

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM110

LGIC DUAL MODE PHONE

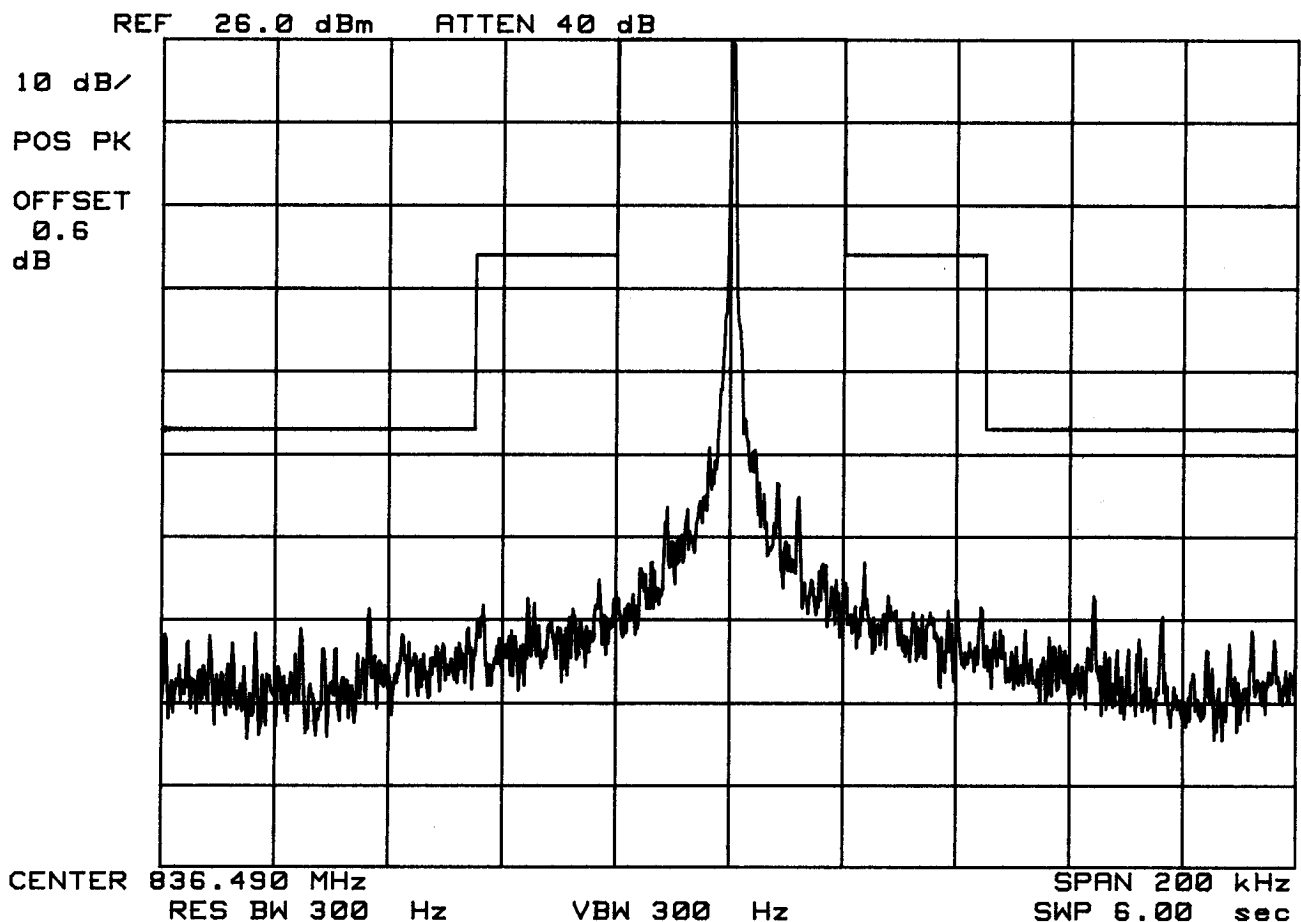
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM110

LGIC DUAL MODE PHONE

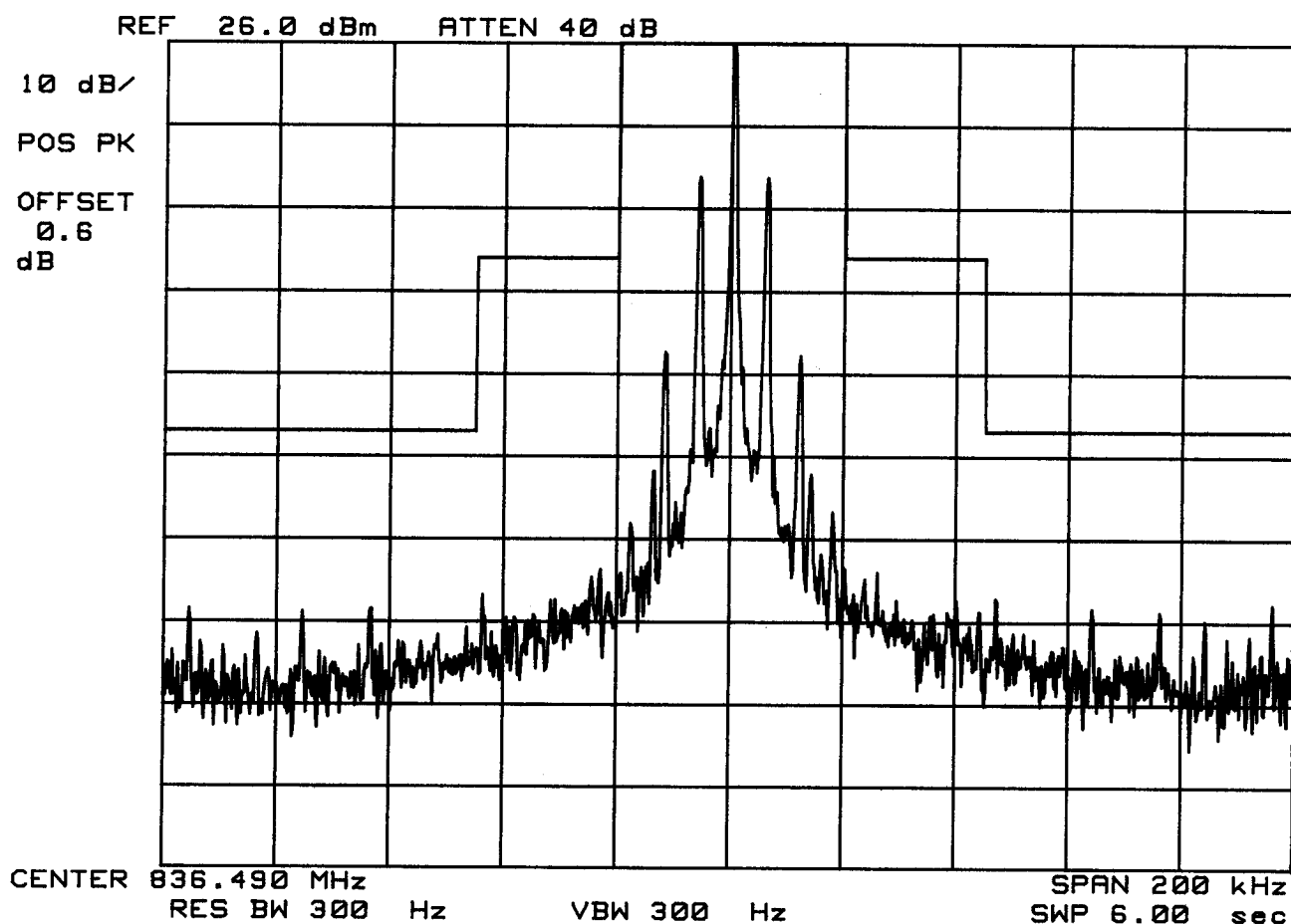
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM110

LGIC DUAL MODE PHONE

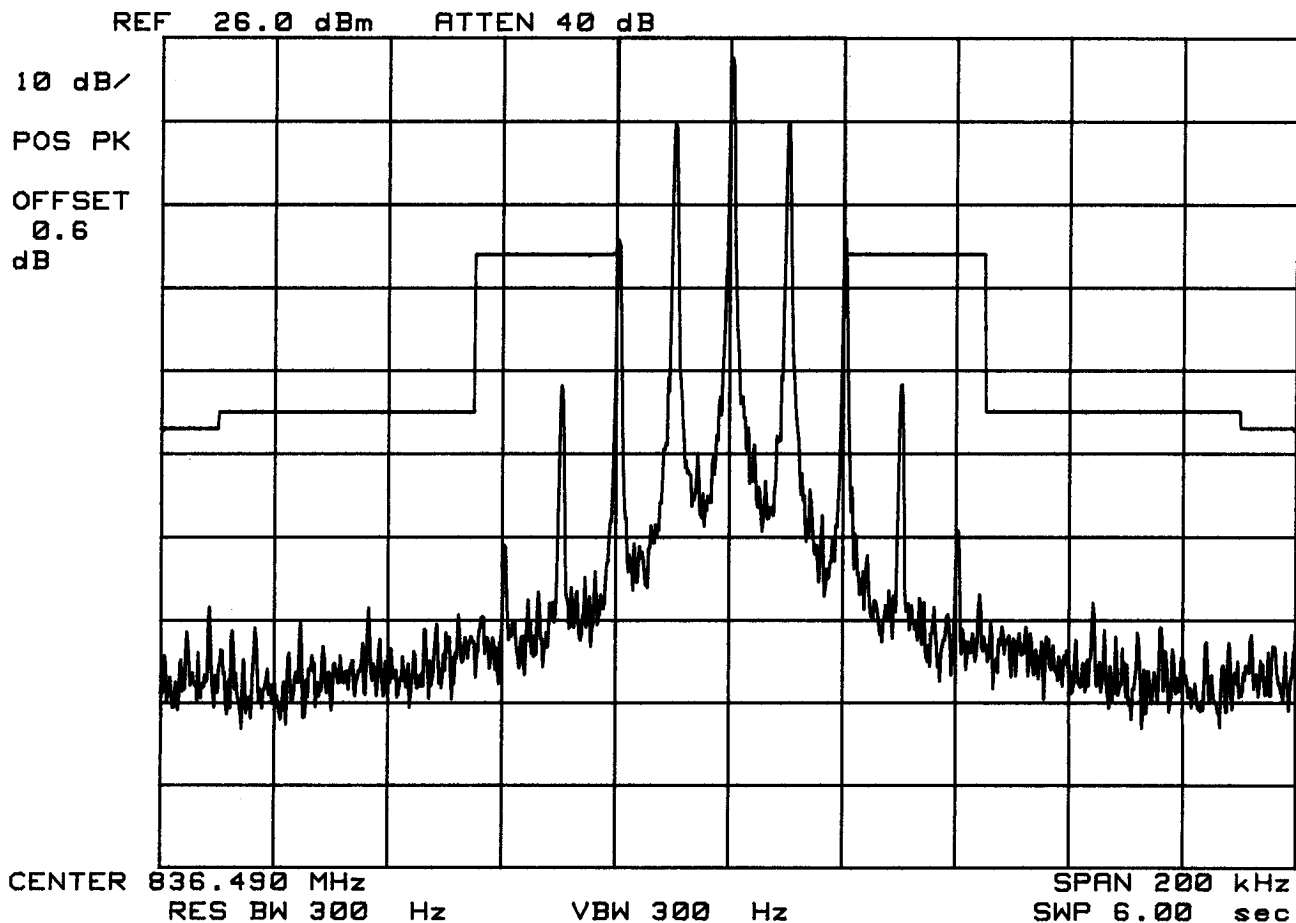
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM110

LGIC DUAL MODE PHONE

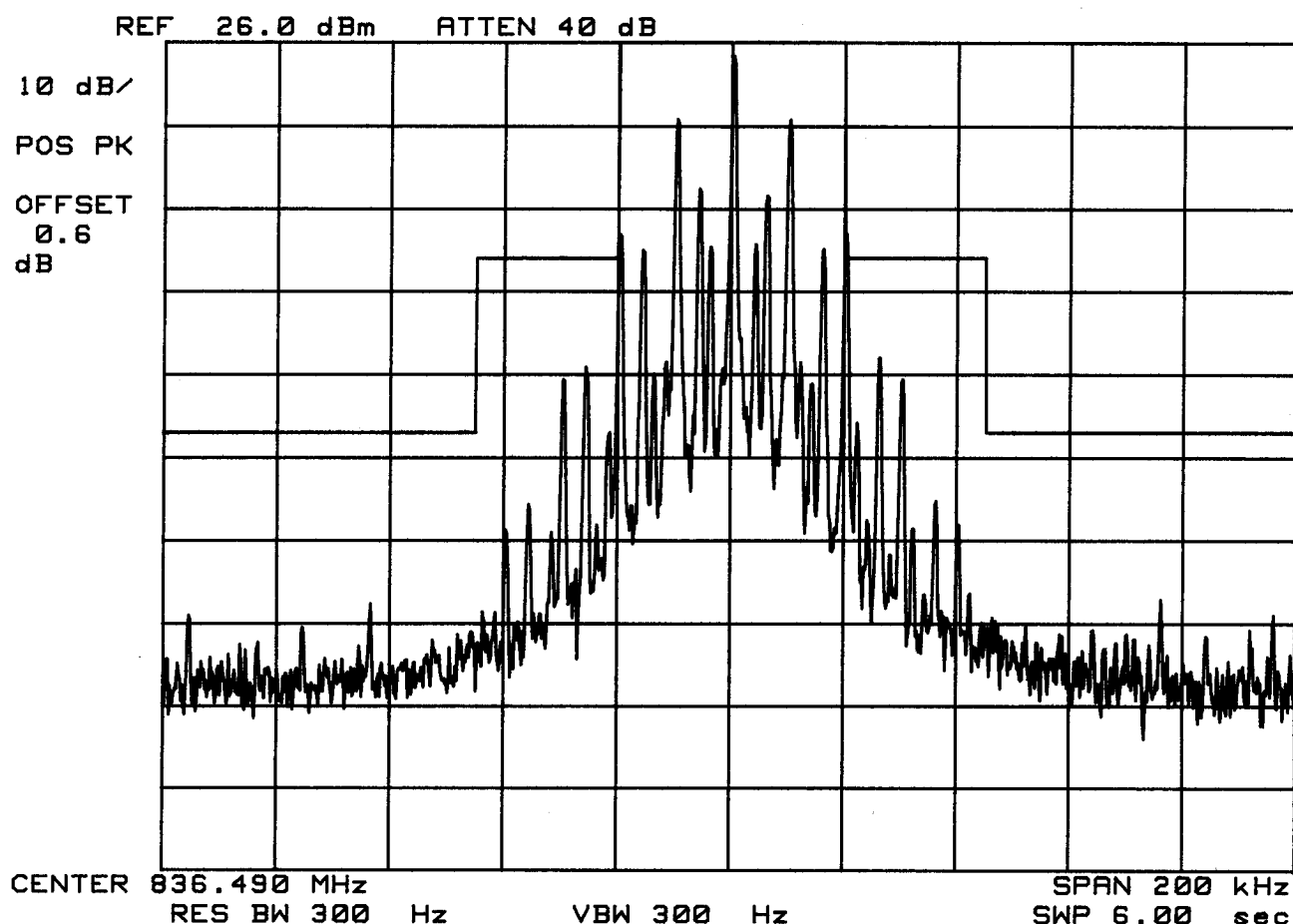
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM110

LGIC DUAL MODE PHONE

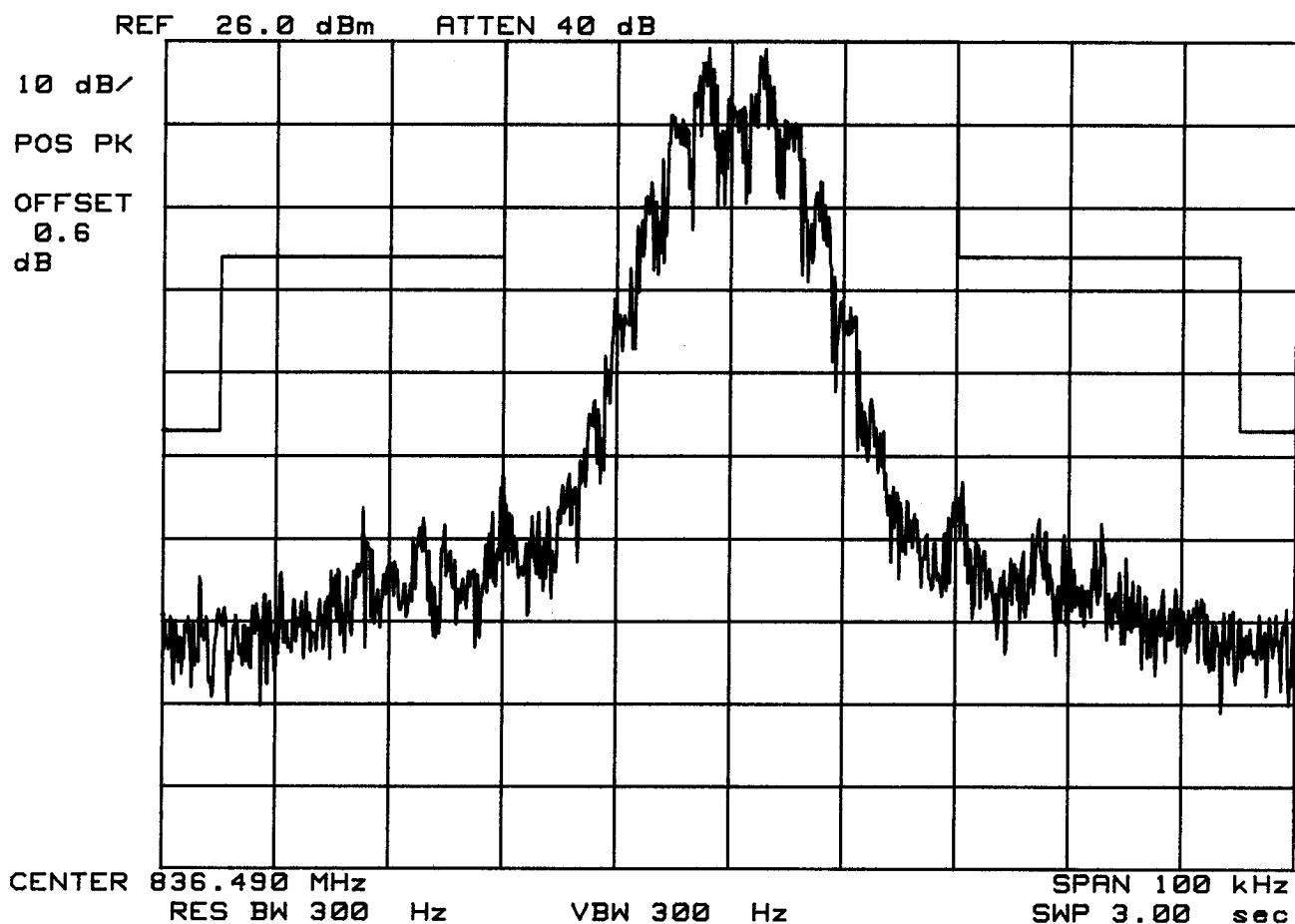
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM110

LGIC DUAL MODE PHONE

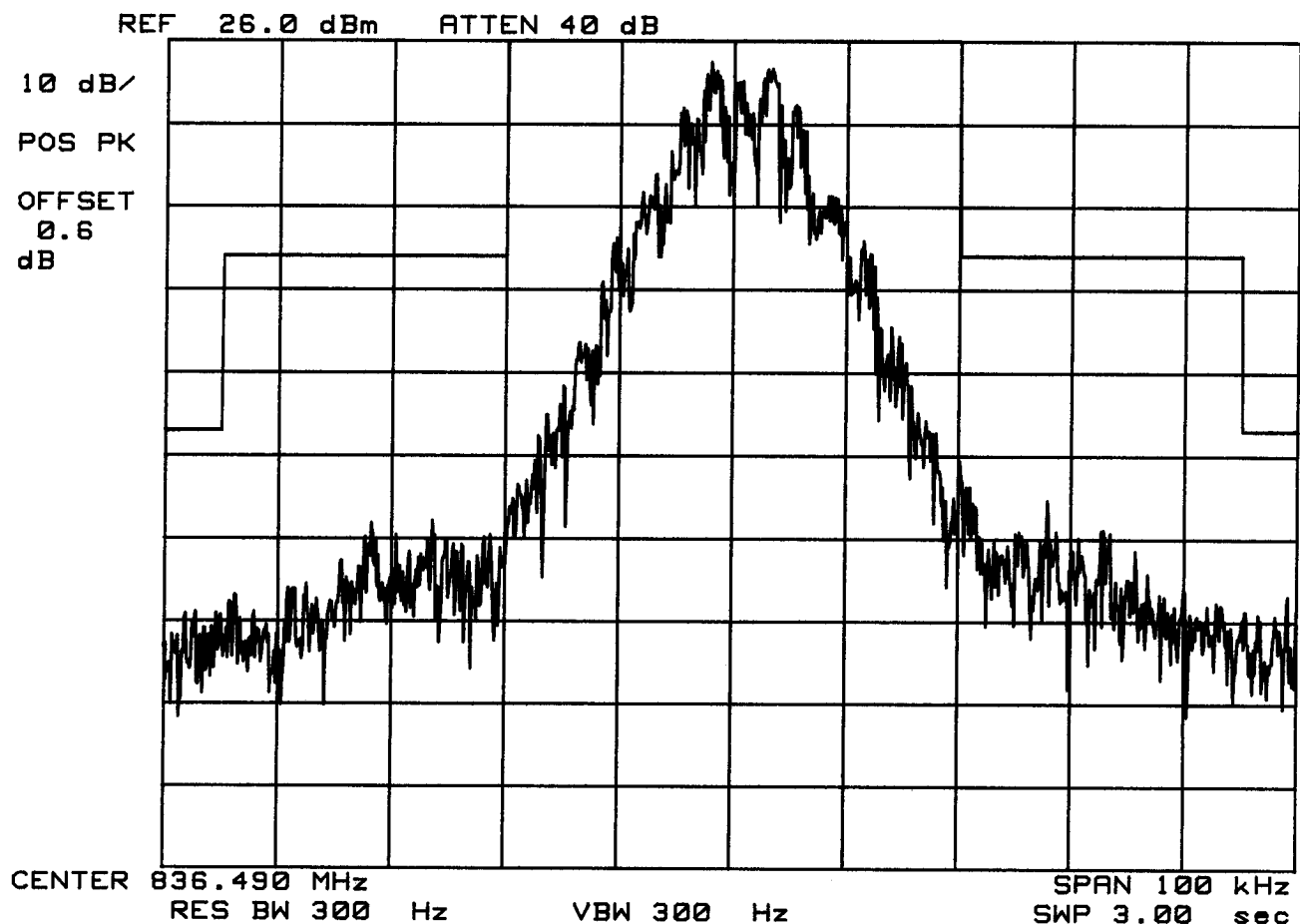
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + Voice





07:50:07 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-0363

Ref 25 dBm

Atten 35 dB

Samp

Log

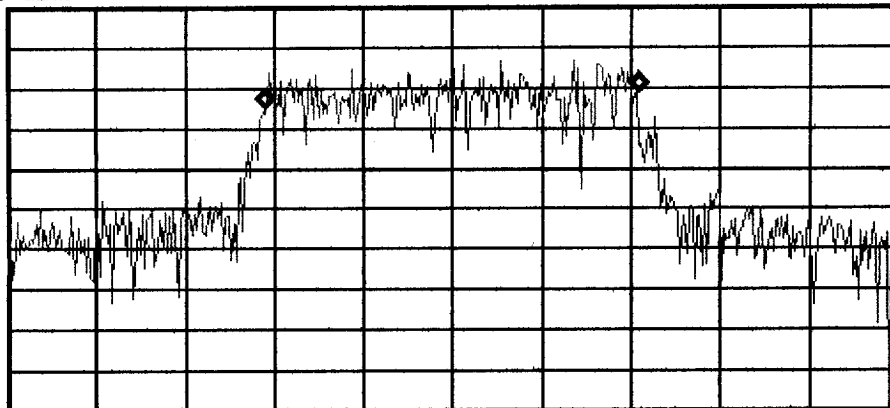
10

dB/

Offst

0.6

dB



Center 835.9 MHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms

Occupied Bandwidth Results (idle)

Occupied Bandwidth

Occ BW % Pwr 99.00 %

1.250 MHz

Transmit Freq Error -2.705 kHz

Measure

Meas Off

ACP

Channel Power

Occupied BW

Emission BW

Harmonic Dist



07:45:54 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-1017 PWR OUT

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

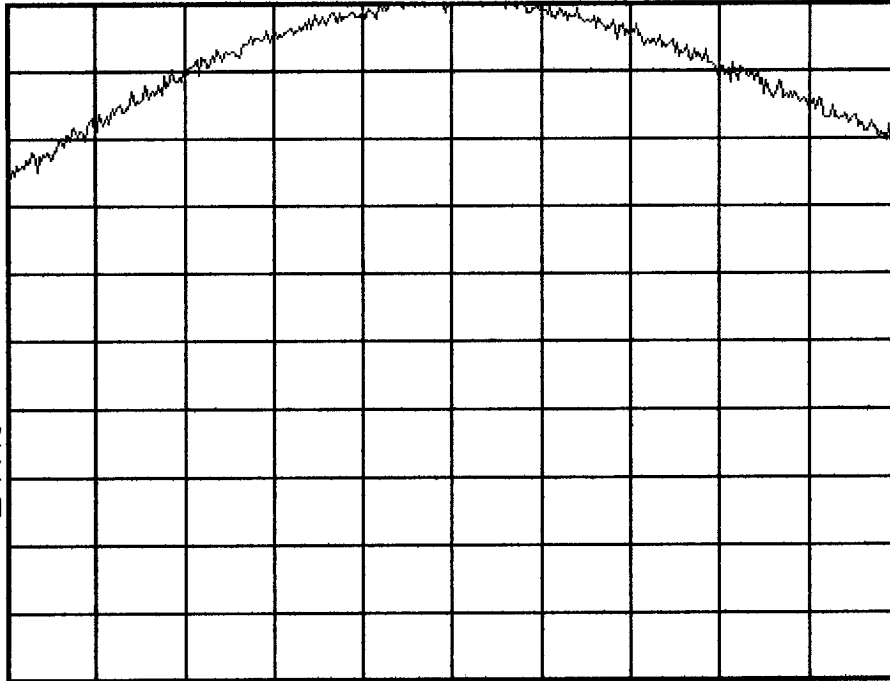
0.6

dB

S1 S2

V3 FC

AA



Center 824.8 MHz

*Res BW 3 MHz

*VBW 3 MHz

Span 10 MHz

Sweep 5 ms

Trace

Trace

1

2

3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2



07:35:07 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-0363 PWR OUT

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

0.6

dB

S1 S2

V3 FC

AA

Center 835.9 MHz

*Res BW 3 MHz

*VBW 3 MHz

Span 10 MHz

Sweep 5 ms

Freq/Channel

Center Freq

835.890000 MHz

Start Freq

830.890000 MHz

Stop Freq

840.890000 MHz

CF Step

1.00000000 MHz

Auto

Man

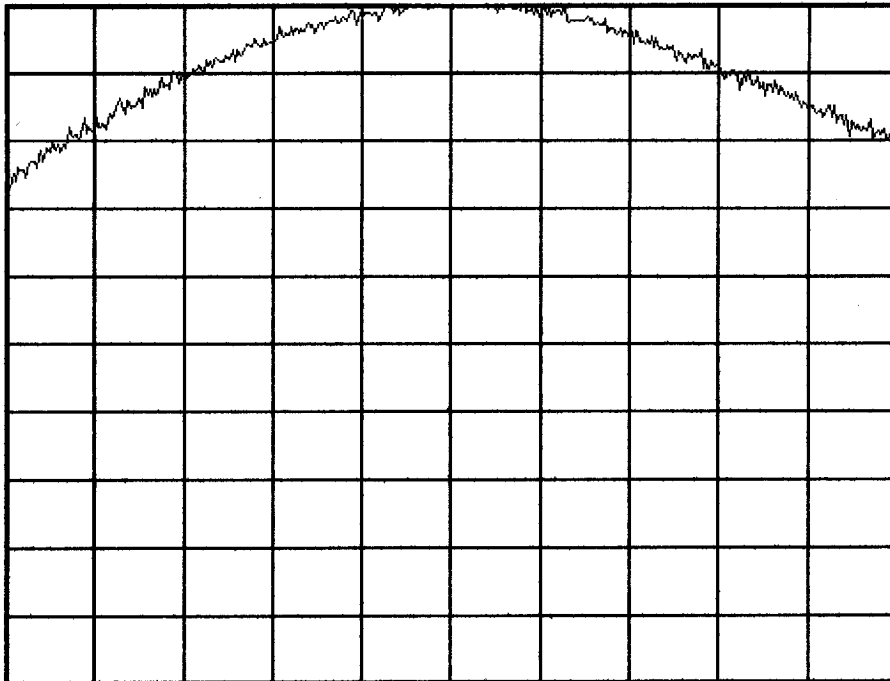
Freq Offset

0.00000000 Hz

Signal Track

On

Off





07:26:26 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-1017 CON SPURS

Mkr1 2.772 GHz

Ref 25 dBm

Atten 35 dB

-32.68 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

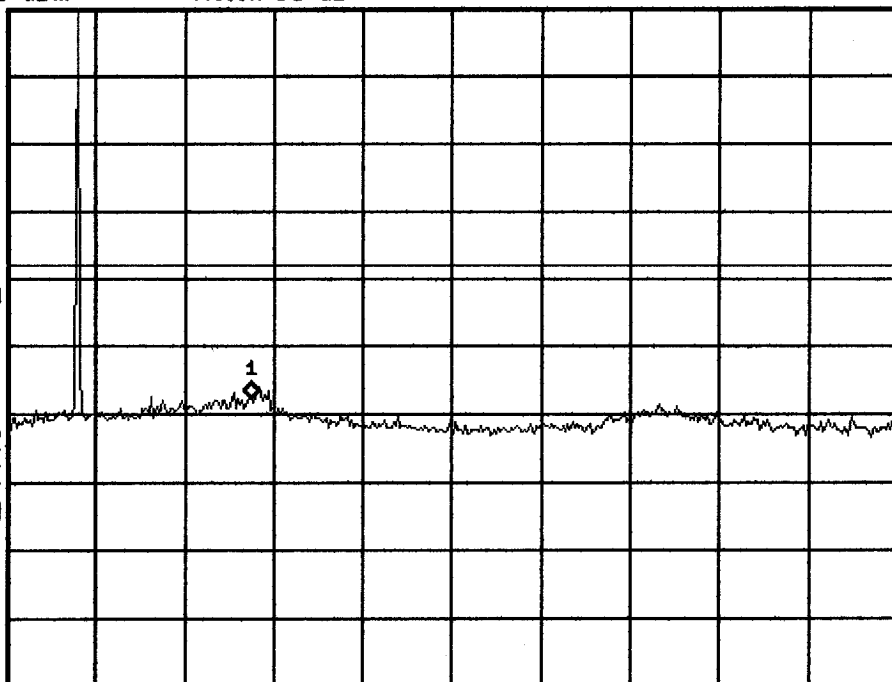
-13.0

dBm

S1 S2

V3 FC

AA



Start 30 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 10 GHz

Sweep 24.93 ms

Freq/Channel

Center Freq

5.01500000 GHz

Start Freq

30.0000000 MHz

Stop Freq

10.0000000 GHz

CF Stop

997.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off



07:29:22 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-0363 CON SPURS

Mkr1 2.348 GHz

Ref 25 dBm

Atten 35 dB

-32 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

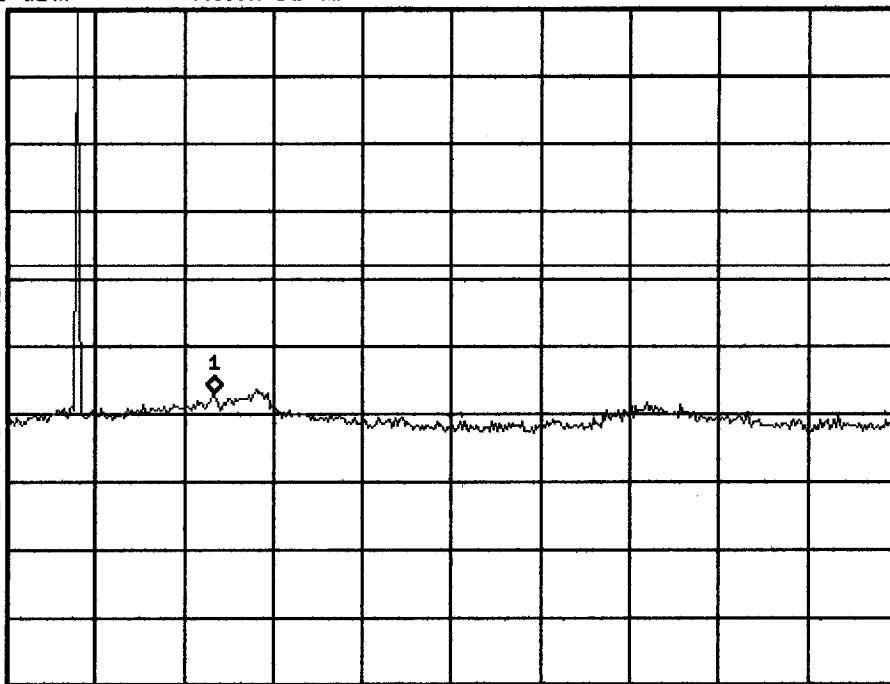
-13.0

dBm

S1 S2

V3 FC

AA



Start 30 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 10 GHz

Sweep 24.93 ms

Marker

Select Marker

1 2 3 4

Normal

Delta

Band Pair

Start Stop

Span Pair

Span Center

Off

More

1 of 2



07:08:12 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-773 CON SPURS

Mkr1 2.896 GHz

Ref 25 dBm

Atten 35 dB

-31.77 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

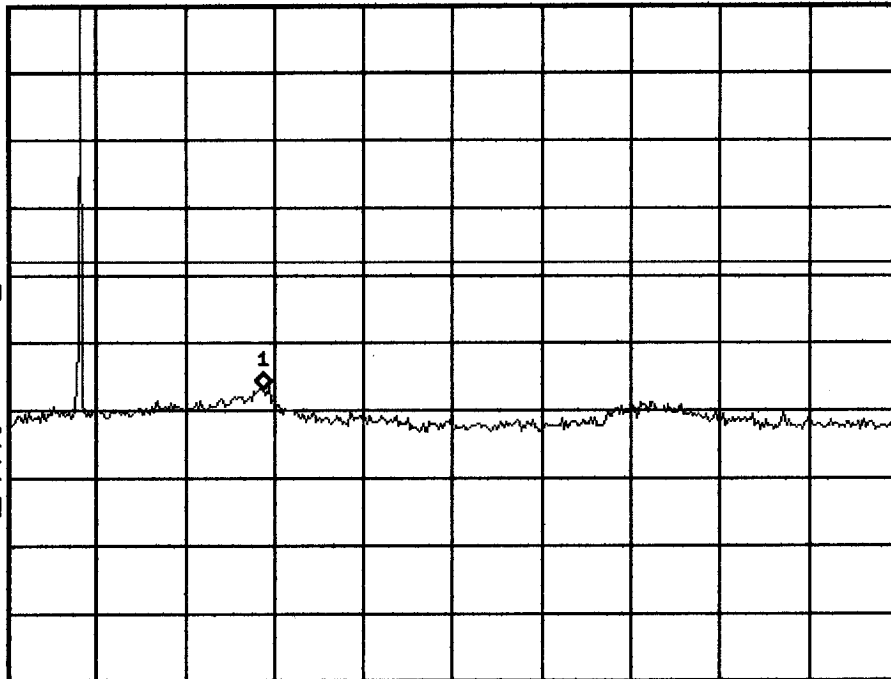
-13.0

dBm

S1 S2

V3 FC

AA



Start 30 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 10 GHz

Sweep 24.93 ms

Trace

Trace

1

2

3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2



07:22:30 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-1017 BAND EDGE

Mkr1 824.000 MHz

Ref 25 dBm

Atten 35 dB

-16.05 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

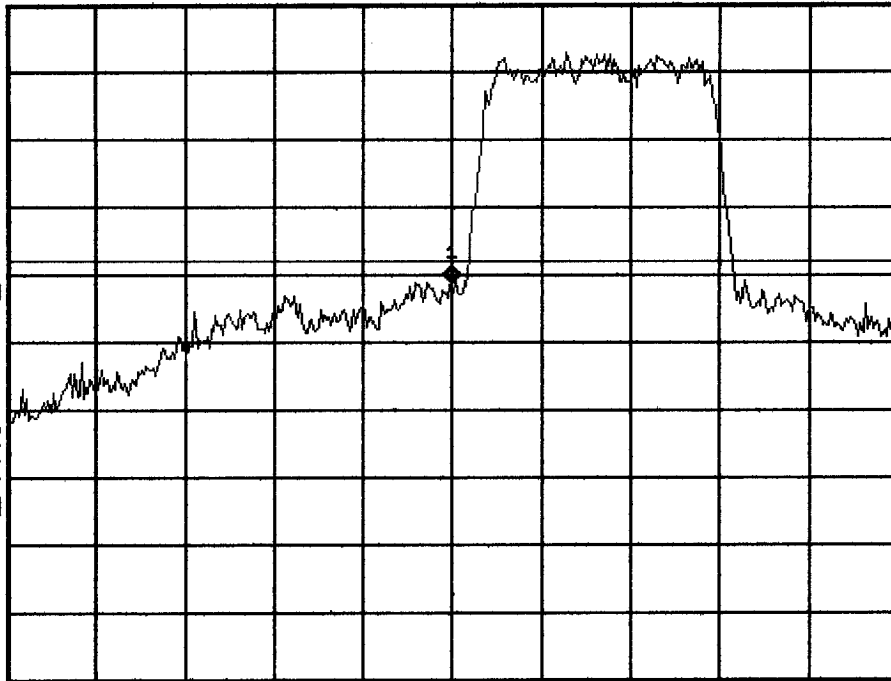
-13.0

dBm

S1 S2

V3 FC

AA



Center 824 MHz

Span 5 MHz

*Res BW 30 kHz

*VBW 30 kHz

Sweep 13.89 ms

Marker

Select Marker

1 2 3 4

Normal

Delta

Band Pair

Start Stop

Span Pair

Span Center

Off

More

1 of 2



07:18:27 Nov 18, 1999

FCC ID:FFMDM110 CDMA C-773 BAND EDGE

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

0.6

dB

DI

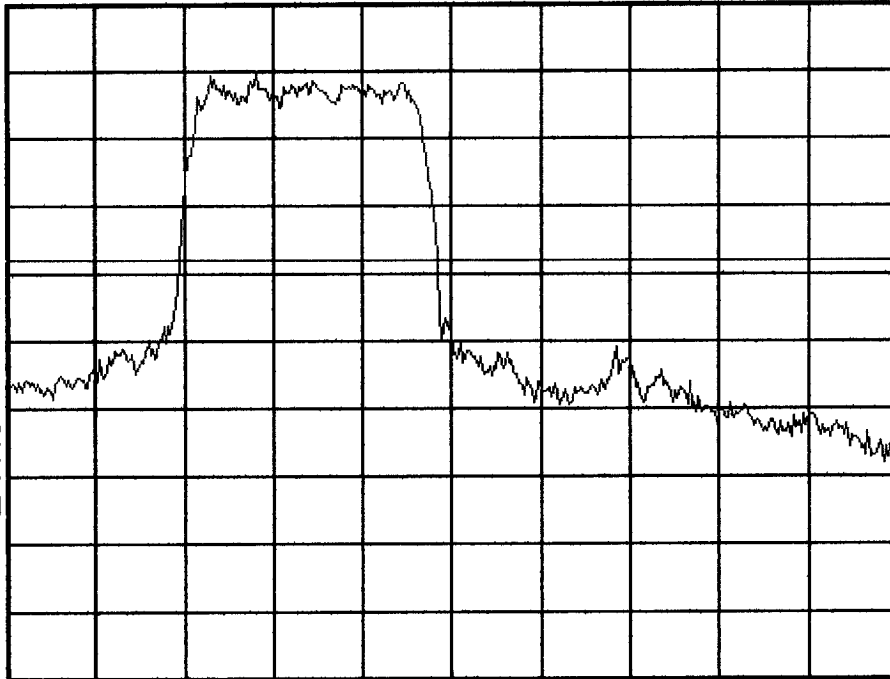
-13.0

dBm

S1 S2

V3 FC

AA



Center 849 MHz

*Res BW 30 kHz

VBW 30 kHz

Span 5 MHz

Sweep 13.89 ms

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



08:24:30 Nov 18, 1999

FCC ID:FFMDM110 FM CON SPURS C-991

Mkr1 2.822 GHz

Ref 26 dBm

Atten 40 dB

-29.79 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 30 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 10 GHz

Sweep 24.93 ms

Trace

Trace

1 2 3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2



08:18:26 Nov 18, 1999

FCC ID:FFMDM110 FM CON SPURS C-383

Mkr1 2.822 GHz

Ref 26 dBm

Atten 40 dB

-28.86 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 30 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 10 GHz

Sweep 24.93 ms

Trace

Trace

1 2 3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2



08:15:30 Nov 18, 1999

FCC ID:FFMDM110 FM CON SPURS C-799

Mkr1 2.822 GHz

Ref 26 dBm

Atten 40 dB

-29.65 dBm

Peak

Log

10

dB/

Offst

0.6

dB

DI

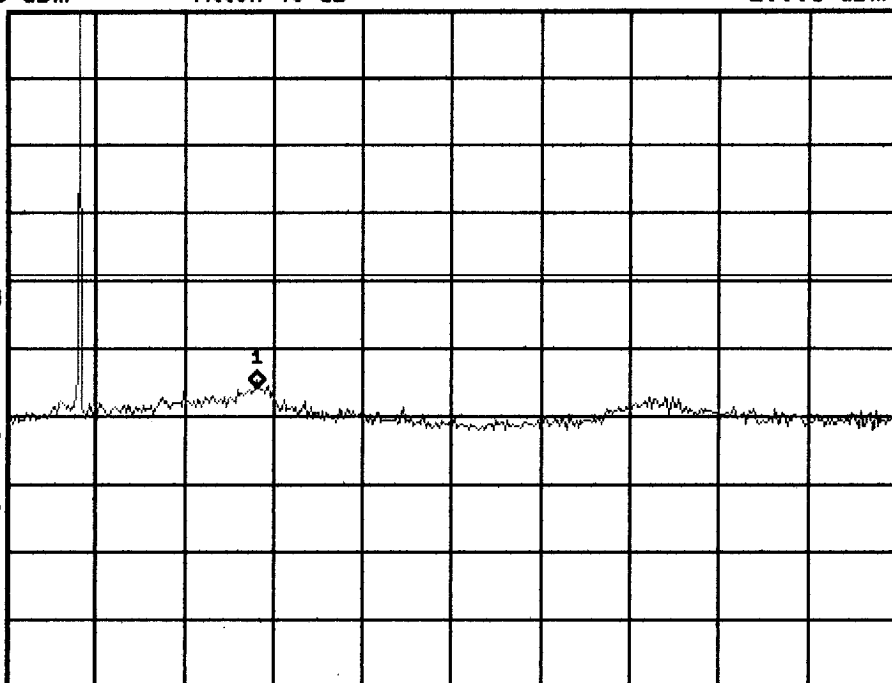
-13.0

dBm

V1 S2

S3 FC

AA



Start 30 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 10 GHz

Sweep 24.93 ms

Freq/Channel

Center Freq

5.01500005 GHz

Start Freq

30.0000000 MHz

Stop Freq

10.0000001 GHz

CF Step

997.000010 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

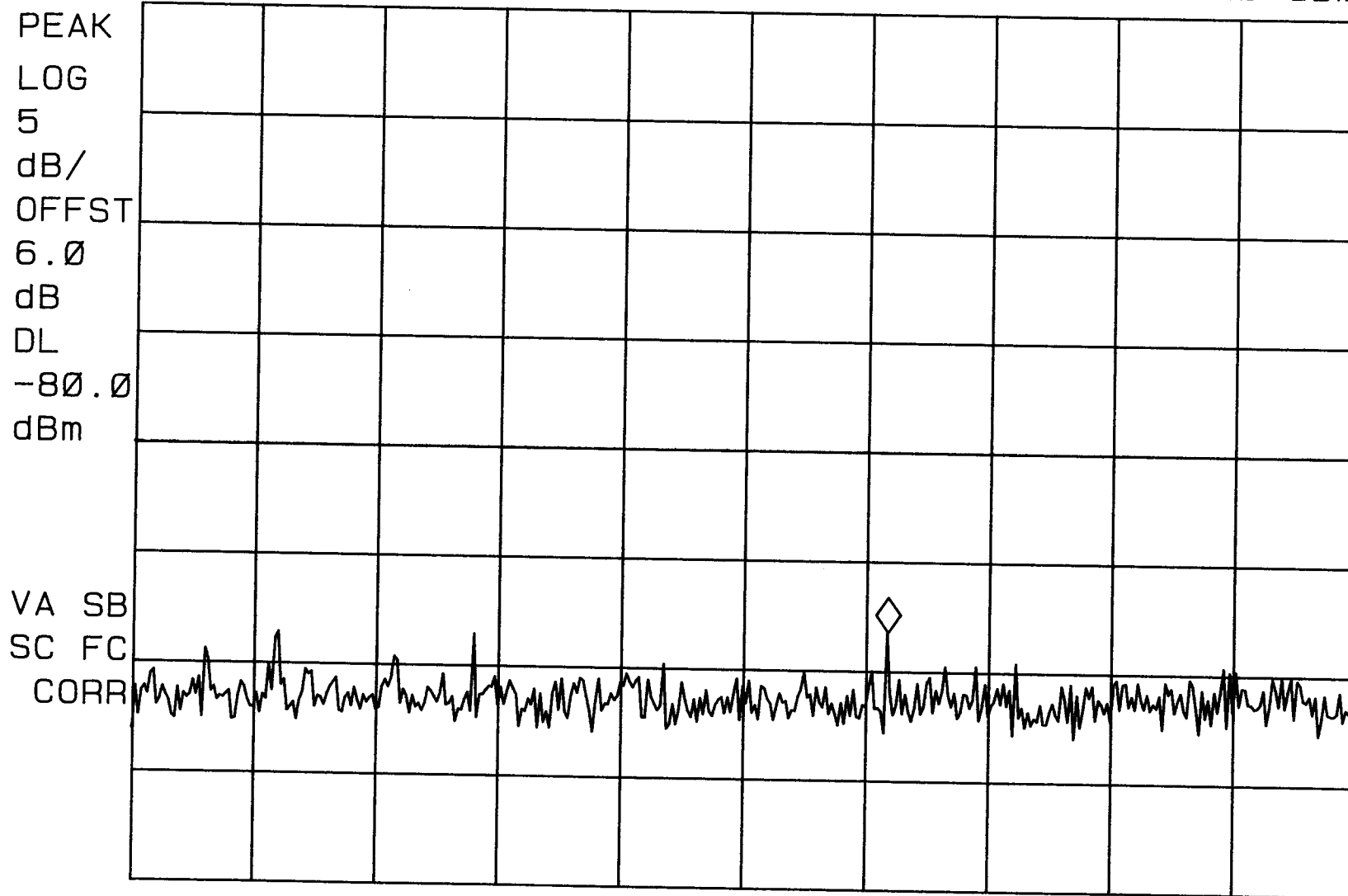
Off

hp FCC ID: FFMDM110 RX

MKR 55.575003 msec

REF -60.0 dBm ATTEN 10 dB PG 25.0 dB

-88.20 dBm



START 1.000 MHz

#RES BW 100 kHz

#VBW 300 kHz

STOP 1.000 MHz

SWP 90 msec