

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDB210

LGIC DUAL Mode

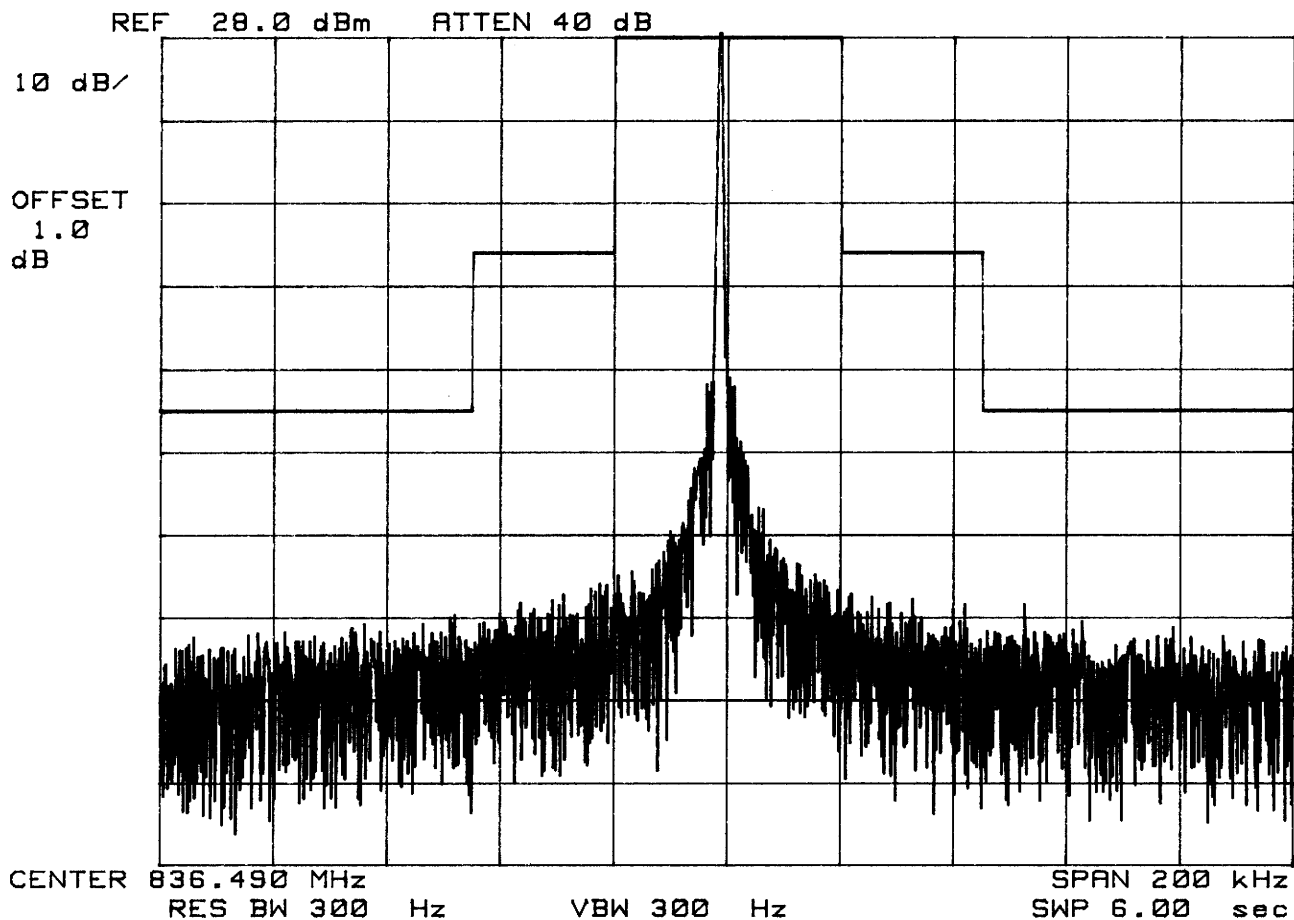
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDB210

LGIC

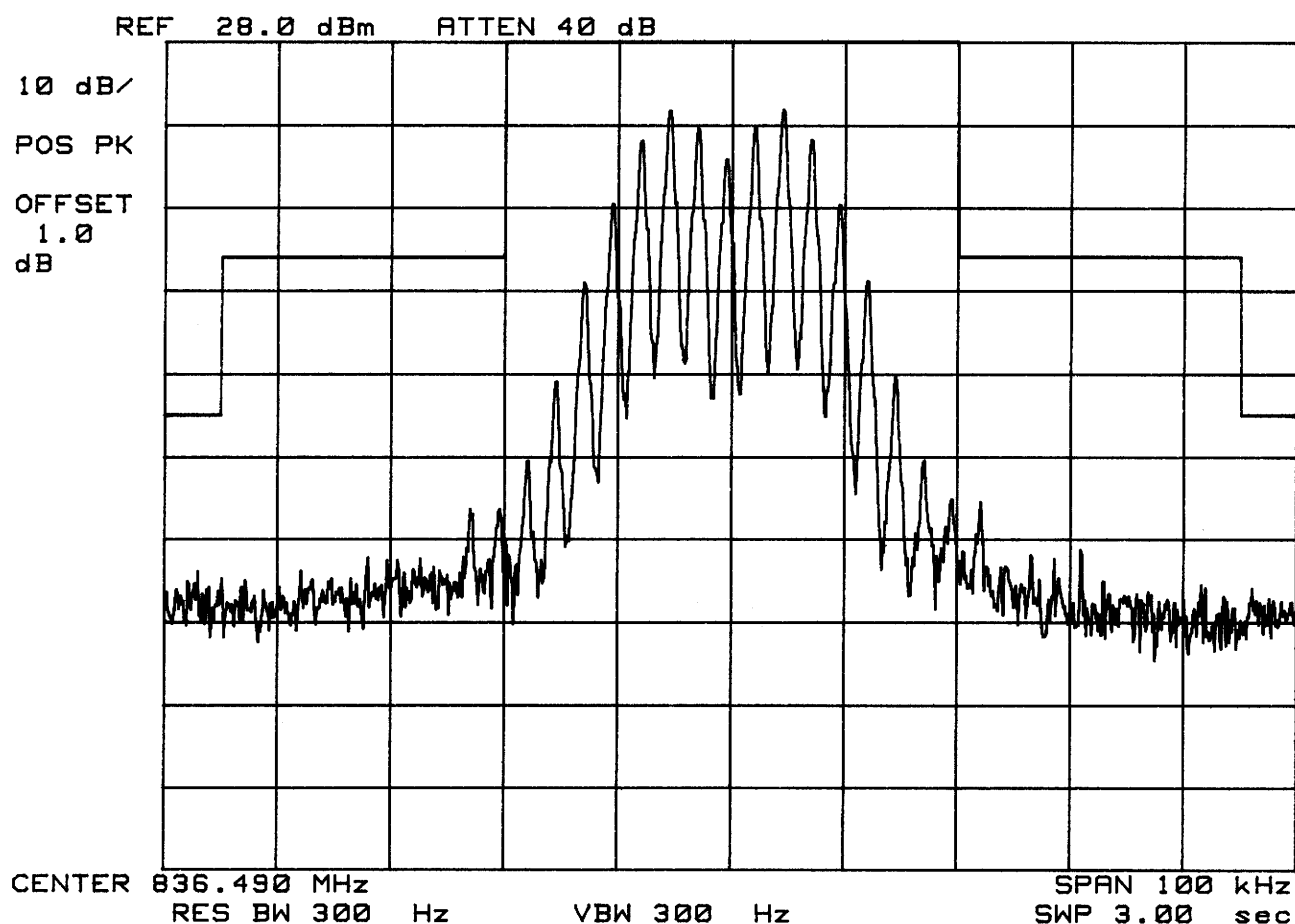
DUAL-BAND

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDB210

LGIC DUAL Mode

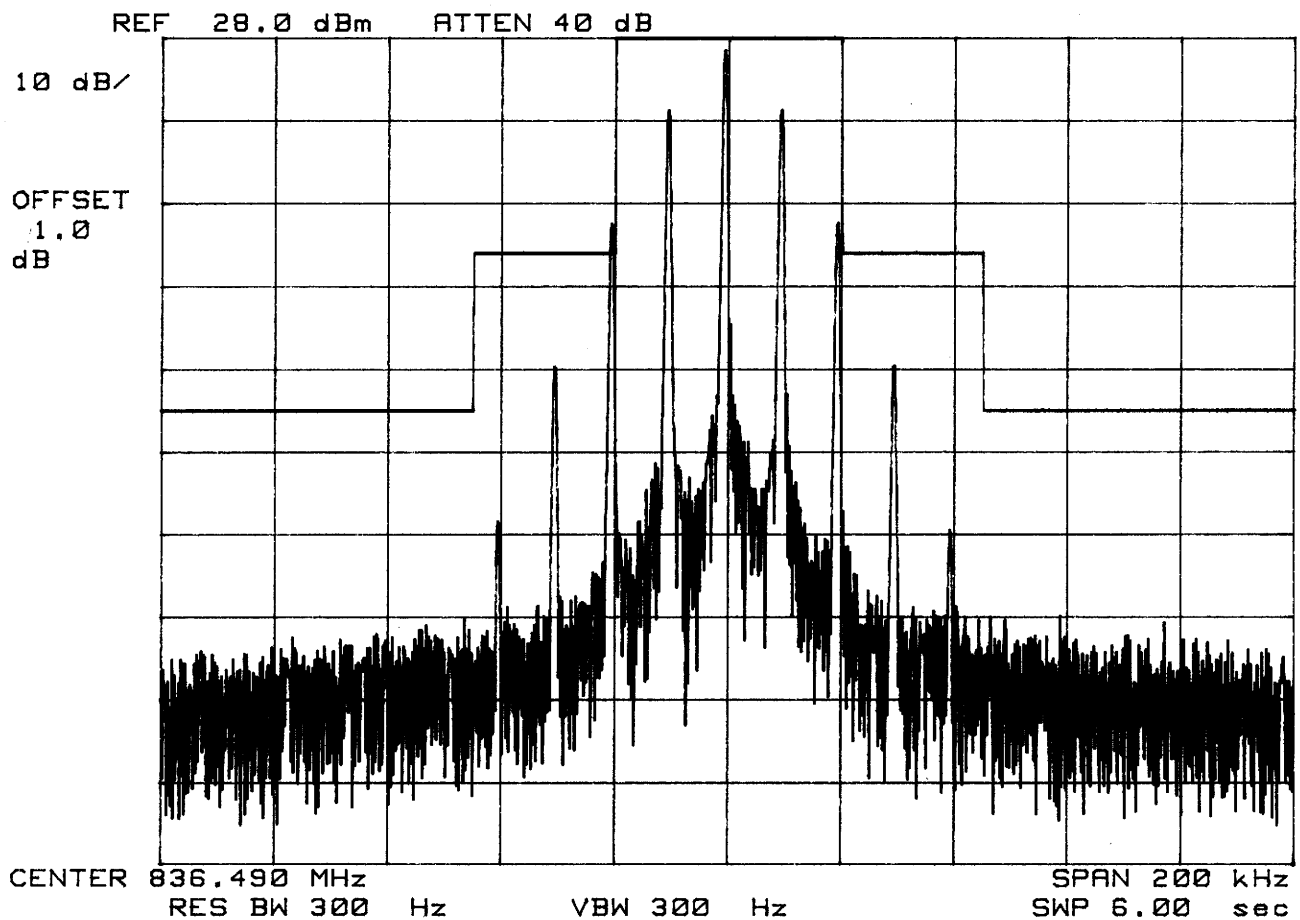
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDB210

LGIC DUAL BAND

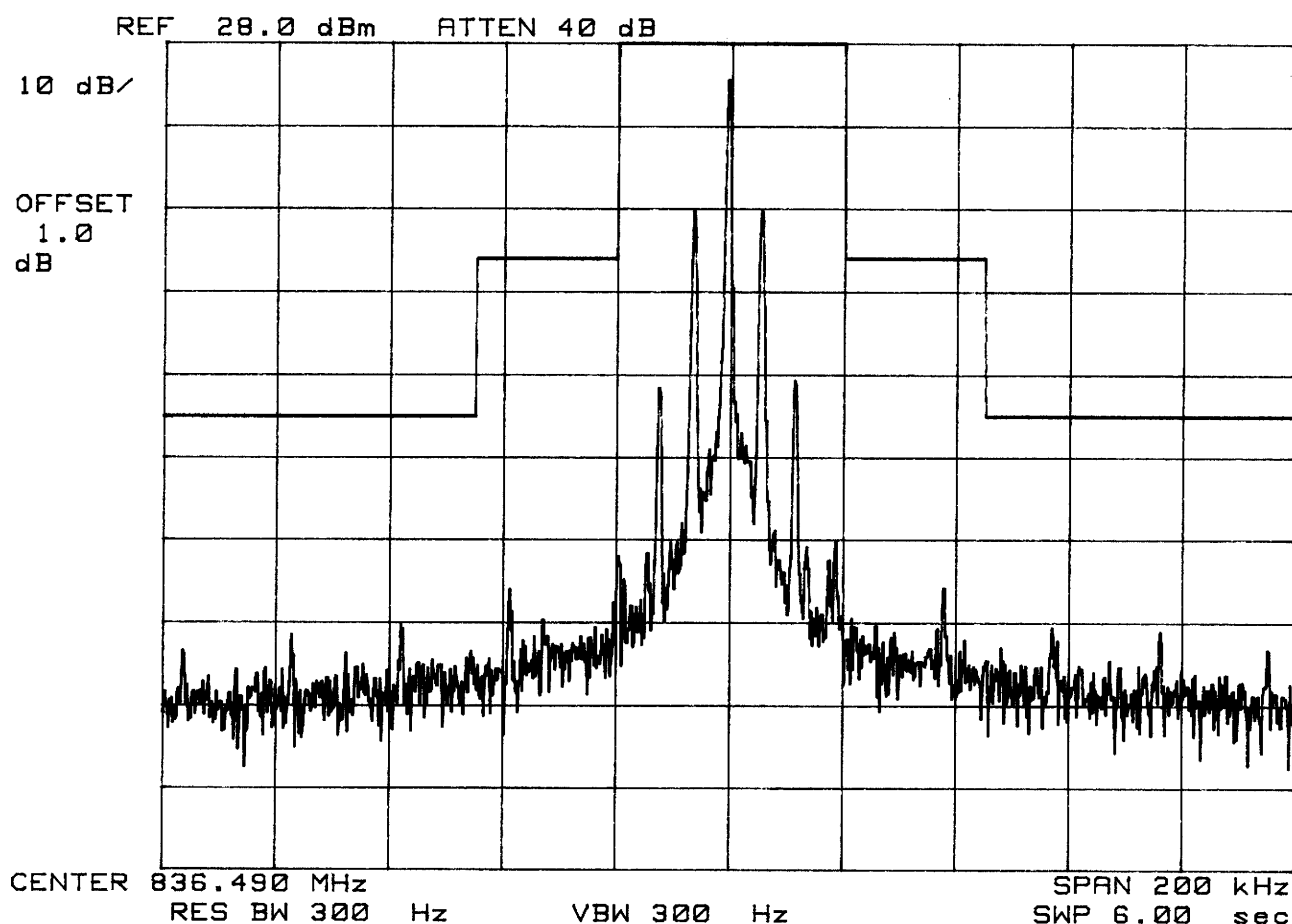
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDB210

LGIC DUAL BAND

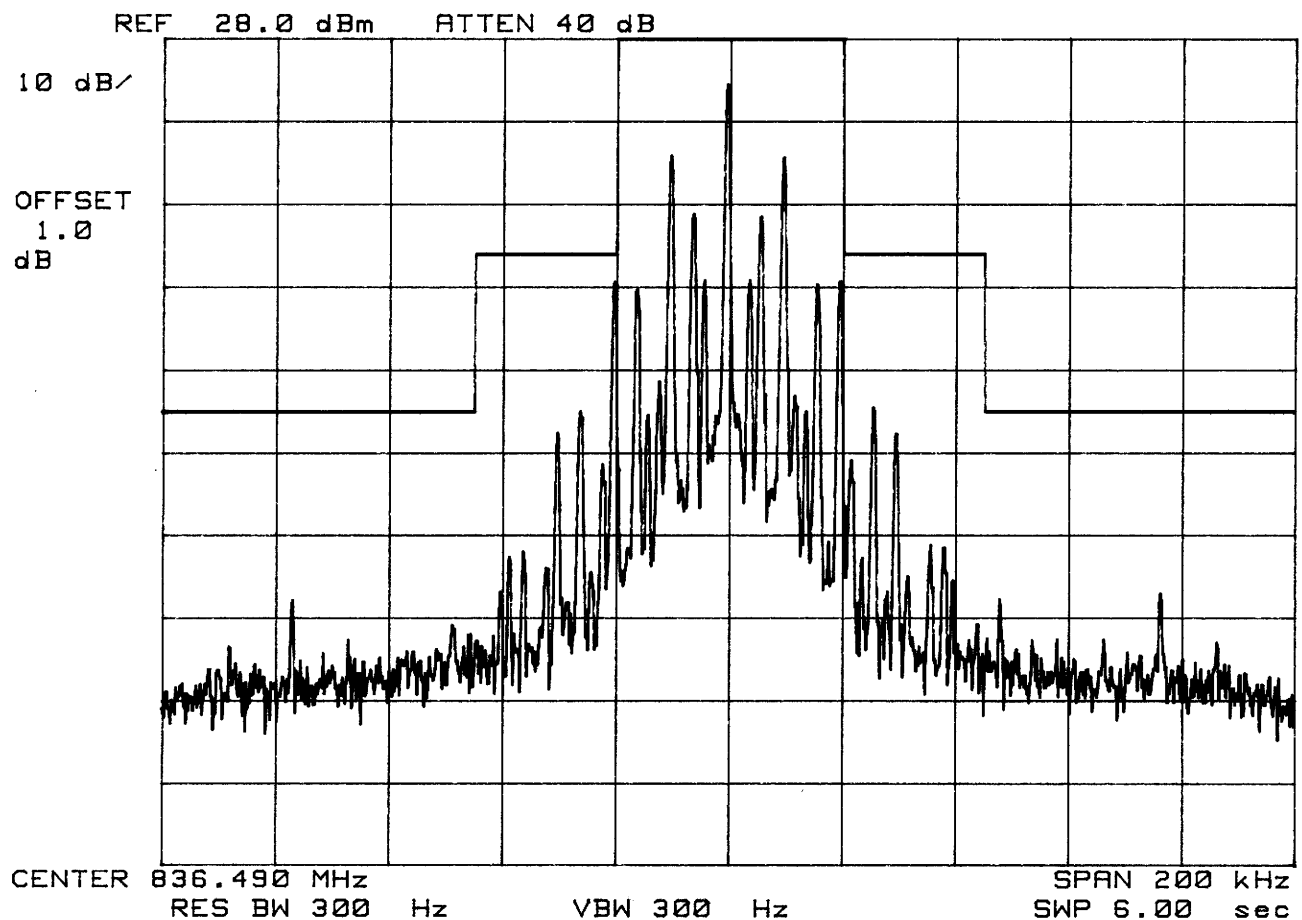
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT + ST





12:25:01 Mar 30, 2000

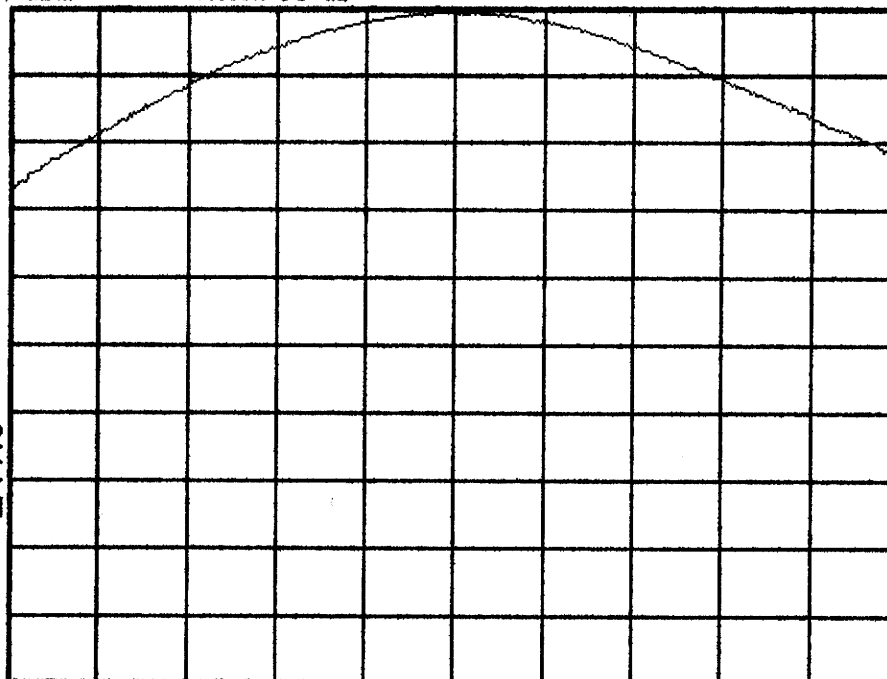
FCC ID:FFMDB210 PWR OUT C-0025

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
1
dB

PAvg
100
V1 S2
S3 FC
AA



Center 1.851 GHz

*Res BW 3 MHz

*VBW 3 MHz

Span 10 MHz

Sweep 5 ms

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



12:37:11 Mar 30, 2000

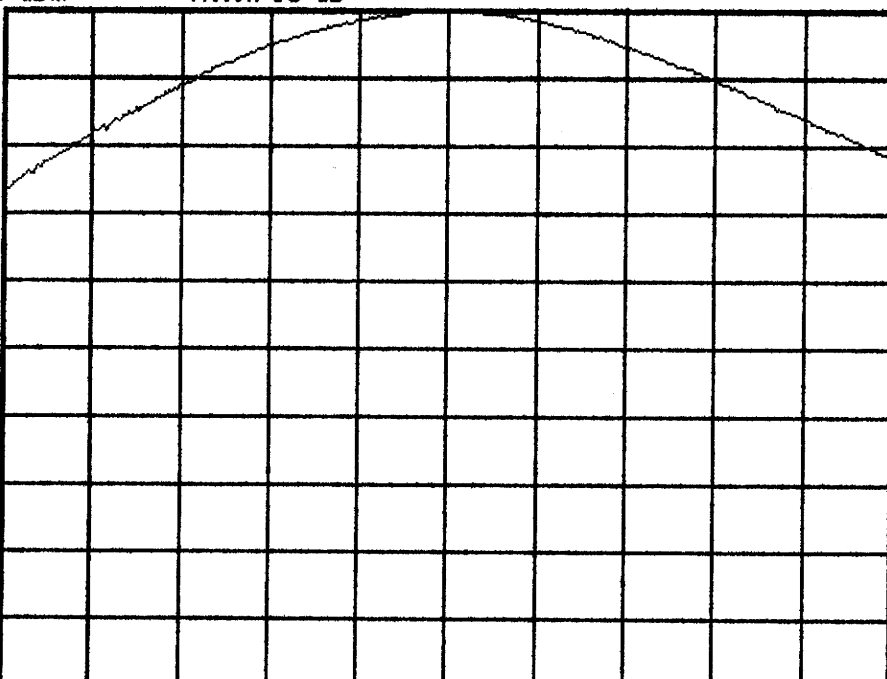
FCC ID:FFMDB210 PWR OUT C-0600

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
1
dB

PAvg
100
W1 S2
S3 FC
AA



Center 1.88 GHz

*Res BW 3 MHz

*VBW 3 MHz

Span 10 MHz

Sweep 5 ms

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

hp 12:42:21 Mar 30, 2000

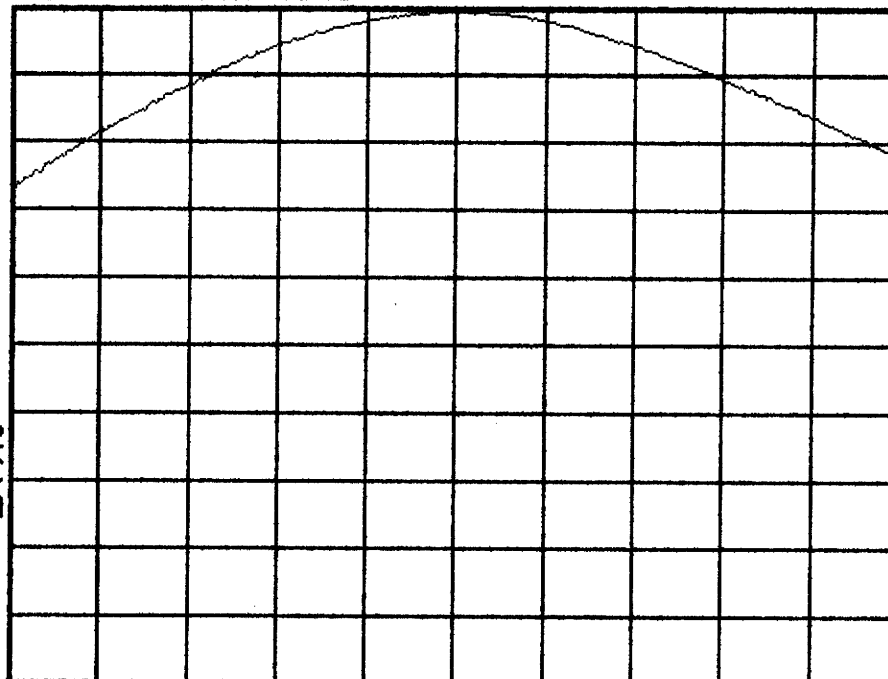
FCC ID:FFMDB210 PWR OUT C-0600

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
1
dB

PAvg
100
W1 S2
S3 FC
AA



Center 1.88 GHz

*Res BW 3 MHz

*VBW 3 MHz

Span 10 MHz

Sweep 5 ms

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

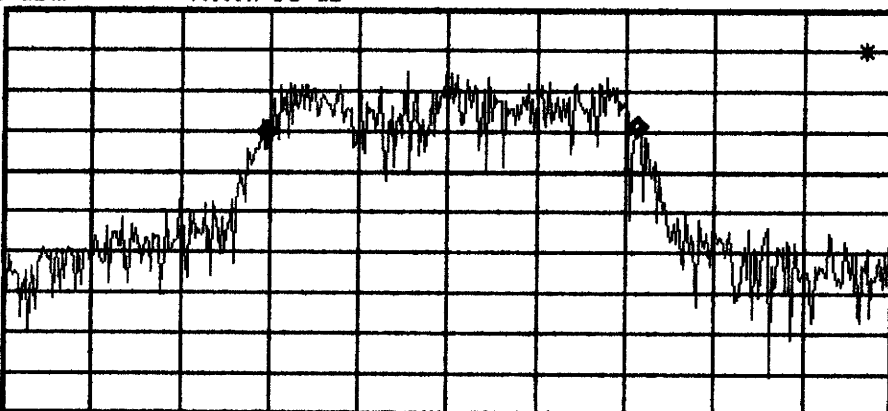
hp 12:57:54 Mar 30, 2000

FCC ID:FFMTM210 C-0600

Ref 24 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
1
dB



Center 1.88 GHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz

Sweep 9.167 ms

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

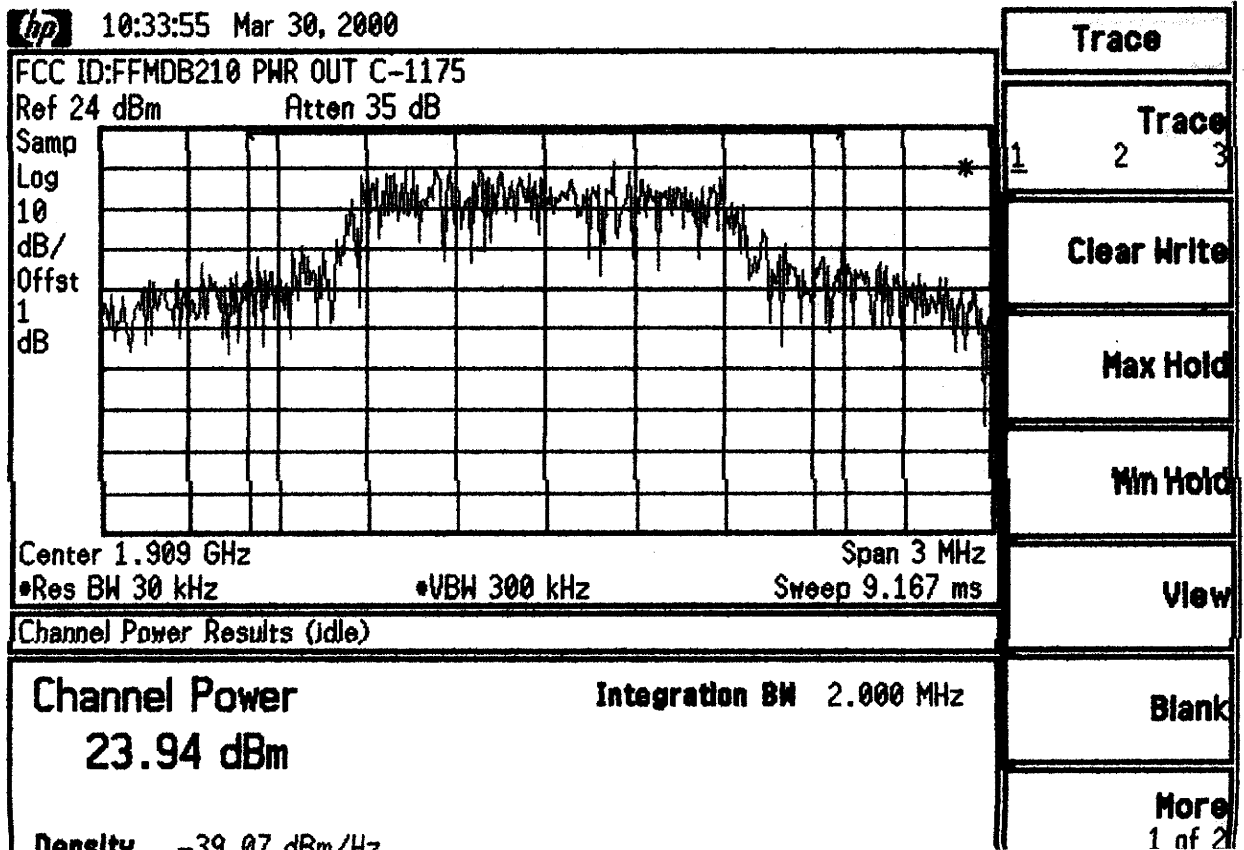
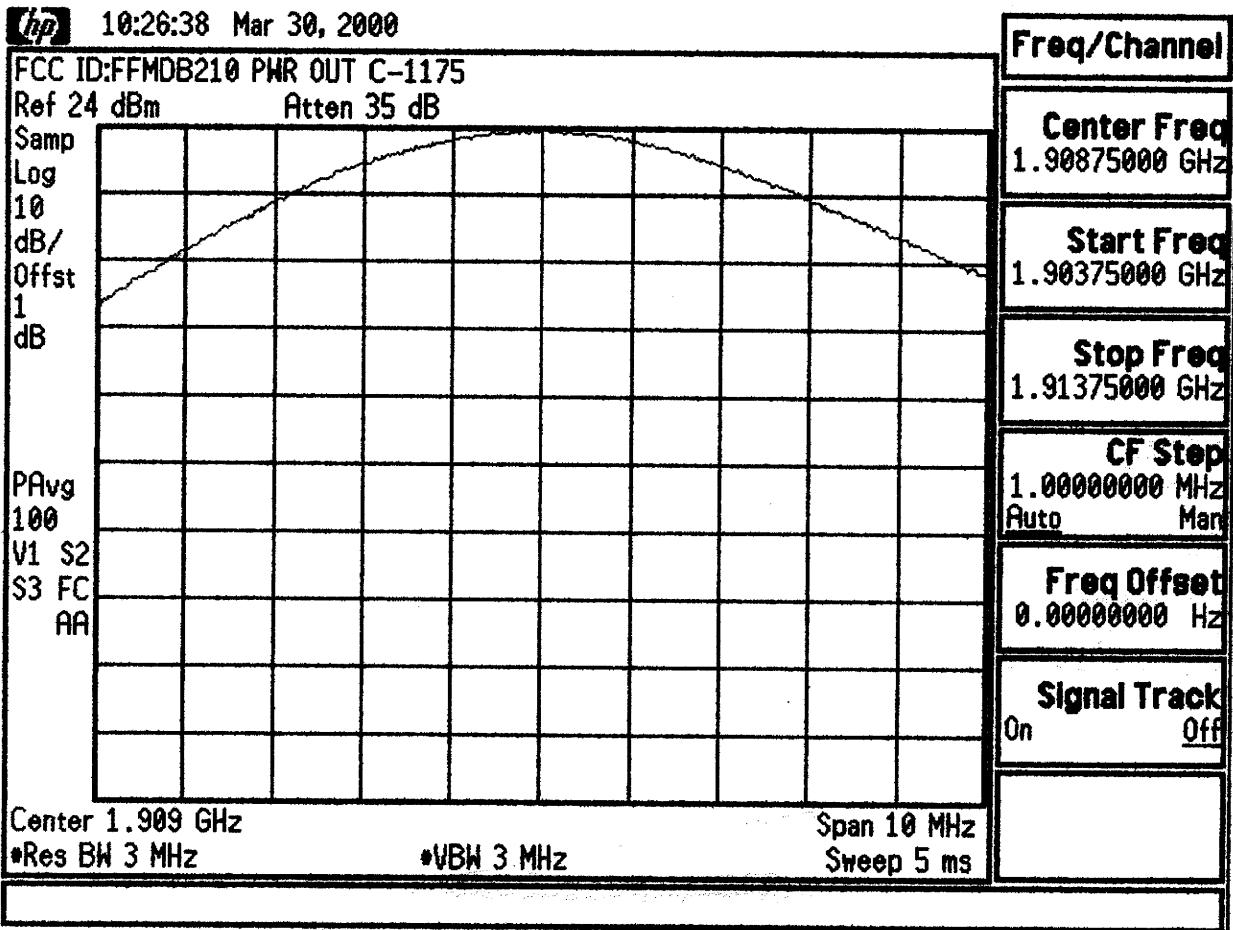
Occupied Bandwidth Results (Idle)

Occupied Bandwidth

1.253 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 9.387 kHz



hp 09:15:39 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA C-1013

Mkr1 1.653 GHz

Ref 25 dBm

Atten 35 dB

-28.2 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 09:17:08 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA C-1013

Mkr1 7.225 GHz

Ref 25 dBm

Atten 35 dB

-33.1 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 18.75 ms

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

hp 08:43:37 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA C-0777

Mkr1 1.697 GHz

Ref 25 dBm

Atten 35 dB

-31.04 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 08:49:15 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA C-0777

Mkr1 3.400 GHz

Ref 25 dBm

Atten 35 dB

-28.27 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 18.75 ms

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

hp 08:56:35 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA C-0363

Mkr1 1.672 GHz

Ref 25 dBm

Atten 35 dB

-29.52 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 09:01:57 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA C-0363

Mkr1 3.344 GHz

Ref 25 dBm

Atten 35 dB

-31.33 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 18.75 ms

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

hp 07:29:47 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS FM C-799

Mkr1 1.597 GHz

Ref 27.8 dBm

Atten 40 dB

-30 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 07:31:27 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS FM C-799

Mkr1 3.400 GHz

Ref 27.8 dBm

Atten 40 dB

-27.23 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 18.75 ms

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

hp 06:42:40 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS FM C-991

Mkr1 1.647 GHz

Ref 27.8 dBm

Atten 40 dB

-30.91 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 06:43:35 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS FM C-991

Mkr1 7.281 GHz

Ref 27.8 dBm

Atten 40 dB

-29.91 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 18.75 ms

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

hp 06:29:28 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS FM C-383

Mkr1 1.716 GHz

Ref 27.8 dBm

Atten 40 dB

-31.33 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 06:31:34 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS FM C-383

Mkr1 7.000 GHz

Ref 27.8 dBm

Atten 40 dB

-29.9 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 18.75 ms

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

hp 09:20:56 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA PCS C-0025

Mkr1 2.021 GHz

Ref 24 dBm

Atten 35 dB

-34.69 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 09:21:45 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA PCS C-0025

Mkr1 5.56 GHz

Ref 24 dBm

Atten 35 dB

-31.16 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 20 GHz

Sweep 175 ms

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

hp 09:25:09 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA PCS C-0600

Mkr1 2.369 GHz

Ref 24 dBm

Atten 35 dB

-35.48 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 09:26:09 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA PCS C-0600

Mkr1 5.65 GHz

Ref 24 dBm

Atten 35 dB

-29.62 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 20 GHz

Sweep 175 ms

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

hp 09:27:55 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA PCS C-1175

Mkr1 2.239 GHz

Ref 24 dBm

Atten 35 dB

-33.94 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 6.225 ms

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

hp 09:28:40 Mar 30, 2000

FCC ID:FFMDB210 CON SPURS CDMA PCS C-1175

Mkr1 5.74 GHz

Ref 24 dBm

Atten 35 dB

-27.87 dBm

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 20 GHz

Sweep 175 ms

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