

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM510

LG Electronics

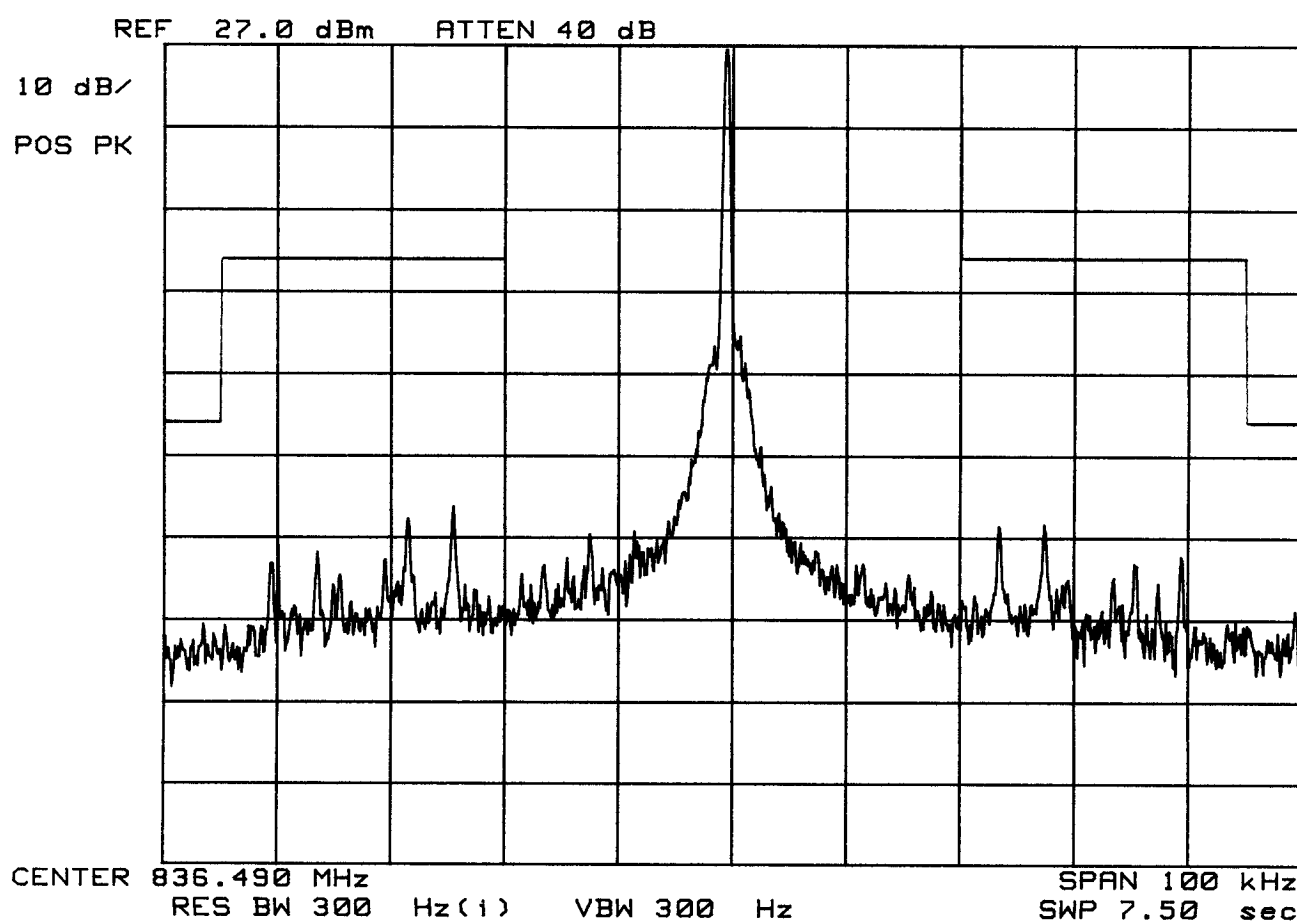
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM510

LG Electronics

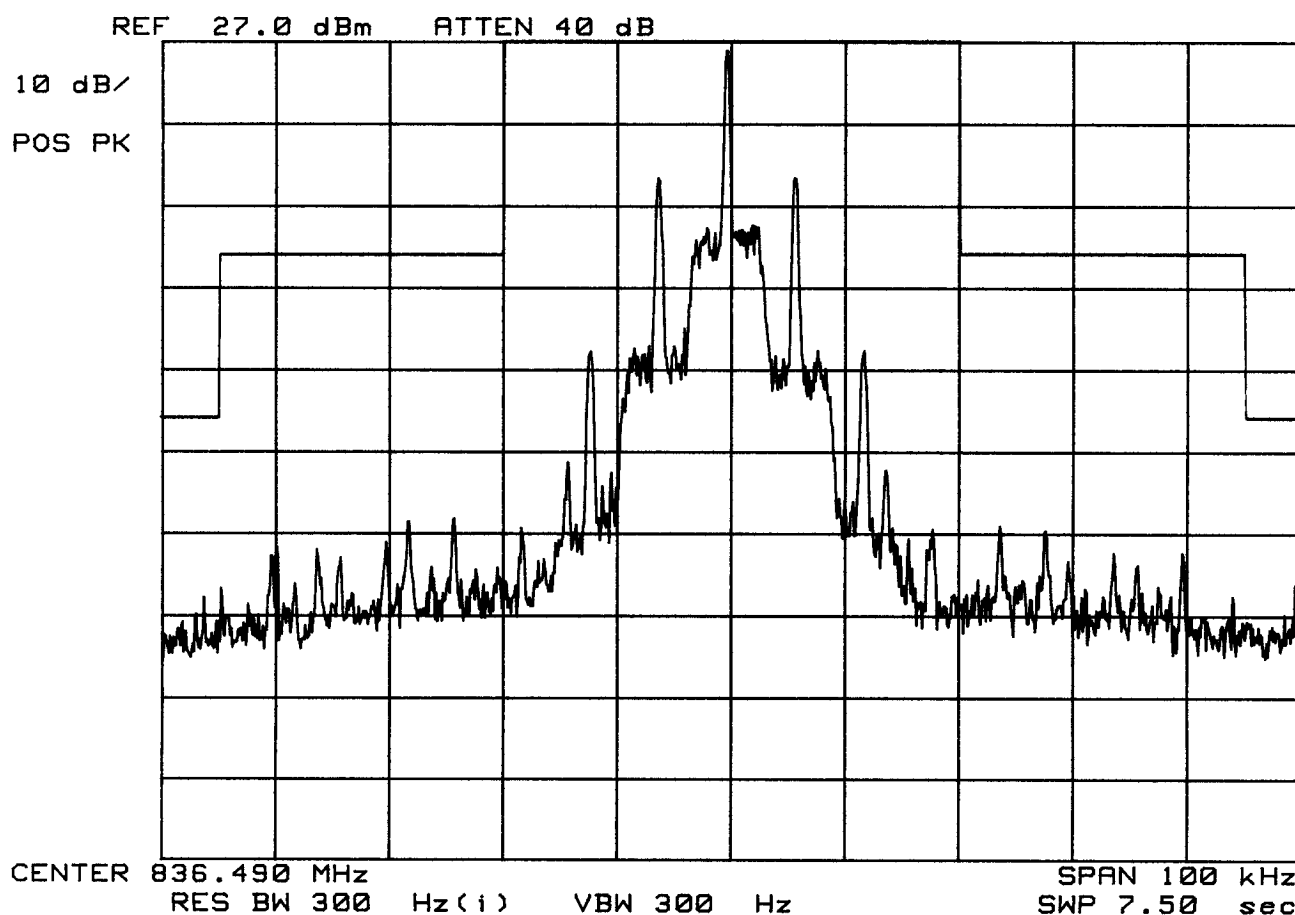
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM510

LG Electronics

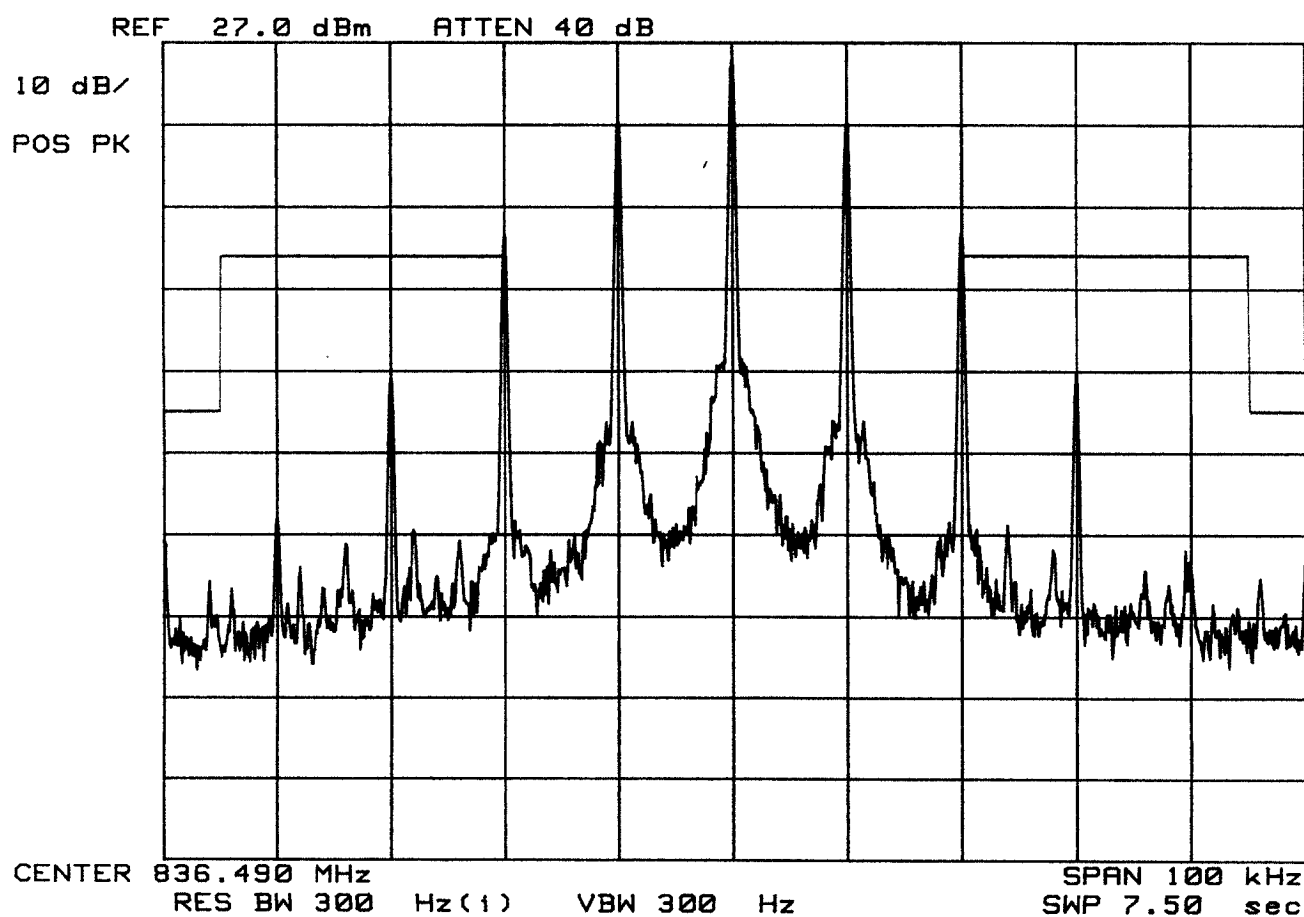
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM510

LG Electronics

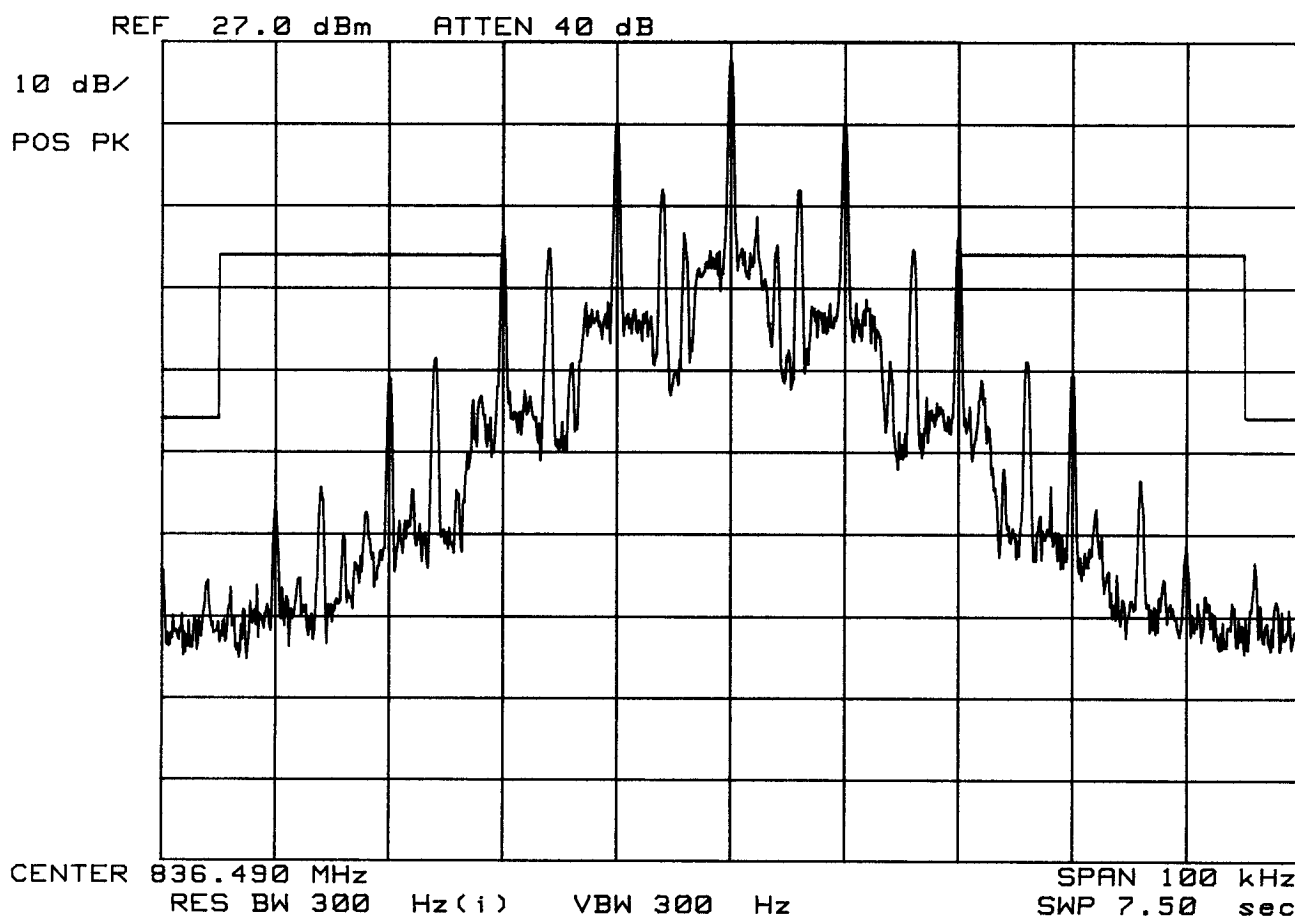
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM510

LG Electronics

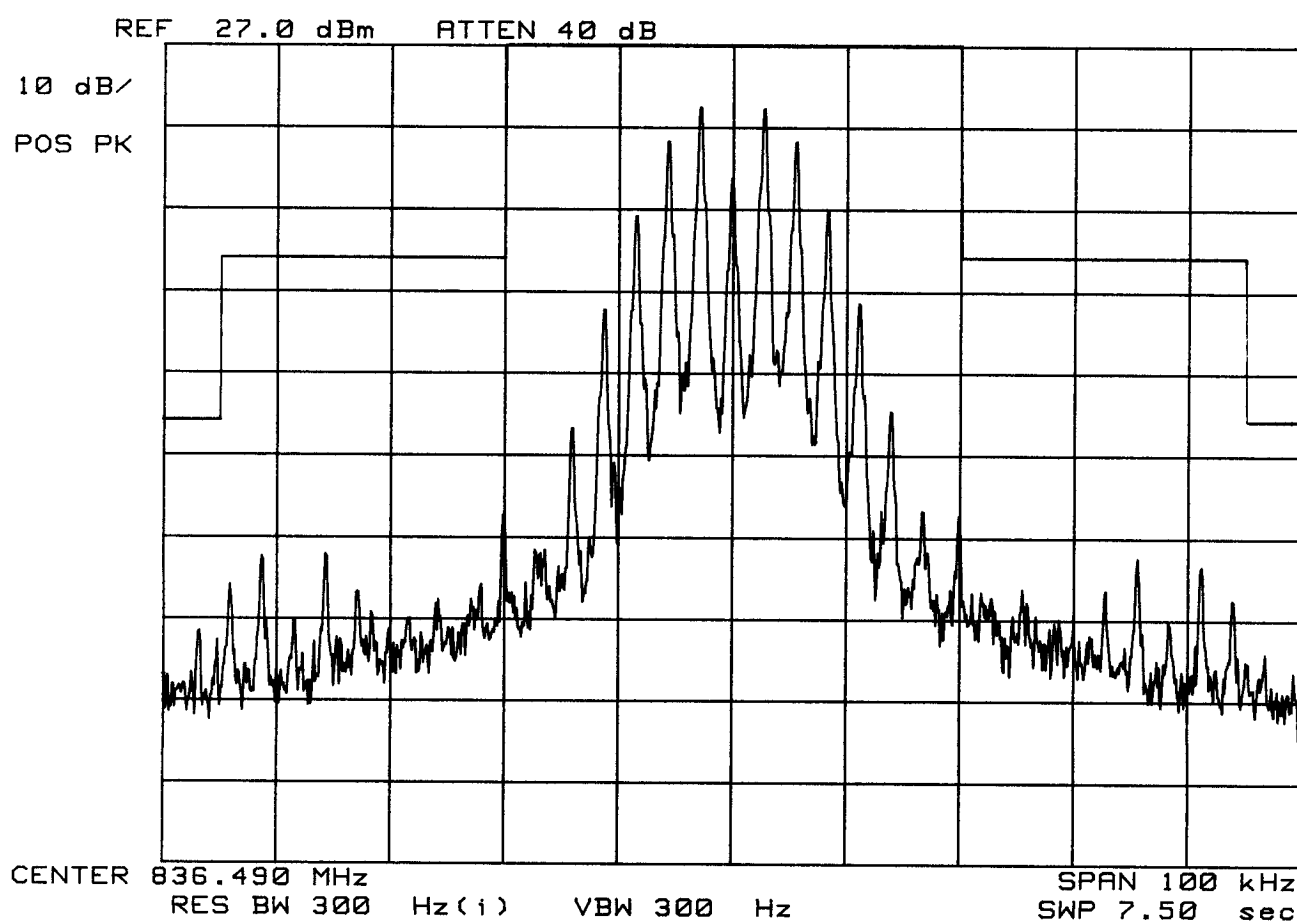
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM510

LG Electronics

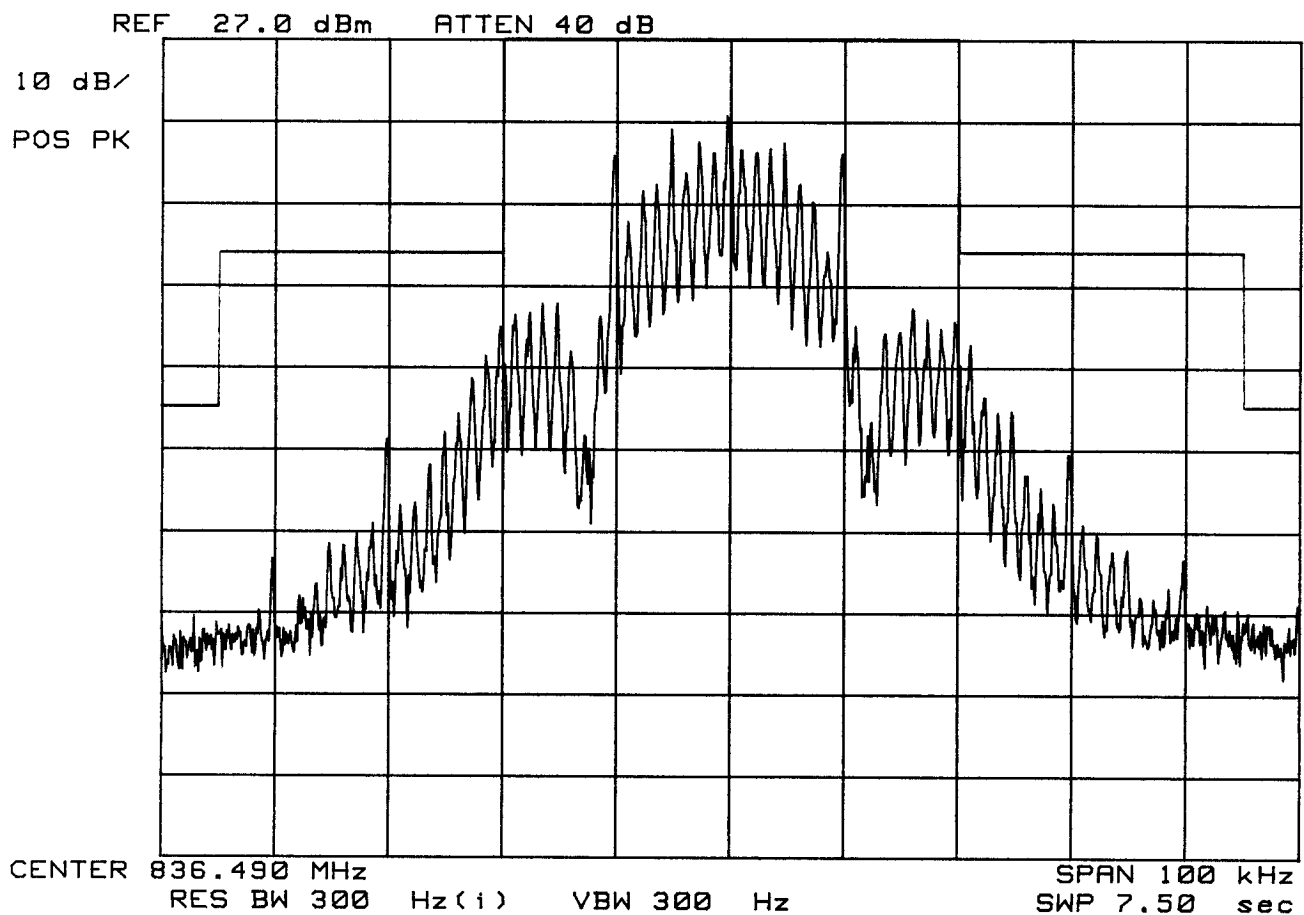
Tri-Mode Phone

FM Channel 0383

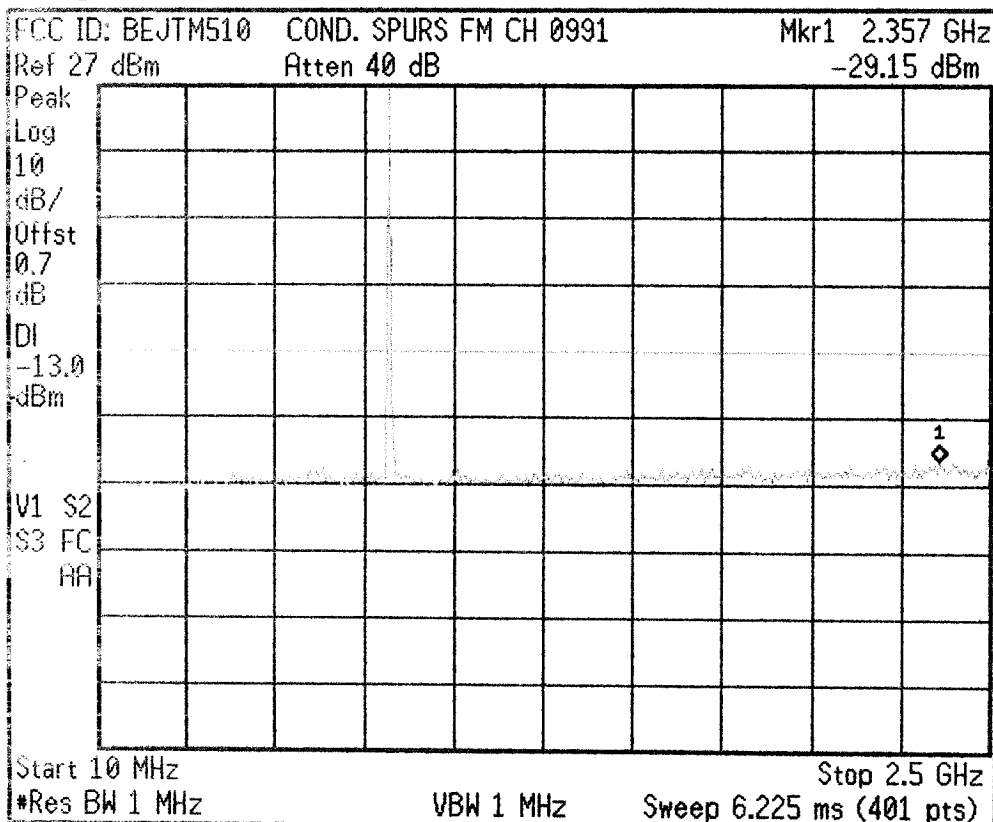
Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Wide Band Data



Agilent 12:13:43 Oct 4, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

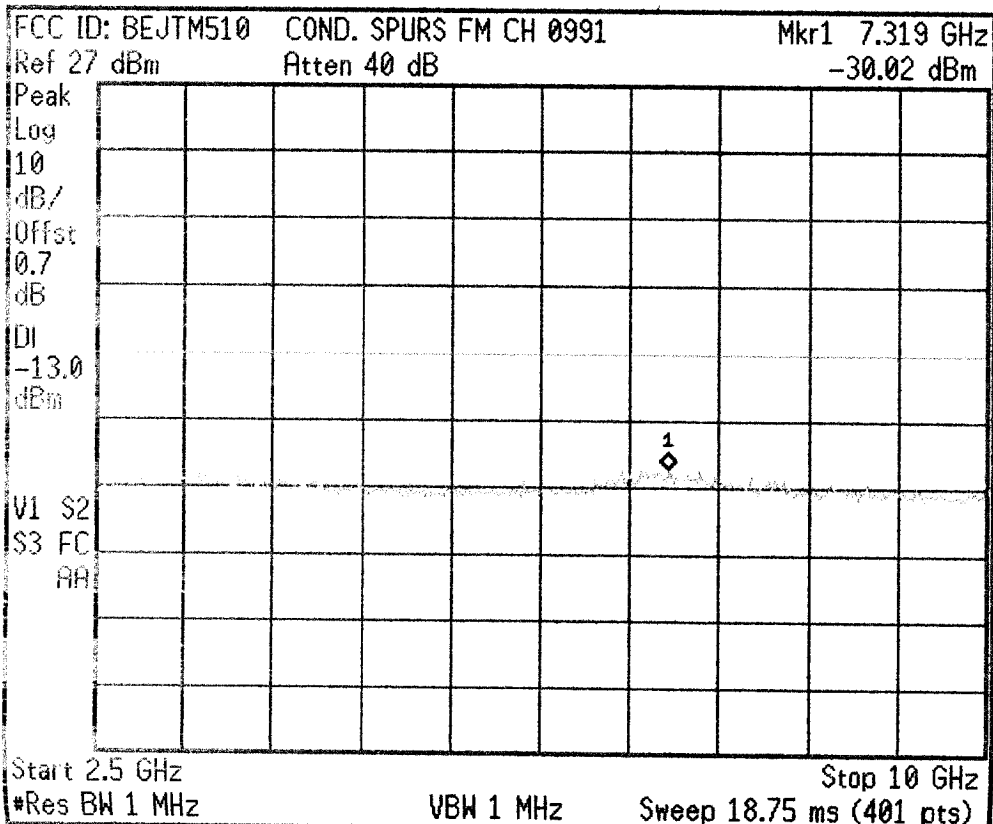
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 12:14:16 Oct 4, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

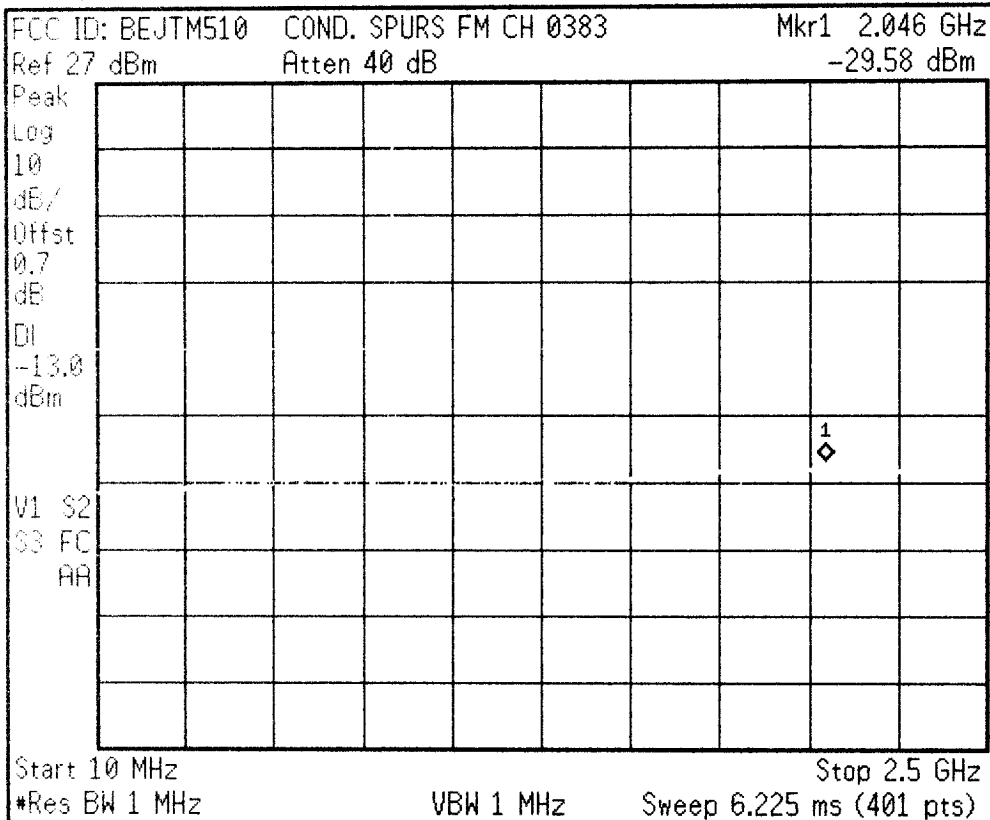
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 12:16:03 Oct 4, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

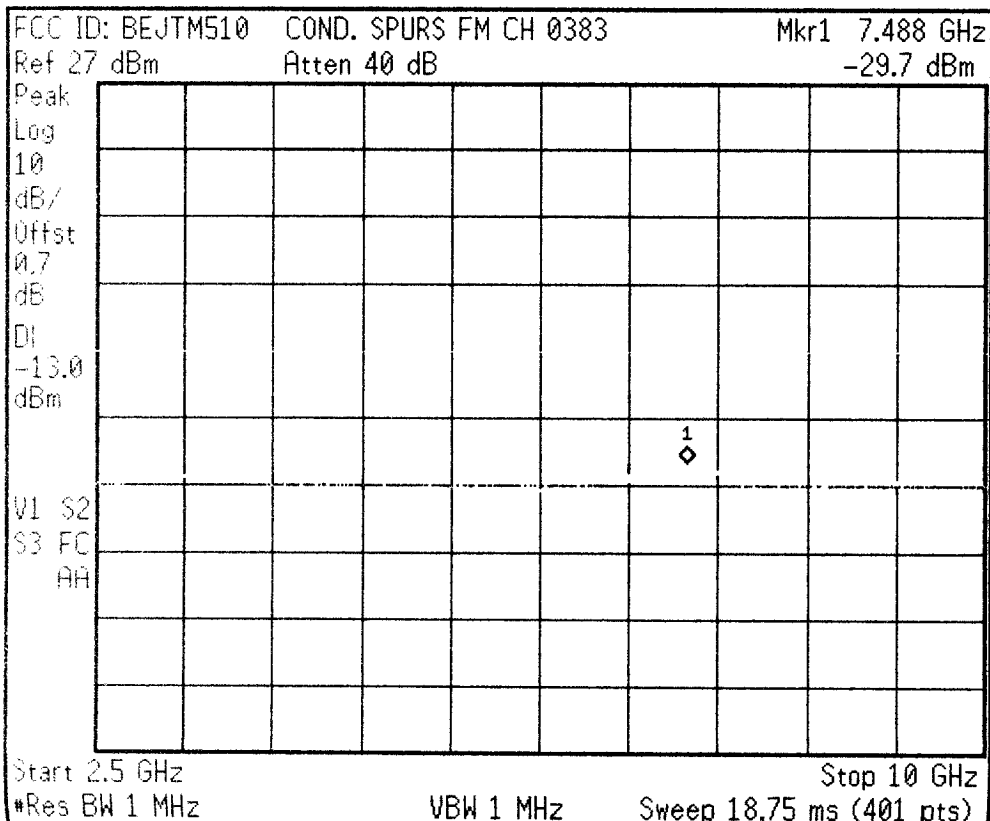
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 12:16:48 Oct 4, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

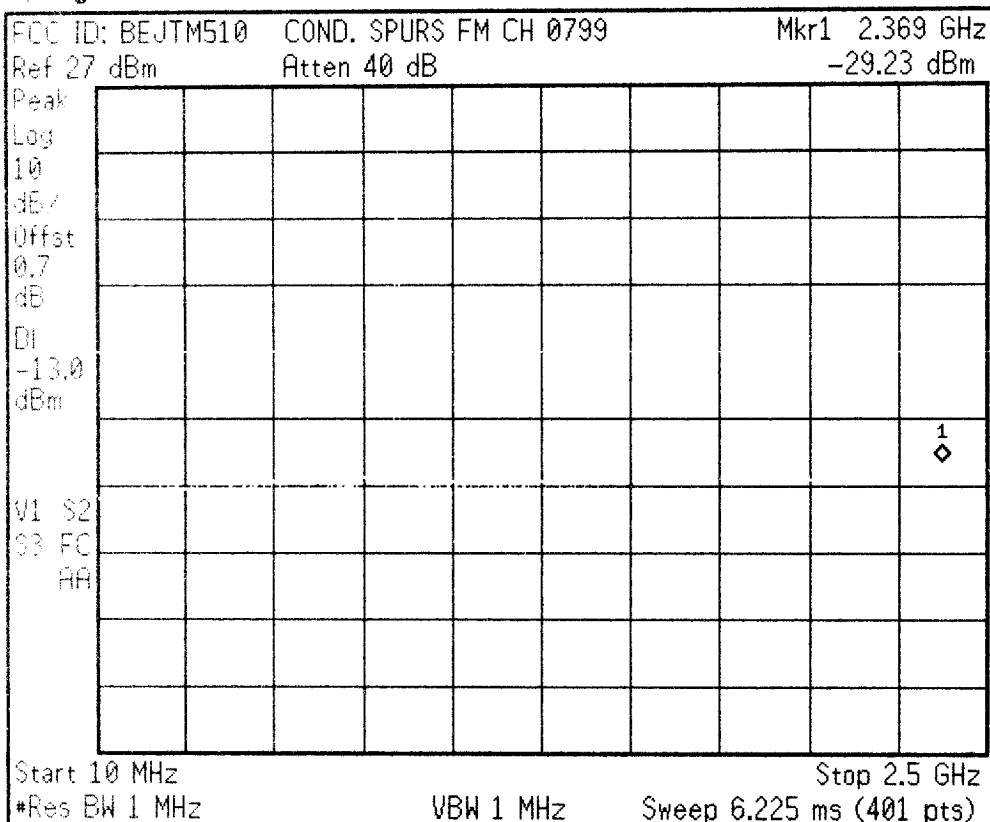
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 12:18:36 Oct 4, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

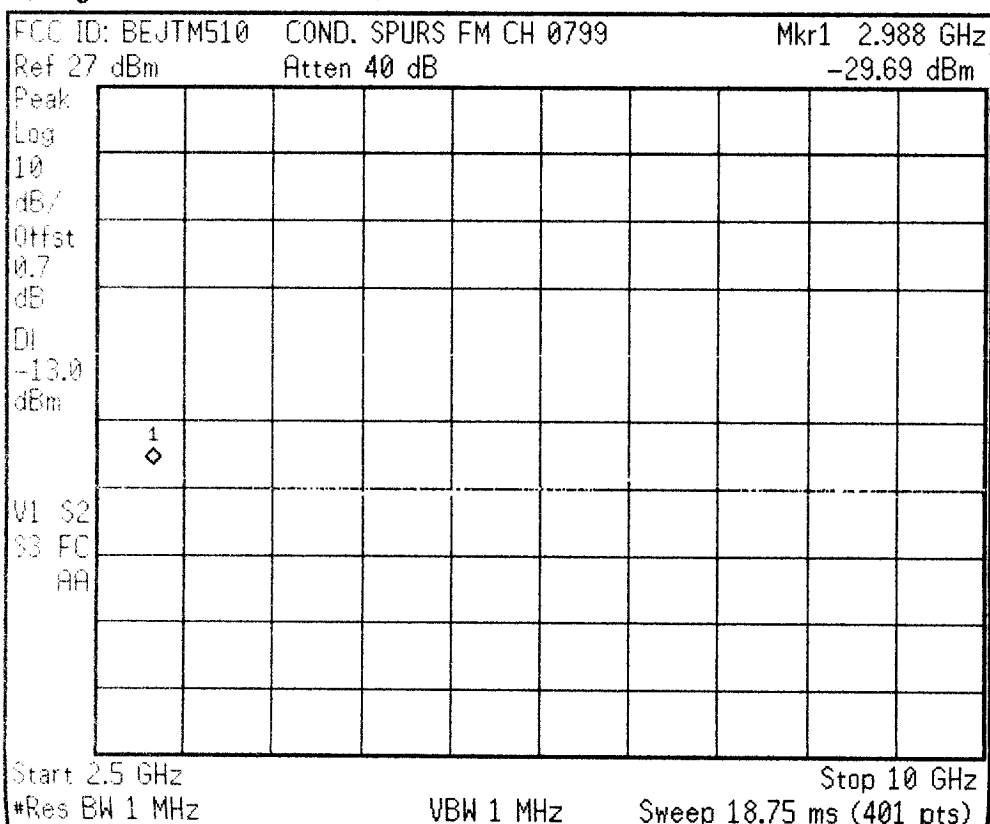
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 12:19:23 Oct 4, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

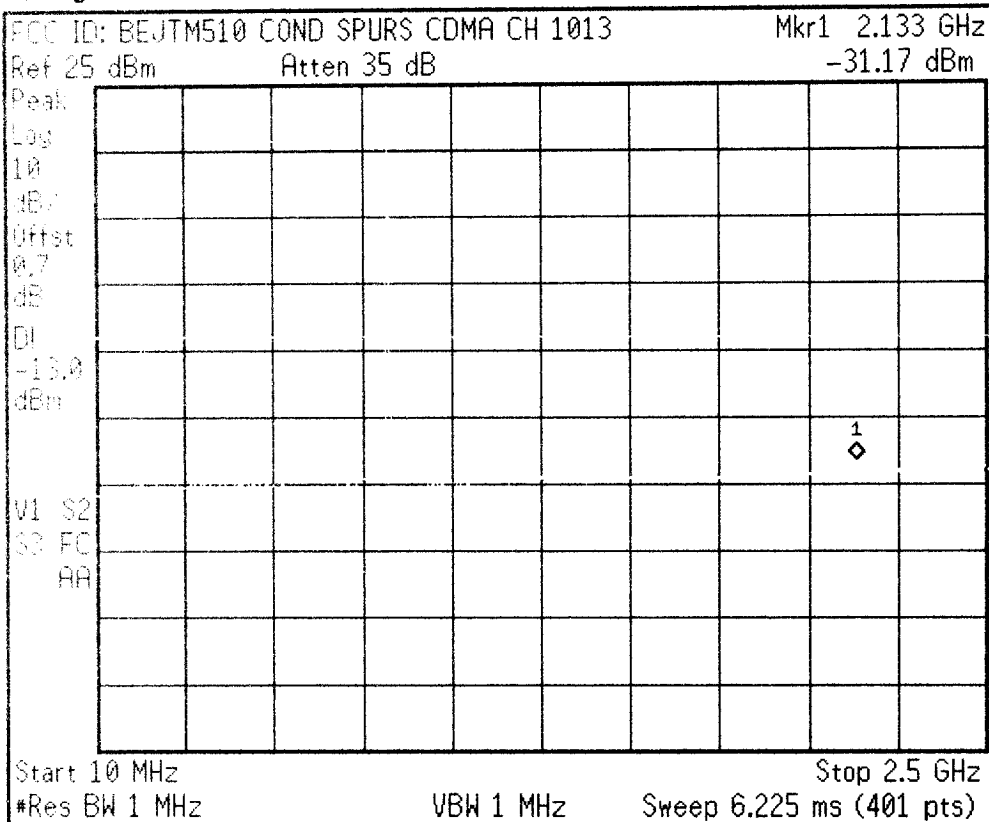
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:08:28 Oct 4, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

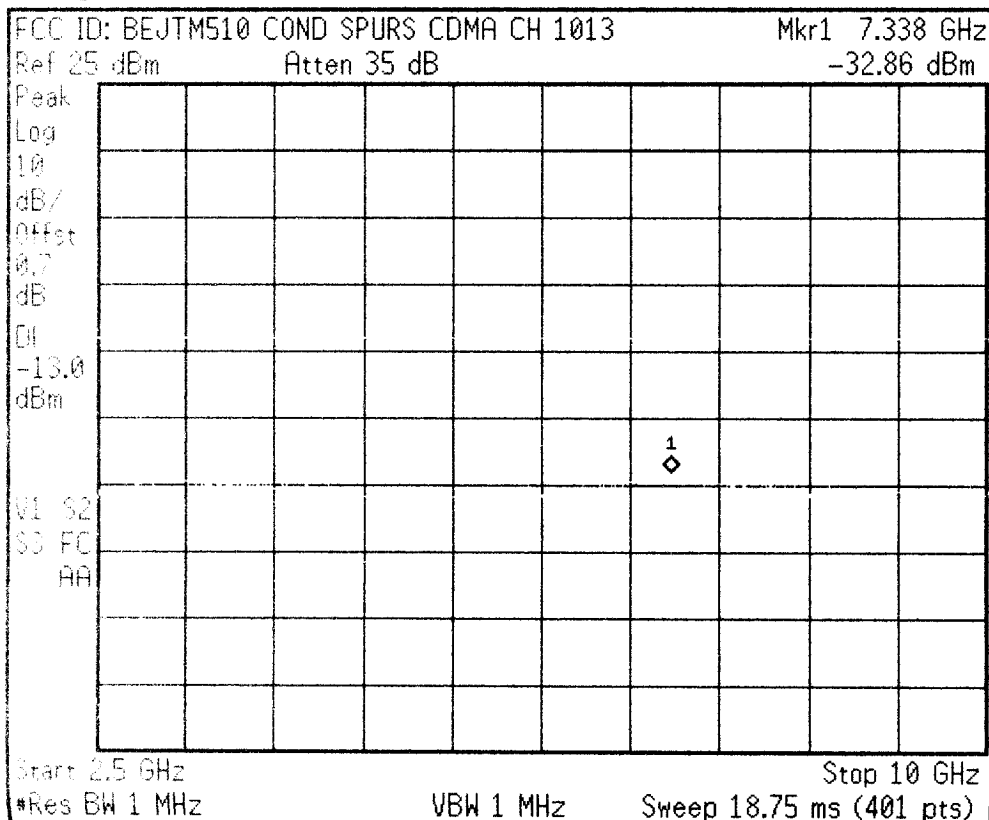
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:09:40 Oct 4, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

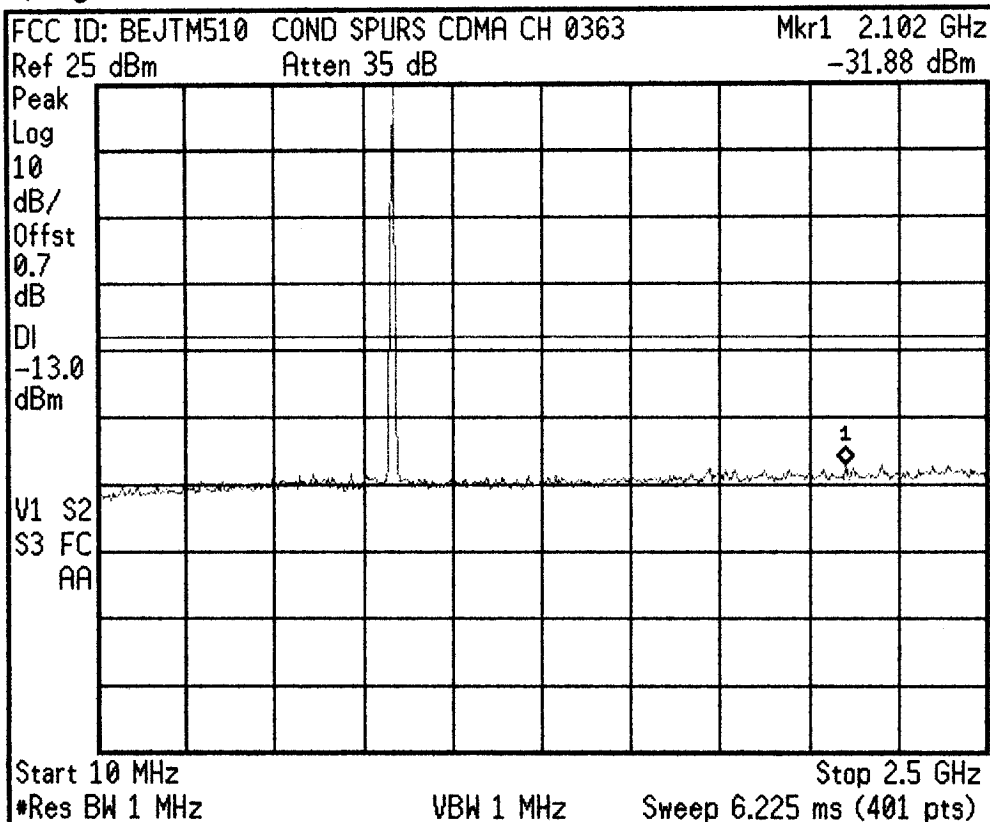
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:38:47 Oct 4, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

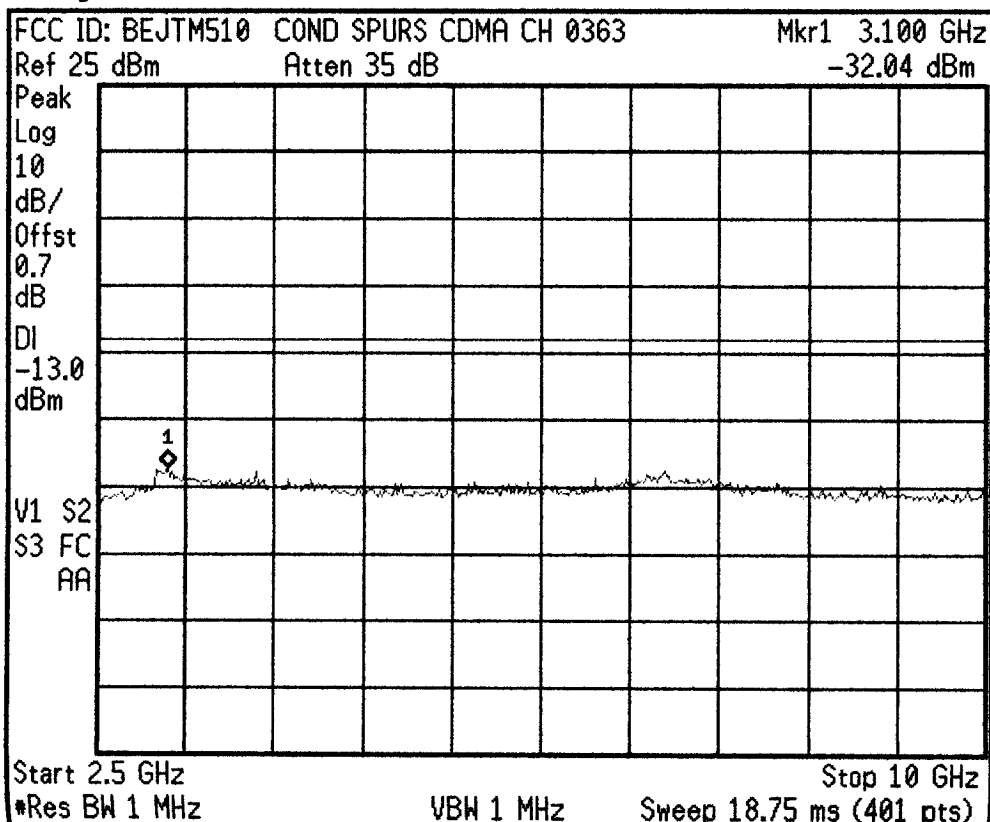
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:39:39 Oct 4, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

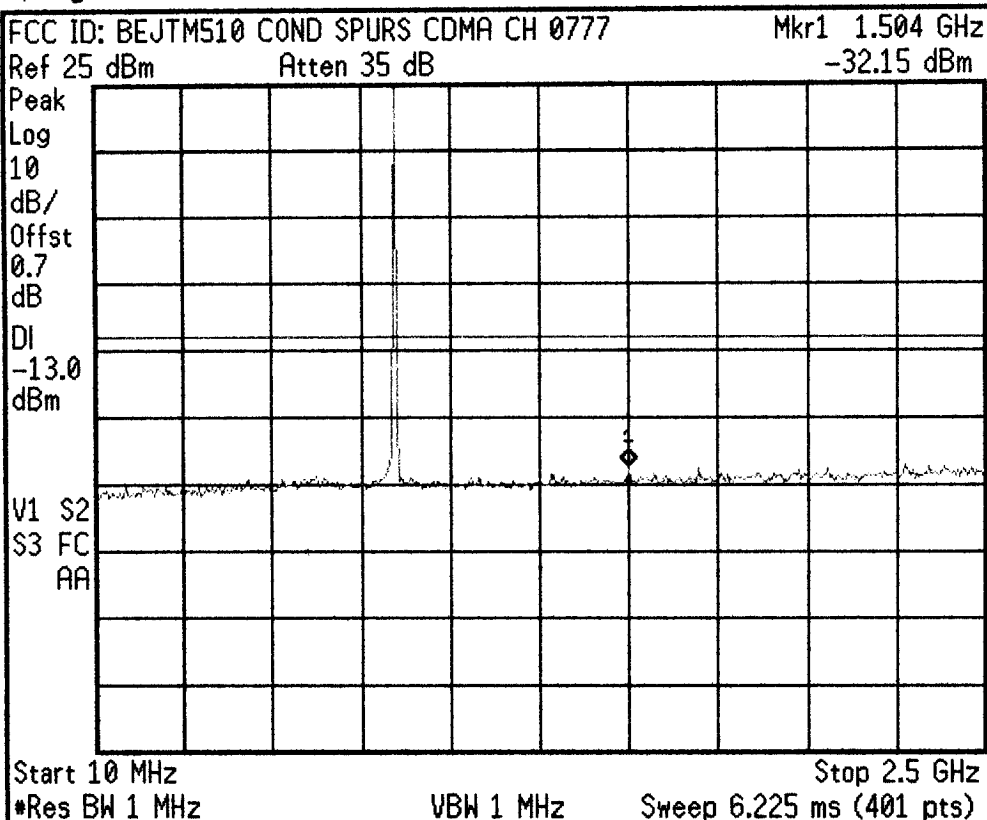
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:11:25 Oct 4, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

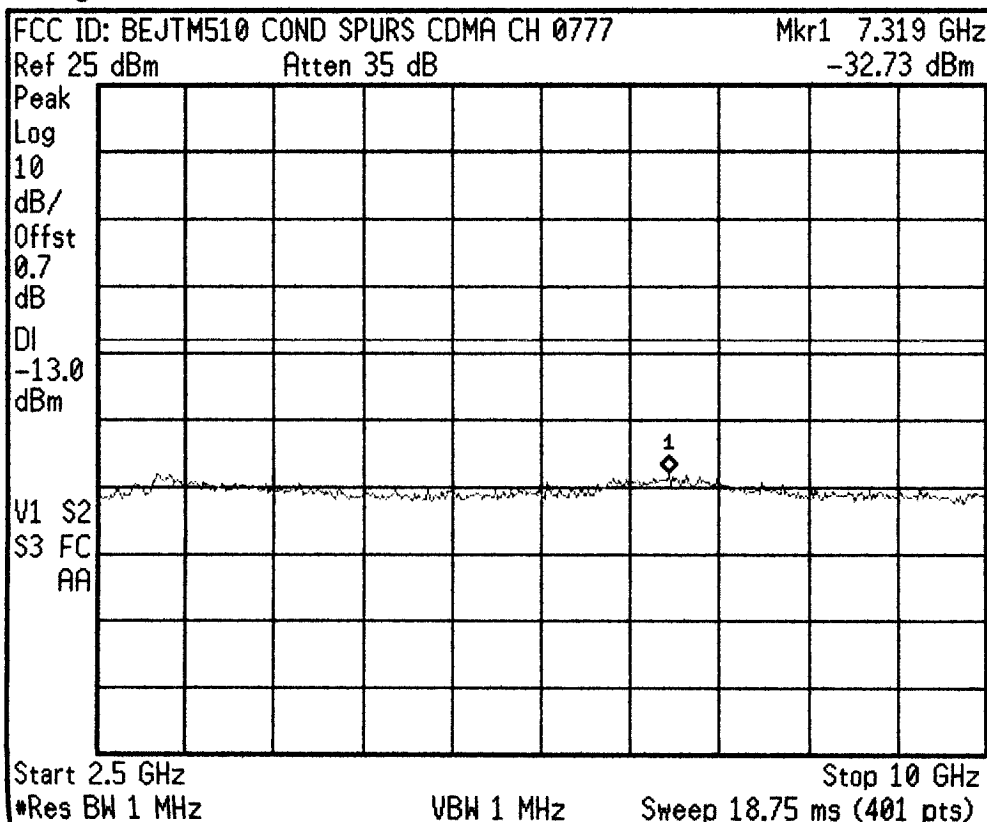
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:12:07 Oct 4, 2000



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 11:19:12 Oct 4, 2000

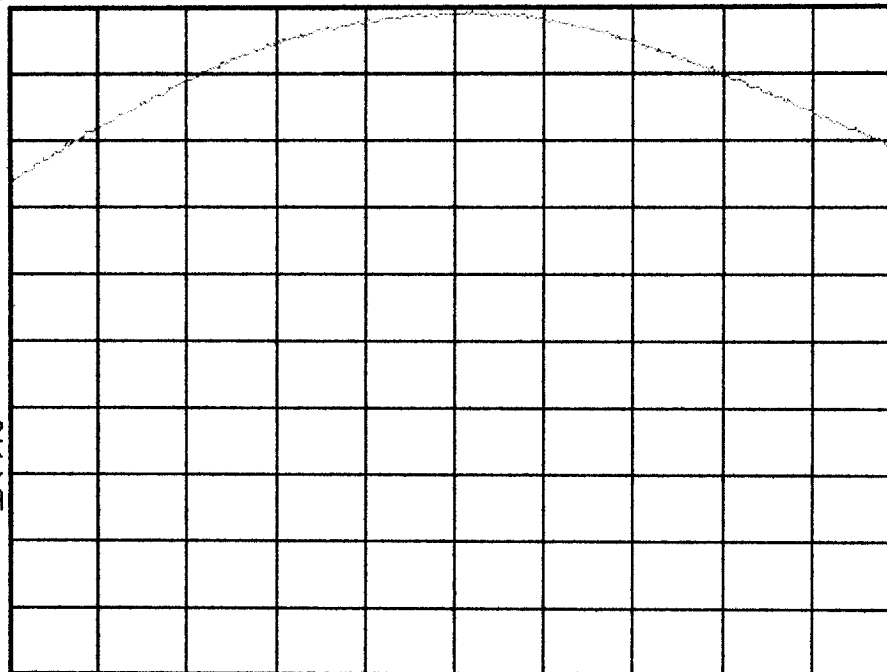
FCC ID: BEJTM510 POWER OUT CDMA CH 1013

Ref 25 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
dB

V1 S2
S3 FC
AA



Center 824.7 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 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 11:21:20 Oct 4, 2000

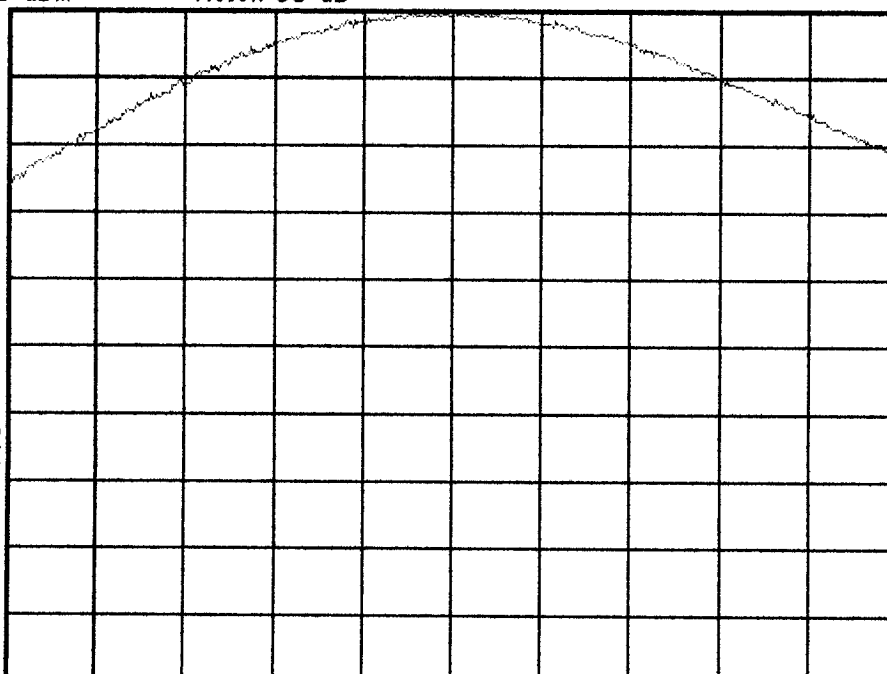
FCC ID: BEJTM510 POWER OUT CDMA CH 0777

Ref 25 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
dB

V1 S2
S3 FC
AA



Center 848.3 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 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

* Agilent 11:47:15 Oct 4, 2000

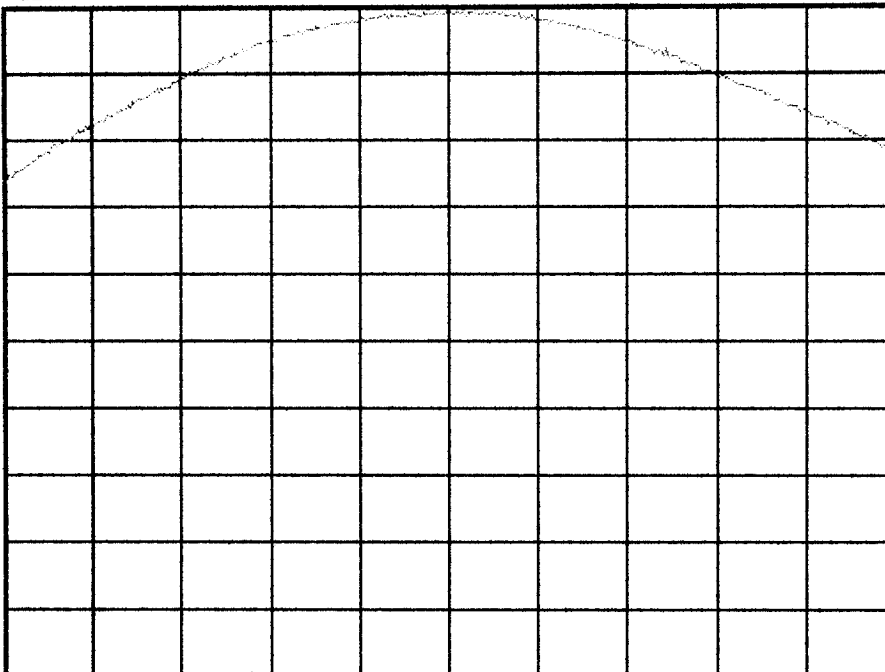
FCC ID: BEJTM510 POWER OUT CDMA CH 0363

Ref 25 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
dB

V1 S2
S3 FC
AA



Center 835.9 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 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

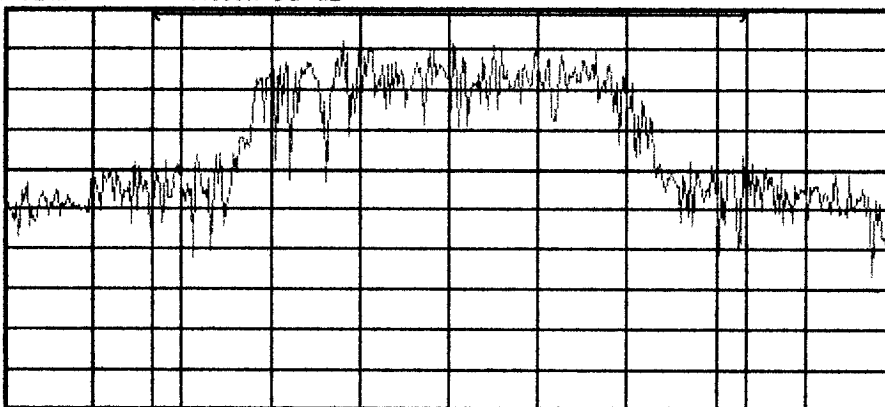
* Agilent 11:58:54 Oct 4, 2000

FCC ID: BEJTM510 POWER OUT CDMA CH 0363

Ref 25 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
0.7
dB



Center 835.9 MHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

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

Channel Power Results (idle)

Channel Power
25.00 dBm

Integration BW 2.000 MHz

Density -38.01 dBm/Hz

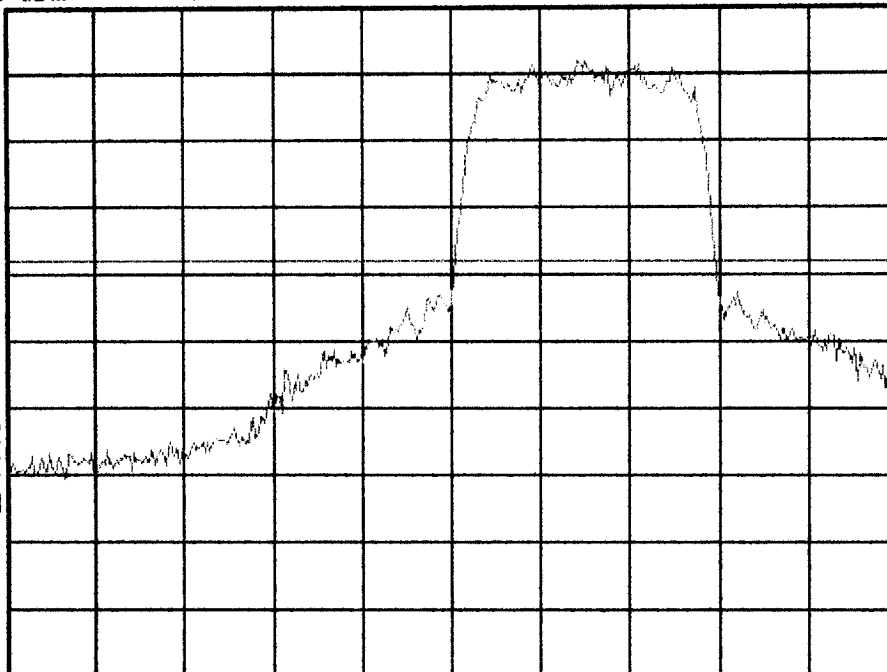
* Agilent 12:03:45 Oct 4, 2000

FCC ID: BEJTM510 CDMA CH 1013

Ref 25 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
dB
DI
-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
823.950000 MHz

Start Freq
821.450000 MHz

Stop Freq
826.450000 MHz

CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

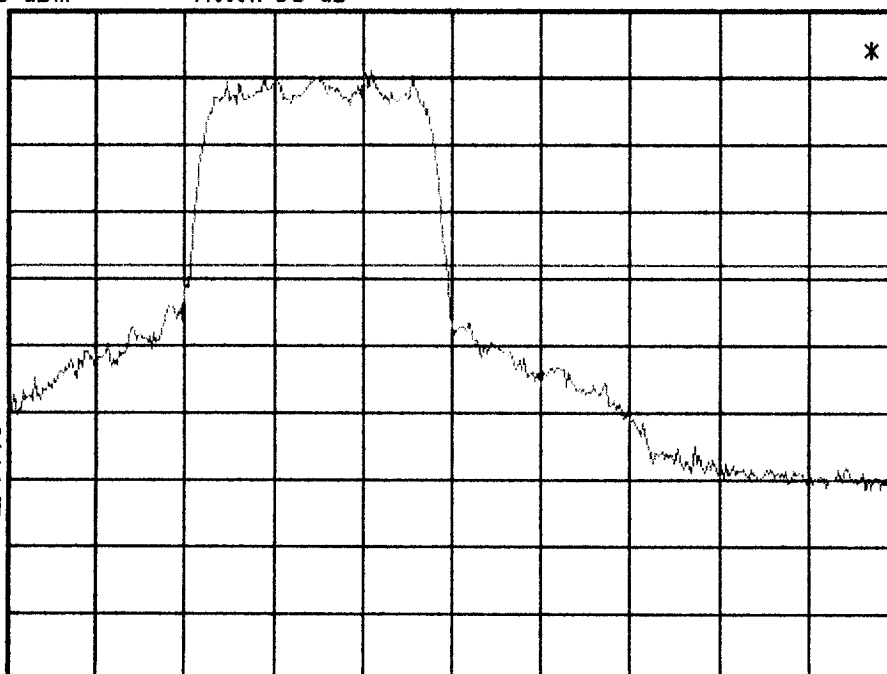
* Agilent 12:05:41 Oct 4, 2000

FCC ID: BEJTM510 CDMA CH 1013

Ref 25 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
dB
DI
-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
846.500000 MHz

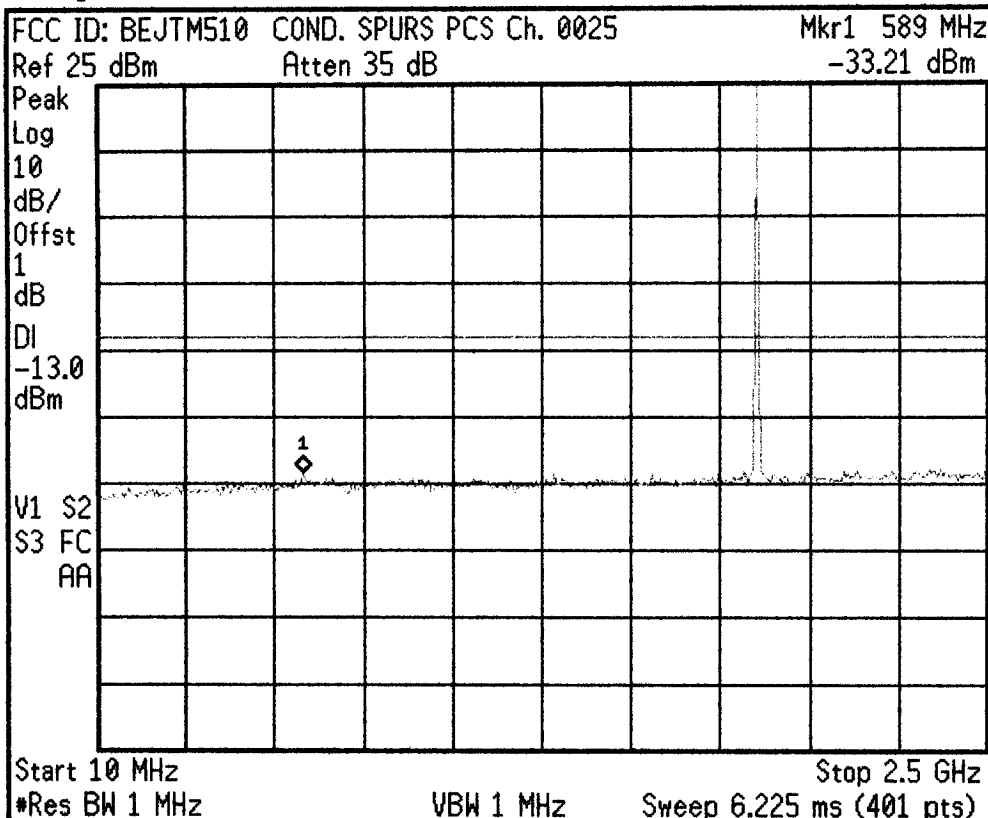
Stop Freq
851.500000 MHz

CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 06:50:27 Oct 4, 2000



Freq/Channel

Center Freq
 1.2500000 GHz

Start Freq
 10.0000000 MHz

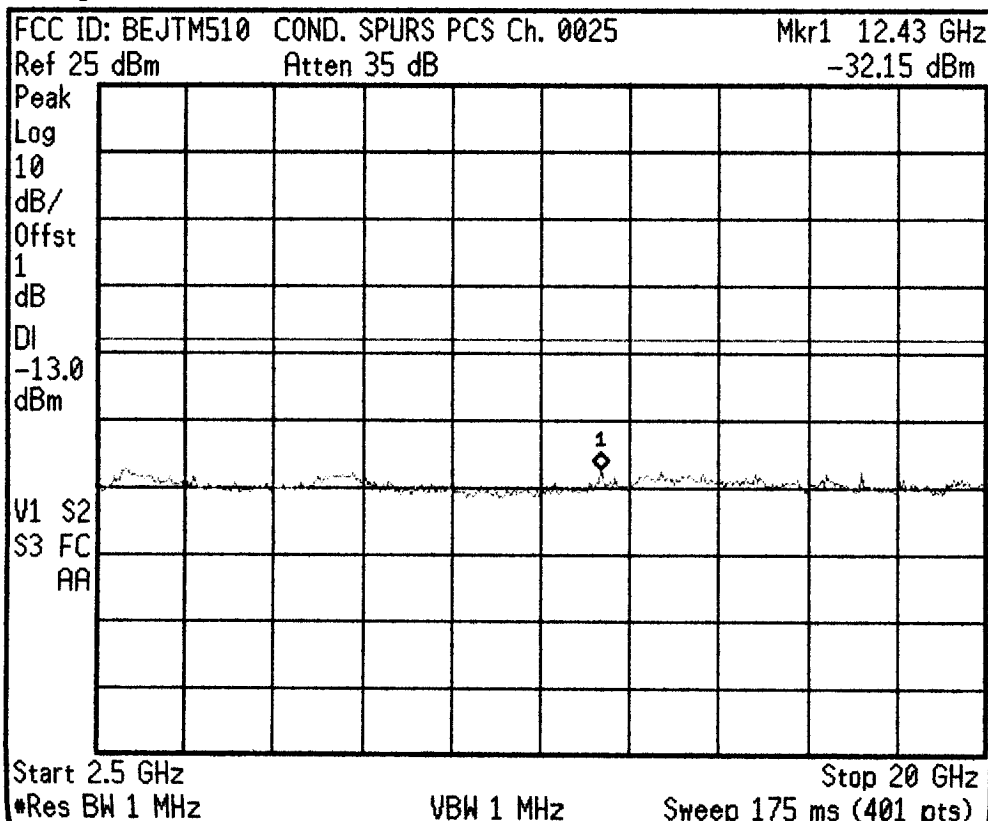
Stop Freq
 2.5000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.0000000 Hz

Signal Track
 On Off

* Agilent 06:52:20 Oct 4, 2000



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

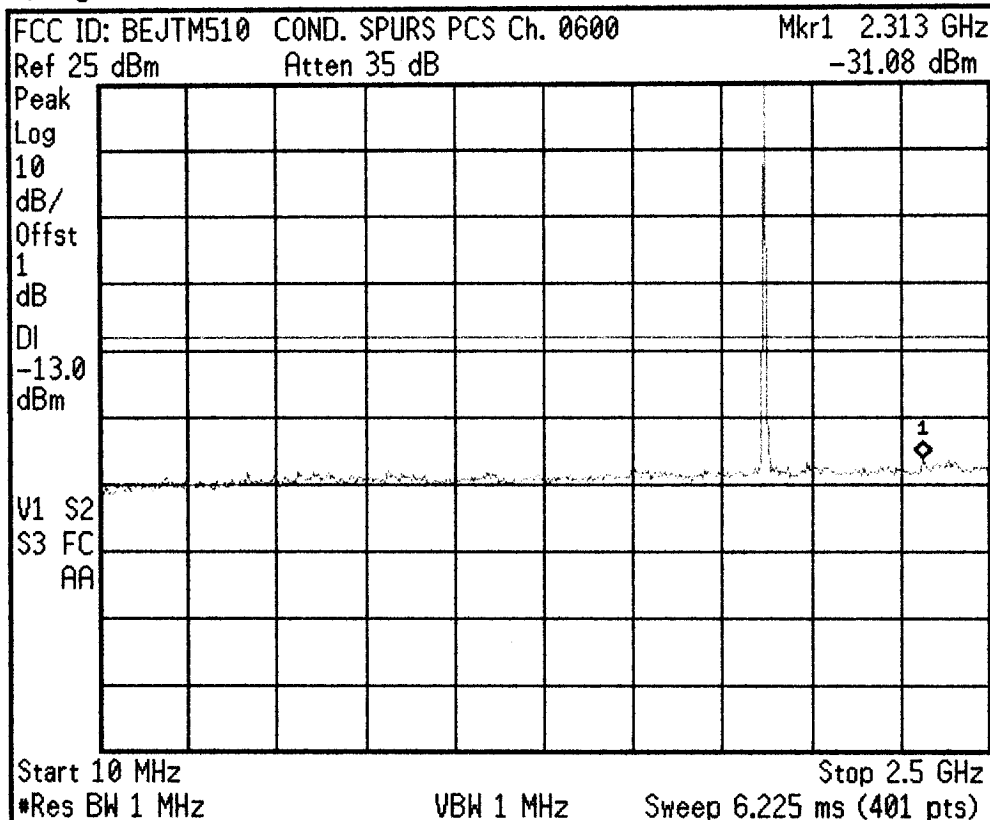
Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.0000000 Hz

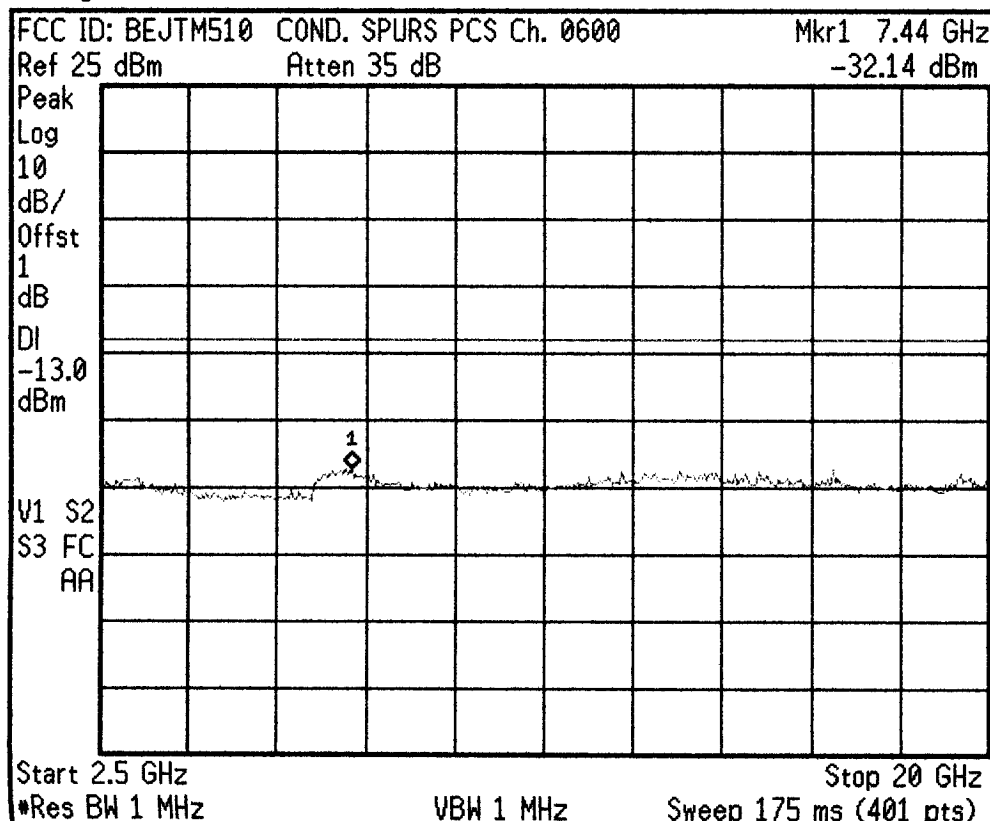
Signal Track
 On Off

* Agilent 07:01:20 Oct 4, 2000



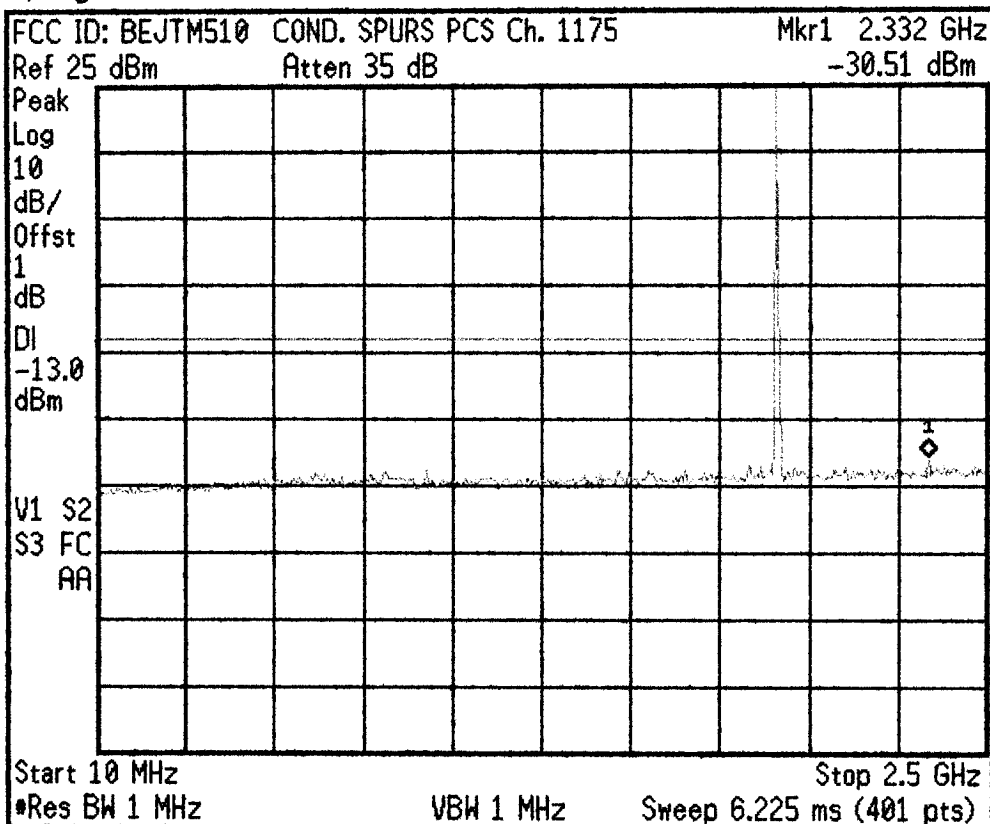
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:02:18 Oct 4, 2000



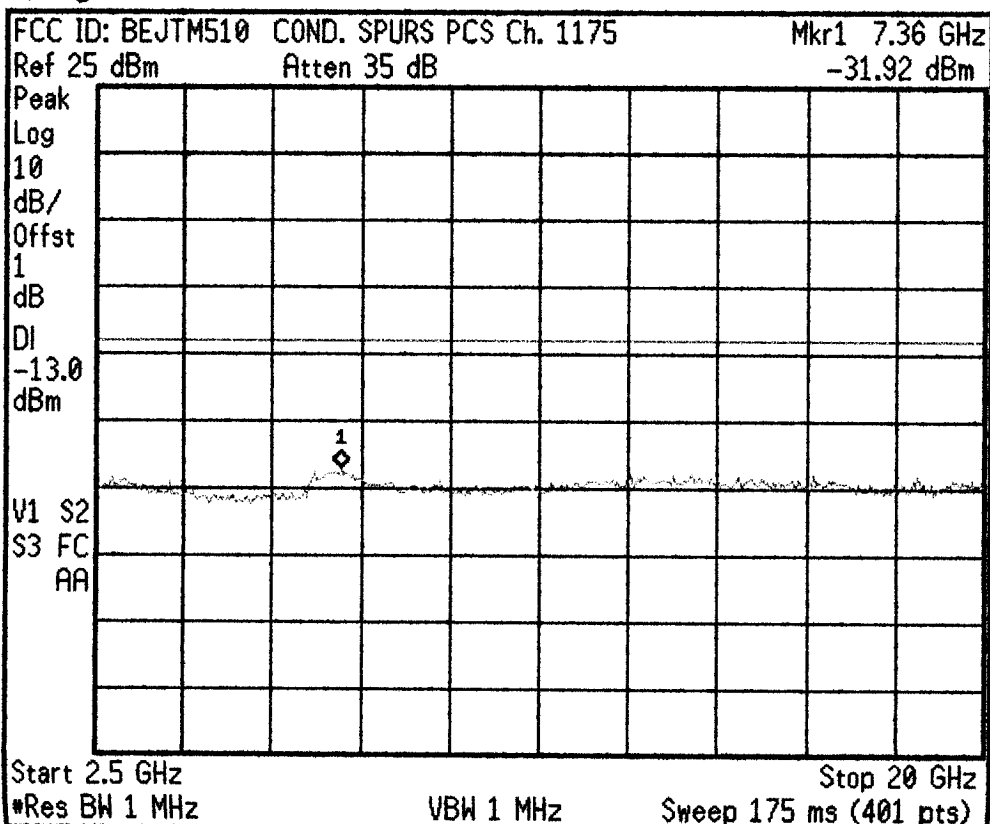
Freq/Channel
Center Freq 11.2500000 GHz
Start Freq 2.50000000 GHz
Stop Freq 20.0000000 GHz
CF Step 1.75000000 GHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:04:13 Oct 4, 2000



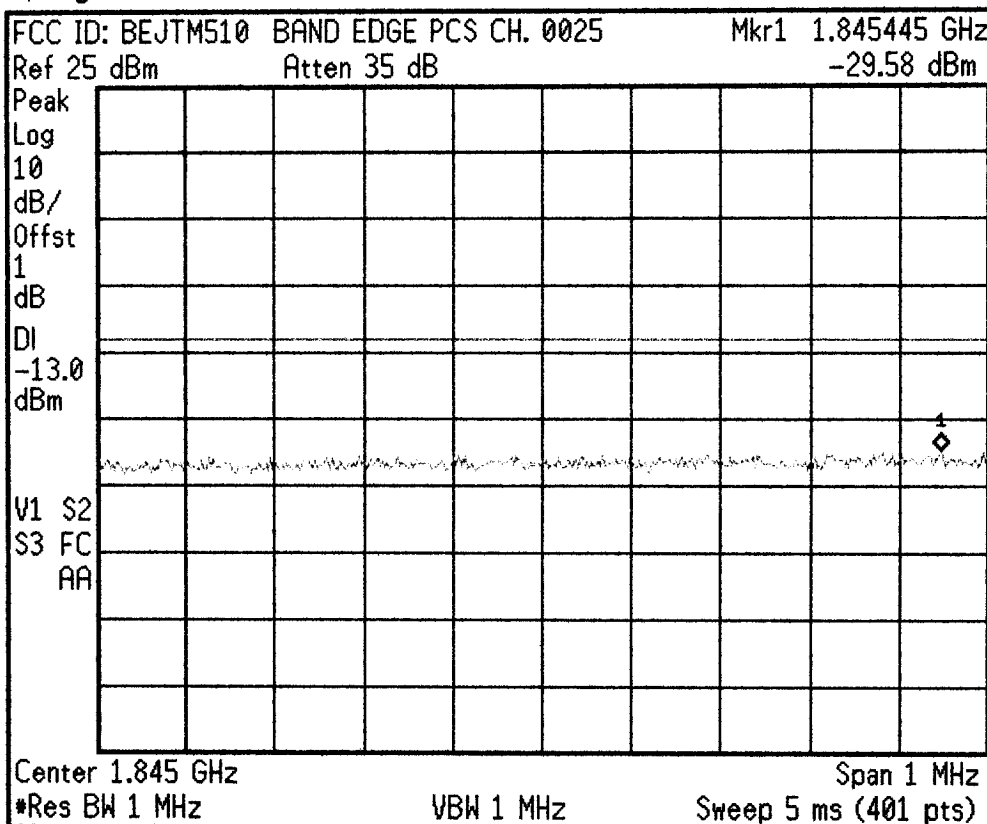
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:05:04 Oct 4, 2000



Freq/Channel
Center Freq 11.2500000 GHz
Start Freq 2.50000000 GHz
Stop Freq 20.0000000 GHz
CF Step 1.75000000 GHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 10:46:59 Oct 4, 2000



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

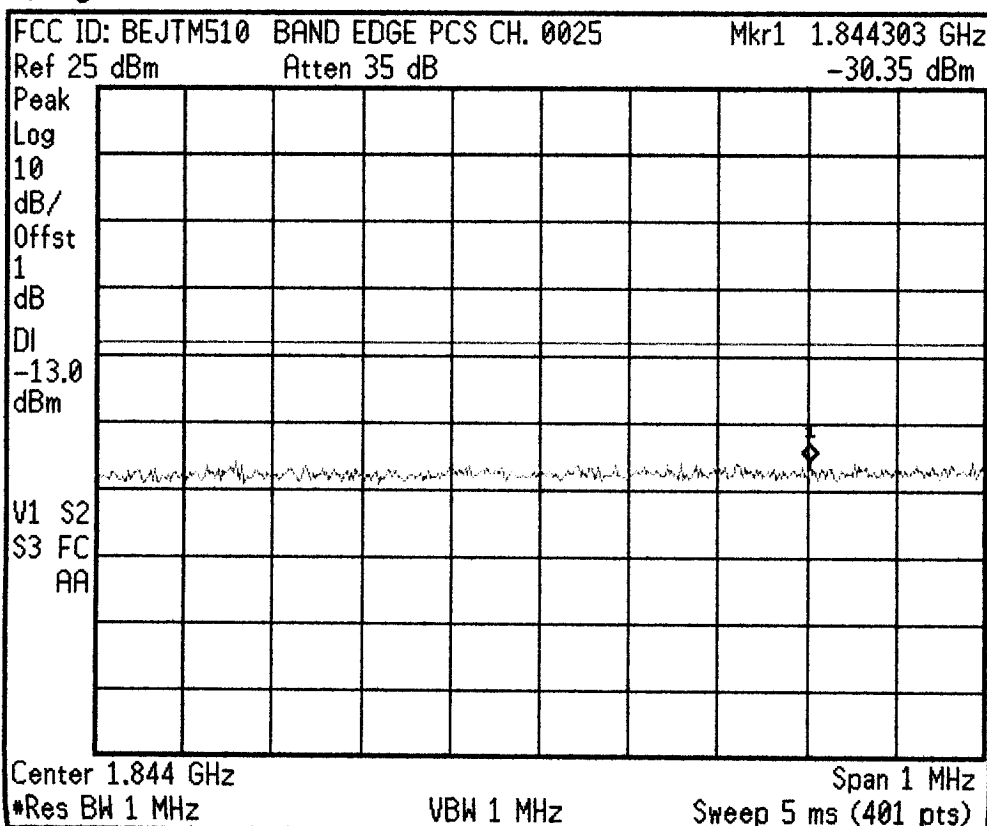
Stop Freq
 1.84550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:47:59 Oct 4, 2000



Freq/Channel

Center Freq
 1.84400000 GHz

Start Freq
 1.84350000 GHz

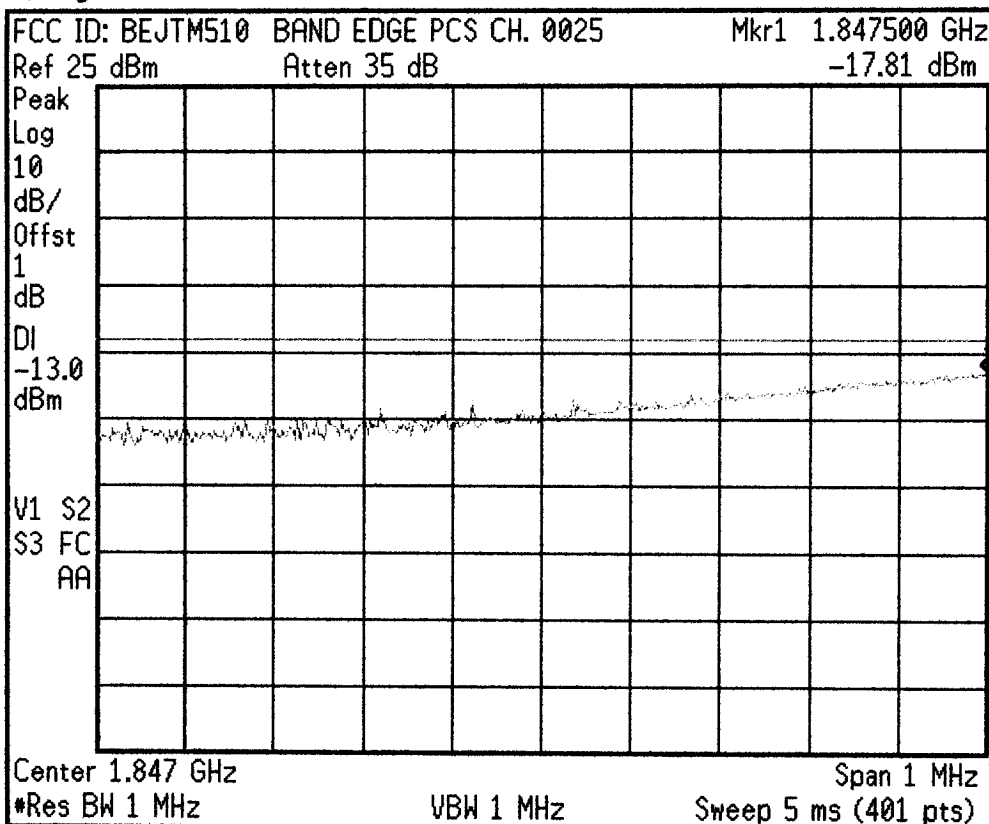
Stop Freq
 1.84450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:45:19 Oct 4, 2000



Freq/Channel

Center Freq
 1.84700000 GHz

Start Freq
 1.84650000 GHz

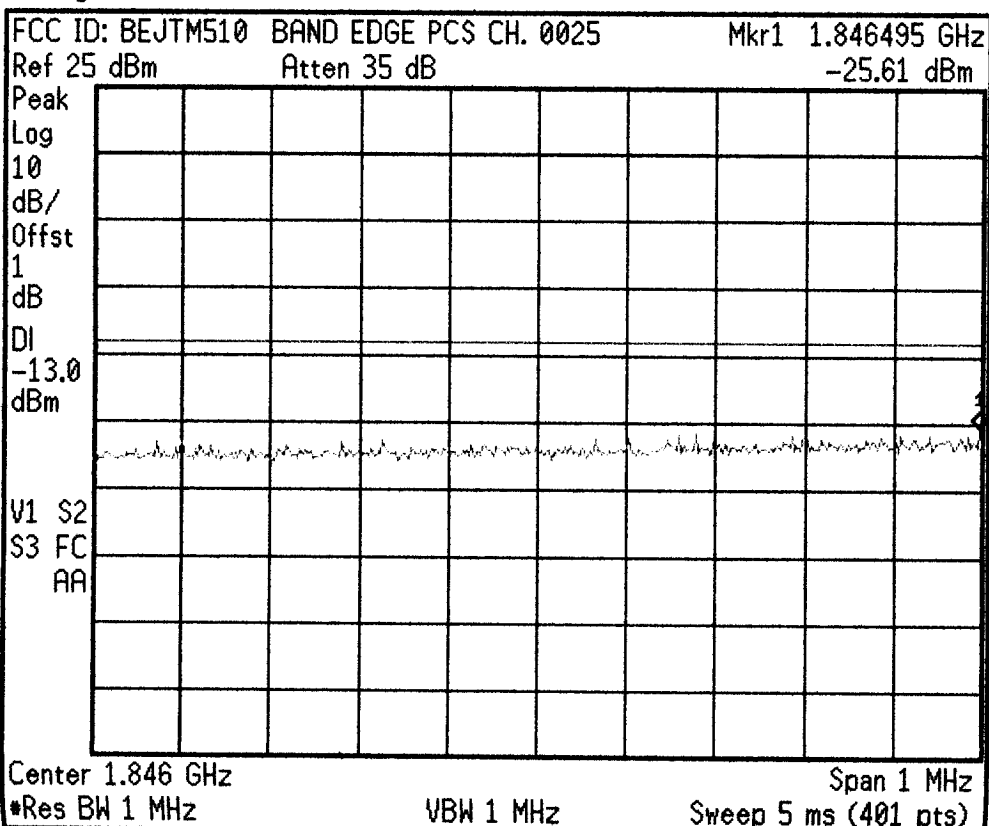
Stop Freq
 1.84750000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:46:14 Oct 4, 2000



Freq/Channel

Center Freq
 1.84600000 GHz

Start Freq
 1.84550000 GHz

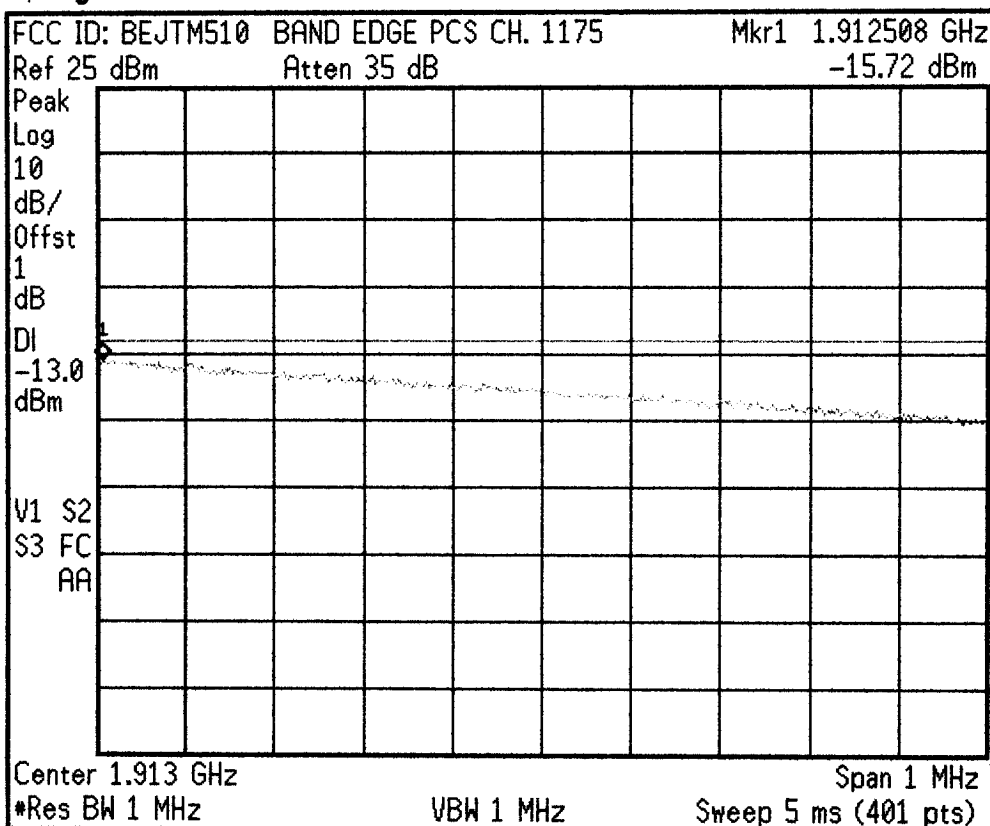
Stop Freq
 1.84650000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:49:48 Oct 4, 2000



Freq/Channel

Center Freq
 1.91300000 GHz

Start Freq
 1.91250000 GHz

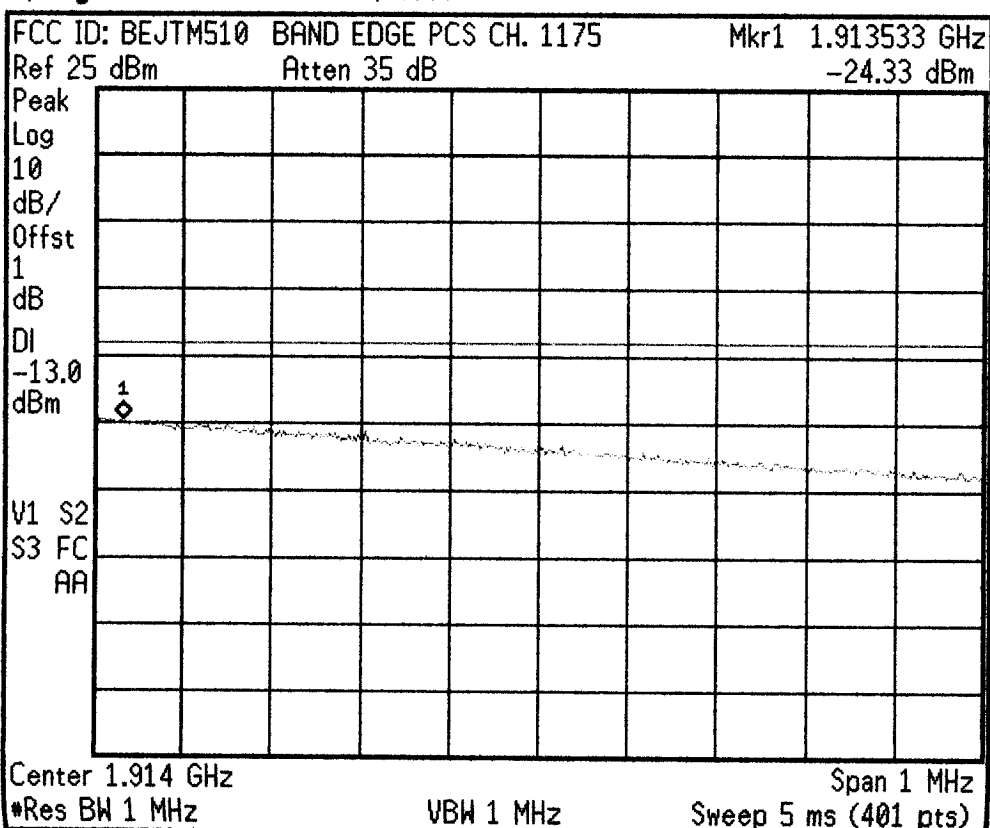
Stop Freq
 1.91350000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:50:40 Oct 4, 2000



Freq/Channel

Center Freq
 1.91400000 GHz

Start Freq
 1.91350000 GHz

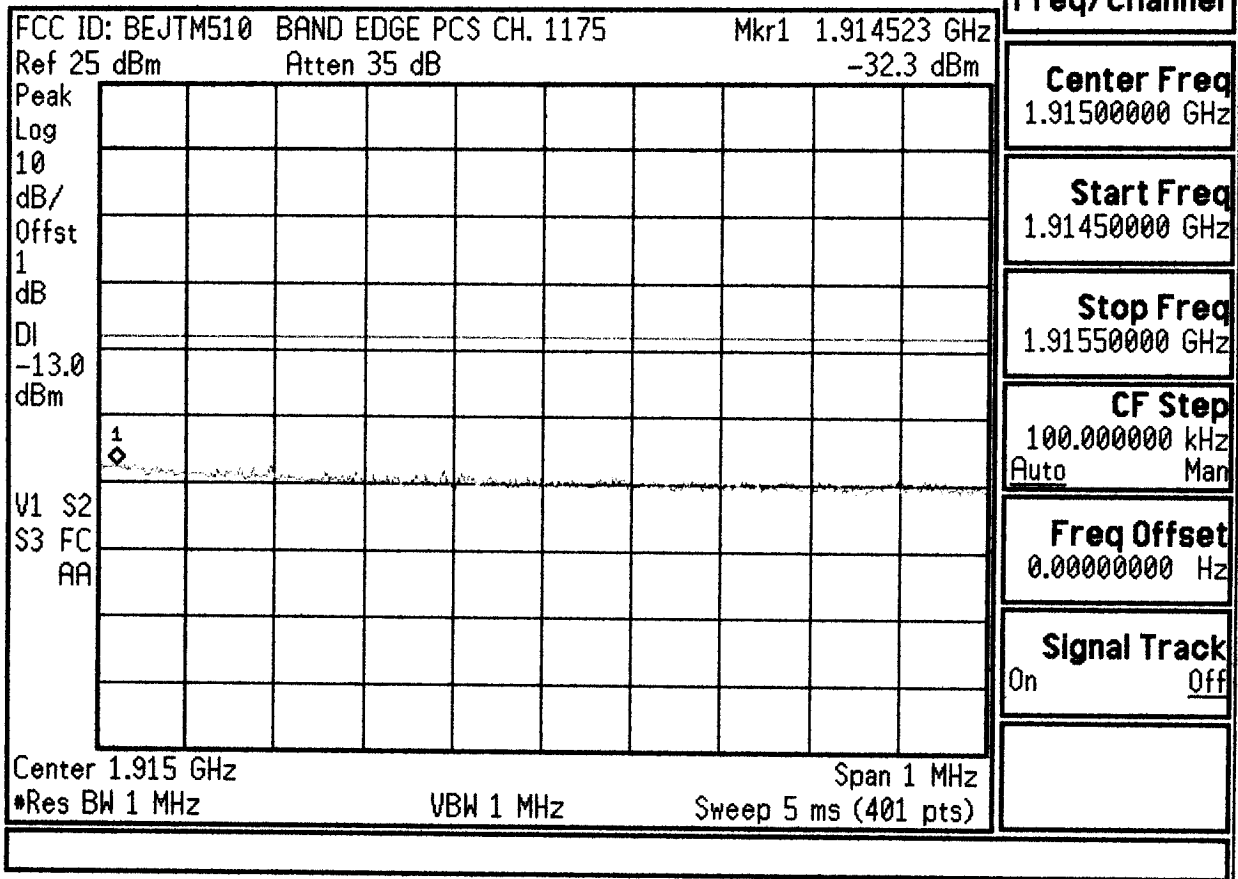
Stop Freq
 1.91450000 GHz

CF Step
 100.000000 kHz
 Auto Man

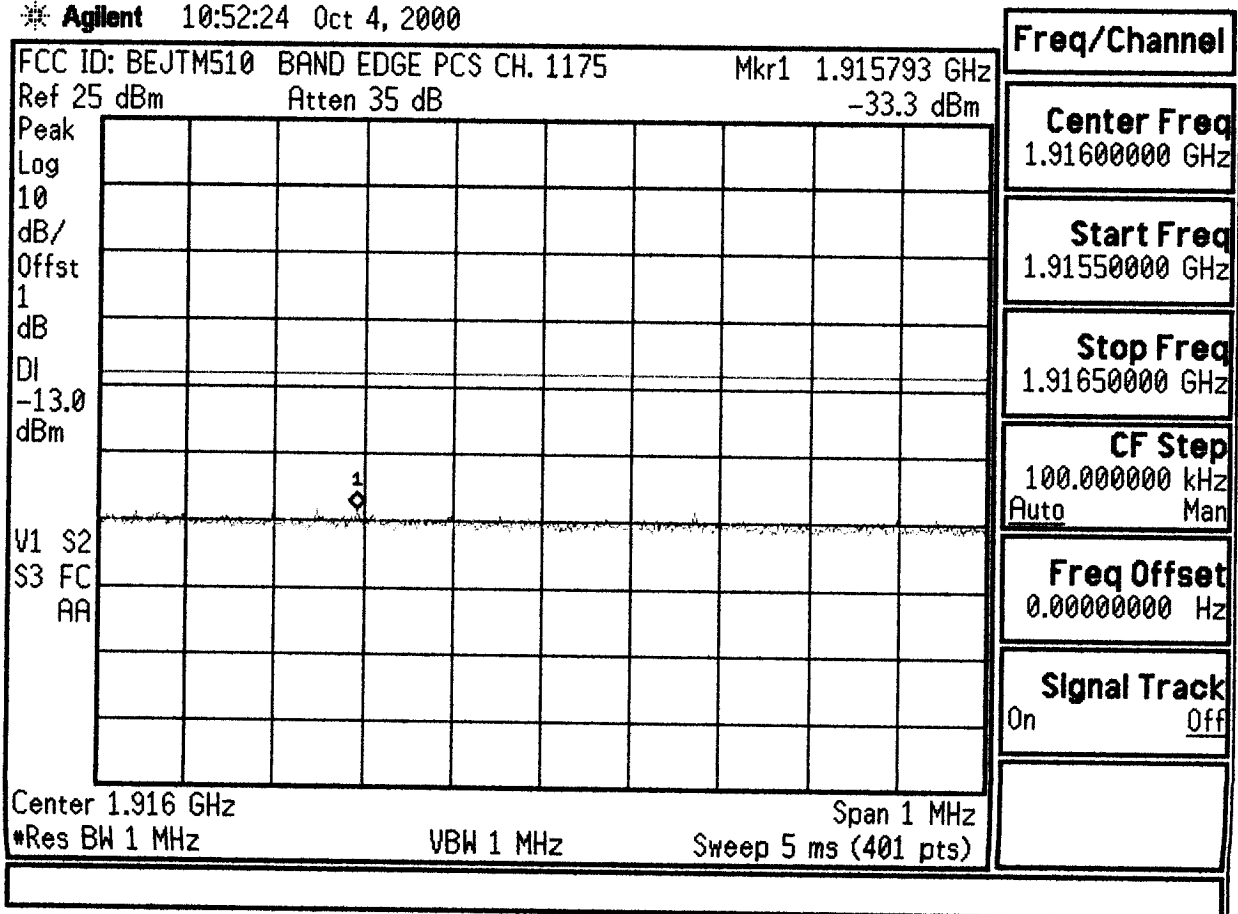
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:51:29 Oct 4, 2000



* Agilent 10:52:24 Oct 4, 2000



* Agilent 10:09:37 Oct 4, 2000

FCC ID: BEJTM510 POWER OUT PCS CH. 1175

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

V1 S2

S3 FC

AA

Center 1.909 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

1.90900000 GHz

Start Freq

1.90400000 GHz

Stop Freq

1.91400000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

* Agilent 10:12:28 Oct 4, 2000

FCC ID: BEJTM510 POWER OUT PCS CH. 0600

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

V1 S2

S3 FC

AA

Center 1.88 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

1.88000000 GHz

Start Freq

1.87500000 GHz

Stop Freq

1.88500000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

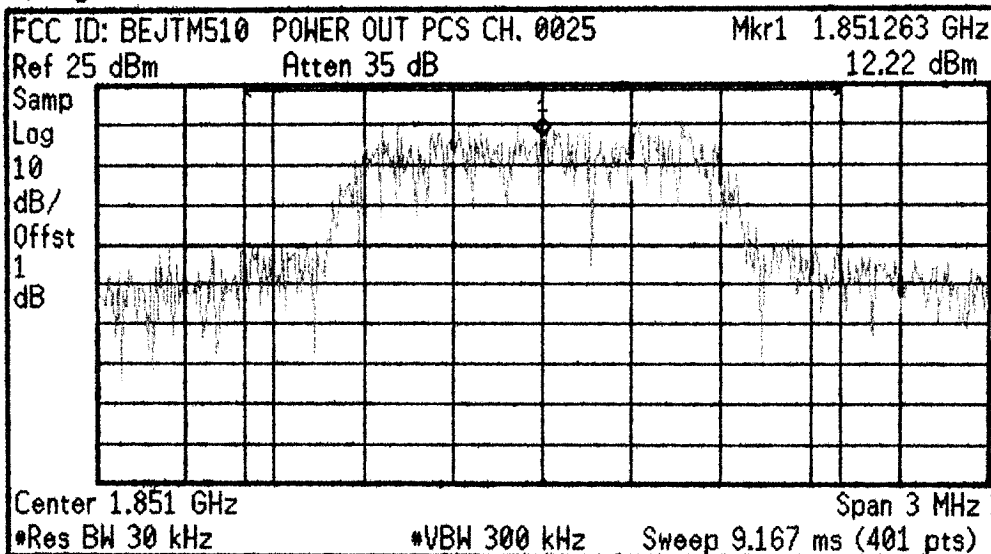
0.00000000 Hz

Signal Track

On

Off

* Agilent 10:23:51 Oct 4, 2000



Channel Power Results (idle)

Channel Power
25.00 dBm

Integration BW 2.000 MHz

Density -38.01 dBm/Hz

Freq/Channel

Center Freq
 1.85126300 GHz

Start Freq
 1.84976300 GHz

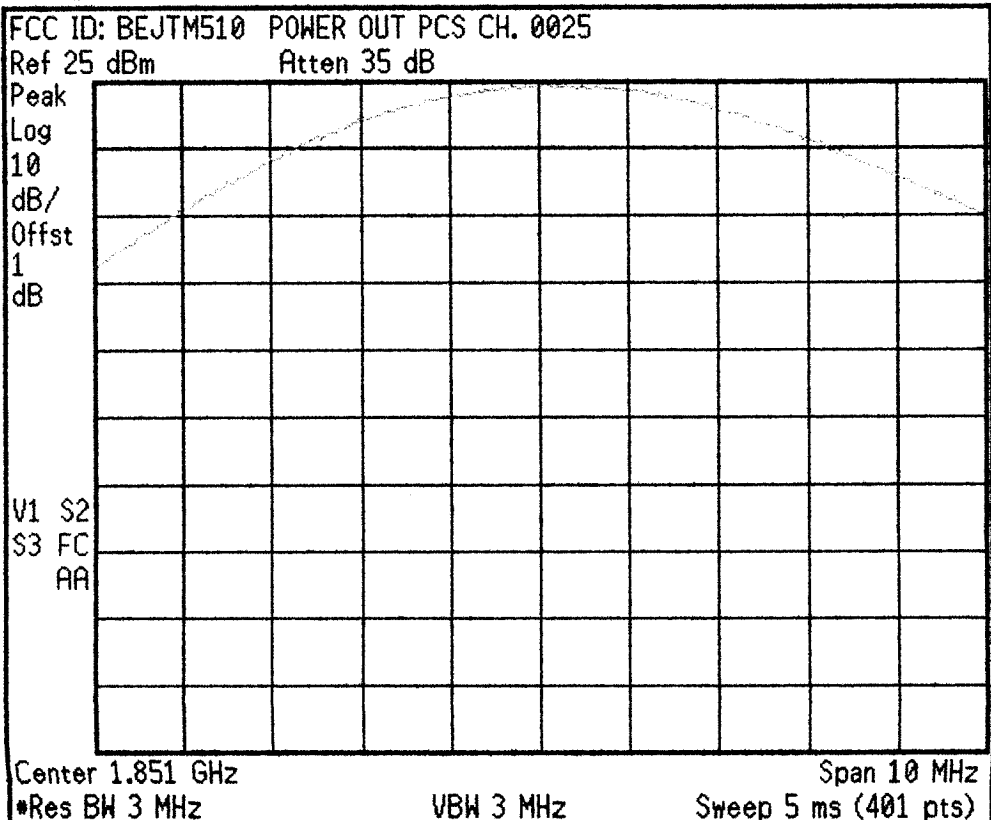
Stop Freq
 1.85276300 GHz

CF Step
 300.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:15:02 Oct 4, 2000



Freq/Channel

Center Freq
 1.85100000 GHz

Start Freq
 1.84600000 GHz

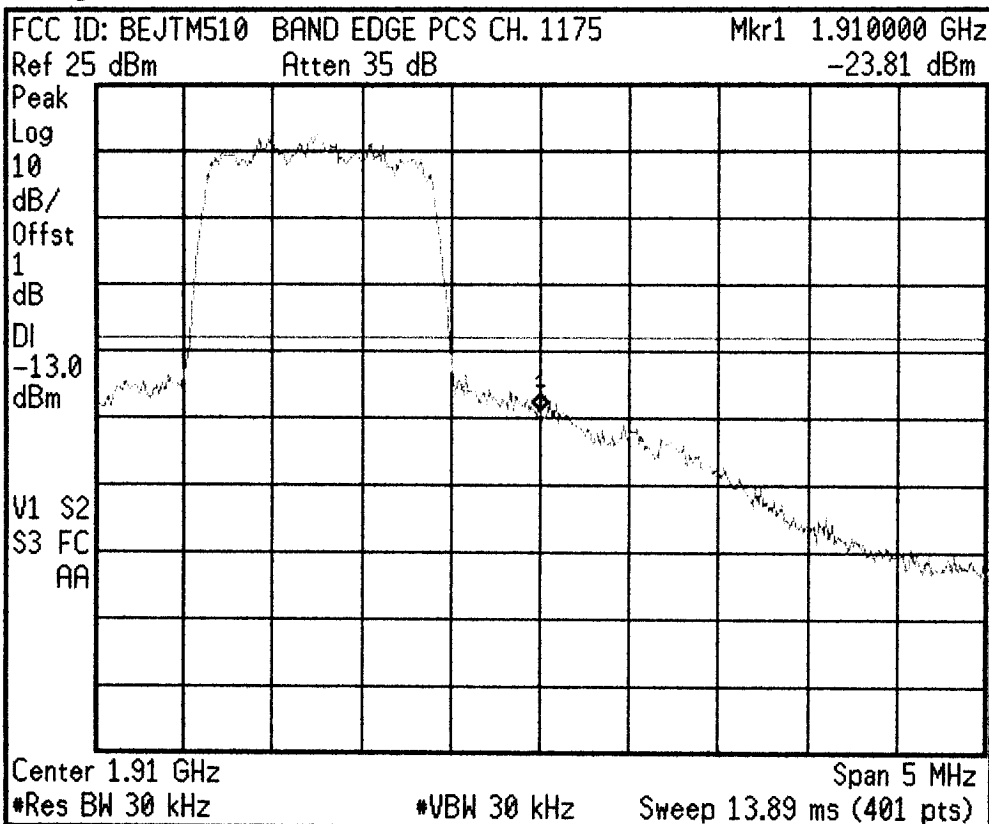
Stop Freq
 1.85600000 GHz

CF Step
 1.00000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:39:38 Oct 4, 2000



Freq/Channel

Center Freq
 1.91000000 GHz

Start Freq
 1.90750000 GHz

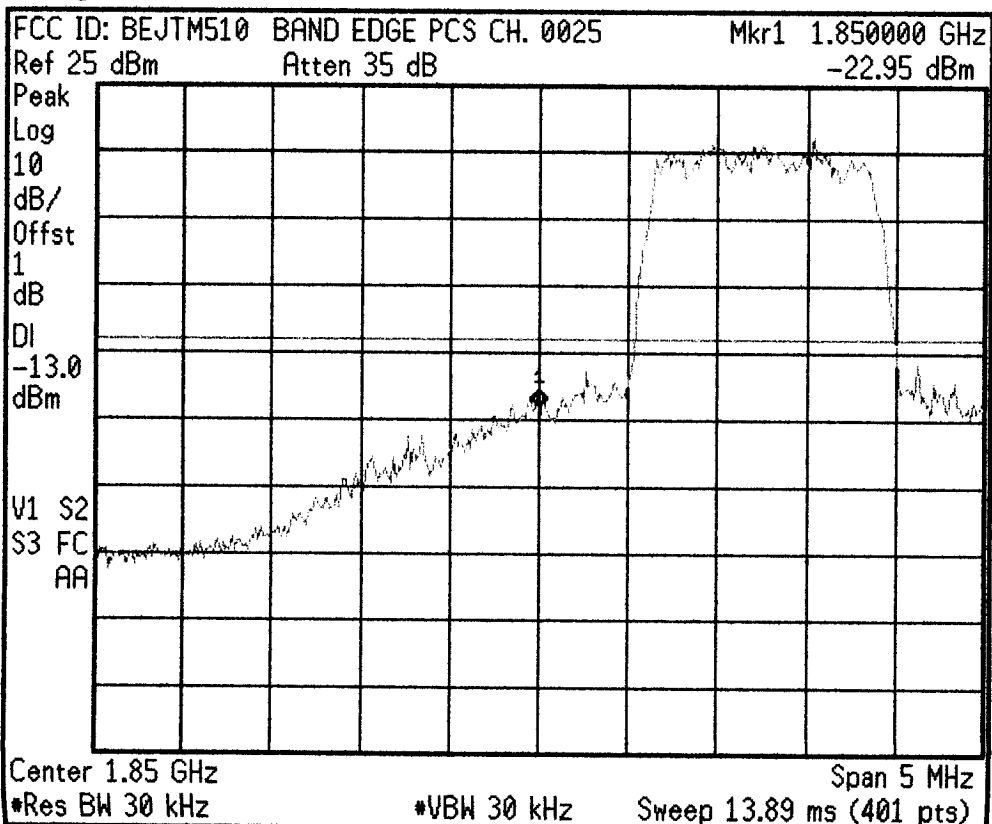
Stop Freq
 1.91250000 GHz

CF Step
 500.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:41:39 Oct 4, 2000



Freq/Channel

Center Freq
 1.85000000 GHz

Start Freq
 1.84750000 GHz

Stop Freq
 1.85250000 GHz

CF Step
 500.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:55:47 Oct 4, 2000

FCC ID: BEJTM510 POWER OUT PCS CH. 0600

Ref 25 dBm

Atten 35 dB

Samp

Log

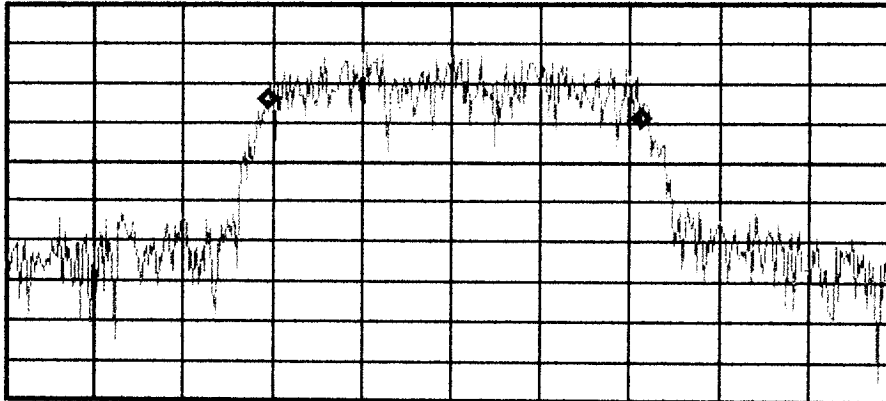
10

dB/

Offst

1

dB



Center 1.88 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Occupied Bandwidth Results (idle)

Occupied Bandwidth

Occ BW % Pwr 99.00 %

1.250 MHz

Transmit Freq Error 11.56 kHz

Freq/Channel

Center Freq

1.88000000 GHz

Start Freq

1.87850000 GHz

Stop Freq

1.88150000 GHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

~~/~~ FCC ID: BEJTM510 FM MODE

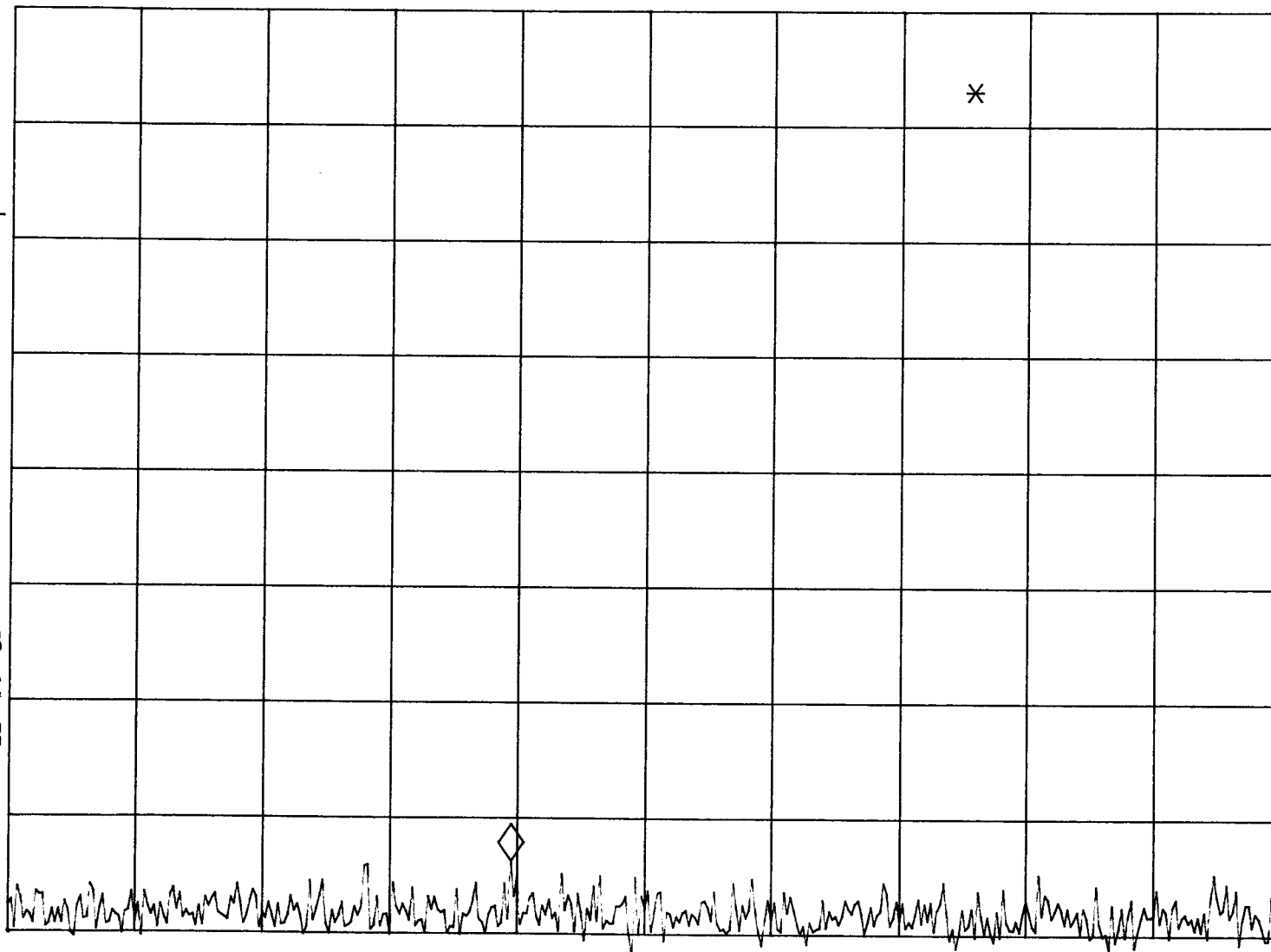
MKR 878.87 MHz

REF -60.0 dBm ATTEN 10 dB PG 25.0 dB

-96.85 dBm

PEAK
LOG
5
dB/
OFFST
6.0
dB

VA VB
SC FC
CORR



START 869.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

STOP 894.00 MHz

SWP 20 msec