

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

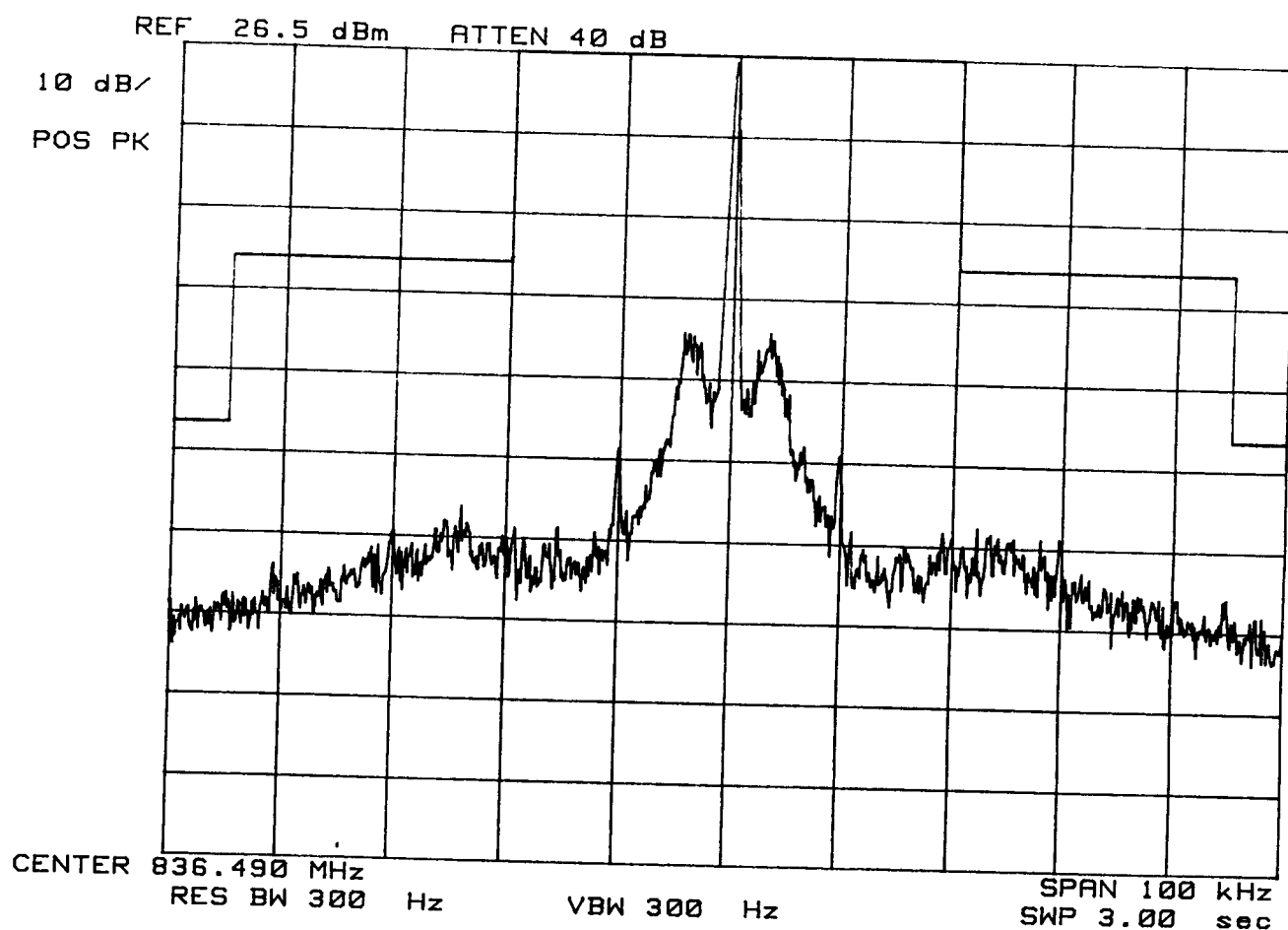
TRI-MODE PHONE (# 3)

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

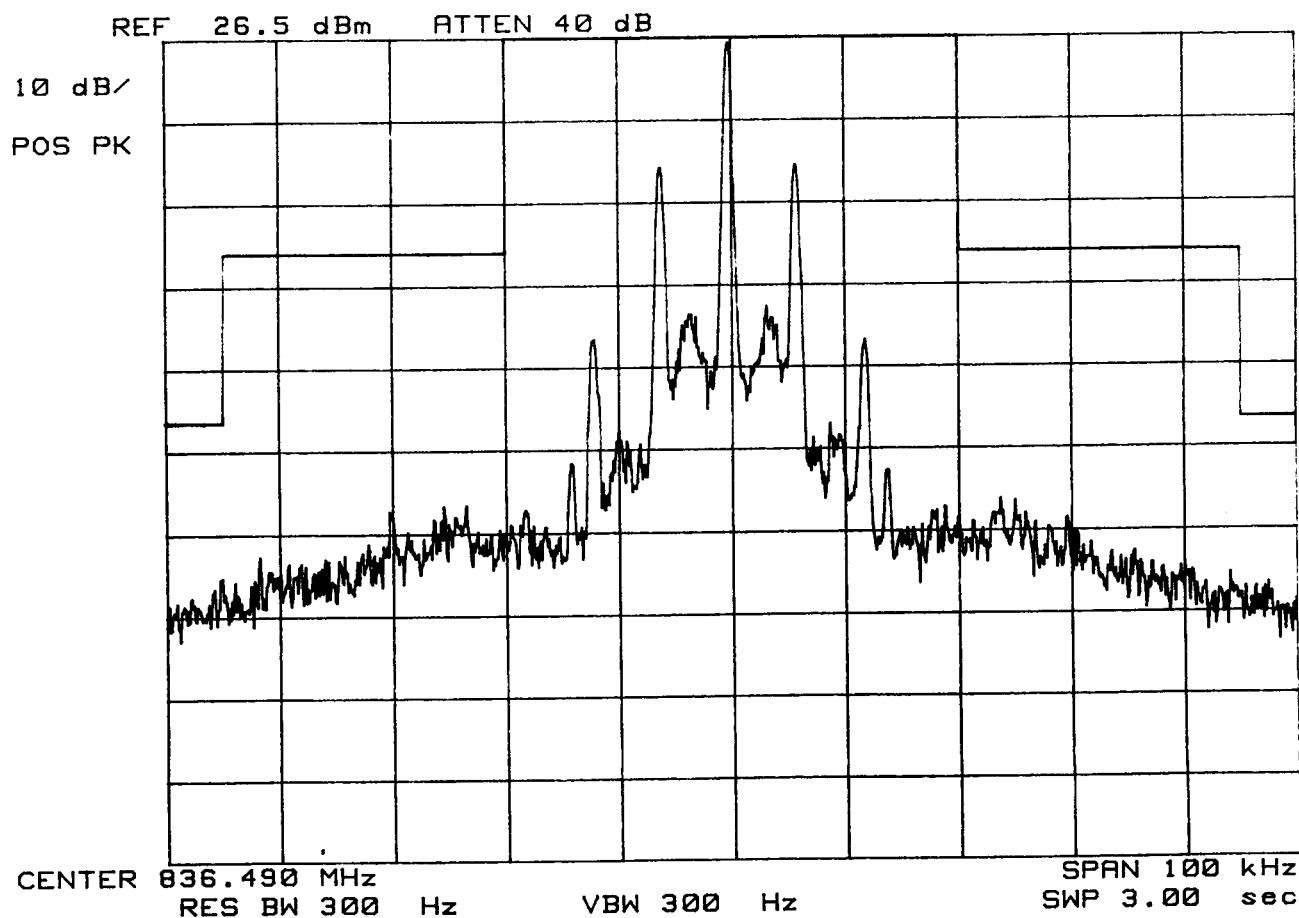
TRI-MODE PHONE (# 3)

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

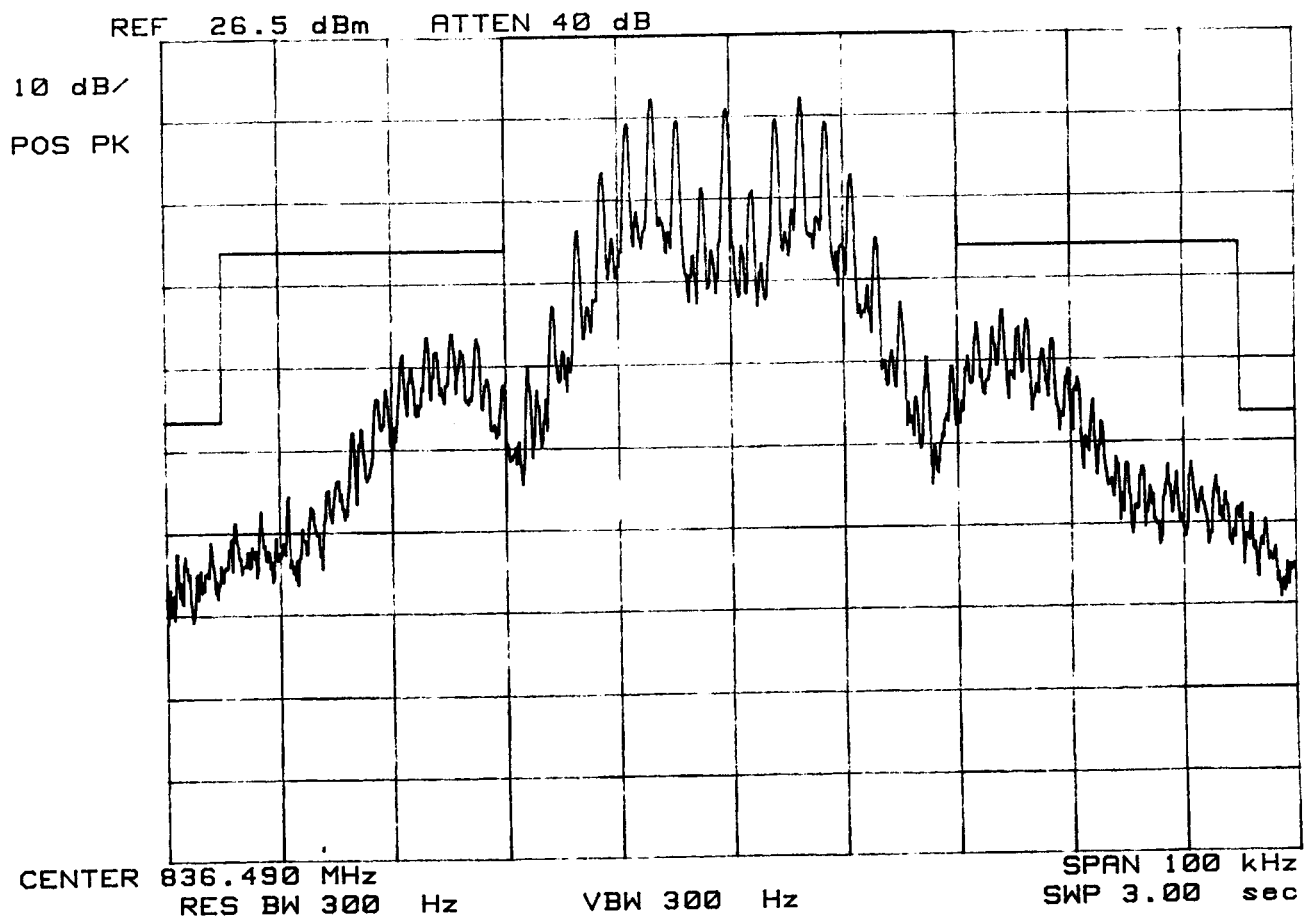
TRI-MODE PHONE (# 3)

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

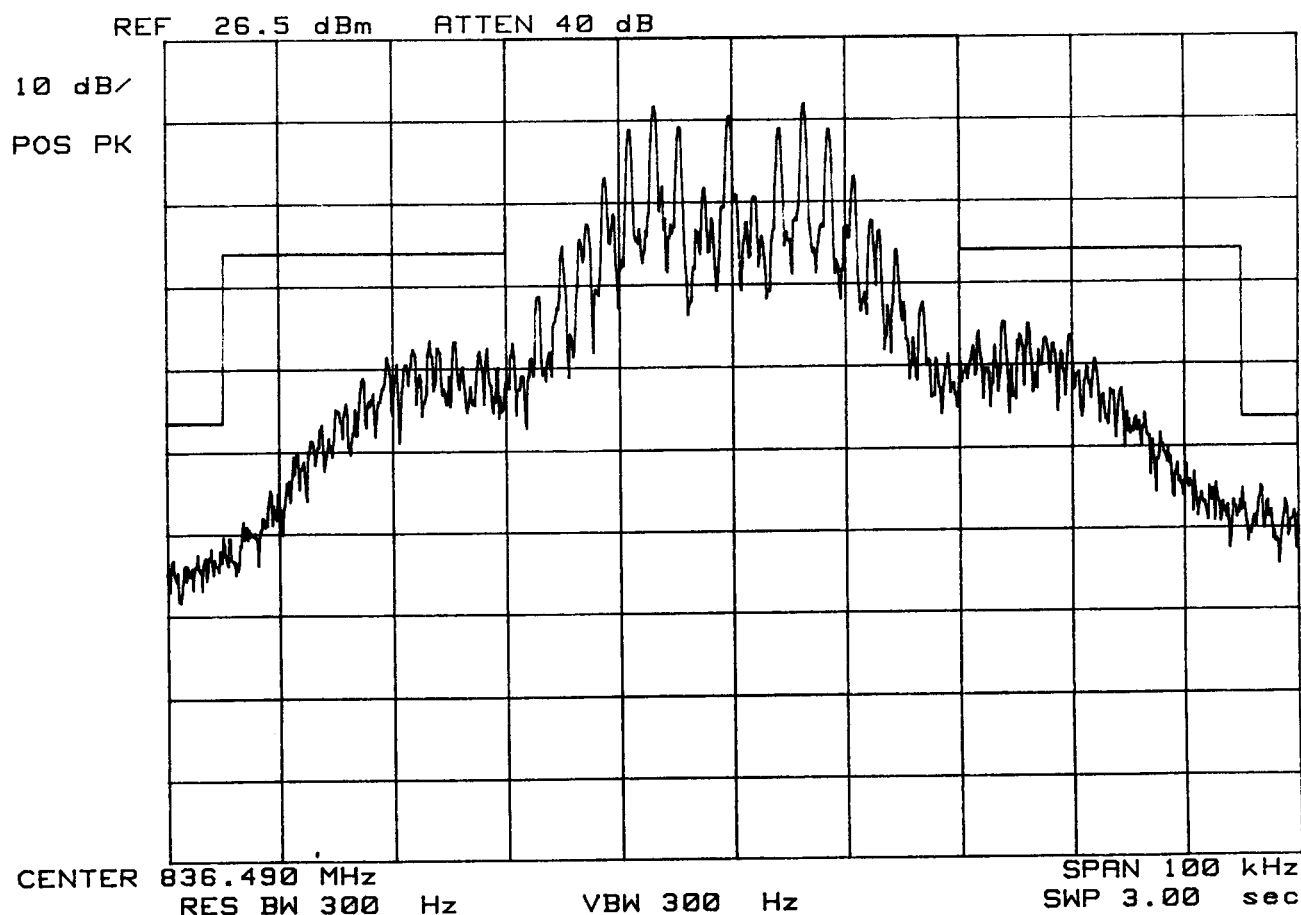
TRI-MODE PHONE (# 3)

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT + Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

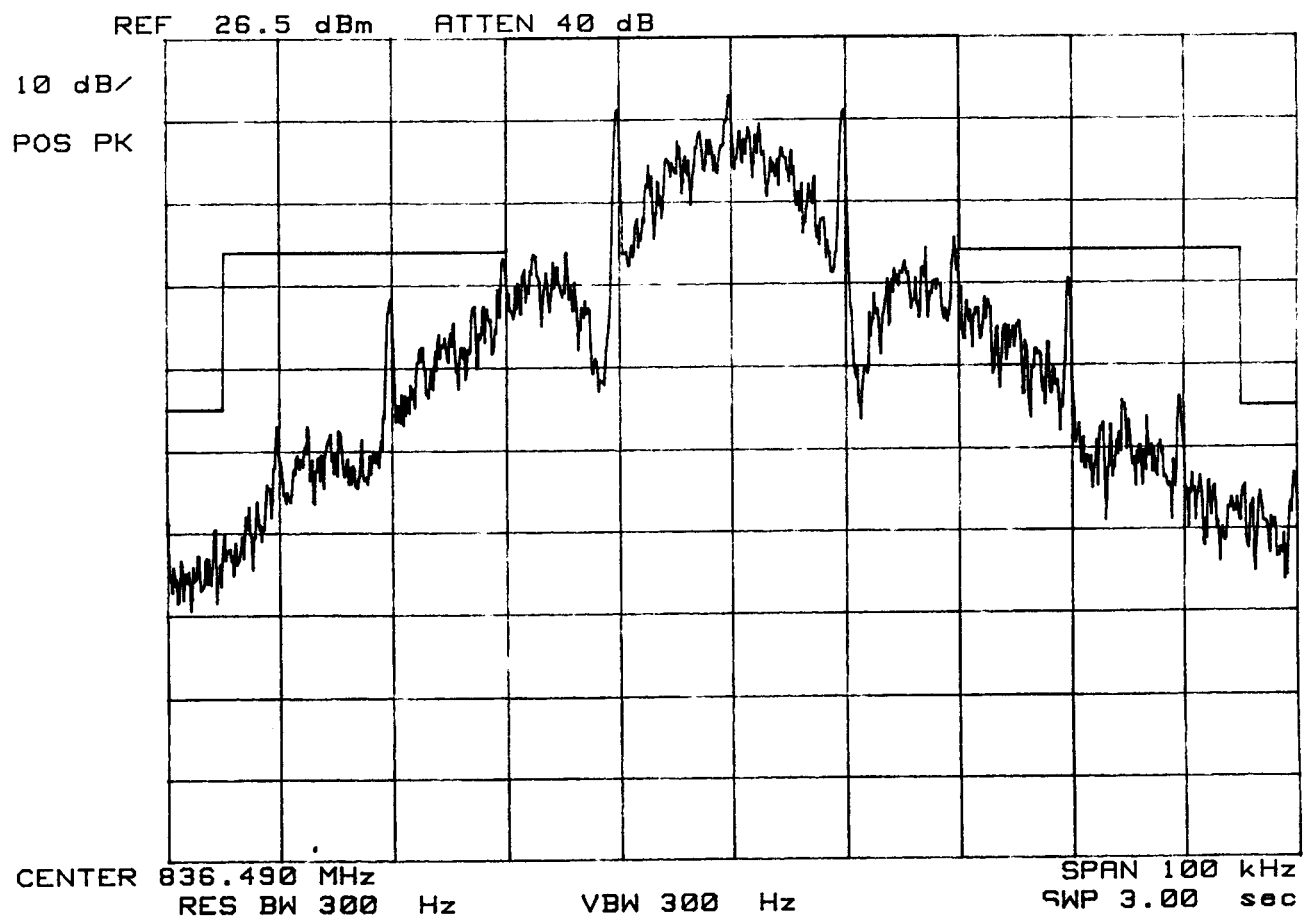
TRI-MODE PHONE (# 3)

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

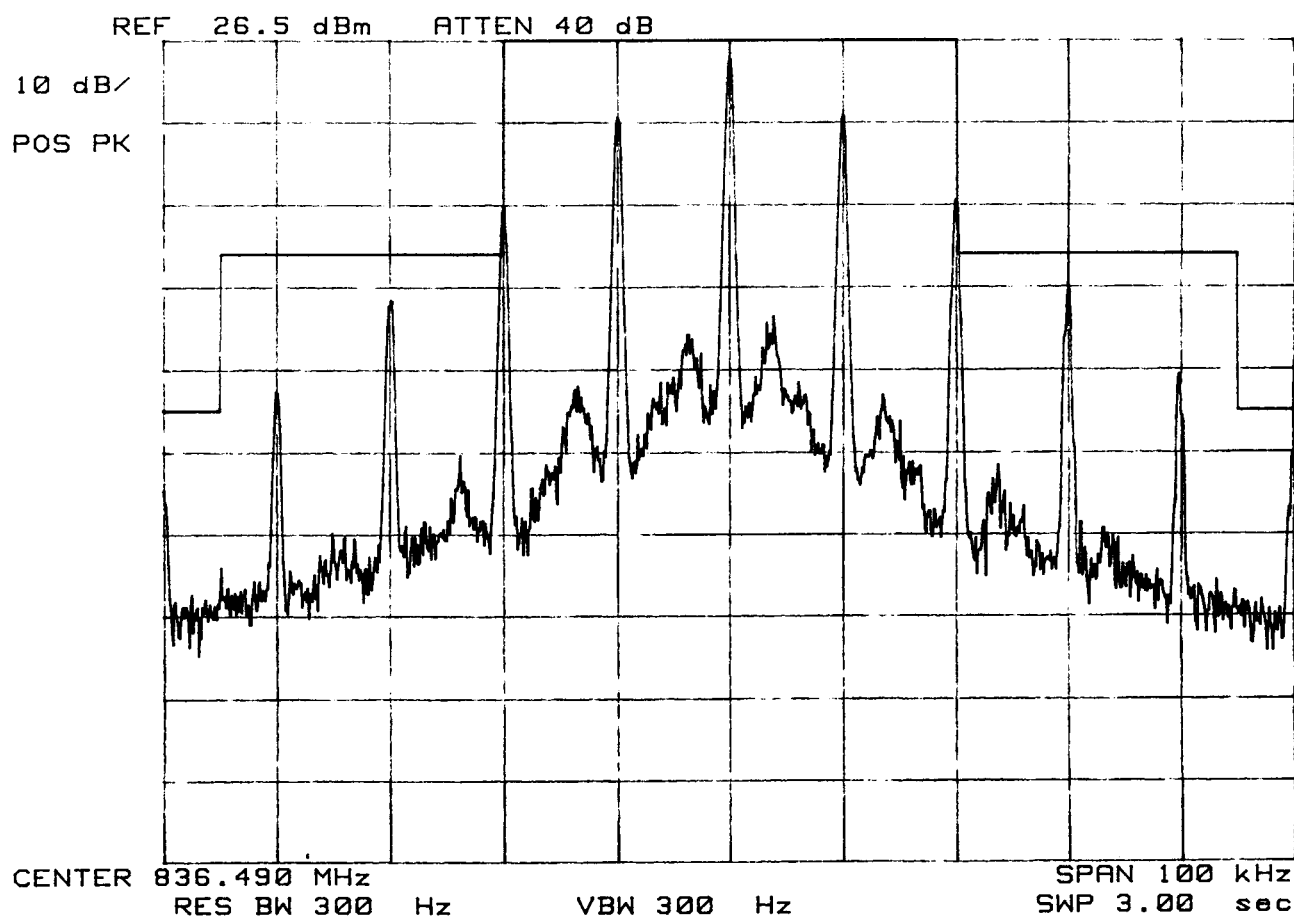
TRI-MODE PHONE (# 3)

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CJ6DCE44327A

TOSHIBA

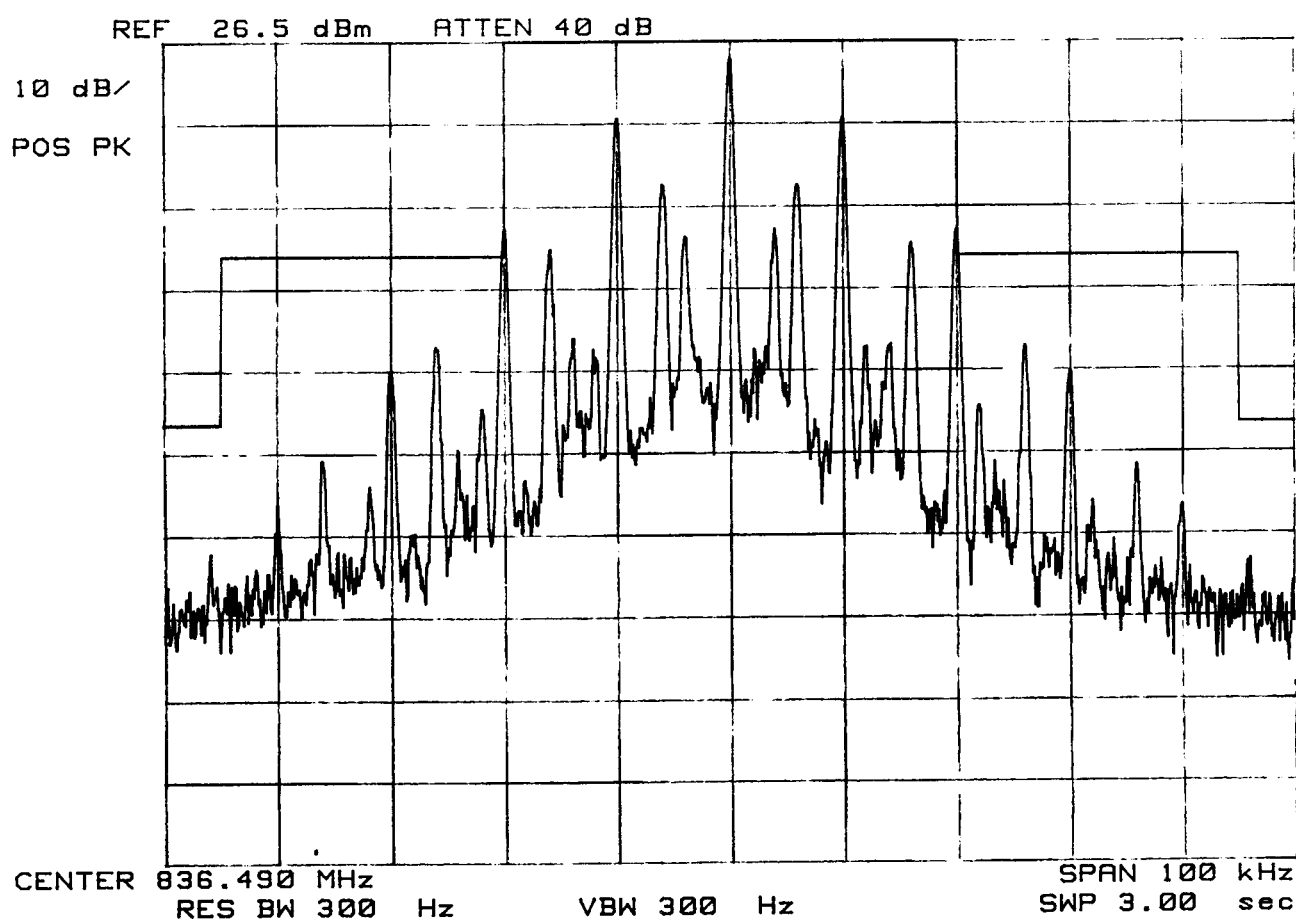
TRI-MODE PHONE (# 3)

FM Channel 383

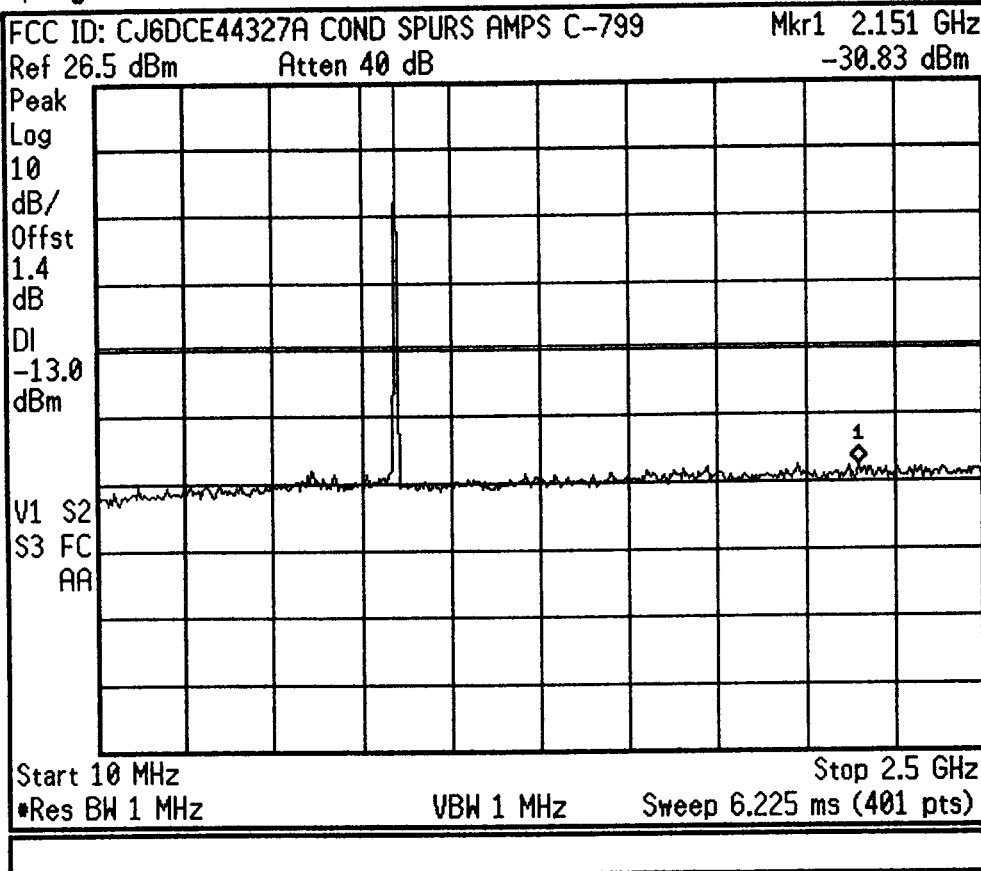
Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT + ST

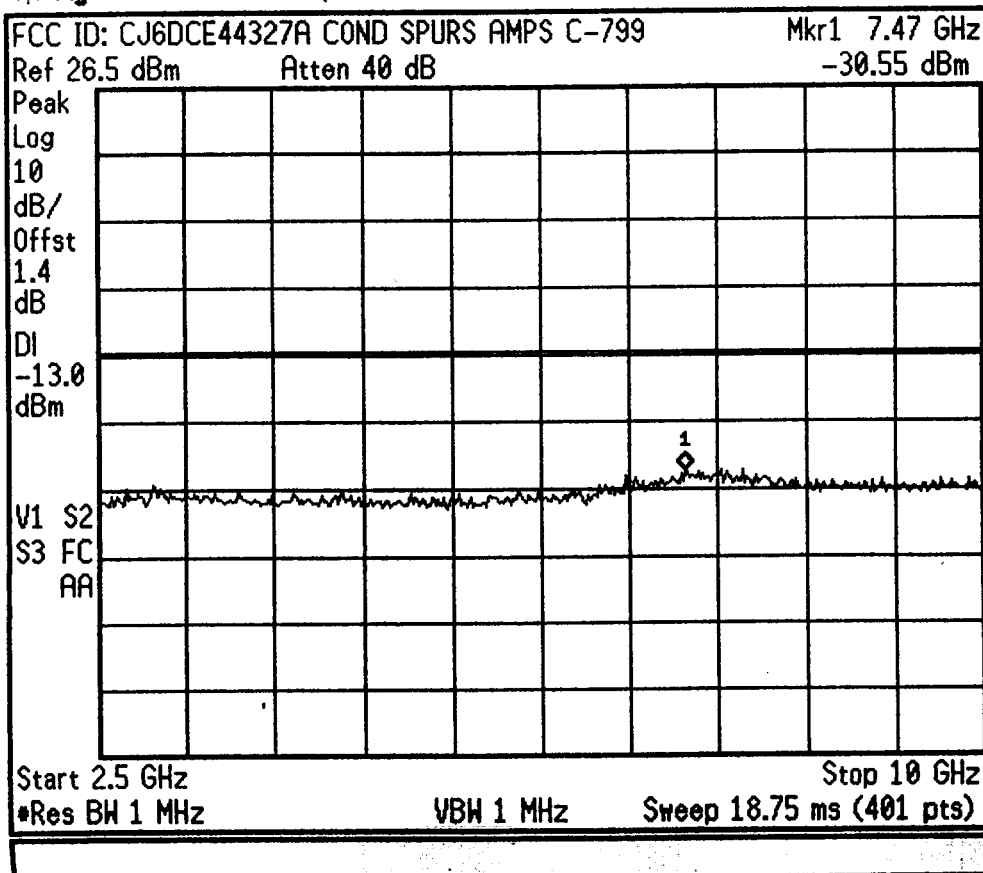


* Agilent 07:16:06 Apr 9, 2001



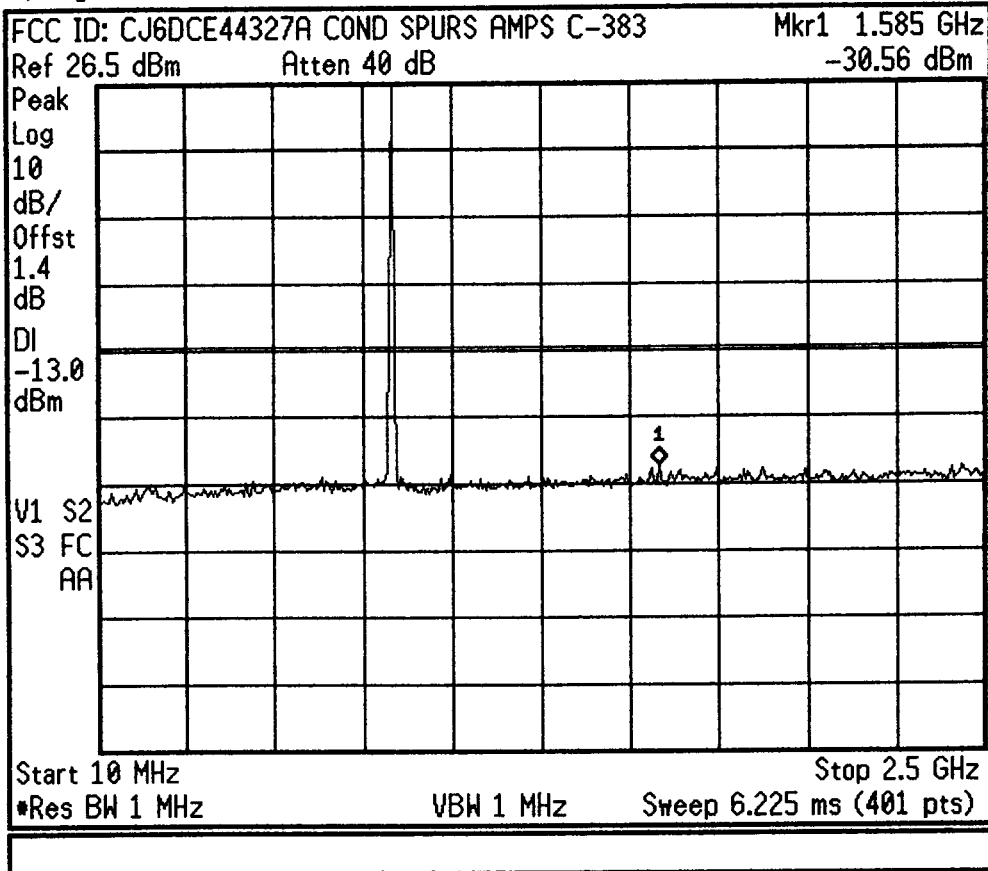
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:17:05 Apr 9, 2001



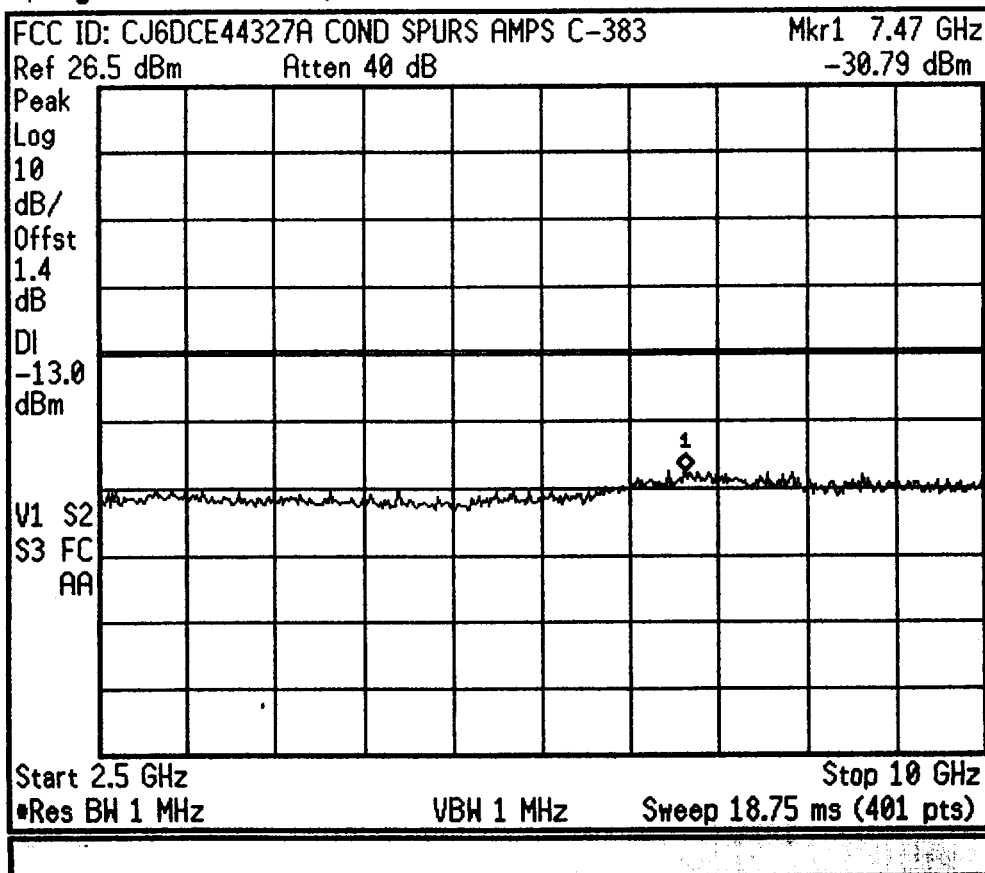
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:13:45 Apr 9, 2001



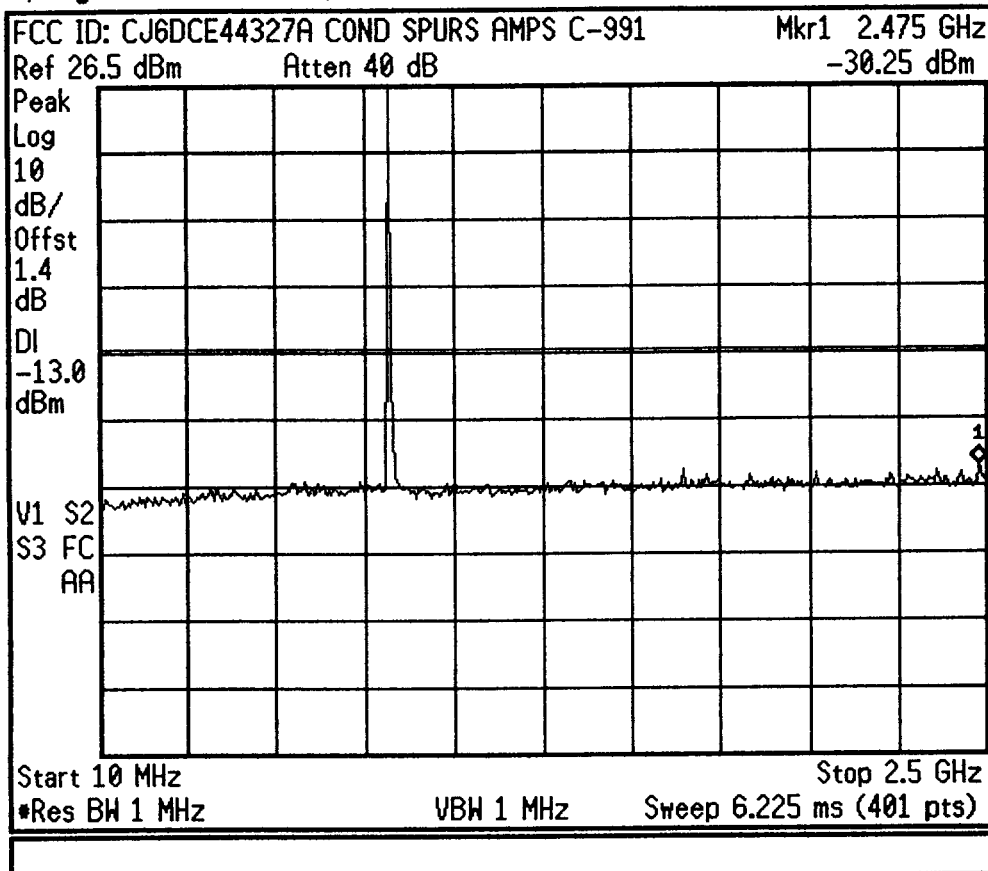
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:14:43 Apr 9, 2001



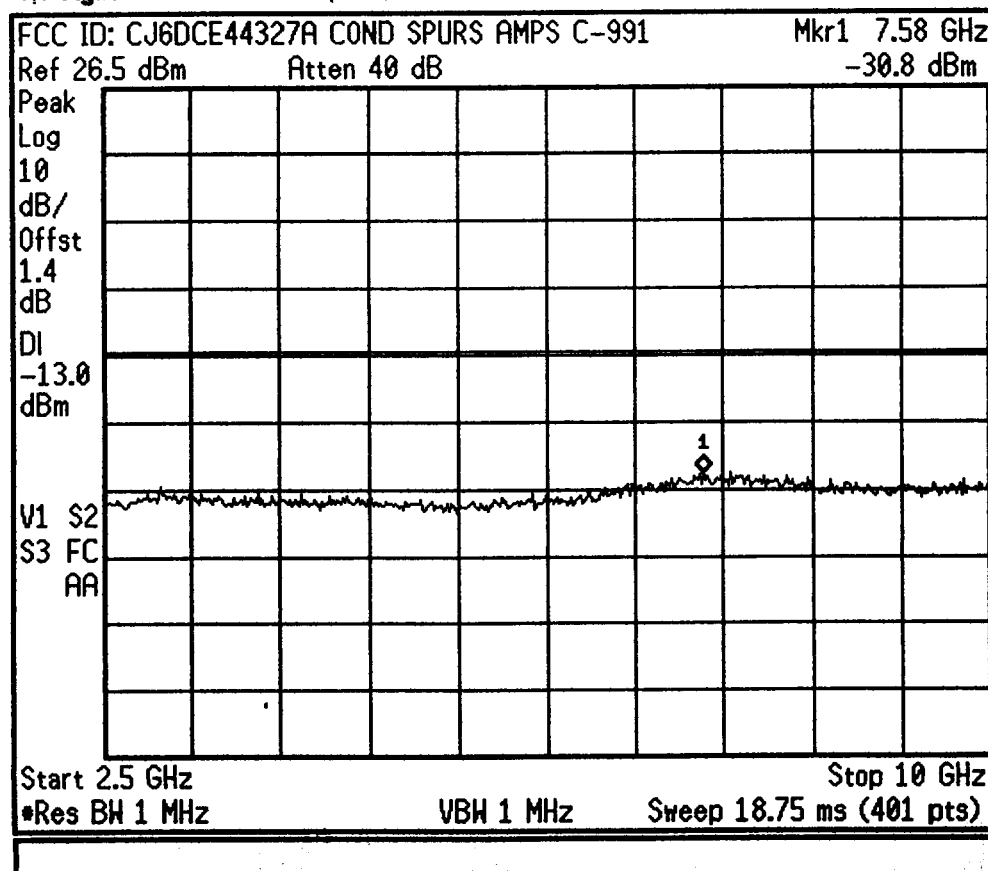
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:11:07 Apr 9, 2001



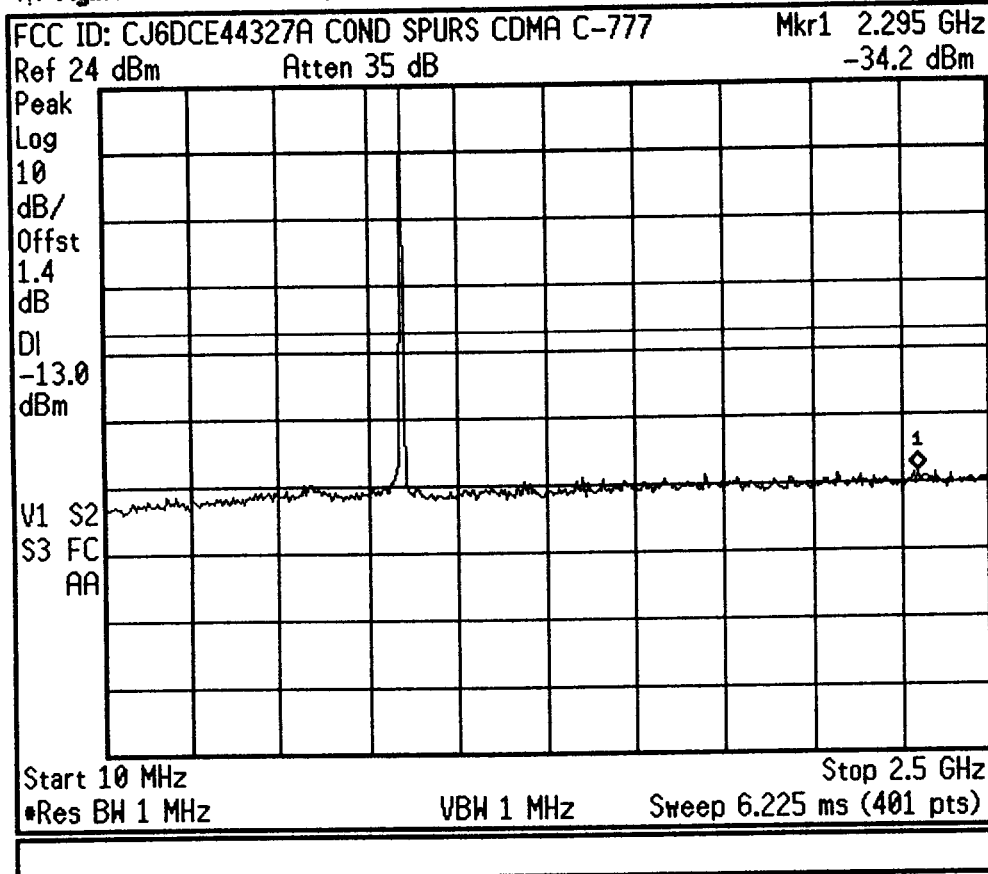
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:12:04 Apr 9, 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 07:23:03 Apr 9, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

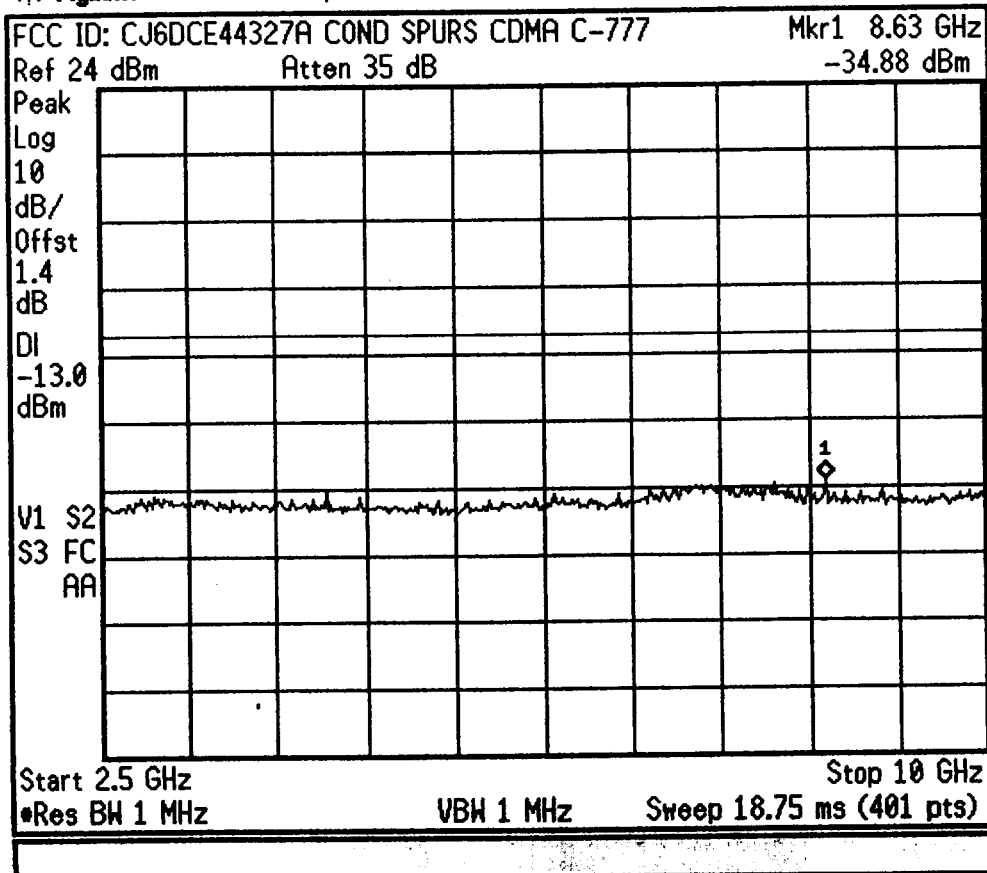
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 07:24:52 Apr 9, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

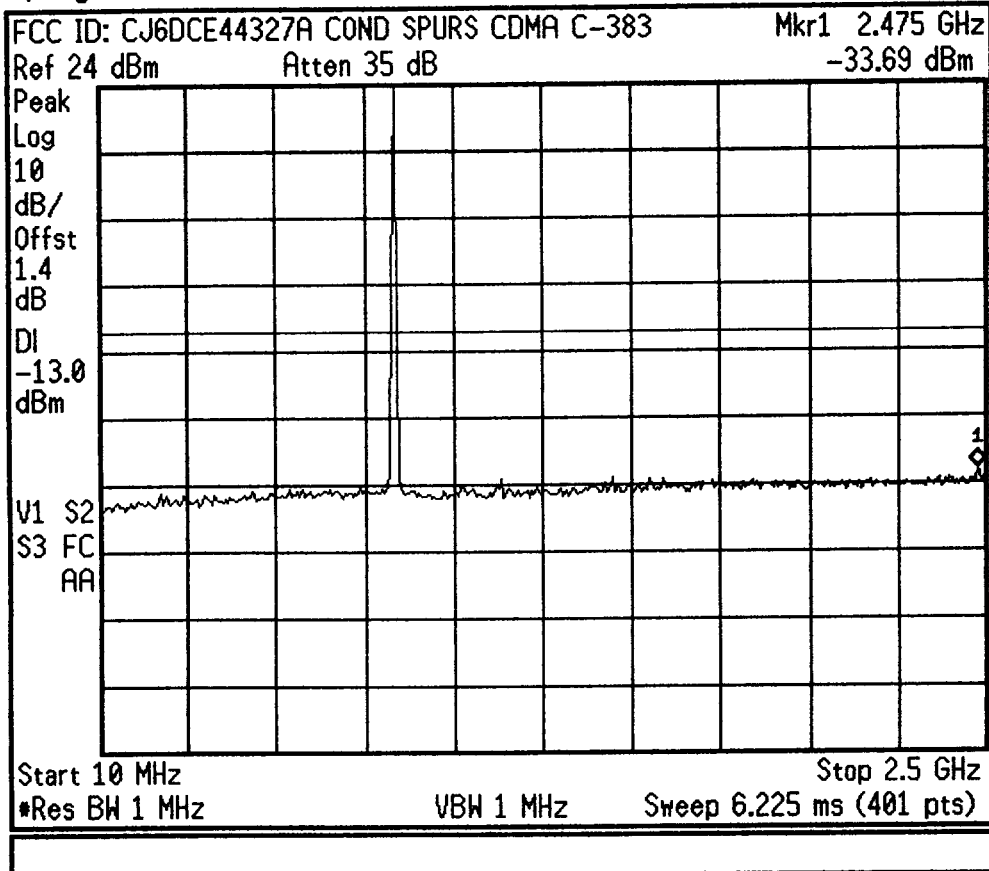
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 07:21:18 Apr 9, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

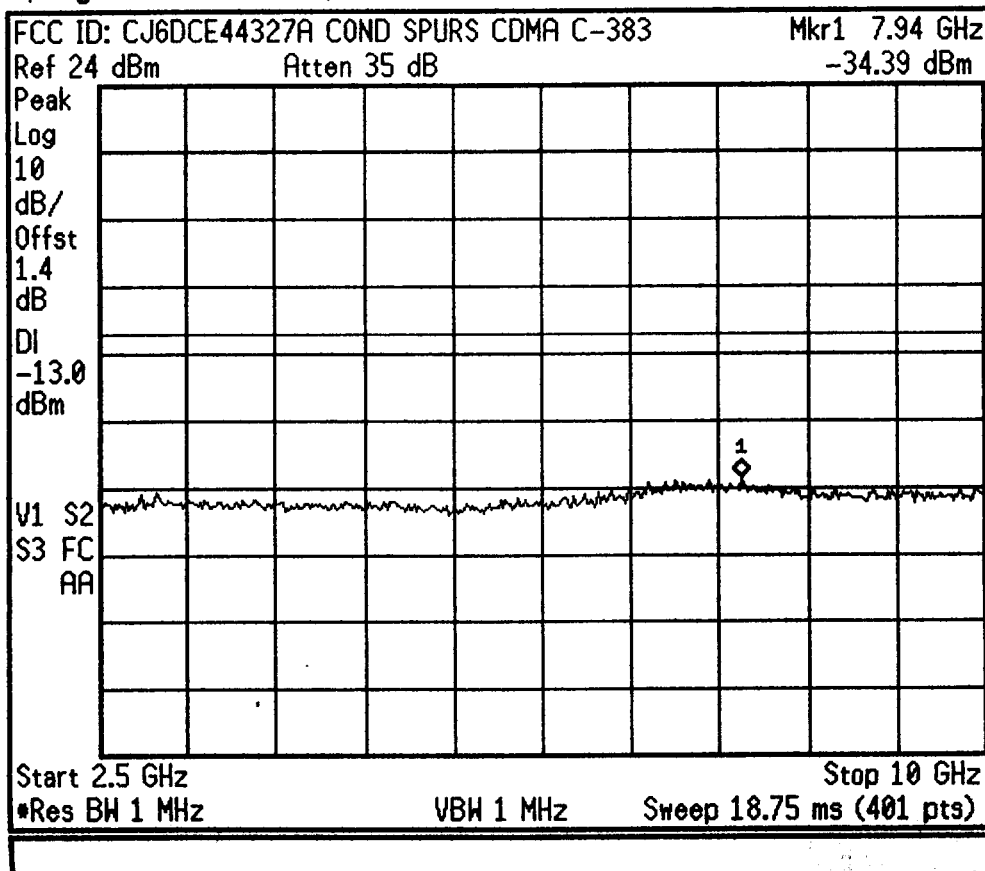
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 07:22:02 Apr 9, 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 07:19:11 Apr 9, 2001

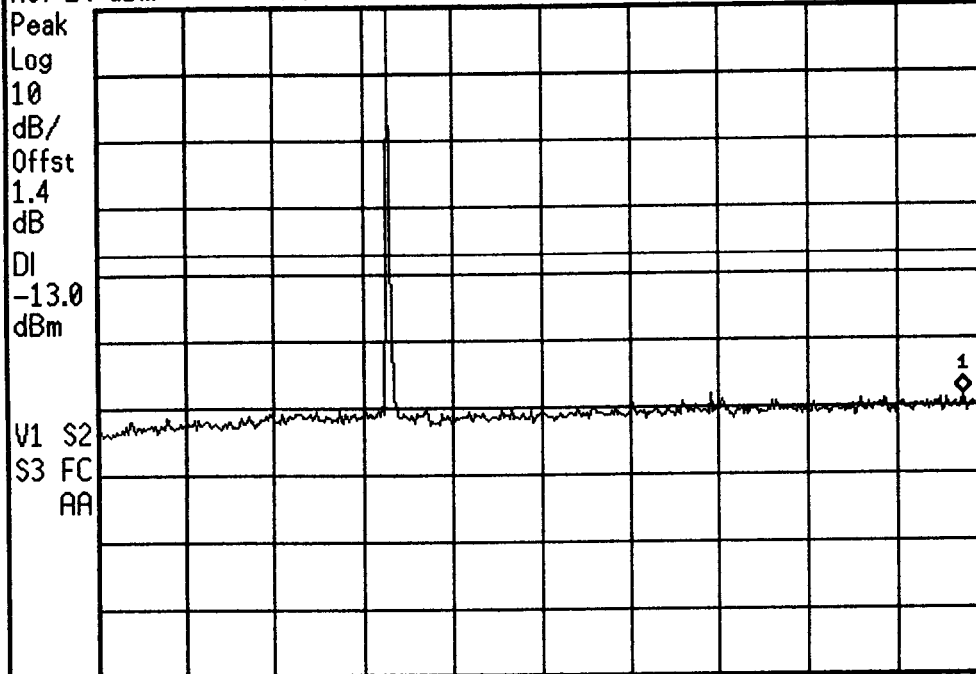
FCC ID: CJ6DCE44327A COND SPURS CDMA C-1013

Mkr1 2.438 GHz

Ref 24 dBm

Atten 35 dB

-34.23 dBm



Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz
Sweep 6.225 ms (401 pts)

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 07:20:08 Apr 9, 2001

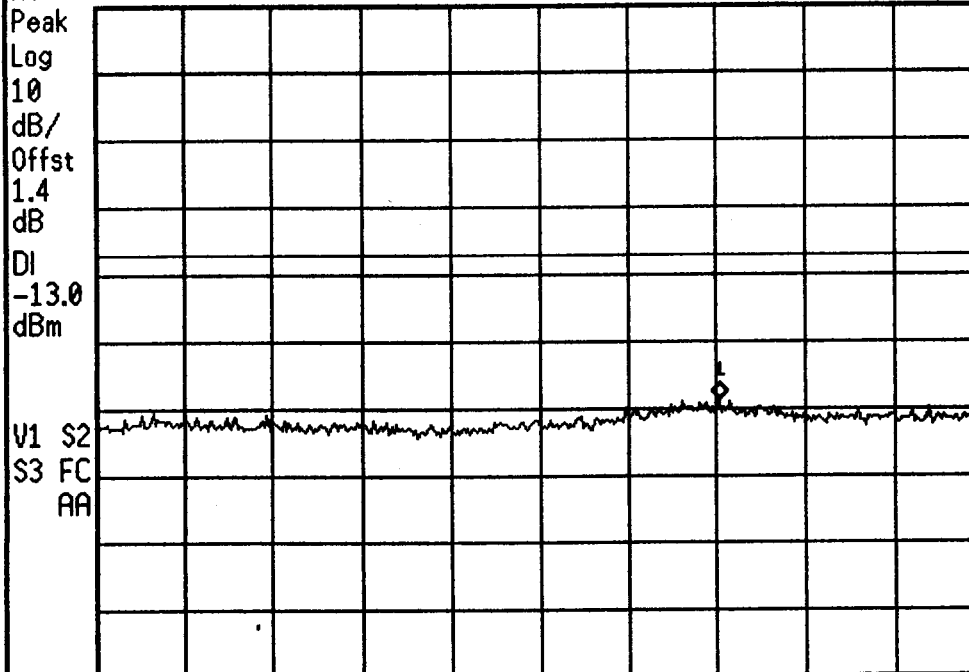
FCC ID: CJ6DCE44327A COND SPURS CDMA C-1013

Mkr1 7.77 GHz

Ref 24 dBm

Atten 35 dB

-34.62 dBm



Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz
Sweep 18.75 ms (401 pts)

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 08:27:24 Apr 9, 2001

FCC ID: CJ6DCE44327A PWR OUT CDMA C-1013

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

1.4

dB

VAvg

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 08:28:17 Apr 9, 2001

FCC ID: CJ6DCE44327A PWR OUT CDMA C-1013

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

1.4

dB

VAvg

100

V1 S2

S3 FC

AA

Center 836.5 MHz

*Res BW 3 MHz

*VBW 3 MHz

Span 10 MHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

836.490000 MHz

Start Freq

831.490000 MHz

Stop Freq

841.490000 MHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

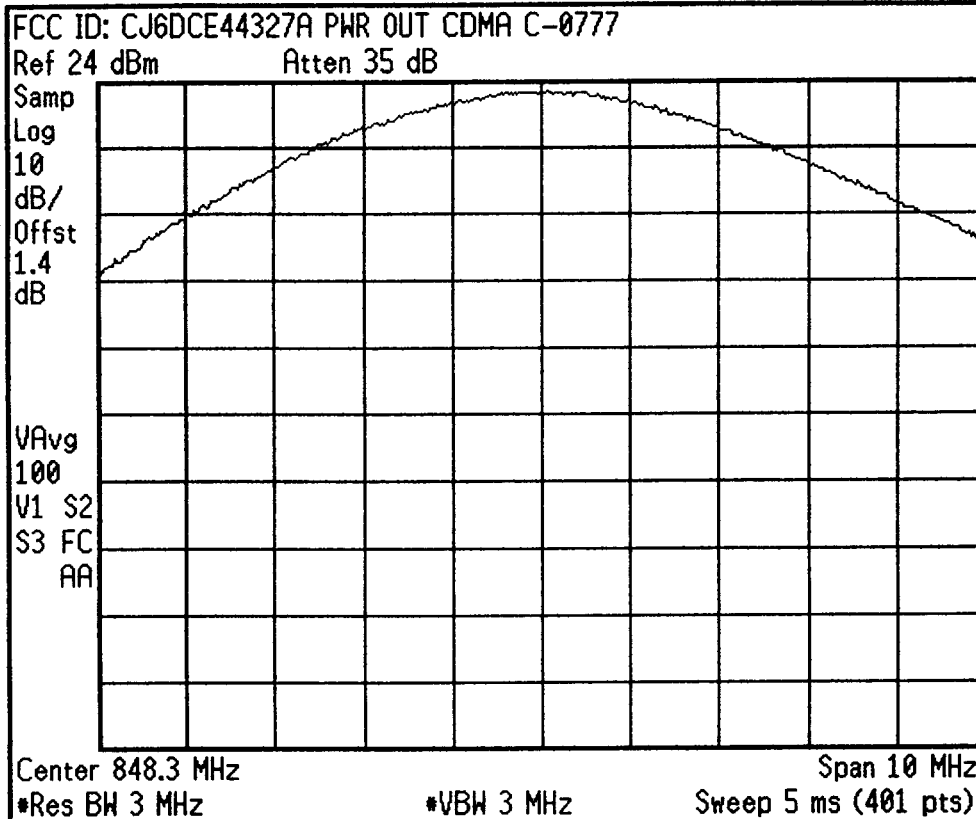
0.00000000 Hz

Signal Track

On

Off

* Agilent 08:29:15 Apr 9, 2001



Freq/Channel

Center Freq
848.310000 MHz

Start Freq
843.310000 MHz

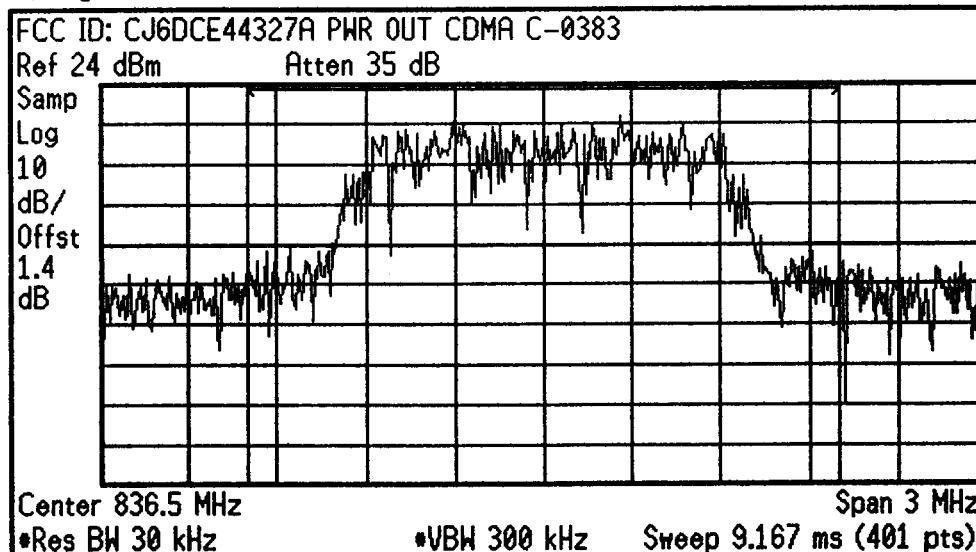
Stop Freq
853.310000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 08:32:50 Apr 9, 2001



Freq/Channel

Center Freq
836.490000 MHz

Start Freq
834.990000 MHz

Stop Freq
837.990000 MHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Channel Power Results (Idle)

Channel Power
24.00 dBm

Integration BW 2.000 MHz

Density -39.01 dBm/Hz

* Agilent 06:47:44 Apr 10, 2001

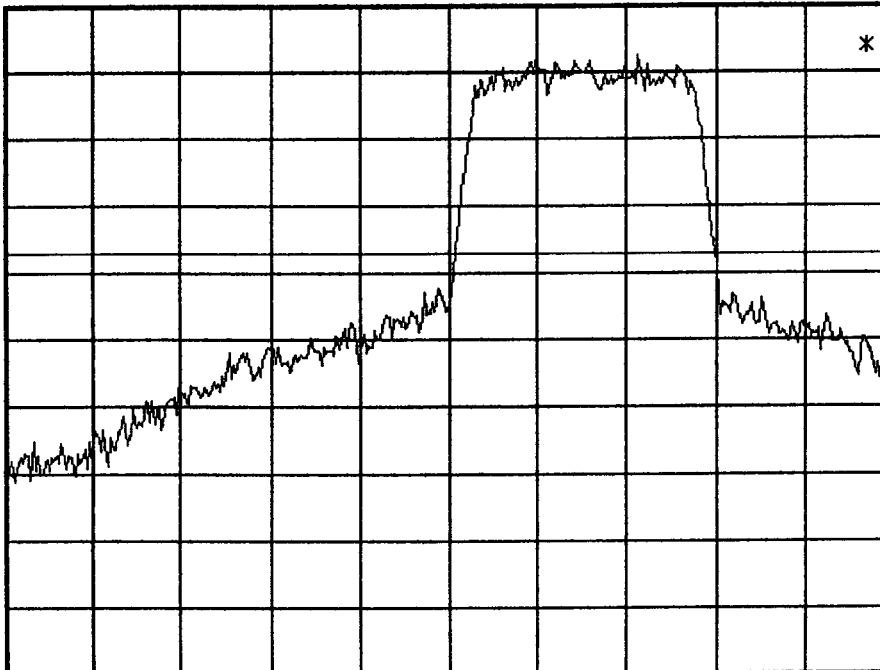
FCC ID: CJ6DCE44327A BAND EDGE CDMA C-1013

Ref 24 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
1.4
dB
DI
-13.0
dBm

V1 S2
S3 FC
AA



Center 824 MHz

Span 5 MHz

Res BW 30 kHz

VBW 30 kHz

Sweep 13.89 ms (401 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 06:51:50 Apr 10, 2001

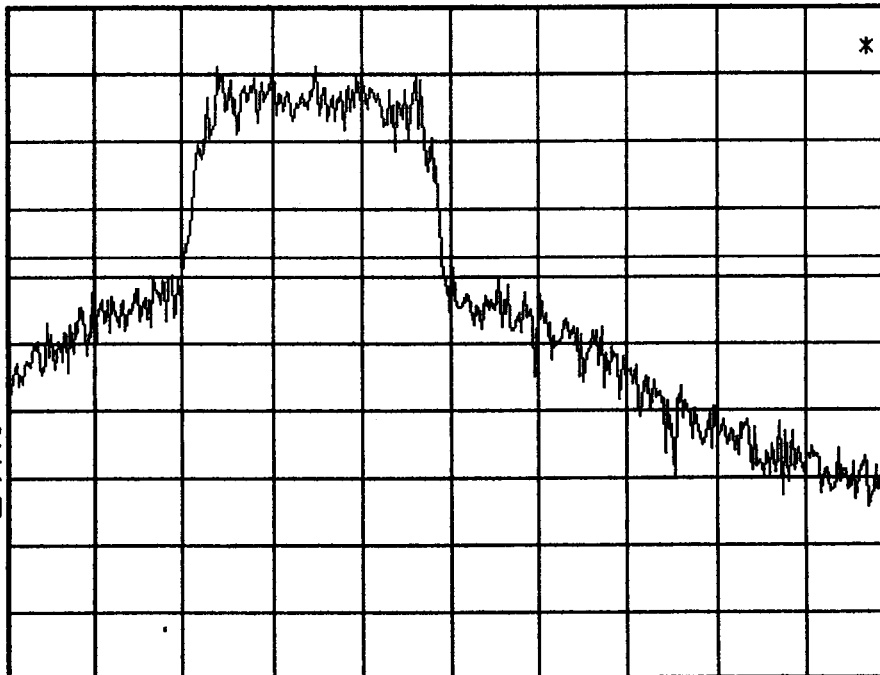
FCC ID: CJ6DCE44327A BAND EDGE CDMA C-0777

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
1.4
dB
DI
-13.0
dBm

V1 S2
S3 FC
AA



Center 849 MHz

Span 5 MHz

Res BW 30 kHz

VBW 30 kHz

Sweep 13.89 ms (401 pts)

Freq/Channel

Center Freq
849.000000 MHz

Start Freq
846.500000 MHz

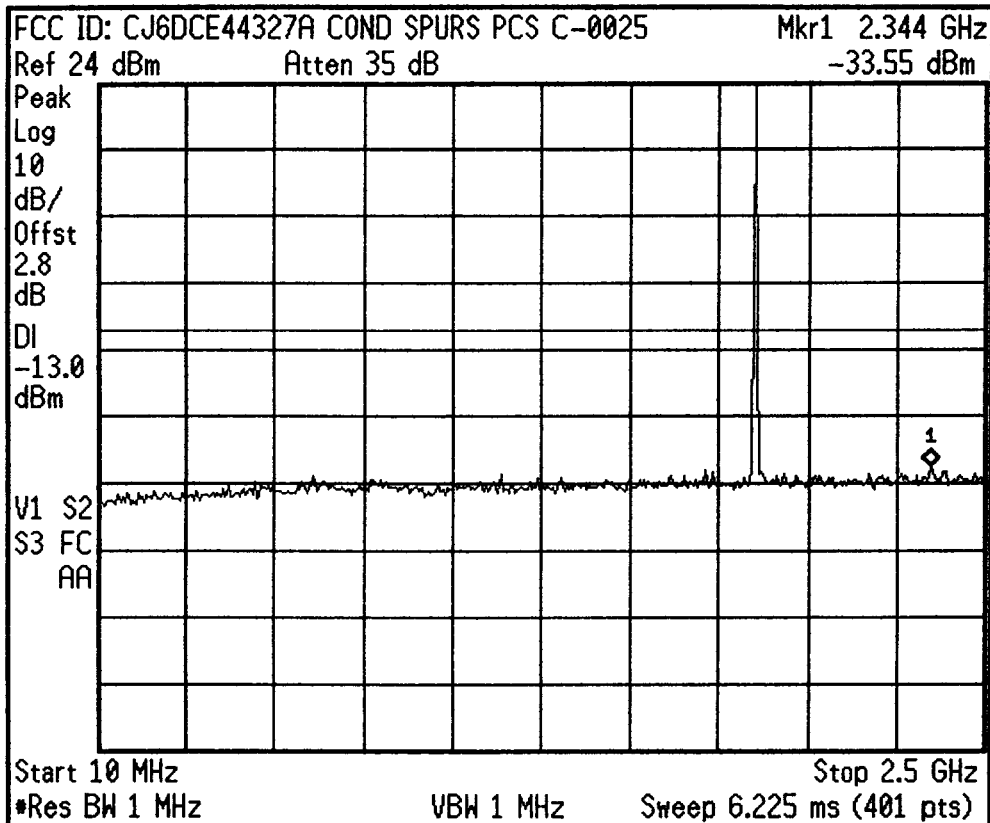
Stop Freq
851.500000 MHz

CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

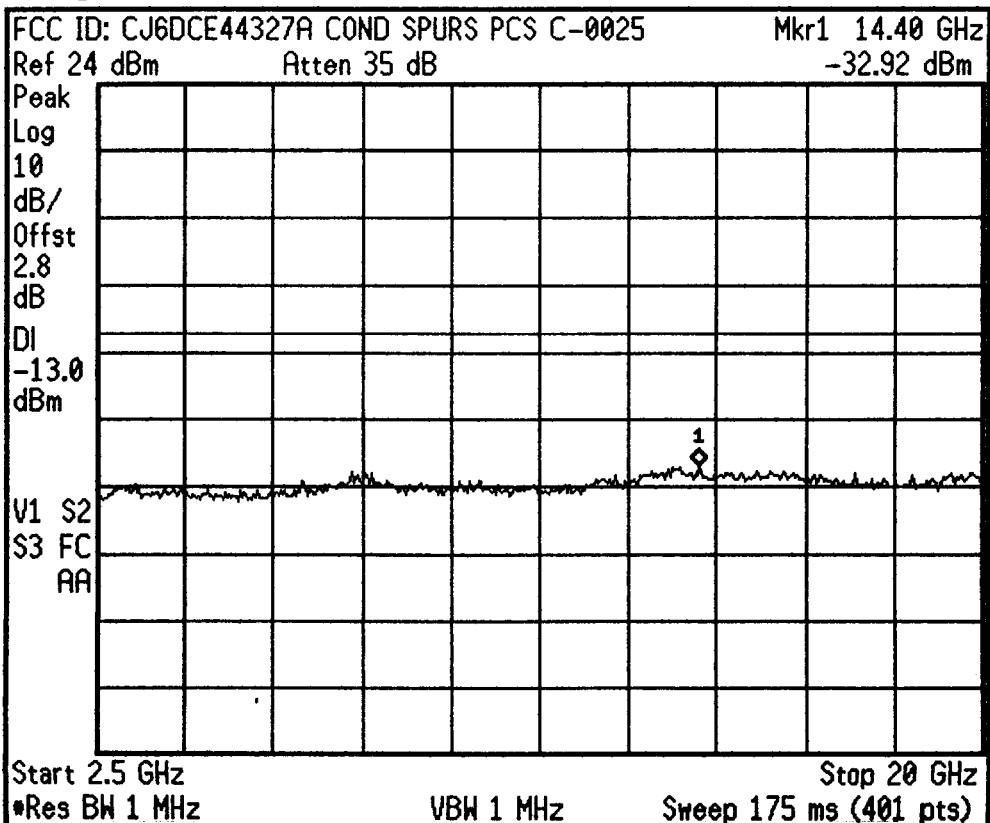
Signal Track
On Off

* Agilent 07:27:23 Apr 9, 2001



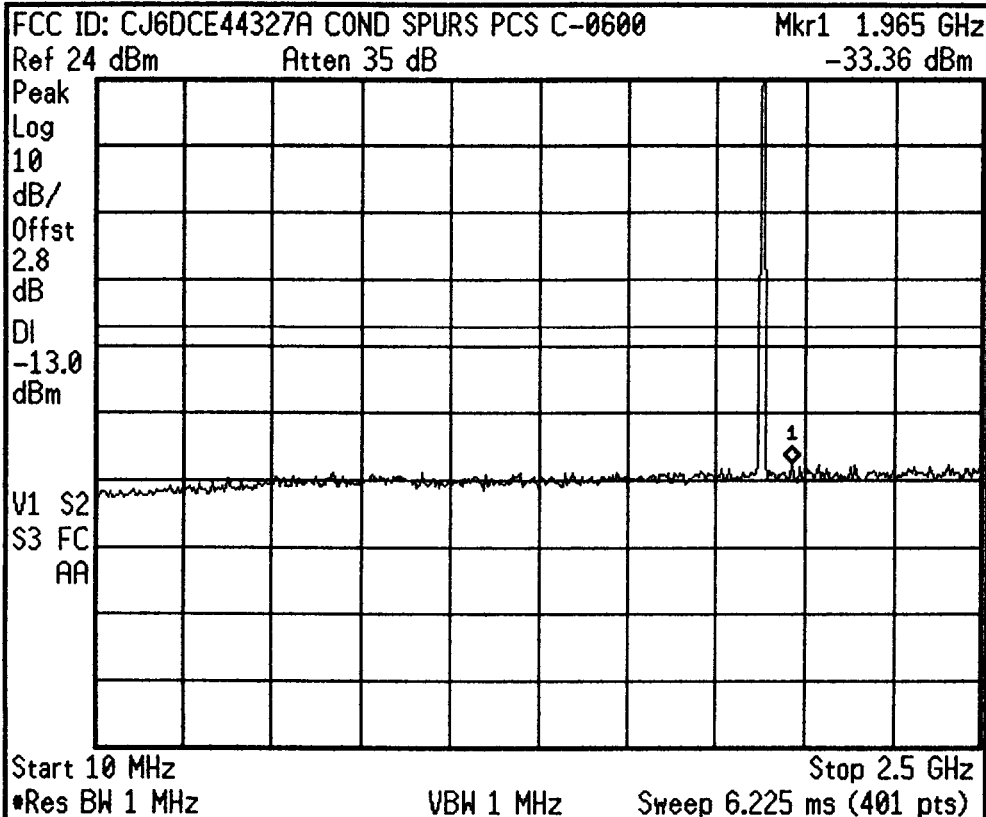
Freq/Channel	
Center Freq	1.25500000 GHz
Start Freq	10.0000000 MHz
Stop Freq	2.50000000 GHz
CF Step	249.000000 MHz Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

* Agilent 07:28:15 Apr 9, 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 07:29:53 Apr 9, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

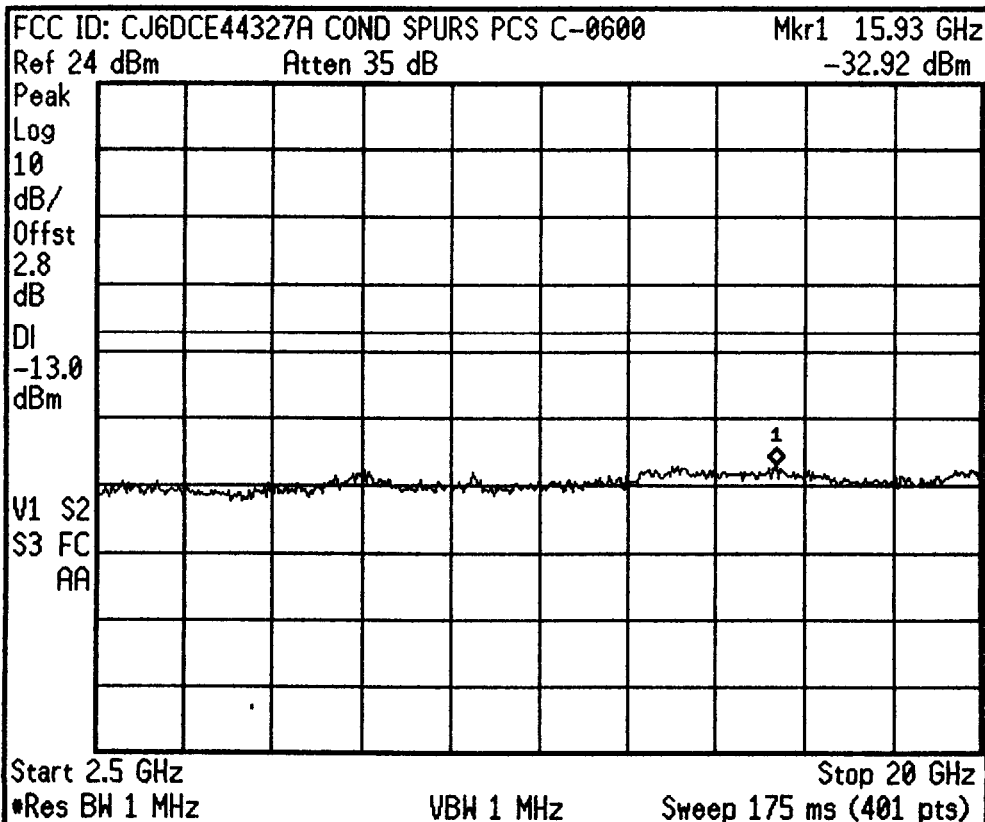
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 07:30:36 Apr 9, 2001



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

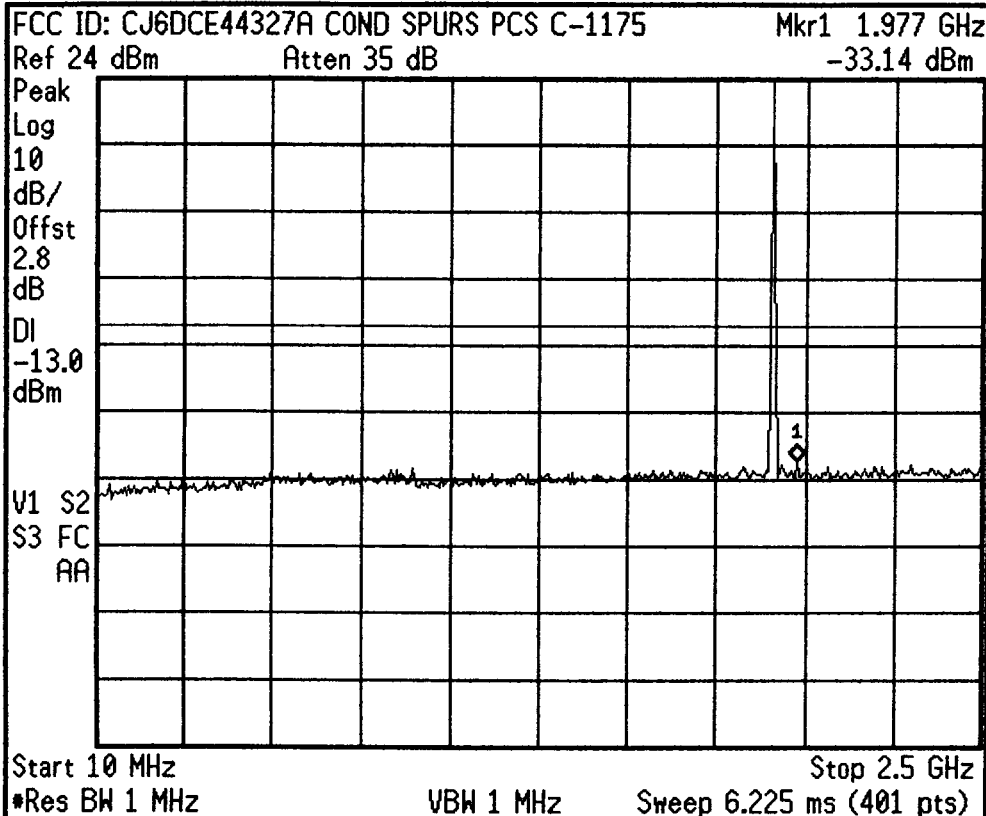
Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 07:32:32 Apr 9, 2001



Freq/Channel

Center Freq
 1.2500000 GHz

Start Freq
 10.0000000 MHz

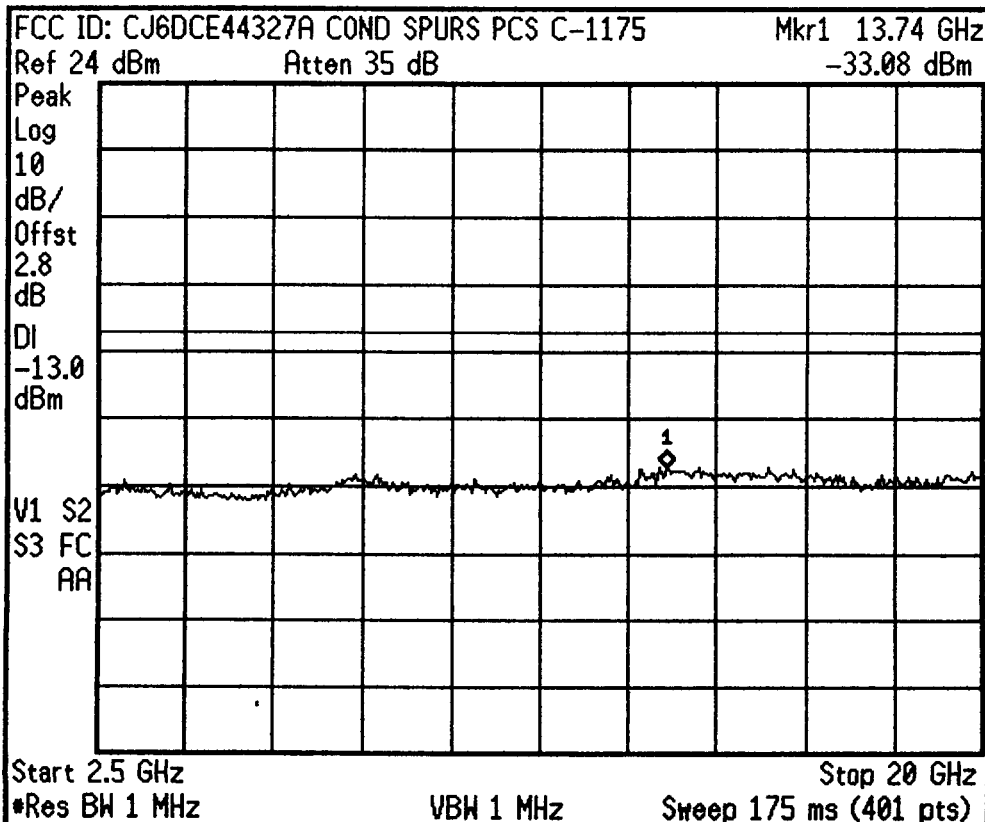
Stop Freq
 2.5000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 08:01:08 Apr 9, 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 07:04:57 Apr 11, 2001

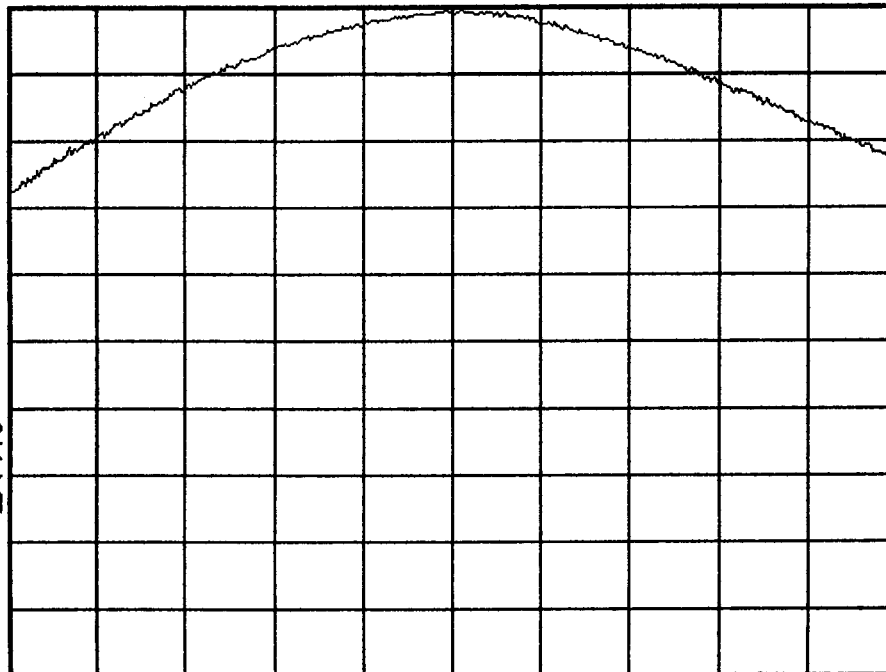
FCC ID: CJ6DCE44327A PWR OUT PCS C-0600

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
2.8
dB

VAvg
100
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 07:06:01 Apr 11, 2001

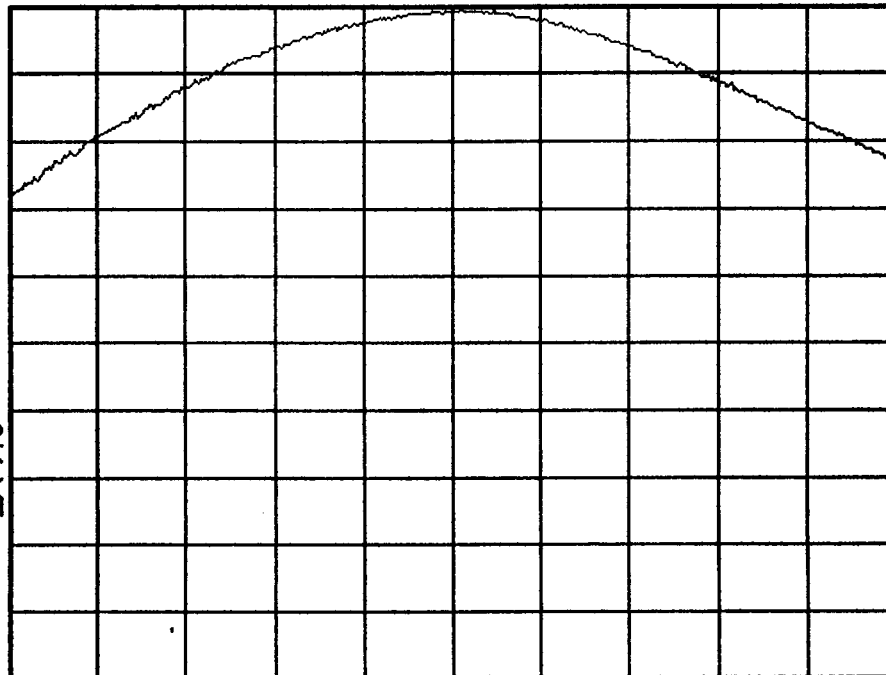
FCC ID: CJ6DCE44327A PWR OUT PCS C-1175

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
2.8
dB

VAvg
100
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

1.90875000 GHz

Start Freq

1.90375000 GHz

Stop Freq

1.91375000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

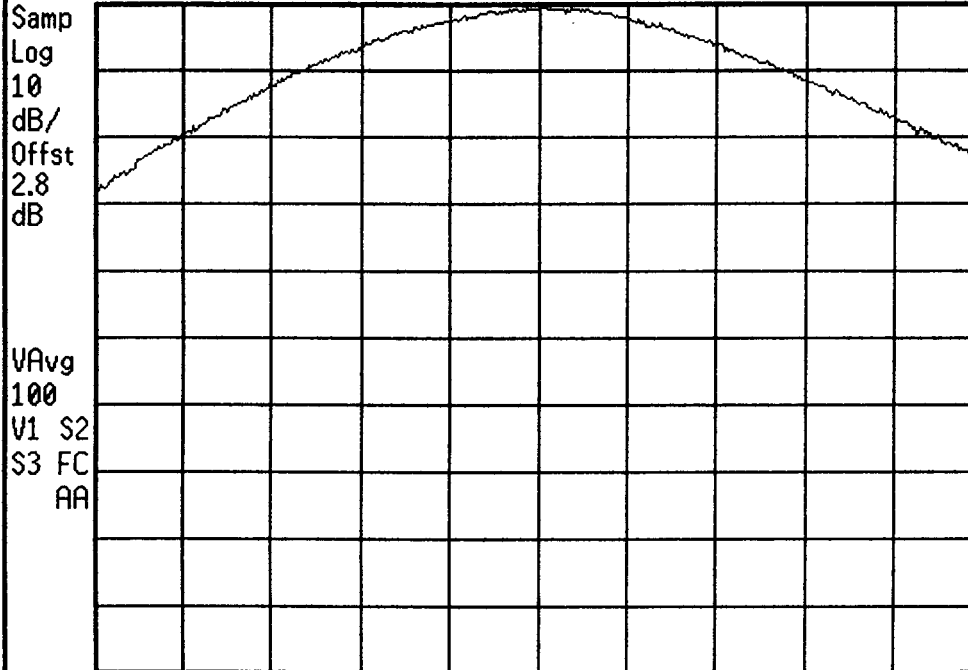
On

Off

* Agilent 08:17:42 Apr 9, 2001

FCC ID: CJ6DCE44327A PWR OUT PCS C-0025

Ref 24 dBm Atten 35 dB



Center 1.851 GHz Span 10 MHz
 *Res BW 3 MHz *VBW 3 MHz Sweep 5 ms (401 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

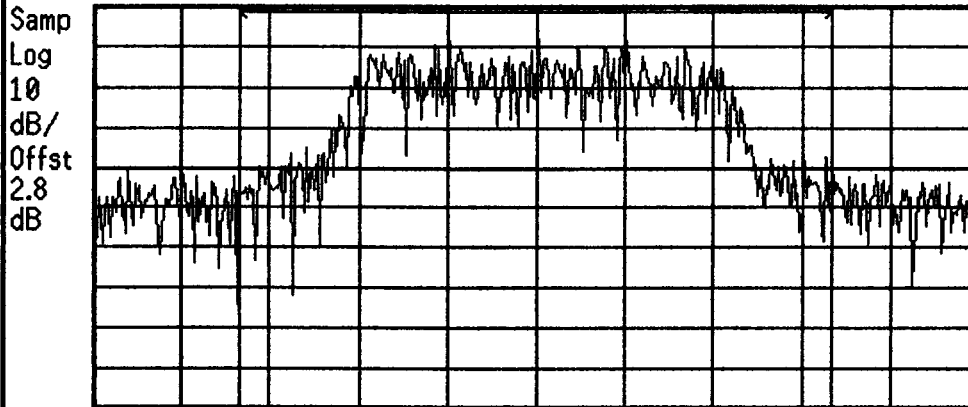
Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 08:21:01 Apr 9, 2001

FCC ID: CJ6DCE44327A PWR OUT PCS C-0025

Ref 24 dBm Atten 35 dB



Center 1.851 GHz Span 3 MHz
 *Res BW 30 kHz *VBW 300 kHz Sweep 9.167 ms (401 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
24.00 dBm
Integration BW 2.000 MHz
Density -39.01 dBm/Hz

✱ Agilent 06:58:42 Apr 10, 2001

FCC ID: CJ6DCE44327A BAND EDGE PCS C-1175

Ref 24 dBm

Samp

Log

10

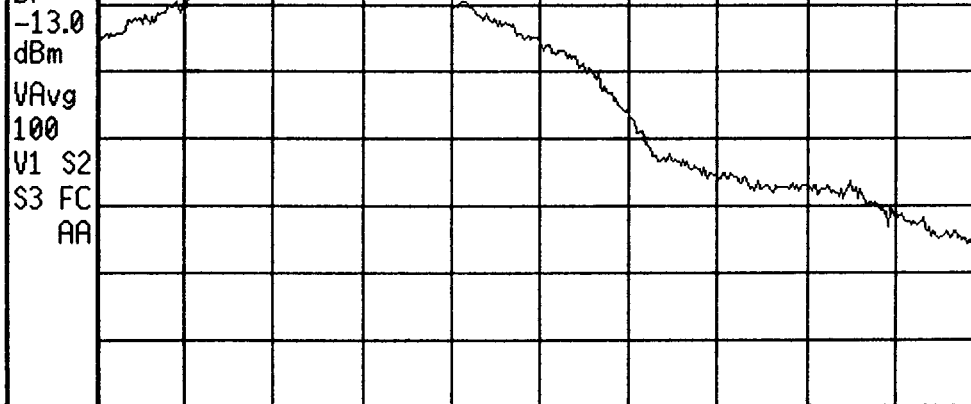
dB/

Offst

2.8

dB

DI



Center 1.91 GHz

VBW 30 kHz

Span 5 MHz

Freq/Channel

Center Freq

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 08:10:41 Apr 10, 2001

FCC ID: CJ6DCE44327A BAND EDGE PCS C-0025

Ref 24 dBm

Samp

Log

10

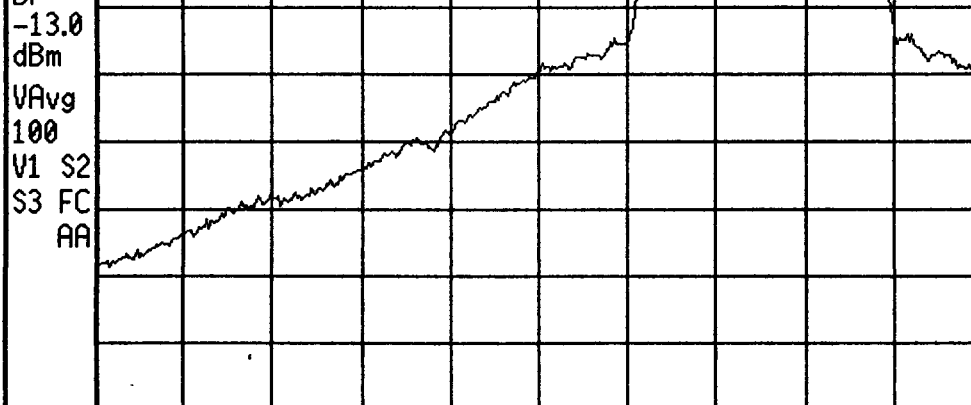
dB/

Offst

2.8

dB

DI



Center 1.85 GHz

VBW 30 kHz

Span 5 MHz

Freq/Channel	
1	100.000000
2	100.000000
3	100.000000
4	100.000000
5	100.000000
6	100.000000
7	100.000000
8	100.000000
9	100.000000
10	100.000000
11	100.000000
12	100.000000
13	100.000000
14	100.000000
15	100.000000
16	100.000000
17	100.000000
18	100.000000
19	100.000000
20	100.000000
21	100.000000
22	100.000000
23	100.000000
24	100.000000
25	100.000000
26	100.000000
27	100.000000
28	100.000000
29	100.000000
30	100.000000
31	100.000000
32	100.000000
33	100.000000
34	100.000000
35	100.000000
36	100.000000
37	100.000000
38	100.000000
39	100.000000
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42	100.000000
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66	100.000000
67	100.000000
68	100.000000
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71	100.000000
72	100.000000
73	100.000000
74	100.000000
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83	100.000000
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85	100.000000
86	100.000000
87	100.000000
88	100.000000
89	100.000000
90	100.000000
91	100.000000
92	100.000000
93	100.000000
94	100.000000
95	100.000000
96	100.000000
97	100.000000
98	100.000000
99	100.000000
100	100.000000

Center Freq
1.85000000 GHz

Start Freq
1.84750000 GHz

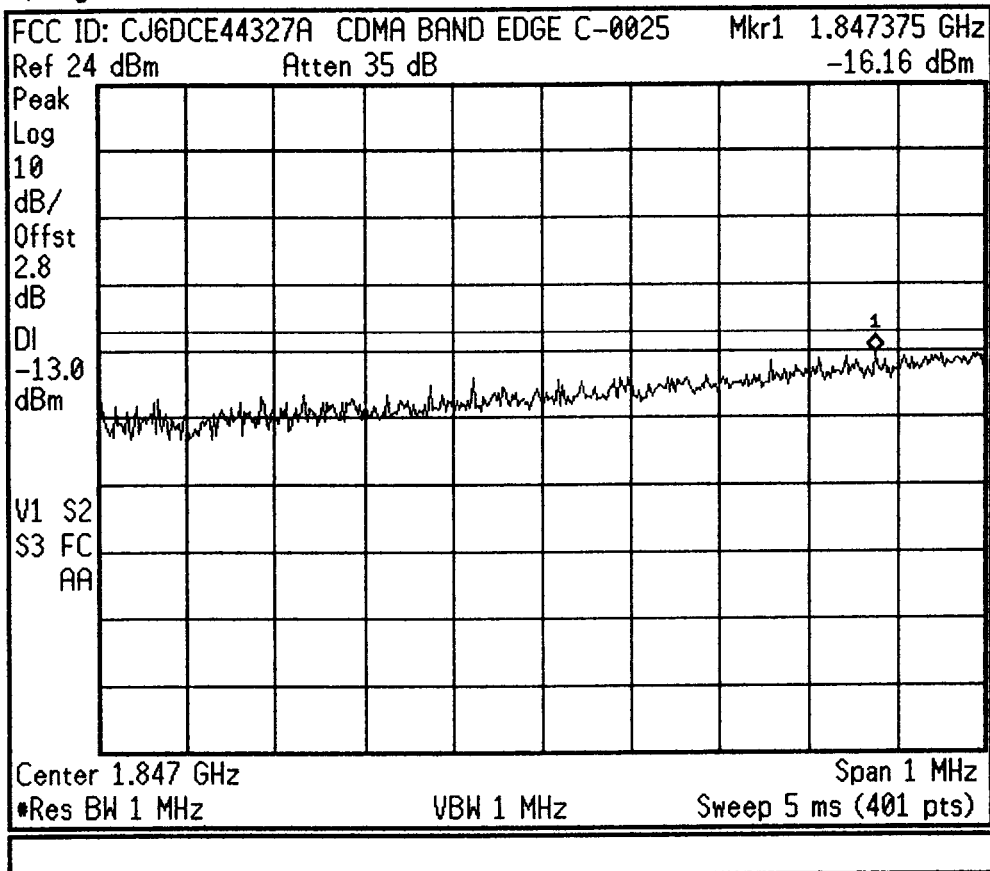
Stop Freq
1.85250000 GHz

CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 06:29:15 Apr 11, 2001



Freq/Channel

Center Freq
 1.84700000 GHz

Start Freq
 1.84650000 GHz

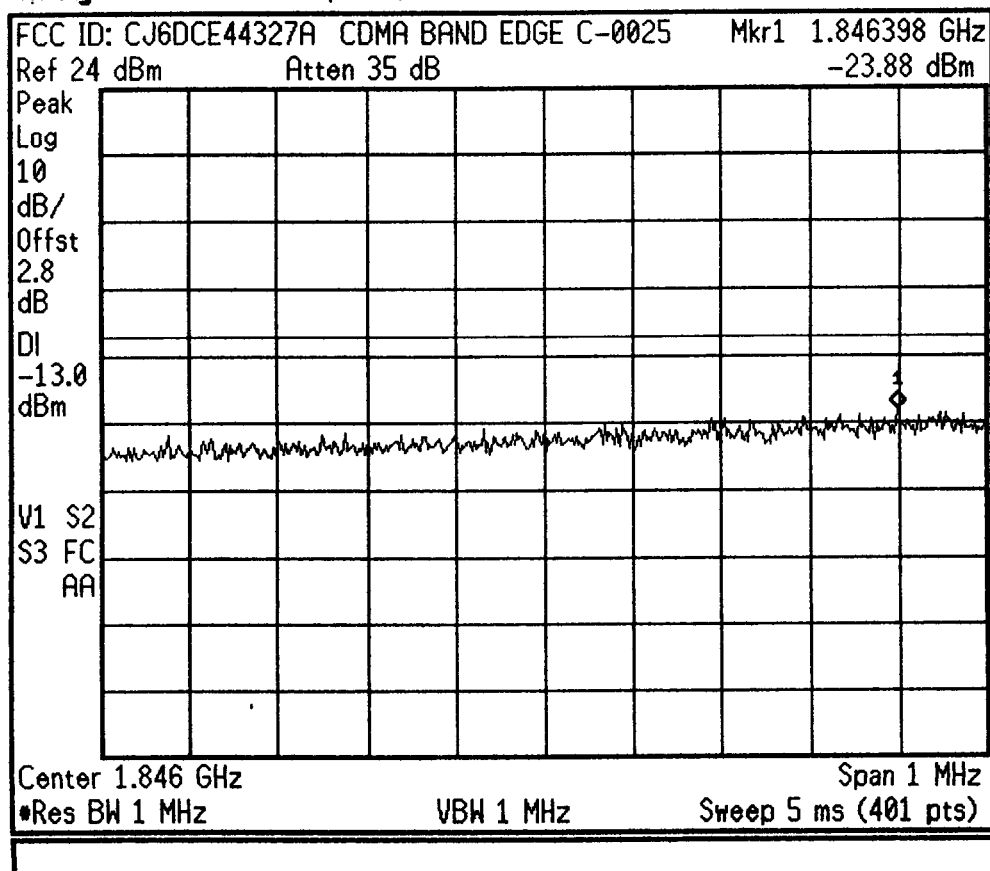
Stop Freq
 1.84750000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:30:01 Apr 11, 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

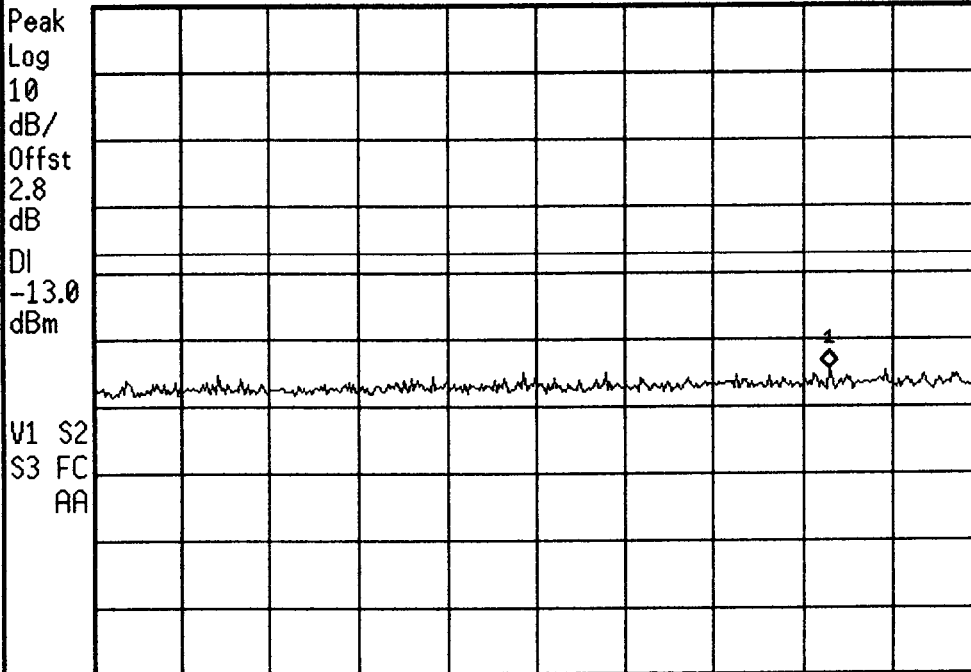
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 06:26:23 Apr 11, 2001

FCC ID: CJ6DCE44327A CDMA BAND EDGE C-0025 Mkr1 1.844330 GHz

Ref 24 dBm Atten 35 dB -30.31 dBm



Center 1.844 GHz Span 1 MHz
 *Res BW 1 MHz VBW 1 MHz Sweep 5 ms (401 pts)

Freq/Channel

Center Freq
1.84400000 GHz

Start Freq
1.84350000 GHz

Stop Freq
1.84450000 GHz

CF Step
100.000000 kHz
Auto Man

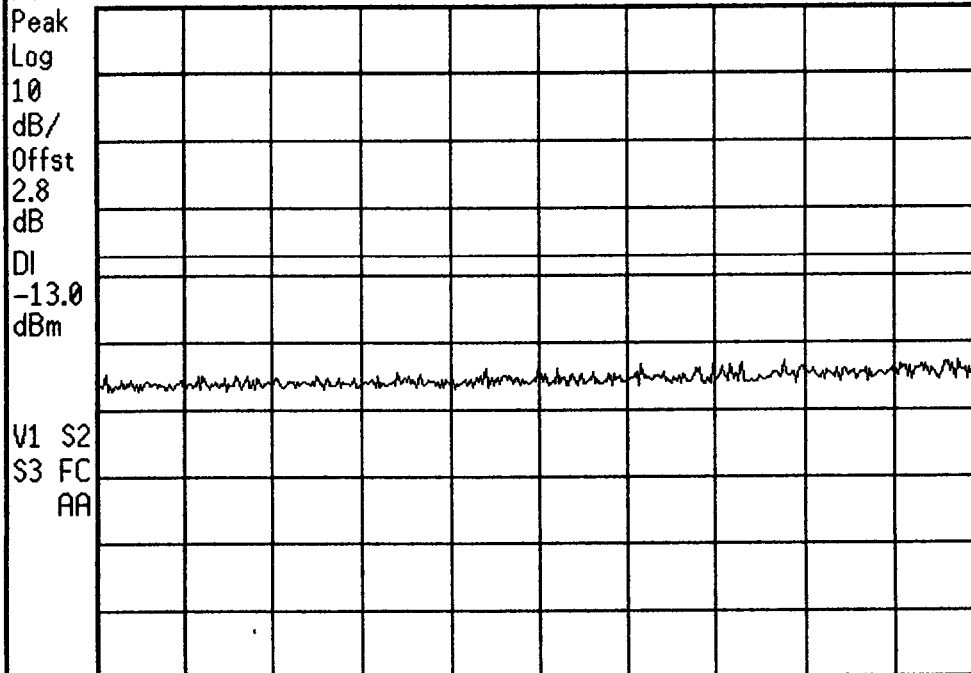
Freq Offset
0.00000000 Hz

Signal Track
On Off

Agilent 06:27:18 Apr 11, 2001

FCC ID: CJ6DCE44327A CDMA BAND EDGE C-0025 Mkr1 1.845498 GHz

Ref 24 dBm Atten 35 dB -28.47 dBm



Center 1.845 GHz Span 1 MHz
 *Res BW 1 MHz VBW 1 MHz Sweep 5 ms (401 pts)

Freq/Channel

Center Freq
1.84500000 GHz

Start Freq
1.84450000 GHz

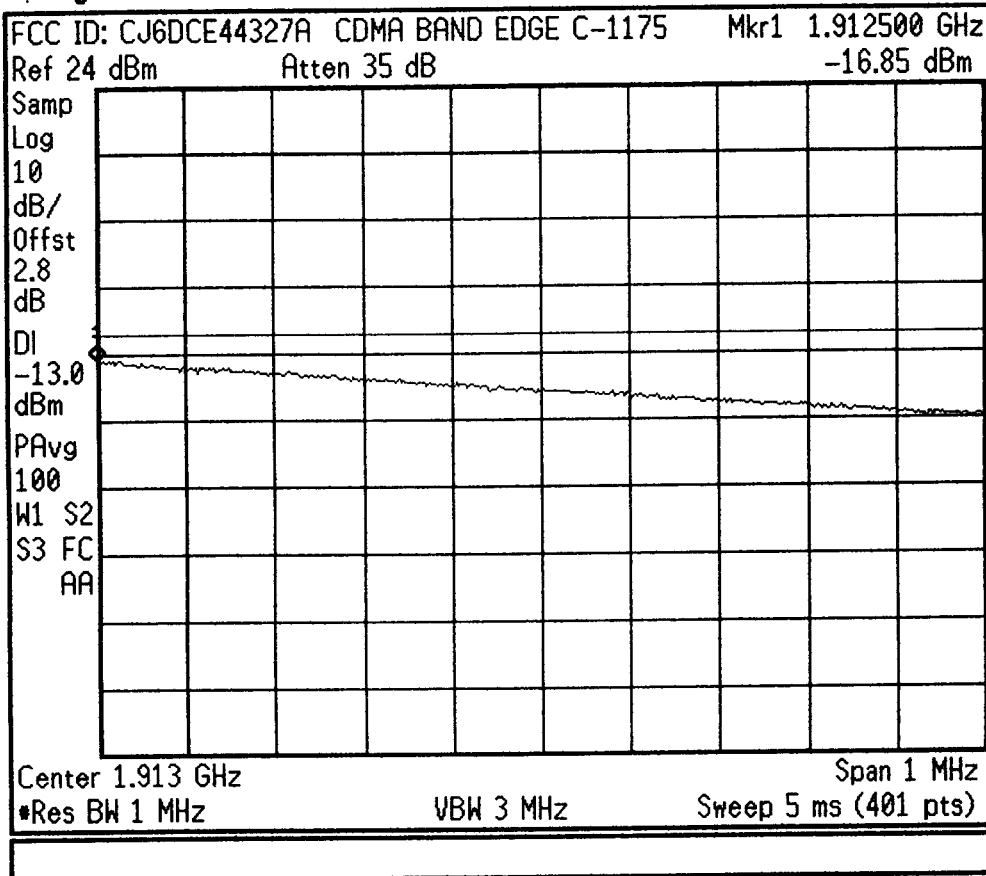
Stop Freq
1.84550000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

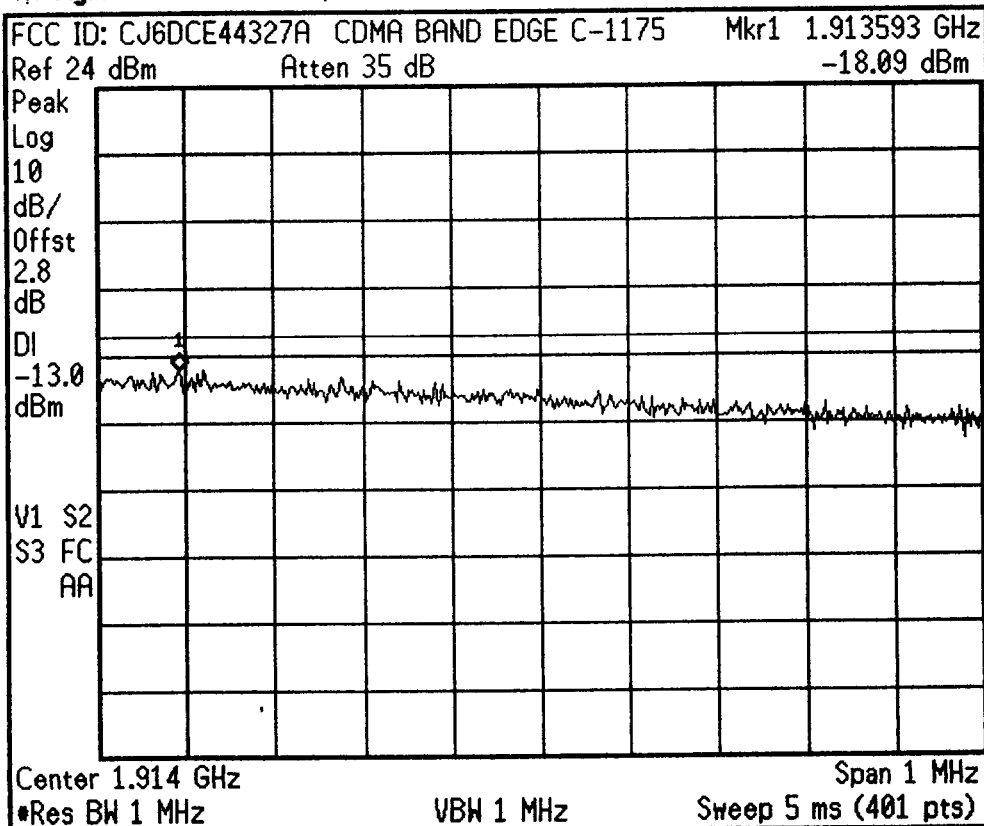
Signal Track
On Off

* Agilent 06:39:07 Apr 11, 2001



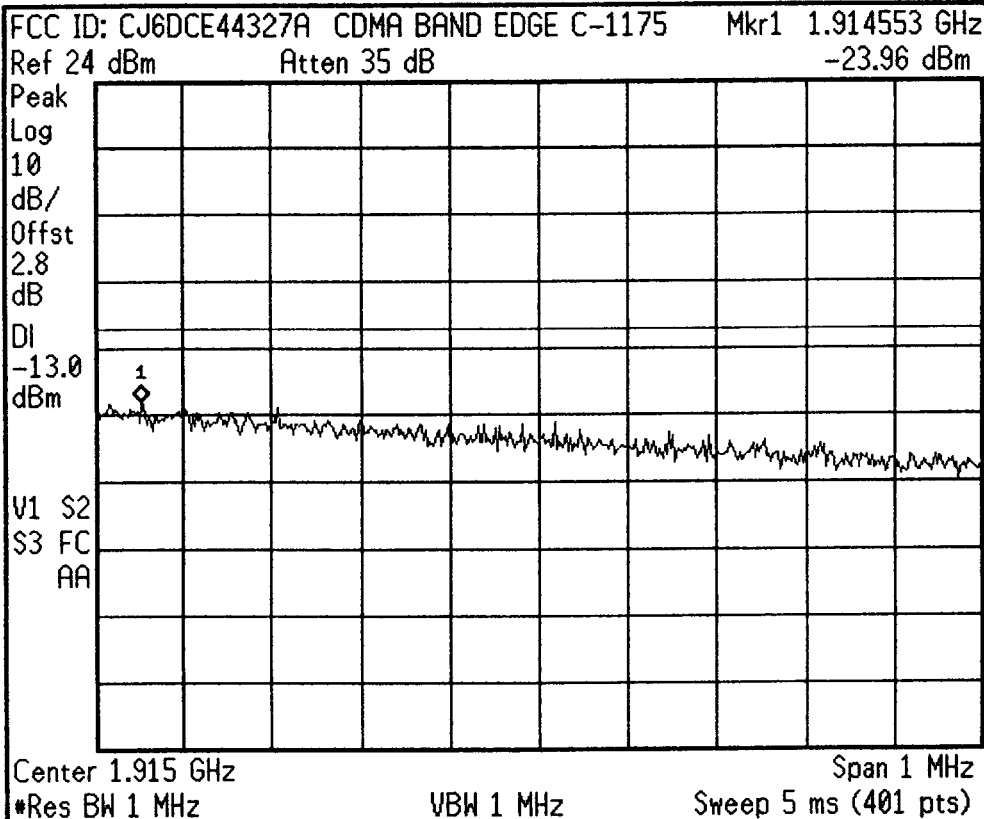
Freq/Channel
Center Freq 1.91300000 GHz
Start Freq 1.91250000 GHz
Stop Freq 1.91350000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 06:55:44 Apr 11, 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 06:56:25 Apr 11, 2001



Freq/Channel

Center Freq
 1.91500000 GHz

Start Freq
 1.91450000 GHz

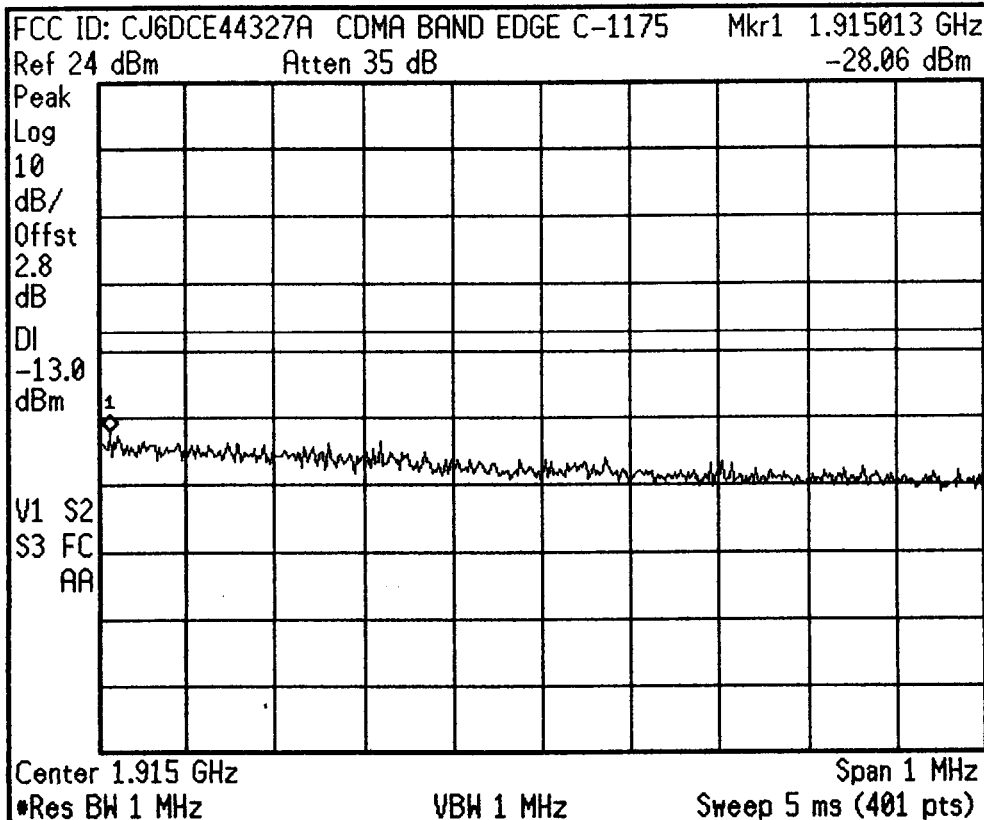
Stop Freq
 1.91550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 06:57:14 Apr 11, 2001



Freq/Channel

Center Freq
 1.91550000 GHz

Start Freq
 1.91500000 GHz

Stop Freq
 1.91600000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

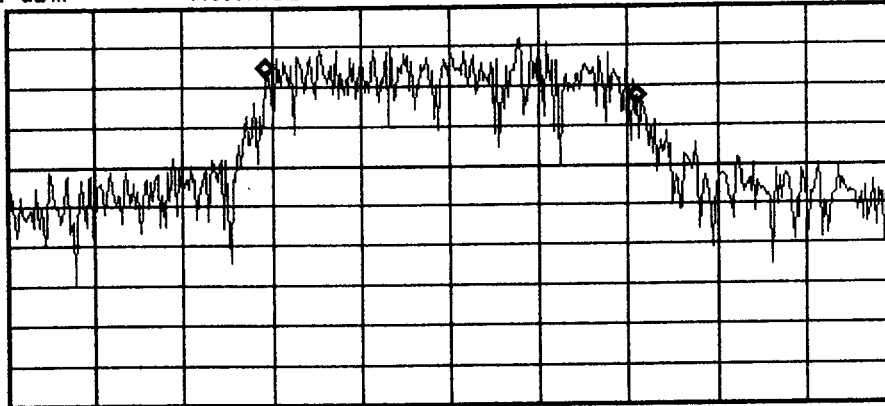
Signal Track
 On Off

FCC ID: CJ6DCE44327A PWR OUT PCS C-0600

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
2.8
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 1.772 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., Inc.

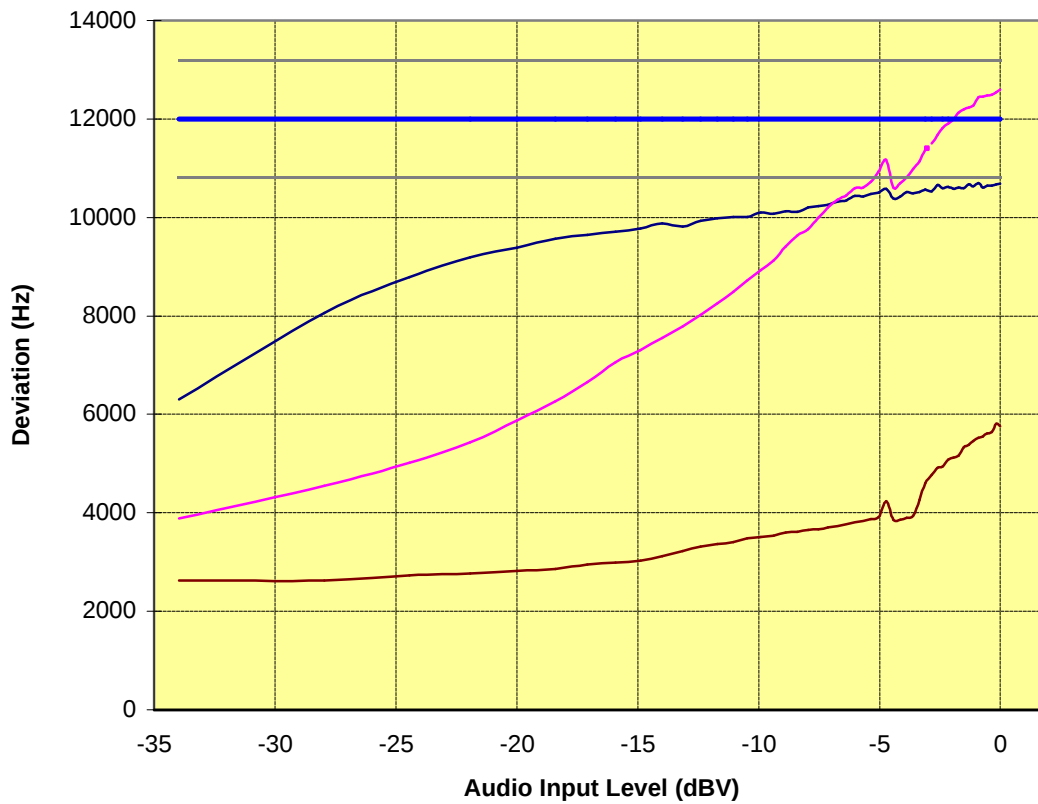
SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.210329215.CJ6
Test Date: 04.02-06.2001

EUT: TOSHIBA Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: CDM-9100
FCC ID: CJ6DCE44329A

REFERENCE: 1 kHz = 0 dB

Modulation Limiting



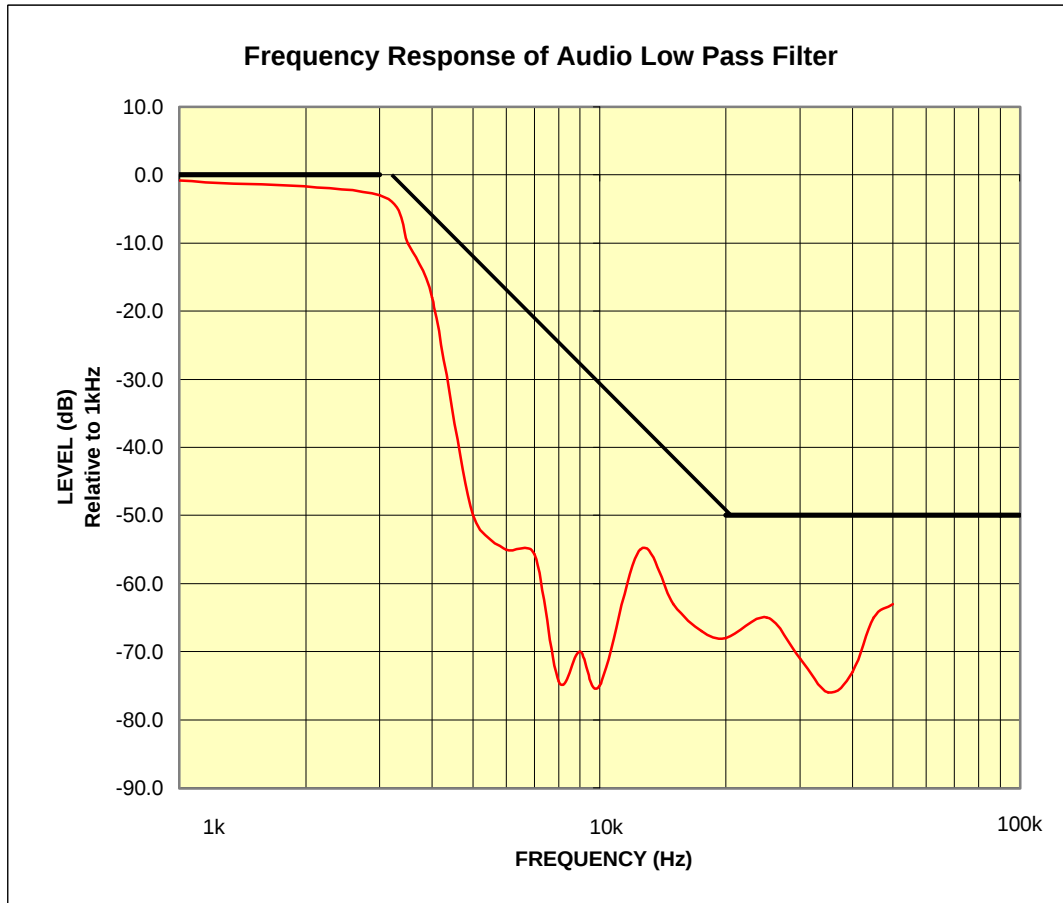
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.210329215.CJ6
Test Date: 04.02-06.2001

EUT: TOSHIBA Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: CDM-9100
FCC ID: CJ6DCE44329A

REFERENCE: 1 kHz = 0 dB



PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.210329215.CJ6
Test Date: 04.02-06.2001

EUT: TOSHIBA Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: CDM-9100
FCC ID: CJ6DCE44329A

REFERENCE: 1 kHz = 0 dB

