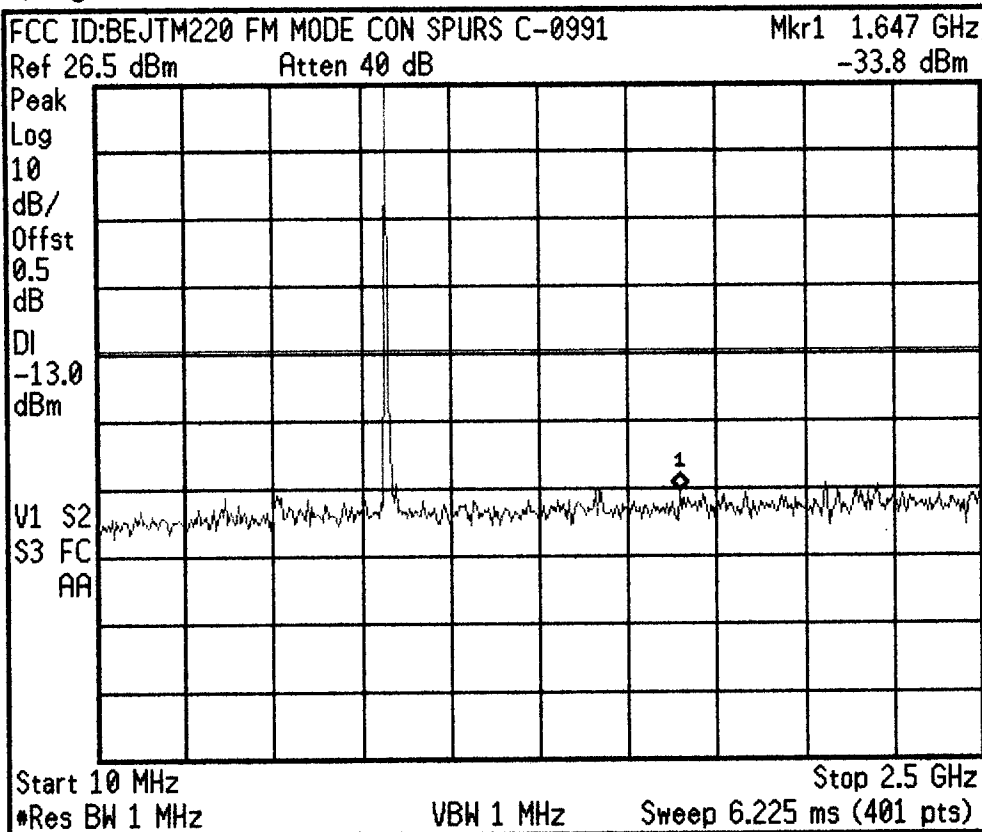


ATTACHMENT D – TEST PLOTS

* Agilent 12:00:25 Jan 17, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

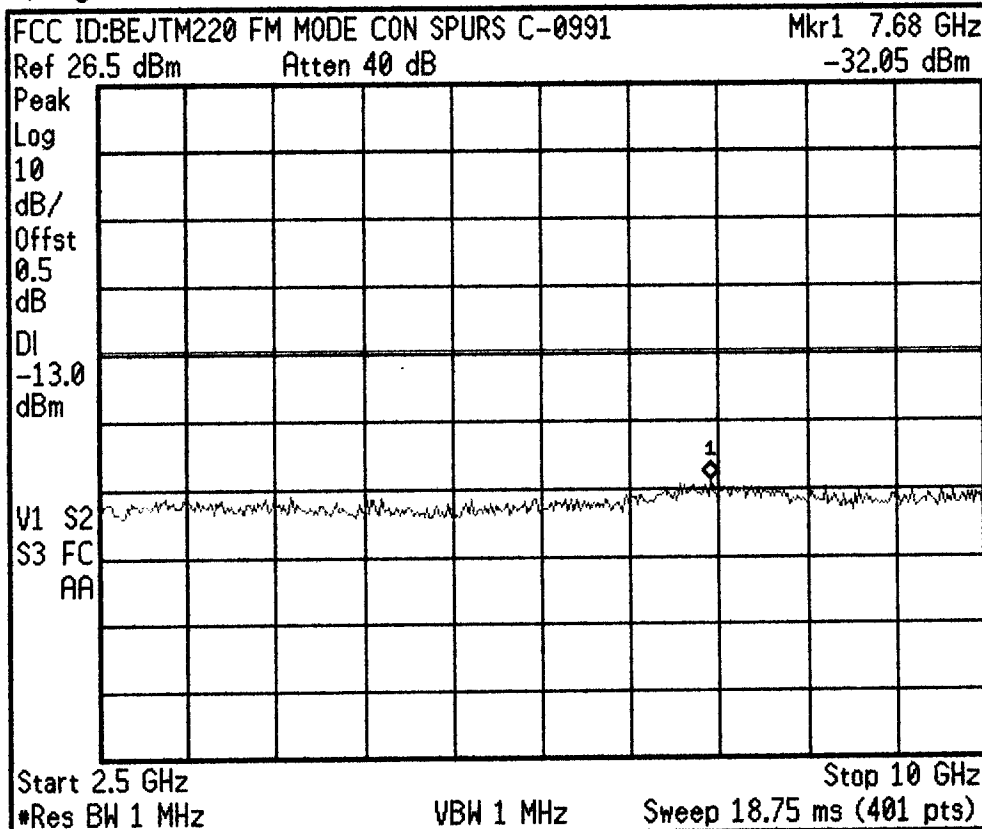
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:02:24 Jan 17, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

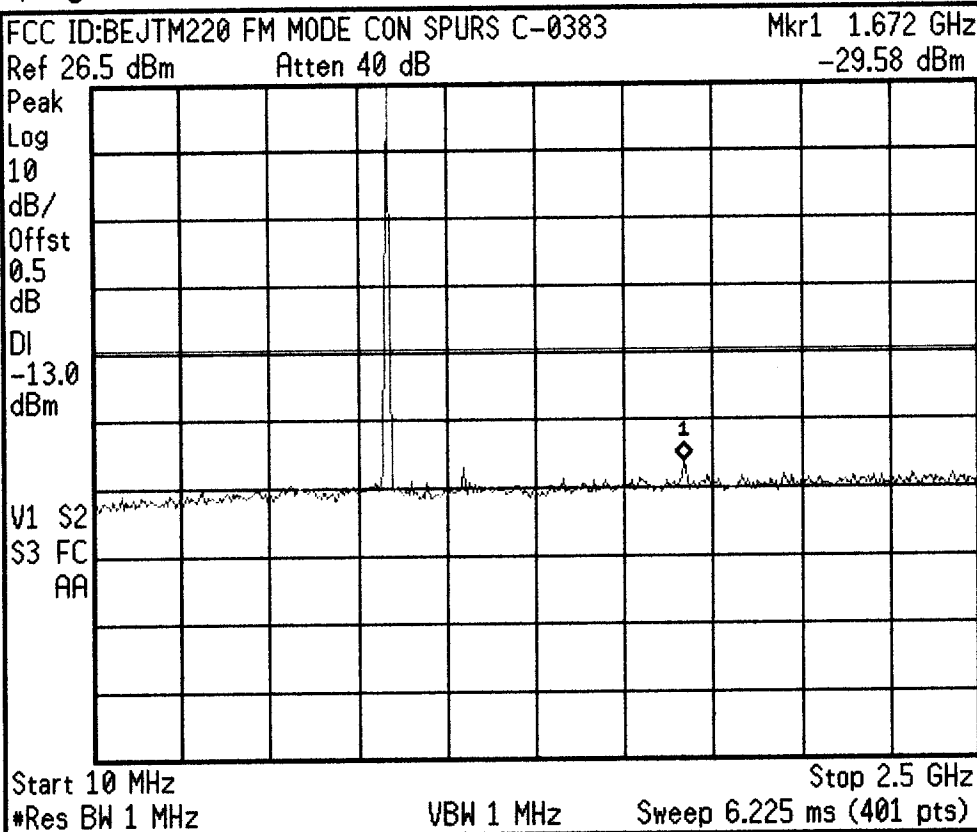
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

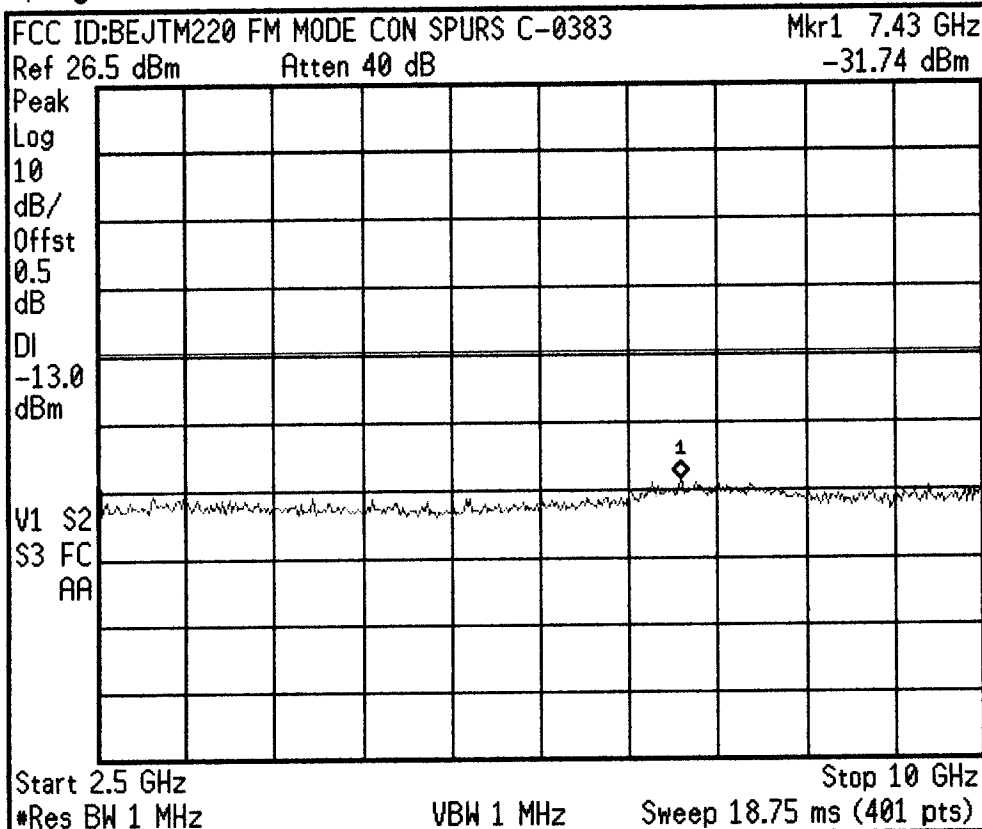
Signal Track
 On Off

Agilent 12:10:42 Jan 17, 2001



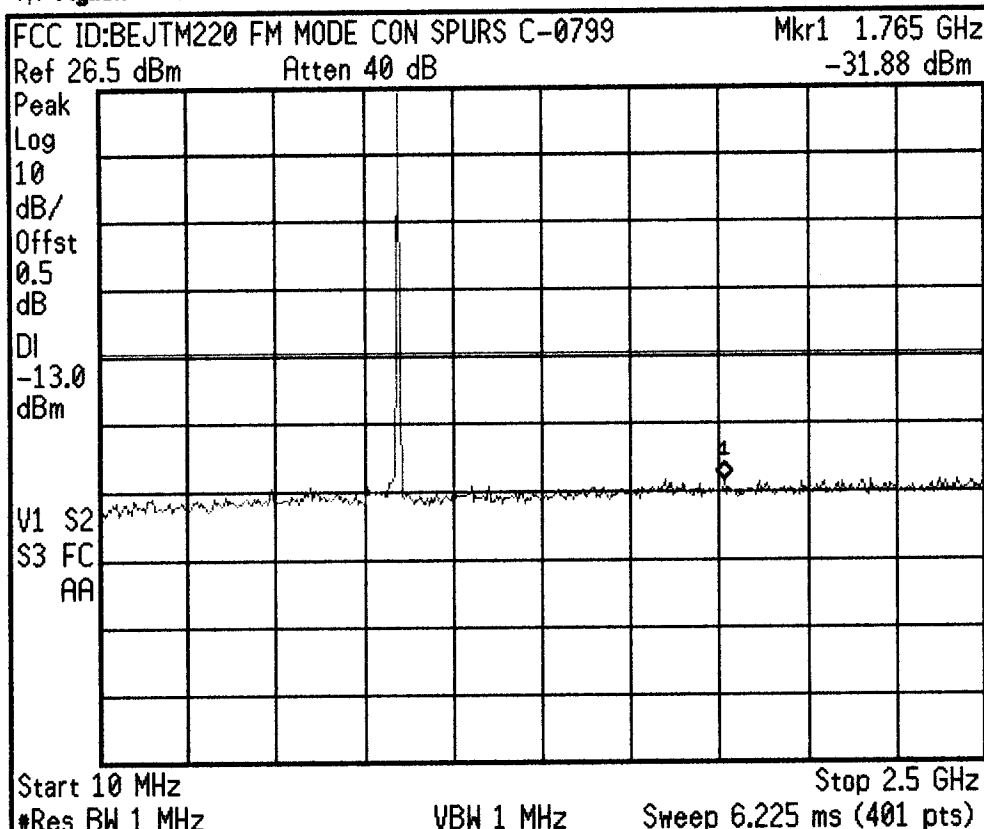
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 12:13:54 Jan 17, 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 12:19:03 Jan 17, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

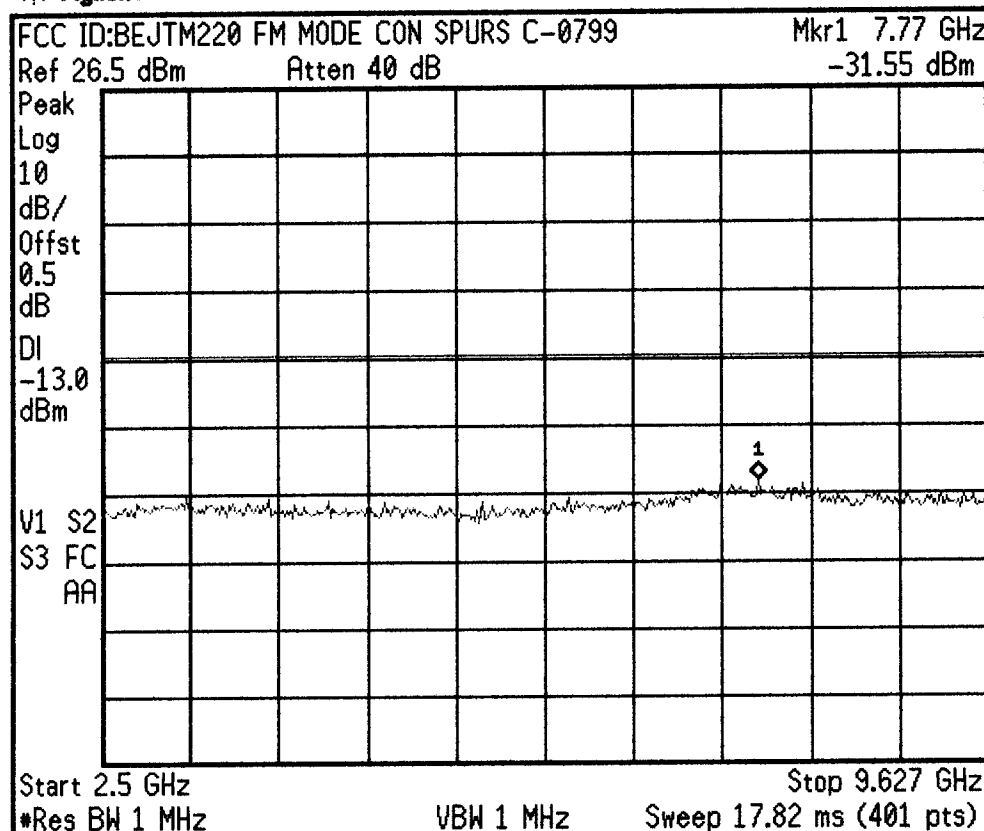
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:22:06 Jan 17, 2001



Freq/Channel

Center Freq
 6.06341781 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 9.62683562 GHz

CF Step
 712.683562 MHz
 Auto Man

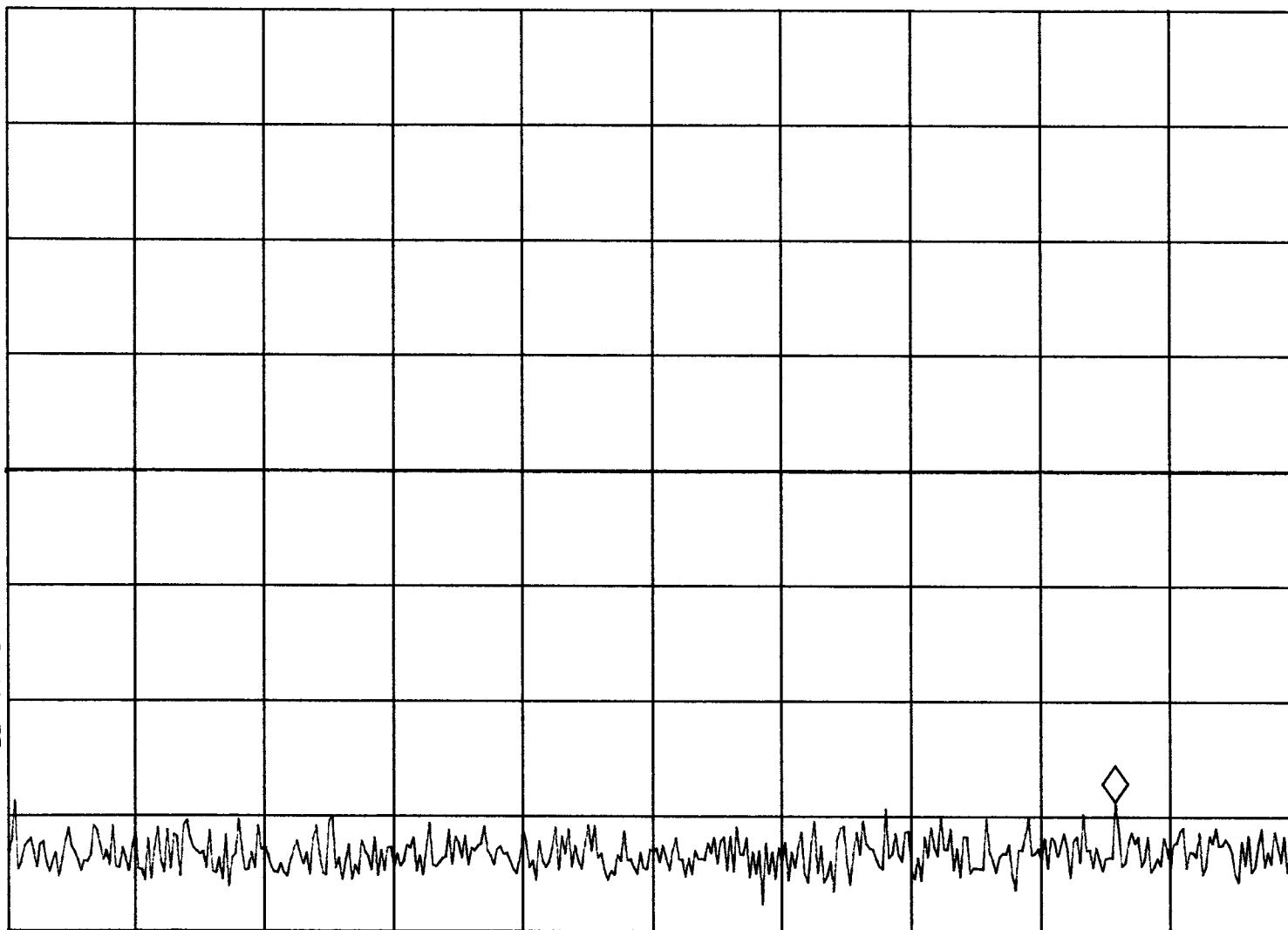
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

hp FCC ID: BEJTM220 FM MODE MKR 890.44 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -94.35 dBm

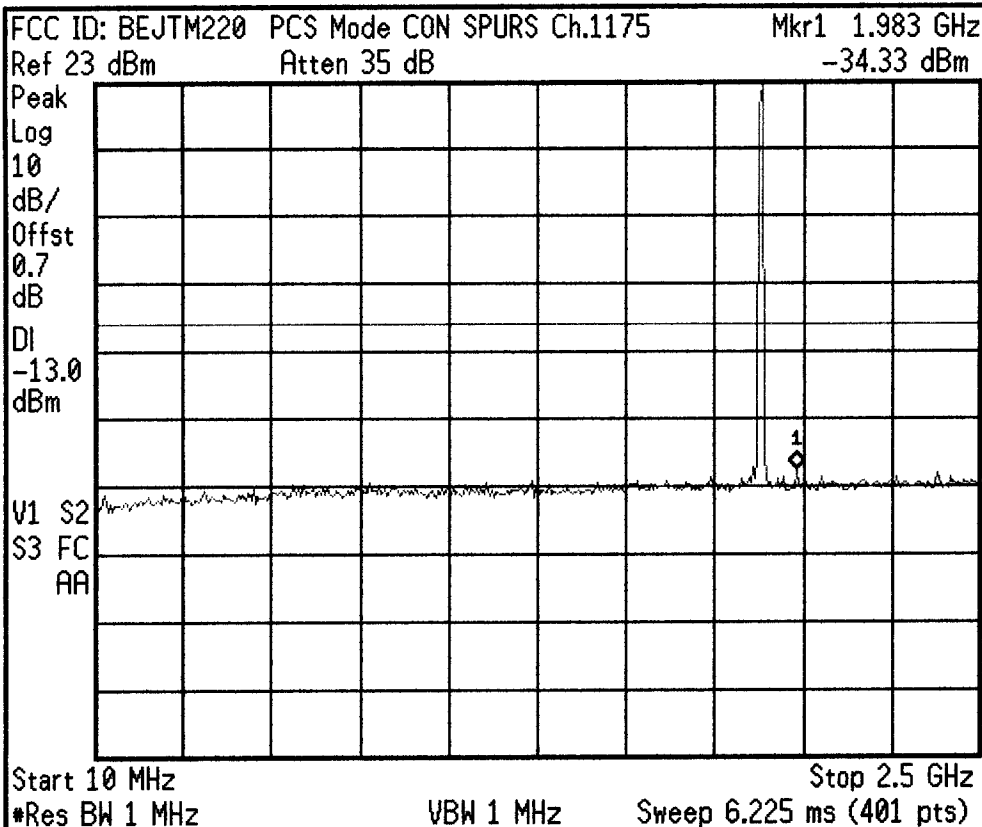
PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-80.0
dBm

VA SB
SC FC
CORR



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

* Agilent 11:41:45 Jan 18, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

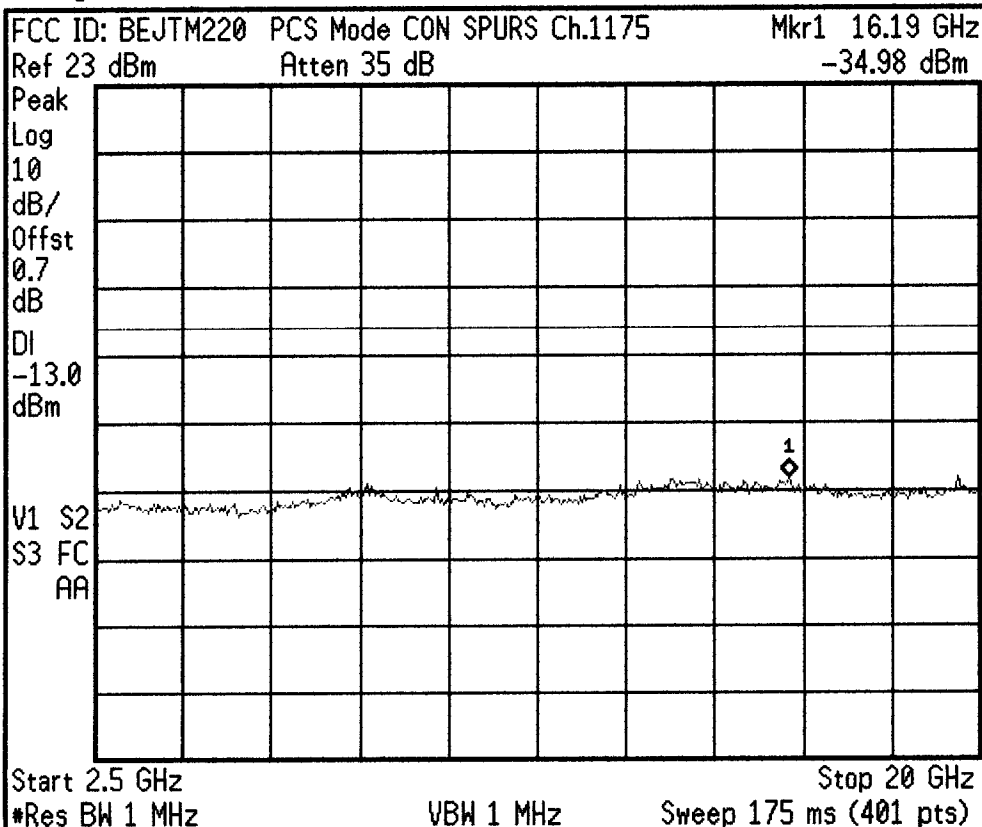
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:42:42 Jan 18, 2001



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

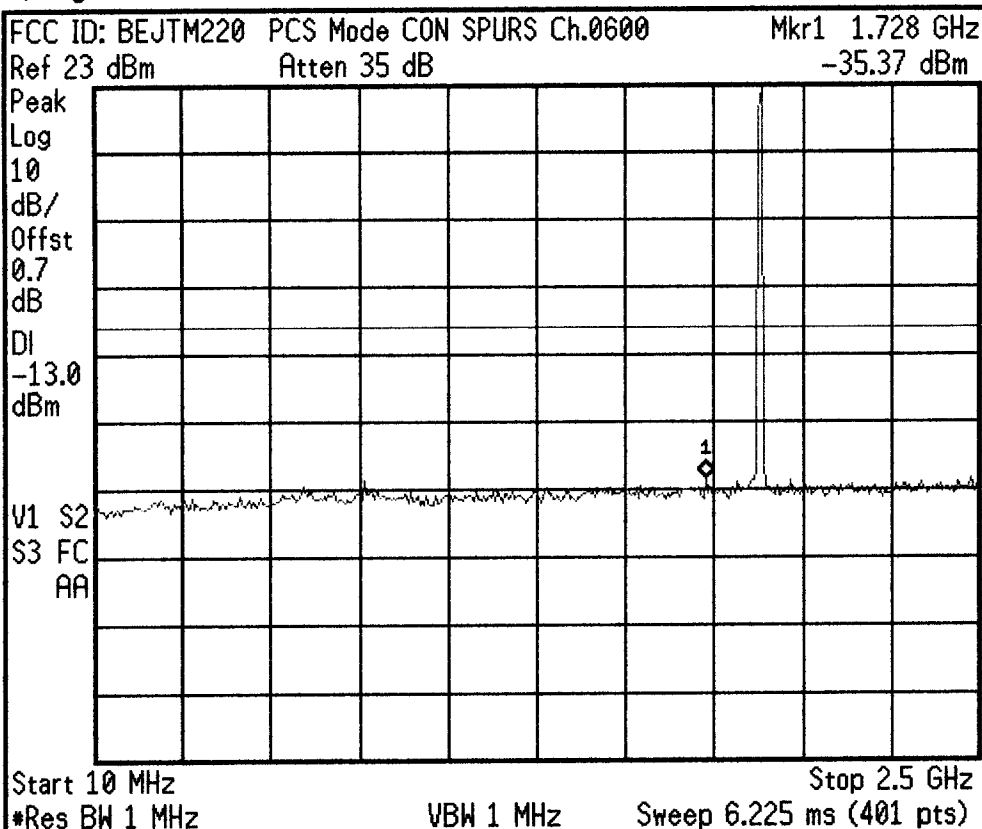
Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:36:31 Jan 18, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

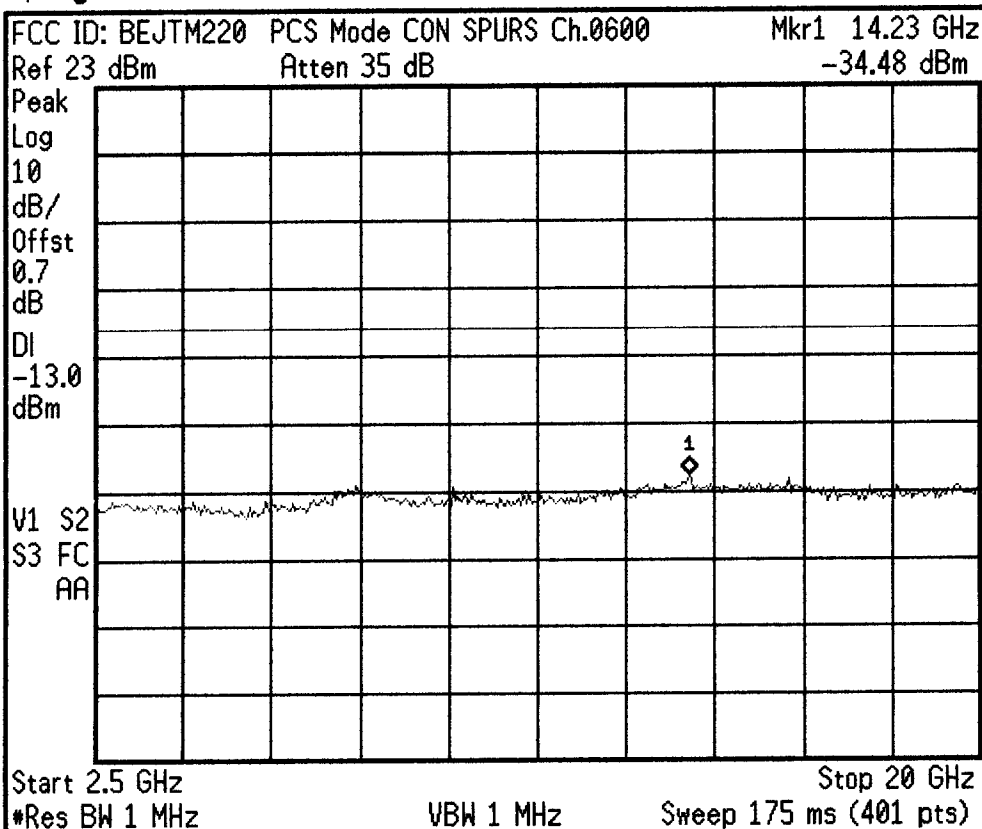
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:37:36 Jan 18, 2001



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

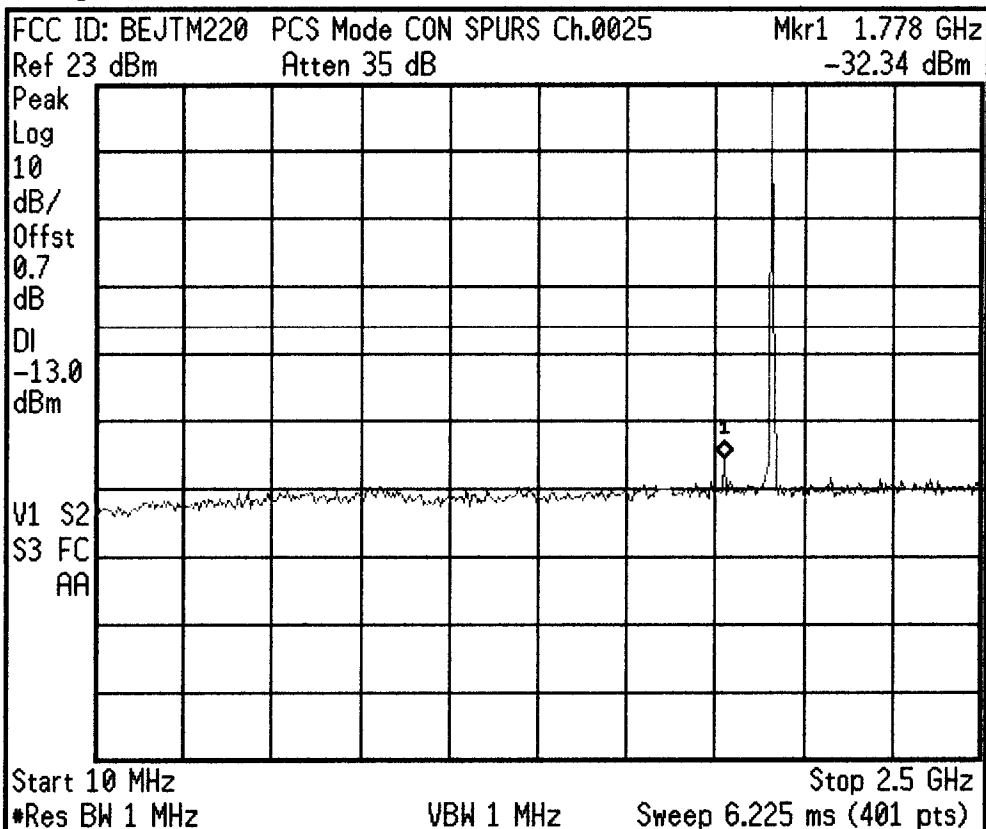
Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:25:15 Jan 18, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

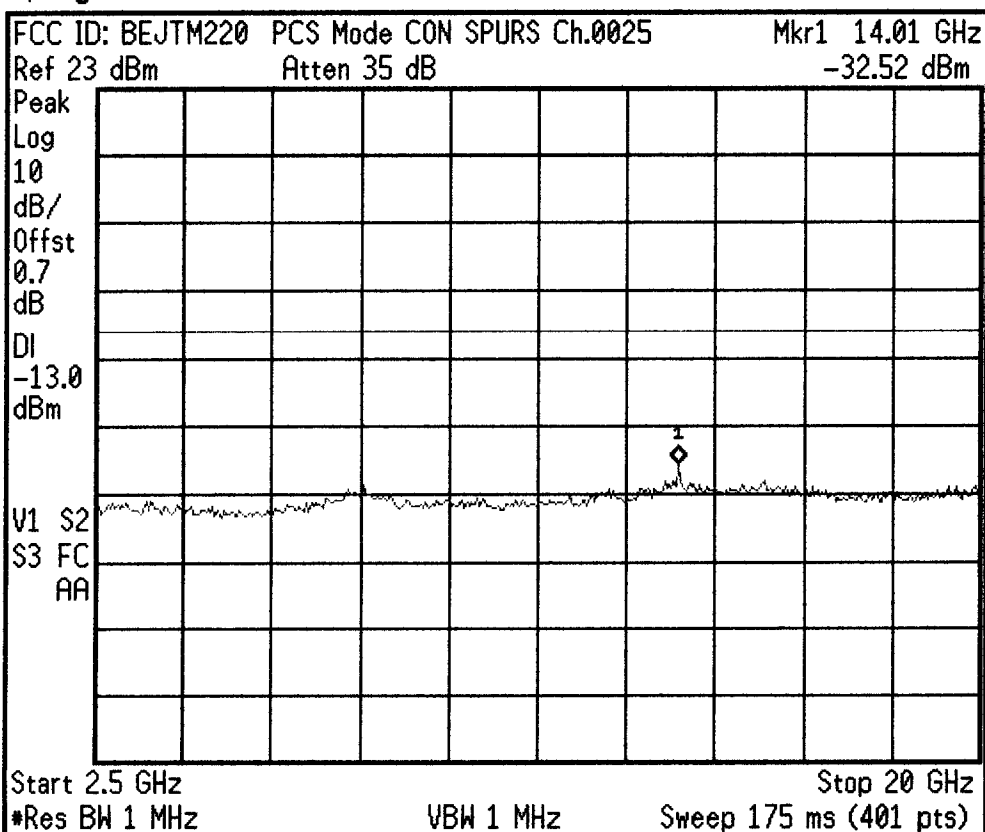
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 11:26:36 Jan 18, 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 12:07:43 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode Power Out Ch.1175

Ref 23 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
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 12:03:44 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode Power Out Ch.0600

Ref 23 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
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

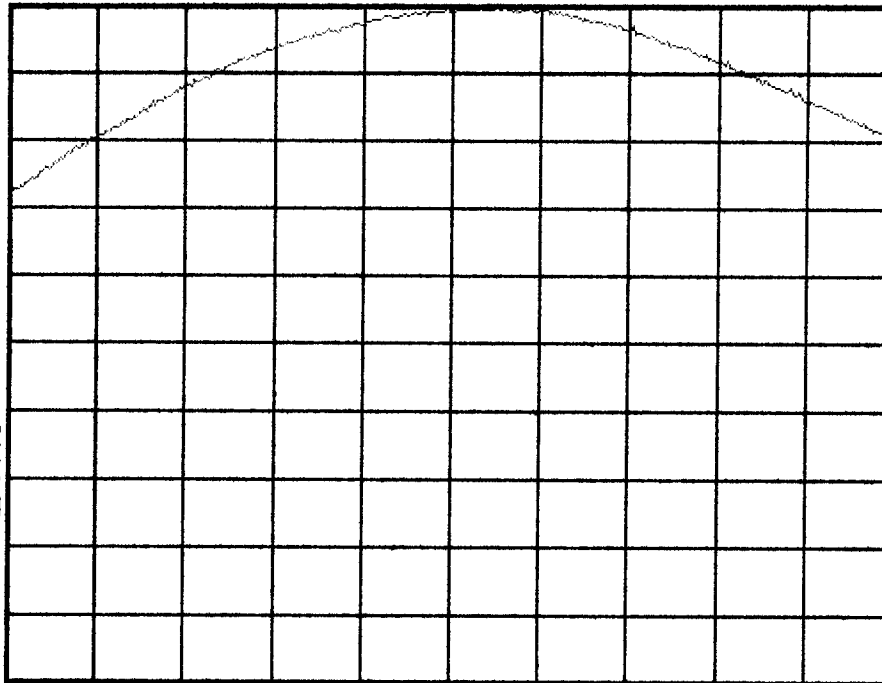
Off

* Agilent 11:49:16 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode Power Out Ch.0025
Ref 23 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
0.7
dB

V1 S2
S3 FC
AA



Center 1.851 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 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

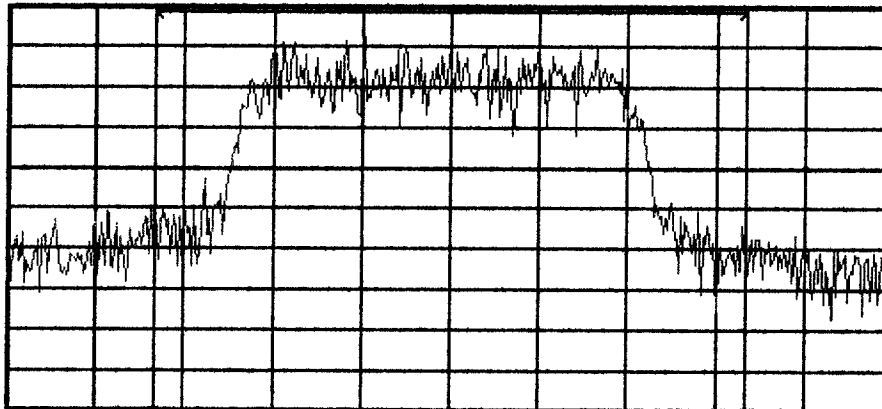
Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 11:55:48 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode Power Out Ch.0025
Ref 23 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.7
dB



Center 1.851 GHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz
Sweep 9.167 ms (401 pts)

Freq/Channel

Center Freq
1.85130000 GHz

Start Freq
1.84980000 GHz

Stop Freq
1.85280000 GHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Channel Power Results (idle)

Channel Power
23.00 dBm

Integration BW 2.000 MHz

Density -40.01 dBm/Hz

* Agilent 12:17:18 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode BAND EDGE Ch.0025

Ref 23 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

0.7

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)

Freq/Channel

Center Freq

1.8500000 GHz

Start Freq

1.8475000 GHz

Stop Freq

1.8525000 GHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.0000000 Hz

Signal Track

On

Off

* Agilent 12:19:47 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode BAND EDGE Ch.1175

Ref 23 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

0.7

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)

Freq/Channel

Center Freq

1.9100000 GHz

Start Freq

1.9075000 GHz

Stop Freq

1.9125000 GHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

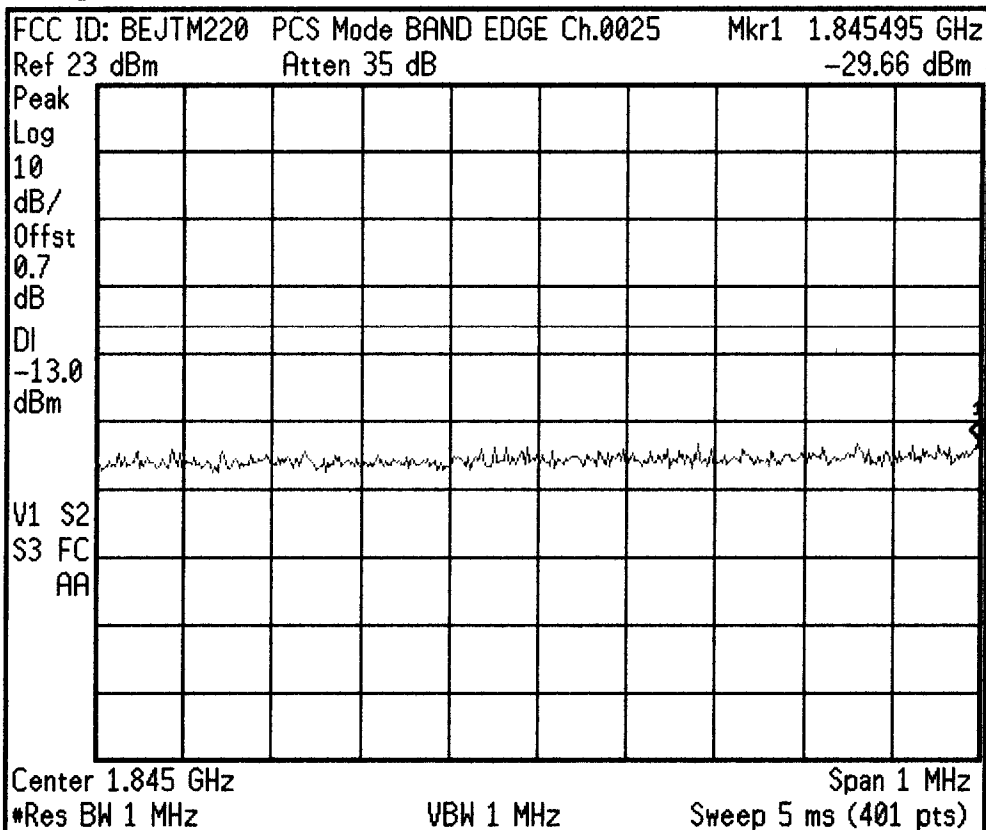
0.0000000 Hz

Signal Track

On

Off

* Agilent 12:29:45 Jan 18, 2001



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

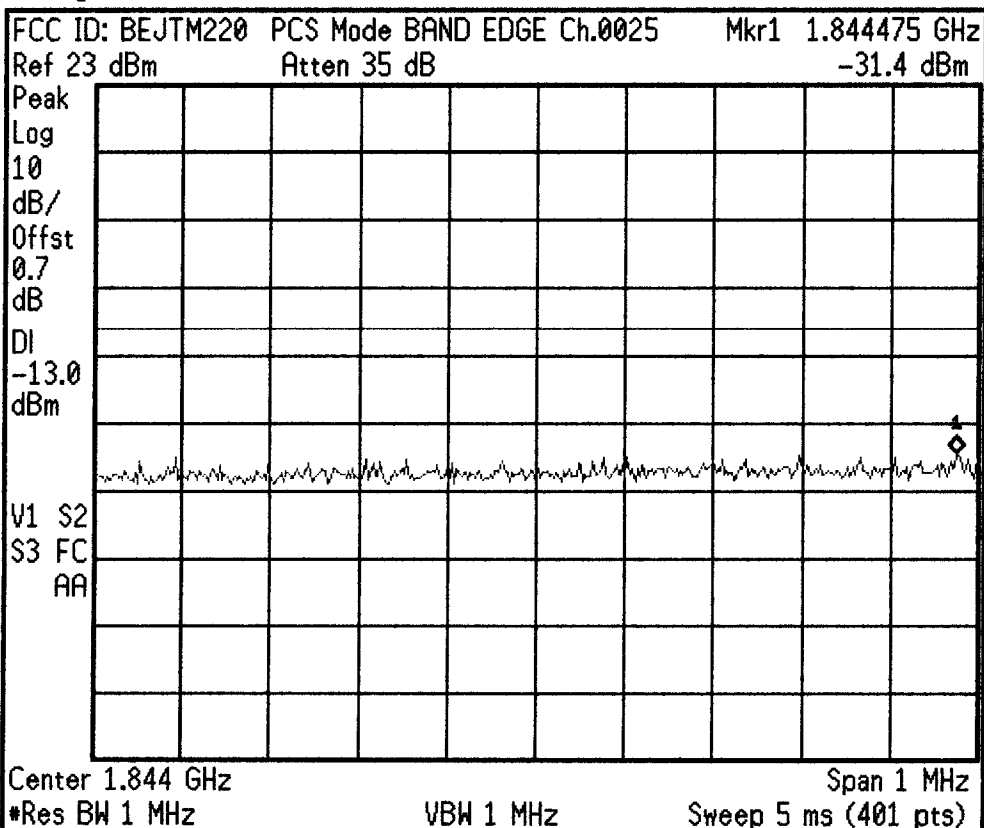
Stop Freq
 1.84550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:30:39 Jan 18, 2001



Freq/Channel

Center Freq
 1.84400000 GHz

Start Freq
 1.84350000 GHz

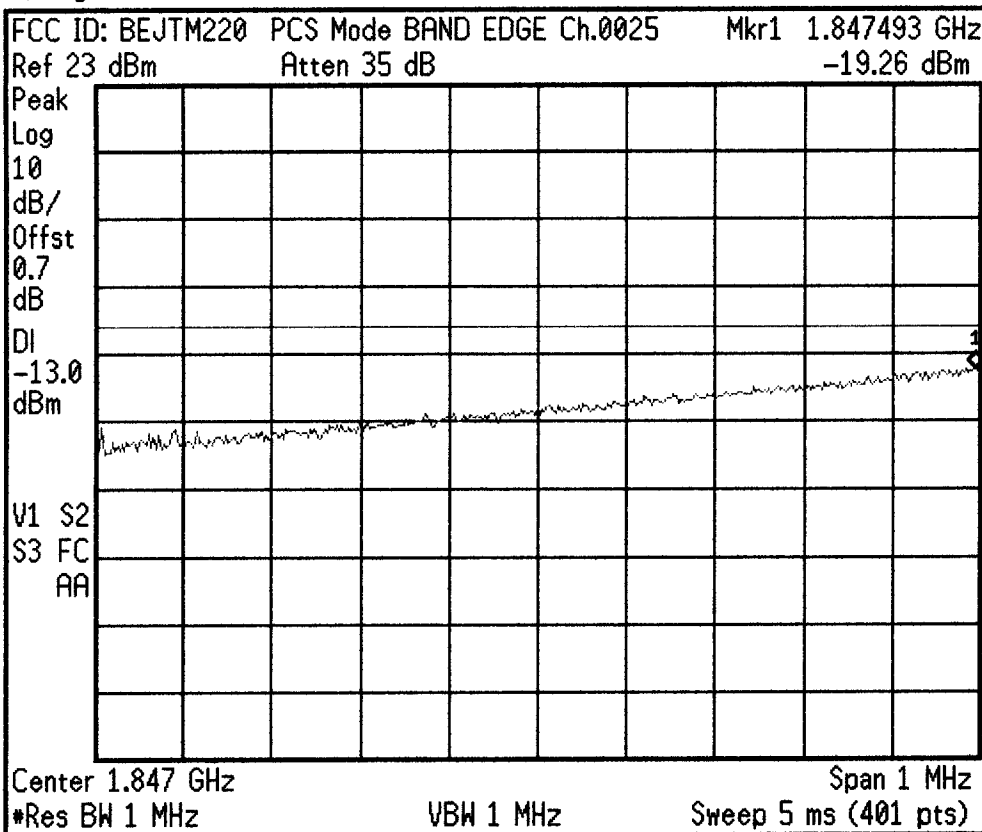
Stop Freq
 1.84450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:28:26 Jan 18, 2001



Freq/Channel

Center Freq
 1.84700000 GHz

Start Freq
 1.84650000 GHz

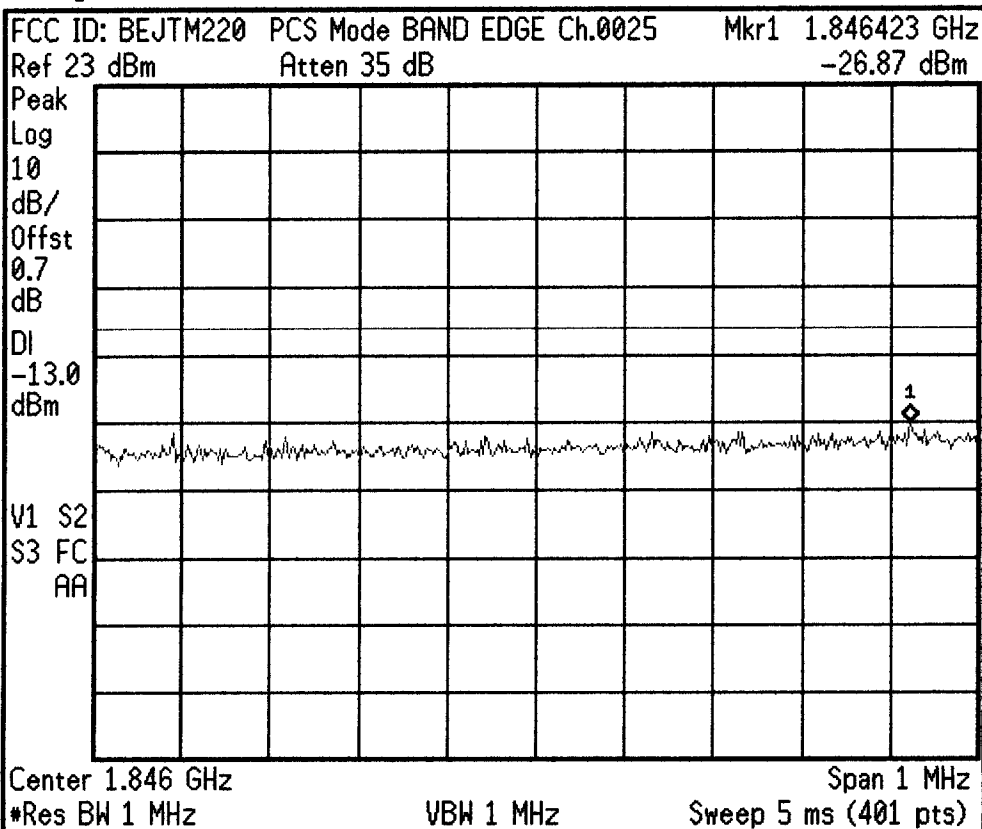
Stop Freq
 1.84750000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:29:03 Jan 18, 2001



Freq/Channel

Center Freq
 1.84600000 GHz

Start Freq
 1.84550000 GHz

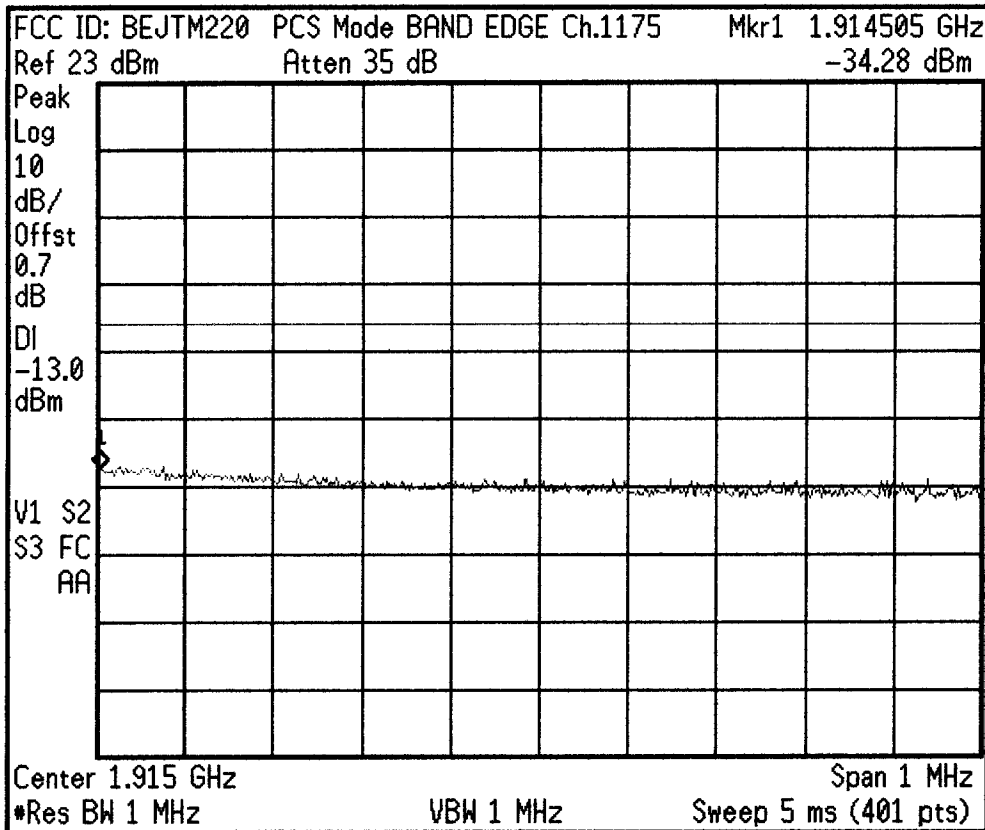
Stop Freq
 1.84650000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:24:37 Jan 18, 2001



Freq/Channel

Center Freq
 1.9150000 GHz

Start Freq
 1.9145000 GHz

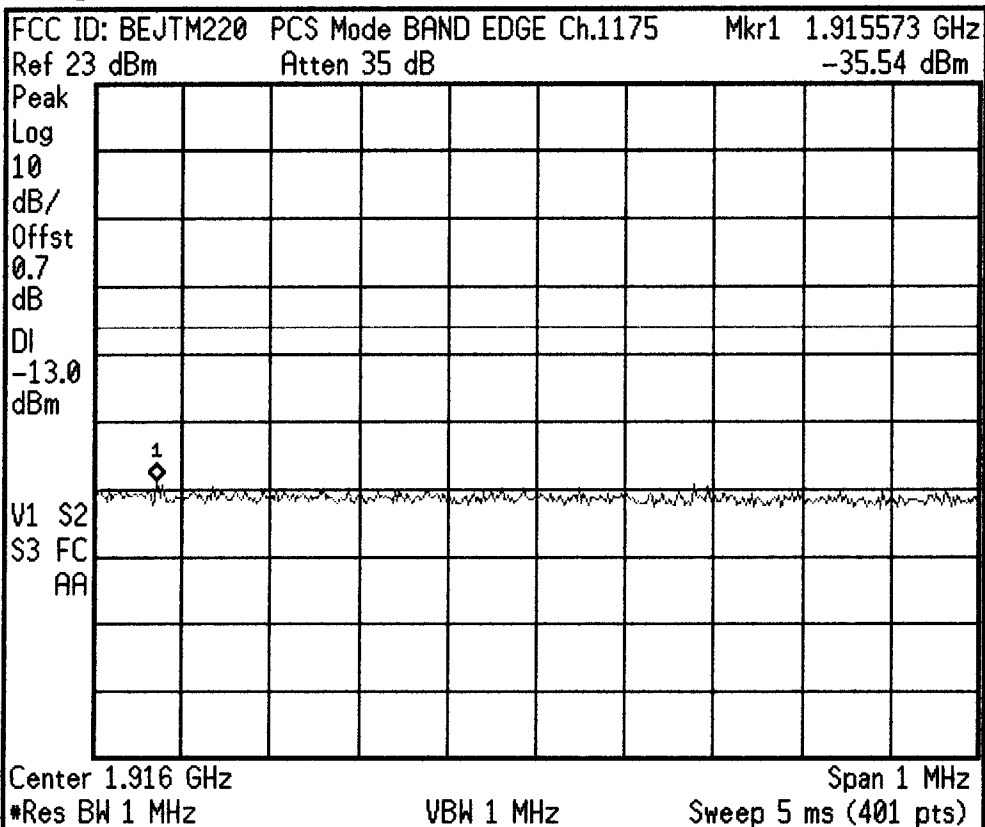
Stop Freq
 1.9155000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.0000000 Hz

Signal Track
 On Off

* Agilent 12:25:11 Jan 18, 2001



Freq/Channel

Center Freq
 1.9160000 GHz

Start Freq
 1.9155000 GHz

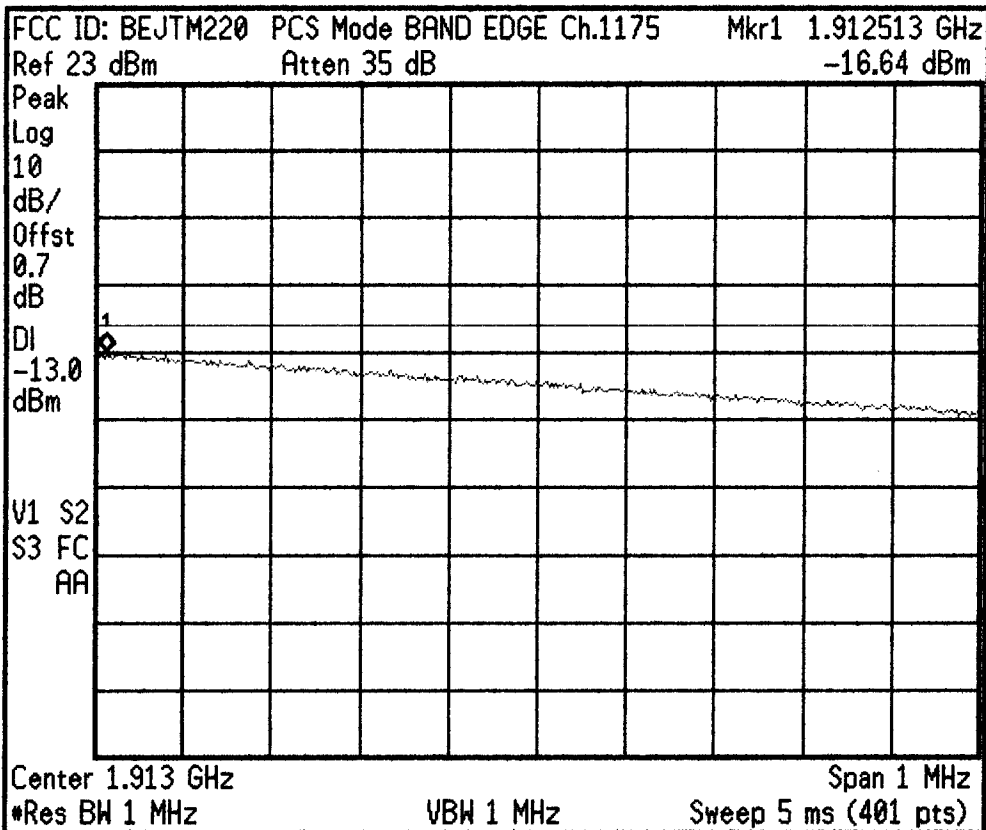
Stop Freq
 1.9165000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.0000000 Hz

Signal Track
 On Off

* Agilent 12:23:04 Jan 18, 2001



Freq/Channel

Center Freq
 1.91300000 GHz

Start Freq
 1.91250000 GHz

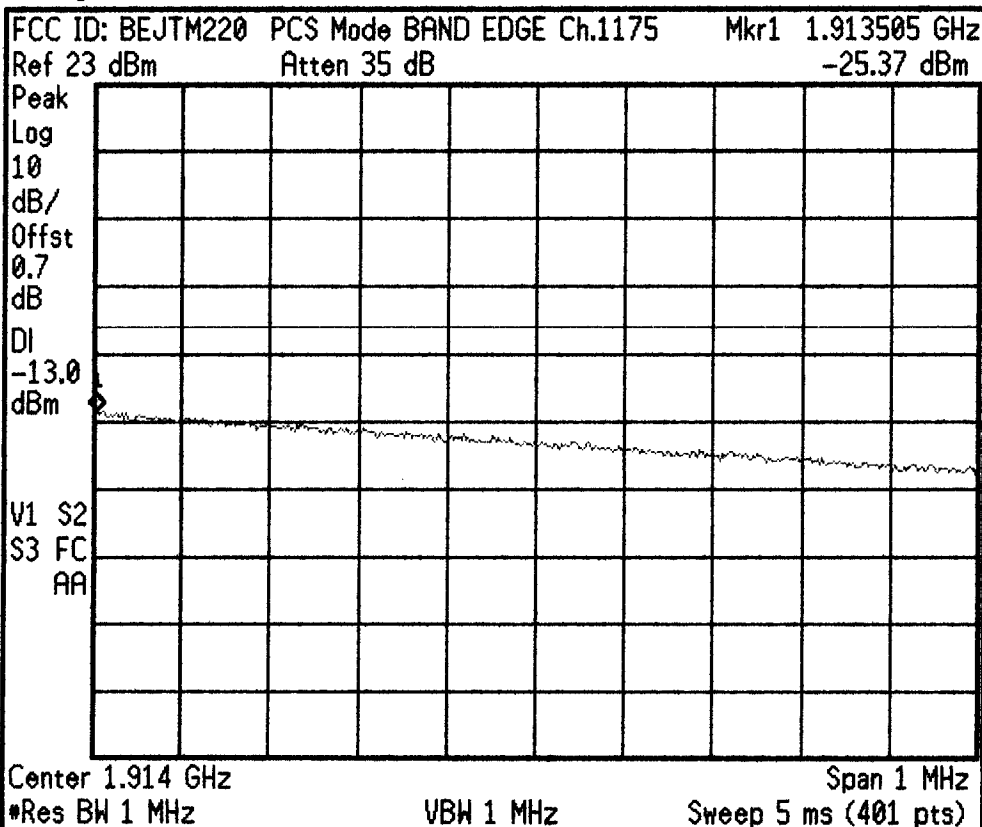
Stop Freq
 1.91350000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:23:58 Jan 18, 2001



Freq/Channel

Center Freq
 1.91400000 GHz

Start Freq
 1.91350000 GHz

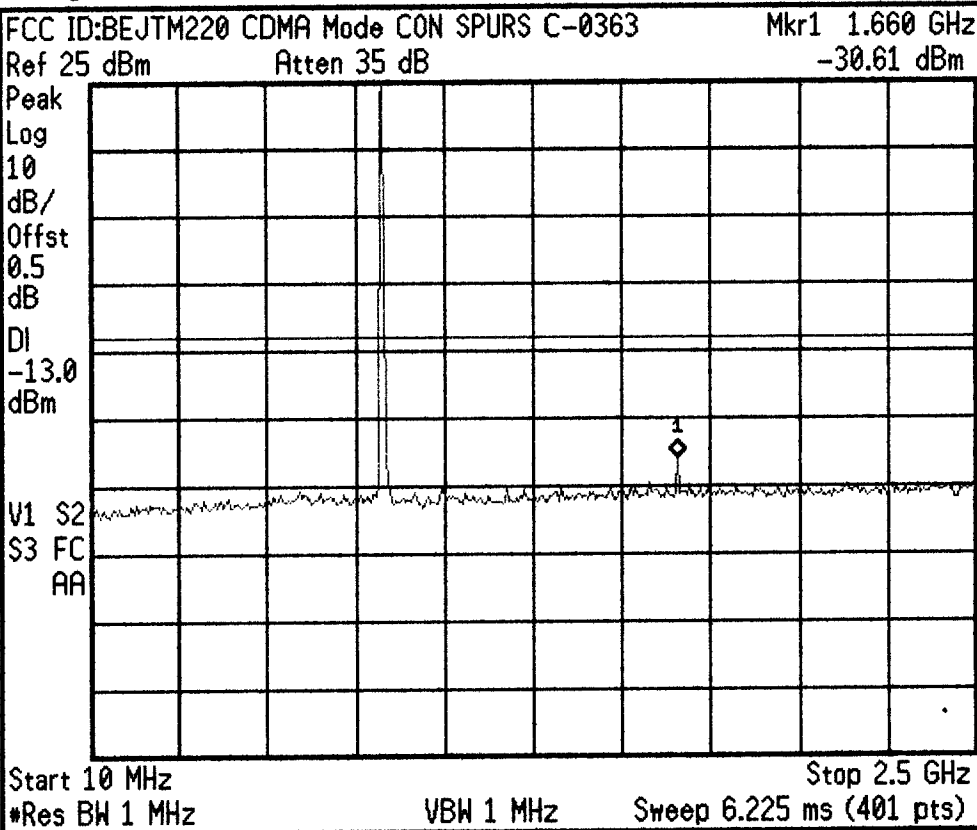
Stop Freq
 1.91450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:45:27 Jan 17, 2001



Trace

Trace

1 2 3

Clear Write

Max Hold

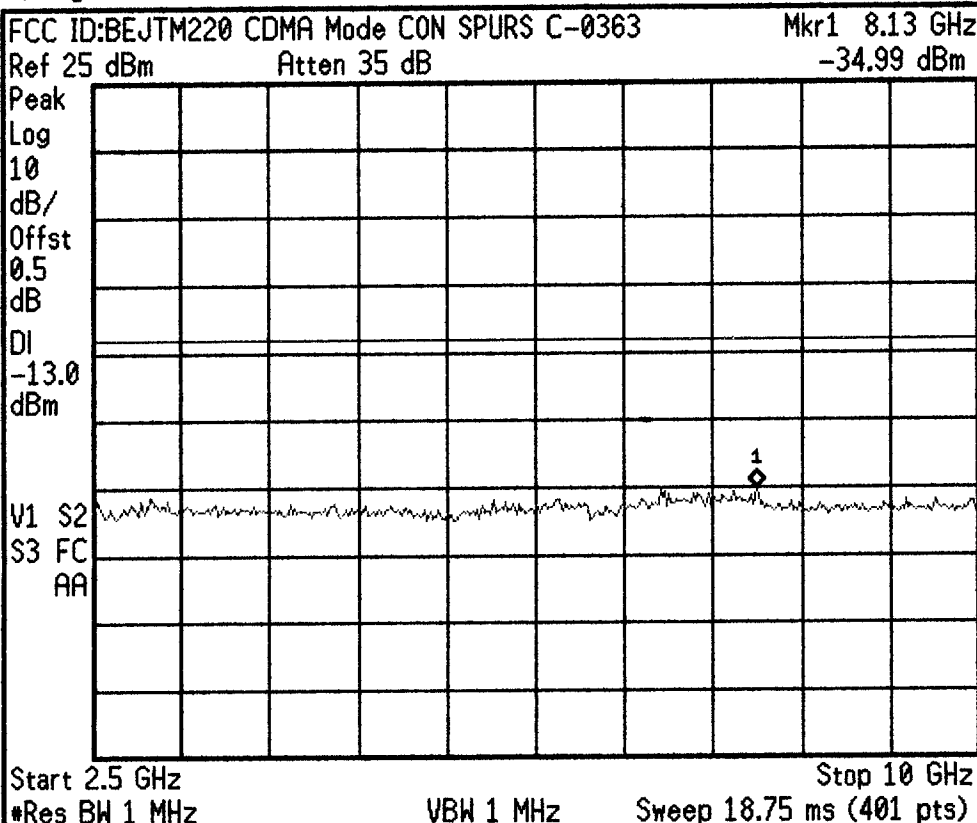
Min Hold

View

Blank

More
 1 of 2

* Agilent 12:46:33 Jan 17, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

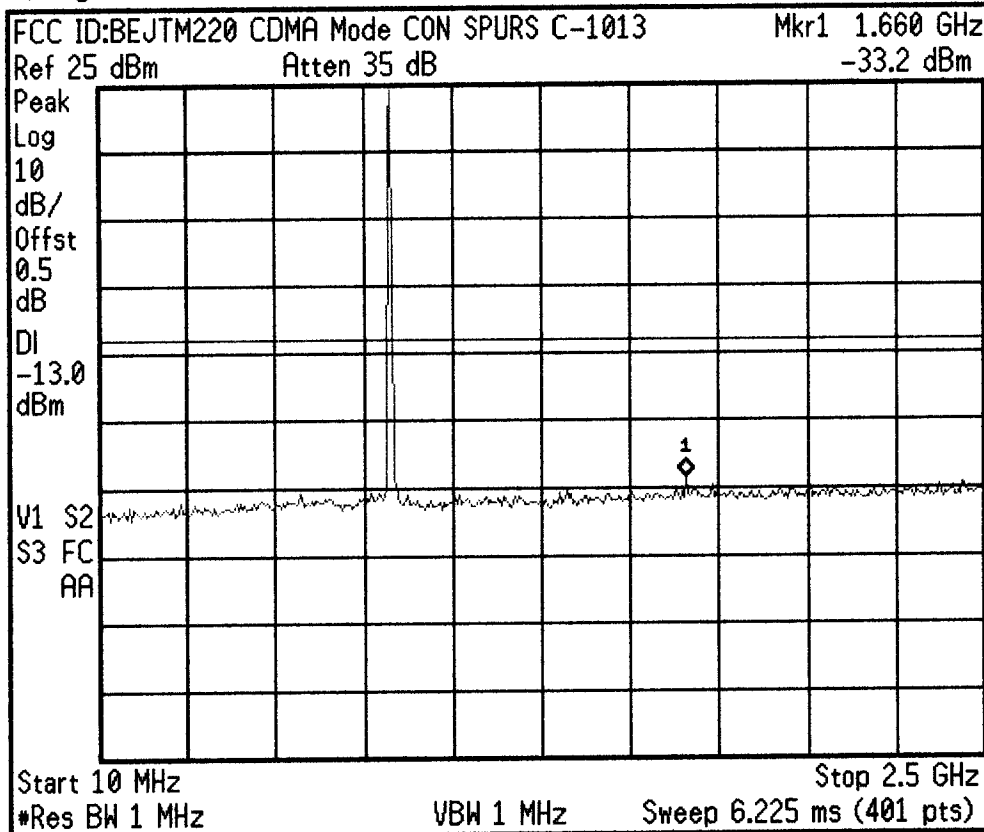
Stop Freq
 10.00000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:35:25 Jan 17, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

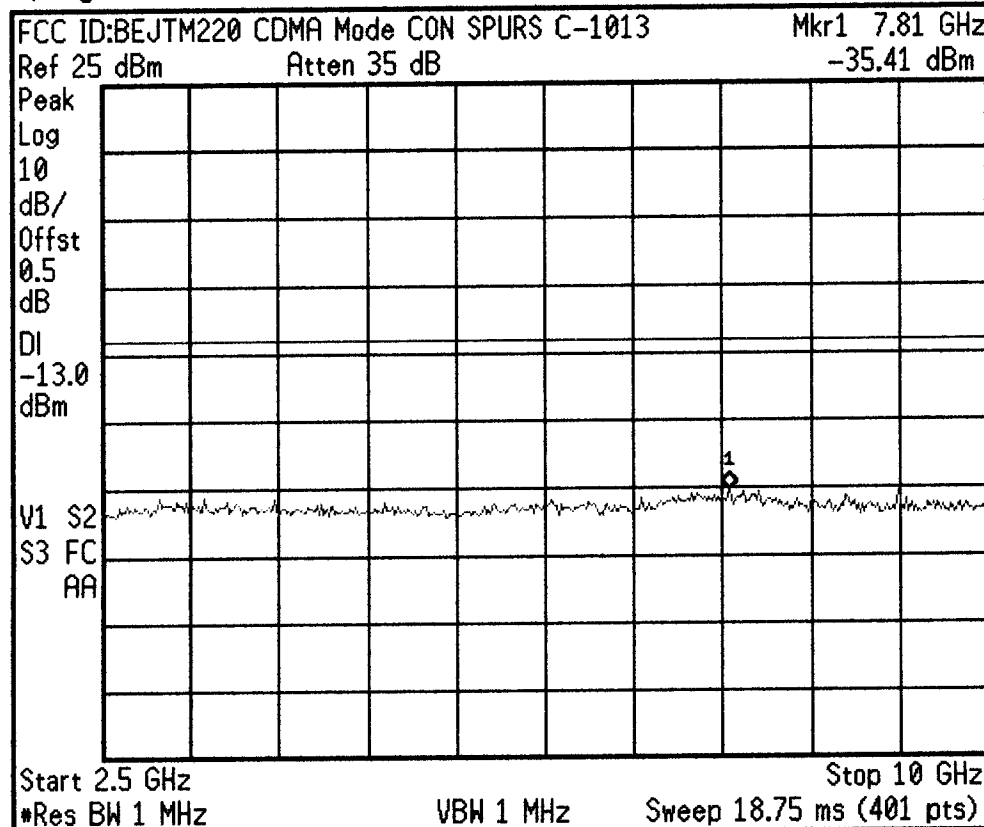
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 12:37:56 Jan 17, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

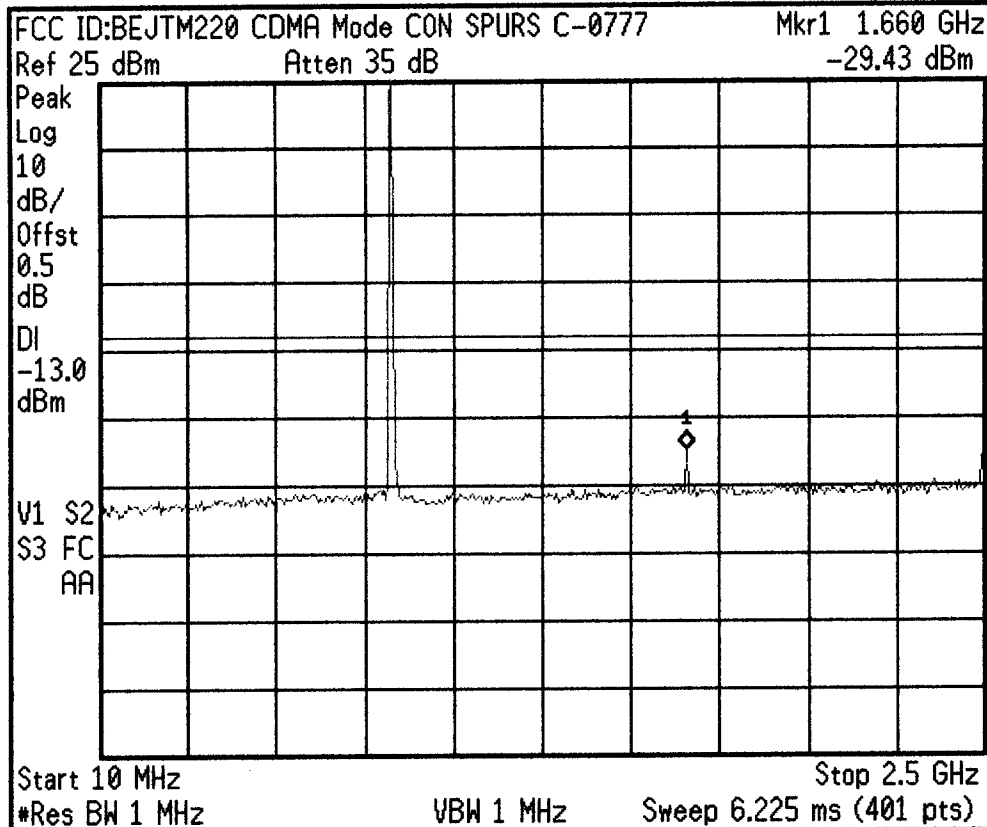
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

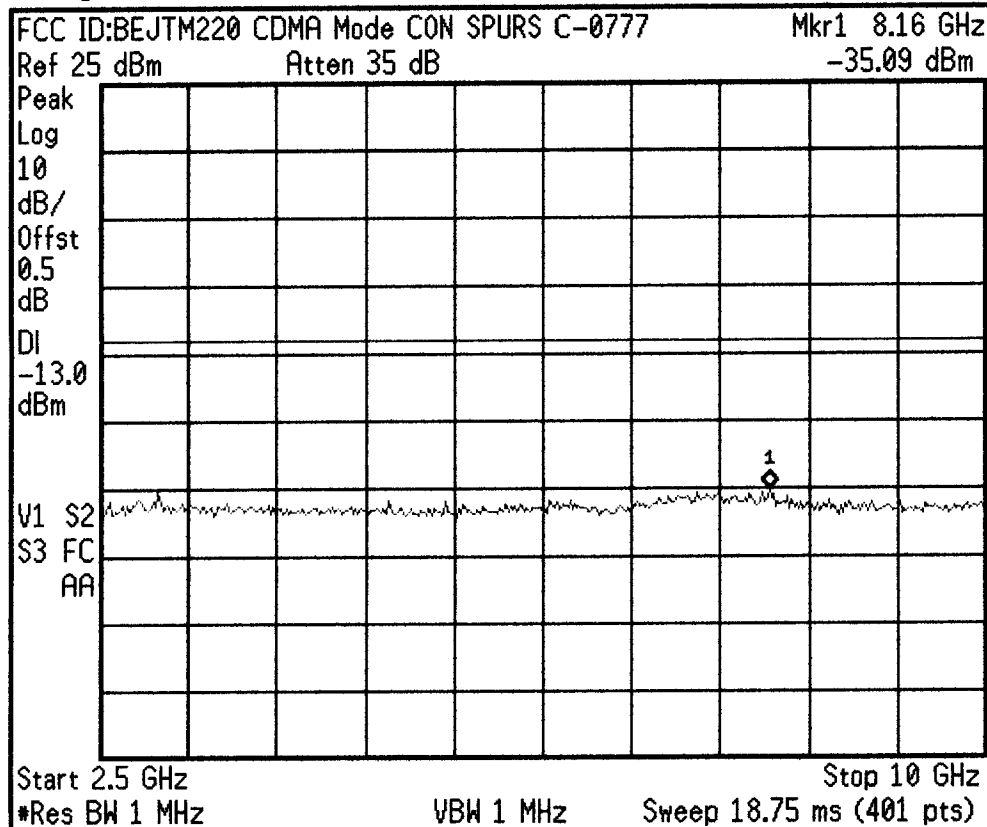
Signal Track
 On Off

※ Agilent 12:48:41 Jan 17, 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 12:50:13 Jan 17, 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 12:59:59 Jan 17, 2001

FCC ID:BEJTM220 CDMA PWR OUT C-0777

Ref 25 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

0.5

dB

PAvg

100

V1 S2

S3 FC

AA

Center 848.3 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 5 ms (401 pts)

Trace

Trace

1

2

3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2

* Agilent 13:14:20 Jan 17, 2001

FCC ID:BEJTM220 CDMA PWR OUT C-1013

Ref 25 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

0.5

dB

PAvg

100

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 12:39:14 Jan 18, 2001

FCC ID: BEJTM220 PCS Mode POWER OUT Ch.0600

Ref 23 dBm

Atten 35 dB

Samp

Log

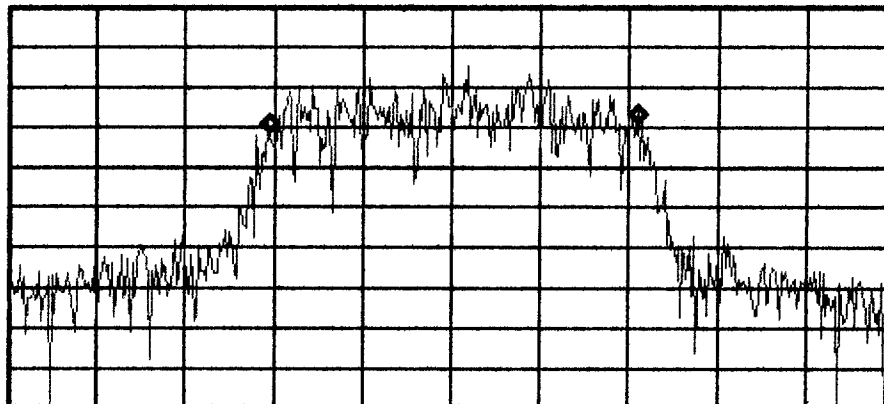
10

dB/

Offst

0.7

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 7.275 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

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM220

FM MODE

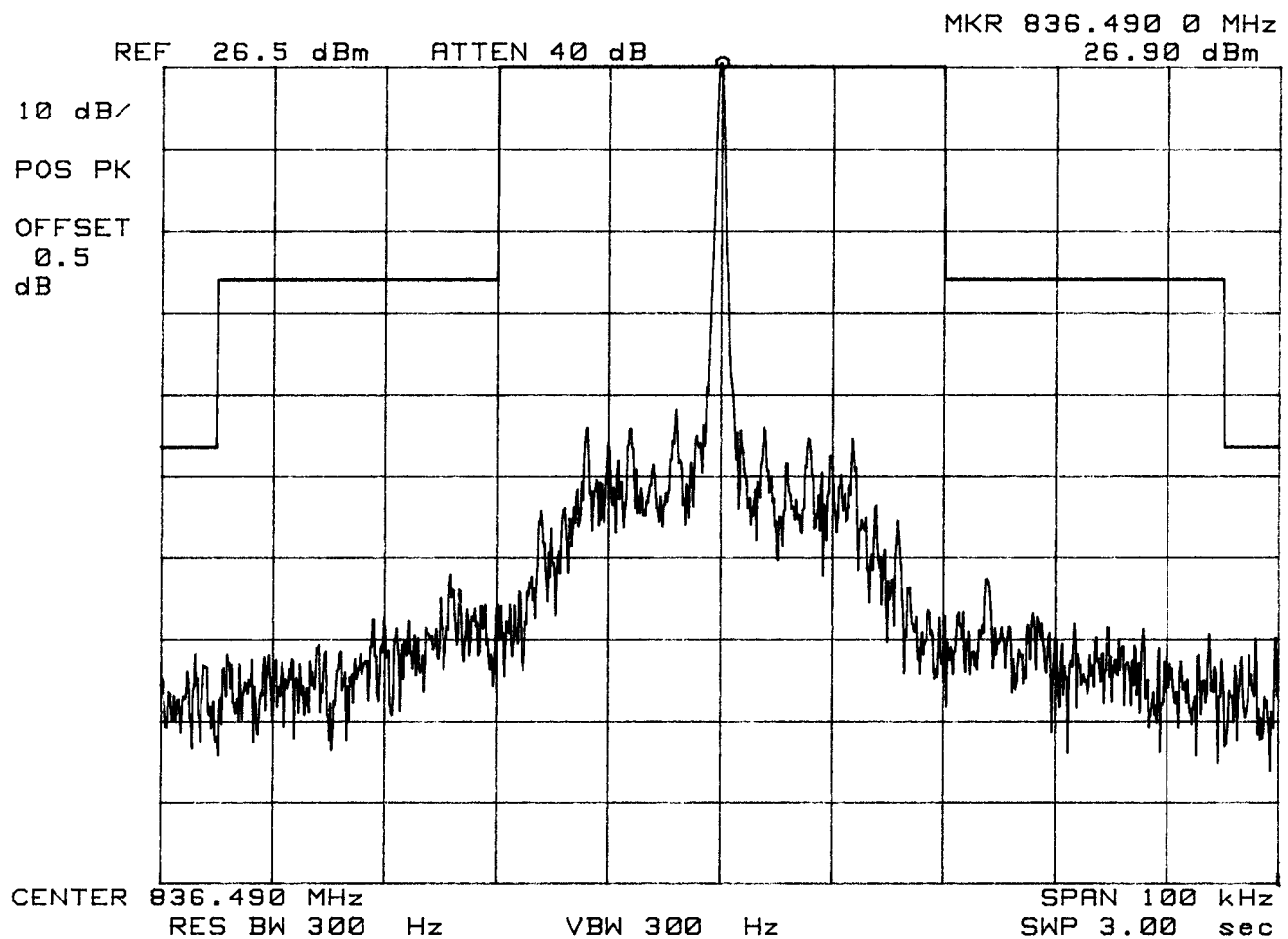
CHAN 383

LGE TRI-MODE

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM220

FM MODE

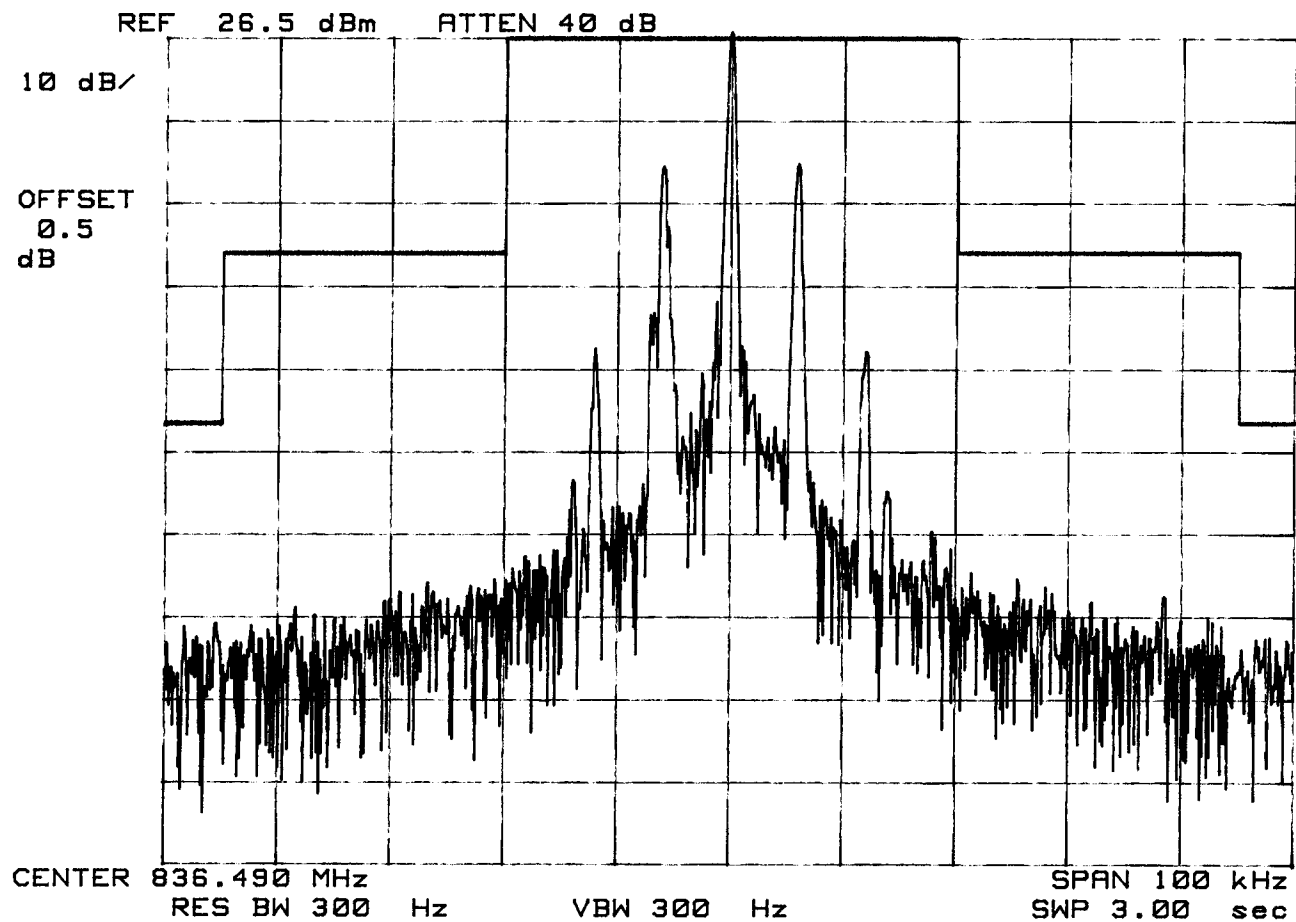
CHAN 383

LGE TRI-MODE

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM220

FM MODE

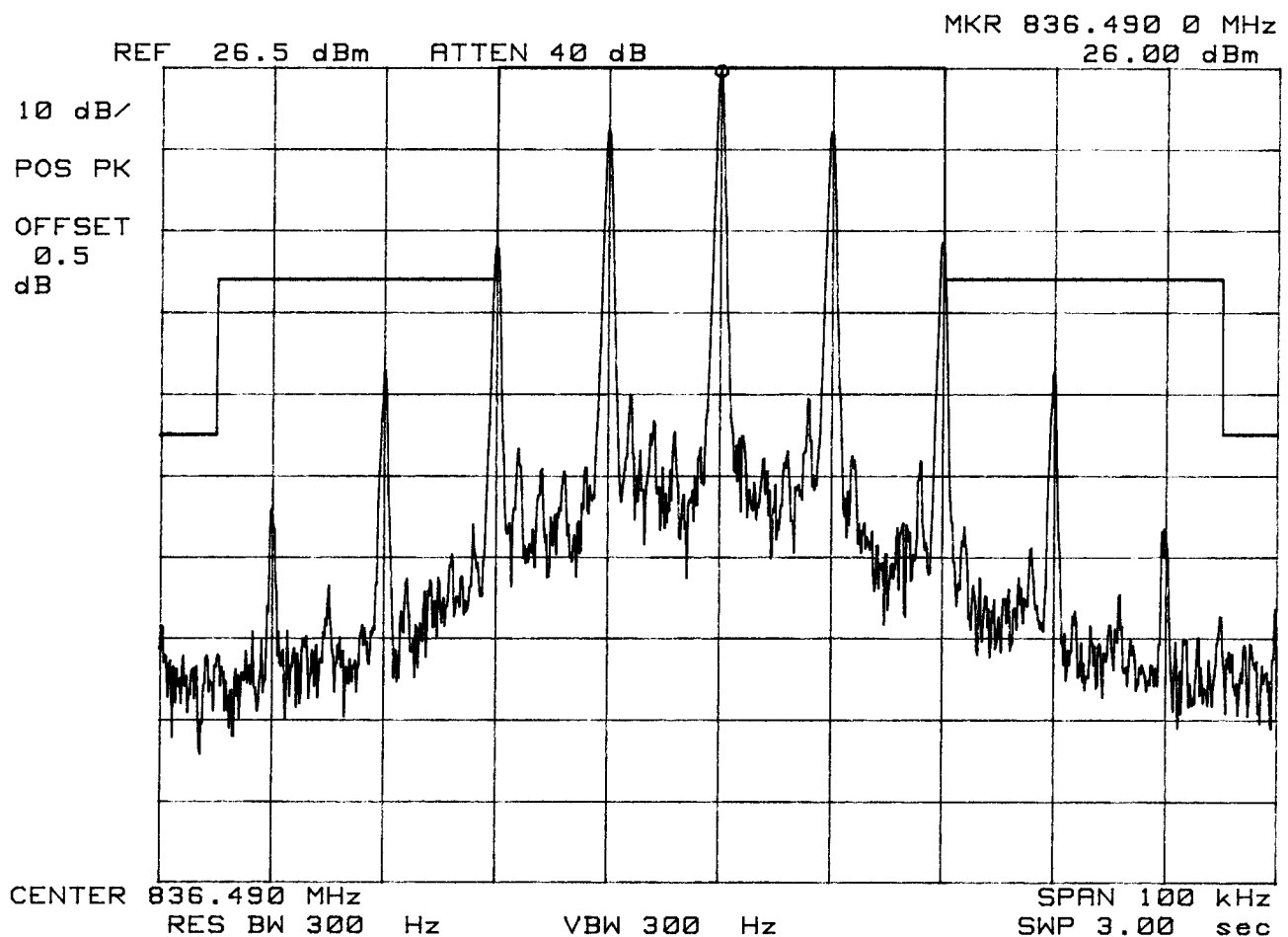
CHAN 383

LGE TRI-MODE

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM220

FM MODE

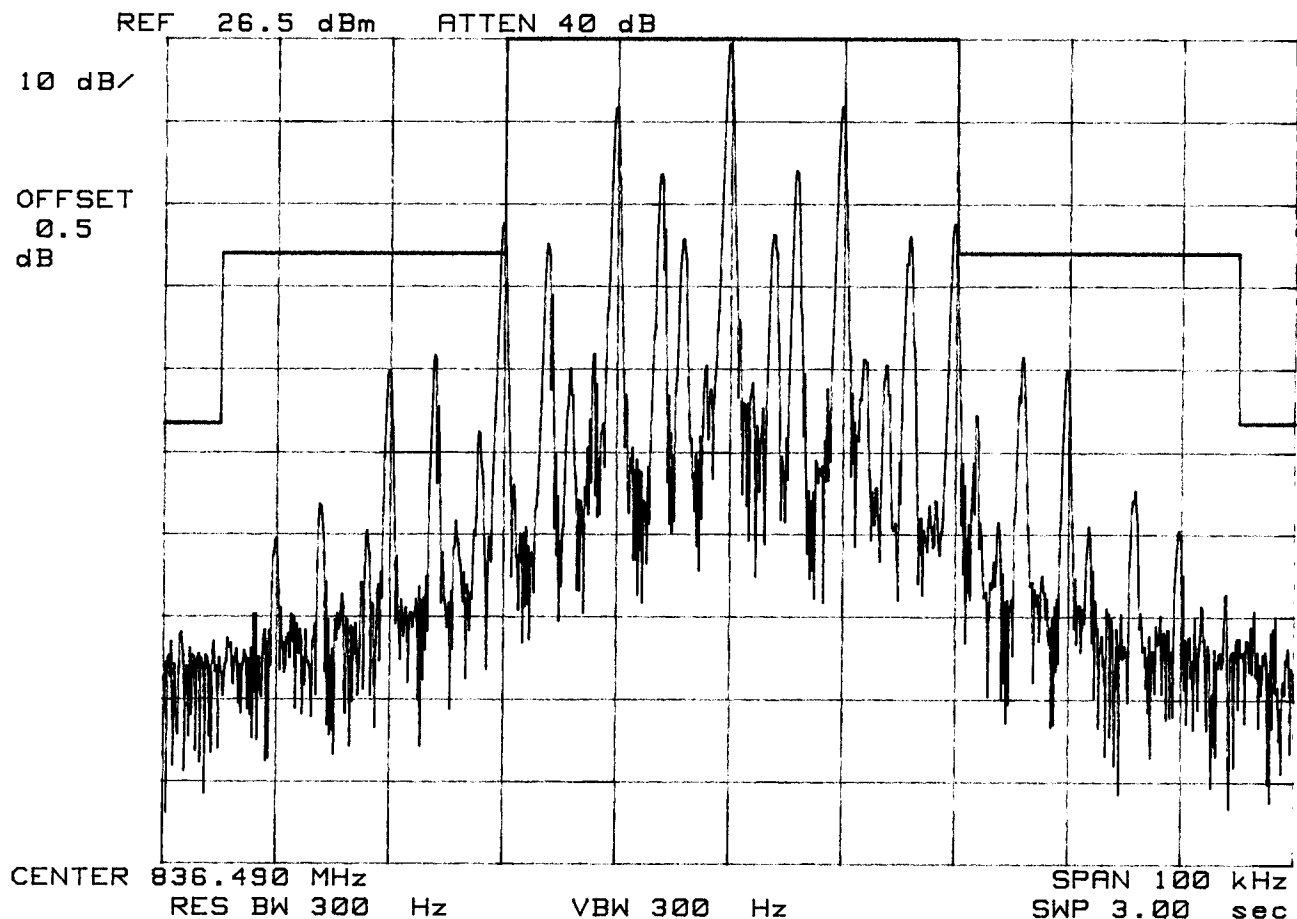
CHAN 383

LGE TRI-MODE

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM220

FM MODE

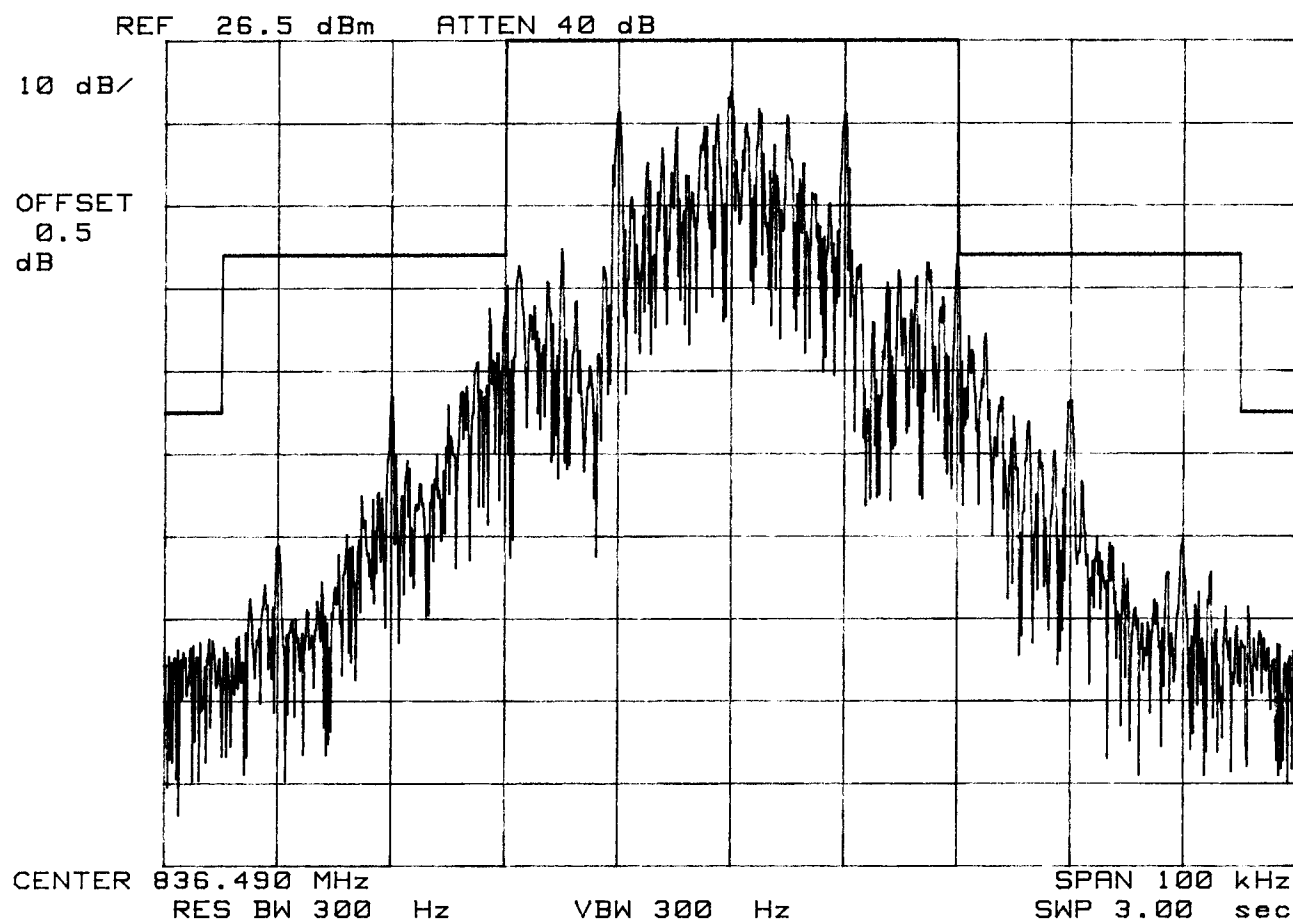
CHAN 383

LGE TRI-MODE

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJTM220

FM MODE

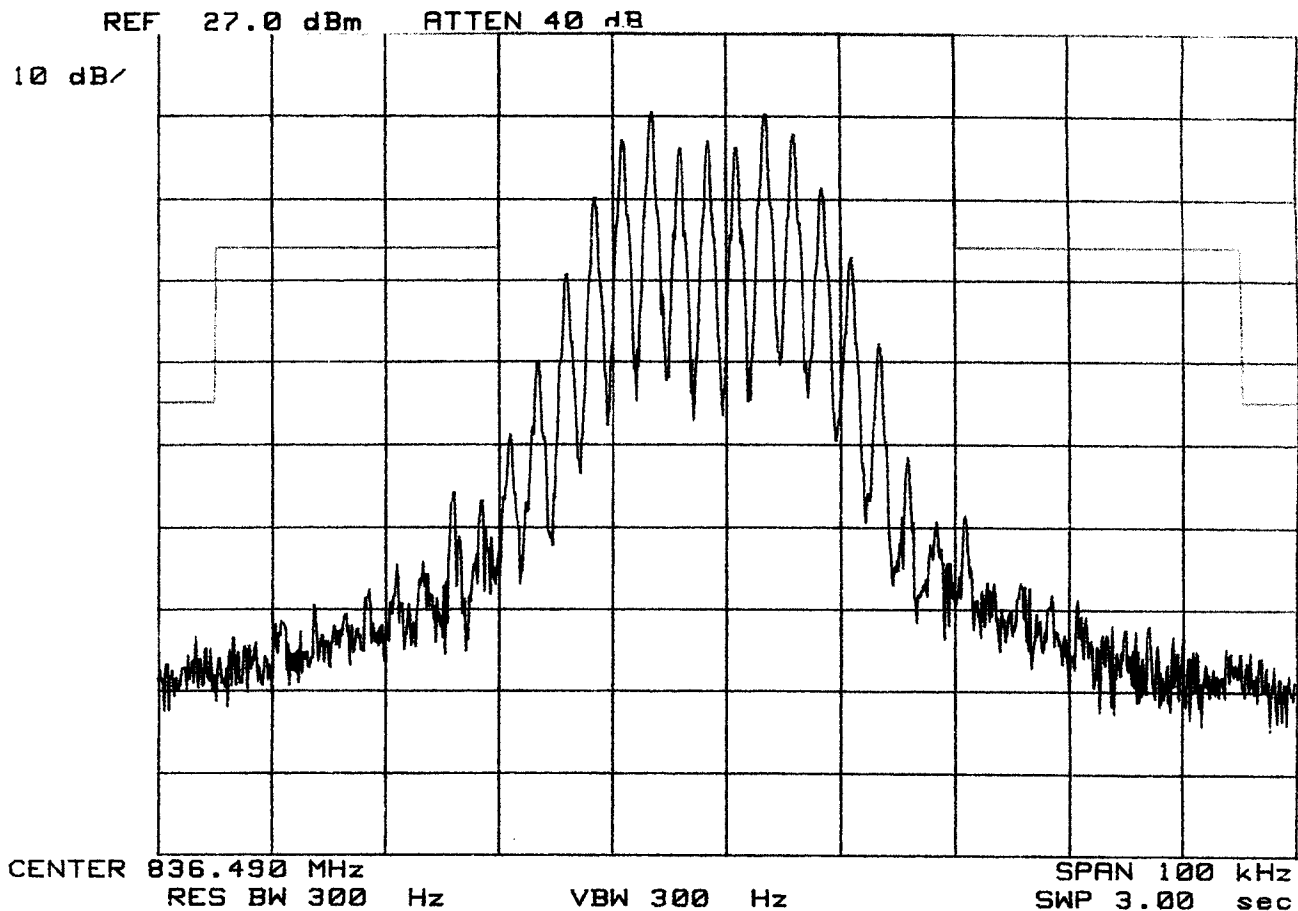
CHAN 383

LGE TRI-MODE

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Voice

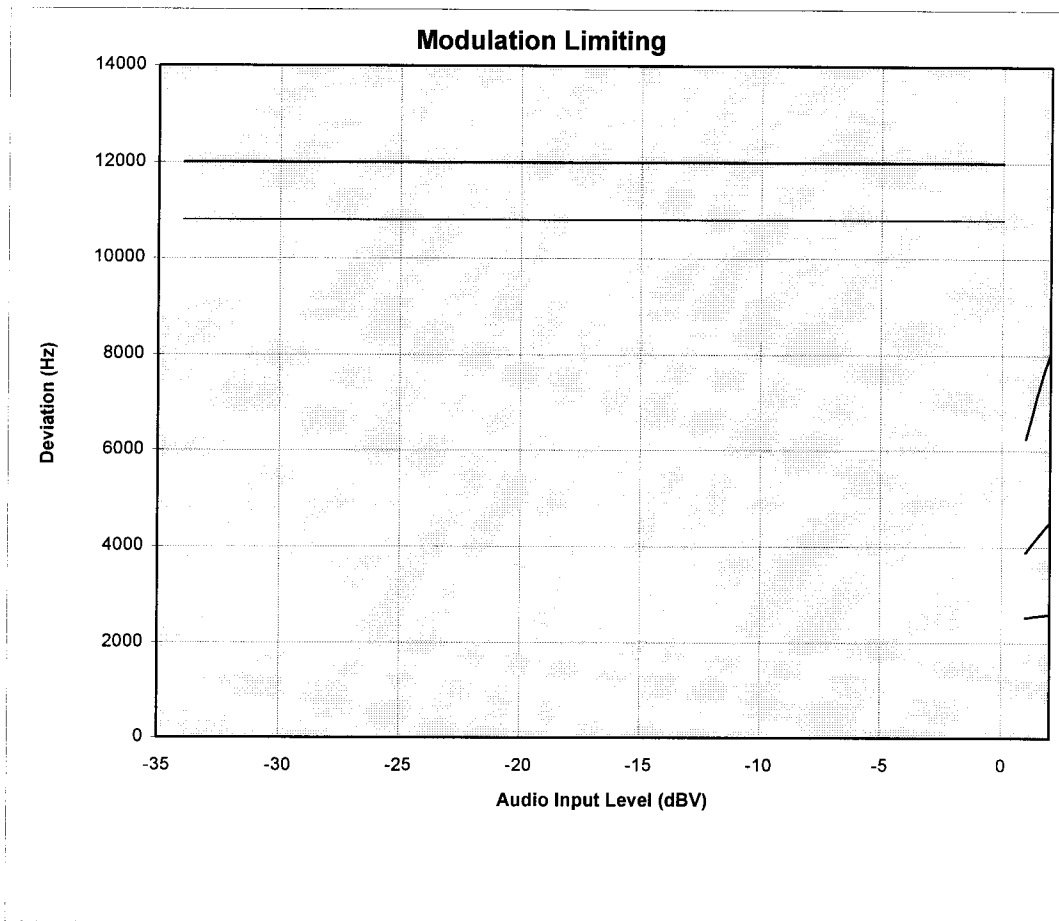


SUBJECT: Modulation Characteristics
FCC Part 22/24

Test Report No.: 22/24.210108012
Test Date: 01.08.2001

EUT: LGE Tri-Mode Dual-Band Analog/PCS Phone
Model: *LG-TM220*

REFERENCE: 1 kHz = 0 dB

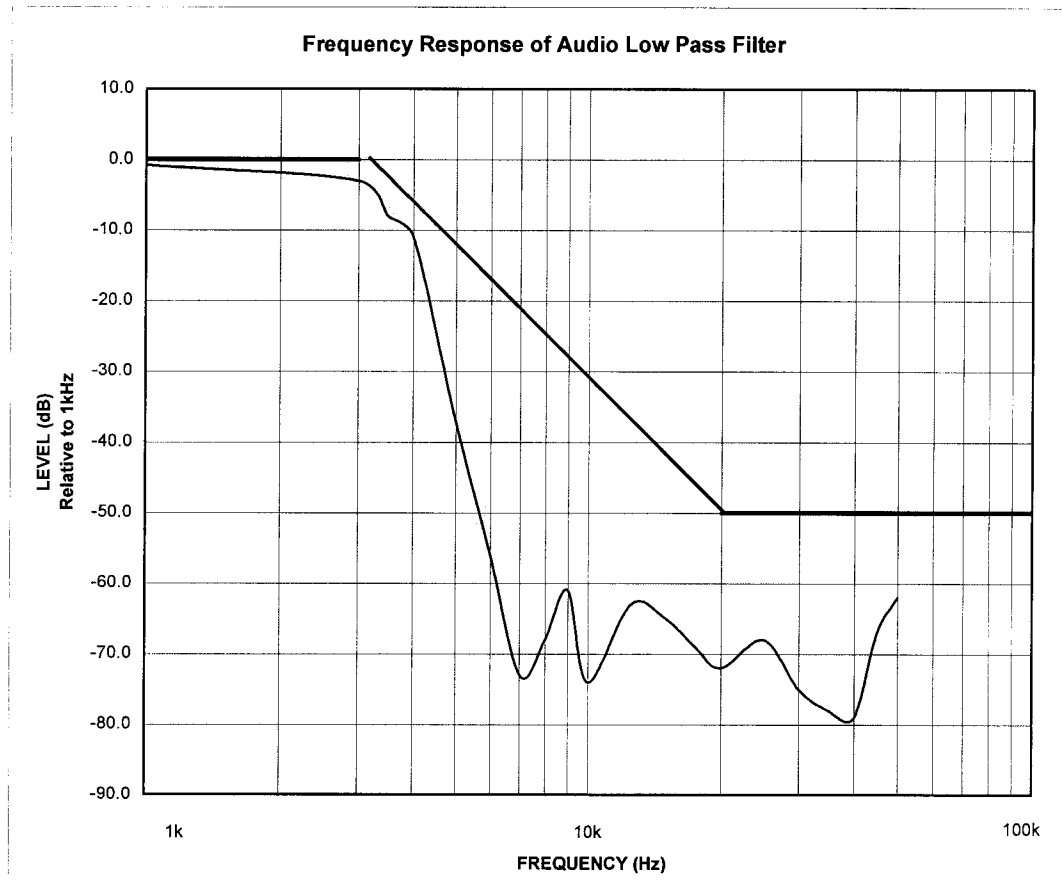


SUBJECT: Modulation Characteristics
FCC Part 22/24

Test Report No.: 22/24.210108012
Test Date: 01.08.2001

EUT: LGE Tri-Mode Dual-Band Analog/PCS Phone
Model: *LG-TM220*

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