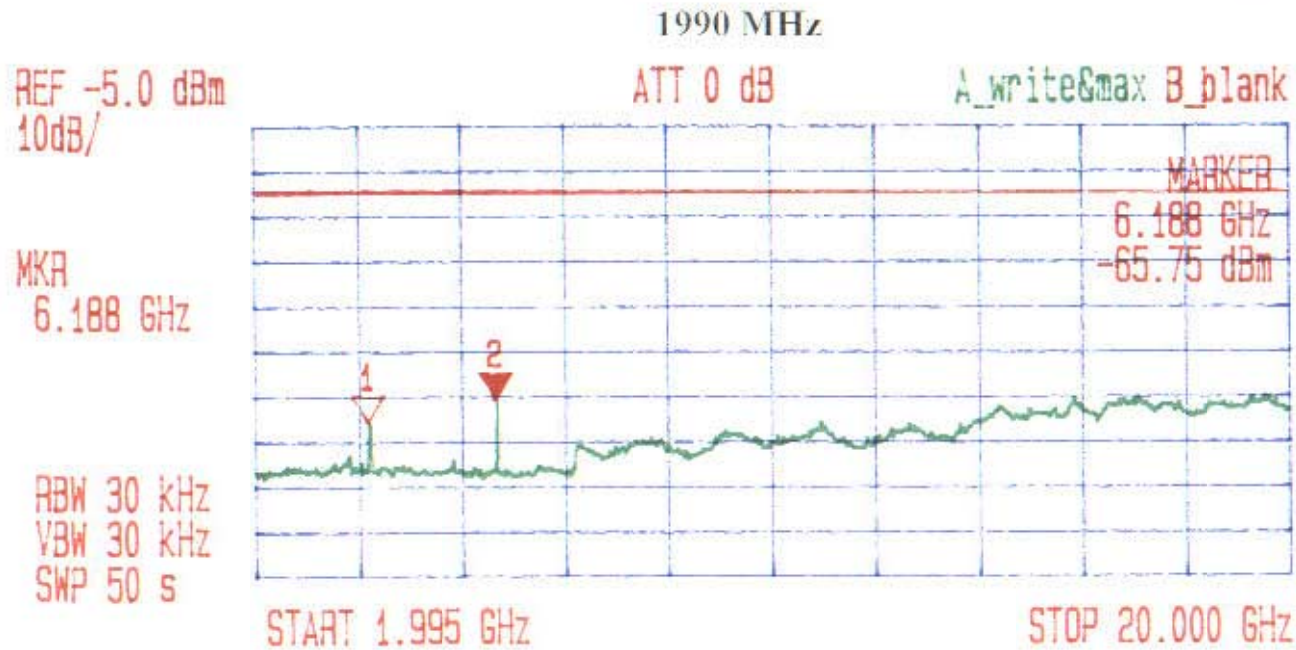


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KAVAL WIRELESS TECHNOLOGIES INC.  
SATELLINK RF – FIBER INTERFACE MODULES, MODEL LNKFIB-R01  
Spurious Emissions @ PCS 1930 – 1990 MHz Output with 3 RF Input Signals  
RF In / Out Frequencies 1989.90, 1989.95 & 1990 MHz

Date May 13, 2001  
Tested by: Hung Trinh

55



\*\*\* Multi Marker List \*\*\*

No. 1:	3.950 GHz	-70.94 dBm	A
No. 2:	6.188 GHz	-65.75 dBm	A
No. 3:			
No. 4:			
No. 5:			
No. 6:			
No. 7:			
No. 8:			
Δ:			



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Engineering Labs Inc.

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 869 MHz

*RF IN = 0 dbm*

Date: May 25 2001  
Tested by: Hung Trinh

*56*

Fri May 25 06:01:23 2001

REF 40.0 dBm  
10dB/

ATT 40 dB

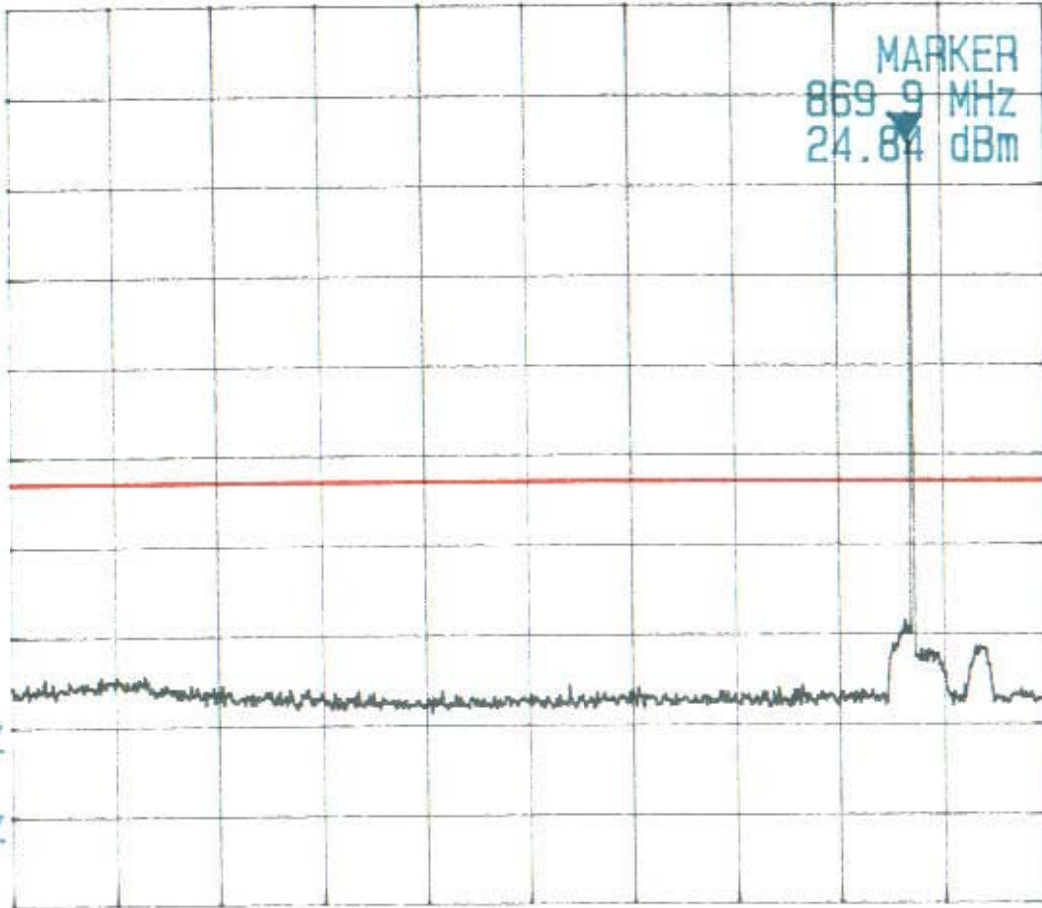
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MKR  
869.9 MHz

MARKER  
869.9 MHz  
24.84 dBm

REF OFS  
11.3 dB

RBW  
100 kHz  
VBW  
100 kHz  
SWP  
200 ms



START 10 MHz

STOP 1.0000 GHz

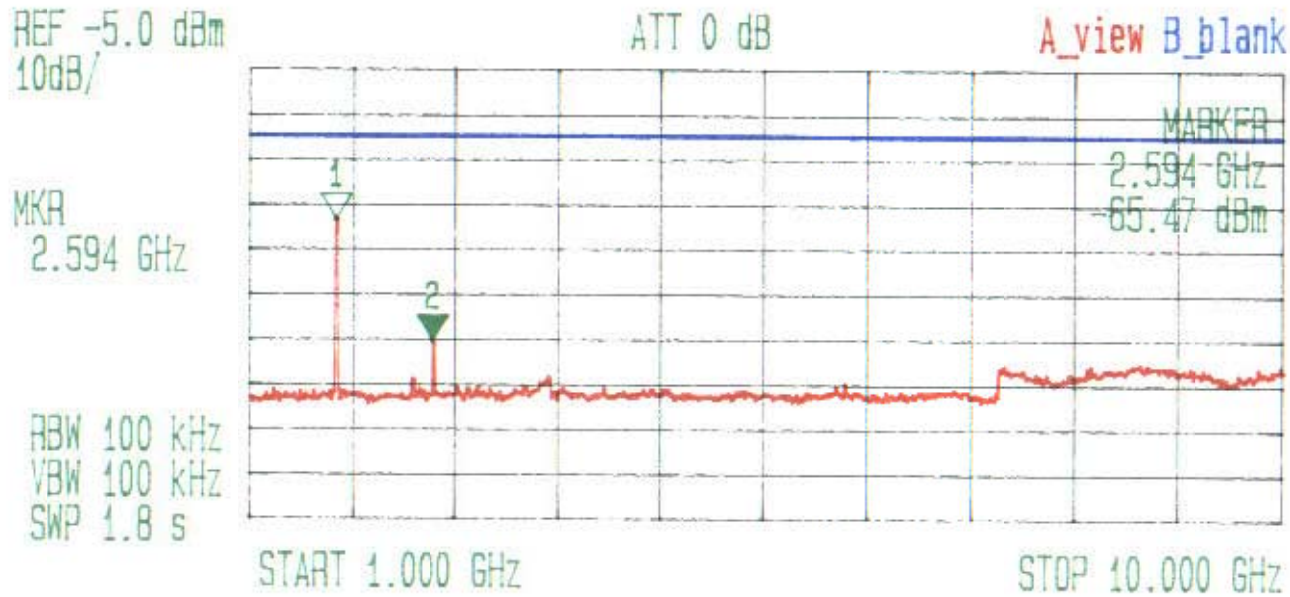


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Engineering Labs Inc.

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 869 MHz

Date: June 11 2001  
Tested by: Hung Trinh

# 57



\*\*\* Multi Marker List \*\*\*

No. 1:	1.746 GHz	-38.13 dBm	A
No. 2:	2.594 GHz	-65.47 dBm	A
No. 3:			
No. 4:			
No. 5:			
No. 6:			
No. 7:			
No. 8:			
Δ:			

58

869 MHz

Sun May 13 11:48:31 2001

REF 25.0 dBm  
10dB/

ATT 30 dB

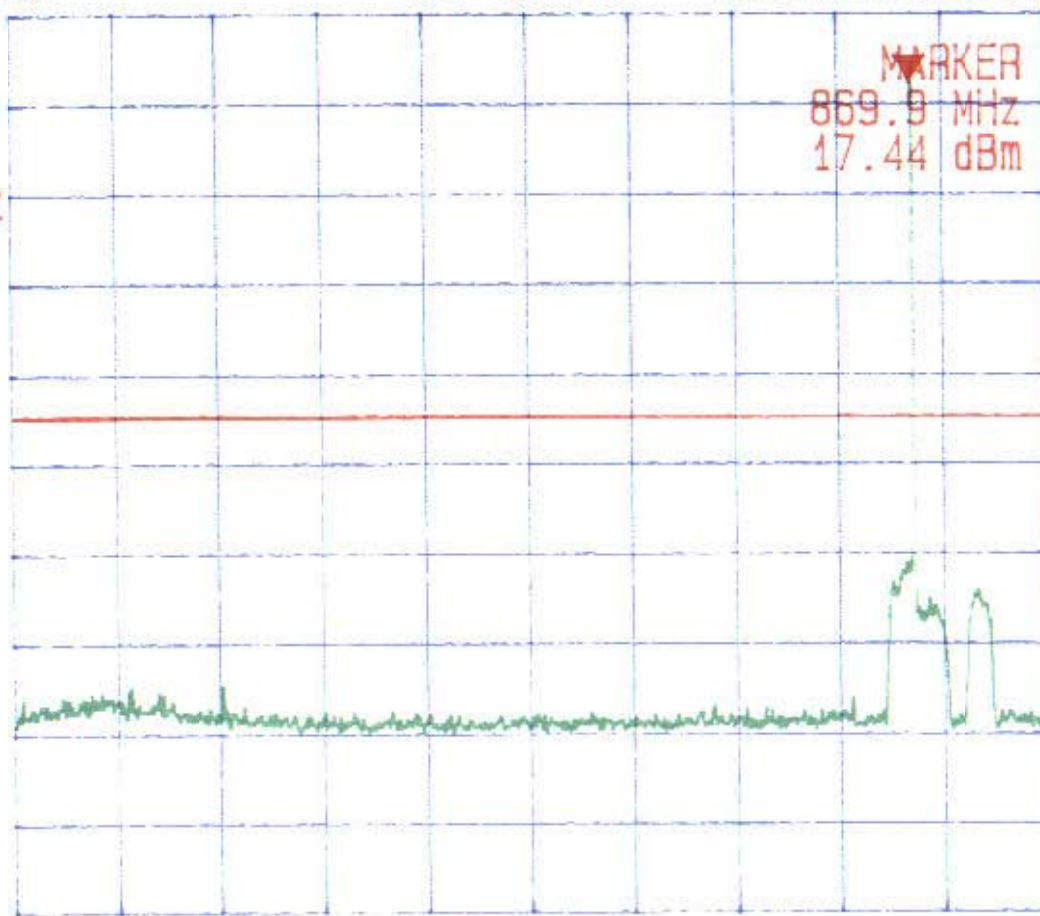
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MKR  
869.9 MHz

MARKER  
869.9 MHz  
17.44 dBm

REF OFS  
11.3 dB

RBW  
30 kHz  
VBW  
30 kHz  
SWP  
3.0 s



START 10 MHz

STOP 1.0000 GHz



59

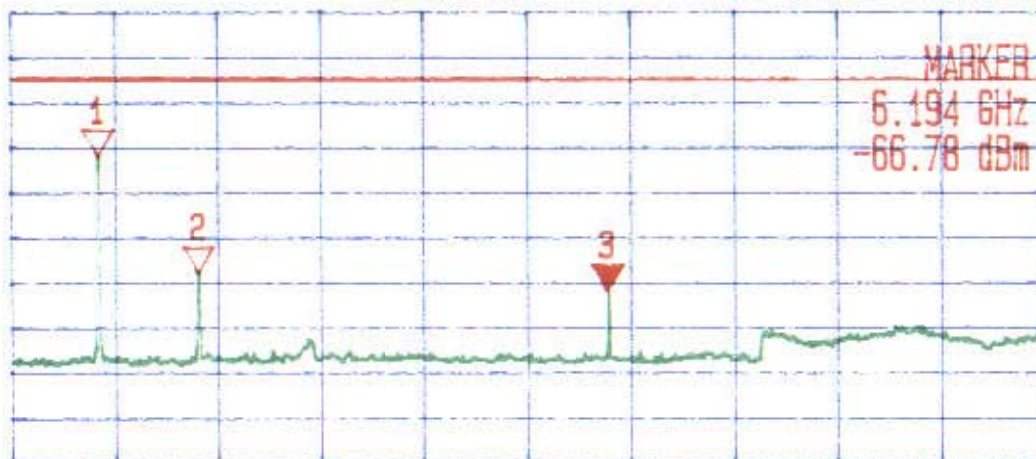
869 MHz

REF -5.0 dBm  
10dB/

ATT 0 dB

A\_write&max B\_blank

MKA  
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	-36.69 dBm	A
No. 2:	2.620 GHz	-62.56 dBm	A
No. 3:	6.194 GHz	-66.78 dBm	A
No. 4:			
No. 5:			
No. 6:			
No. 7:			
No. 8:			
Δ:			

60

869 MHz

