

A.9 CONDUCTED EMISSION DATA

2-TONE PLOTS FOR 1 CH X 4W (A-BAND)

See following page(s).

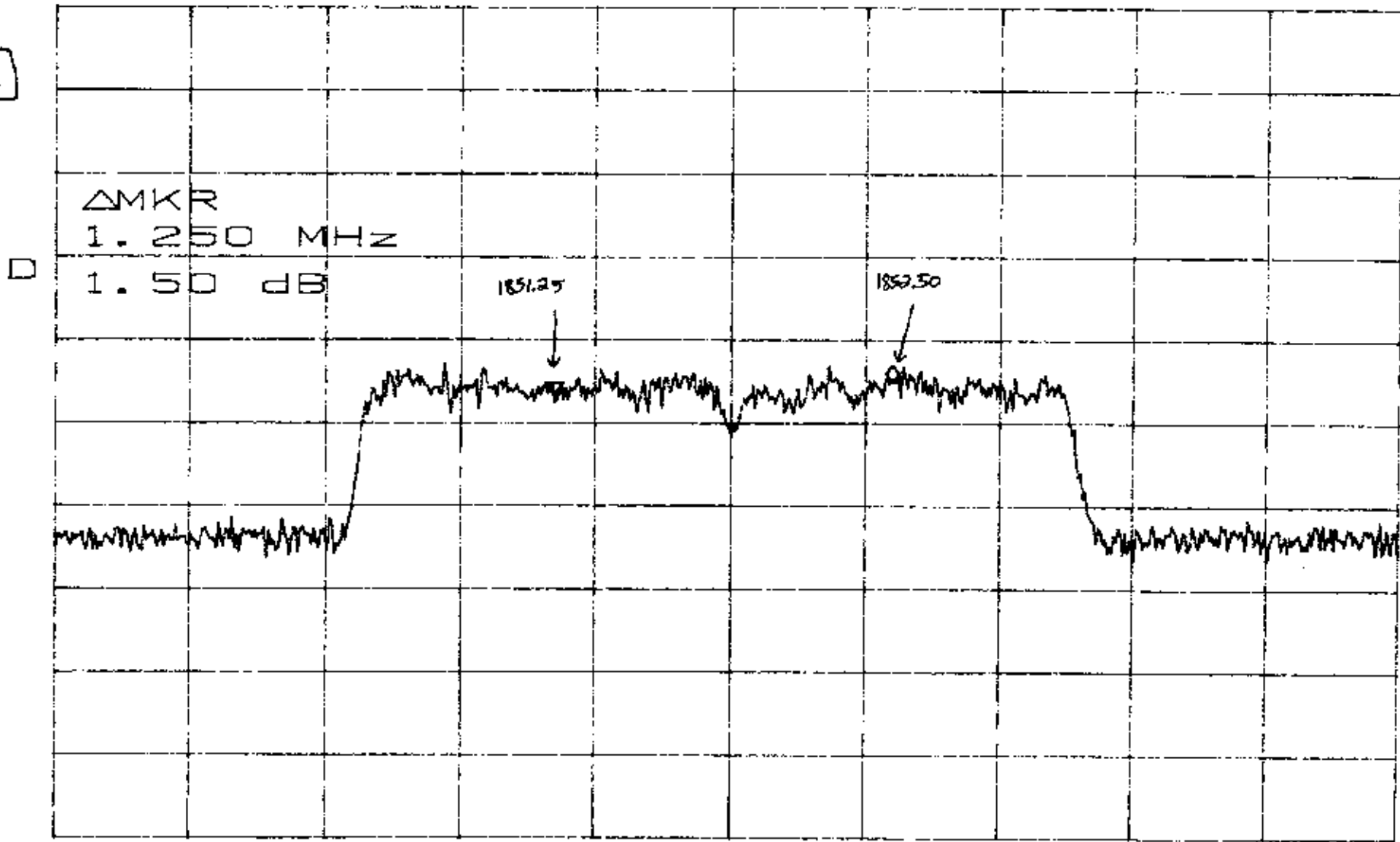
CDR 1ch x4W
Representative Unit
(A-band)

UL Inputs
Repeater Set to Ch1=25=1851.25MHz

8/7/98
CDMA Source

ATTEN 10dB VAVG 10 ΔMKR 1.50dB
RL -30.00dBm 10dB/BPO1 1.250MHz

2-tone



CENTER 1.851900GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

CDR 1ch x4W
Representative Unit
(A-band)

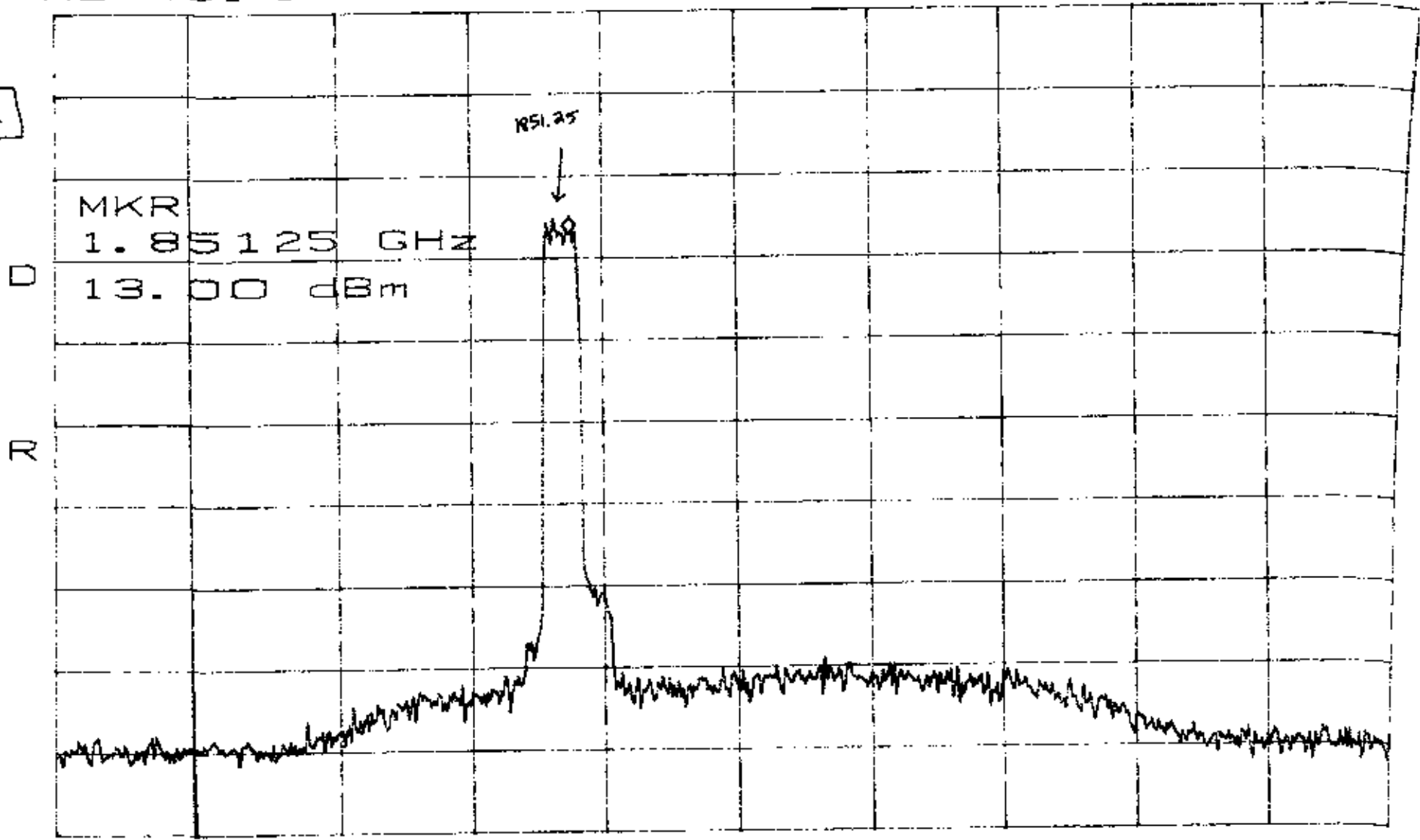
DL Output Intermod
Repeater Sat to Ch.1=25=1851.25 MHz

* $f_1 = 1851.25 \text{ MHz}$
* $f_2 = 1852.50 \text{ MHz}$

8/7/98
CDMA Sources

ATTN 30dB VAVG 10 MKR 13.00 dBm
RL 40.00 MBPM /BP01 1.85125GHz

2-tone



CENTER 1.85750GHz SPAN 50.00MHz
*RBW 30kHz *VBW 30kHz SWP 140ms

* source input signals each set individually to get ~30dBm output

CDR 1ch x 4W
Representative Unit
(A-band)

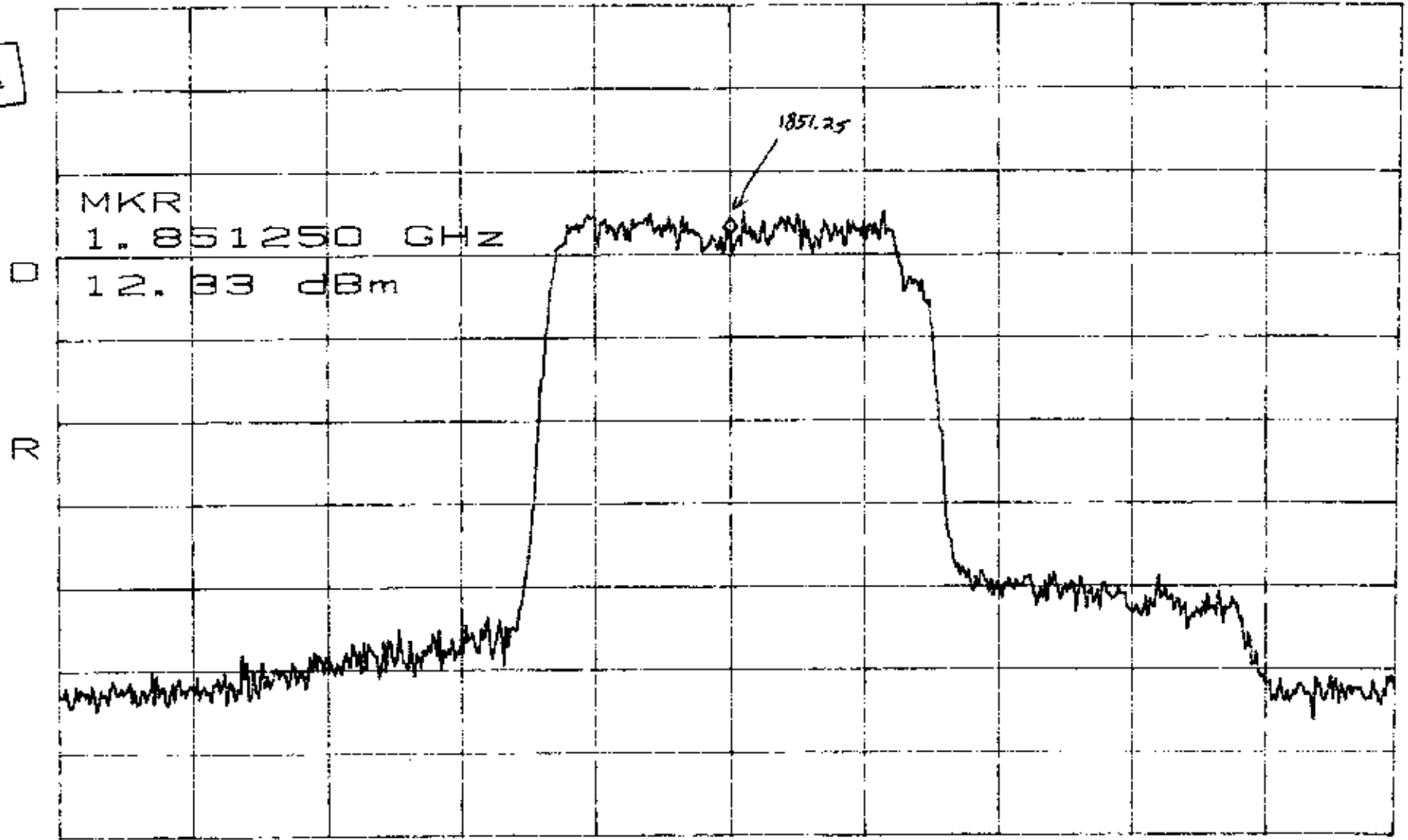
DL Output Intermed,
Repeater Sat To Ch.1 = 25 = 1851.25 MHz

* $f_1 = 1851.25 \text{ MHz}$
* $f_2 = 1852.50 \text{ MHz}$

8/7/98
CDMA Source

ATTN 30dB VAVG 10 MKR 12.33dBm
RL 40.0dBm 10dB/ 1.851250GHz

2-tone



CENTER 1.851250GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

* source input signals each sat individually to get ~30dBm output

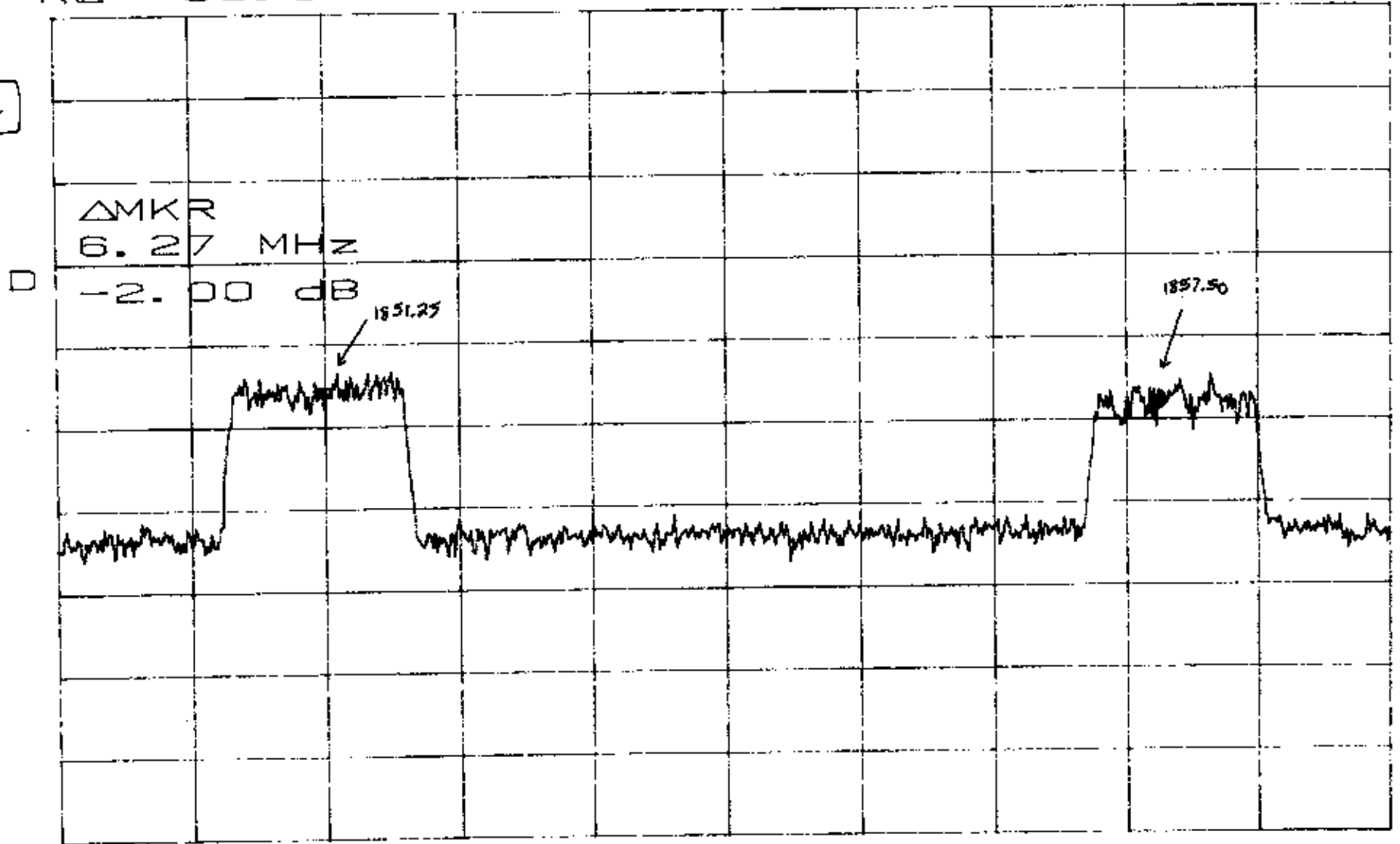
CDR 1ch = 4W
Representative Unit
(A-band)

UL Inputs
Repeater Set to Ch.1=25=1851.25MHz

8/7/98
CDMA Source

ATTEN 10dB VAVG 10 ΔMKR -2.00dB
RL -30.00dBm 10dB/BPO1 6.27MHz

2-tone



CENTER 1.85425GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

CDR 1ch x 4W
Representative Unit
(A-band)

UL Output Intermod
Repeater Set to Ch. 1 = 25 1851.25 MHz

* $f_1 = 1851.25 \text{ MHz}$
 $f_2 = 1857.50 \text{ MHz}$

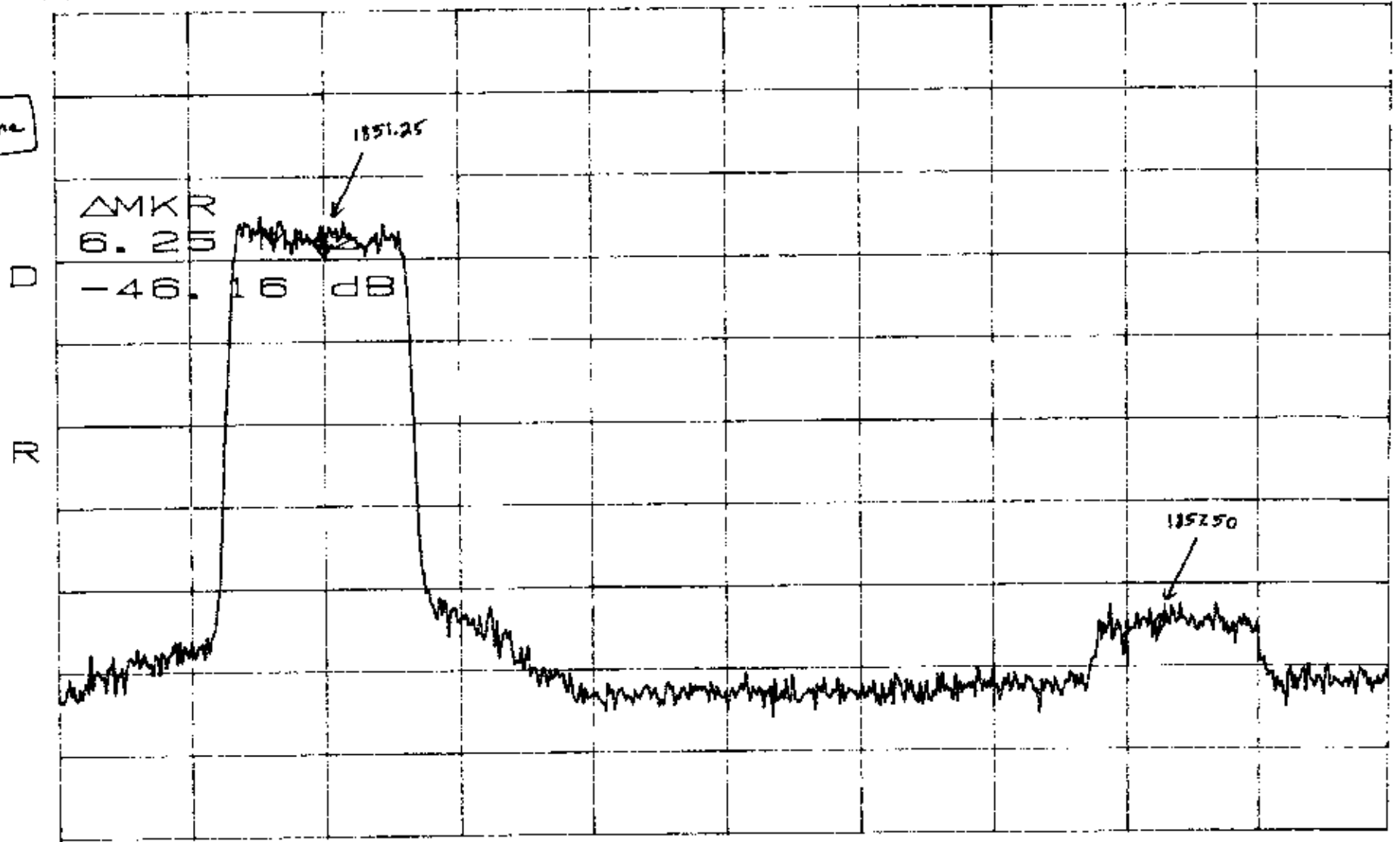
8/7/98
CDMA Source

ATTN 30dB
RL 40.00dBm

VAVG 10
10dB/BPO1

$\Delta \text{MKR} -46.16 \text{ dB}$
6.25
9.25MHz

2-tone



CENTER 1.85425GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

* Source input signals each set individually to get ~33dBm output

CDR 1ch x 4W
Representative Unit
(A-band)

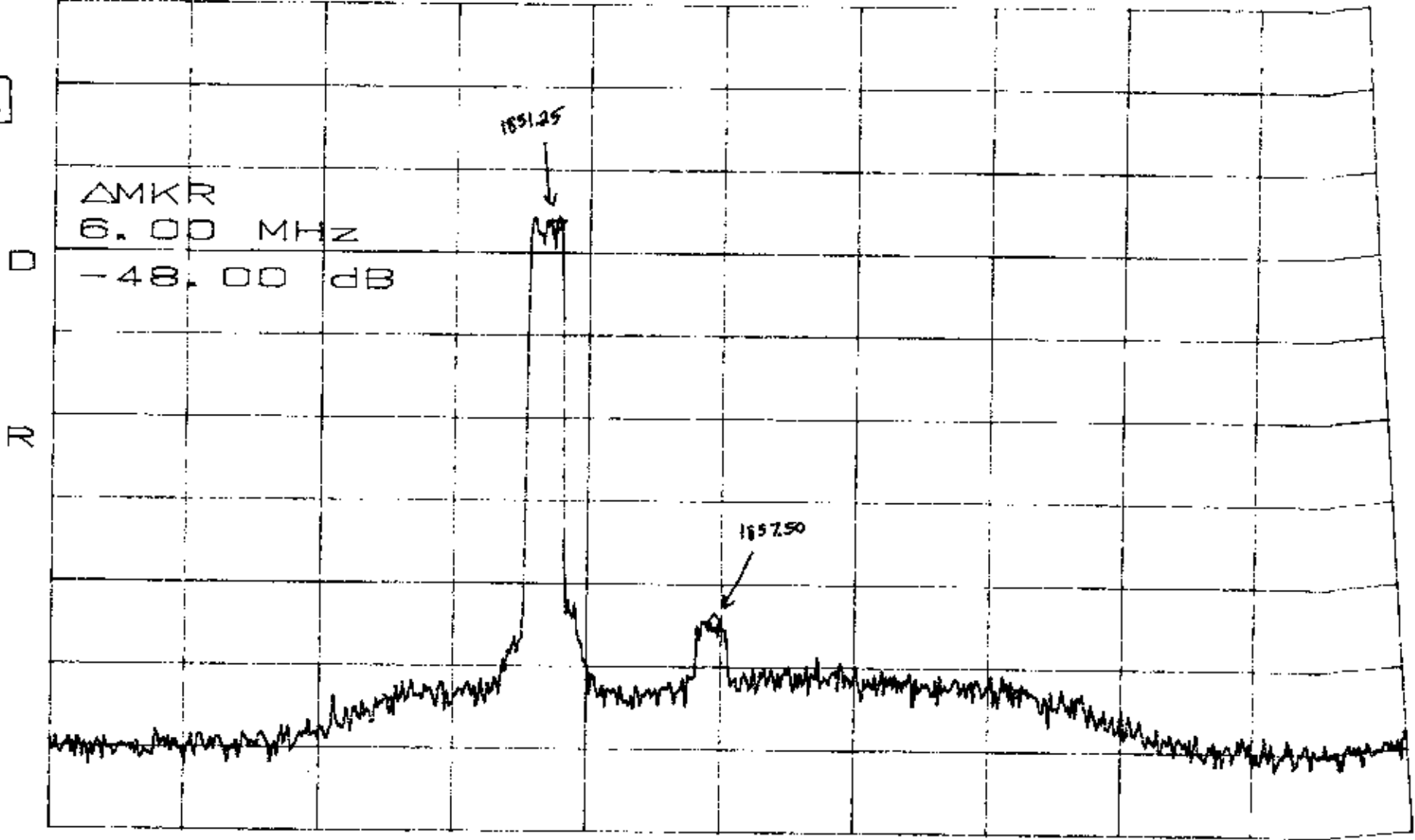
UL Output Intermod
Repeater Set to Ch.1 = 25 = 1851.25 MHz

* $f_1 = 1851.25 \text{ MHz}$
* $f_2 = 1857.50 \text{ MHz}$

8/7/98
CDMA Source

ATTN 30dB VAV 10 ΔMKR -48.00dB
RL 40.00dB 1dB/BP0 6.00MHz

2-tone



CENTER 1.85750GHz SPAN 50.00MHz
*RBW 30kHz *VBW 30kHz SWP 140ms

* source input signals each set individually to get ~33dBm output

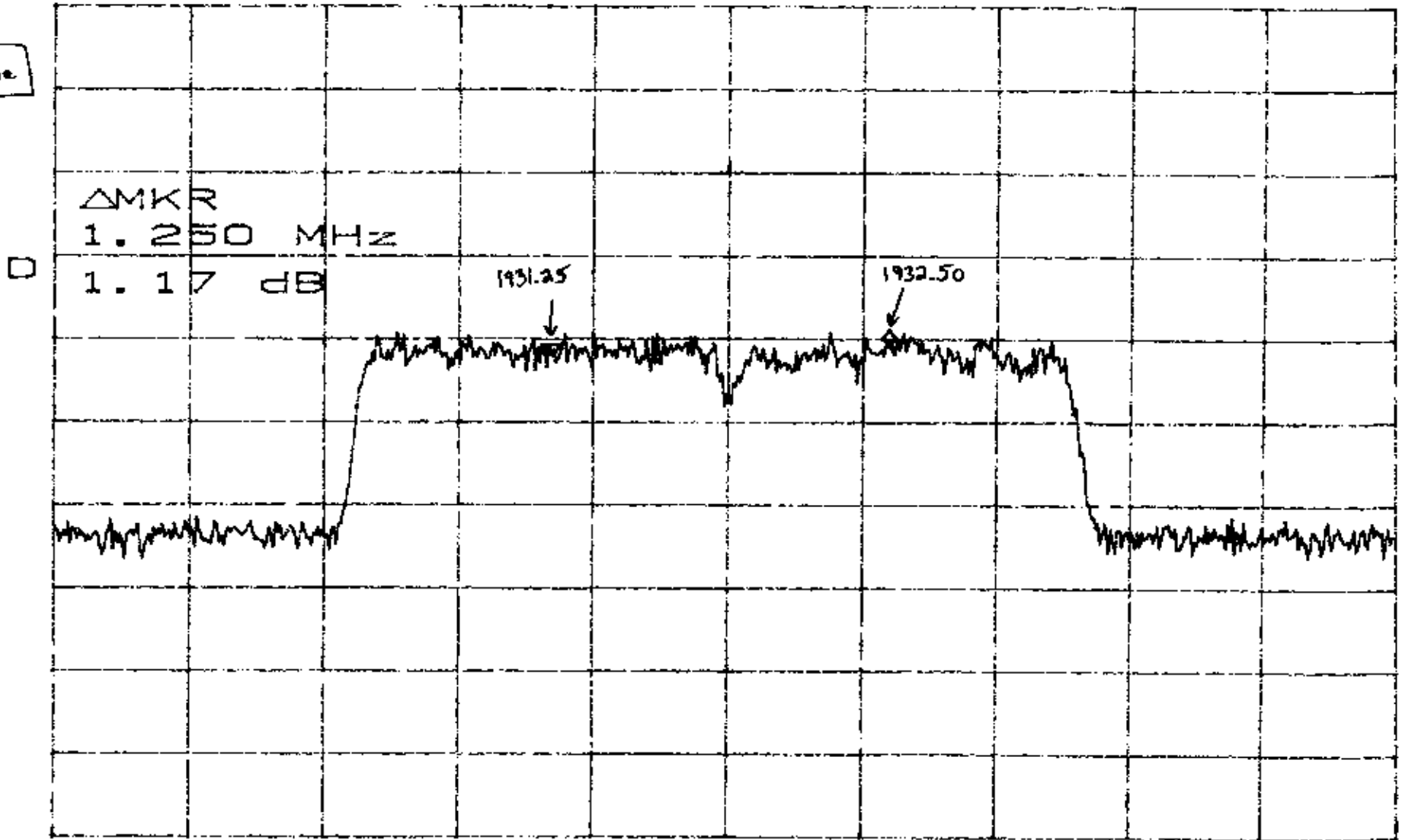
CDR 1ch x4W
Representative Unit
(A-band)

DL Inputs
Reporter Set To ch.1 = 25 = 1931.25MHz

8/7/98
CDMA Source

ATTEN 10dB VAVG 10 ΔMKR 1.17dB
RL -30.0dBm 101/BPO/ 1.250MHz

2-tone



ΔMKR
1.250 MHz
BP 1.17 dB

1931.25

1932.50

CENTER 1.931900GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

CDR 1ch x 4W
Representative Unit
(A-band)

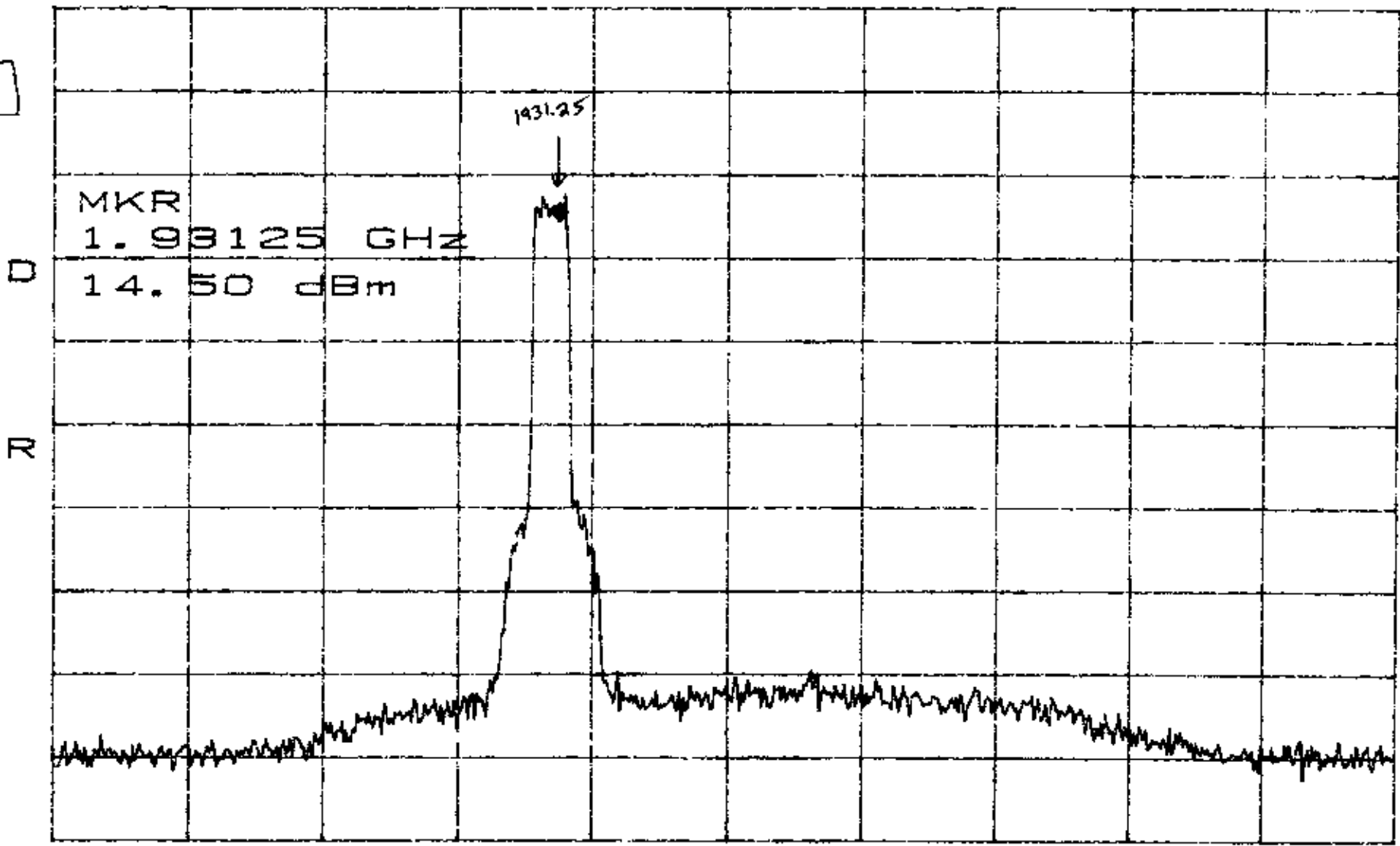
(4W) PL Intermod
Repeater Set to Ch.1 = 25 = 1931.25MHz

* $f_1 = 1931.25 \text{ MHz}$
* $f_2 = 1932.50 \text{ MHz}$

8/7/98
CDMA Source

ATTN 30dB VAVG 10 MKR 14.50dBm
RL 40.00dBm 10dB/BPO1 1.93125GHz

2-tone



CENTER 1.93750GHz SPAN 50.00MHz
*RBW 30kHz *VBW 30kHz SWP 140ms

*Source input signals set each individually to get (~36dBm) output

CDR 1ch*4W
Representative Unit
(A-band)

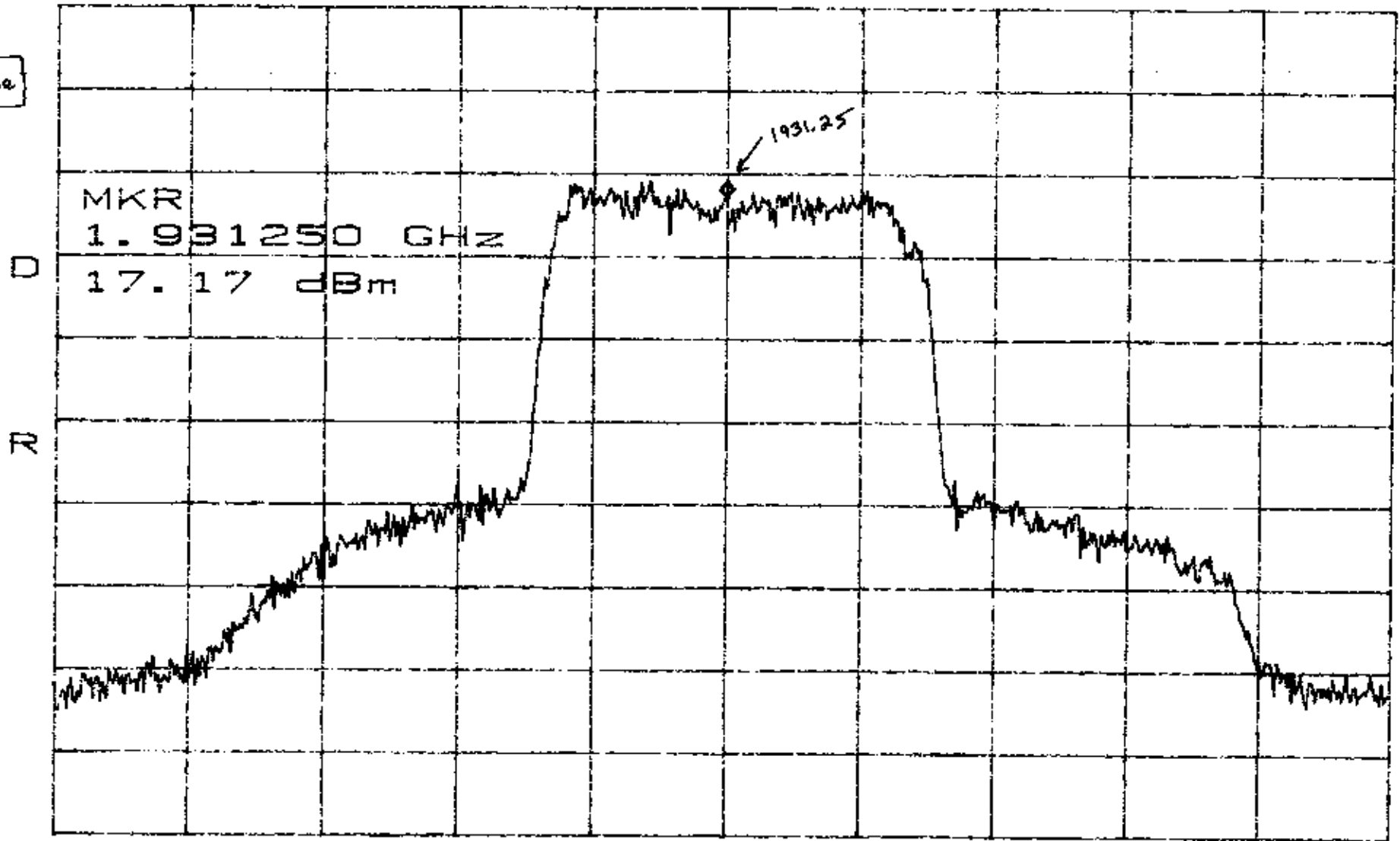
PL Intermod
Reporter Set To ch1=25=1931.25MHz

* $f_1 = 1931.25 \text{ MHz}$
 $f_2 = 1932.50 \text{ MHz}$

8/7/98
CDMA Source

ATTEN 30dB VAVG 10 MKR 17.17dBm
RL 40.0dBm 10dB/BPO1 1.931250GHz

2-tone



CENTER 1.931250GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source input signals set each individually to get ~36dBm output

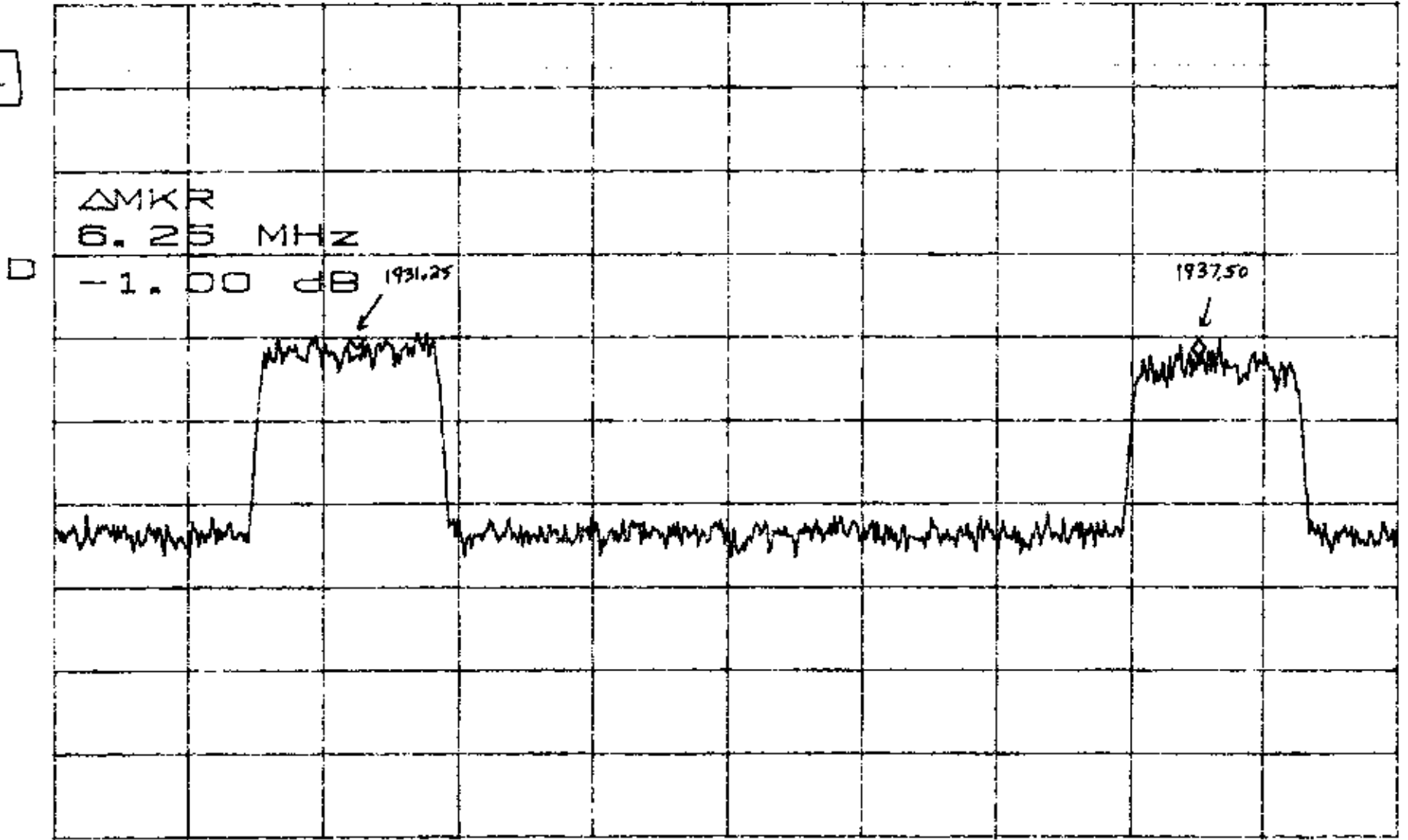
CDR 1ch x 4W
Representative Unit
(A-band)

DL Inputs
Repeater Set to Ch.1 = 25 = 1931.25 MHz

8/7/98
CDMA Sources

ATTEN 10dB VAVG 10 ΔMKR -1.00dB
RL -30.08dBm 10dB/BPO1 6.25MHz

2-tone



CENTER 1.93400GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

CDR 1ch x4W
Representative Unit
(A-band)

DL Output Intermod
Repeater Set To Ch.1=25=1931.25MHz

* $F_1 = 1931.25 \text{ MHz}$
 $F_2 = 1937.50 \text{ MHz}$

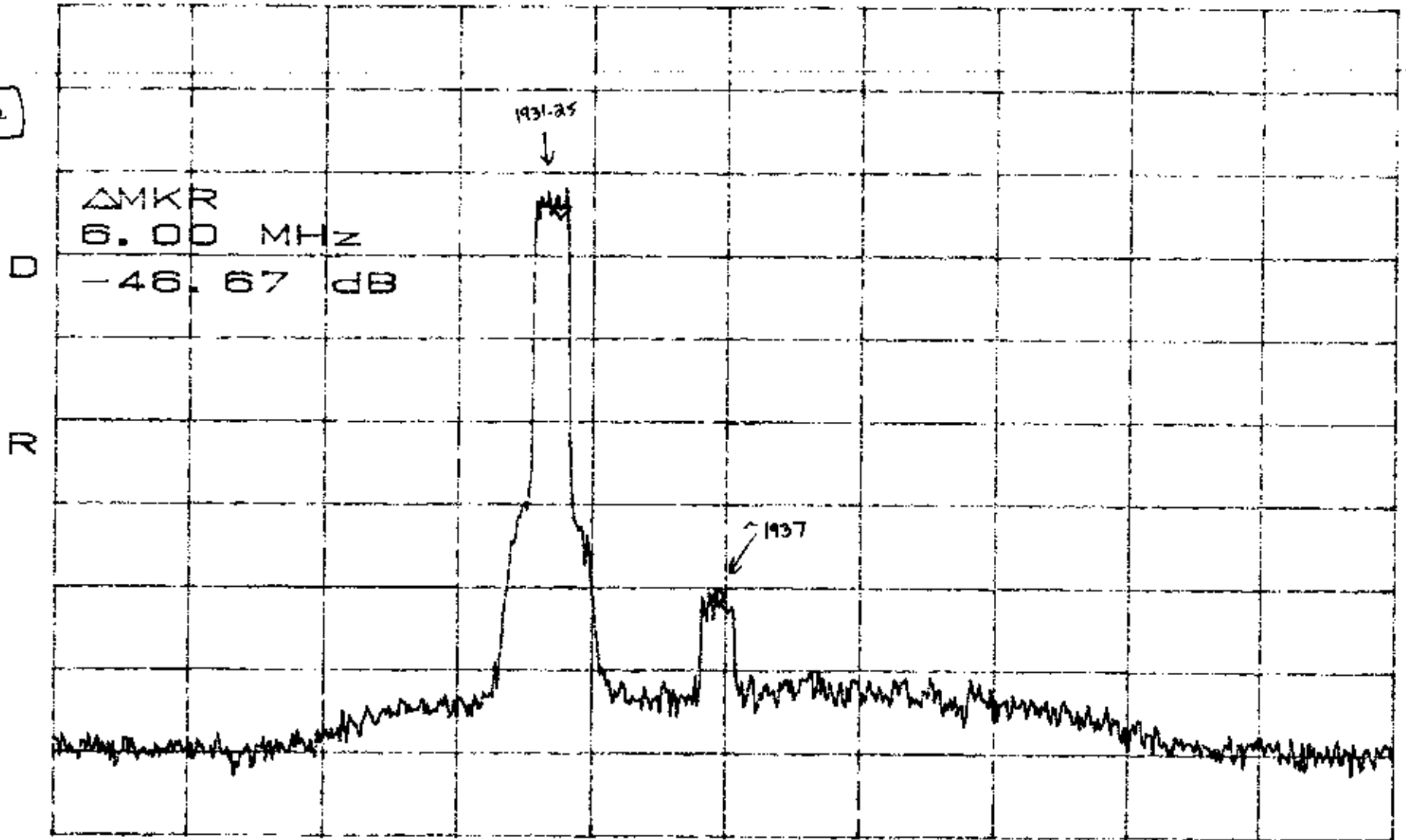
8/7/98
CDMA Source

ATTN 30dB
RL 40.00dBm

VAVG 10
10dB/

$\Delta \text{MKR} -46.67 \text{ dB}$
6.000MHz

2-tone



CENTER 1.93750GHz

SPAN 50.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 140ms

* source input signals set each individually to get (~36dBm) output

CDR 1ch x 4W
Representative Unit
(A-band)

DL Output Intermod
Repeater Set To Ch1 = 25 = 1931.25MHz

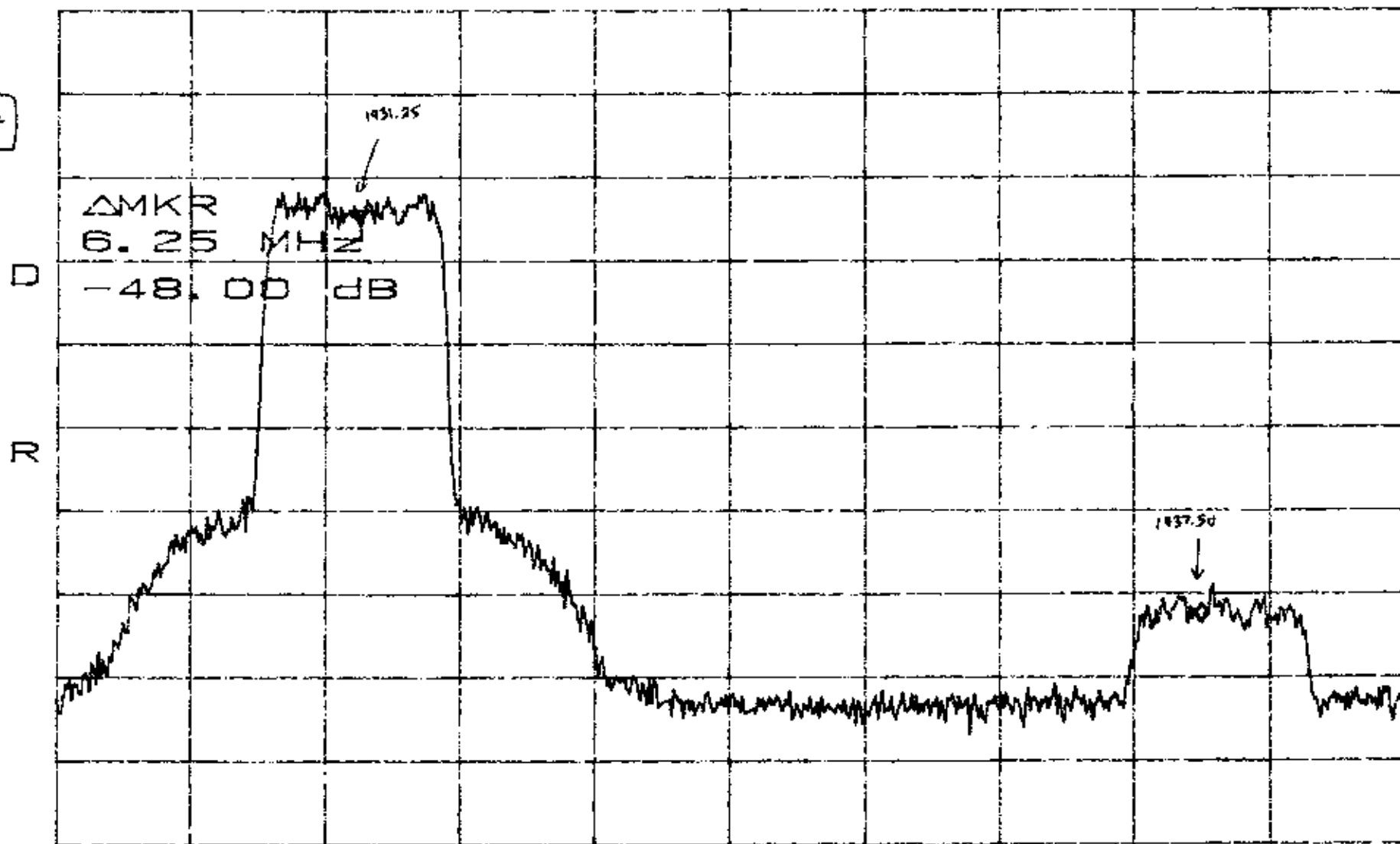
* $f_1 = 1931.25 \text{ MHz}$
 $f_2 = 1937.50 \text{ MHz}$

8/7/12
CDMA Source

ATTN 30dB VAVG 10
RL 40.0dBm 10dB/
BP00

$\Delta \text{MKR} -48.00 \text{ dB}$
6.25MHz

2-tone



CENTER 1.93400GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source input signals each set individually to get (~36dBm) output

A.10 CONDUCTED EMISSION DATA

2-TONE PLOTS FOR 1 CH X 7.1W (C-BAND)

See following page(s).

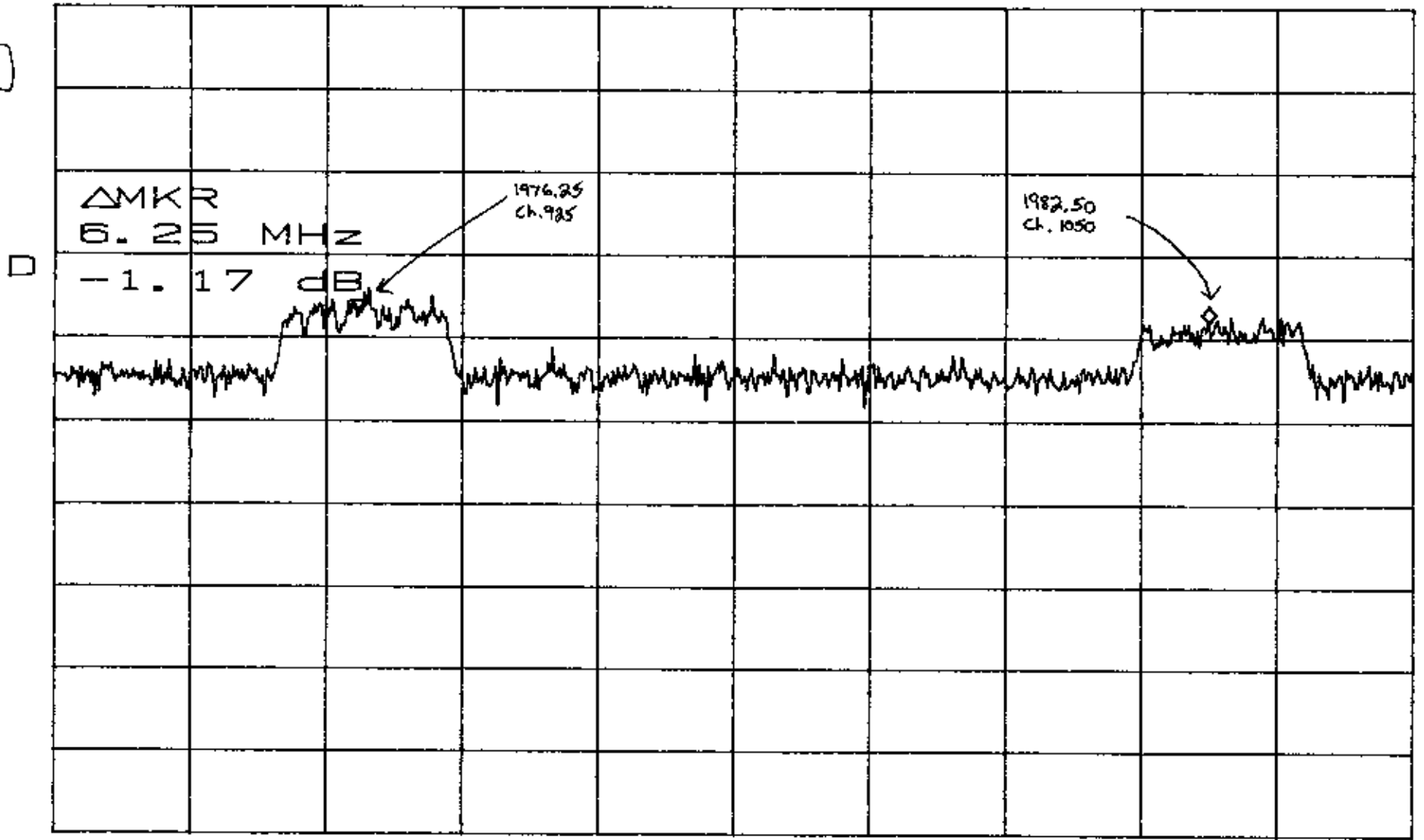
COR 1ch=7.1W
Representative Unit
(C-band tested)

DL Inputs
Repeater Set to Ch. 925 (1976.25 MHz)

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR -1.17dB
RL -30.0dBm 10dB/BP01 6.25MHz

2-tone



CENTER 1.97900GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

CDR 1ch x 7.1W
Representative Unit
(C-band tested)

DL
Repeater Set to Ch. 925 (1976.25MHz)
Output Intermods

(Ch. 925)
* $f_1 = 1976.25 \text{ MHz}$
* $f_2 = 1982.50 \text{ MHz}$
(Ch. 1050)

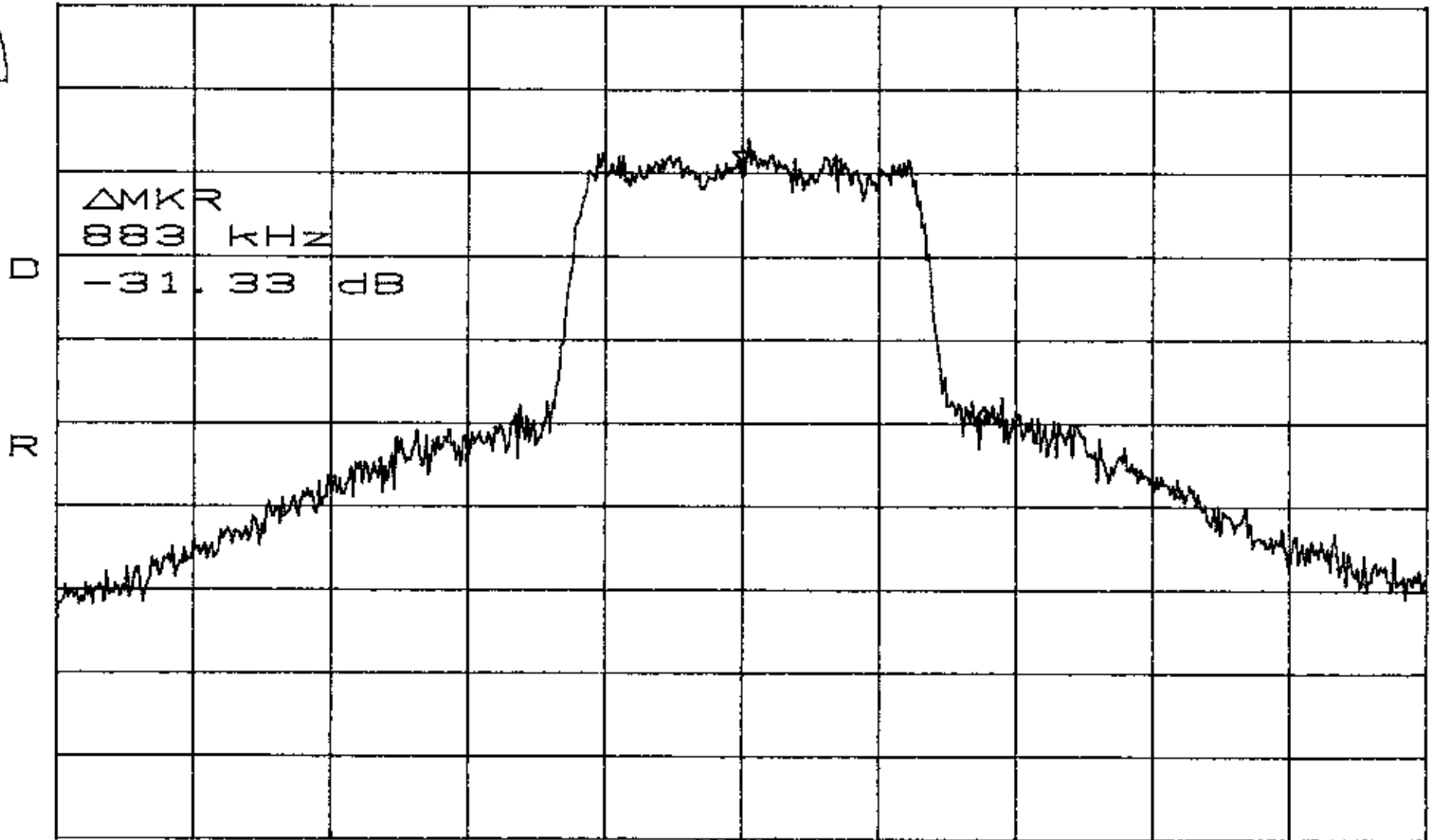
8/4/98
CDMA Sources

*ATTN 30dB
RL 40.0dBm

VAVG 10
10dB/

Δ MKR -31.33dB
888kHz

2-tone



CENTER 1.976250GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source input signals set to get each ~38.5dBm output individually

CDR 1ch x 7.1W (c-band tested)
Representative Unit

DL Output Intermods
Repeater Sat to Ch. 925 (1976.25 MHz)

* f_1 (ch 925) = 1976.25 MHz
* f_2 (ch 1050) = 1982.50 MHz

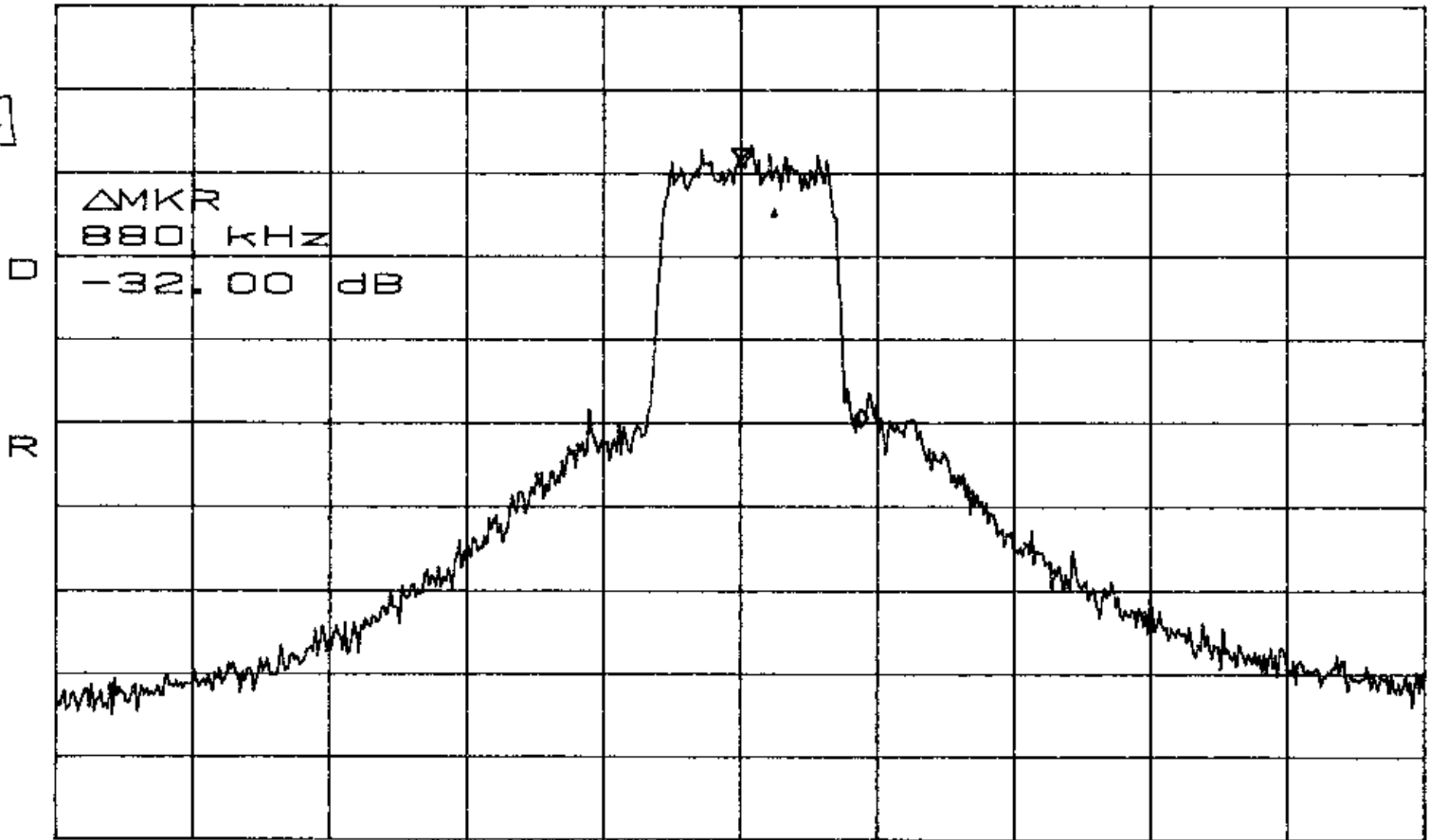
8/11/98
CDMA Source

*ATTEN 30dB
RL 40.0dBm

VAVG 10
10dB/BPO1

Δ MKR -32.00dB
880kHz

2-tone



CENTER 1.97625GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

*source input signals set each to get ~38.5dBm on output individually

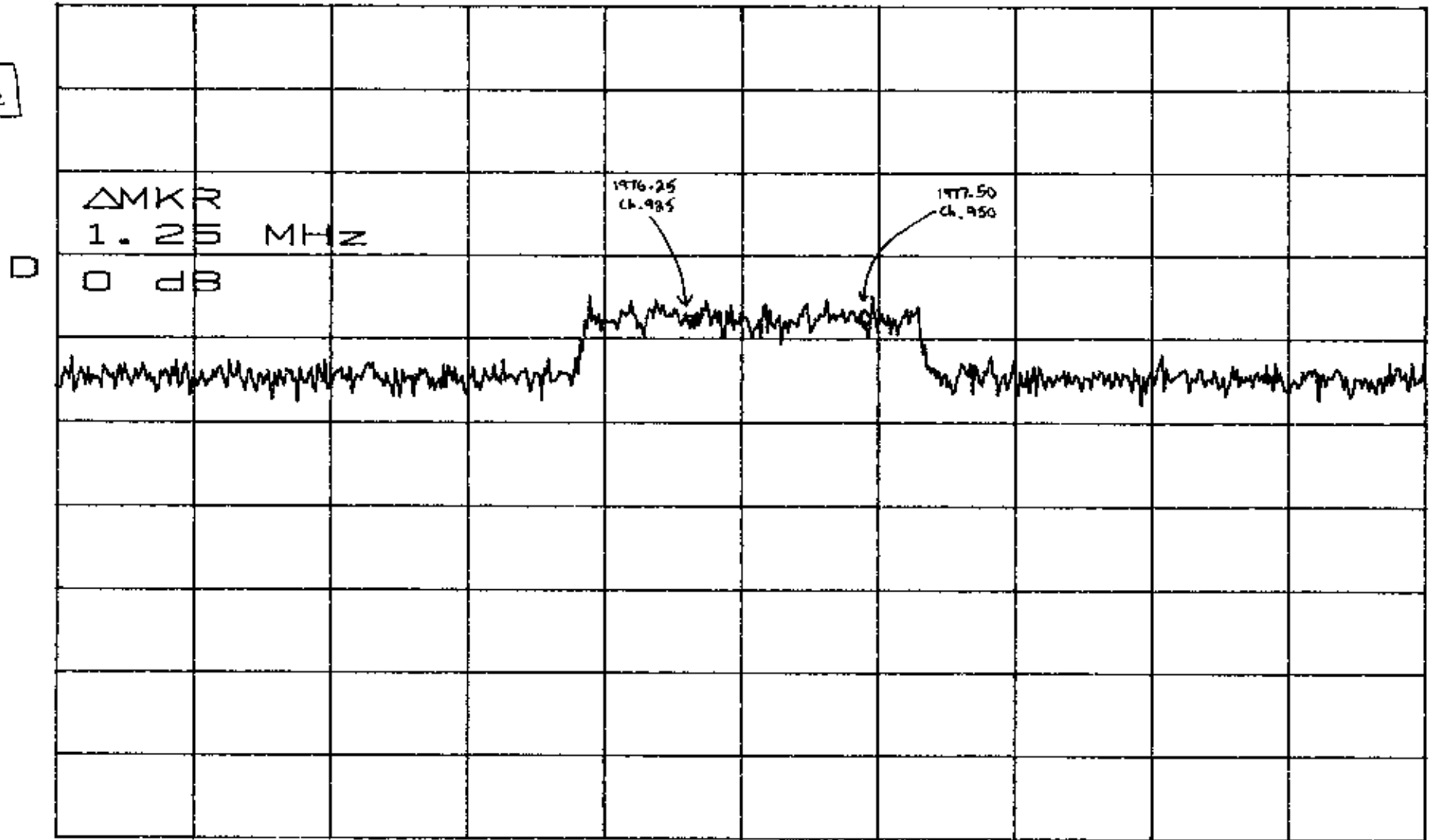
COR 1ch x 7.1W
Representative Unit
(C-band tested)

DL Inputs
Repeater Set to Ch. 925 (1476.25MHz)

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR 0dB
RL -30.0dBm 10dB/ 1.25MHz

2-tone



CENTER 1.97685GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

CDR 1ch x 7.1W
Representative Unit
(C-band tested)

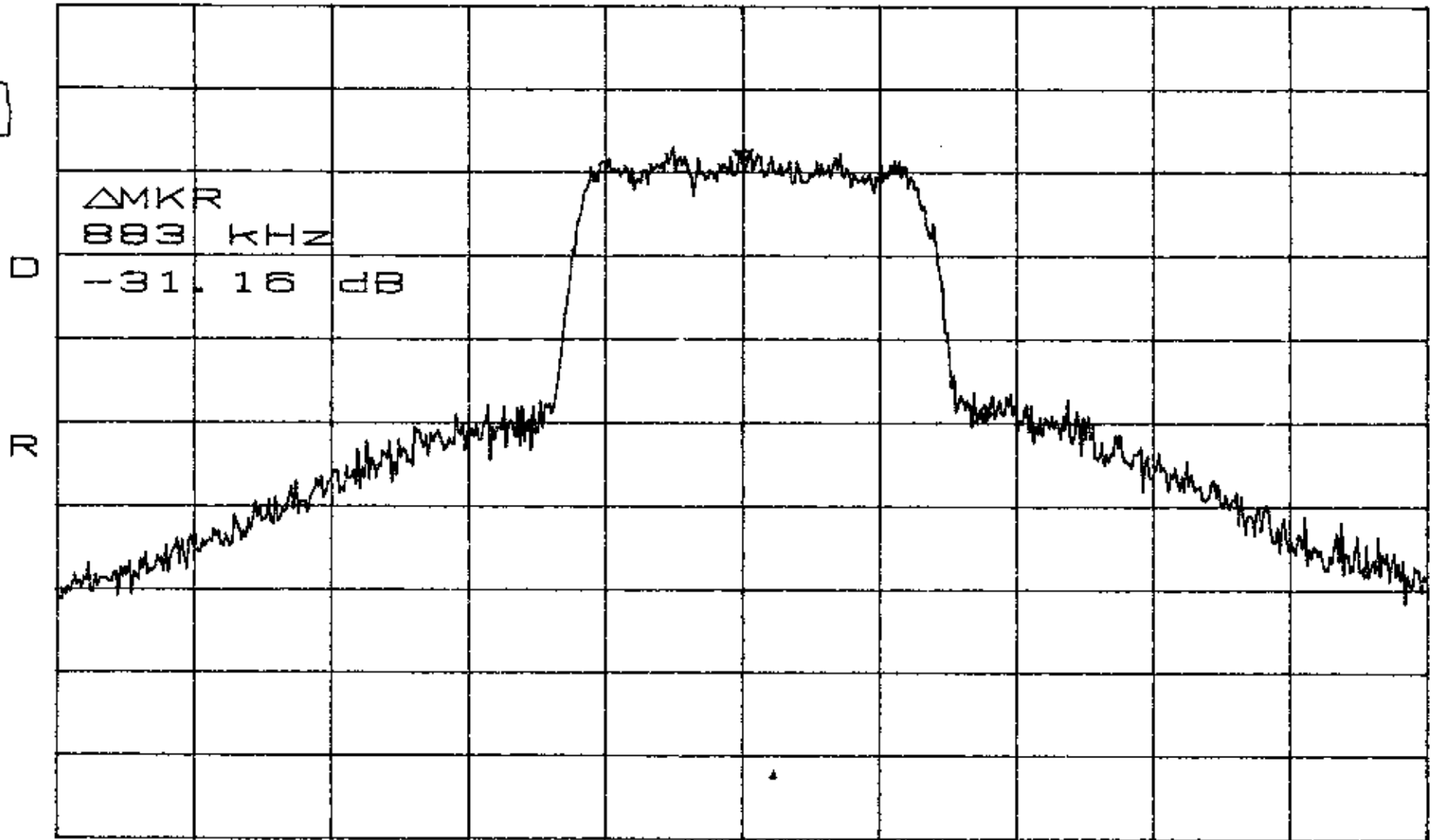
DL Output
Repeater Set to Ch. 925 (1976.25MHz)

* f_1 (ch. 925) = 1976.25
* f_2 (ch. 950) = 1977.50

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 Δ MKR -31.16dB
RL 40.0dBm 10dB/BP0 883kHz

2-tone



CENTER 1.976250GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source input signals set to each get ~38.5dBm output individually

CDR 1ch x 7.1W
Representative Unit
(C-band tested)

DL Output
Repeater Set to Ch. 925
(1976.25 MHz)

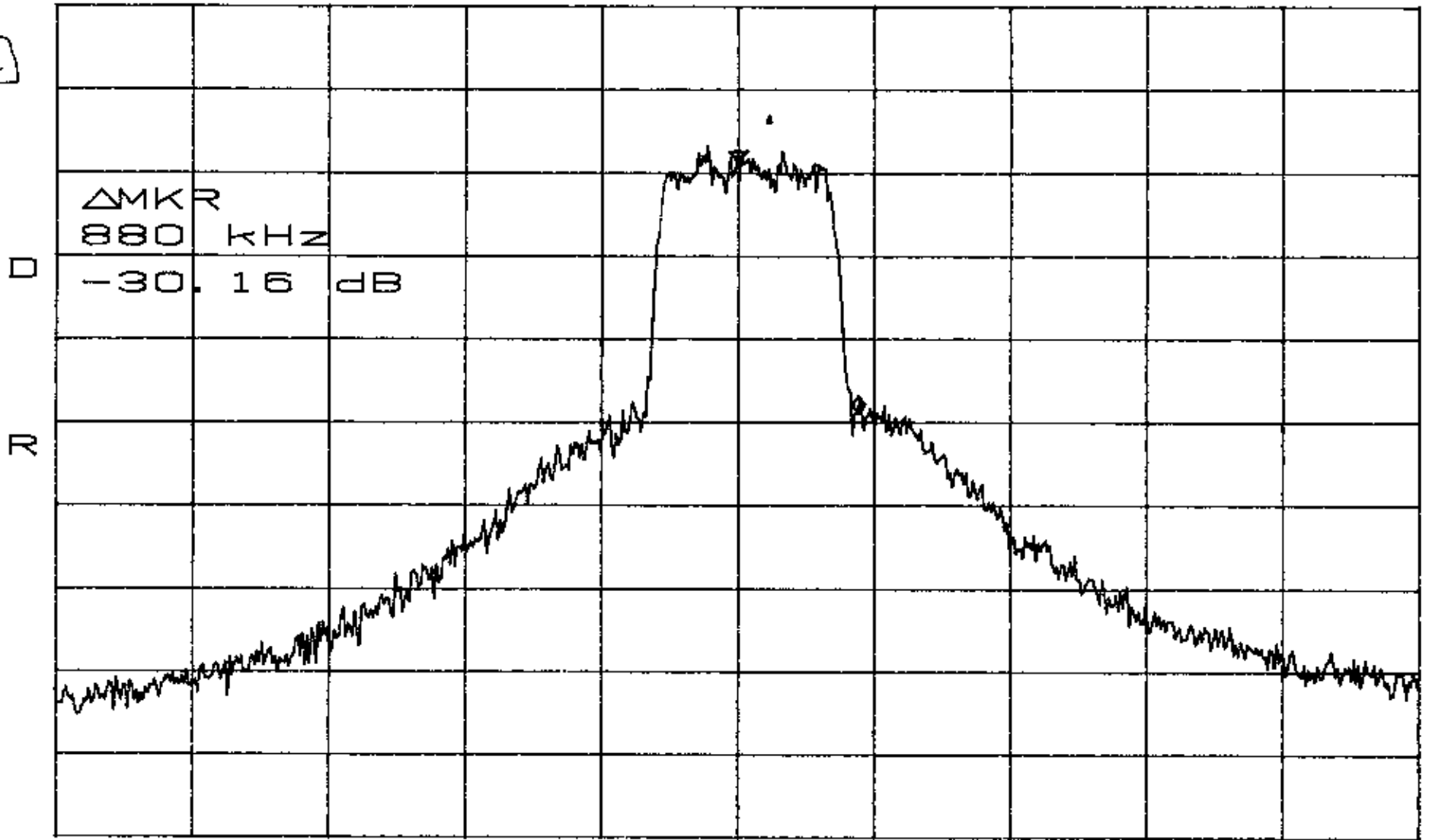
* f_1 (ch 925) = 1976.25
* f_2 (ch 950) = 1977.50

8/4/98
CDMA Source

*ATTN 30dB VAVG 10
RL 40.0dBm 10dB/

Δ MKR -30.16dB
880kHz

2-tone



CENTER 1.97625GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

*source inputs set each to get ~38.5dBm output individually

CDR 1ch = 7.1W
Representative Unit
(C-band tested)

UL Inputs
Repeater Set to Ch. 925 (1896.25 MHz)

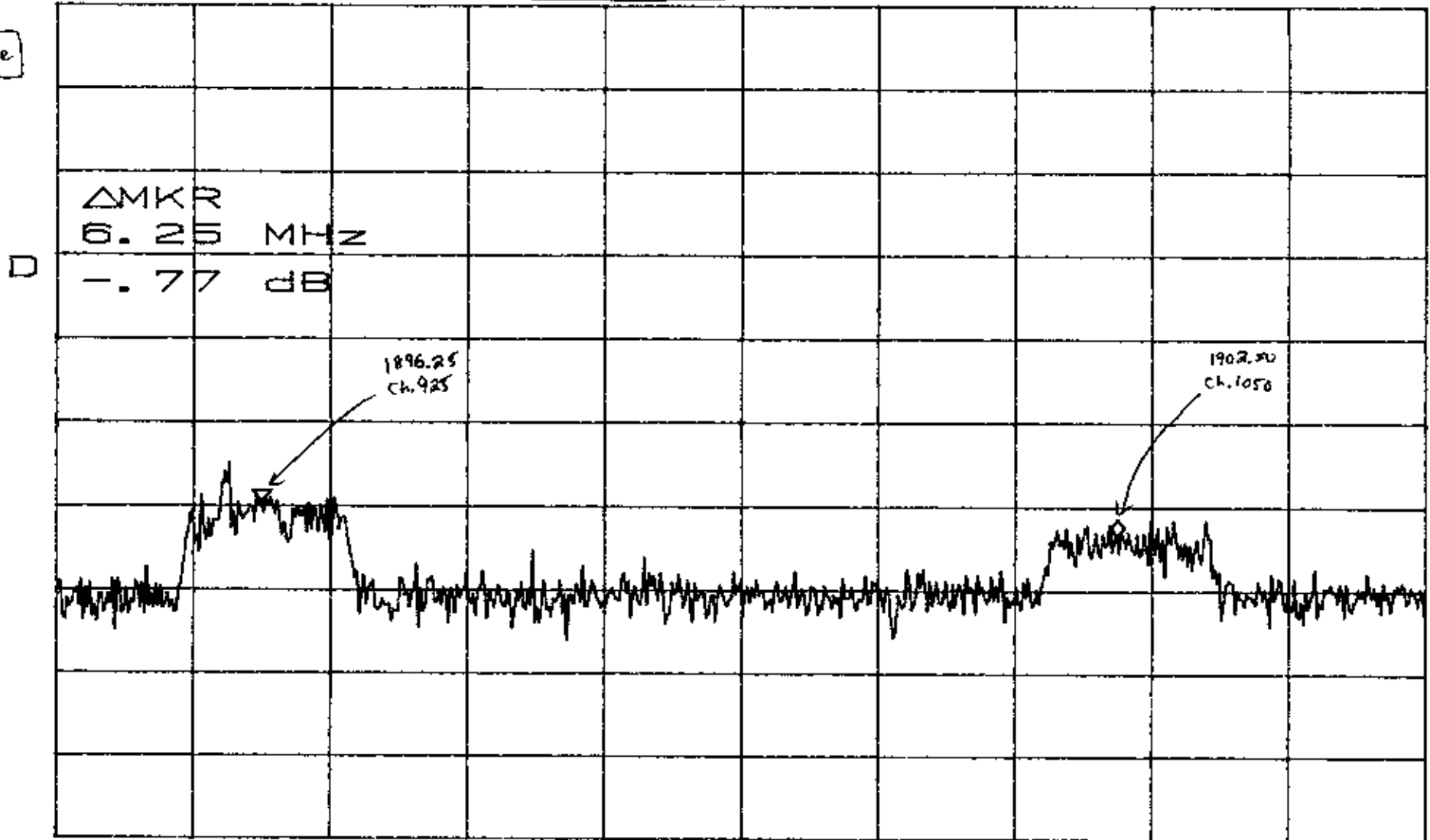
8/4/98
CAMA Source

*ATTEN 30dB
BPOE
RL -60.0dBm

VAVG 585
2dB/BP2

ΔMKR -.77dB
6.25MHz

2-tone



CENTER 1.89975GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

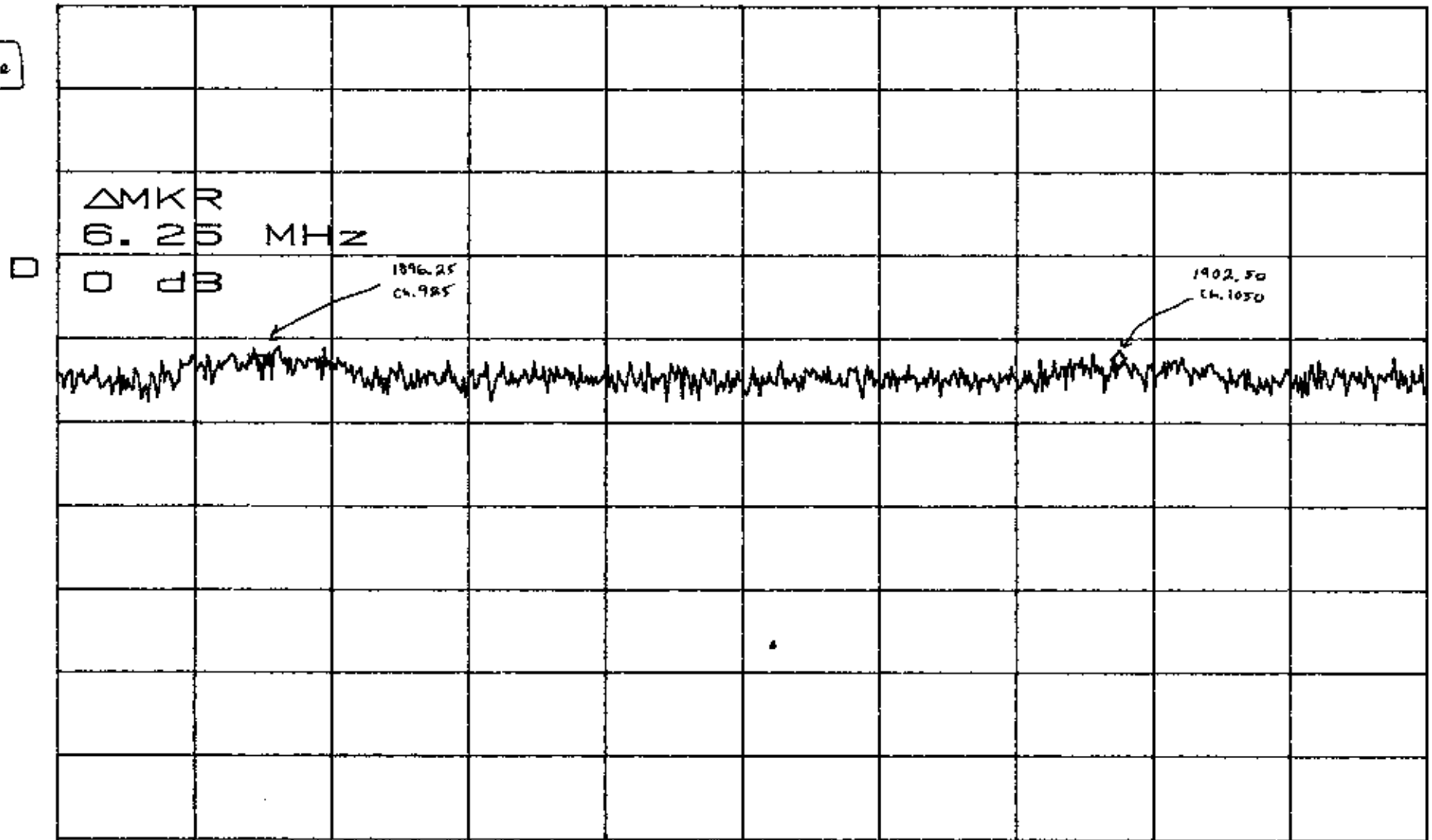
CDR 1chx7.1W
Representative Unit
(C-band tested)

UL Inputs
Repeater Set to Ch. 925 (1896.25 MHz)

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR 0dB
RL -30.0dBm 10dB/BP0 6.25MHz

2-tone



CENTER 1.89975GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

CDR 1ch x 7.1W
Representative Unit
(C-band tested)

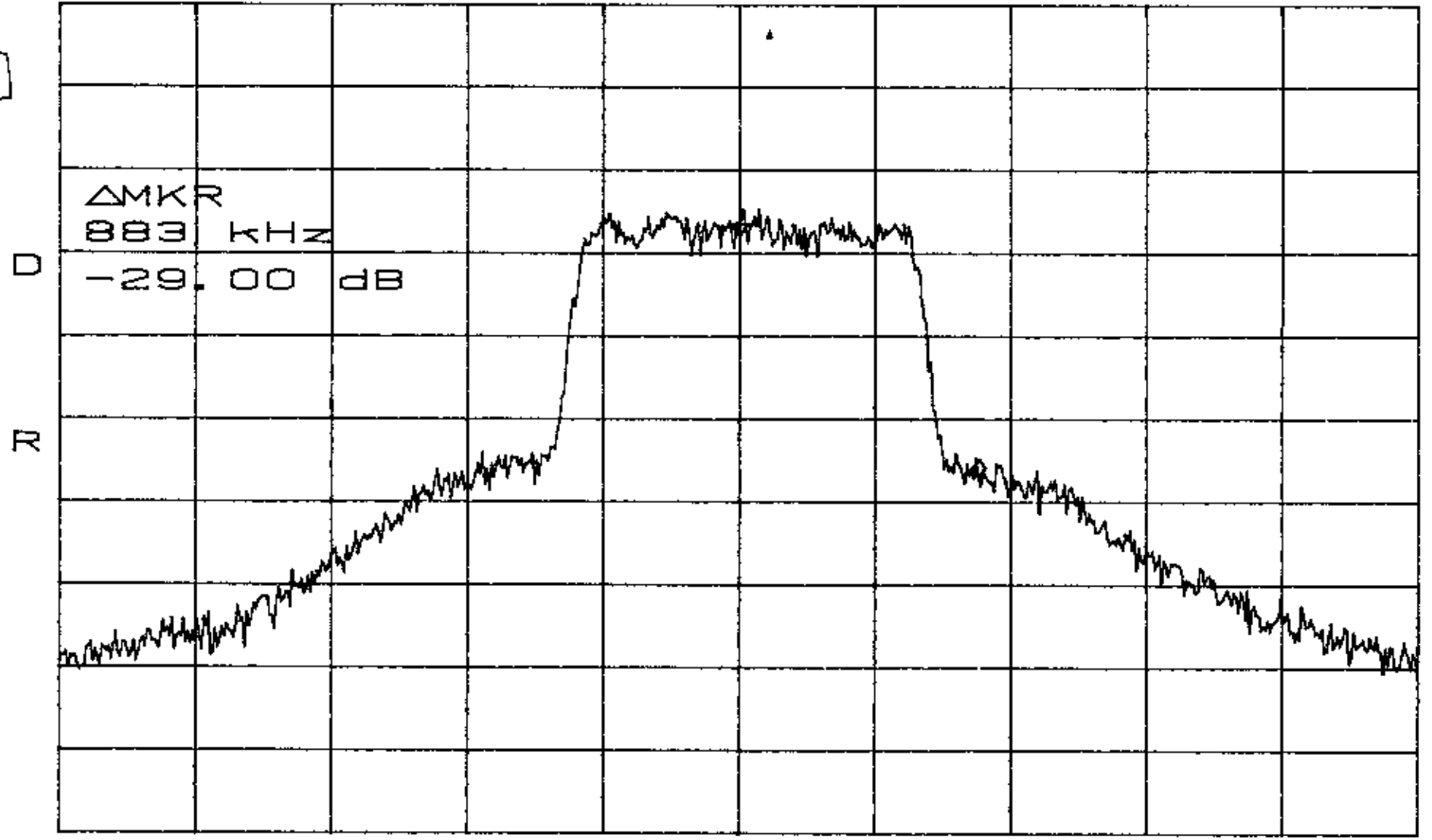
UL
Repeater Set to Ch. 925 (1896.25MHz)
Output Intermod

* $f_1 = 1896.25 \text{ MHz (Ch. 925)}$
* $f_2 = 1902.50 \text{ MHz (Ch. 1050)}$

8/4/98
CDMA Source

*ATTN 30dB VAVG 10 Δ MKR -29.00dB
RL 40.0dBm 10dB/BPO 883kHz

2-tone



CENTER 1.896250GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source inputs set each to get ~ 30.0dBm output individually

CDR 1chx7.1W
Representative Unit
(C-band tested)

UL output Intermod
Repeater Set to Ch. 925 (1896.25 MHz)

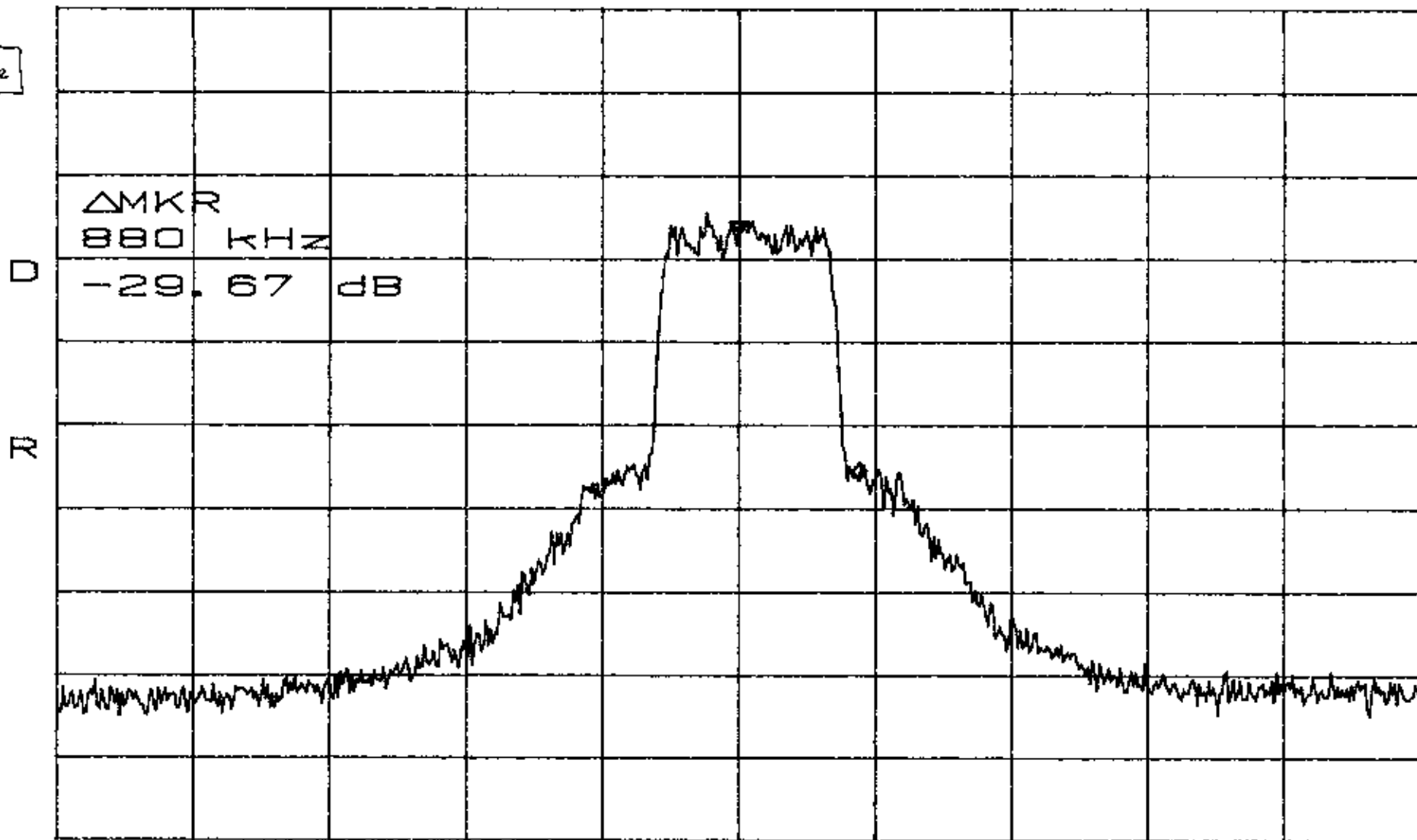
* $f_1 = 1896.25 \text{ MHz (Ch. 925)}$
* $f_2 = 1902.50 \text{ MHz (Ch. 1050)}$

8/4/98
CDMA Source

*ATTN 30dB VAVG 10
RL 40.0dBm 10dB/

$\Delta\text{MKR} -29.67\text{dB}$
880kHz

2-tone



CENTER 1.89625GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source inputs each set to get ~30.0 dBm output individually

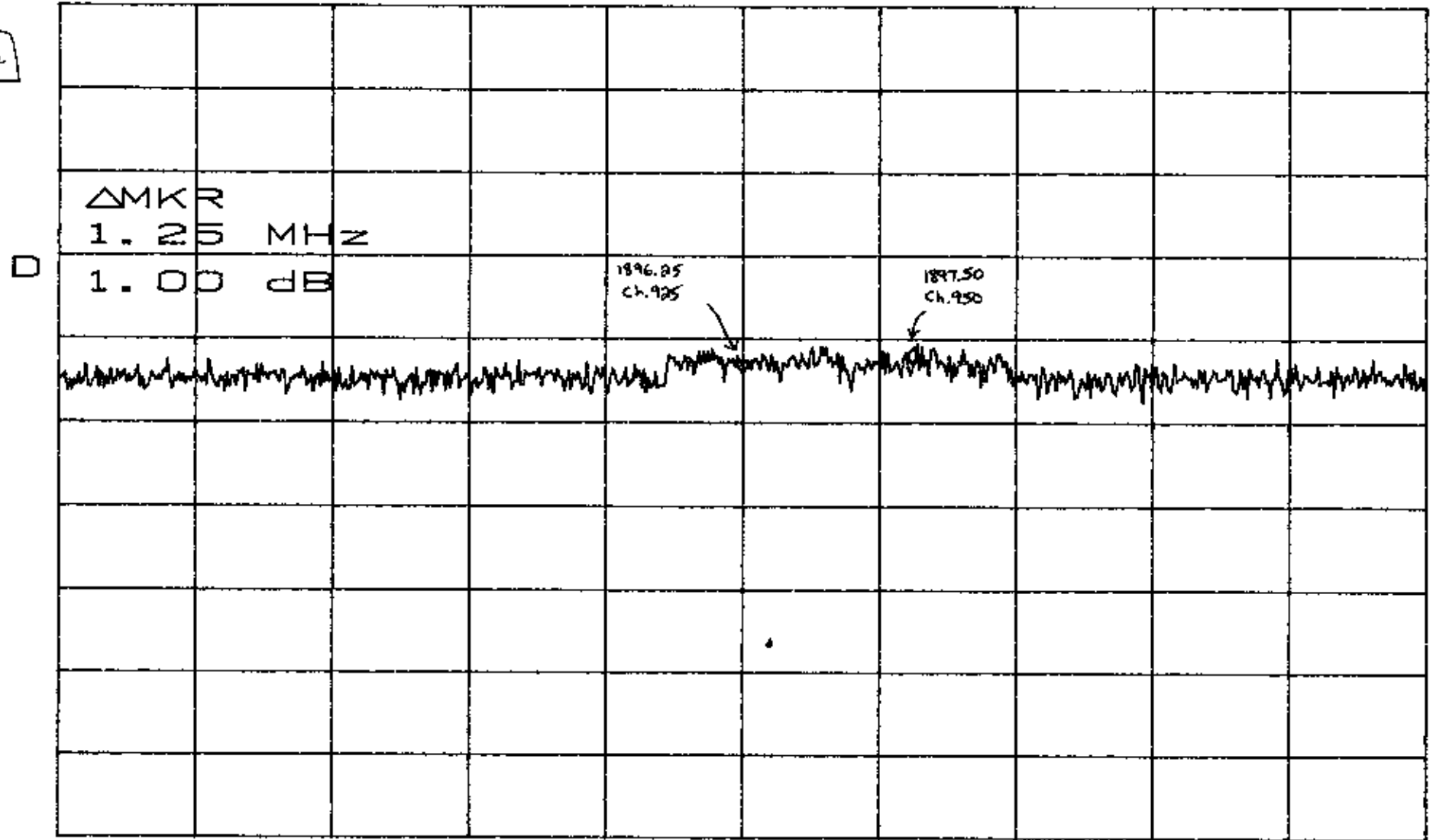
CDR 1ch x 7.1W
Representative Unit
(C-band tested)

UL Inputs
Repeater Set to Ch. 925 (1896.25MHz)

8/4/98
CDMA Sources

*ATTEN 30dB VAVG 10 ΔMKR 1.00dB
RL -30.0dBm 10dB/BP01 1.25MHz

2-tone



CENTER 1.89625GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

CDR 1ch x7.1W
Representative Unit
(C-band tested)

UL Inputs
Repeater Set to Ch. 925 (1896.25 MHz)

8/4/98
CDMA Sources

*ATTEN 30dB

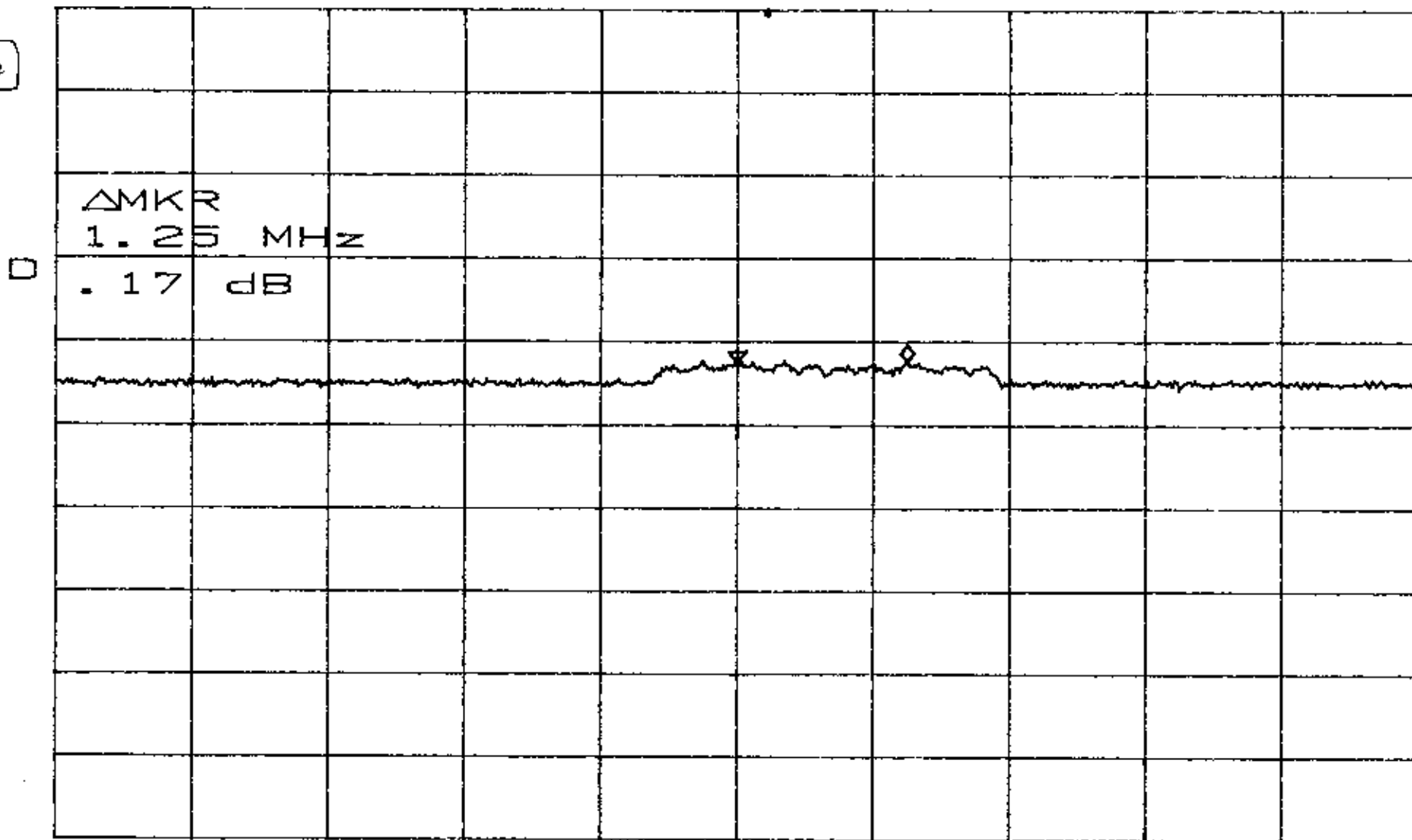
Δ MKR .17dB

RL -30.0dBm

10dB/

1.25MHz

2-tone



CENTER 1.89625GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30Hz

SWP 28.0sec

CDR 1ch x 7.1W
Representative Unit
(C-band tested)

UL
Repeater Set to Ch. 925 (1896.25 MHz)
Output Intermod

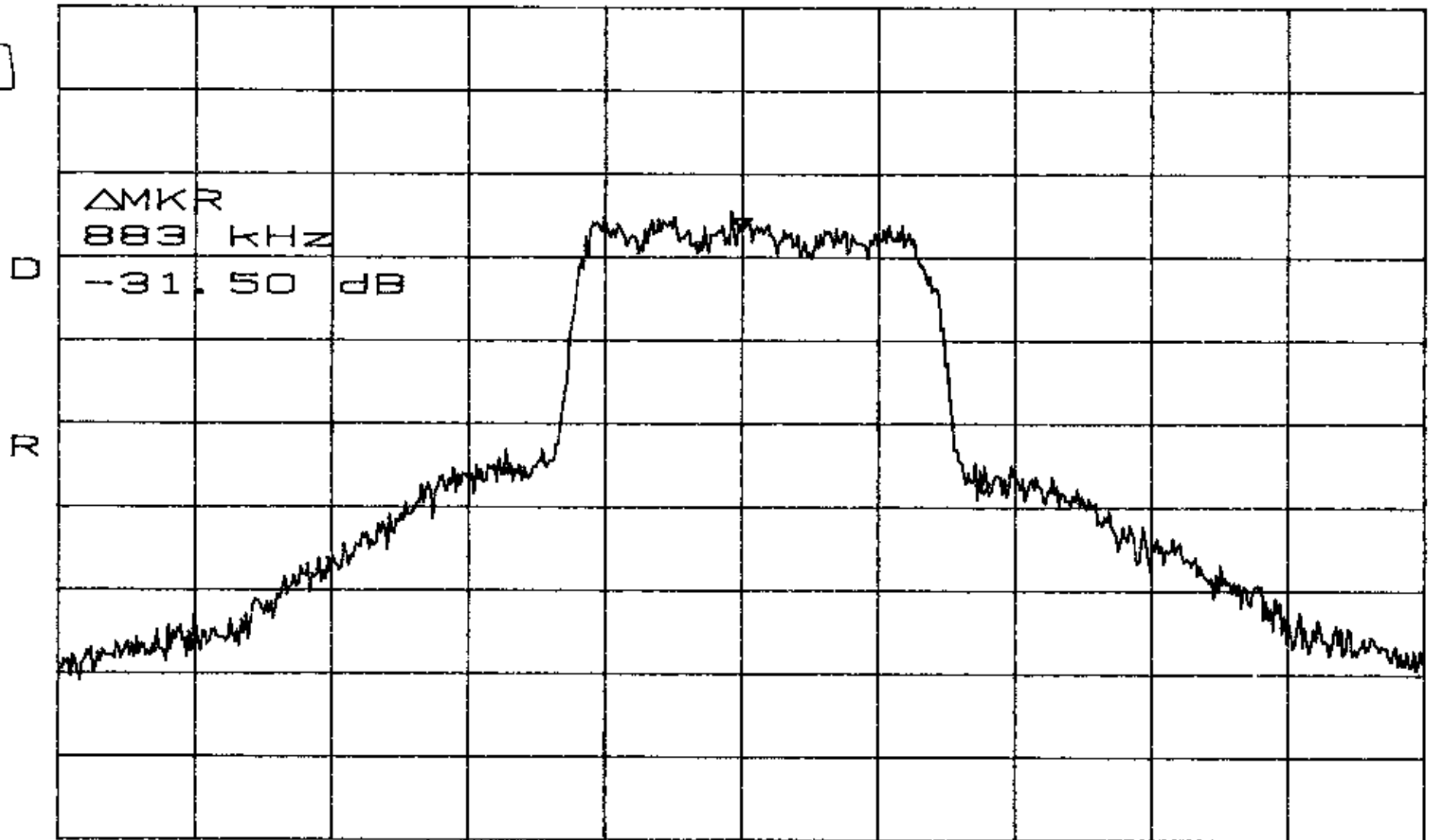
* $f_1 = 1896.25 \text{ MHz (Ch. 925)}$
* $f_2 = 1897.50 \text{ MHz (Ch. 950)}$

8/4/99
CDMA Sources

*ATTEN 30dB VAVG 10
RL 40.0dBm 10dB/

$\Delta \text{MKR} -31.50 \text{ dB}$
883kHz

2-tone



CENTER 1.896250GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* source input signals set to each get ~ 30.0 dBm output individually

CDR 1chx7.1W
Representative Unit
(C-band tested)

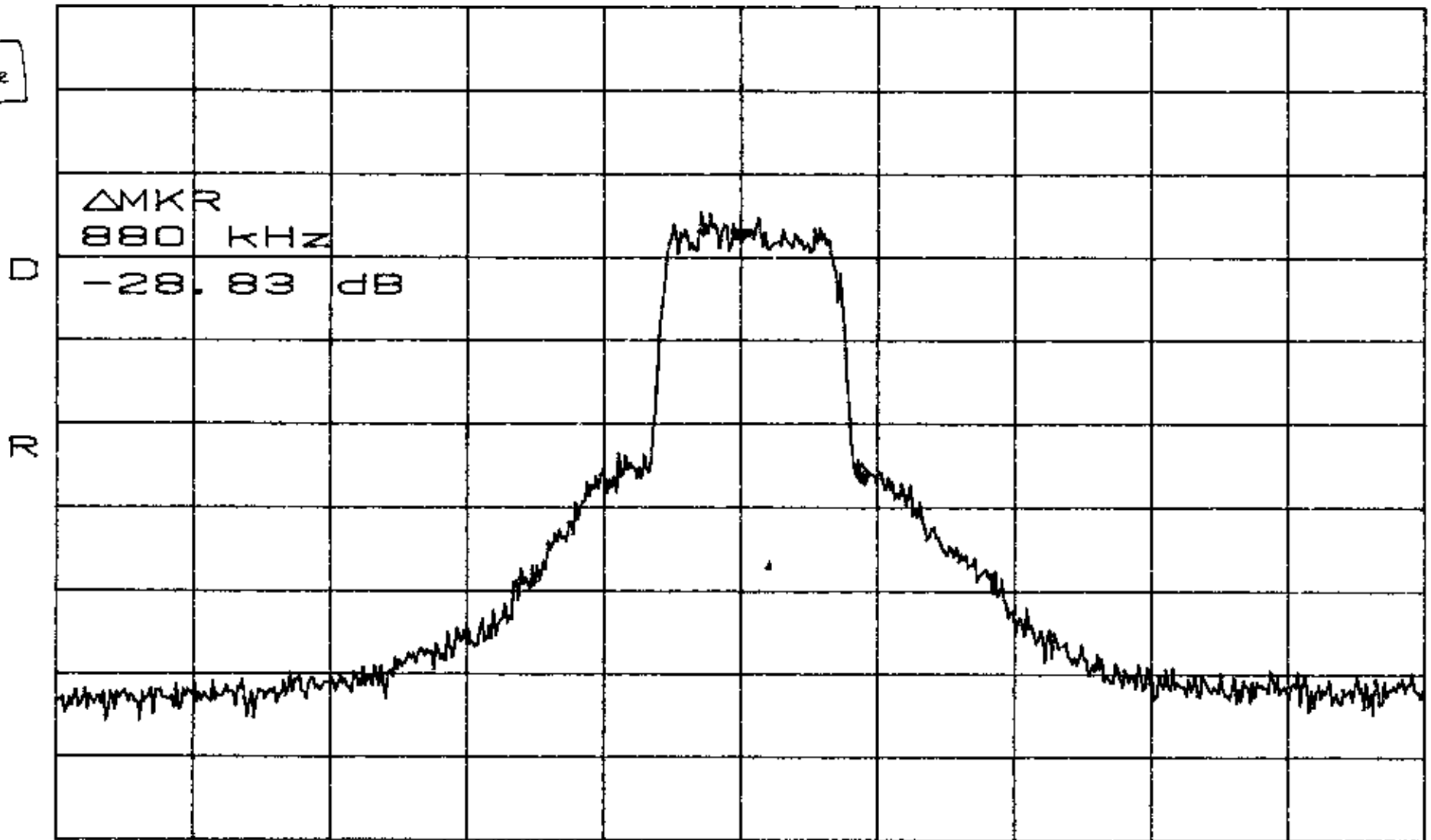
UL
Repeater Set to Ch. 925 (1896.25 MHz)
Output Intermod,

* $f_1 = 1896.25 \text{ MHz (Ch. 925)}$
* $f_2 = 1897.50 \text{ MHz (Ch. 930)}$

8/4/98
CDMA Source

*ATTN 30dB BPOE VAVG 10 ΔMKR -28.83dB
RL 40.0dBm 1dB/BP01 880KHz

2-tone



CENTER 1.89625GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

* source input signals set to each get ~30.0dBm output individually

A.11 CONDUCTED EMISSION DATA

2-TONE PLOTS FOR 2 CH X 1W (B-BAND)

See following page(s).

CDR 2ch x 1W
Representative Unit
(B-band)

DL Input
Repeater Set To: Ch.1 = 425 = 1951.25 MHz
Ch.2 = 450 = 1952.50 MHz

8/5/98
CDMA Source

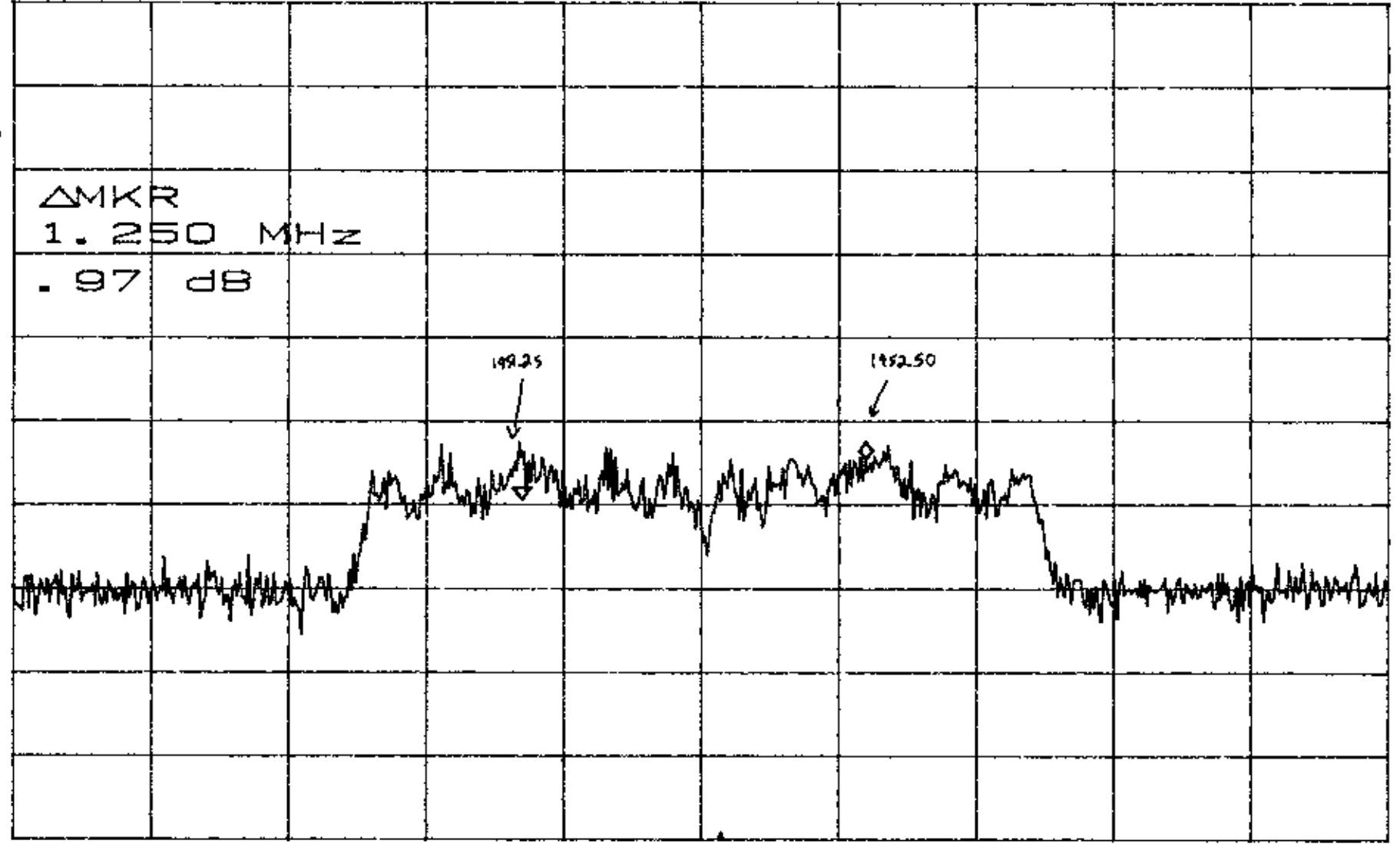
*ATTEN 30dB
RL -60.0dBm

VAVG 408
2dB/

ΔMKR .97dB
1.250MHz

2-tone

ΔMKR
1.250 MHz
.97 dB



CENTER 1.951900GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

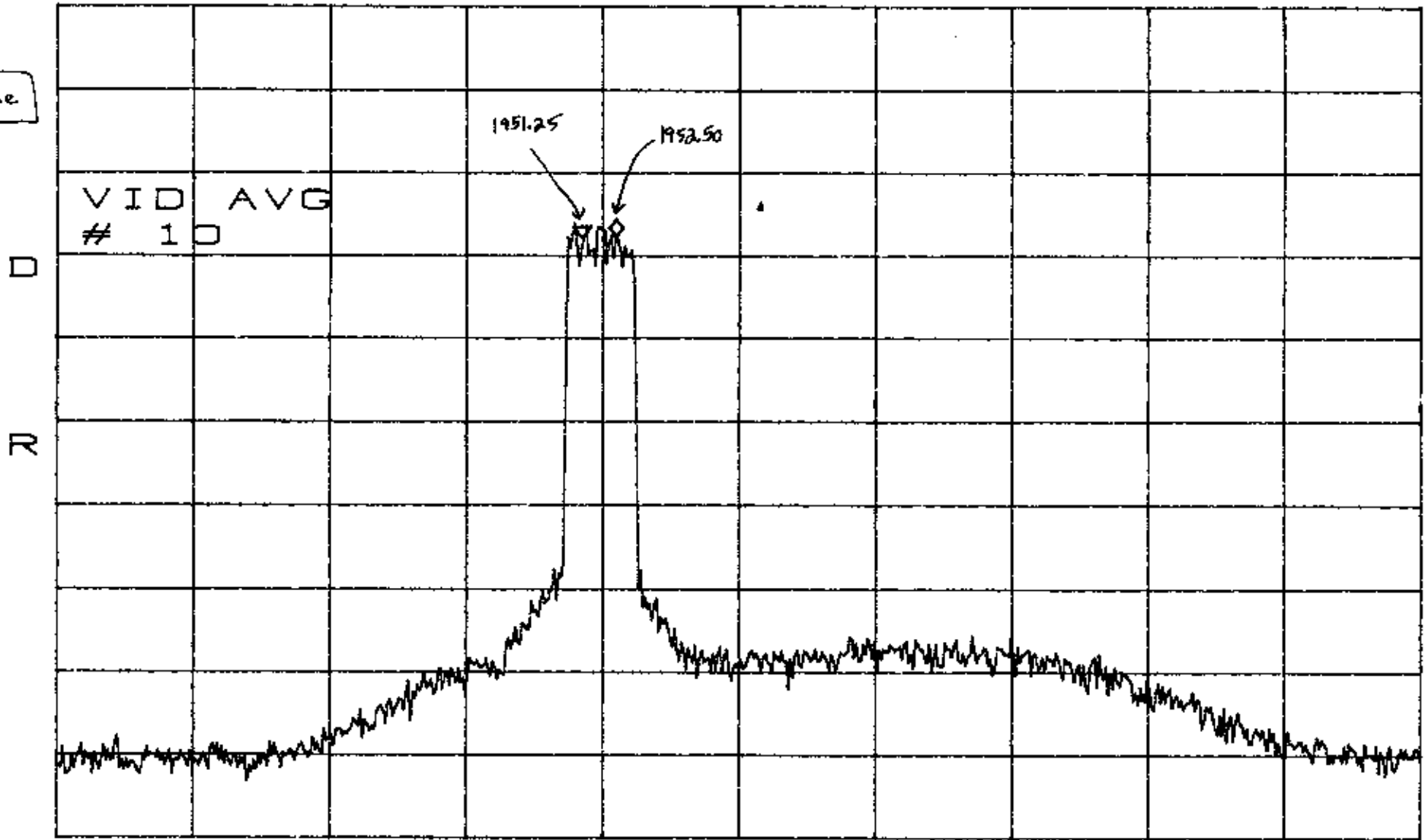
CDR 2ch x 1W
Representative Unit
(B-band)

DL Output Intermods
Repeater Set To: ch. 1 = 425 = 1951.25 *
ch. 2 = 450 = 1952.50 *

8/5/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR .16PB
RL 40.0dBm 10dB/BPOI 1.25MHz

2-tone



CENTER 1.95700GHZ SPAN 50.00MHZ
*RBW 30KHZ *VBW 30KHZ SWP 140ms

* input levels set to get maximum DL output (~30dBm) individually

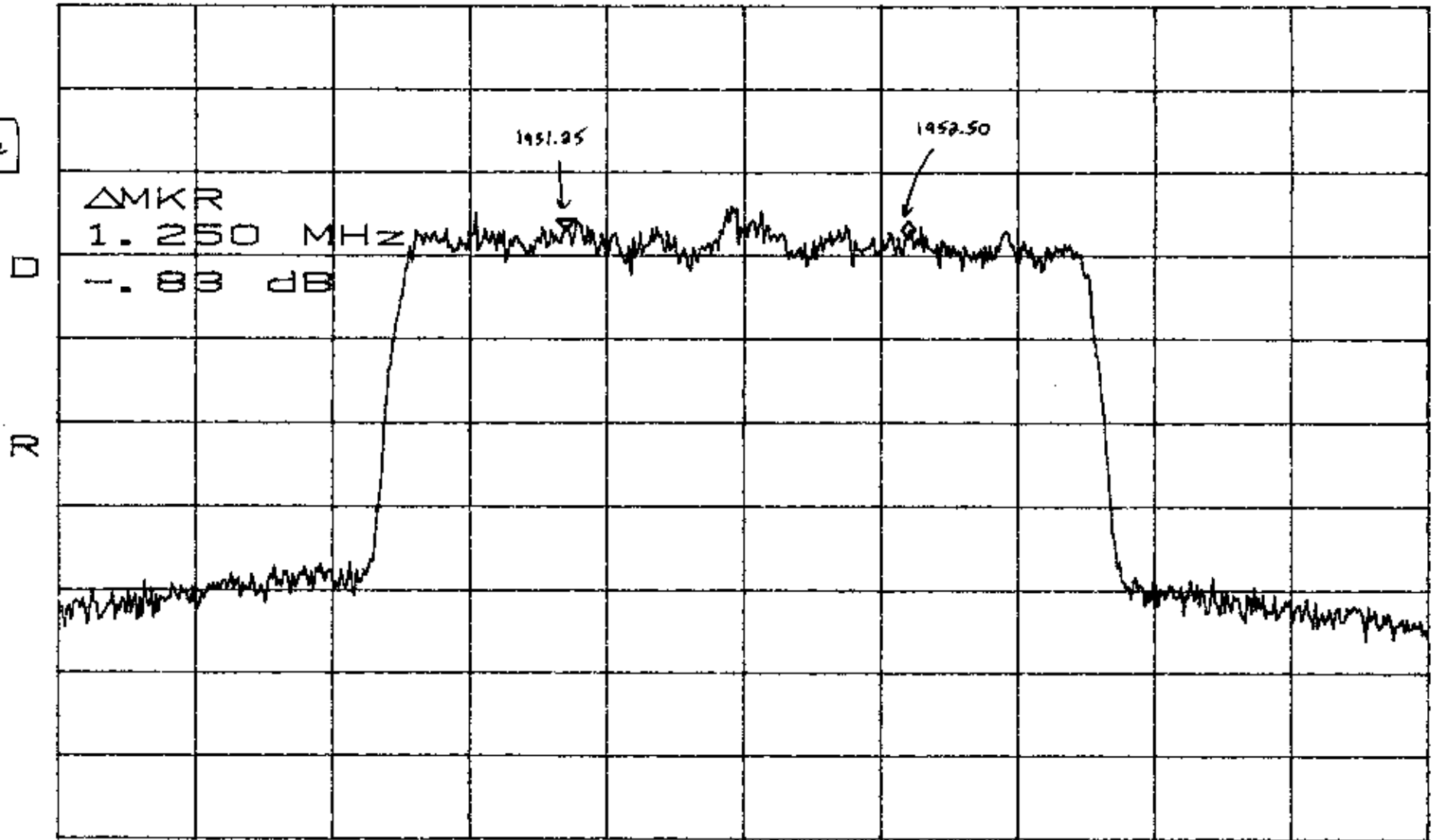
CDR 2ch x 1W
Representative Unit
(B-band)

DL Output Intermod
Repeater Set To: ch.1 = 425 = 1951.25 MHz
ch.2 = 450 = 1952.50 MHz

8/5/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR -.83dB
RL 40.0dBm 10dB/BPO1 1.250MHz

2-tone



CENTER 1.951900GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

* input levels set to get maximum DL output (~30dBm) individually

CDR 2chx1W
Representative Unit
(B-band)

DL Inputs
Repeater Set To: ch.1=425 (1951.25)
ch.2=550 (1957.50)

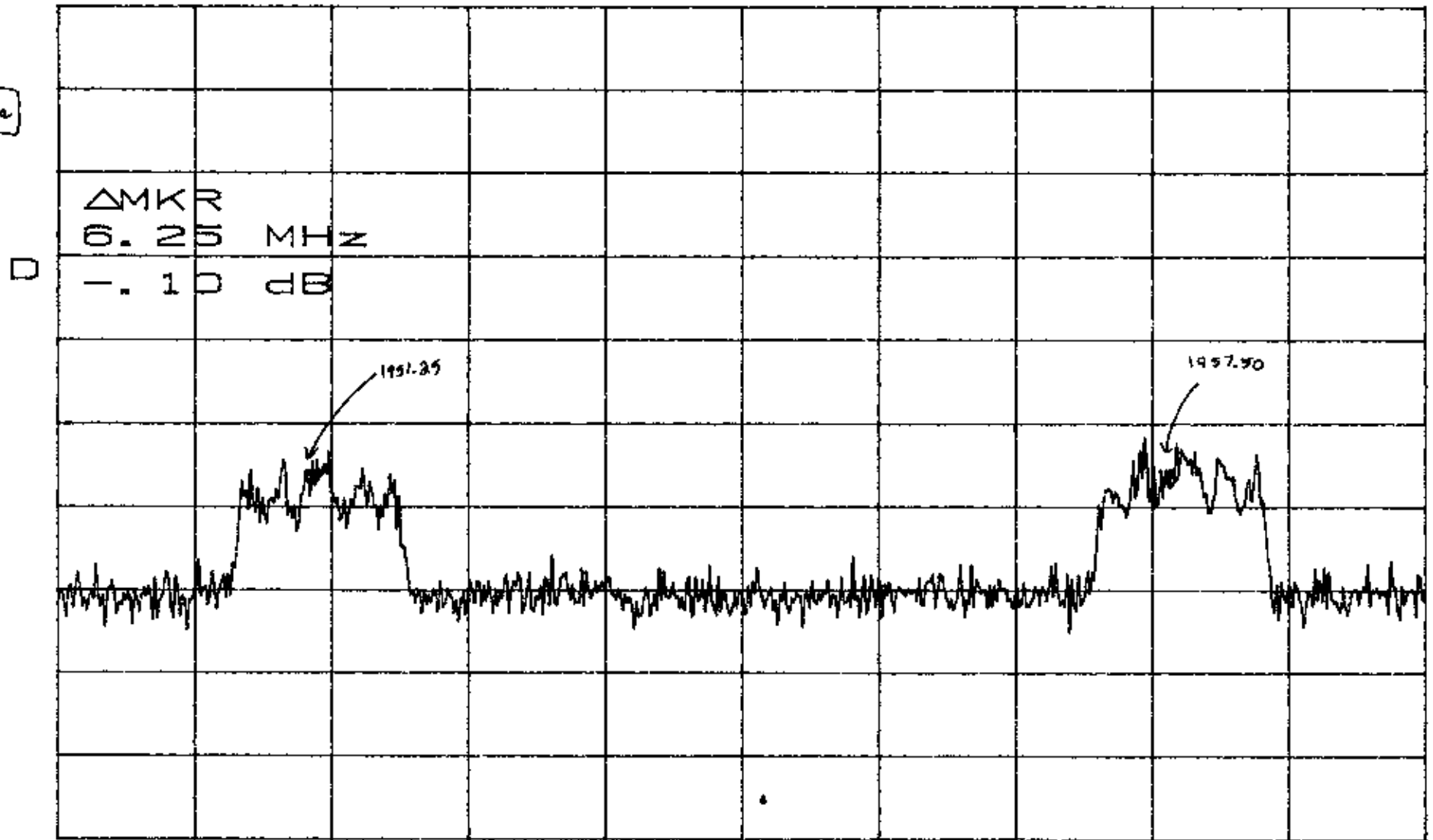
8/4/98
CDMA Source

*ATTEN 30dB
RL -60.0dBm

VAVG 353
2dB/

ΔMKR -.10dB
6.25MHz

2-tone



CENTER 1.95437GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

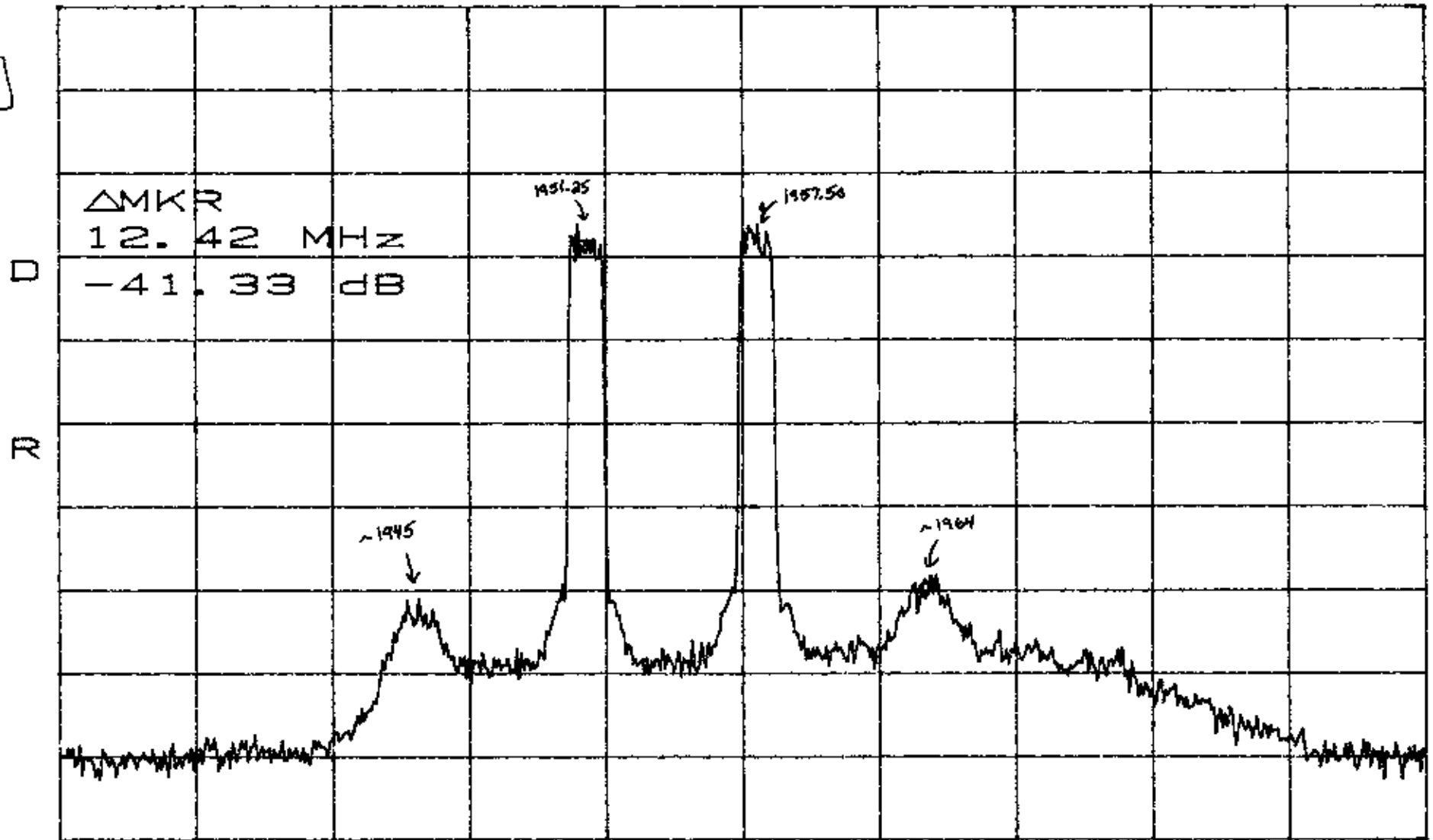
CDR 2ch x 1W
Representative Unit
(B-band)

DL Output Intermod
Repeater Set To: Ch.1 = 425 (1951.25)
Ch.2 = 550 (1957.50)

8/5/98
CDMA Sources

*ATTN 30dB BPOE 10 ΔMKR -41.33dB
RL 40.0dBm 10dB/BPOI 12.42MHz

2-tone



CENTER 1.95700GHz

SPAN 50.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 140ms

*input levels set to get maximum DL output (~30dBm) individually

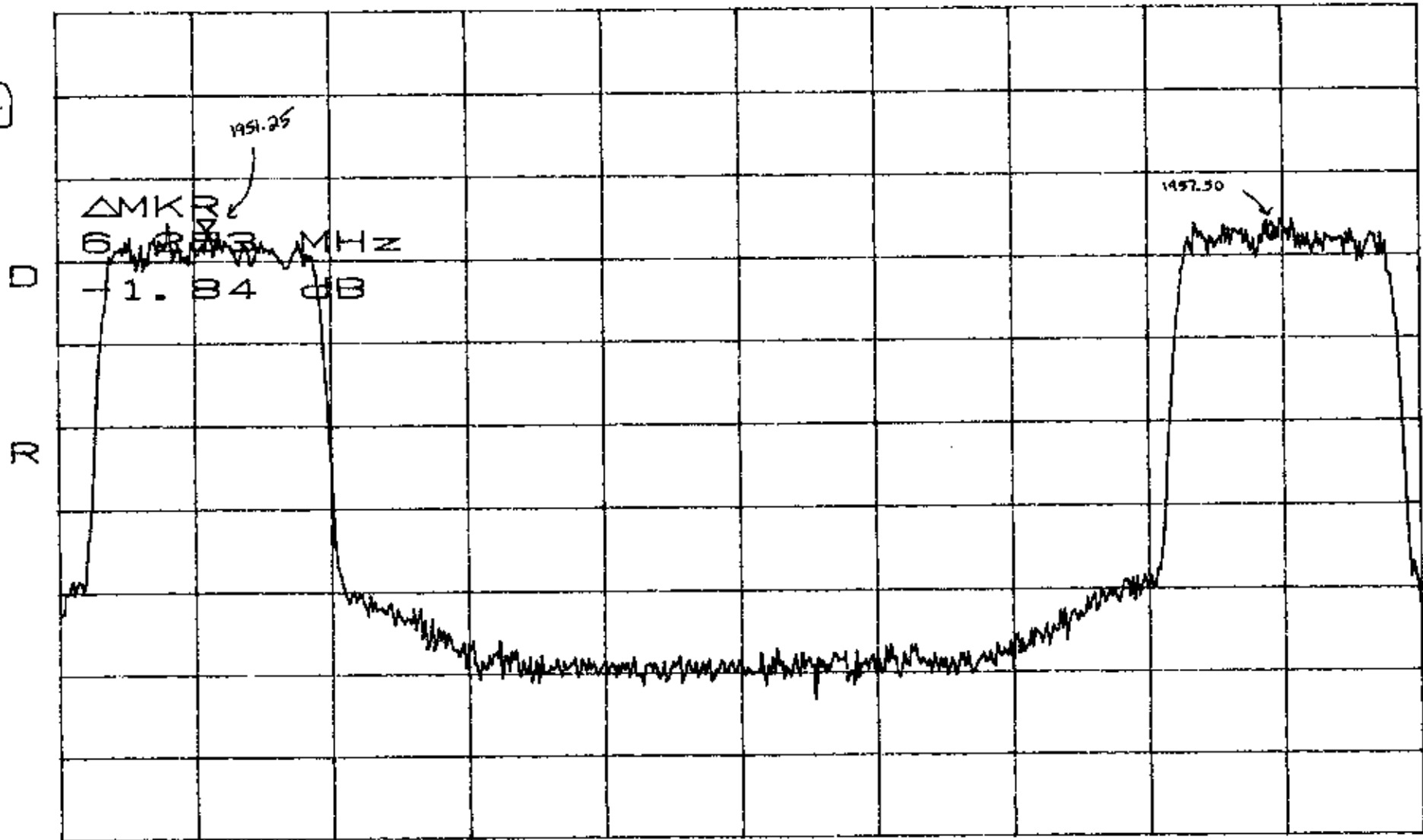
CDR 2ch=1W
Representative Unit
(B-band)

DL Output Intermod
Repeater Set To: Ch.1=425(1951.25)
Ch.2=550(1957.50)

8/5/98
CDMA Source

*ATTEN 30dB VAVG 10 Δ MKR -1.84dB
RL 40.0dBm 10dB/BP0 6.253MHz

2-tone



CENTER 1.954370GHz

SPAN 8.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

*input levels set to get maximum DL output (~30dBm) individually

CVR 2ch x 1W
Representative Unit
(B-band)

UL Inputs
Repeater Set To: ch.1 = 425 = 1871.25 MHz
ch.2 = 450 = 1872.50 MHz

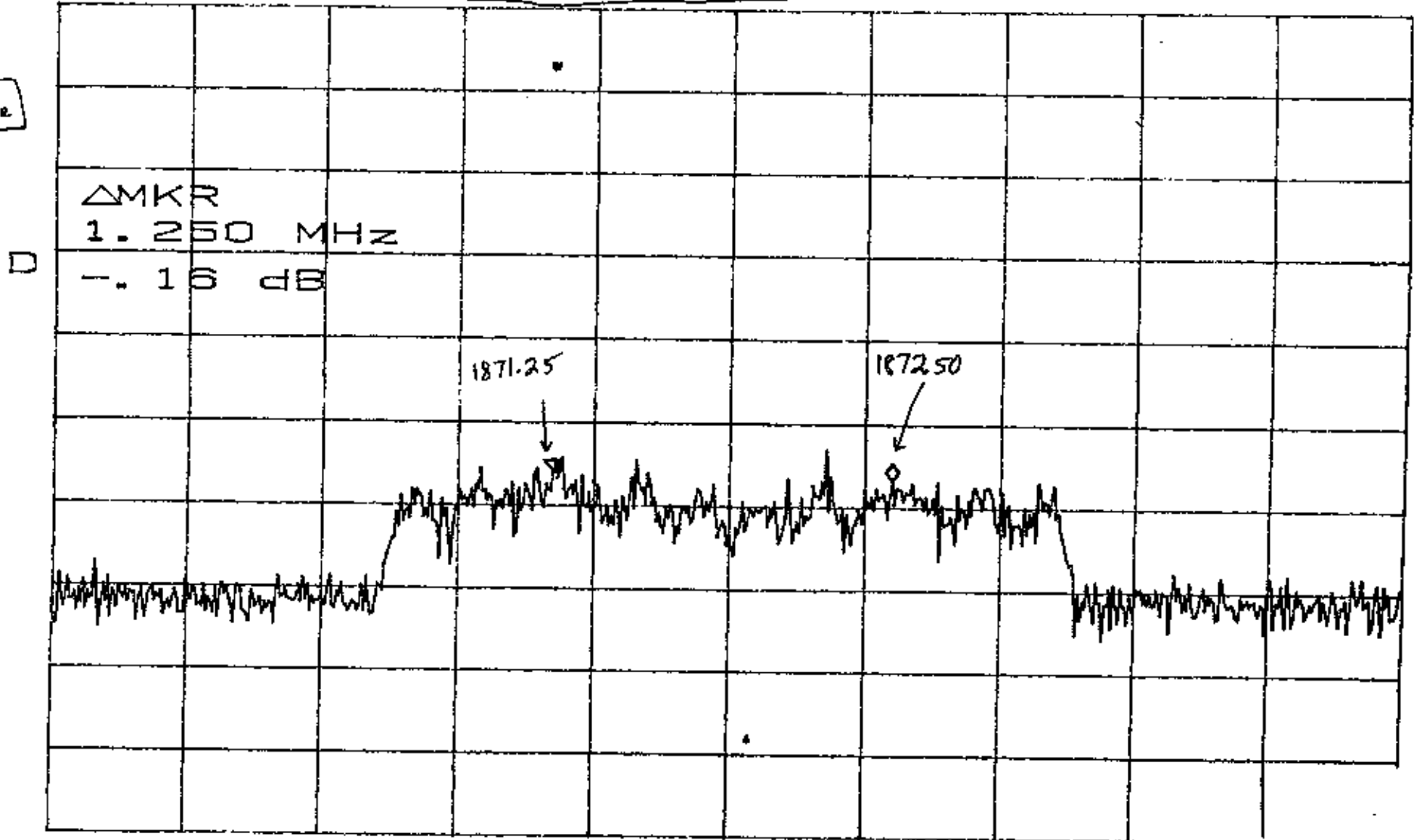
8/5/08
CDMA Sources

*ATTN 30dB
RL -60.0dBm

VAVG 245
2dB/

Δ MKR -.16dB
1.250MHz

2-tone



CENTER 1.871900GHz
*RBW 30kHz *VBW 30kHz

SPAN 5
SWT

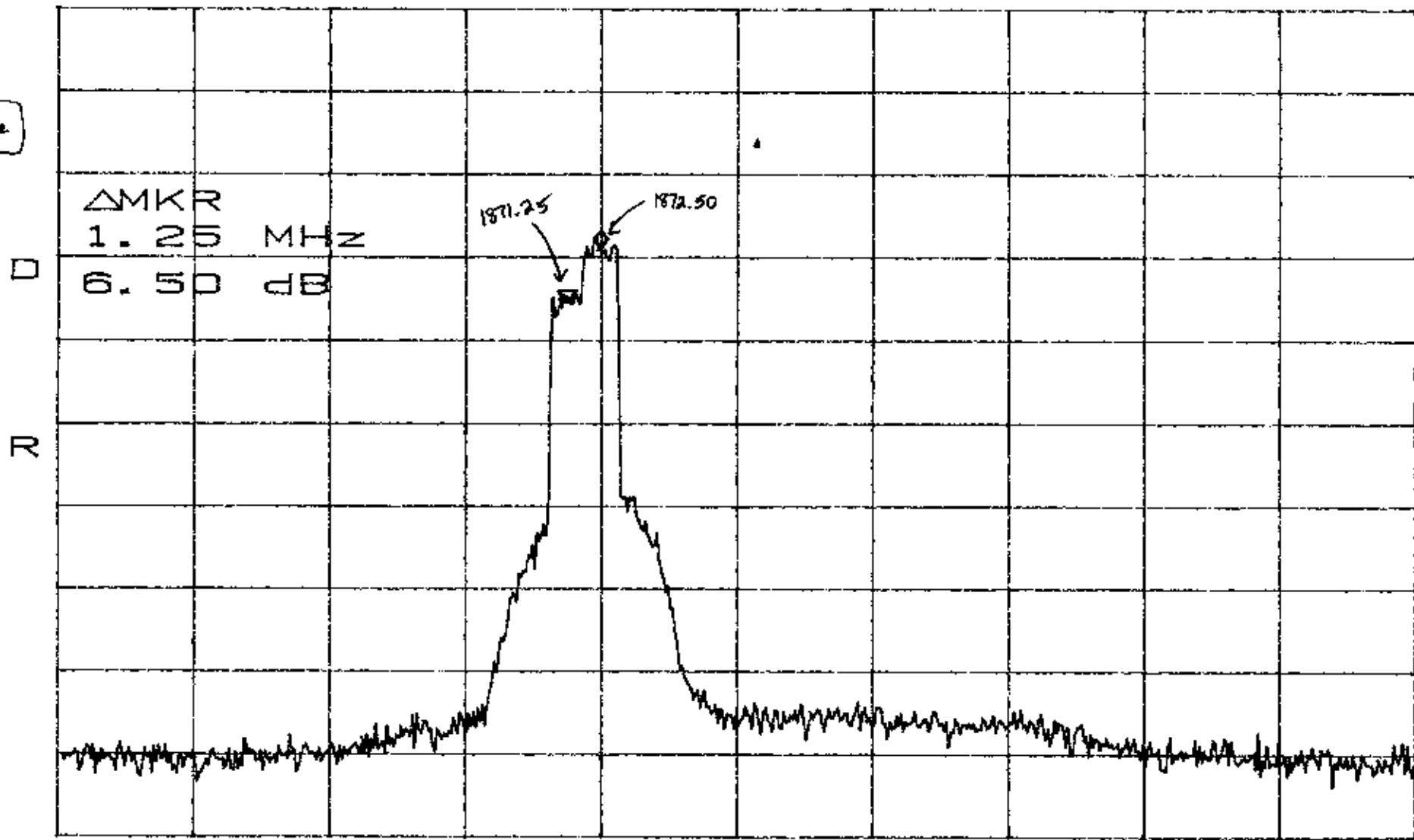
CDR 2chx1W
Representative Unit
(B-band)

UL Output Intermod:
Repeater Set To: ch.1 = 425 = 1871.25 MHz *
ch.2 = 450 = 1872.50 MHz

8/5/98
CDMA Source

*ATTN 30dB VAVG 10 ΔMKR 6.50dB
RL 40.0dBm 10dB/BPO1 1.25MHz

2-tone



CENTER 1.87750GHz SPAN 50.00MHz
*RBW 30kHz *VBW 30kHz SWP 140ms
* inputs set to get maximum UL output (~30dBm) individually (Δ is due to peak limiting)

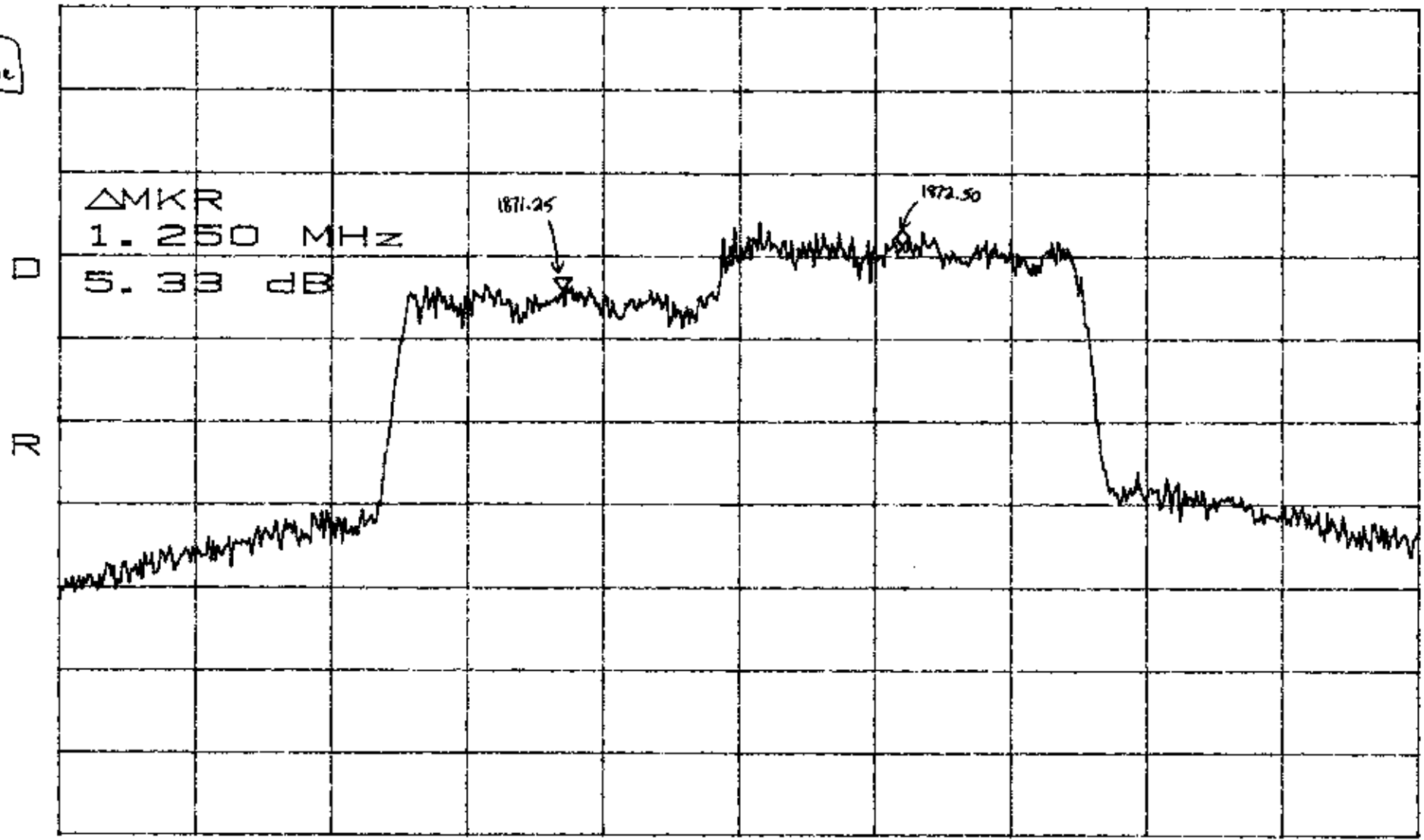
CDR 2ch x1W
Representative Unit
(B-band)

UL Output Intermod
Repeater Set To: Ch.1 = 425 = 1871.25 MHz *
Ch.2 = 450 = 1872.50 MHz *

8/5/98
CDMA Sources

*ATTEN 30dB BPOE 10 VAVG 5.33dB
RL 40.0dBm /BPO1 1.25MHz

2-tone



CENTER 1.871900GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms
*inputs set to get maximum UL output (~30dBm) individually (Δ is due to gain difference)

CDR 2chx1W
Representative Unit
(B-band)

UL Inputs
Repeater Set To: Ch.1 = 425 = 1871.25 MHz
Ch.2 = 450 = 1877.50 MHz

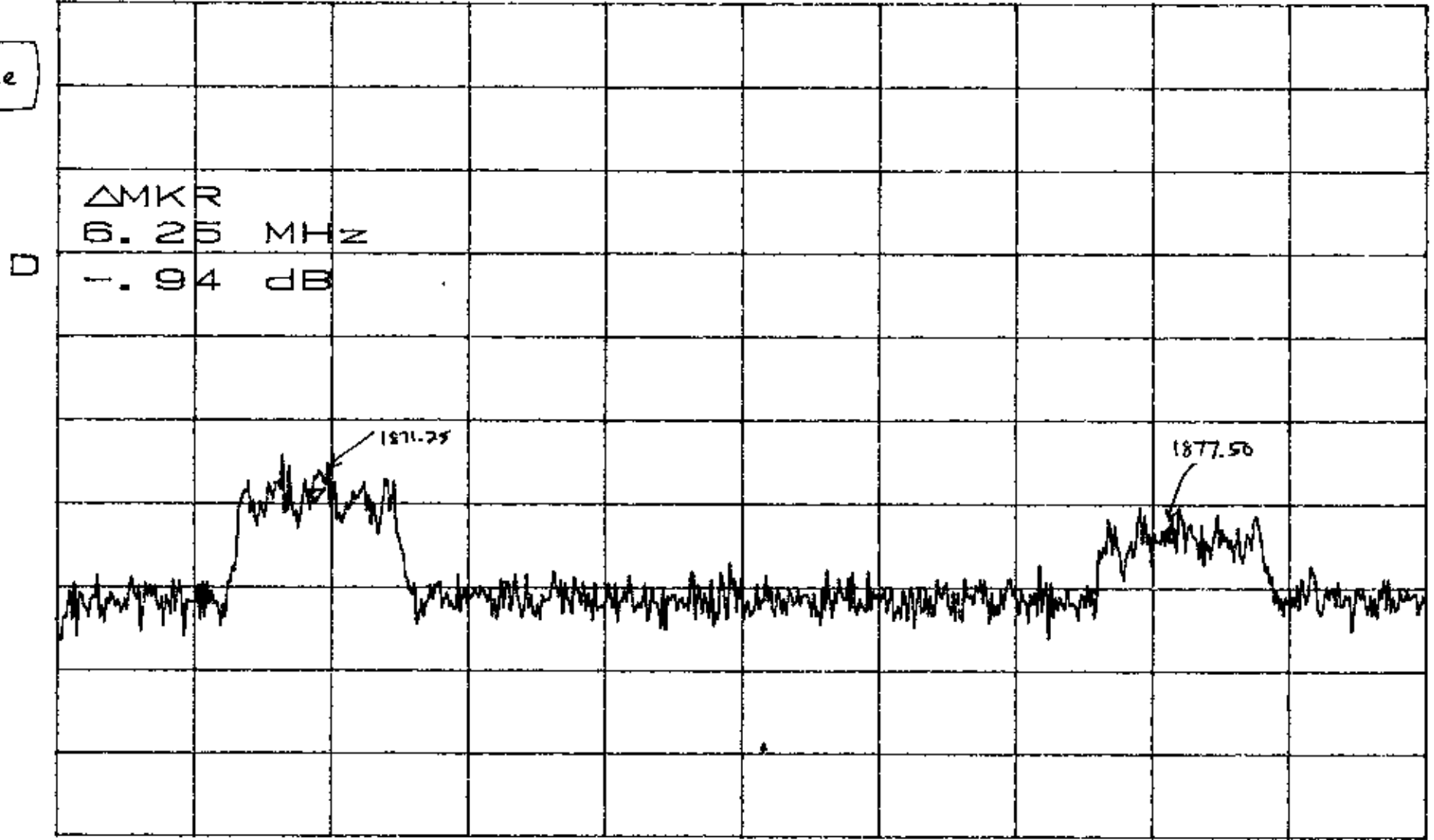
8/5/98
CDMA Sources

*ATTN 30dB
RL -60.0dBm

VAVG 294
2dB/BP2

ΔMKR -.94dB
6.25MHz

2-tone



CENTER 1.87437GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

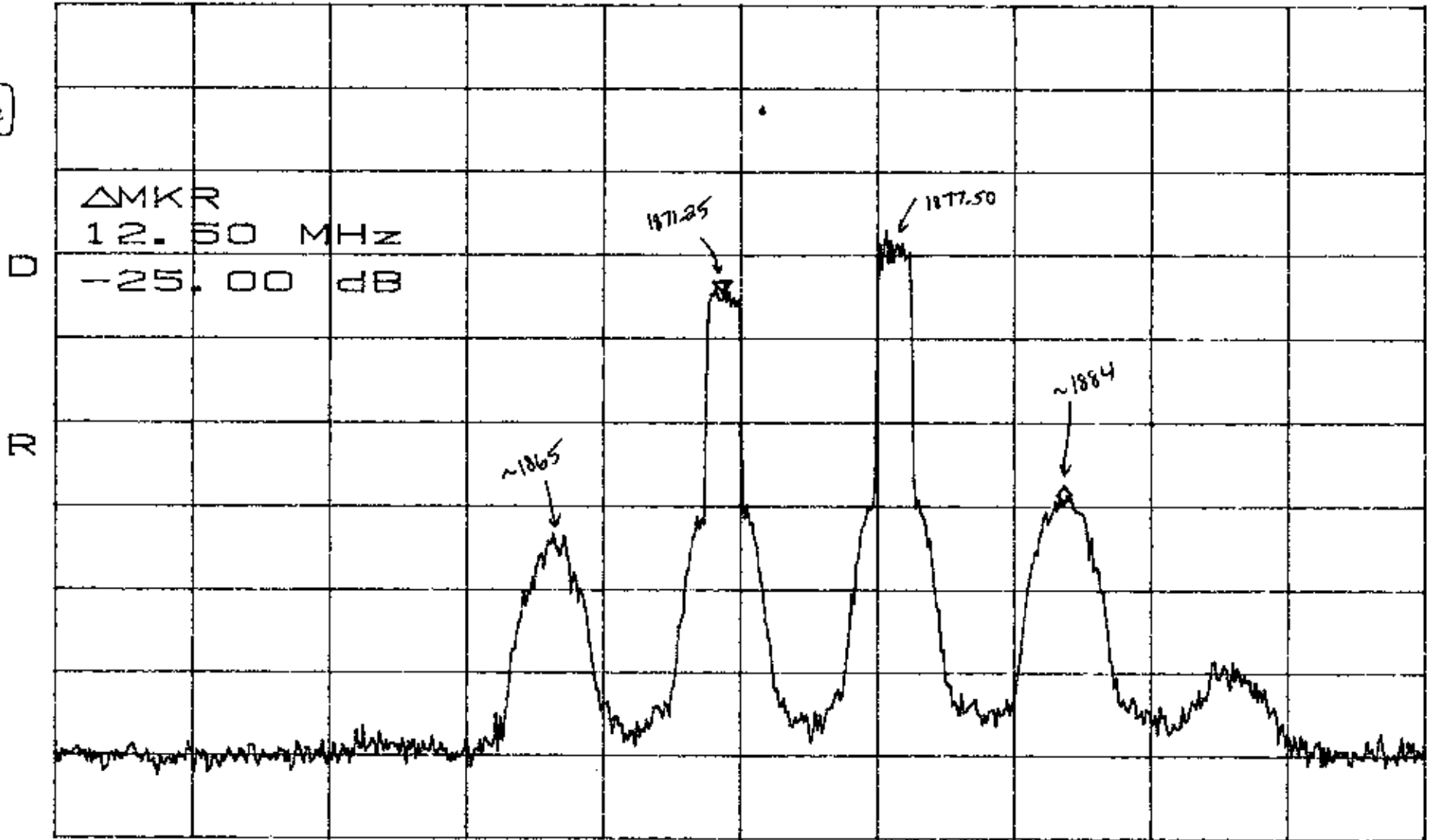
CDR 2ch x 1W
Representative Unit
(B-band)

UL Output Intermod
Repeater Set To: Ch.1 = 425 = 1871.25MHz *
Ch.2 = 550 = 1877.50 MHz *

8/5/98
CDMA Source

*ATTEN 30dB VAVG 01 ΔMKR -25.00dB
RL 40.00dBm 10dB/BPO1 12.50MHz

2-tone



CENTER 1.87190GHz

SPAN 50.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 140ms

* input levels set to get maximum UL output (~30dBm) individually

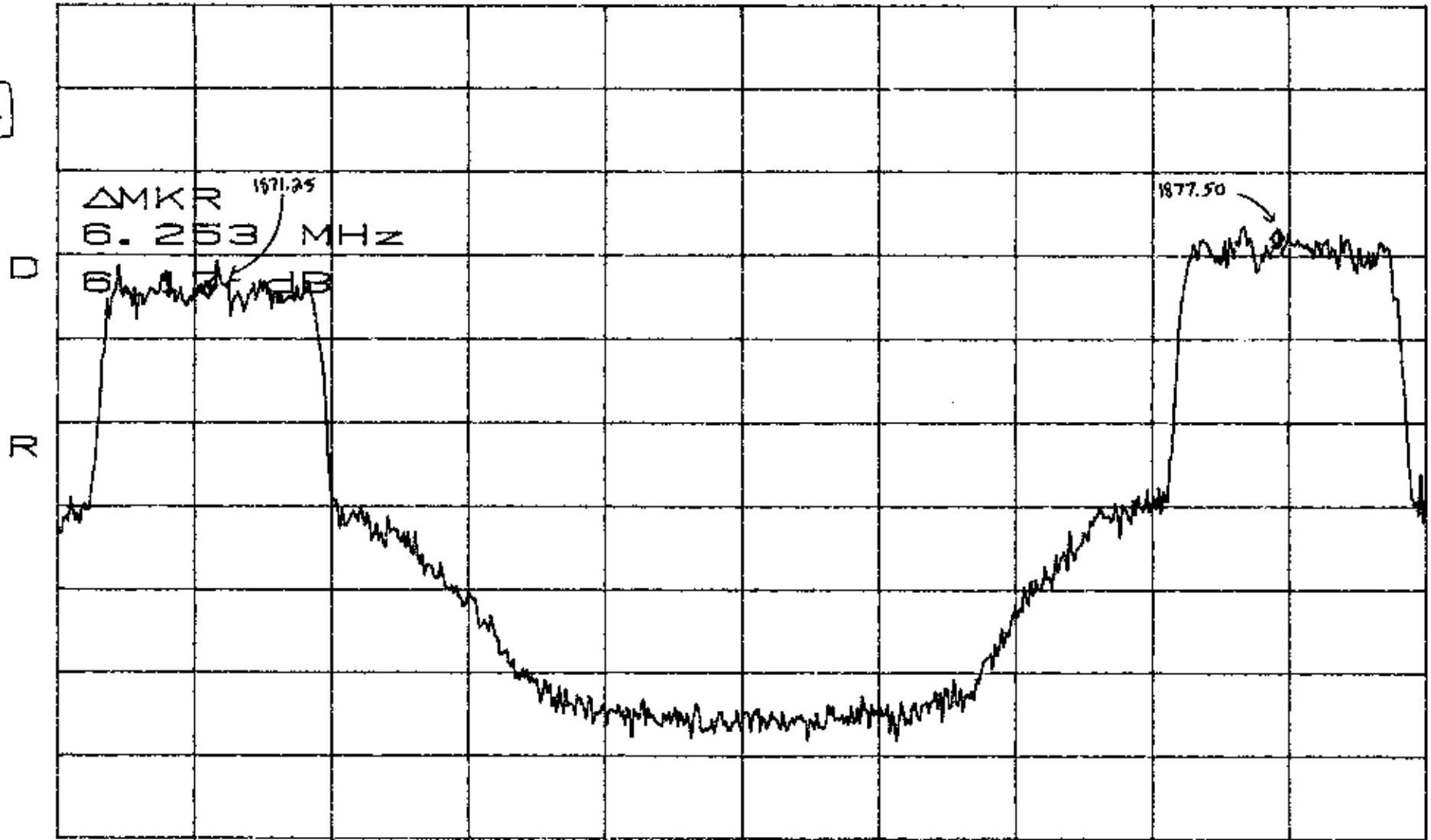
COR 2ch x 1W
Representative Unit
(B-band)

UL Output Intermods
Repeater Set To: ch 1 = 425 = 1871.25 MHz *
ch 2 = 550 = 1877.50 MHz *

8/5/98
CDMA Sources

*ATTN 30dB BPOB VAVG 10 ΔMKR 8.17dB
RL 40.0dBm 10dB/BPO1 8.253MHz

2-tone



CENTER 1.874370GHz SPAN 8.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* input levels set to get maximum UL output (~30dBm) individually

A.12 CONDUCTED EMISSION DATA

2-TONE PLOTS FOR 2 CH X 2W (B-BAND)

See following page(s).

CDR 2ch x2W
Representative Unit
(B-band)

DL Inputs
Repeater Set To: ch.1 = 425 (1951.25)
ch.2 = 480 (1952.50MHz)

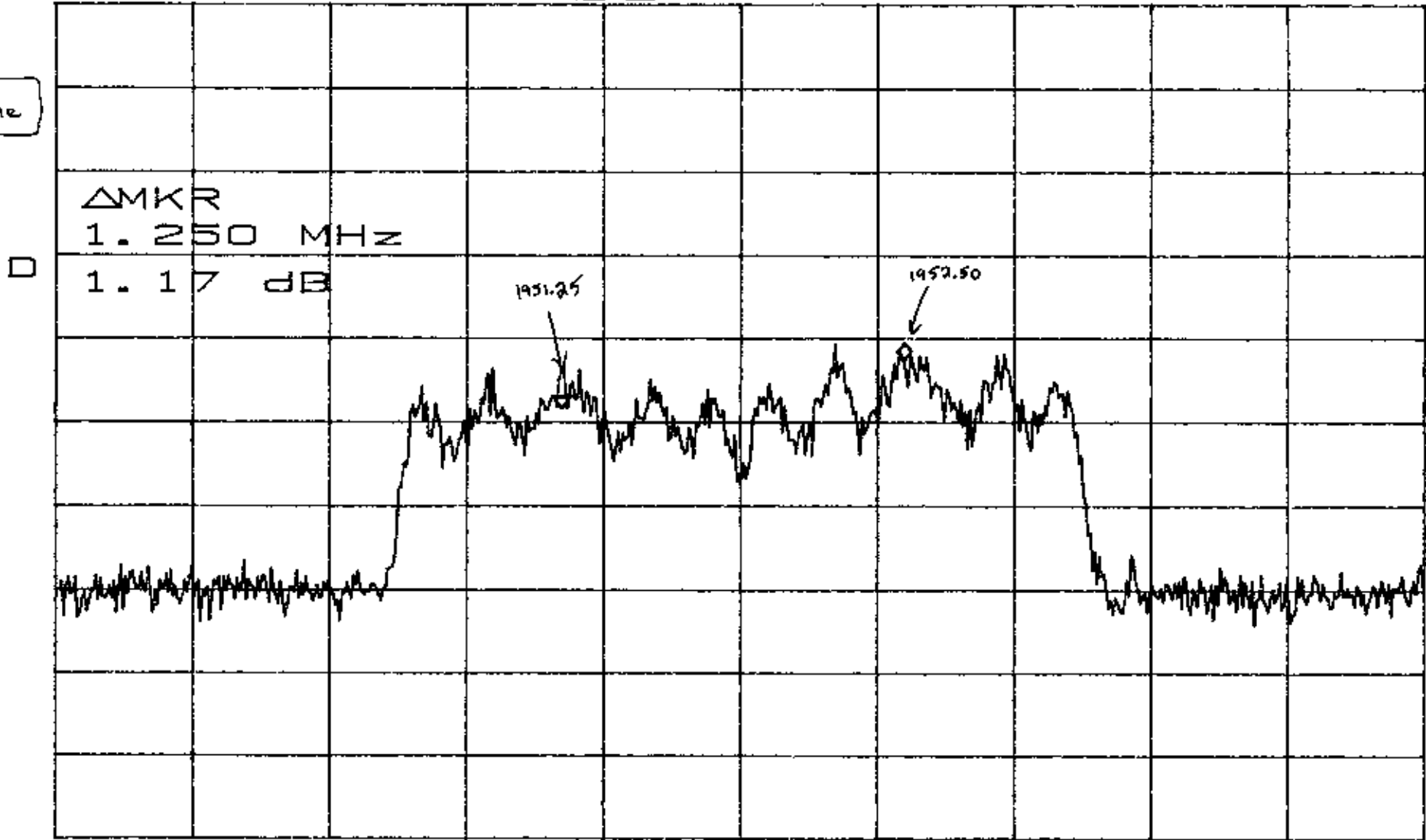
8/4/98
CDMA Source

*ATTEN 30dB
BPOE 30dB
RL -60.0dBm

VAVG 515
2dB/BP2

ΔMKR 1.17dB
1.250MHz

2-tone



CENTER 1.951900GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

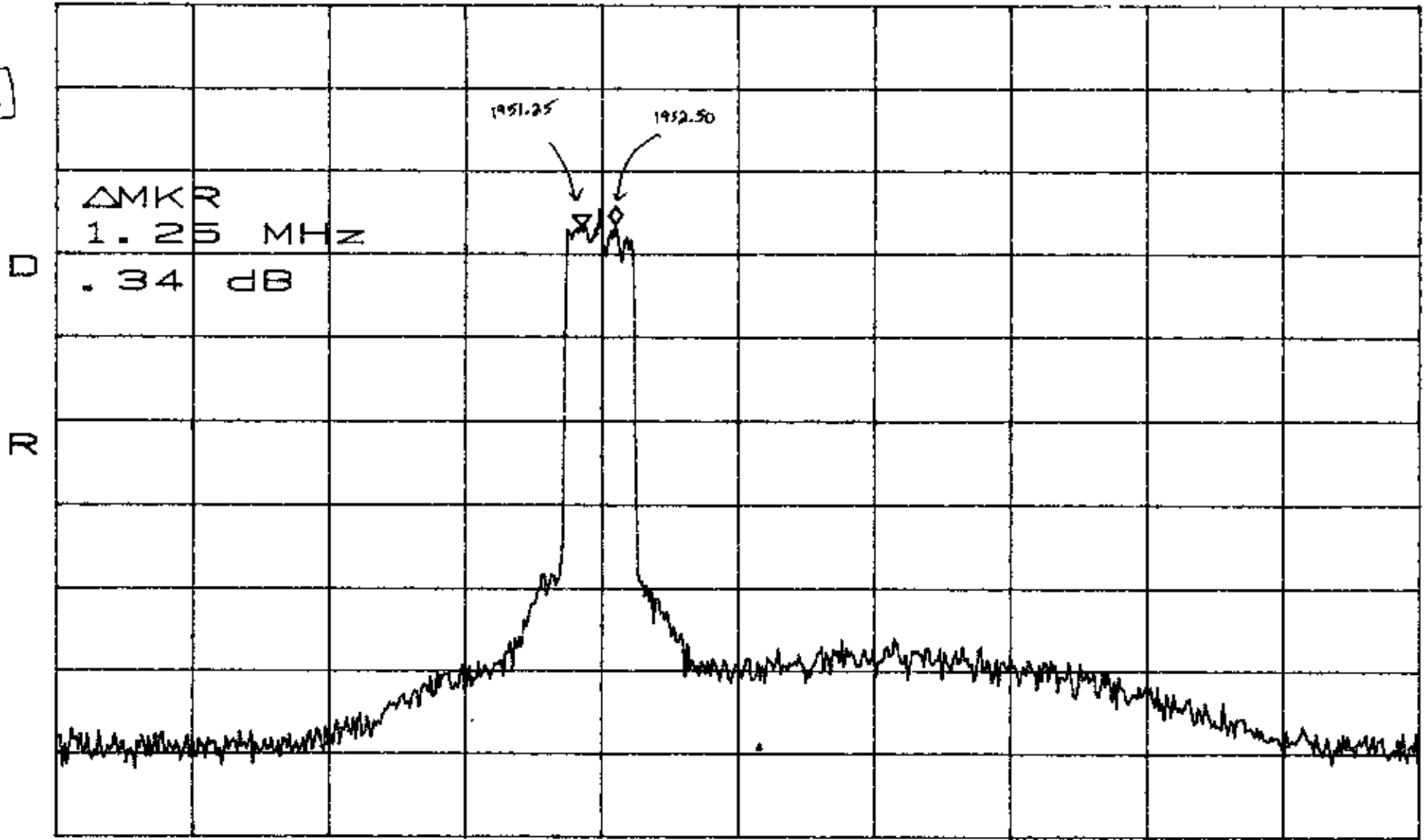
CDR 2chx2W
Representative Unit
(B-band)

DL Output Intermod
Repeater Set To: ch.1 = 425 = 1951.25MHz *
ch.2 = 450 = 1952.50 MHz *

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR .34dB
RL 40.0dBm 10dB/ 1.25MHz

2-tone



CENTER 1.95700GHz SPAN 50.00MHz
*RBW 30kHz *VBW 30kHz SWP 140ms

* input levels set to get maximum DL output (~33dBm) individually

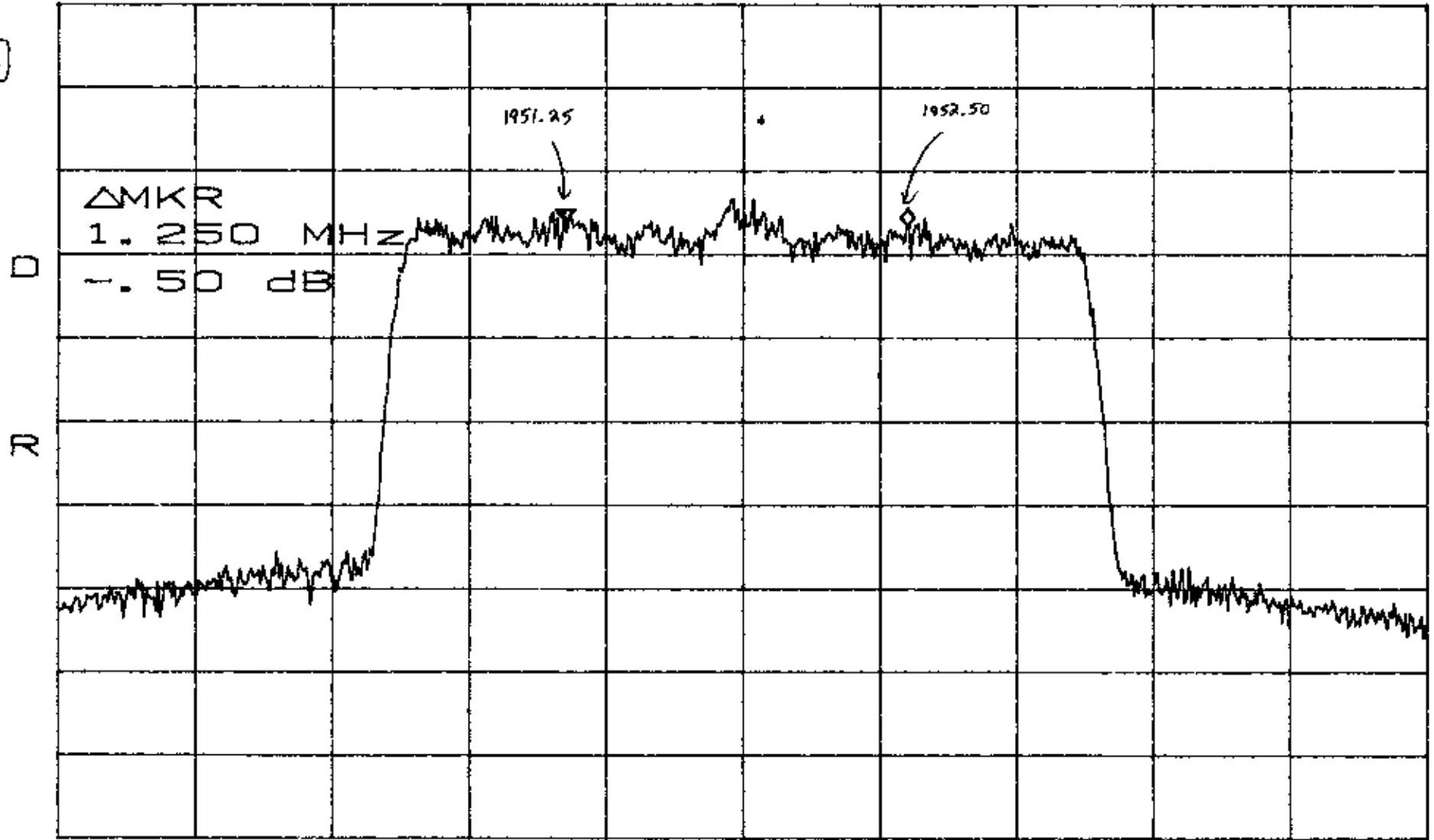
CDR 2ch=2W
Representative Unit
(B-band)

DL Output Intermod
Repeater Set To: ch.1=425=1951.25MHz *
ch.2=450=1952.50MHz *

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR -.50dB
RL 40.0dBm 10dB/BP0 1.250MHz

2-tone



CENTER 1.951900GHz SPAN 5.000MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

* input levels set to get maximum DL output (~33dBm) individually

CDR 2chx2W
Representative Unit
(B-band)

DL Inputs
Repeater Set To: Ch.1 = 425 (1951.25)
Ch.2 = 550 (1957.50)

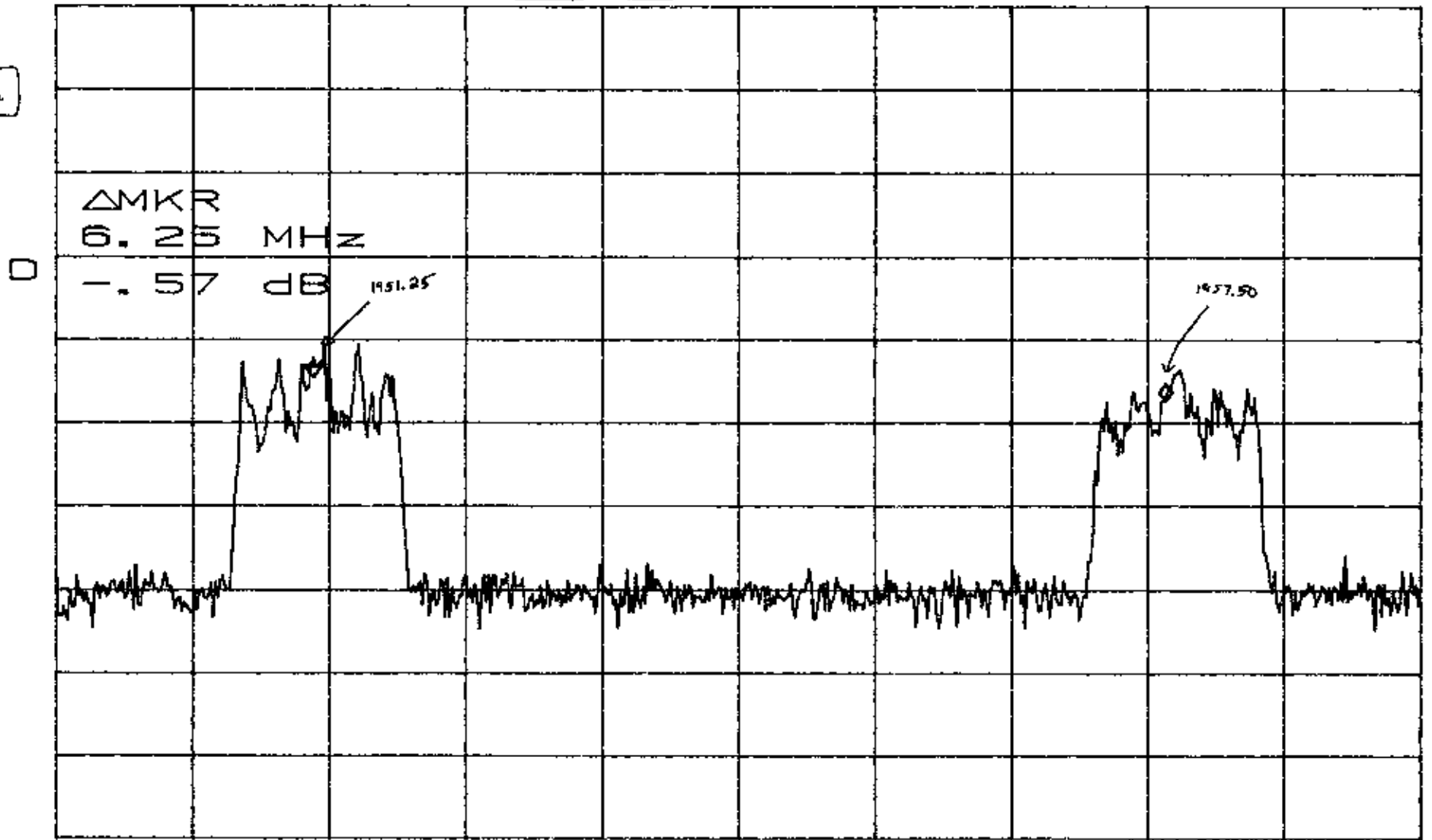
8/4/98
CDMA Sources

*ATTEN 30dB
RL -60.0dBm

VAVG 429
2dB/BPZ

ΔMKR -.57dB
6.25MHz

2-tone



CENTER 1.95437GHz

SPAN 10.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

CDR 2chx2W
Representative Unit
(B-band)

DL Output Intermod
Repeater Set To: Ch.1 = 425 (1951.25)*
Ch.2 = 550 (1957.50)*

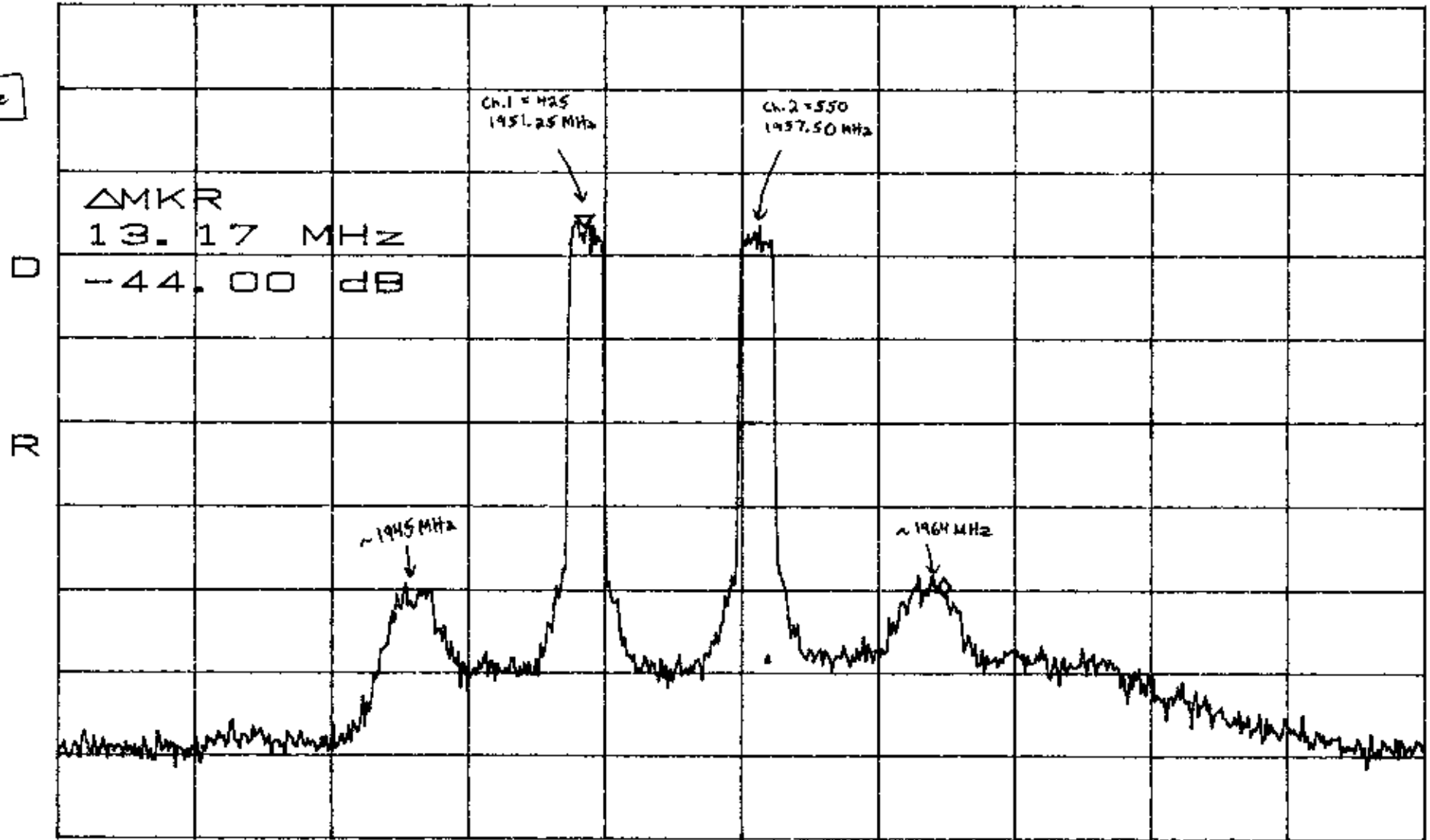
8/4/98
CDMA Source

*ATTEN 30dB
RL 40.0dBm

VAVG 10
10dB/BPOI

Δ MKR -44.00dB
13.17MHz

2-tone



CENTER 1.95700GHz

SPAN 50.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 140ms

* input levels set to get maximum DL output (~33dBm) individually

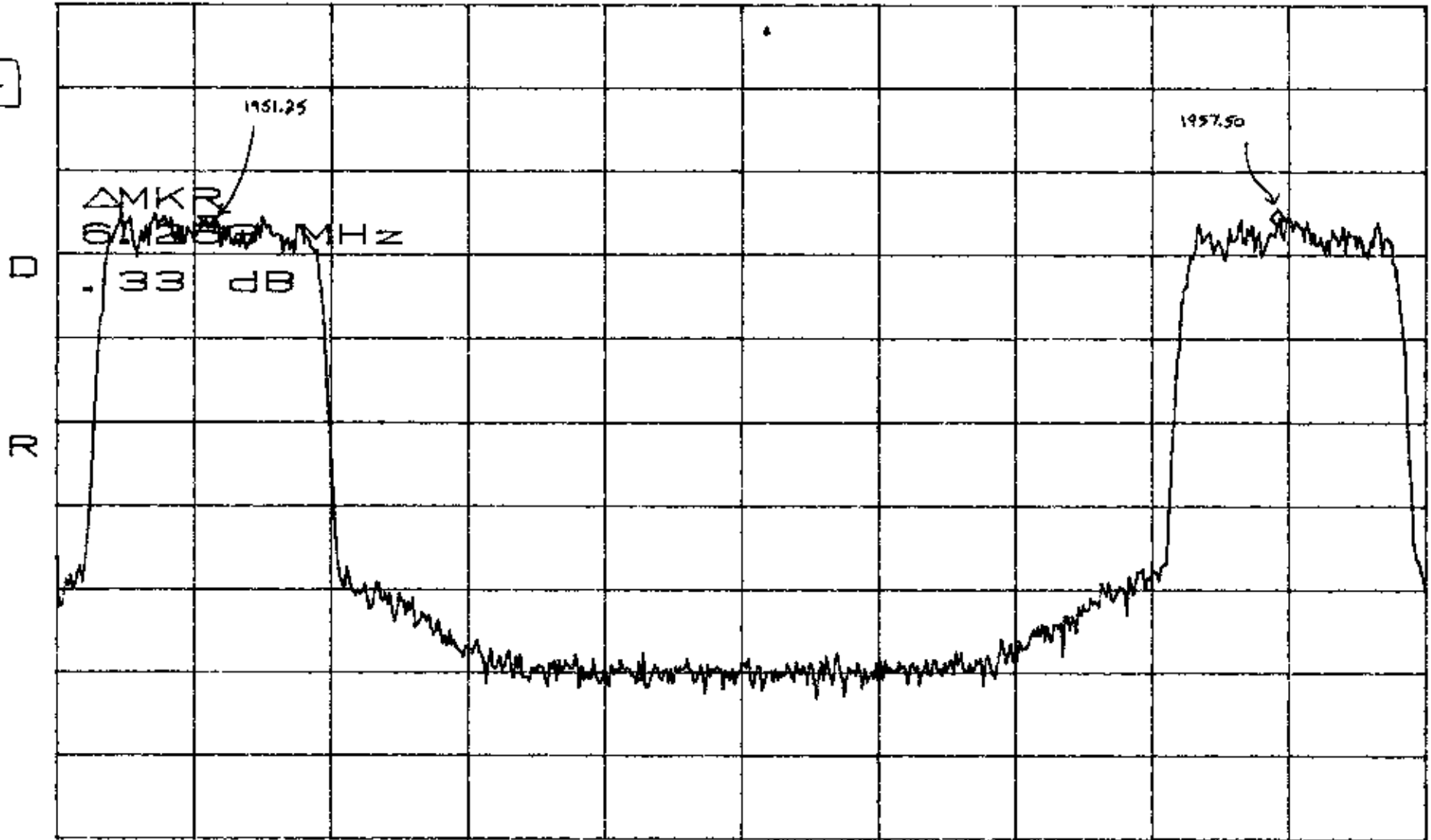
CDR 2ch x 2W
Representative Unit
(B-band)

DL Output Intermods
Repeater Set To: Ch.1 = 425 (1951.25) *
Ch.2 = 550 (1957.50) *

8/4/98
CDMA Sources

*ATTEN 30dB VAVG 10 ΔMKR .33dB
RL 40.0dBm 10dB/ 6.253MHz

2-tone



CENTER 1.954370GHz

SPAN 8.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

* input levels set to get maximum DL output (~33dBm) individually

CDR 2ch x 2W
Representative Unit
(B-band)

UL Inputs
Repeater Sat To:

ch.1 = 425 = 1871.25MHz
ch.2 = 450 = 1872.50MHz

8/4/98
CDMA Sources

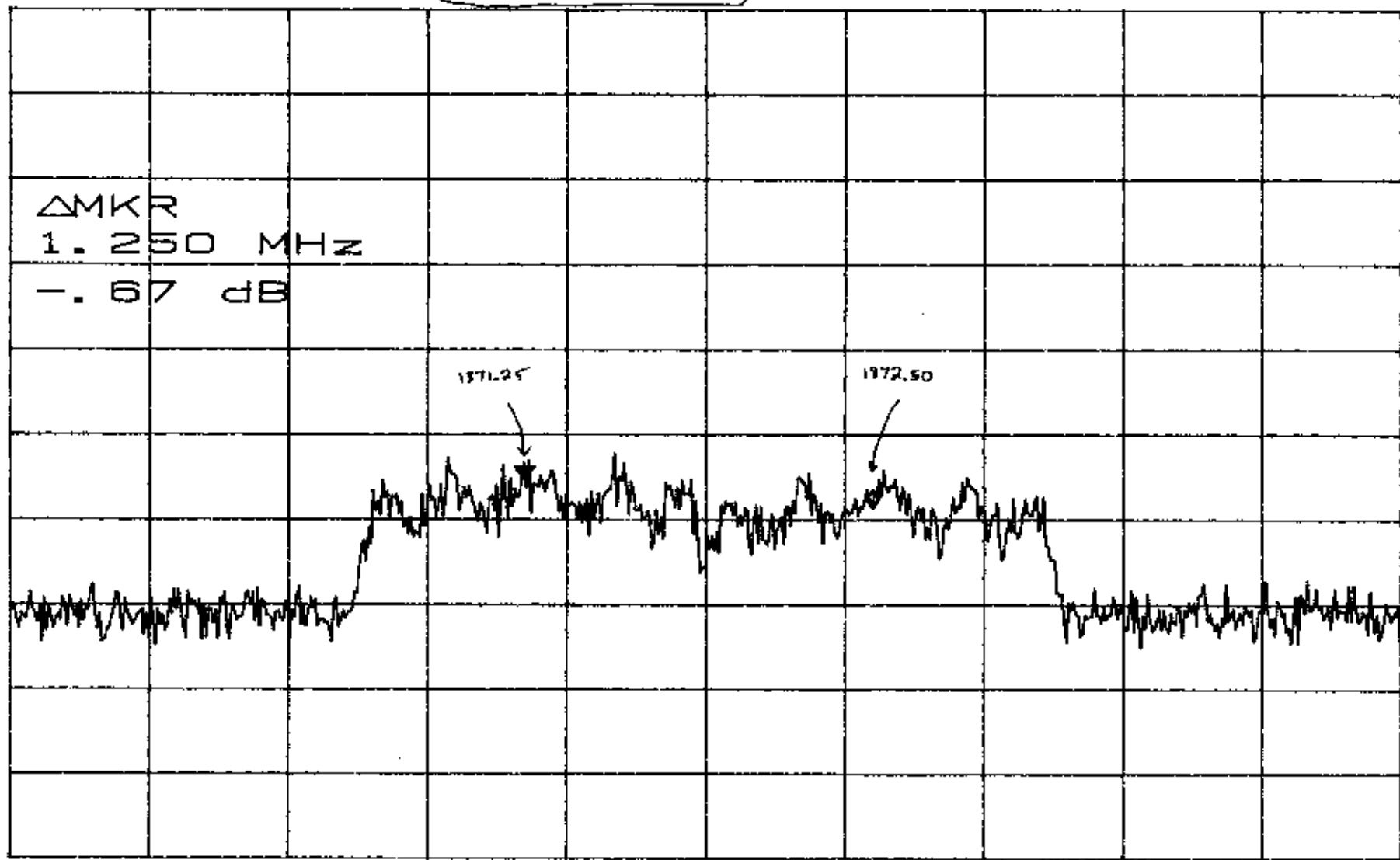
*ATTEN 30dB
RL -60.0dBm

VAVG 365
2dB/BP2

Δ MKR -.67dB
1.250MHz

2-tone

Δ MKR
1.250 MHz
-.67 dB



CENTER 1.871900GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

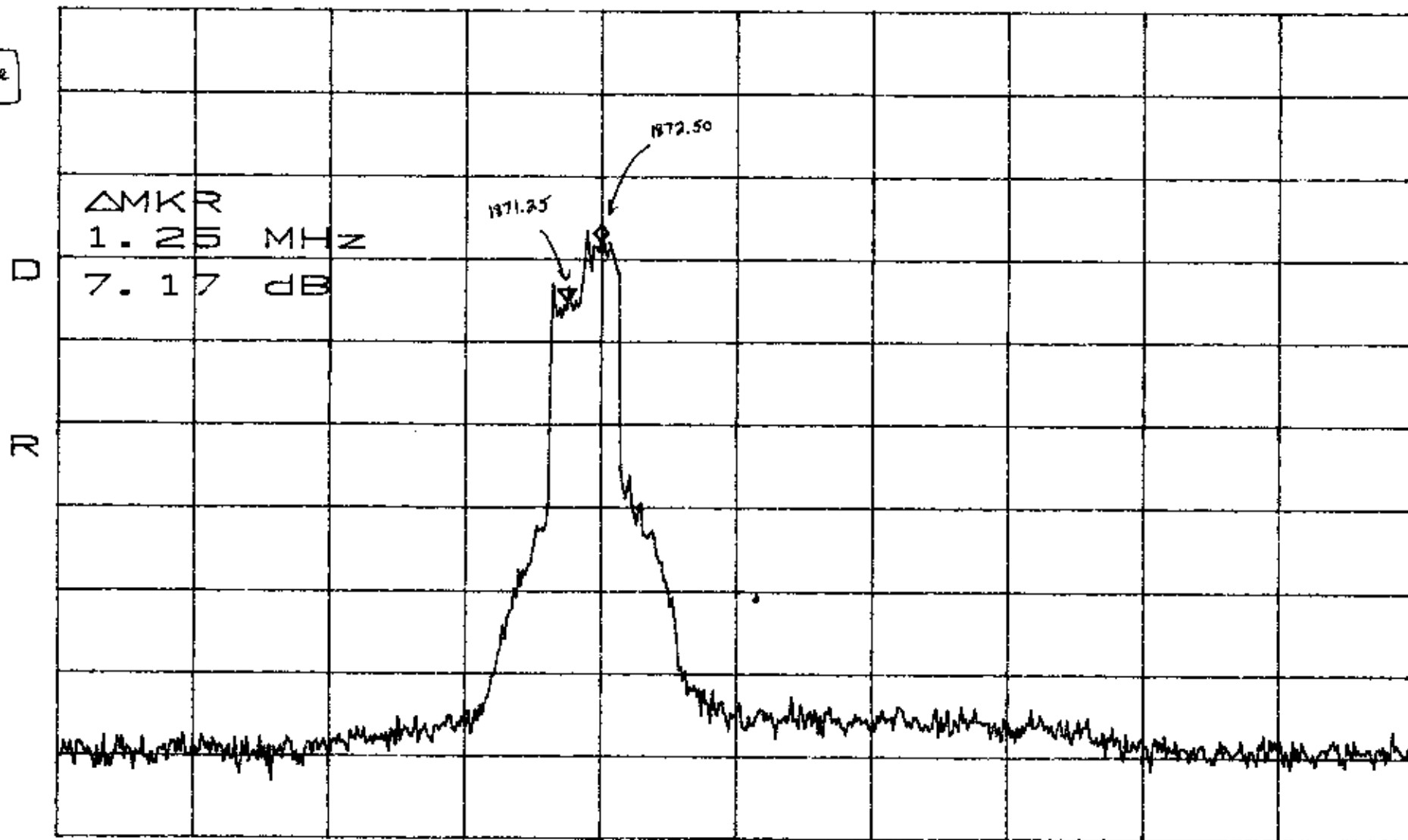
CPR 2chx2W
Representative Unit
(B-band)

UL Output Intermod
Repeater Set To: Ch.1 = 425 = 1871.25MHz
Ch.2 = 450 = 1872.50MHz *

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR 7.17dB
RL 40.0dBm 10dB/BP 1.25MHz

2-tone



CENTER 1.87750GHz

SPAN 50.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 140ms

* inputs set to get maximum UL output (~30dBm) individually (Δ is due to peak limiting)

CDR 2chx2W
Representative Unit
(B-band)

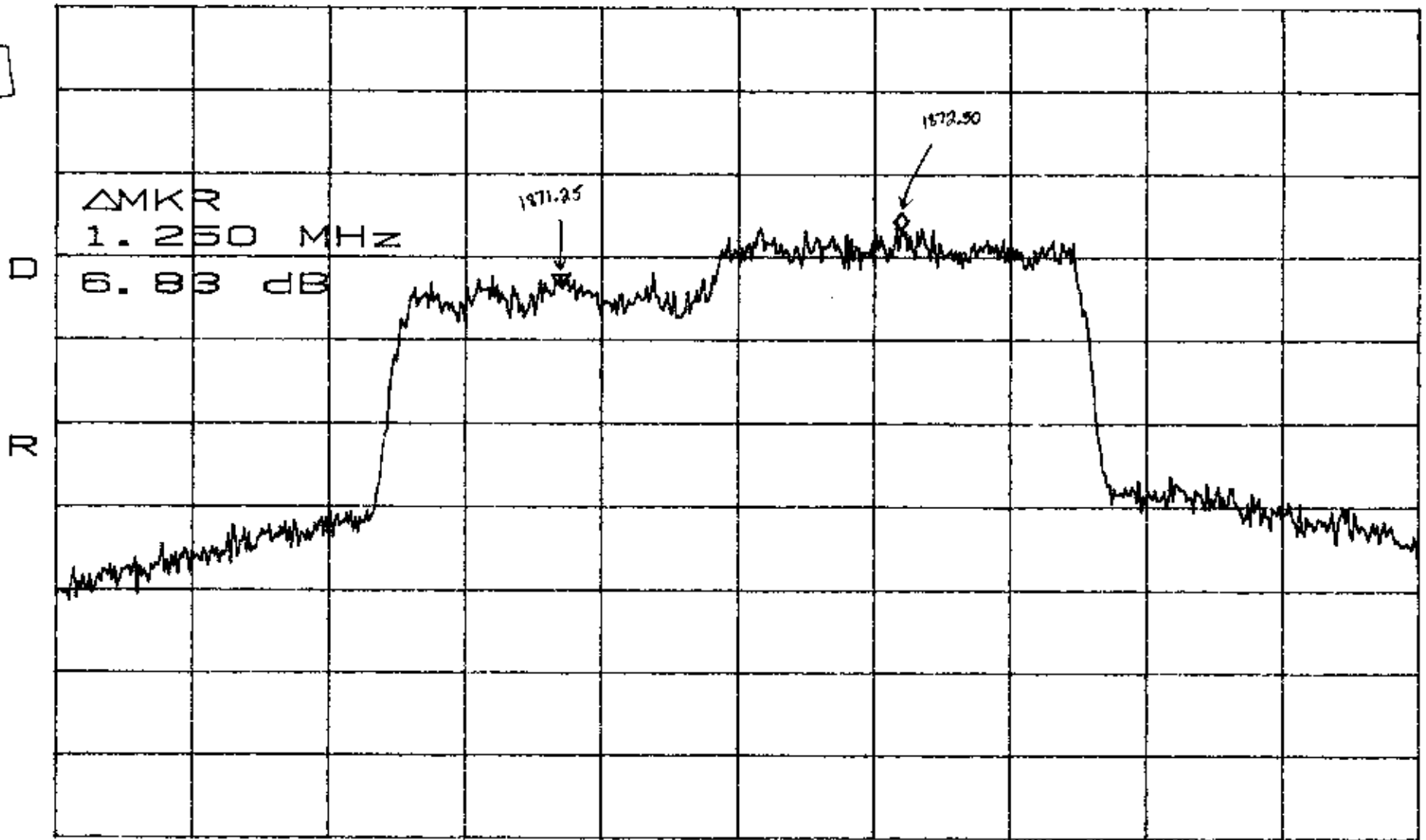
UL Output Intermod

Repeater Sat To: Ch.1 = 425 = 1871.25 MHz *
Ch.2 = 450 = 1872.50 MHz

8/4/98
CDMA Source

*ATTEN 30dB VAVG 10 ΔMKR 6.83dB
RL 40.0dBm 10dB/ 1.250MHz

2-tone



CENTER 1.871900GHz

SPAN 5.000MHz

*RBW 30kHz

*VBW 30kHz

SWP 50.0ms

* inputs set to get maximum UL output (~30dBm) individually (Δ is due to peak limiting)
#

CDR 2ch x 2W
Representative Unit
(B-band)

UL Inputs
Repeater Set To: ch.1 = 425 = 1871.25MHz
ch.2 = 550 = 1877.50MHz

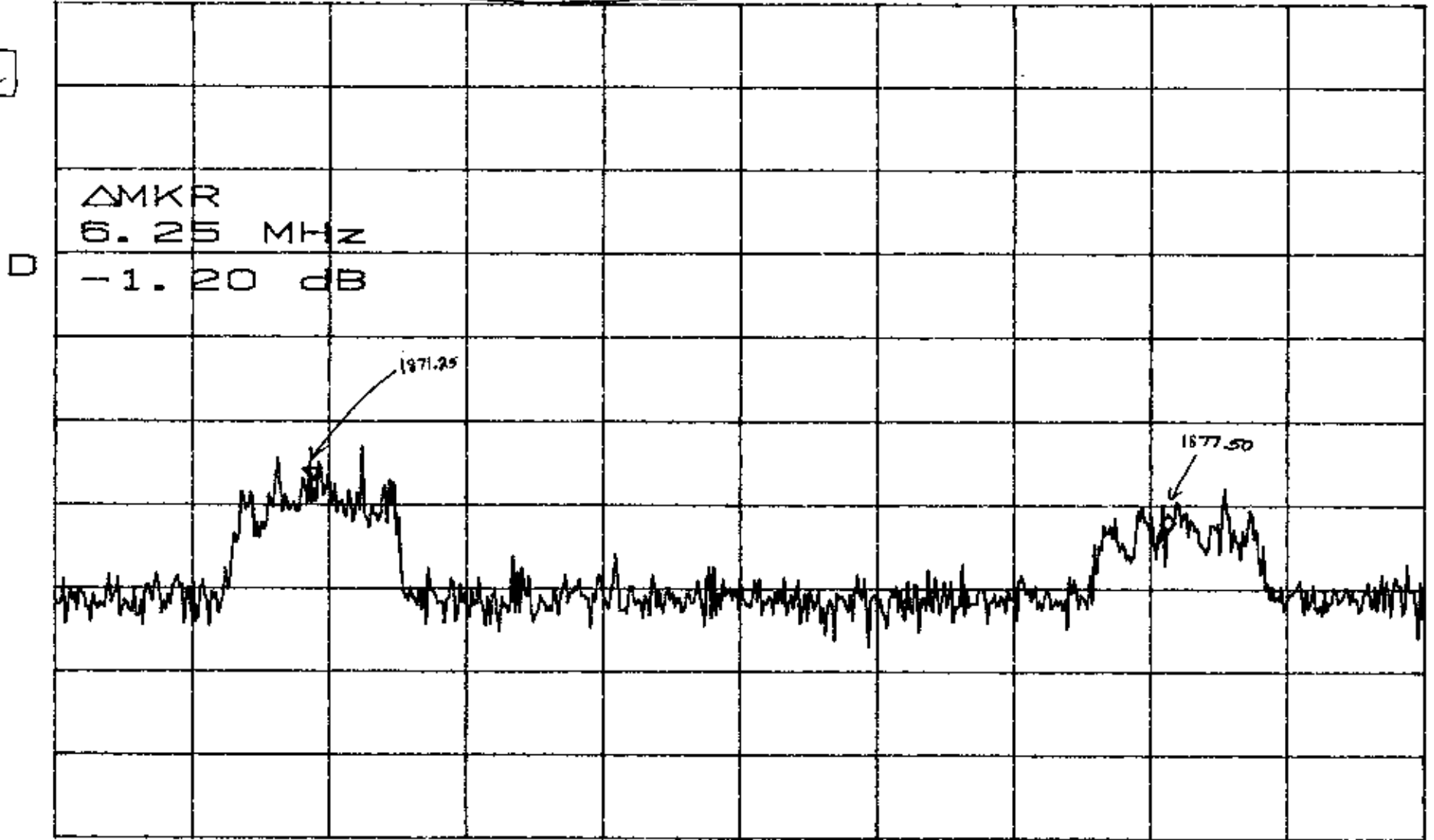
8/4/91
CPMA Source

*ATTN 30dB
RL -60.0dBm

VAVG 340
2dB/

ΔMKR -1.20dB
6.25MHz

2-tone



CENTER 1.87437GHz SPAN 10.00MHz
*RBW 30kHz *VBW 30kHz SWP 50.0ms

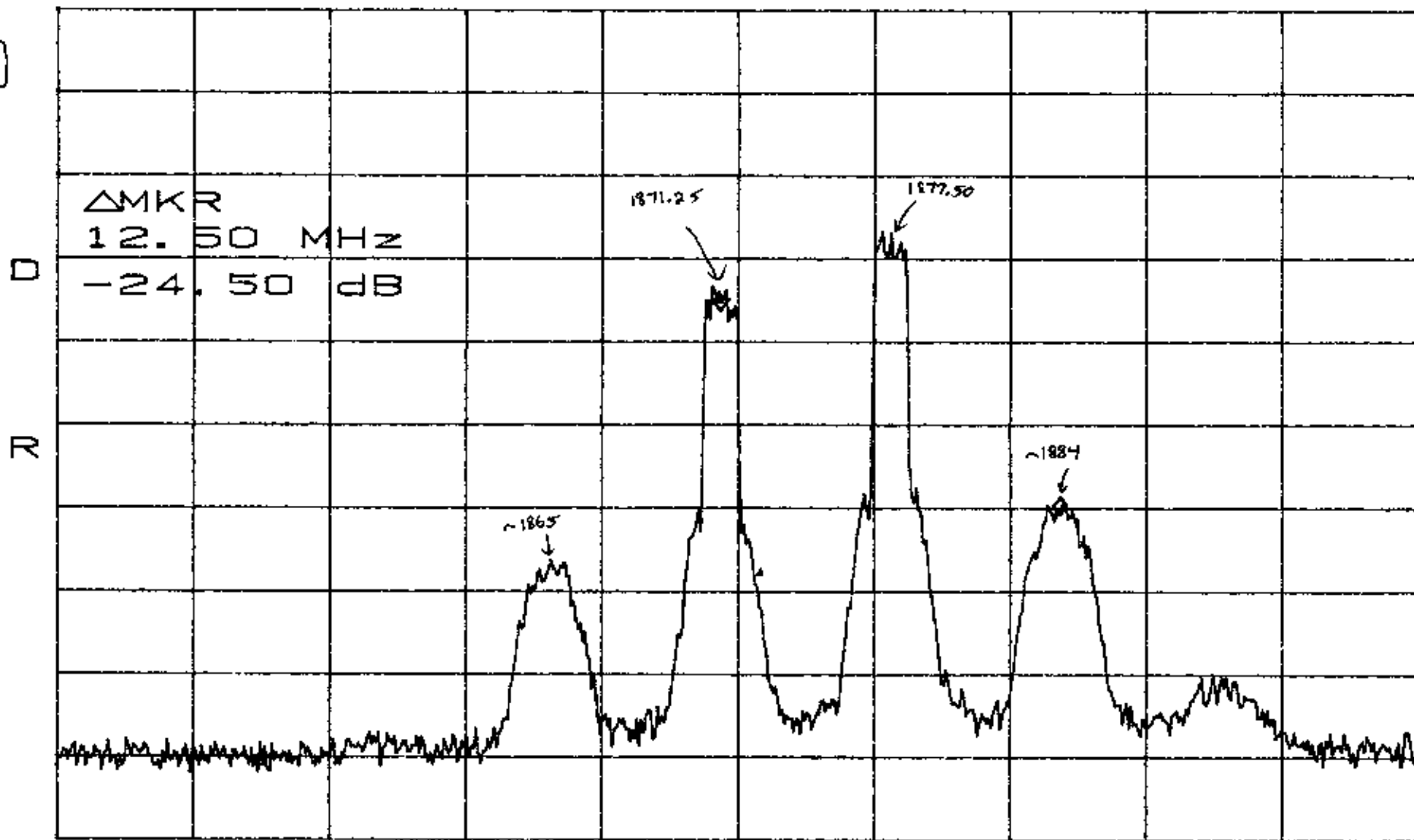
CDR 2chx2W
Representative Unit
(B-band)

UL Output Intermod:
Repeater Set To: ch.1 = 425 = 1871.25MHz
ch.2 = 550 = 1877.50 MHz *

8/4/98
CDMA Source

**ATTEN 30dB VAVG 10 ΔMKR -24.50dB
RL 40.0dBm 10dB/BPO 12.50MHz

2-tone



CENTER 1.87190GHz

SPAN 50.00MHz

*RBW 30kHz

*VBW 30kHz

SWP 140ms

*input levels set to get maximum UL output (~30dBm) individually