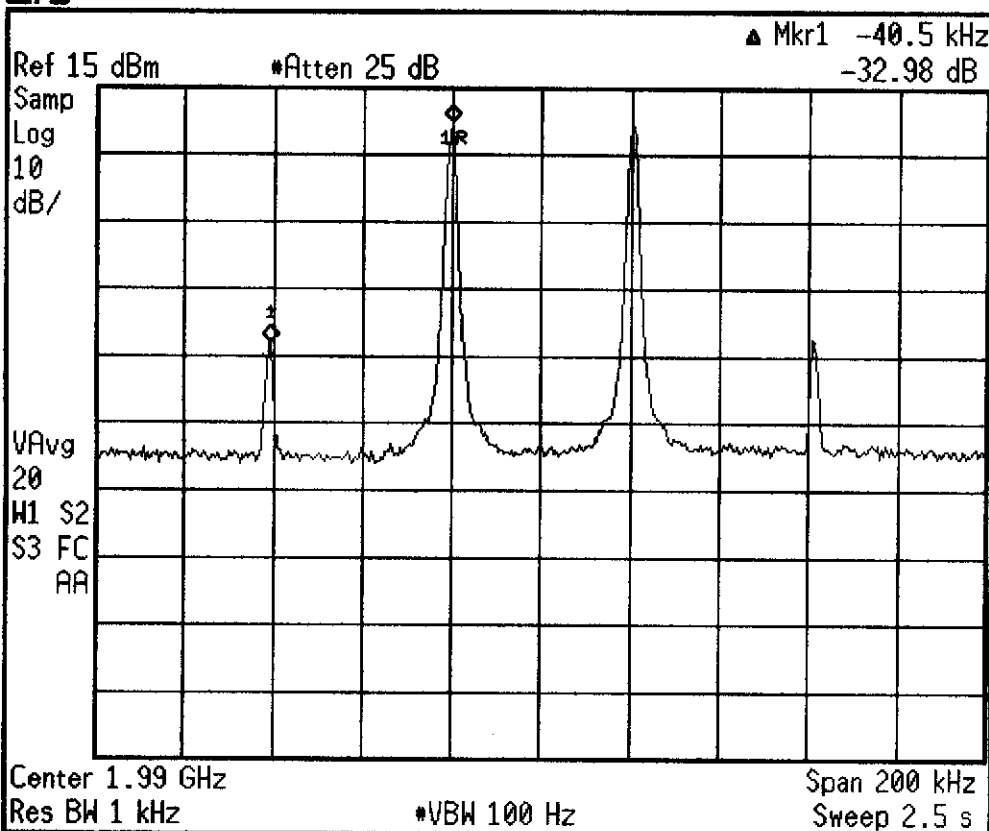


hp 16:45:45 Apr 11, 2001



BW/Avg

Resolution BW
1.00000000 kHz
Auto Man

Video BW
100.000000 Hz
Auto Man

VBW/RBW Ratio
1.00000

Average
20
On Off

Average Type
Video Power

EMI Res BW
None

bTMB-DLT.

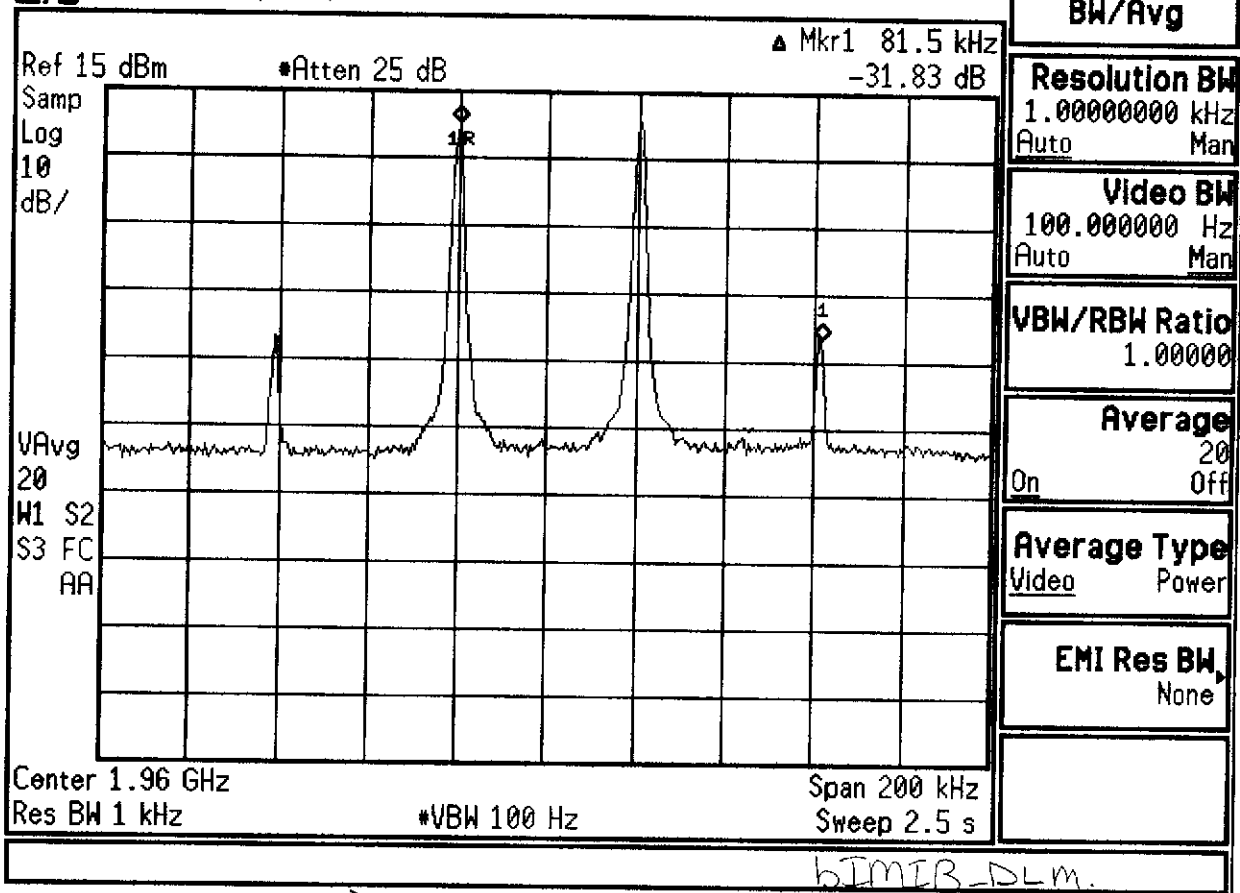
B SPICE (BOOOS)

IN BAND IMD

A/L, T @ MAX GAIN

INTERFERER	#1	1989.18 MHz	@ -28 dBm
	#2	1989.22 MHz	@ -28 dBm

hp 16:41:35 Apr 11, 2001



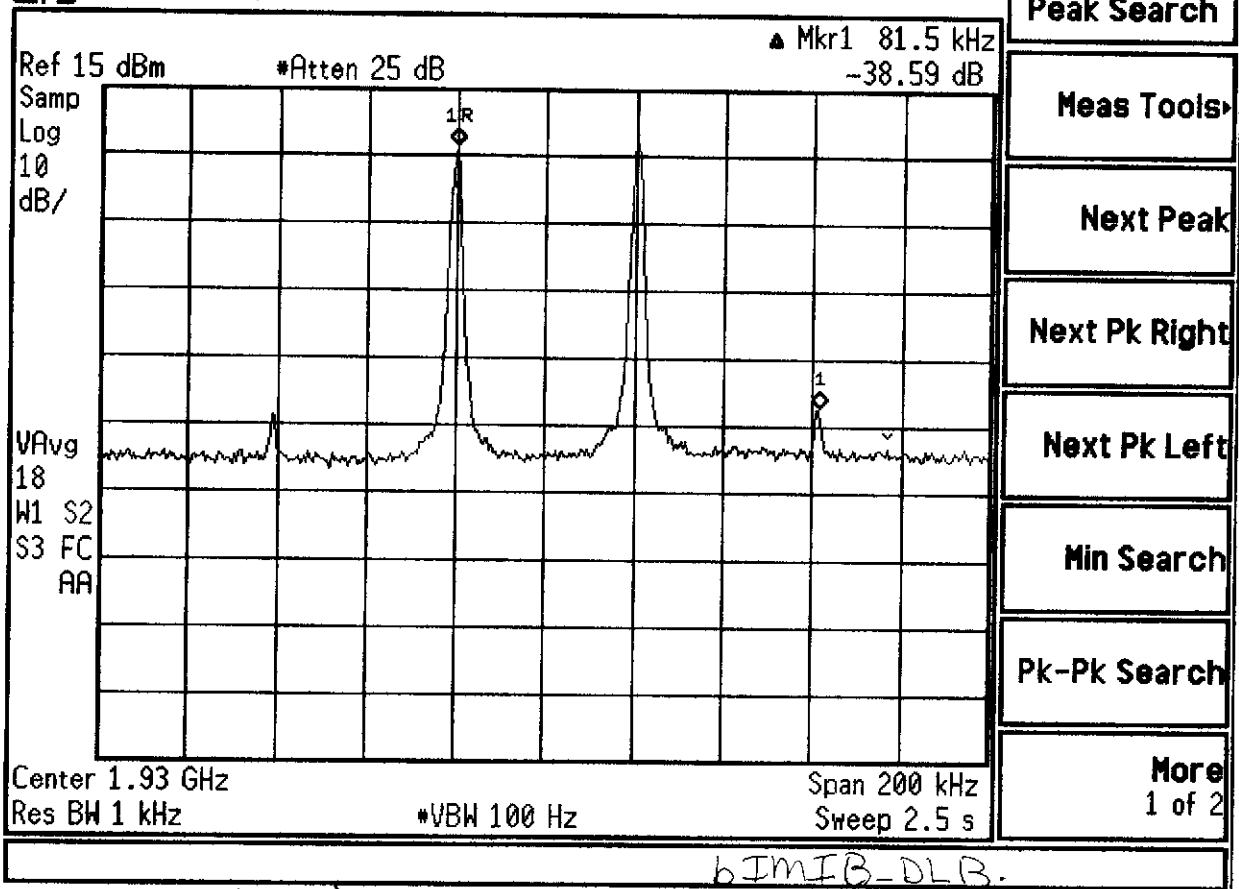
BSPICE (20005)

IN BAND IMD

$\Delta L, M$ @ MAX GAIN

INTERFERER #1 1960.58 MHz @ -28 dBm

" #2 1960.62 MHz @ -28 dBm



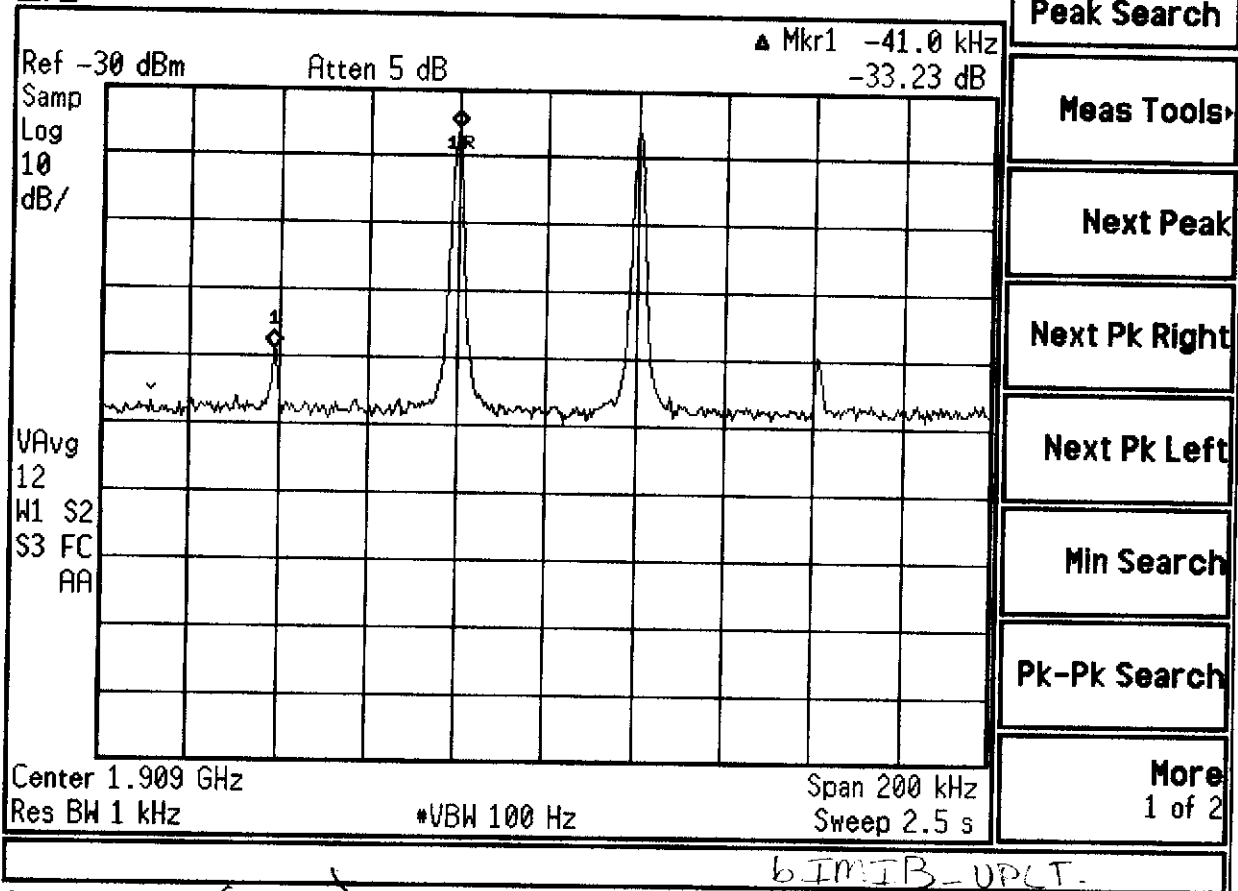
B SPICE (2000S)

1/1 BAND IMA

D/L, B @ MAX GAIN

INTERFERER	# 1	1930.78 MHz	@ -28 dBm
"	# 2	1930.82 MHz	@ -28 dBm

hp 16:18:18 Apr 11, 2001

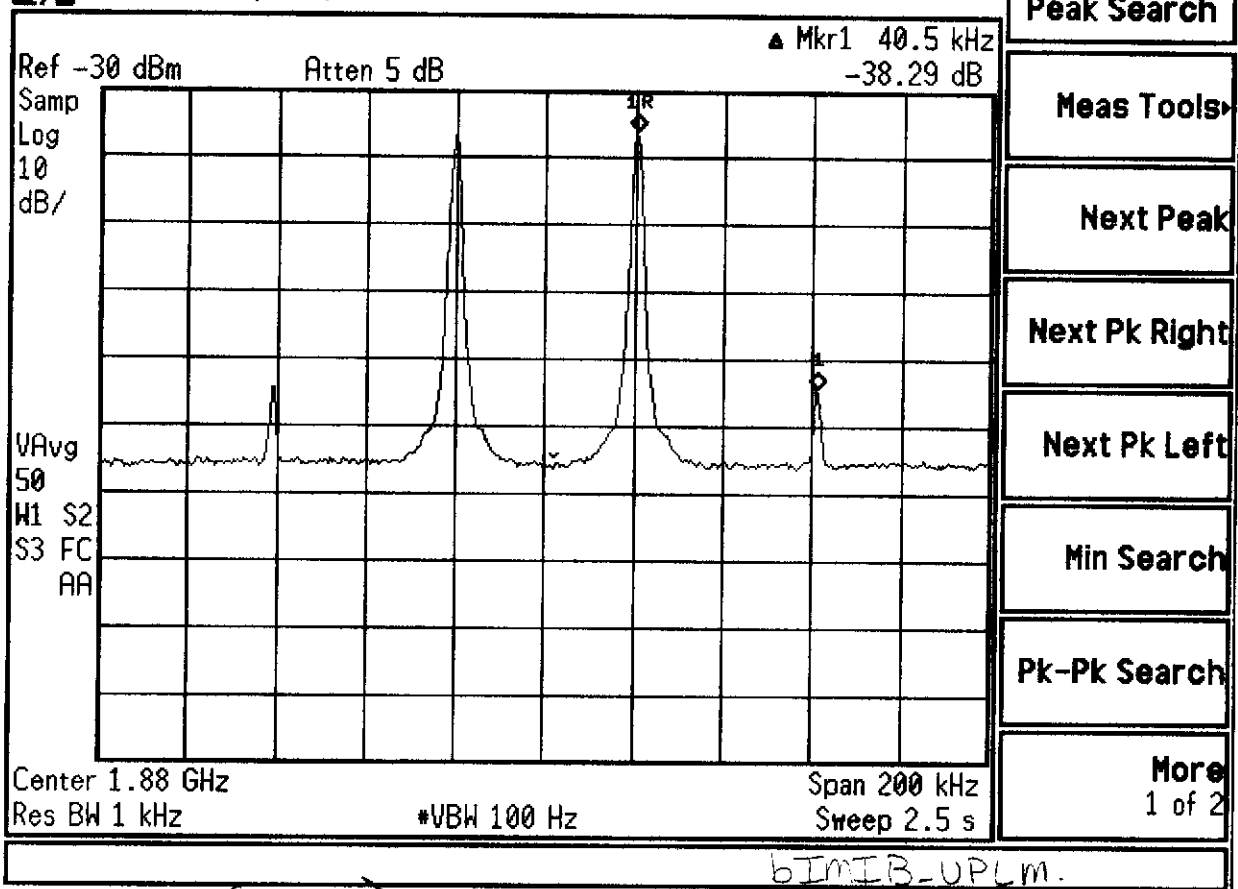


8 SP1LE (2000S)

IN BAND IMD

V/L, T @ MAX GAIN

INTERFERENCE	# 1	1909.78 MHz	@ -6dBm
"	# 2	1909.82 MHz	@ -6dBm

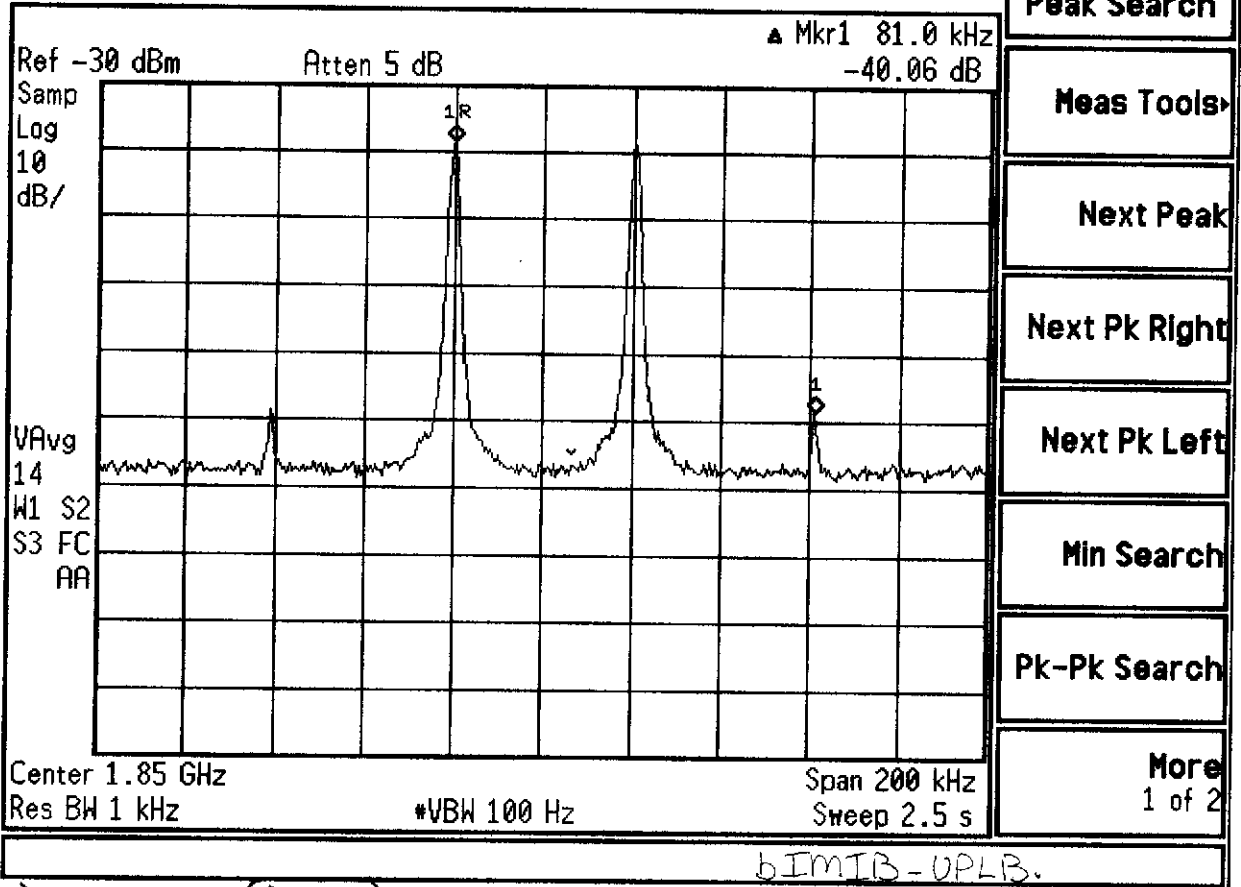


BSPICE (2000 S)

IN BAND IMD

U/L, M @ MAX 64m

INTERFERER	# 1	1880.58 MHz	@ -6 dBm
"	# 2	1880.62 MHz	@ 6 dBm



BSPICE (2000s)

IN BAND IMD

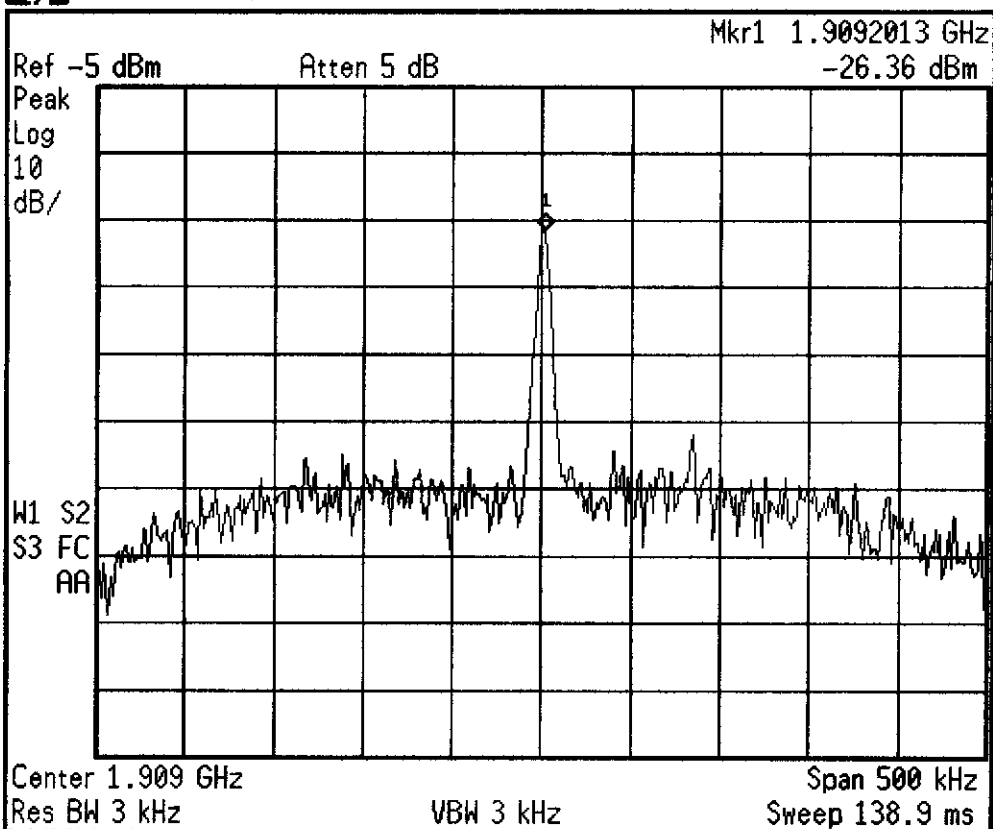
U/L, B @ MAX GAIN

INTERFERER #1

1850.18 MHz @ -6dBm

" #2

1850.22 MHz @ -6dBm



Peak Search

Meas Tools

Next Peak

Next Pk Right

Next Pk Left

Min Search

Pk-Pk Search

More
1 of 2

6IMC-O-B-DPLT1.

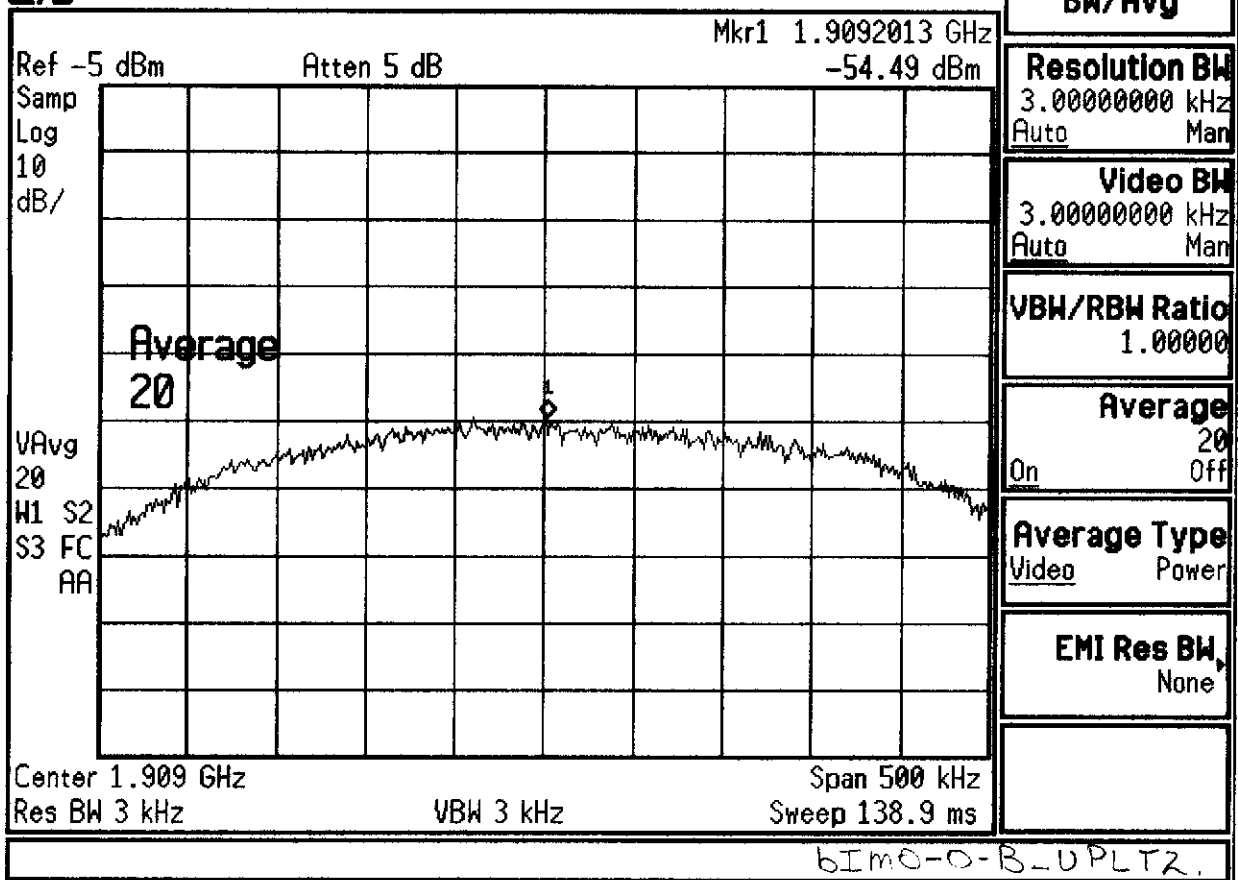
E SPICE (2000S)

OUT OF LINE 7 MB

$U/L, T$ @ MAX GAIN

P_{rec} $f_{in} : 1909.8 \text{ MHz}$
 $P_{in} : -3 \text{ dBm}$

hp 09:23:19 Apr 12, 2001



SPICE (Booos)

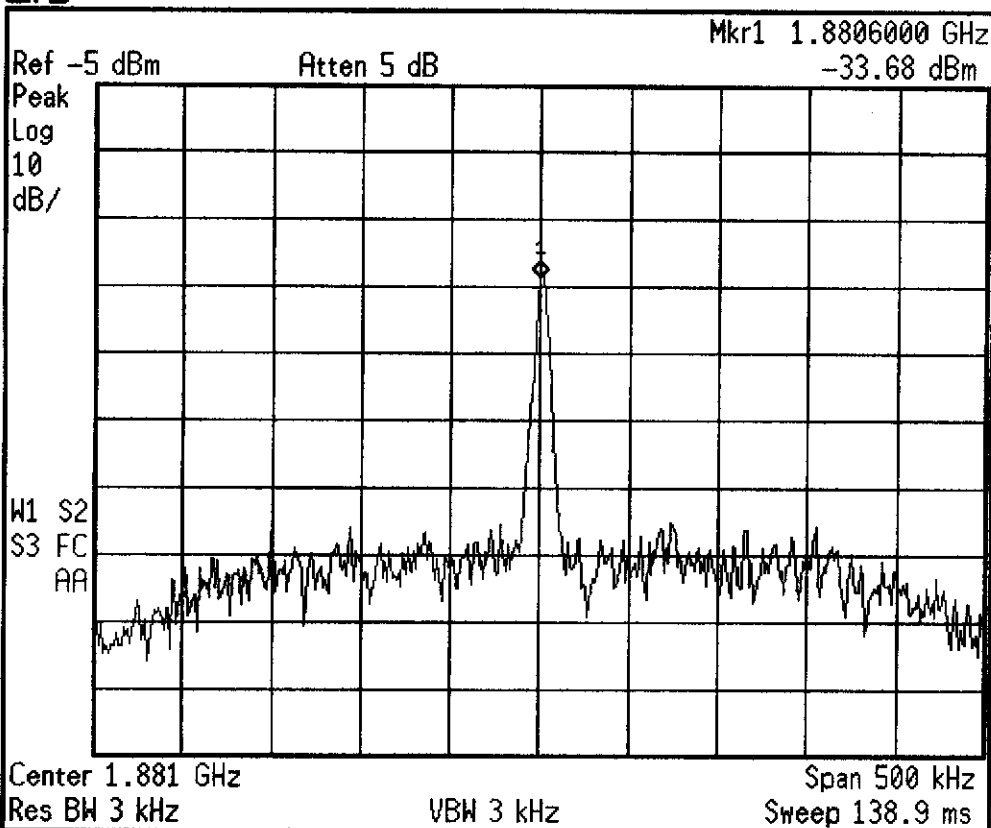
OUT OF BAND I M S

U/L, T @ MAX GAIN

INTERFERER #1 1910.8 @ 17 dBm
 " " #2 1911.8 @ 17 dBm

~48 dBc

hp 09:16:59 Apr 12, 2001



BW/Avg

Resolution BW

3.00000000 kHz
Auto Man

Video BW

3.00000000 kHz
Auto Man

VBW/RBW Ratio

1.00000

Average

20
On Off

Average Type

Video Power

EMI Res BW

None

6IMO-0-B-UPLMI.

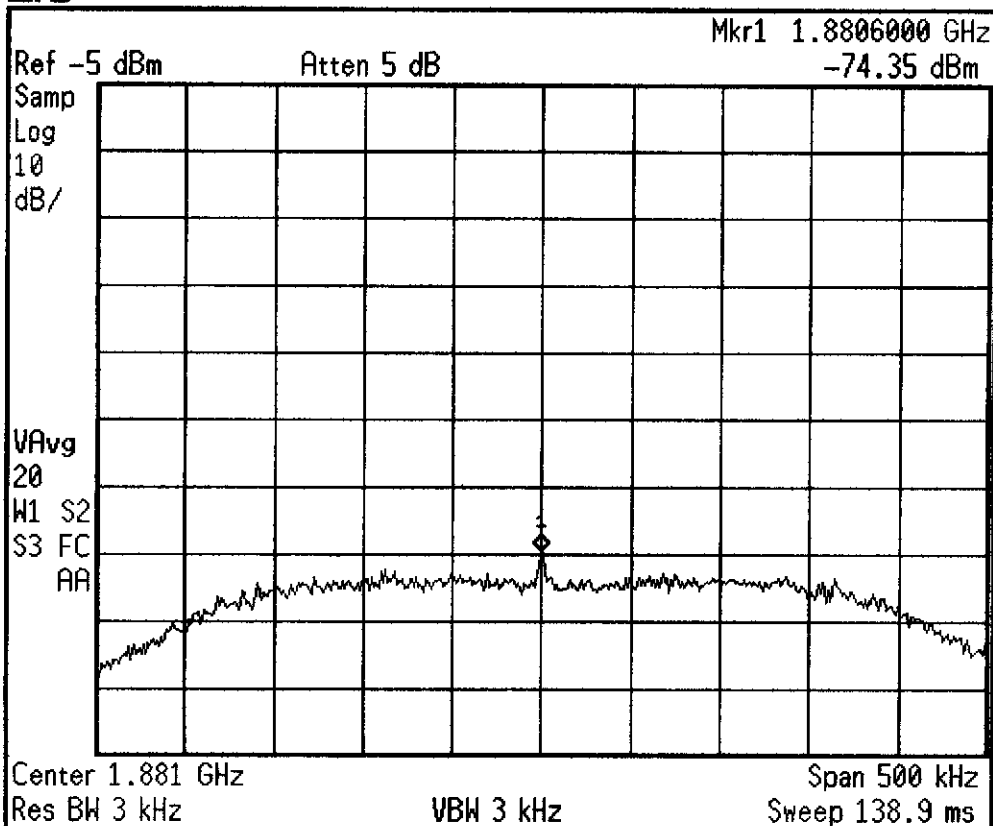
B SPICE (BOOCS)

OUT OF RANGE TMS

U/L, M @ MAX GAIN

P_{REF} F_{IN} : 1879.6 MHz
 P_{IN} : -3dBm

hp 09:18:25 Apr 12, 2001



Peak Search

Meas Tools

Next Peak

Next Pk Right

Next Pk Left

Min Search

Pk-Pk Search

More
1 of 2

6IMO-0-B-UPLM2.

IS SPIRE (BOOS)

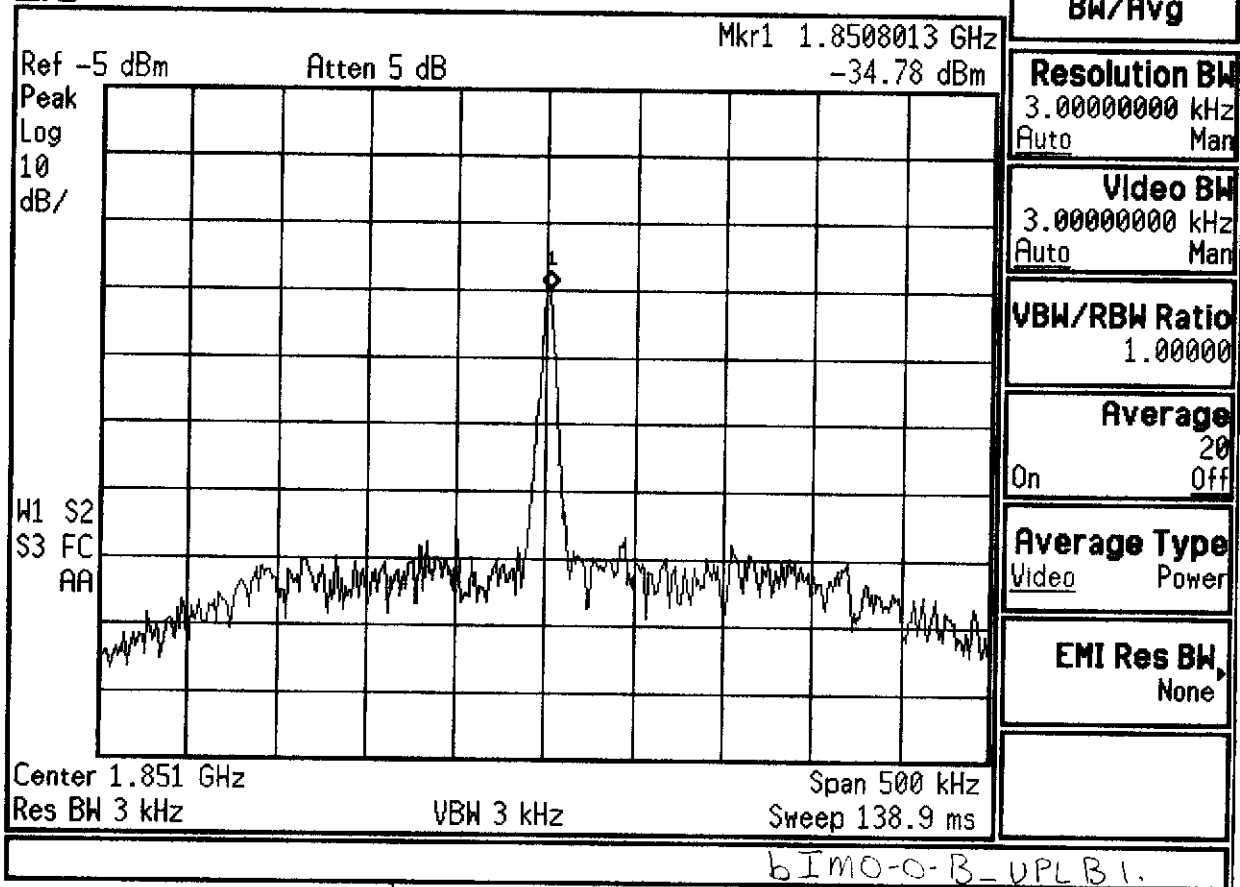
OUT OF BAND IMA

U/L, M @ MAX GAIN

INTERFERER #1	1880.6	@	17dBm
" #2	1881.6	@	17dBm

~ 60dBc

hp 09:11:37 Apr 12, 2001

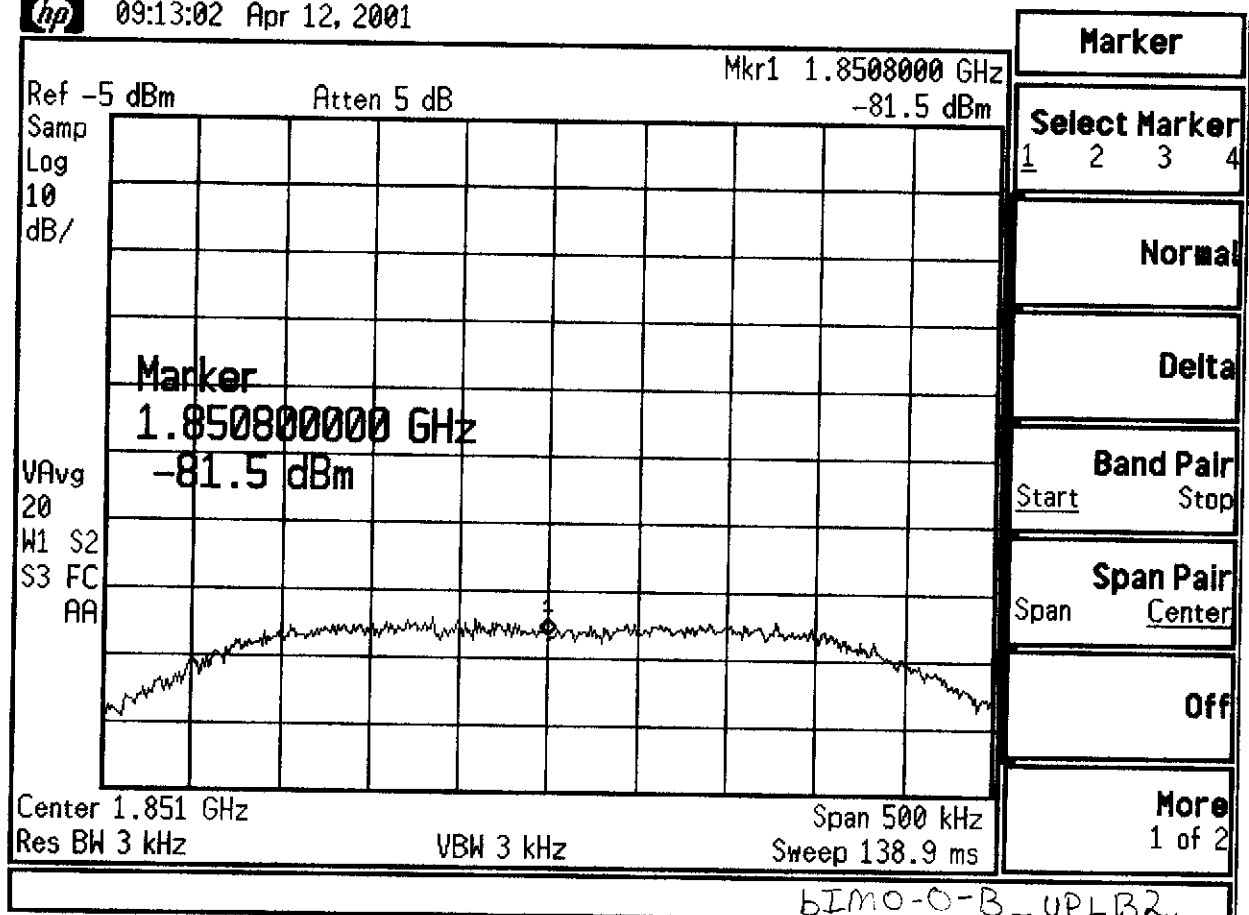


B SPICE (2000S)

OUT OF BAND IM

V/L, B @ MAX GAIN

PREP f_{IN} : 1850.2 MHz
 P_{IN} : -3 dBm



E SPICE (5000S)

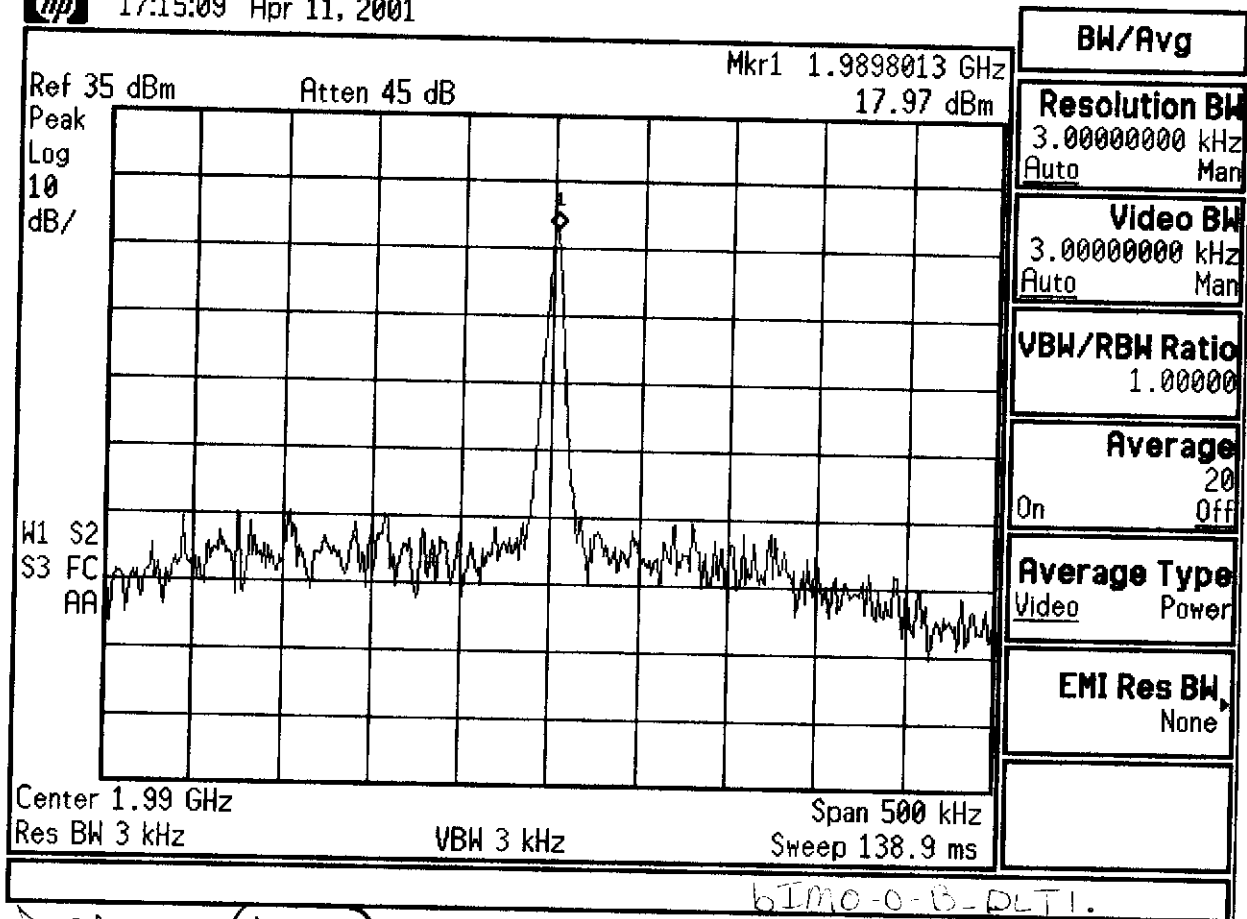
~ 68dBc

OUT OF BAND IML

U/L, E @ MAX (A/N)

INTERFERER # 1 1851.2 MHz @ 17dBm
2 1852.2 MHz @ 17dBm

hp 17:15:09 Apr 11, 2001



B SPICE (3000S)

OUT OF BAND IMD

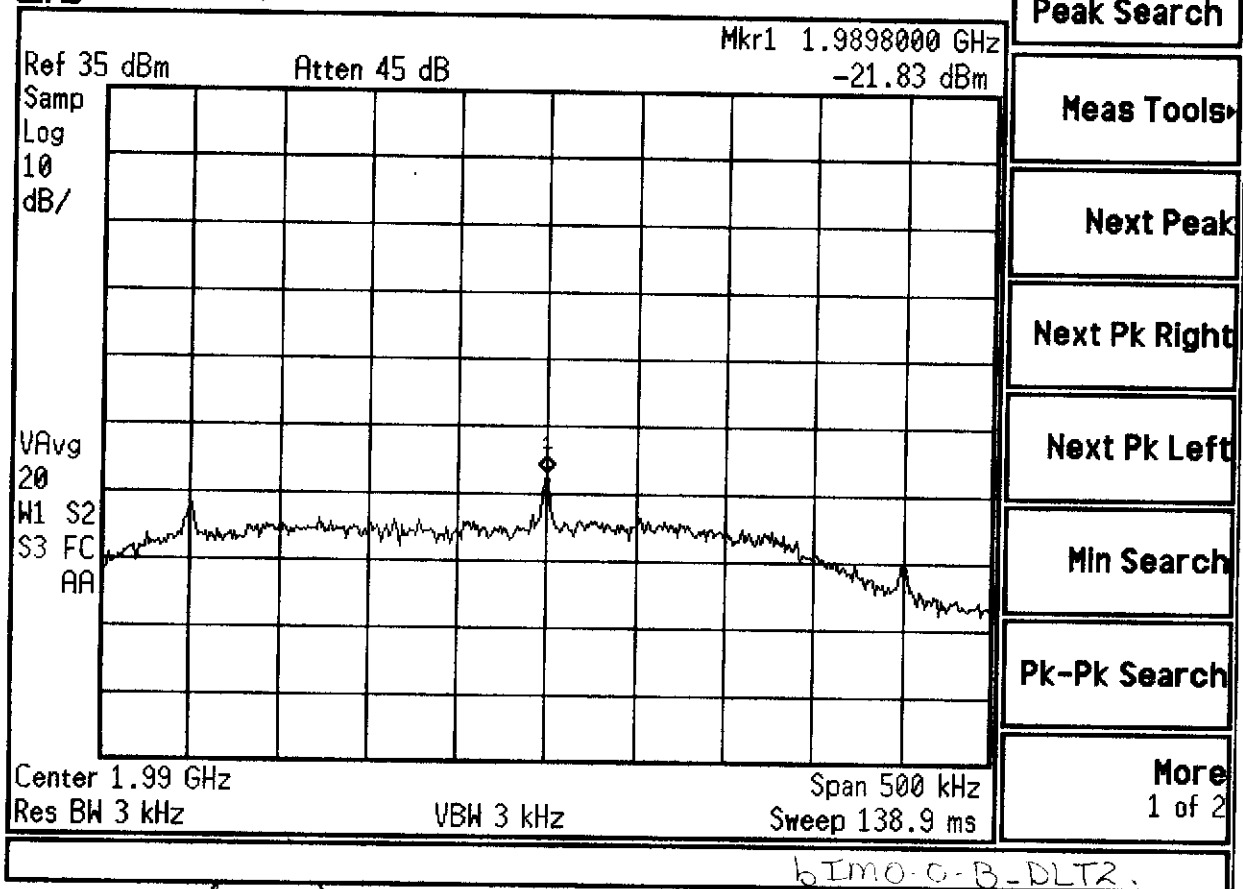
D/L, T @ MAX GAIN

PREF

F_{IN} : 1989.2 MHz

P_{IN} : -22 dBm

hp 17:17:16 Apr 11, 2001



B SPICE (2000S)

OUT OF BAND IMD

1/2, TOP @ MAX GAIN

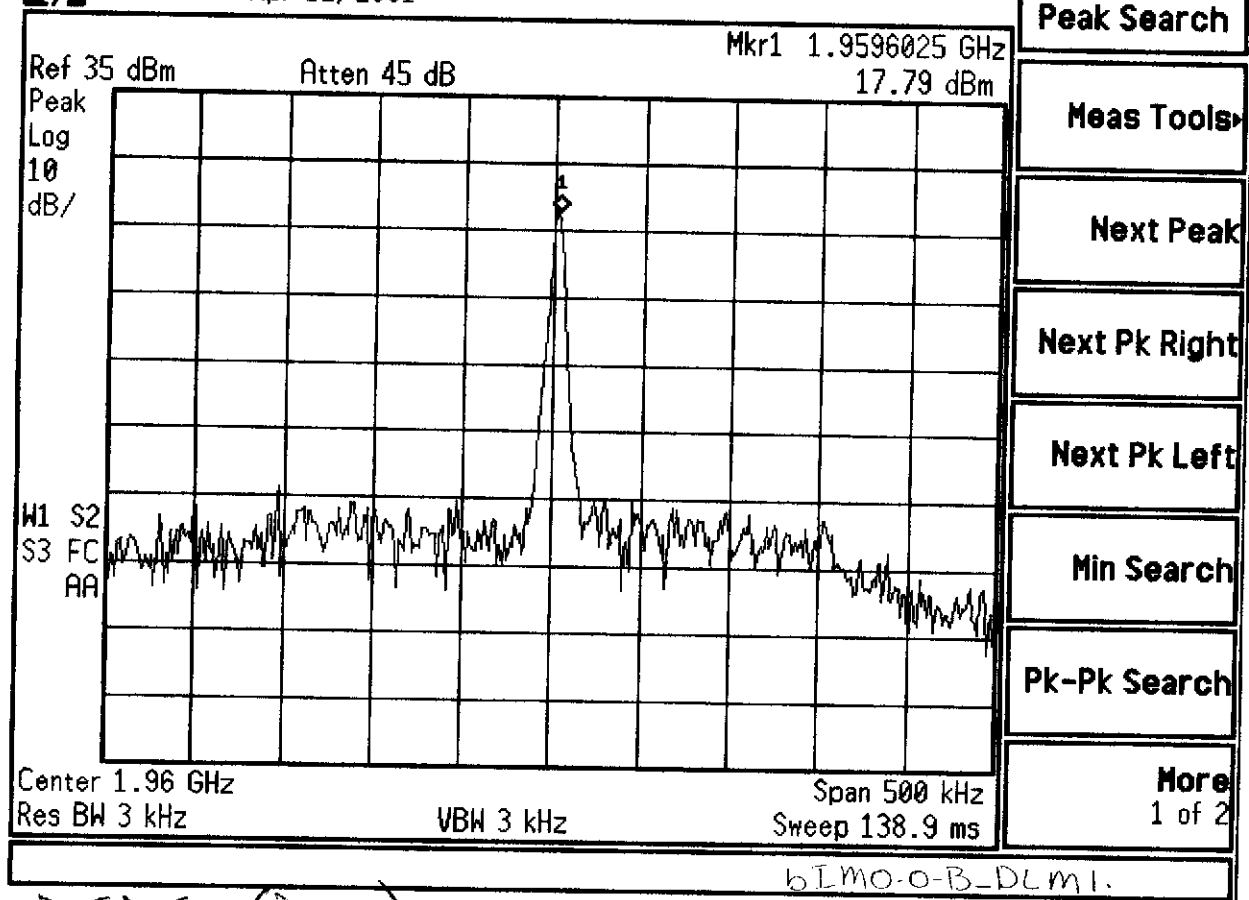
INTERFERER # 1

1990.2 MHz @ 18dBm,

" # 2

1991.2 MHz @ 18dBm.

~ -80dBc



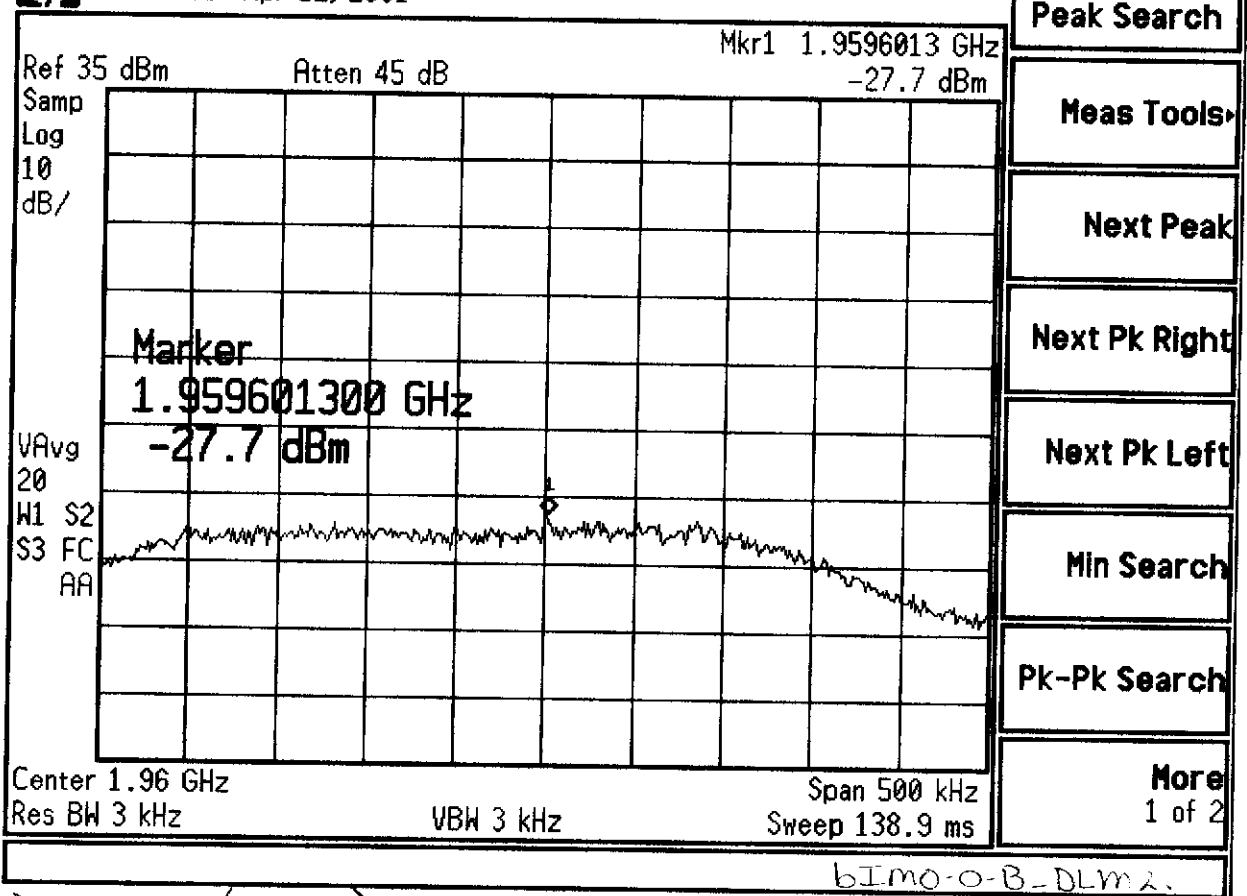
2 SPICE (2000S)

OUT OF BAND IMD

DL, M @ MAX GAIN

Pre F_{IN} : 1960.6 MHz
P_{IN} : -22 dBm

hp 08:50:03 Apr 12, 2001



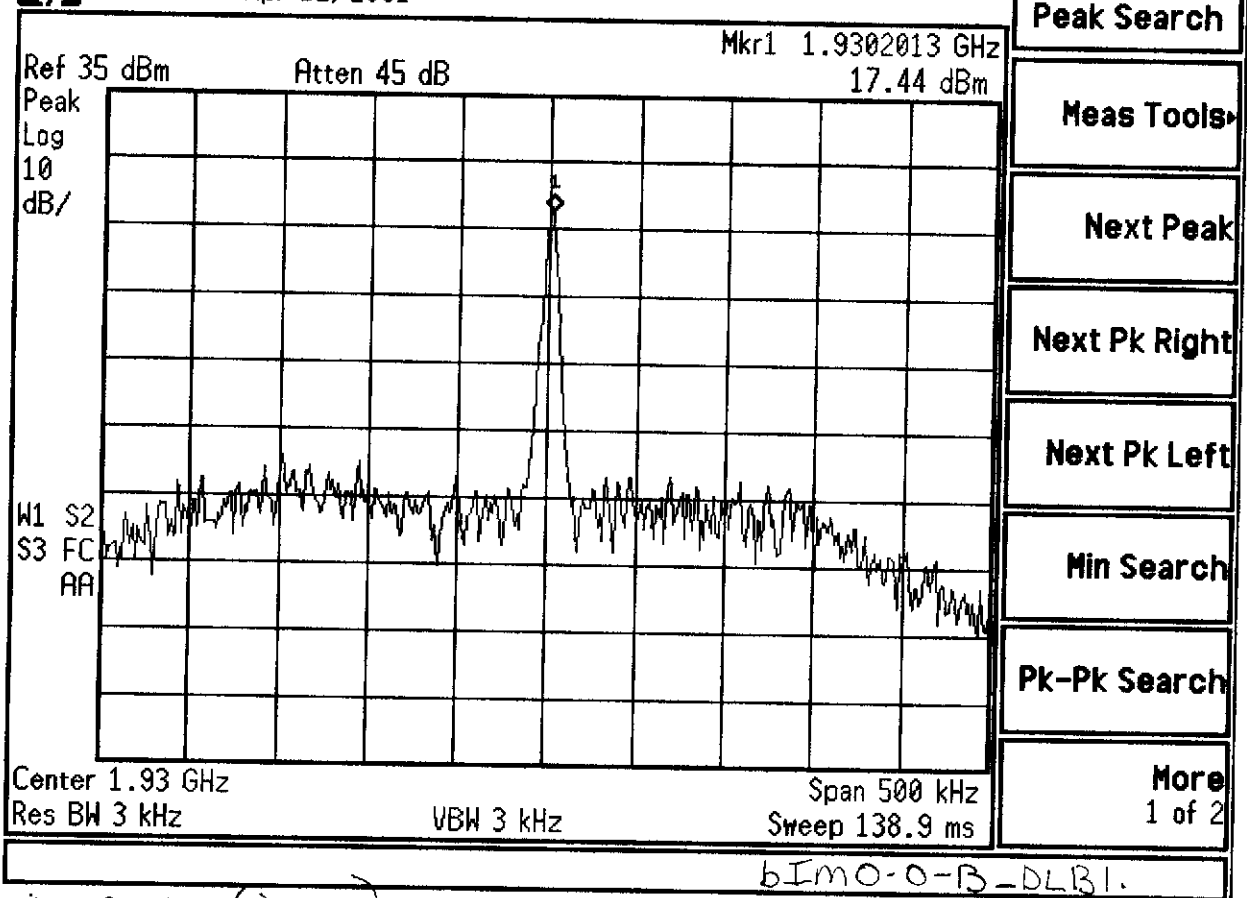
2 SPICE (3000S)

OUT OF BAND IMD

$\Delta/2$, M @ MAX GAIN

INTERCARRIER #1 1961.6 MHz @ 18 dBm
" #2 1962.6 MHz @ 18 dBm

$\sim -86 \text{ dBc}$



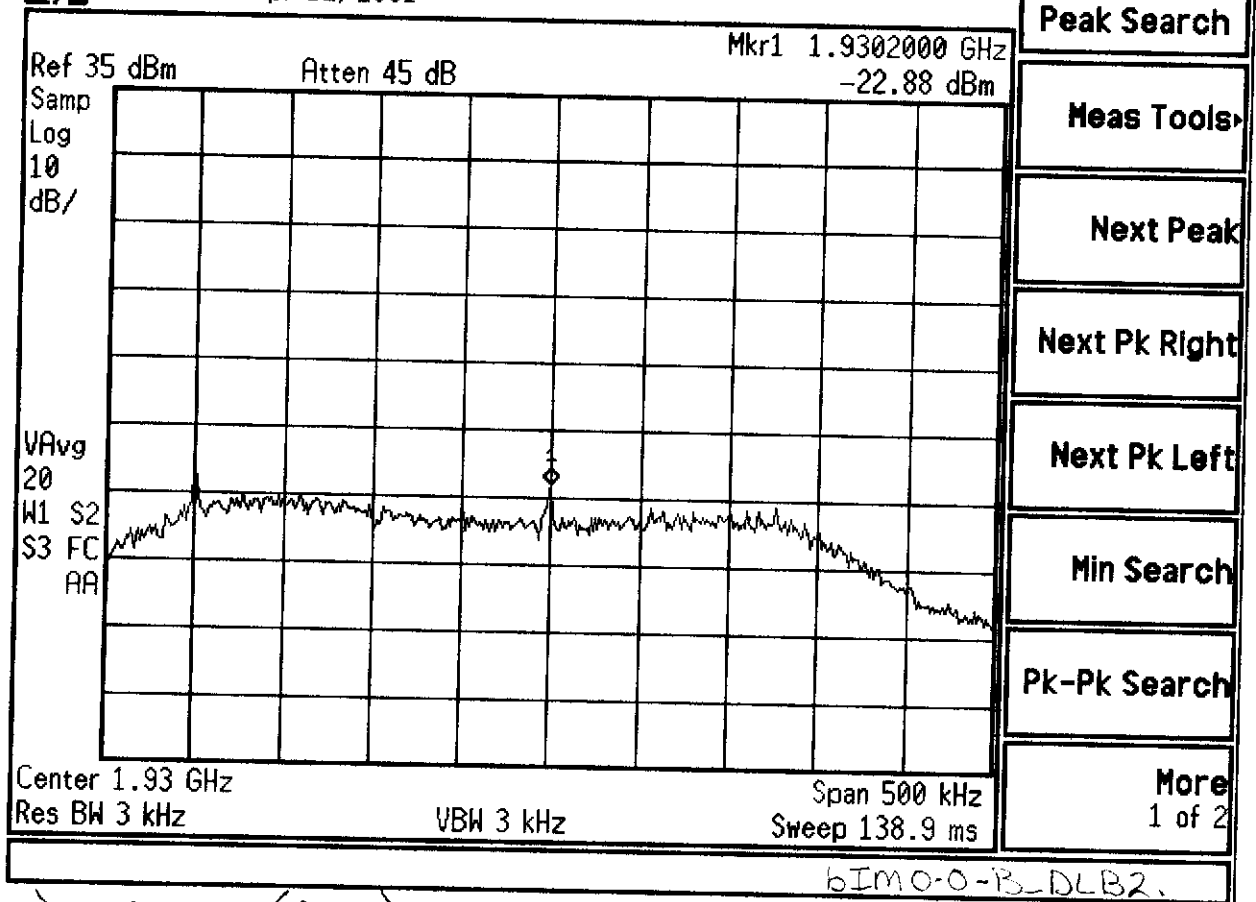
2 SPICE (2000S)

OUT OF BAND IMD

D/L, 2 @ MAX GAIN

Prefer $F_{IN} : 1930.8 \text{ @ } -$

$P_{IN} : -17 \text{ dBm}$



B Spike (2000s)

OUT OF BAND IMD

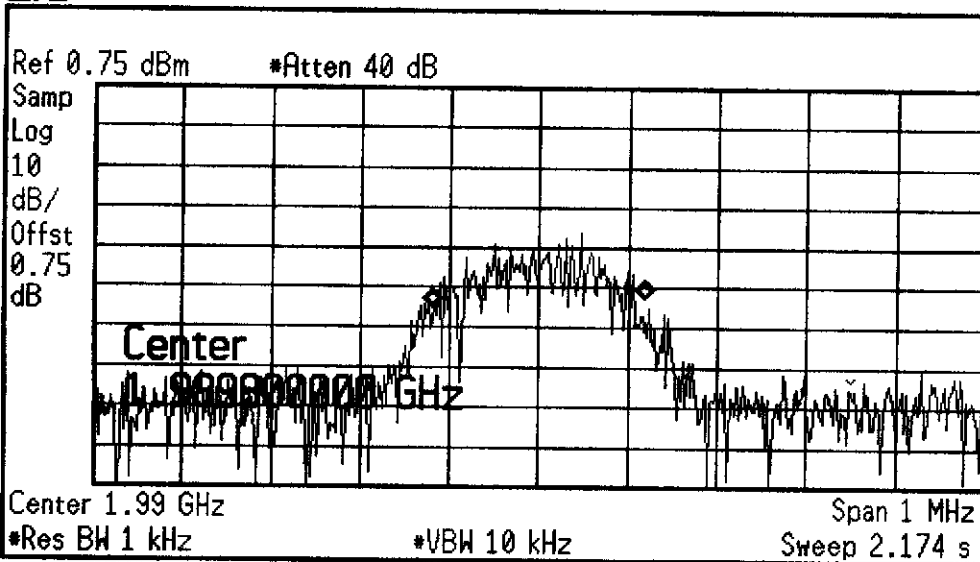
Δ/L , B @ MAX GAIN

INTERFERER #1	1931.8 MHz	@ 20dBm
" #2	1932.8 MHz	@ 20dBm

~ -67dBc

Occupied Bandwidth BSPICE

14:12:30 Apr 11, 2001



Occupied Bandwidth Results (measuring...)

Occupied Bandwidth
237.9 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error -854.2 Hz

Freq/Channel

Center Freq
1.98980000 GHz

Start Freq
1.98930000 GHz

Stop Freq
1.99030000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

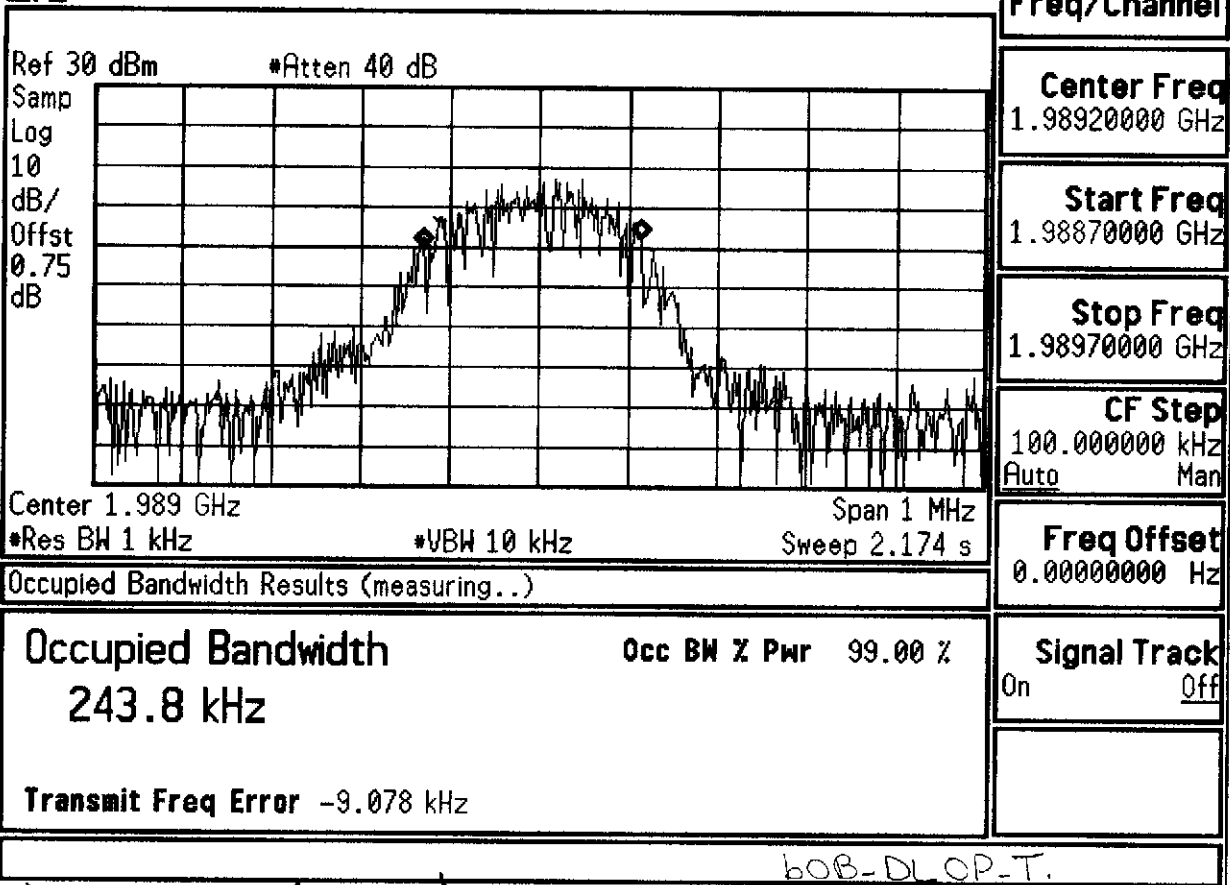
BOB-DLIP-T.

BSPICE (8000S)

GSM INPUT @ S/L, T.

PIN: -20 dBm

hp 14:27:13 Apr 11, 2001

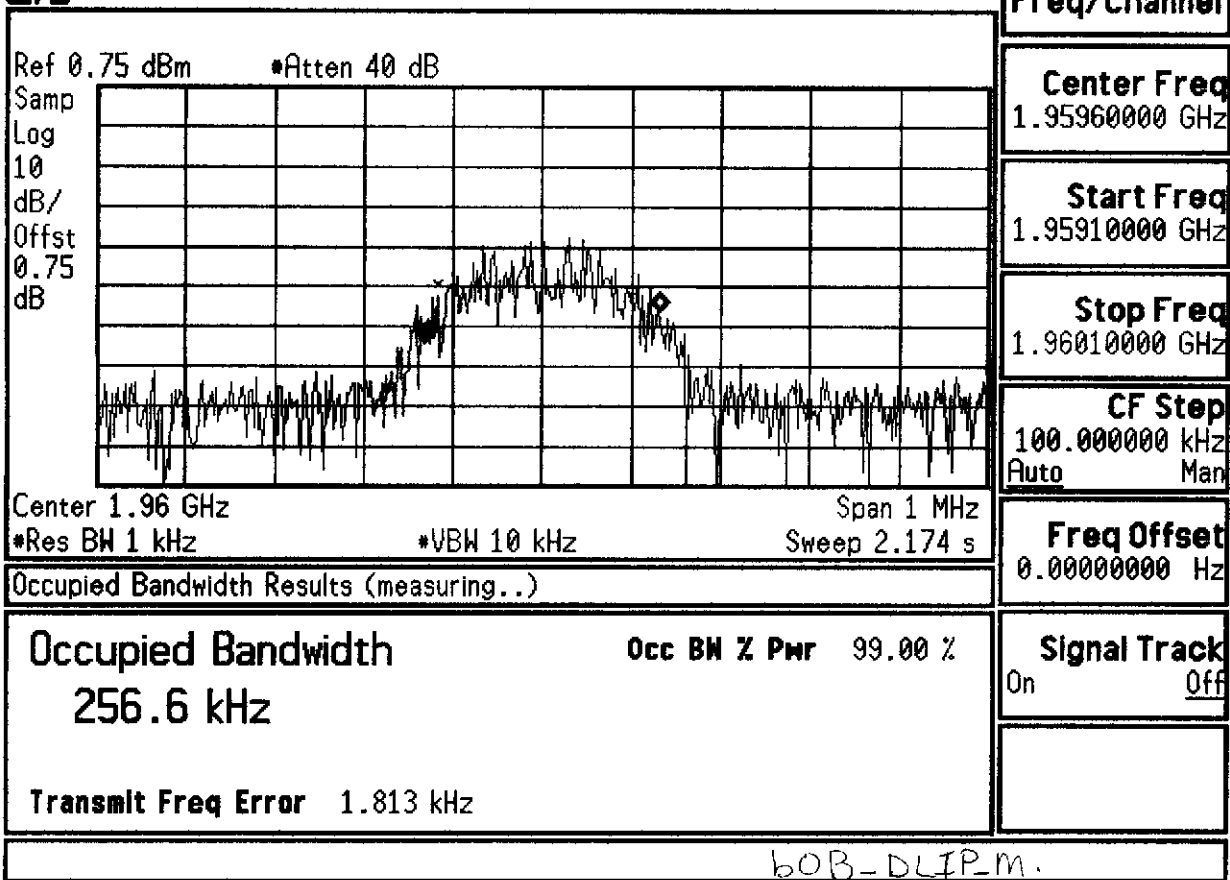


B SPICE (BOOOS)

GSM OUTPUT @ A/L, T

PIN: -20dBm

hp 14:10:15 Apr 11, 2001

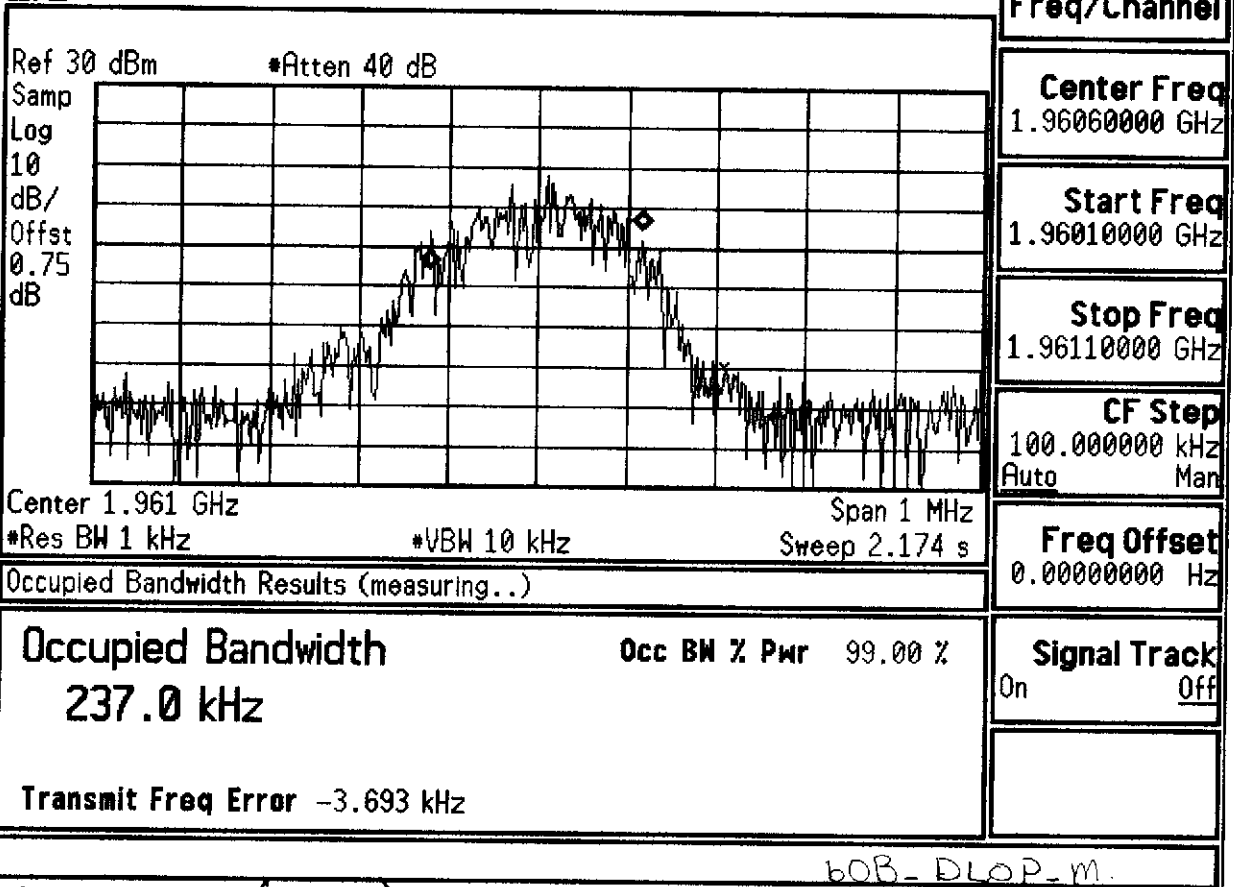


B SPICE (2000S)

GSM INPUT @ A/L, M.

P_{IN} @ -20dBm

hp 14:25:39 Apr 11, 2001

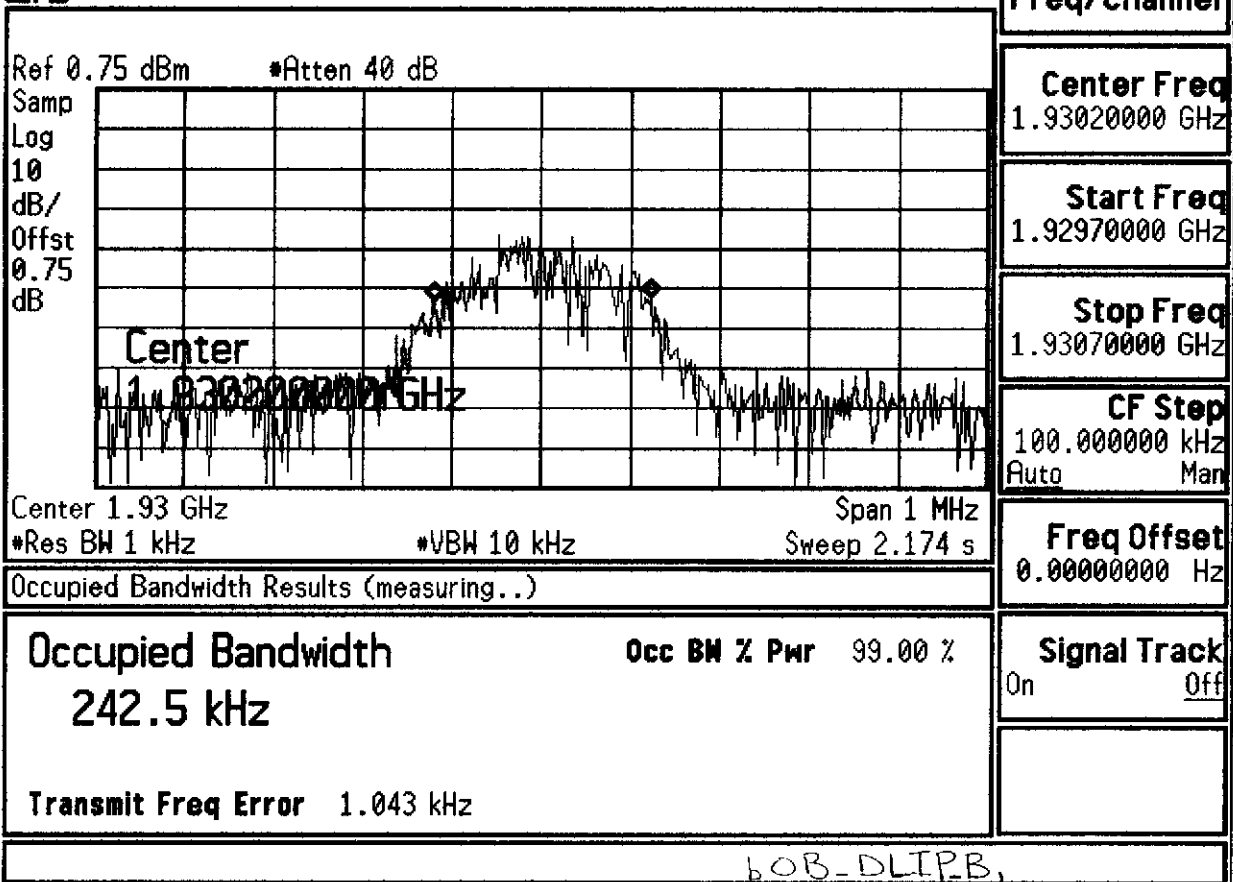


BSPICE (E0005)

6SM OUTPUT @ D/L M.

PIN : -20dBm

hp 14:07:26 Apr 11, 2001

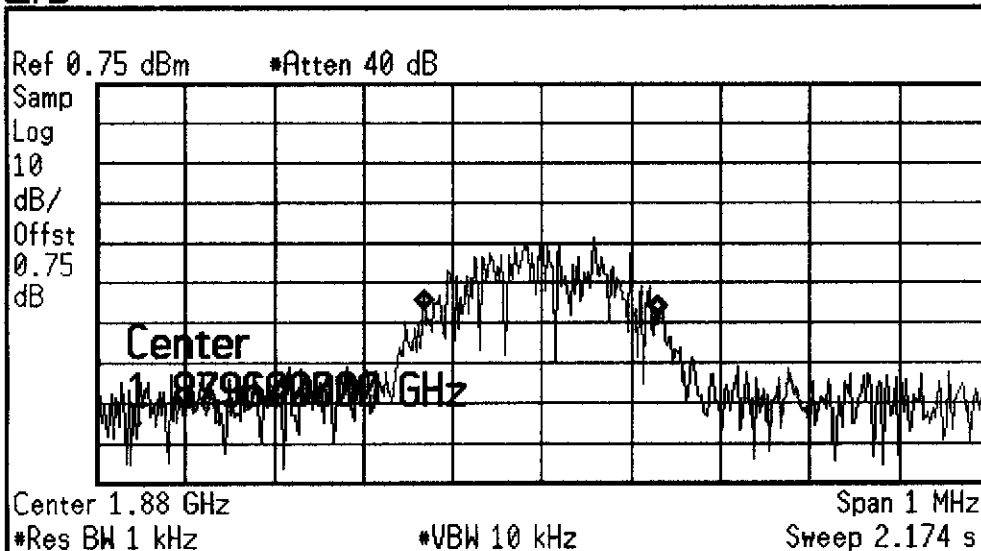


2 SPICE (8000S)

GSM INTF @ D/L, B.

$P_{IN} = -20 \text{ dBm}$

hp 14:05:05 Apr 11, 2001



Freq/Channel

Center Freq
1.87960000 GHz

Start Freq
1.87910000 GHz

Stop Freq
1.88010000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Occupied Bandwidth Results (measuring..)

Occupied Bandwidth
259.2 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error -1.779 kHz

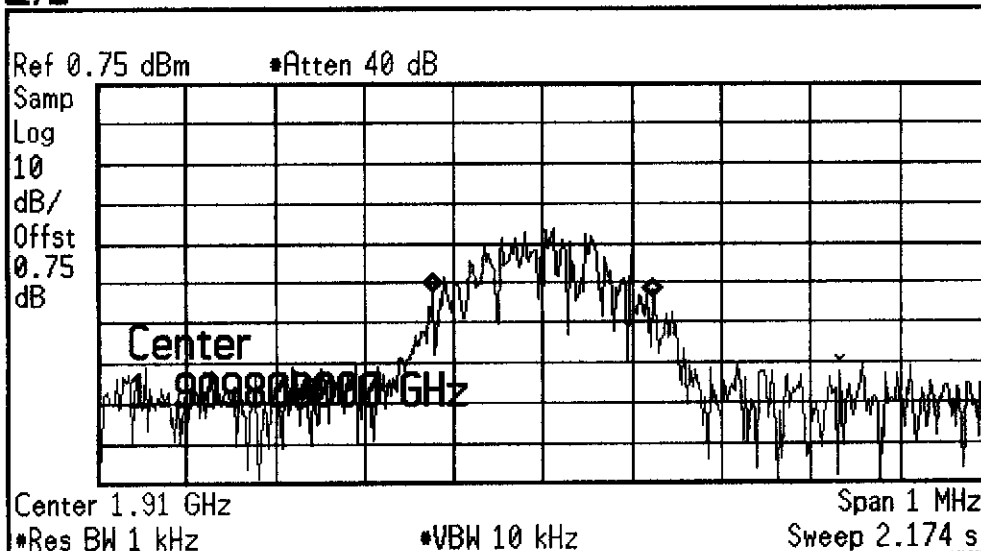
Signal Track
On Off

60B-UPLIP.T.

B SPICE (E0005)

GSM INPUT @ U/L, T

PIN : -20dBm



Freq/Channel
Center Freq 1.90980000 GHz
Start Freq 1.90930000 GHz
Stop Freq 1.91030000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz

Occupied Bandwidth Results (measuring...)	
Occupied Bandwidth 248.0 kHz	Occ BW % Pwr 99.00 %
Transmit Freq Error -1.162 kHz	

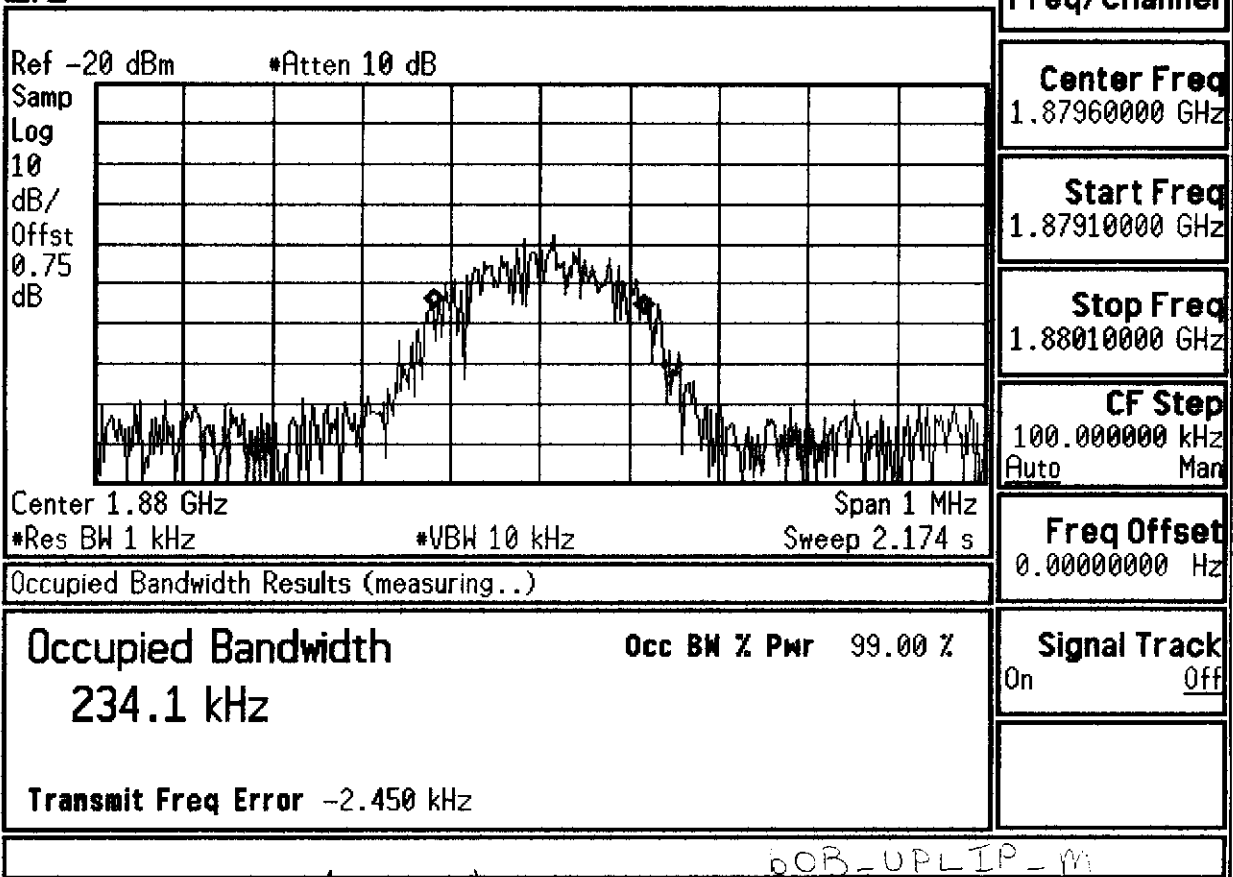
Signal Track On Off

608-0PLCDET

BSPEC (B0005)
GSM OUTPUT @ U/L, T
PIN: -20dBm



14:47:42 Apr 11, 2001



B SPICE (2000S)

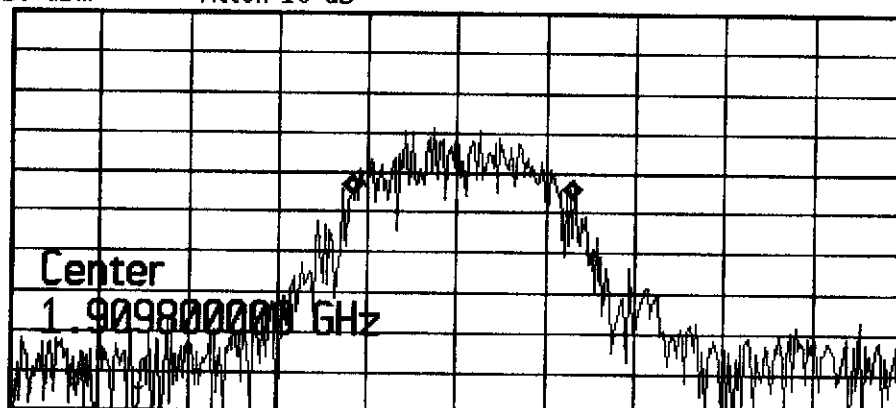
GSM Input @ U/L, M

PIN : 10 dBm

hp 14:49:42 Apr 11, 2001

Ref -20 dBm *Atten 10 dB

Samp
Log
10
dB/
Offst
0.75
dB



Center 1.91 GHz

*Res BW 1 kHz

*VBW 10 kHz

Span 1 MHz

Sweep 2.174 s

Occupied Bandwidth Results (measuring..)

Occupied Bandwidth

244.8 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 5.578 kHz

Freq/Channel

Center Freq
1.90980000 GHz

Start Freq
1.90930000 GHz

Stop Freq
1.91030000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

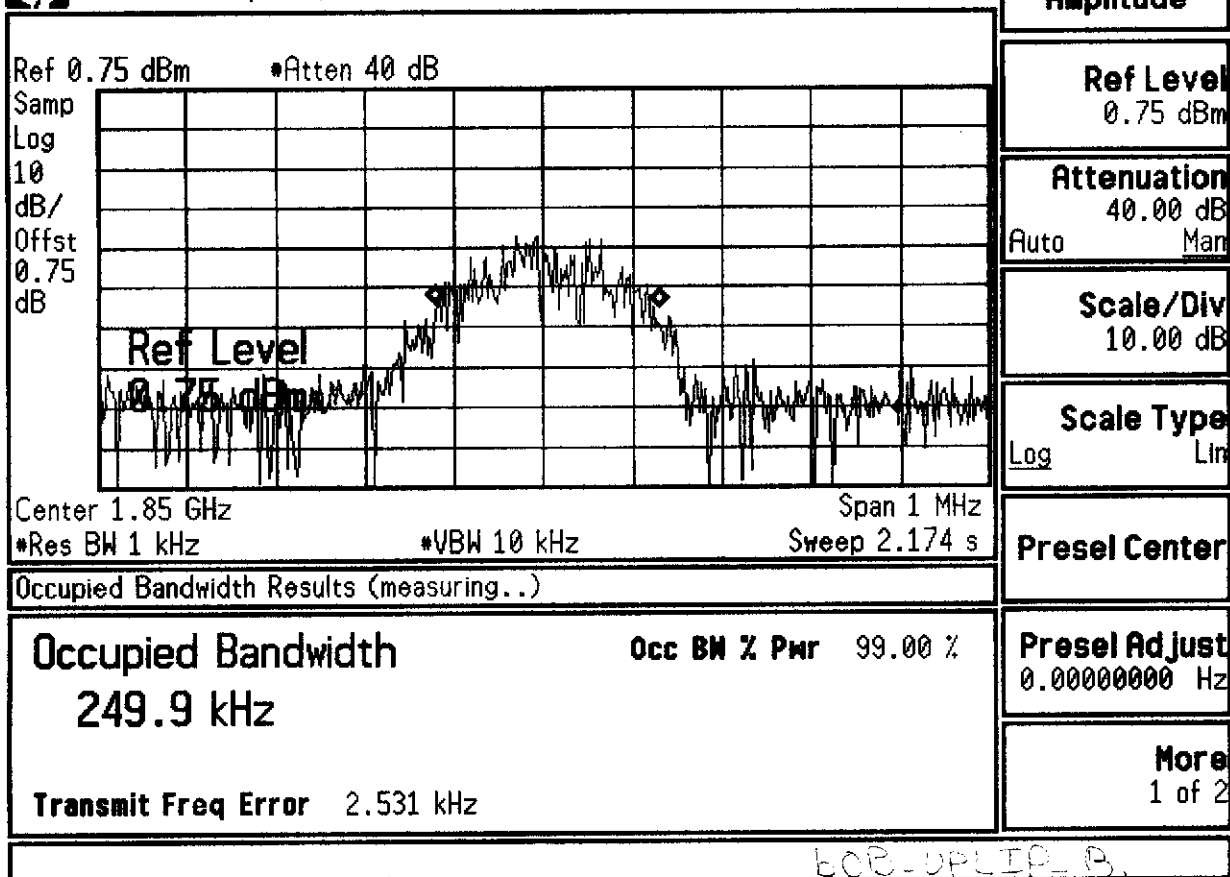
BOB-UPLOADER

B SPICE (2000S)

GSM OUTPUT @ U/L, m

PIN : 10dBm

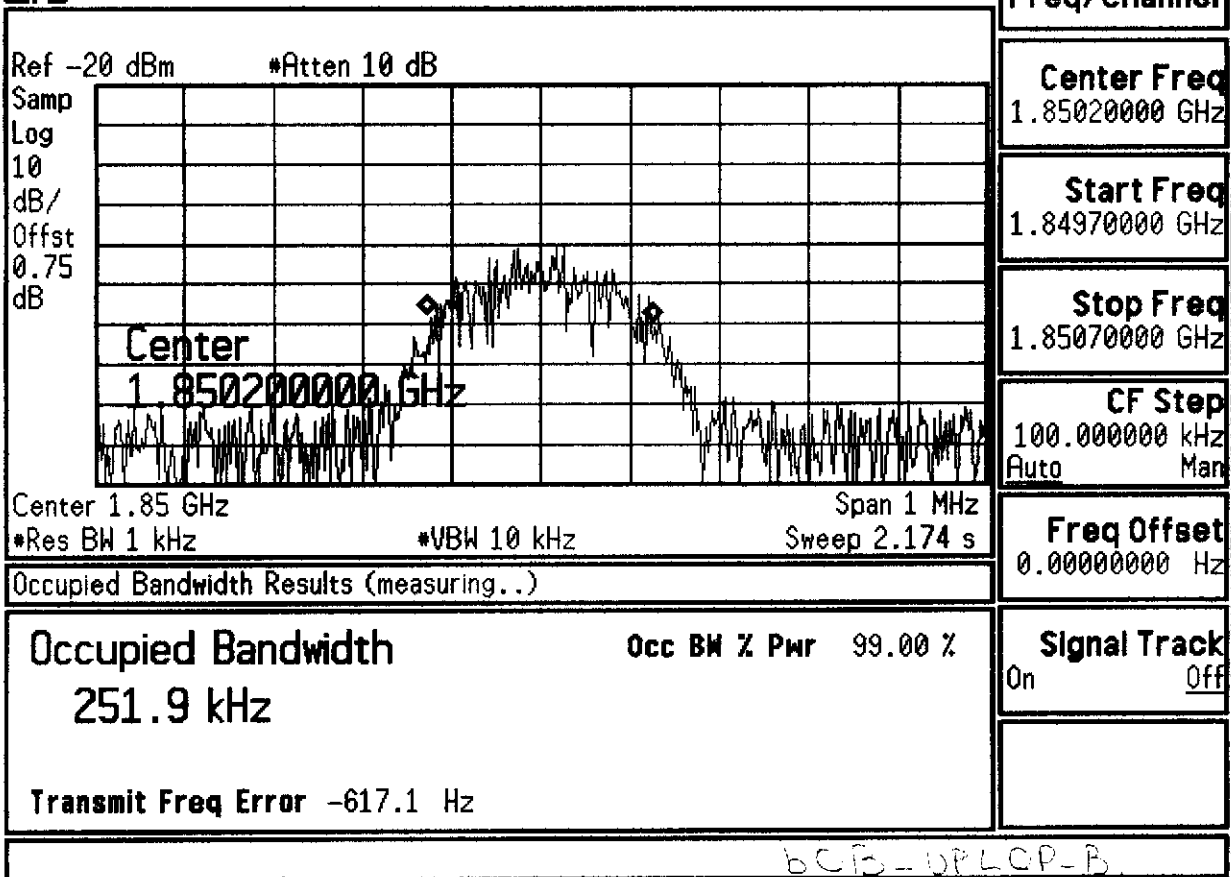
hp 14:00:41 Apr 11, 2001



BSPICE (2000S)

GSM INPUT @ U/L, E.

P_{IN}: -20dBm



2 SPICE (2000S)

GSM OUTPUT @ U/L, BOTTOM.

P_{IN} : 10 dBm