

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN200

SAMSUNG Electronics

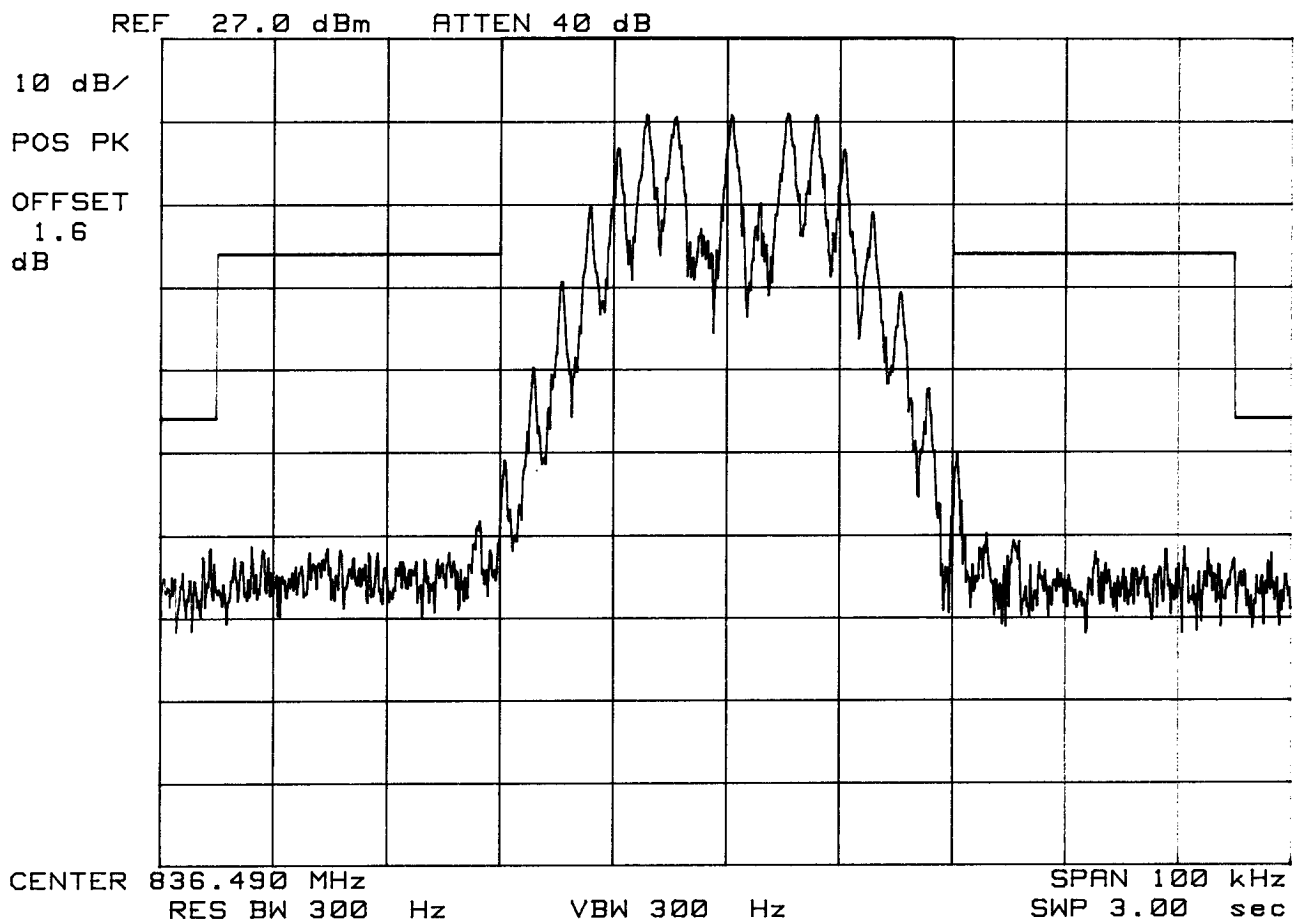
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Voice



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## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN200

SAMSUNG Electronics

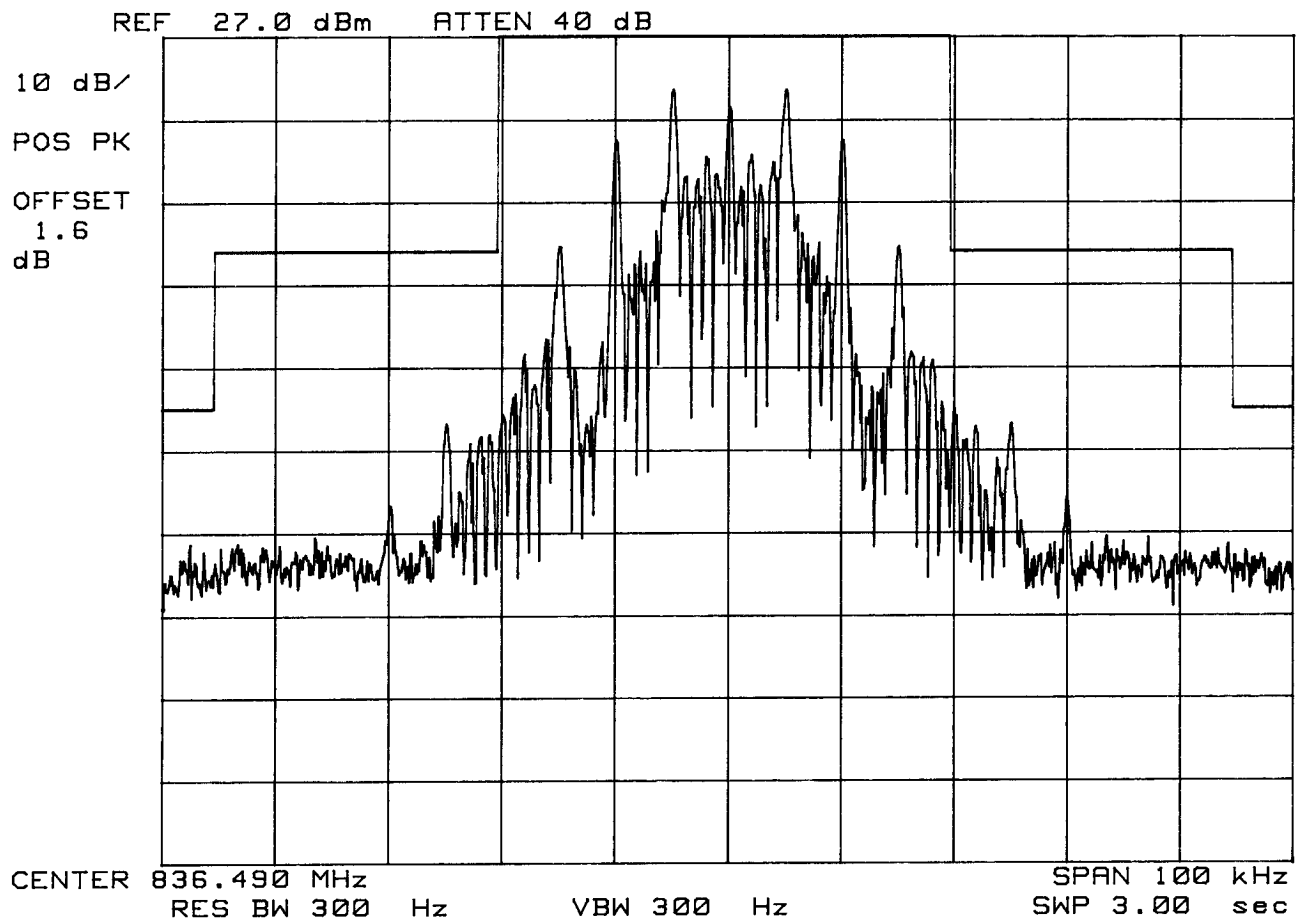
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Wide Band Data



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## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN200

SAMSUNG Electronics

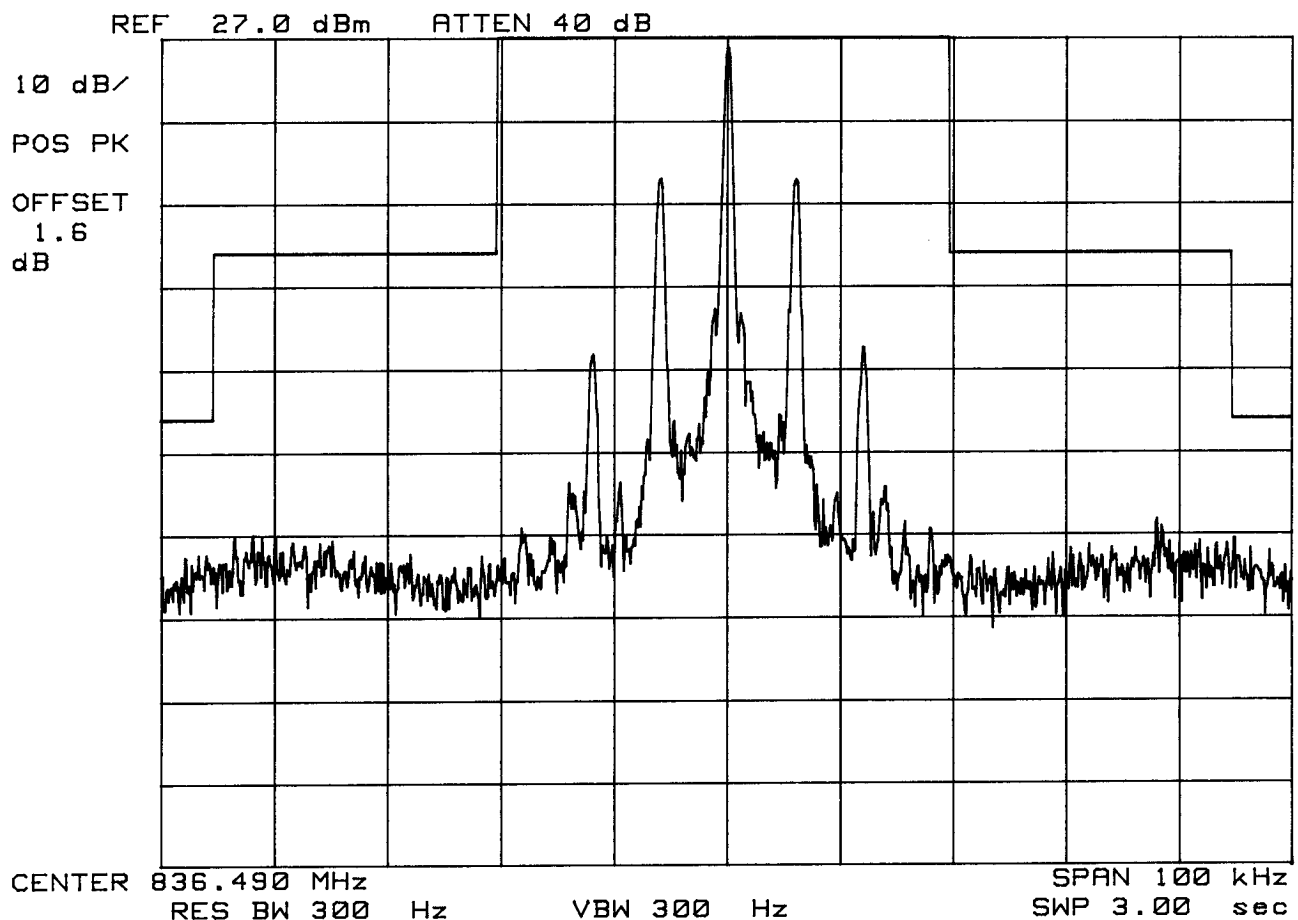
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT



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## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN200

SAMSUNG Electronics

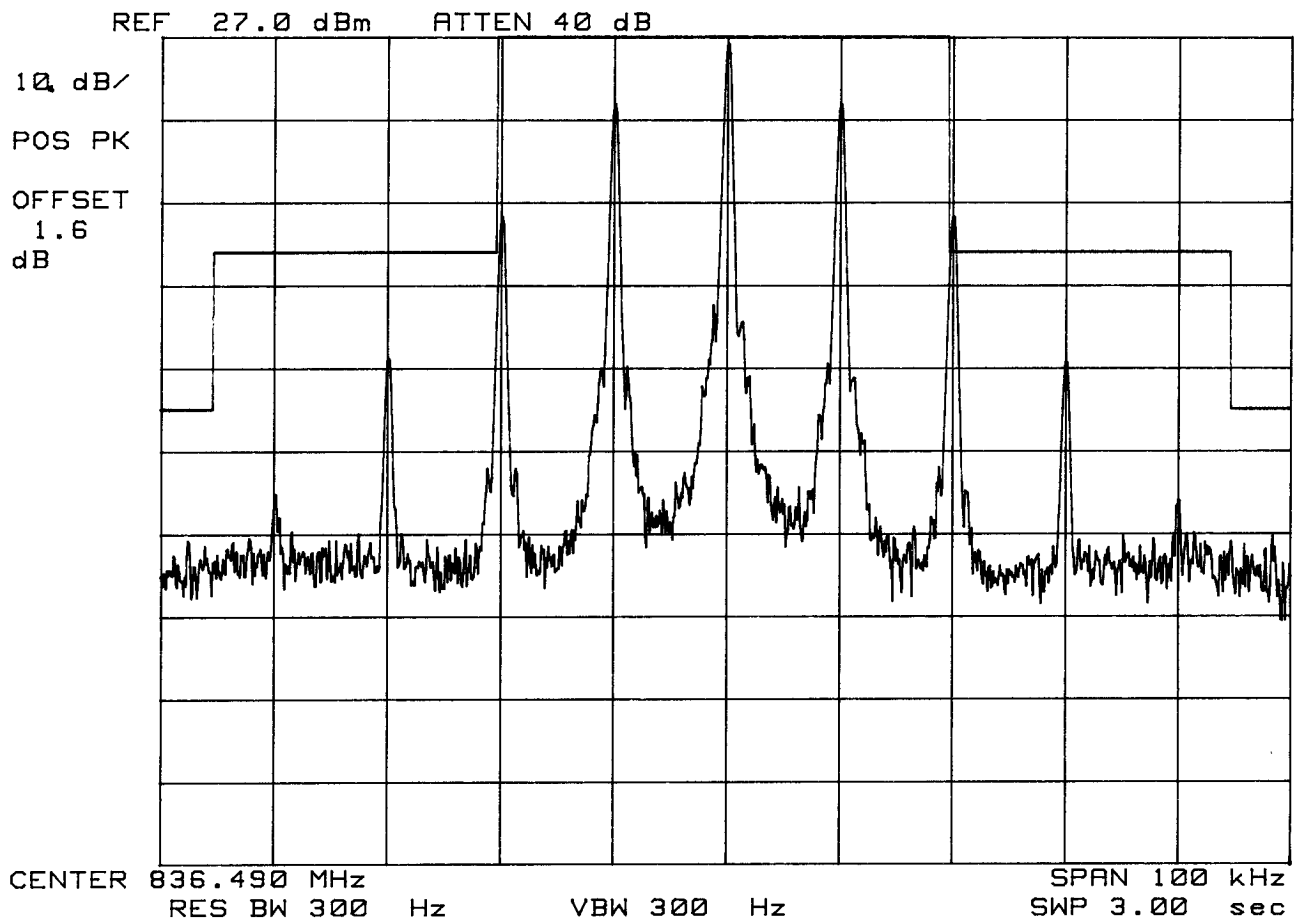
FM Mode

Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN200

SAMSUNG Electronics

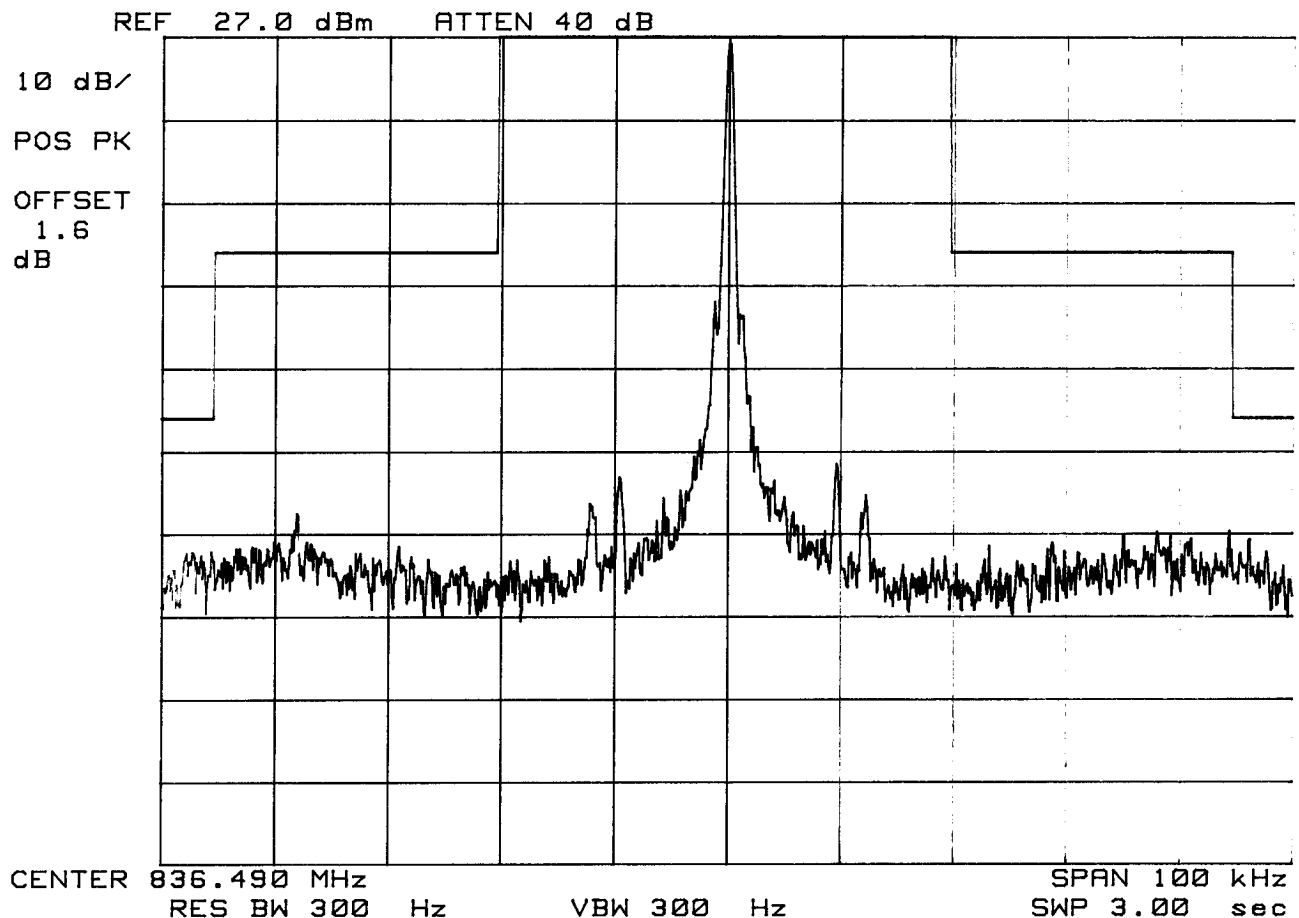
FM Mode

Channel 0383

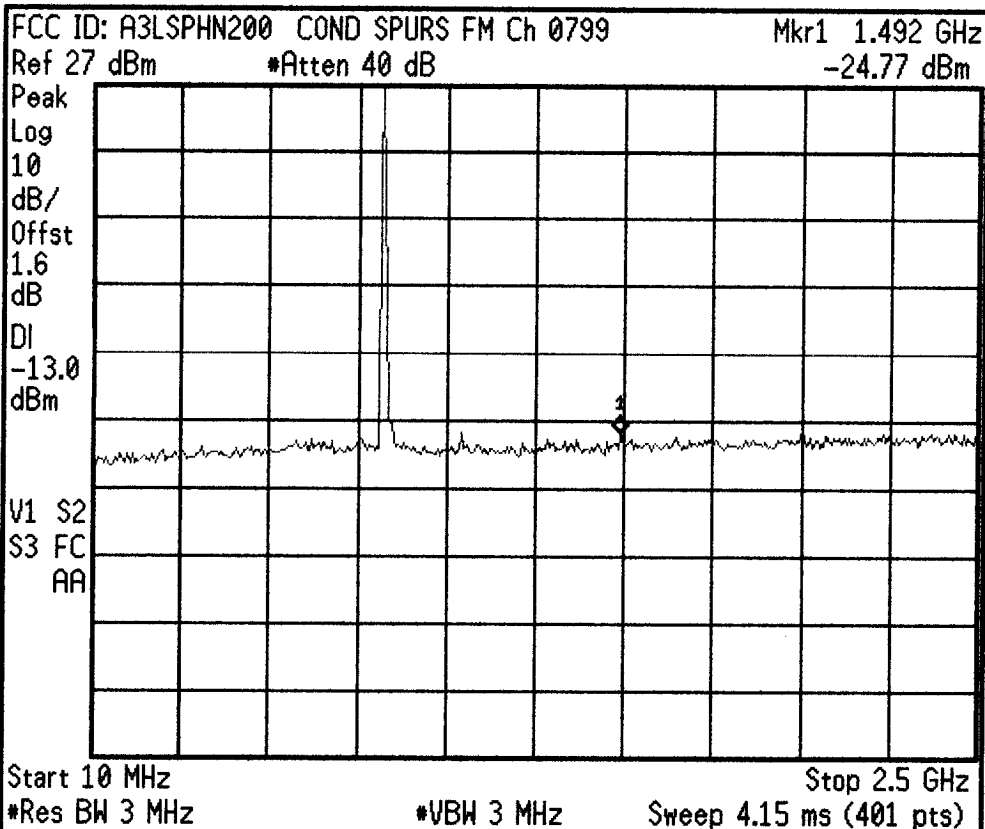
Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Unmodulated Signal



\* Agilent 15:53:05 Jun 26, 2000



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

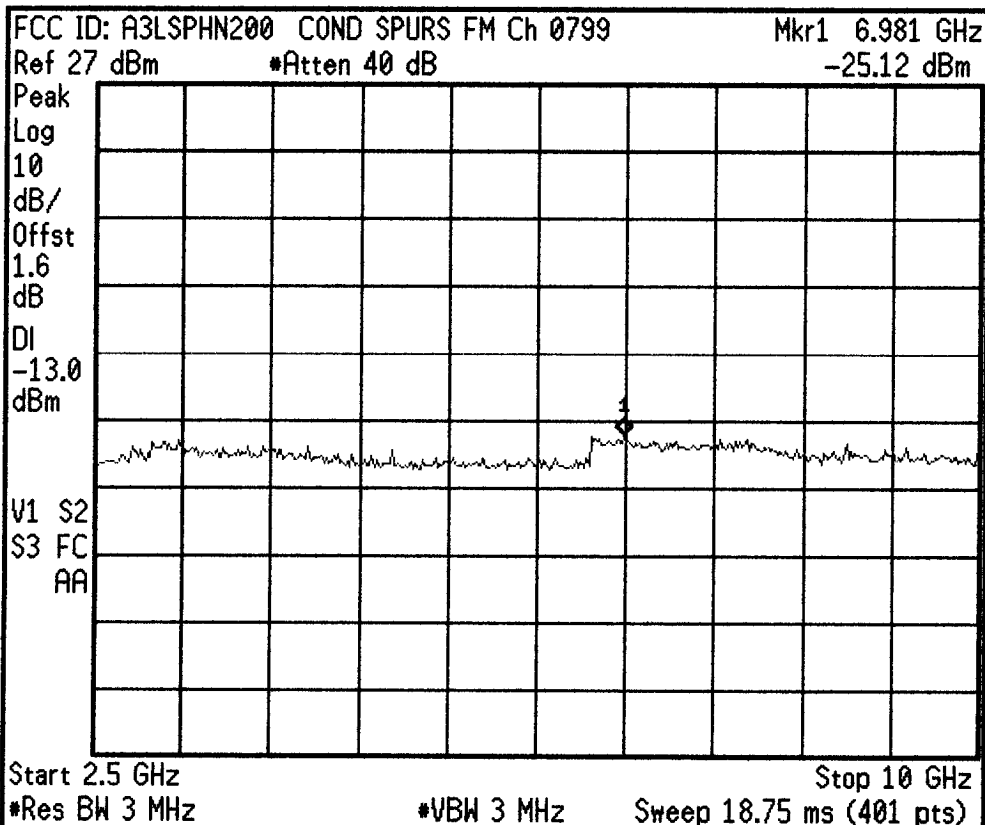
0.00000000 Hz

Signal Track

On

Off

\* Agilent 15:55:35 Jun 26, 2000



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

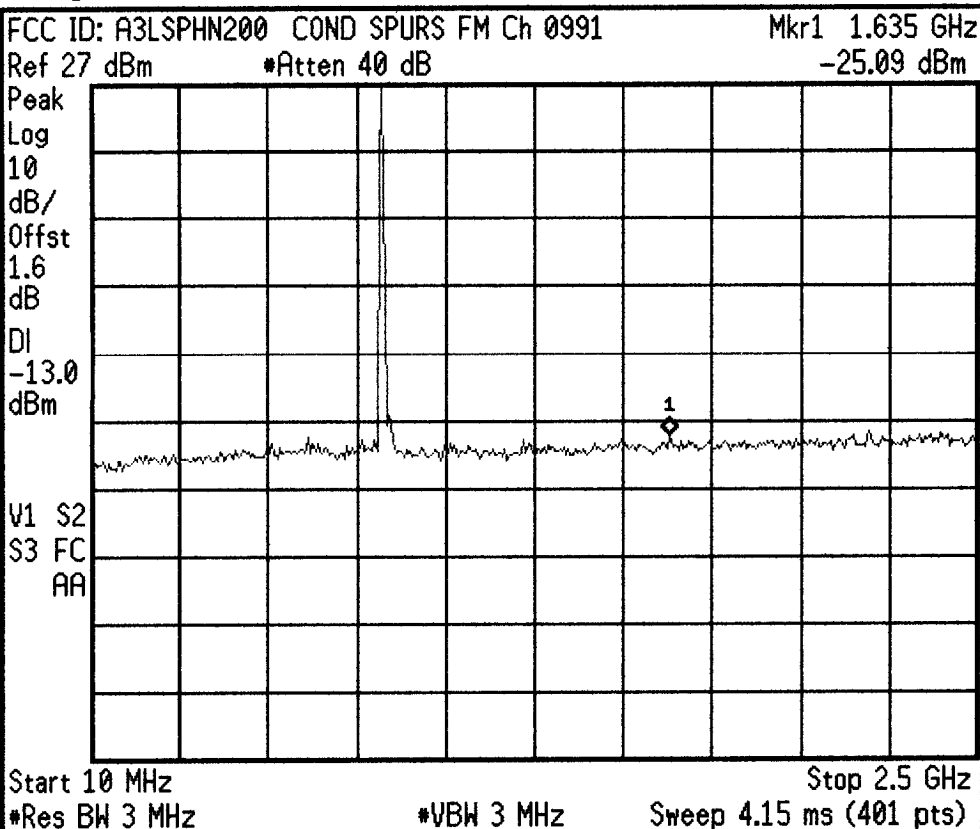
0.00000000 Hz

Signal Track

On

Off

\* Agilent 15:47:15 Jun 26, 2000



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

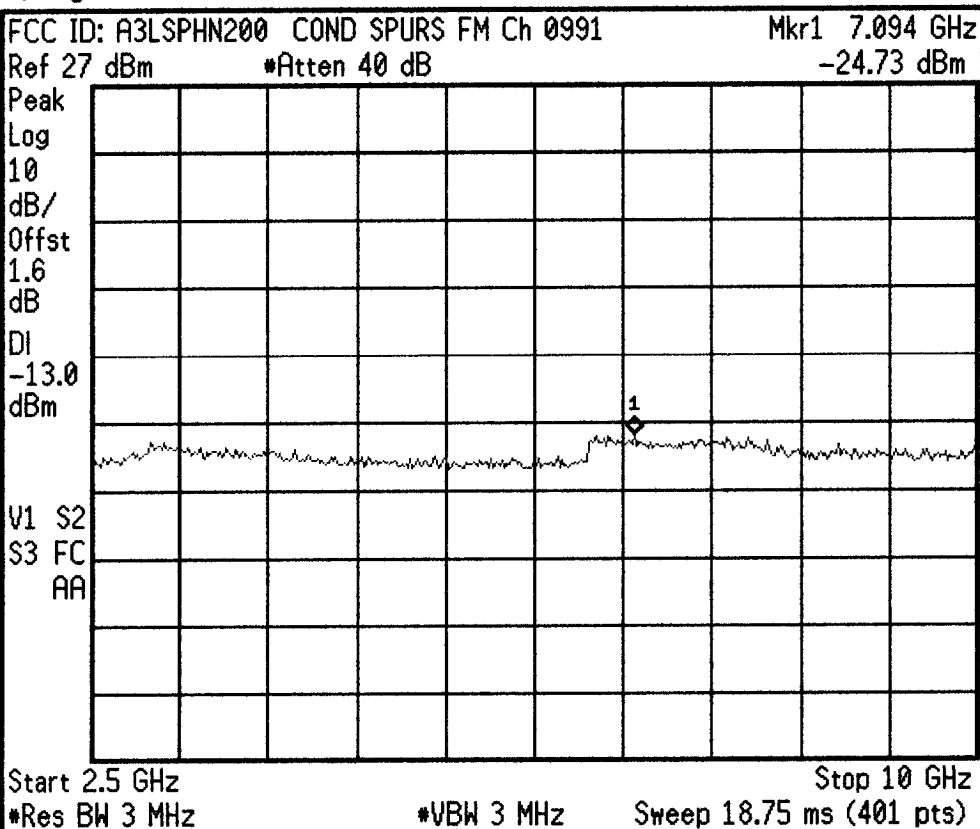
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 15:48:17 Jun 26, 2000



Freq/Channel

Center Freq  
 6.25000000 GHz

Start Freq  
 2.50000000 GHz

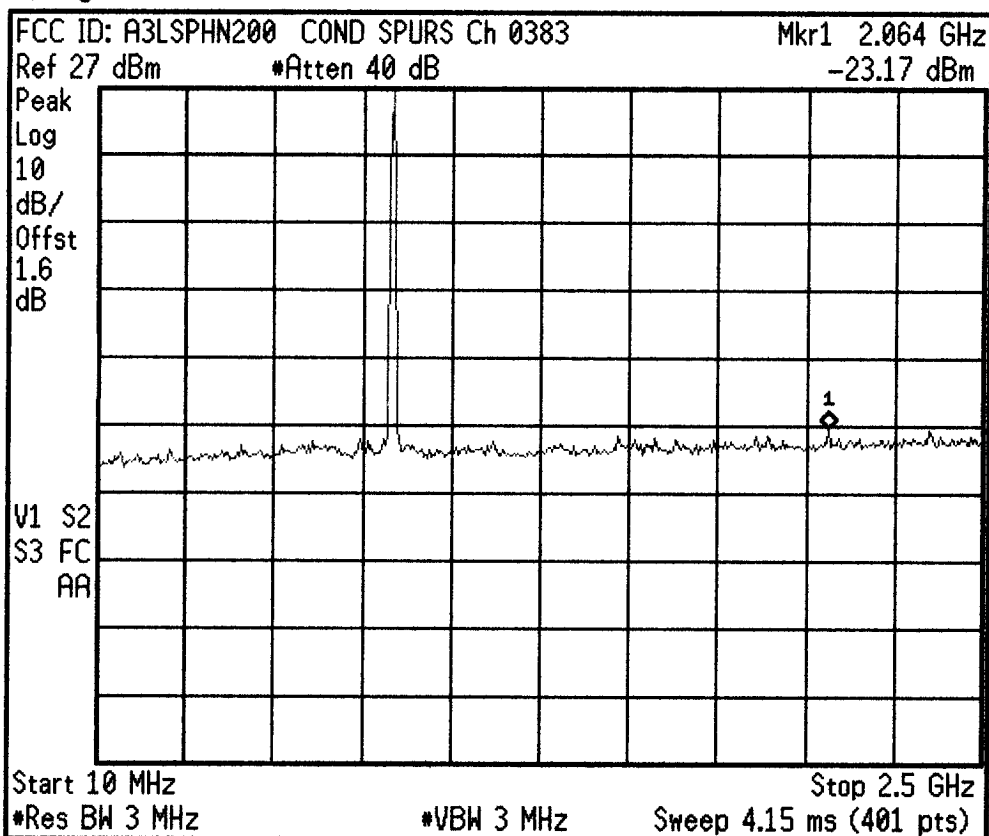
Stop Freq  
 10.0000000 GHz

CF Step  
 750.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 15:41:11 Jun 26, 2000



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

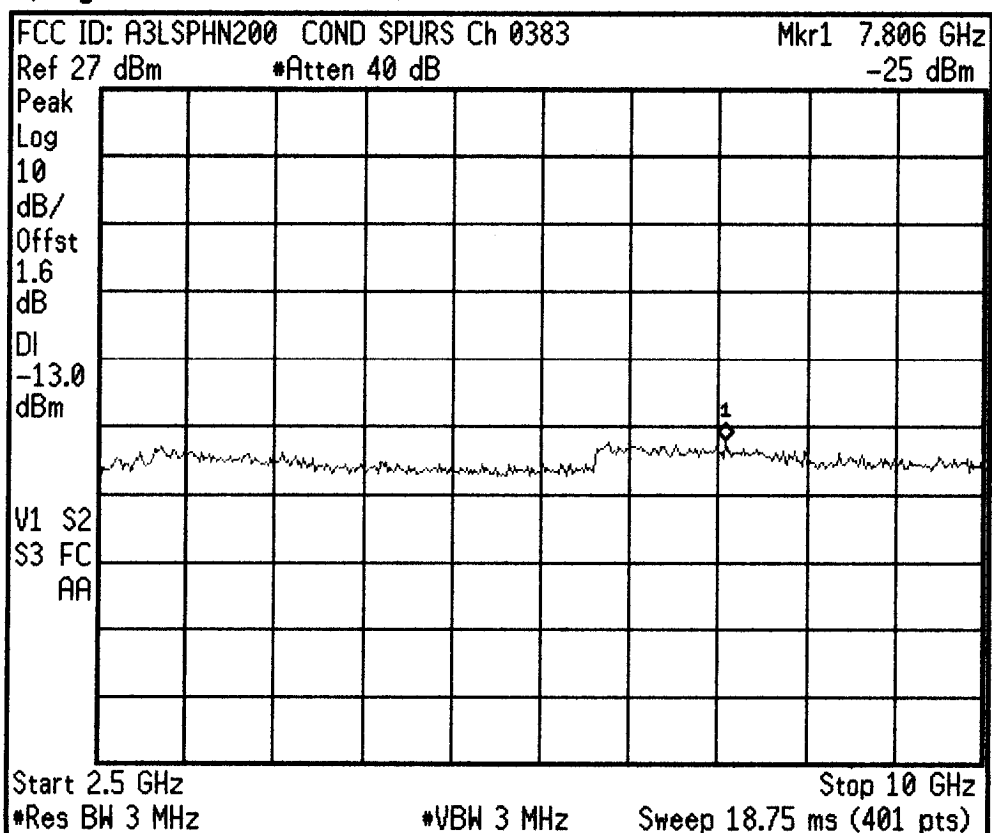
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 15:42:19 Jun 26, 2000



Freq/Channel

Center Freq  
 6.25000000 GHz

Start Freq  
 2.50000000 GHz

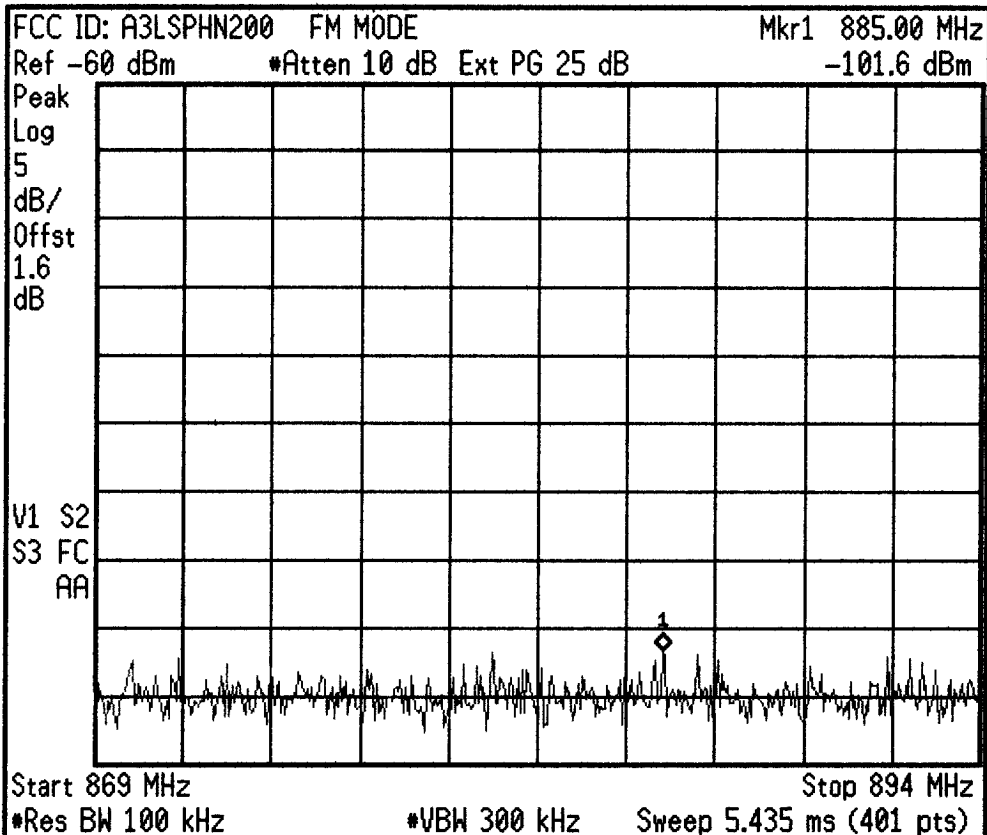
Stop Freq  
 10.0000000 GHz

CF Step  
 750.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 17:06:13 Jun 26, 2000



Freq/Channel

Center Freq  
881.500000 MHz

Start Freq  
869.000000 MHz

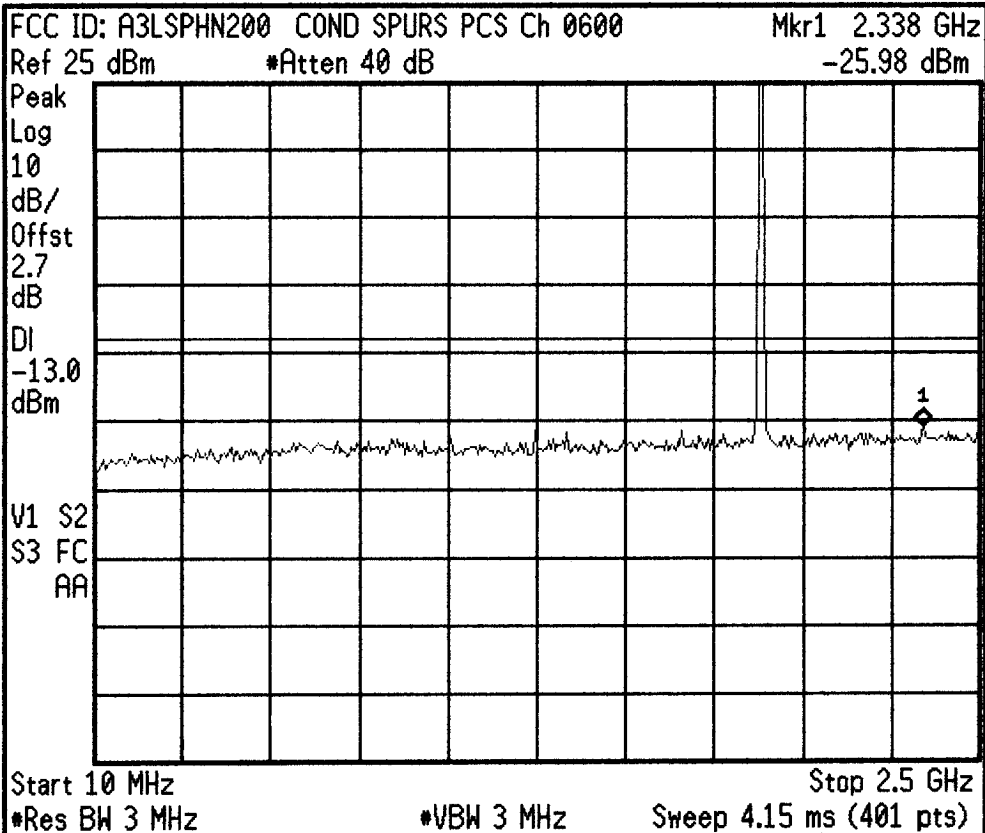
Stop Freq  
894.000000 MHz

CF Step  
2.50000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

\* Agilent 16:10:44 Jun 26, 2000



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

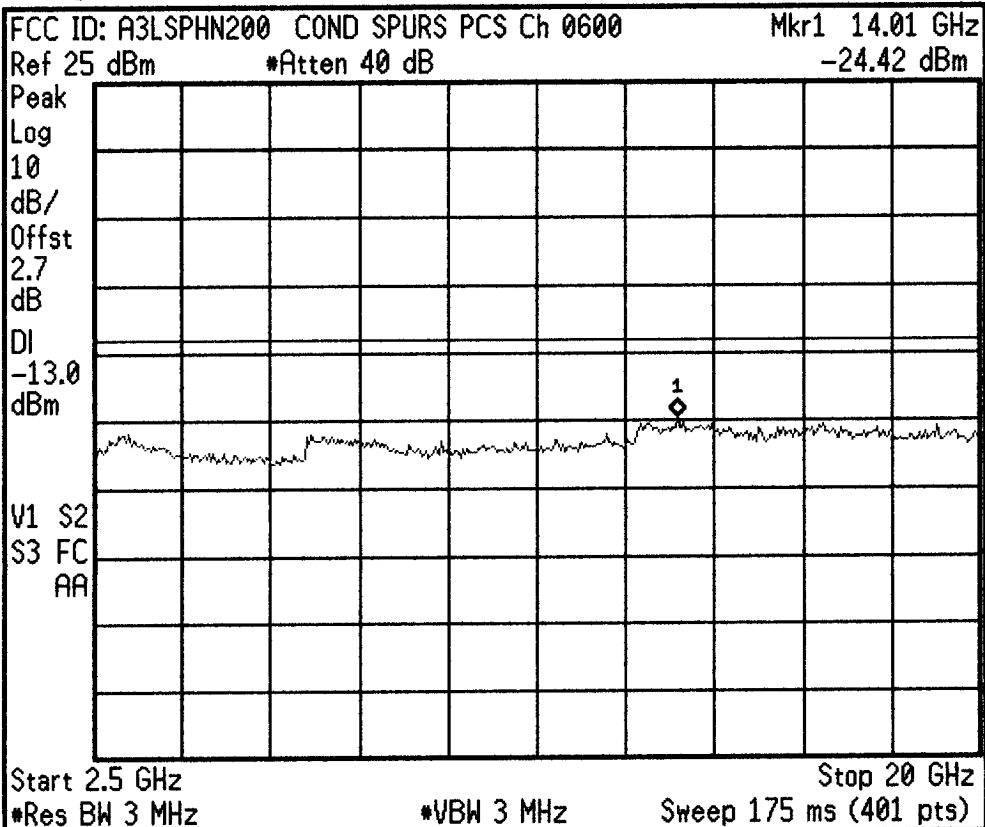
Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:11:41 Jun 26, 2000



Freq/Channel

Center Freq  
 11.2500000 GHz

Start Freq  
 2.50000000 GHz

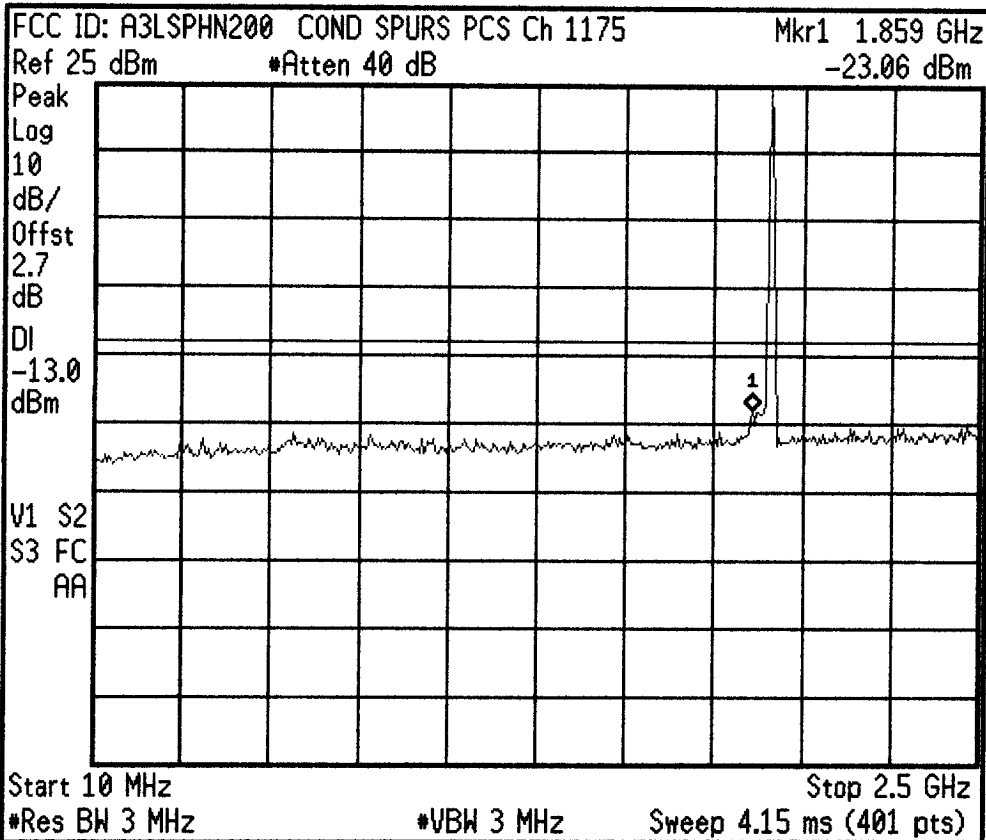
Stop Freq  
 20.0000000 GHz

CF Step  
 1.75000000 GHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:07:43 Jun 26, 2000



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

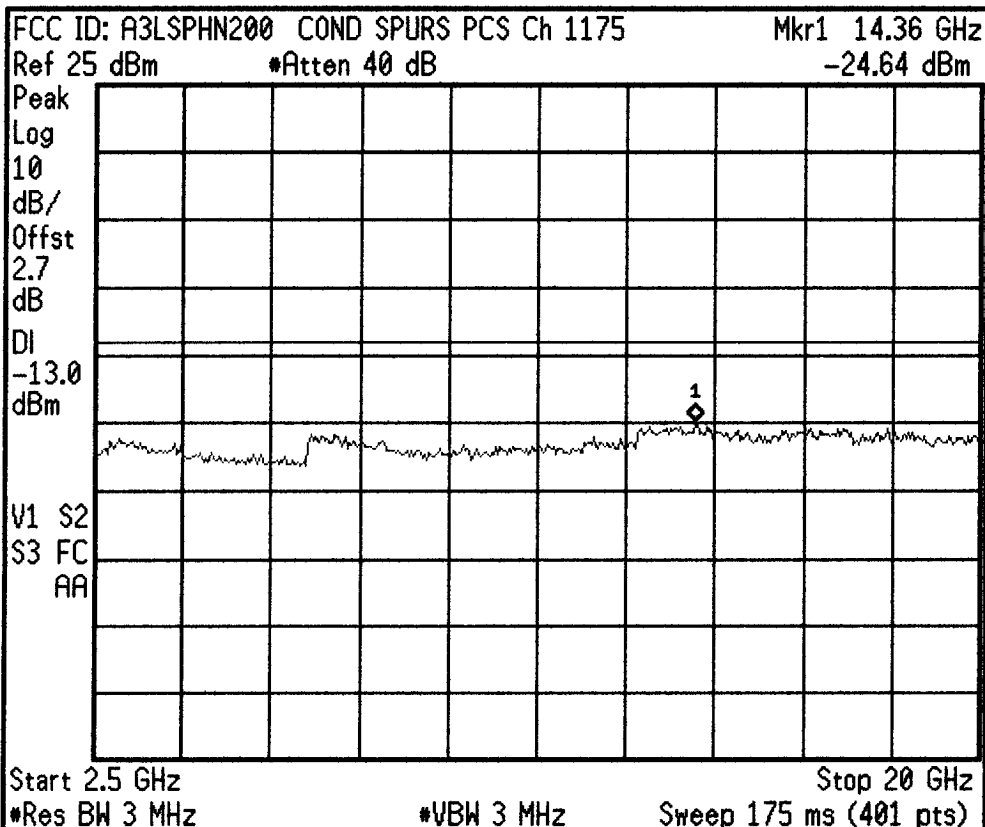
Stop Freq  
 2.50000000 GHz

CF Step  
 249.0000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:08:58 Jun 26, 2000



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 16:01:53 Jun 26, 2000

FCC ID: A3LSPHN200 COND SPURS PCS Ch 0025

Mkr1 1.902 GHz

Ref 25 dBm

\*Atten 40 dB

-24.65 dBm

Peak

Log

10

dB/

Offst

2.7

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

\*Res BW 3 MHz

\*VBW 3 MHz

Sweep 4.15 ms (401 pts)

Stop 2.5 GHz

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 16:02:50 Jun 26, 2000

FCC ID: A3LSPHN200 COND SPURS PCS Ch 0025

Mkr1 14.49 GHz

Ref 25 dBm

\*Atten 40 dB

-24.68 dBm

Peak

Log

10

dB/

Offst

2.7

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

\*Res BW 3 MHz

\*VBW 3 MHz

Sweep 175 ms (401 pts)

Stop 20 GHz

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

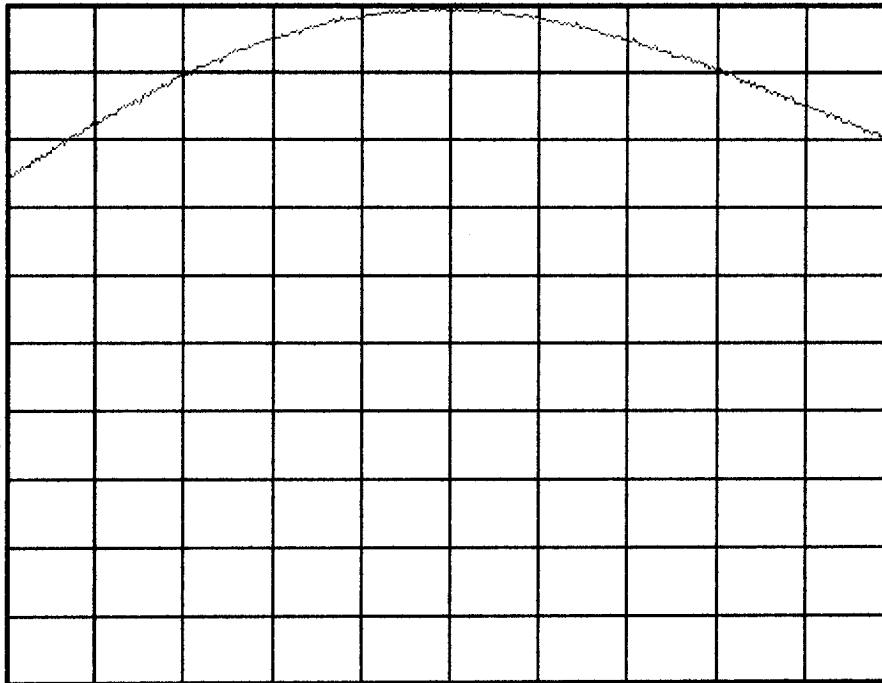
\* Agilent 16:15:22 Jun 26, 2000

FCC ID: A3LSPHN200 POWER OUT PCS Ch 0600

Ref 25 dBm \*Atten 40 dB

Peak  
Log  
10  
dB/  
Offst  
2.7  
dB

V1 S2  
S3 FC  
AA



Center 1.88 GHz

Span 10 MHz

\*Res BW 3 MHz

\*VBW 3 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

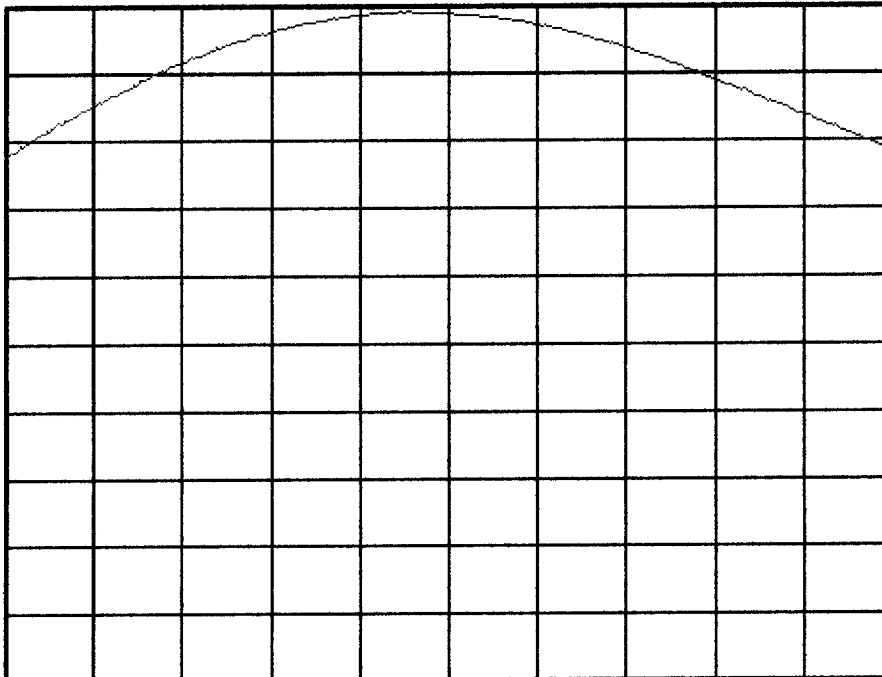
\* Agilent 16:16:55 Jun 26, 2000

FCC ID: A3LSPHN200 POWER OUT PCS Ch 1175

Ref 25 dBm \*Atten 40 dB

Peak  
Log  
10  
dB/  
Offst  
2.7  
dB

V1 S2  
S3 FC  
AA



Center 1.909 GHz

Span 10 MHz

\*Res BW 3 MHz

\*VBW 3 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

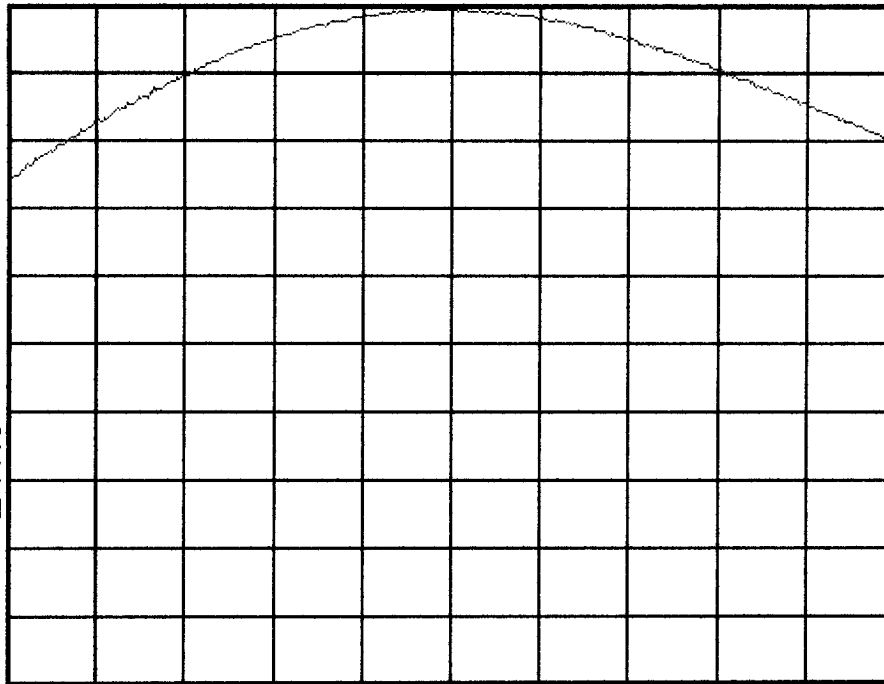
Agilent 16:35:04 Jun 26, 2000

FCC ID: A3LSPHN200 POWER OUT PCS Ch 0025

Ref 25 dBm \*Atten 40 dB

Peak  
Log  
10  
dB/  
Offst  
2.7  
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

1.85126400 GHz

Start Freq

1.84626400 GHz

Stop Freq

1.85626400 GHz

CF Step

1.00000000 MHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

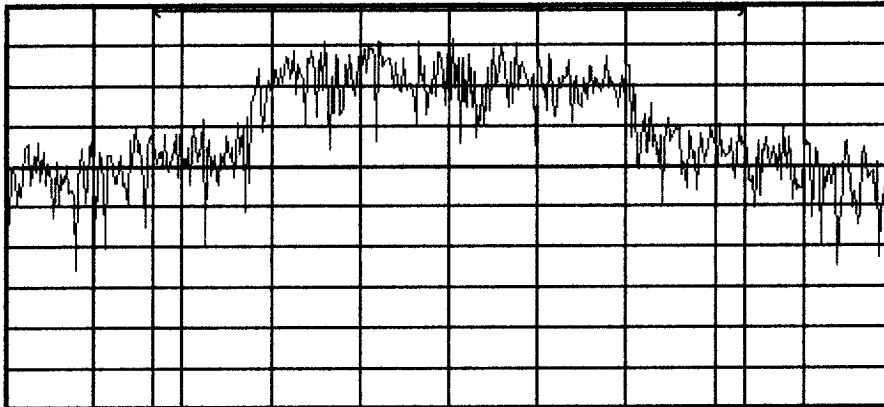
On Off

Agilent 16:41:08 Jun 26, 2000

FCC ID: A3LSPHN200 POWER OUT PCS Ch 0025

Ref 25 dBm \*Atten 40 dB

Samp  
Log  
10  
dB/  
Offst  
2.7  
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

1.85126400 GHz

Start Freq

1.84976400 GHz

Stop Freq

1.85276400 GHz

CF Step

300.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

Channel Power Results (idle)

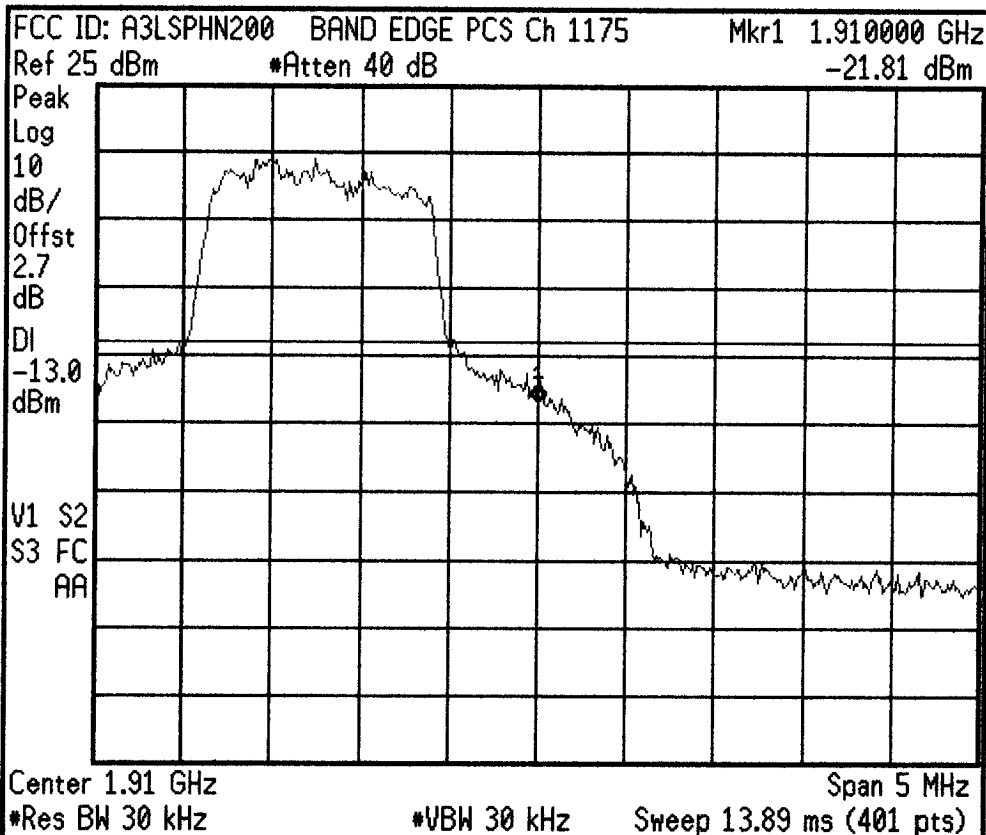
Channel Power

24.99 dBm

Integration BW 2.000 MHz

Density -38.02 dBm/Hz

\* Agilent 16:44:05 Jun 26, 2000



Freq/Channel

Center Freq  
1.91000000 GHz

Start Freq  
1.90750000 GHz

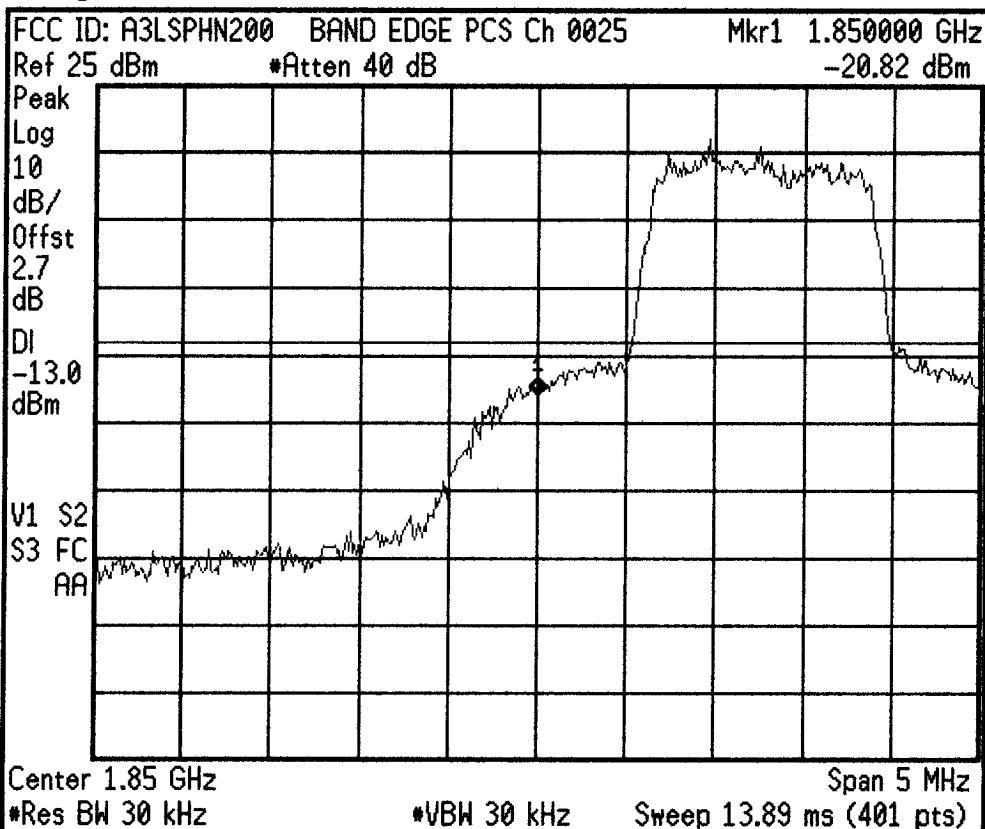
Stop Freq  
1.91250000 GHz

CF Step  
500.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

\* Agilent 16:45:59 Jun 26, 2000



Freq/Channel

Center Freq  
1.85000000 GHz

Start Freq  
1.84750000 GHz

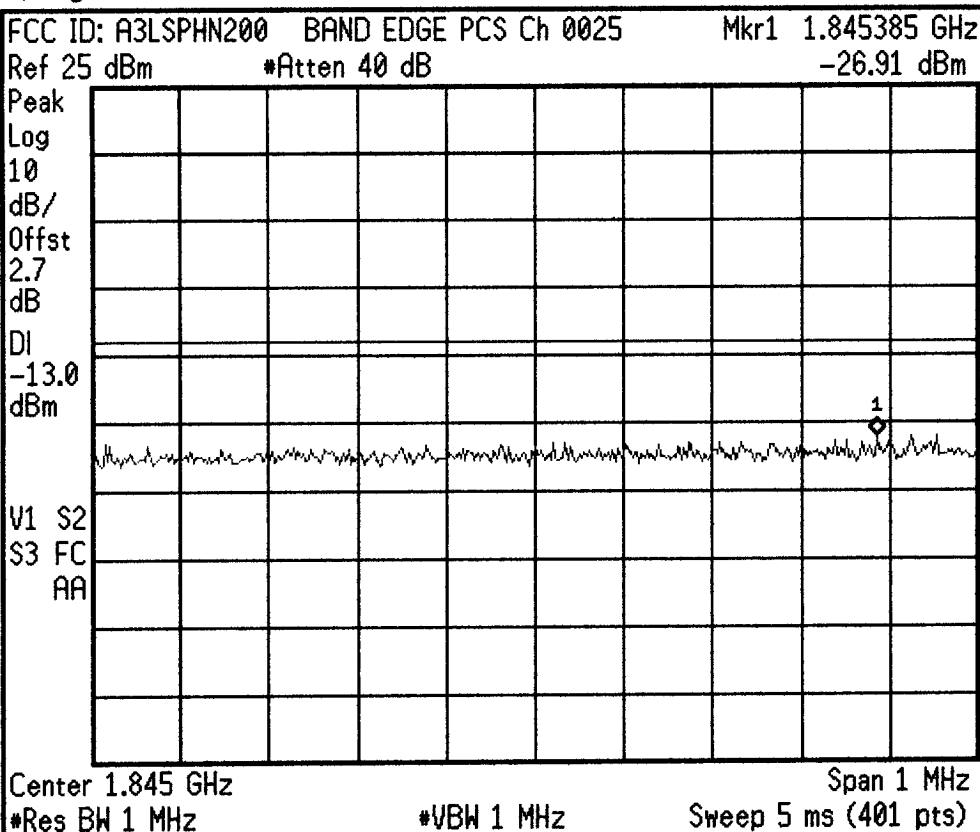
Stop Freq  
1.85250000 GHz

CF Step  
500.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

\* Agilent 16:49:07 Jun 26, 2000



Freq/Channel

Center Freq  
 1.84500000 GHz

Start Freq  
 1.84450000 GHz

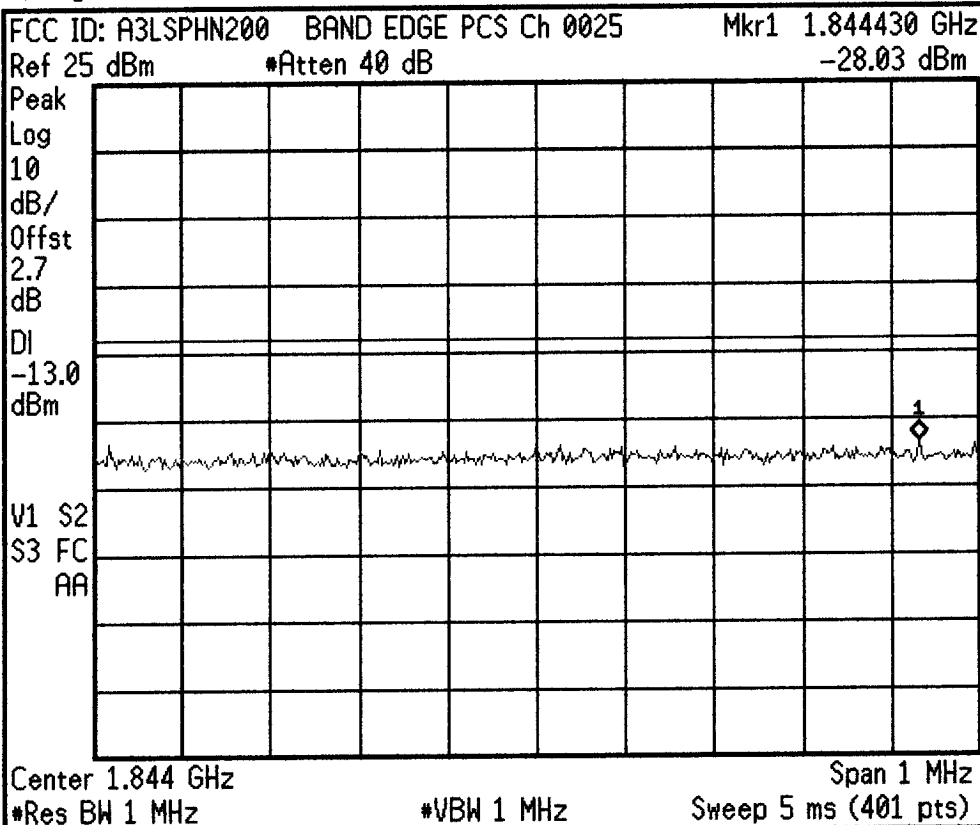
Stop Freq  
 1.84550000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:50:09 Jun 26, 2000



Freq/Channel

Center Freq  
 1.84400000 GHz

Start Freq  
 1.84350000 GHz

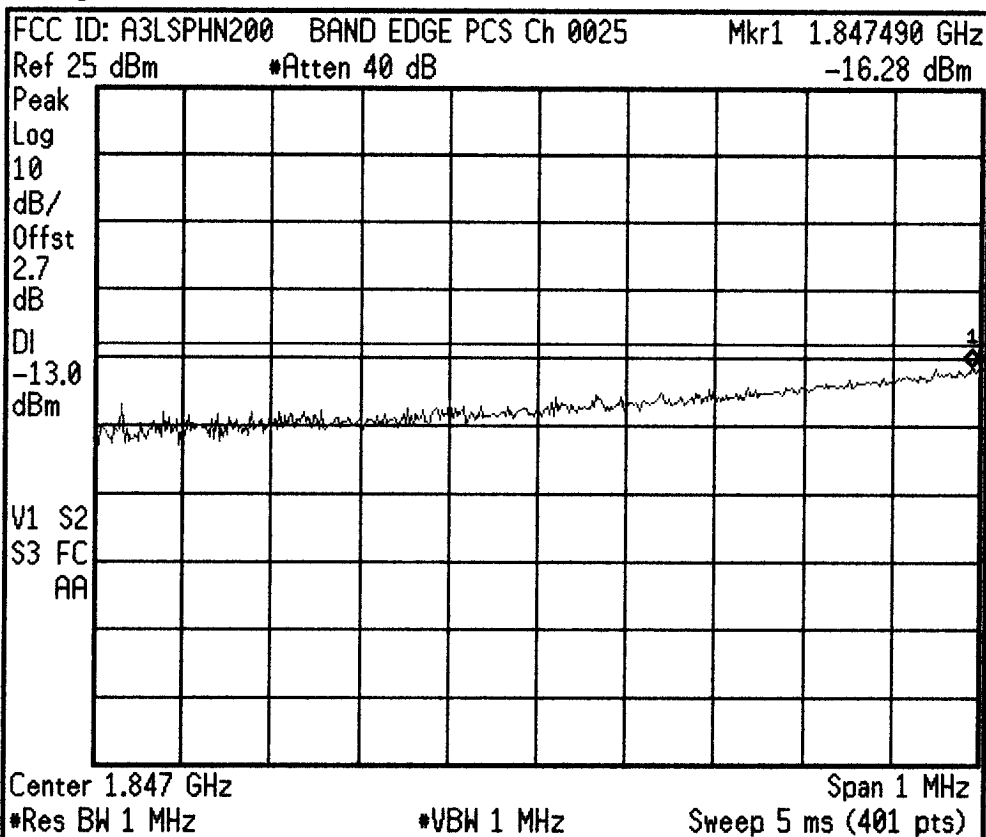
Stop Freq  
 1.84450000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:51:08 Jun 26, 2000



Freq/Channel

Center Freq  
 1.84700000 GHz

Start Freq  
 1.84650000 GHz

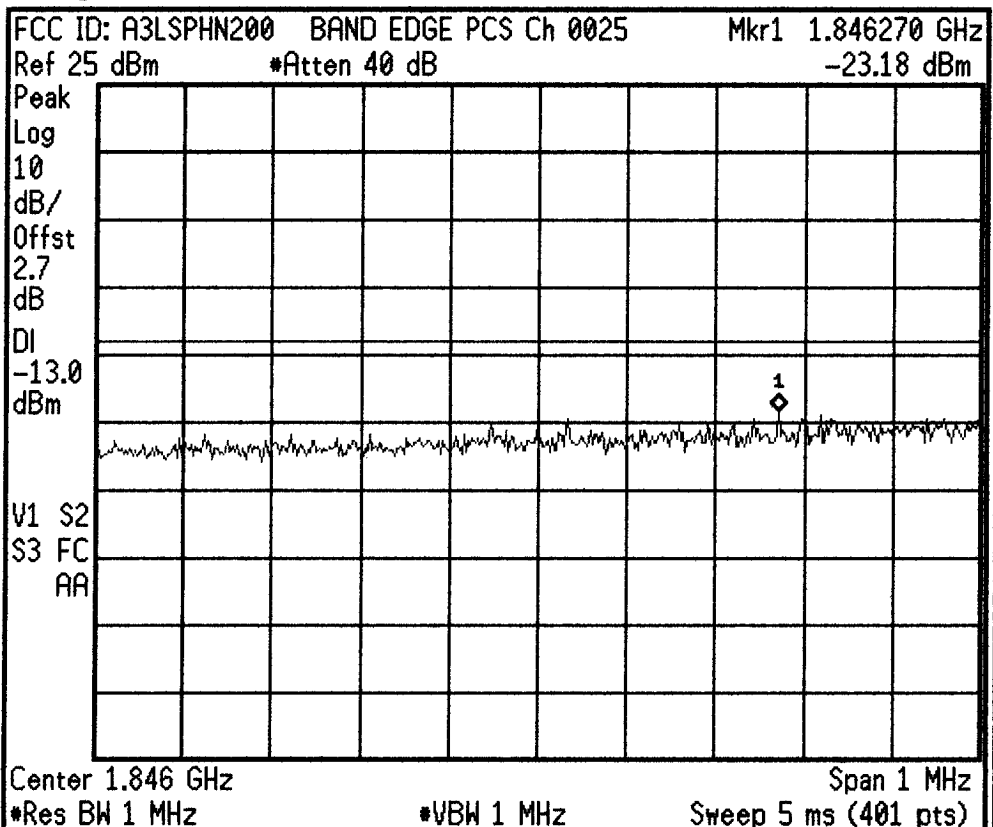
Stop Freq  
 1.84750000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:52:13 Jun 26, 2000



Freq/Channel

Center Freq  
 1.84600000 GHz

Start Freq  
 1.84550000 GHz

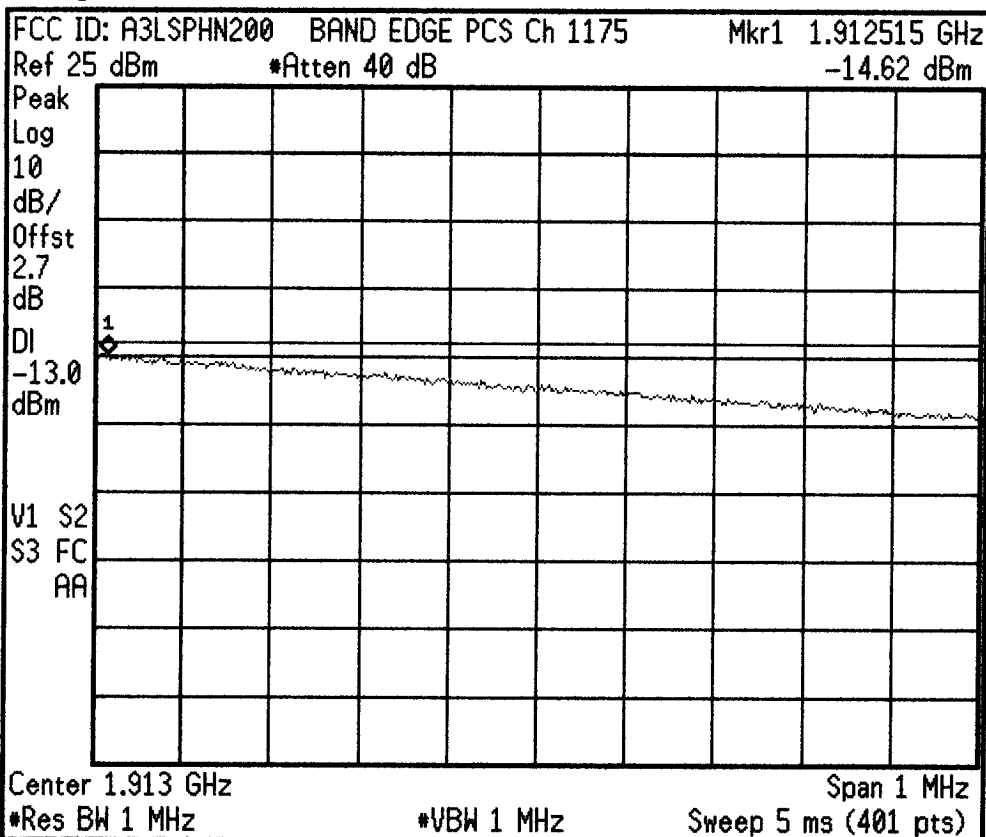
Stop Freq  
 1.84650000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:53:46 Jun 26, 2000



Freq/Channel

Center Freq  
 1.91300000 GHz

Start Freq  
 1.91250000 GHz

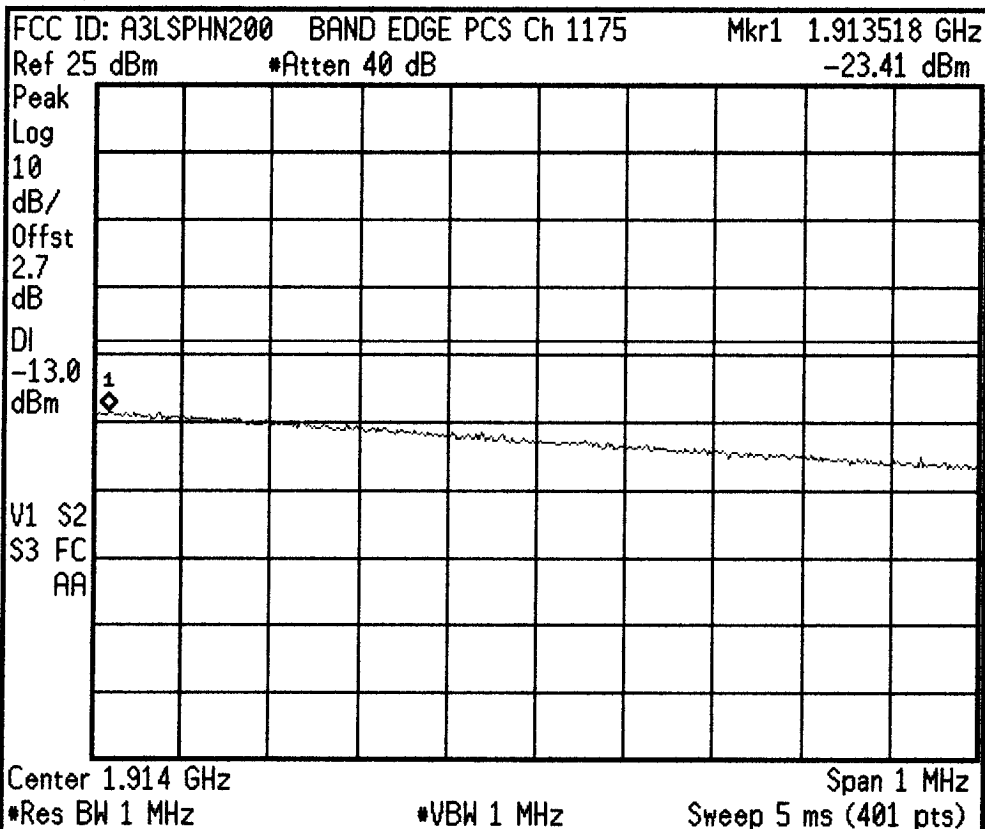
Stop Freq  
 1.91350000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:54:30 Jun 26, 2000



Freq/Channel

Center Freq  
 1.91400000 GHz

Start Freq  
 1.91350000 GHz

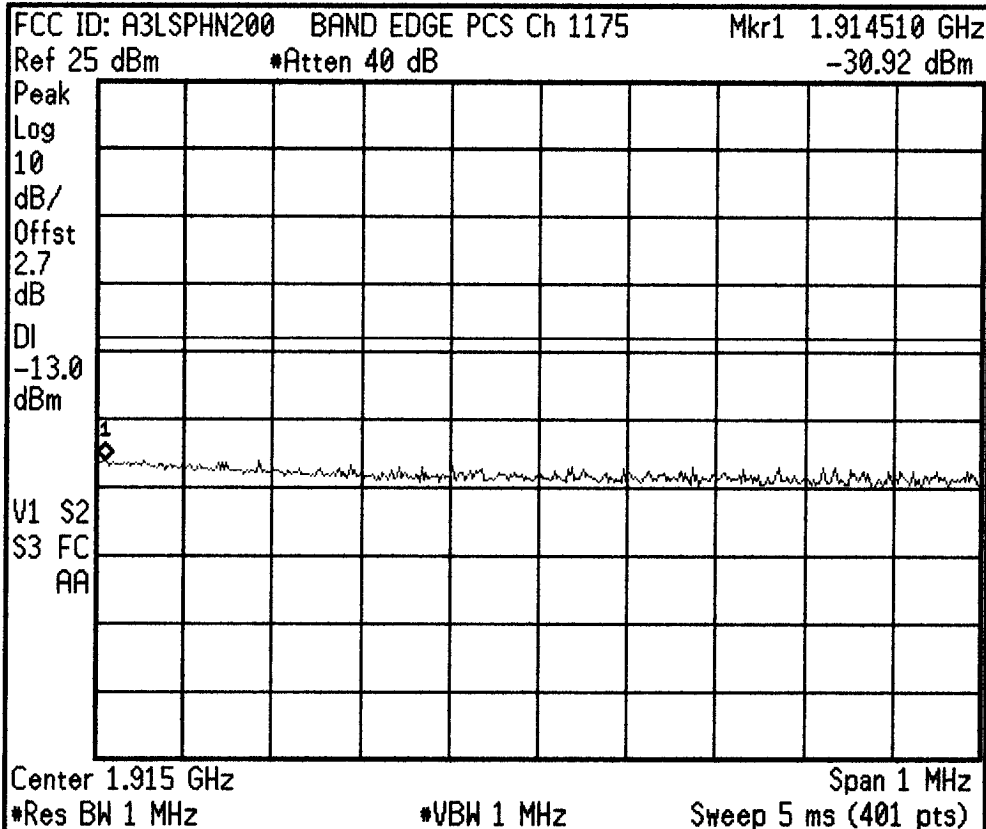
Stop Freq  
 1.91450000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:55:15 Jun 26, 2000



Freq/Channel

Center Freq  
 1.91500000 GHz

Start Freq  
 1.91450000 GHz

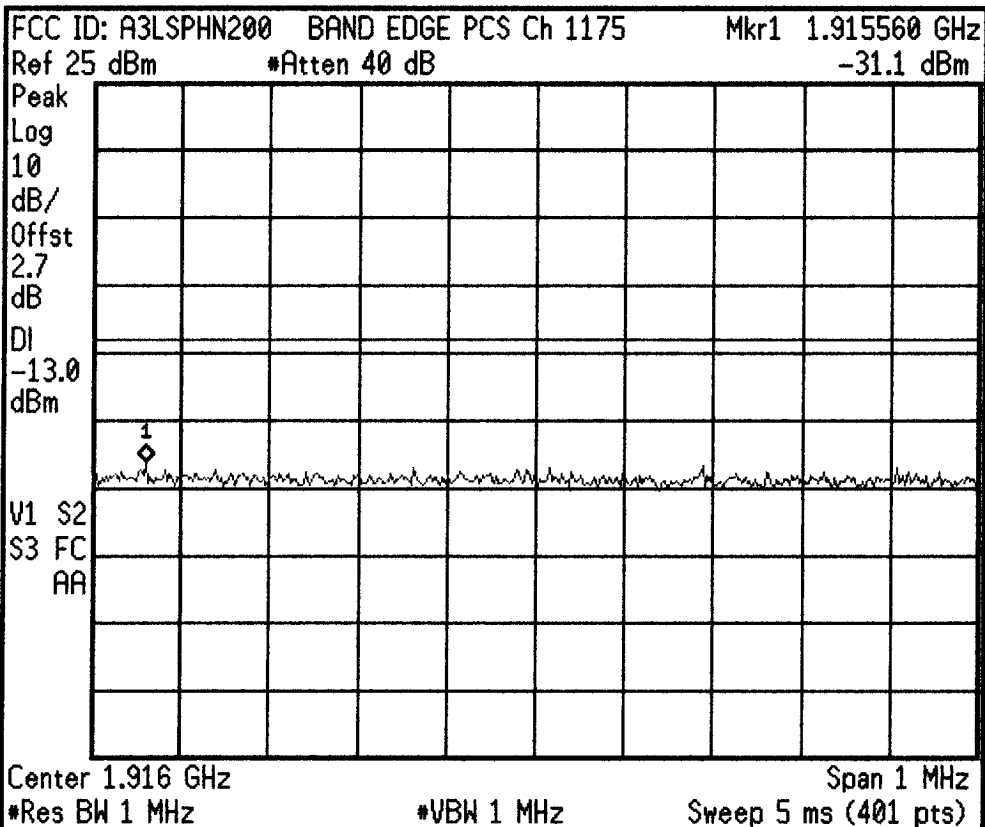
Stop Freq  
 1.91550000 GHz

CF Step  
 100.000000 kHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

\* Agilent 16:56:02 Jun 26, 2000



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

