

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

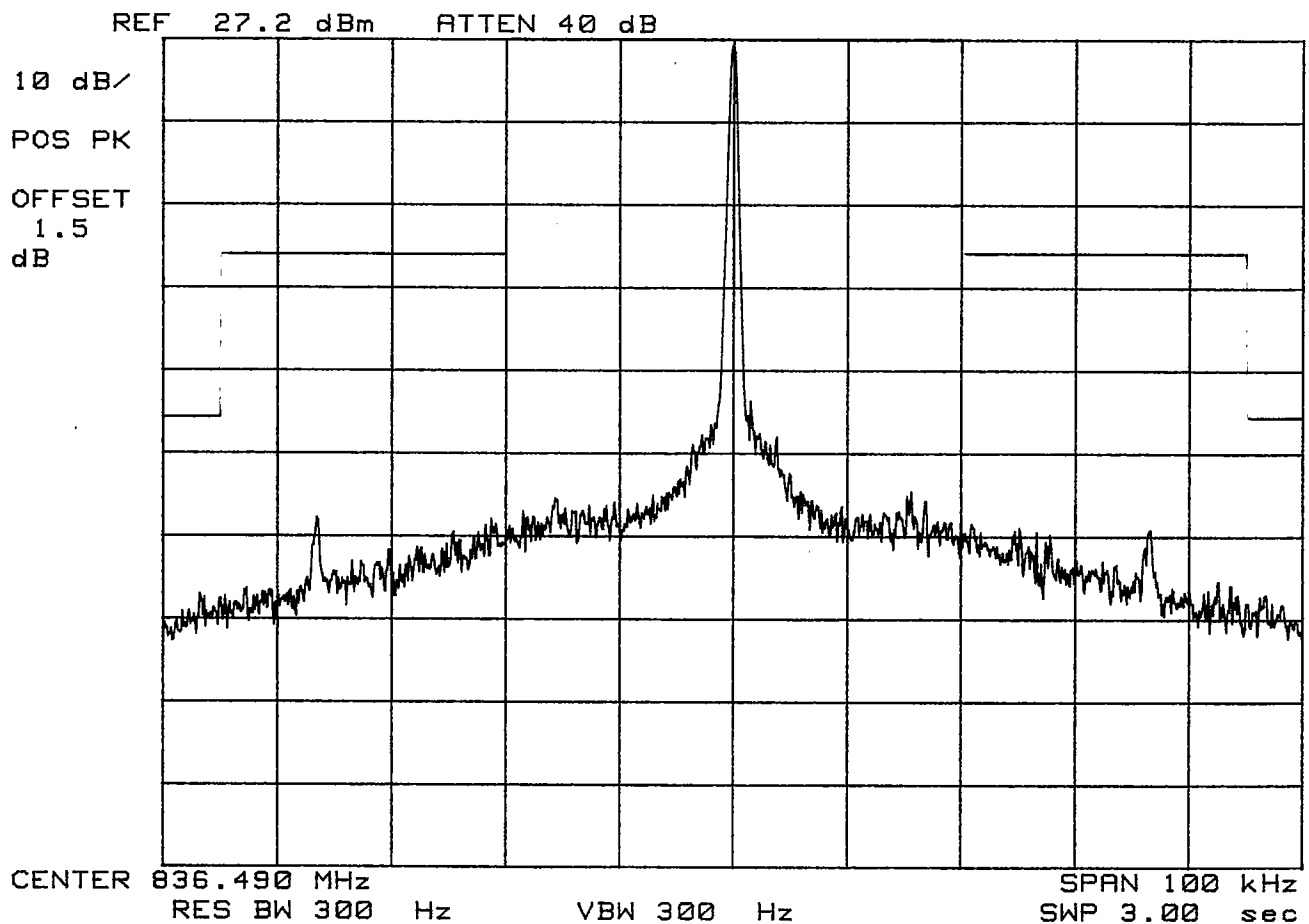
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

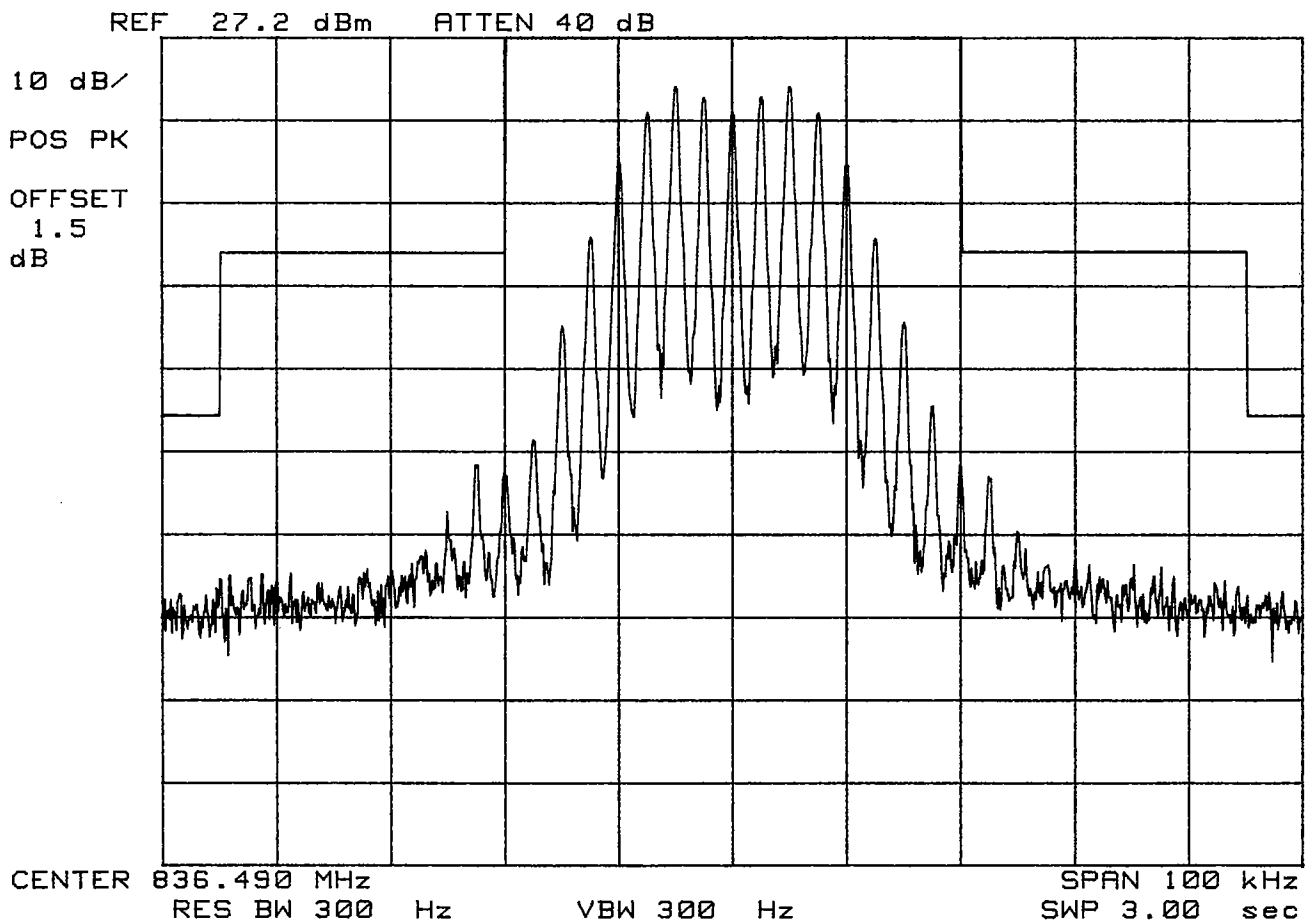
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

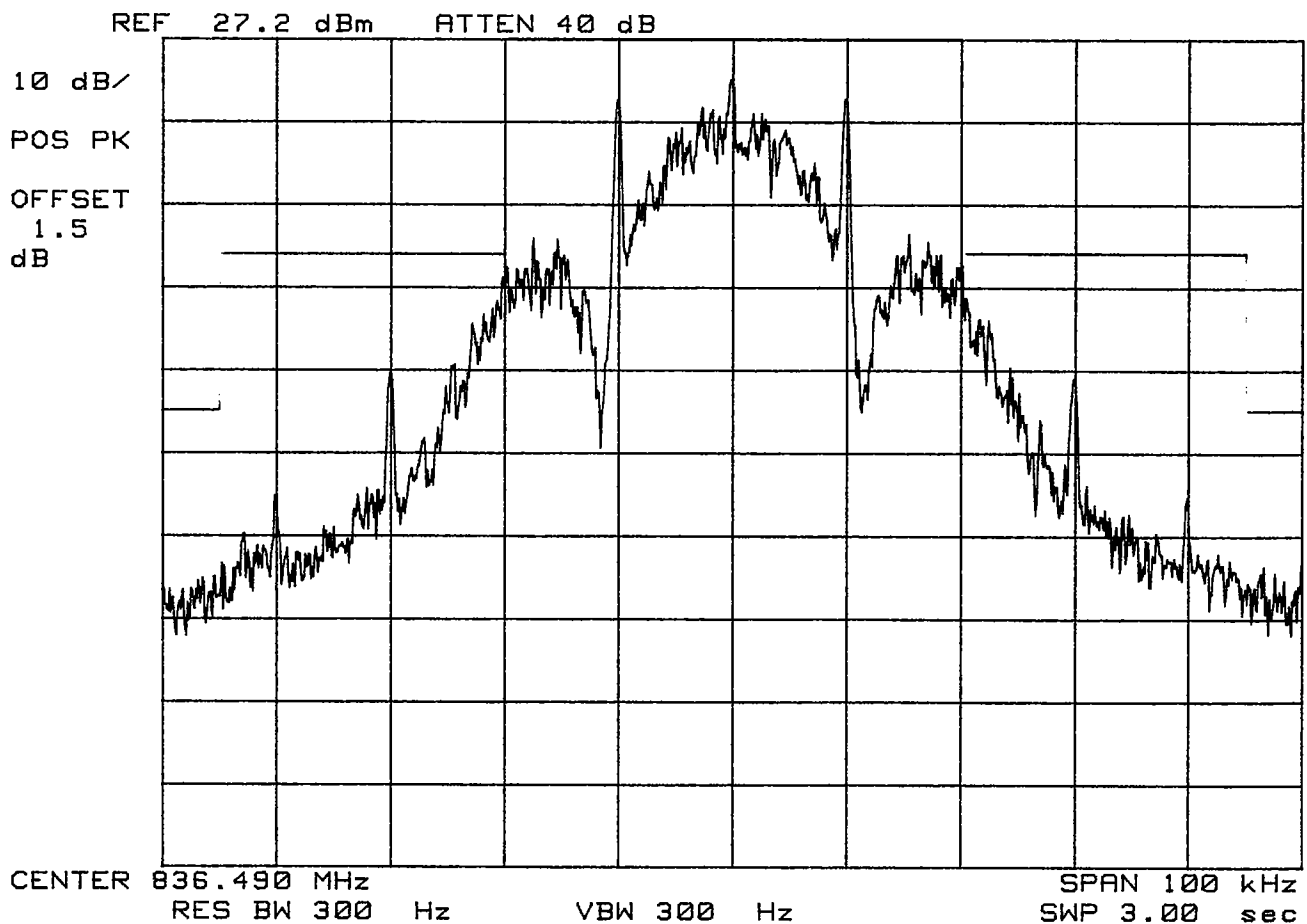
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

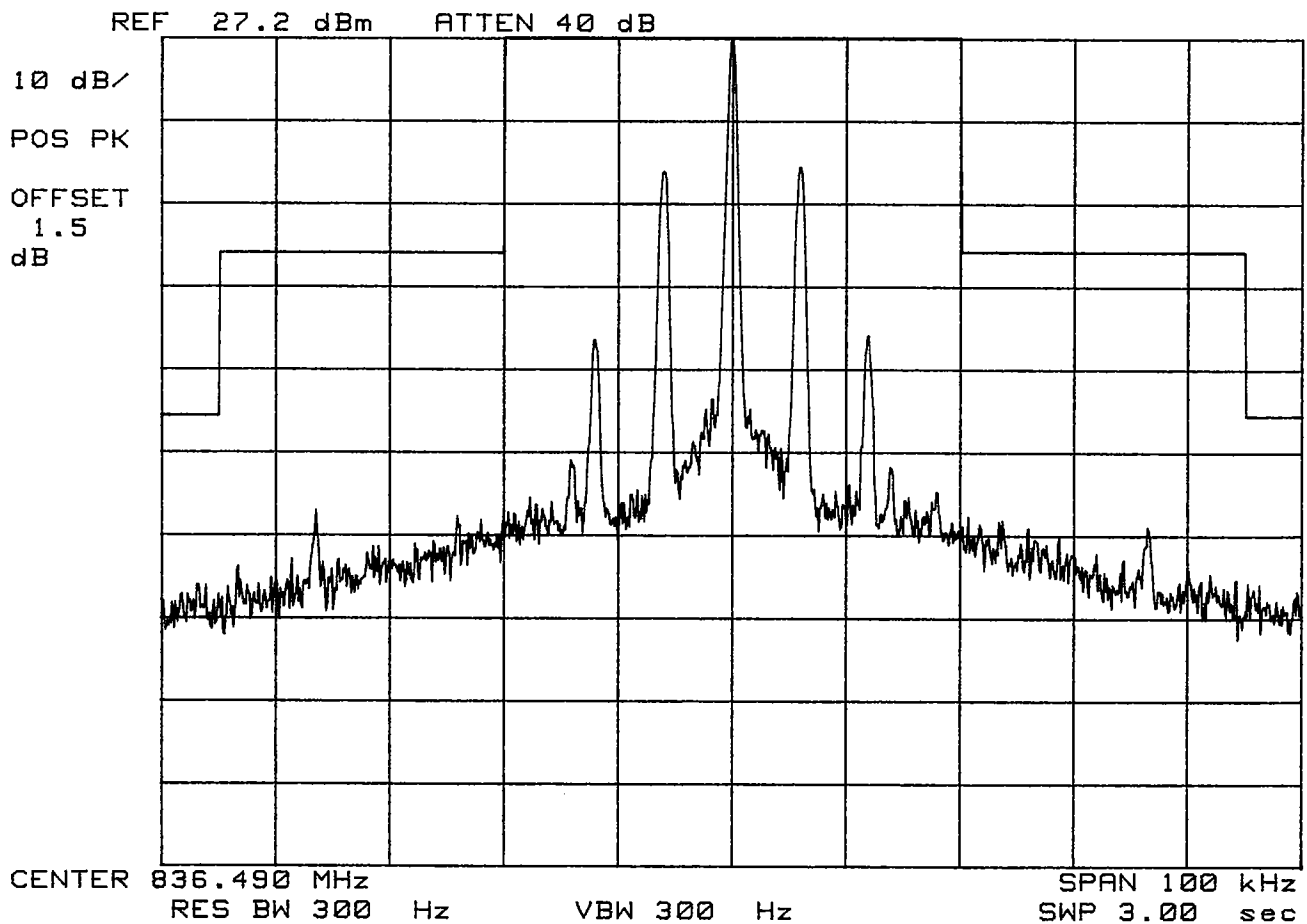
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

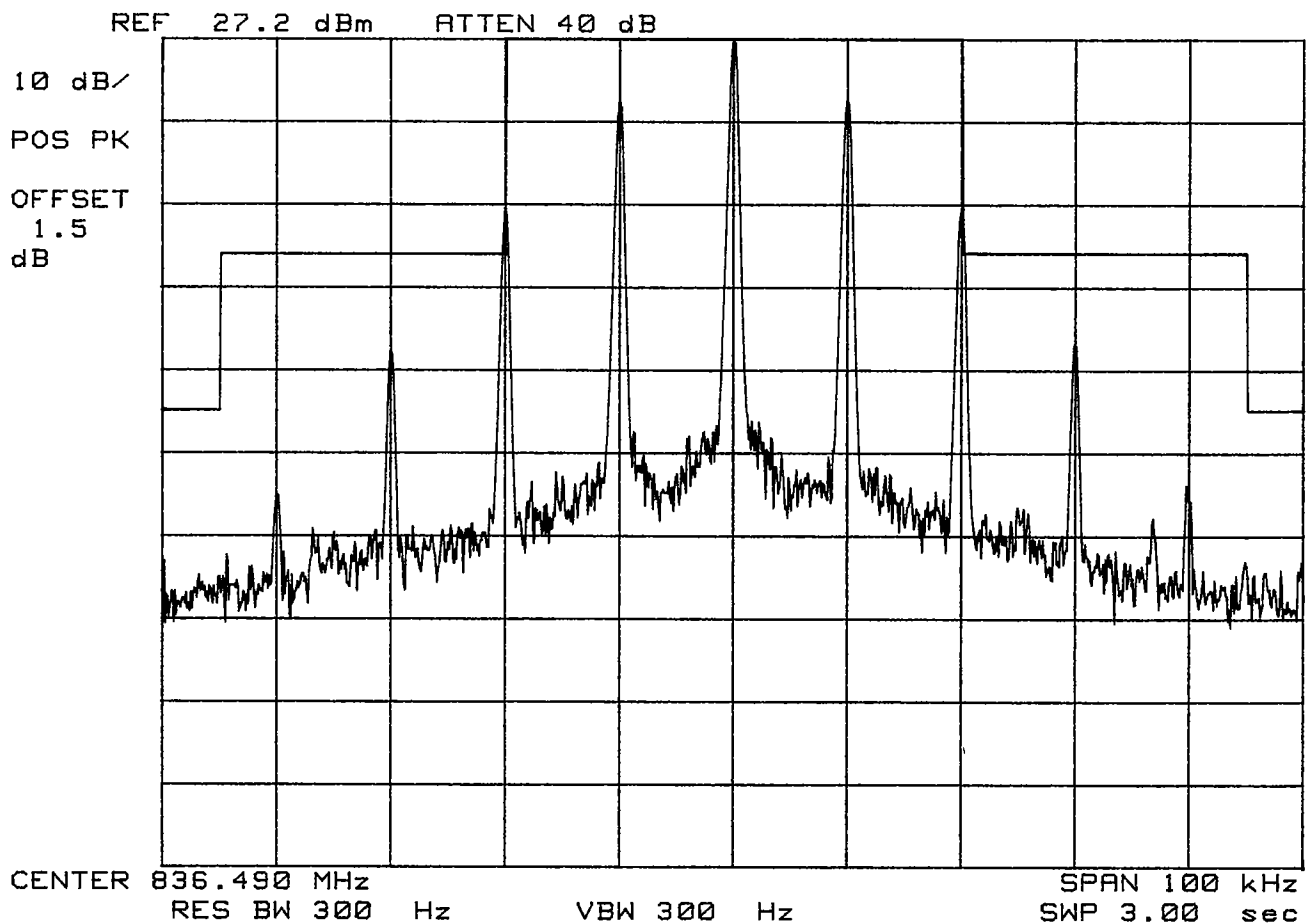
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46006A

TOSHIBA

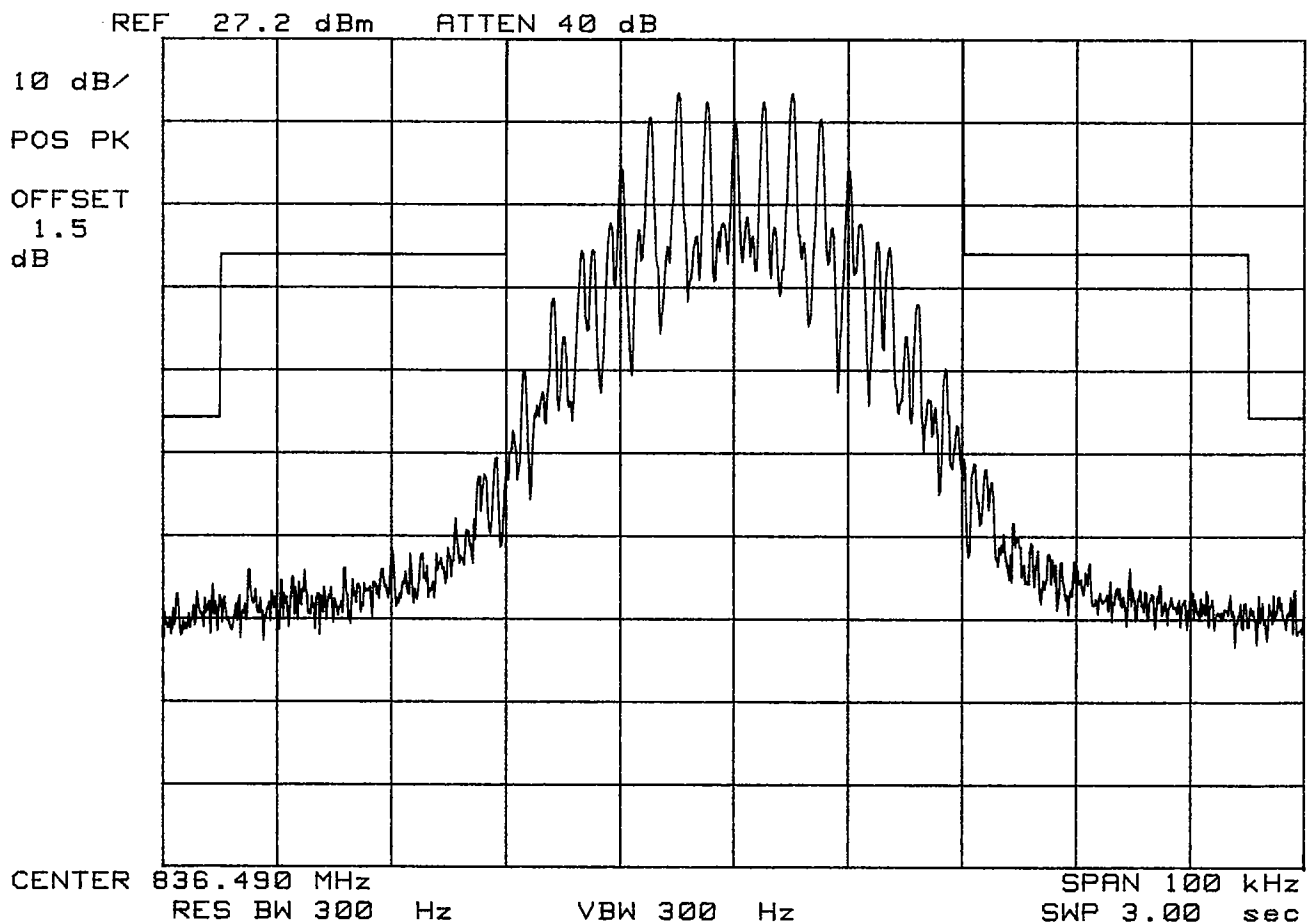
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:SAT + Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

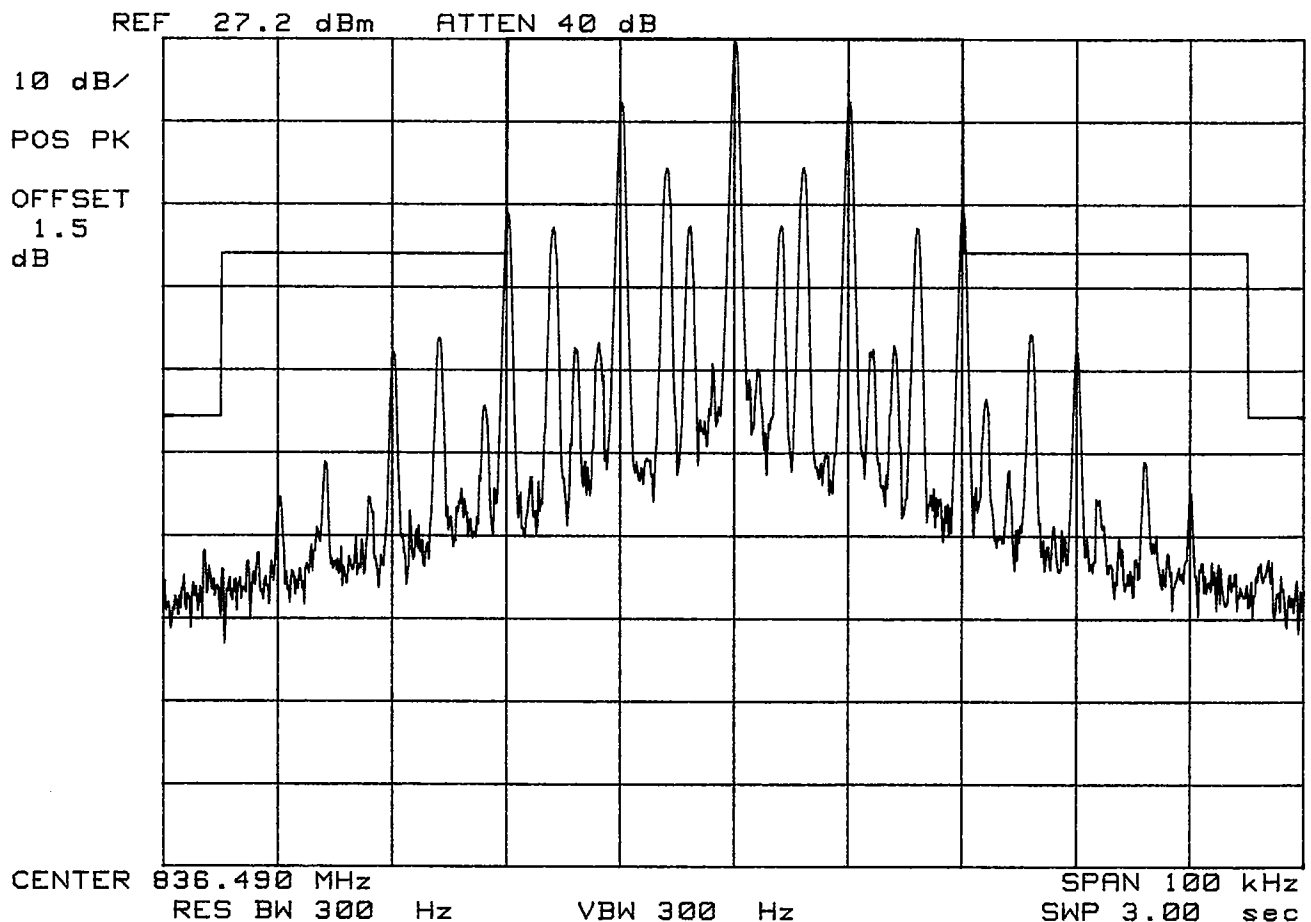
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE46036A

TOSHIBA

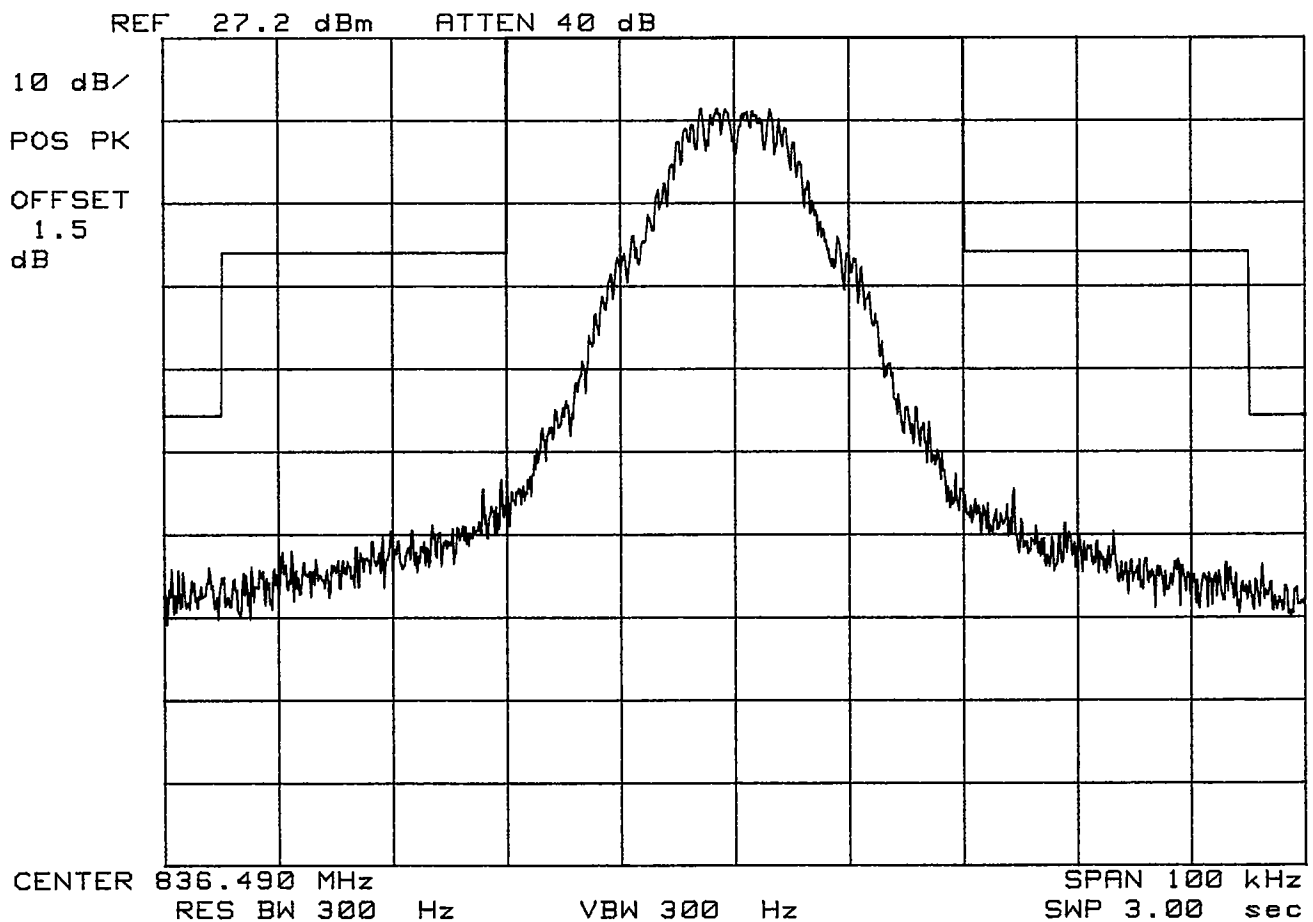
Tri-Mode Phone

FM Channel 383

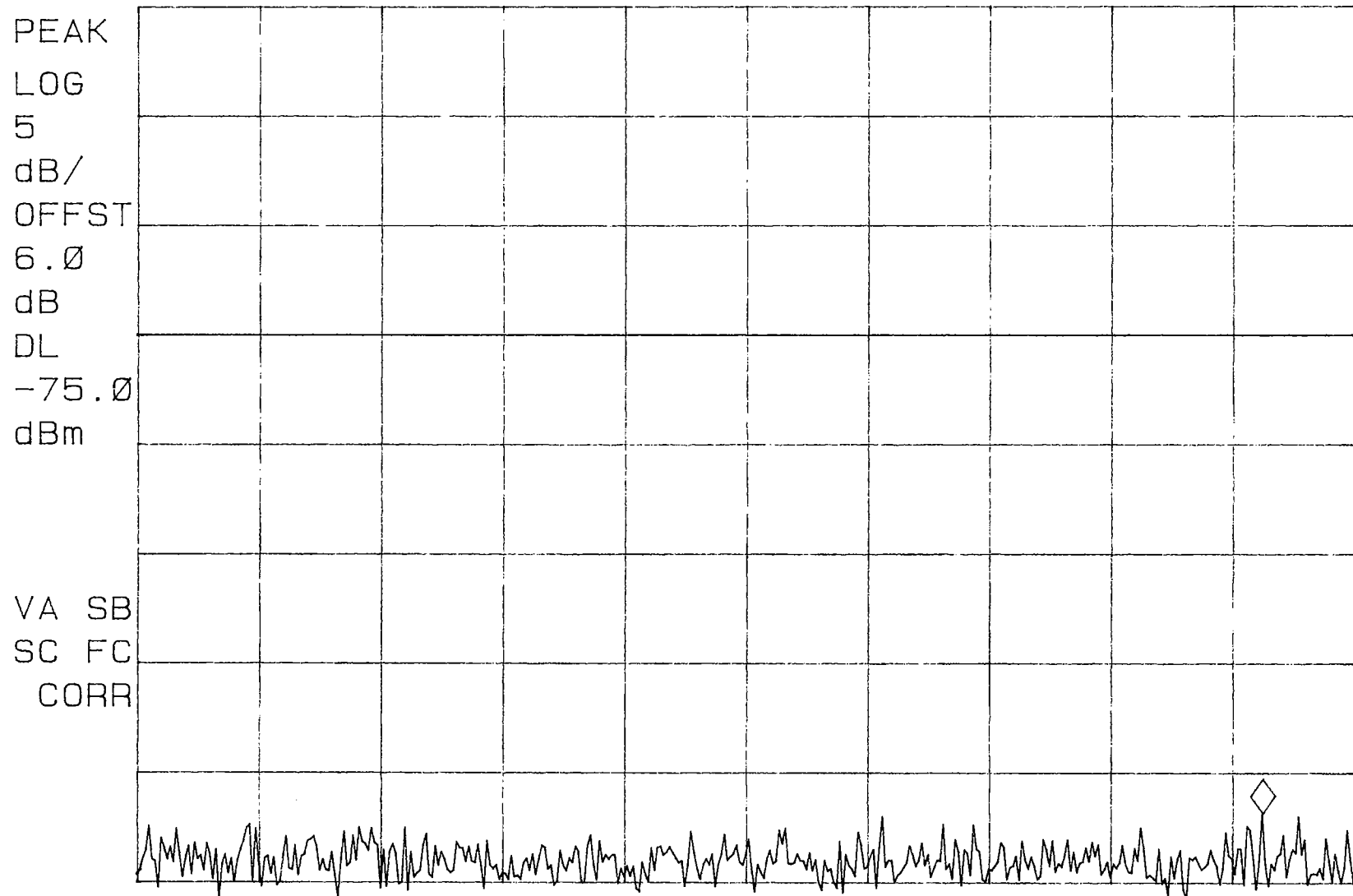
Operating Frequency: 836.490 MHz

Output Power : 27.2 dBm

Test Mode:SAT + DTMF



 FCC ID: CJ6DCE46036A FM MODE MKR 892.12 MHz
REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB -96.83 dBm



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

~~h~~ FCC ID: CJ6DCE46036A CDMA MODE

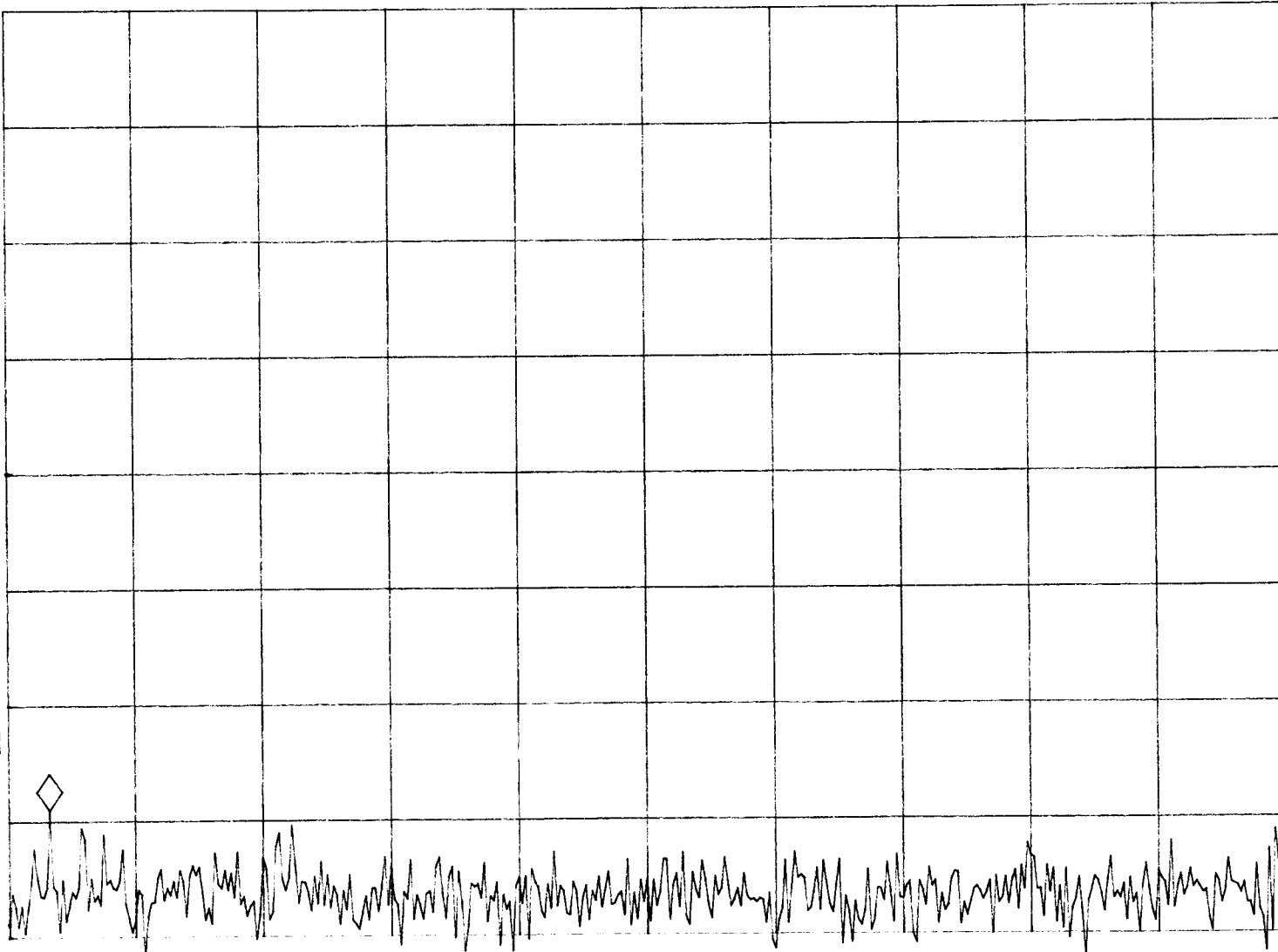
MKR 869.81 MHz

REF -60.0 dBm ATTEN 10 dB PG 25.0 dB

-94.51 dBm

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

VA SB
SC FC
CORR



START 869.00 MHz

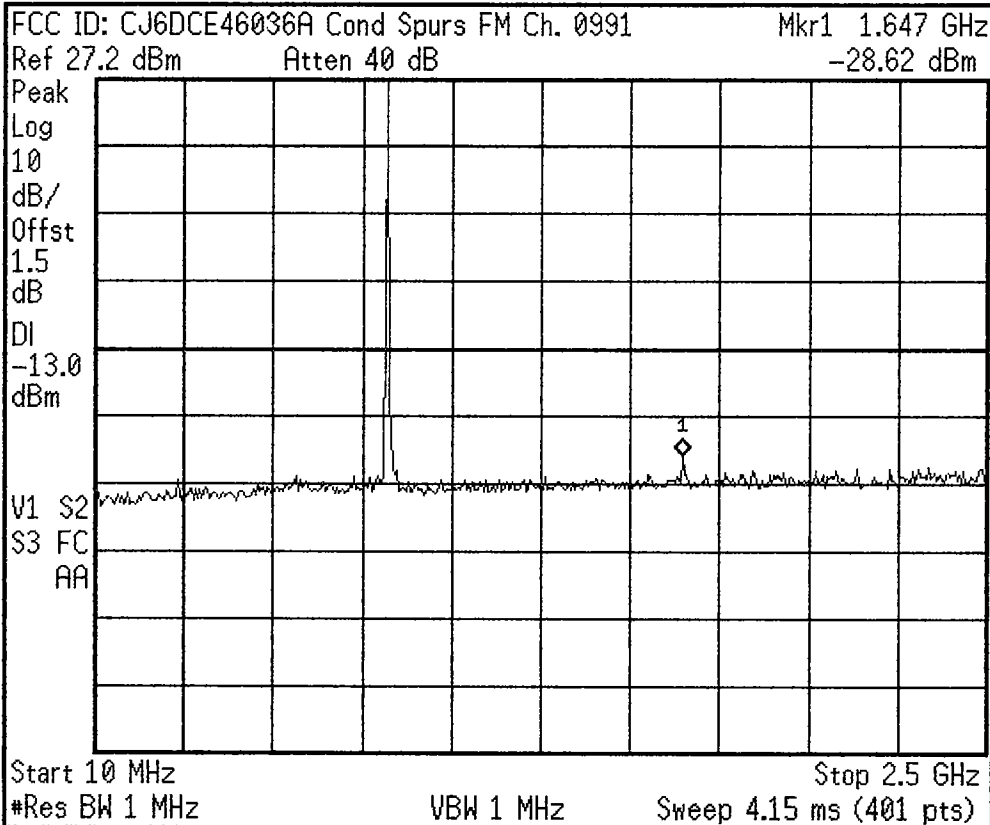
STOP 894.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

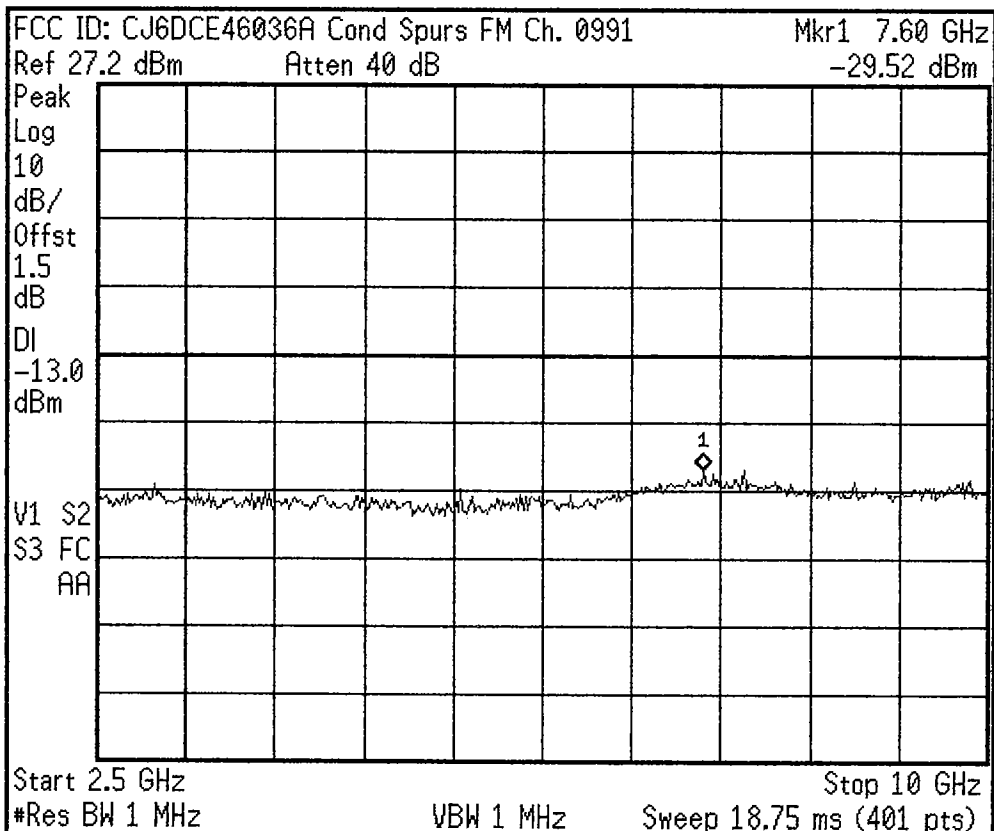
SWP 20 msec

* Agilent 11:30:54 May 1, 2002



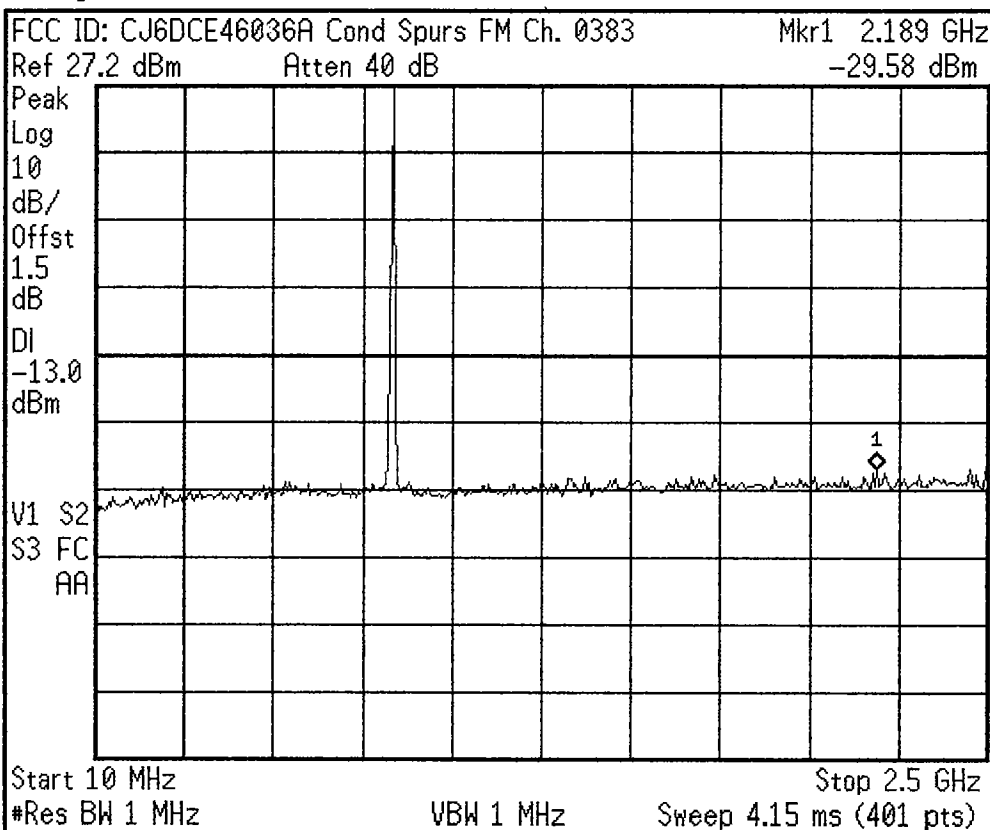
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off
Scale Type Log Lin

* Agilent 11:31:35 May 1, 2002



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
Scale Type Log Lin

* Agilent 11:29:09 May 1, 2002



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

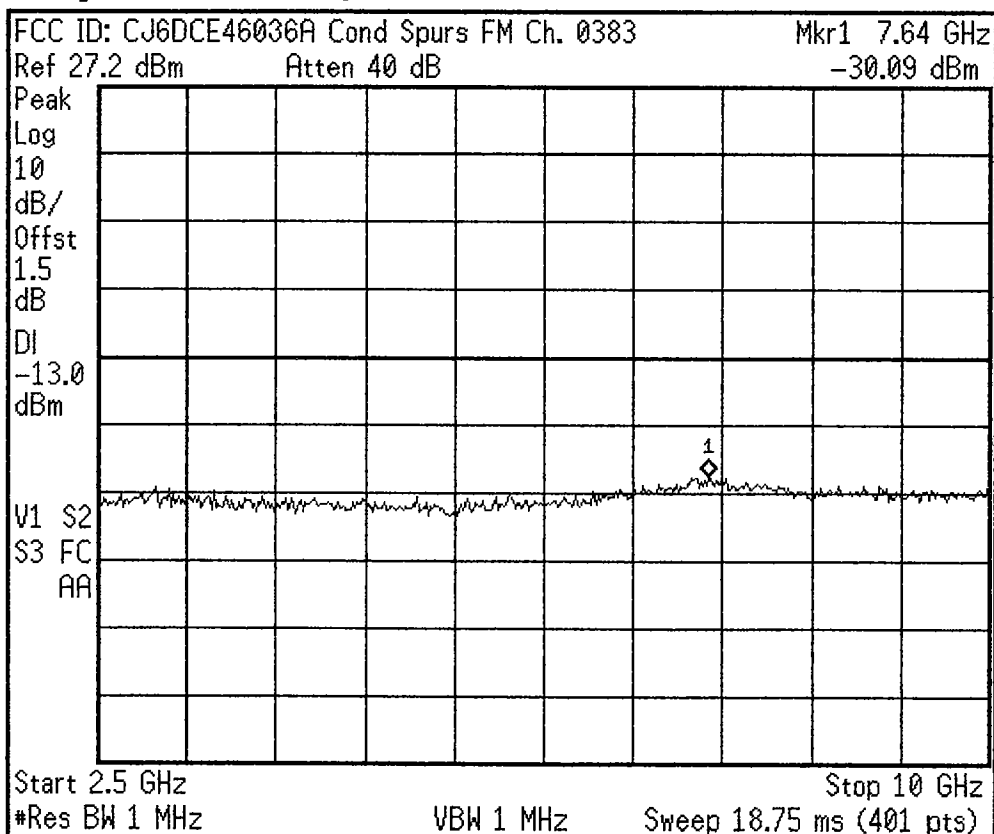
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:30:00 May 1, 2002



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 10.0000000 GHz

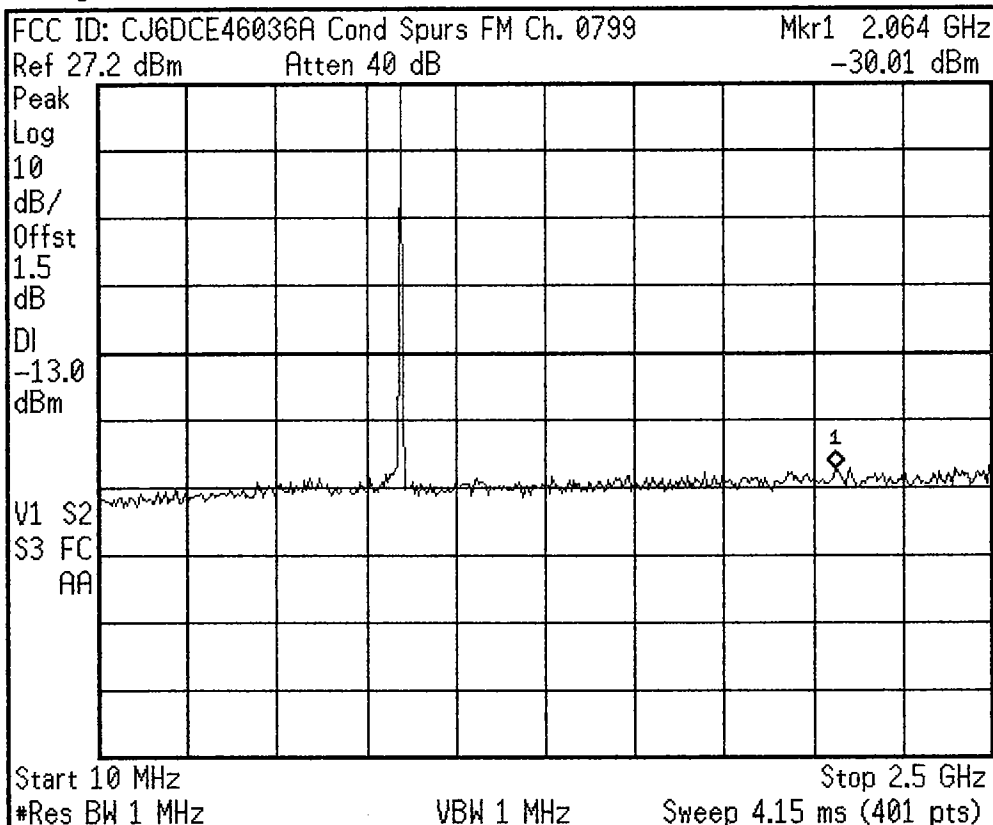
CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:32:28 May 1, 2002



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

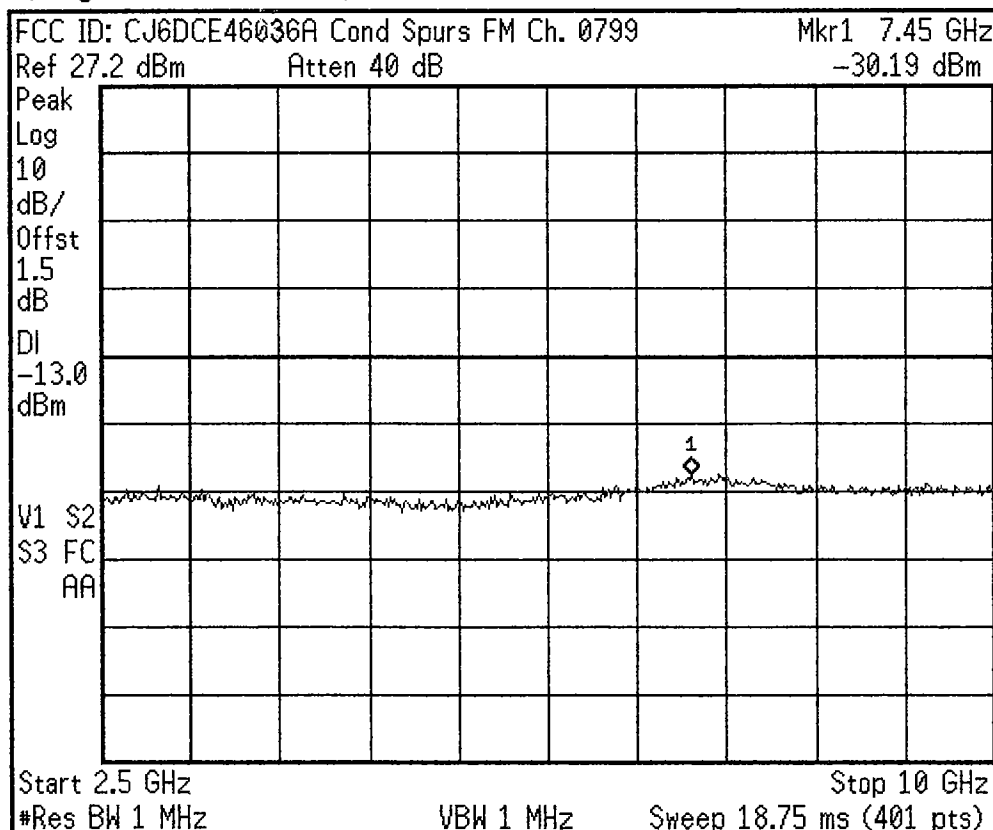
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:33:13 May 1, 2002



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 10.0000000 GHz

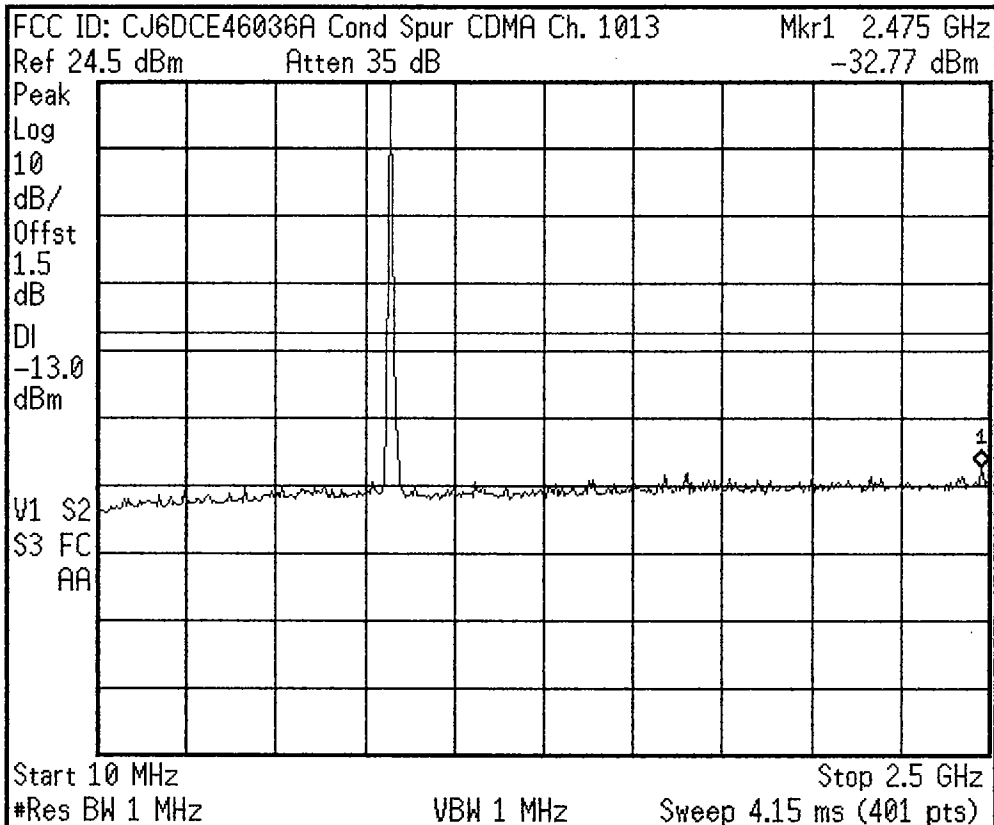
CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:35:35 May 1, 2002



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

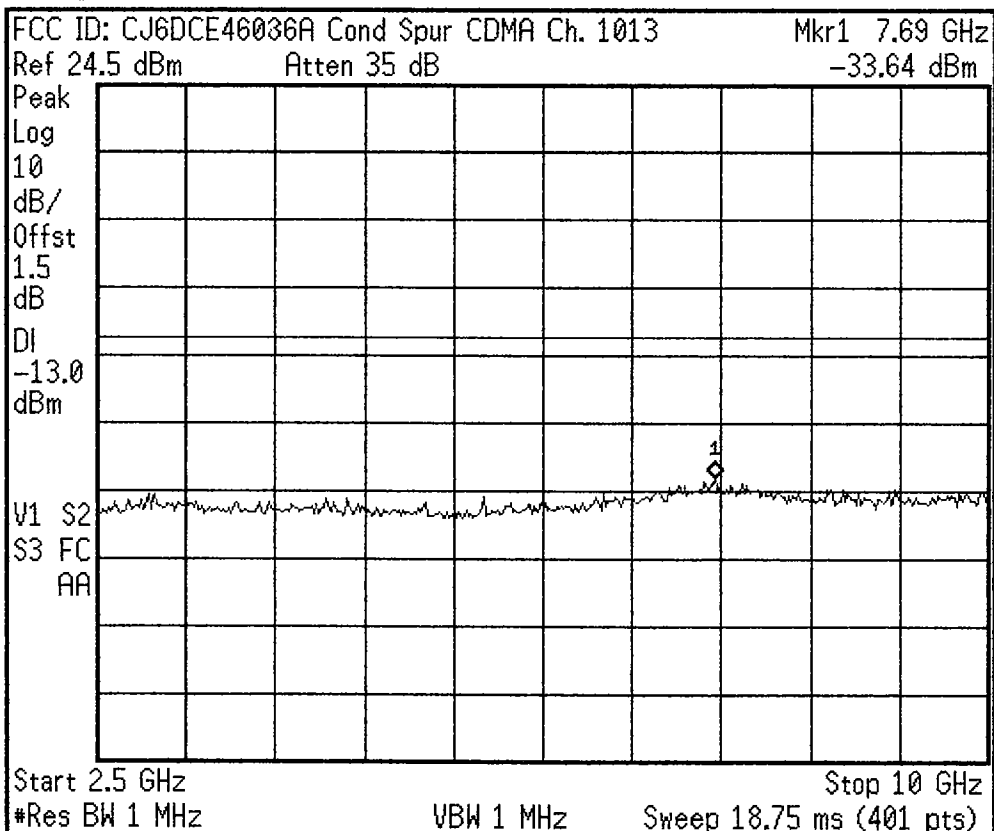
Signal Track

On Off

Scale Type

Log Lin

* Agilent 11:36:20 May 1, 2002



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

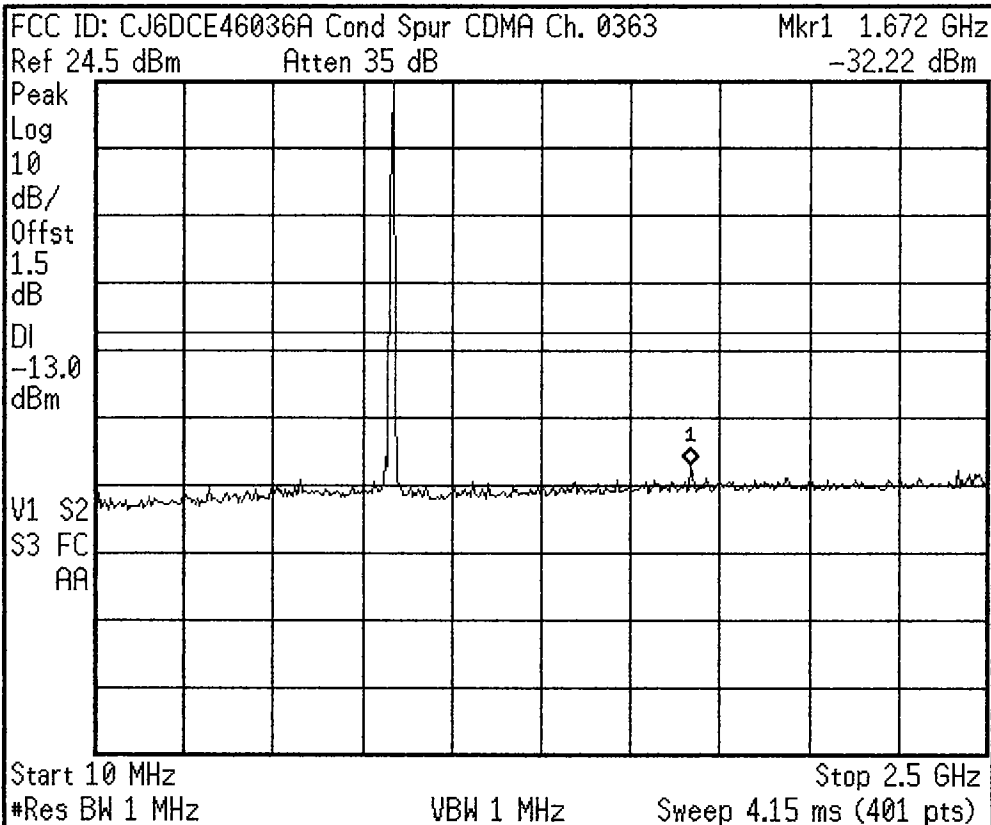
Signal Track

On Off

Scale Type

Log Lin

* Agilent 11:37:45 May 1, 2002



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

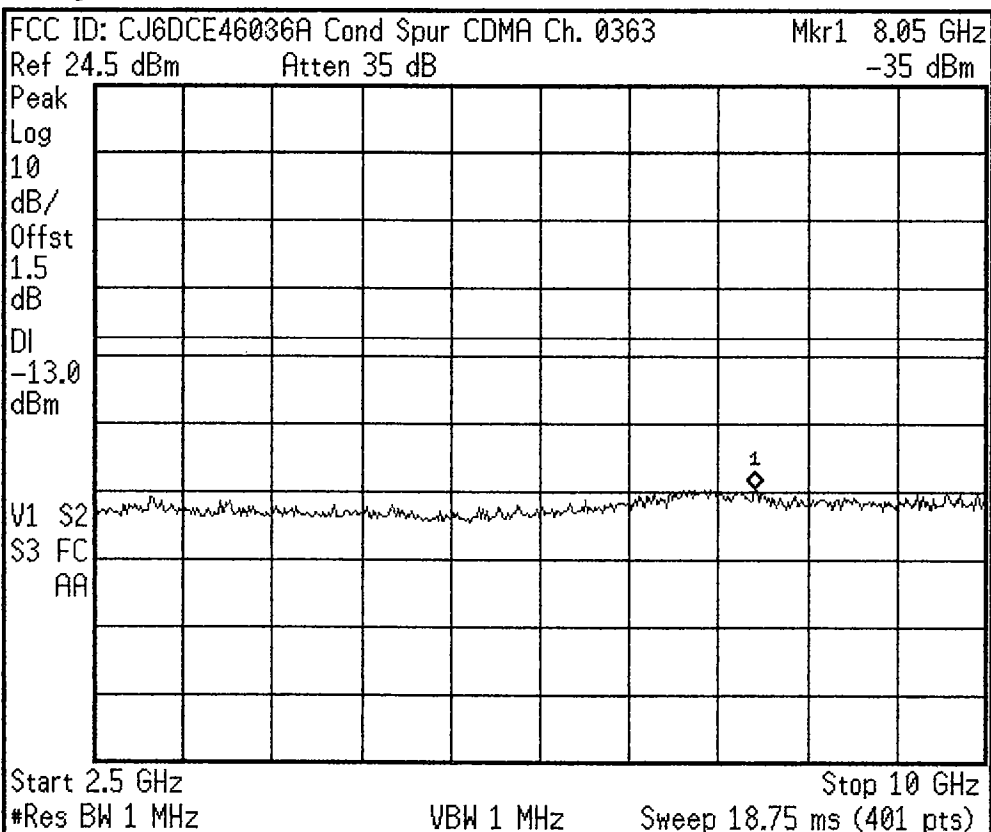
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:38:43 May 1, 2002



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 10.0000000 GHz

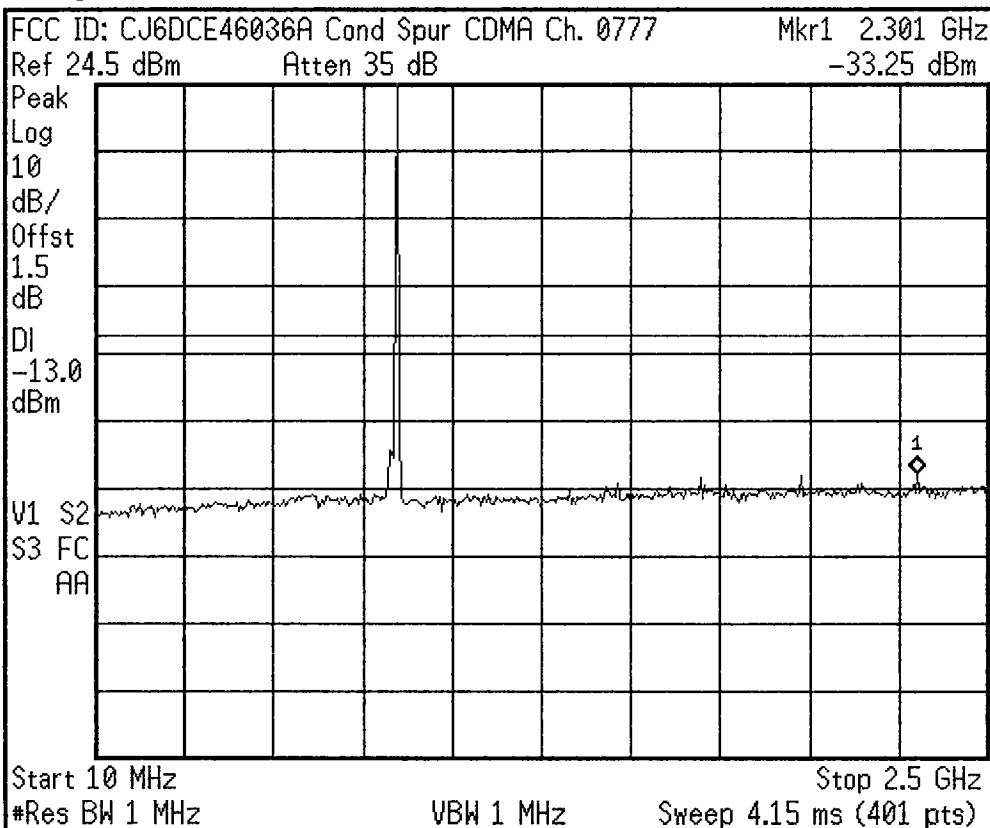
CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:40:06 May 1, 2002



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

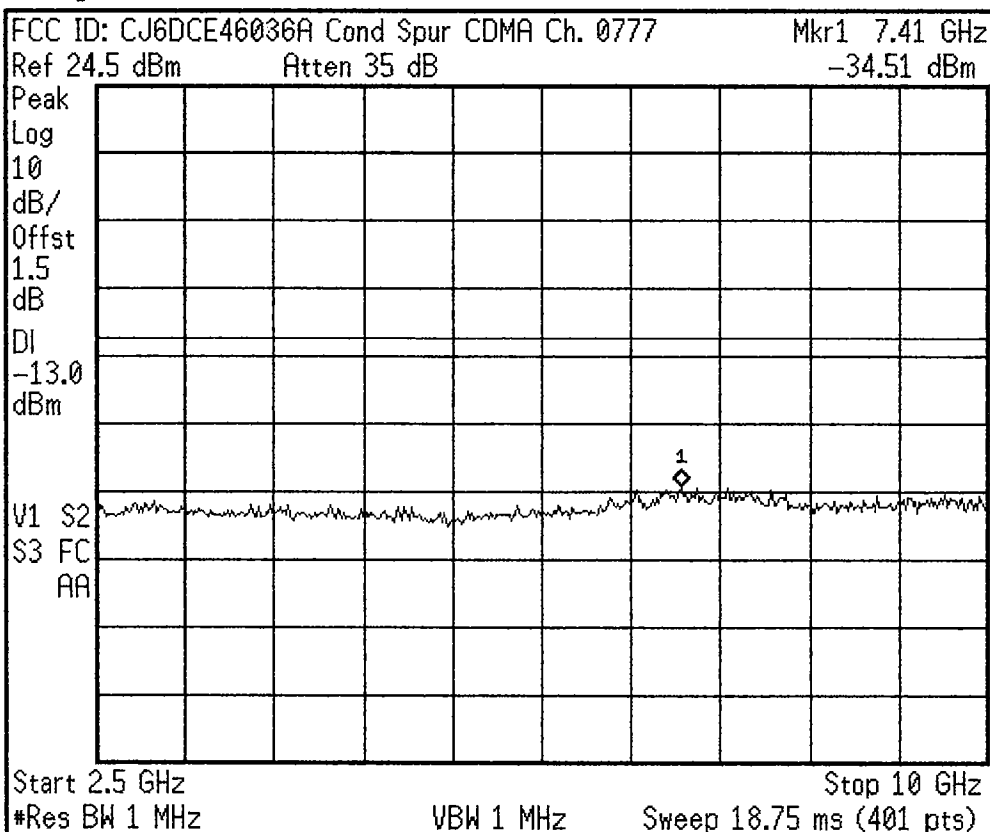
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:40:53 May 1, 2002



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

Scale Type
 Log Lin

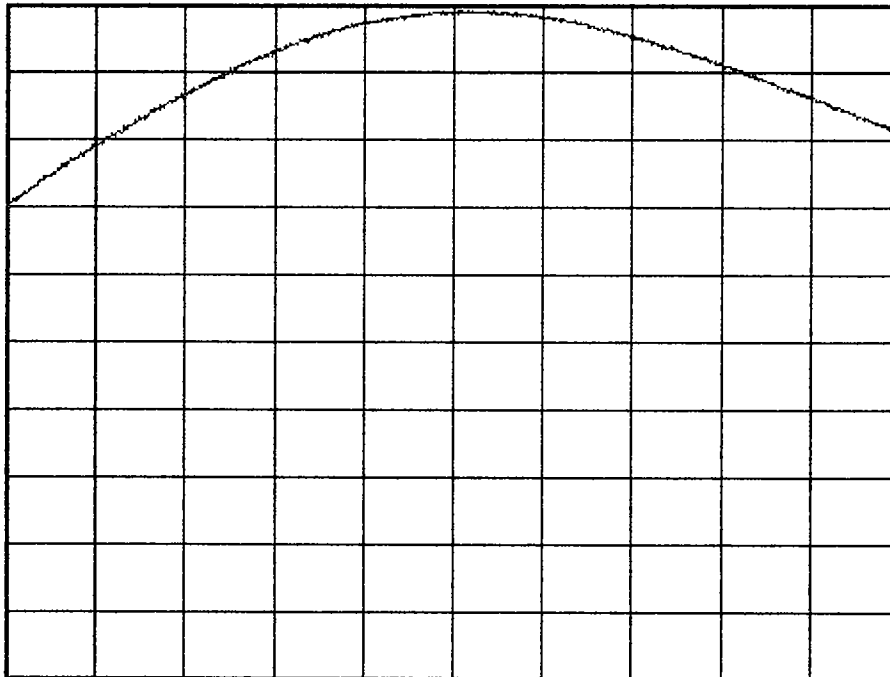
Agilent 07:55:28 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT CDMA Ch. 1013

Ref 24.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB

PAvg
100
V1 S2
S3 FC
AA



Center 824.7 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 9.98 ms (999 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

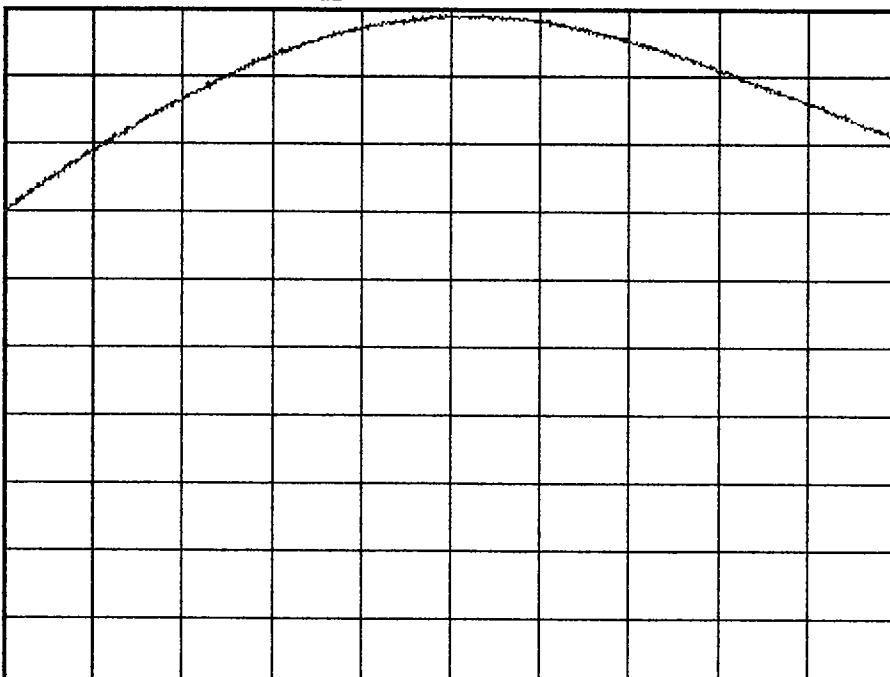
Agilent 08:00:43 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT CDMA Ch. 0777

Ref 24.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB

PAvg
100
V1 S2
S3 FC
AA



Center 848.3 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 9.98 ms (999 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

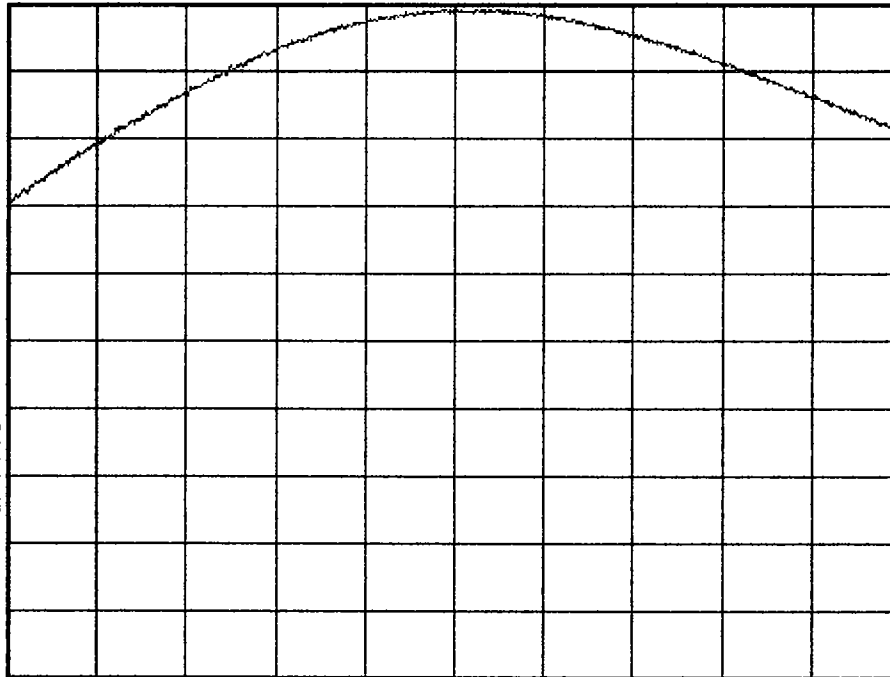
* Agilent 08:03:59 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT CDMA Ch. 0363

Ref 24.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB

PAvg
100
V1 S2
S3 FC
AA



Center 835.9 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 9.98 ms (999 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

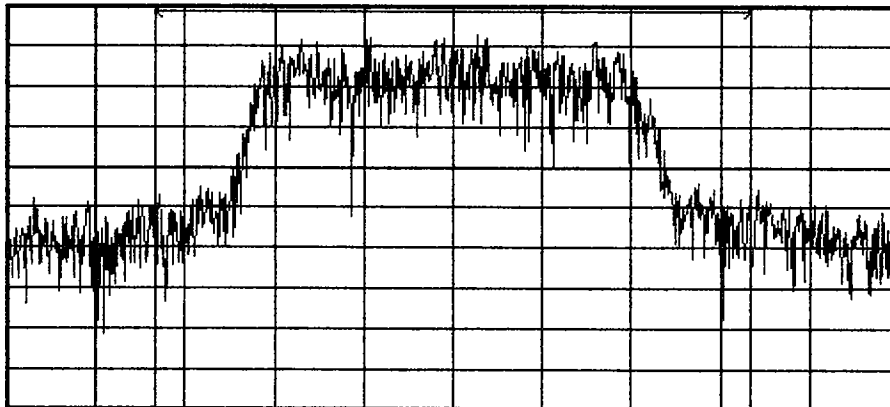
Off

* Agilent 08:10:15 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT CDMA Ch. 0363

Ref 24.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB



Center 835.9 MHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz
Sweep 9.98 ms (999 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

24.51 dBm

Integration BW

2.000 MHz

Density

-38.50 dBm/Hz

* Agilent 08:13:55 May 1, 2002

FCC ID: CJ6DCE46036A BAND EDGE CDMA Ch. 1013

Ref 24.5 dBm Atten 35 dB

Samp

Log

10

dB/

Offst

1.5

dB

DI

-13.0

dBm

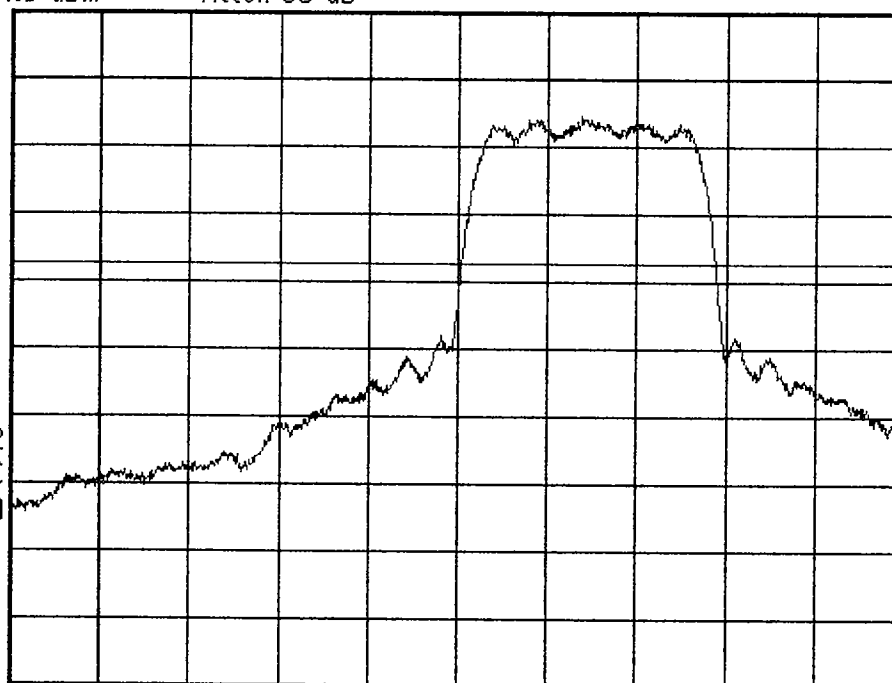
PAvg

100

V1 S2

S3 FC

AA



Center 824 MHz

Span 5 MHz

#Res BW 30 kHz

#VBW 30 kHz

Sweep 13.89 ms (999 pts)

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 08:18:59 May 1, 2002

FCC ID: CJ6DCE46036A BAND EDGE CDMA Ch. 0777

Ref 24.5 dBm Atten 35 dB

Samp

Log

10

dB/

Offst

1.5

dB

DI

-13.0

dBm

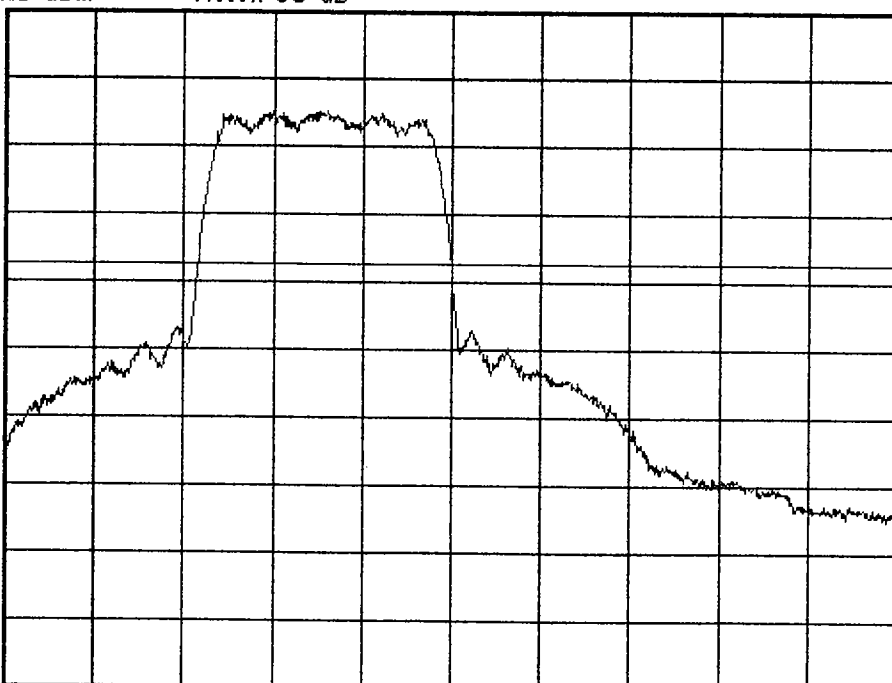
PAvg

100

V1 S2

S3 FC

AA



Center 849 MHz

Span 5 MHz

#Res BW 30 kHz

#VBW 30 kHz

Sweep 13.89 ms (999 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

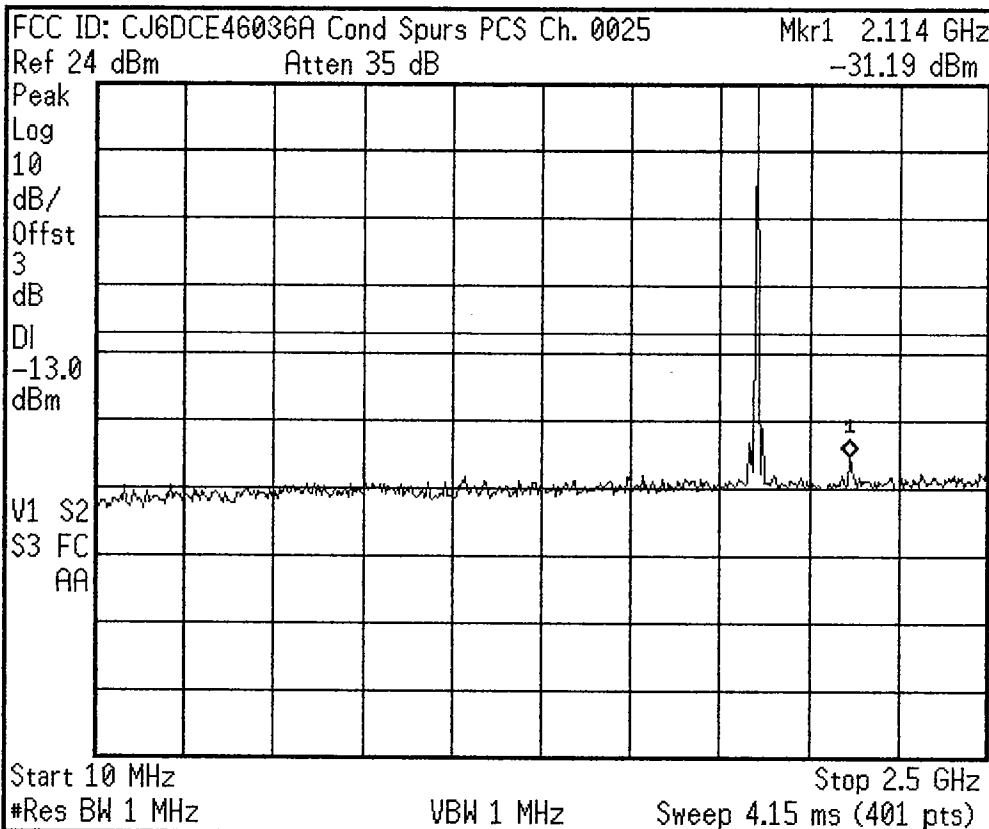
Freq Offset

0.00000000 Hz

Signal Track

On Off

* Agilent 11:43:41 May 1, 2002



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

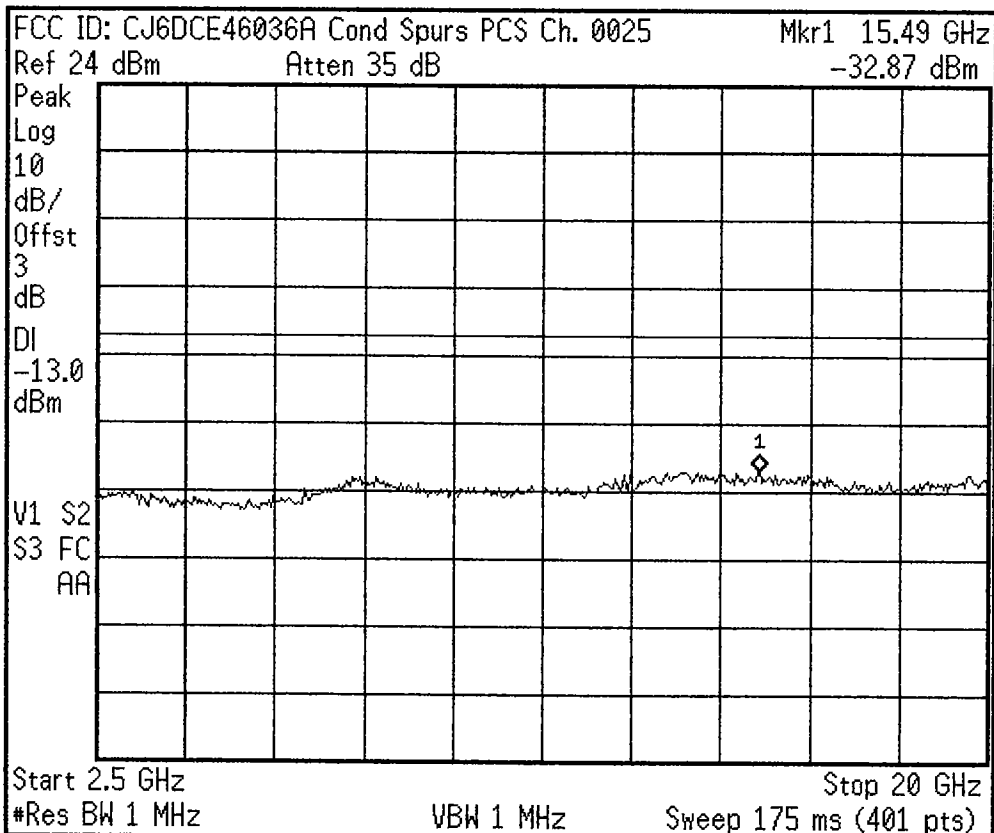
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:45:31 May 1, 2002



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 20.0000000 GHz

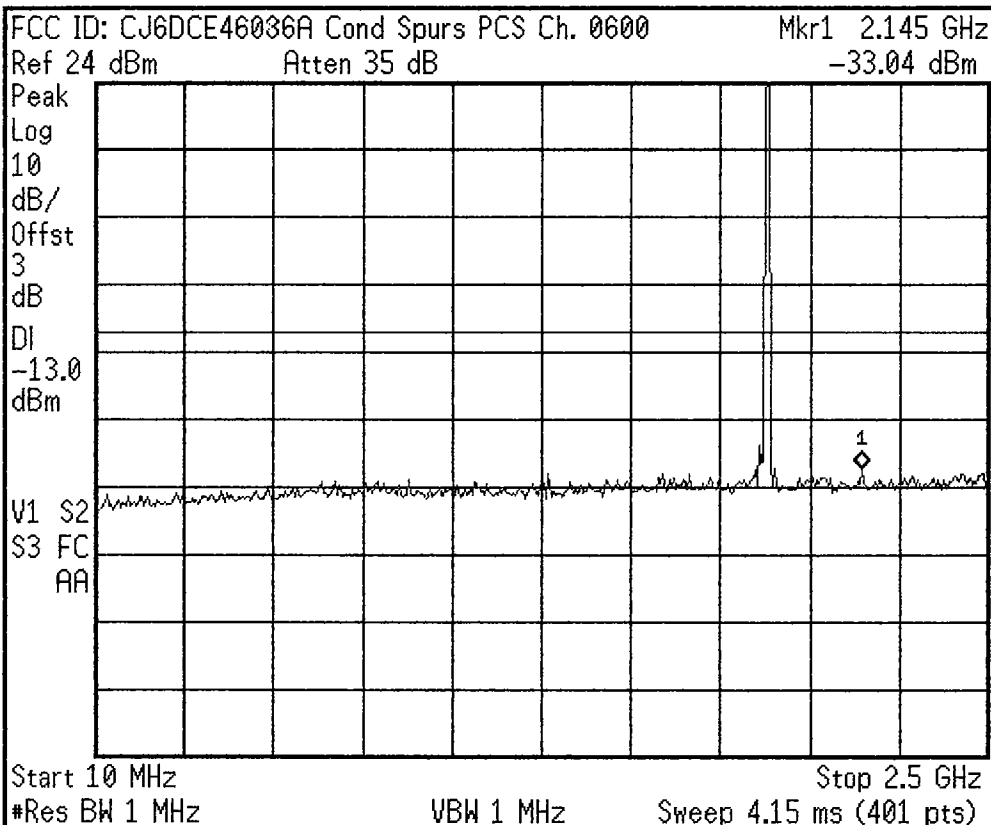
CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:47:58 May 1, 2002



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

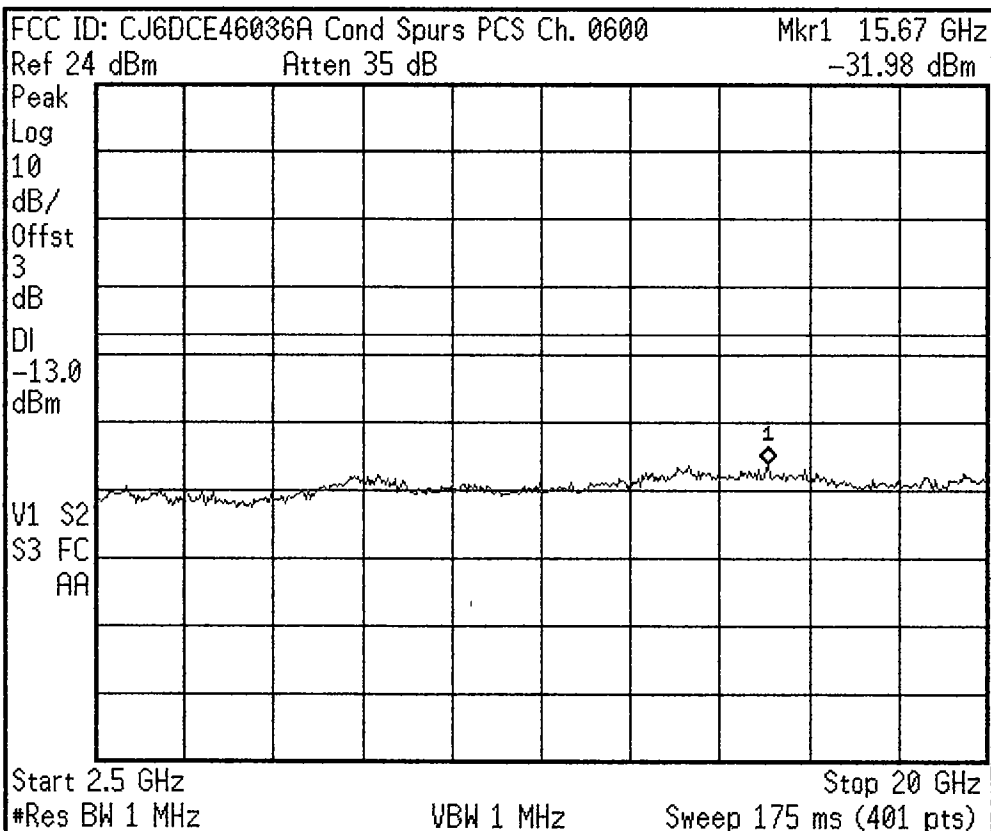
Signal Track

On Off

Scale Type

Log Lin

* Agilent 11:49:11 May 1, 2002



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

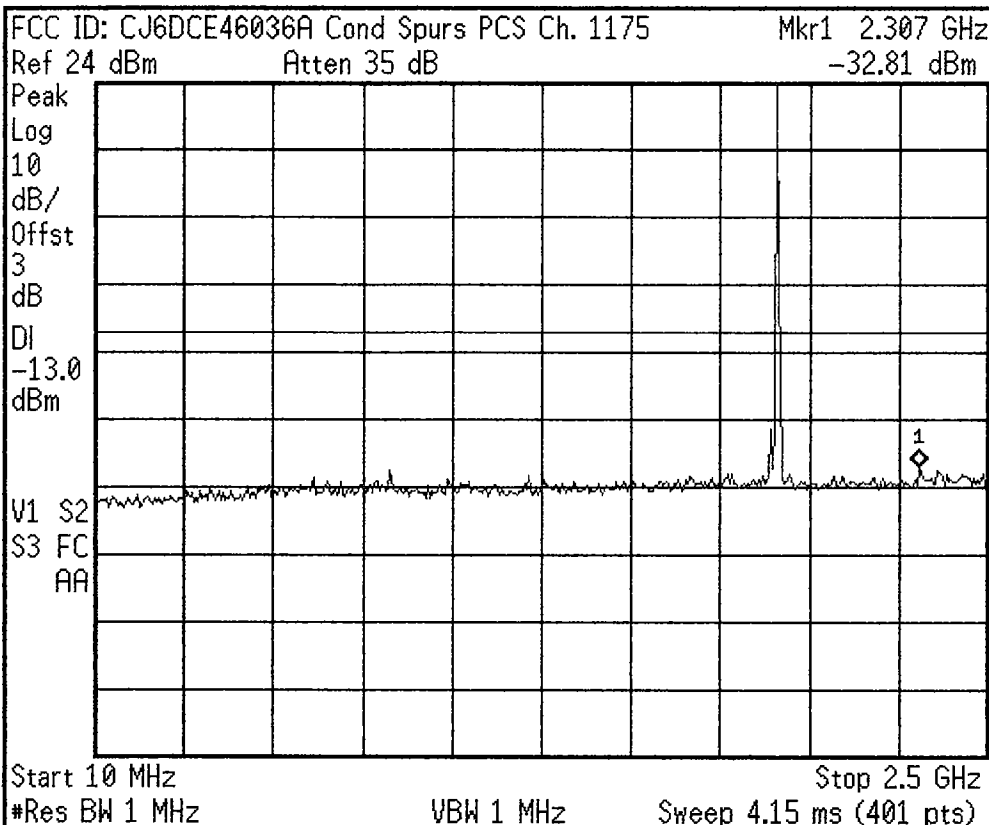
Signal Track

On Off

Scale Type

Log Lin

* Agilent 11:50:16 May 1, 2002



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

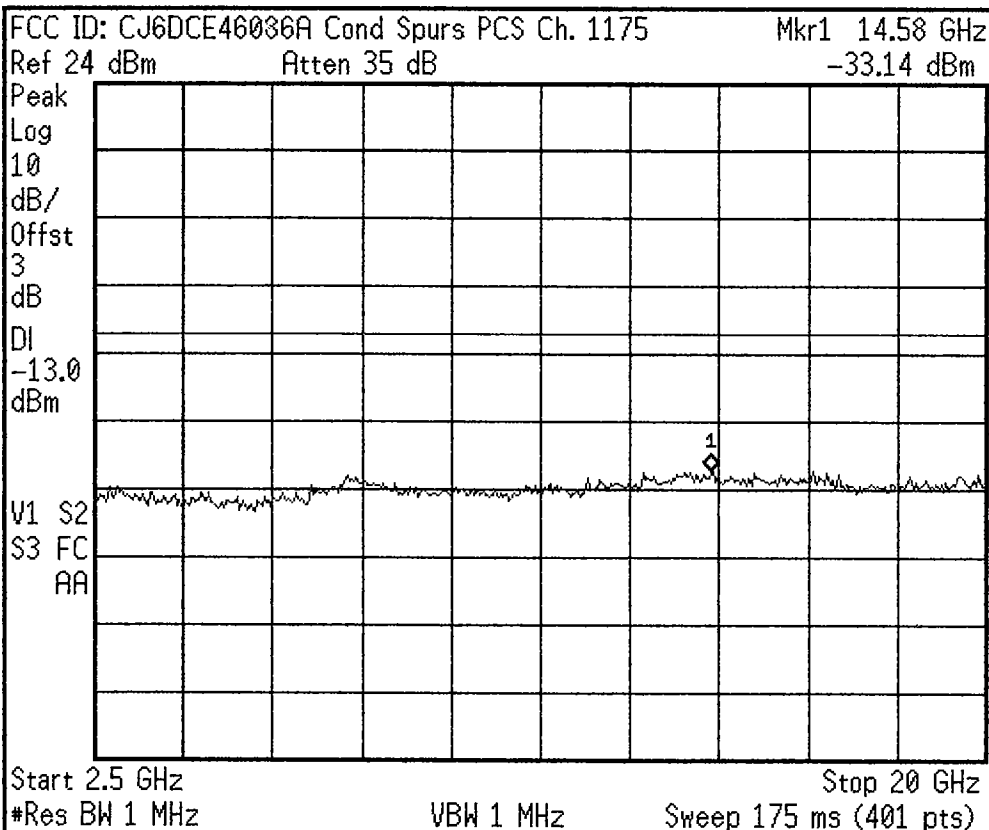
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent 11:50:55 May 1, 2002



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

Scale Type
 Log Lin

* Agilent 08:28:58 May 1, 2002

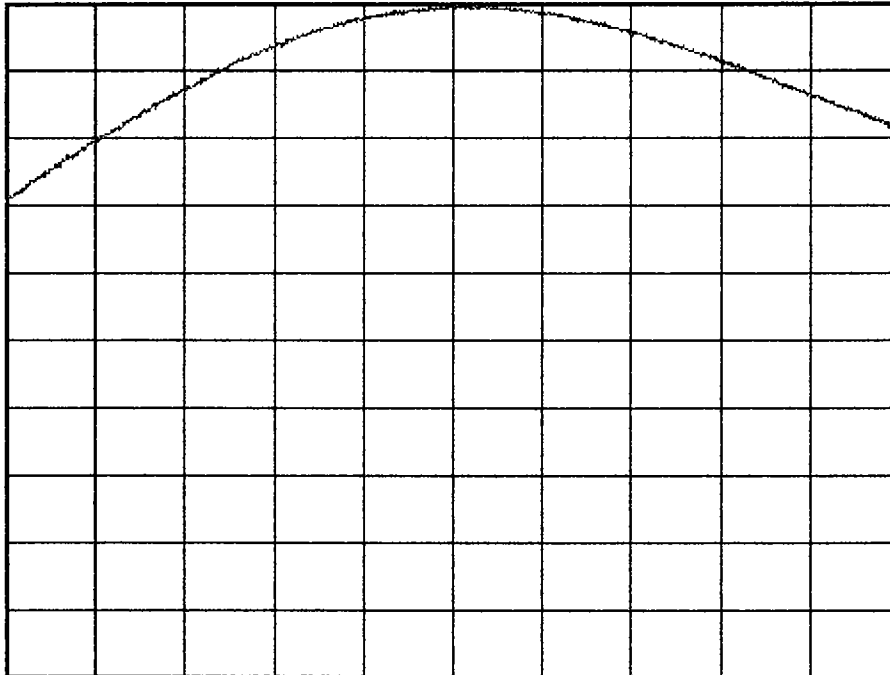
FCC ID: CJ6DCE46036A POWER OUT PCS Ch. 0600

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
3
dB

PAvg
100
V1 S2
S3 FC
AA



Center 1.88 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 9.98 ms (999 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 08:31:44 May 1, 2002

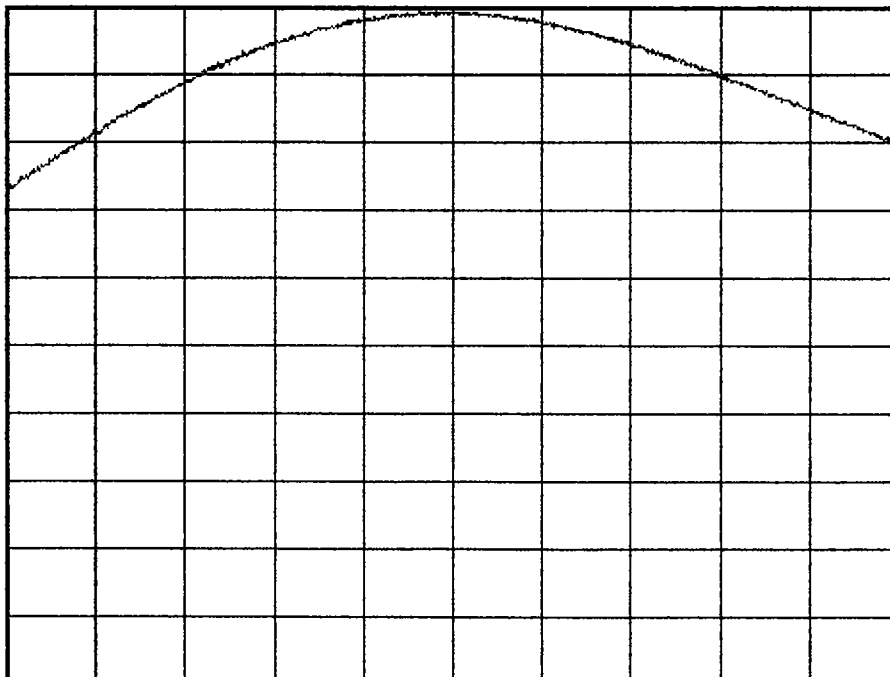
FCC ID: CJ6DCE46036A POWER OUT PCS Ch. 1175

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
3
dB

PAvg
100
V1 S2
S3 FC
AA



Center 1.909 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 9.98 ms (999 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 08:38:35 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT PCS Ch. 0025

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

3

dB

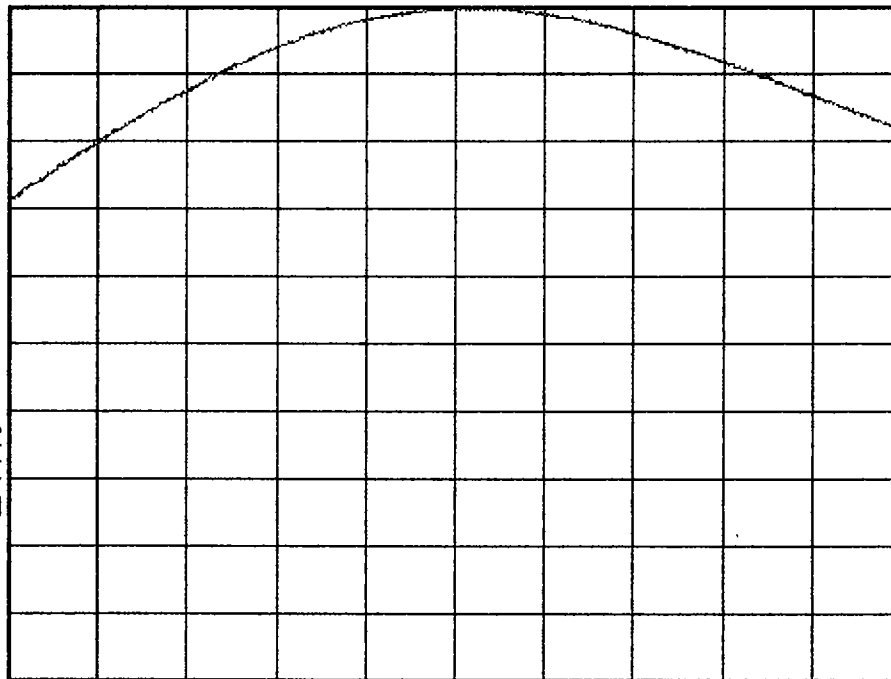
PAvg

100

V1 S2

S3 FC

AA



Center 1.851 GHz

Span 10 MHz

#Res BW 3 MHz

VBW 3 MHz

Sweep 9.98 ms (999 pts)

Freq/Channel

Center Freq

1.85125000 GHz

Start Freq

1.84625000 GHz

Stop Freq

1.85625000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

✱ Agilent 08:41:56 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT PCS Ch. 0025

Ref 24 dBm

Atten 35 dB

Samp

Log

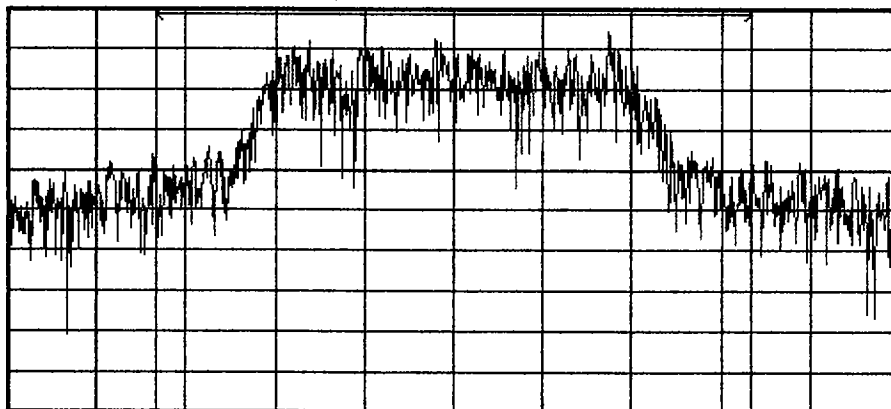
10

dB/

Offst

3

dB



Center 1.851 GHz

Span 3 MHz

#Res BW 30 kHz

#VBW 300 kHz

Sweep 9.98 ms (999 pts)

Freq/Channel

Center Freq

1.85125000 GHz

Start Freq

1.84975000 GHz

Stop Freq

1.85275000 GHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Channel Power Results (idle)

Channel Power

24.01 dBm

Integration BW

2.000 MHz

Density

-39.00 dBm/Hz

* Agilent 08:43:43 May 1, 2002

FCC ID: CJ6DCE46036A POWER OUT PCS Ch. 0600

Ref 24 dBm

Atten 35 dB

Samp

Log

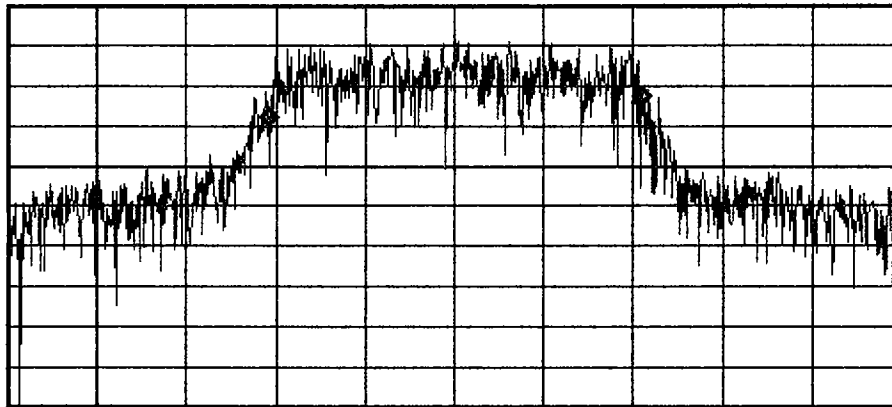
10

dB/

Offst

3

dB



Center 1.88 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.98 ms (999 pts)

Occupied Bandwidth Results (idle)

Occupied Bandwidth

Occ BW % Pwr 99.00 %

1.252 MHz

Transmit Freq Error 1.238 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 08:50:05 May 1, 2002

FCC ID: CJ6DCE46036A BAND EDGE PCS Ch. 1175

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

3

dB

DI

-13.0

dBm

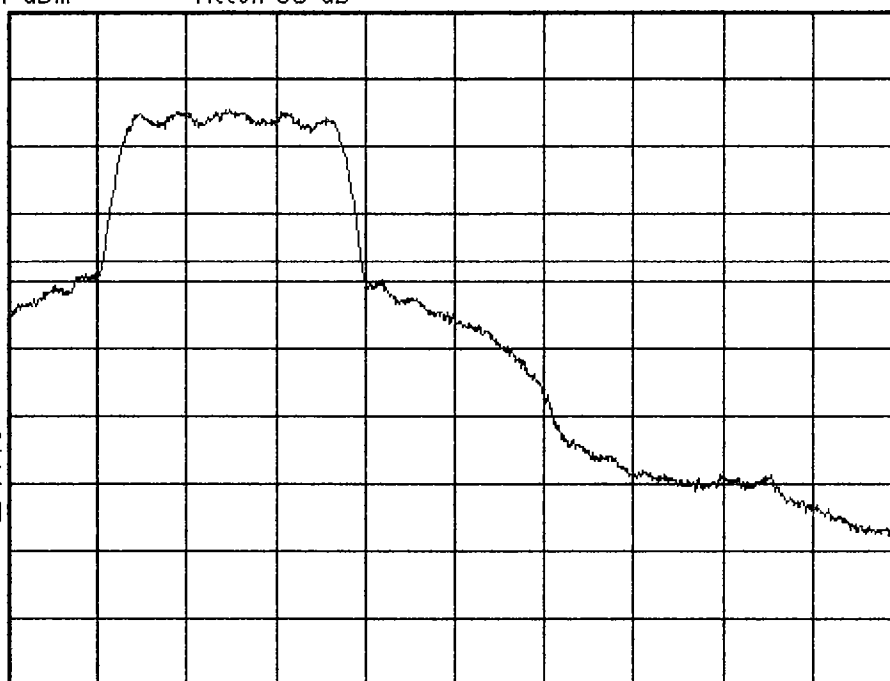
PAvg

100

V1 S2

S3 FC

AA



Center 1.91 GHz

Span 5 MHz

*Res BW 30 kHz

*VBW 30 kHz

Sweep 13.89 ms (999 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 09:07:11 May 1, 2002

FCC ID: CJ6DCE46036A BAND EDGE PCS Ch. 0025

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

3

dB

DI

-13.0

dBm

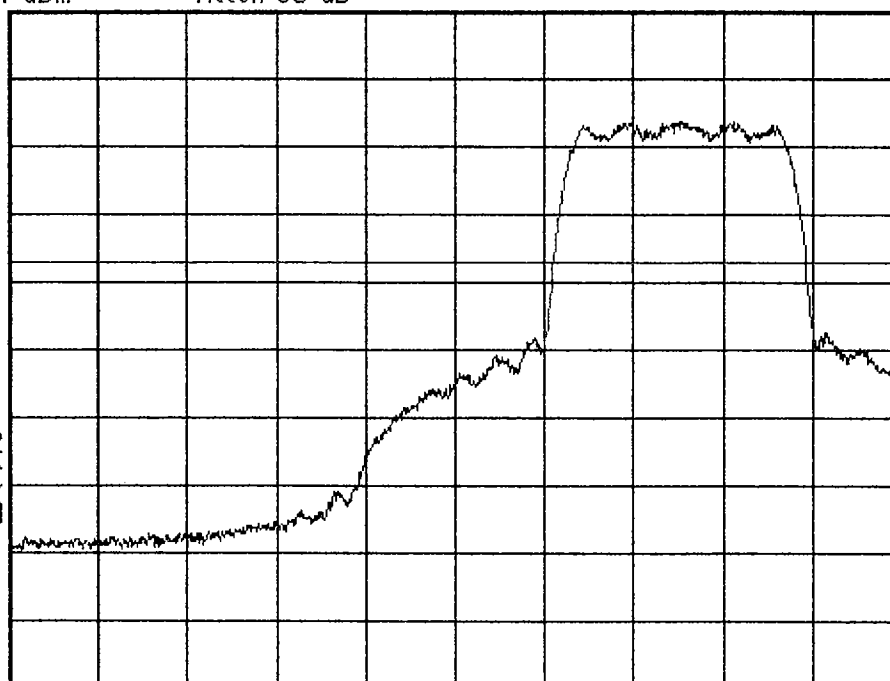
PAvg

100

V1 S2

S3 FC

AA



Center 1.85 GHz

Span 5 MHz

*Res BW 30 kHz

*VBW 30 kHz

Sweep 13.89 ms (999 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

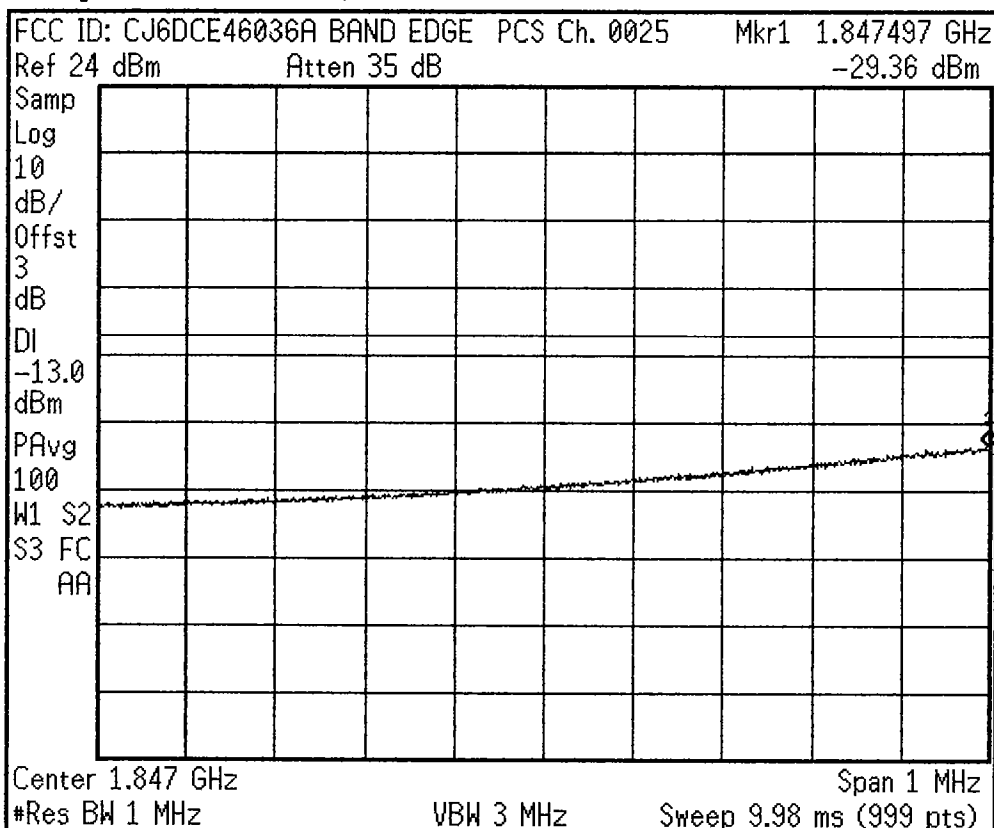
0.00000000 Hz

Signal Track

On

Off

* Agilent 09:10:22 May 1, 2002



Freq/Channel

Center Freq
1.84700000 GHz

Start Freq
1.84650000 GHz

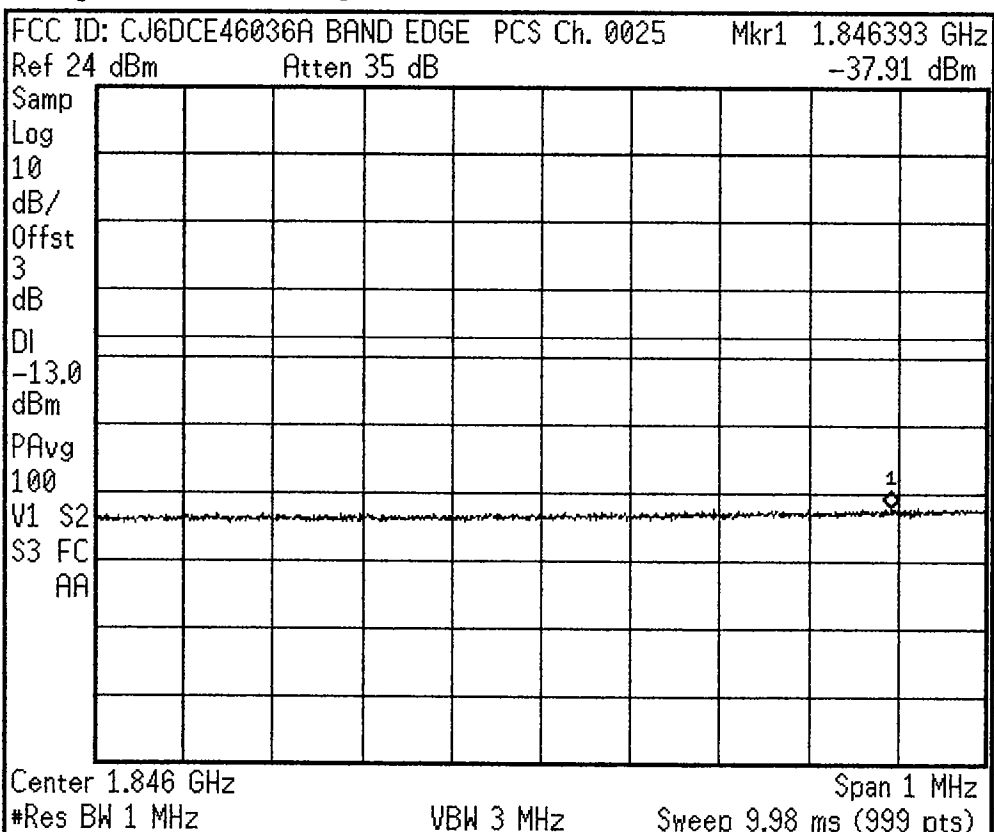
Stop Freq
1.84750000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 09:13:34 May 1, 2002



Freq/Channel

Center Freq
1.84600000 GHz

Start Freq
1.84550000 GHz

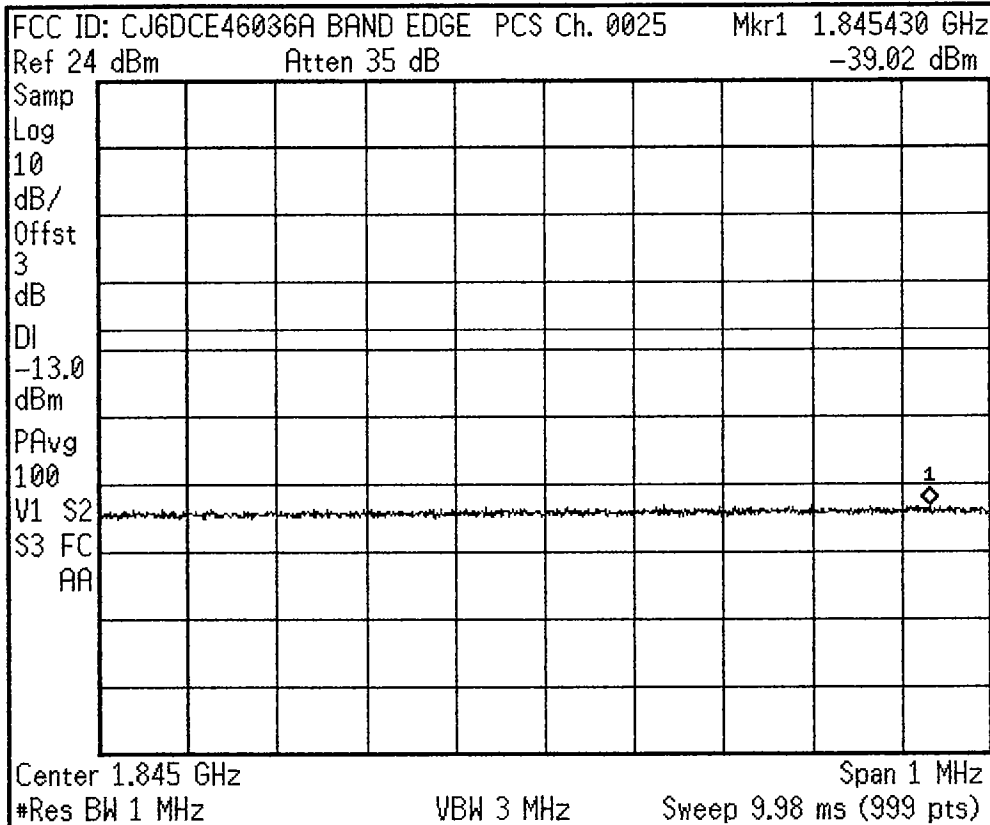
Stop Freq
1.84650000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

✱ Agilent 09:15:46 May 1, 2002



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

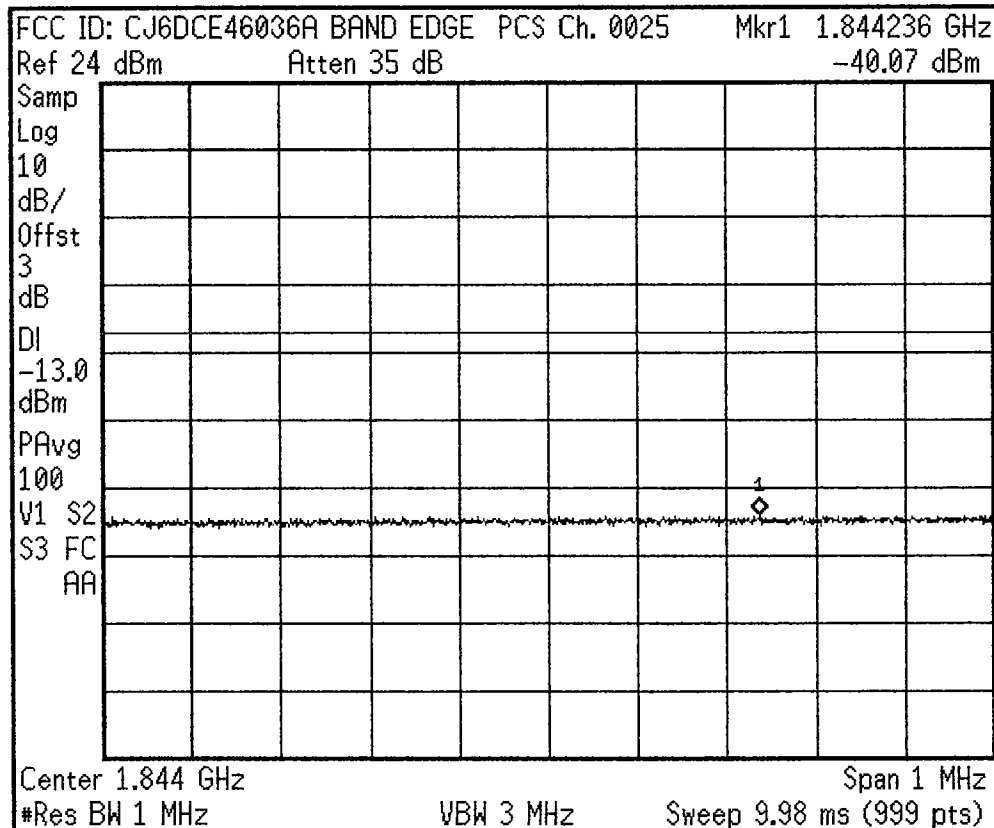
Stop Freq
 1.84550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

✱ Agilent 09:18:06 May 1, 2002



Freq/Channel

Center Freq
 1.84400000 GHz

Start Freq
 1.84350000 GHz

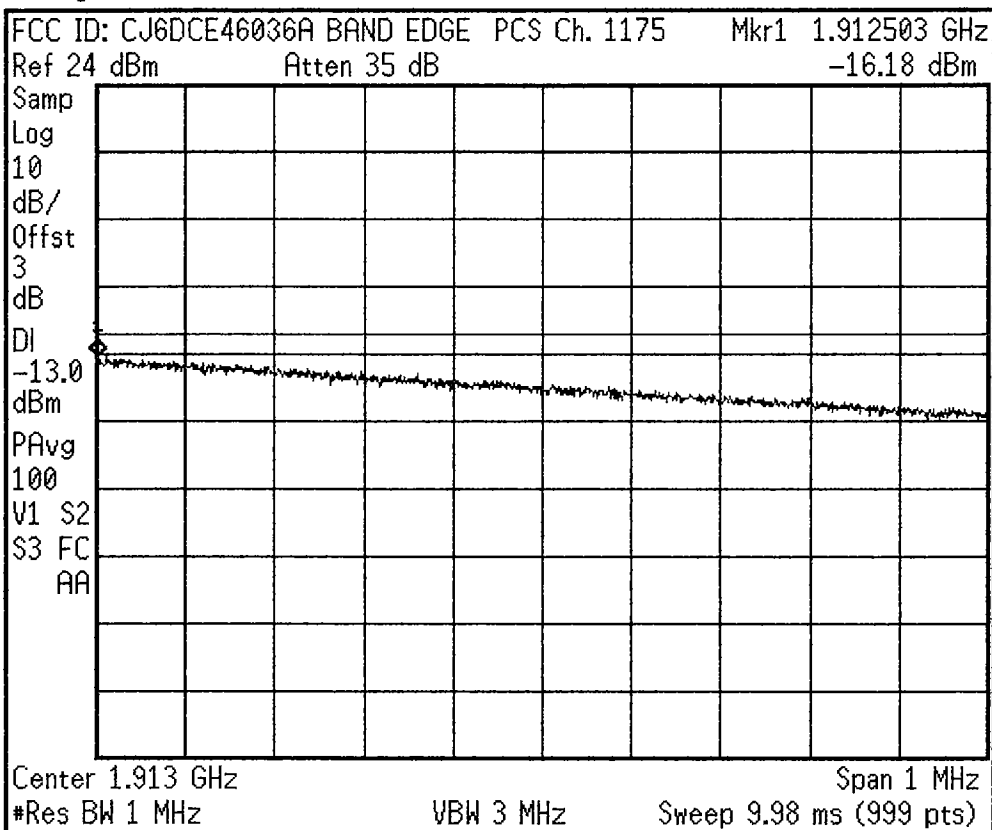
Stop Freq
 1.84450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 09:19:22 May 1, 2002



Freq/Channel

Center Freq
 1.91300000 GHz

Start Freq
 1.91250000 GHz

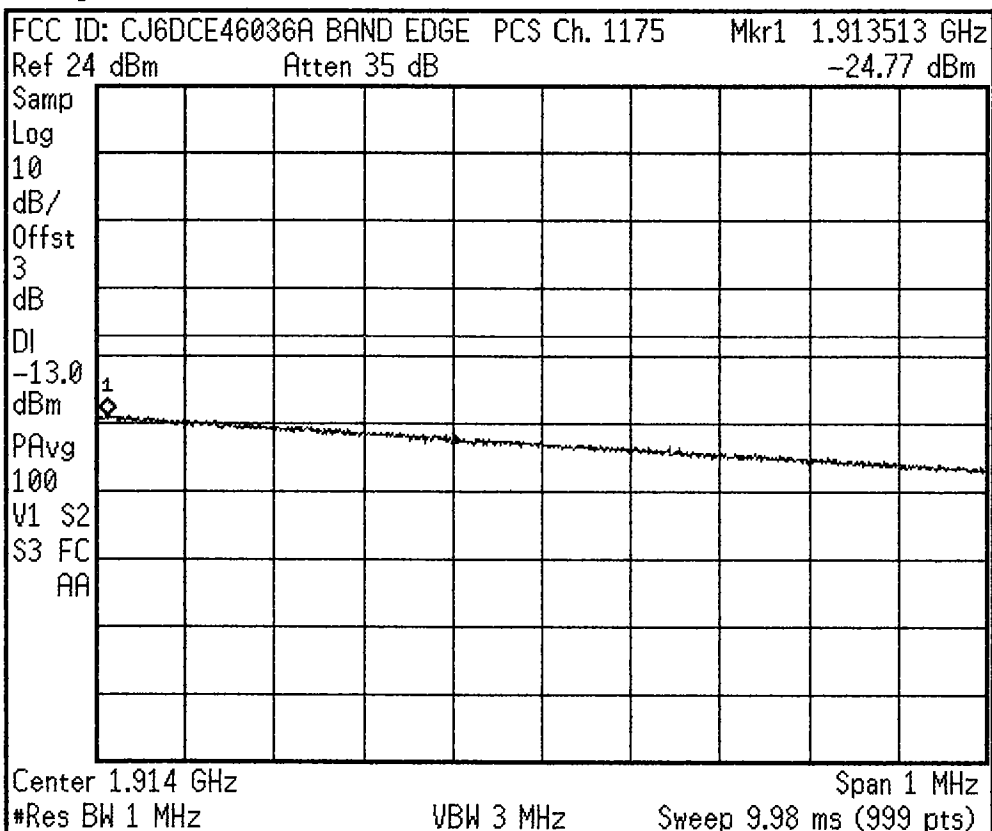
Stop Freq
 1.91350000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 09:21:58 May 1, 2002



Freq/Channel

Center Freq
 1.91400000 GHz

Start Freq
 1.91350000 GHz

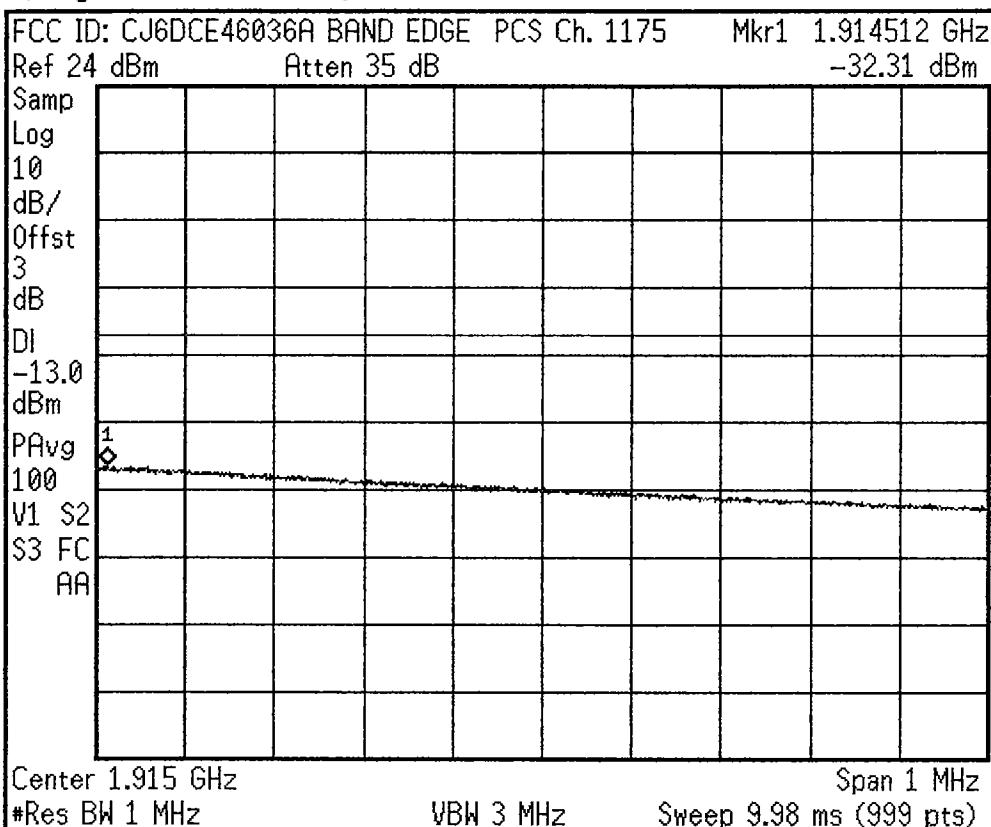
Stop Freq
 1.91450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

✱ Agilent 09:25:12 May 1, 2002



Freq/Channel

Center Freq
 1.91500000 GHz

Start Freq
 1.91450000 GHz

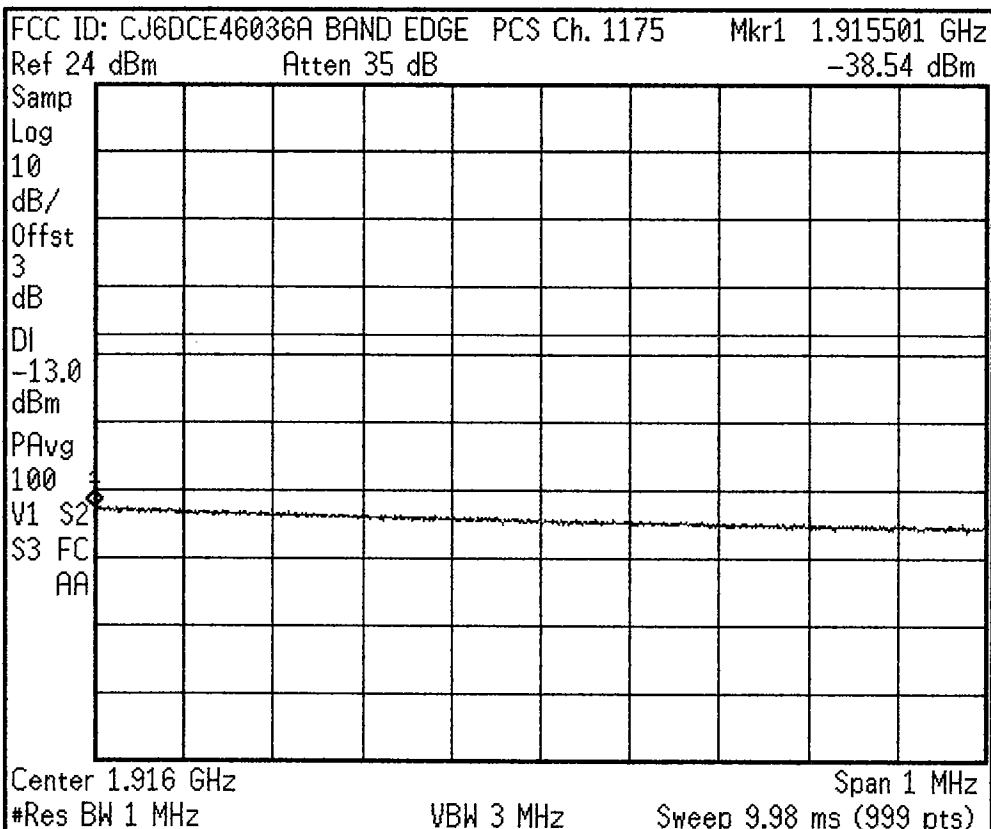
Stop Freq
 1.91550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

✱ Agilent 09:27:38 May 1, 2002



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

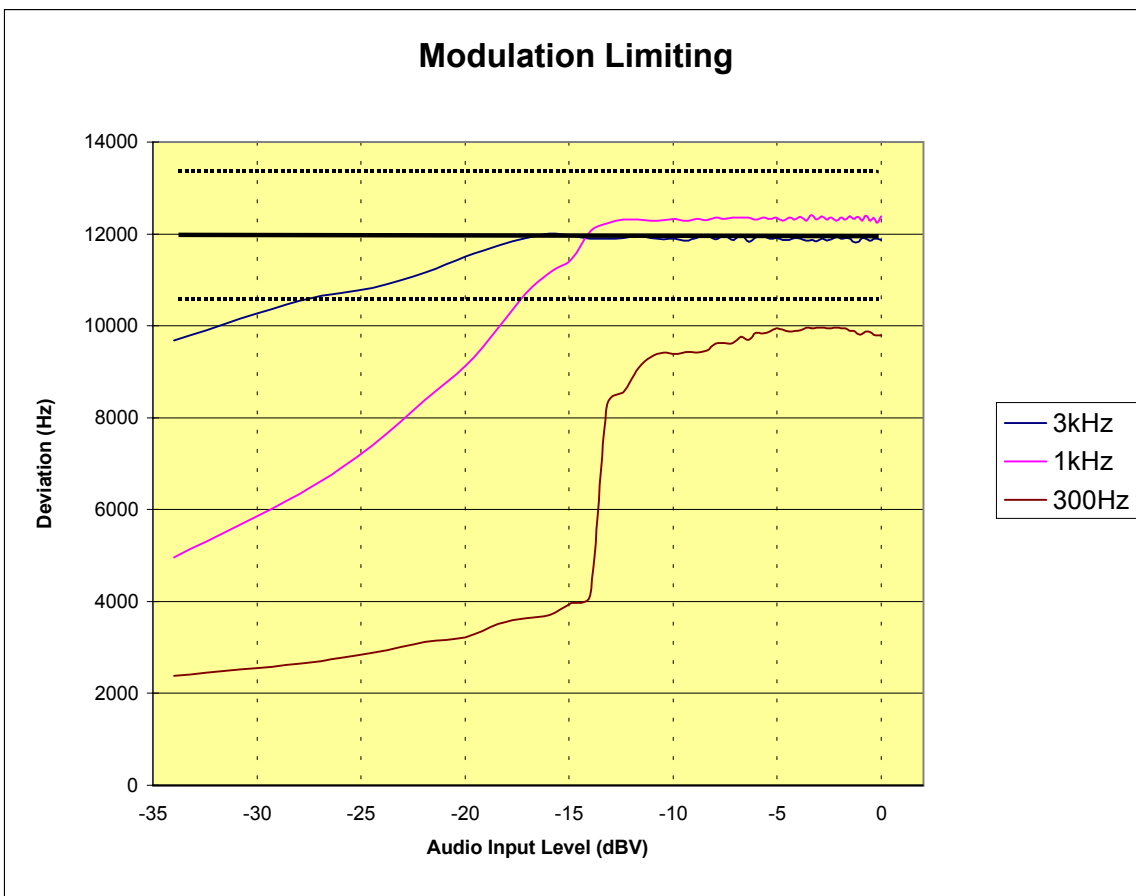
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.220423186.CJ6
Test Date: 04. 23. 2002

EUT: TOSHIBA Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: CDM-9500
FCC ID: CJ6DCE46036A

REFERENCE: 1 kHz = 0 dB



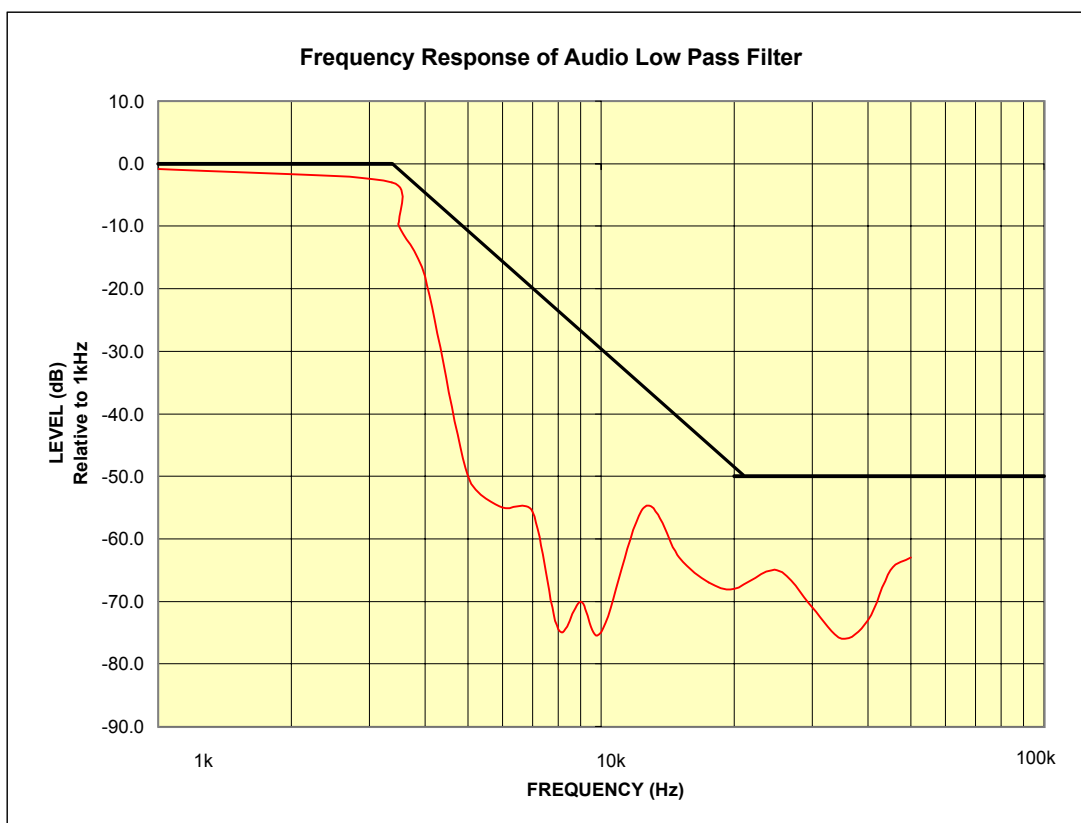
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.220423186.CJ6
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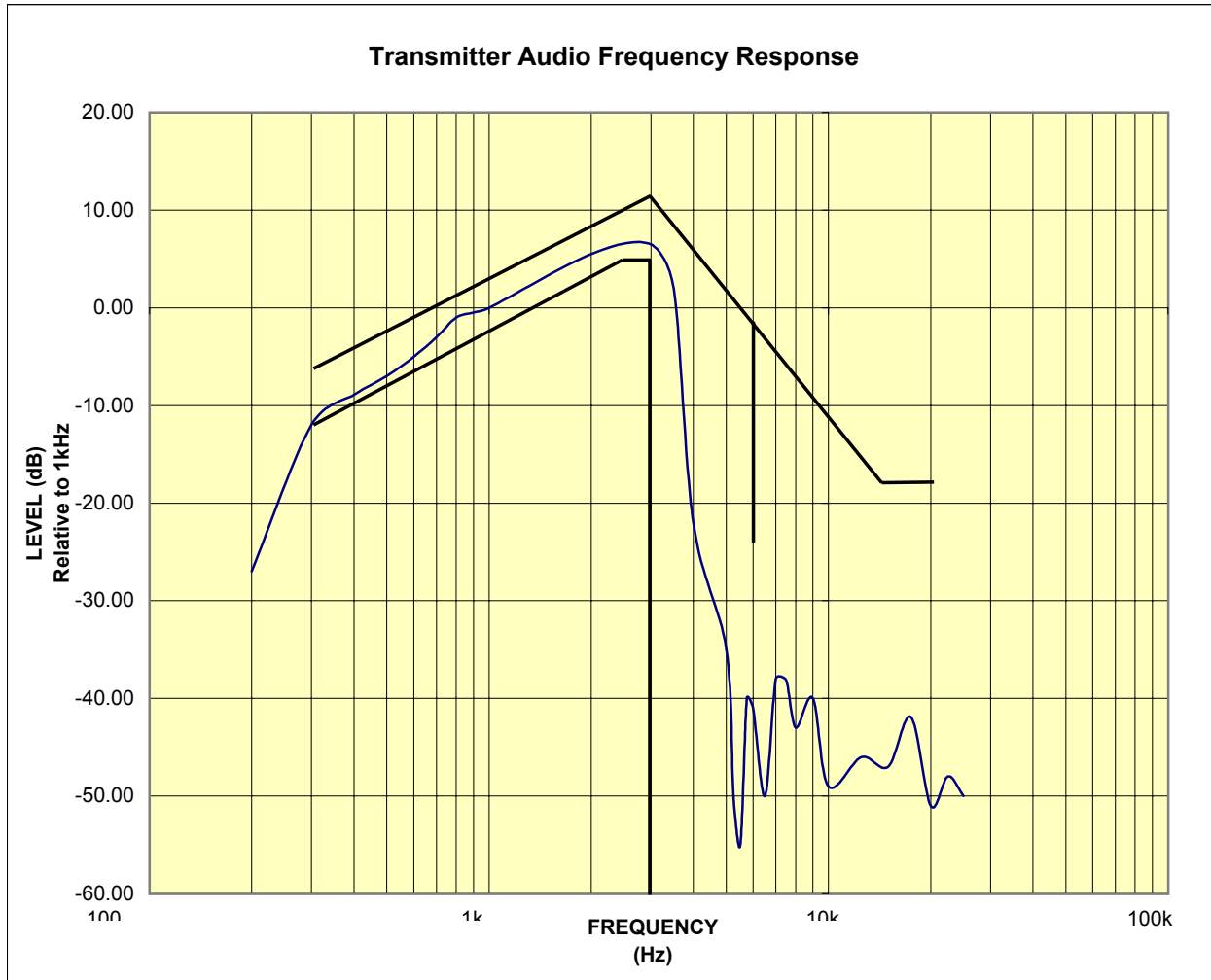
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.220423186.CJ6
Test Date: 04. 23. 2002

EUT: TOSHIBA Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: CDM-9500
FCC ID: CJ6DCE46036A

REFERENCE: 1 kHz = 0 dB



TOSHIBA Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
FCC ID: CJ6DCE46036A