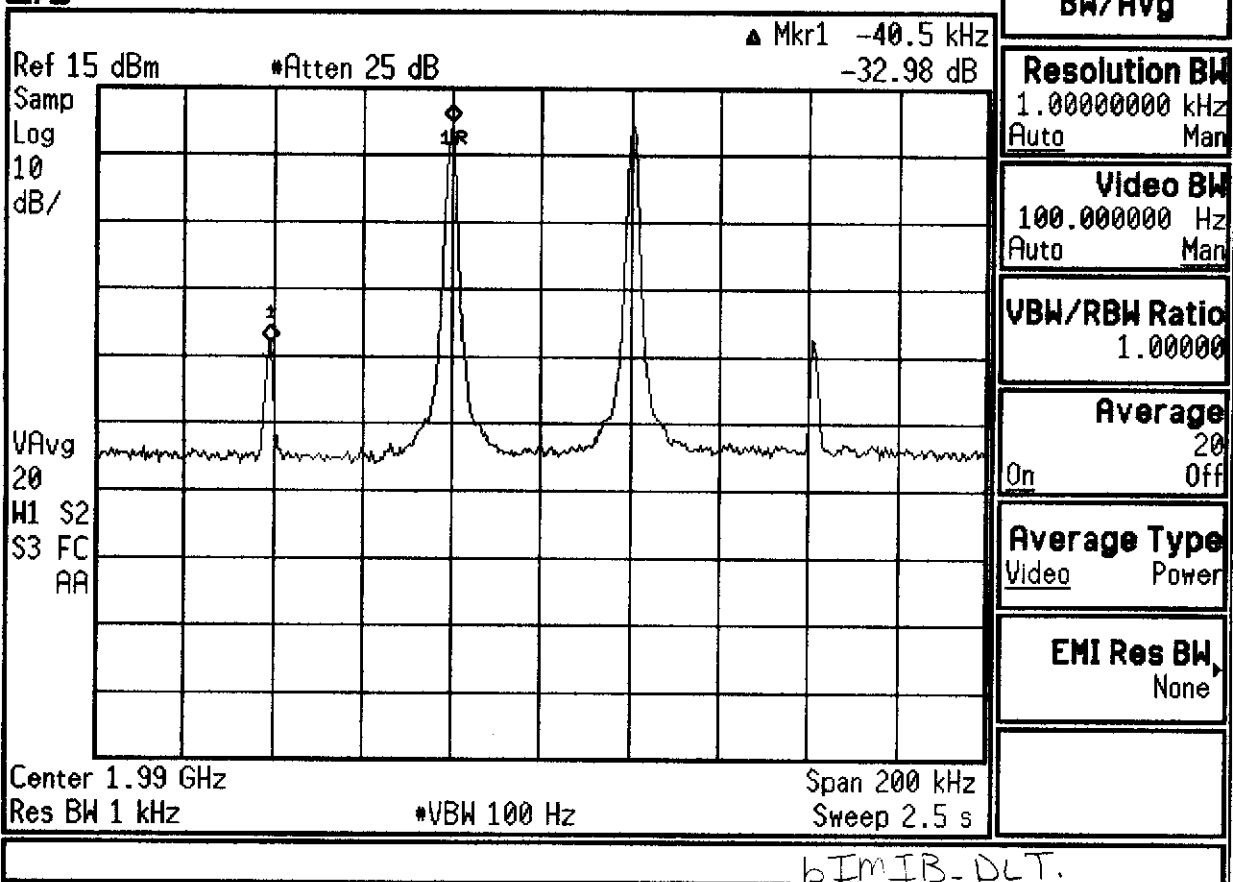


hp 16:45:45 Apr 11, 2001



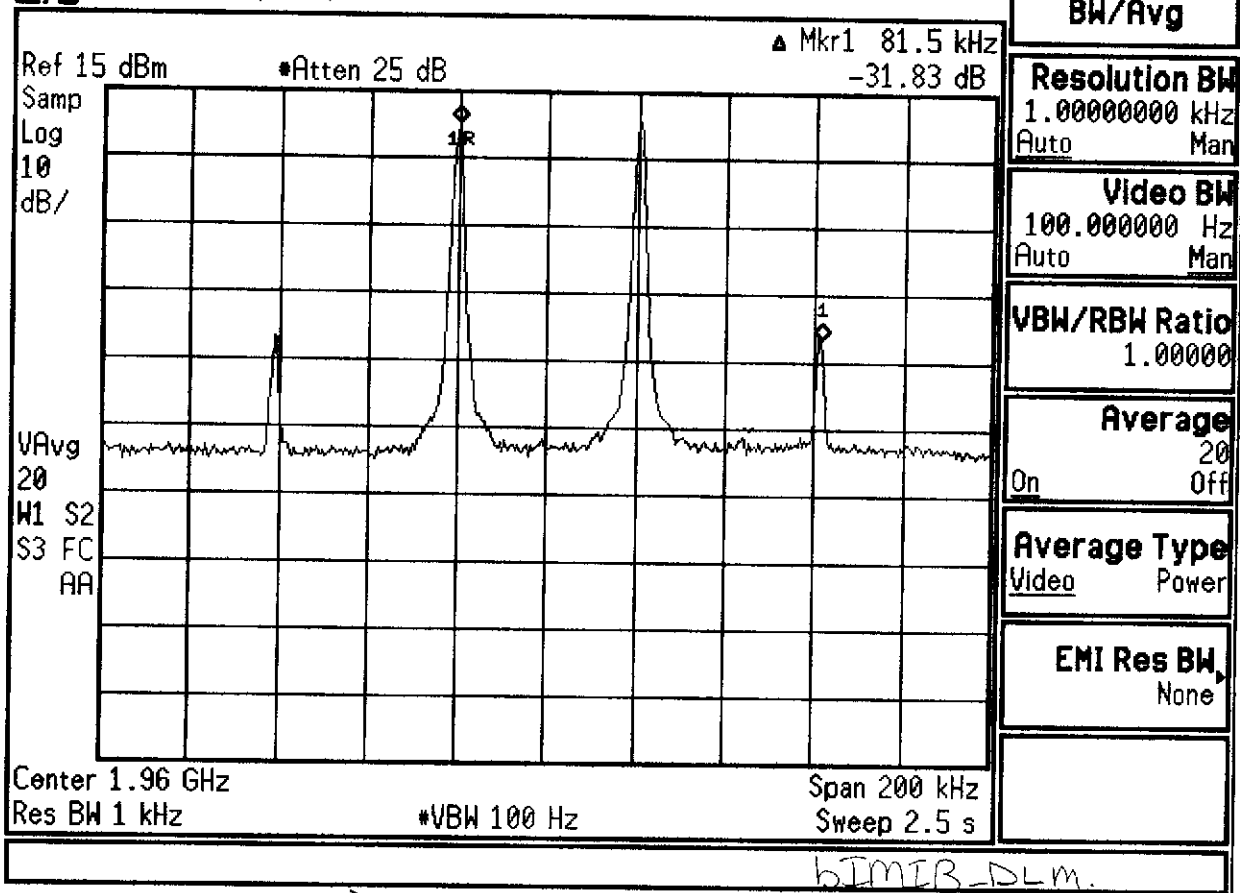
B SPICE (BOOOS)

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



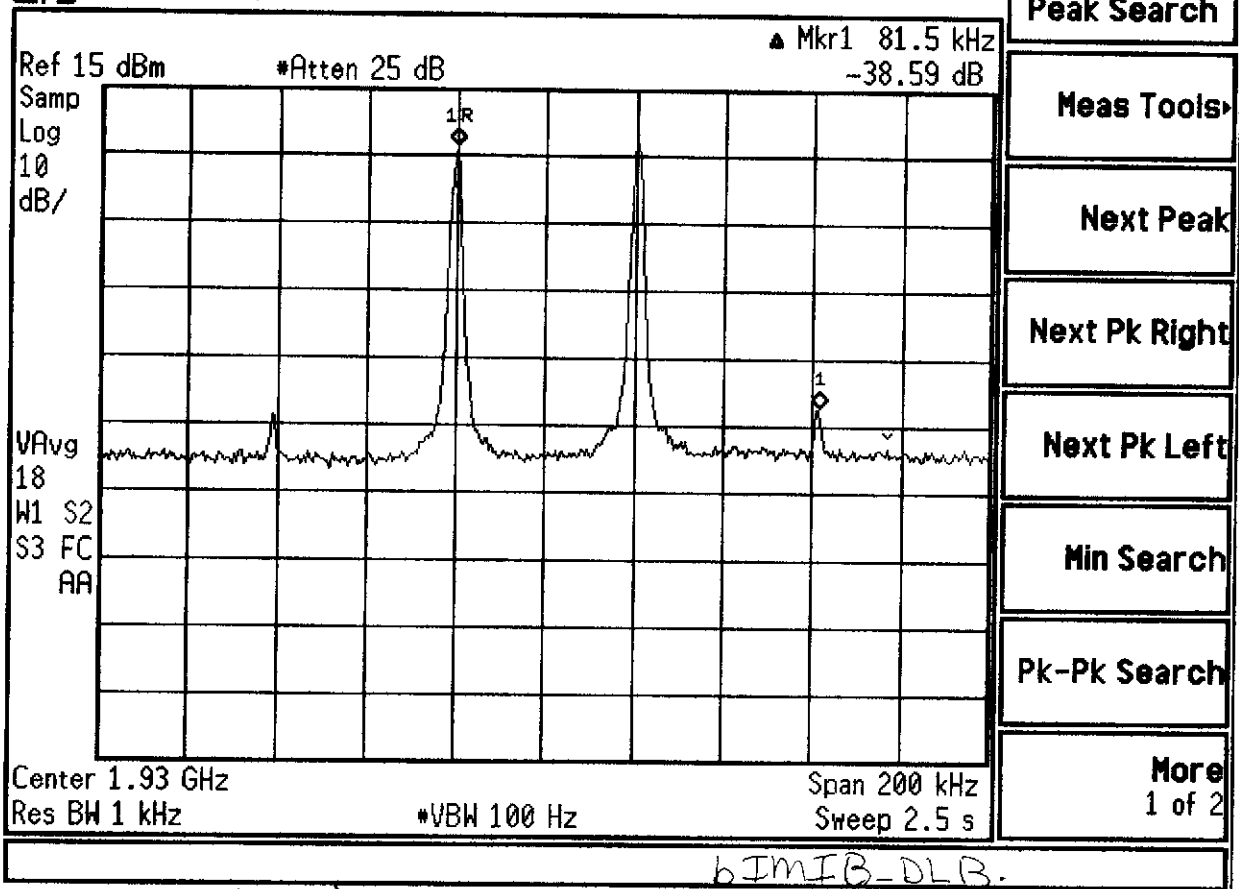
BSPICE (20005)

IN BAND IMD

$\Delta L, M$ @ MAX GAIN

INTERFERER #1 1960.58 MHz @ -28 dBm

" #2 1960.68 MHz @ -28 dBm



Peak Search

Meas Tools

Next Peak

Next Pk Right

Next Pk Left

Min Search

Pk-Pk Search

More
1 of 2

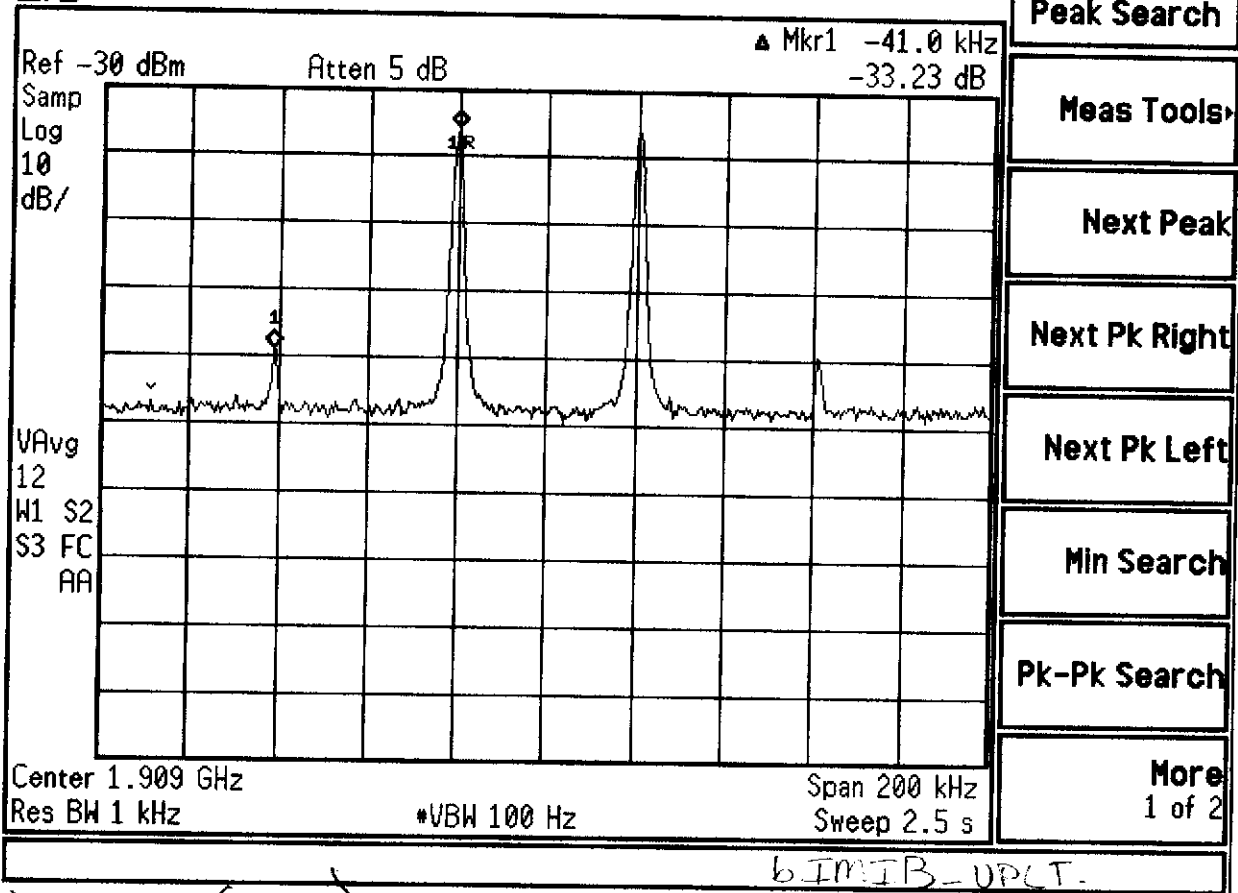
B SPICE (2000S)

1/1 BAND IMA

D/L, B @ MAX GAIN

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

hp 16:18:18 Apr 11, 2001

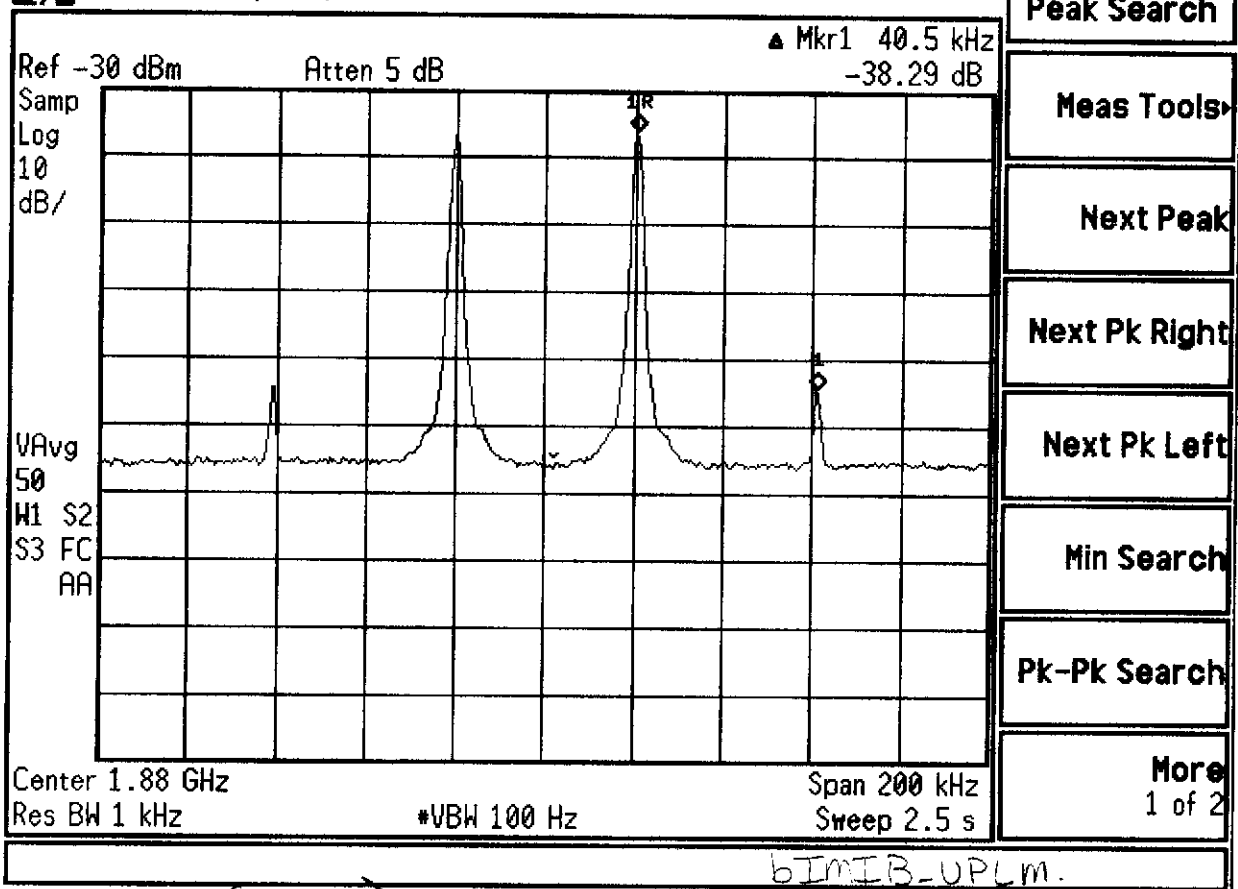


8 SP1LE (2000S)

IN BAND IMD

V/L, T @ MAX GAIN

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

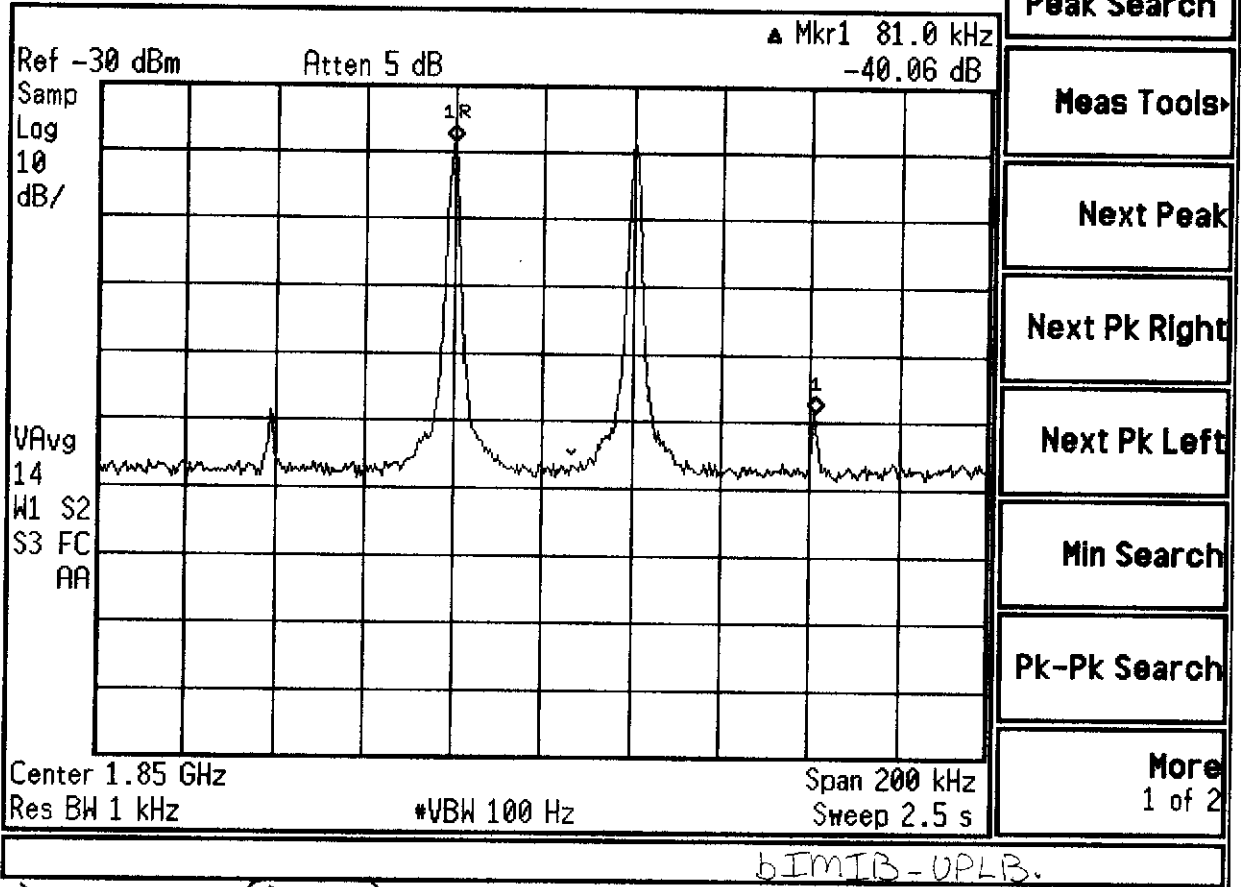


BSPICE (2000 S)

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

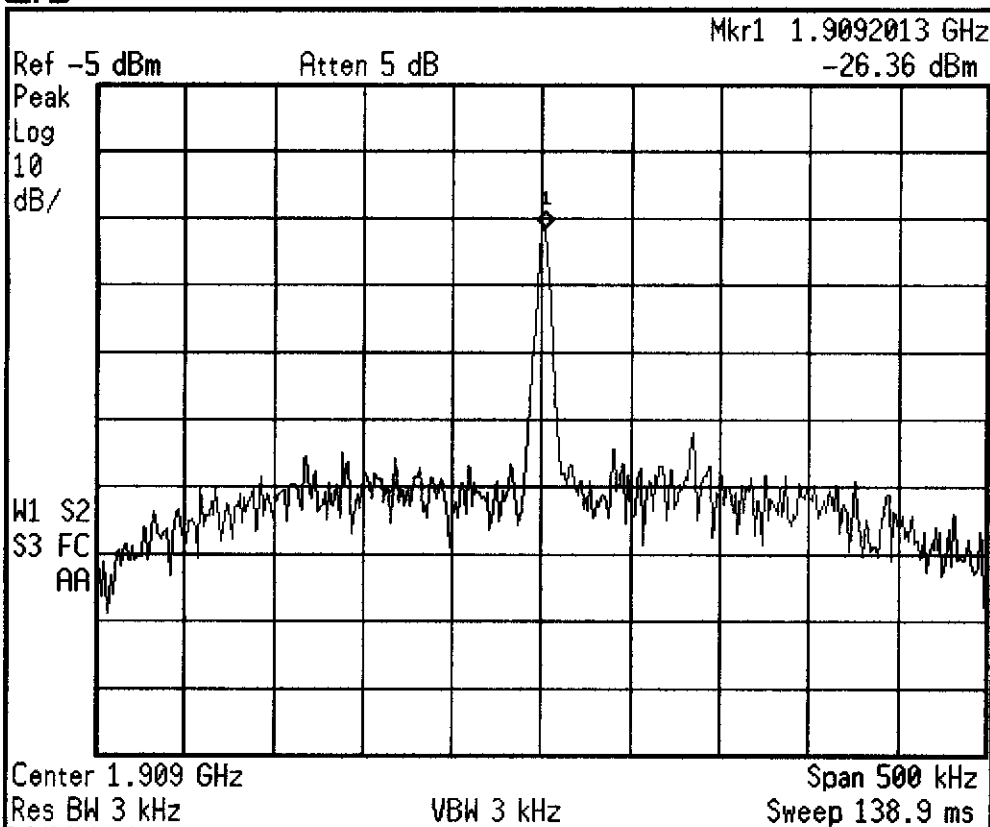
U/L, B @ MAX GAIN

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.

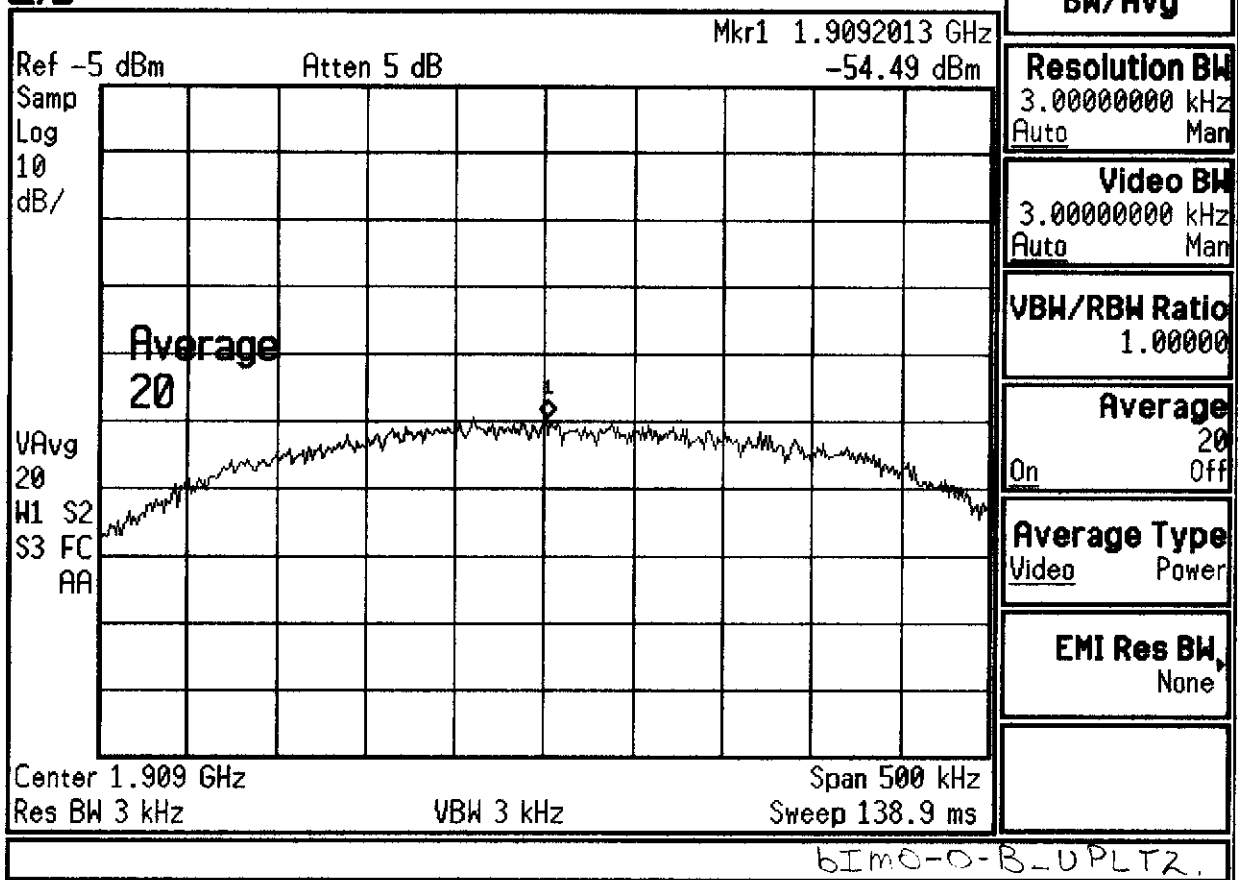
E SPICE (2000S)

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

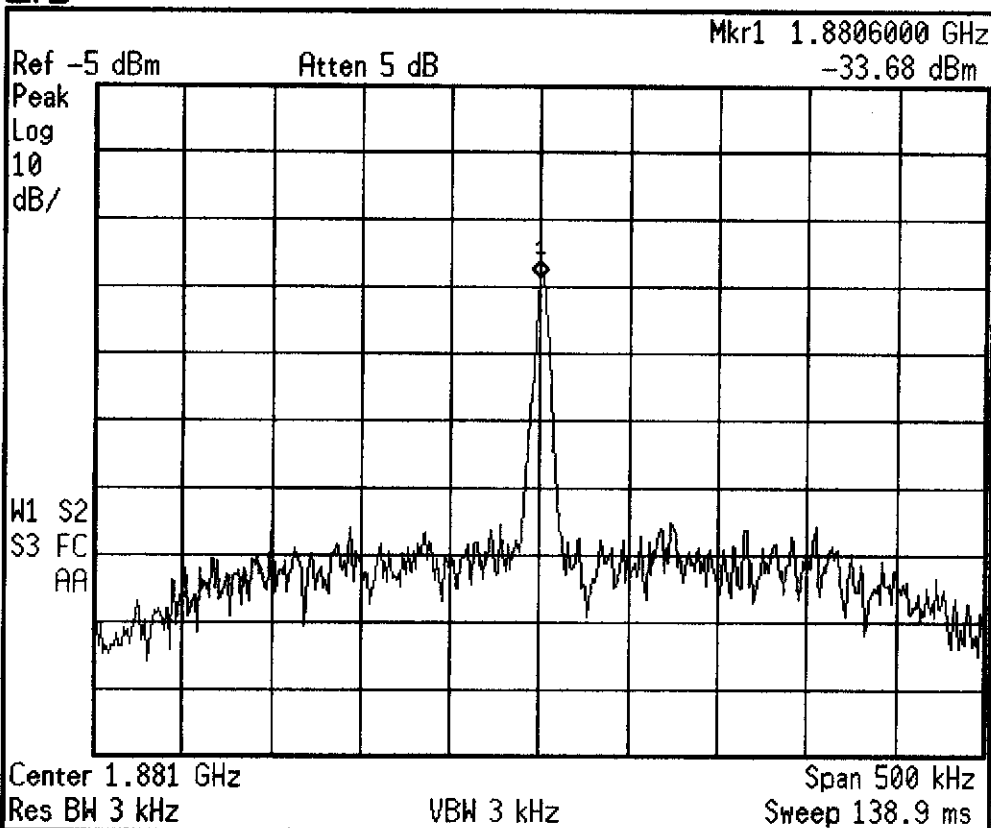
U/L, T @ MAX GAIN

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

bIMO-O-B-UPLMI.

B SPICE (BOOCS)

OUT OF BAND TMS

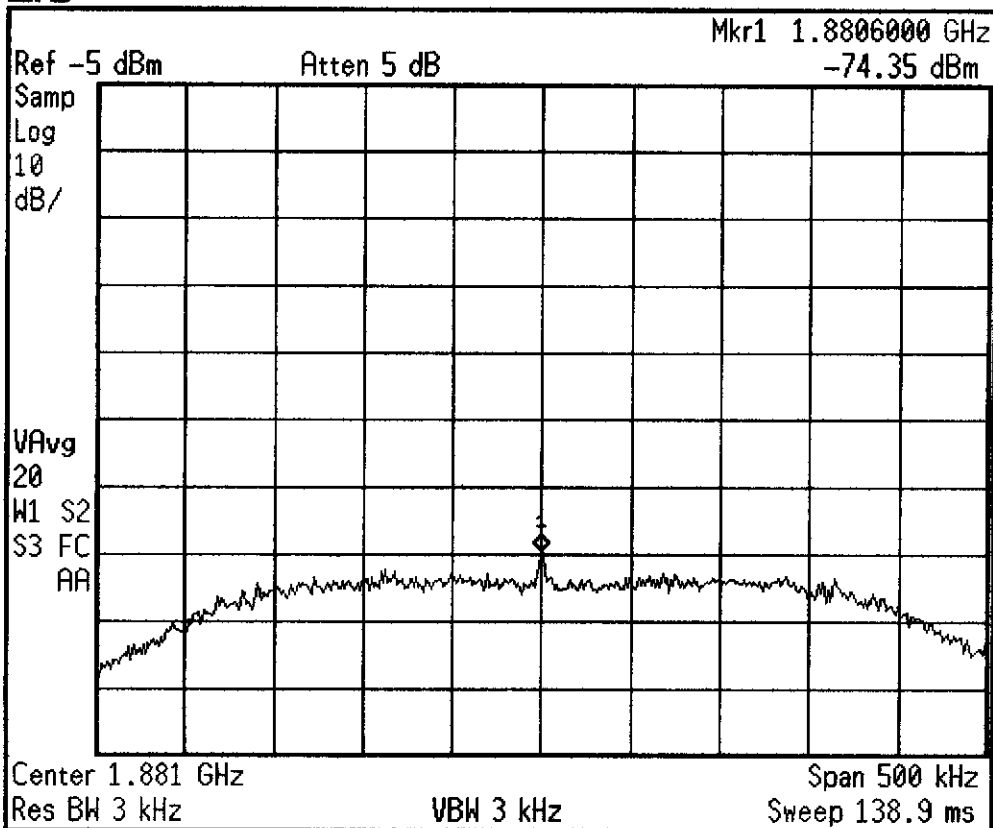
U/L, M @ MAX GAIN

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)

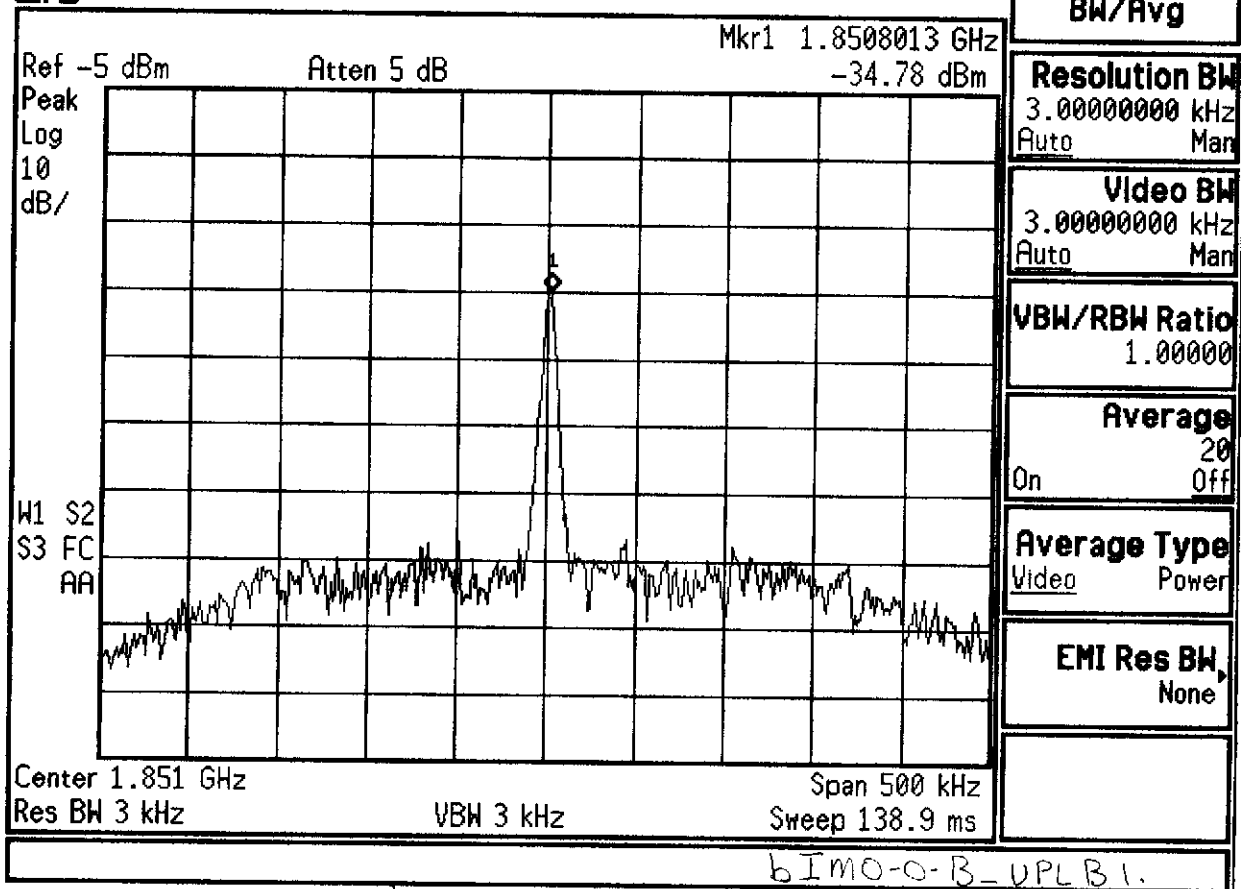
OUT OF BAND IMA

U/L, M @ MAX GAIN

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

~ 60dBc

hp 09:11:37 Apr 12, 2001



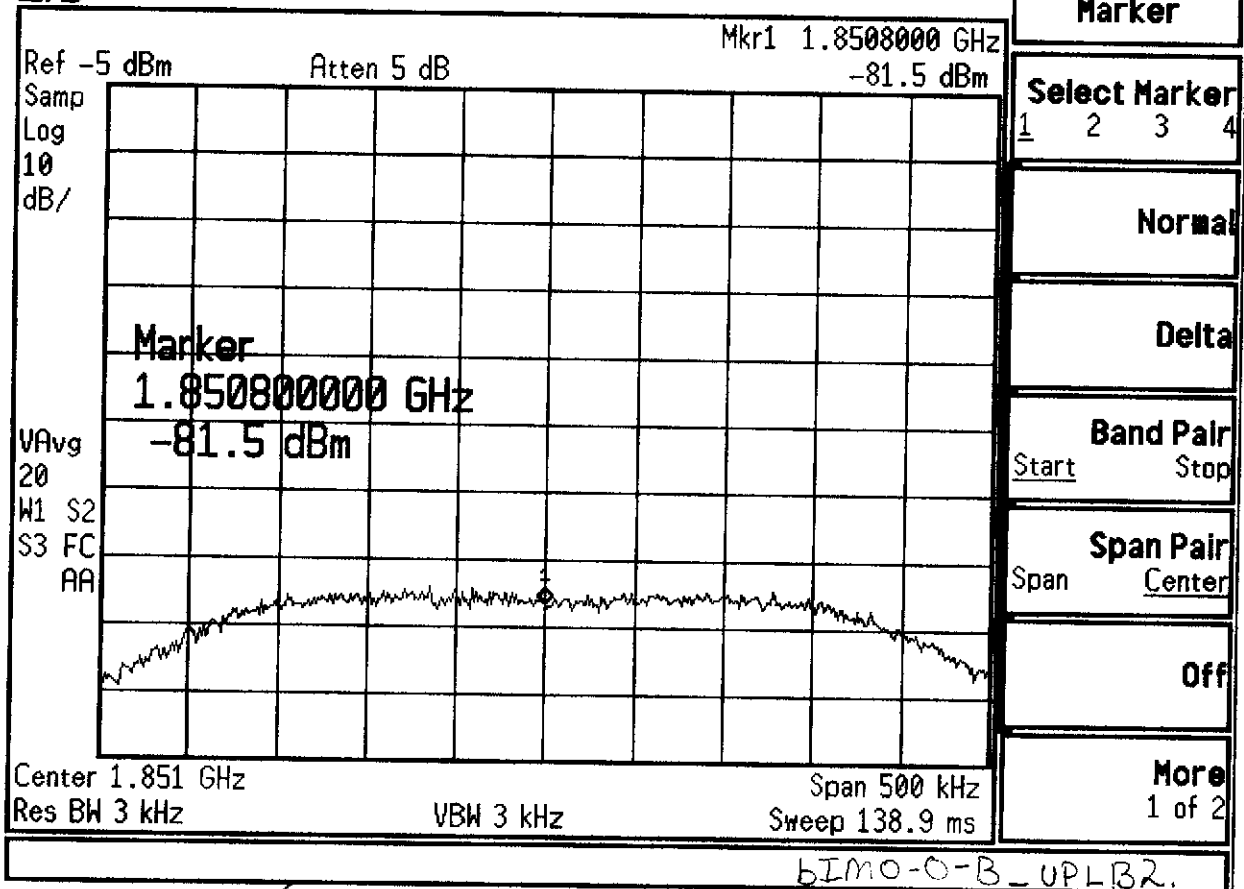
B SPICE (2000S)

OUT OF BAND IM

V/L, B @ MAX GAIN

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

hp 09:13:02 Apr 12, 2001



E SPICE (5000S)

OUT OF BAND IML

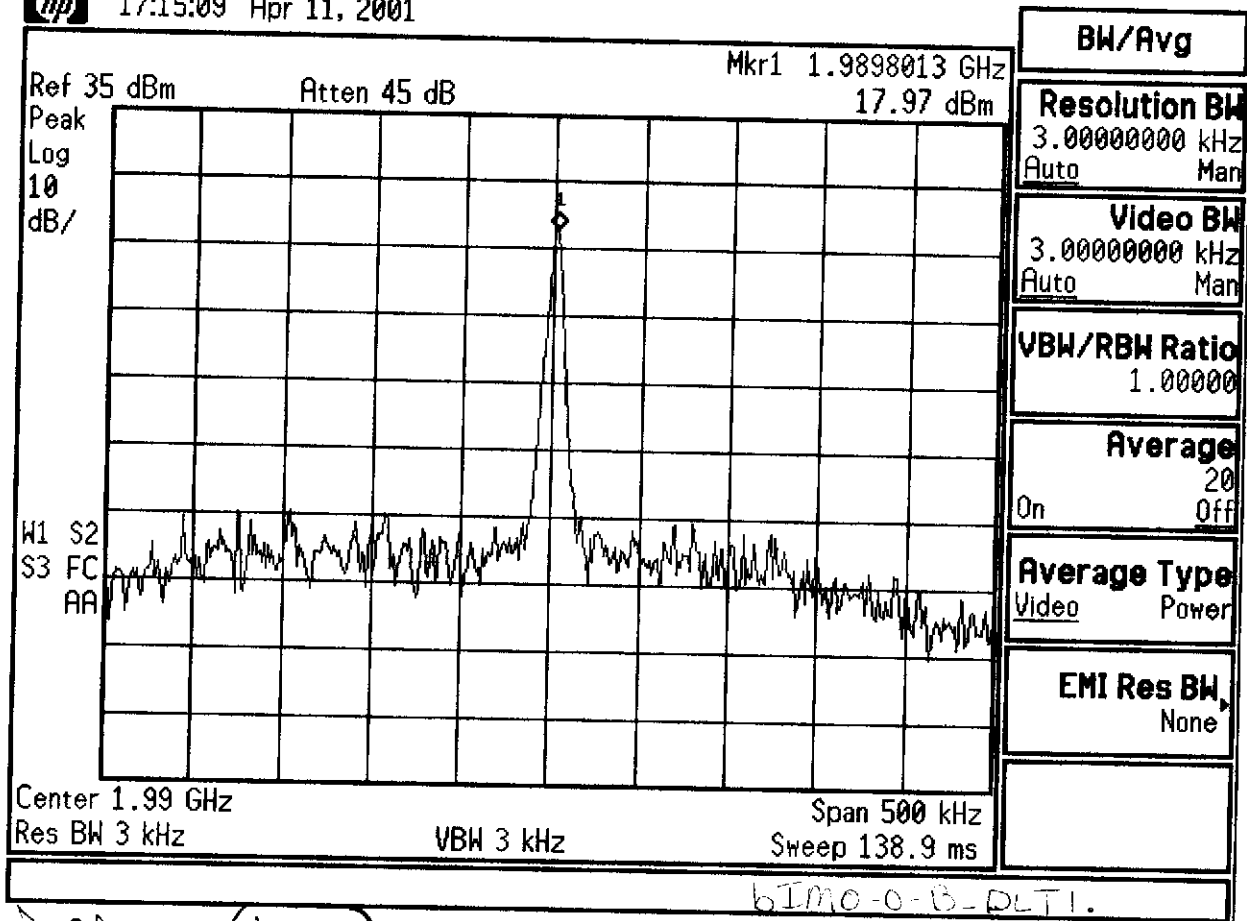
U/L, E @ MAX (A/N)

INTERFERER # 1 1851.2 MHz @ 17dBm

2 1852.2 MHz @ 17dBm

~ 68dBc

hp 17:15:09 Apr 11, 2001



B SPICE (3000S)

OUT OF BAND IMD

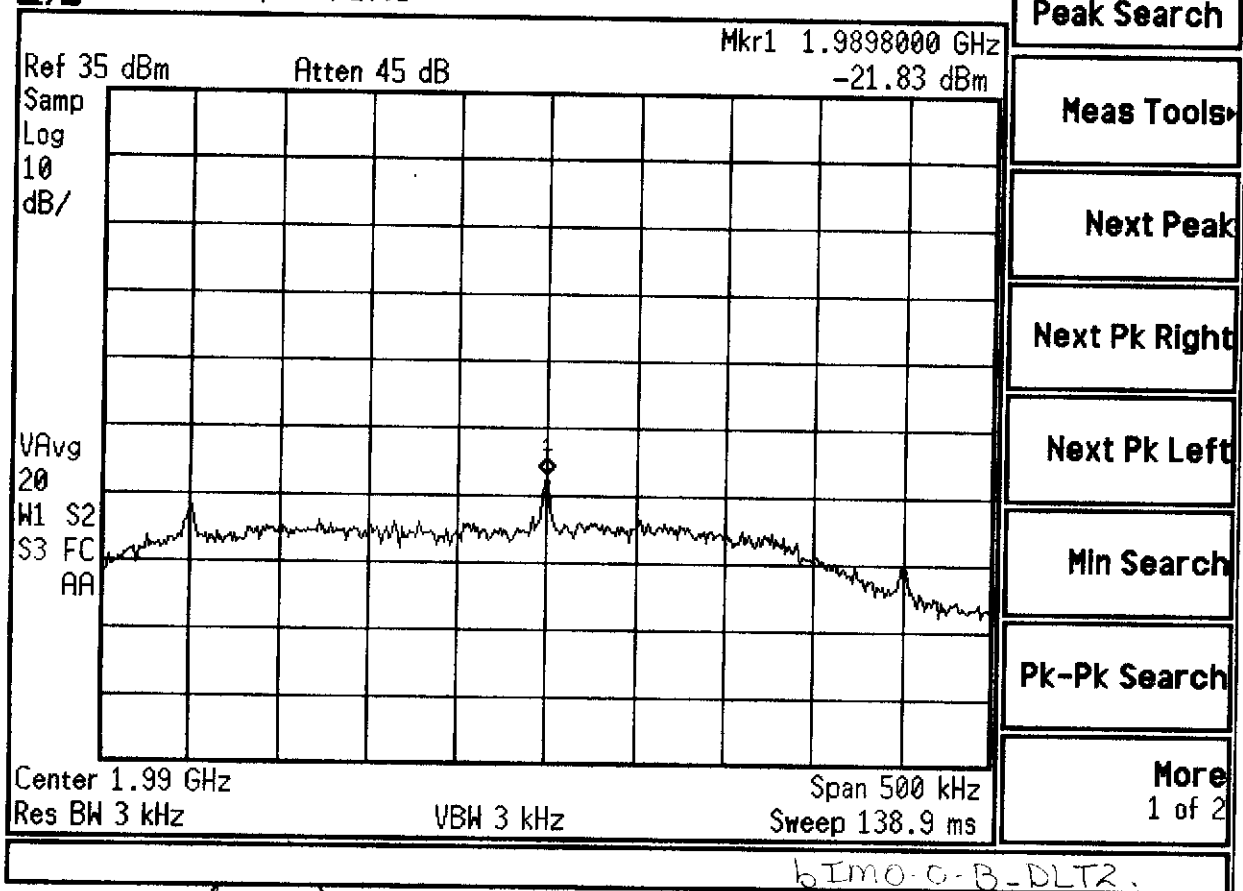
D/L, T @ MAX GAIN

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

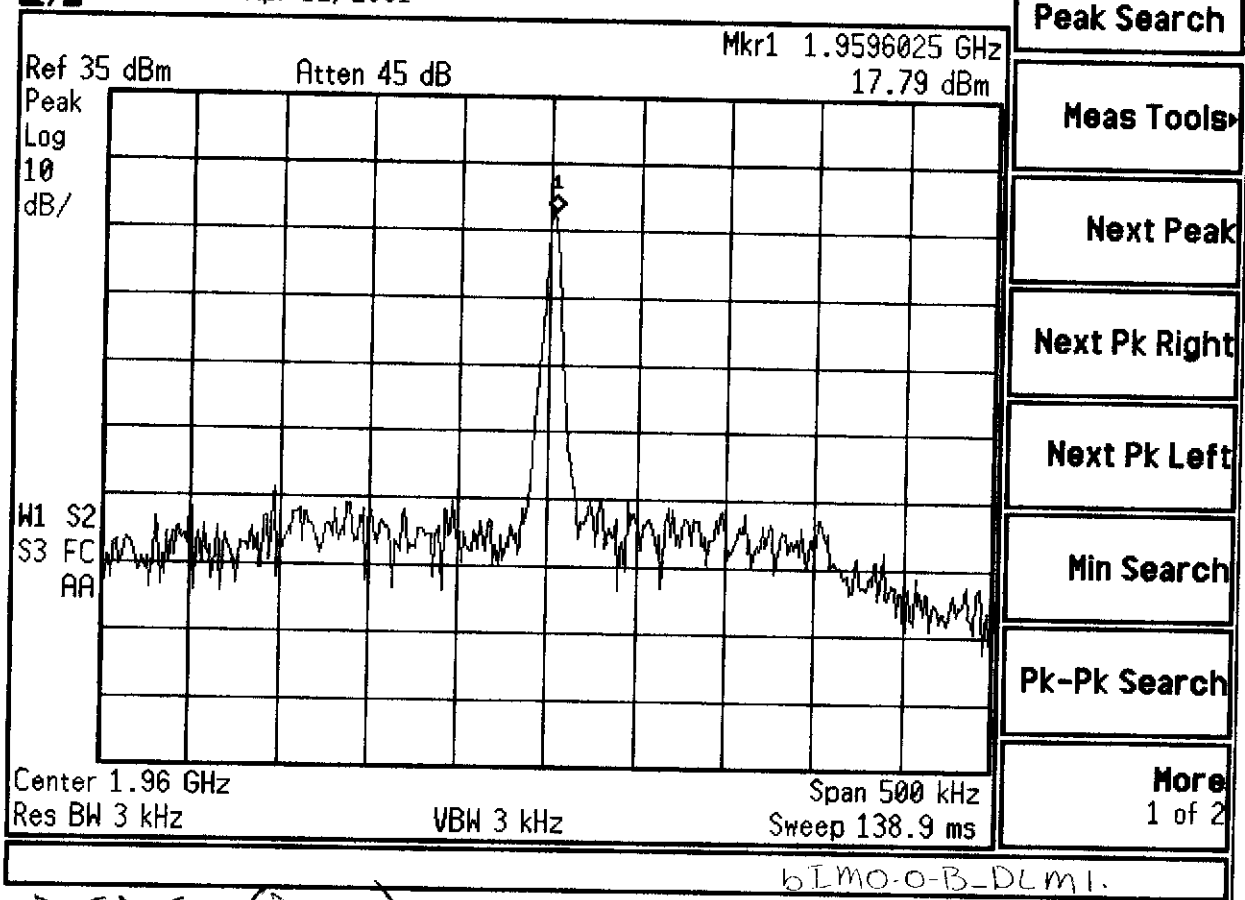
INTERFERER # 1

1990.2 MHz @ 18dBm,

" # 2

1991.2 MHz @ 18dBm.

~ -80dBc

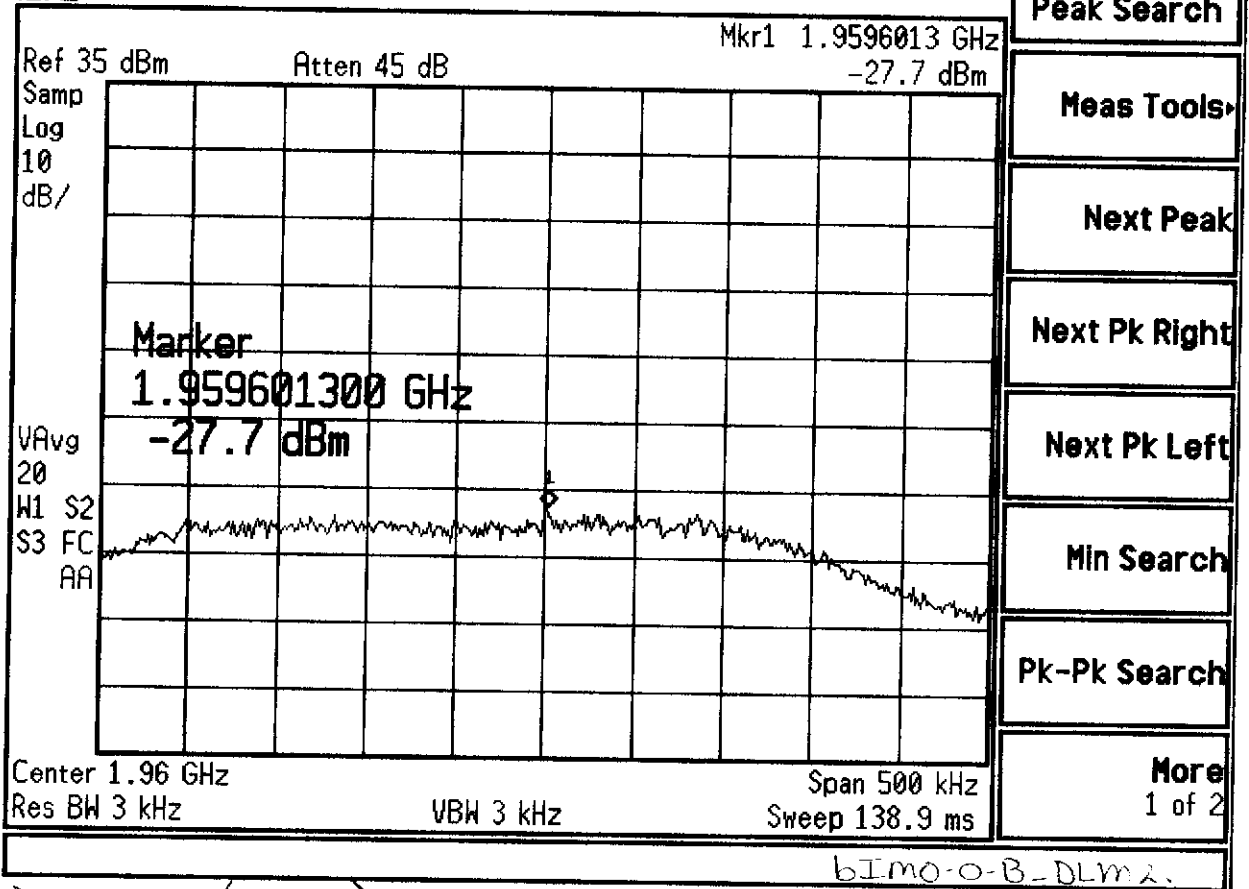


2 SPICE (2000S)

OUT OF BAND IMD

DL, M @ MAX GAIN

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



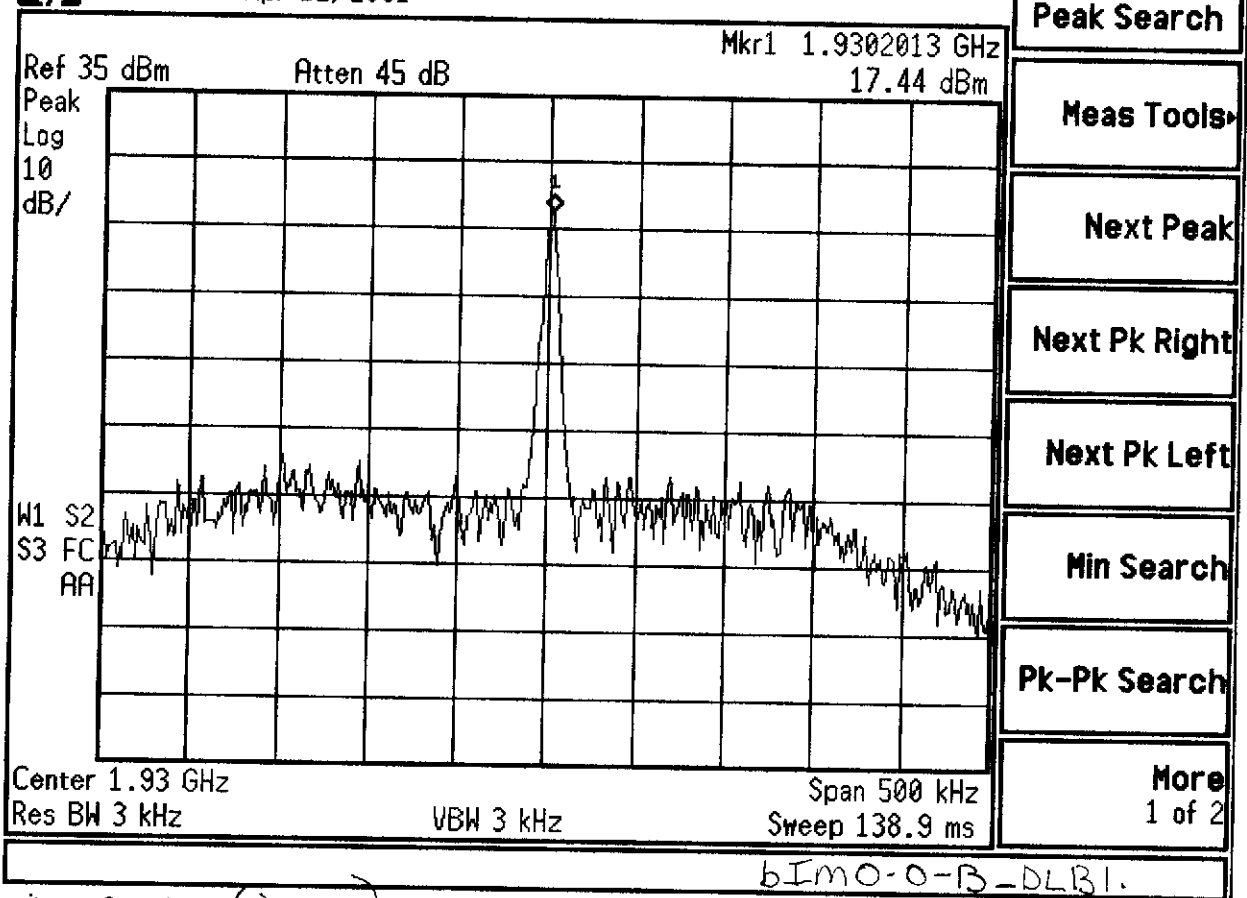
PSICE (8000S)

OUT OF BAND IMD

$\Delta/2$, M @ MAX GAIN

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

$\sim -86 \text{ dBc}$



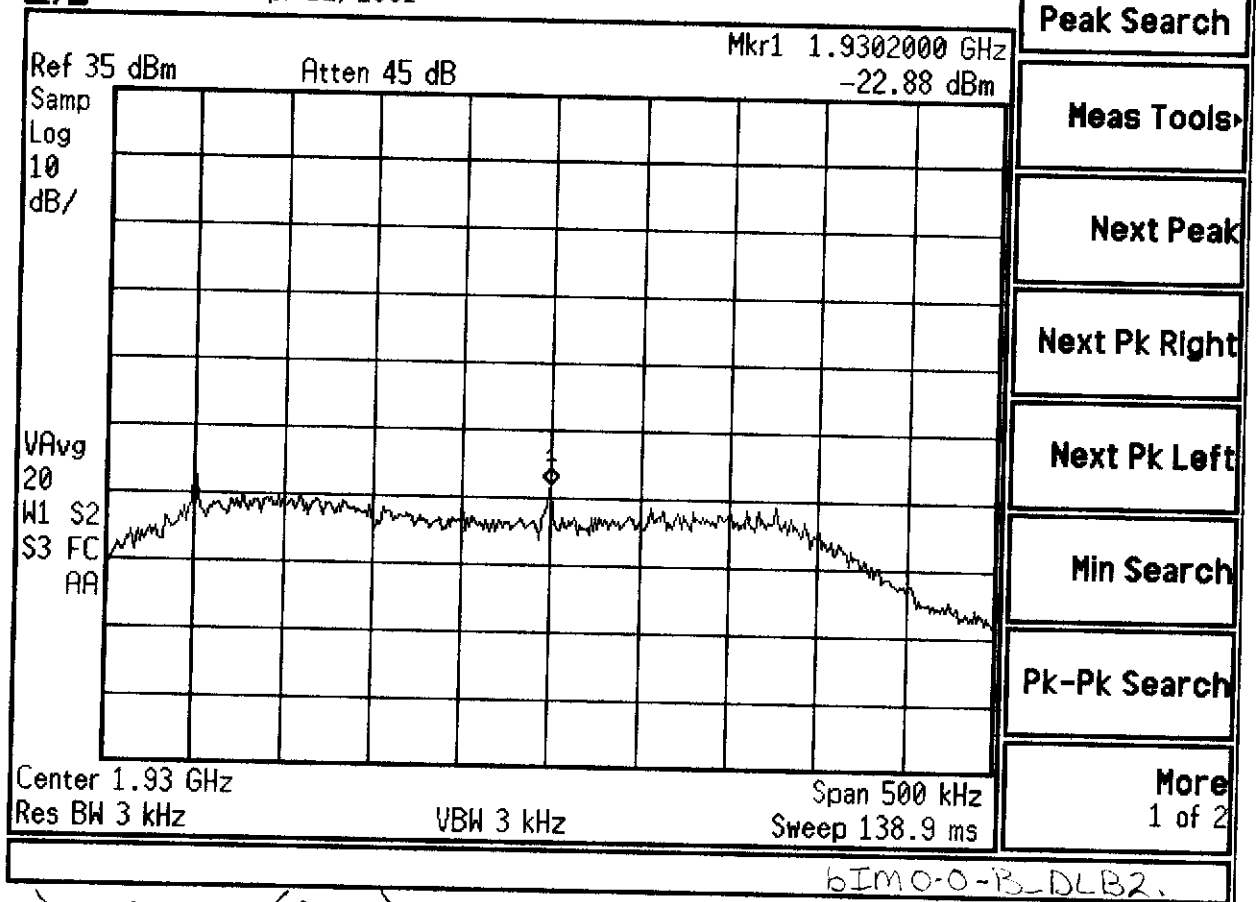
2 SPICE (2000S)

OUT OF BAND IMD

D/L, 2 @ MAX GAIN

Prefer $F_{IN} : 1930.8 @ -$

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



B Spike (2000s)

OUT OF BAND IMD

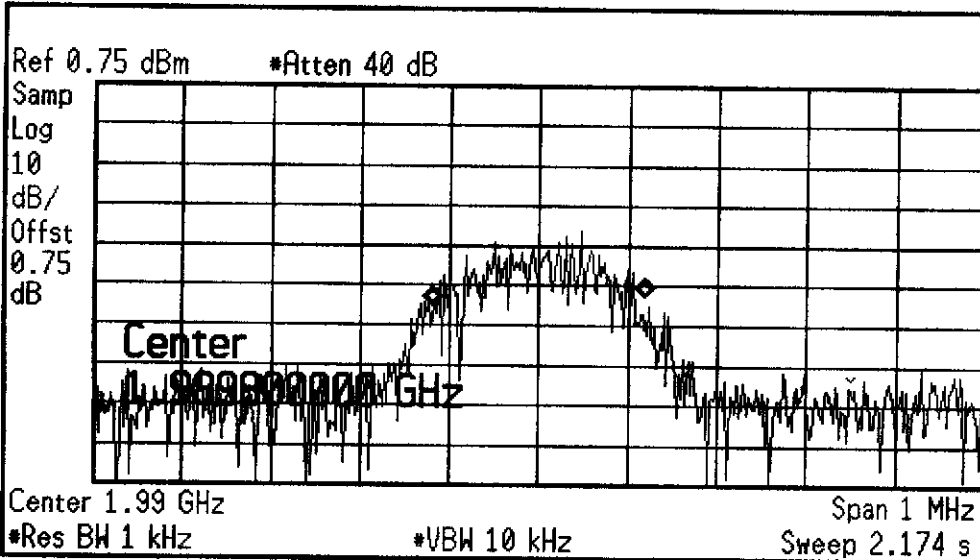
Δ/L , B @ MAX GAIN

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

~ -67 dBc

Occupied Bandwidth BSPICE

14:12:30 Apr 11, 2001



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

Occupied Bandwidth Results (measuring...)

Occupied Bandwidth
237.9 kHz

Occ BW % Pwr 99.00 %

Transmit Freq Error -854.2 Hz

Signal Track
On Off

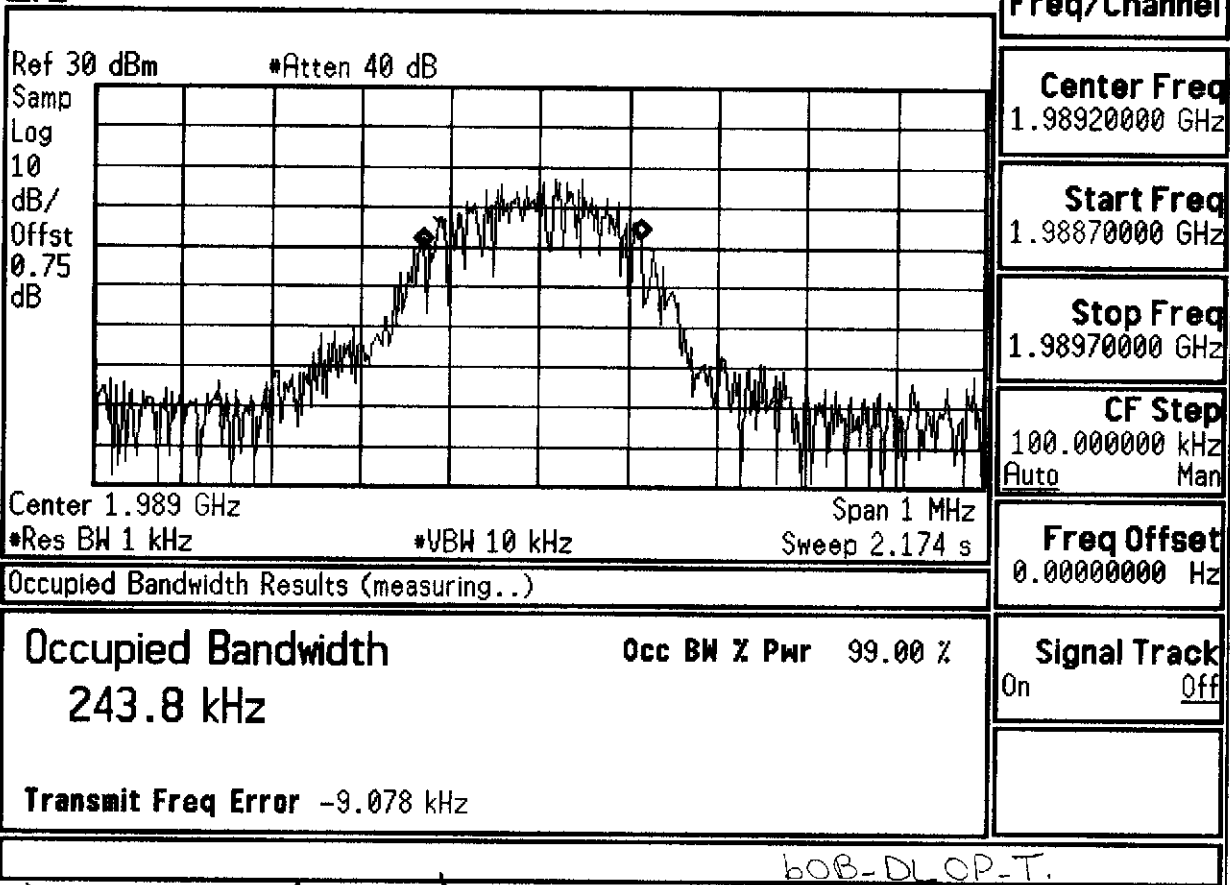
60B-DLIP-T.

BSPICE (8000S)

GSM INPUT @ S/L, T.

PIN: -20 dBm

hp 14:27:13 Apr 11, 2001

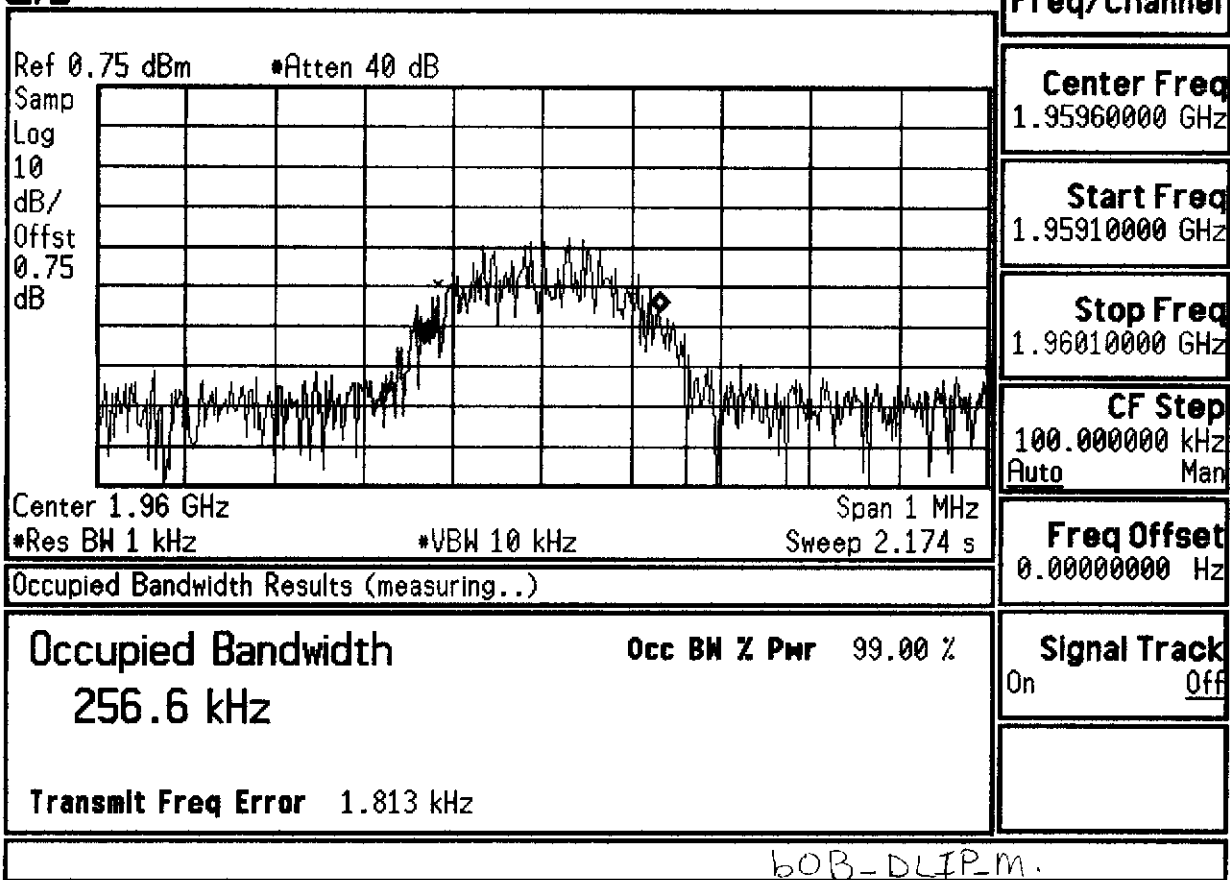


B SPACE (BOOOS)

GSM OUTPUT @ A/L, T

PIN: -20dBm

hp 14:10:15 Apr 11, 2001

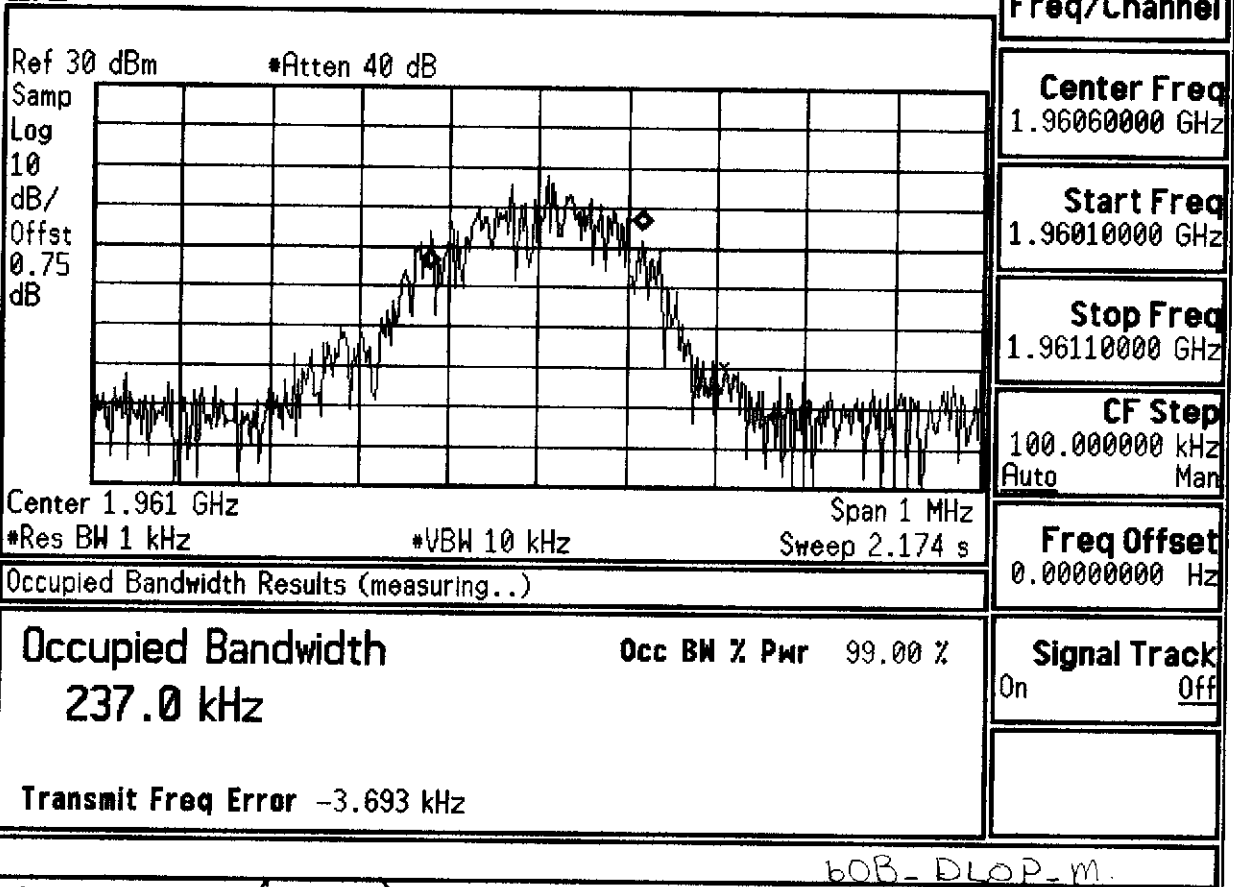


B SPICE (2000S)

GSM INPUT @ A/L, M.

P_{IN} @ -20dBm

hp 14:25:39 Apr 11, 2001

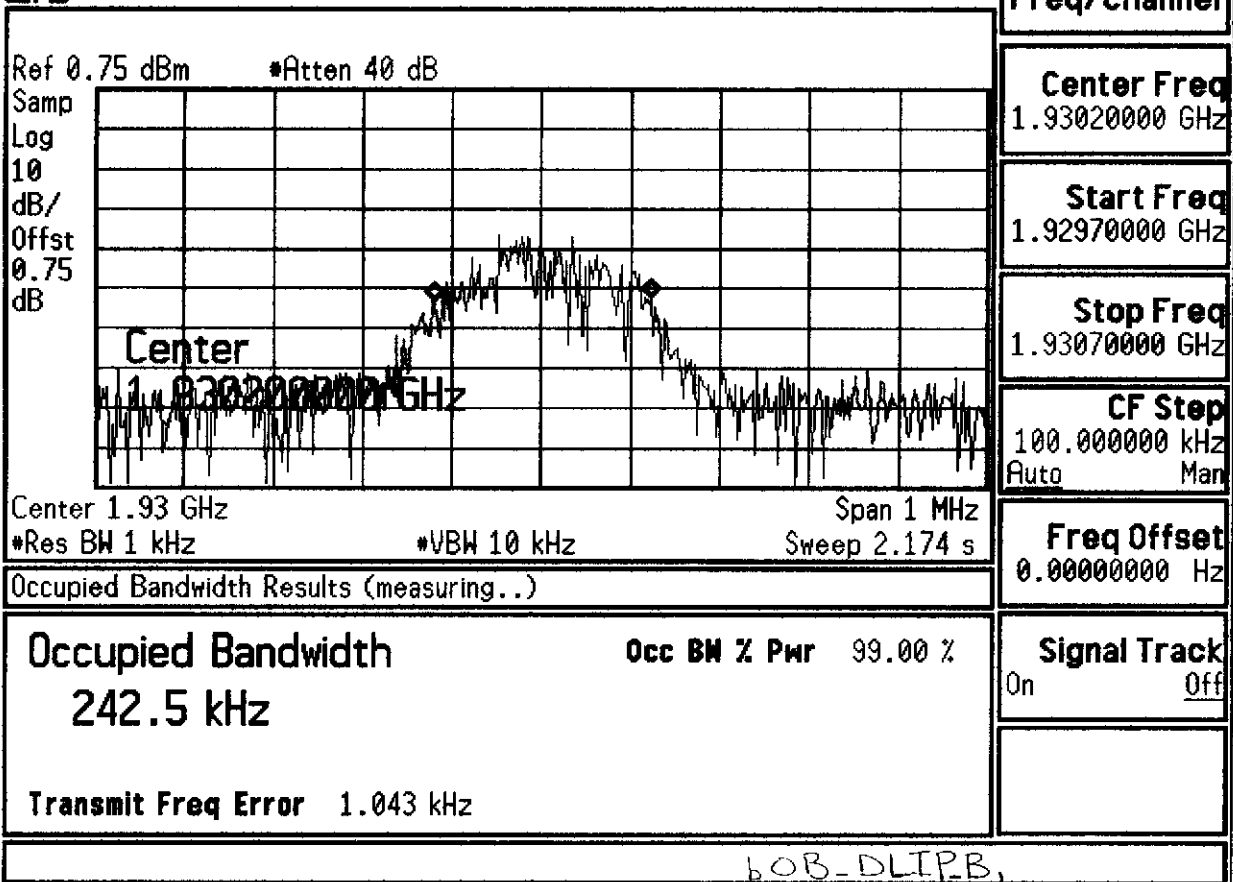


BSPICE (E0005)

6SM OUTPUT @ D/L M.

PIN : -20dBm

hp 14:07:26 Apr 11, 2001

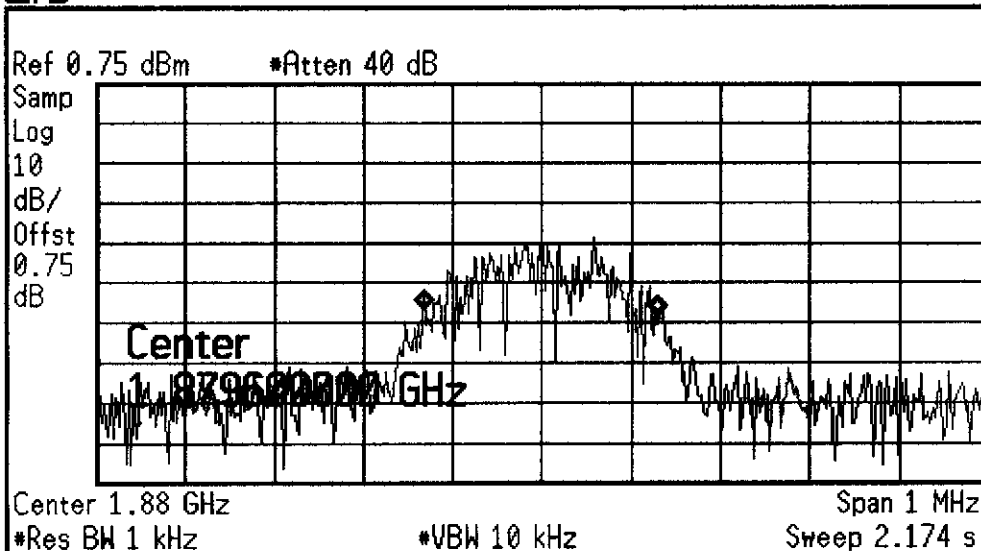


2 Spice (80005)

GSM INTV @ 1/L, 2.

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

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 %
--	-----------------------------

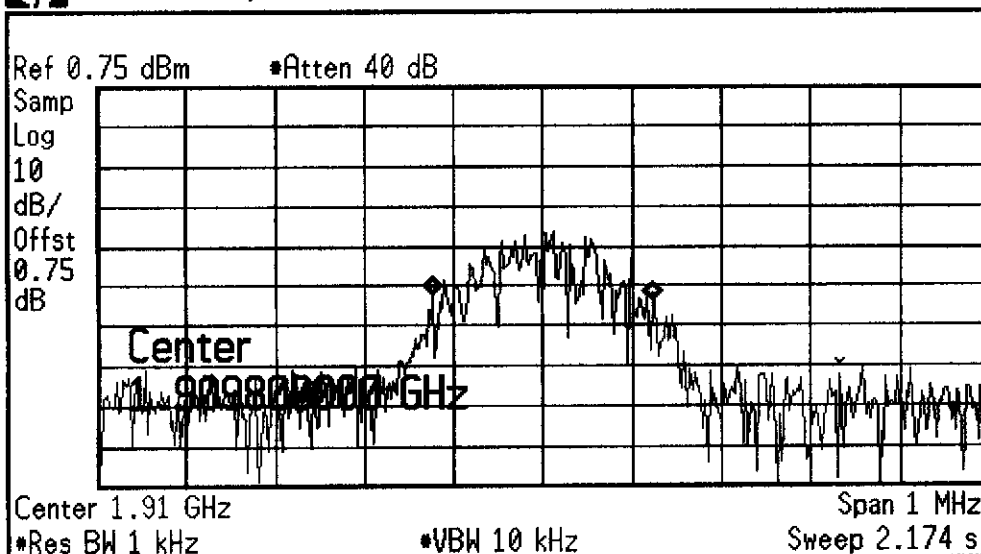
Transmit Freq Error -1.779 kHz

Signal Track
On Off

60B-UPLIP.T.

B SPICE (E0005)
GSM INPUT @ U/L, T
P_{IN} : -20dBm

hp 14:05:59 Apr 11, 2001



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

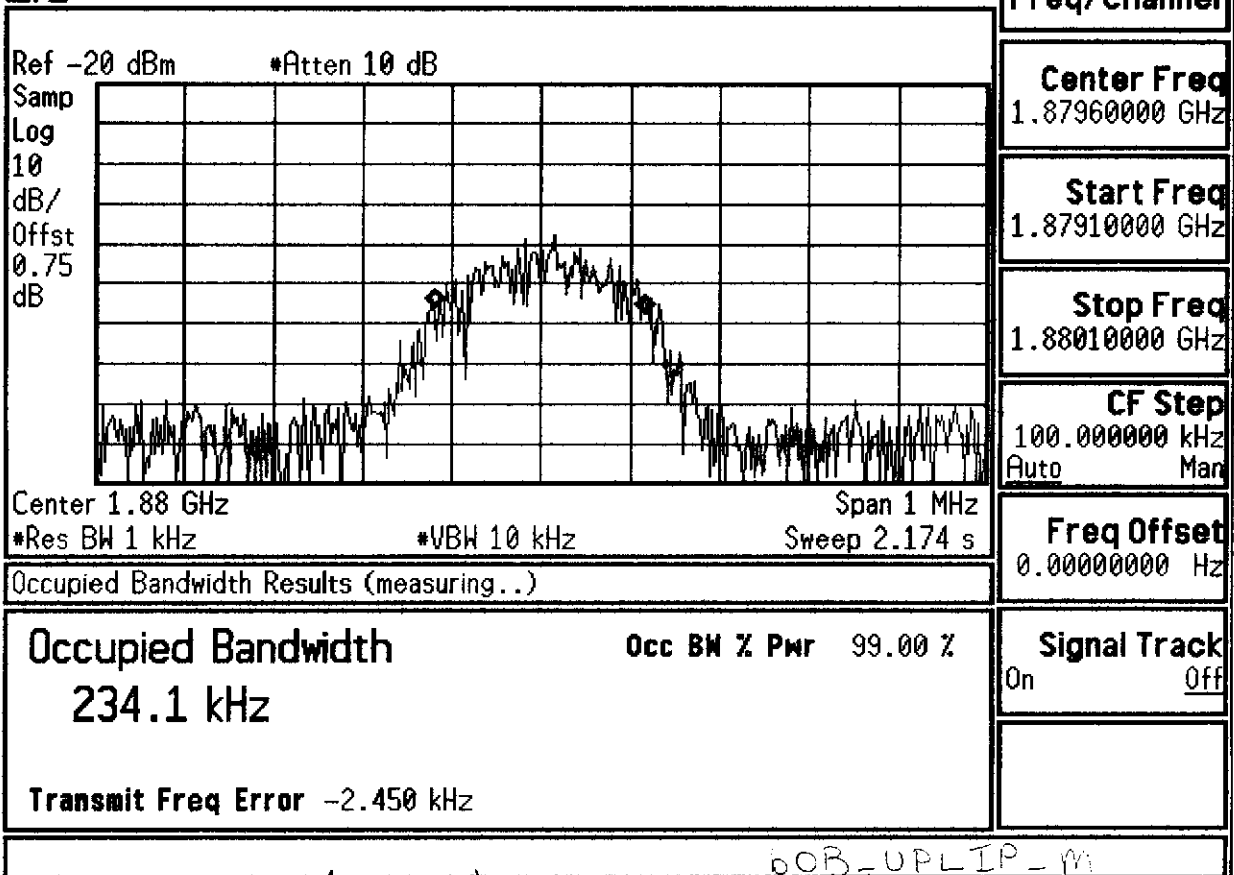
608-0PLCDET

BSPEC (B0005)

GSM output @ U/L, T

PIN: -20dBm

hp 14:47:42 Apr 11, 2001



B SPICE (2000S)

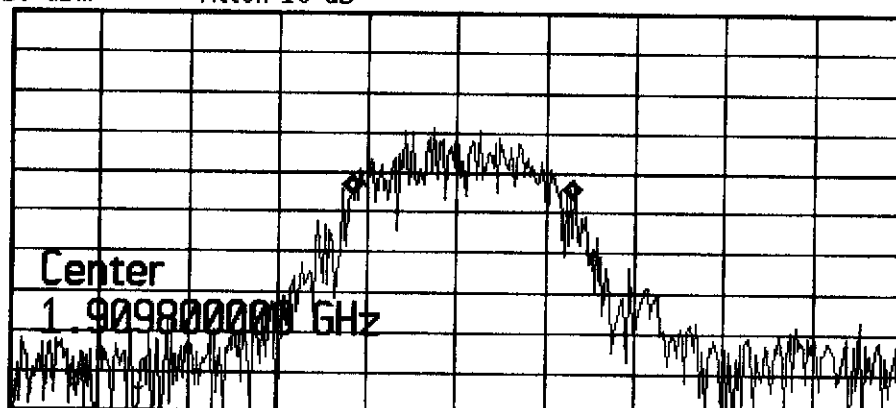
GSM Input @ U/L, M

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

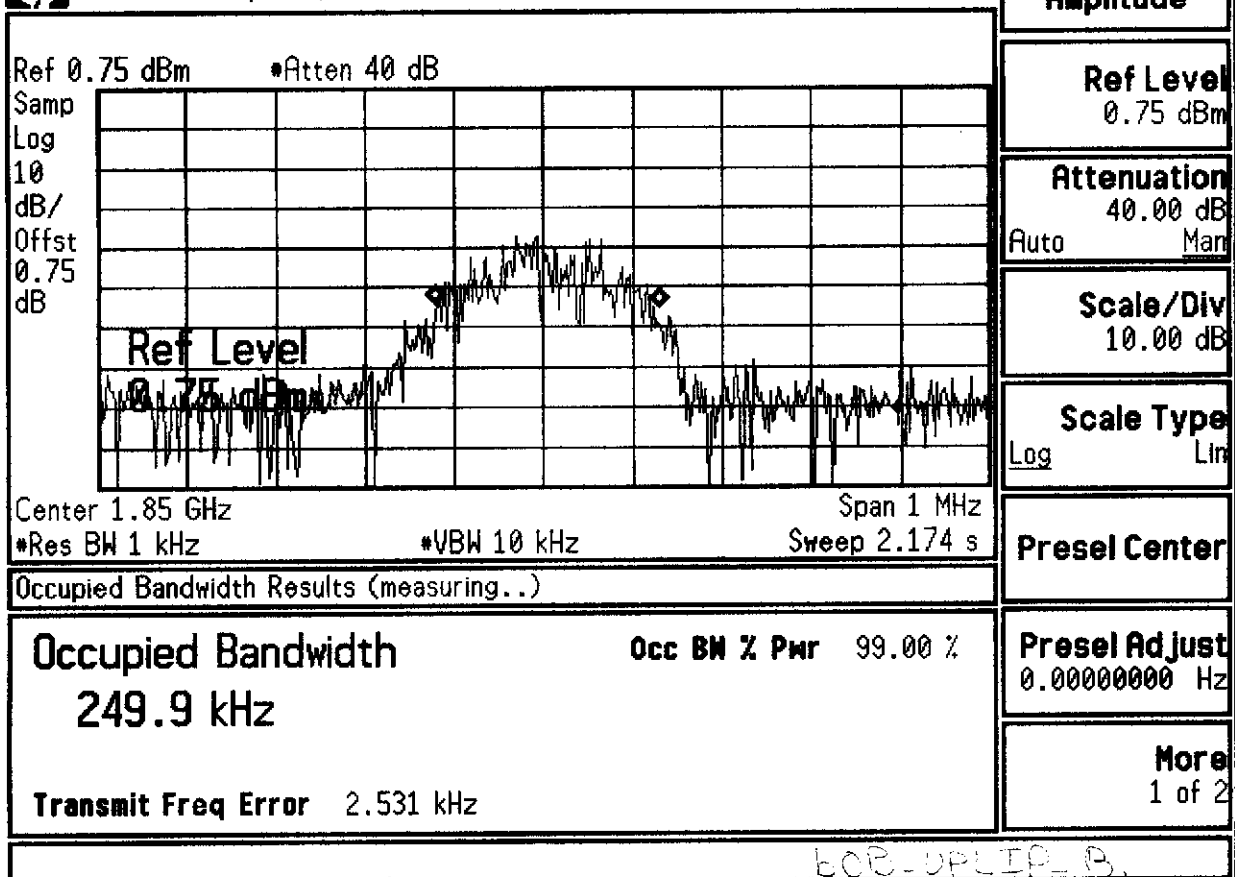
BOB-UPLOADER

B SPICE (2000S)

GSM OUTPUT @ U/L, m

PIN : 10dBm

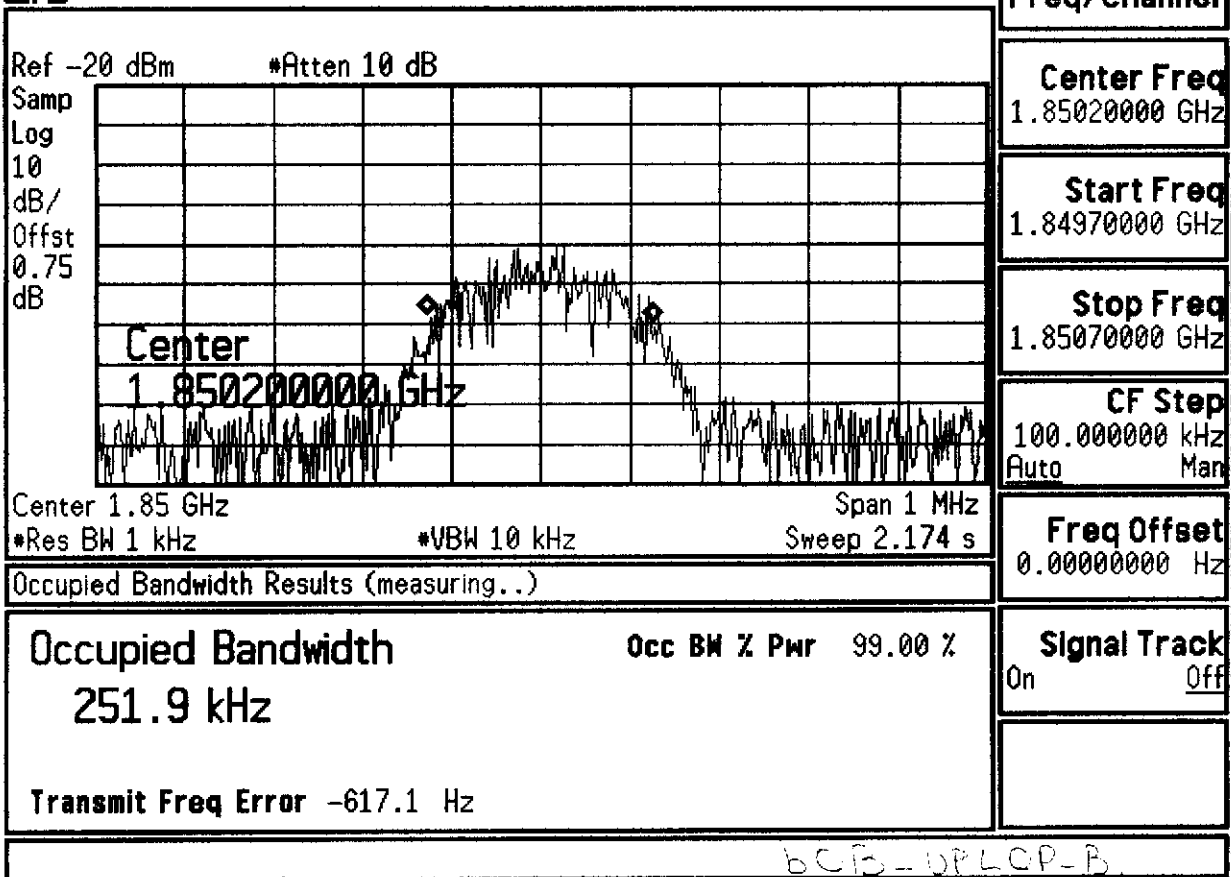
hp 14:00:41 Apr 11, 2001



B SPICE (2000S)

GSM INPUT @ U/L, E.

P_{IN}: -20dBm



2 SPICE (2000S)

GSM OUTPUT @ U/L, BOTTOM.

P_{IN} : 10 dBm