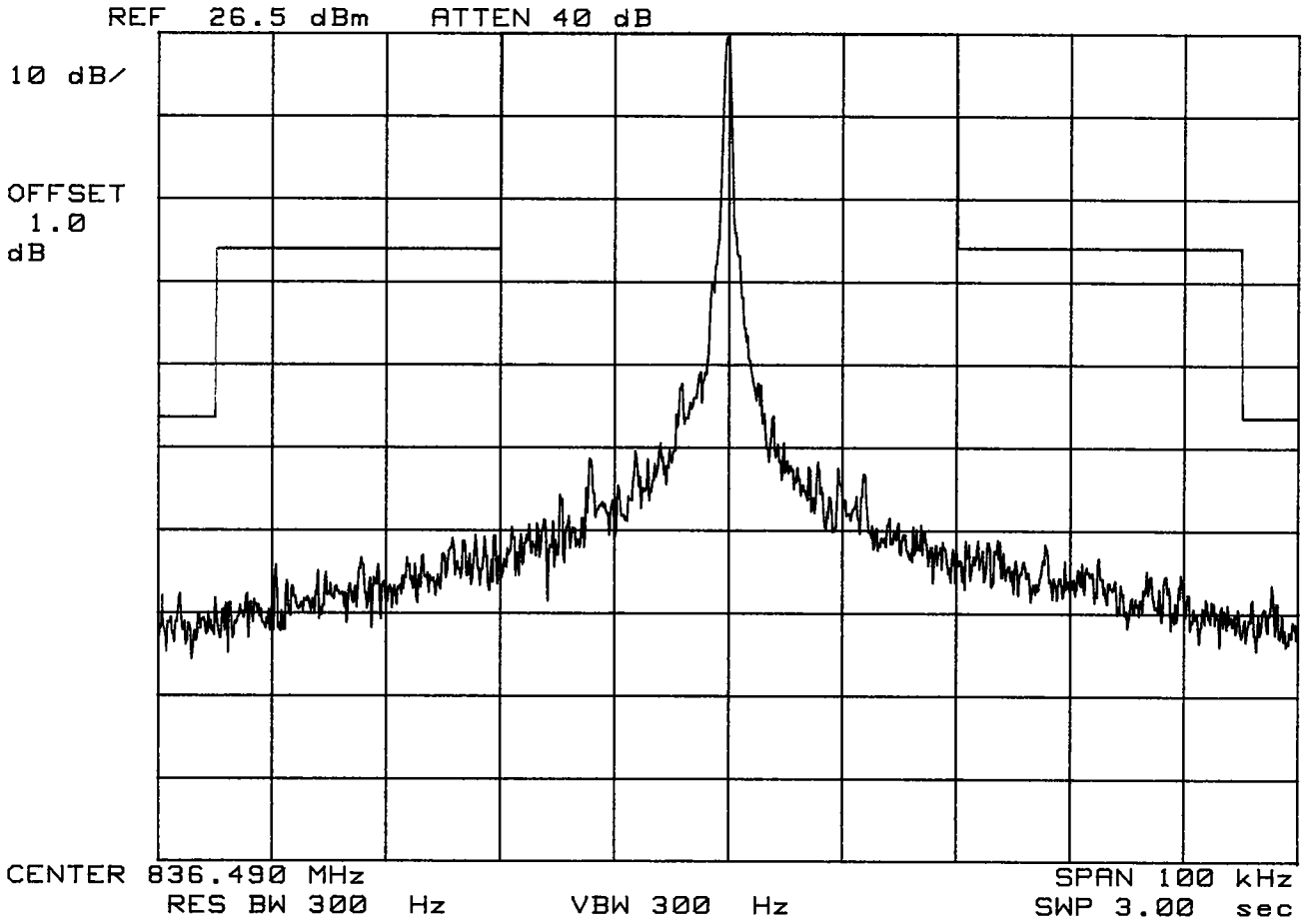
PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

Test Mode:Unmodulated Signal

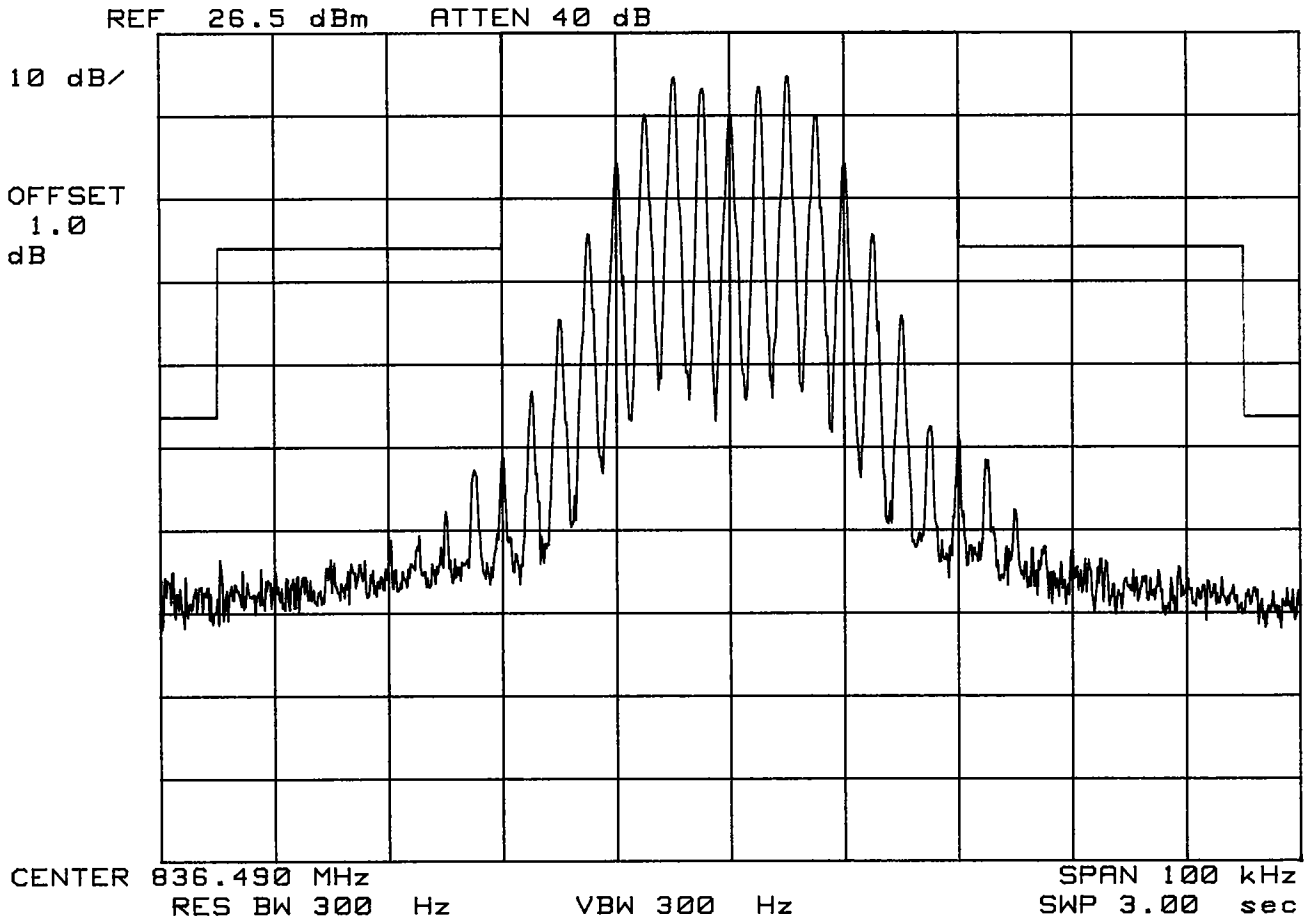


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

Test Mode:Voice

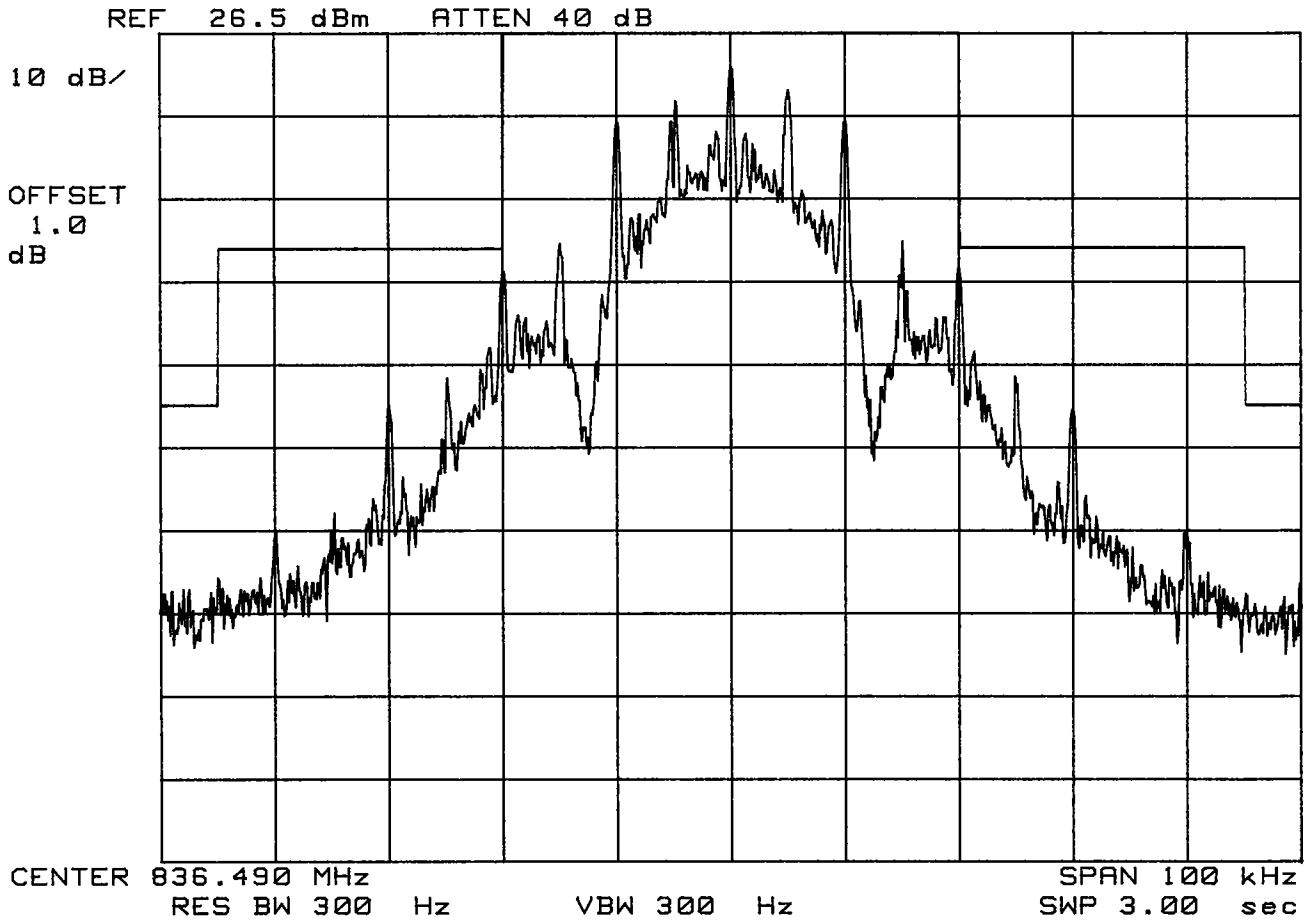


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

Test Mode:Wide Band Data

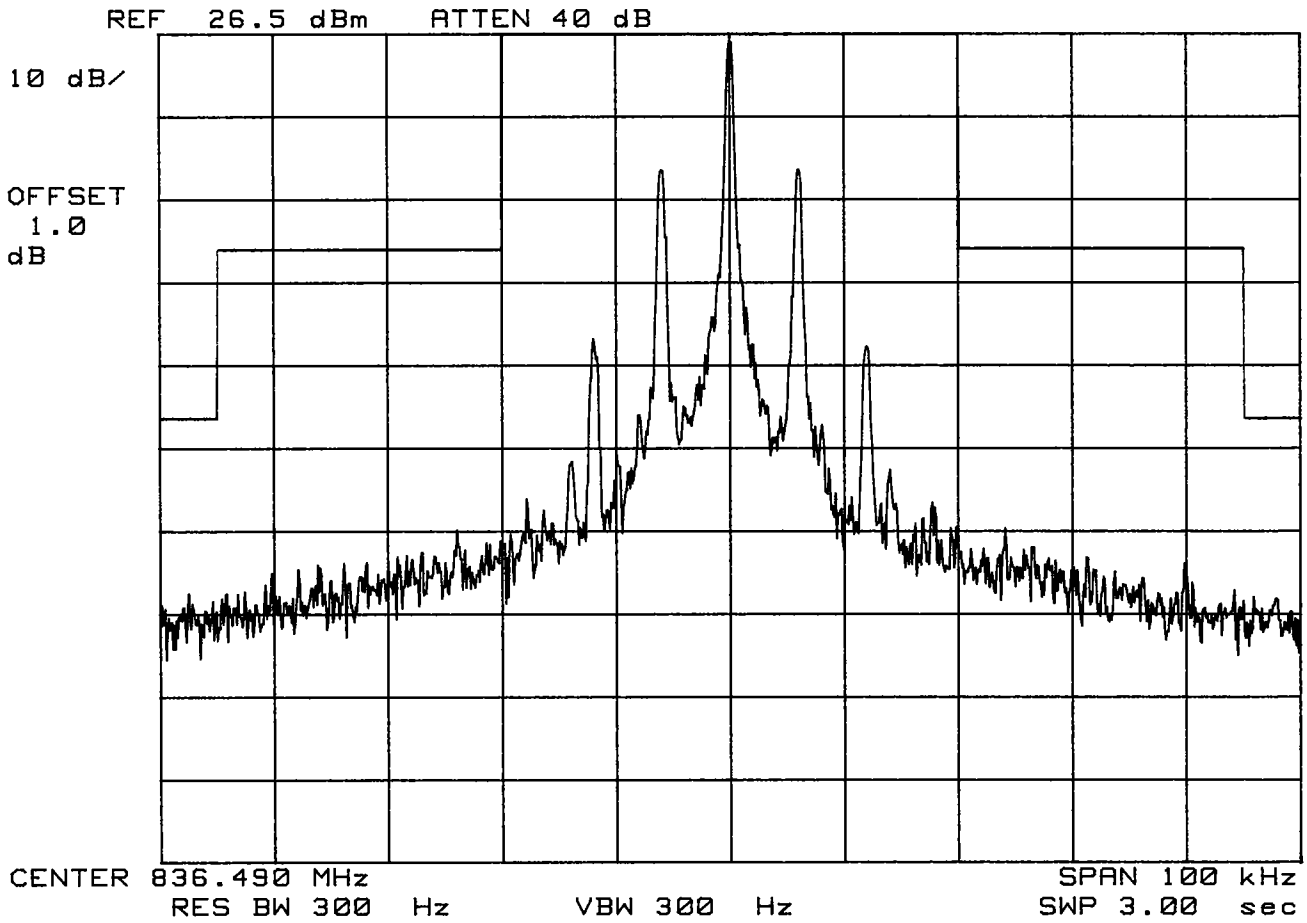


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

Test Mode:SAT

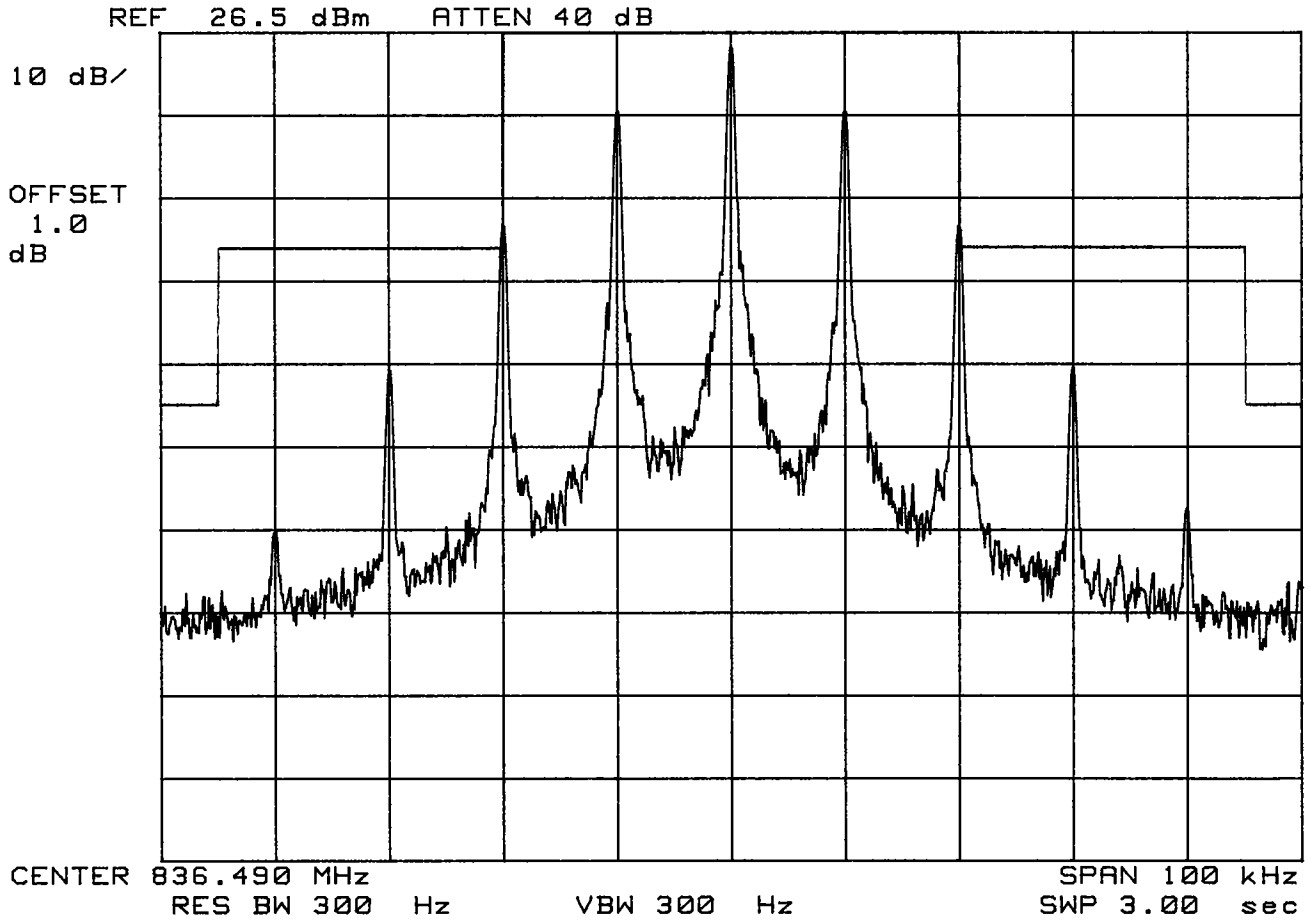


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

Test Mode:ST

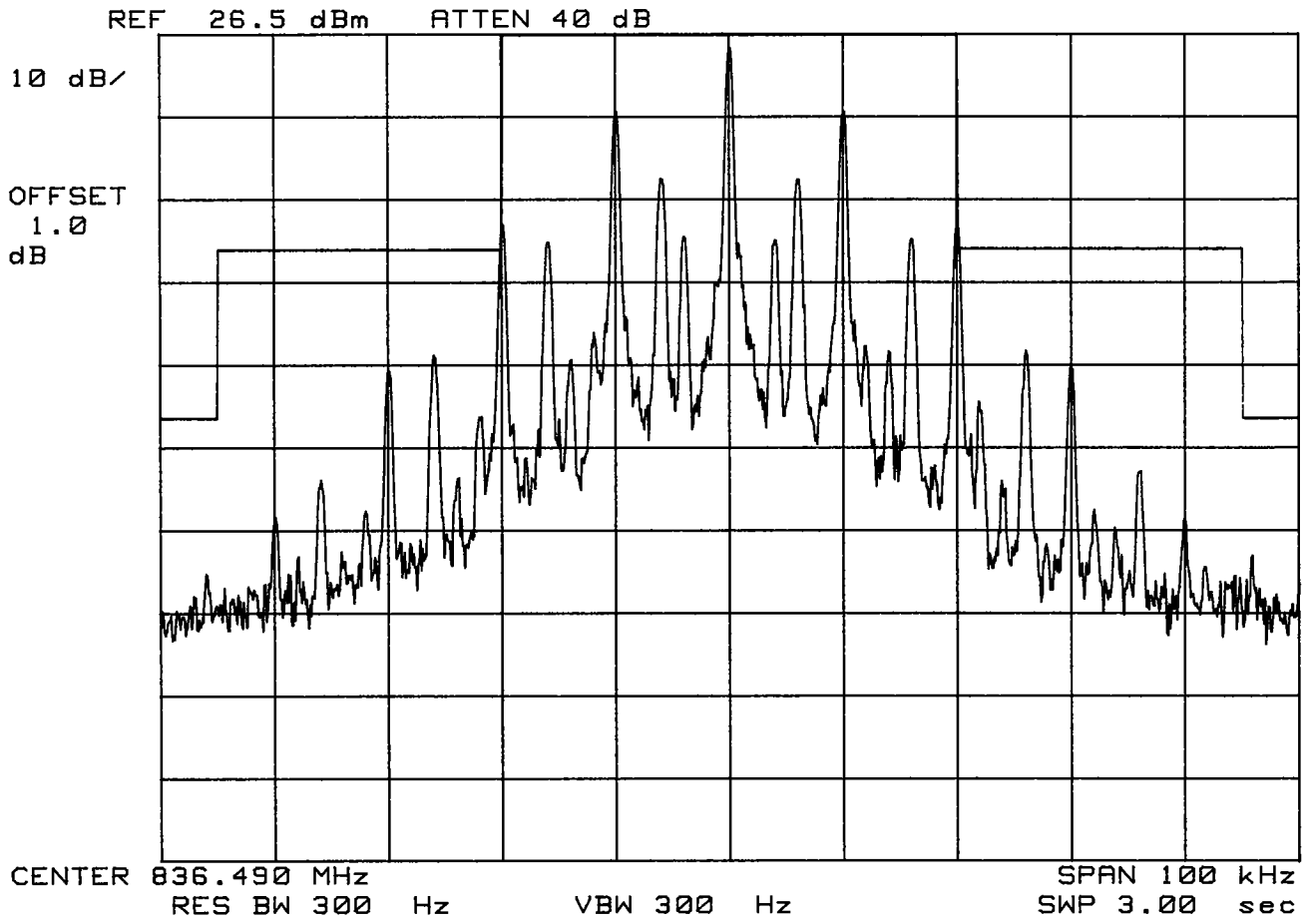


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

Test Mode:SAT + ST

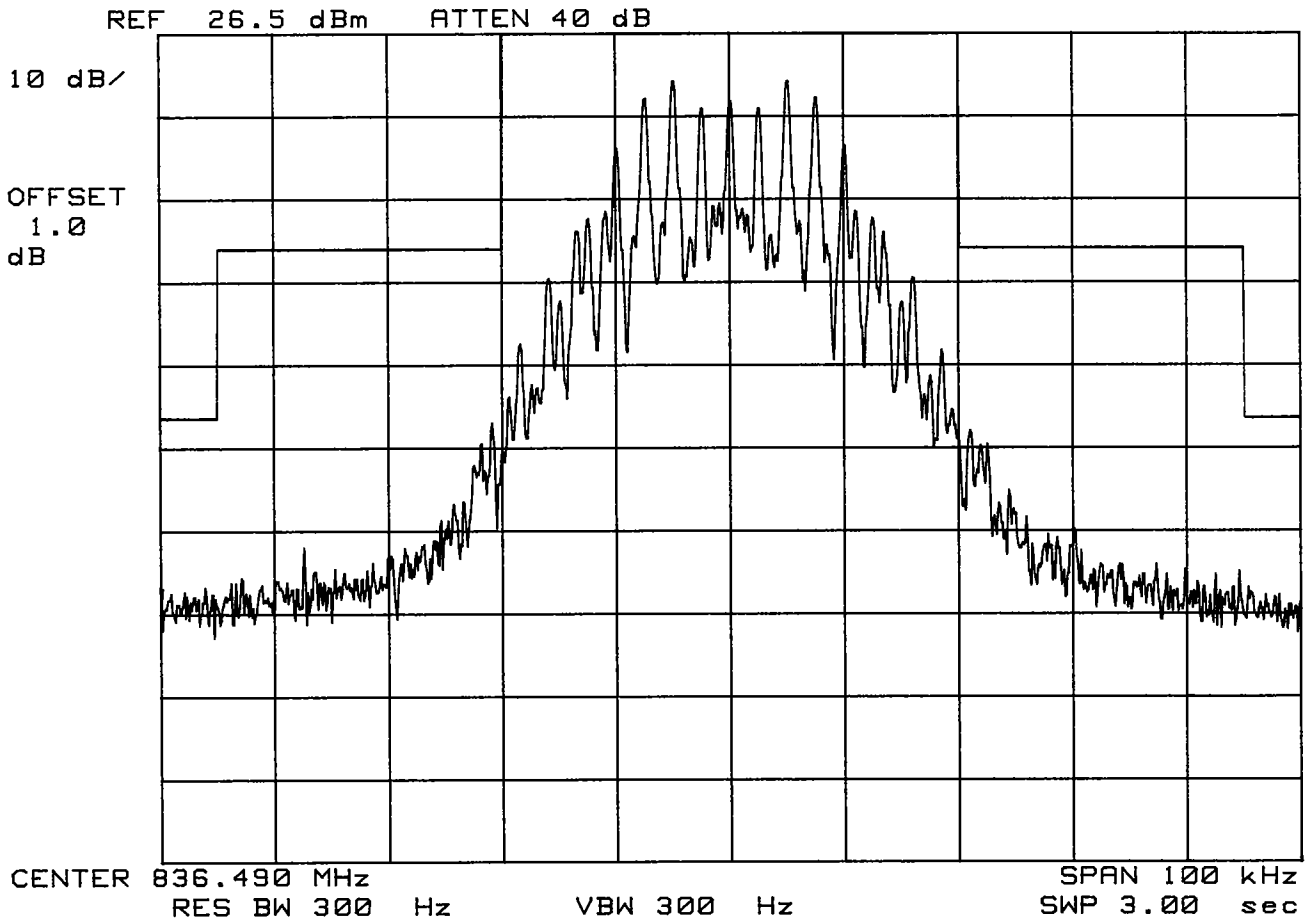


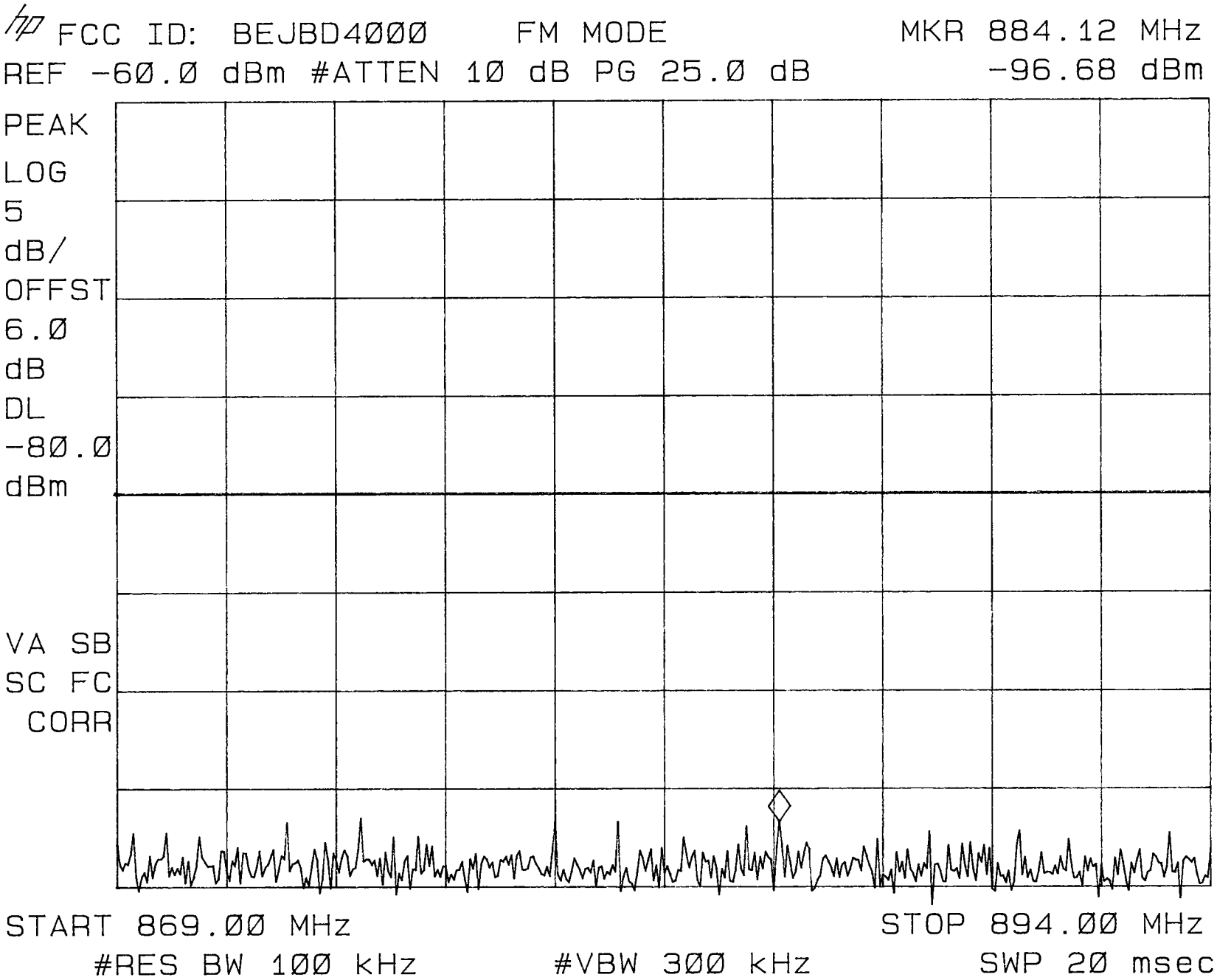
PCTEST Engineering Lab.

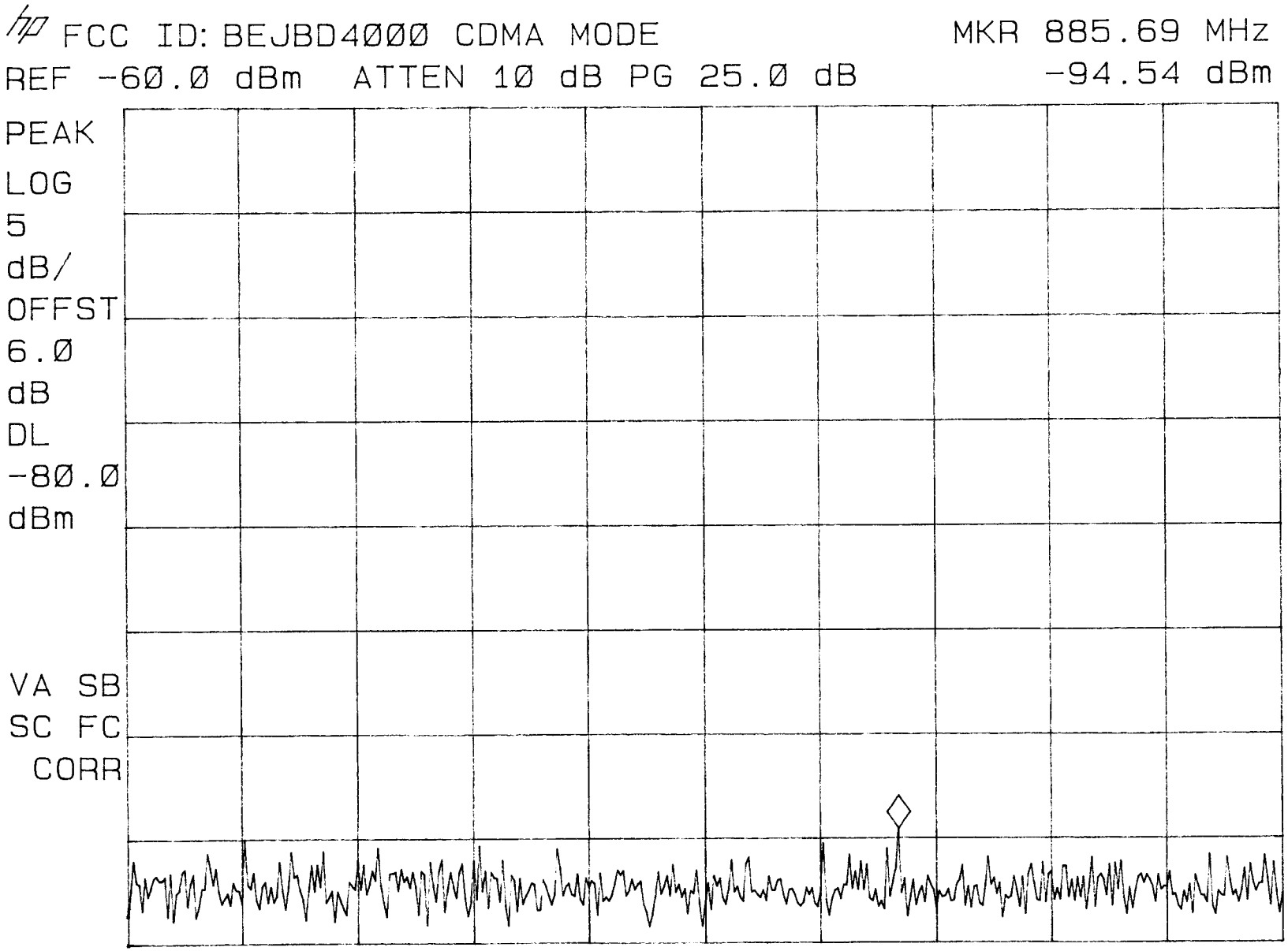
SPECTRUM ANALYZER PRESENTATION

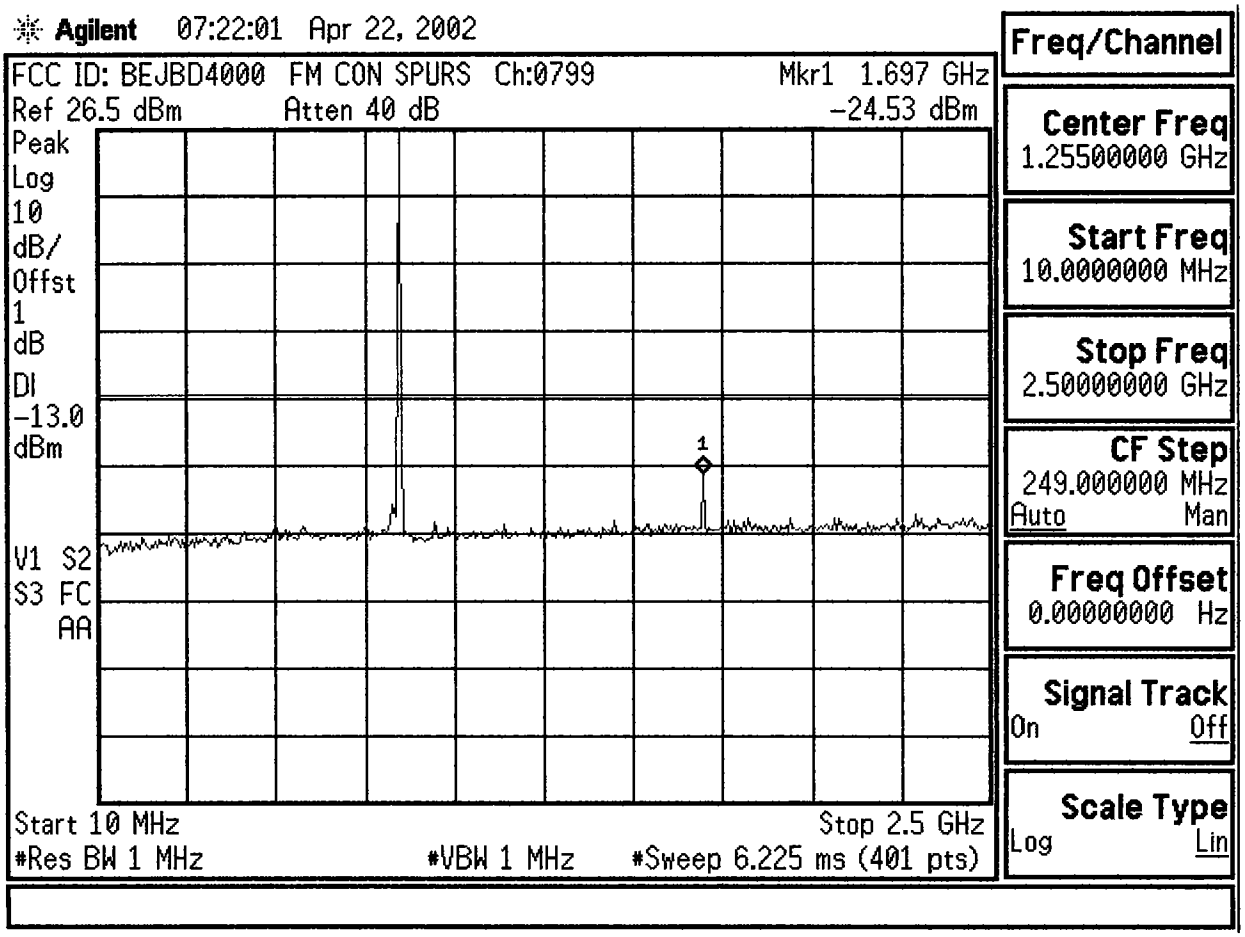
FCC ID:BEJBD4000
LG Electronics
Dual-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

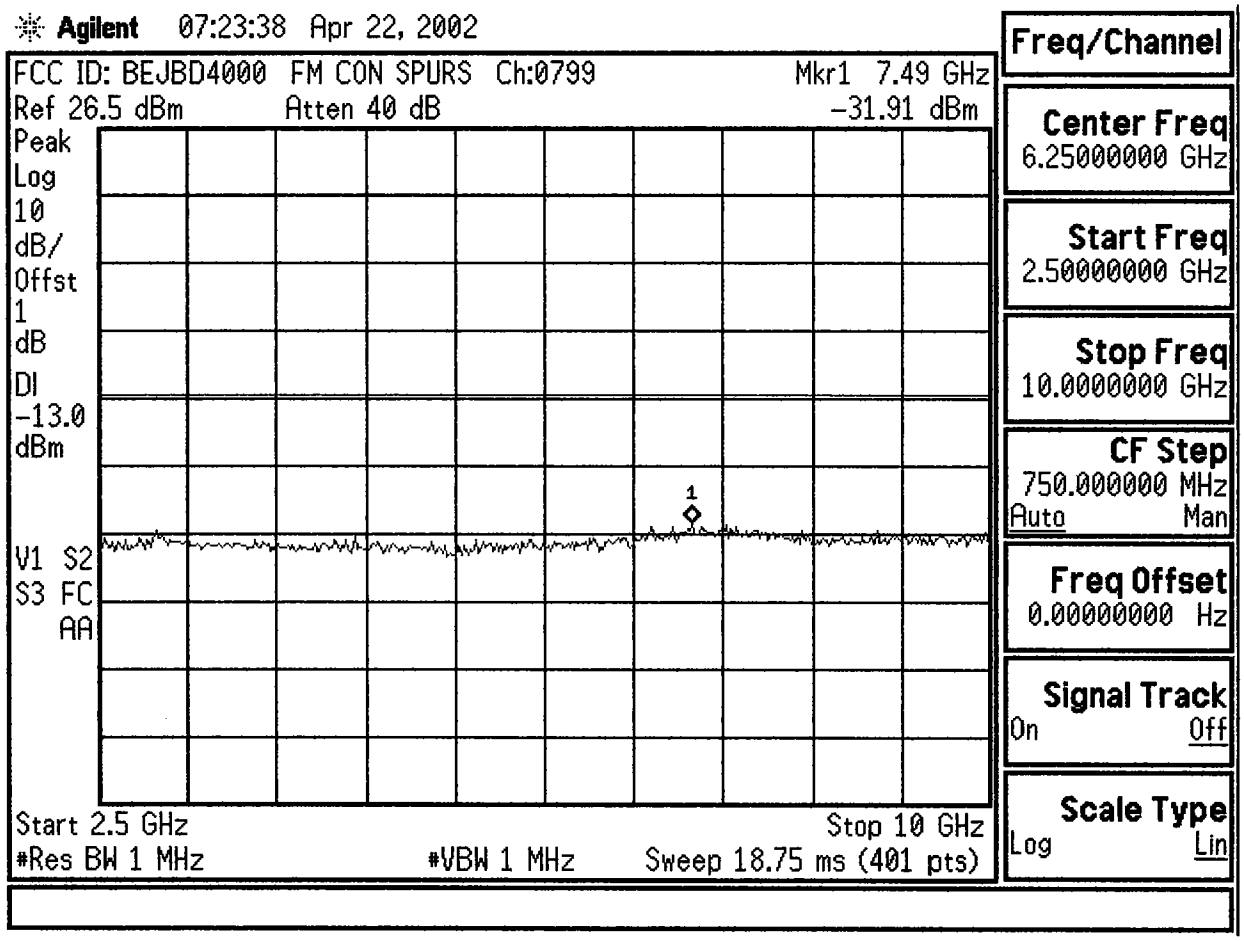
Test Mode:SAT + Voice

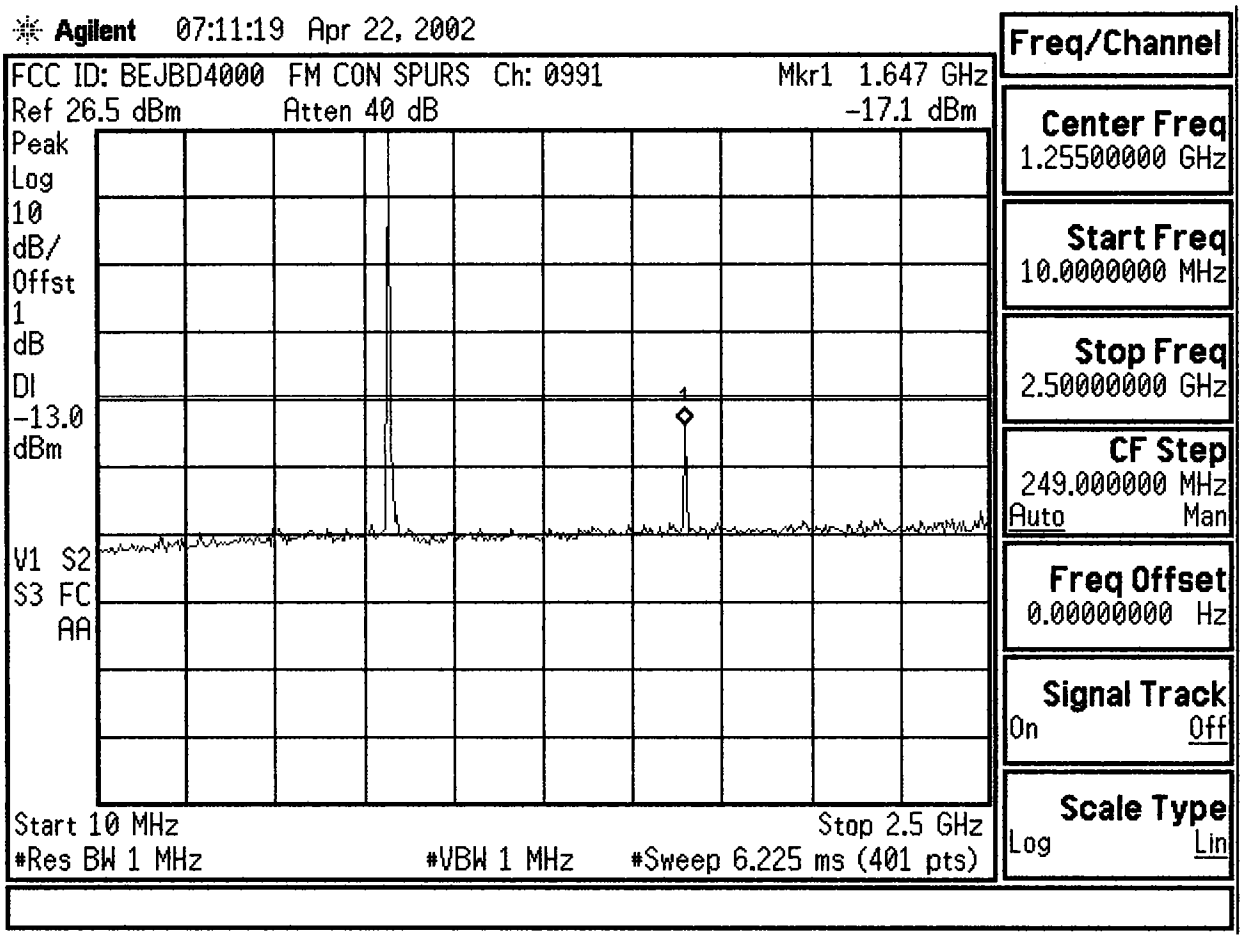


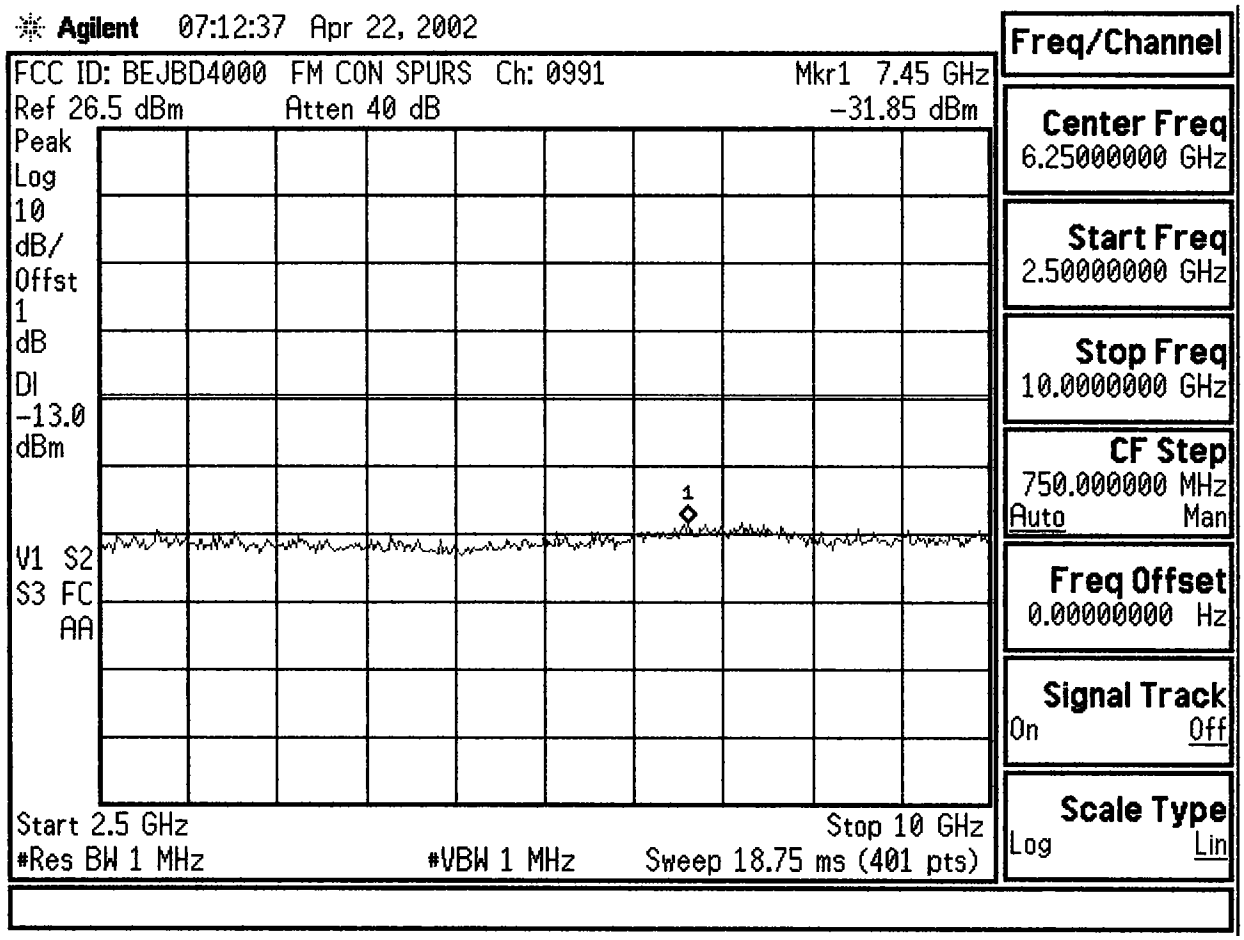

FCC ID: BEJBD4000
FM MODE
MKR 884.12 MHz
REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB
-96.68 dBm
PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-80.0
dBm
VA SB
SC FC
CORR
START 869.00 MHz
STOP 894.00 MHz
#RES BW 100 kHz
#VBW 300 kHz
SWP 20 msec

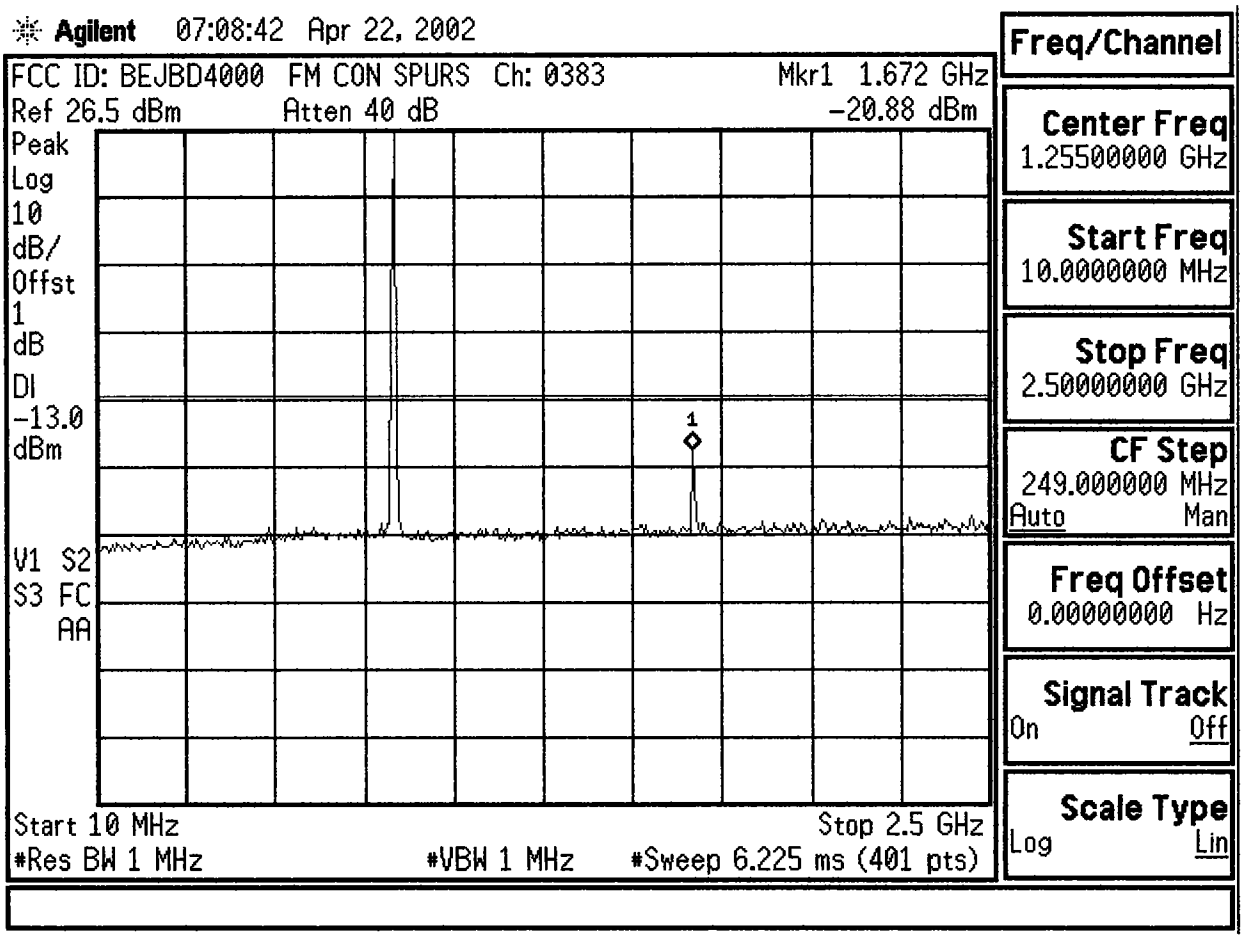

FCC ID: BEJBD4000 CDMA MODE
MKR 885.69 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB
-94.54 dBm
PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-80.0
dBm
VA SB
SC FC
CORR
START 869.00 MHz
STOP 894.00 MHz
#RES BW 100 kHz
#VBW 300 kHz
SWP 20 msec

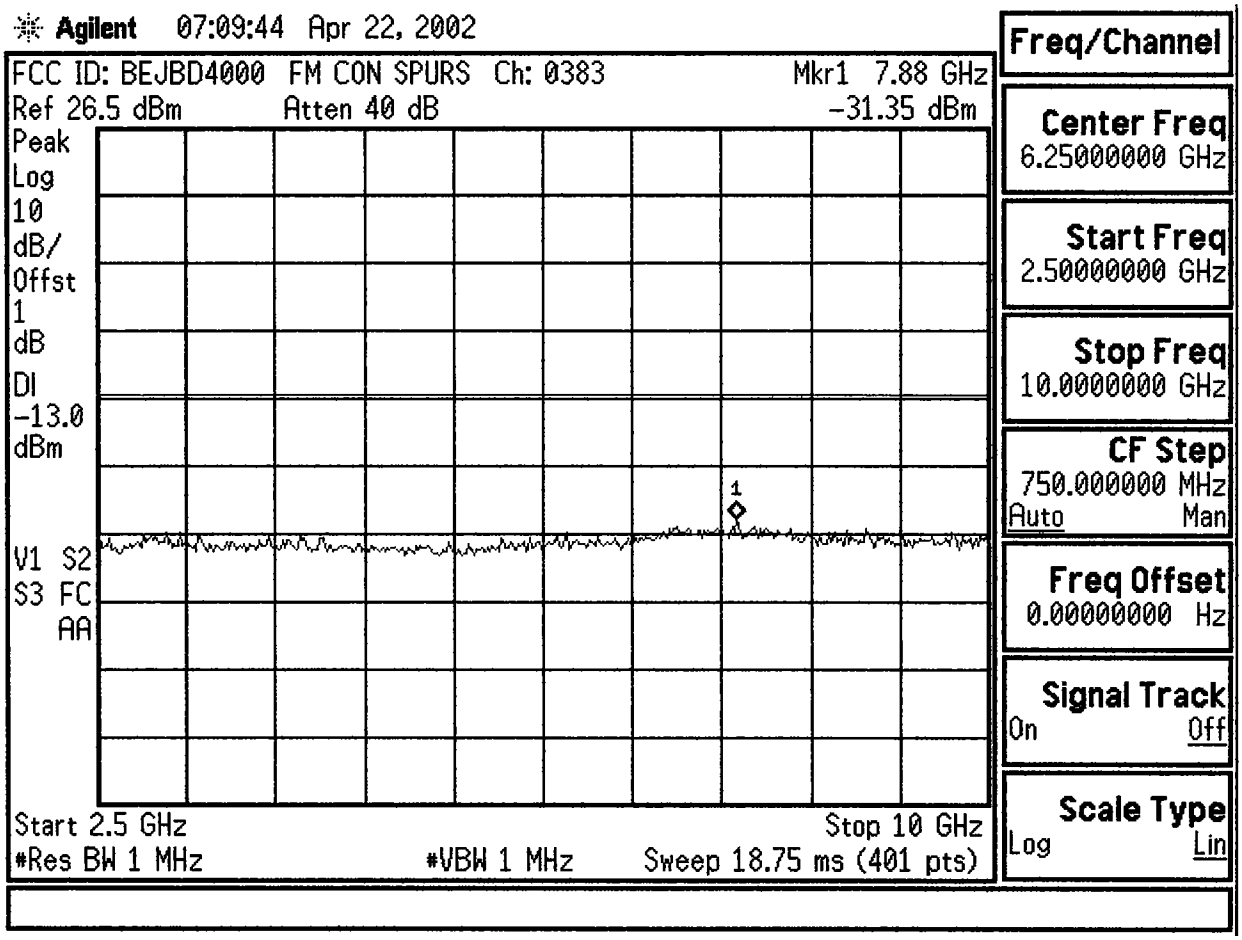

Agilent 07:22:01 Apr 22, 2002
FCC ID: BEJBD4000 FM CON SPURS Ch:0799
Mkr1 1.697 GHz
Ref 26.5 dBm
Atten 40 dB
-24.53 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

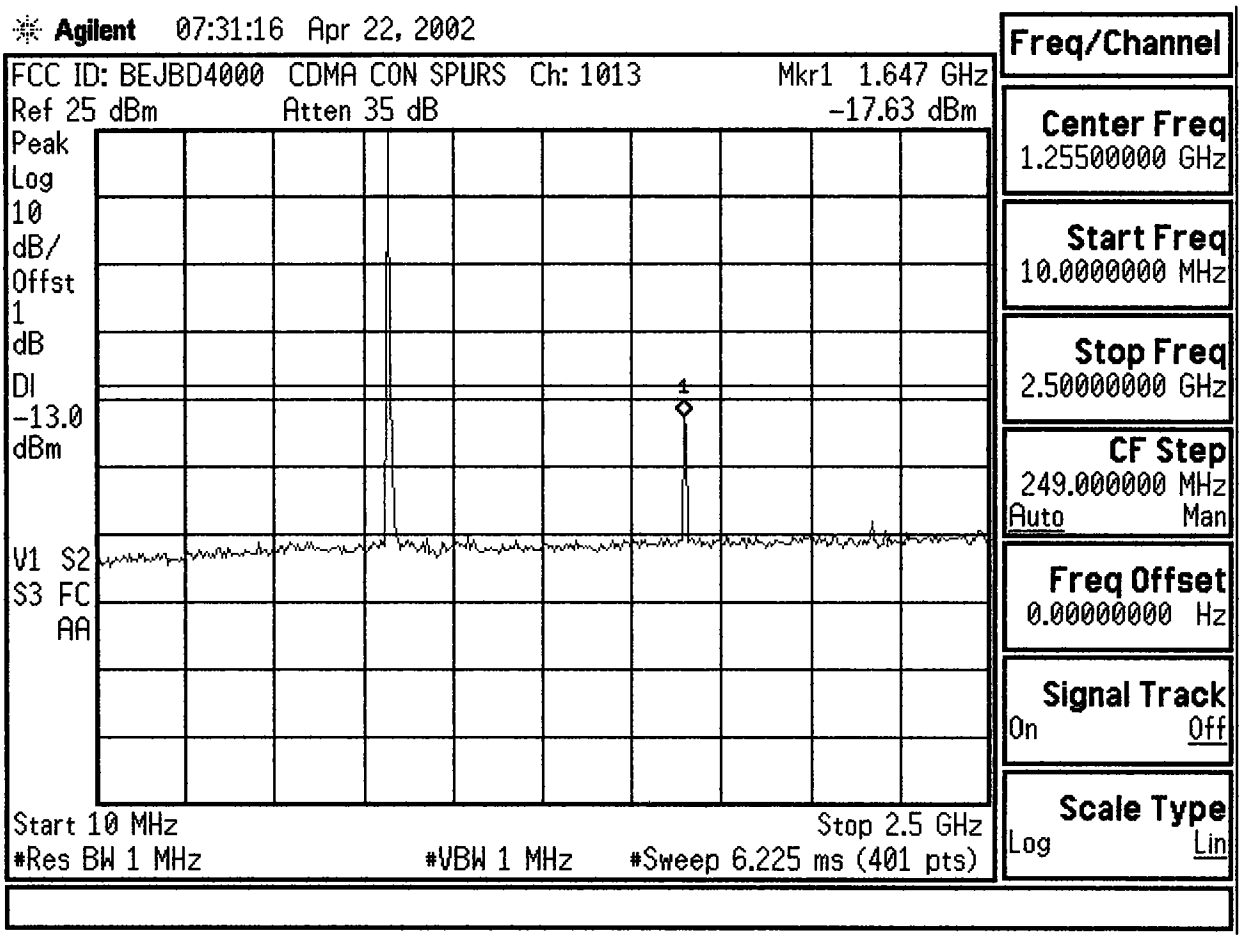

Agilent 07:23:38 Apr 22, 2002
FCC ID: BEJBD4000 FM CON SPURS Ch:0799
Mkr1 7.49 GHz
Ref 26.5 dBm
Atten 40 dB
-31.91 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

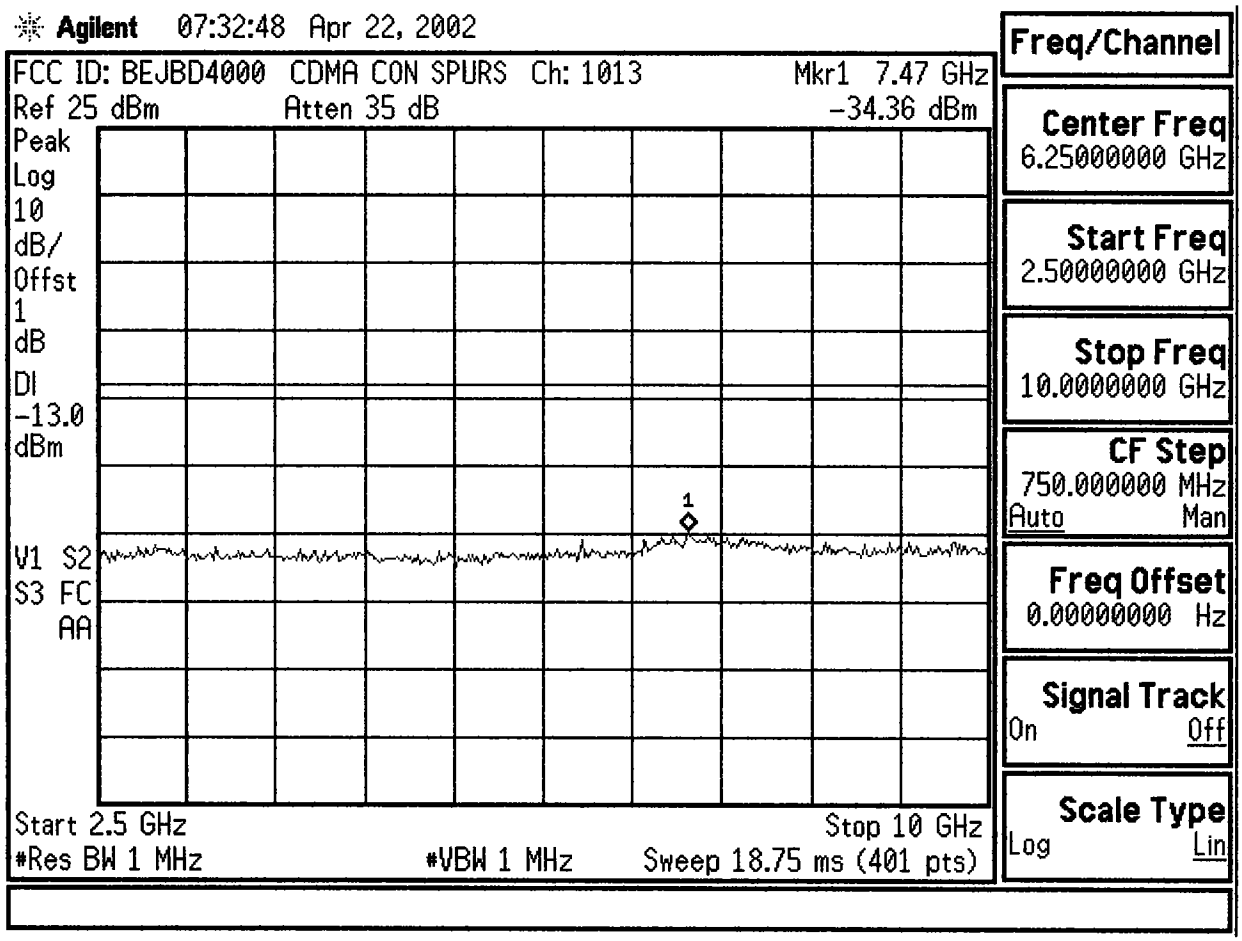

Agilent 07:11:19 Apr 22, 2002
FCC ID: BEJBD4000 FM CON SPURS Ch: 0991
Mkr1 1.647 GHz
Ref 26.5 dBm
Atten 40 dB
-17.1 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

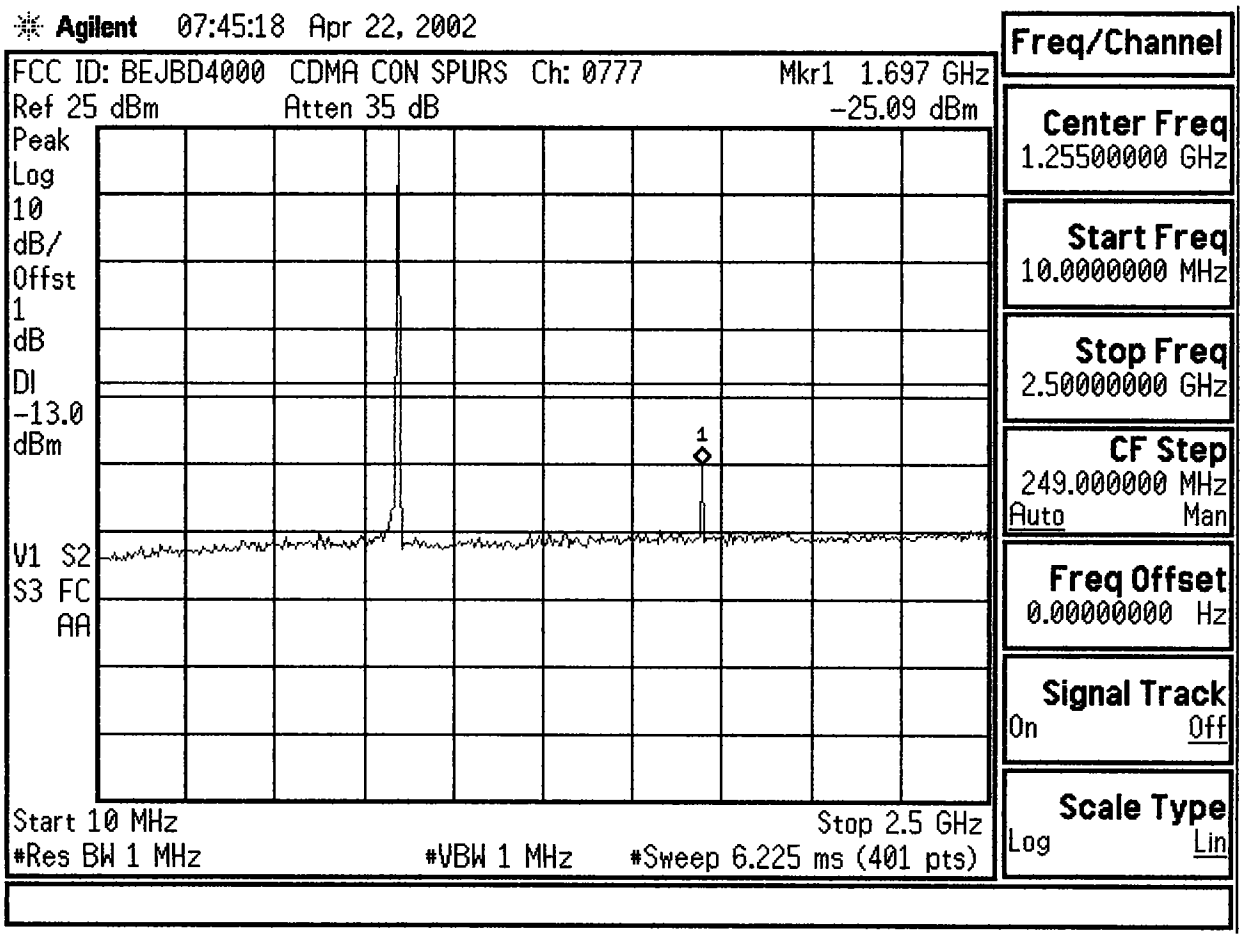

Agilent 07:12:37 Apr 22, 2002
FCC ID: BEJBD4000 FM CON SPURS Ch: 0991
Mkr1 7.45 GHz
Ref 26.5 dBm
Atten 40 dB
-31.85 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

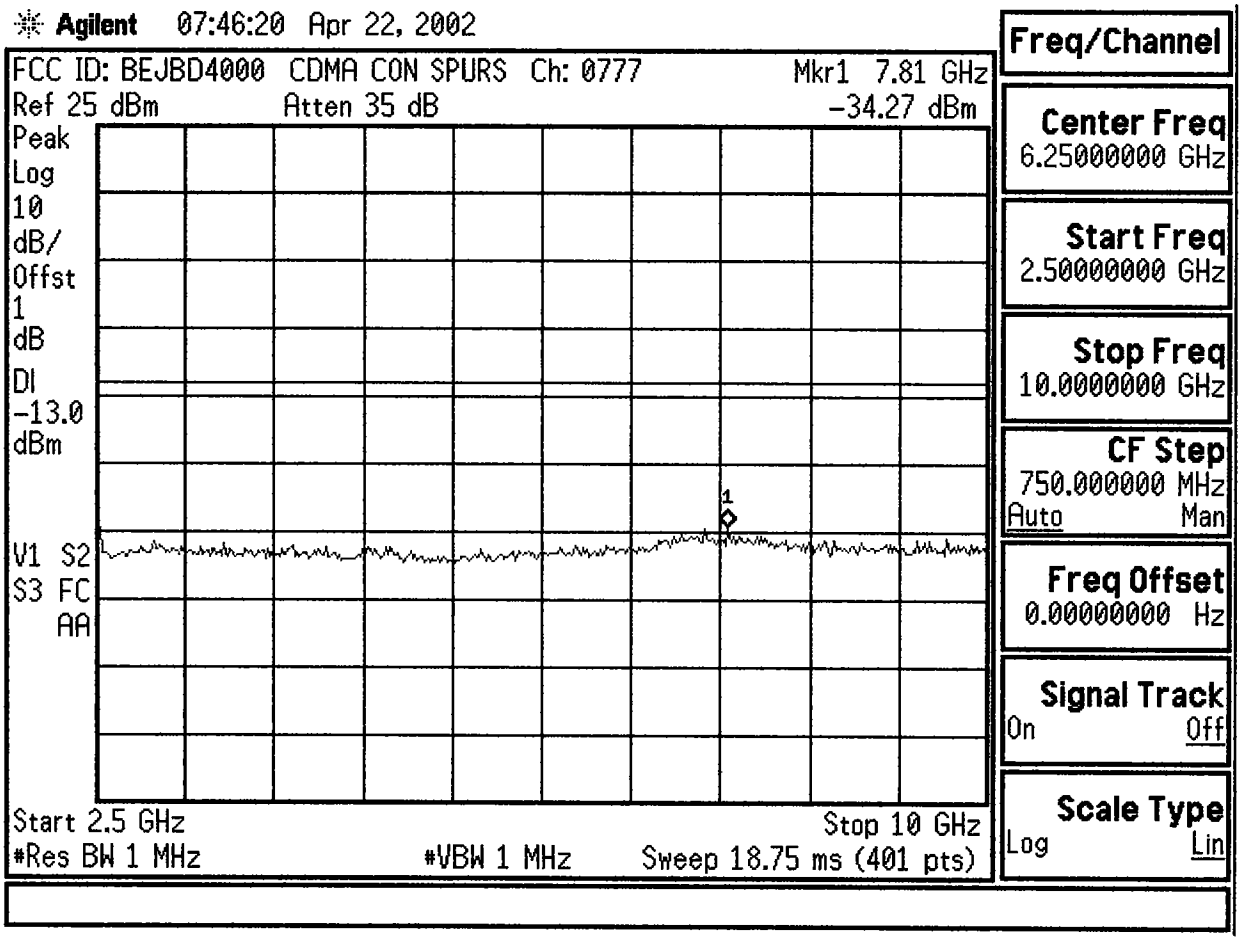

Agilent 07:08:42 Apr 22, 2002
FCC ID: BEJBD4000 FM CON SPURS Ch: 0383
Mkr1 1.672 GHz
Ref 26.5 dBm
Atten 40 dB
-20.88 dBm
Peak
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

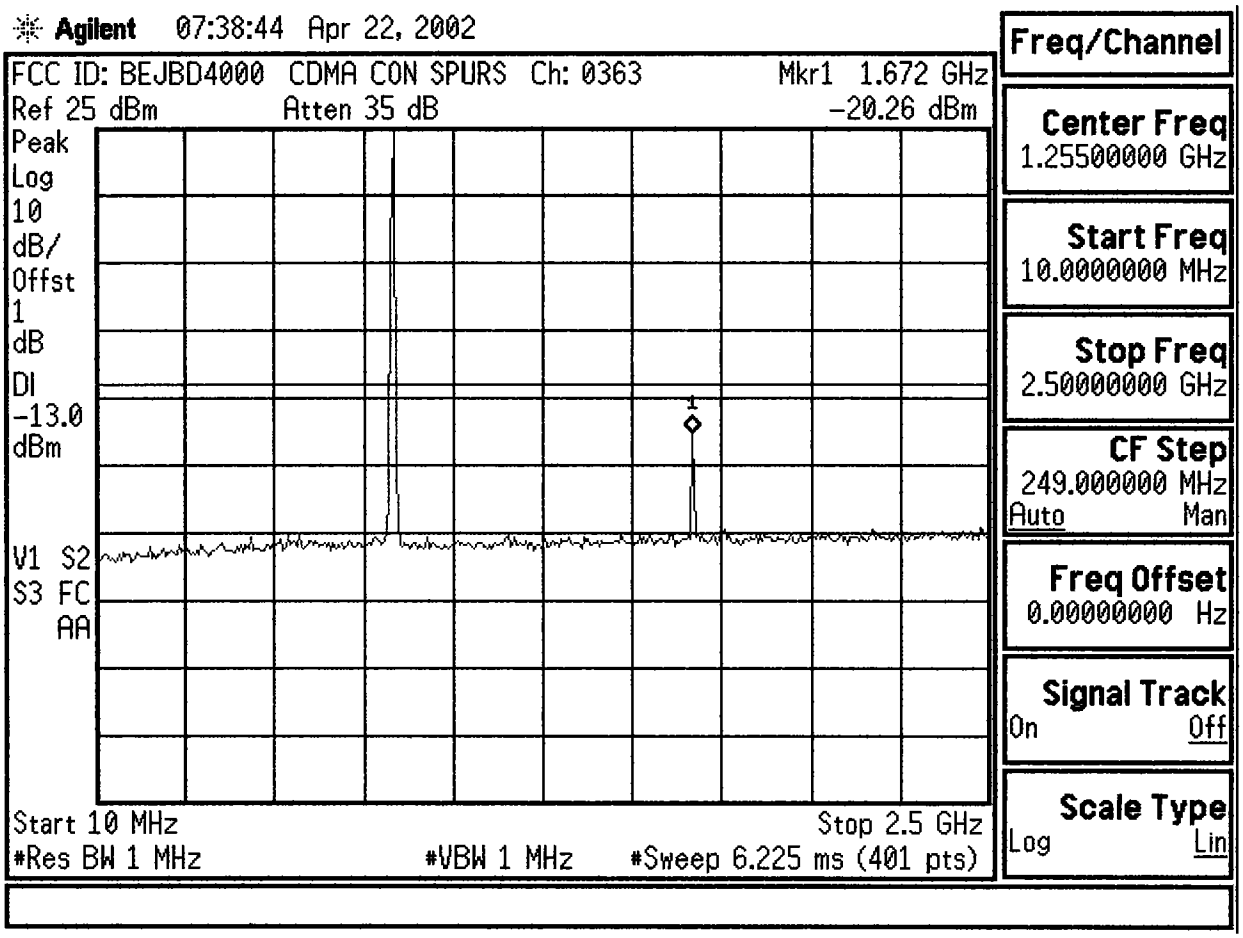

Agilent 07:09:44 Apr 22, 2002
FCC ID: BEJBD4000 FM CON SPURS Ch: 0383
Mkr1 7.88 GHz
Ref 26.5 dBm
Atten 40 dB
-31.35 dBm
Peak
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

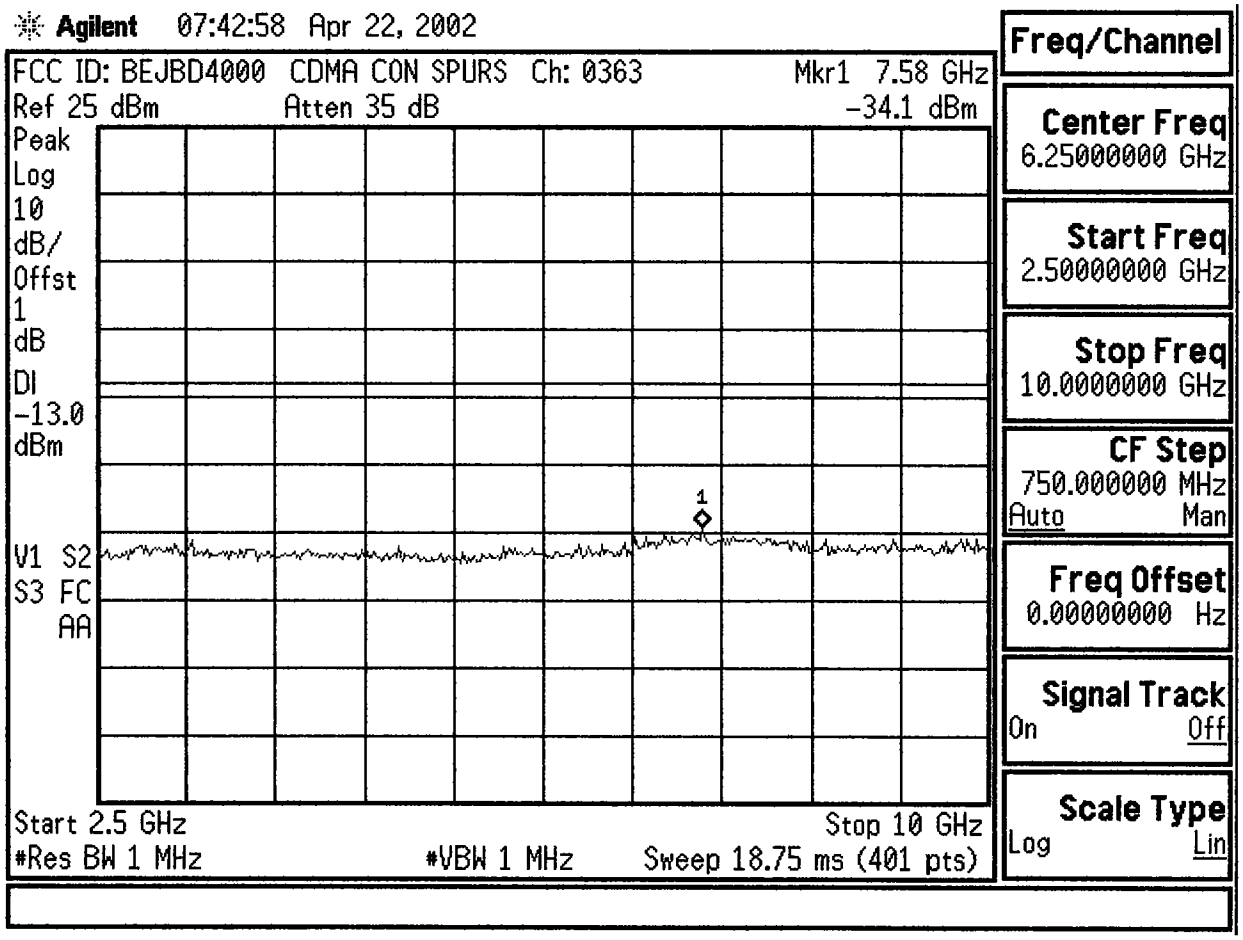

Agilent 07:31:16 Apr 22, 2002
FCC ID: BEJBD4000 CDMA CON SPURS Ch: 1013
Mkr1 1.647 GHz
Ref 25 dBm
Atten 35 dB
-17.63 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

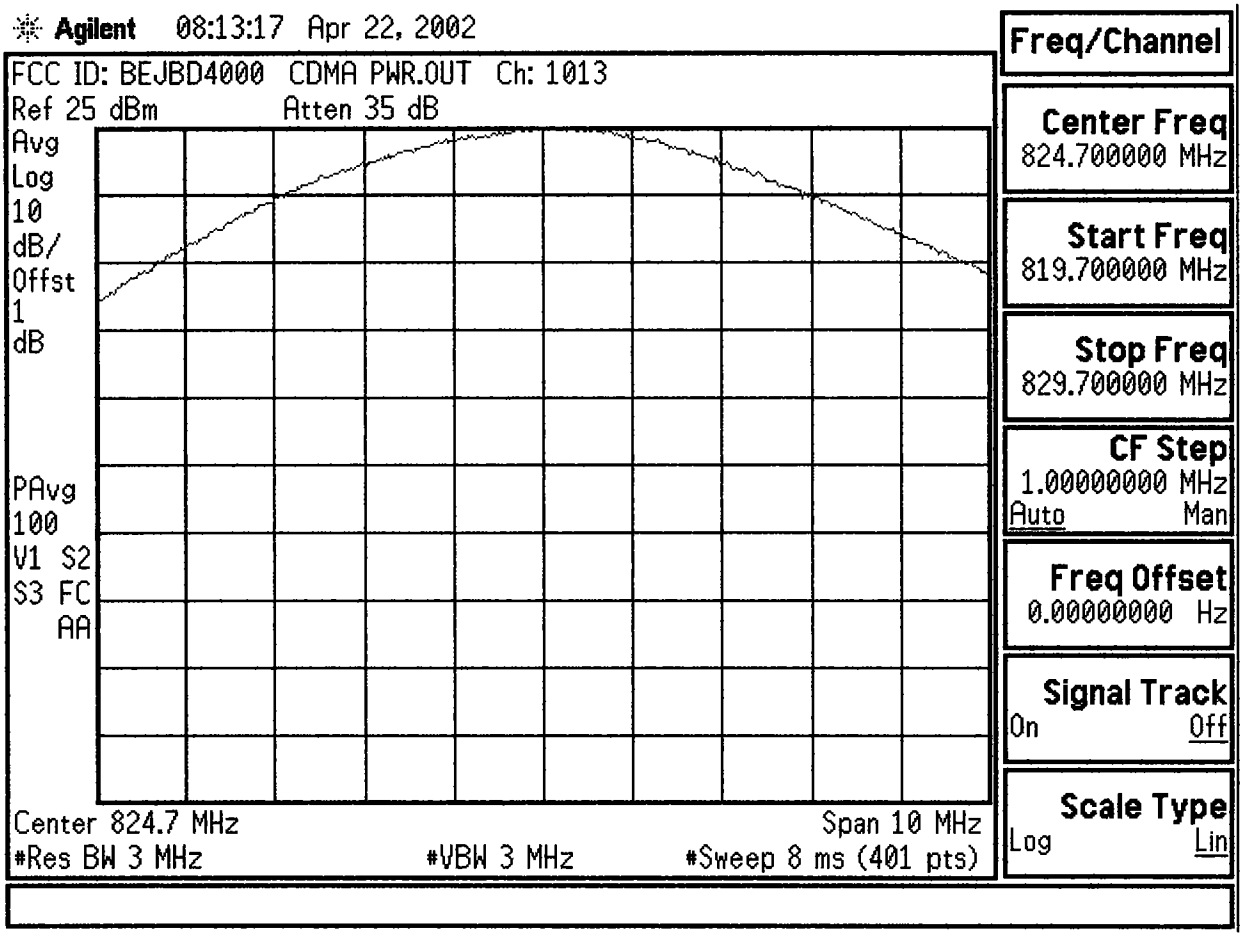

Agilent 07:32:48 Apr 22, 2002
FCC ID: BEJBD4000 CDMA CON SPURS Ch: 1013
Mkr1 7.47 GHz
Ref 25 dBm
Atten 35 dB
-34.36 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

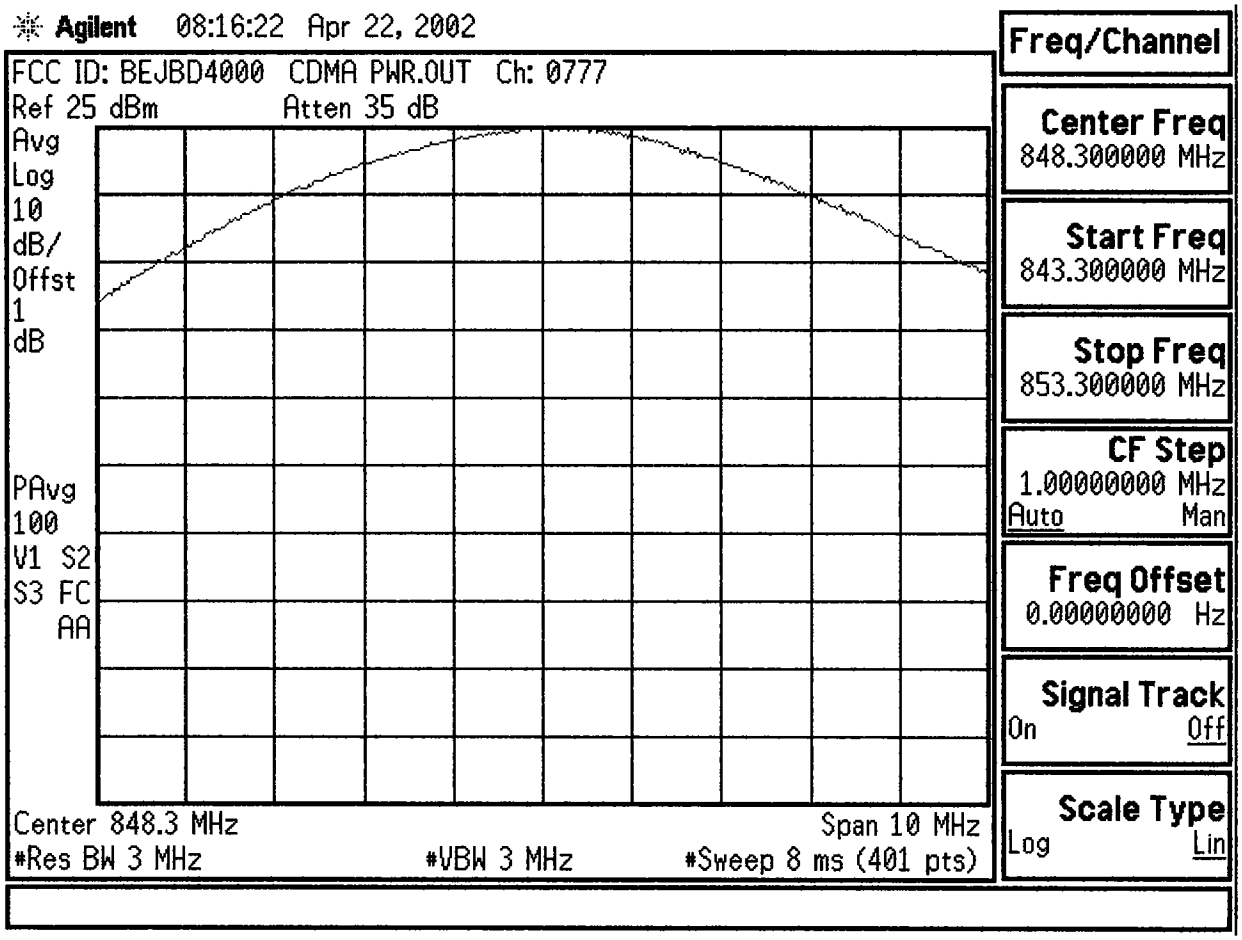

Agilent 07:45:18 Apr 22, 2002
FCC ID: BEJBD4000 CDMA CON SPURS Ch: 0777
Mkr1 1.697 GHz
Ref 25 dBm
Atten 35 dB
-25.09 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

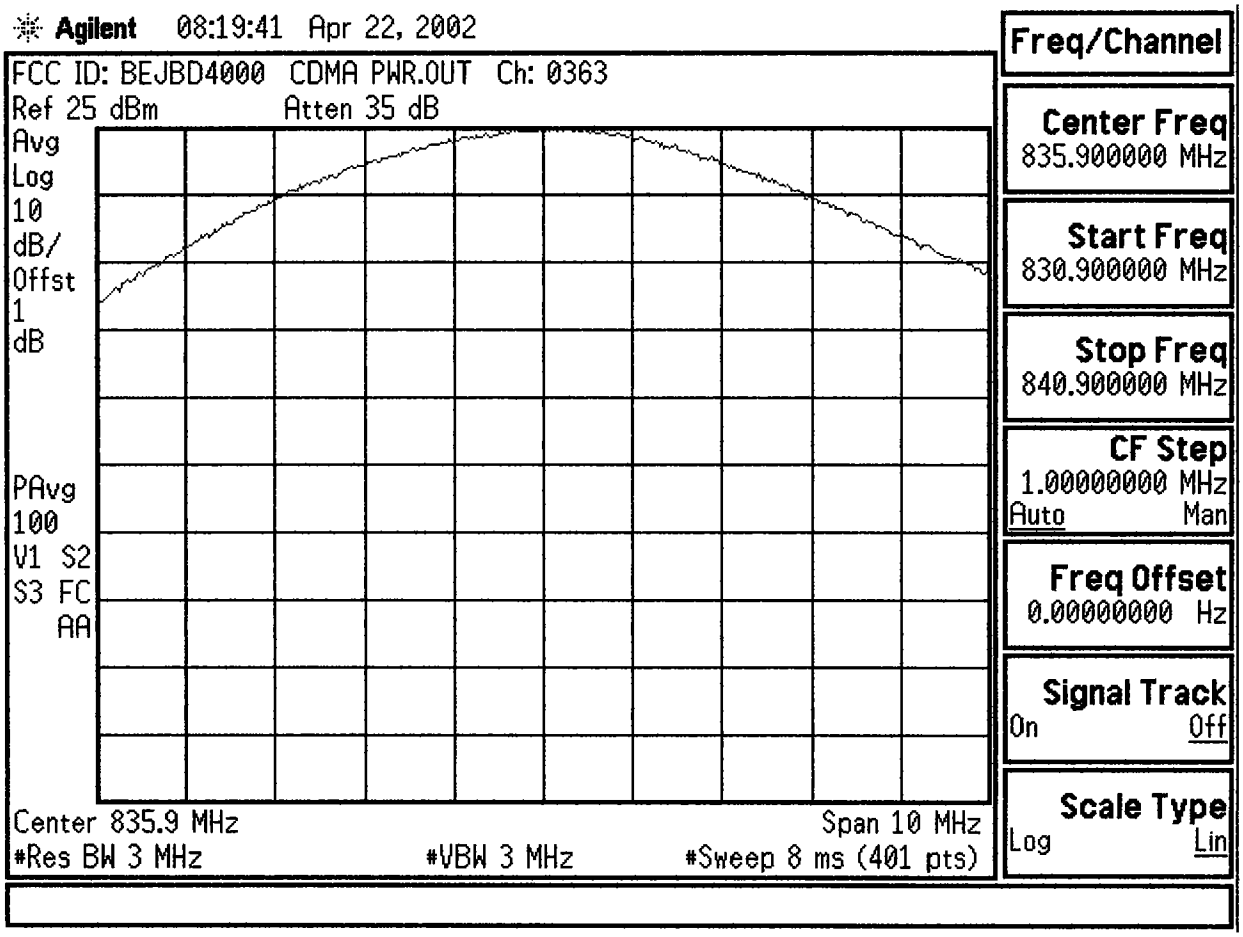

Agilent 07:46:20 Apr 22, 2002
FCC ID: BEJBD4000 CDMA CON SPURS Ch: 0777
Mkr1 7.81 GHz
Ref 25 dBm
Atten 35 dB
-34.27 dBm
Peak
Log
10
dB/
Offst
1
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

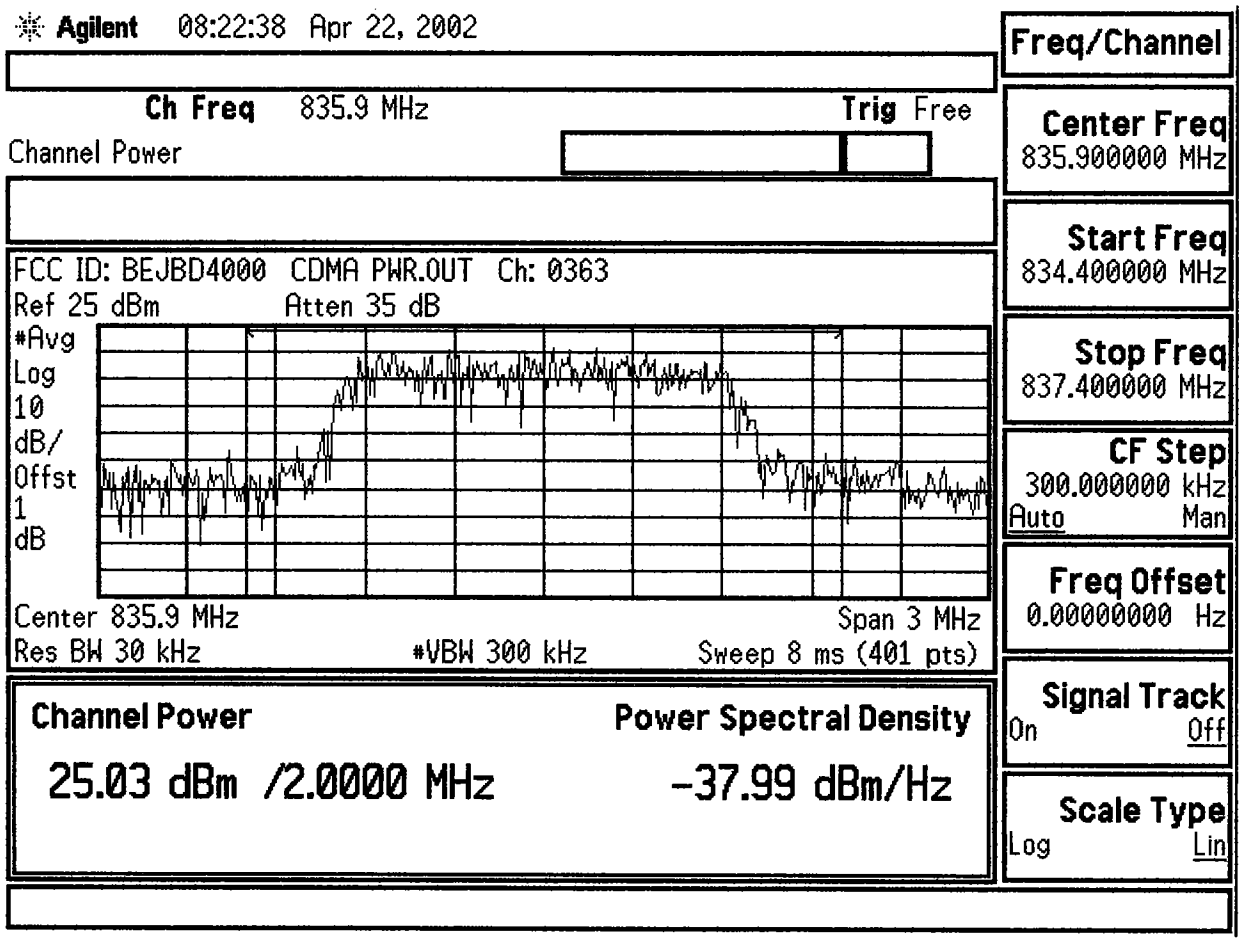

Agilent 07:38:44 Apr 22, 2002
FCC ID: BEJBD4000 CDMA CON SPURS Ch: 0363
Mkr1 1.672 GHz
Ref 25 dBm
Atten 35 dB
-20.26 dBm
Peak
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

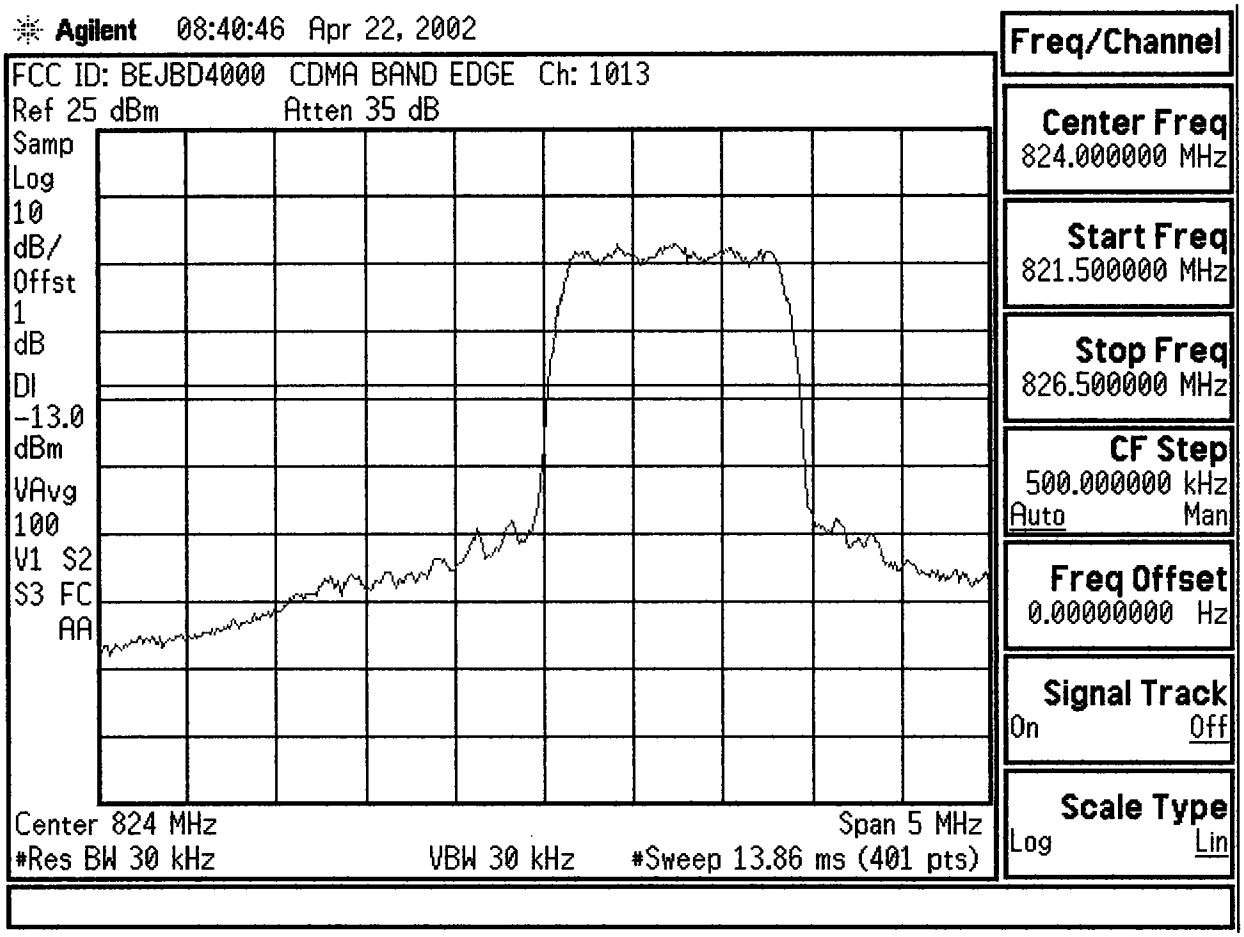

Agilent 07:42:58 Apr 22, 2002
FCC ID: BEJBD4000 CDMA CON SPURS Ch: 0363
Mkr1 7.58 GHz
Ref 25 dBm
Atten 35 dB
-34.1 dBm
Peak
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin


Agilent 08:13:17 Apr 22, 2002
FCC ID: BEJBD4000 CDMA PWR.OUT Ch: 1013
Ref 25 dBm Atten 35 dB
Avg
Log
10
dB/
Offst
1
dB
PAvg
100
V1 S2
S3 FC
AA
Center 824.7 MHz
Span 10 MHz
#Res BW 3 MHz
#VBW 3 MHz
#Sweep 8 ms (401 pts)
Freq/Channel
Center Freq
824.700000 MHz
Start Freq
819.700000 MHz
Stop Freq
829.700000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin


Agilent 08:16:22 Apr 22, 2002
FCC ID: BEJBD4000 CDMA PWR.OUT Ch: 0777
Ref 25 dBm Atten 35 dB
Avg
Log
10
dB/
Offst
1
dB
PAvg
100
V1 S2
S3 FC
AA
Center 848.3 MHz
Span 10 MHz
#Res BW 3 MHz
#VBW 3 MHz
#Sweep 8 ms (401 pts)
Freq/Channel
Center Freq
848.300000 MHz
Start Freq
843.300000 MHz
Stop Freq
853.300000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin


Agilent 08:19:41 Apr 22, 2002
FCC ID: BEJBD4000 CDMA PWR.OUT Ch: 0363
Ref 25 dBm Atten 35 dB
Avg
Log
10
dB/
Offst
1
dB
PAvg
100
V1 S2
S3 FC
AA
Center 835.9 MHz
Span 10 MHz
#Res BW 3 MHz
#VBW 3 MHz
#Sweep 8 ms (401 pts)
Freq/Channel
Center Freq
835.900000 MHz
Start Freq
830.900000 MHz
Stop Freq
840.900000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin


Agilent 08:22:38 Apr 22, 2002
Ch Freq 835.9 MHz
Trig Free
Channel Power
FCC ID: BEJBD4000 CDMA PWR.OUT Ch: 0363
Ref 25 dBm Atten 35 dB
#Avg
Log
10
dB/
Offst
1
dB
Center 835.9 MHz
Span 3 MHz
Res BW 30 kHz
#VBW 300 kHz
Sweep 8 ms (401 pts)
Channel Power
25.03 dBm /2.0000 MHz
Power Spectral Density
-37.99 dBm/Hz
Freq/Channel
Center Freq
835.900000 MHz
Start Freq
834.400000 MHz
Stop Freq
837.400000 MHz
CF Step
300.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin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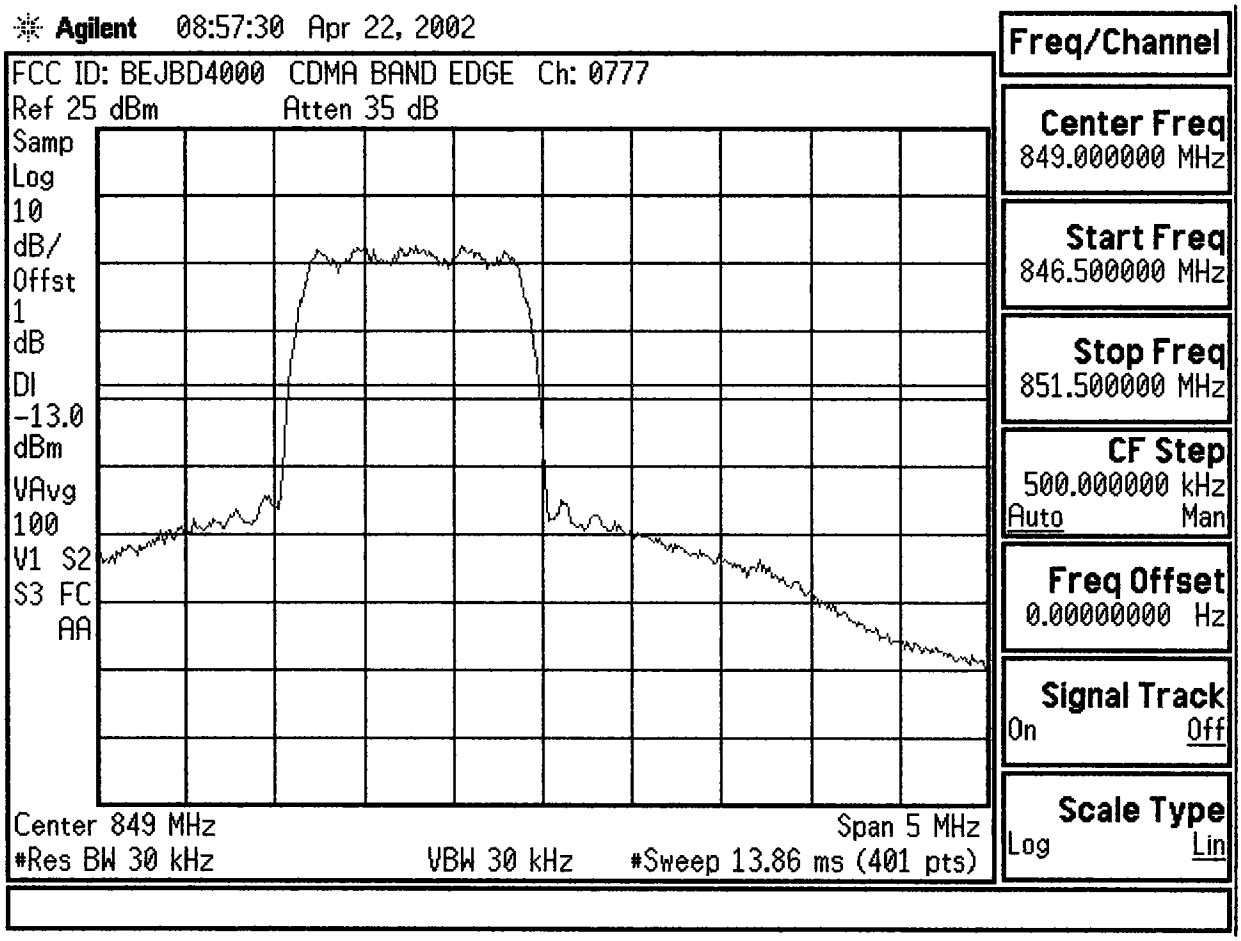
FCC ID: BEJBD4000 CDMA BAND EDGE Ch: 1013
Ref 25 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 824 MHz
Span 5 MHz
#Res BW 30 kHz
VBW 30 kHz
#Sweep 13.86 ms (401 pts)
Freq/Channel
Center Freq
824.000000 MHz
Start Freq
821.500000 MHz
Stop Freq
826.500000 MHz
CF Step
500.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

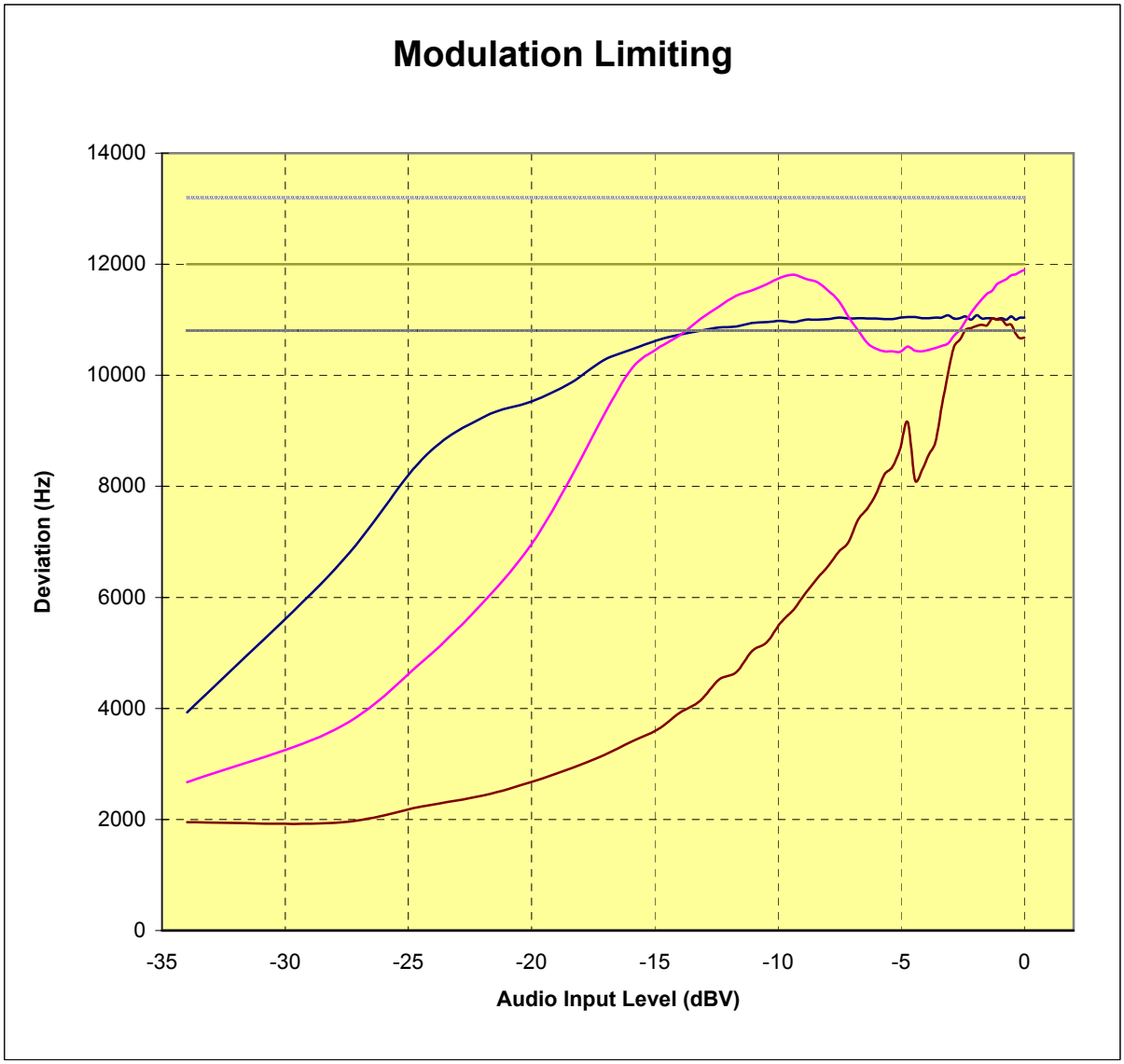

Agilent 08:57:30 Apr 22, 2002
FCC ID: BEJBD4000 CDMA BAND EDGE Ch: 0777
Ref 25 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 849 MHz
Span 5 MHz
#Res BW 30 kHz
VBW 30 kHz
#Sweep 13.86 ms (401 pts)
Freq/Channel
Center Freq
849.000000 MHz
Start Freq
846.500000 MHz
Stop Freq
851.500000 MHz
CF Step
500.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.220325204.BEJ
Test Date: 03.29-30.2002

EUT: LGE Dual-Mode Cellular Phone (AMPS/CDMA)
Model: *LG-BD4000*
FCC ID: **BEJBD4000**

REFERENCE: 1 kHz = 0 dB



SUBJECT: Modulation Characteristics
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Test Report No.: 22.220325204.BEJ
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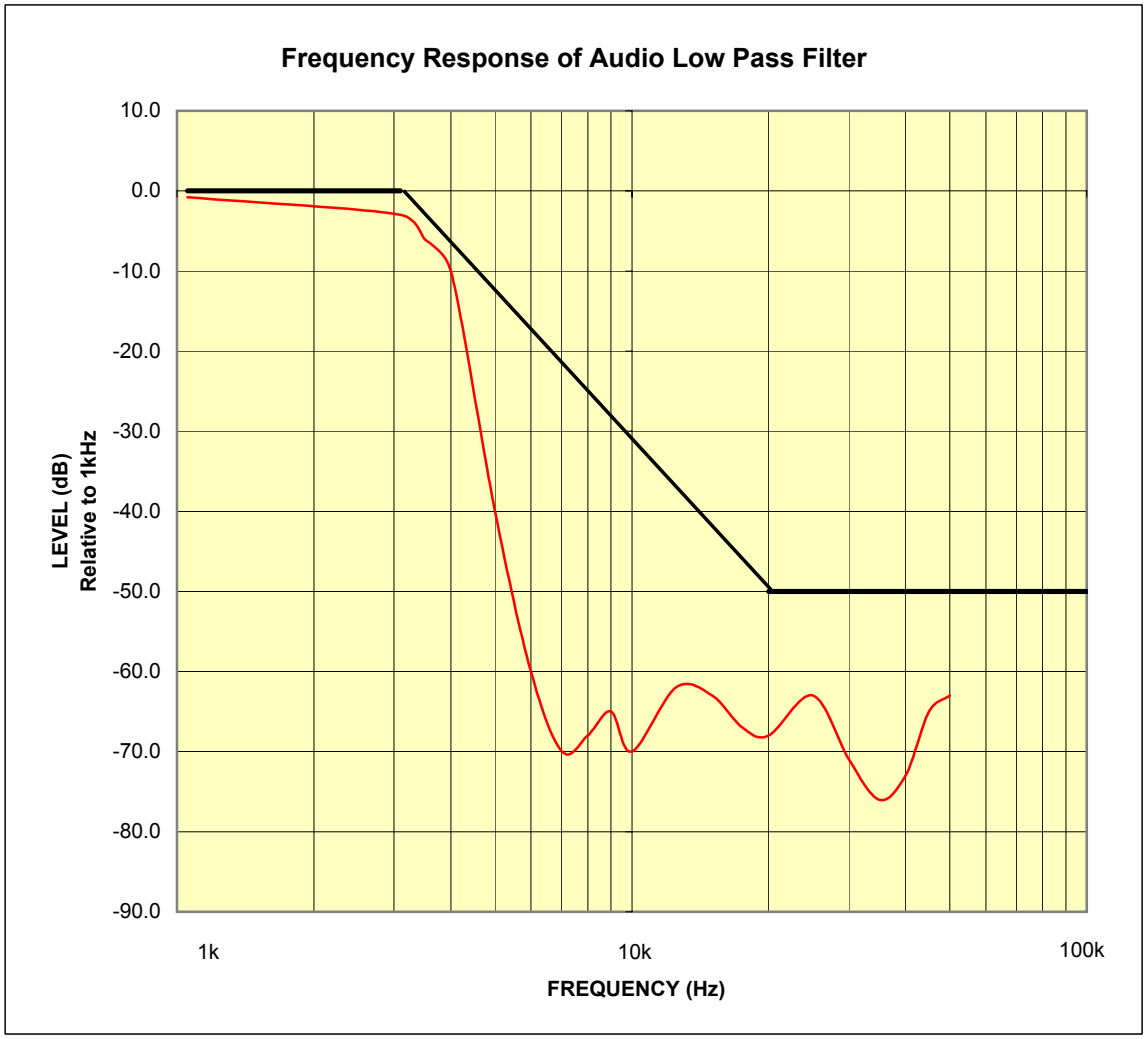

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.220325204.BEJ
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EUT: LGE Dual-Mode Cellular Phone (AMPS/CDMA)
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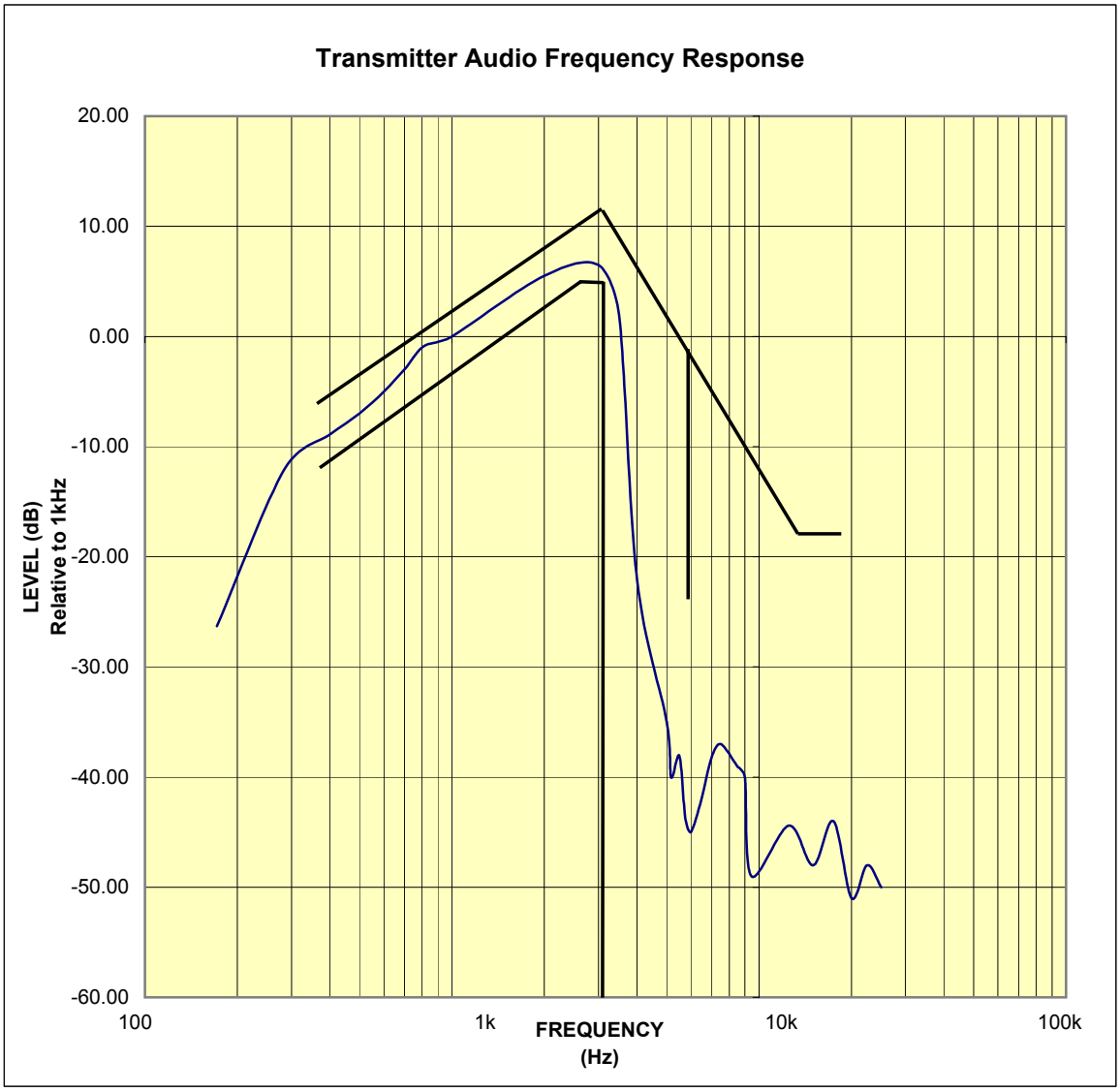
FCC ID: **BEJBD4000**

REFERENCE: 1 kHz = 0 dB