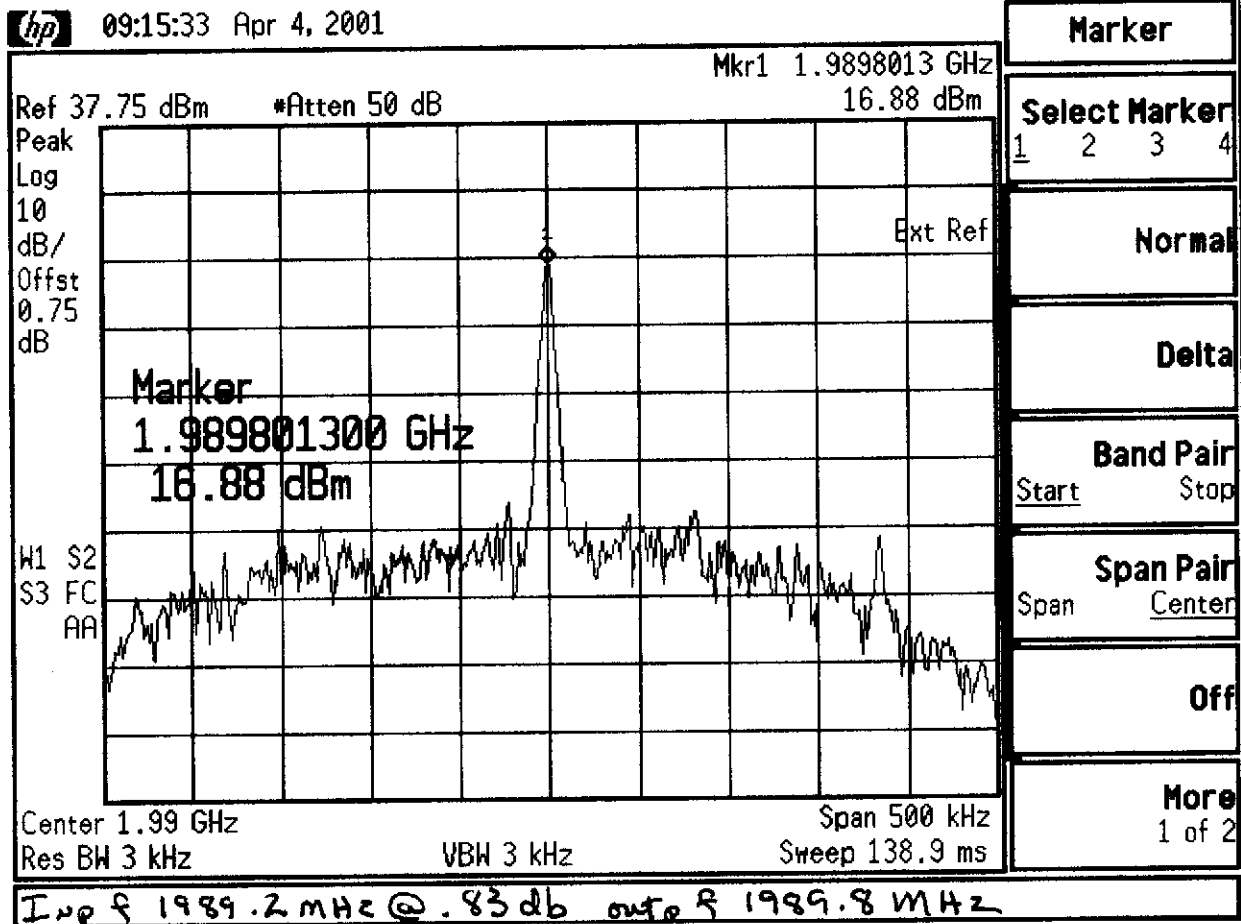


IM

DLink T1

out-of-band

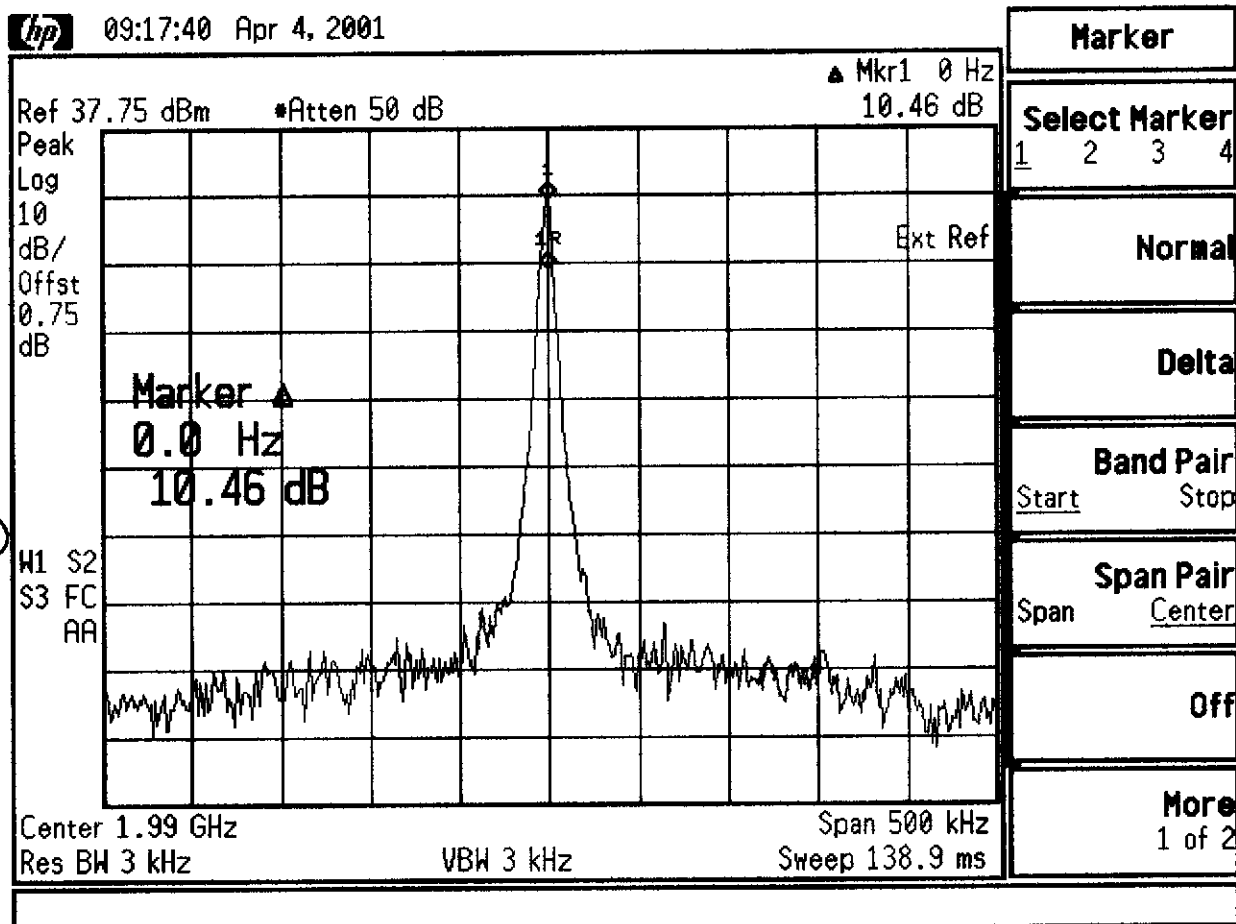


Dac .15: 128

Dac .2: 184

IM

DLink T2

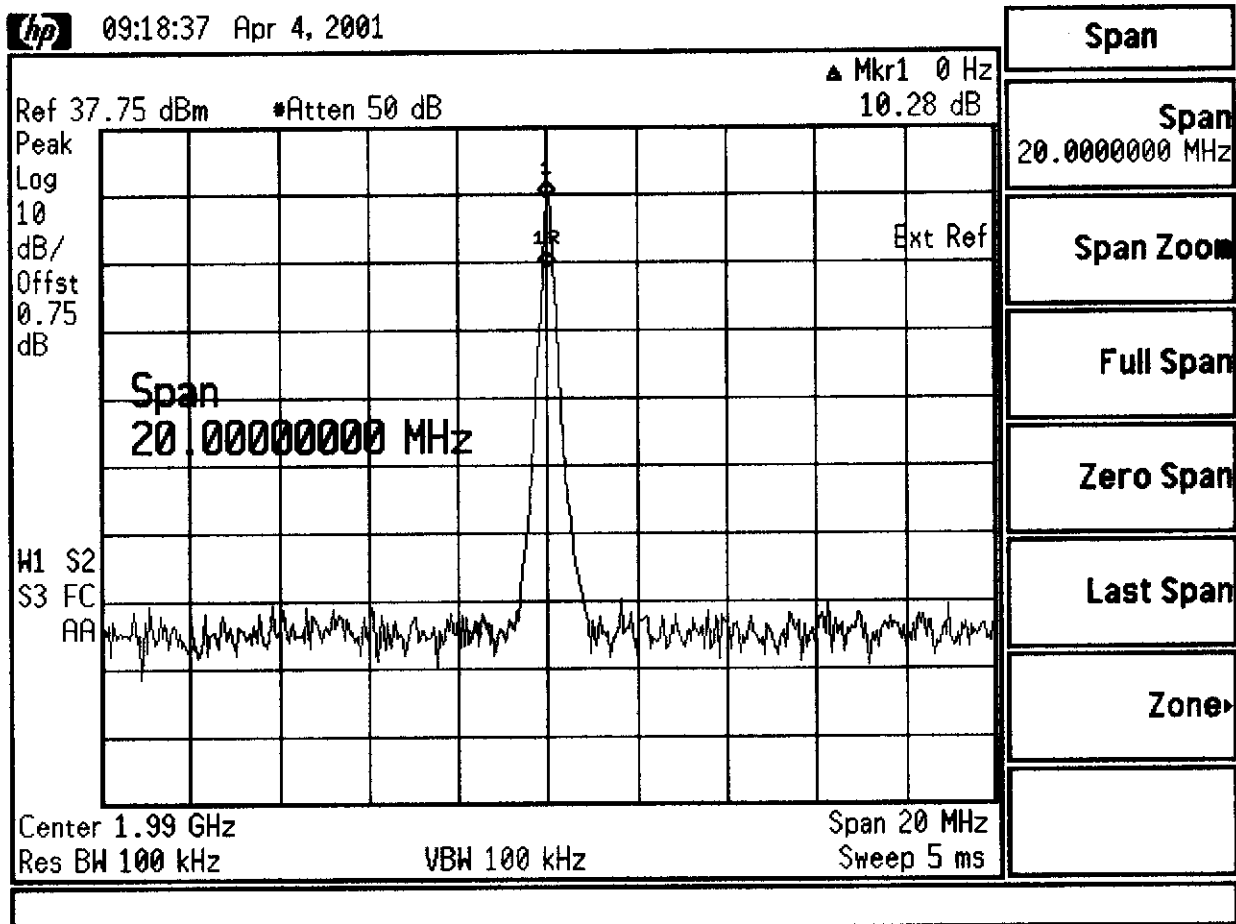


83
9
74
105

63.5

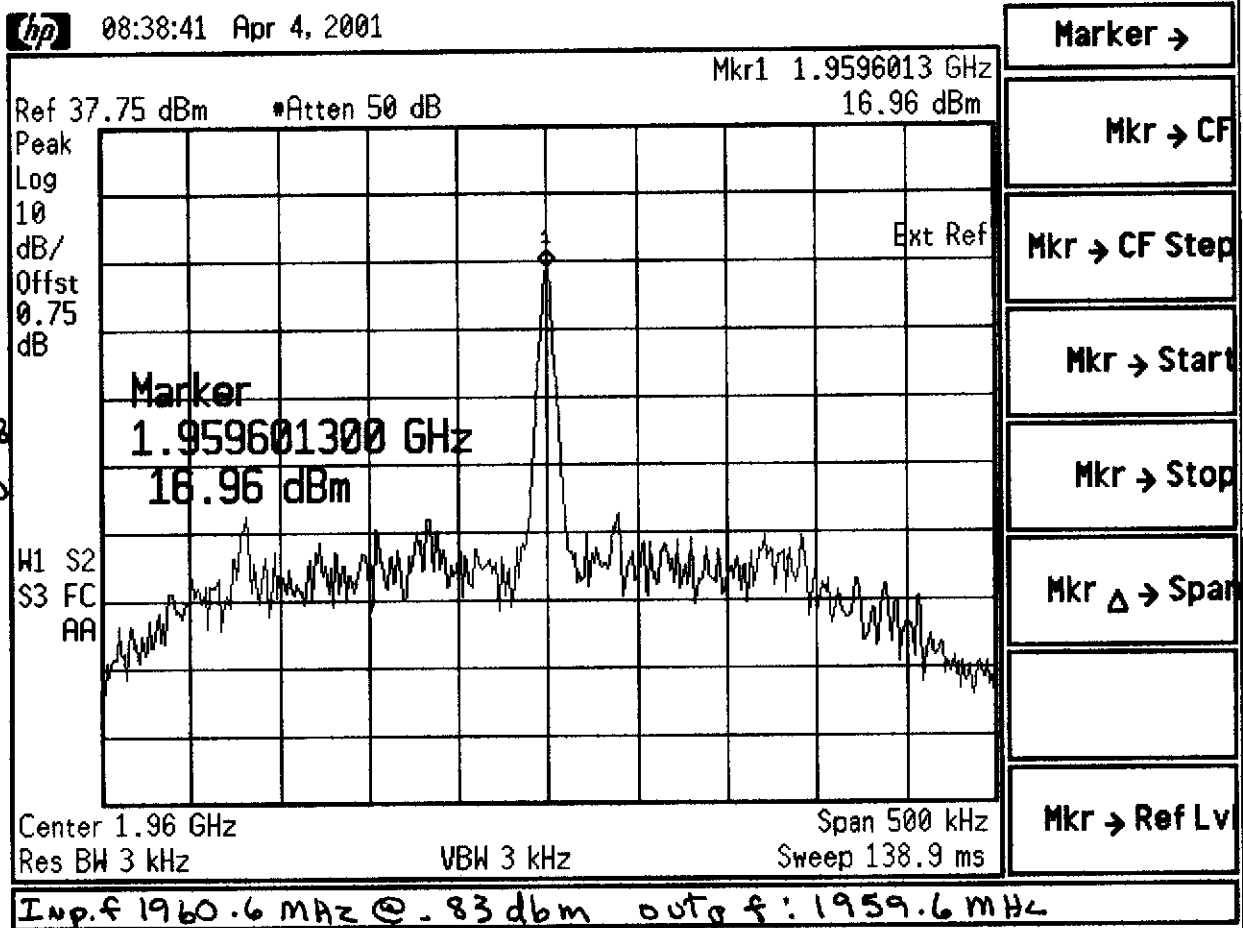
Im

DLink T3



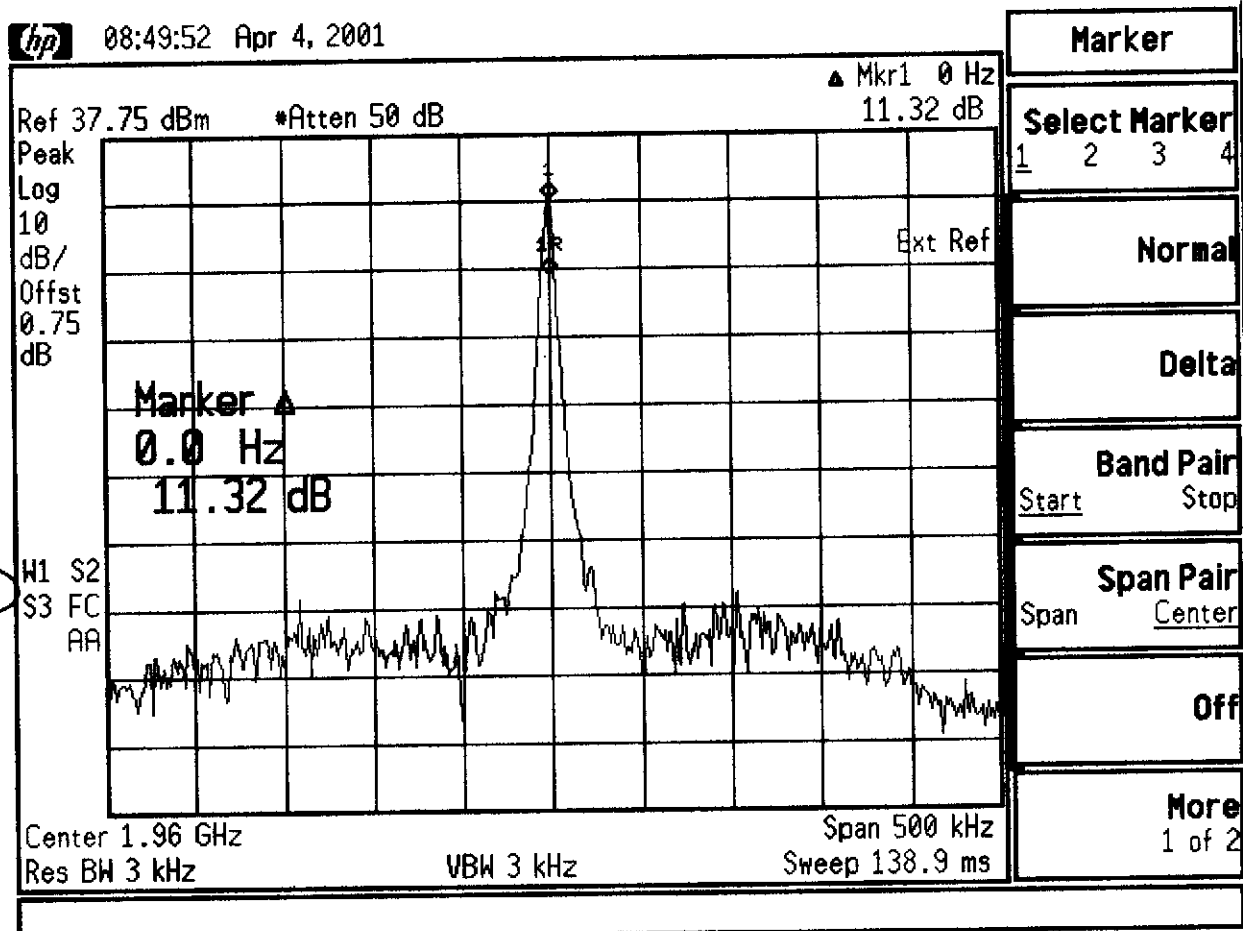
IM

Downlink M1



Dac.15:128
Dac.2:180

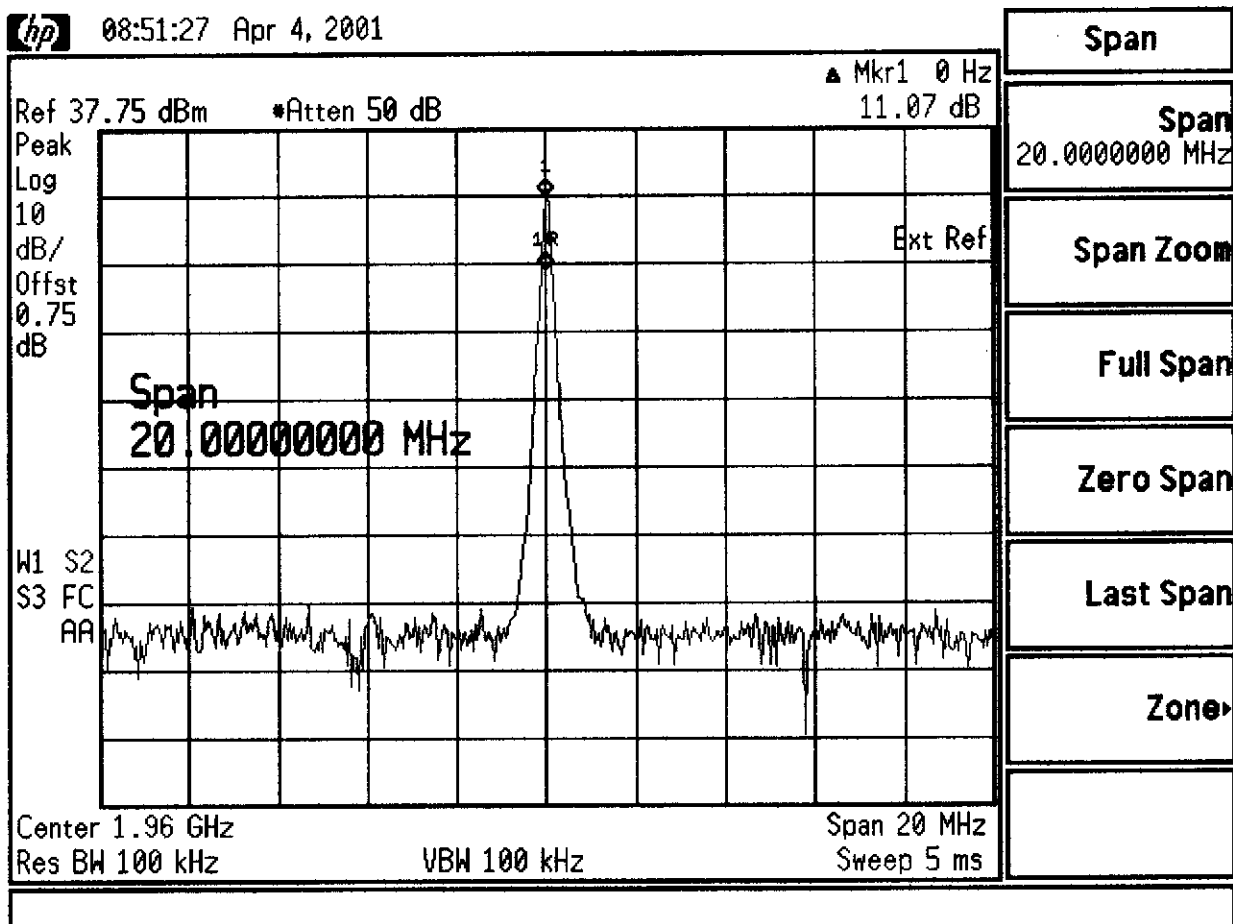
Downlink M2



83
9
74
11.3
62.7

Im.

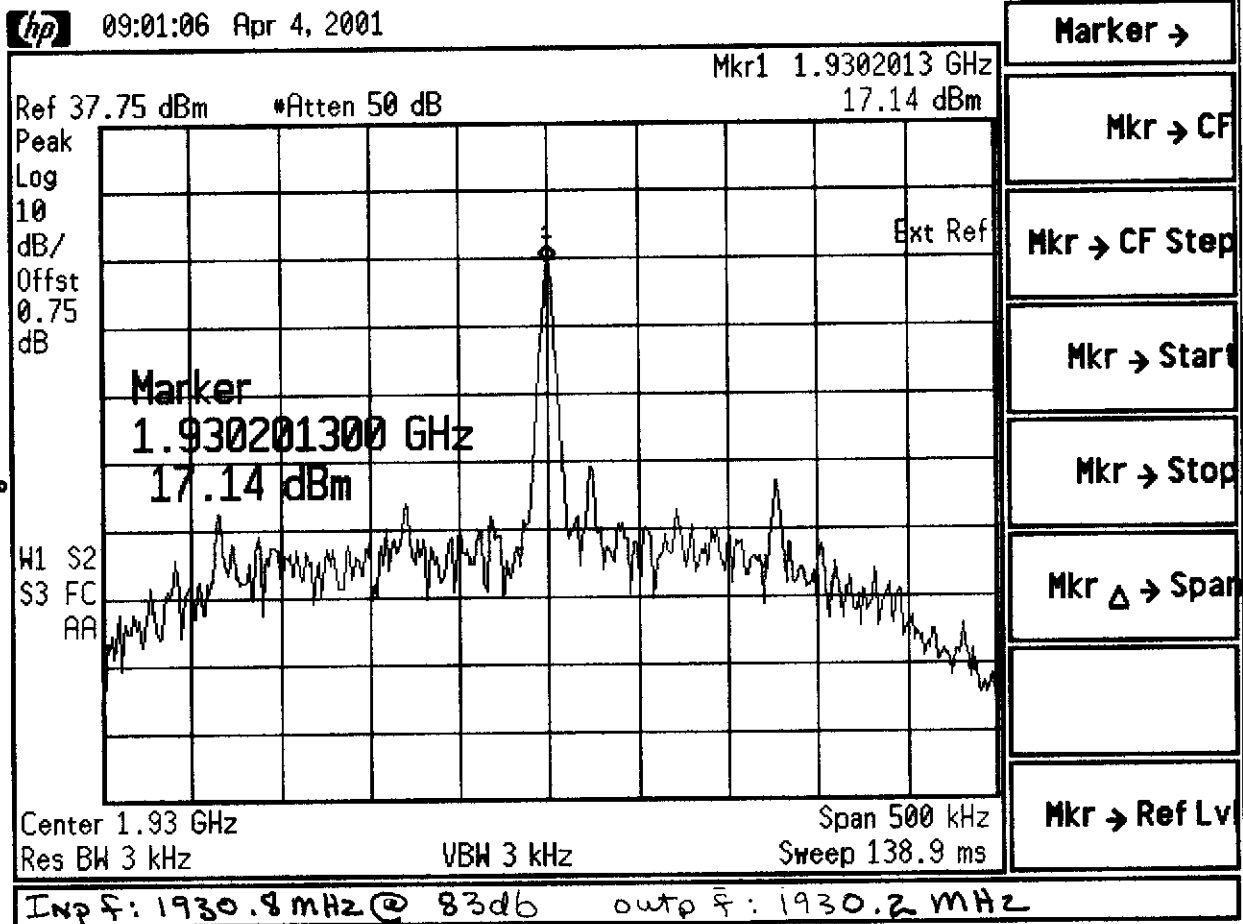
out of Band DL M3



I.M.

DownLink B

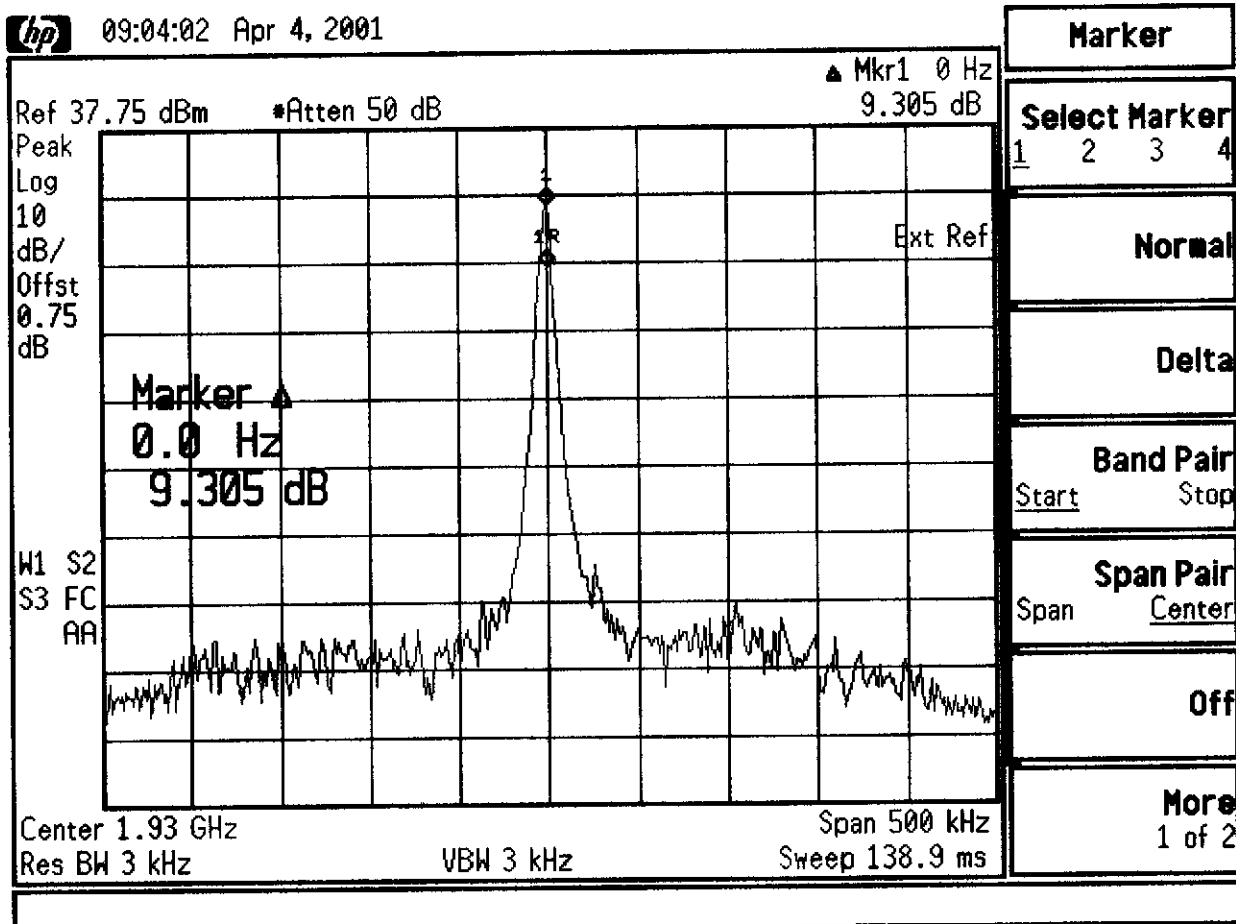
9.8 mb of band



DAC 15:128
DAC 2:186

I.M.

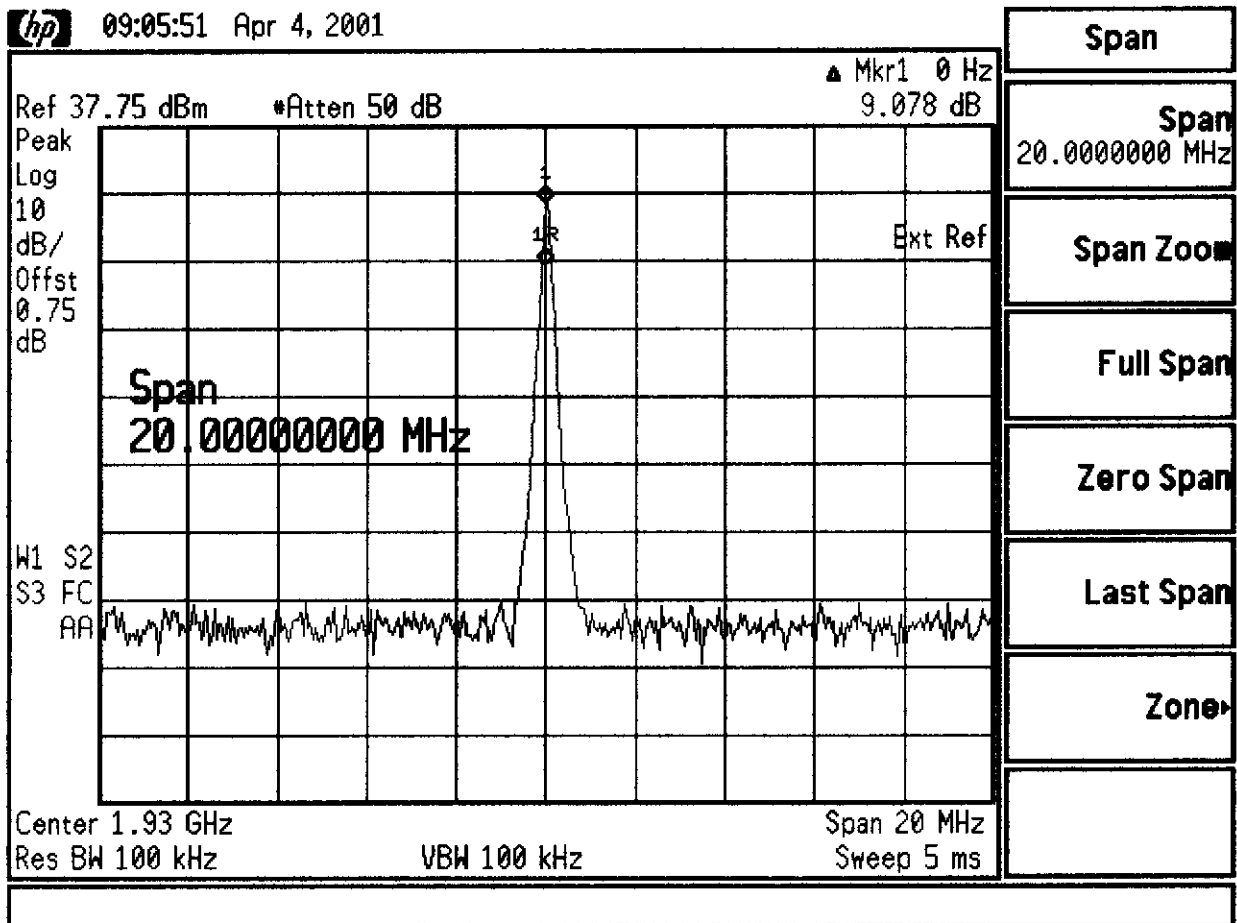
Downlink B 2



83
9
74
9.3
64.7

I.M.

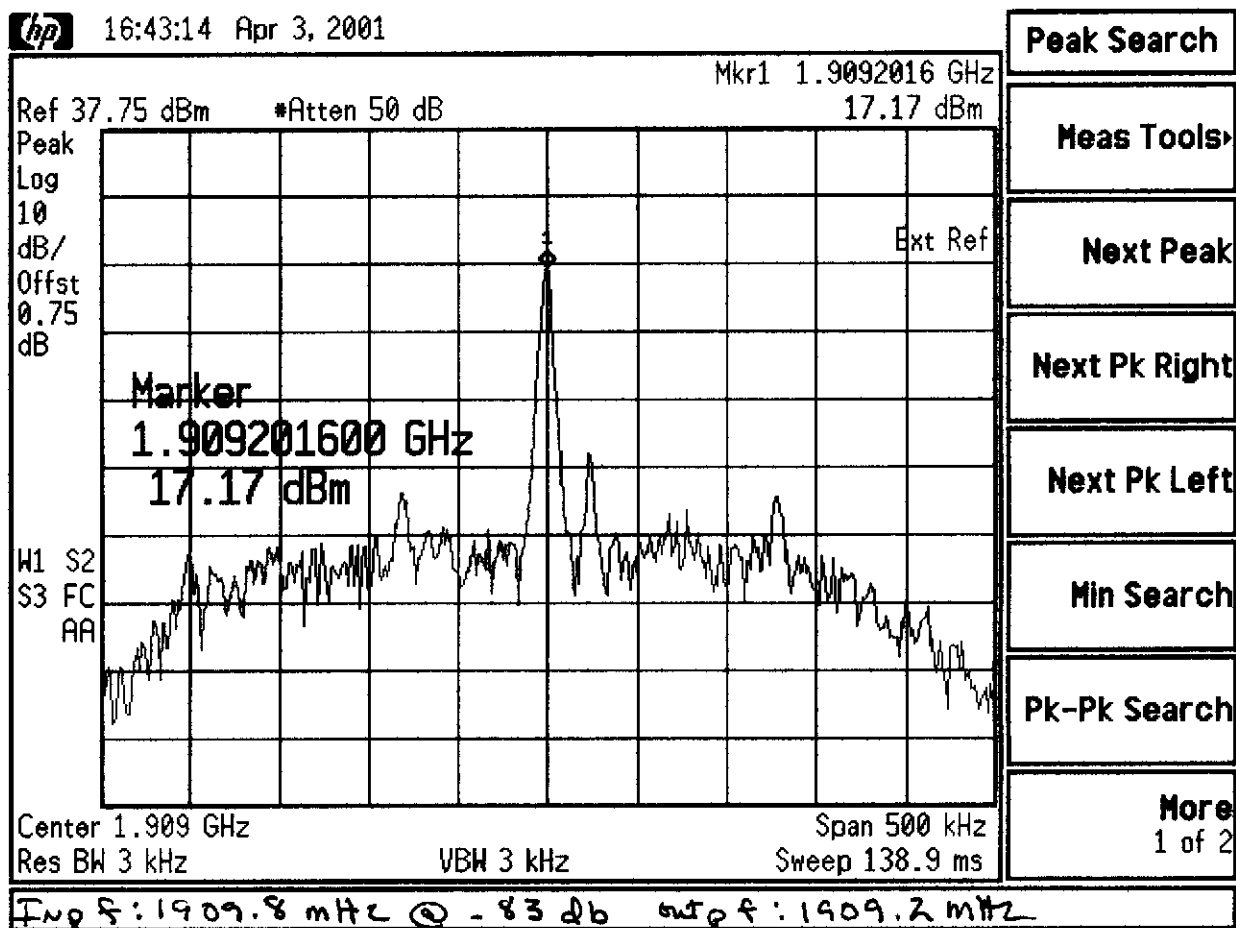
Downlink B 3



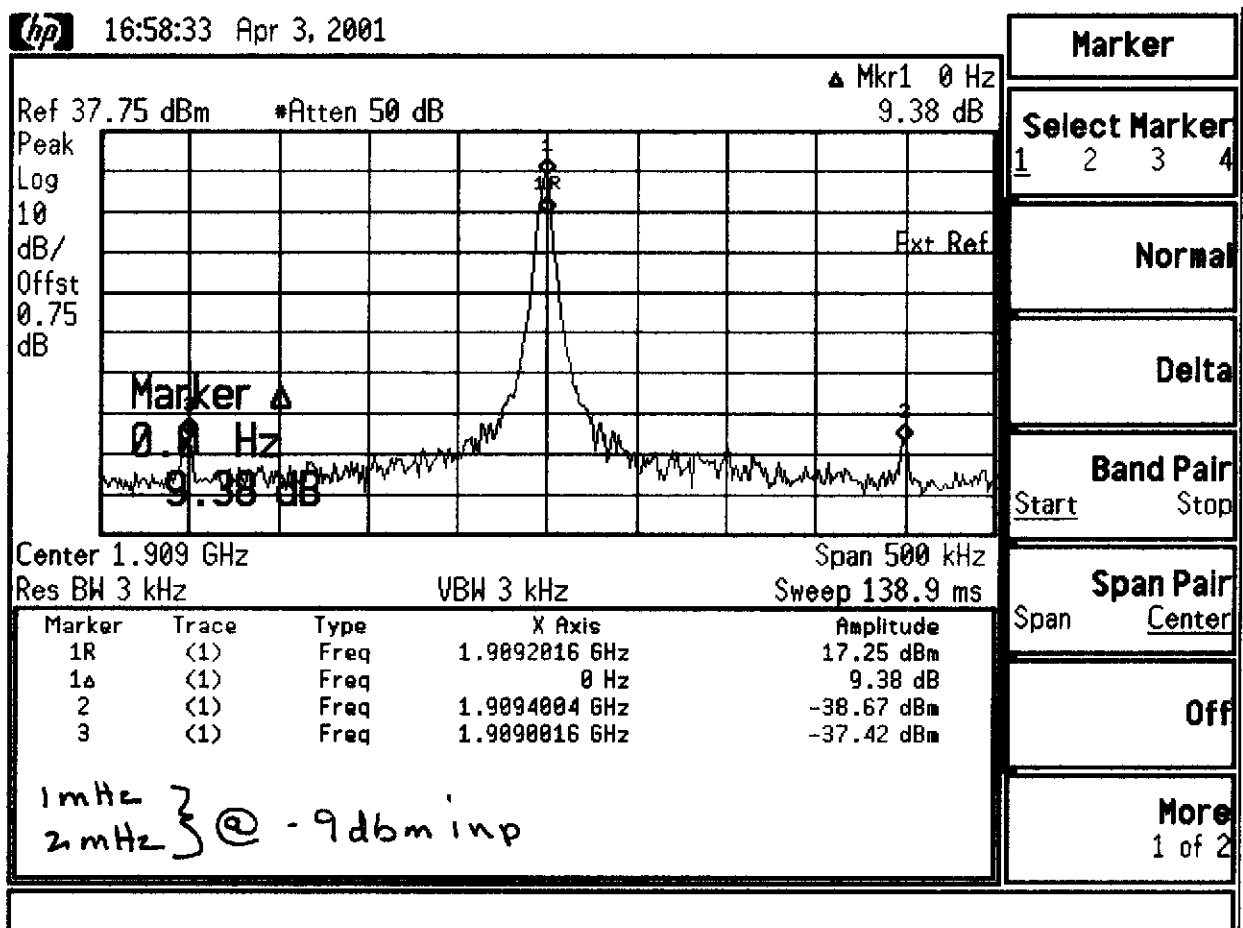
IM

Uplink Top 1

9.8 out of band

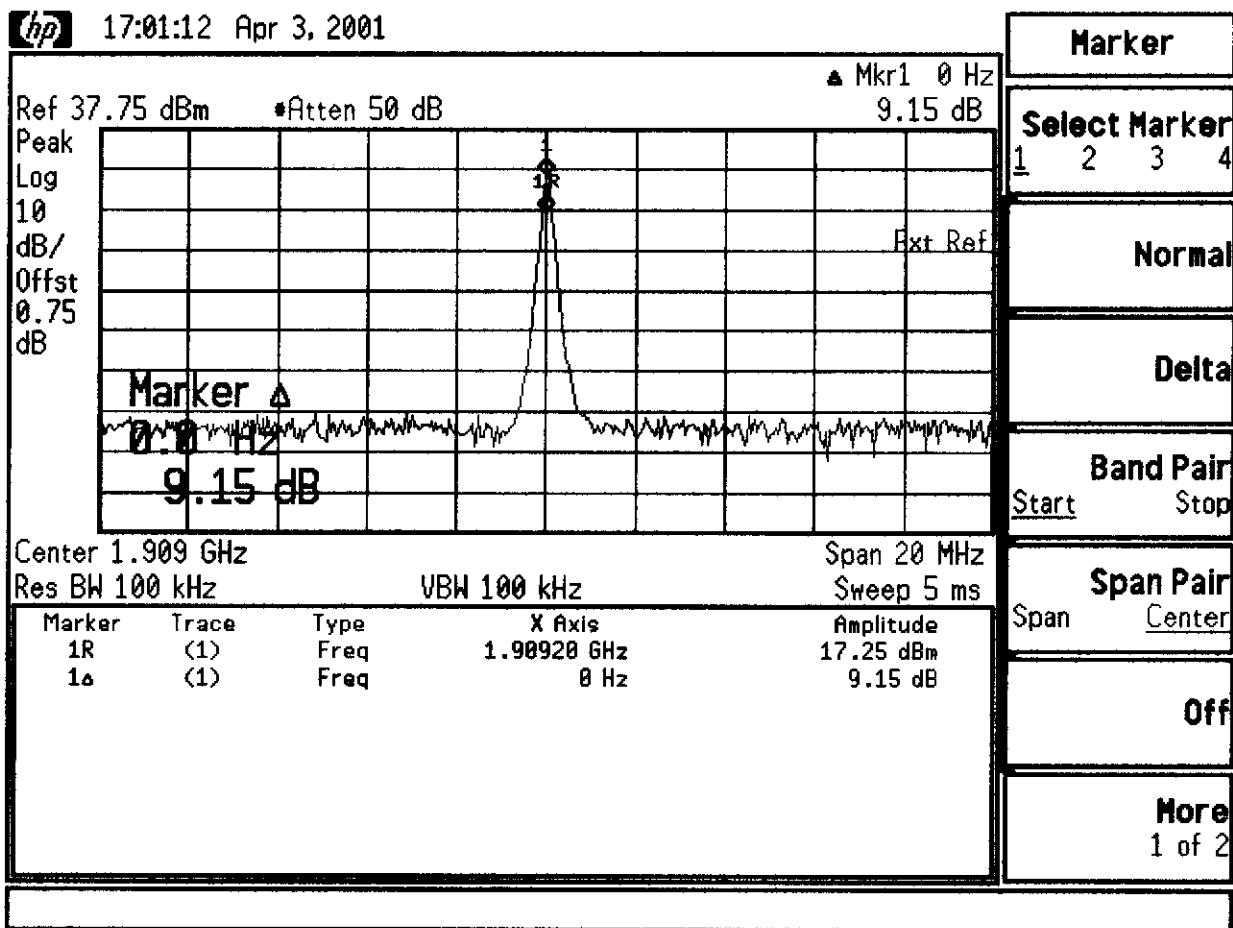


Uplink Top 2

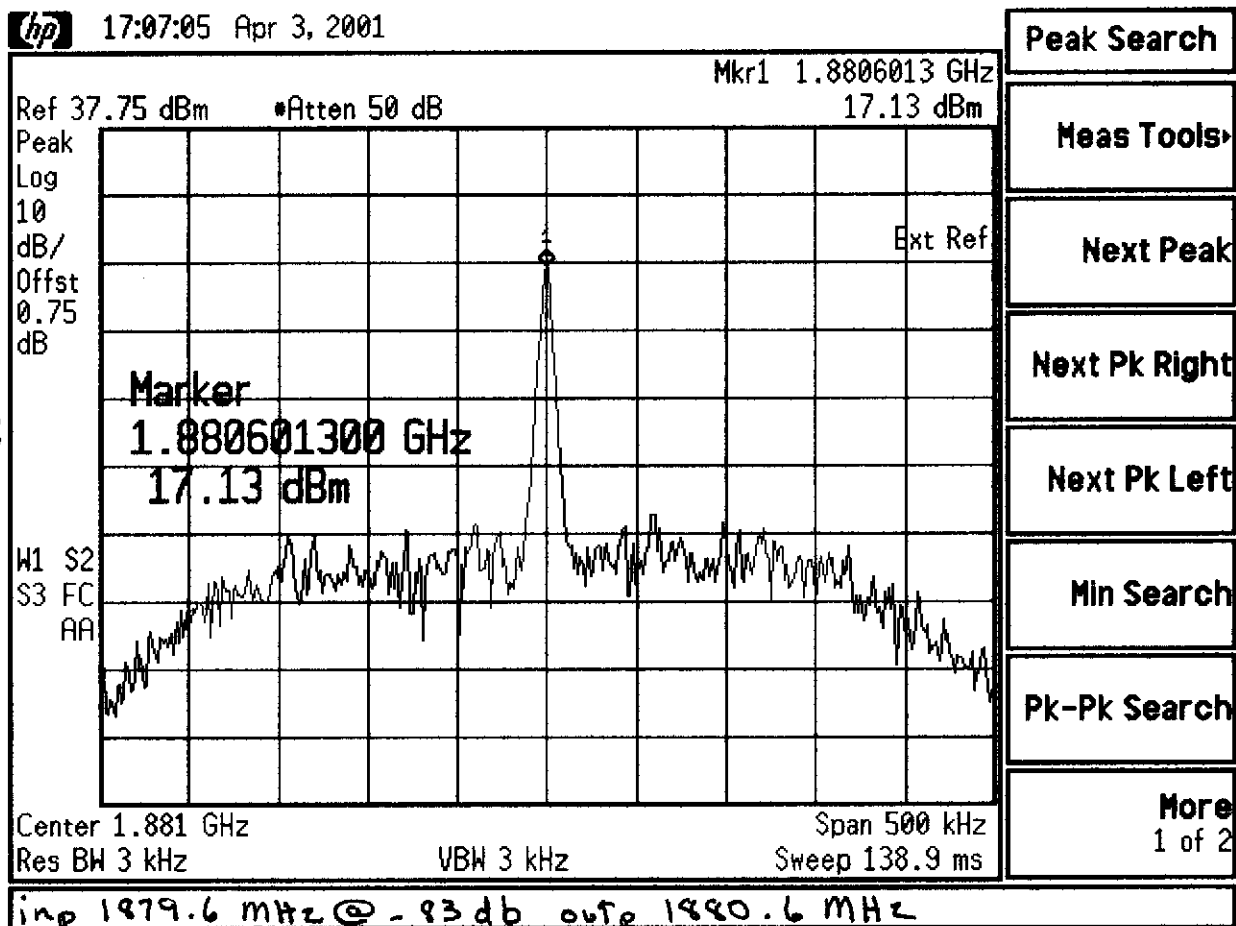


1 MHz 2

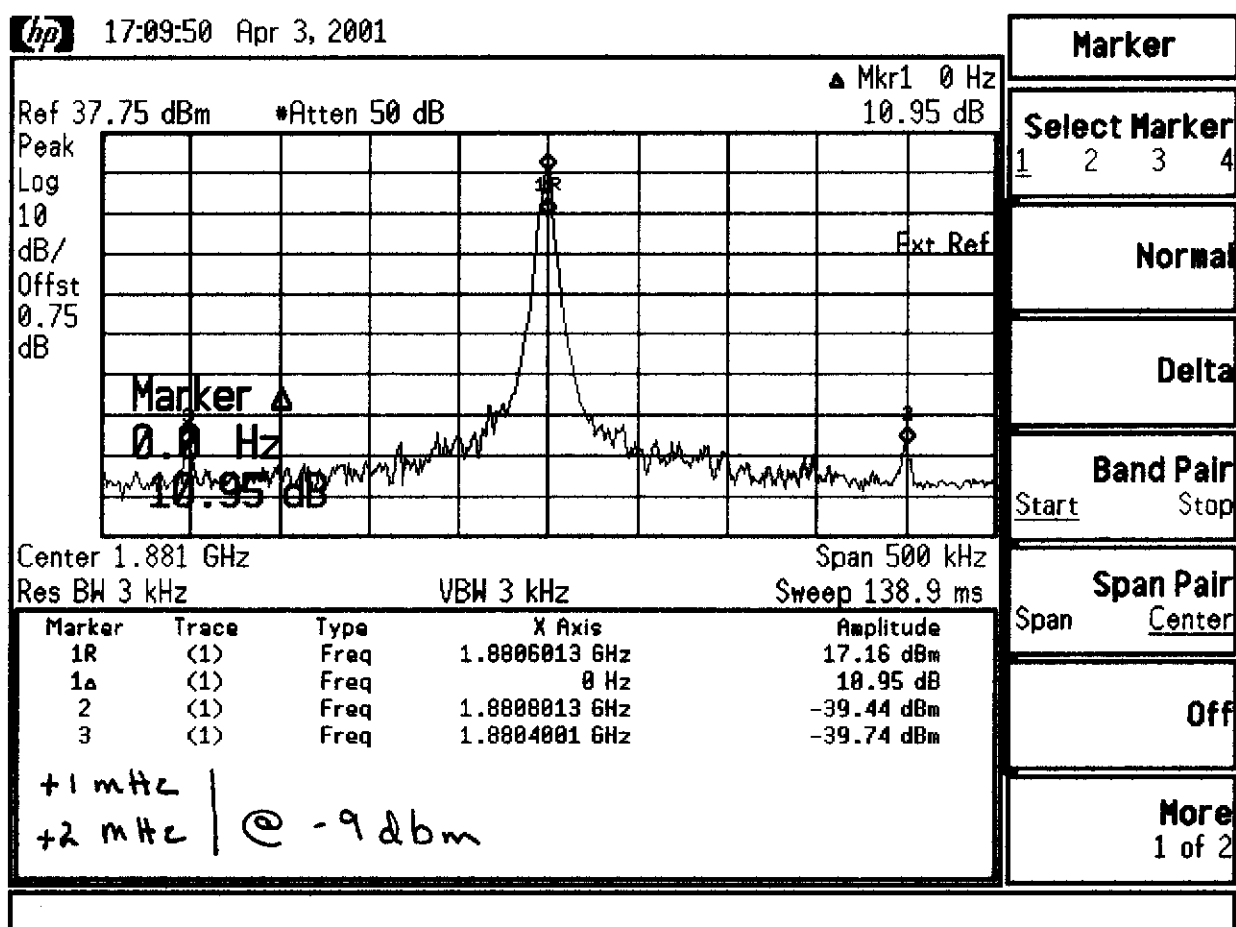
IM 0.0-Bad Uplink Top 3



IM out of band Uplink M1



IM 0.0-B uplink M2

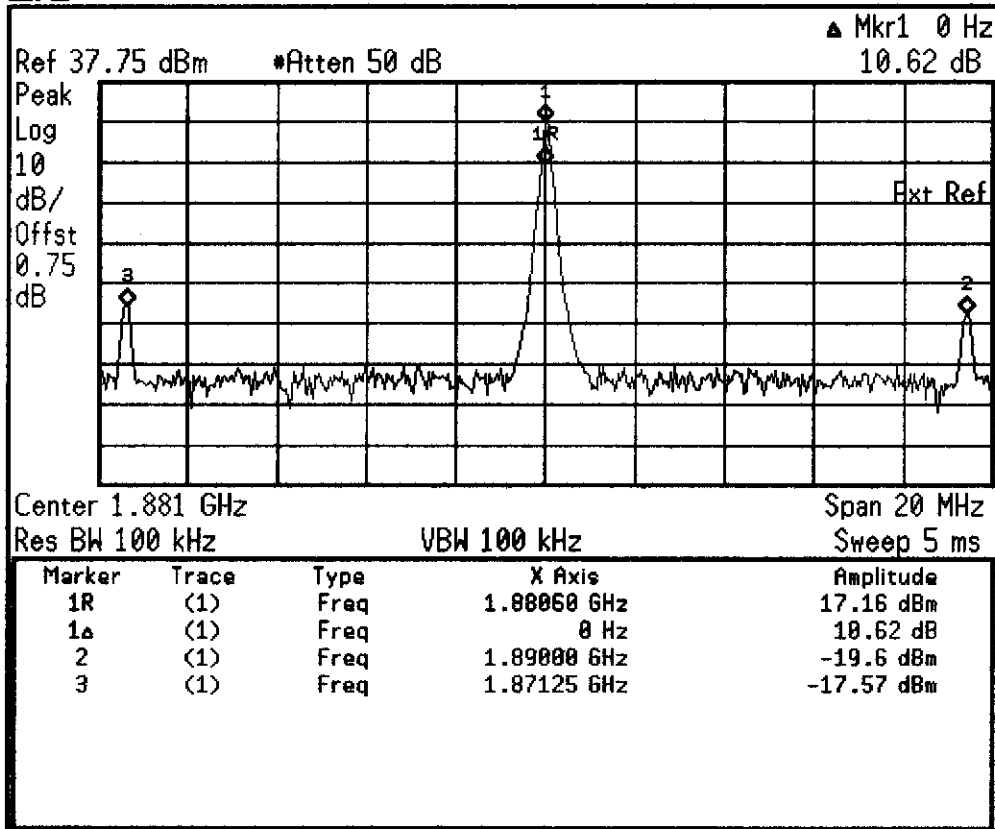


IMO-0-B-UPL M2

IM 0.0-B

uplink M3

17:12:18 Apr 3, 2001



Marker

Select Marker

1 2 3 4

Normal

Delta

Band Pair

Start Stop

Span Pair

Span Center

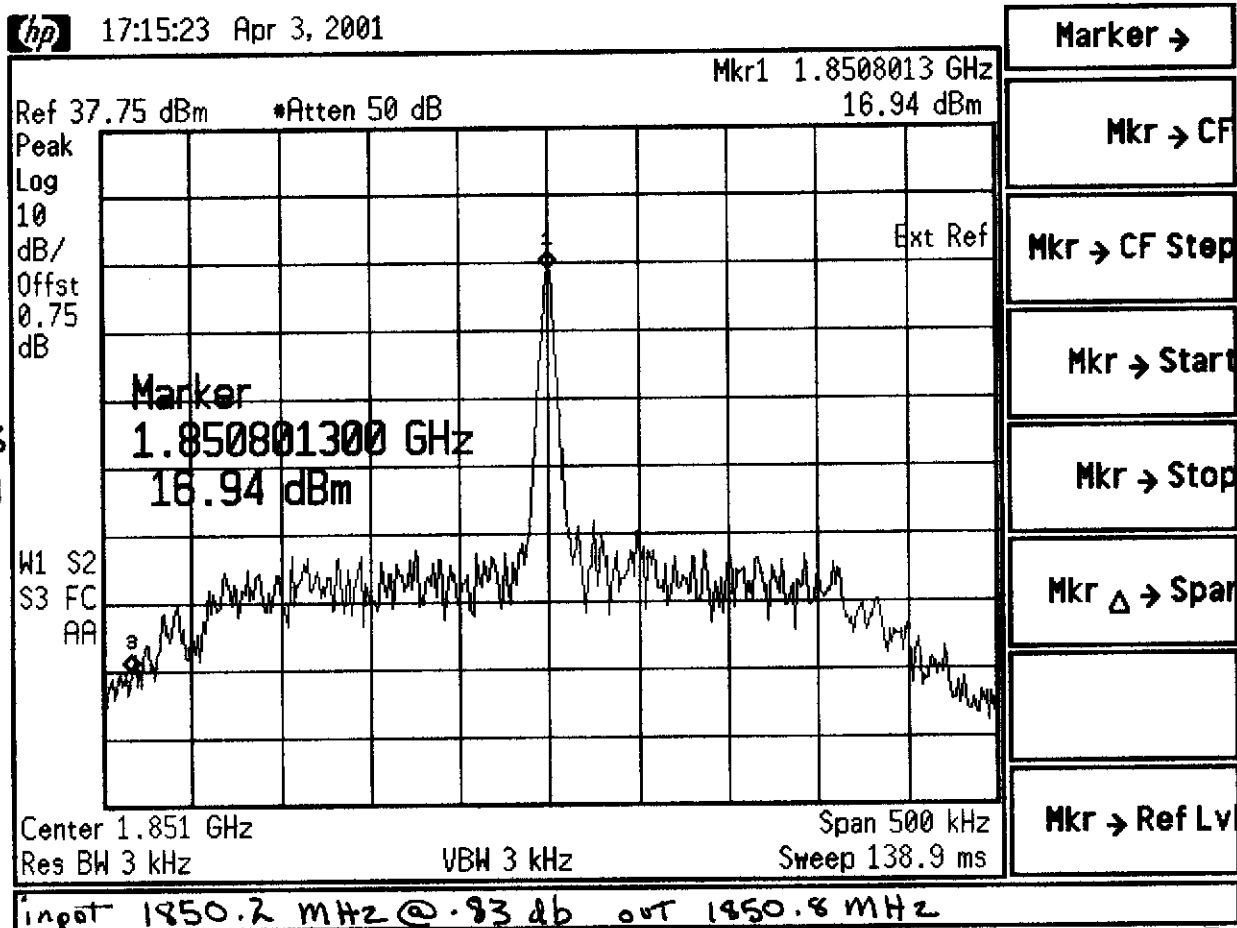
Off

More

1 of 2

IM 0-0-B

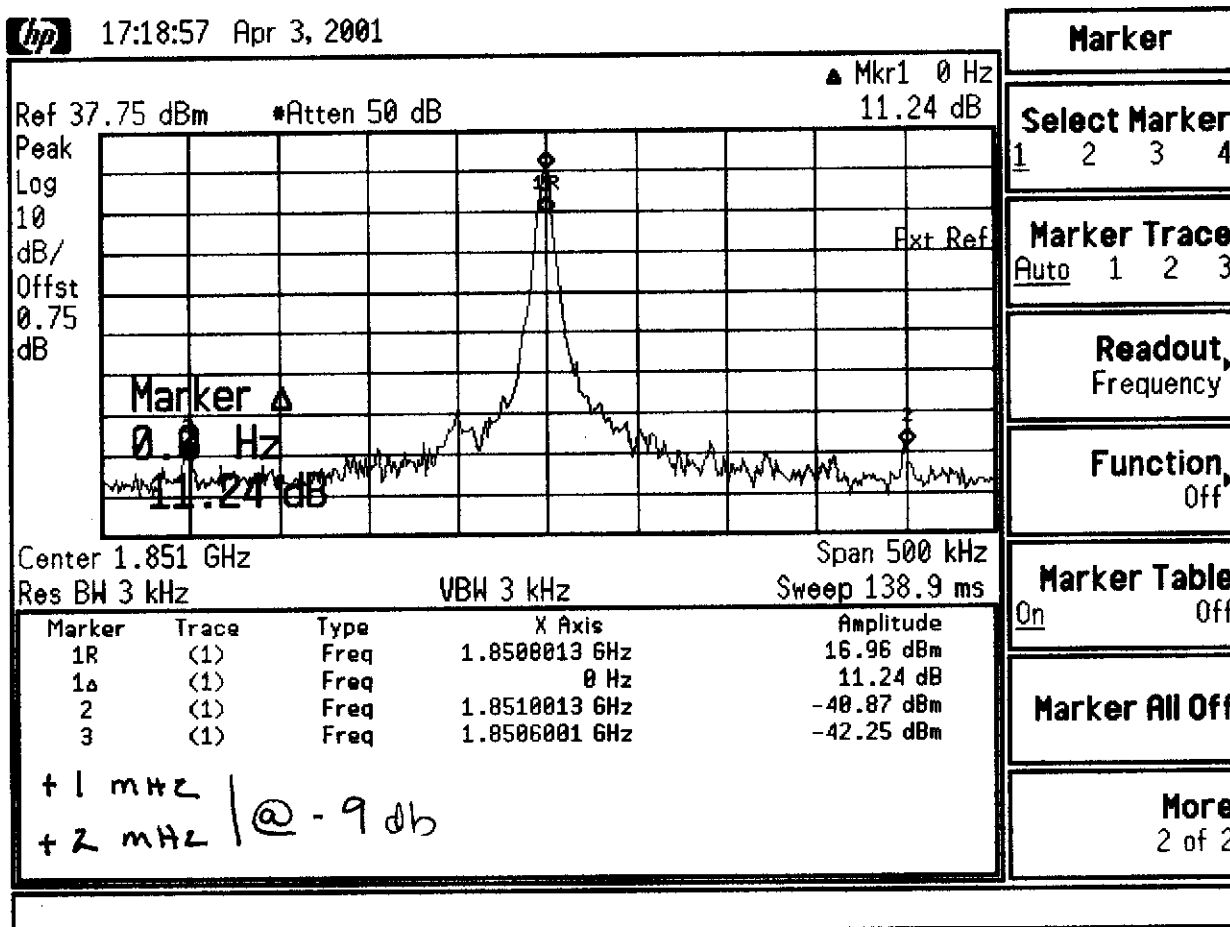
Uplink B 1



Dac 15:128

Dac 6:191

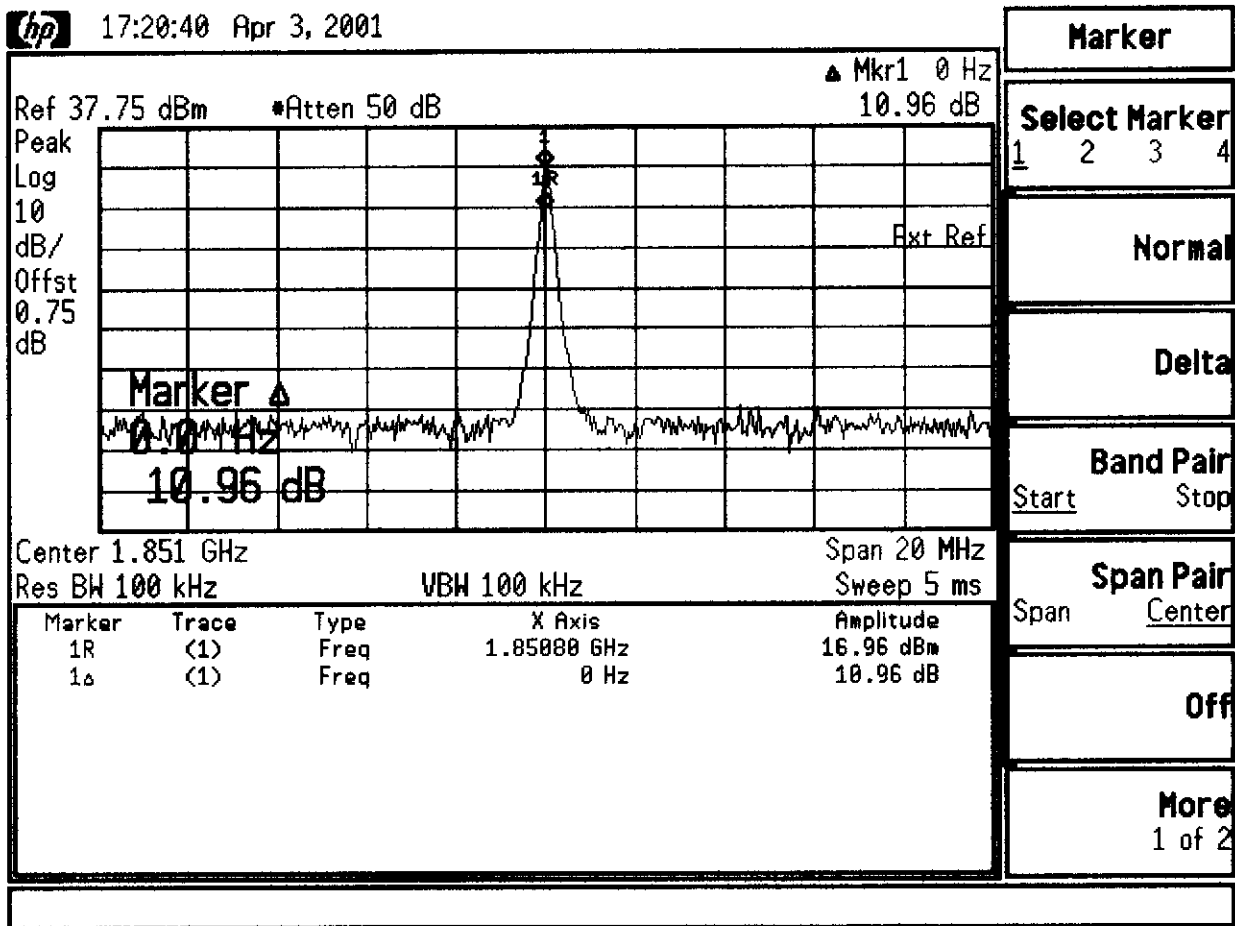
IM 0-0-B Uplink B 2



IM 0-0-B - UPL B 2

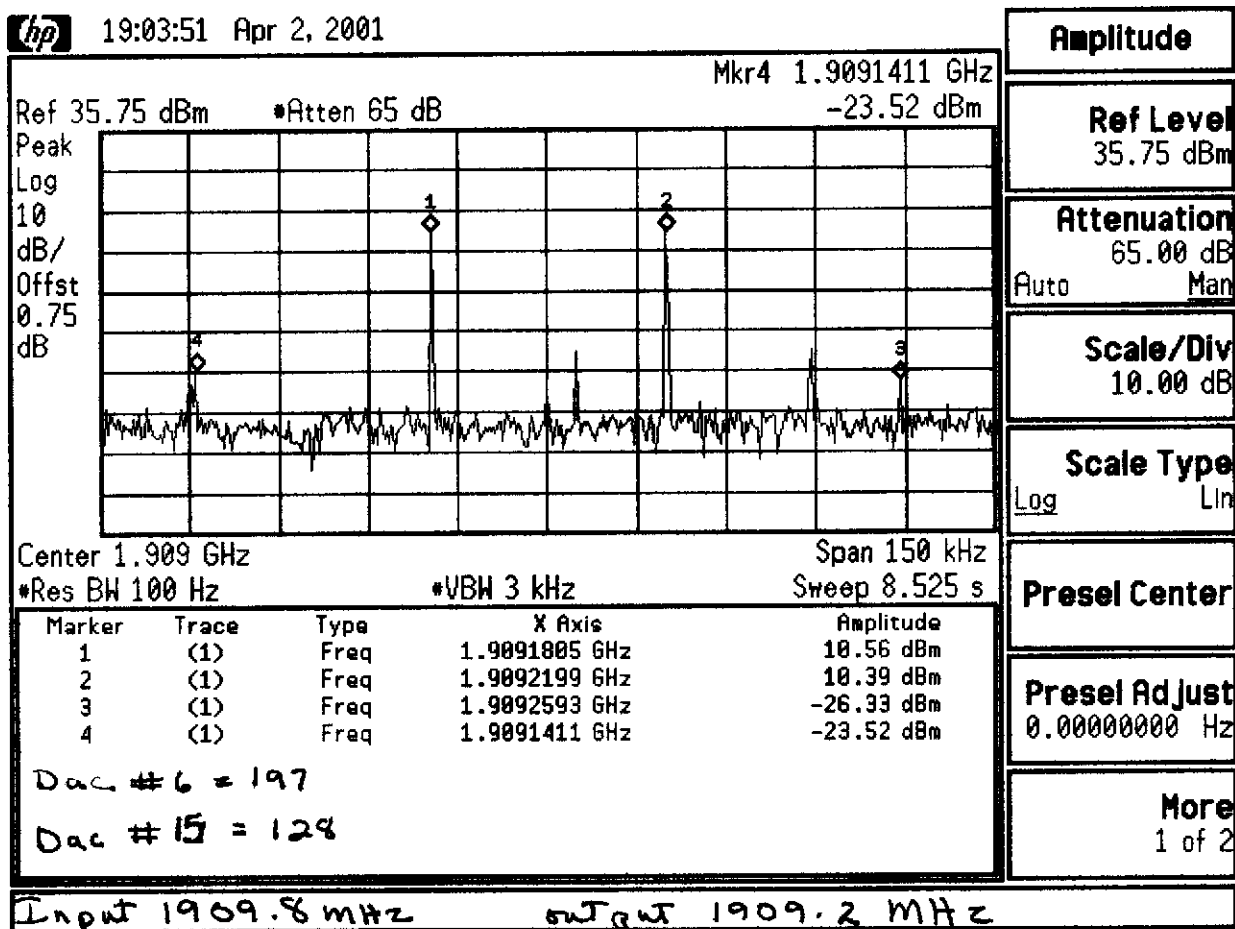
IM 0.0-B

Uplink B3



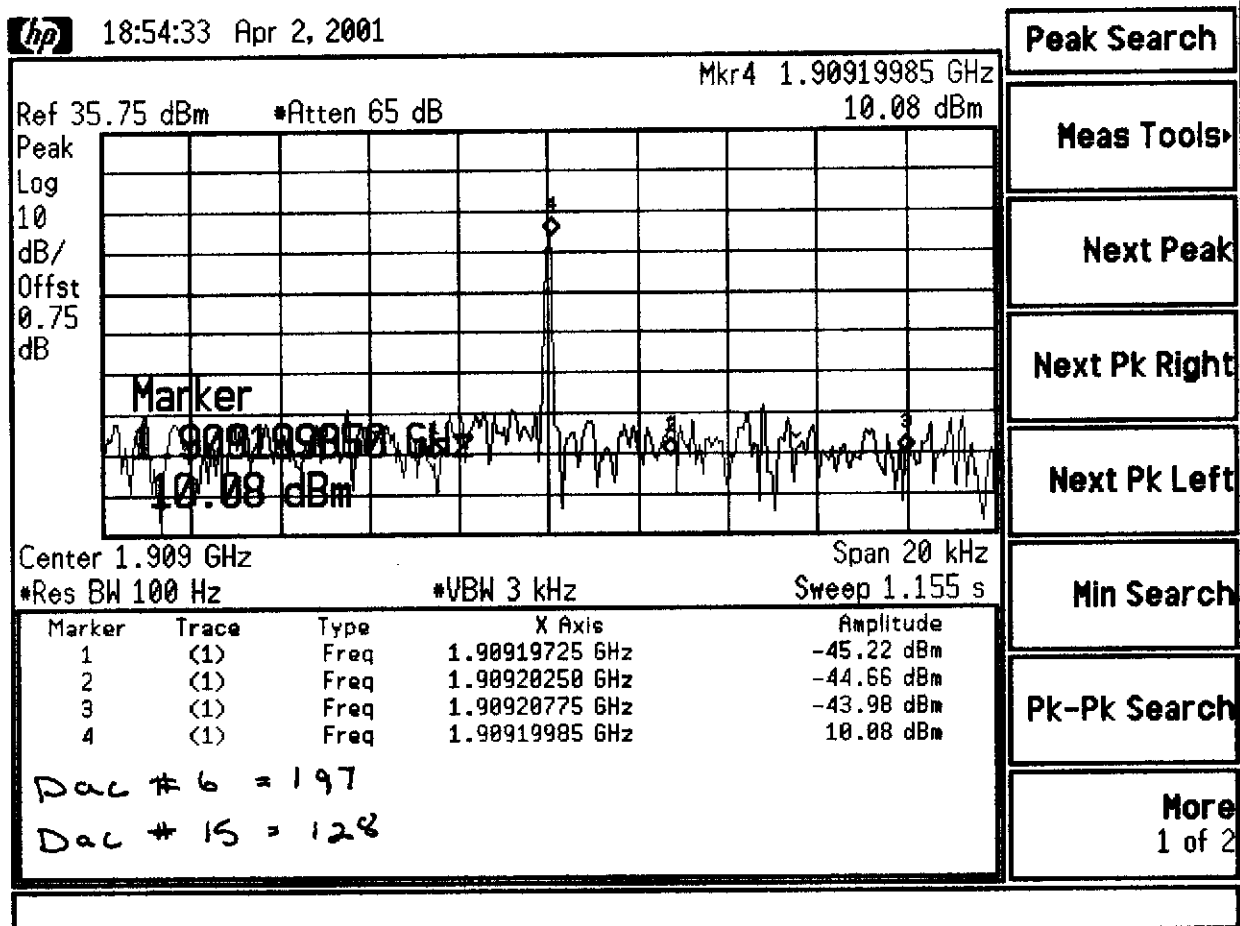
I.M.
InBand

Uplink T1



I.M.
InBand

Uplink T2

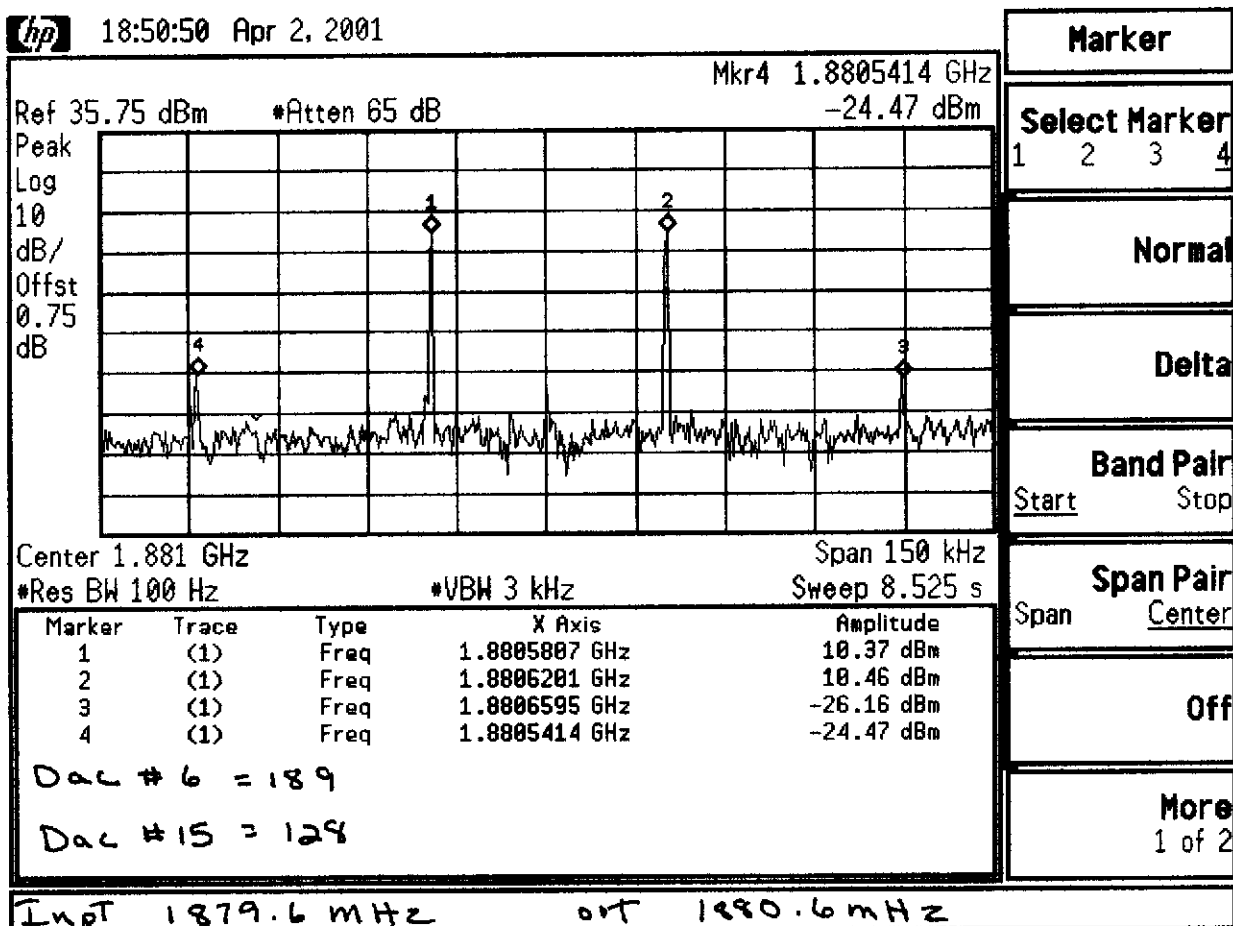


UPL (Top)

Reference

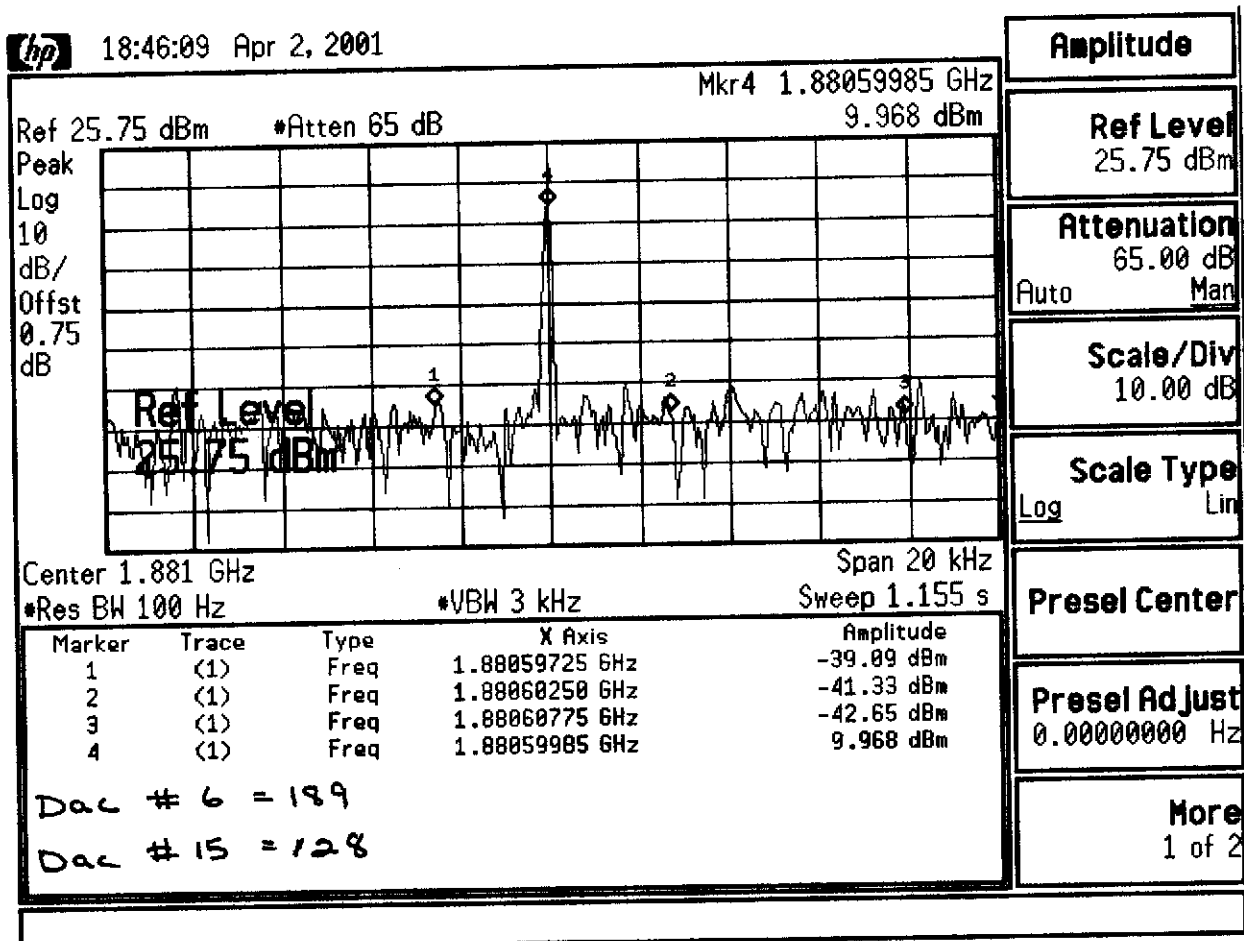
IM
I.B

Uplink m1



IM
I.B

Uplink m2



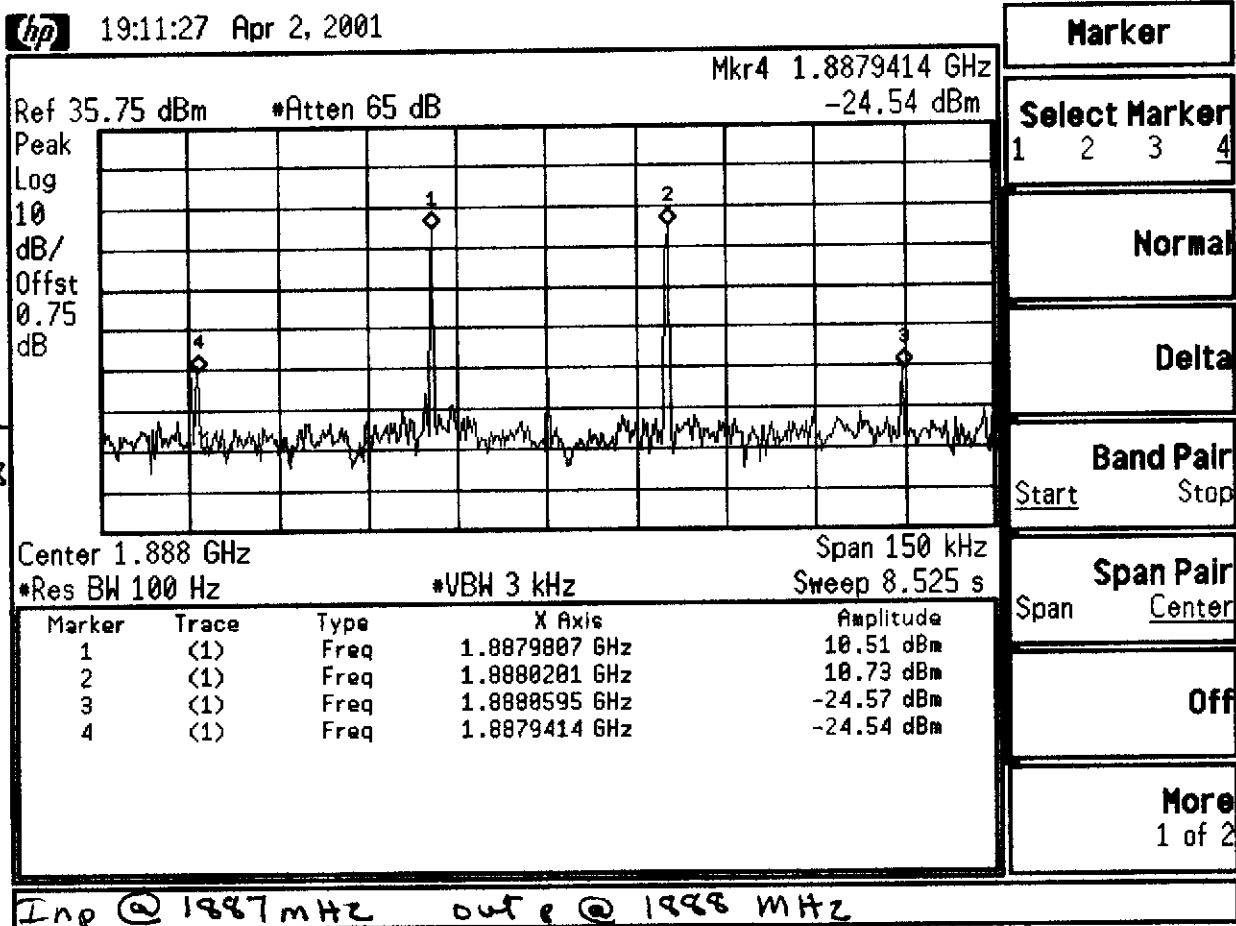
UPL (M)

I.M.
In Band

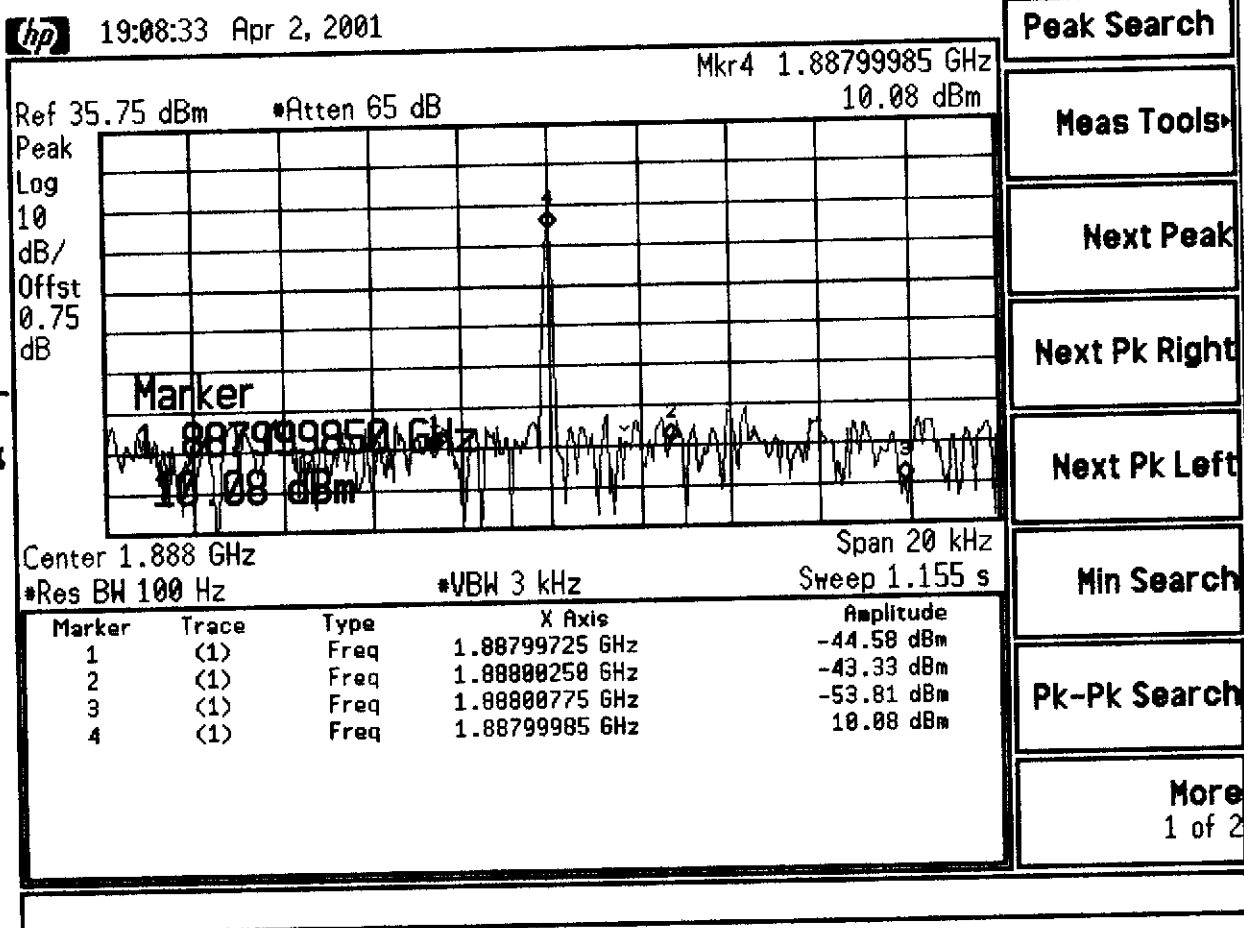
Uplink B1

* In band *

9.7



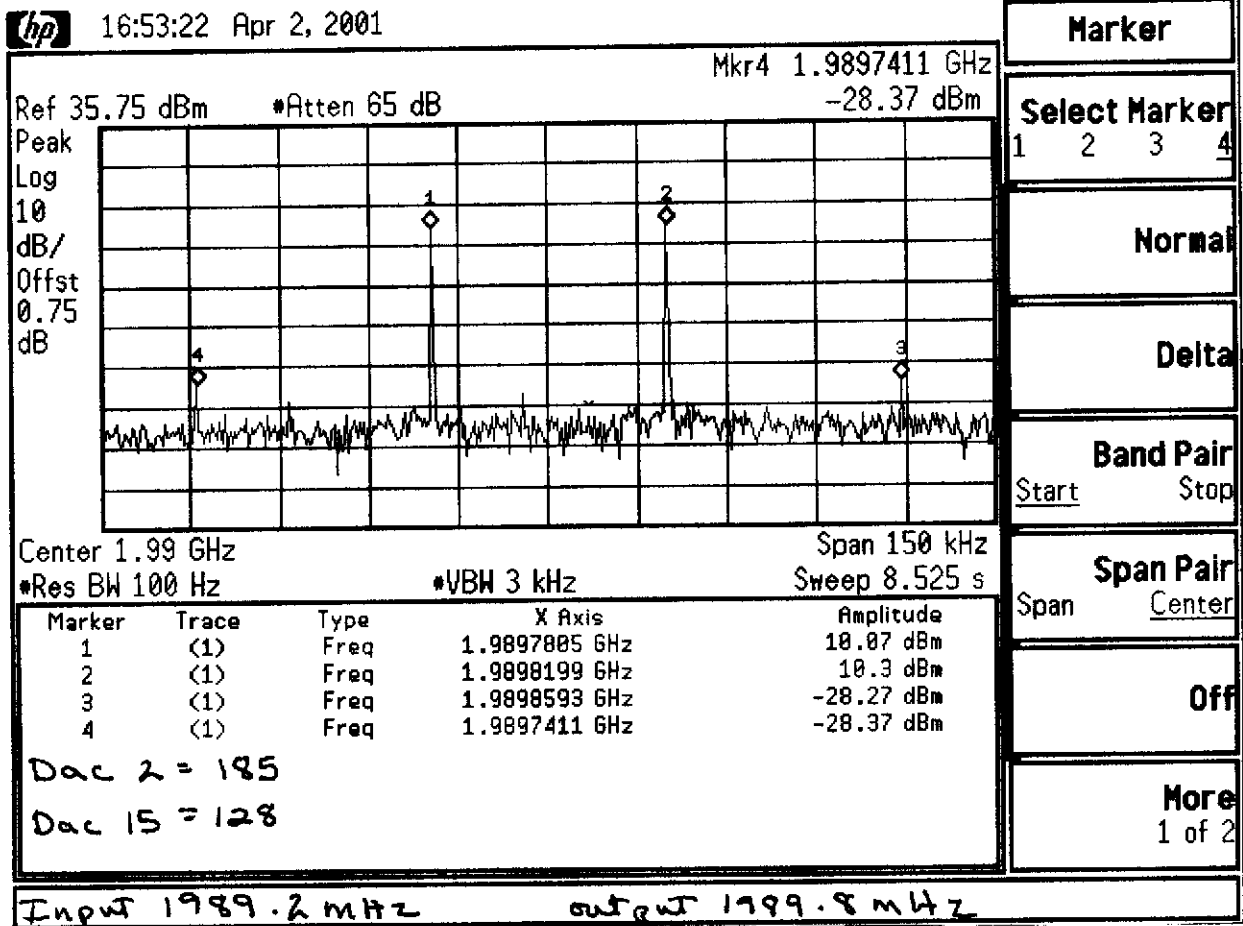
I.M. Uplink B2



UPL (Bottom)

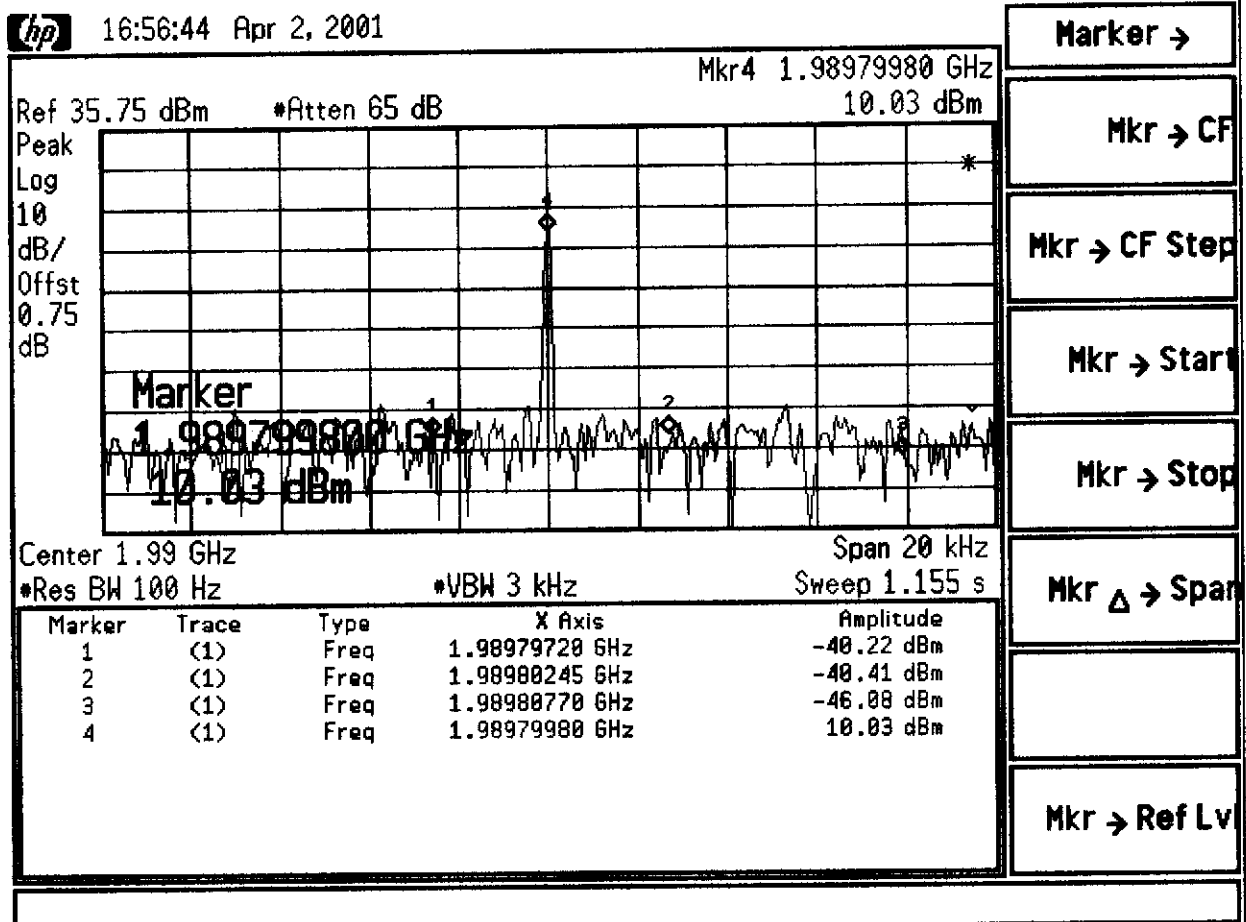
IModulation
InBand

Downlink Top 1



IM
IB

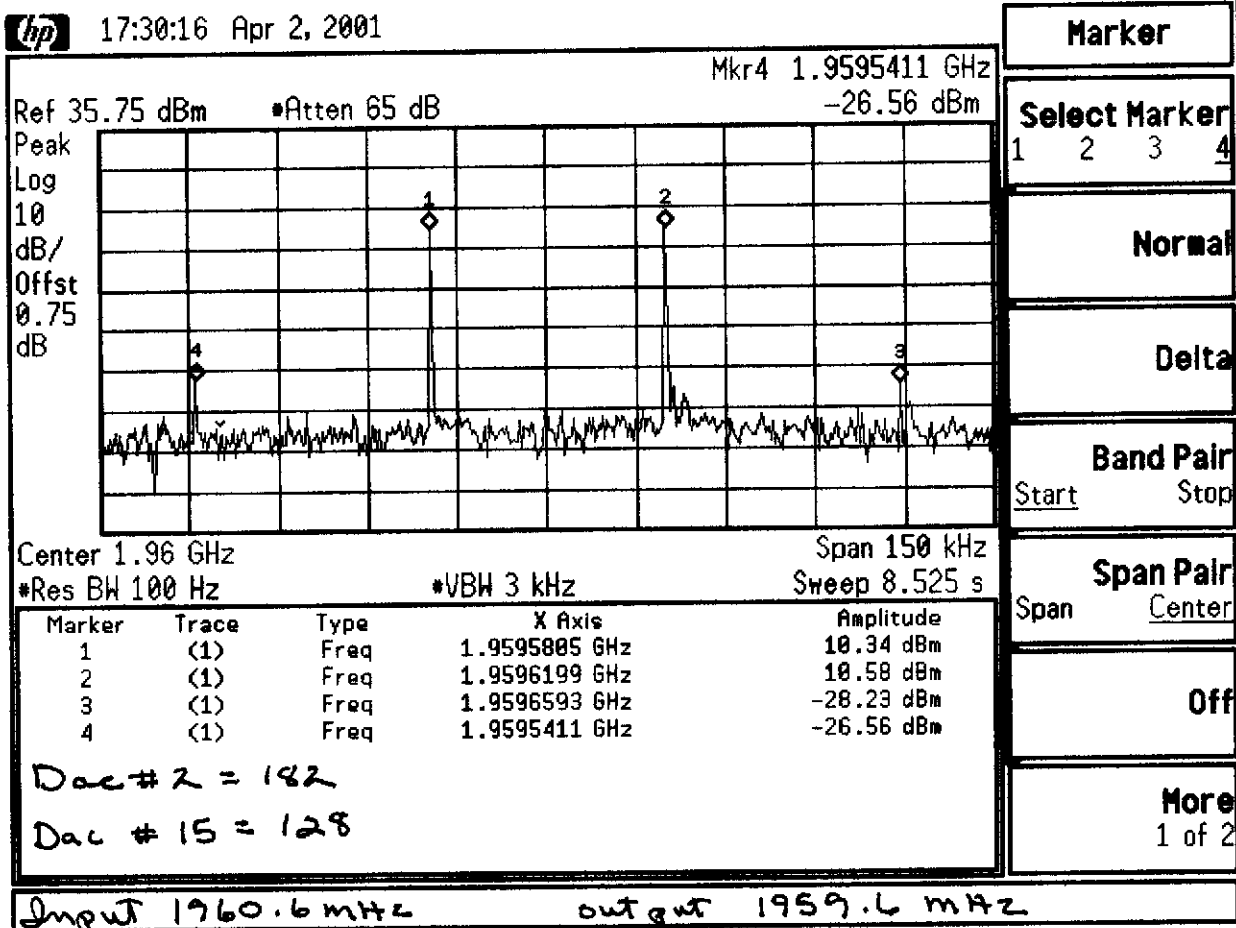
Downlink T2



P Reference

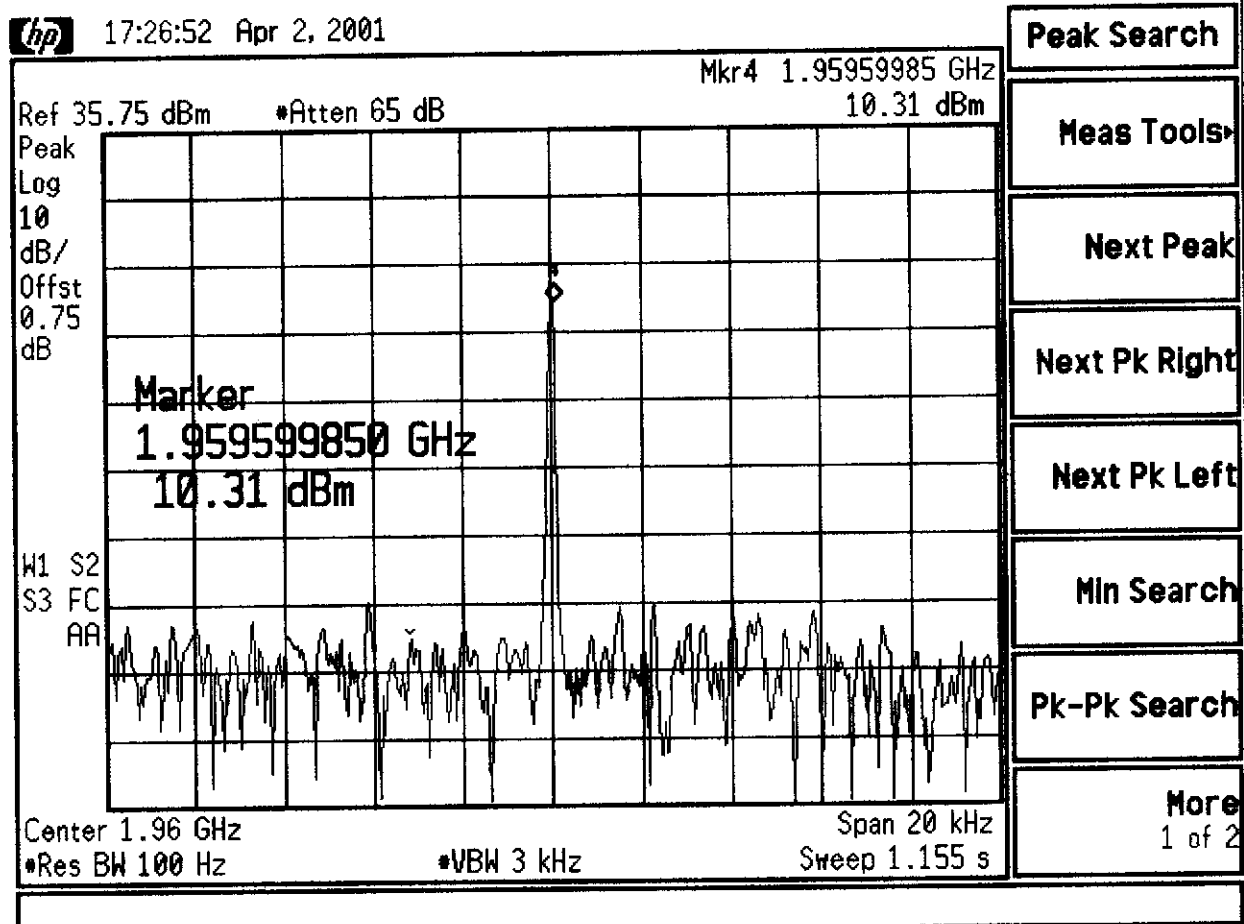
IM
IB

Downlink M1



IM
IB

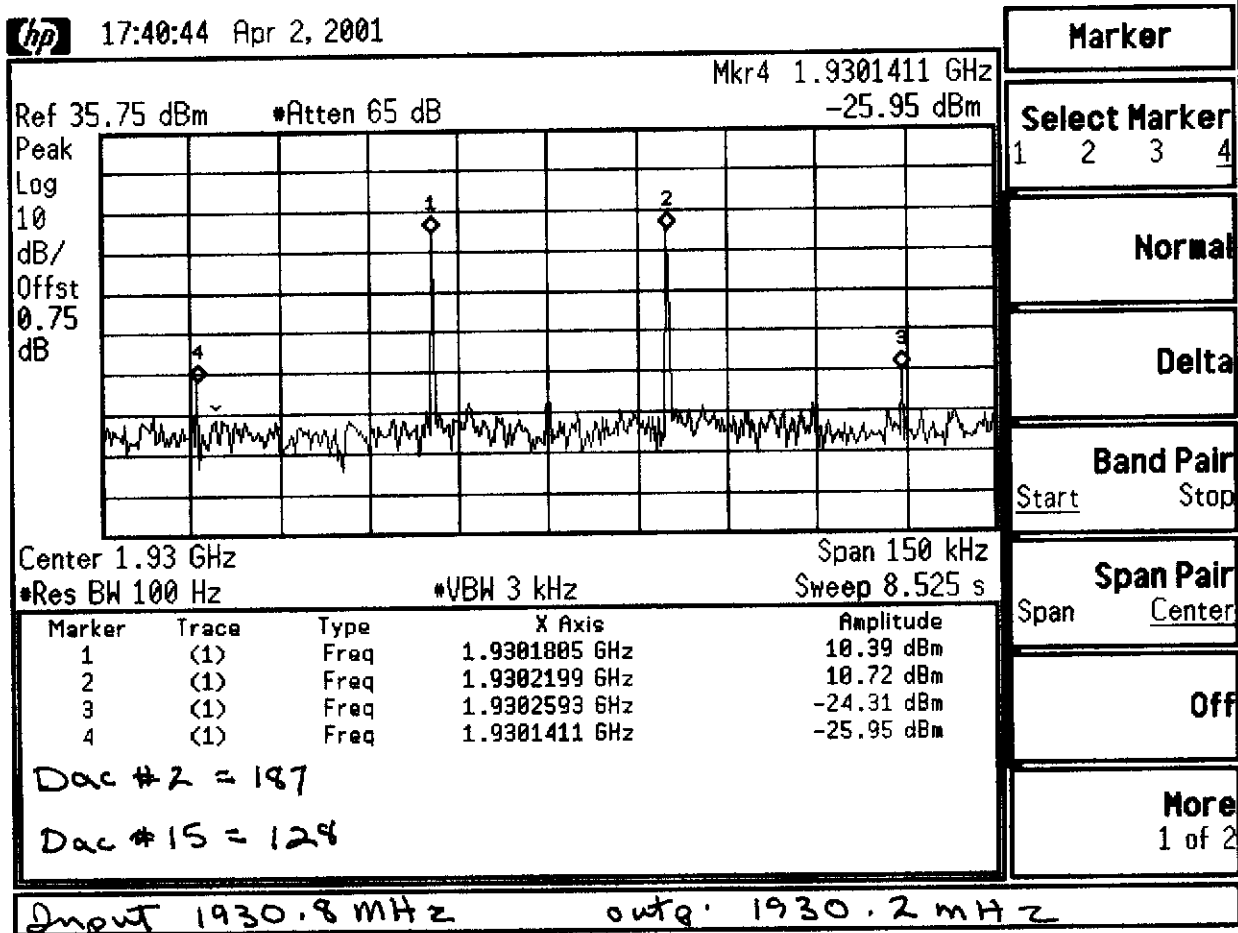
Downlink M2



P Reference

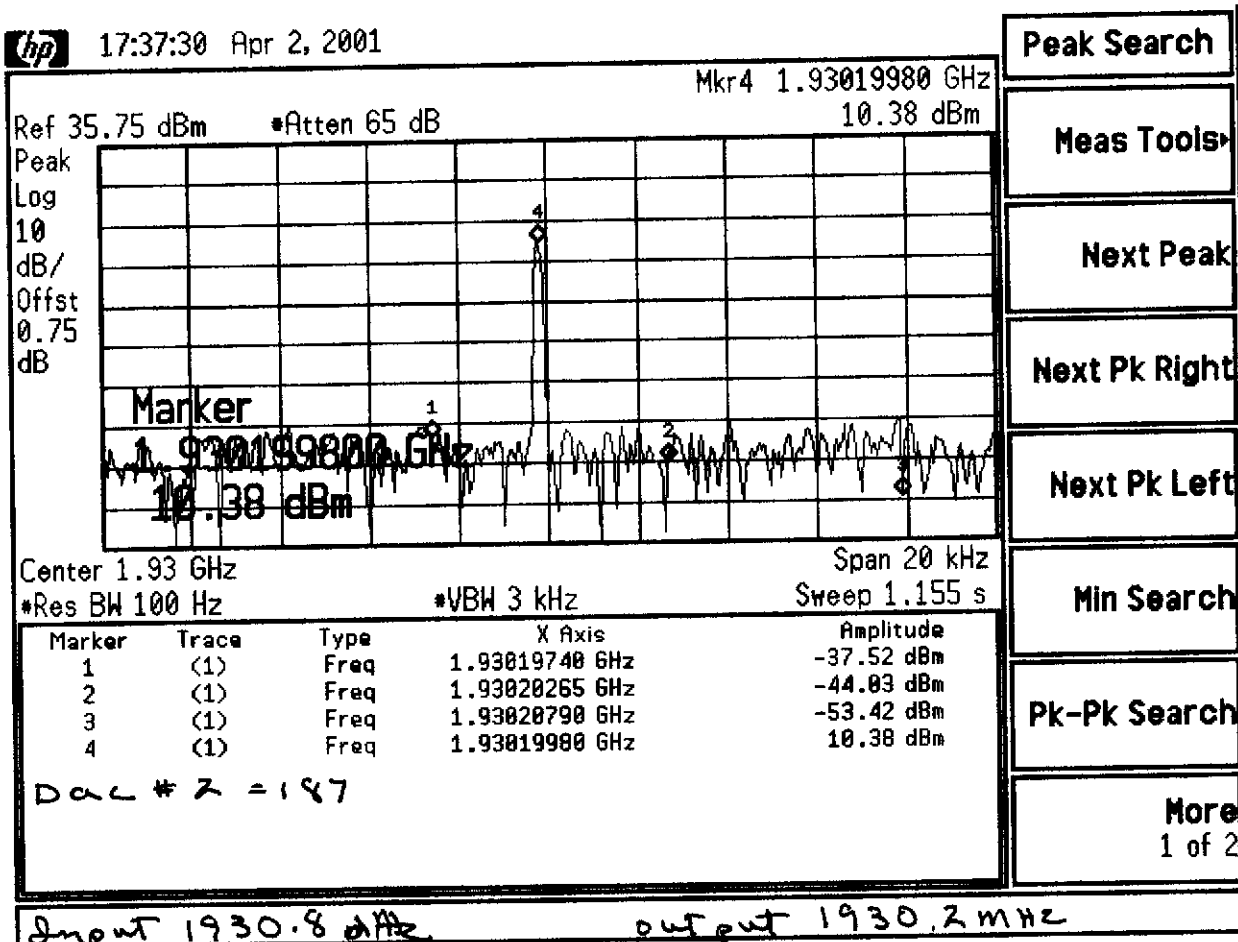
IM
IB

Downlink B1



IM
IB

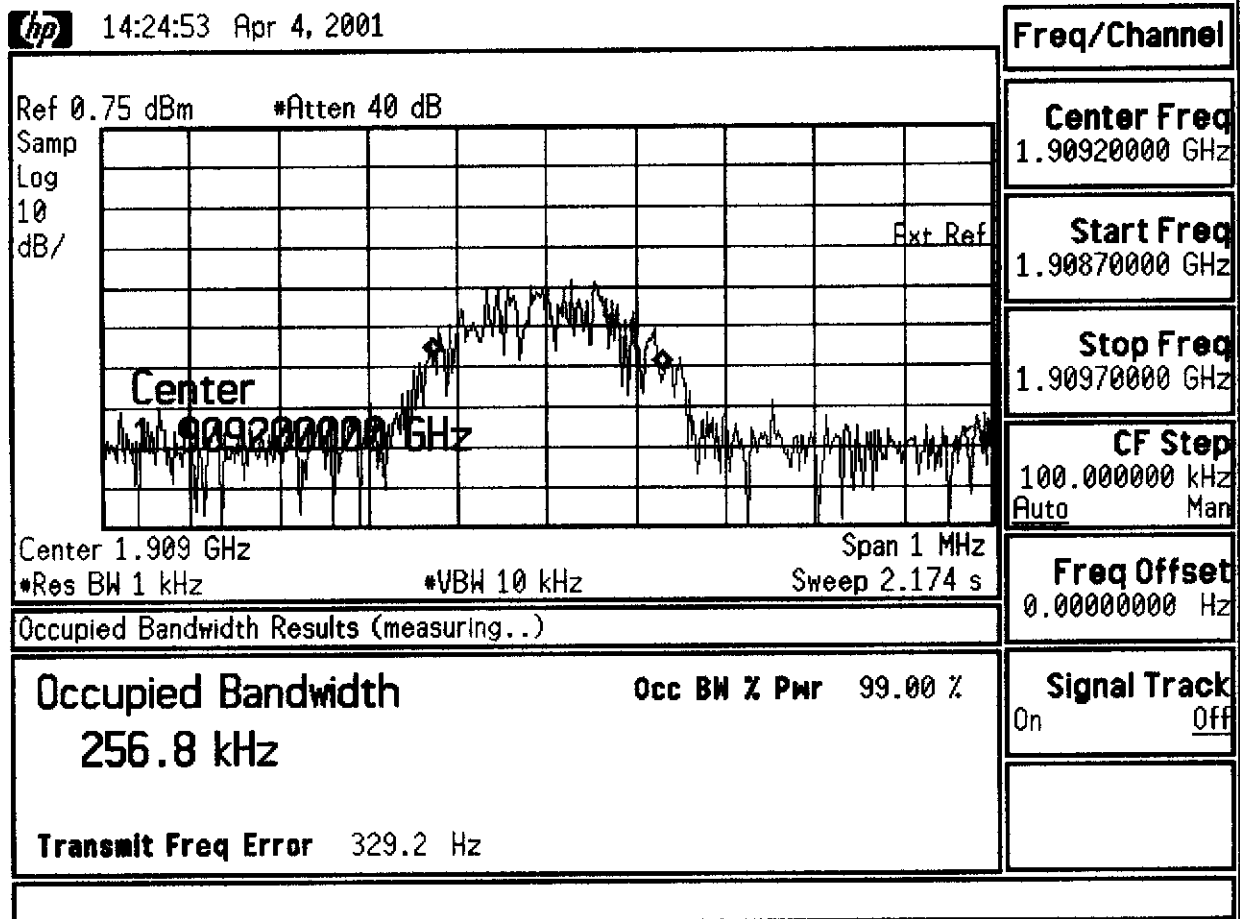
Downlink B2



DL (Mille)
H-H

P Reference

cSpice Occupied bandwidth

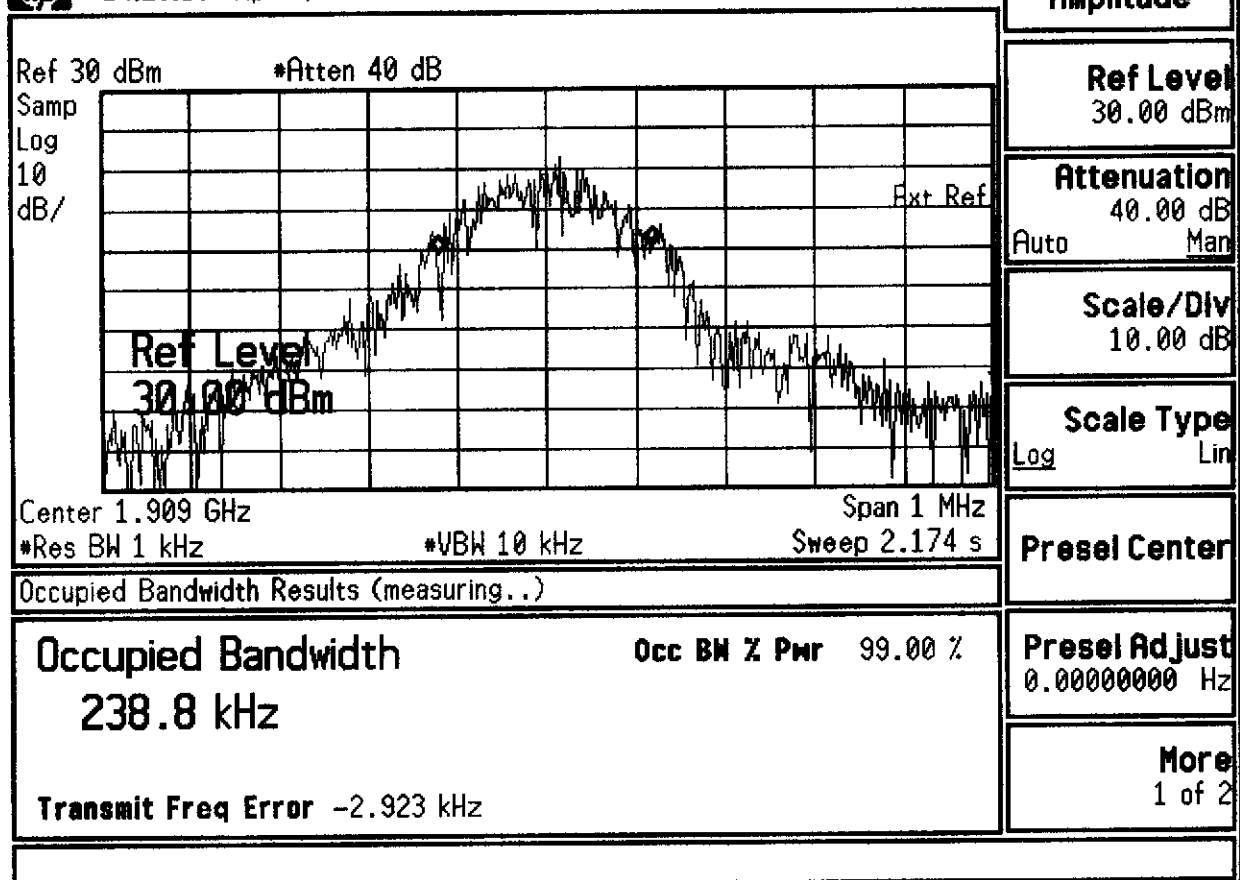


OB-UPLT1.

UPL (T)

1909.2 MHz @ -20 dB (GSM ref)

hp 14:28:50 Apr 4, 2001

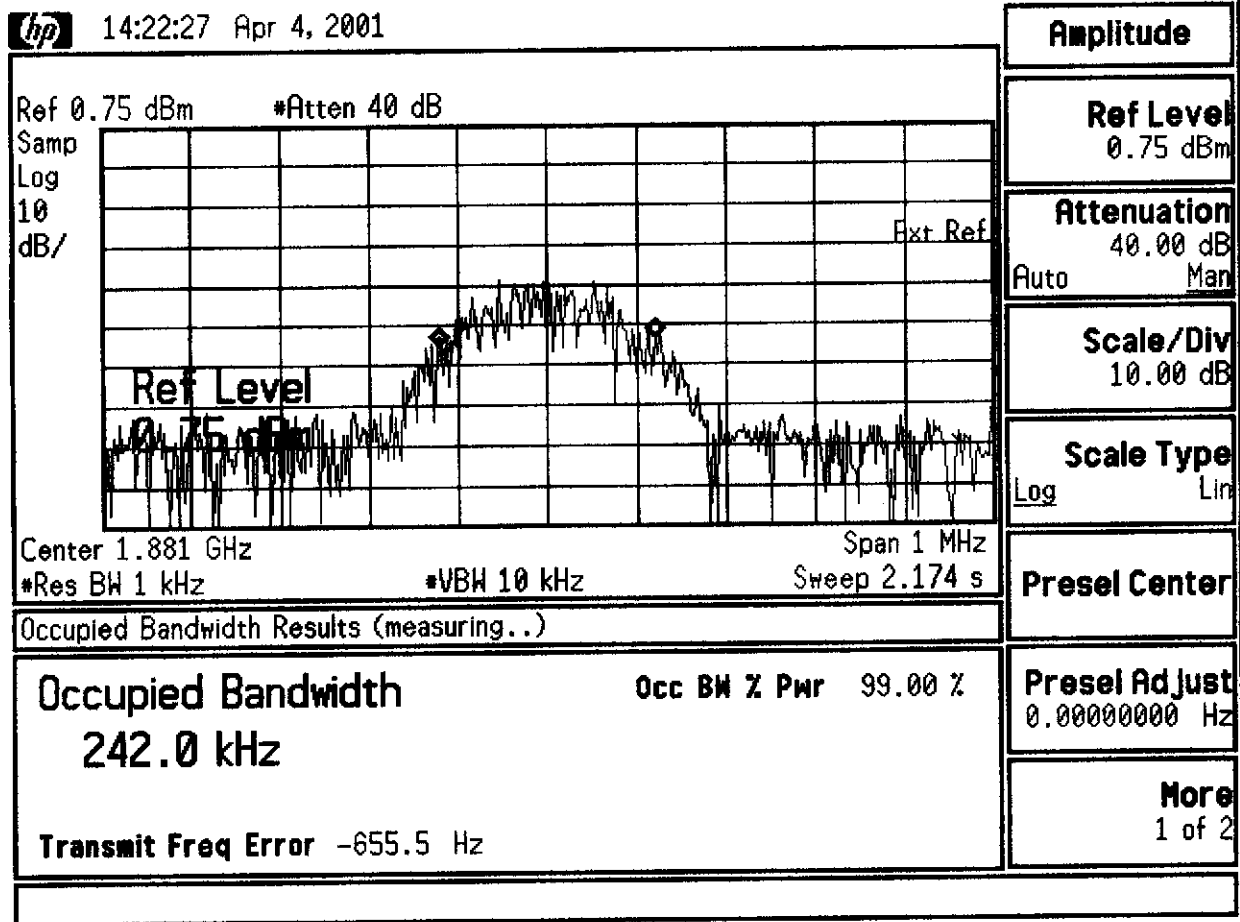


OB-UPLT2

UPL(T)

GSM 0-20 dBm thru "C" spec.

CSPICE

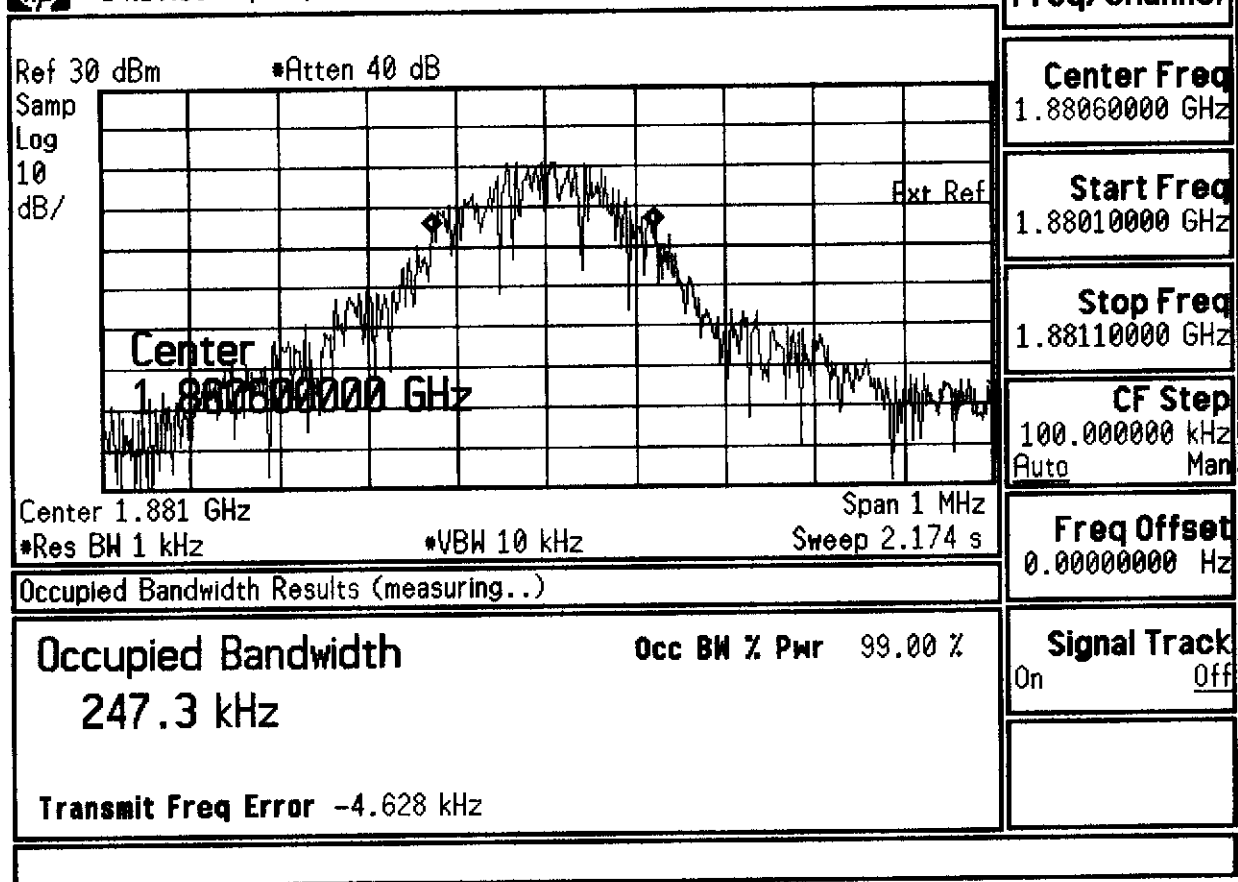


OB-UPL M1.

UPL (M)

Freq. 1880.6 MHz $\pm$ 20 kHz (GSM ref.)

hp 14:19:53 Apr 4, 2001

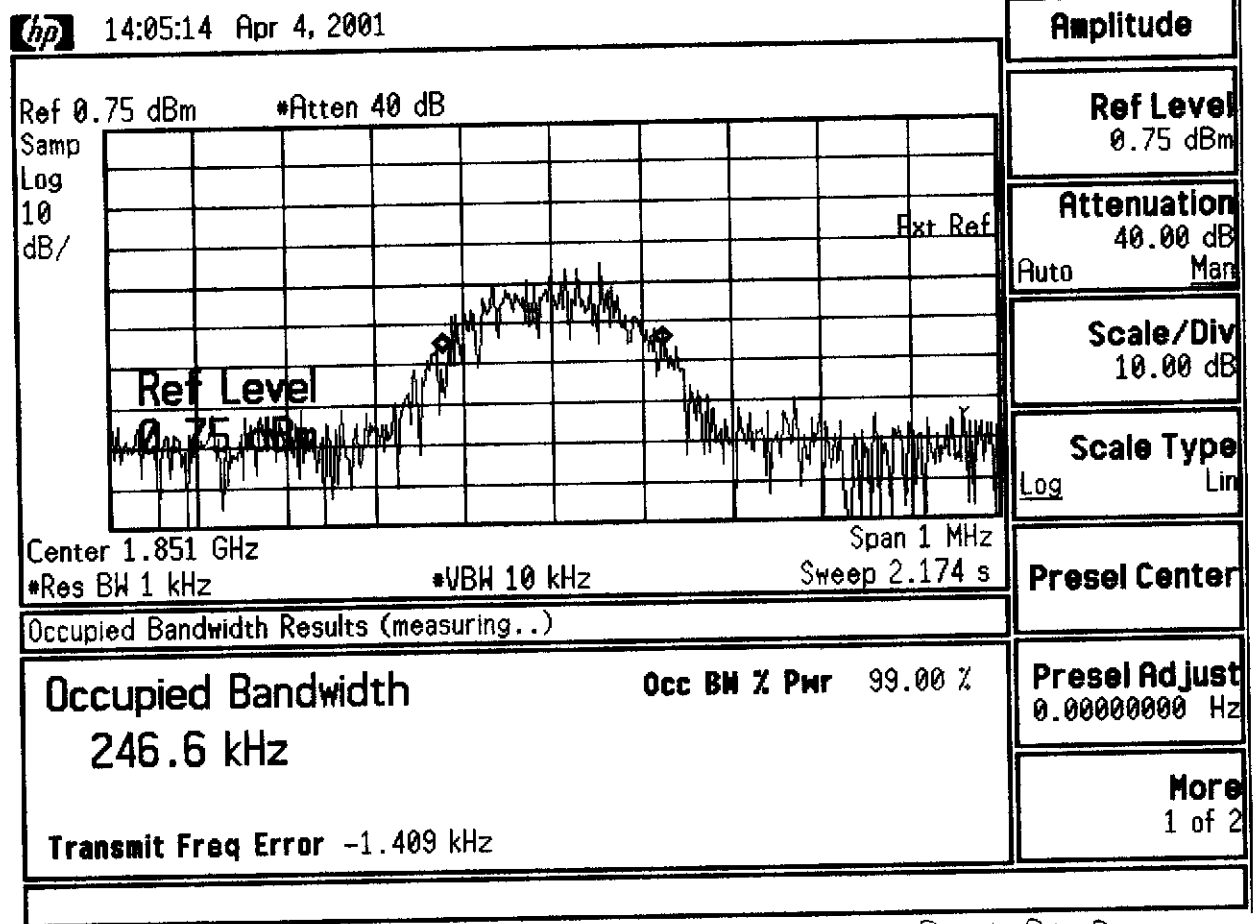


UPL (M)

OB-UPL M2

GSM @ 20 dBm imp. through "C" spur.

cSpice

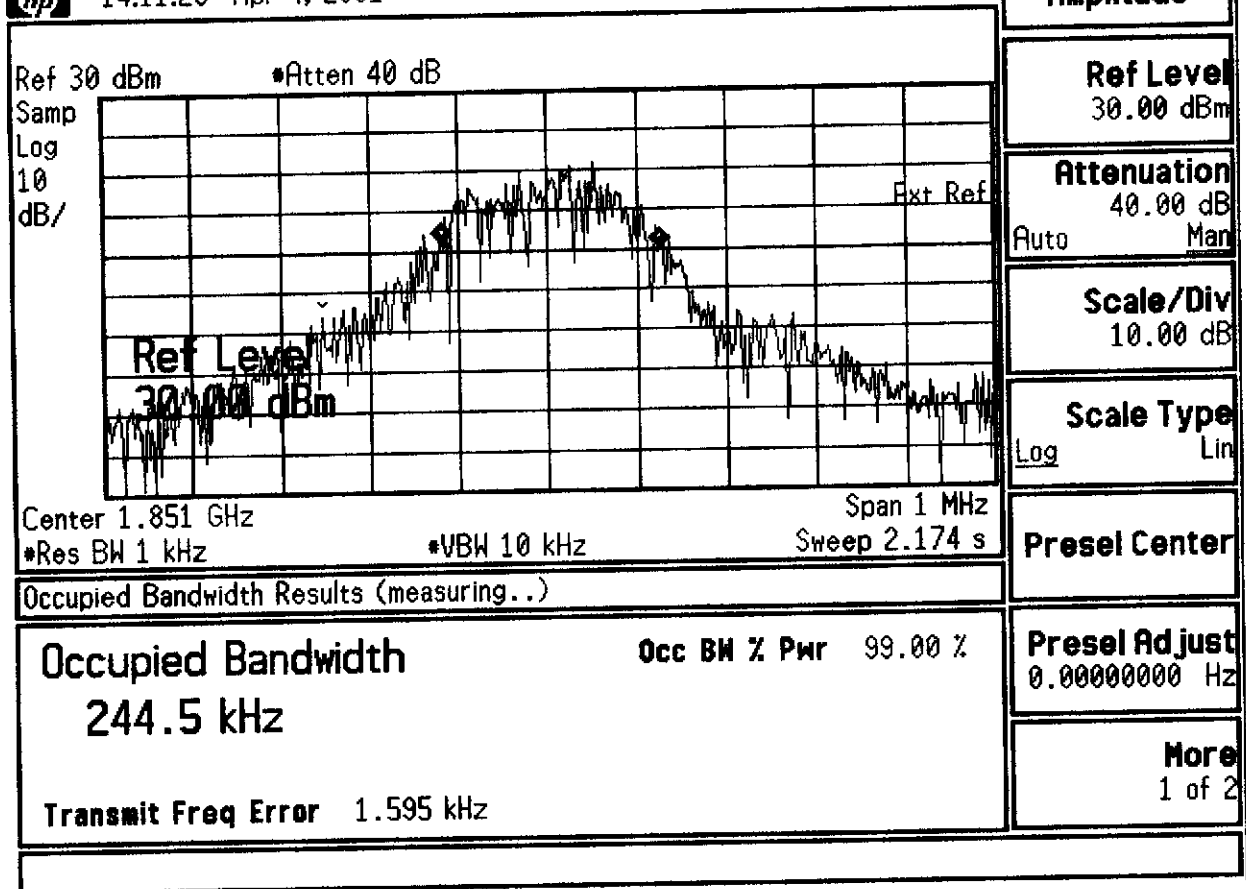


OB-VPLBI.

UPL (B)

Freq. 1850.8 MHz 0-20dB- (GSM ref)

14:11:26 Apr 4, 2001

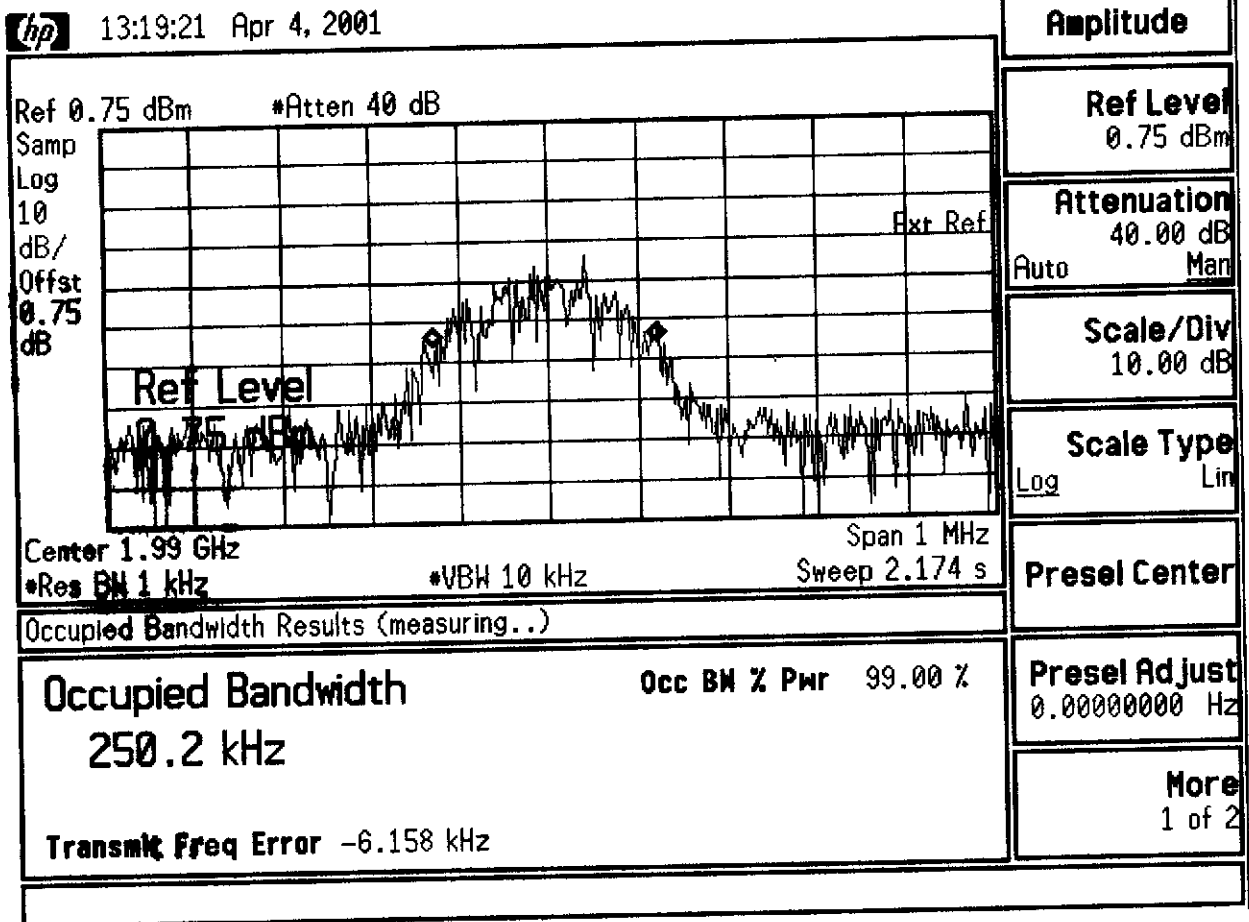


OB-UPLB2.

UPL (B)

GSM @ -20 dBm Inp through "C" spec.

CSQICE



OB-DLTI.

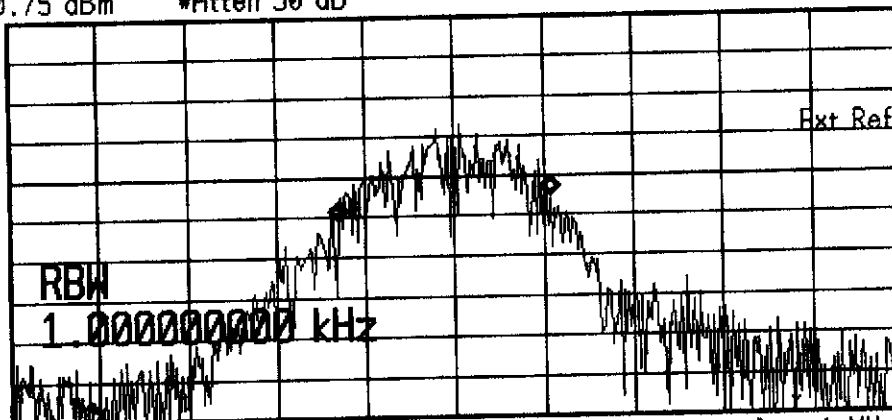
DL (Top)

Freq. up: 1989.2 MHz ref 0 - 20 dB - inp. (GSM ref.)

hp 13:28:31 Apr 4, 2001

Ref 40.75 dBm *Atten 50 dB

Samp
Log
10
dB/
Offst
0.75
dB



Center 1.99 GHz

*Res BW 1 kHz

*VBW 10 kHz

Span 1 MHz

Sweep 2.174 s

Occupied Bandwidth Results (measuring...)

Occupied Bandwidth
237.5 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error -10.04 kHz

BW/Avg

Resolution BW

1.00000000 kHz
Auto Man

Video BW

10.00000000 kHz
Auto Man

VBW/RBW Ratio

1.00000

Average

10
On Off

Average Type

Video Power

EMI Res BW

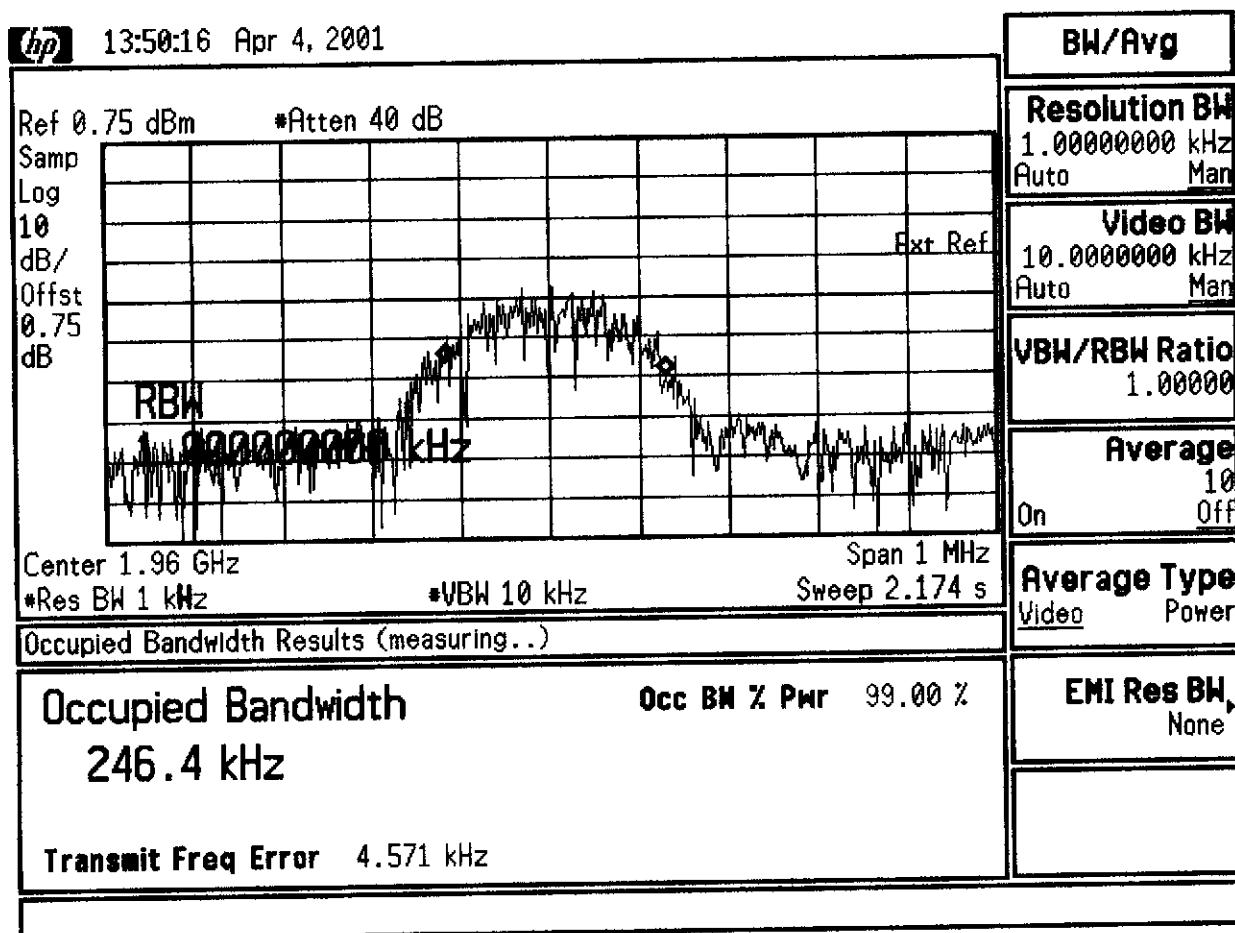
None

OB-DLT 2

Thru C spike.

DL (T)

CSQICE

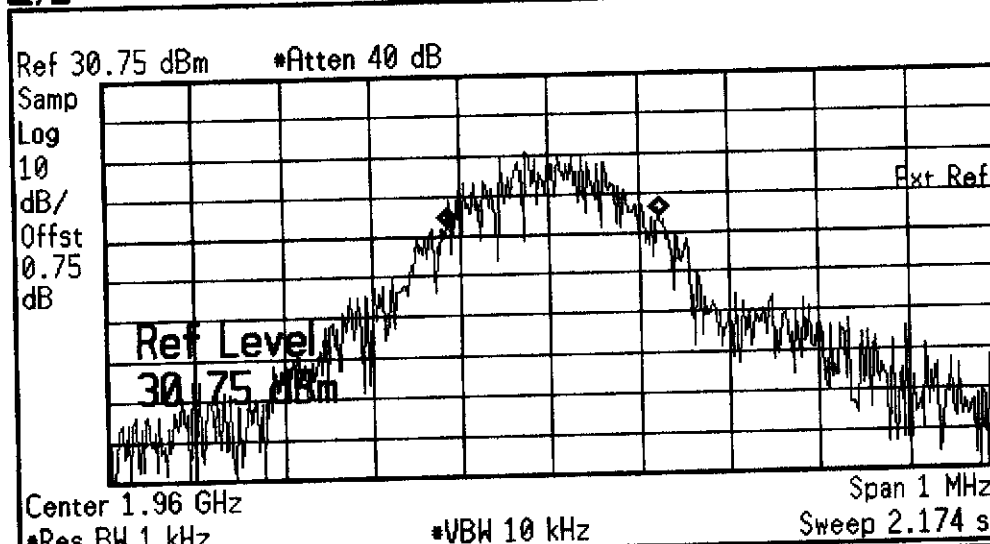


OB-DLMI

DL (M)

1959.6 MHz @ -20 dBm as ref (GSM)

hp 13:53:22 Apr 4, 2001



Amplitude
Ref Level 30.75 dBm
Attenuation 40.00 dB Auto Man
Scale/Div 10.00 dB
Scale Type Log Lin
Presel Center
Presel Adjust 0.00000000 Hz
More 1 of 2

Occupied Bandwidth Results (measuring..)	
Occupied Bandwidth 237.1 kHz	Occ BW % Pwr 99.00 %
Transmit Freq Error 2.981 kHz	

DL(M)

OB-DLM2.

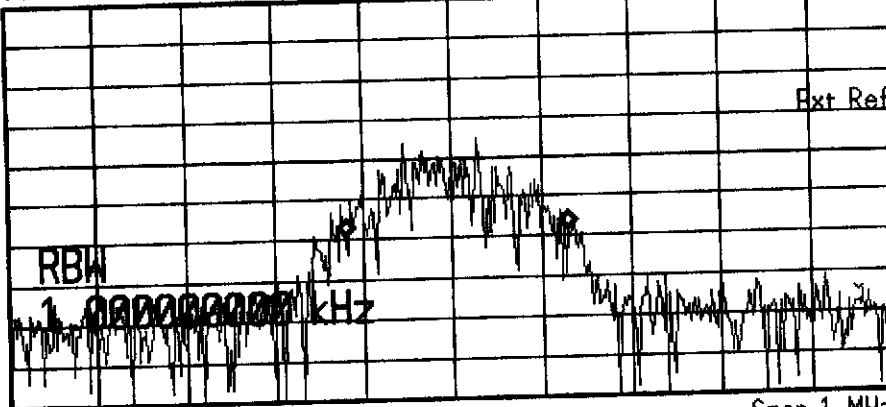
GSM @ -20dBm through "C" splice.

cSpice

14:00:37 Apr 4, 2001

Ref 0.75 dBm *Atten 40 dB

Samp
Log
10
dB/



Center 1.93 GHz

*Res BW 1 kHz

*VBW 10 kHz

Span 1 MHz

Sweep 2.174 s

Occupied Bandwidth Results (measuring..)

Occupied Bandwidth

247.9 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 2.925 kHz

BW/Avg

Resolution BW

1.00000000 kHz
Auto Man

Video BW

10.00000000 kHz
Auto Man

VBW/RBW Ratio

1.000000

Average

10
On Off

Average Type

Video Power

EMI Res BW

None

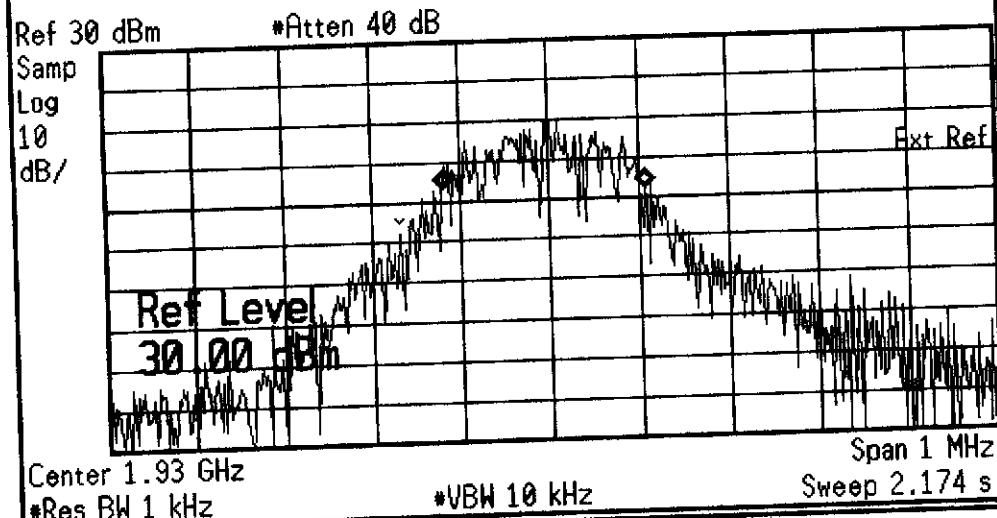
OB-DLBI.

DL (B)

1930.2 MHz @ -20 dB - as ref from GSM.



14:01:51 Apr 4, 2001



Occupied Bandwidth Results (measuring...)

Occupied Bandwidth
227.3 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error -5.854 kHz

Amplitude

Ref Level
30.00 dBm

Attenuation
40.00 dB
Auto Man

Scale/Div
10.00 dB

Scale Type
Log Lin

Presel Center

Presel Adjust
0.00000000 Hz

More
1 of 2

OB-DLB2.

DL(B)

Through "C" spia.