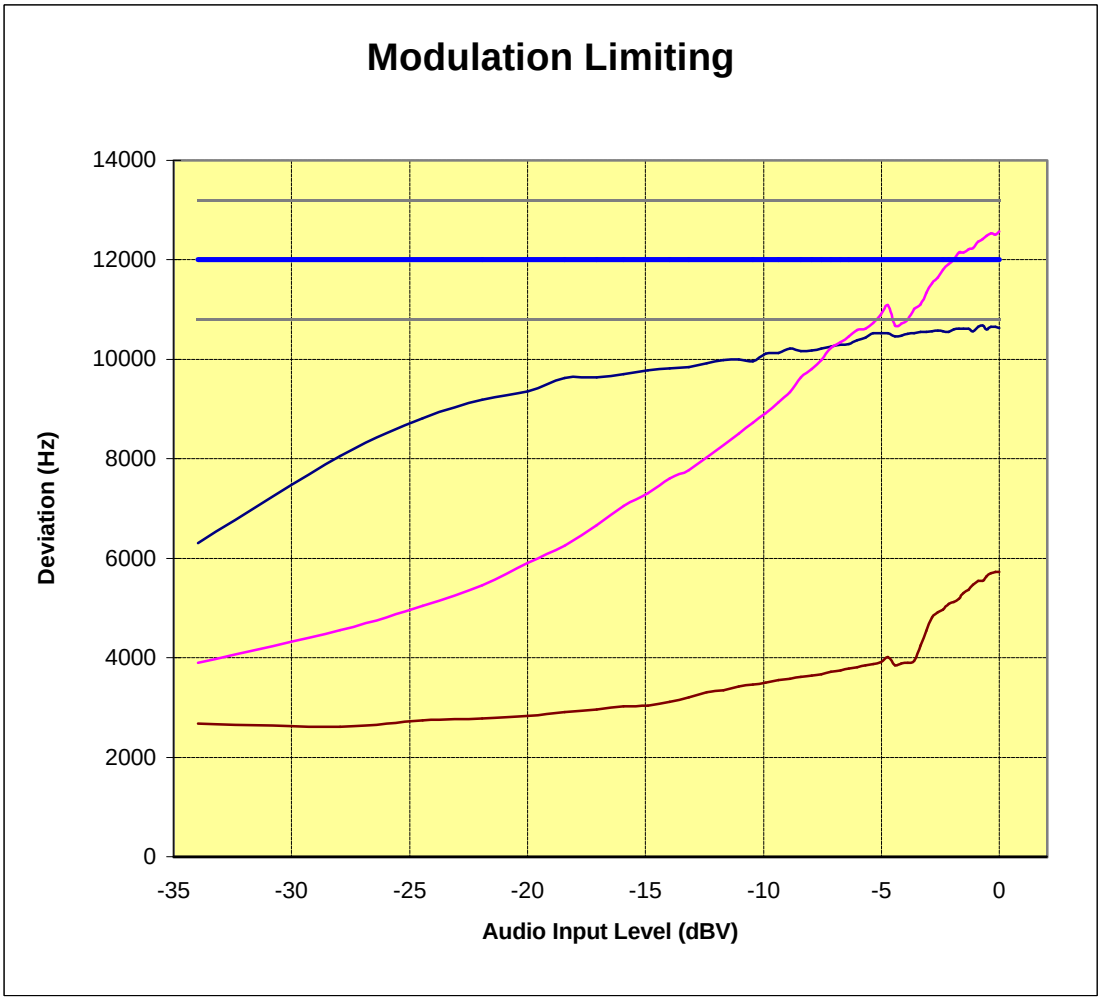
| | | | |
|---|---|---|---|
| **SUBJECT:** | Modulation Characteristics | Test Report No.: | 22.210305119.BEJ |
| | FCC Part 22 | Test Date: | 03.08.2001 |

**EUT:** *LGE* Dual-Mode Cellular Phone (AMPS/CDMA)
**Model:** *LG-DM210*
**FCC ID:** **BEJDM120**

**REFERENCE:** 1 kHz = 0 dB



| | | | |
|---|---|---|---|
| **SUBJECT:** | Modulation Characteristics | Test Report No.: | 22.210305119.BEJ |
| | FCC Part 22 | Test Date: | 03.08.2001 |

**EUT:** *LGE* Dual-Mode Cellular Phone (AMPS/CDMA)
**Model:** *LG-DM210*
**FCC ID:** **BEJDM120**

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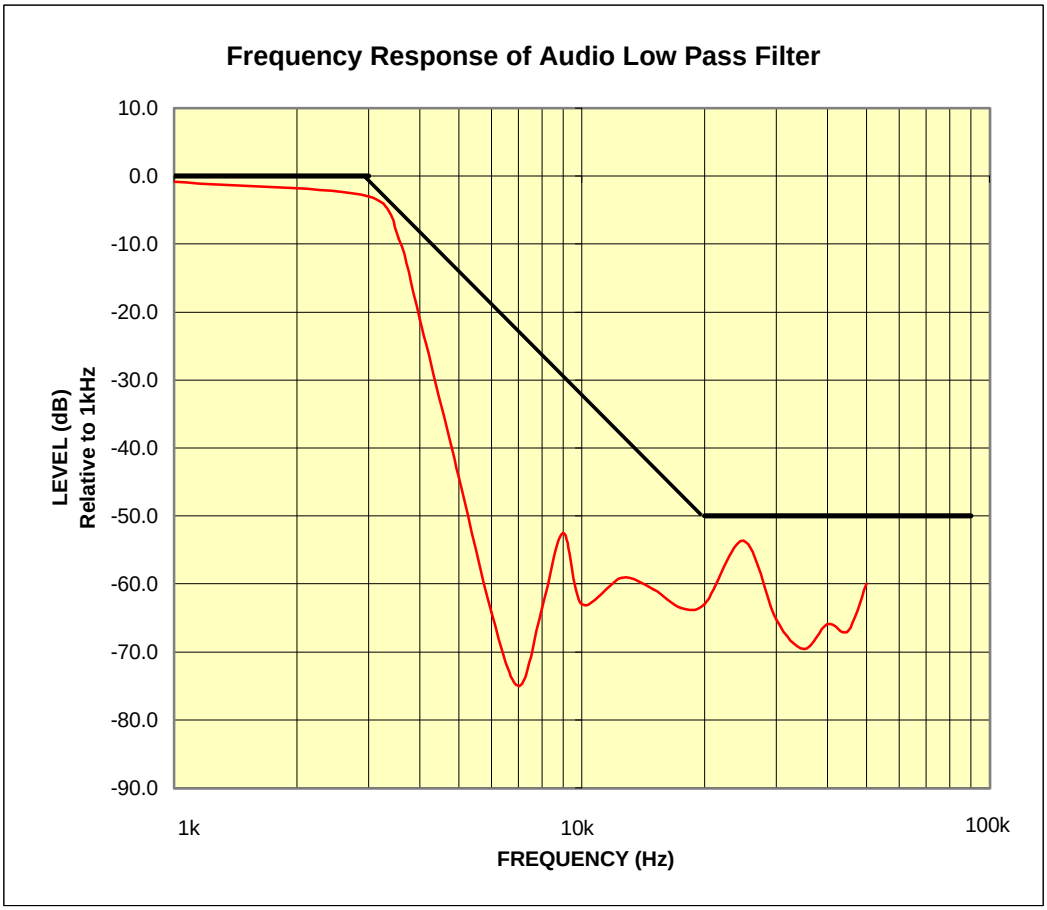
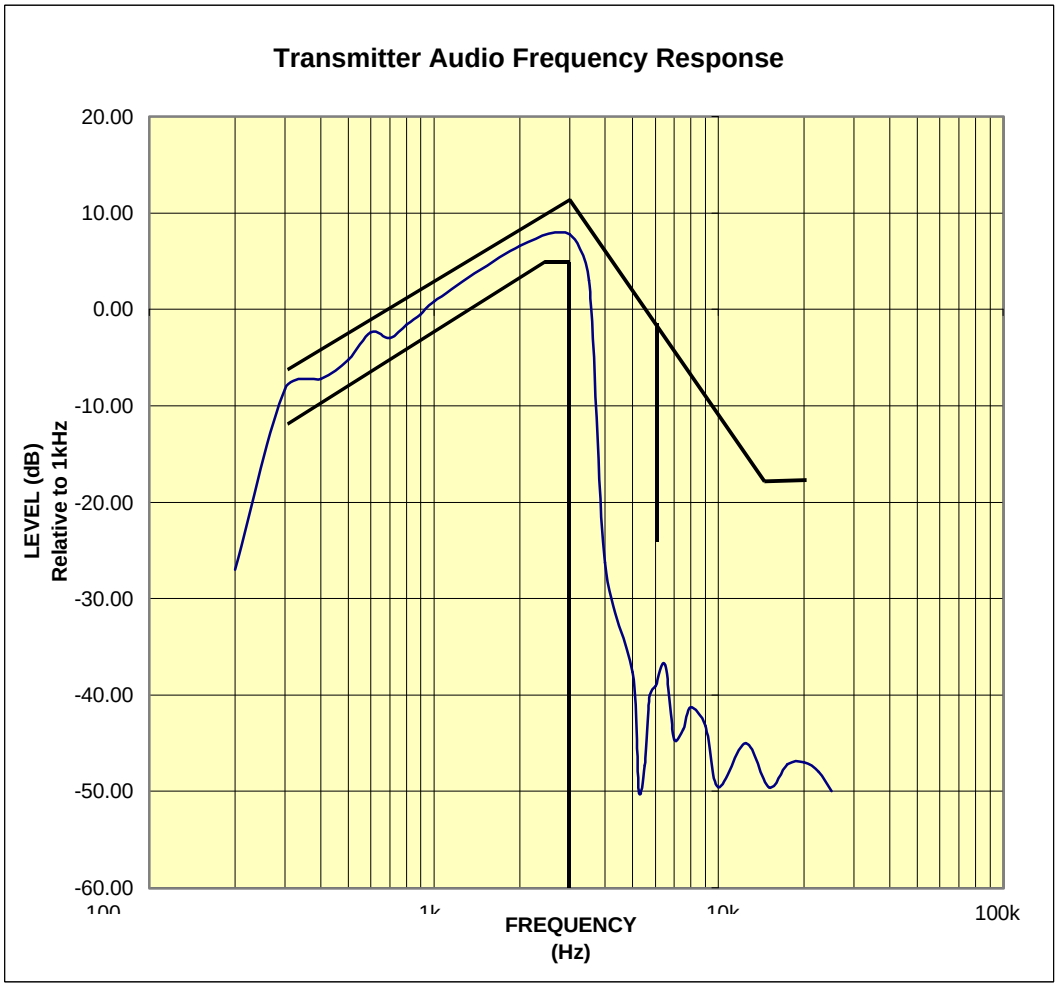


**SUBJECT:** Modulation Characteristics
FCC Part 22

Test Report No.: 22.210305119.BEJ
Test Date: 03.08.2001

**EUT:** *LGE* Dual-Mode Cellular Phone (AMPS/CDMA)
**Model:** *LG-DM210*
**FCC ID:** **BEJDM120**

**REFERENCE:** 1 kHz = 0 dB

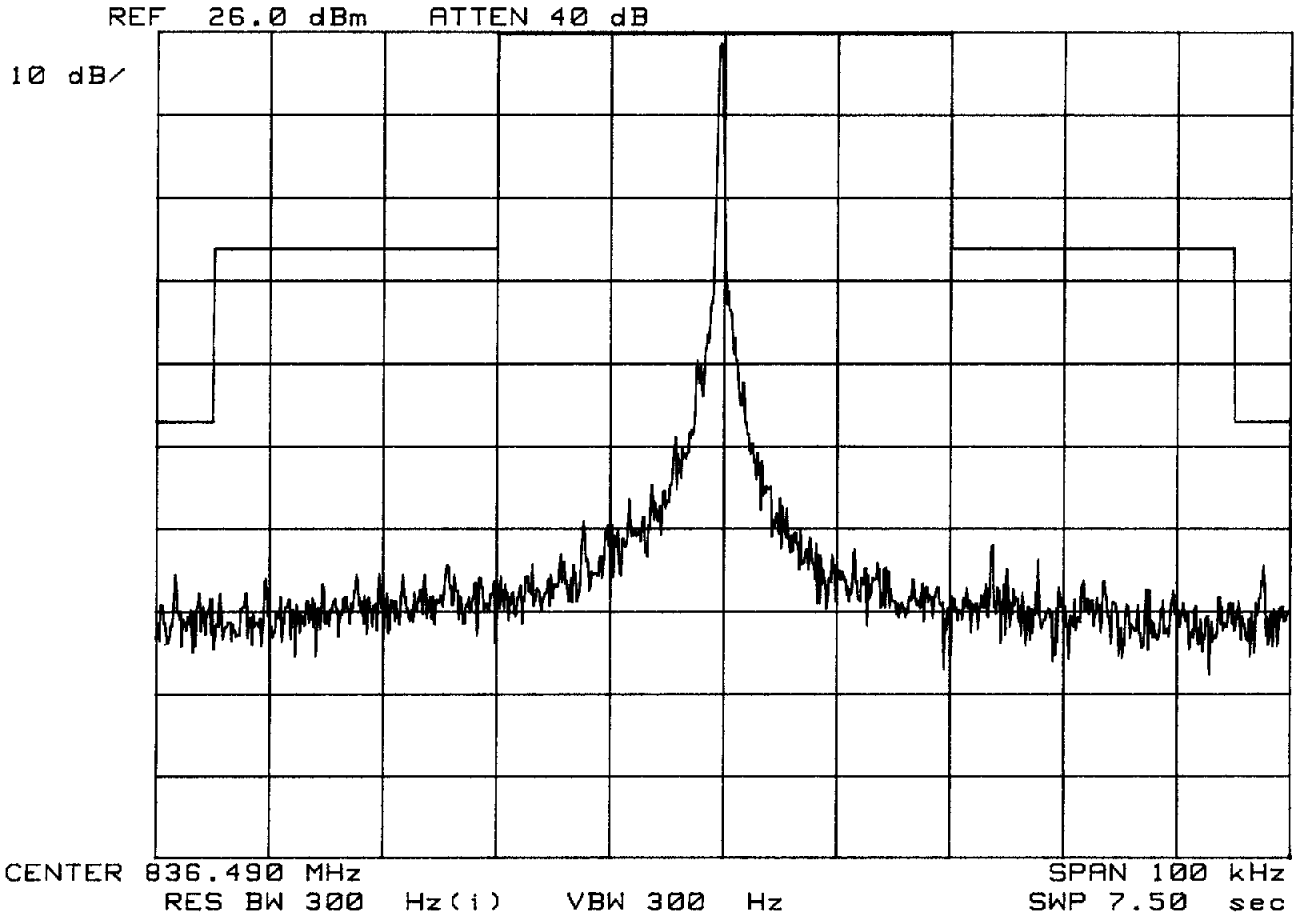


# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJDM120
LG Electonics
Dual Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.0 dBm

Test Mode:Unmodulated Signal

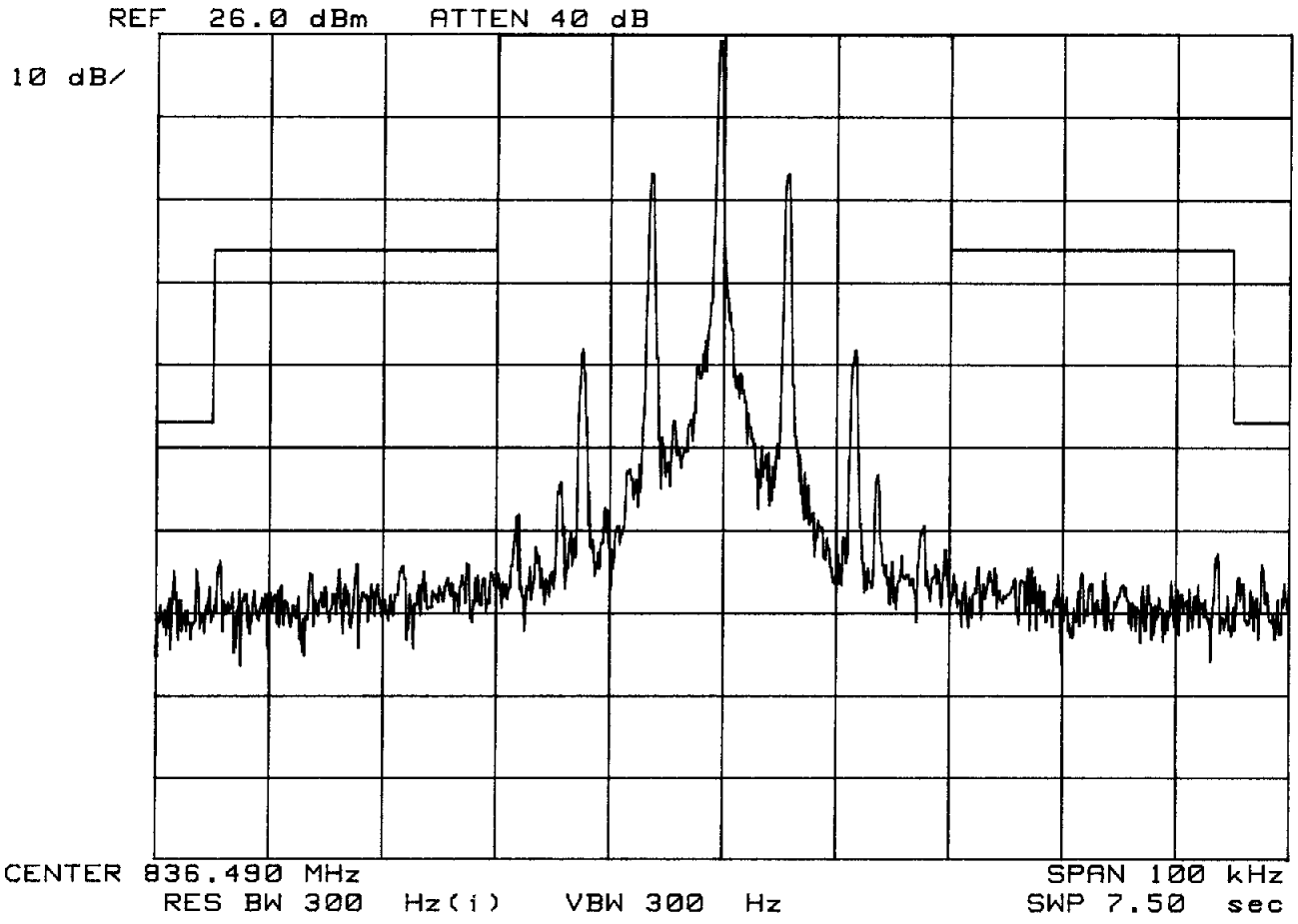


# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJDM120
LG Electonics
Dual Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.0 dBm

Test Mode:SAT

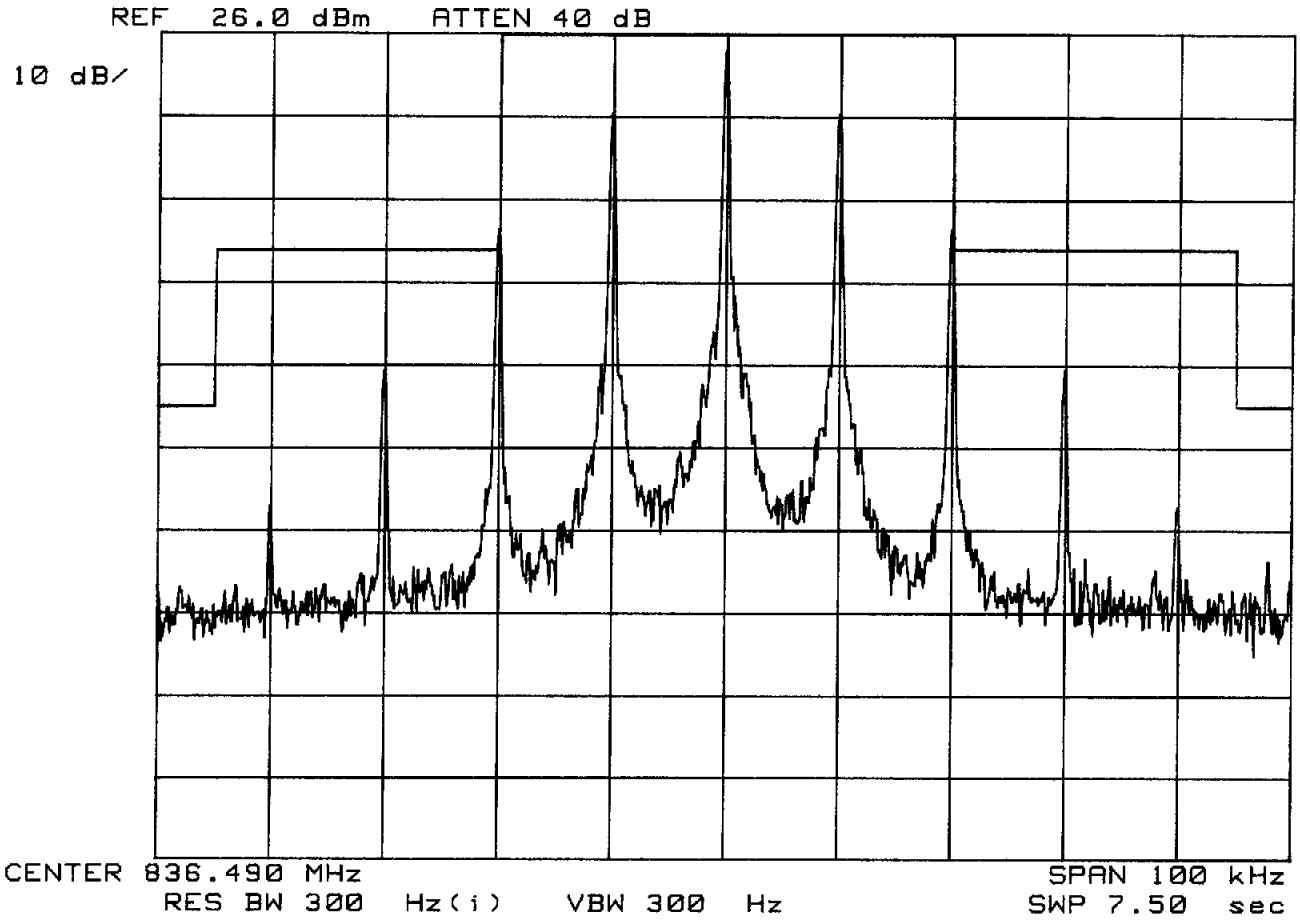


# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJDM120
LG Electonics
Dual Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.0 dBm

Test Mode:ST

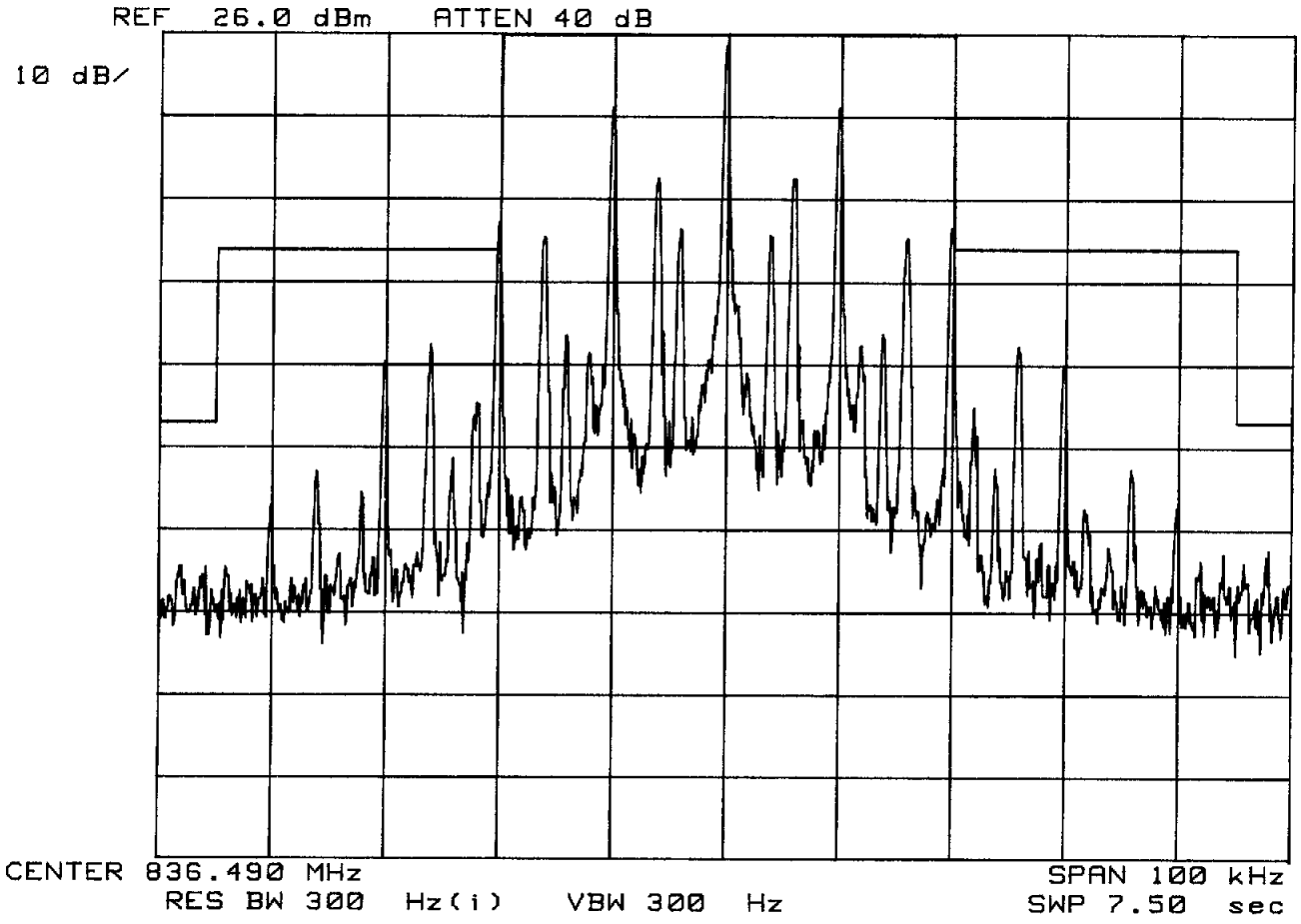


# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJDM120
LG Electonics
Dual Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.0 dBm

Test Mode:SAT + ST

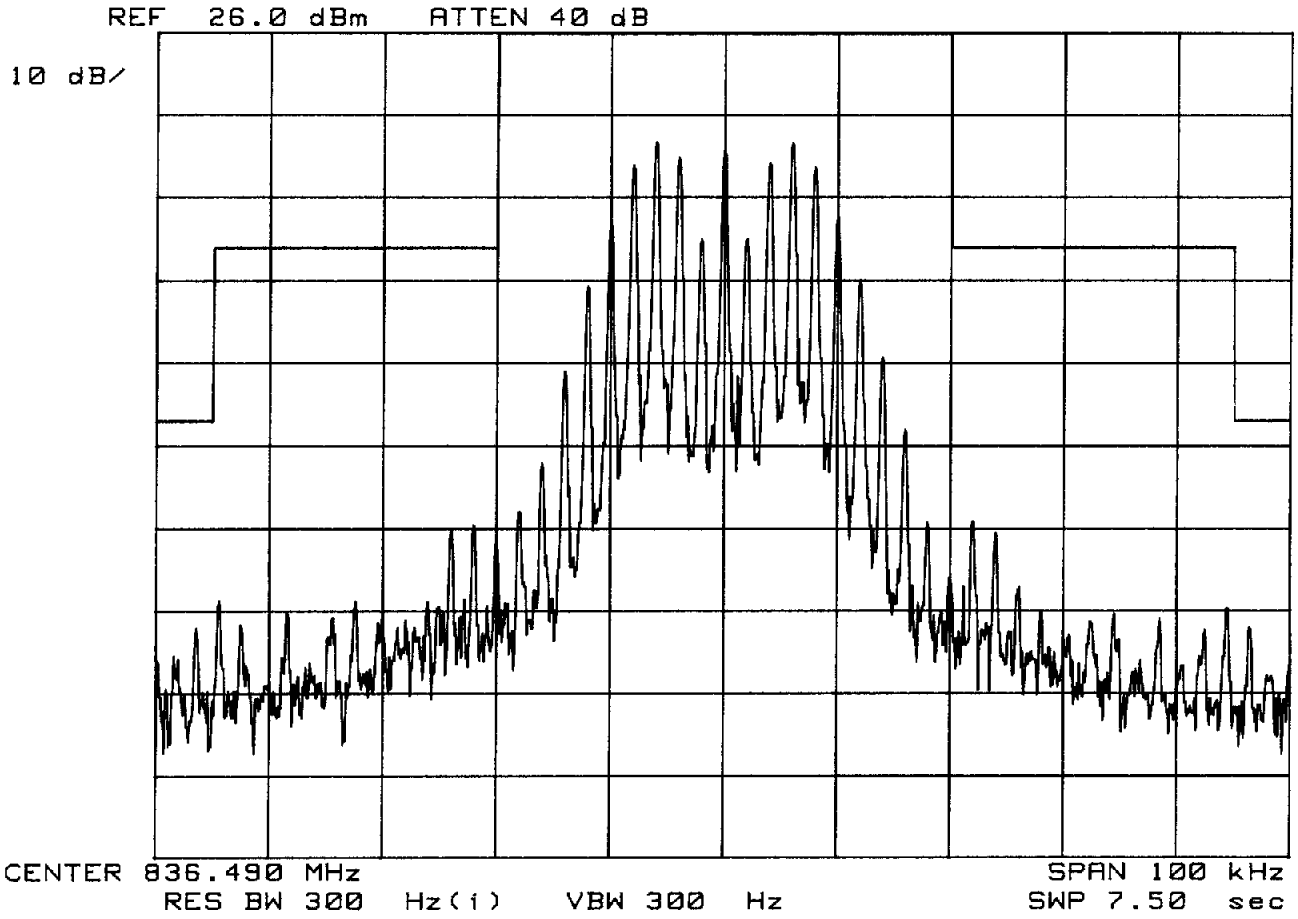


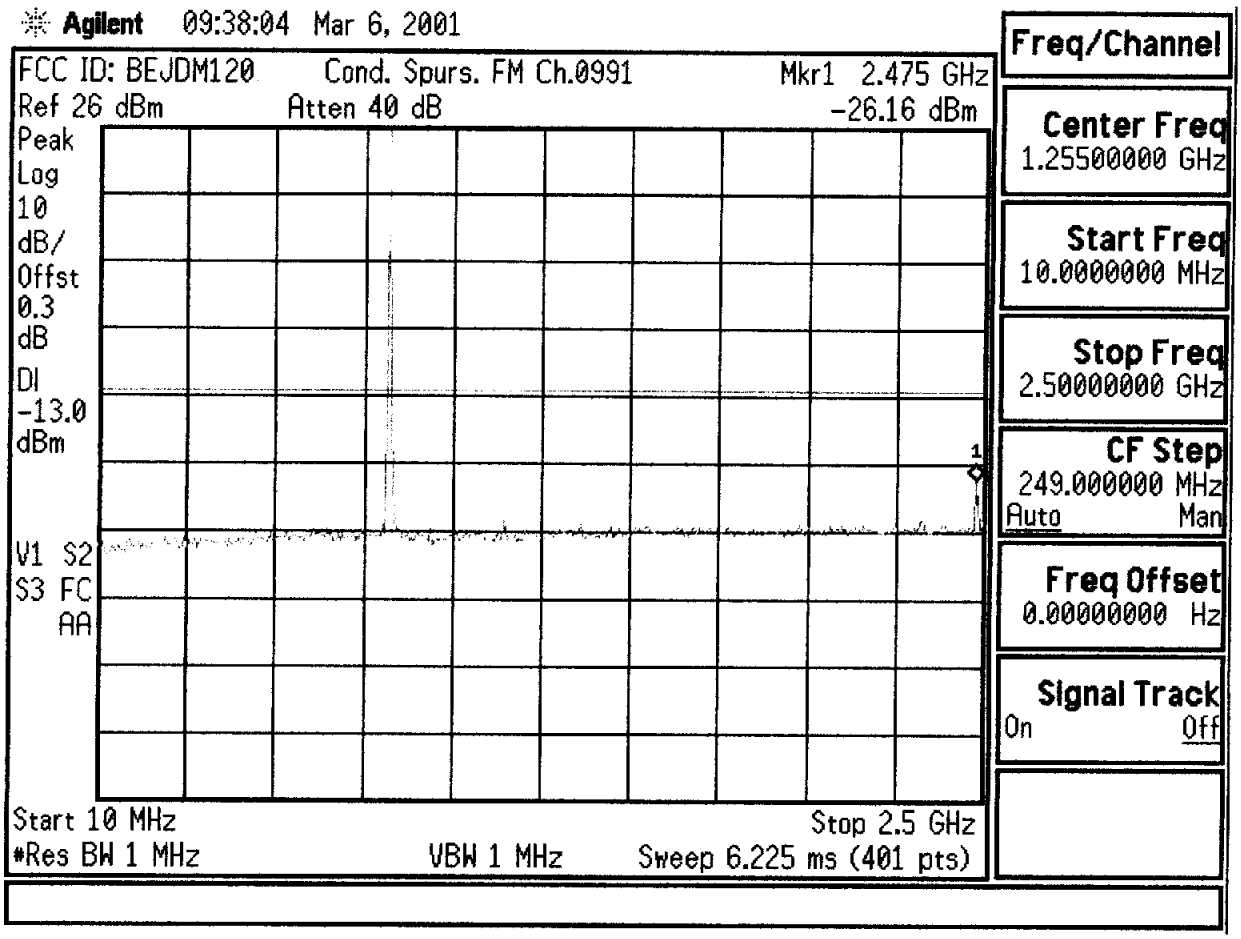
# PCTEST Engineering Lab.

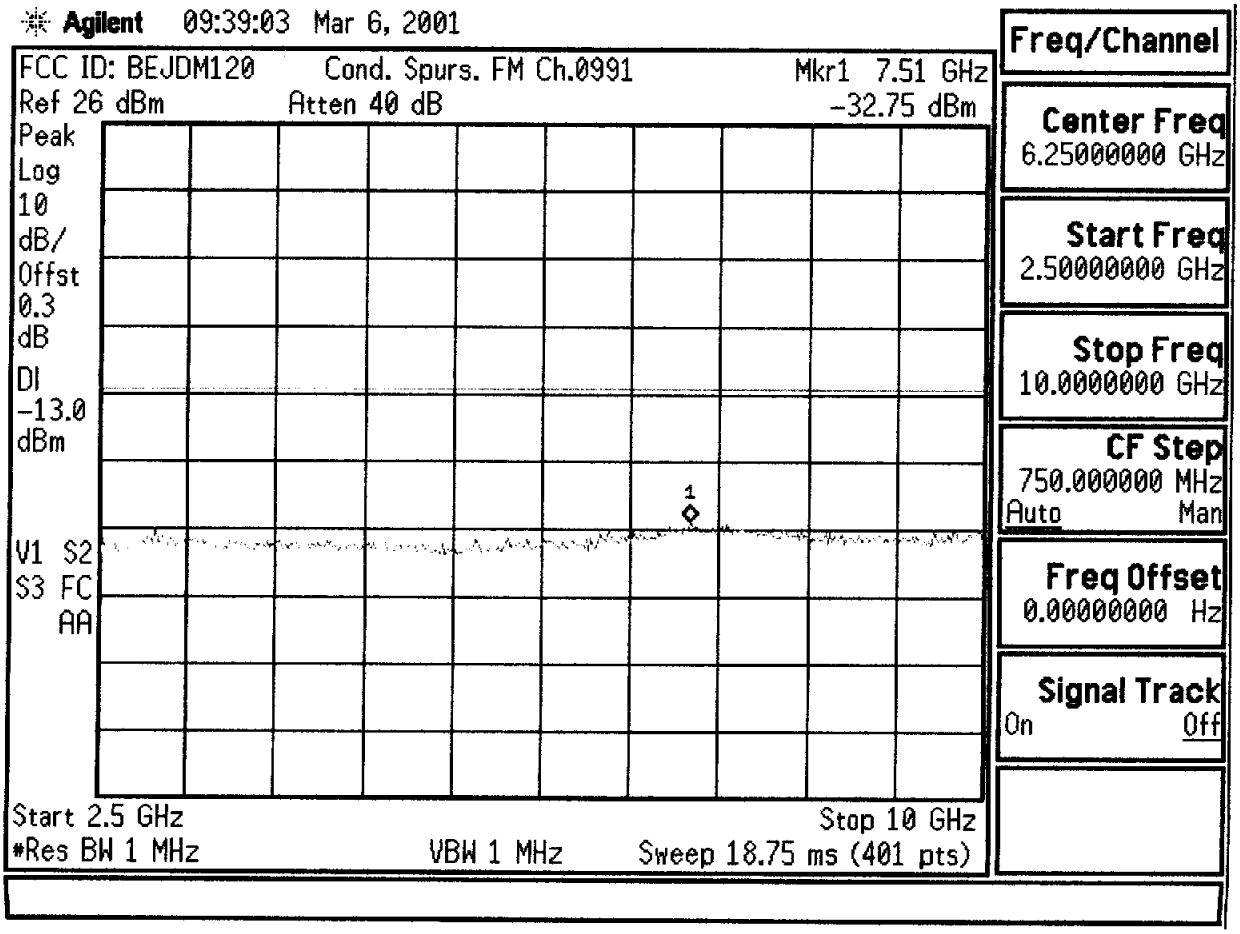
## SPECTRUM ANALYZER PRESENTATION

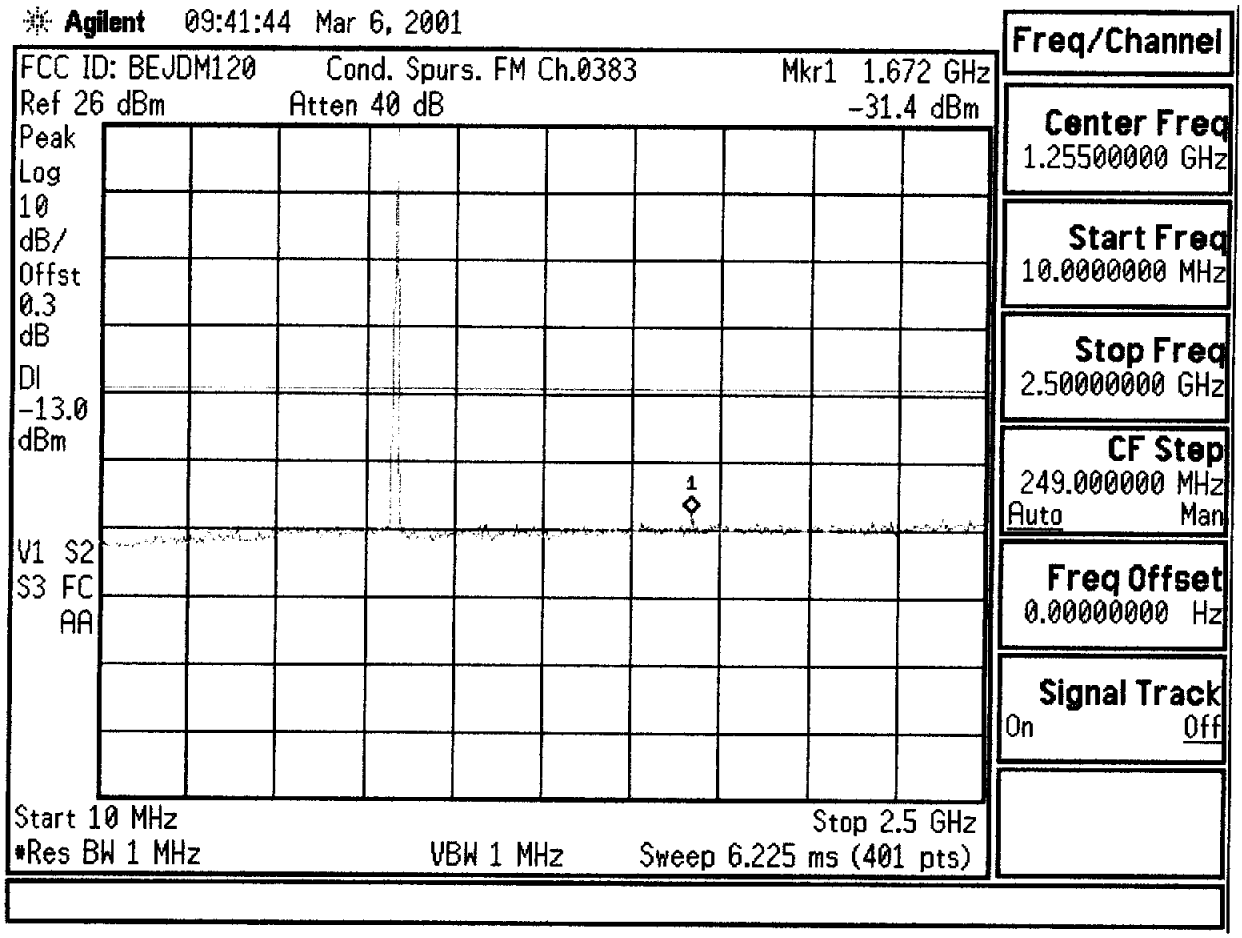
FCC ID:BEJDM120
LG Electonics
Dual Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.0 dBm

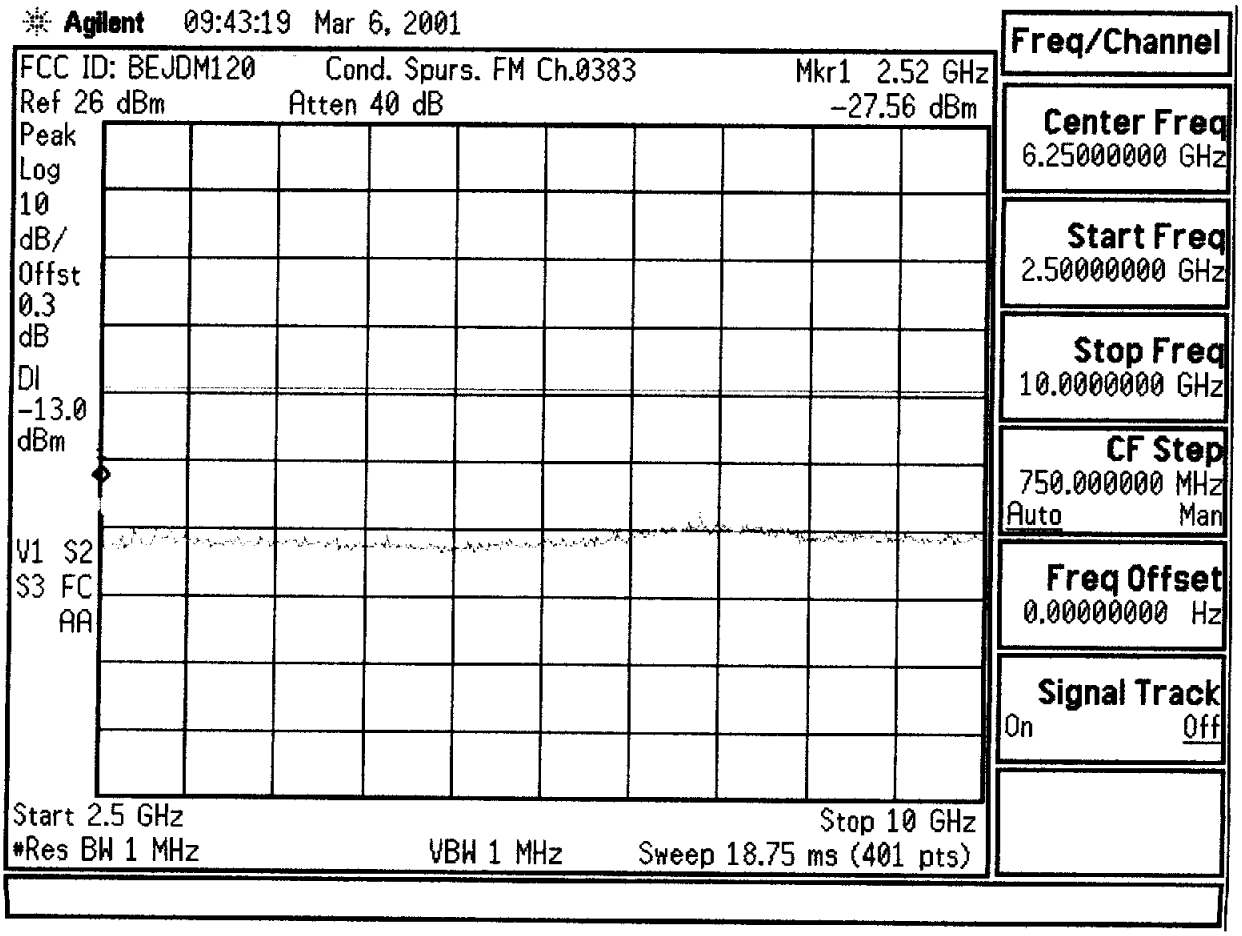
Test Mode:Voice

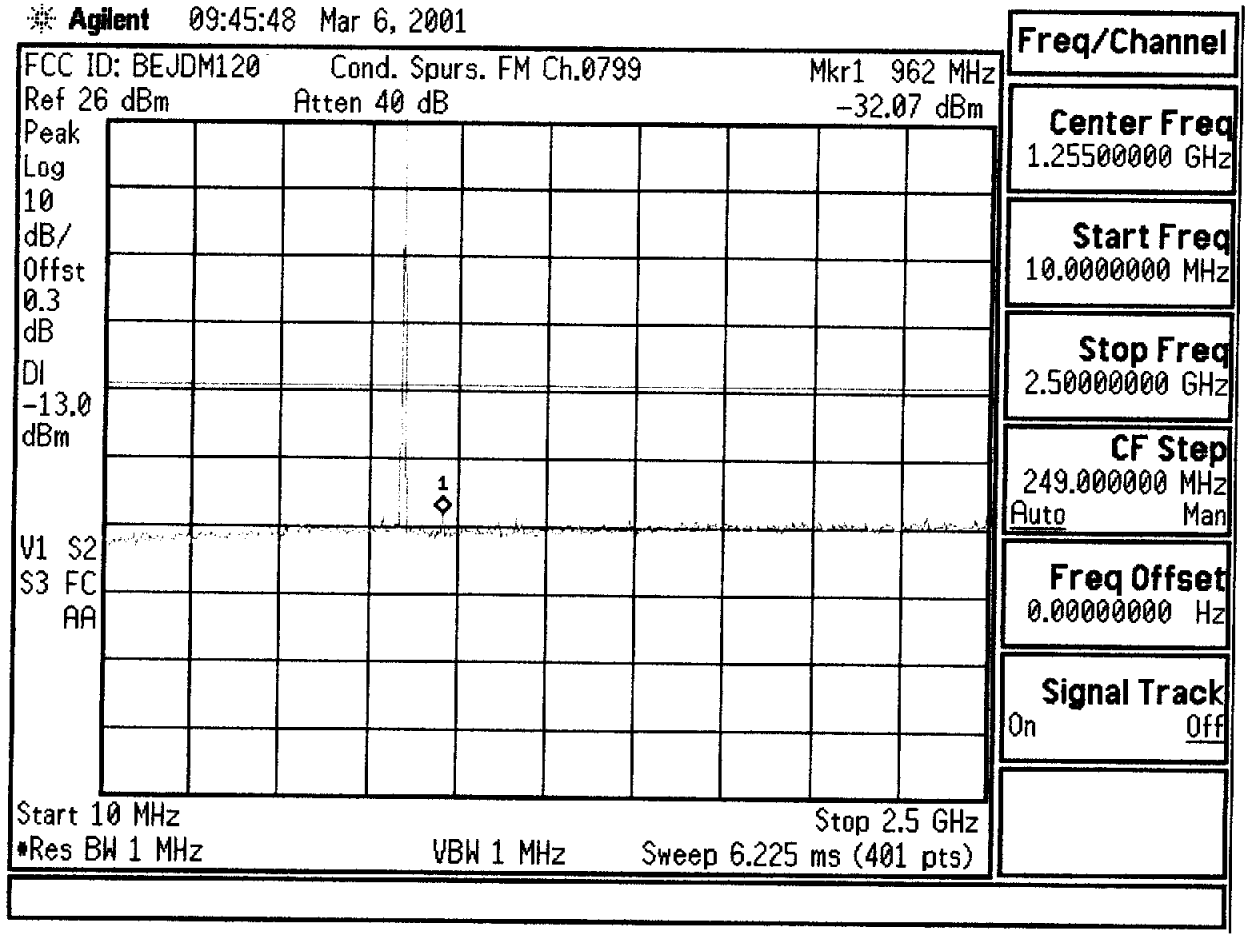


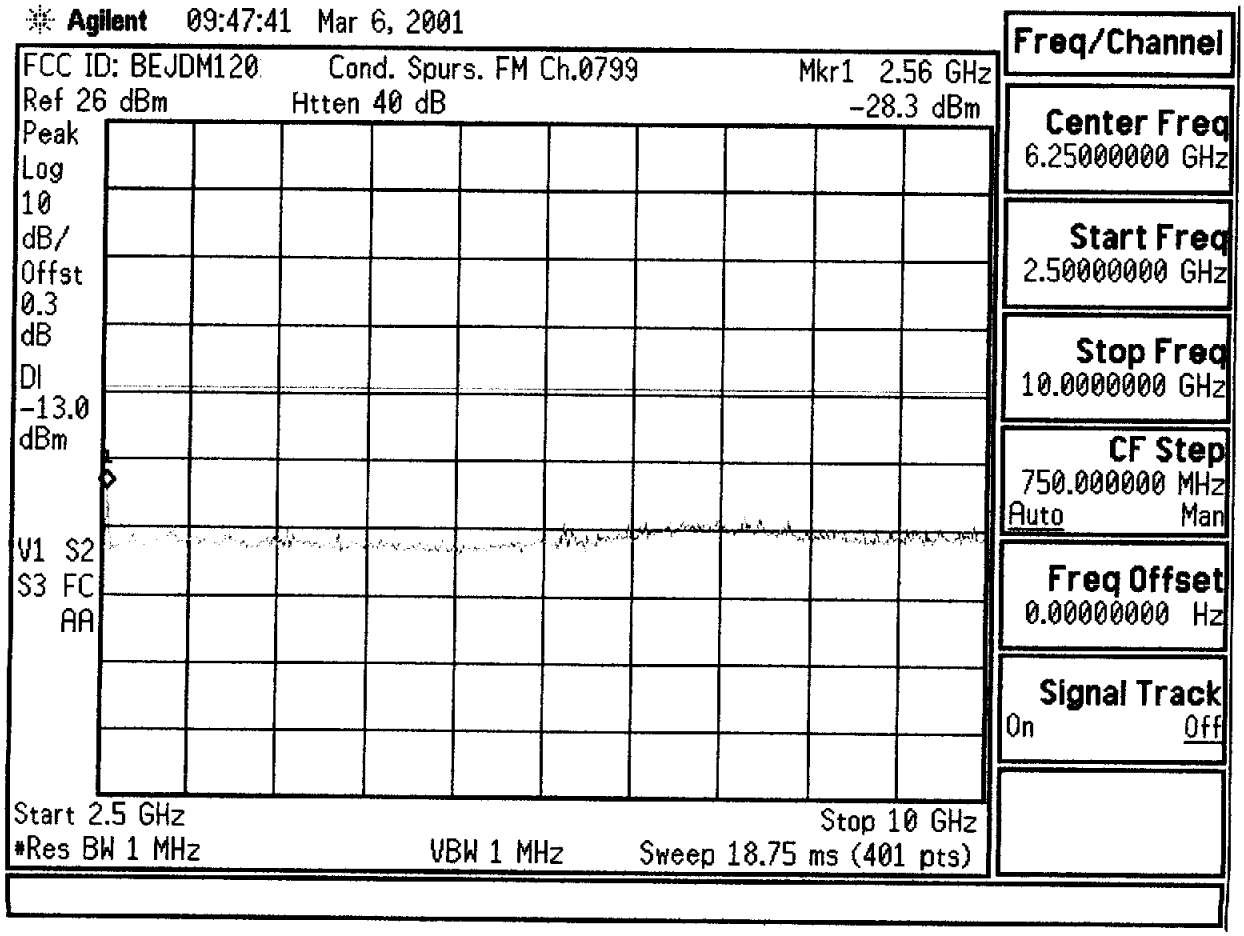

Agilent 09:38:04 Mar 6, 2001
FCC ID: BEJDM120 Cond. Spurs. FM Ch.0991 Mkr1 2.475 GHz
Ref 26 dBm Atten 40 dB -26.16 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz Stop 2.5 GHz
#Res BW 1 MHz VBW 1 MHz Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

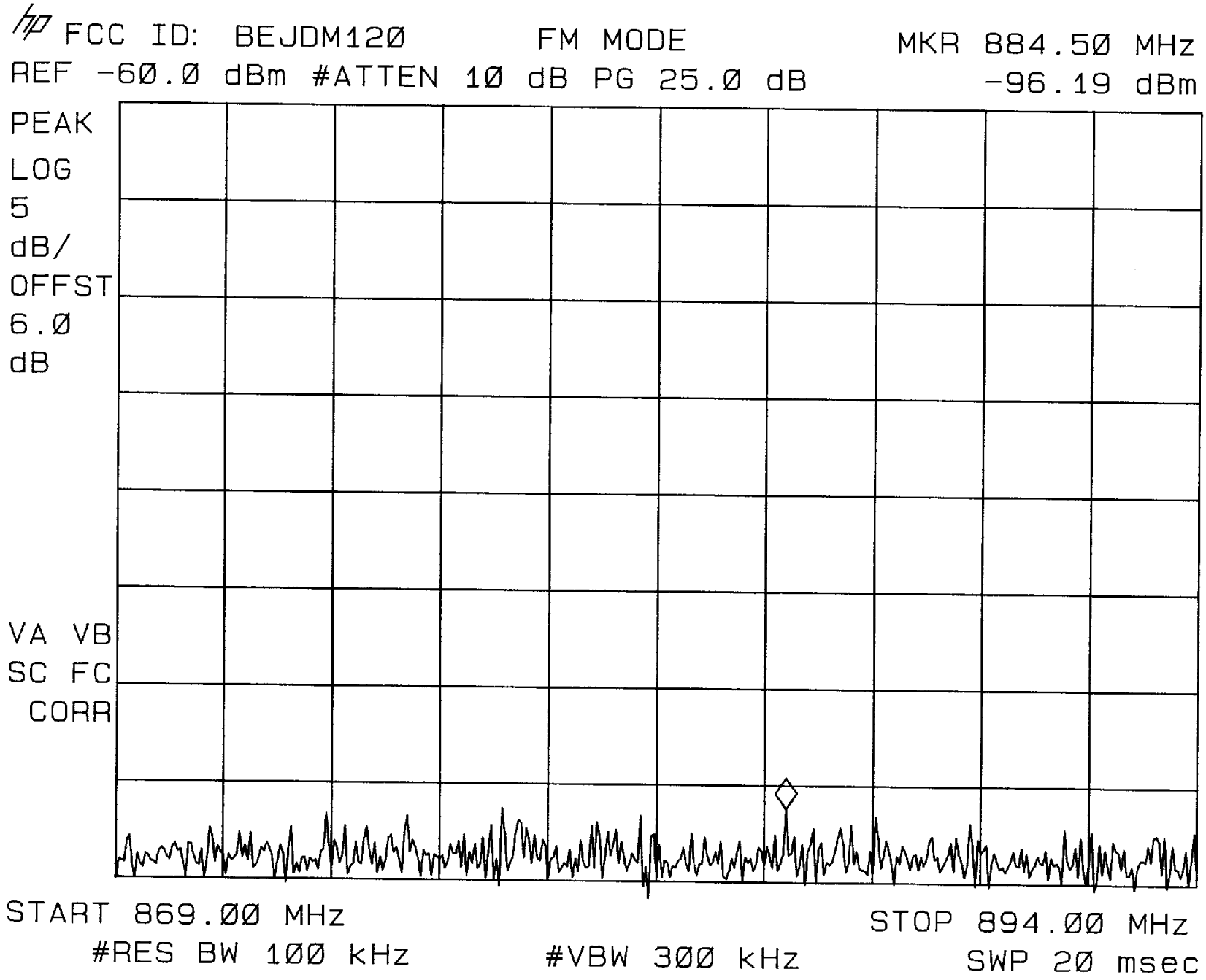

Agilent 09:39:03 Mar 6, 2001
FCC ID: BEJDM120 Cond. Spurs. FM Ch.0991 Mkr1 7.51 GHz
Ref 26 dBm Atten 40 dB -32.75 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz Stop 10 GHz
#Res BW 1 MHz VBW 1 MHz Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

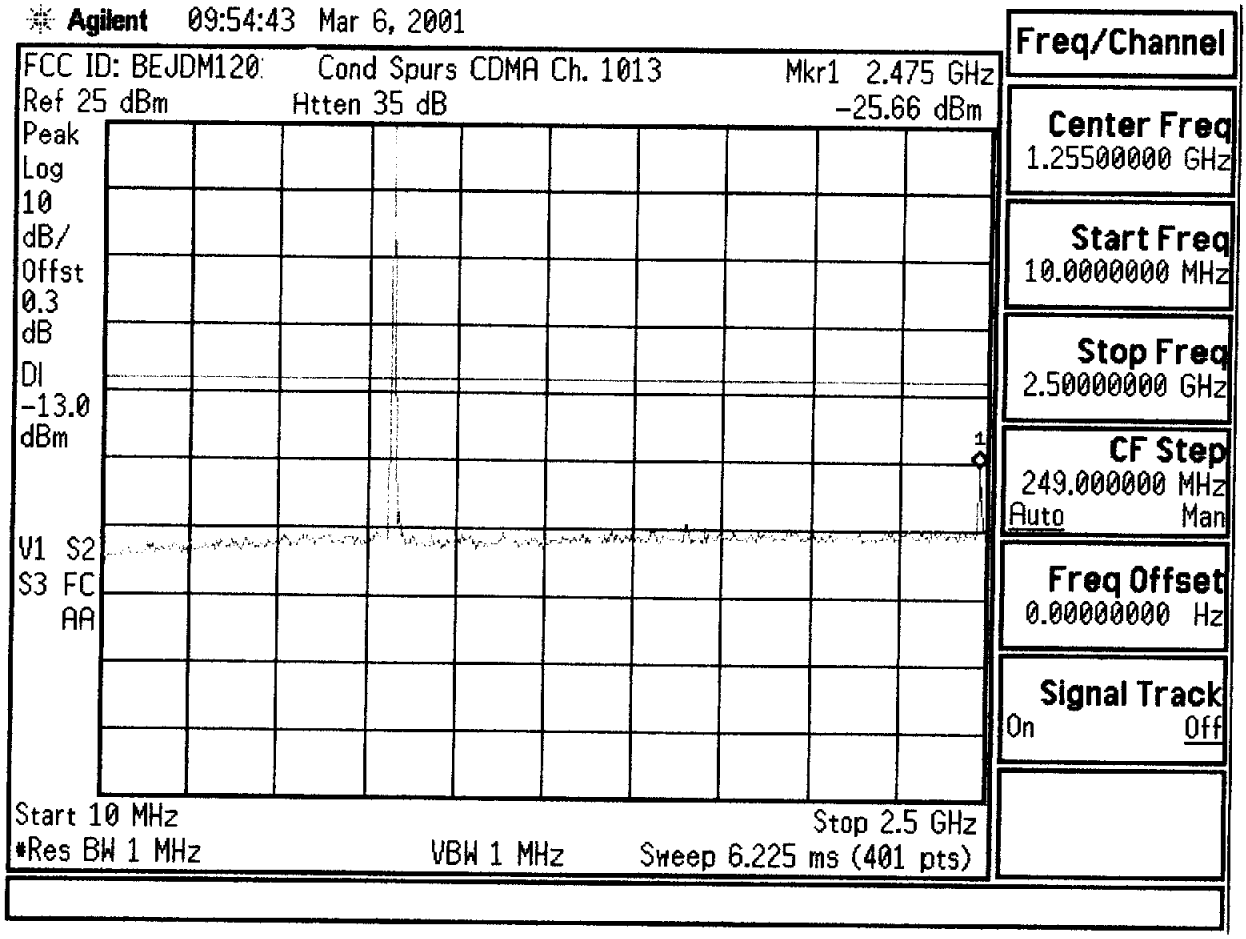

Agilent 09:41:44 Mar 6, 2001
FCC ID: BEJDM120 Cond. Spurs. FM Ch.0383 Mkr1 1.672 GHz
Ref 26 dBm Atten 40 dB -31.4 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

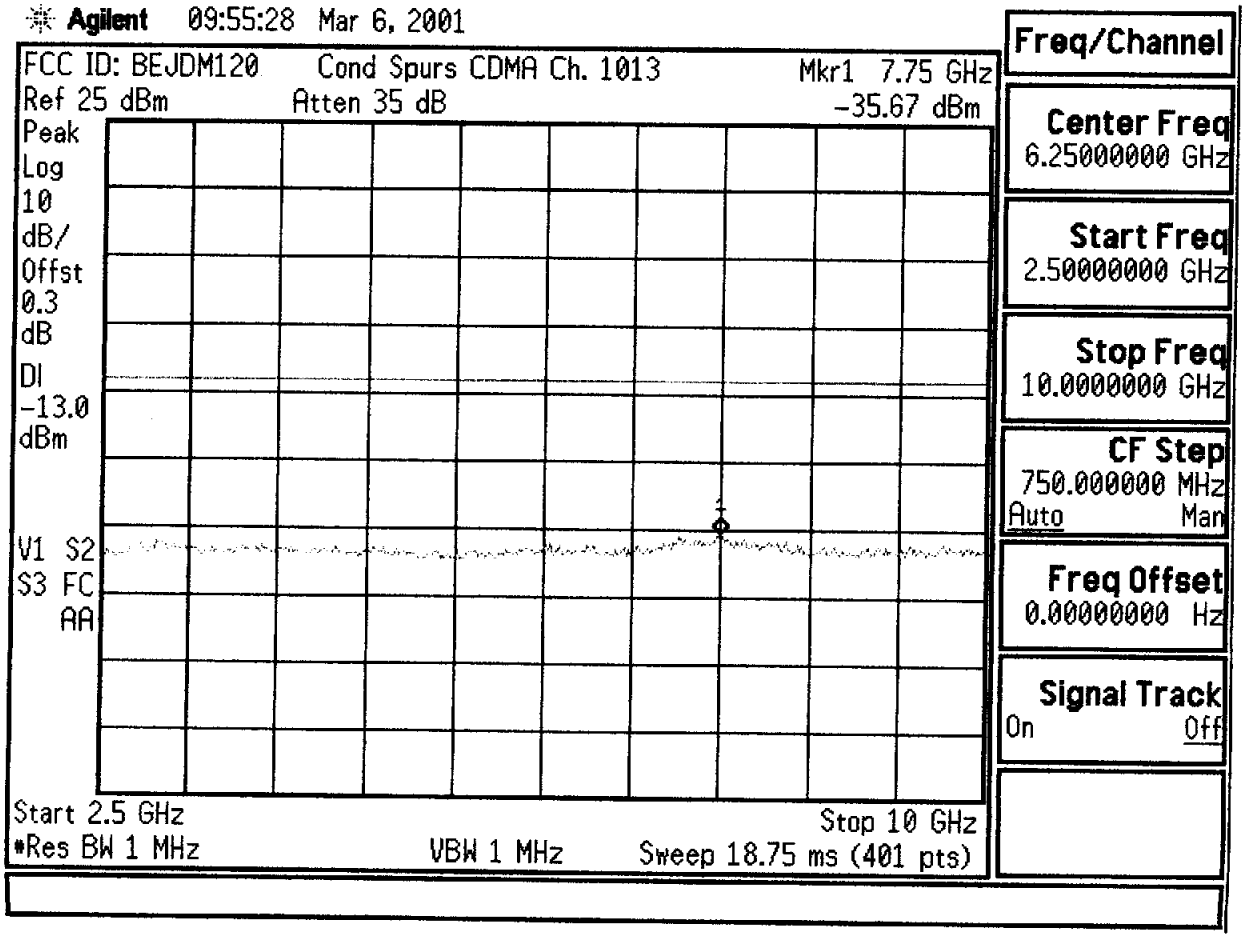

Agilent 09:43:19 Mar 6, 2001
FCC ID: BEJDM120 Cond. Spurs. FM Ch.0383 Mkr1 2.52 GHz
Ref 26 dBm Atten 40 dB -27.56 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

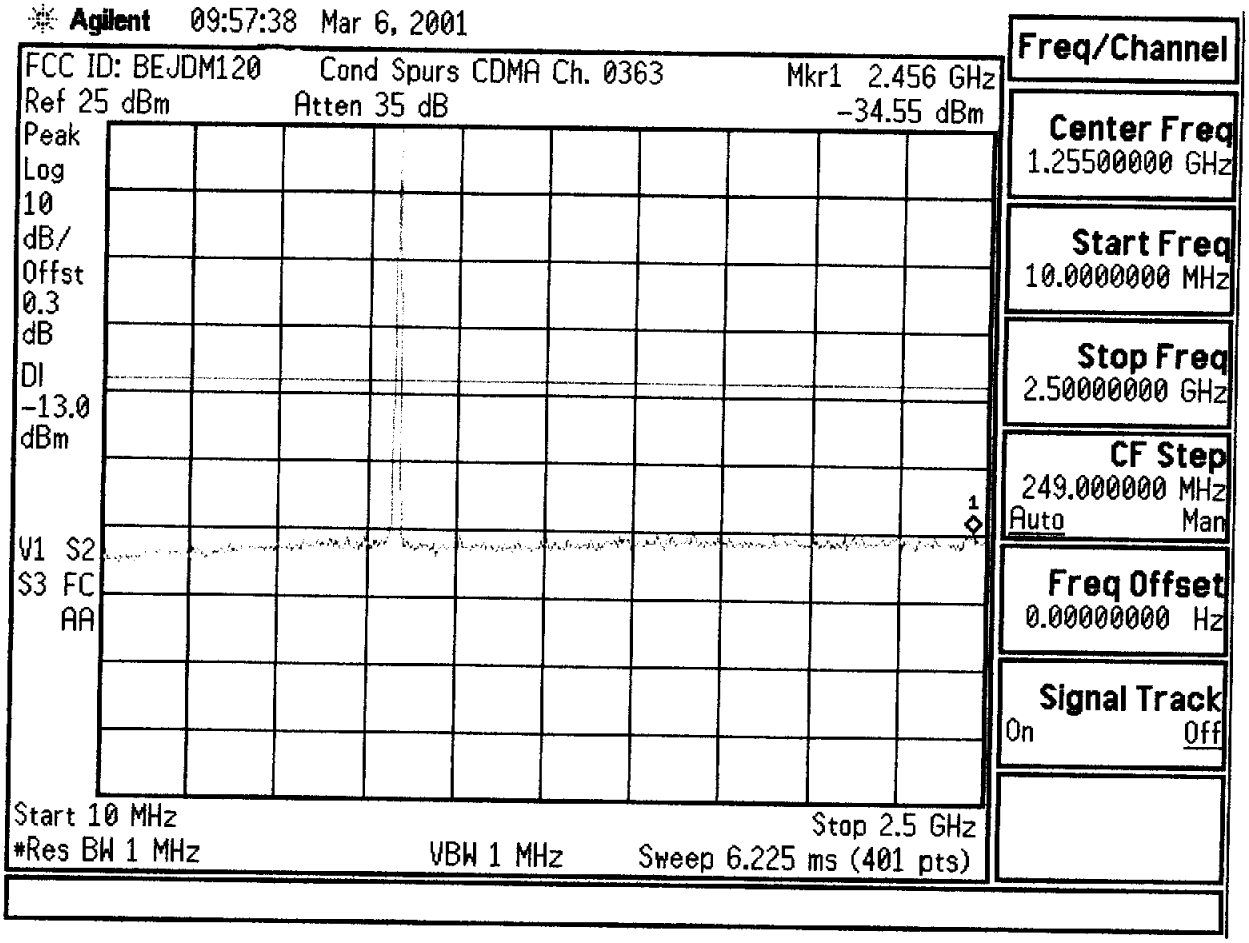

Agilent 09:45:48 Mar 6, 2001
FCC ID: BEJDM120 Cond. Spurs. FM Ch.0799
Mkr1 962 MHz
Ref 26 dBm
Atten 40 dB
-32.07 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

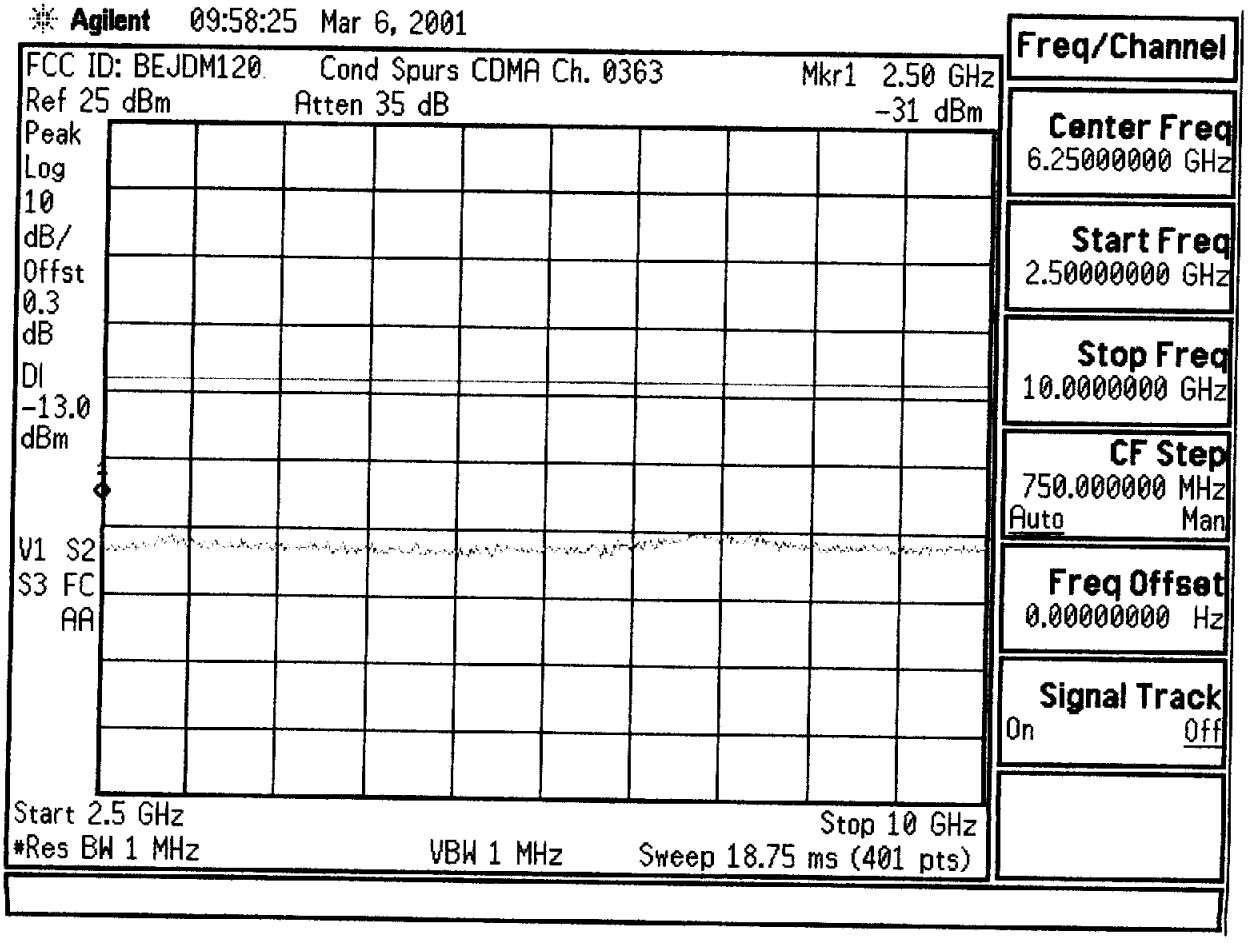

Agilent 09:47:41 Mar 6, 2001
FCC ID: BEJDM120 Cond. Spurs. FM Ch.0799
Mkr1 2.56 GHz
Ref 26 dBm
Htten 40 dB
-28.3 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

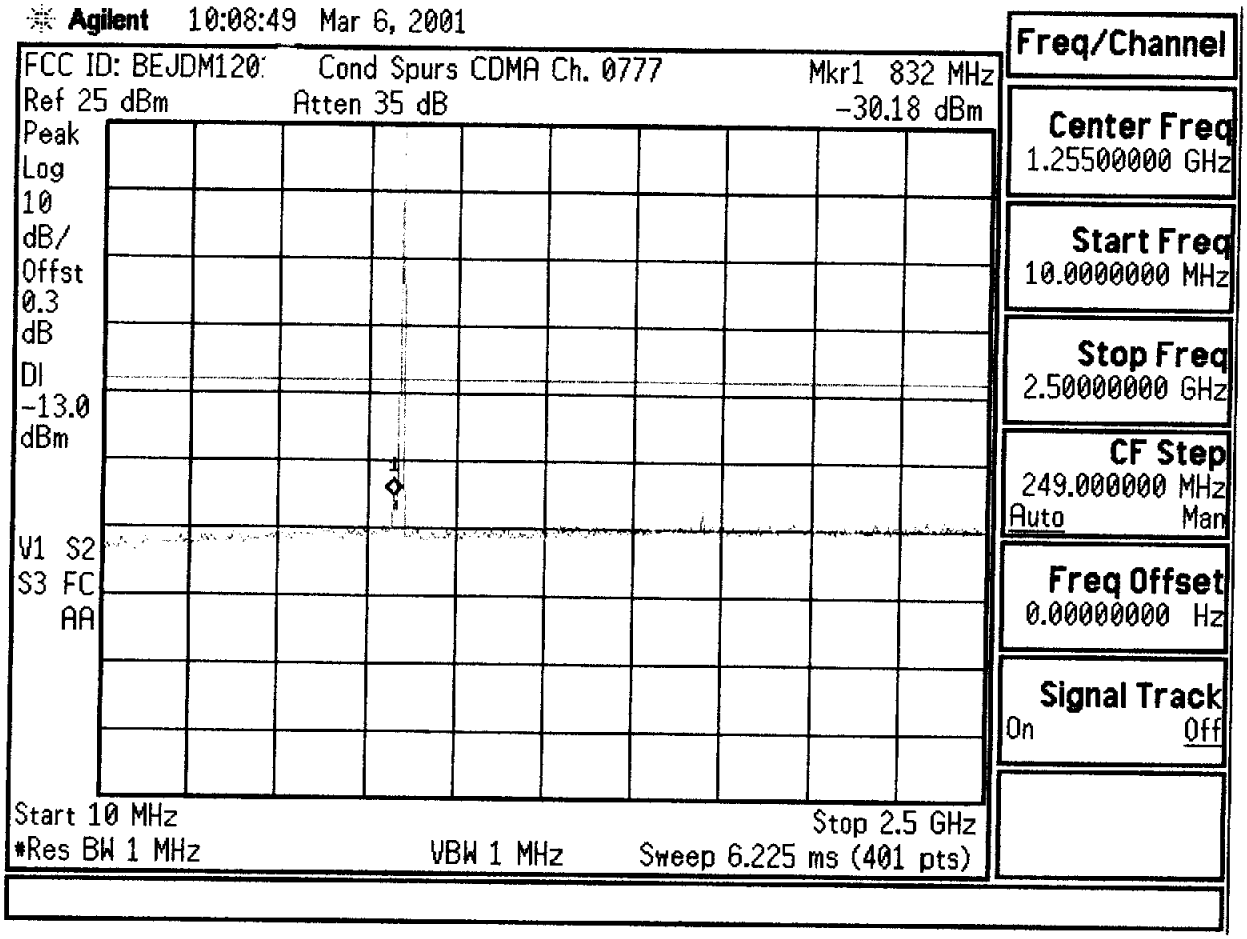

FCC ID: BEJDM120
FM MODE
MKR 884.50 MHz
REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB
-96.19 dBm
PEAK
LOG
5
dB/
OFFST
6.0
dB
VA VB
SC FC
CORR
START 869.00 MHz
STOP 894.00 MHz
#RES BW 100 kHz
#VBW 300 kHz
SWP 20 msec

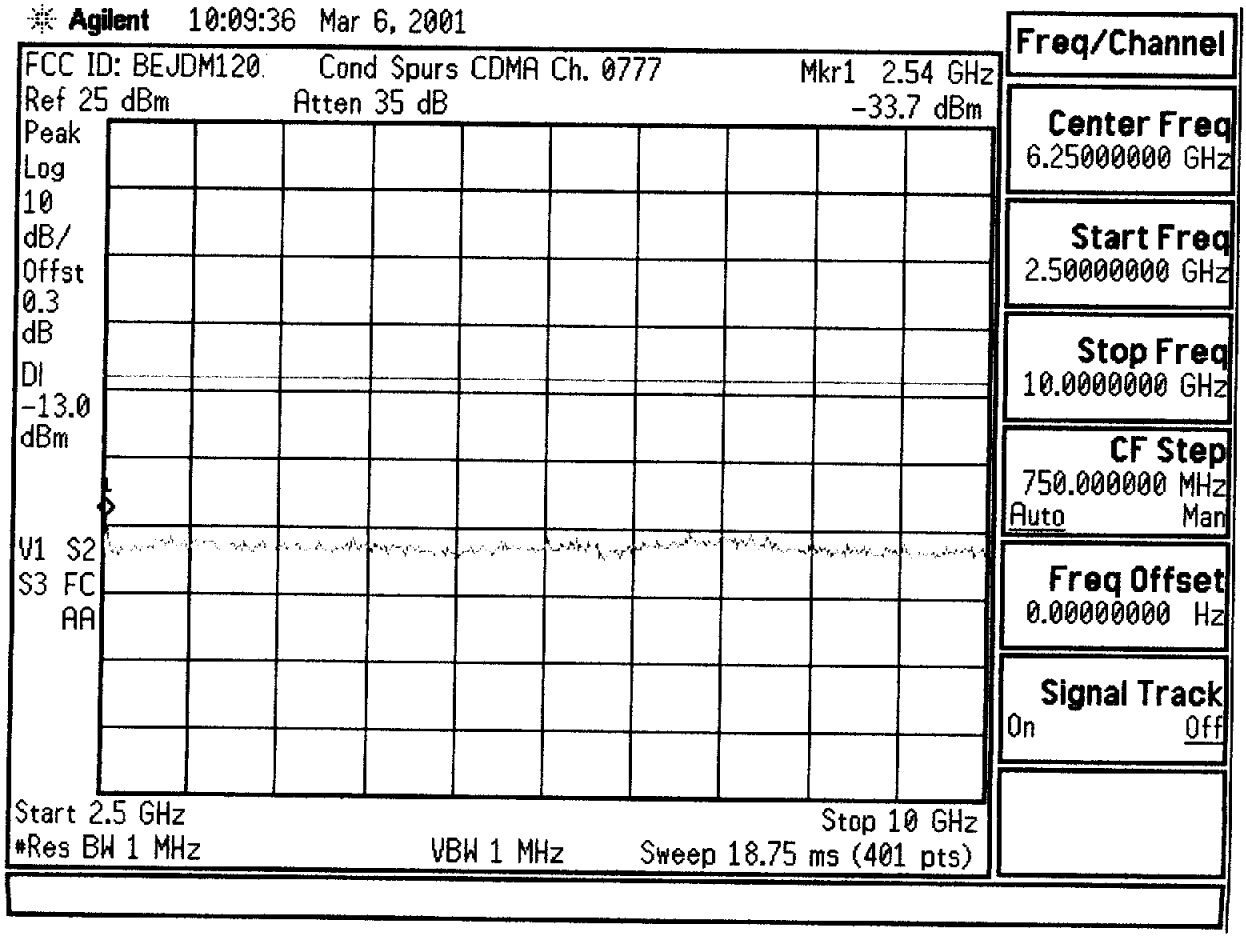

Agilent 09:54:43 Mar 6, 2001
FCC ID: BEJDM120 Cond Spurs CDMA Ch. 1013 Mkr1 2.475 GHz
Ref 25 dBm Atten 35 dB -25.66 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

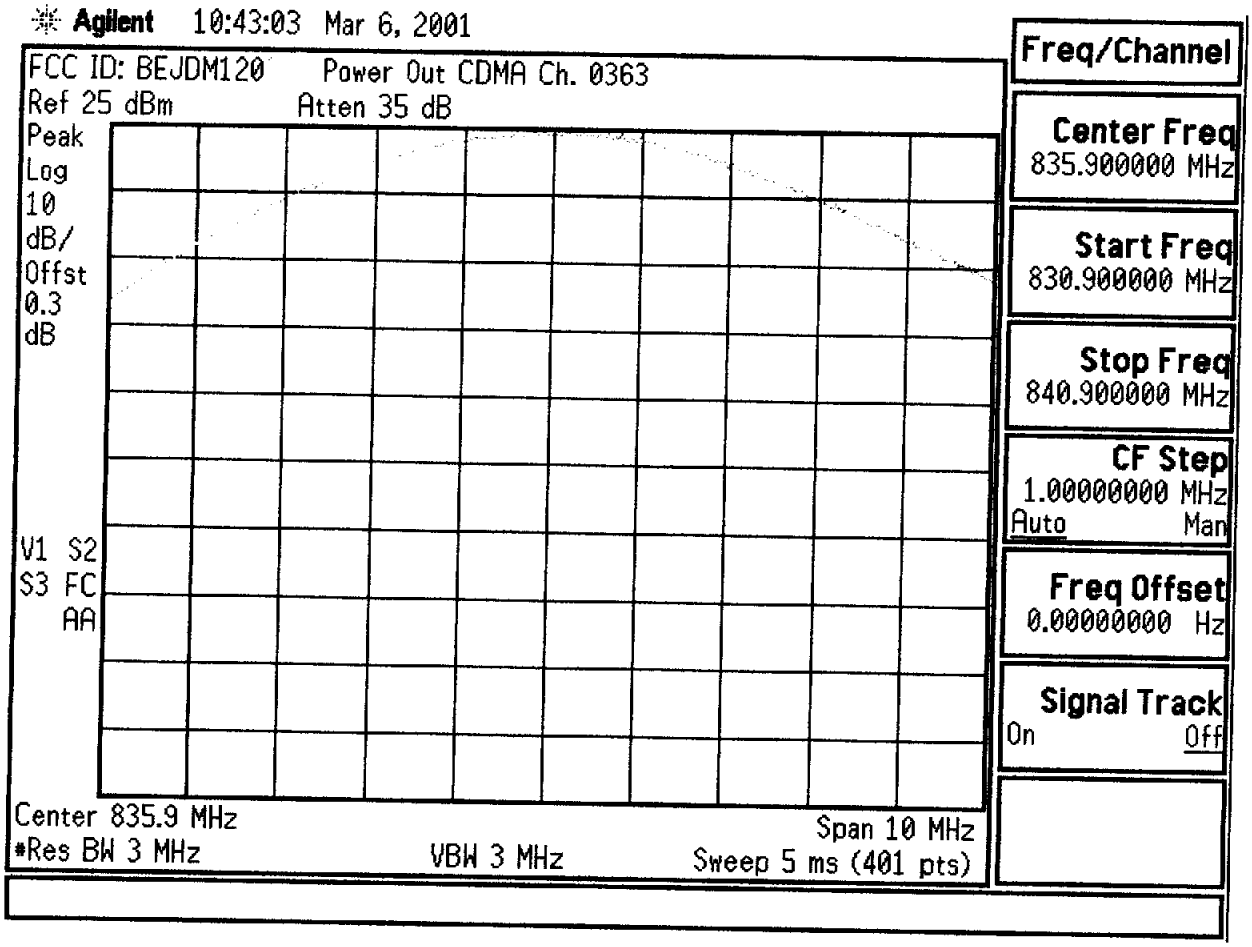

Agilent 09:55:28 Mar 6, 2001
FCC ID: BEJDM120 Cond Spurs CDMA Ch. 1013 Mkr1 7.75 GHz
Ref 25 dBm Atten 35 dB -35.67 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

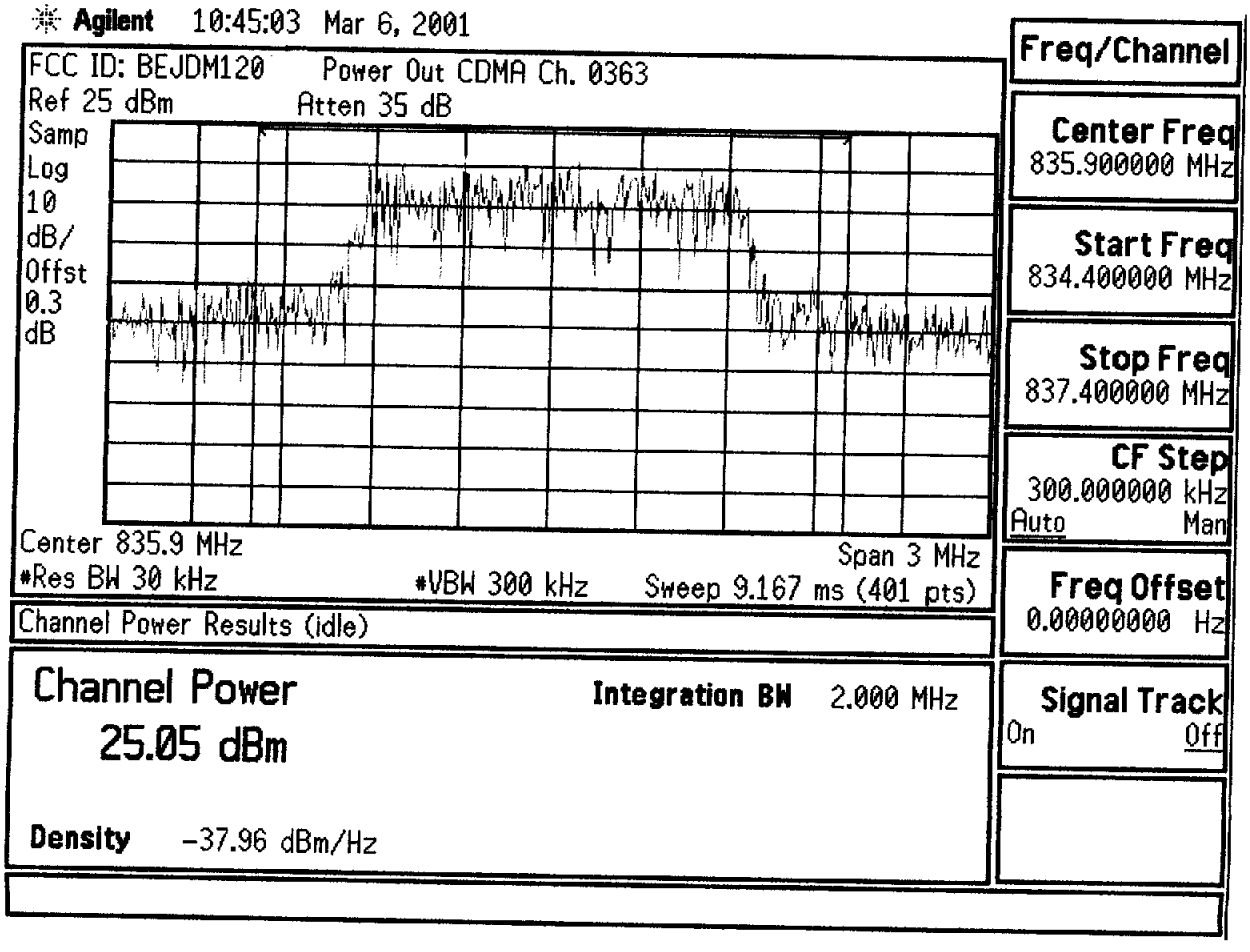

Agilent 09:57:38 Mar 6, 2001
FCC ID: BEJDM120
Cond Spurs CDMA Ch. 0363
Mkr1 2.456 GHz
-34.55 dBm
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

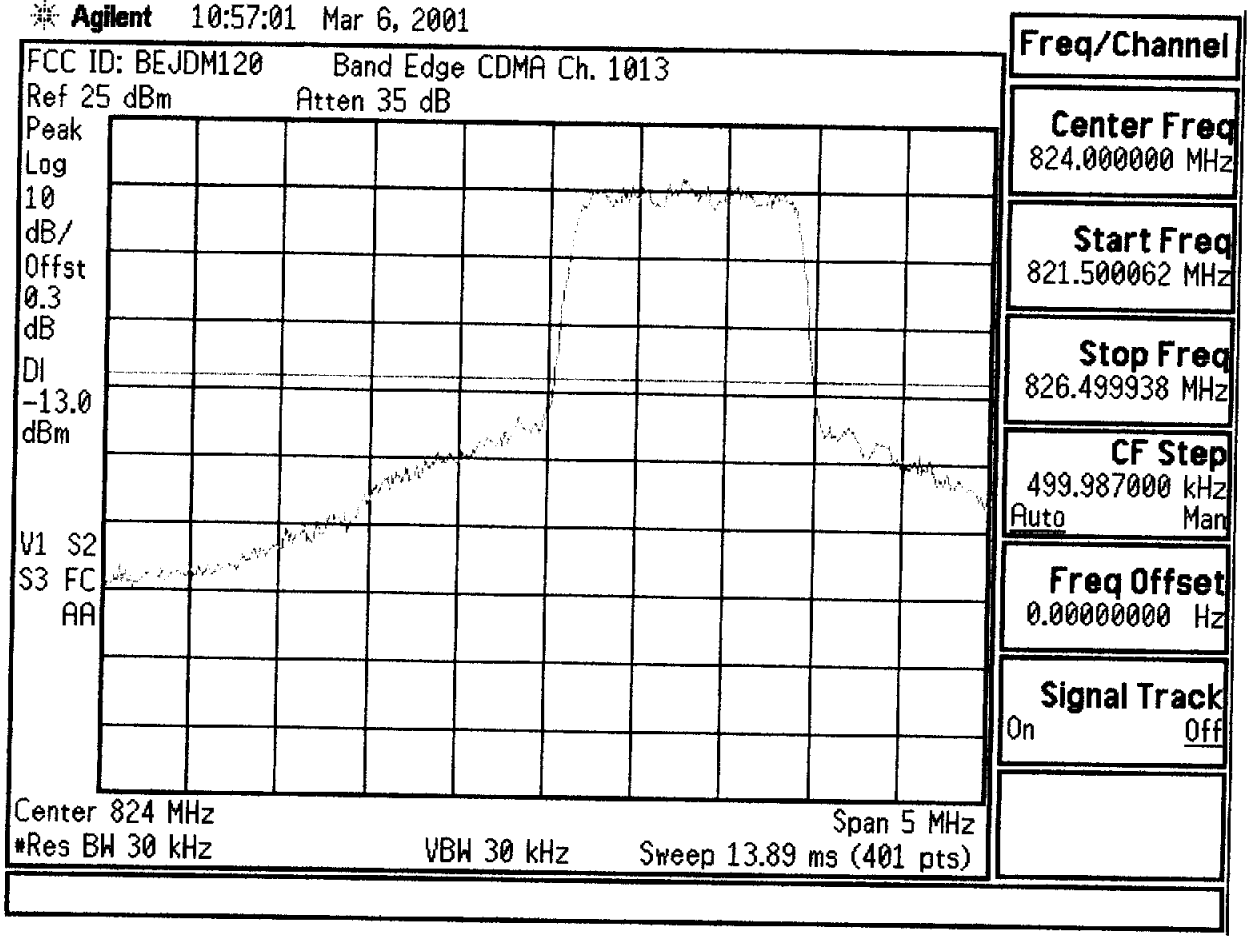

Agilent 09:58:25 Mar 6, 2001
FCC ID: BEJDM120
Cond Spurs CDMA Ch. 0363
Mkr1 2.50 GHz
-31 dBm
Ref 25 dBm
Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

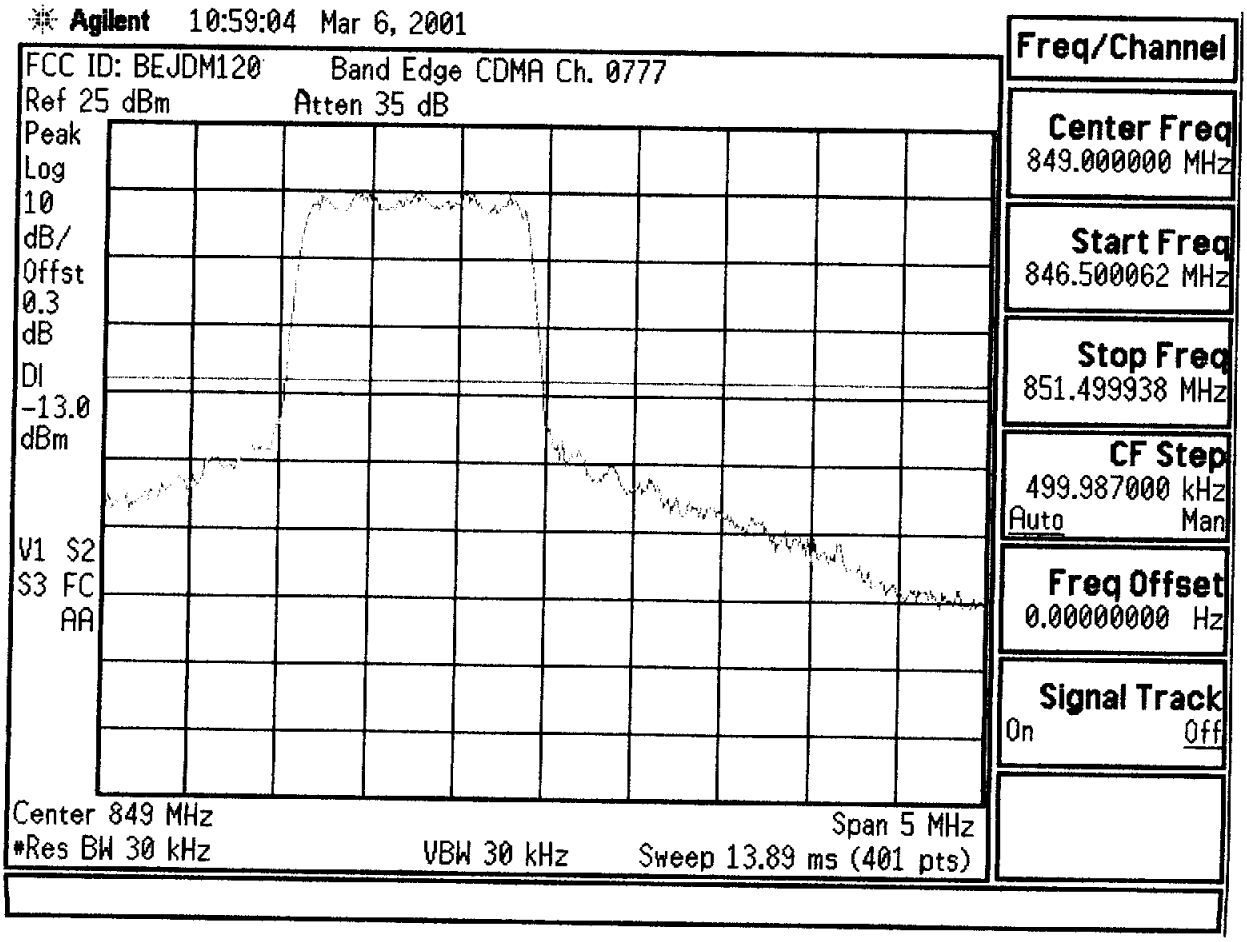

Agilent 10:08:49 Mar 6, 2001
FCC ID: BEJDM120 Cond Spurs CDMA Ch. 0777 Mkr1 832 MHz
Ref 25 dBm Atten 35 dB -30.18 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
#Res BW 1 MHz
VBW 1 MHz
Stop 2.5 GHz
Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

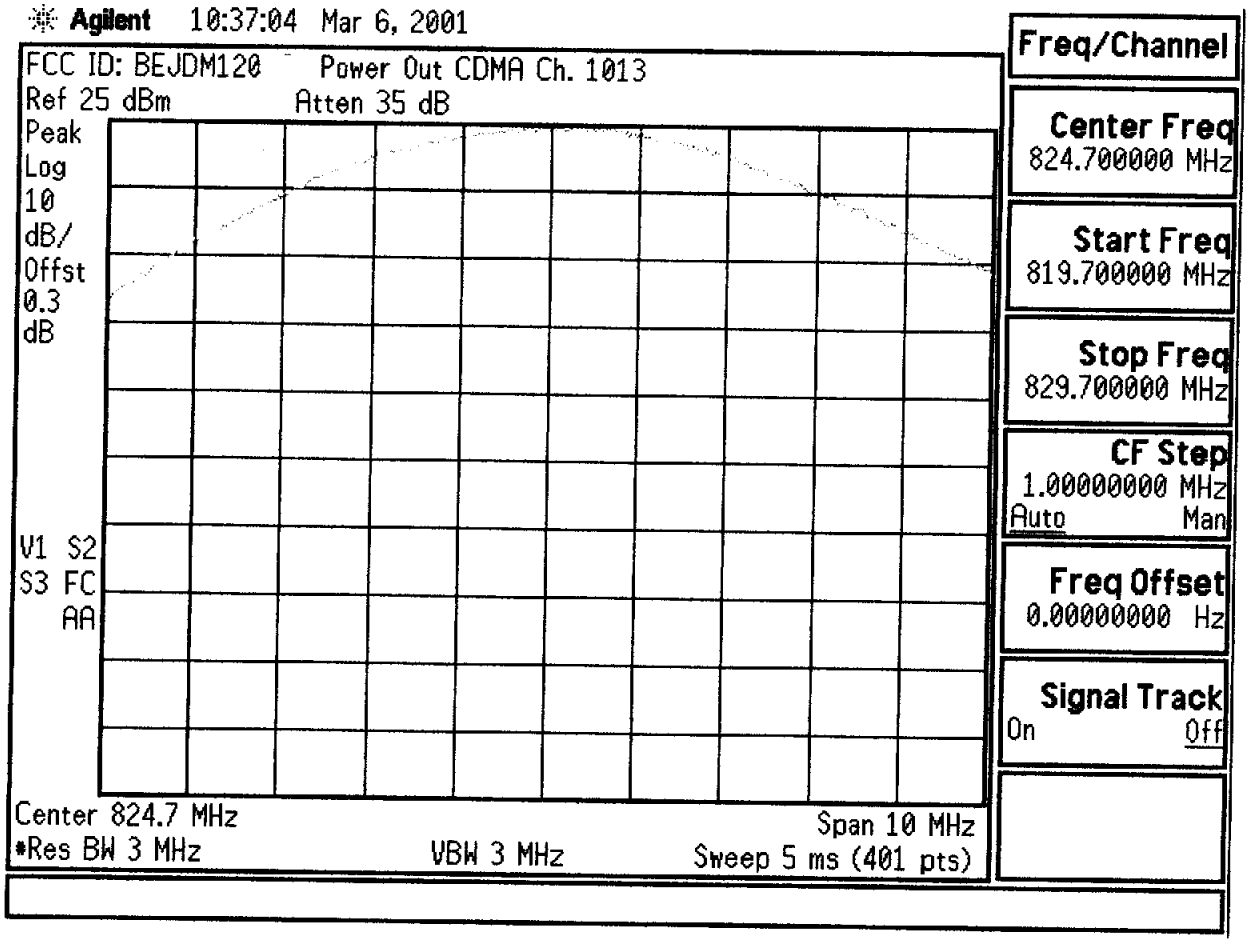

Agilent 10:09:36 Mar 6, 2001
FCC ID: BEJDM120 Cond Spurs CDMA Ch. 0777 Mkr1 2.54 GHz
Ref 25 dBm Atten 35 dB -33.7 dBm
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Stop 10 GHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off

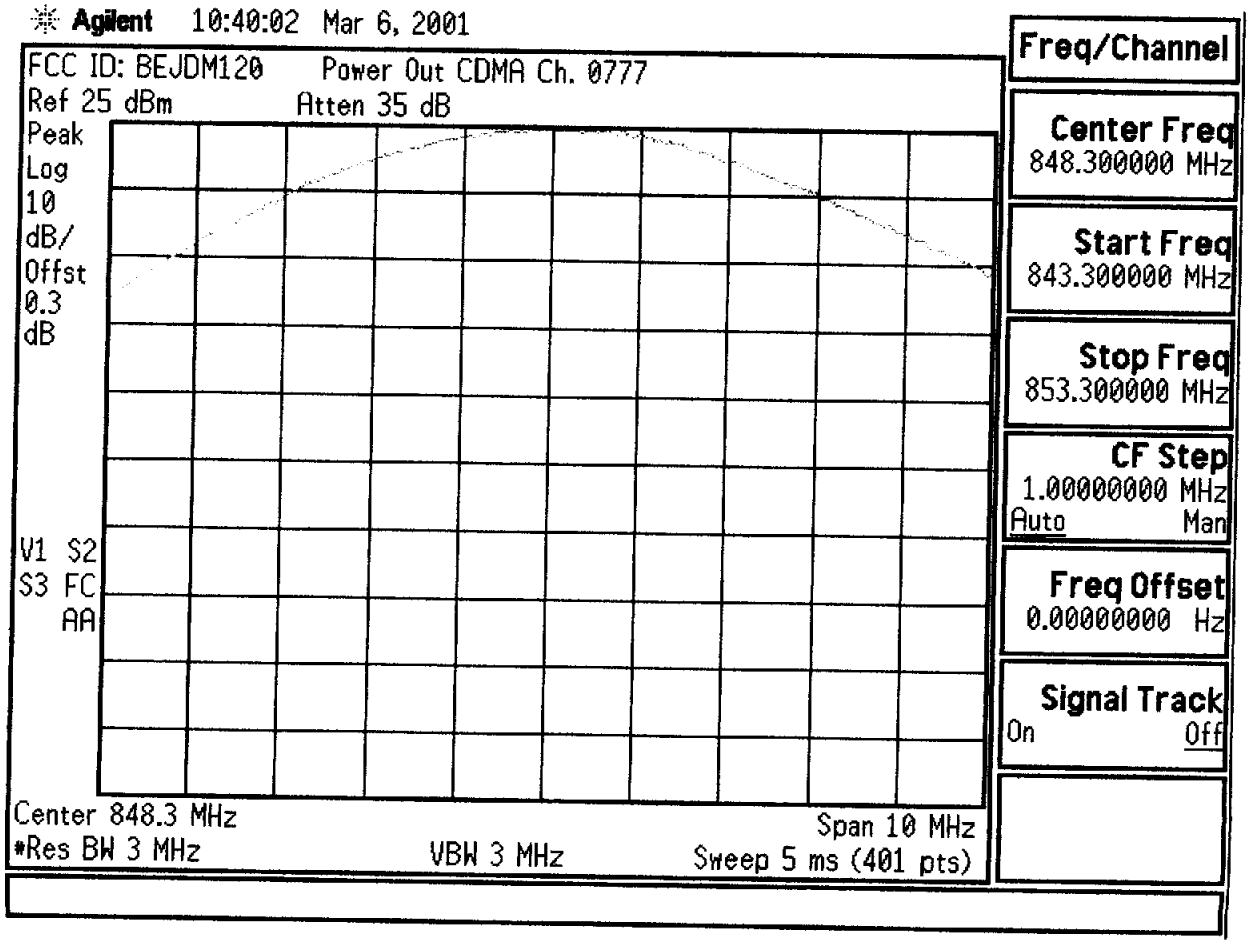

Agilent 10:43:03 Mar 6, 2001
FCC ID: BEJDM120 Power Out CDMA Ch. 0363
Ref 25 dBm Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
V1 S2
S3 FC
AA
Center 835.9 MHz
#Res BW 3 MHz
VBW 3 MHz
Span 10 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
835.900000 MHz
Start Freq
830.900000 MHz
Stop Freq
840.900000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 10:45:03 Mar 6, 2001
FCC ID: BEJDM120 Power Out CDMA Ch. 0363
Ref 25 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
0.3
dB
Center 835.9 MHz
#Res BW 30 kHz
#VBW 300 kHz
Span 3 MHz
Sweep 9.167 ms (401 pts)
Channel Power Results (idle)
Channel Power
25.05 dBm
Integration BW 2.000 MHz
Density -37.96 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


Agilent 10:57:01 Mar 6, 2001
FCC ID: BEJDM120 Band Edge CDMA Ch. 1013
Ref 25 dBm Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 824 MHz
#Res BW 30 kHz
VBW 30 kHz
Span 5 MHz
Sweep 13.89 ms (401 pts)
Freq/Channel
Center Freq
824.000000 MHz
Start Freq
821.500062 MHz
Stop Freq
826.499938 MHz
CF Step
499.987000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 10:59:04 Mar 6, 2001
FCC ID: BEJDM120 Band Edge CDMA Ch. 0777
Ref 25 dBm Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 849 MHz
#Res BW 30 kHz
VBW 30 kHz
Span 5 MHz
Sweep 13.89 ms (401 pts)
Freq/Channel
Center Freq
849.000000 MHz
Start Freq
846.500062 MHz
Stop Freq
851.499938 MHz
CF Step
499.987000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off


Agilent 10:37:04 Mar 6, 2001
FCC ID: BEJDM120 Power Out CDMA Ch. 1013
Ref 25 dBm Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
V1 S2
S3 FC
AA
Center 824.7 MHz
#Res BW 3 MHz
VBW 3 MHz
Span 10 MHz
Sweep 5 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


Agilent 10:40:02 Mar 6, 2001
FCC ID: BEJDM120 Power Out CDMA Ch. 0777
Ref 25 dBm Atten 35 dB
Peak
Log
10
dB/
Offst
0.3
dB
V1 S2
S3 FC
AA
Center 848.3 MHz
#Res BW 3 MHz
VBW 3 MHz
Span 10 MHz
Sweep 5 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