

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

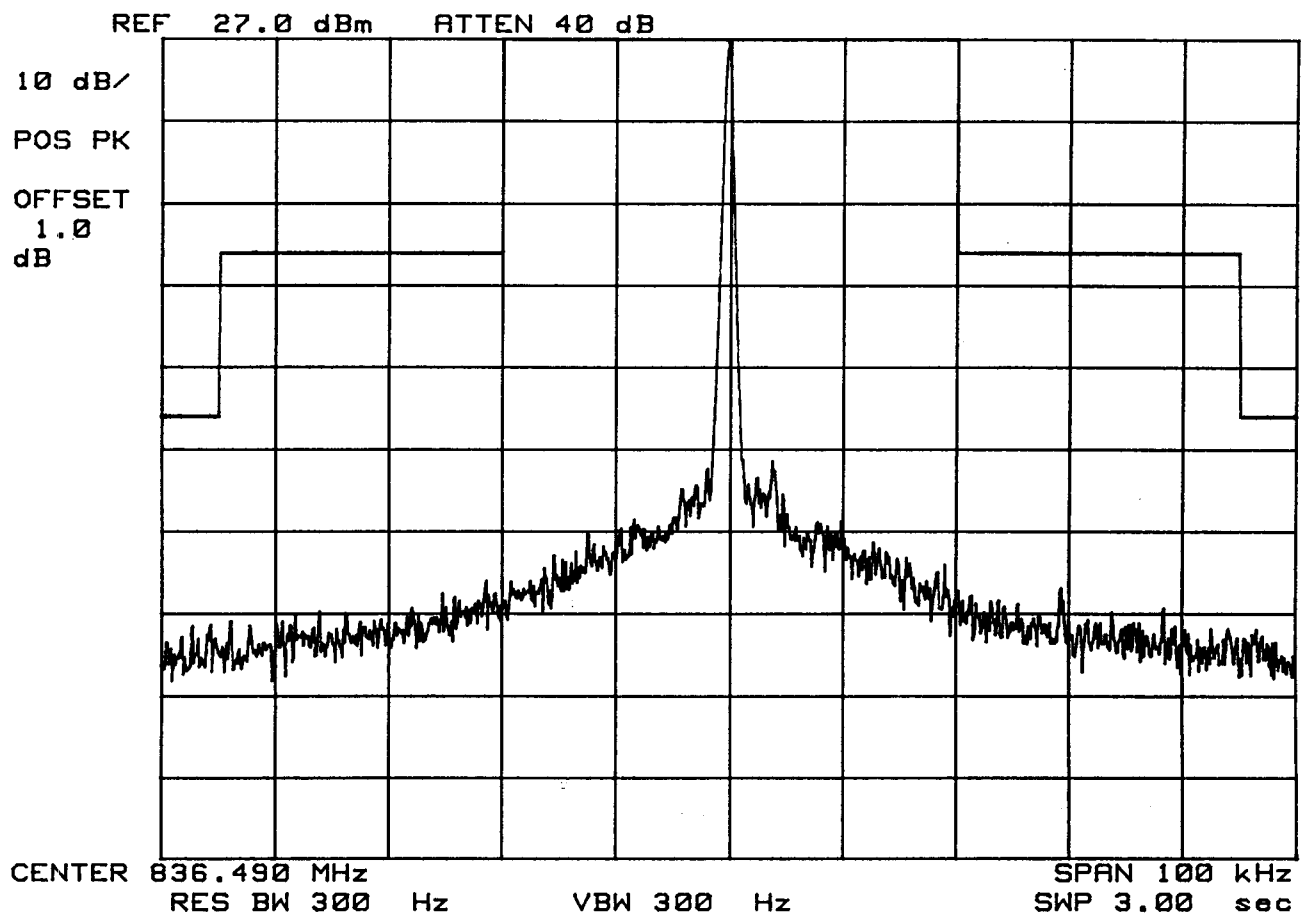
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Unmodulated Signal



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

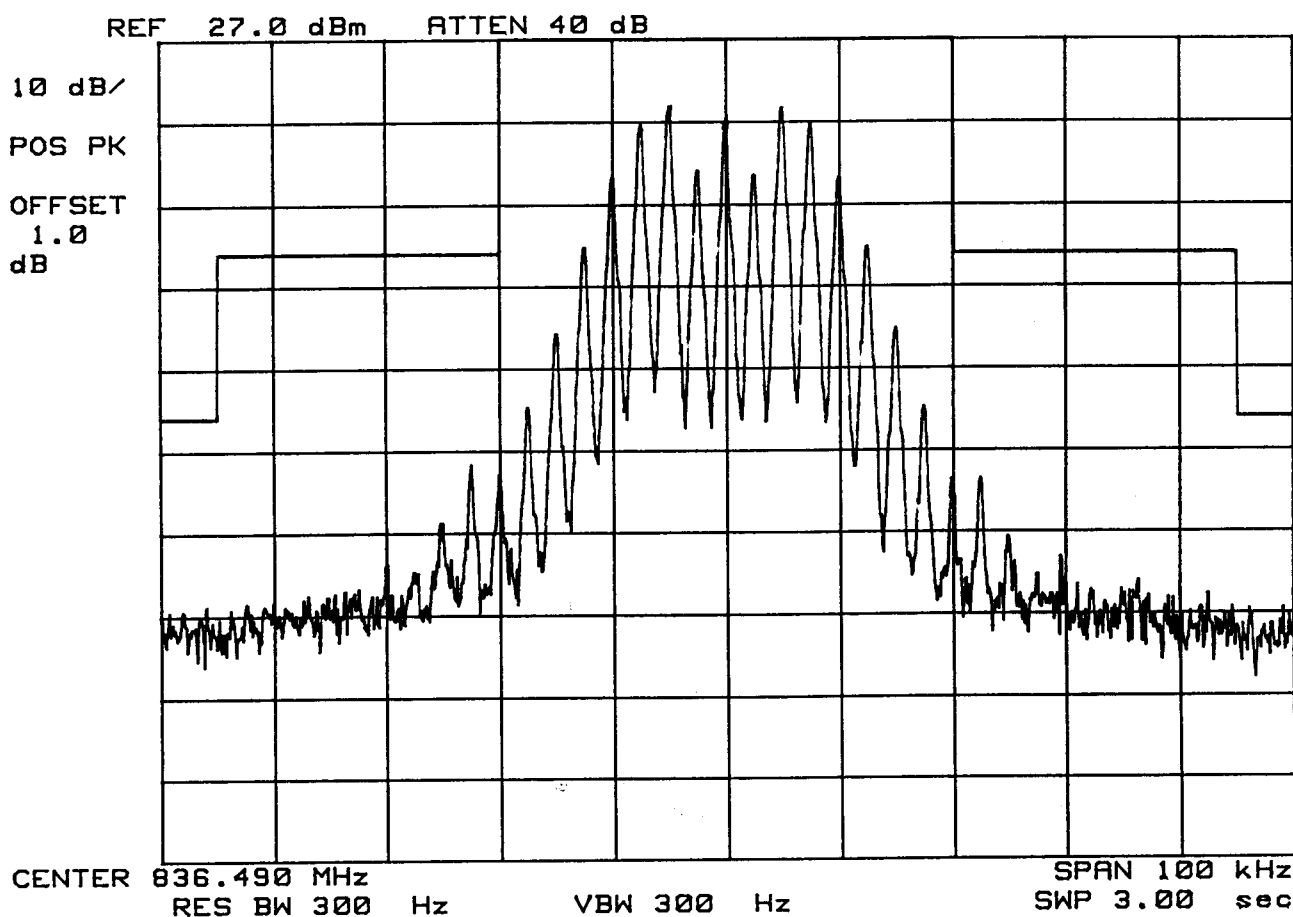
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

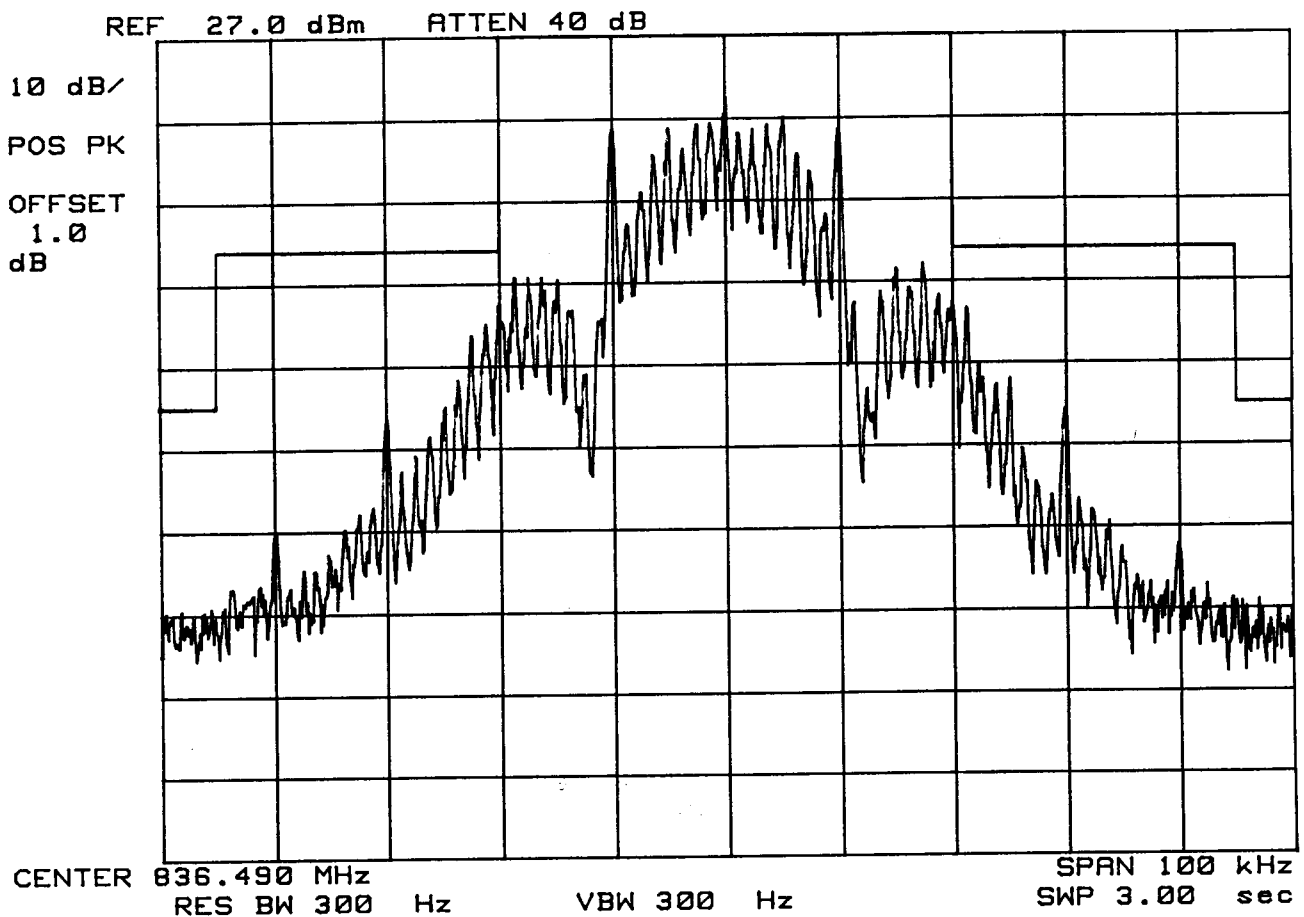
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Wide Band Data



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

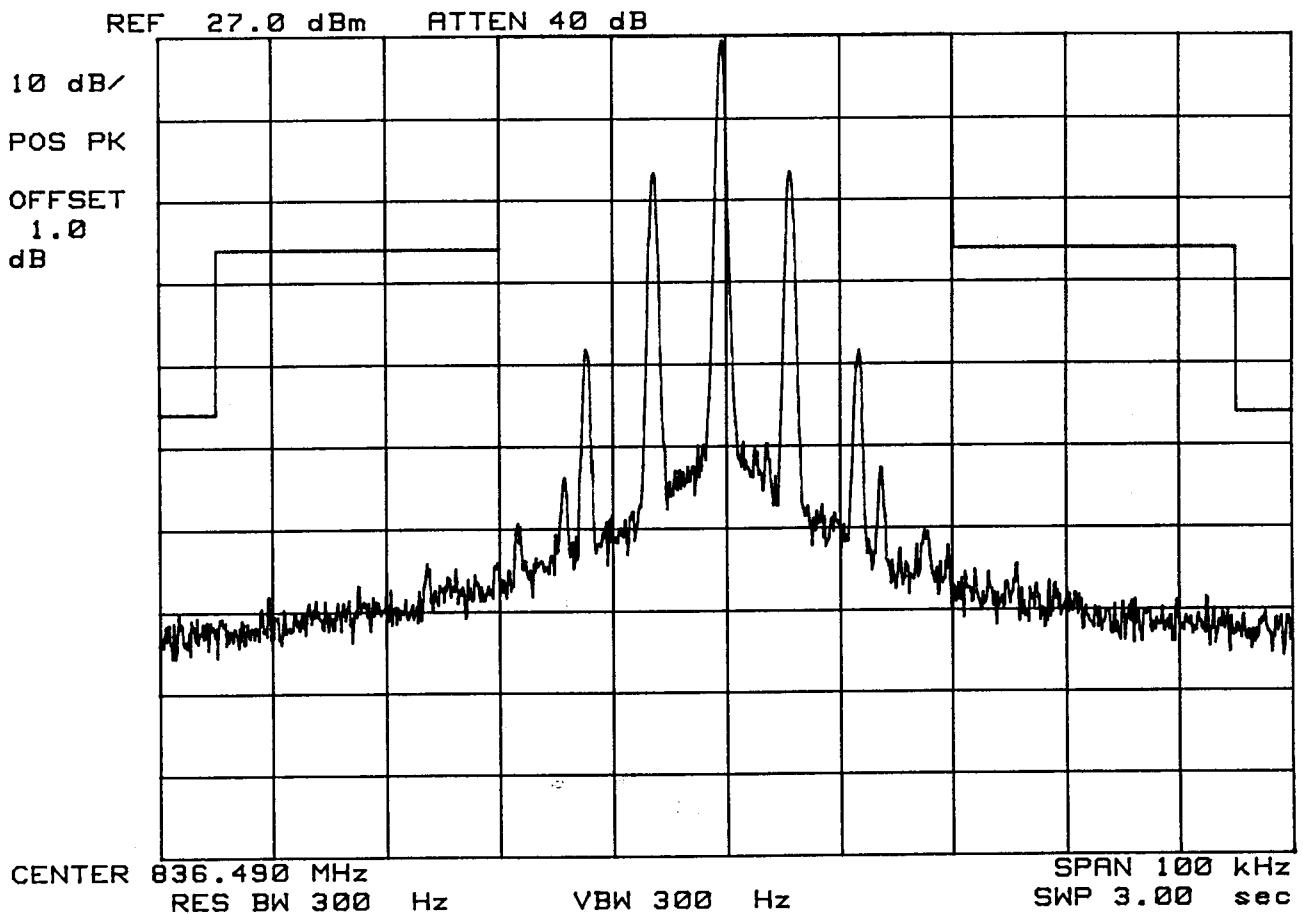
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

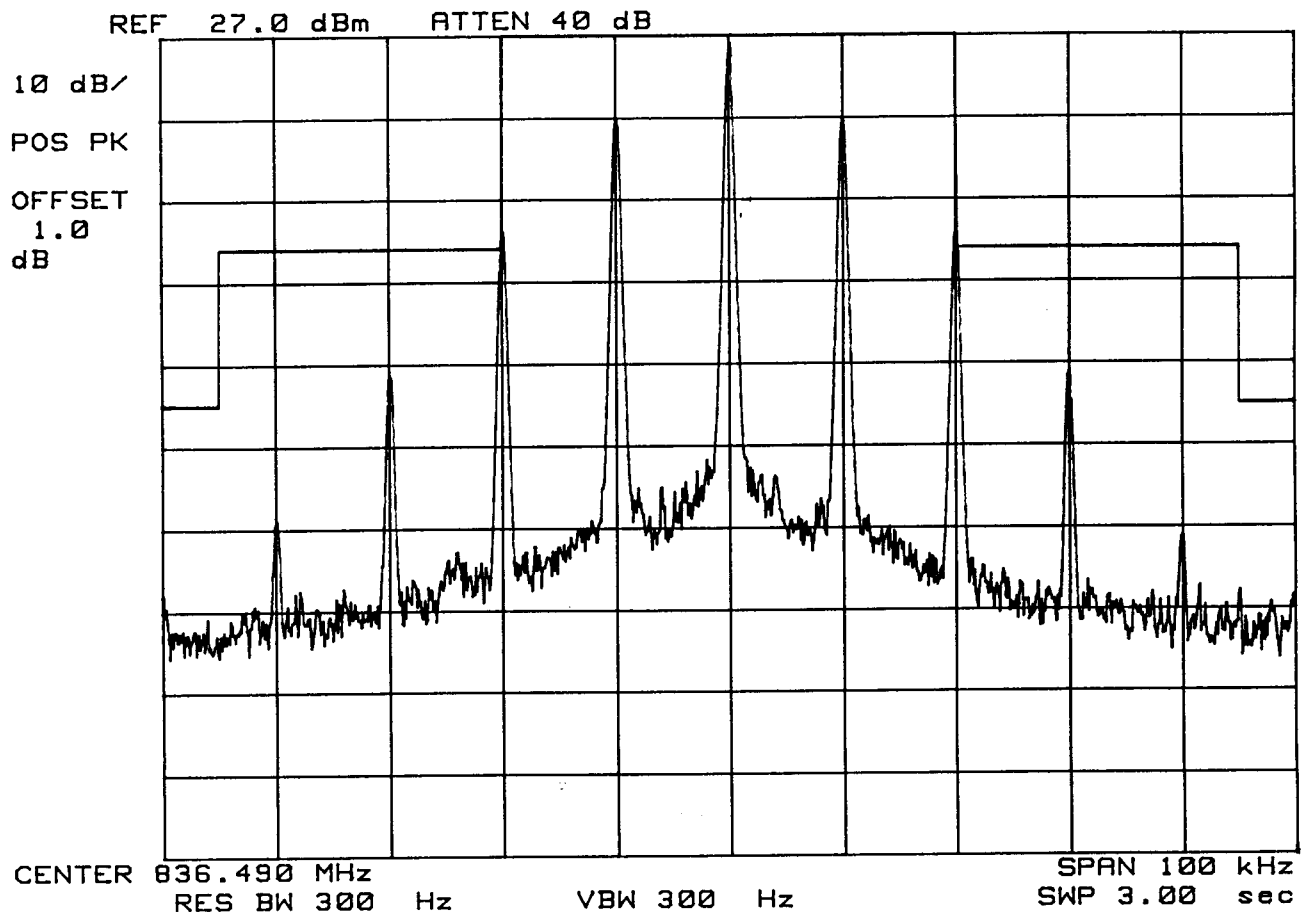
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

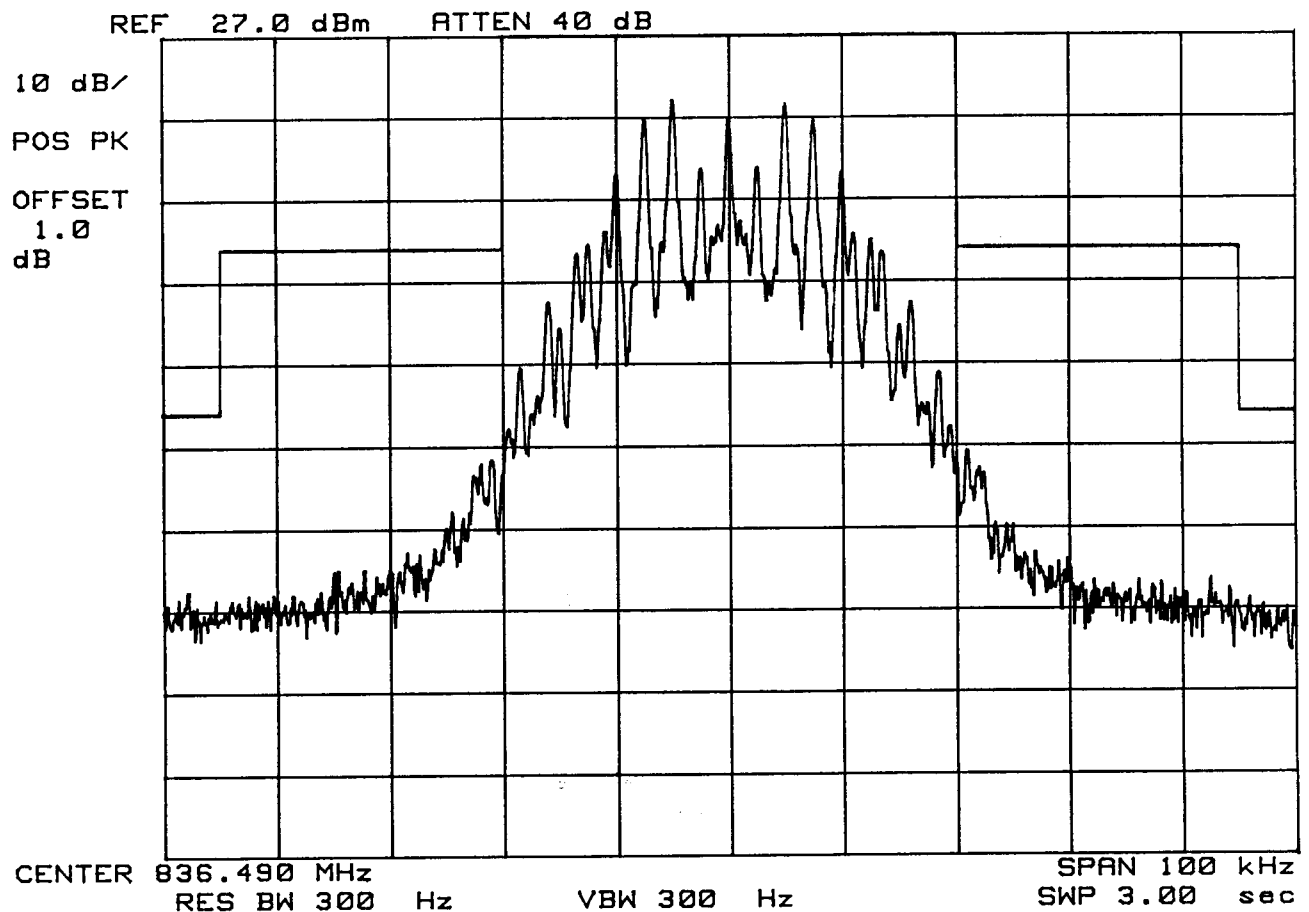
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE45202A

TOSHIBA

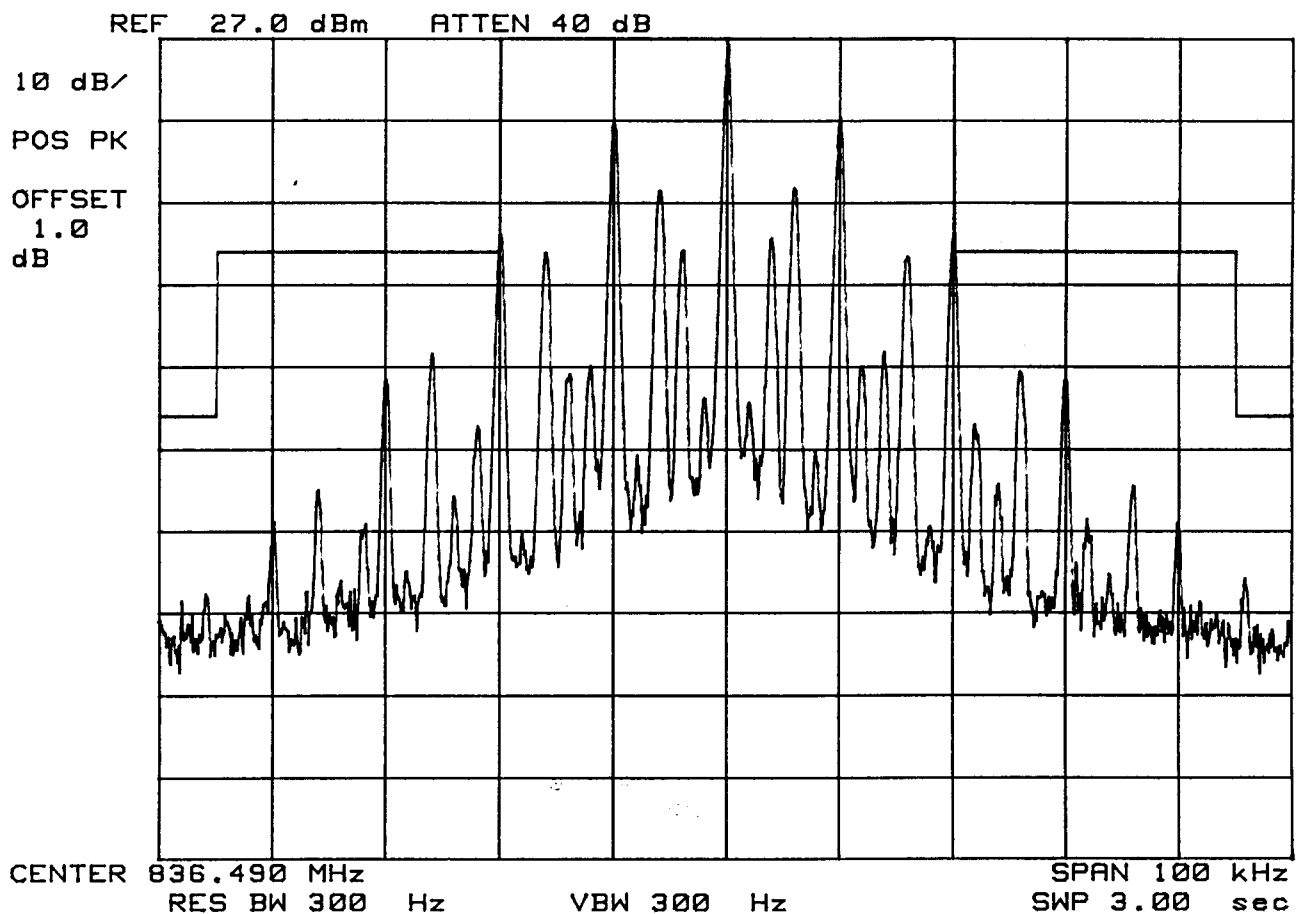
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + ST



~~/P~~ FCC ID: CJ6DCE45202A FM MODE

MKR 887.12 MHz

REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB

-96.36 dBm

PEAK

LOG

5

dB/

OFFST

6.0

dB

DL

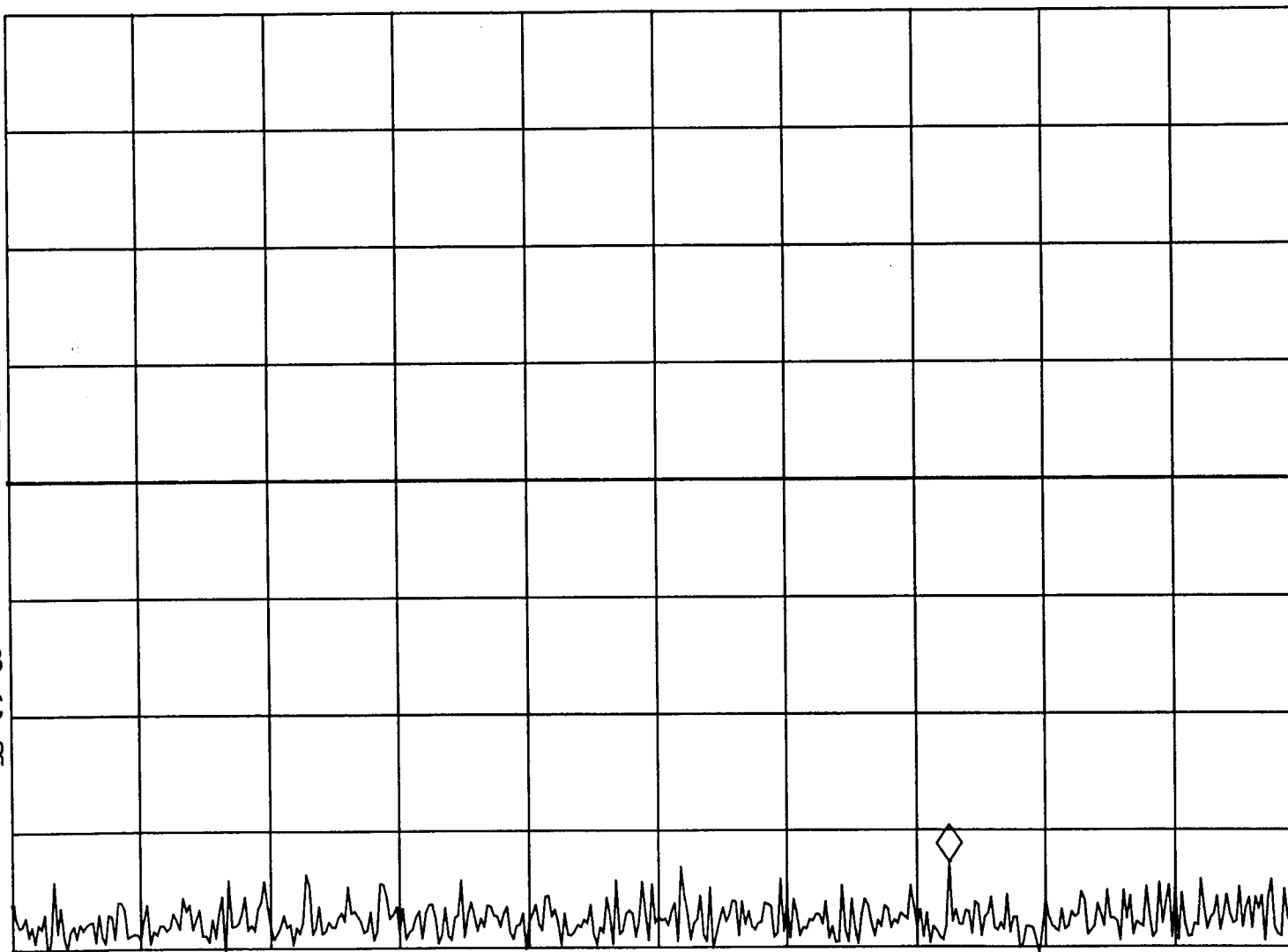
-80.0

dBm

VA SB

SC FC

CORR



START 869.00 MHz

STOP 894.00 MHz

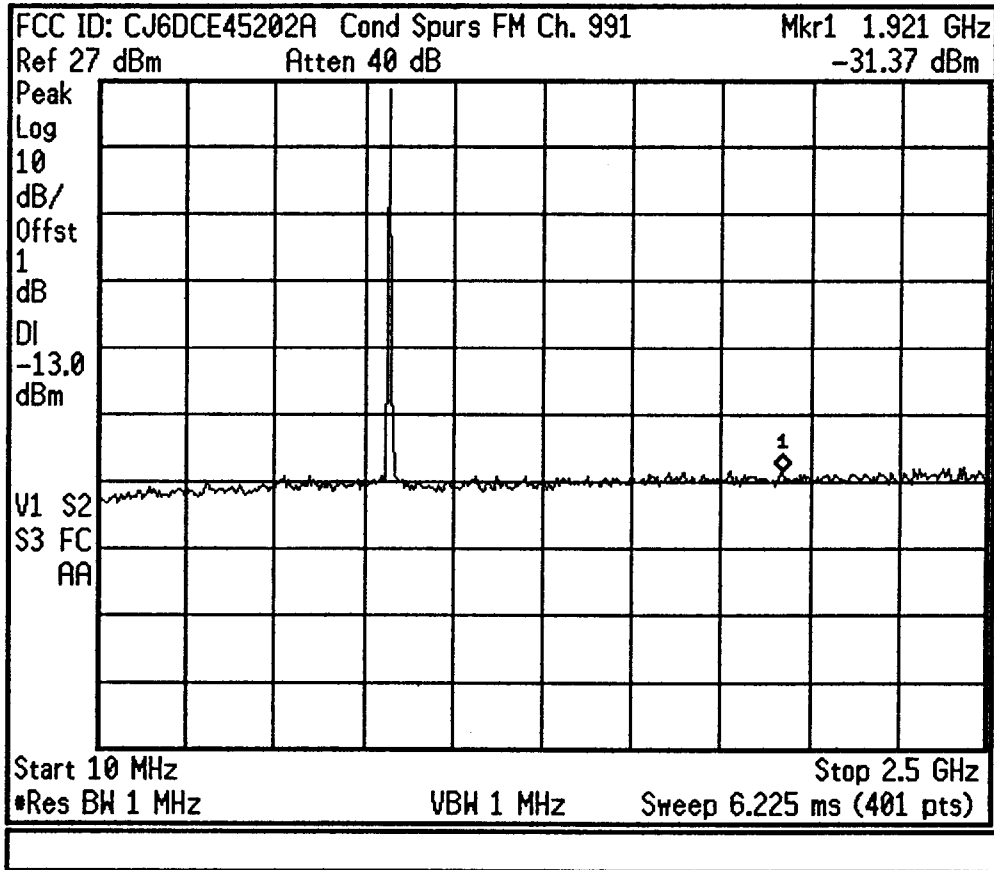
#RES BW 100 kHz

#VBW 300 kHz

SWP 20 msec

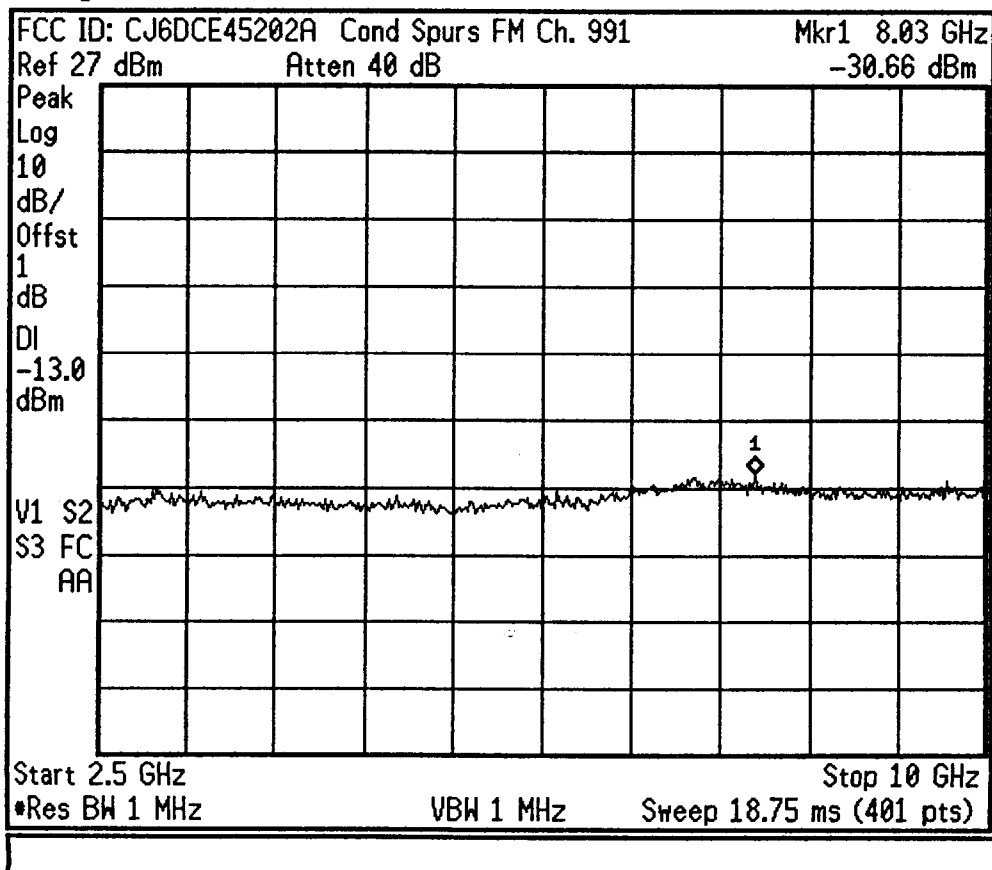


\* Agilent 13:08:48 Oct 31, 2001



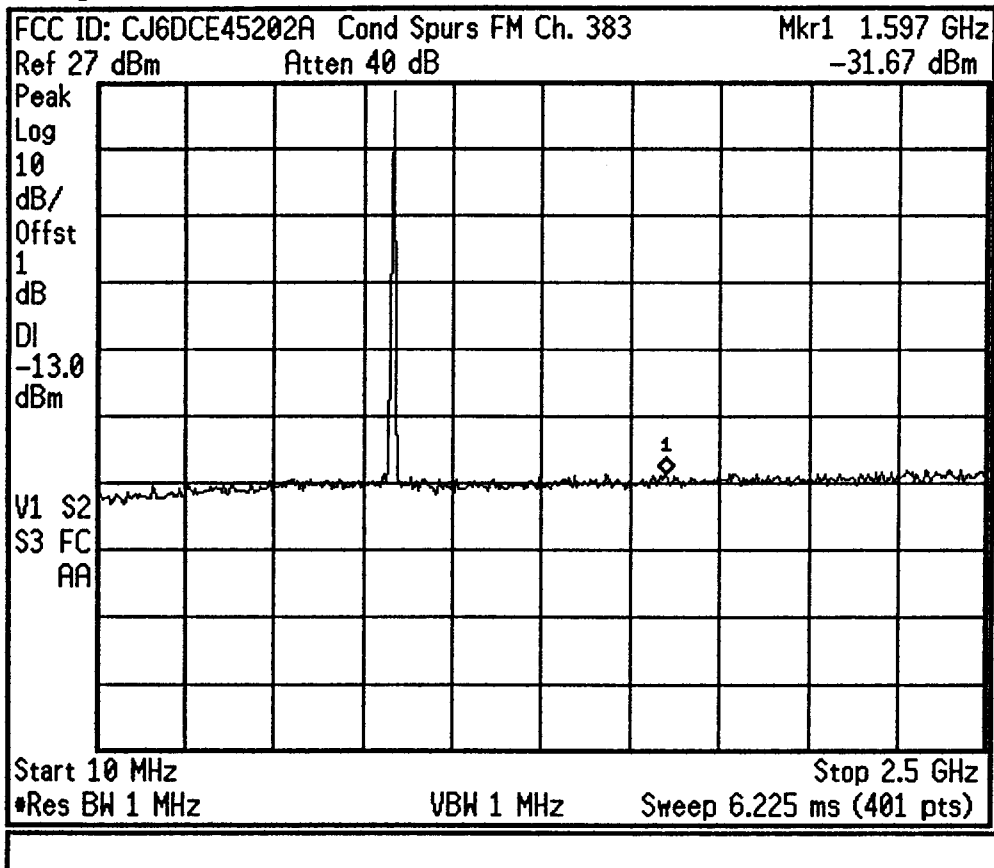
|                     |                            |
|---------------------|----------------------------|
| <b>Freq/Channel</b> |                            |
| <b>Center Freq</b>  | 1.25500000 GHz             |
| <b>Start Freq</b>   | 10.0000000 MHz             |
| <b>Stop Freq</b>    | 2.50000000 GHz             |
| <b>CF Step</b>      | 249.000000 MHz<br>Auto Man |
| <b>Freq Offset</b>  | 0.00000000 Hz              |
| <b>Signal Track</b> | On Off                     |

\* Agilent 13:09:47 Oct 31, 2001



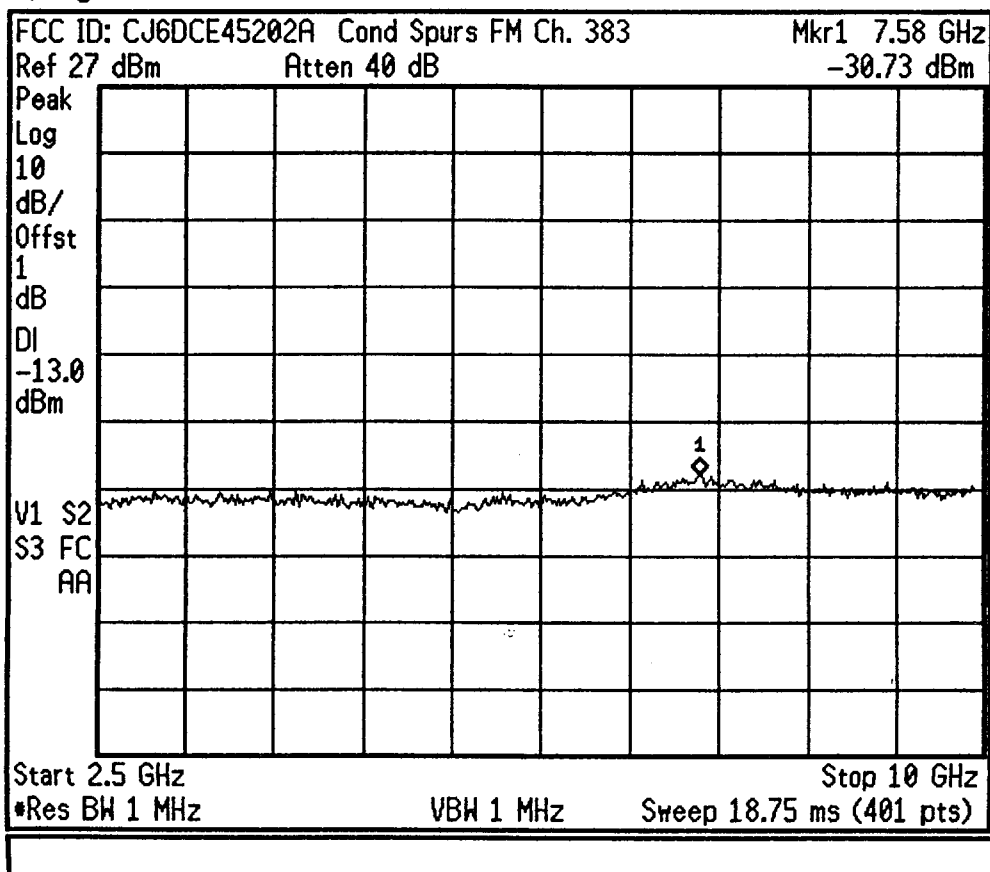
|                     |                            |
|---------------------|----------------------------|
| <b>Freq/Channel</b> |                            |
| <b>Center Freq</b>  | 6.25000000 GHz             |
| <b>Start Freq</b>   | 2.50000000 GHz             |
| <b>Stop Freq</b>    | 10.0000000 GHz             |
| <b>CF Step</b>      | 750.000000 MHz<br>Auto Man |
| <b>Freq Offset</b>  | 0.00000000 Hz              |
| <b>Signal Track</b> | On Off                     |

\* Agilent 13:11:17 Oct 31, 2001



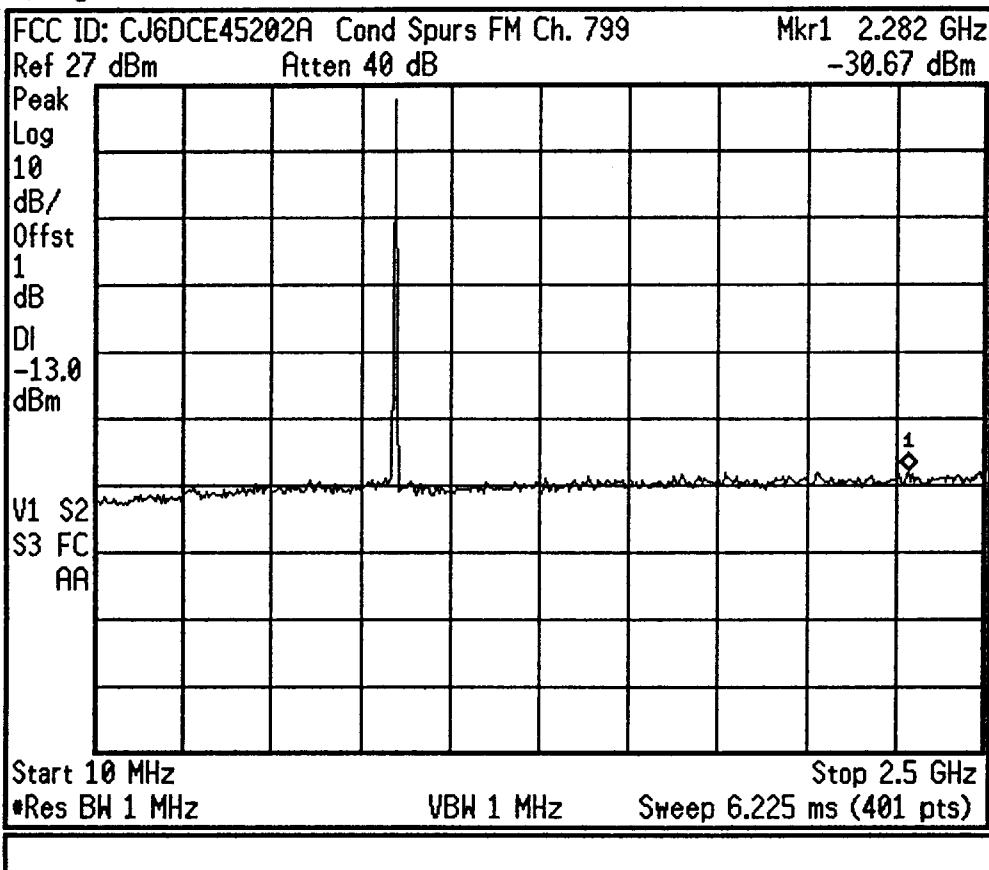
| Freq/Channel                          |
|---------------------------------------|
| Center Freq<br>1.25500000 GHz         |
| Start Freq<br>10.0000000 MHz          |
| Stop Freq<br>2.50000000 GHz           |
| CF Step<br>249.000000 MHz<br>Auto Man |
| Freq Offset<br>0.00000000 Hz          |
| Signal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

\* Agilent 13:12:29 Oct 31, 2001



| Freq/Channel                          |
|---------------------------------------|
| Center Freq<br>6.25000005 GHz         |
| Start Freq<br>2.50000000 GHz          |
| Stop Freq<br>10.0000001 GHz           |
| CF Step<br>750.000010 MHz<br>Auto Man |
| Freq Offset<br>0.00000000 Hz          |
| Signal Track<br>On Off                |

※ Agilent 13:14:19 Oct 31, 2001



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

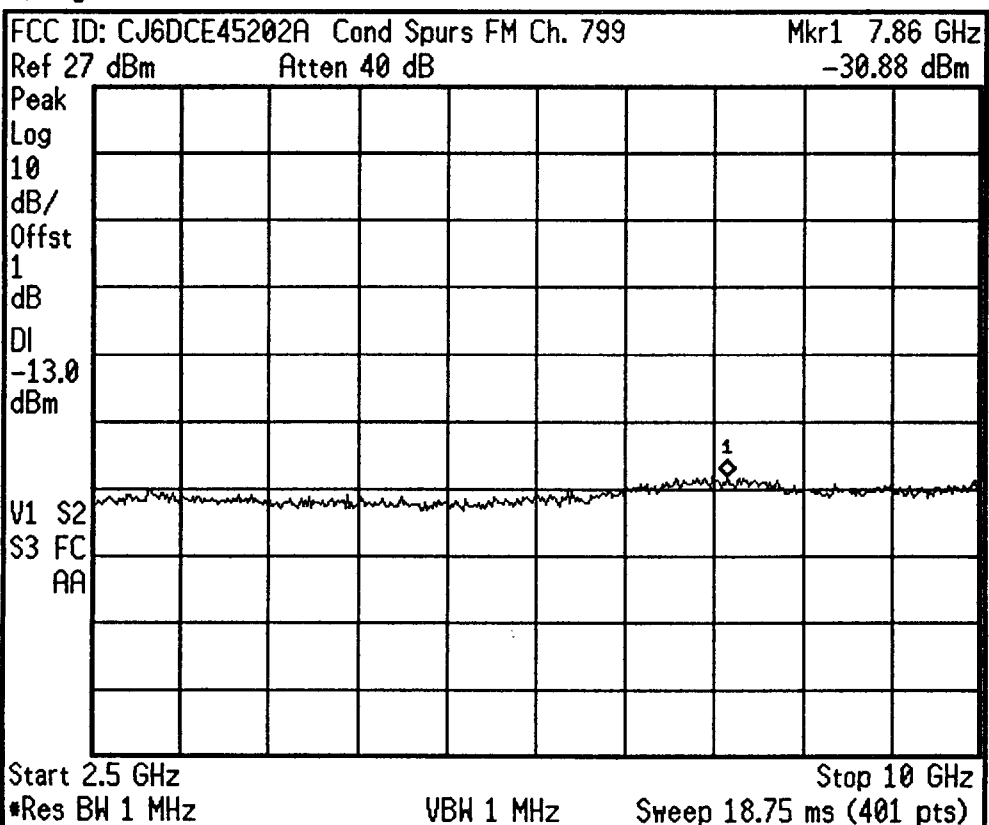
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

※ Agilent 13:16:03 Oct 31, 2001



Freq/Channel

Center Freq  
 6.25000000 GHz

Start Freq  
 2.50000000 GHz

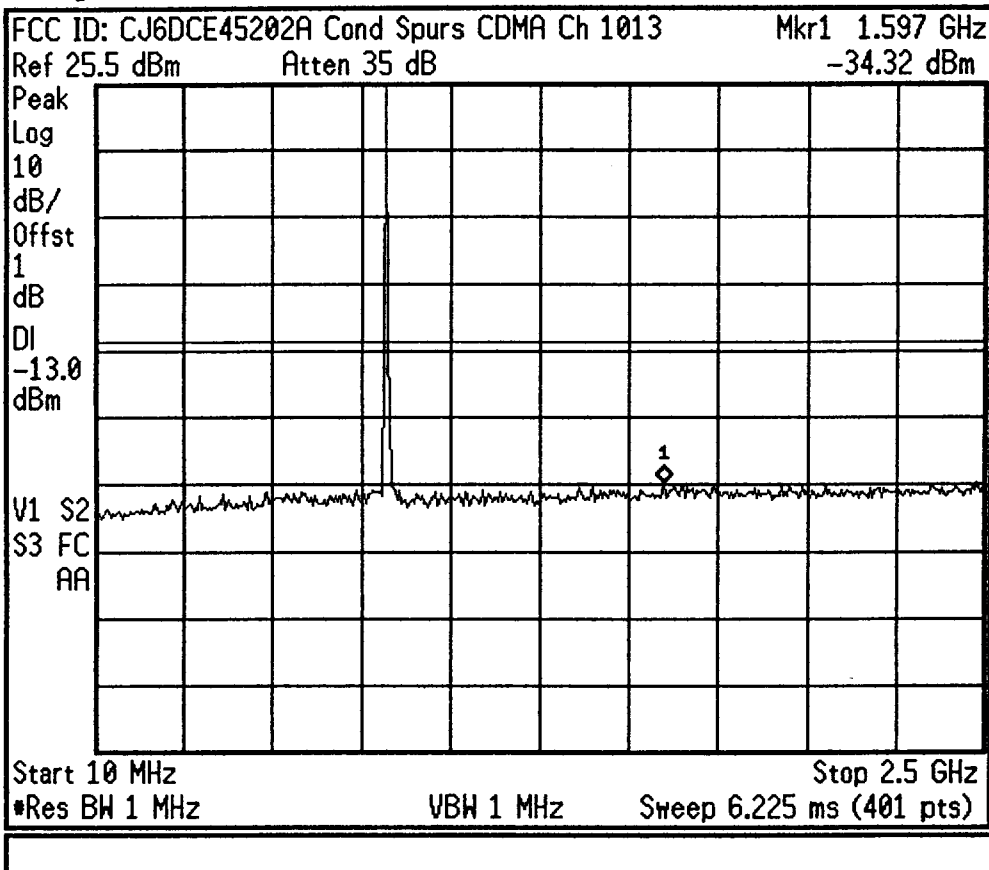
Stop Freq  
 10.0000000 GHz

CF Step  
 750.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:27:06 Oct 31, 2001



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

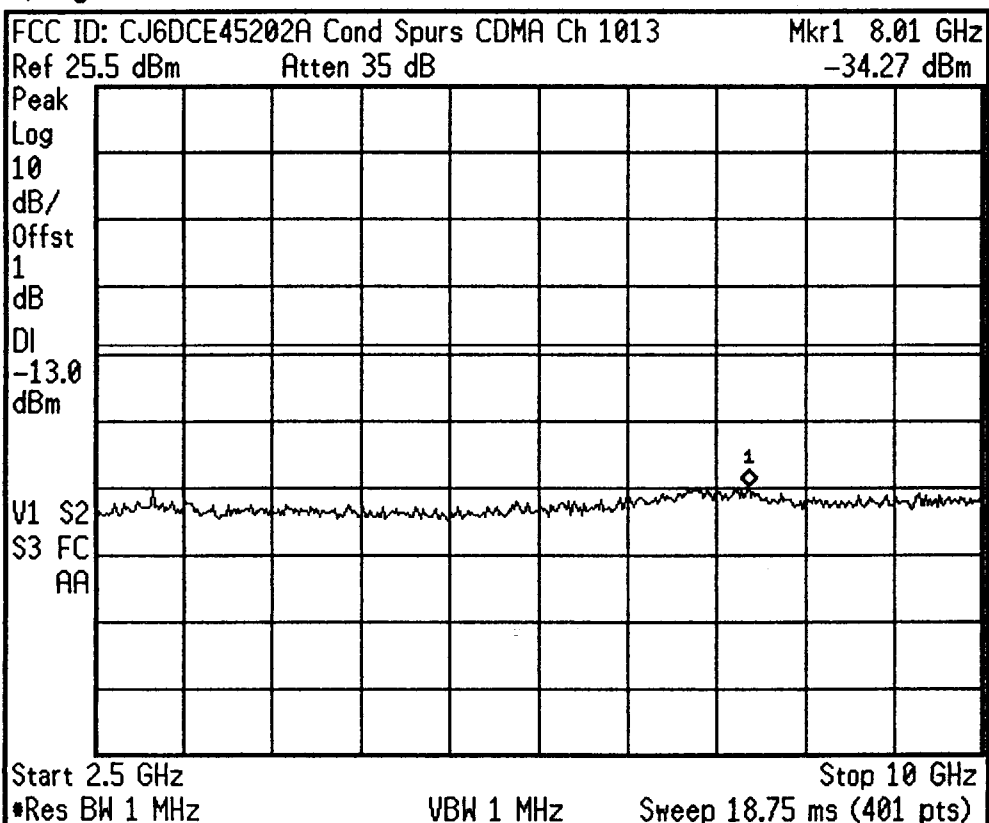
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:27:55 Oct 31, 2001



Freq/Channel

Center Freq  
 6.25000000 GHz

Start Freq  
 2.50000000 GHz

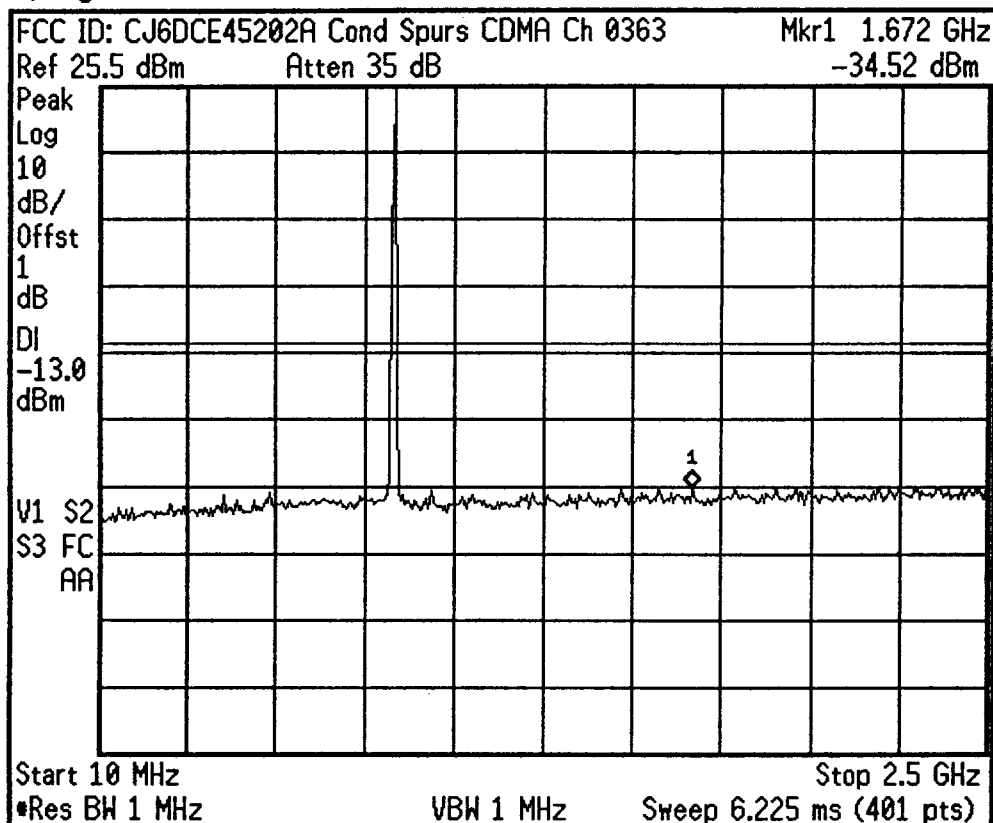
Stop Freq  
 10.0000000 GHz

CF Step  
 750.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:34:57 Oct 31, 2001



Freq/Channel

Center Freq  
1.25500000 GHz

Start Freq  
10.0000000 MHz

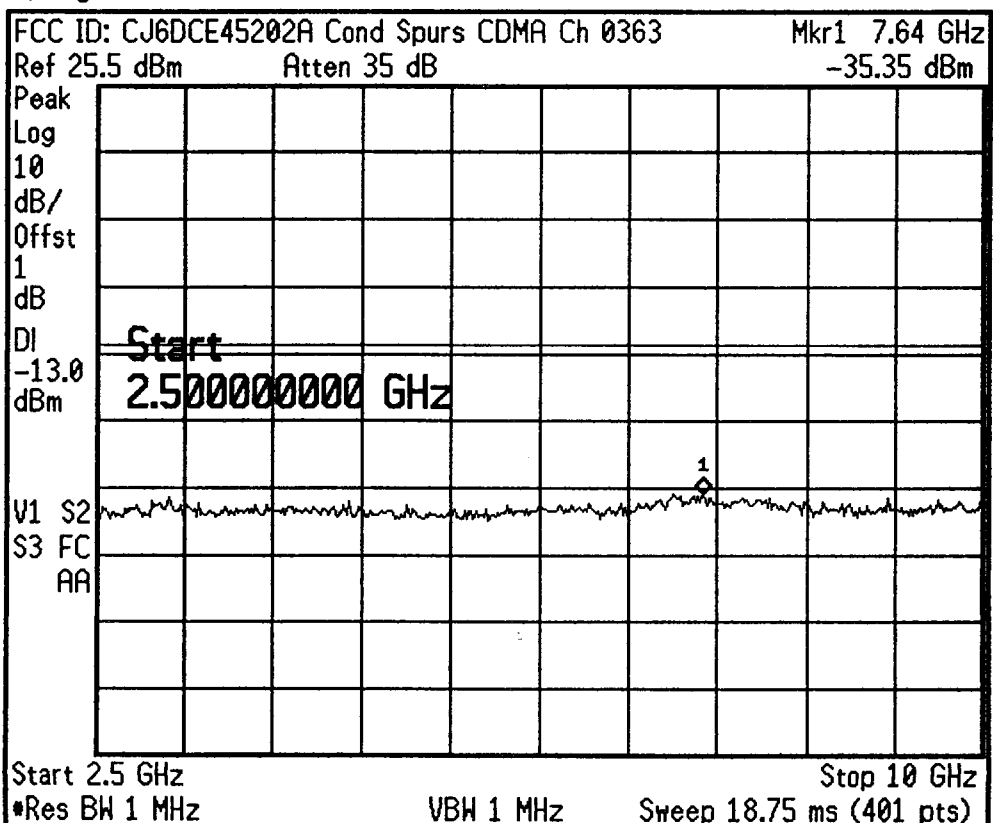
Stop Freq  
2.50000000 GHz

CF Step  
249.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

\* Agilent 13:35:42 Oct 31, 2001



Freq/Channel

Center Freq  
6.25000000 GHz

Start Freq  
2.50000000 GHz

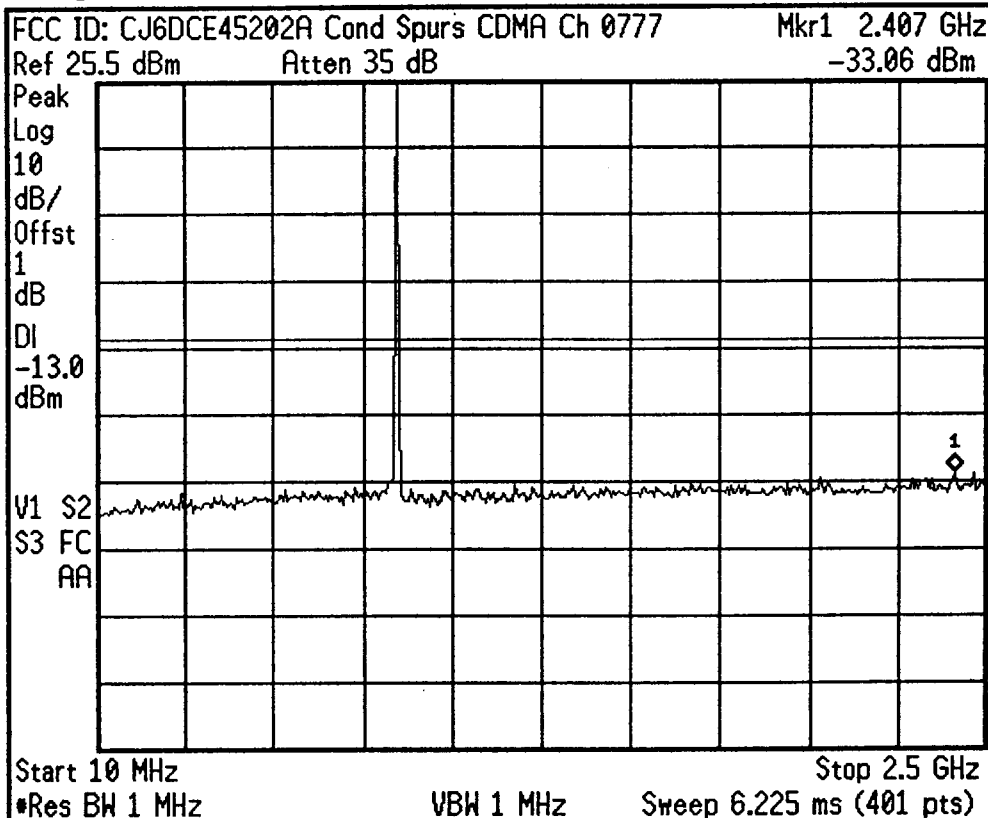
Stop Freq  
10.0000000 GHz

CF Step  
750.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

\* Agilent 13:36:41 Oct 31, 2001



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

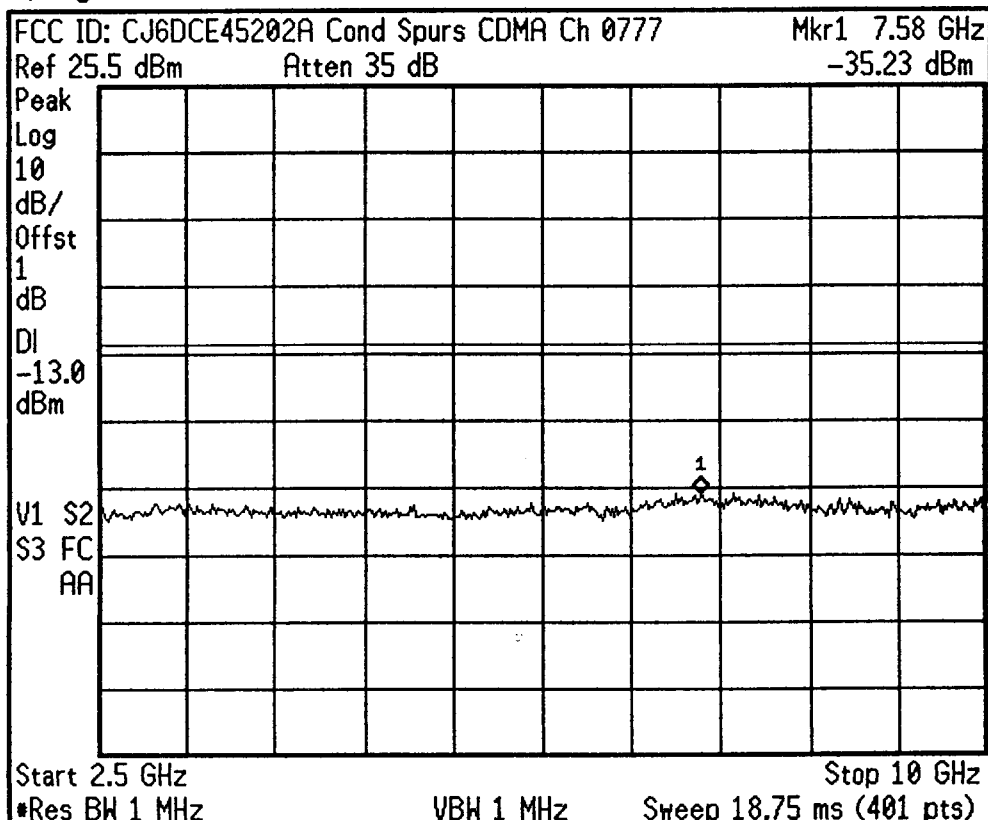
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:37:15 Oct 31, 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 14:35:14 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT CDMA Ch 1013

Ref 25.5 dBm

Atten 35 dB

Peak

Log

10

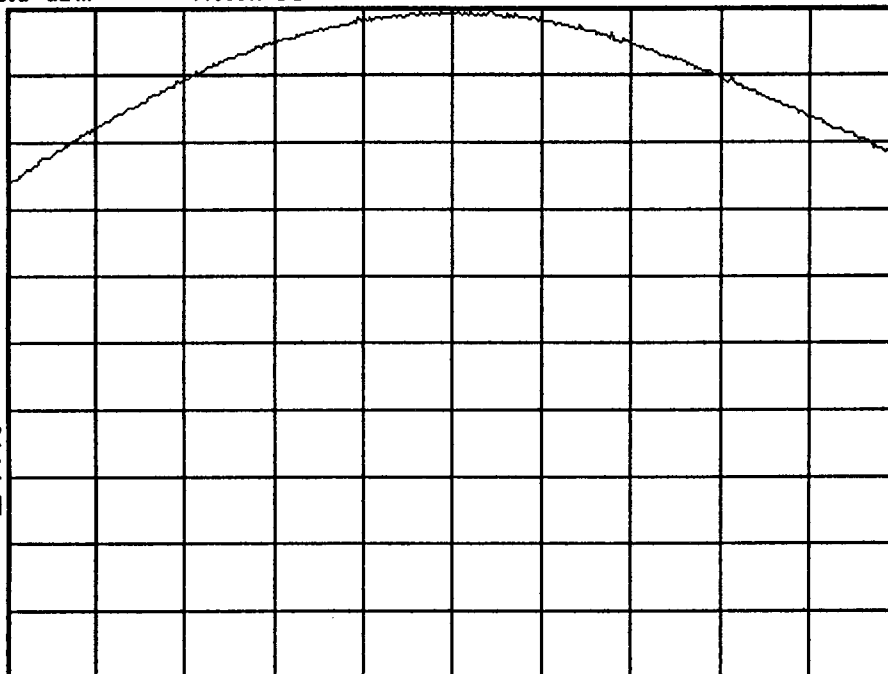
dB/

Offst

1

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 14:37:08 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT CDMA Ch 0777

Ref 25.5 dBm

Atten 35 dB

Peak

Log

10

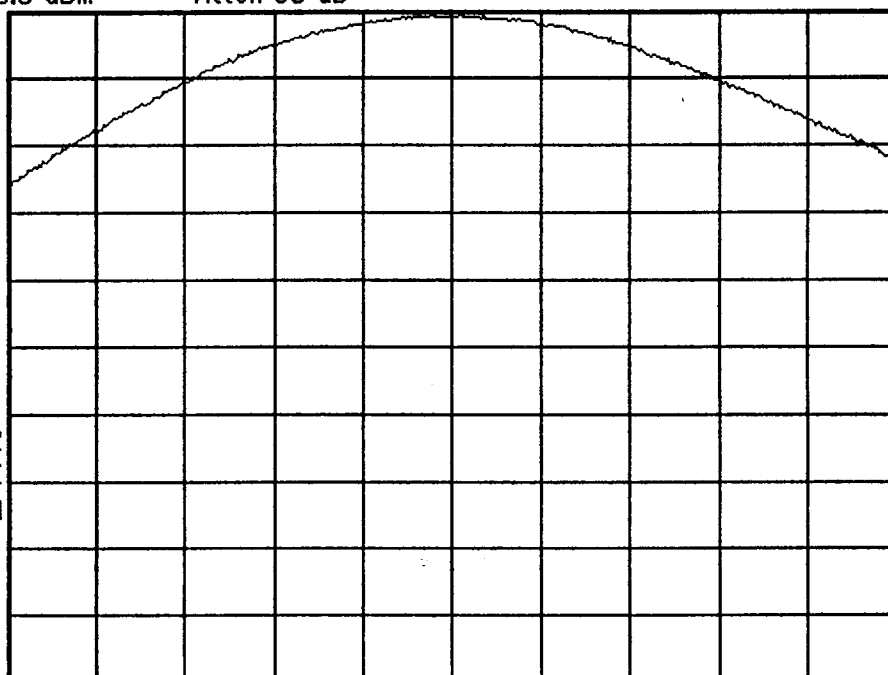
dB/

Offst

1

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

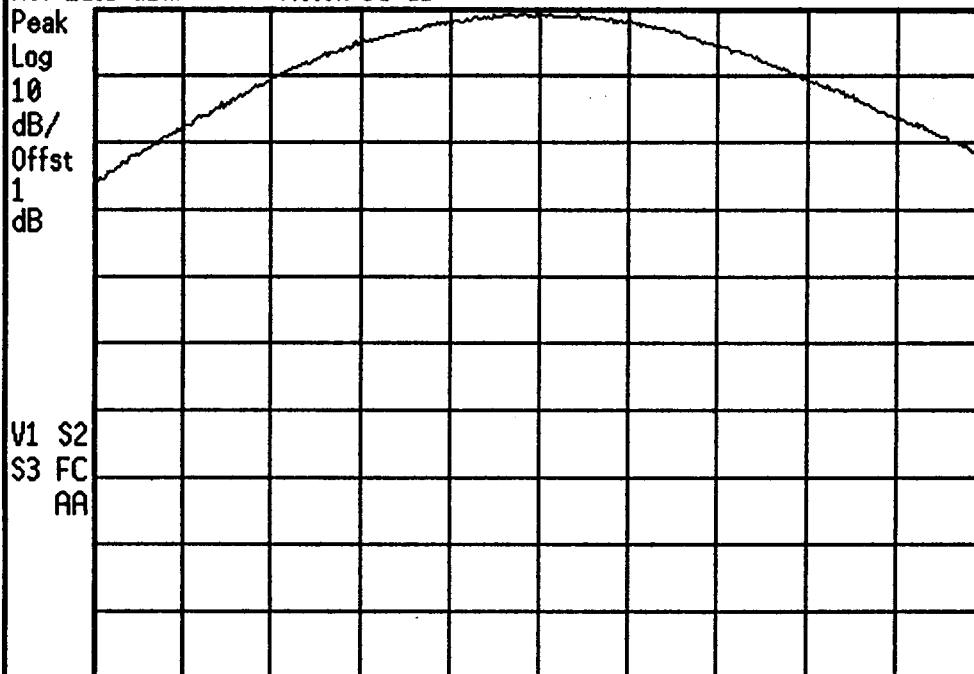
On

Off

\* Agilent 14:39:36 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT CDMA Ch 0363

Ref 25.5 dBm Atten 35 dB



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

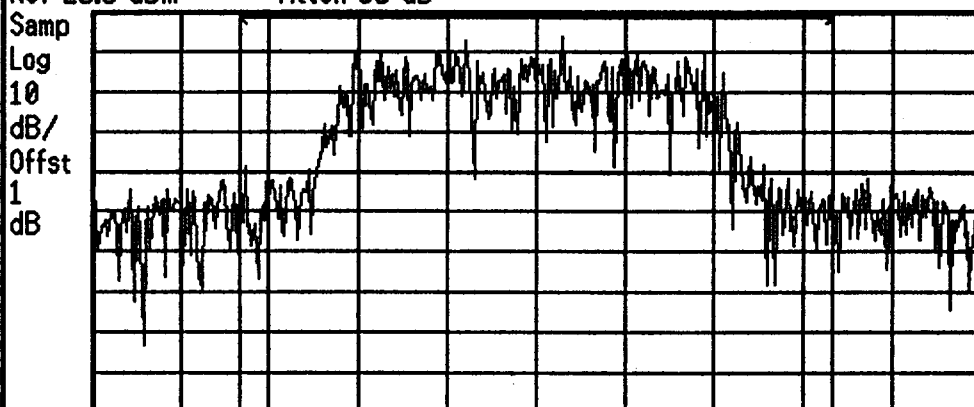
Freq Offset  
0.00000000 Hz

Signal Track  
On Off

\* Agilent 14:41:12 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT CDMA Ch 0363

Ref 25.5 dBm Atten 35 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  
25.51 dBm

Integration BW 2.000 MHz

Density -37.50 dBm/Hz



\* Agilent 14:26:51 Oct 31, 2001

FCC ID: CJ6DCE45202A BAND EDGE CDMA Ch 1013

Ref 25.5 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

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 14:30:55 Oct 31, 2001

FCC ID: CJ6DCE45202A BAND EDGE CDMA Ch 0777

Ref 25.5 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

AA

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

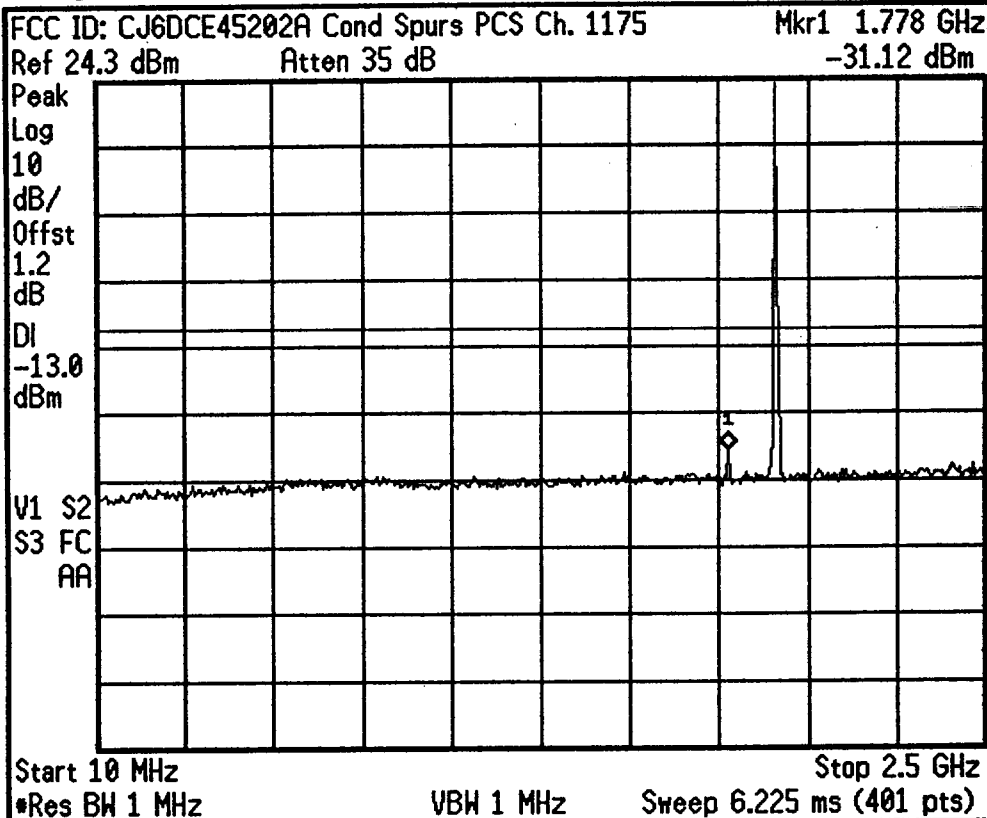
0.00000000 Hz

Signal Track

On

Off

\* Agilent 13:49:06 Oct 31, 2001



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

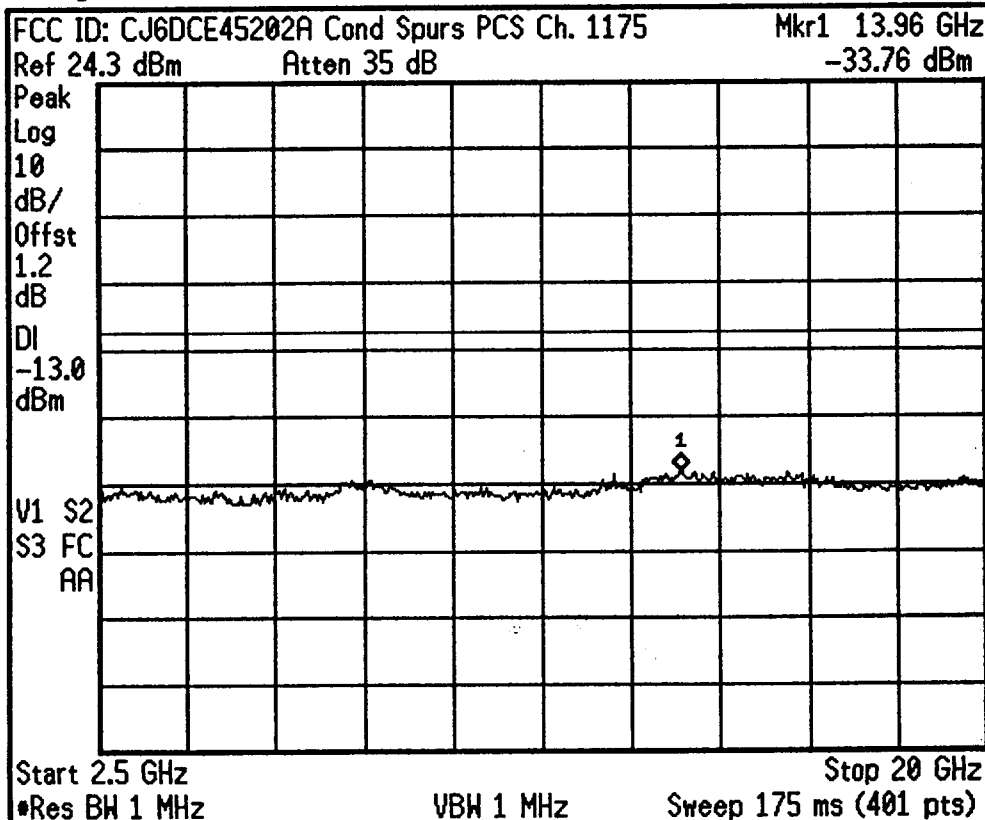
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:50:16 Oct 31, 2001



Freq/Channel

Center Freq  
 11.2500000 GHz

Start Freq  
 2.50000000 GHz

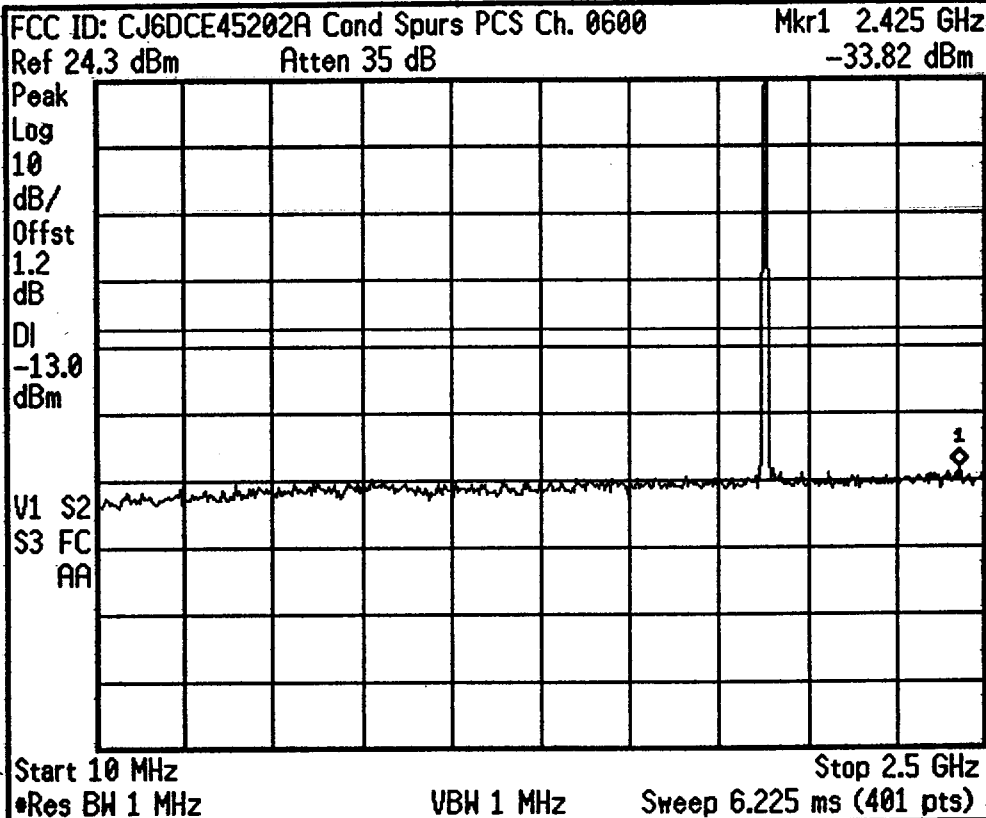
Stop Freq  
 20.0000000 GHz

CF Step  
 1.75000000 GHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:45:13 Oct 31, 2001



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.00000000 MHz

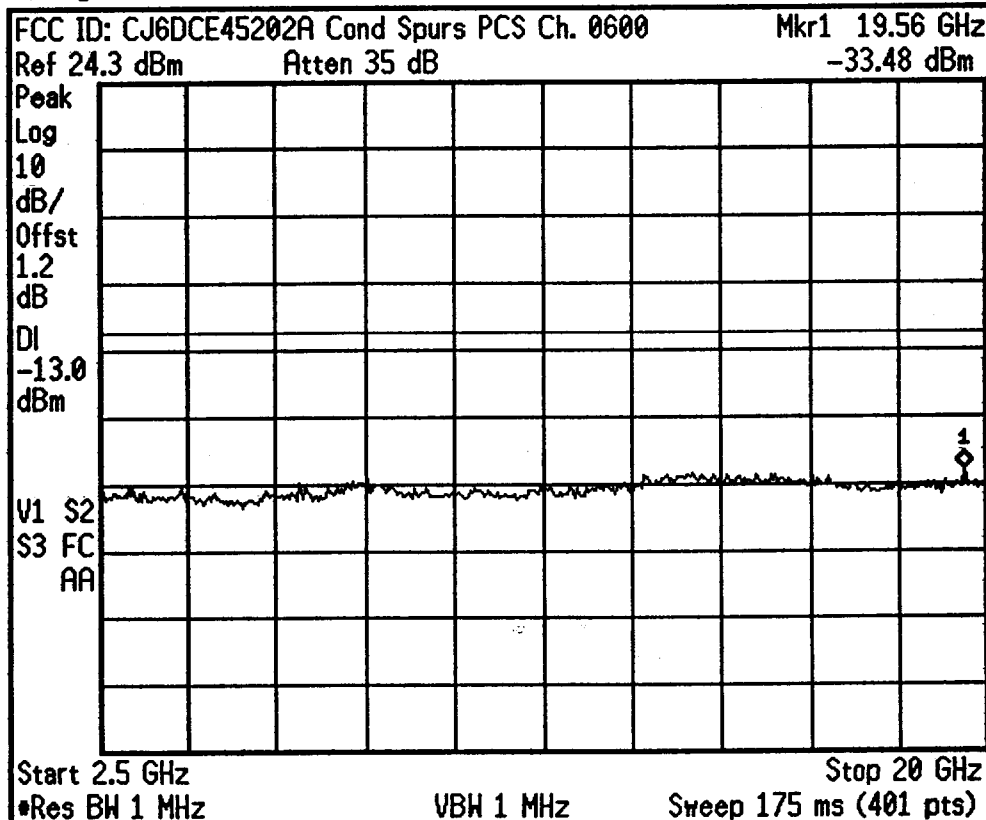
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 13:45:54 Oct 31, 2001



Freq/Channel

Center Freq  
 11.25000000 GHz

Start Freq  
 2.50000000 GHz

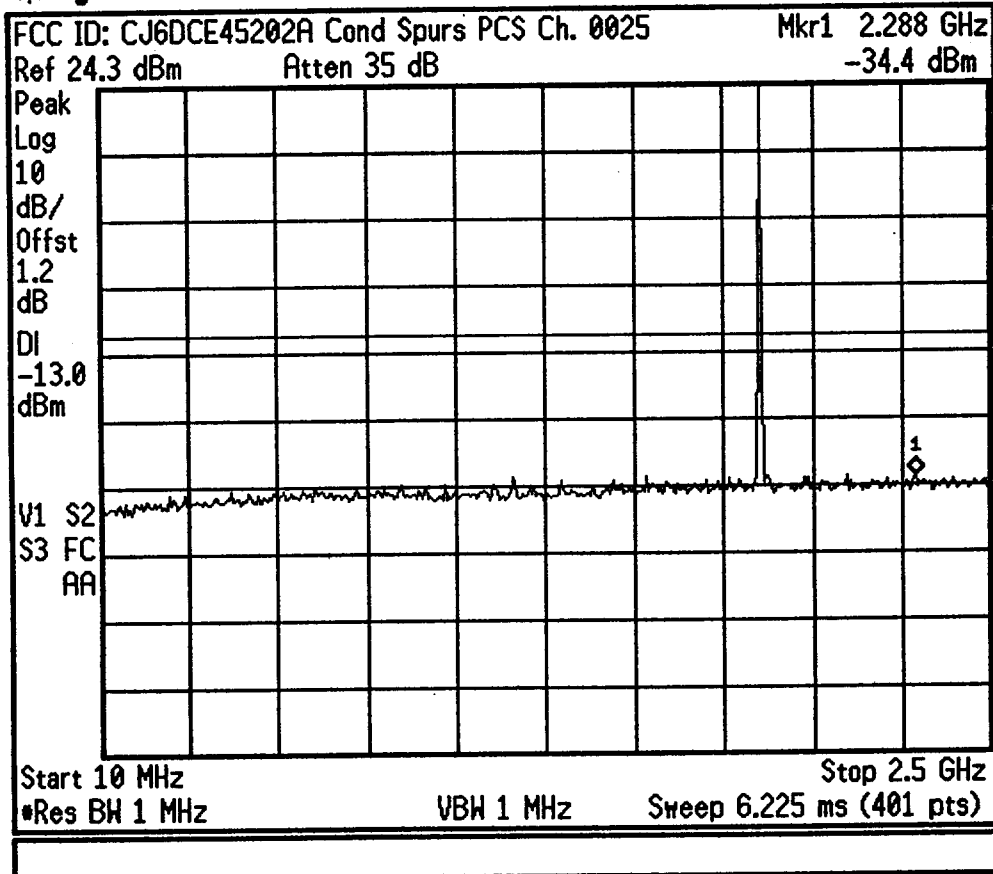
Stop Freq  
 20.00000000 GHz

CF Step  
 1.75000000 GHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

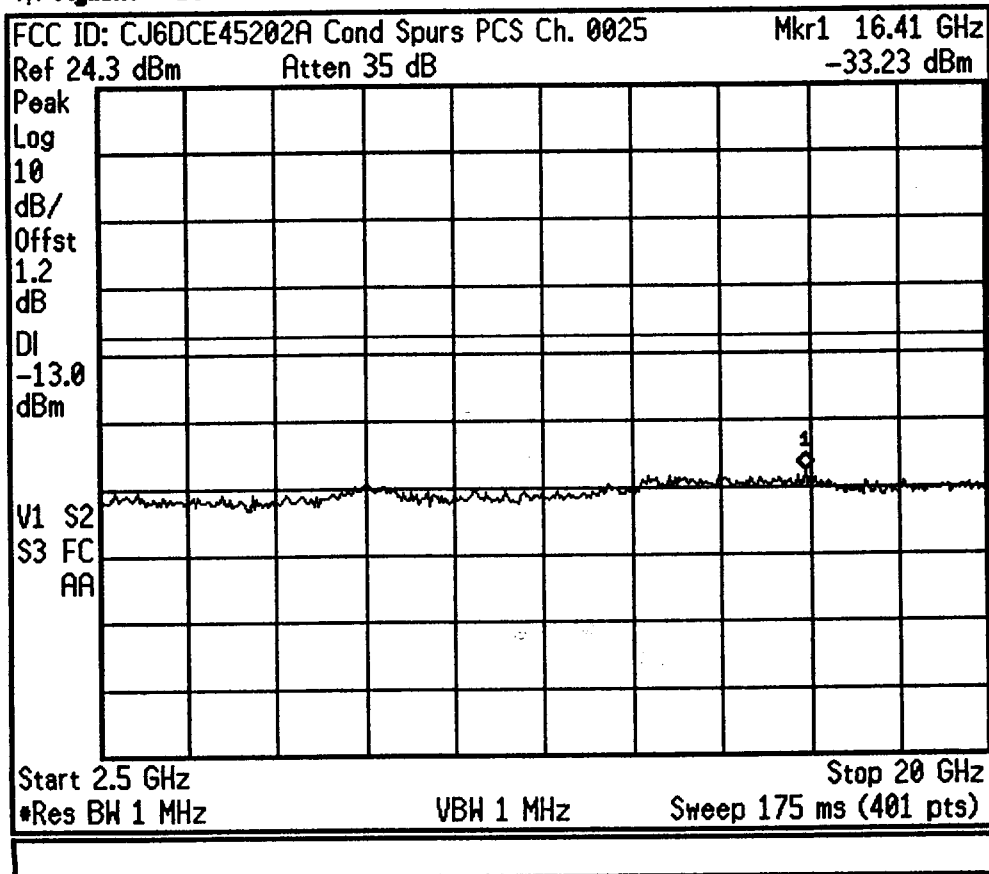
Signal Track  
 On Off

\* Agilent 13:42:32 Oct 31, 2001



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

\* Agilent 13:43:11 Oct 31, 2001



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

\* Agilent 13:53:43 Oct 31, 2001

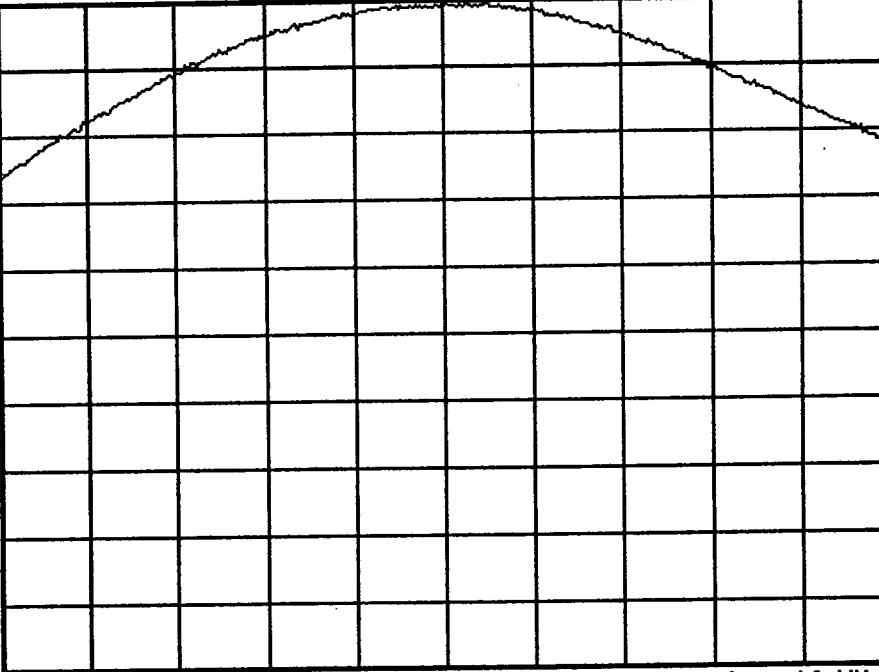
FCC ID: CJ6DCE45202A POWER OUT PCS Ch. 0600

Ref 24.3 dBm

Atten 35 dB

Peak  
Log  
10  
dB/  
Offst  
1.2  
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 13:55:34 Oct 31, 2001

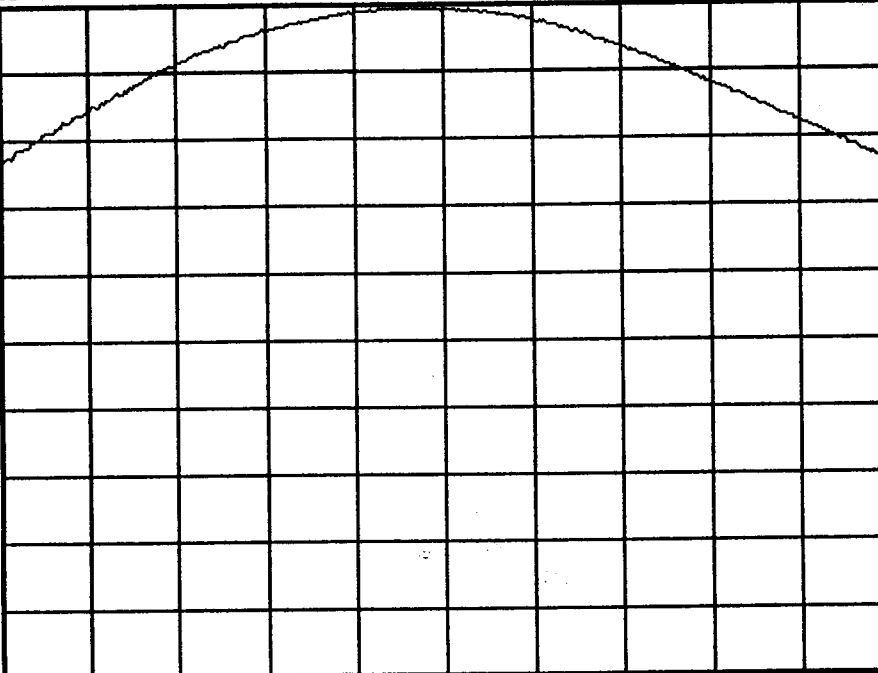
FCC ID: CJ6DCE45202A POWER OUT PCS Ch. 1175

Ref 24.3 dBm

Atten 35 dB

Peak  
Log  
10  
dB/  
Offst  
1.2  
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

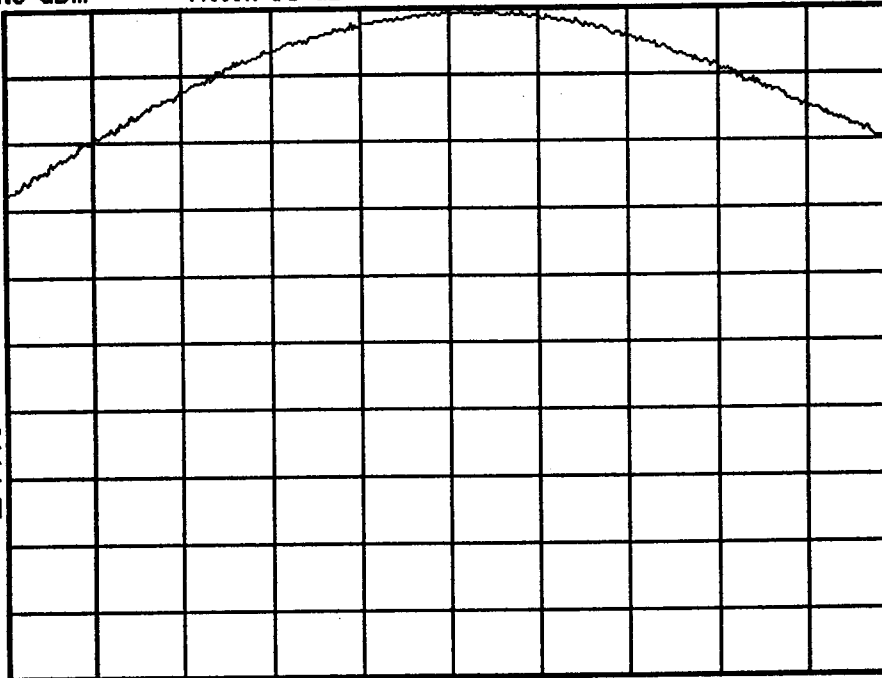
\* Agilent 13:56:55 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT PCS Ch. 0025

Ref 24.3 dBm Atten 35 dB

Peak  
Log  
10  
dB/  
Offst  
1.2  
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

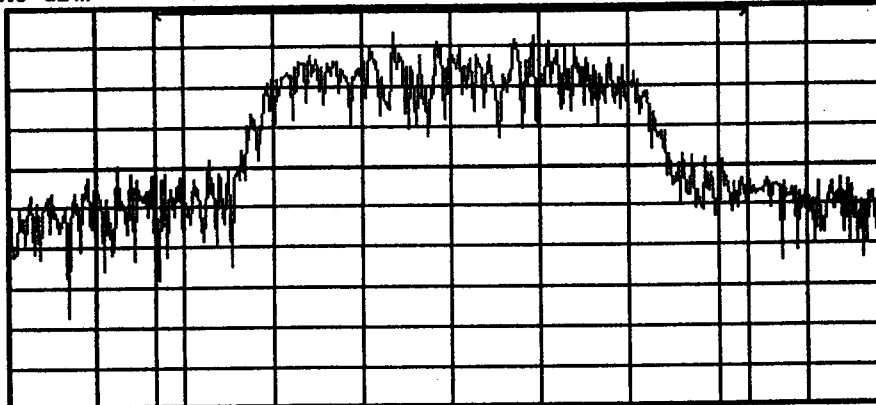
On Off

\* Agilent 13:59:13 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT PCS Ch. 0025

Ref 24.3 dBm Atten 35 dB

Samp  
Log  
10  
dB/  
Offst  
1.2  
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

1.85100000 GHz

Start Freq

1.84950000 GHz

Stop Freq

1.85250000 GHz

CF Step

300.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

Channel Power Results (Idle)

Channel Power

24.28 dBm

Integration BW 2.000 MHz

Density -38.73 dBm/Hz

\* Agilent 14:01:19 Oct 31, 2001

FCC ID: CJ6DCE45202A POWER OUT PCS Ch. 0600

Ref 24.3 dBm

Atten 35 dB

Samp

Log

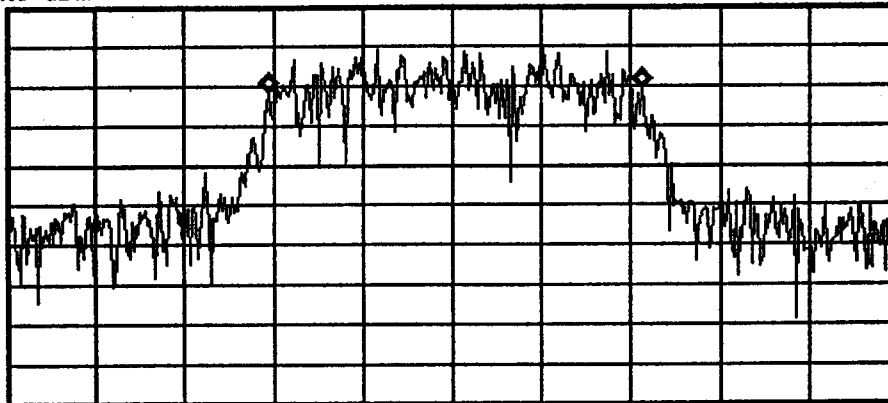
10

dB/

Offst

1.2

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 11.83 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

\* Agilent 14:05:04 Oct 31, 2001

FCC ID: CJ6DCE45202A BAND EDGE PCS Ch. 1175

Ref 24.3 dBm Atten 35 dB



Center 1.91 GHz

Span 5 MHz

\*Res BW 30 kHz

VBW 30 kHz

Sweep 13.89 ms (401 pts)

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

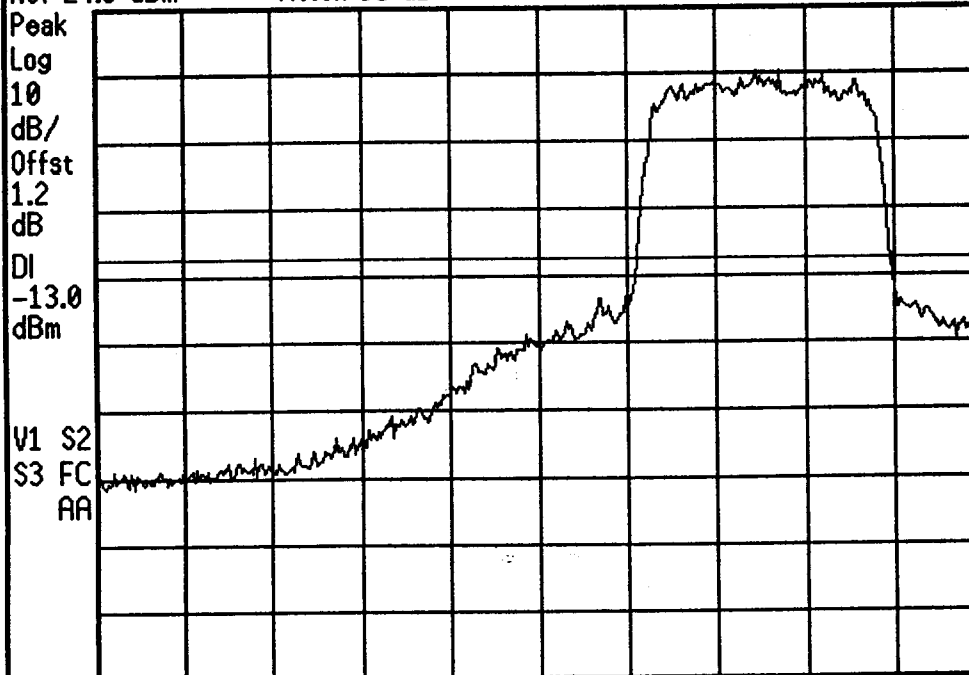
Signal Track

On Off

\* Agilent 14:06:43 Oct 31, 2001

FCC ID: CJ6DCE45202A BAND EDGE PCS Ch. 0025

Ref 24.3 dBm Atten 35 dB



Center 1.85 GHz

Span 5 MHz

\*Res BW 30 kHz

VBW 30 kHz

Sweep 13.89 ms (401 pts)

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

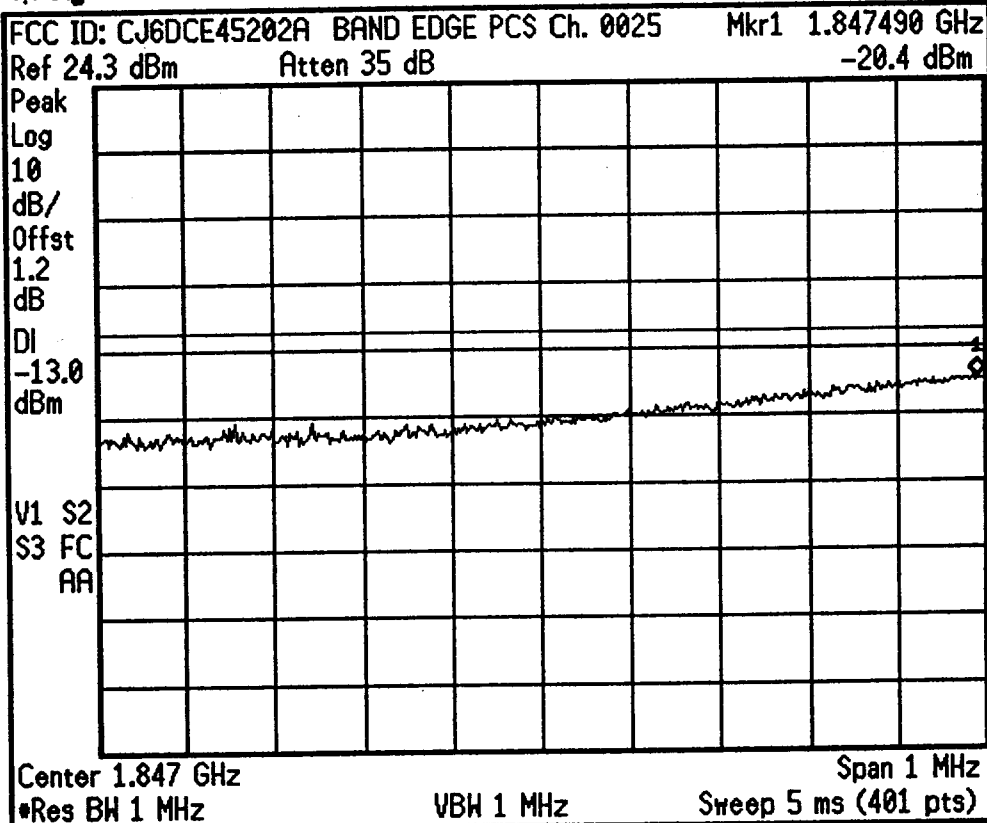
0.00000000 Hz

Signal Track

On Off



\* Agilent 14:08:10 Oct 31, 2001



Freq/Channel

Center Freq  
 1.84700000 GHz

Start Freq  
 1.84650000 GHz

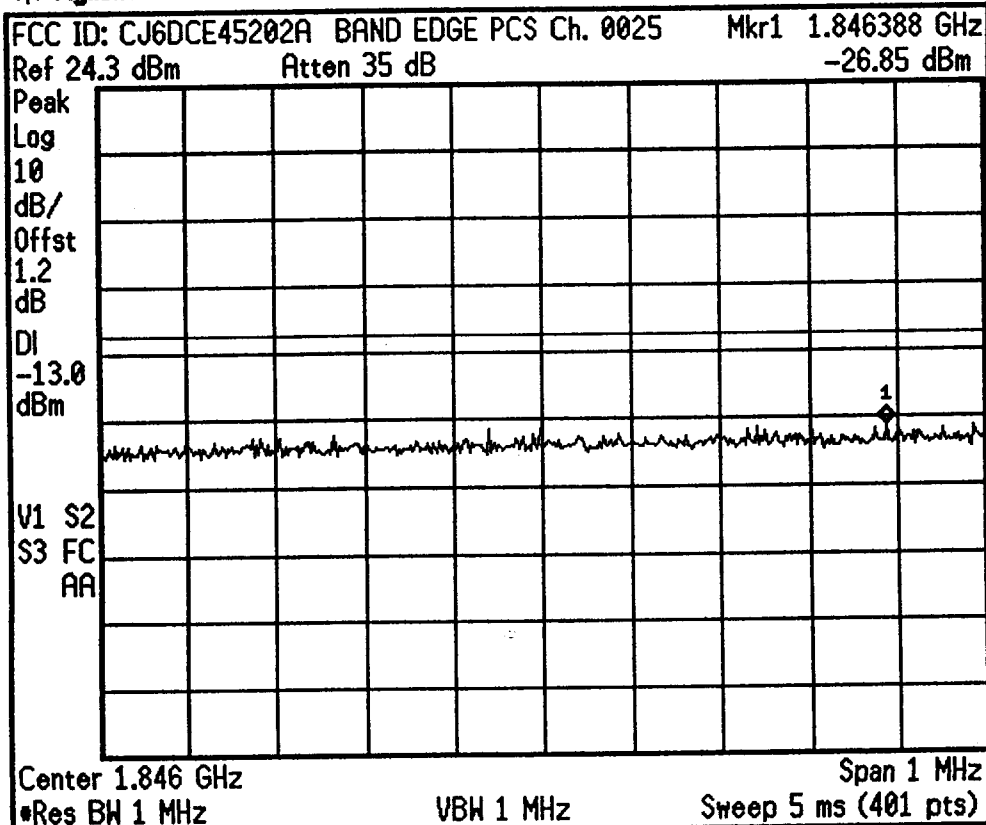
Stop Freq  
 1.84750000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 14:09:11 Oct 31, 2001



Freq/Channel

Center Freq  
 1.84600000 GHz

Start Freq  
 1.84550000 GHz

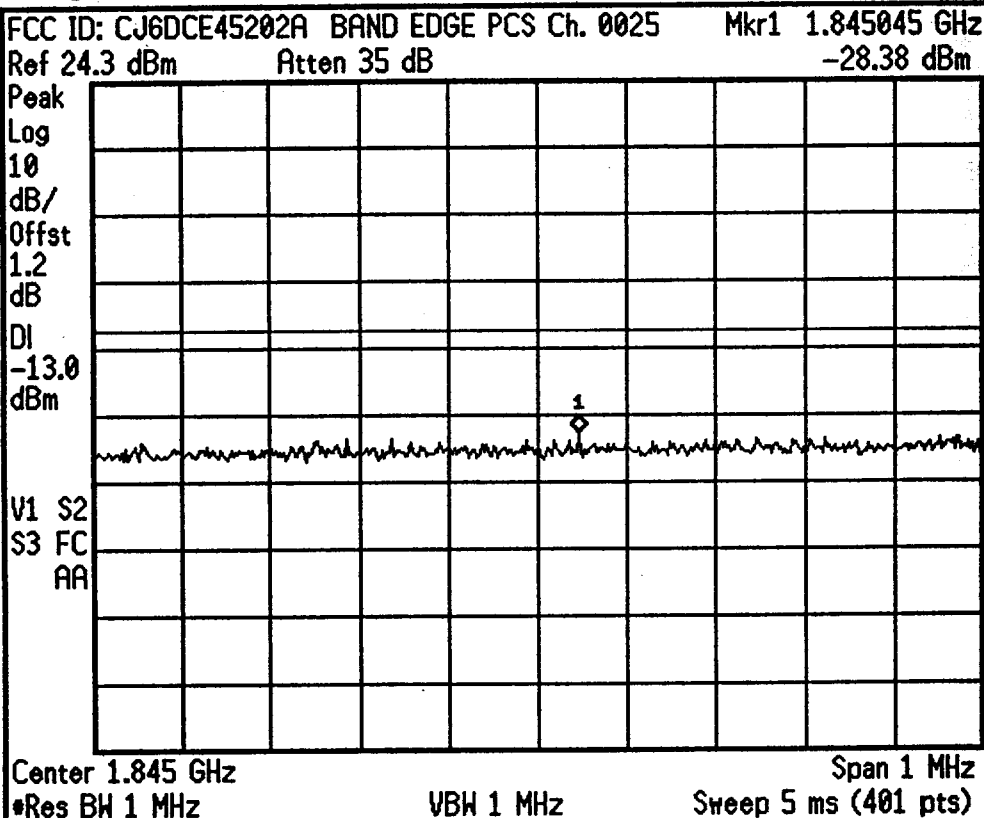
Stop Freq  
 1.84650000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 14:09:53 Oct 31, 2001



Freq/Channel

Center Freq  
 1.8450000 GHz

Start Freq  
 1.8445000 GHz

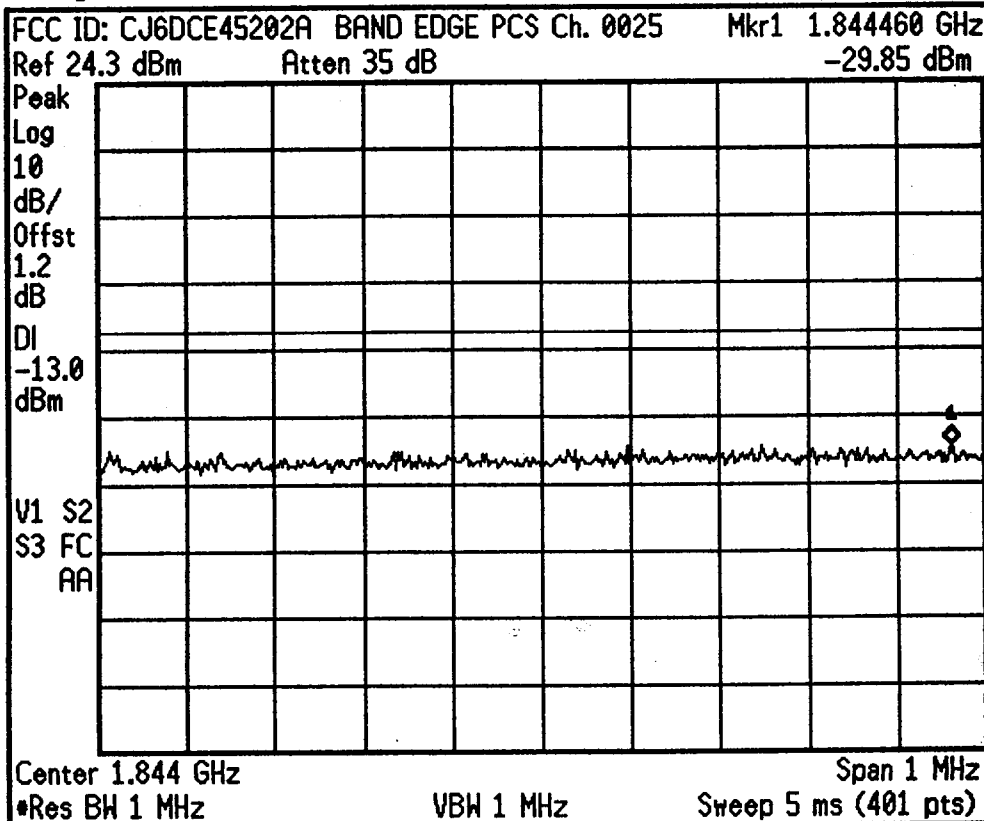
Stop Freq  
 1.8455000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 14:10:52 Oct 31, 2001



Freq/Channel

Center Freq  
 1.8440000 GHz

Start Freq  
 1.8435000 GHz

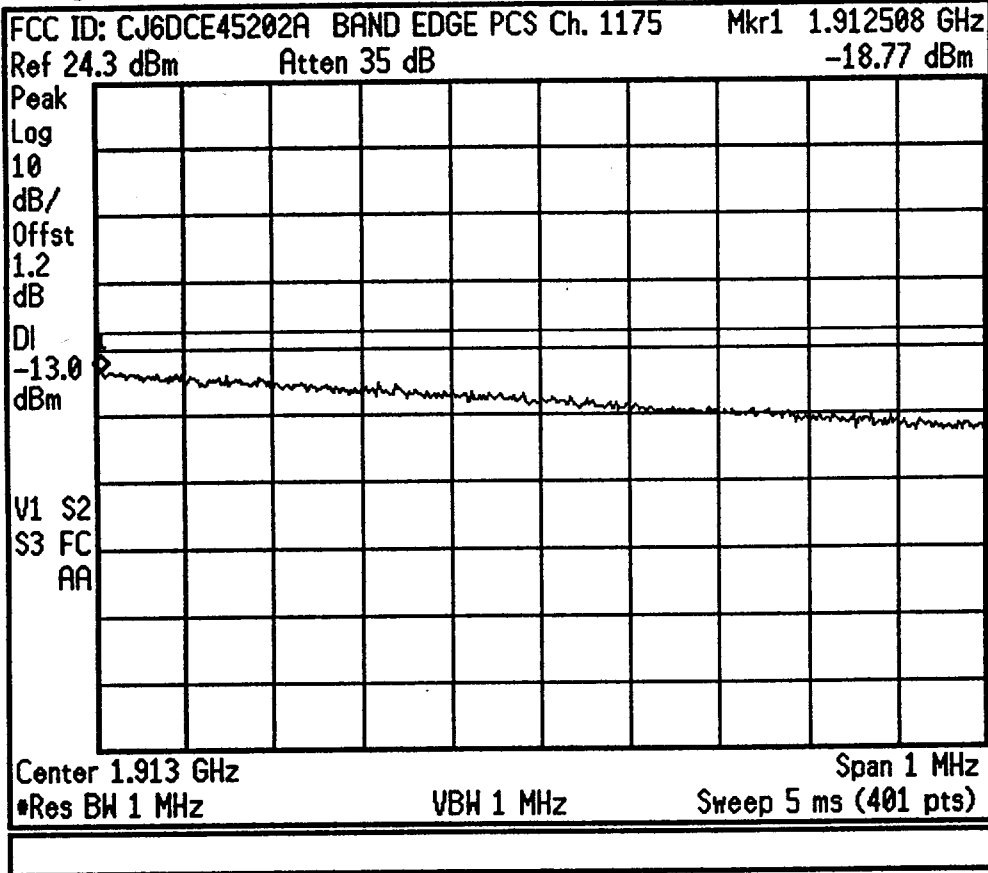
Stop Freq  
 1.8445000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

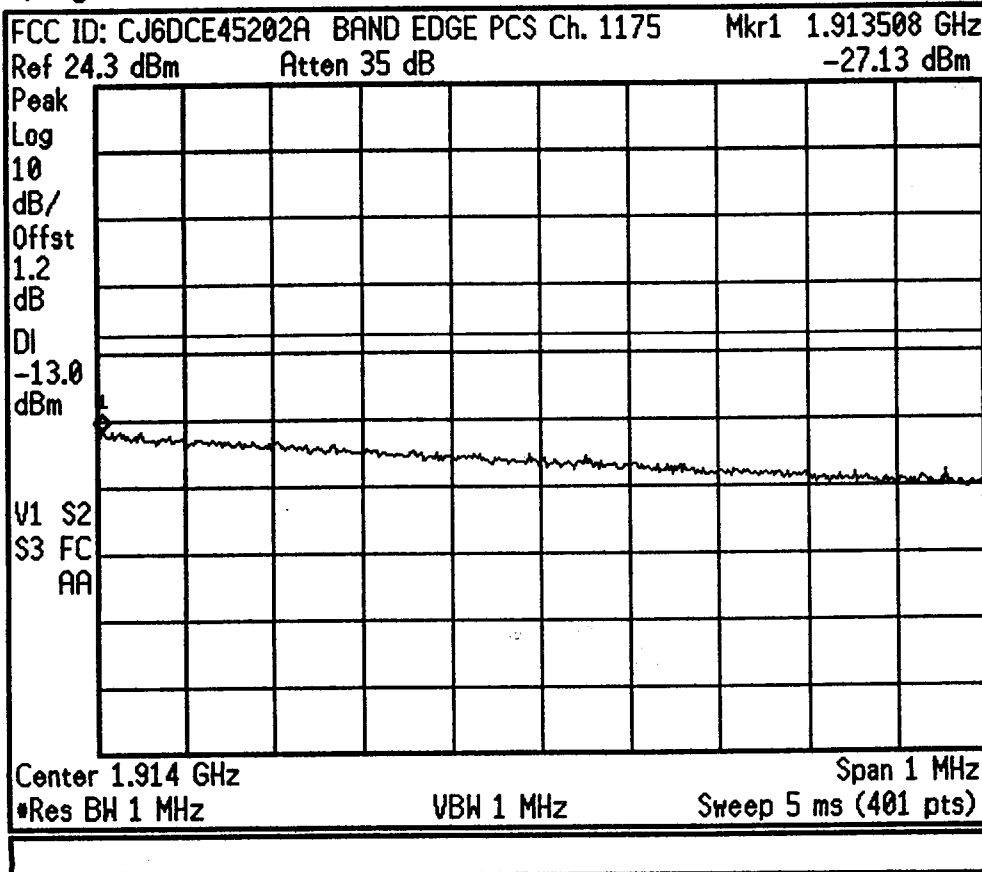
Signal Track  
 On Off

\* Agilent 14:12:54 Oct 31, 2001



|                                              |
|----------------------------------------------|
| <b>Freq/Channel</b>                          |
| <b>Center Freq</b><br>1.91300000 GHz         |
| <b>Start Freq</b><br>1.91250000 GHz          |
| <b>Stop Freq</b><br>1.91350000 GHz           |
| <b>CF Step</b><br>100.000000 kHz<br>Auto Man |
| <b>Freq Offset</b><br>0.00000000 Hz          |
| <b>Signal Track</b><br>On Off                |

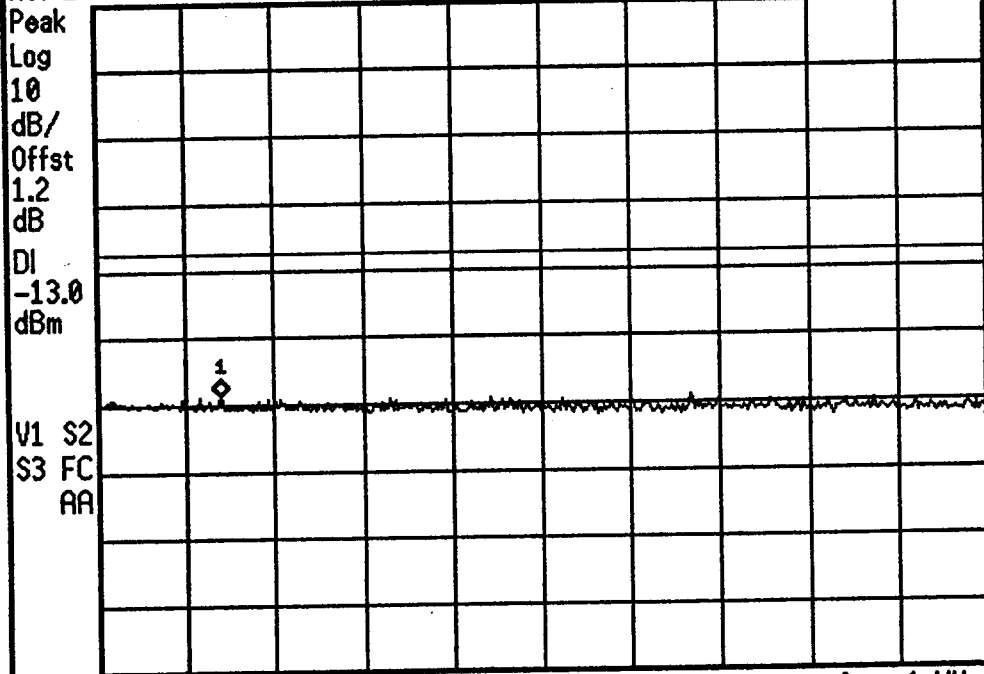
\* Agilent 14:13:32 Oct 31, 2001



|                                              |
|----------------------------------------------|
| <b>Freq/Channel</b>                          |
| <b>Center Freq</b><br>1.91400000 GHz         |
| <b>Start Freq</b><br>1.91350000 GHz          |
| <b>Stop Freq</b><br>1.91450000 GHz           |
| <b>CF Step</b><br>100.000000 kHz<br>Auto Man |
| <b>Freq Offset</b><br>0.00000000 Hz          |
| <b>Signal Track</b><br>On Off                |

\* Agilent 14:14:20 Oct 31, 2001

FCC ID: CJ6DCE45202A BAND EDGE PCS Ch. 1175 Mkr1 1.914638 GHz  
 Ref 24.3 dBm Atten 35 dB -34.32 dBm



Center 1.915 GHz Span 1 MHz  
 Res BW 1 MHz VBW 1 MHz Sweep 5 ms (401 pts)

Freq/Channel

Center Freq  
 1.91500000 GHz

Start Freq  
 1.91450000 GHz

Stop Freq  
 1.91550000 GHz

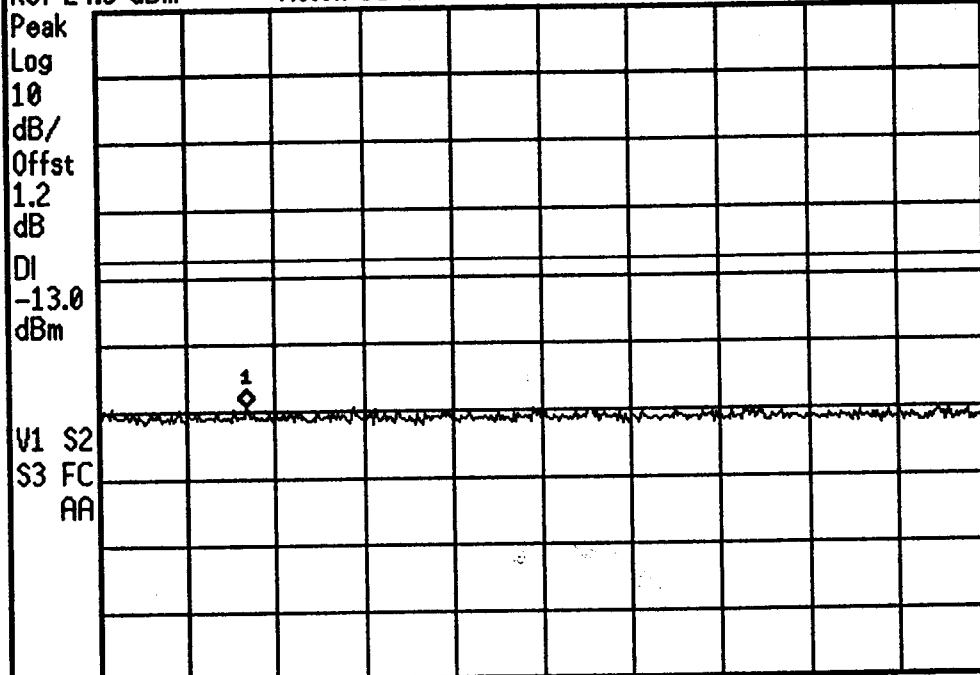
CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 14:15:44 Oct 31, 2001

FCC ID: CJ6DCE45202A BAND EDGE PCS Ch. 1175 Mkr1 1.915668 GHz  
 Ref 24.3 dBm Atten 35 dB -34.96 dBm



Center 1.916 GHz Span 1 MHz  
 Res BW 1 MHz VBW 1 MHz Sweep 5 ms (401 pts)

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