

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM520

LG Electronics

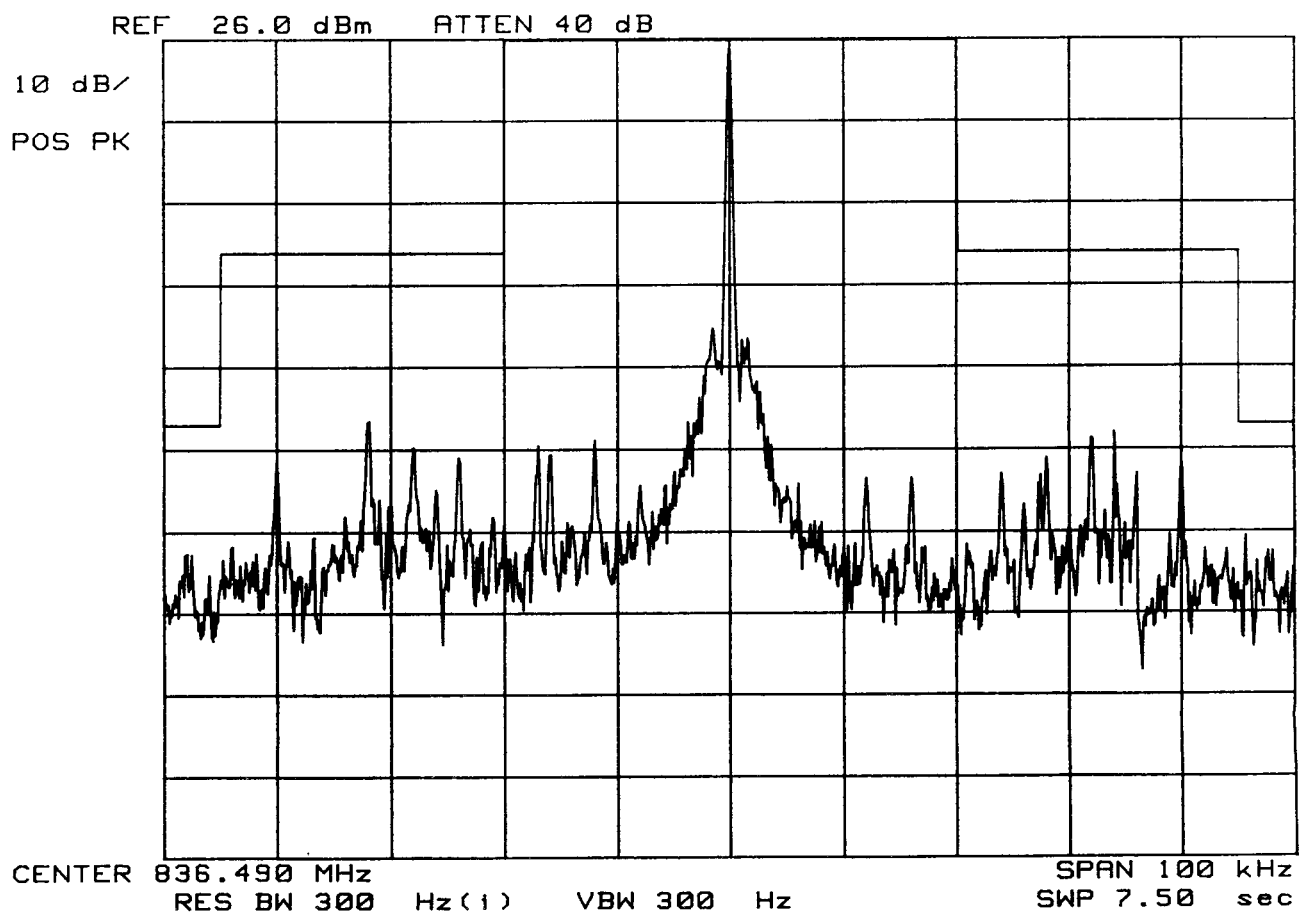
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM520

LG Electronics

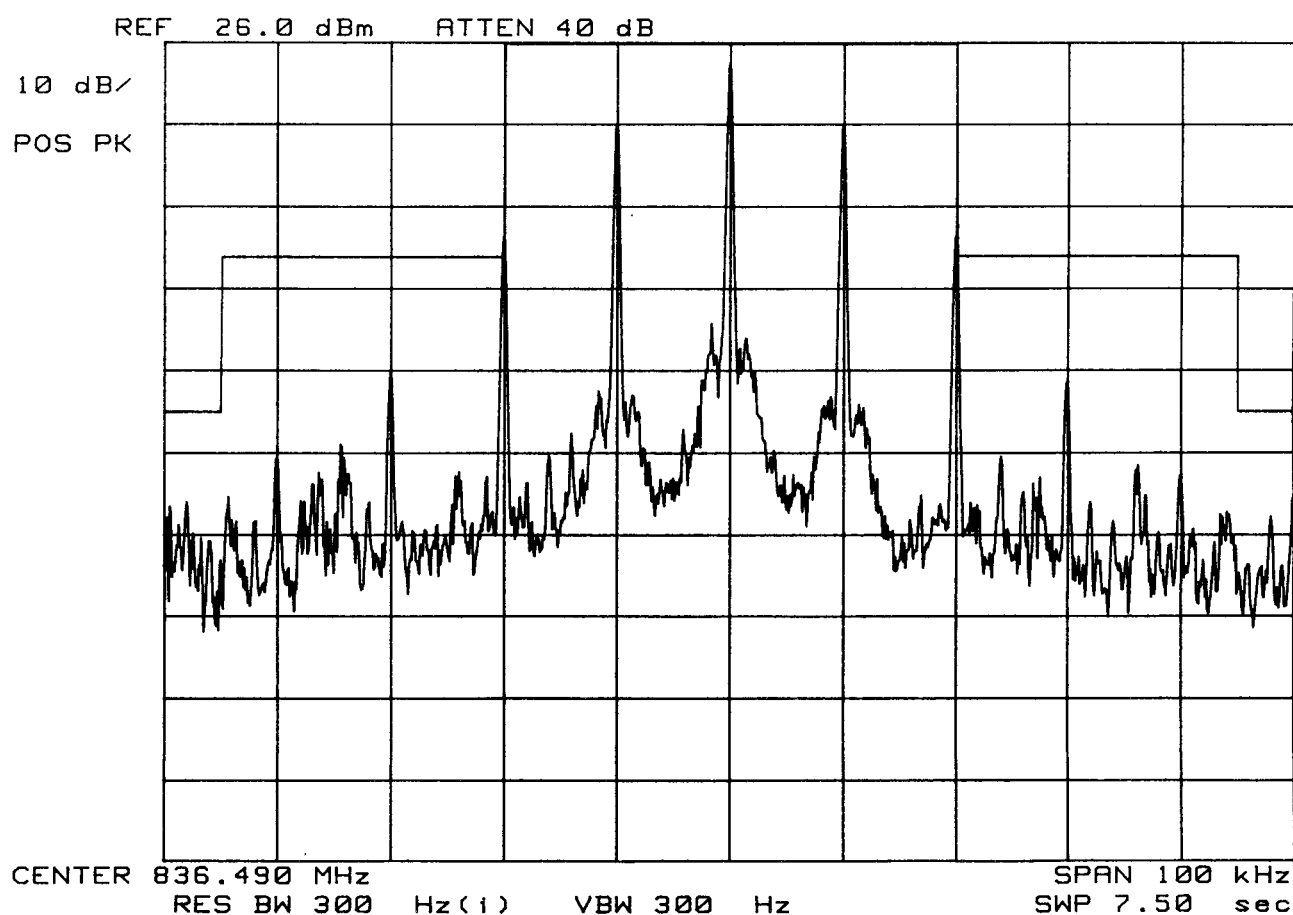
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM520

LG Electronics

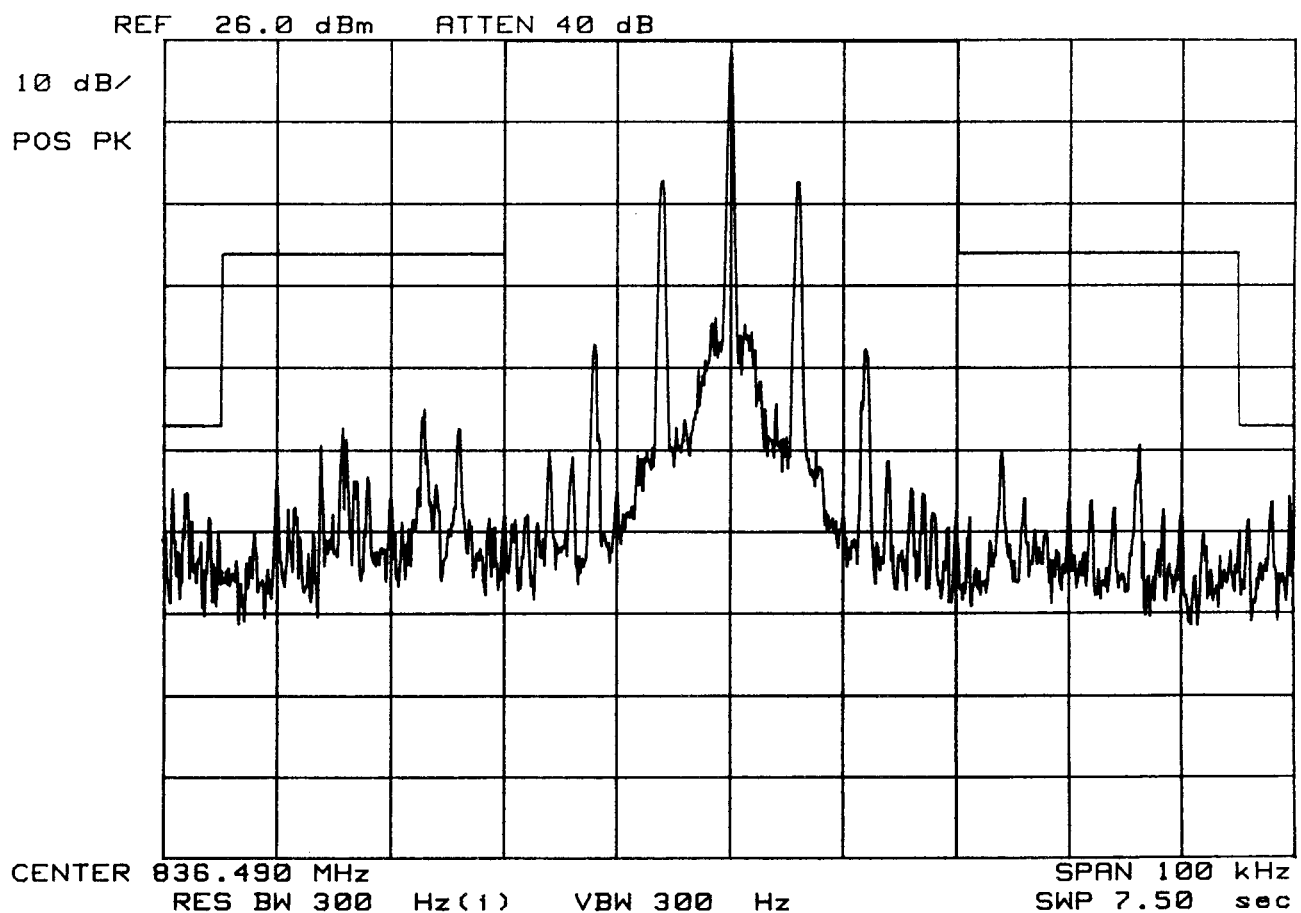
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM520

LG Electronics

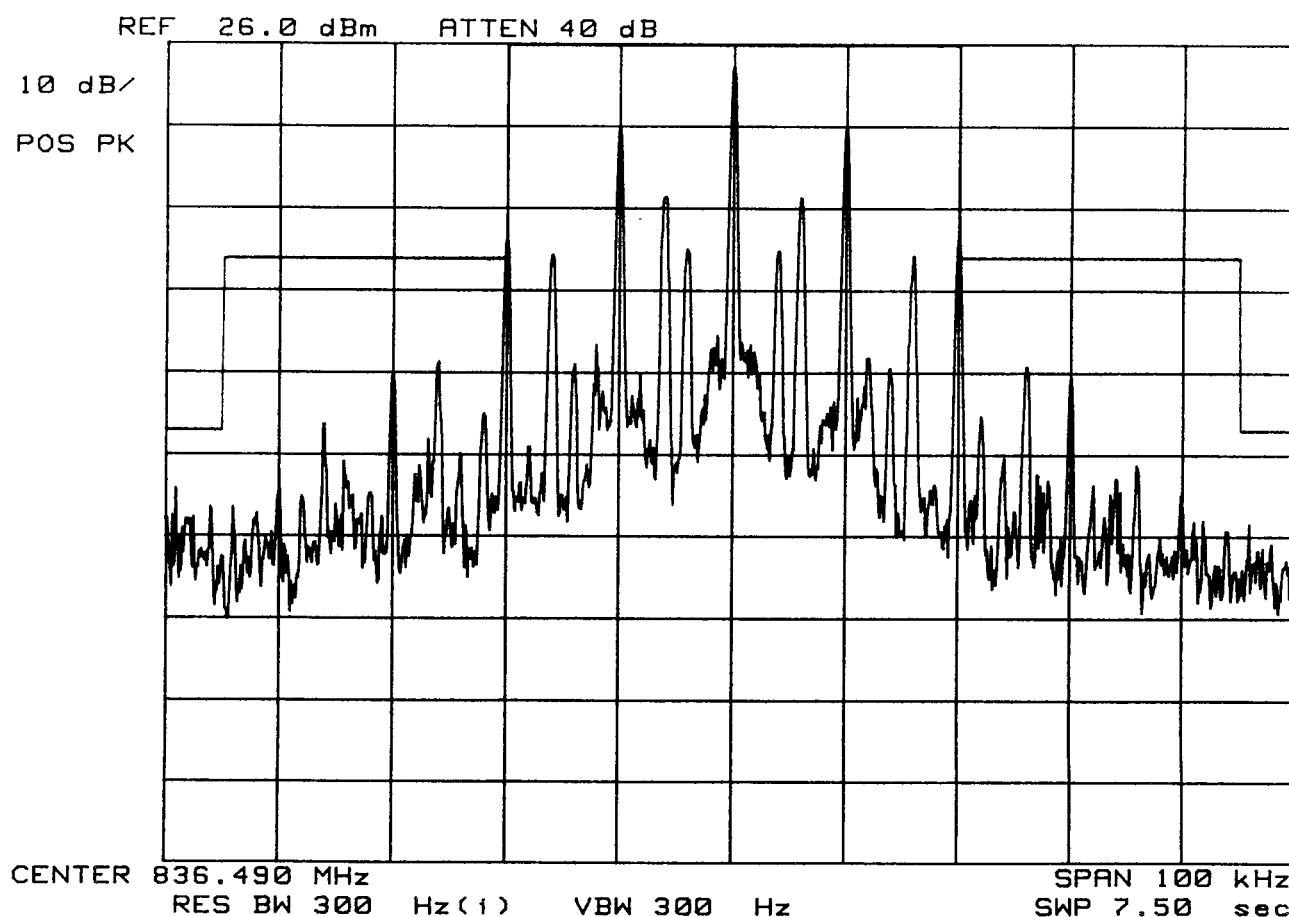
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM520

LG Electronics

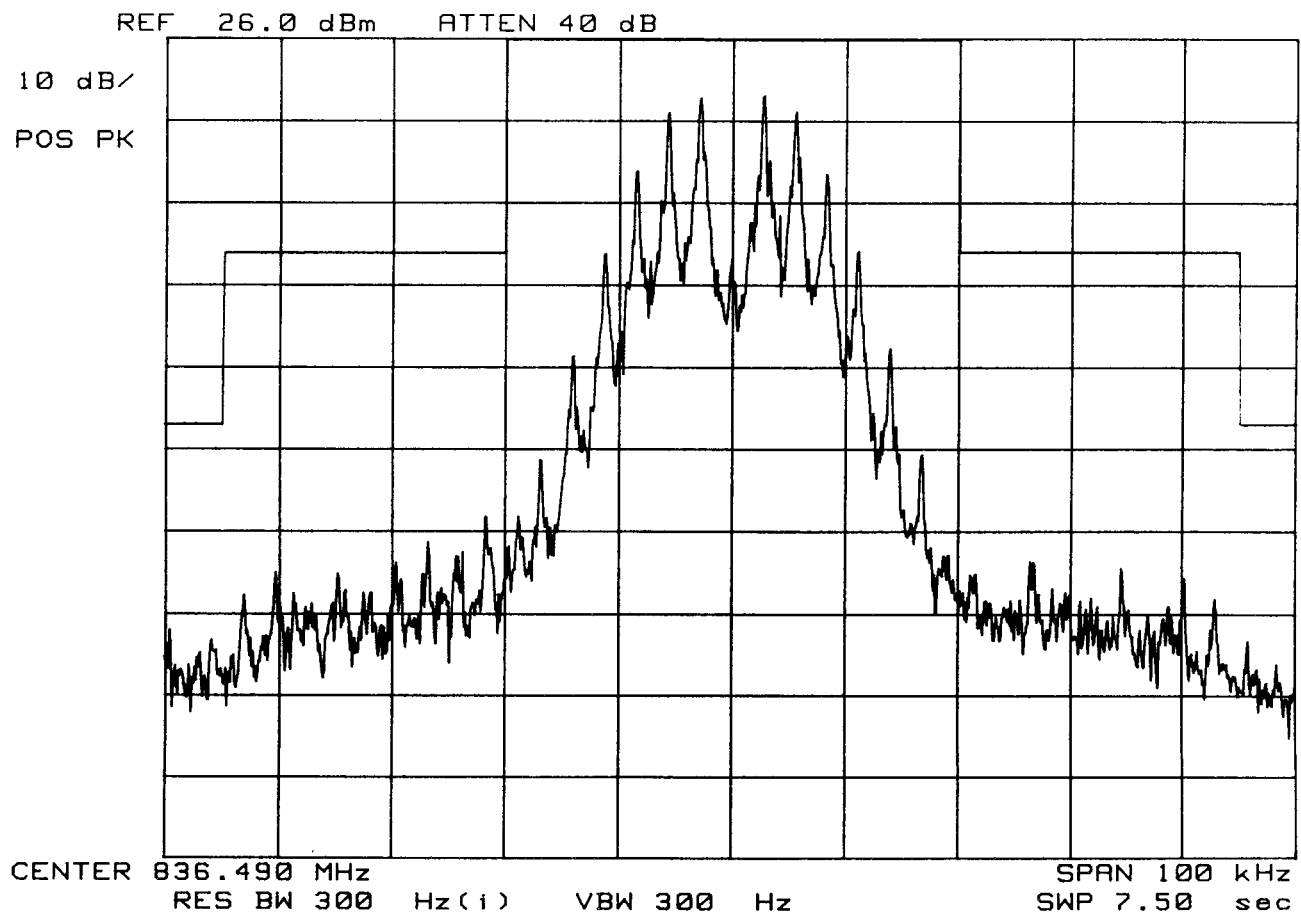
Tri-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM520

LG Electronics

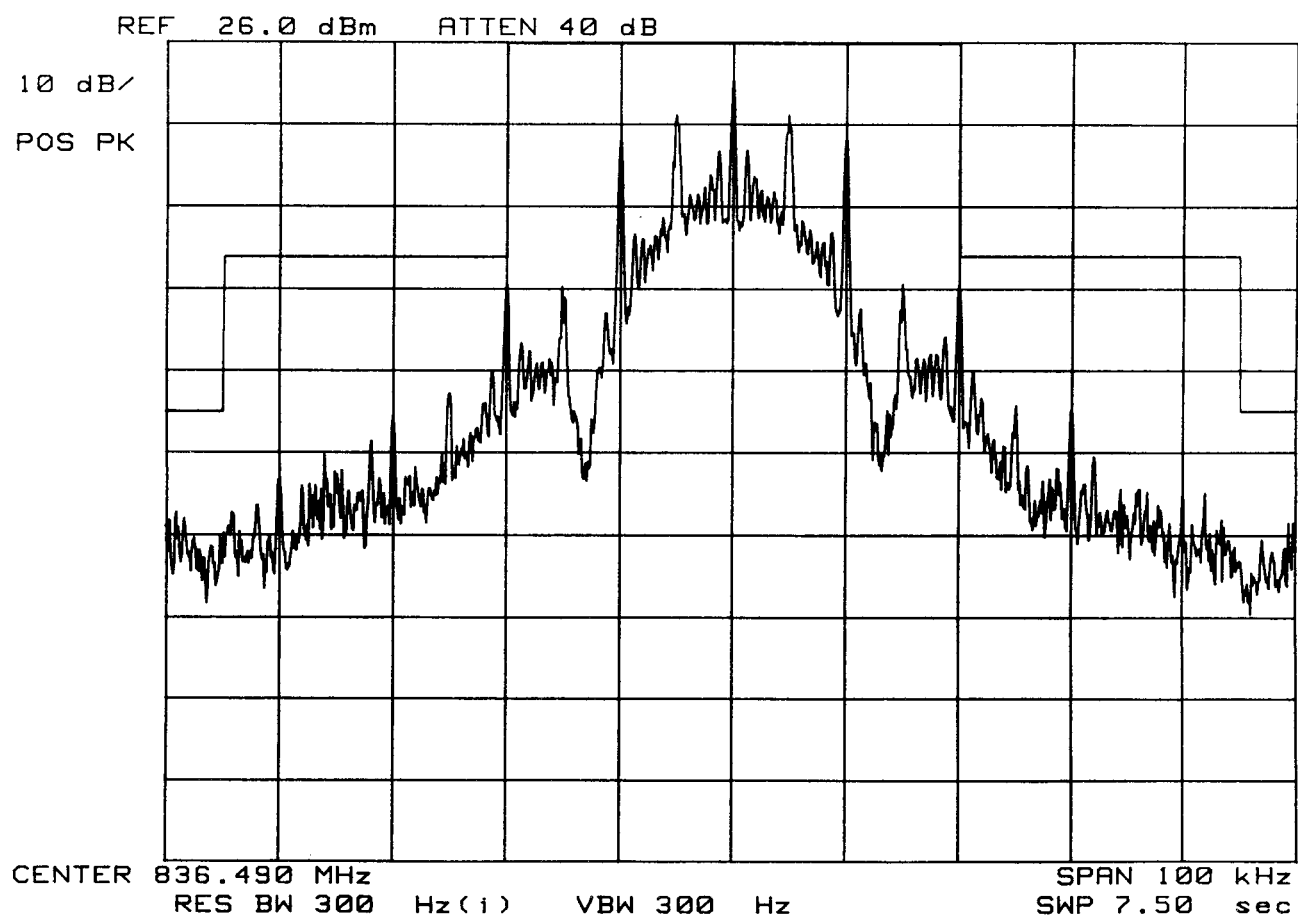
Tri-Mode Phone

FM Channel 0383

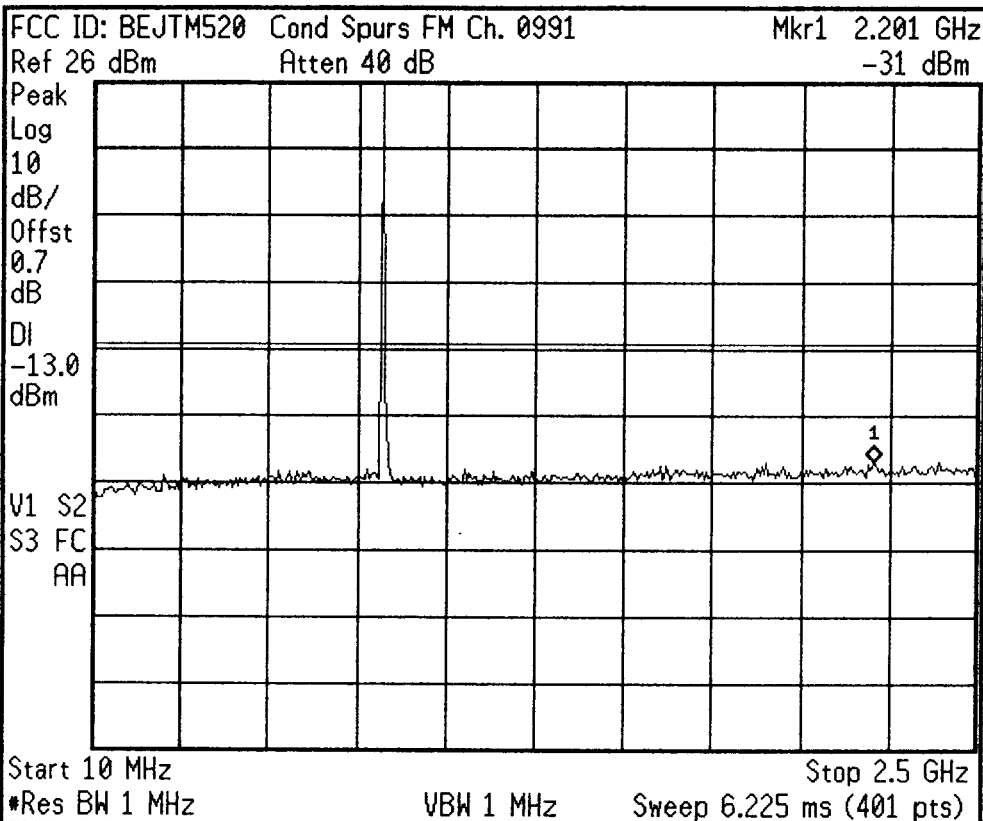
Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Wide Band Data

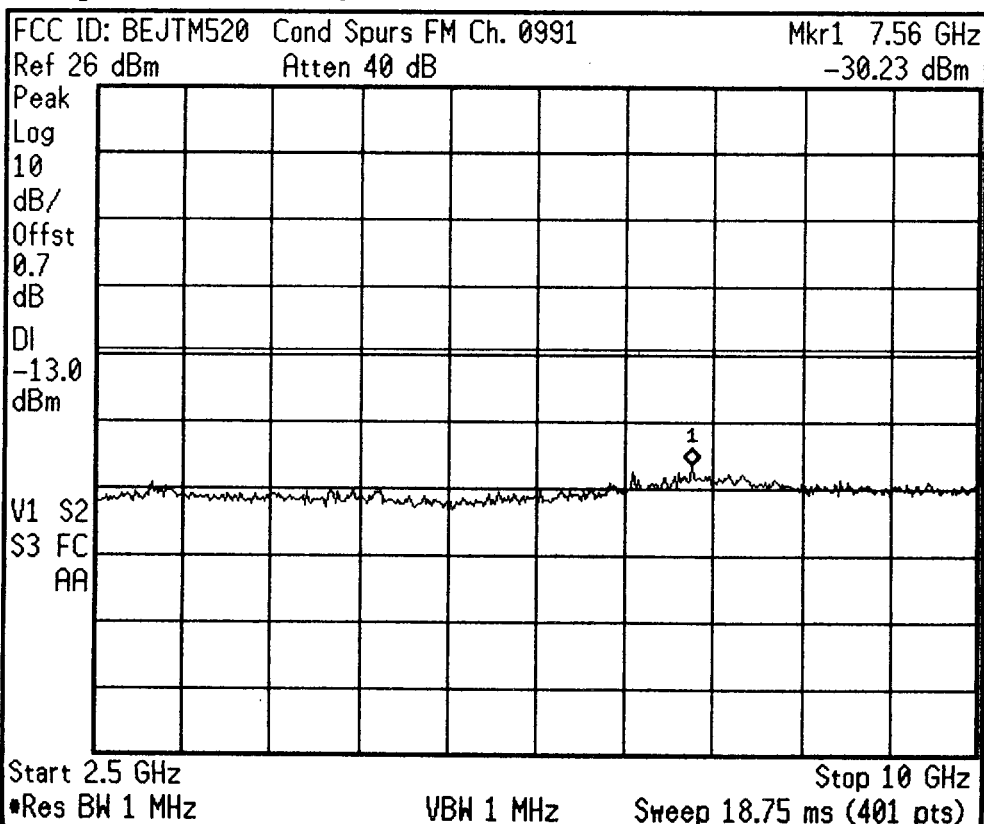


Agilent 10:56:48 May 22, 2001



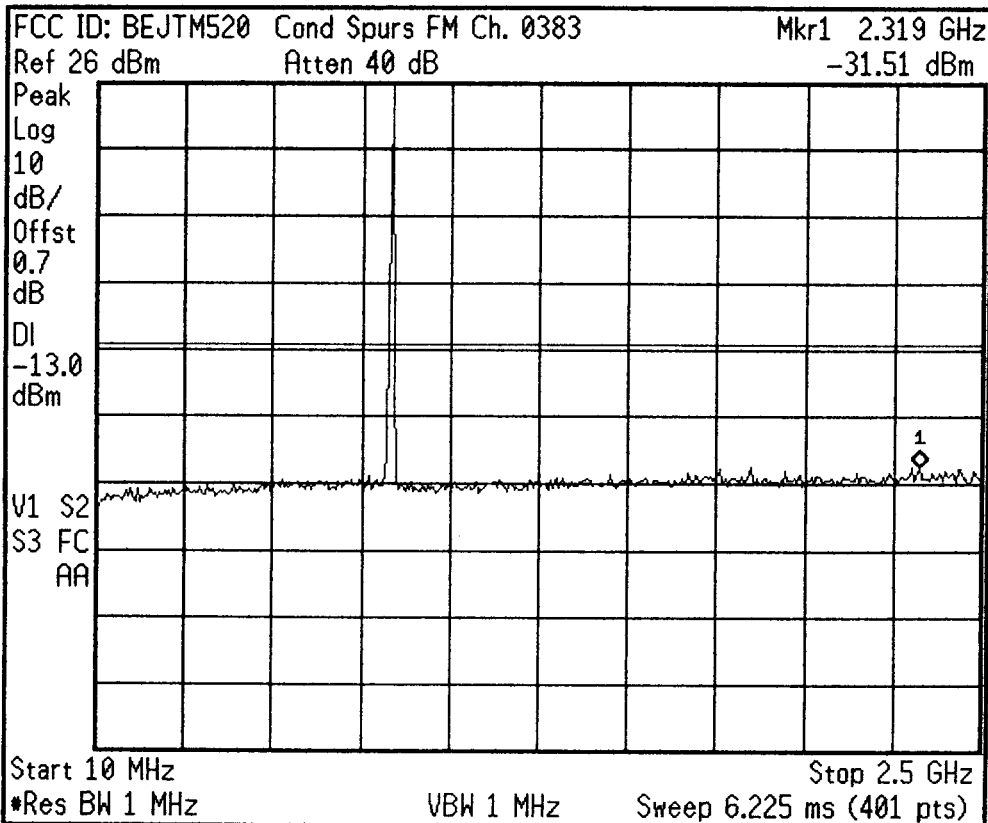
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 10:57:26 May 22, 2001



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 10:59:41 May 22, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

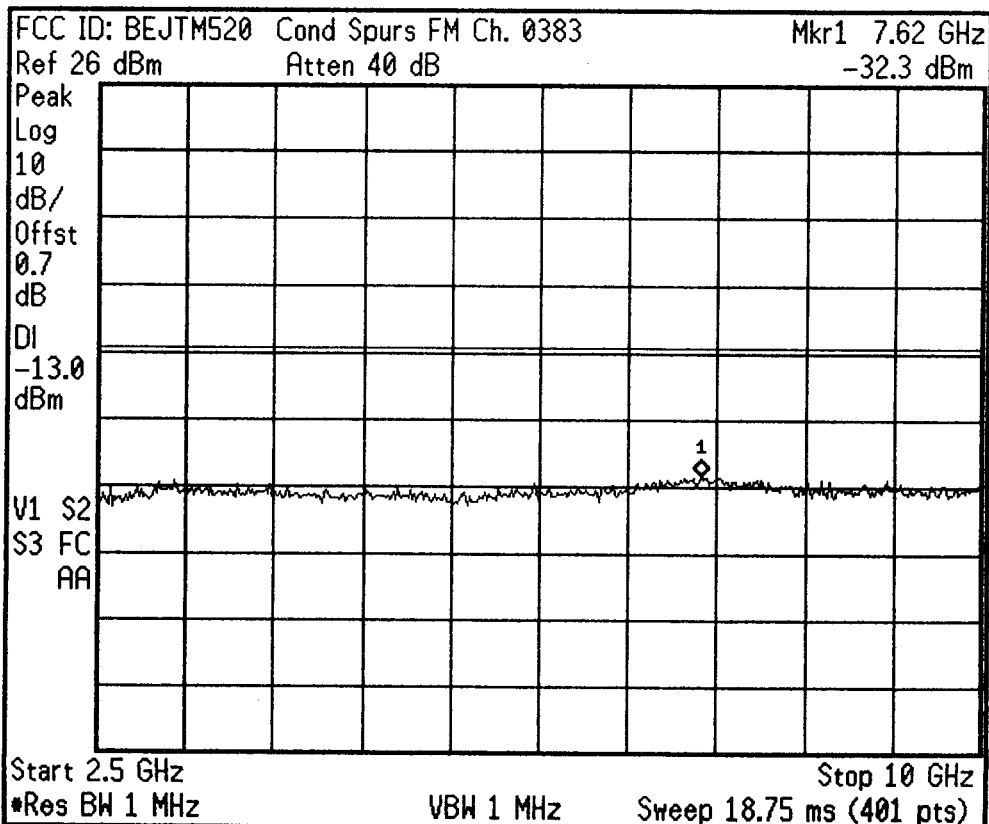
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:00:10 May 22, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

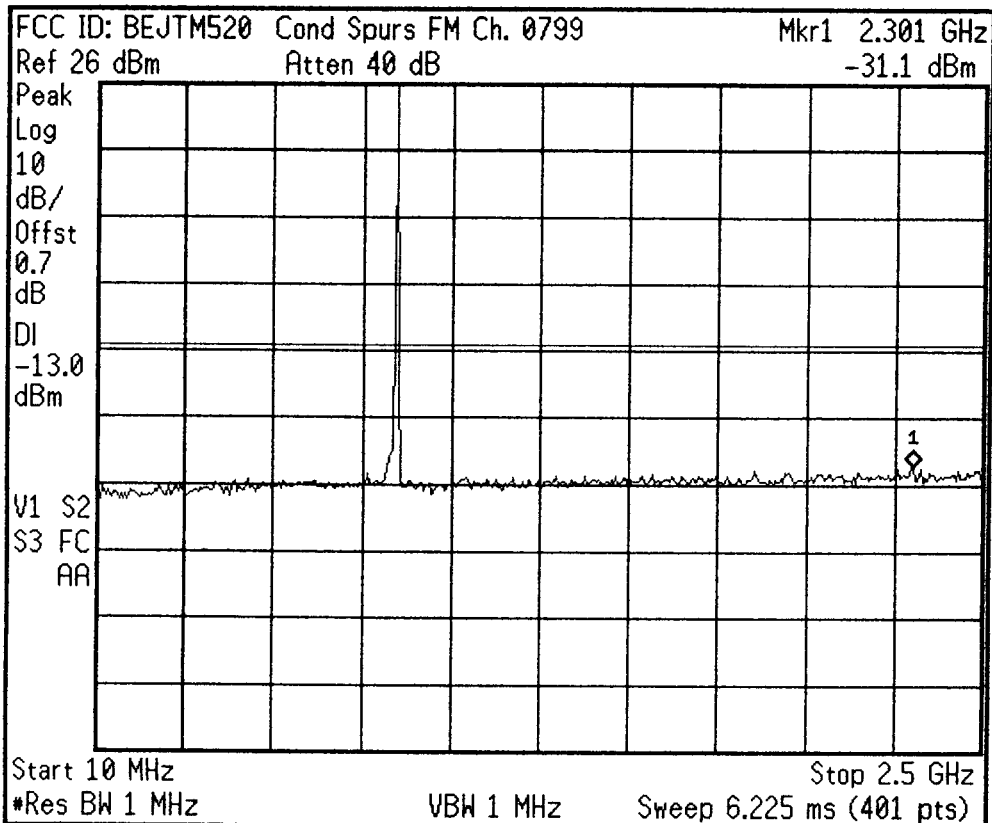
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:01:47 May 22, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

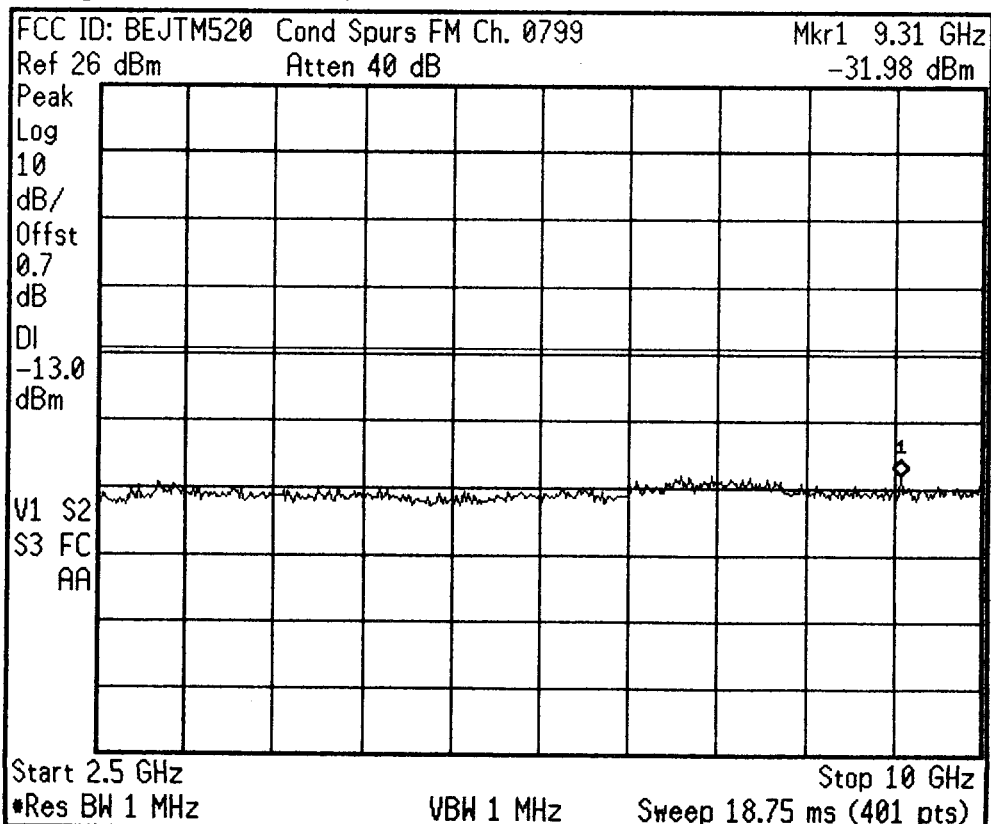
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:02:18 May 22, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

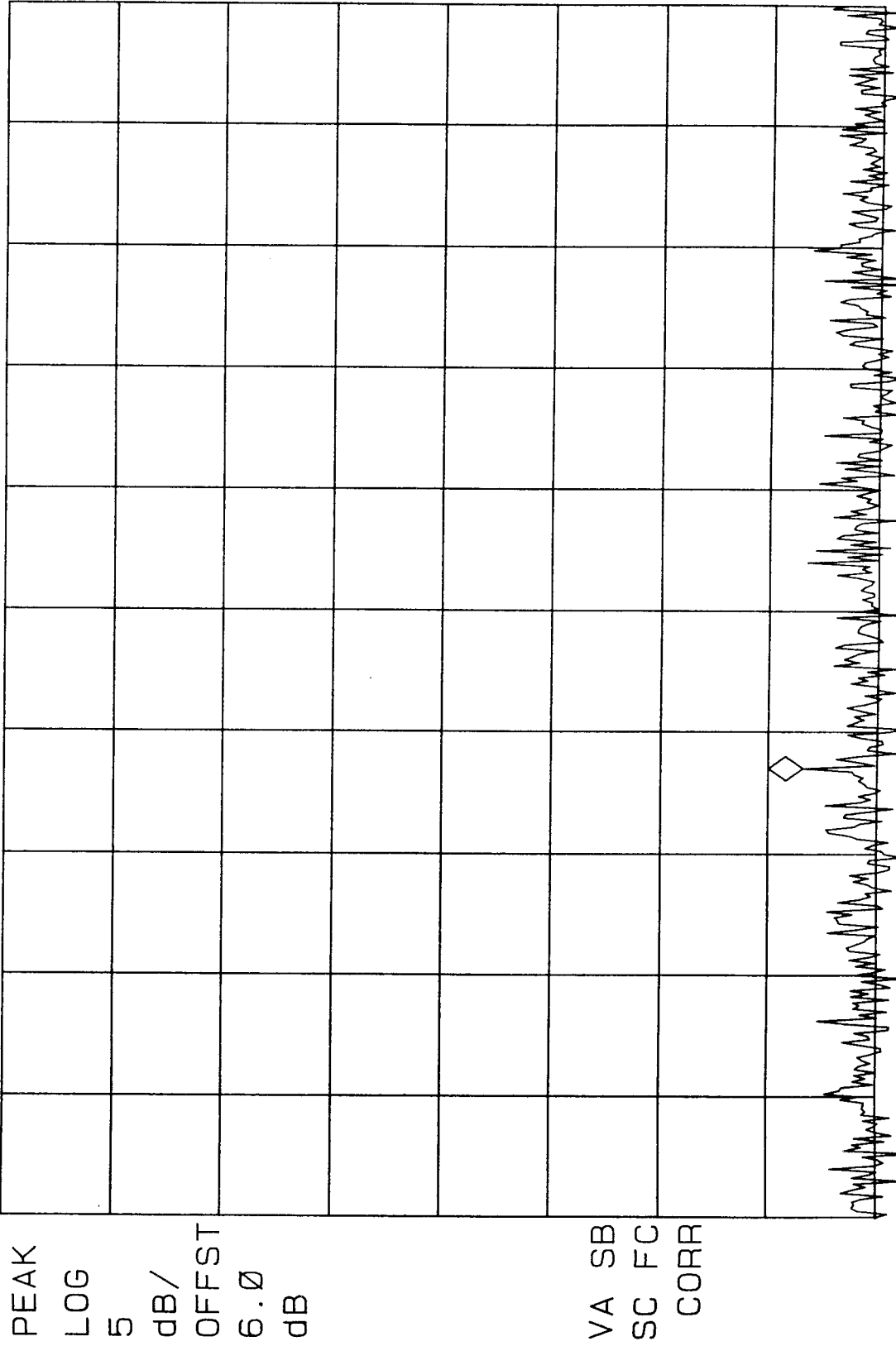
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

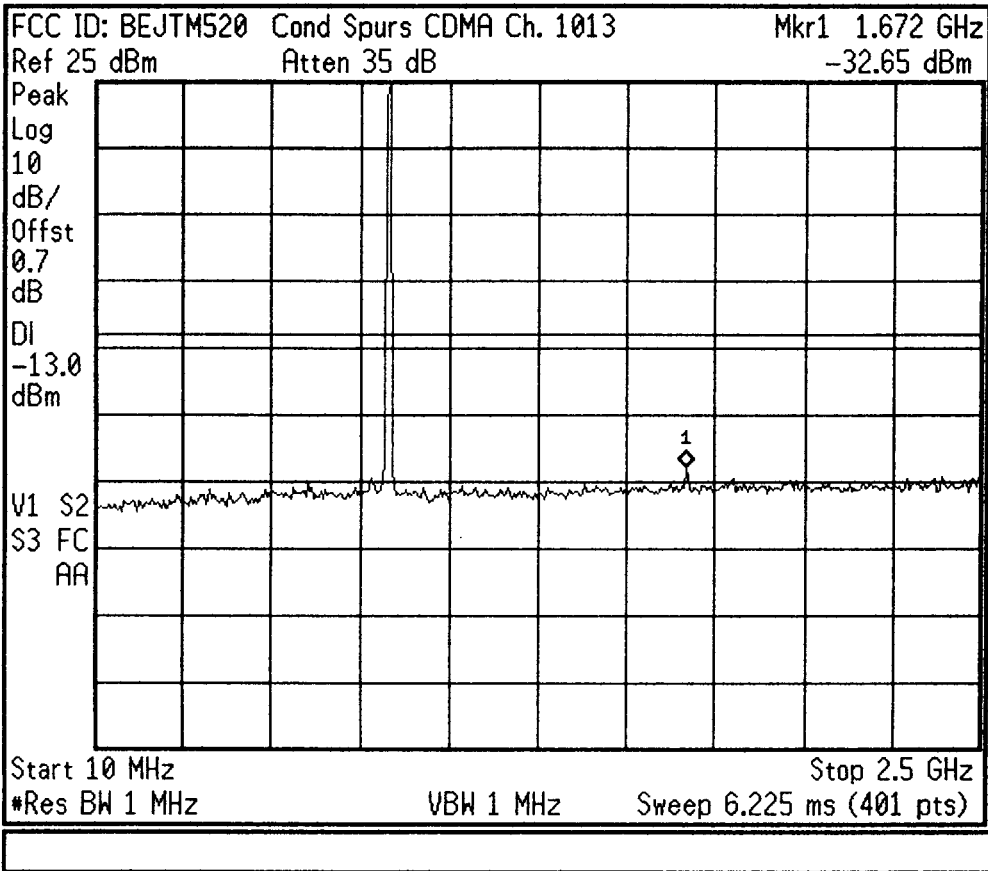
Signal Track
 On Off

FCC ID: BEJTM520 FM MODE MKR 878.25 MHz
REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB -96.61 dBm



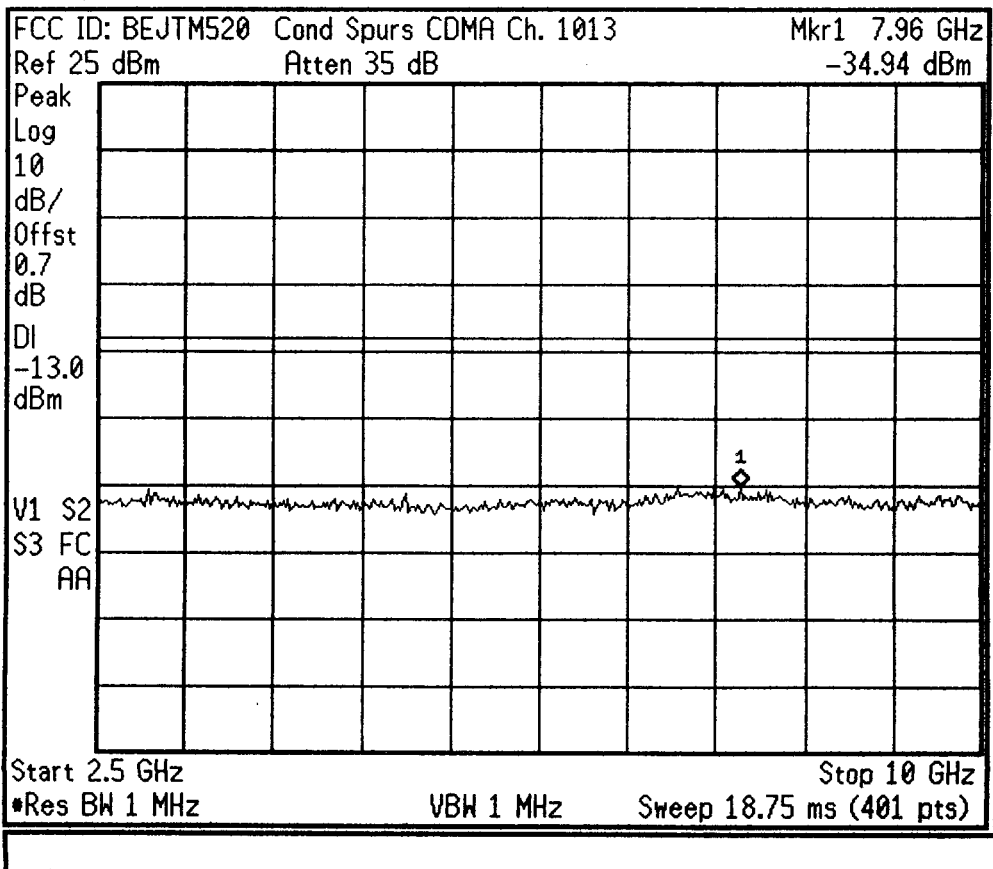
START 869.00 MHz
#RES BW 100 KHZ
STOP 894.00 MHz
#VBW 300 KHZ
SWP 20 msec

* Agilent 11:14:24 May 22, 2001



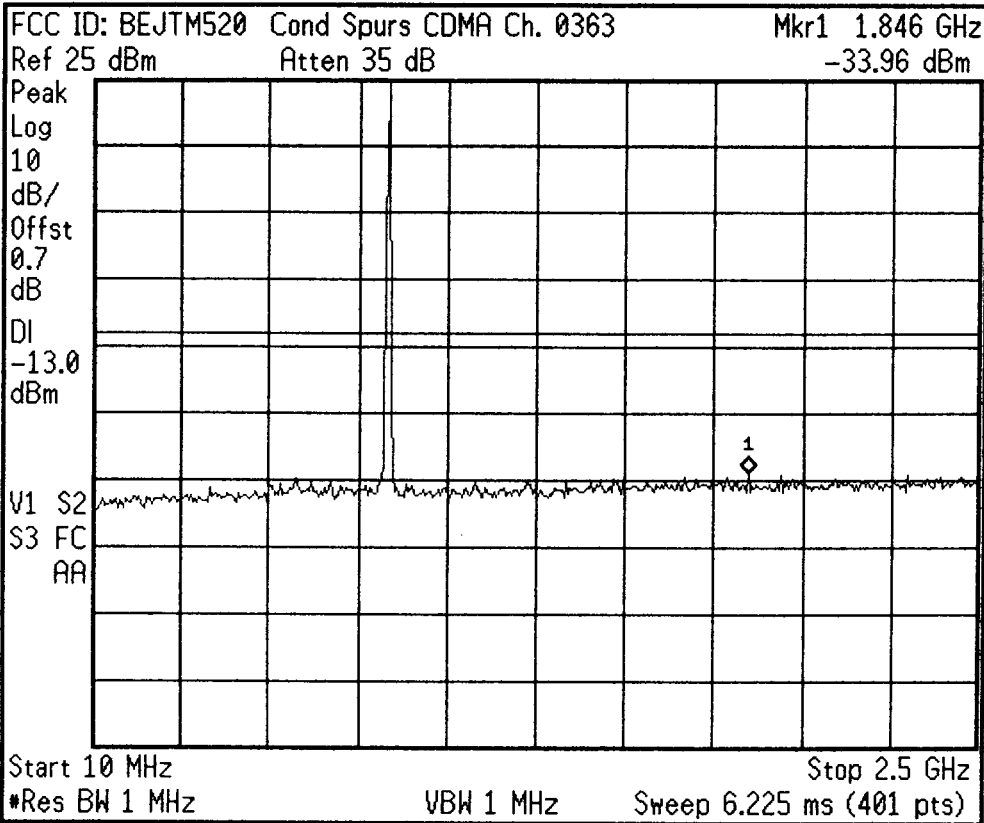
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:14:59 May 22, 2001



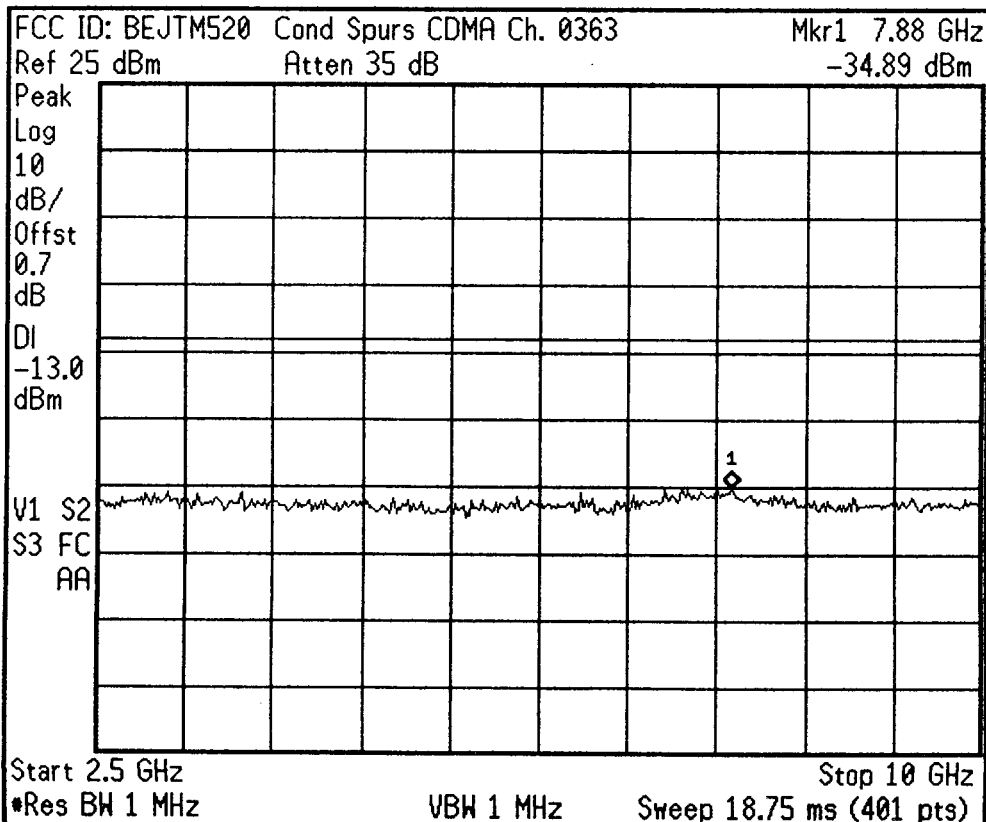
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:16:01 May 22, 2001



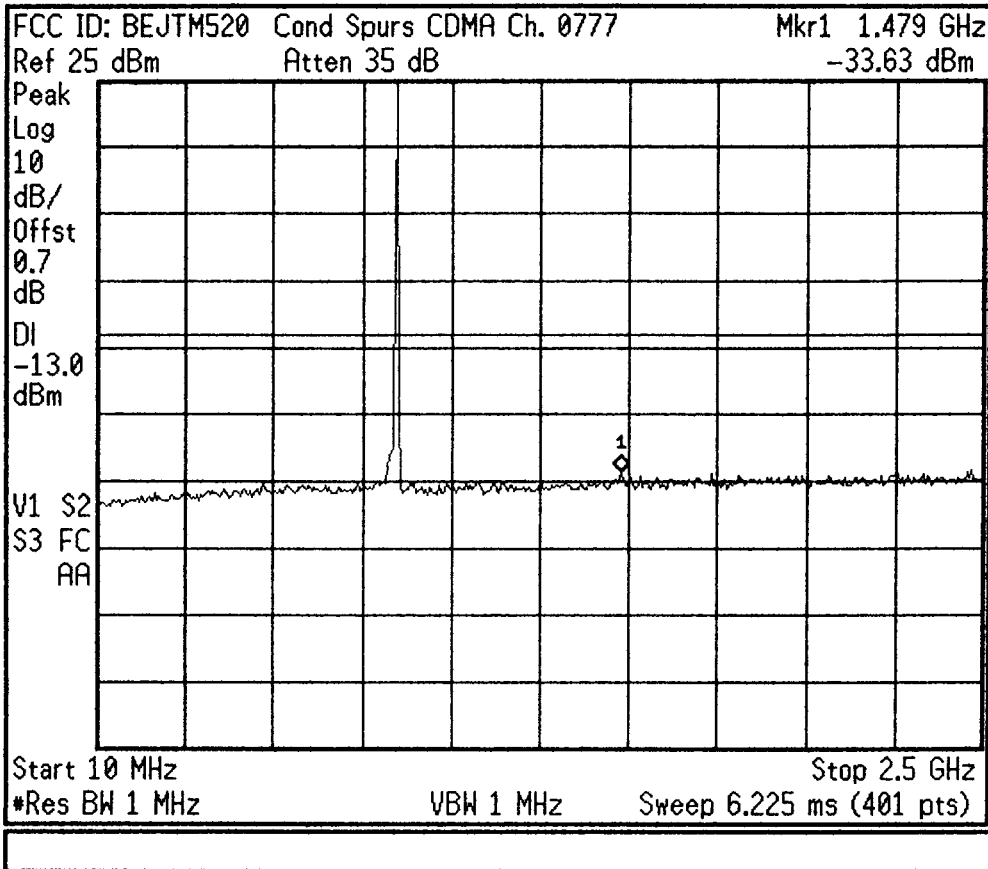
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:16:28 May 22, 2001



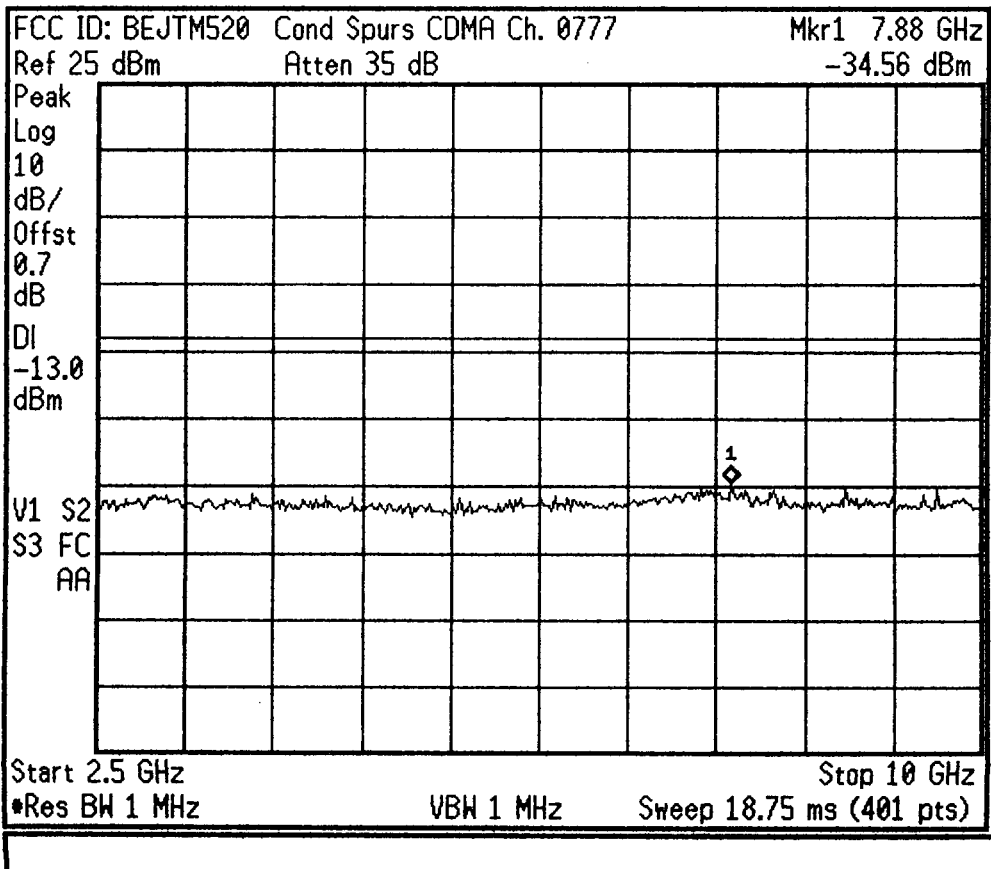
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:18:30 May 22, 2001



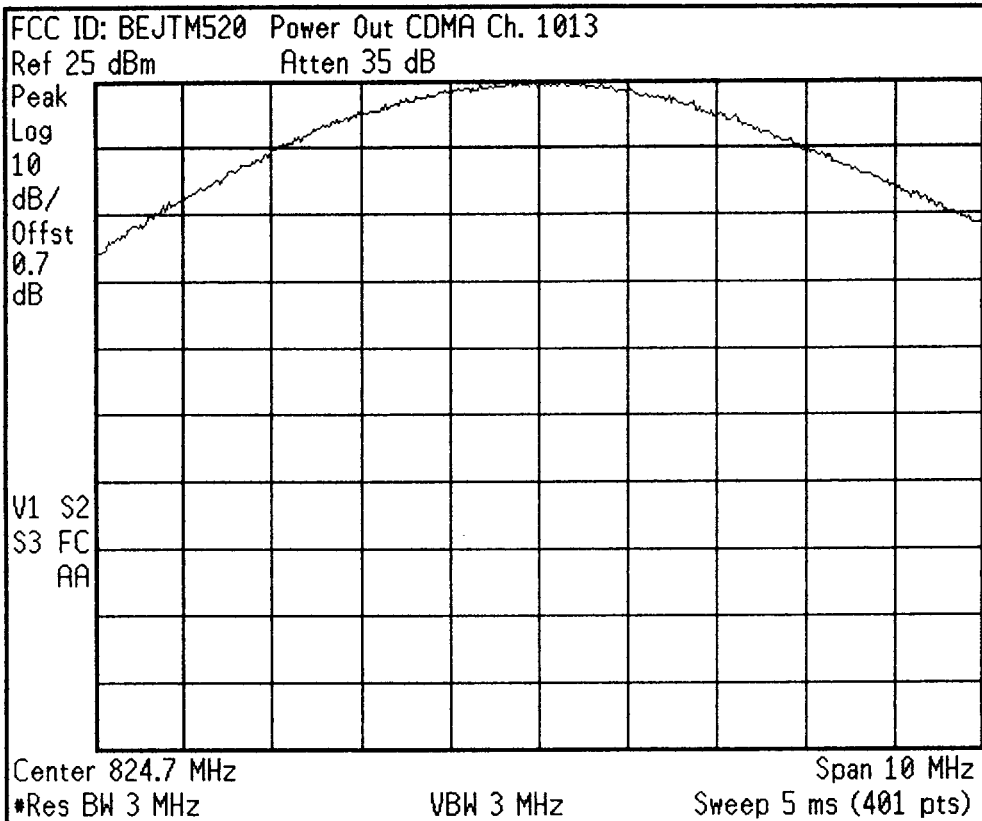
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:19:05 May 22, 2001



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 11:31:48 May 22, 2001



Freq/Channel

Center Freq

824.700000 MHz

Start Freq

819.700000 MHz

Stop Freq

829.700000 MHz

CF Step

1.00000000 MHz

Auto Man

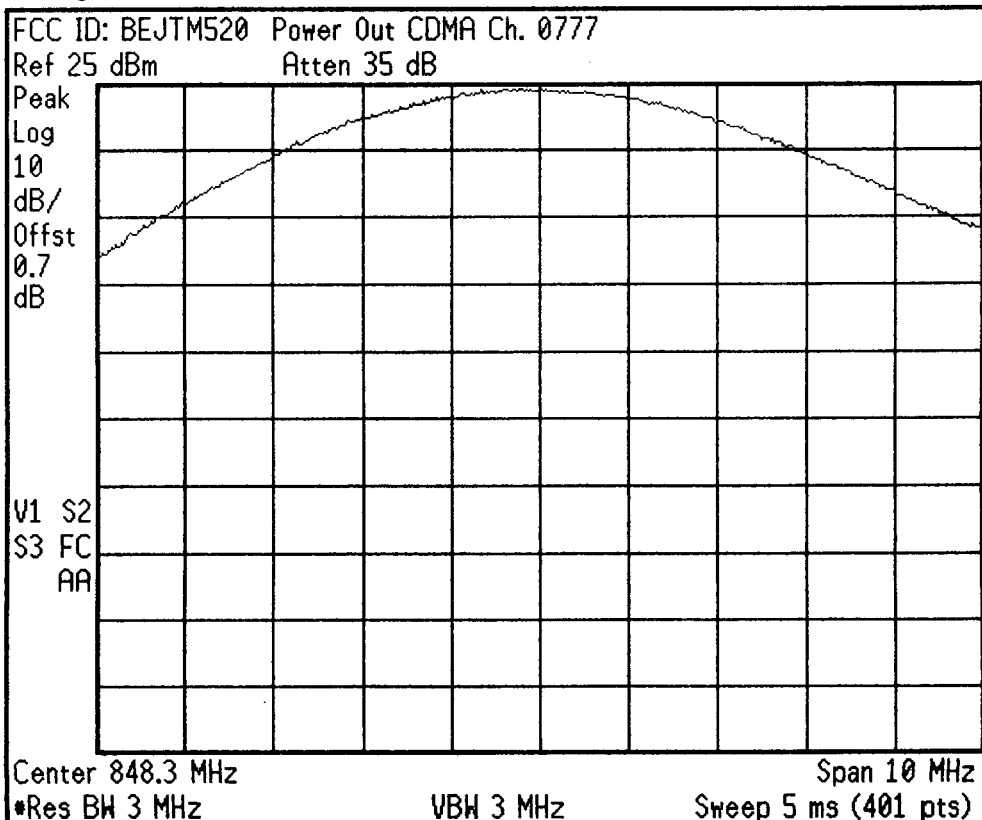
Freq Offset

0.00000000 Hz

Signal Track

On Off

* Agilent 11:32:42 May 22, 2001



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

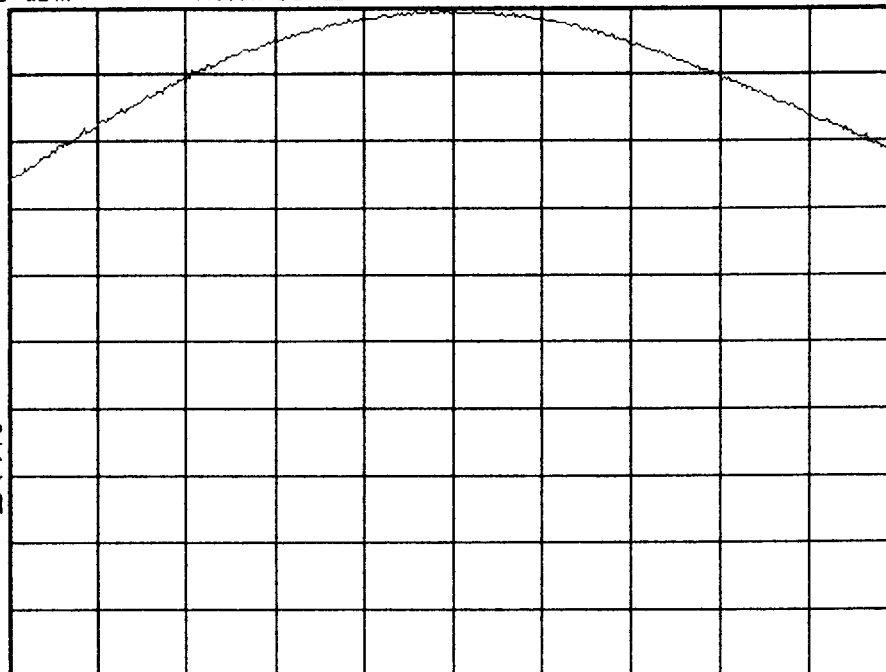
* Agilent 11:34:02 May 22, 2001

FCC ID: BEJTM520 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

*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

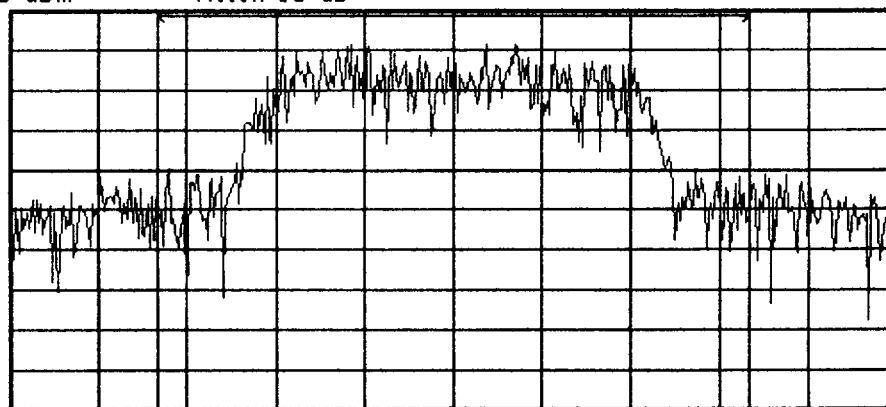
Off

* Agilent 11:35:36 May 22, 2001

FCC ID: BEJTM520 Power Out CDMA Ch. 0363

Ref 25 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.7
dB



Center 835.9 MHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz

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

25.01 dBm

Integration BW

2.000 MHz

Density

-38.00 dBm/Hz

Agilent 11:37:59 May 22, 2001

FCC ID: BEJTM520 BAND EDGE 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

Sweep 13.89 ms (401 pts)

Span 5 MHz

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

Agilent 11:40:42 May 22, 2001

FCC ID: BEJTM520 BAND EDGE CDMA Ch. 0777

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

Sweep 13.89 ms (401 pts)

Span 5 MHz

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

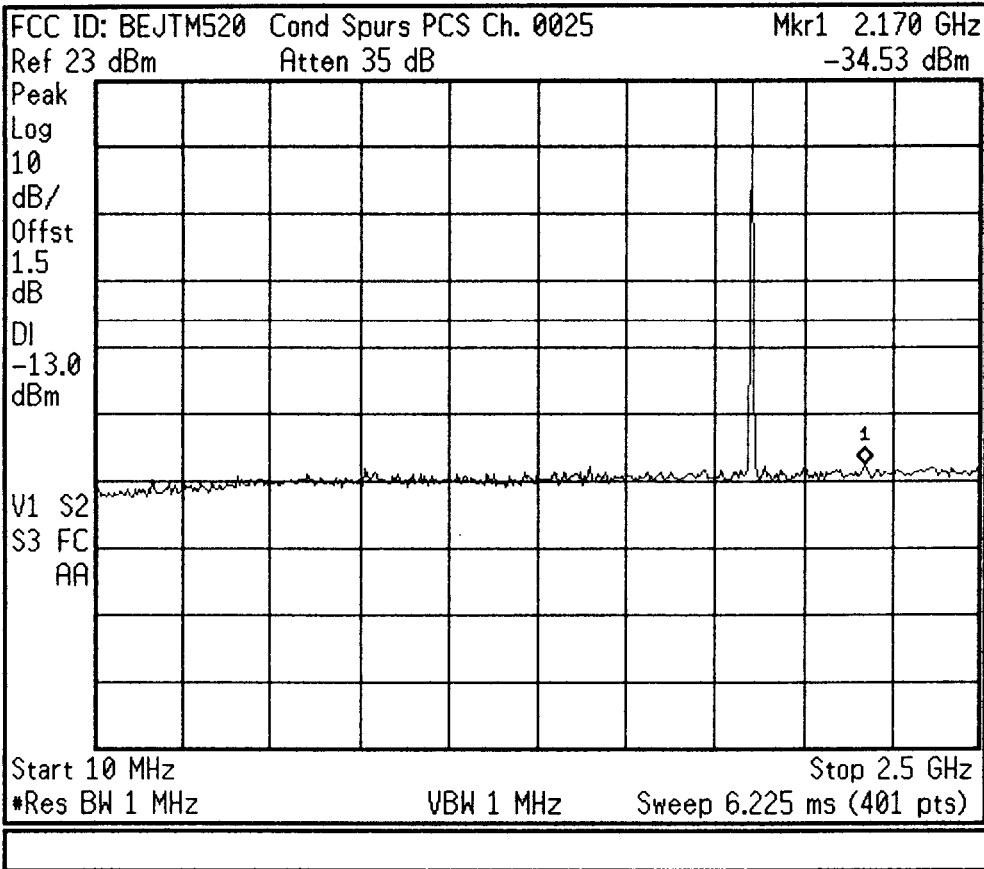
0.00000000 Hz

Signal Track

On

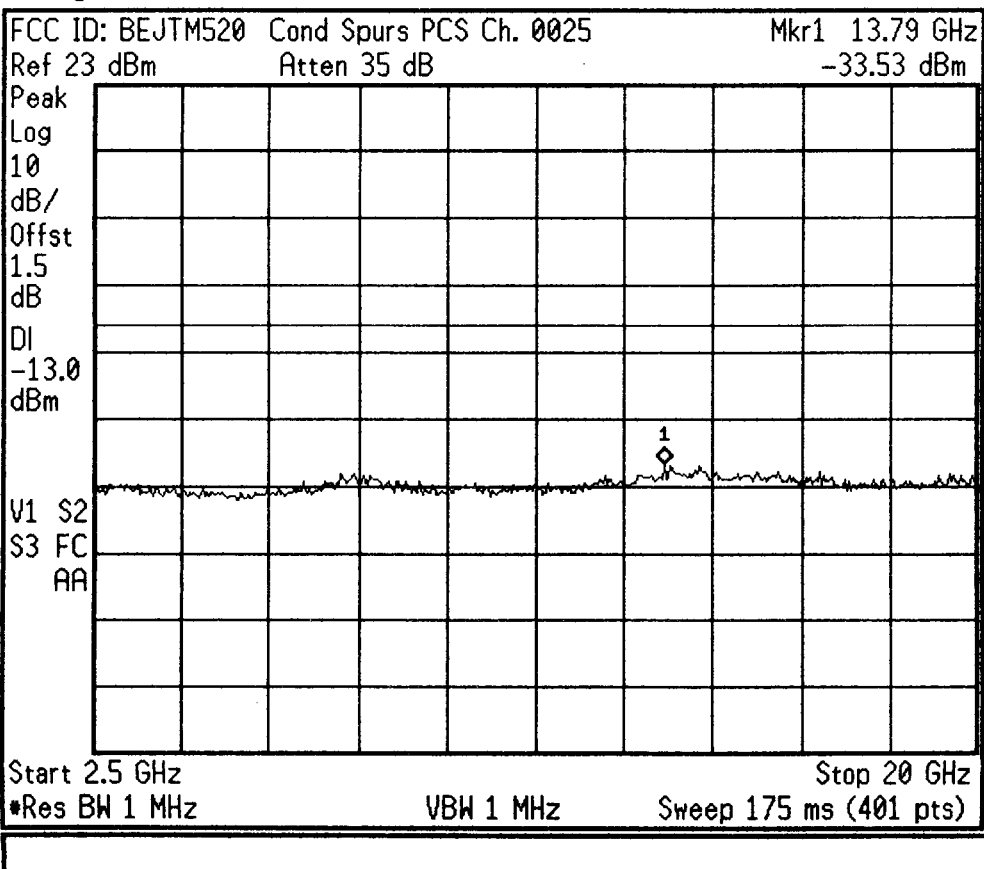
Off

Agilent 11:25:42 May 22, 2001



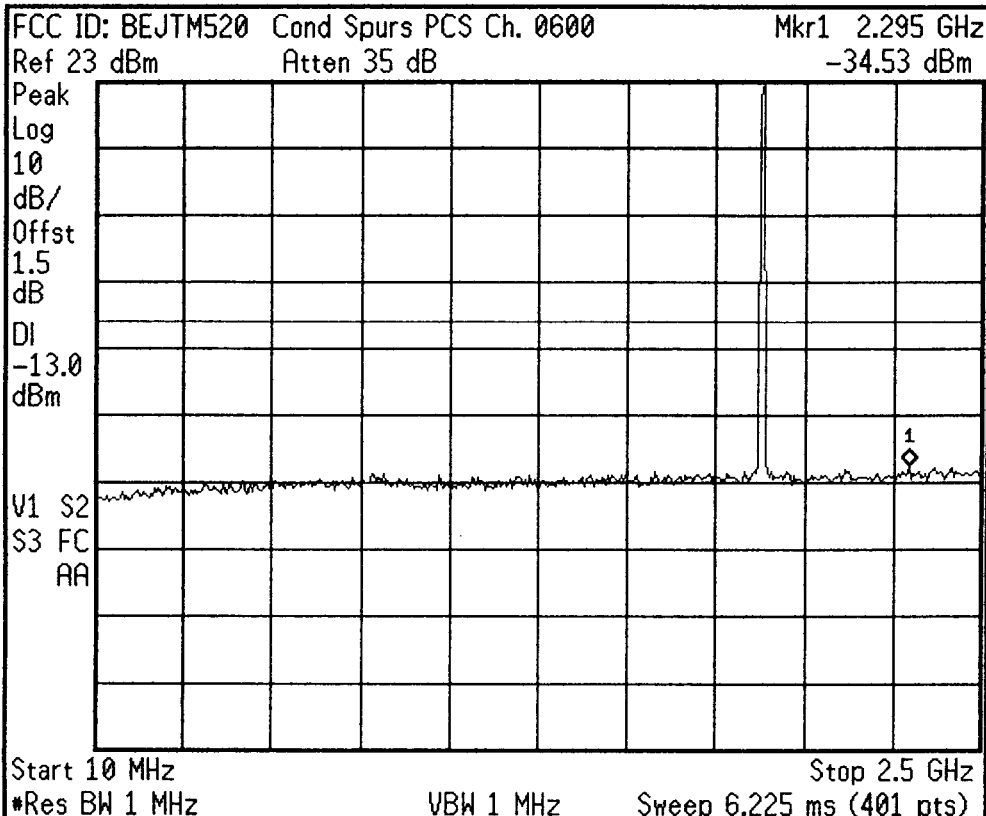
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 11:26:26 May 22, 2001



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 11:23:48 May 22, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

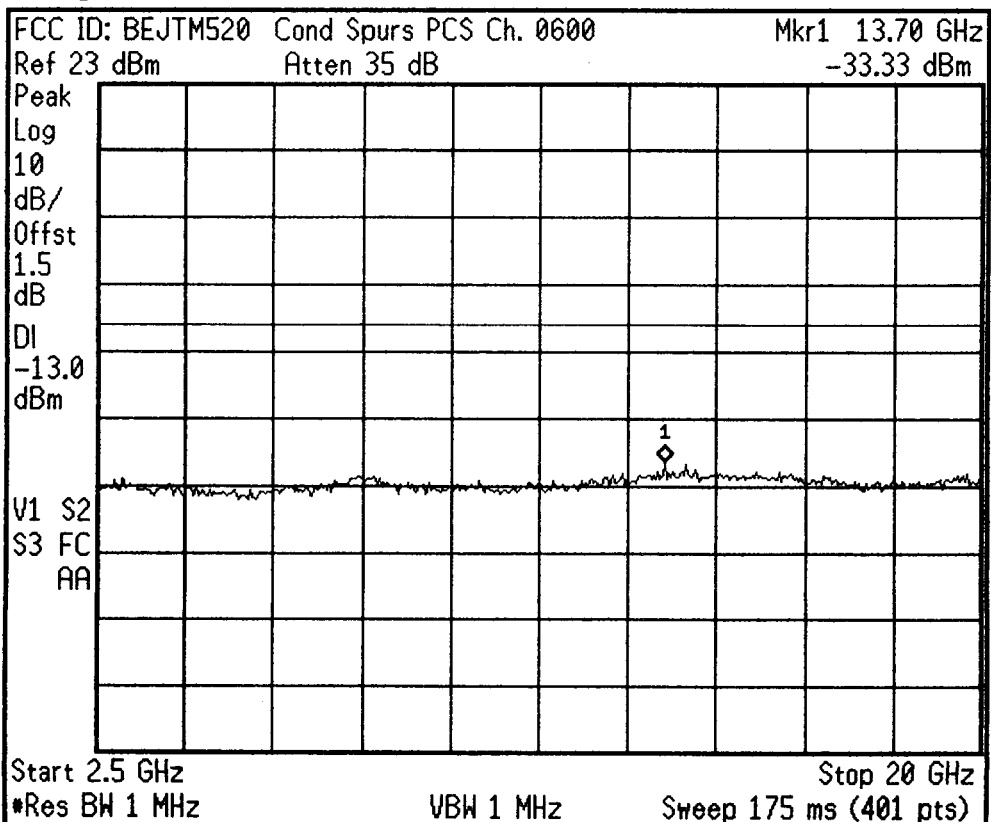
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:24:25 May 22, 2001



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

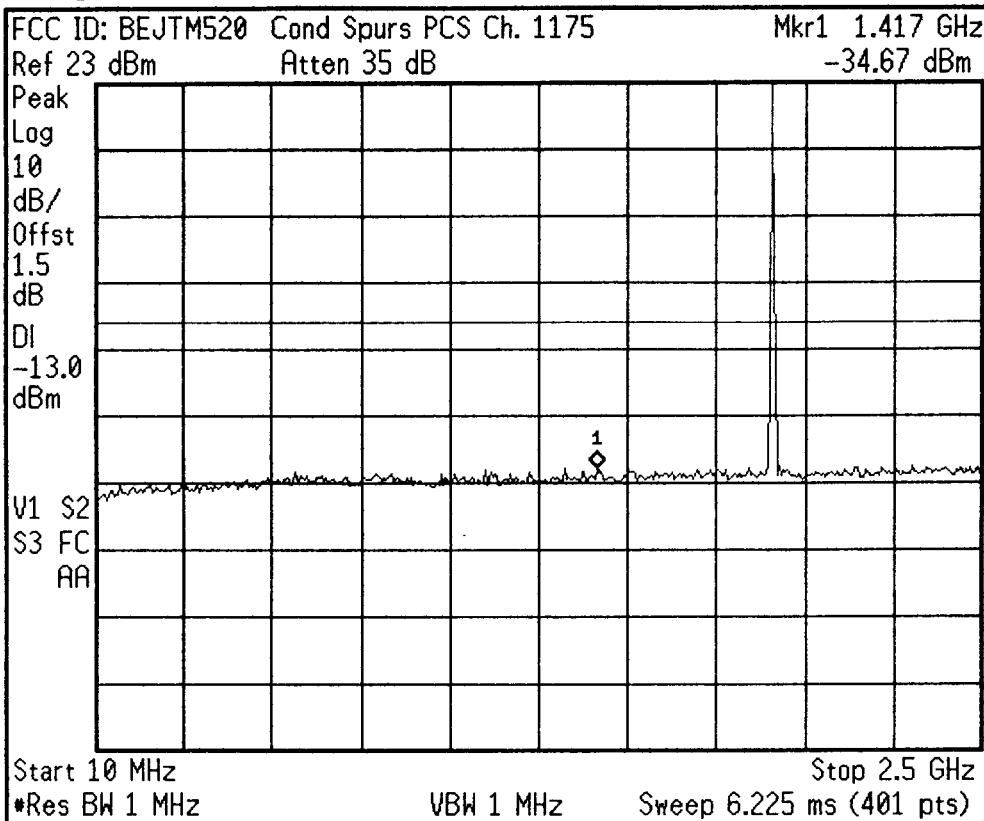
Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:21:22 May 22, 2001



Freq/Channel

Center Freq

1.25500000 GHz

Start Freq

10.0000000 MHz

Stop Freq

2.50000000 GHz

CF Step

249.000000 MHz

Auto Man

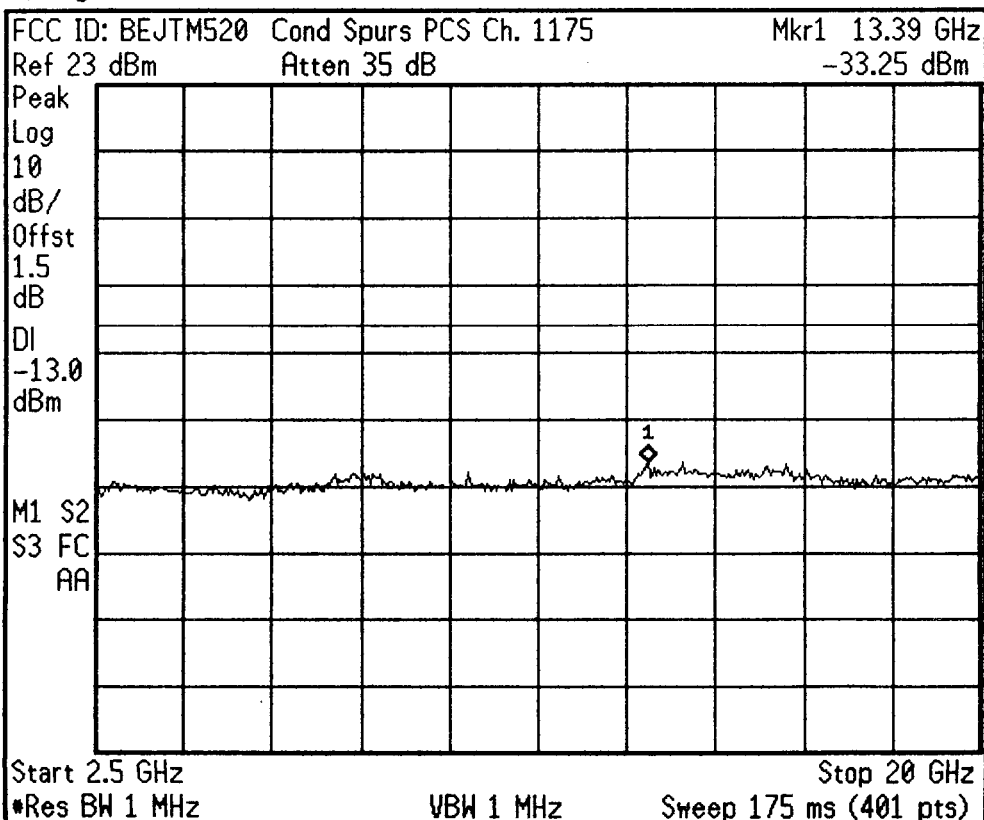
Freq Offset

0.00000000 Hz

Signal Track

On Off

* Agilent 11:22:11 May 22, 2001



Freq/Channel

Center Freq

11.2500000 GHz

Start Freq

2.50000000 GHz

Stop Freq

20.0000000 GHz

CF Step

1.75000000 GHz

Auto Man

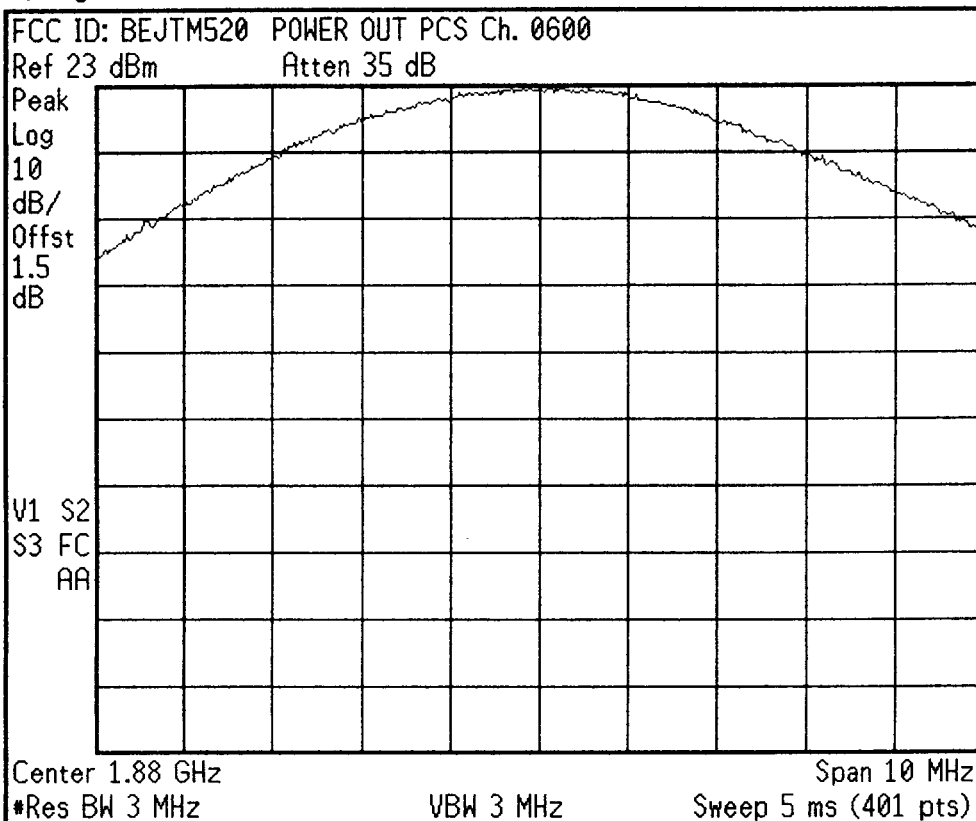
Freq Offset

0.00000000 Hz

Signal Track

On Off

* Agilent 11:43:18 May 22, 2001



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

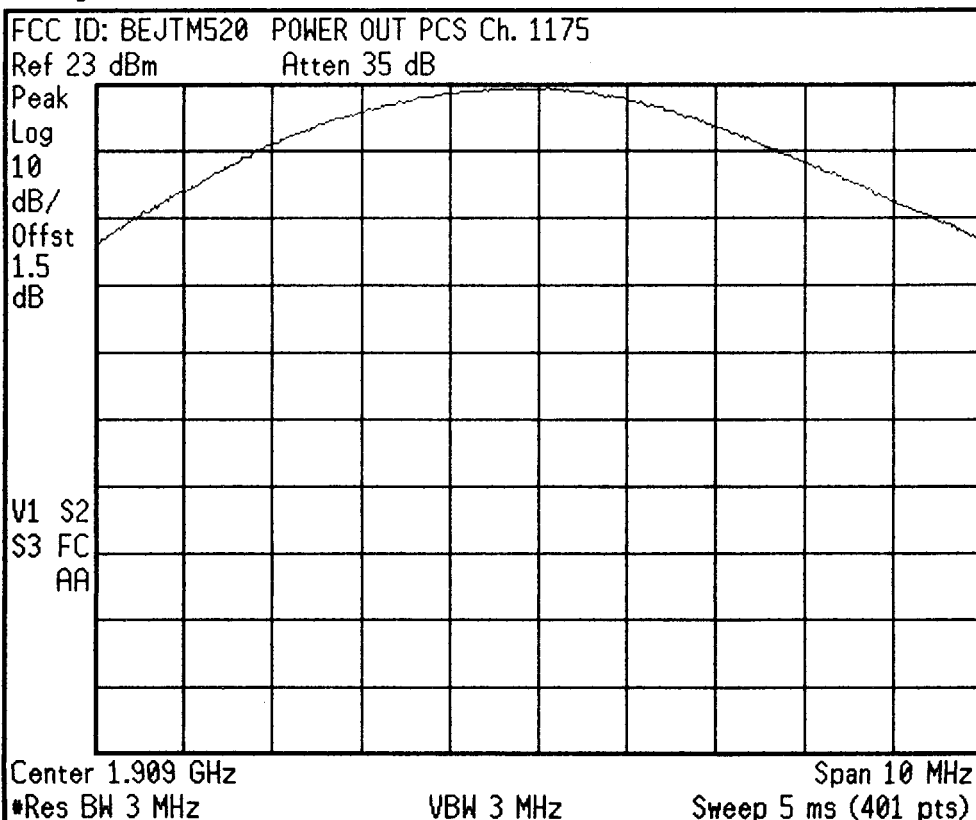
0.00000000 Hz

Signal Track

On

Off

* Agilent 11:44:41 May 22, 2001



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

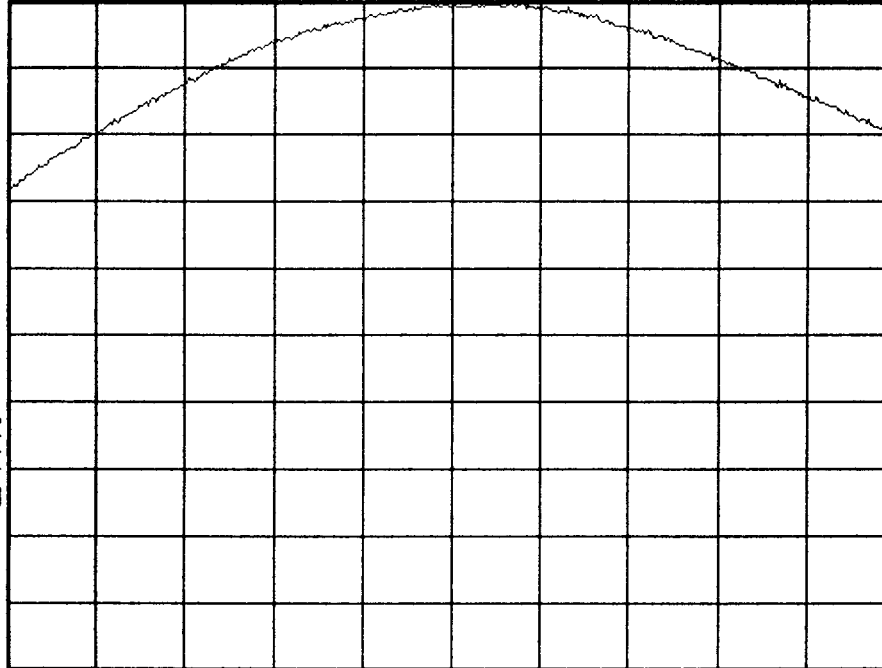
Agilent 11:45:55 May 22, 2001

FCC ID: BEJTM520 POWER OUT PCS Ch. 0025

Ref 23 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1.5
dB

V1 S2
S3 FC
AA



Center 1.851 GHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 MHz

Sweep 5 ms (401 pts)

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

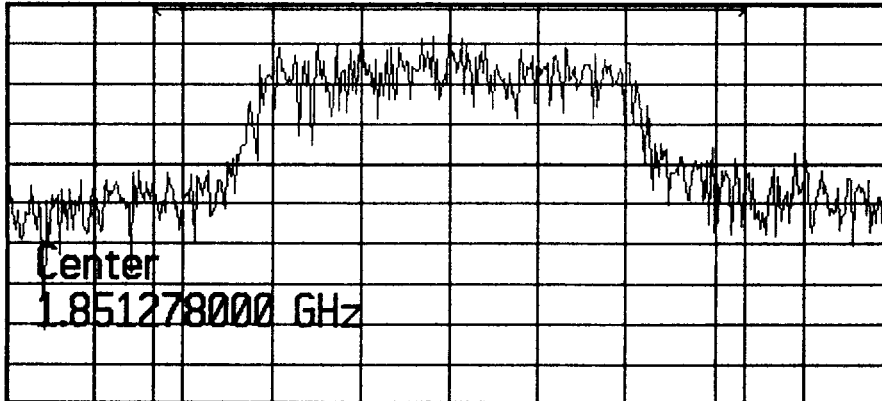
Signal Track
On Off

Agilent 11:47:30 May 22, 2001

FCC ID: BEJTM520 POWER OUT PCS Ch. 0025

Ref 23 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB



Center 1.851 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Trace

Trace
1 2 3

Clear Write

Max Hold

Min Hold

View

Blank

More
1 of 2

Channel Power Results (idle)

Channel Power

Integration BW 2.000 MHz

23.07 dBm

Density -39.94 dBm/Hz

Agilent 11:51:30 May 22, 2001

FCC ID: BEJTM520 BANDE EDGE PCS Ch. 1175

Ref 23 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1.5

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.91 GHz

*Res BW 30 kHz

VBW 30 kHz

Span 5 MHz

Sweep 13.89 ms (401 pts)

Trace

Trace

1 2 3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2

Agilent 11:53:40 May 22, 2001

FCC ID: BEJTM520 BANDE EDGE PCS Ch. 0025

Ref 23 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1.5

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.85 GHz

*Res BW 30 kHz

VBW 30 kHz

Span 5 MHz

Sweep 13.89 ms (401 pts)

Display

Full Screen

Display Line

-13.00 dBm

On

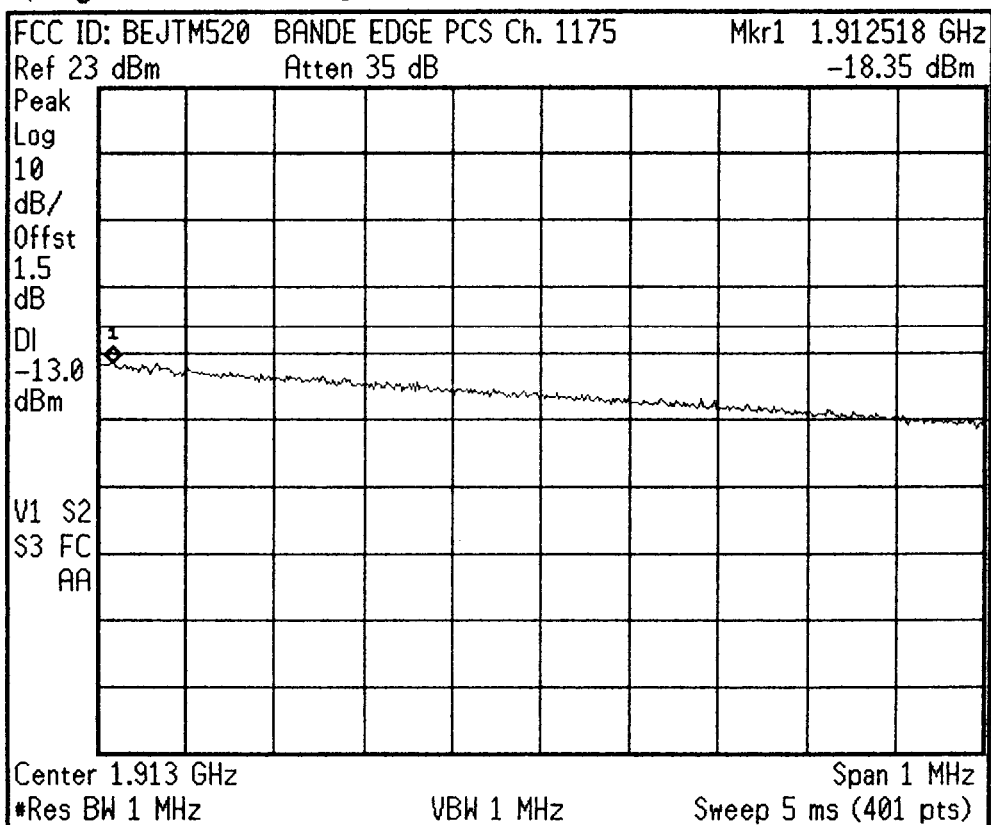
Off

Limits

Title

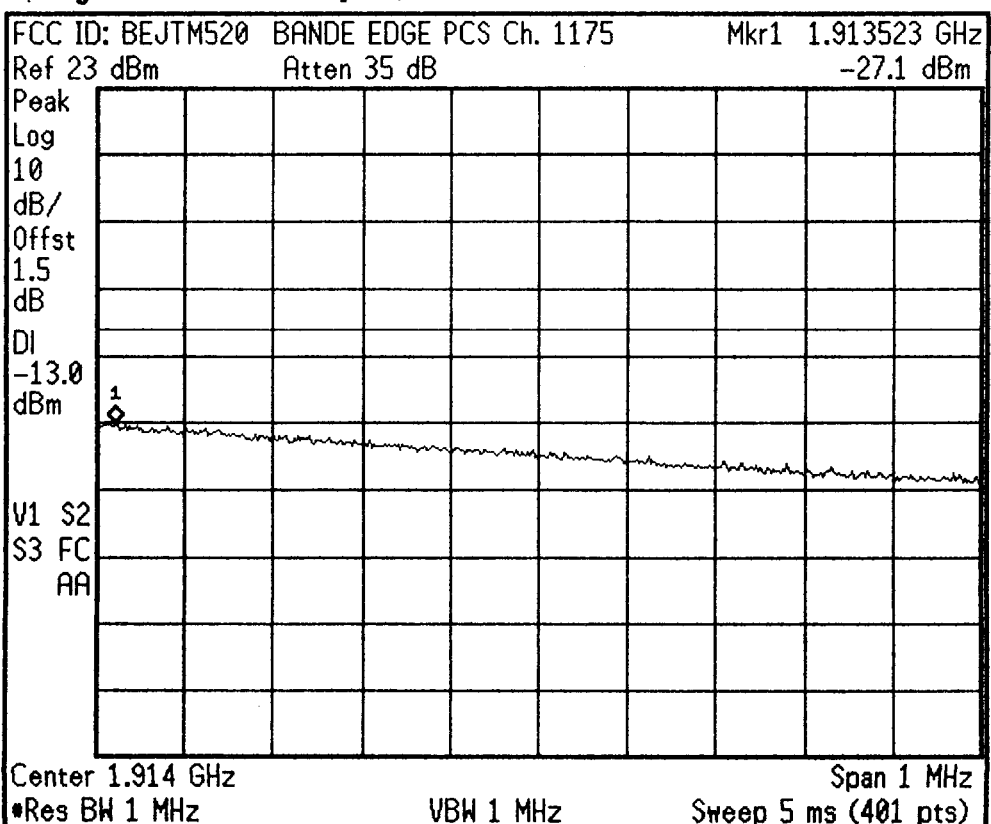
Preferences

* Agilent 11:58:34 May 22, 2001



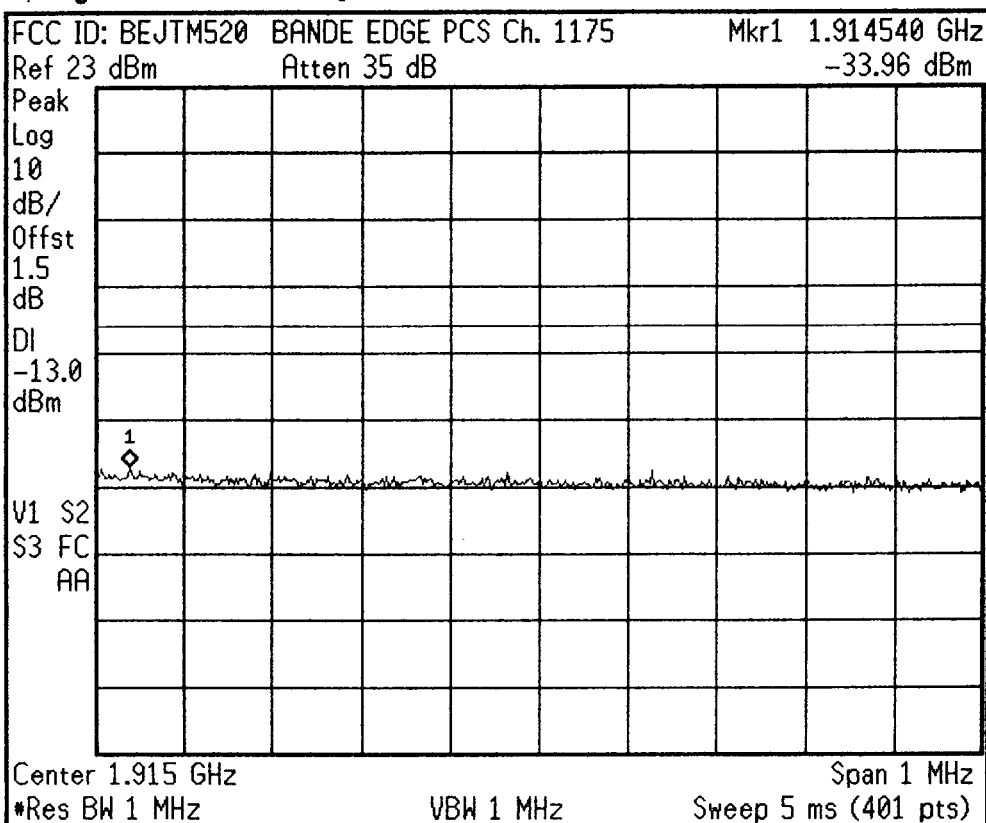
Freq/Channel
Center Freq 1.91300000 GHz
Start Freq 1.91250000 GHz
Stop Freq 1.91350000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:59:05 May 22, 2001



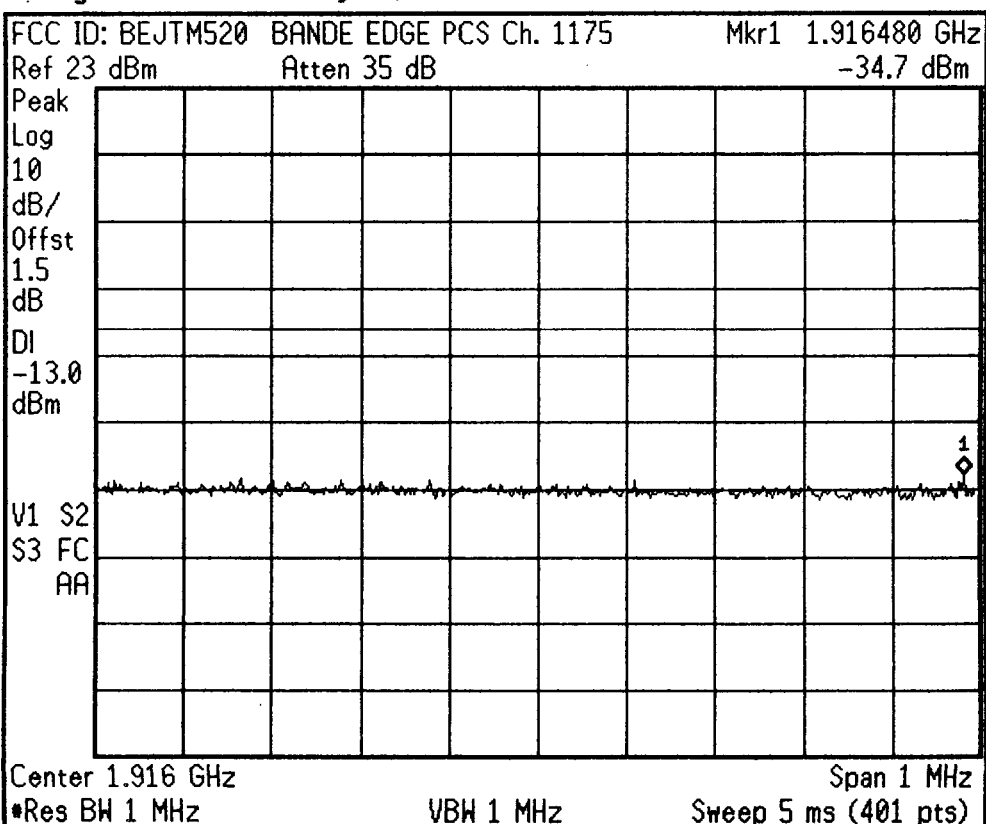
Freq/Channel
Center Freq 1.91400000 GHz
Start Freq 1.91350000 GHz
Stop Freq 1.91450000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 11:59:40 May 22, 2001



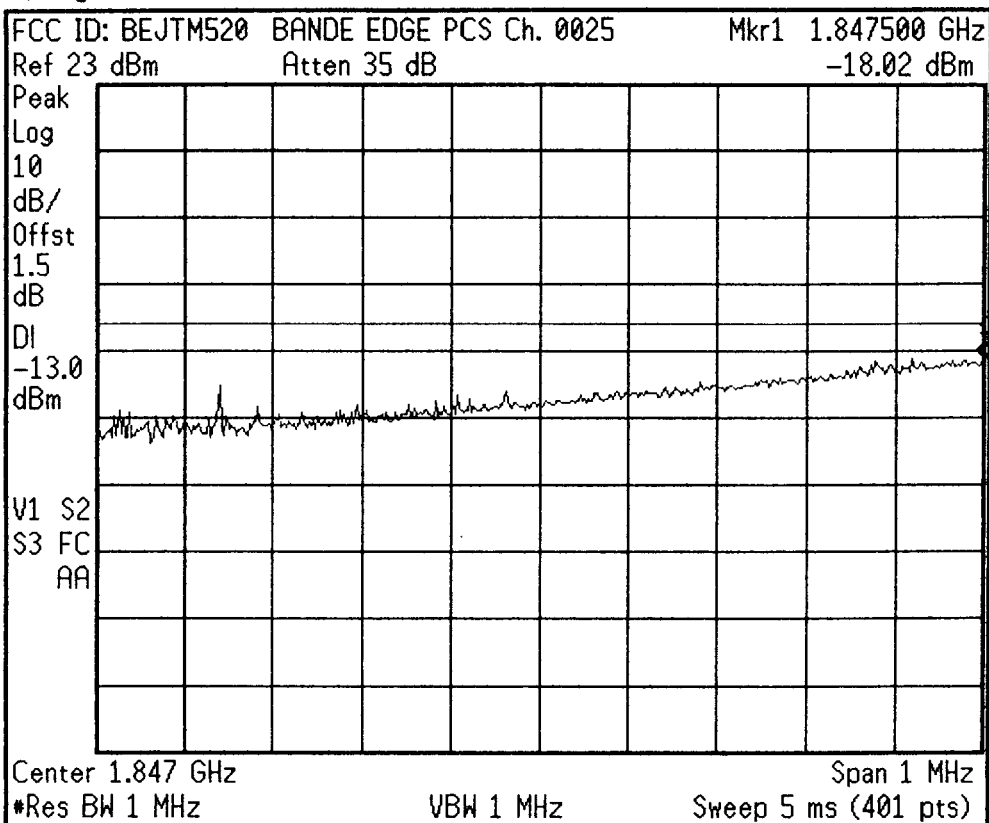
Freq/Channel
Center Freq 1.91500000 GHz
Start Freq 1.91450000 GHz
Stop Freq 1.91550000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 12:00:14 May 22, 2001



Freq/Channel
Center Freq 1.91600000 GHz
Start Freq 1.91550000 GHz
Stop Freq 1.91650000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:55:48 May 22, 2001



Freq/Channel

Center Freq
 1.84700000 GHz

Start Freq
 1.84650000 GHz

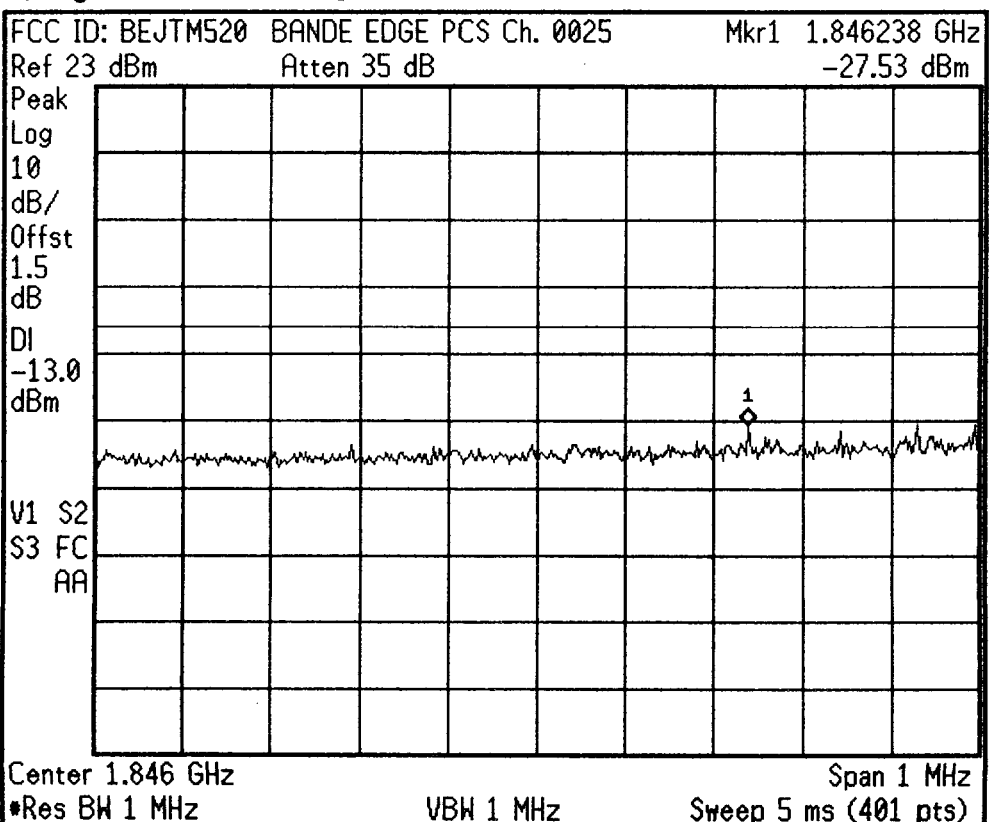
Stop Freq
 1.84750000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:56:23 May 22, 2001



Freq/Channel

Center Freq
 1.84600000 GHz

Start Freq
 1.84550000 GHz

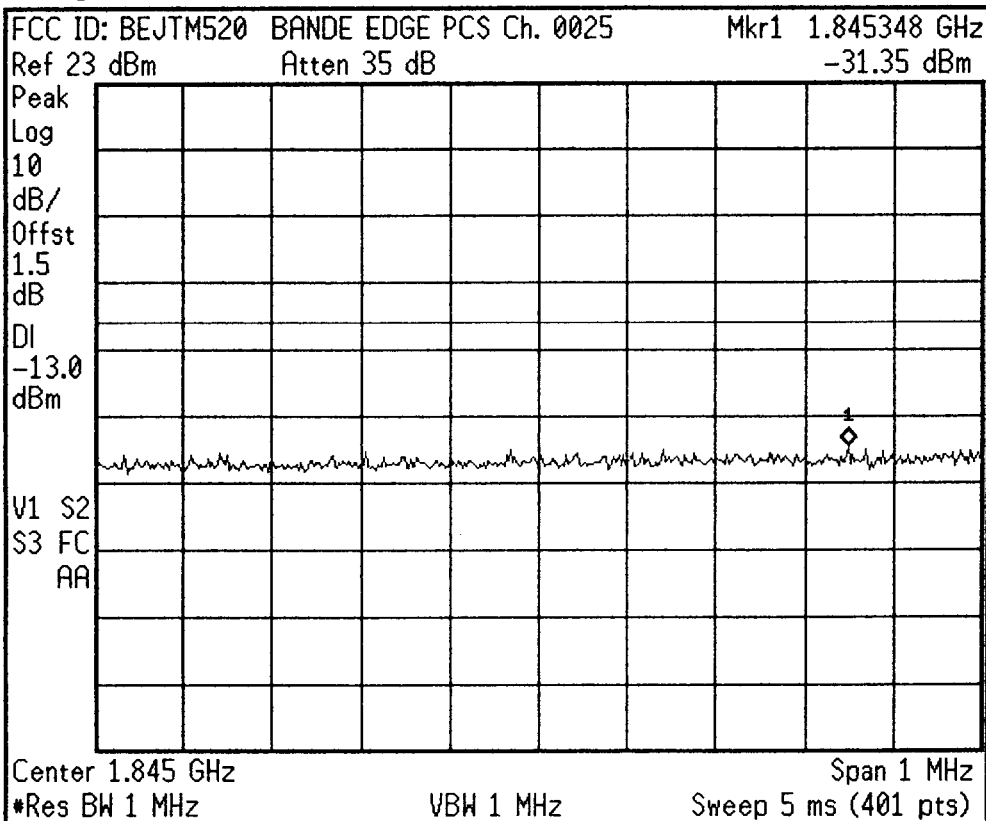
Stop Freq
 1.84650000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:56:55 May 22, 2001



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

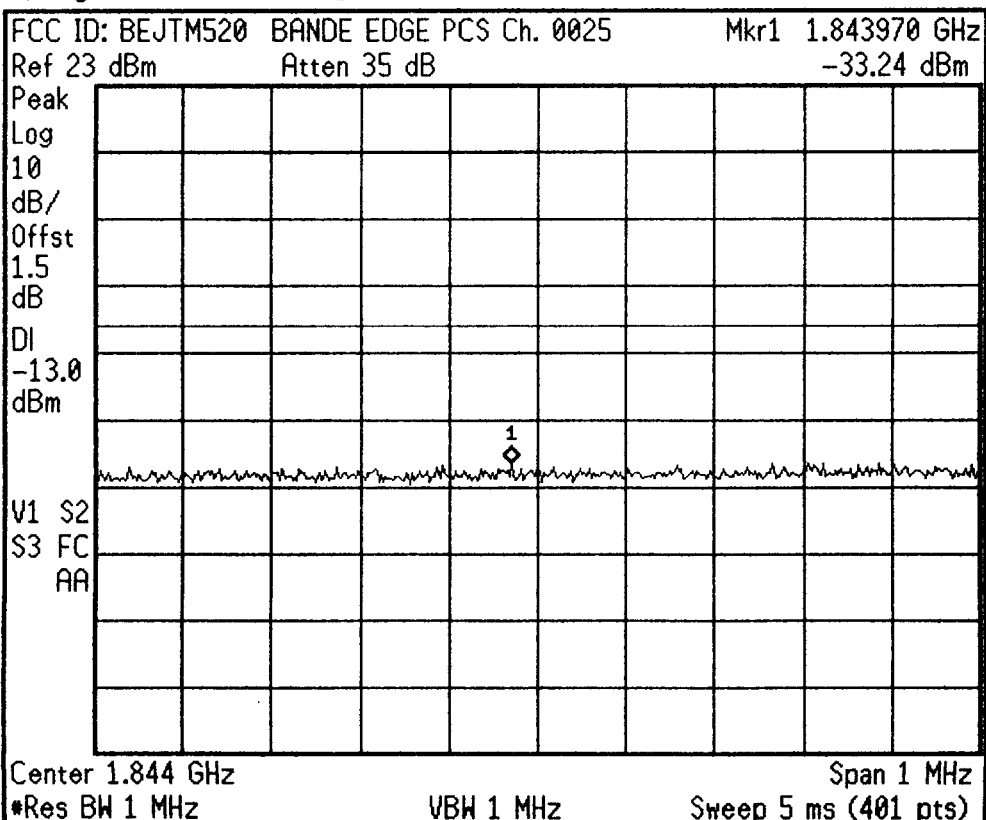
Stop Freq
 1.84550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:57:25 May 22, 2001



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

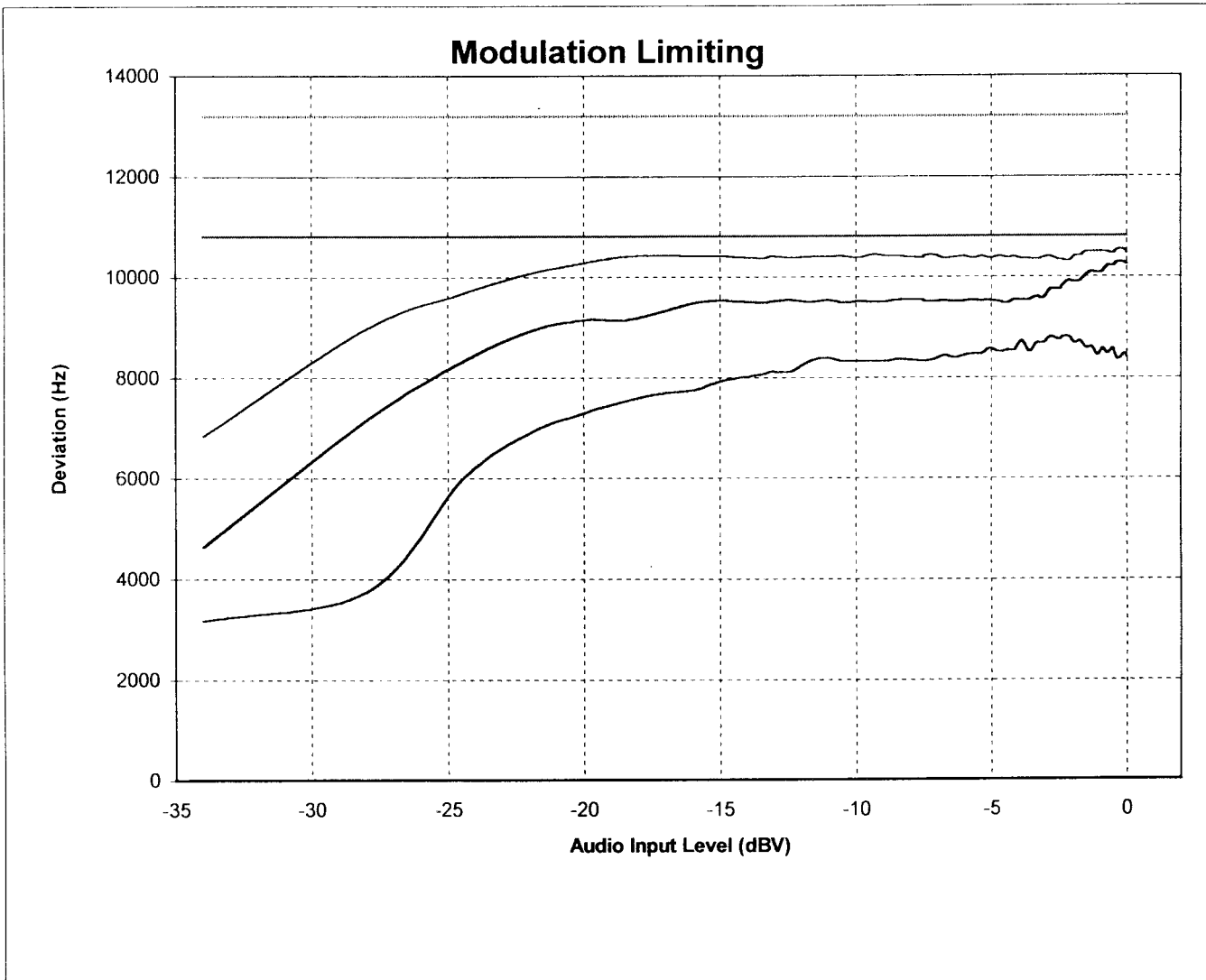
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.210511306.BEJ
Test Date: 05.22.2001

EUT: LGE Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: LG-TM520
FCC ID: BEJTM520

REFERENCE: 1 kHz = 0 dB



LGE Tri-Mode Phone (AMPS/CDMA)
FCC ID: BEJTM520 (Model: LG-TM520)

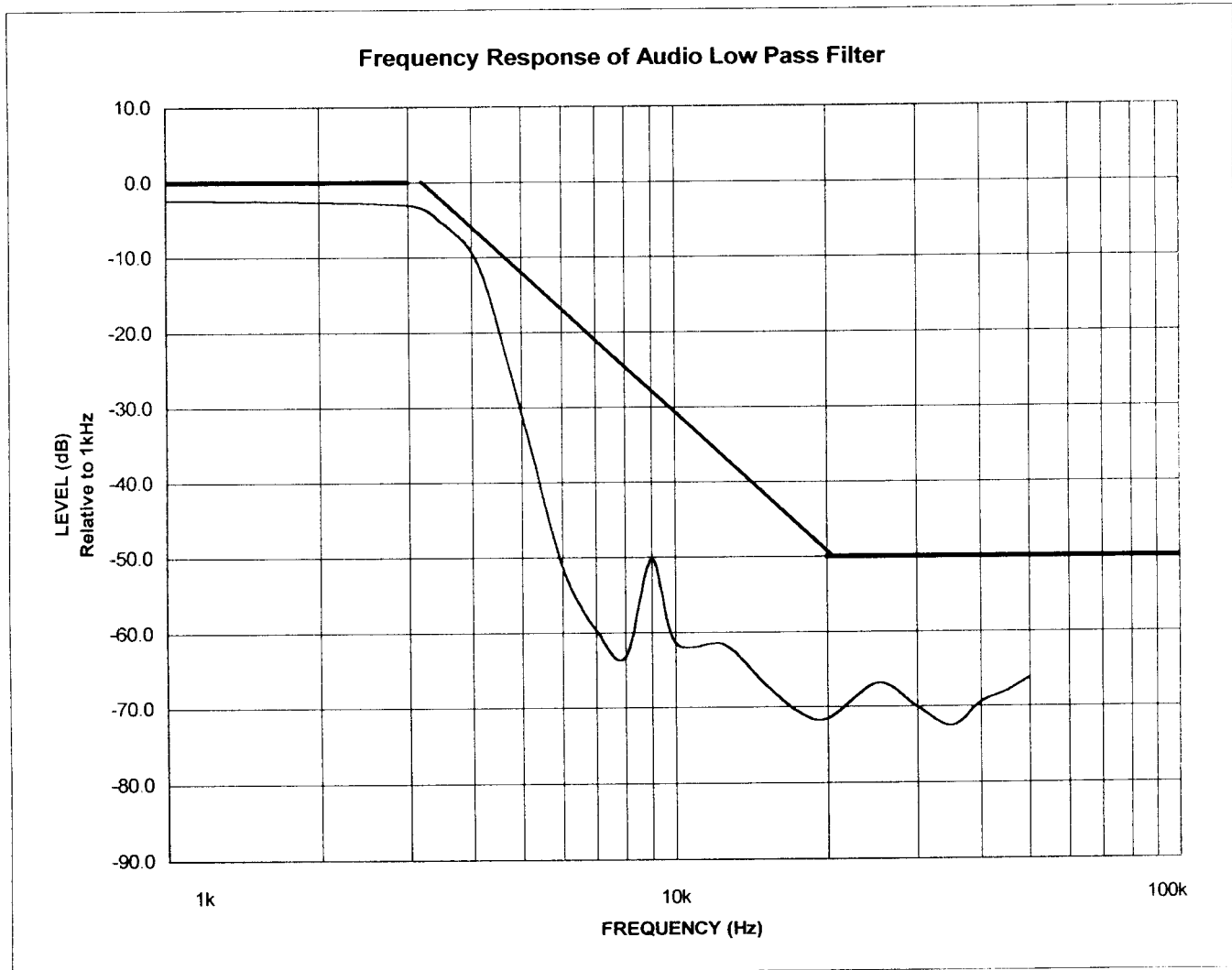
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.210511306.BEJ
Test Date: 05.22.2001

EUT: LGE Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: LG-TM520
FCC ID: BEJTM520

REFERENCE: 1 kHz = 0 dB



LGE Tri-Mode Phone (AMPS/CDMA)
FCC ID: BEJTM520 (Model: LG-TM520)