

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN100

SAMSUNG DUAL BAND PHONE

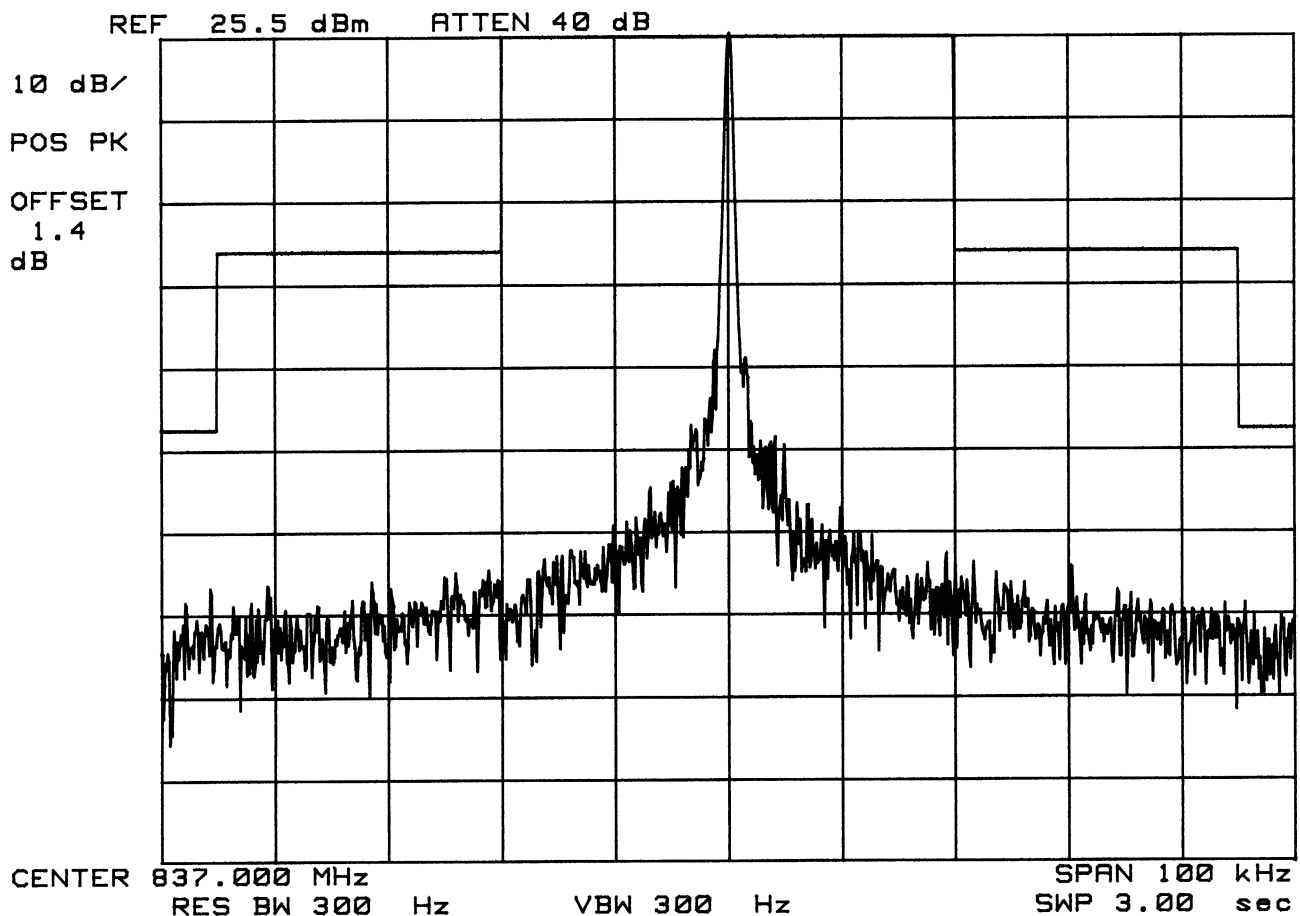
FM MODE

CH-0400

Operating Frequency: 837.000 MHz

Output Power : 25.5 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN100

SAMSUNG DUAL BAND PHONE

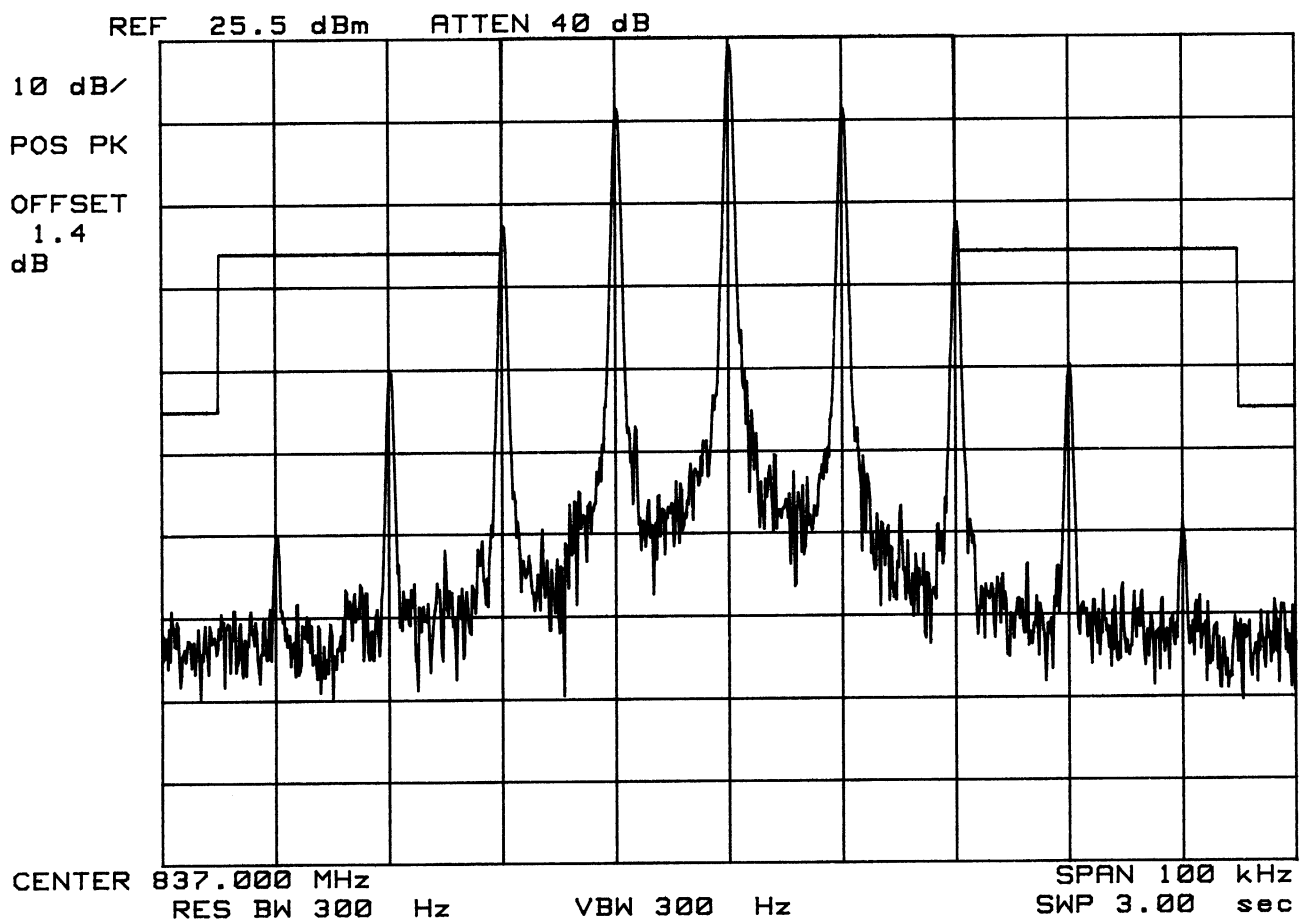
FM MODE

CH-0400

Operating Frequency: 837.000 MHz

Output Power : 25.5 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN100

SAMSUNG DUAL BAND PHONE

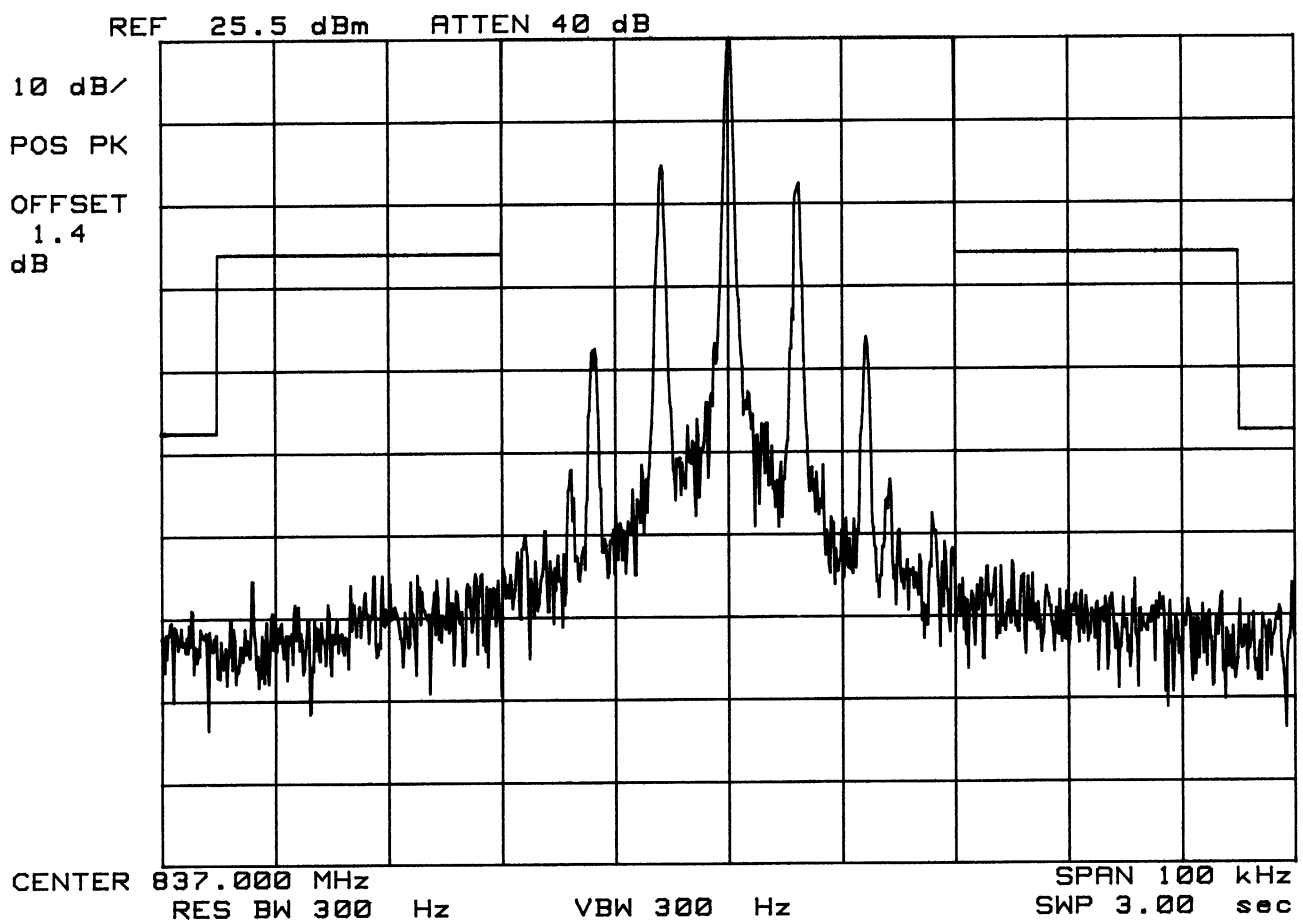
FM MODE

CH-0400

Operating Frequency: 837.000 MHz

Output Power : 25.5 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN100

SAMSUNG DUAL BAND PHONE

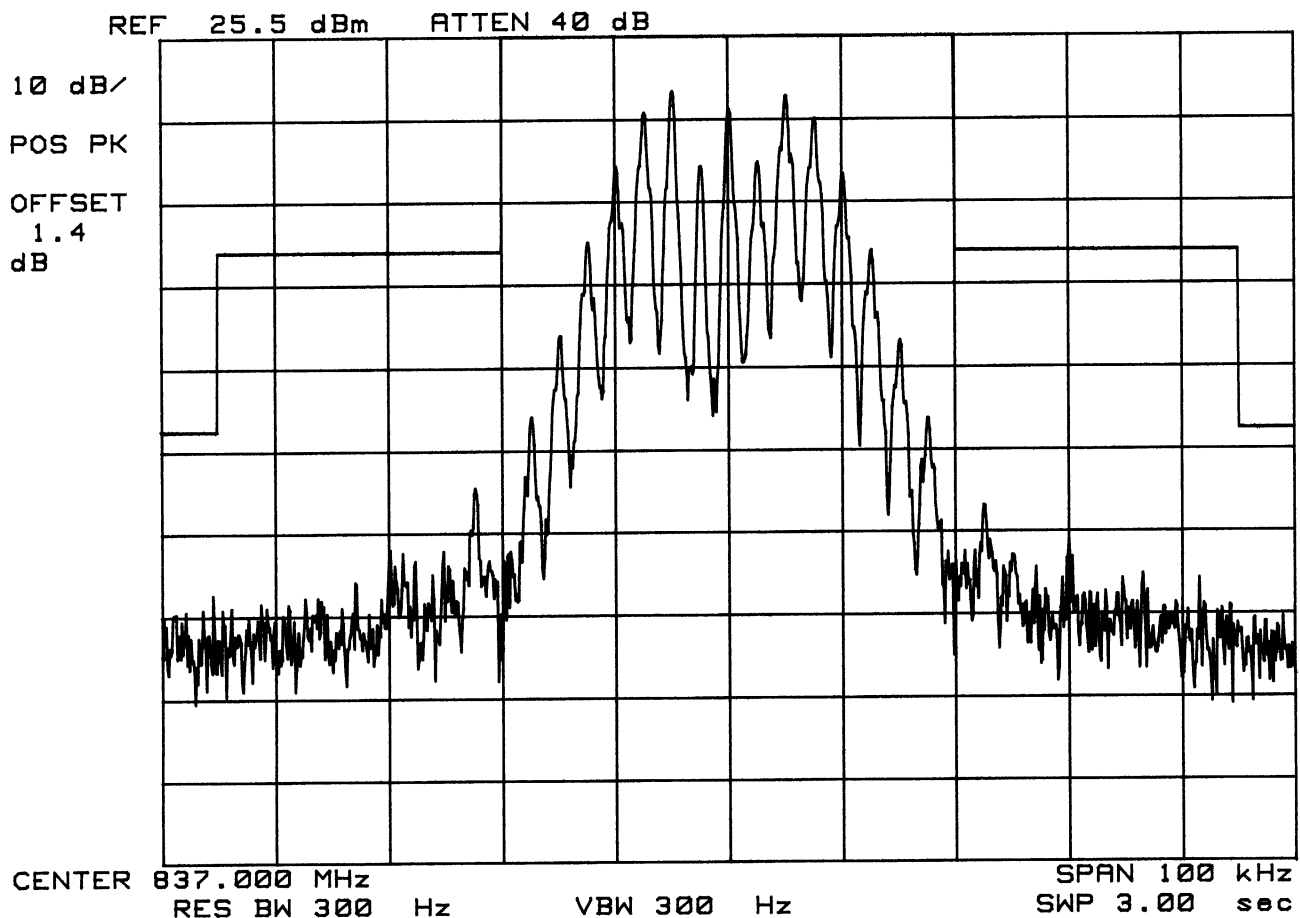
FM MODE

CH-0400

Operating Frequency: 837.000 MHz

Output Power : 25.5 dBm

Test Mode:Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHN100

SAMSUNG DUAL BAND PHONE

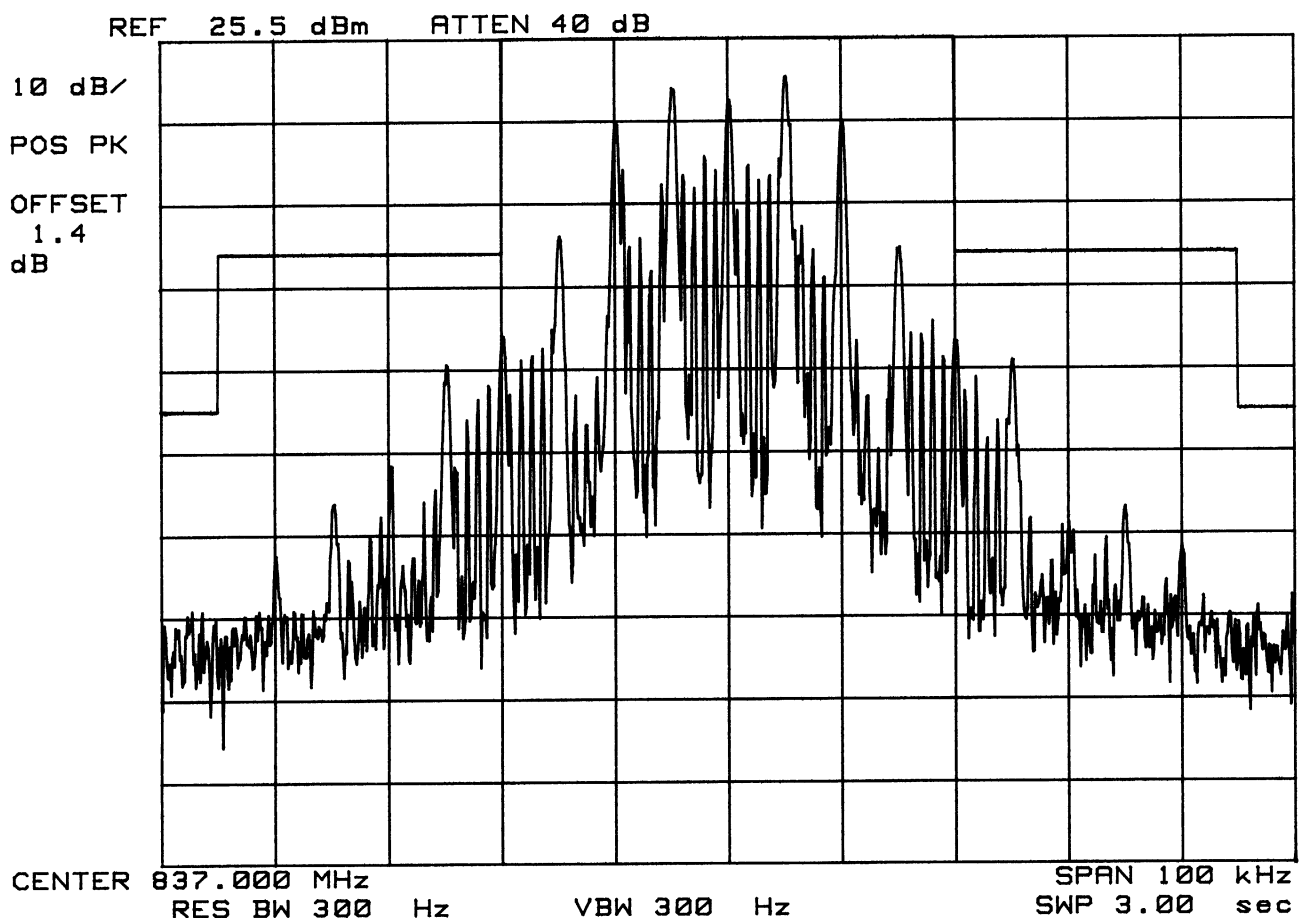
FM MODE

CH-0400

Operating Frequency: 837.000 MHz

Output Power : 25.5 dBm

Test Mode:Wide Band Data





11:52:19 Jun 7, 2000

FCC ID:A3LSPHN100 PWR OUT C-0025

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

2

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



11:54:14 Jun 7, 2000

FCC ID:A3LSPHN100 PWR OUT C-0600

Ref 24 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

2

dB

PAvg

100

V1 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

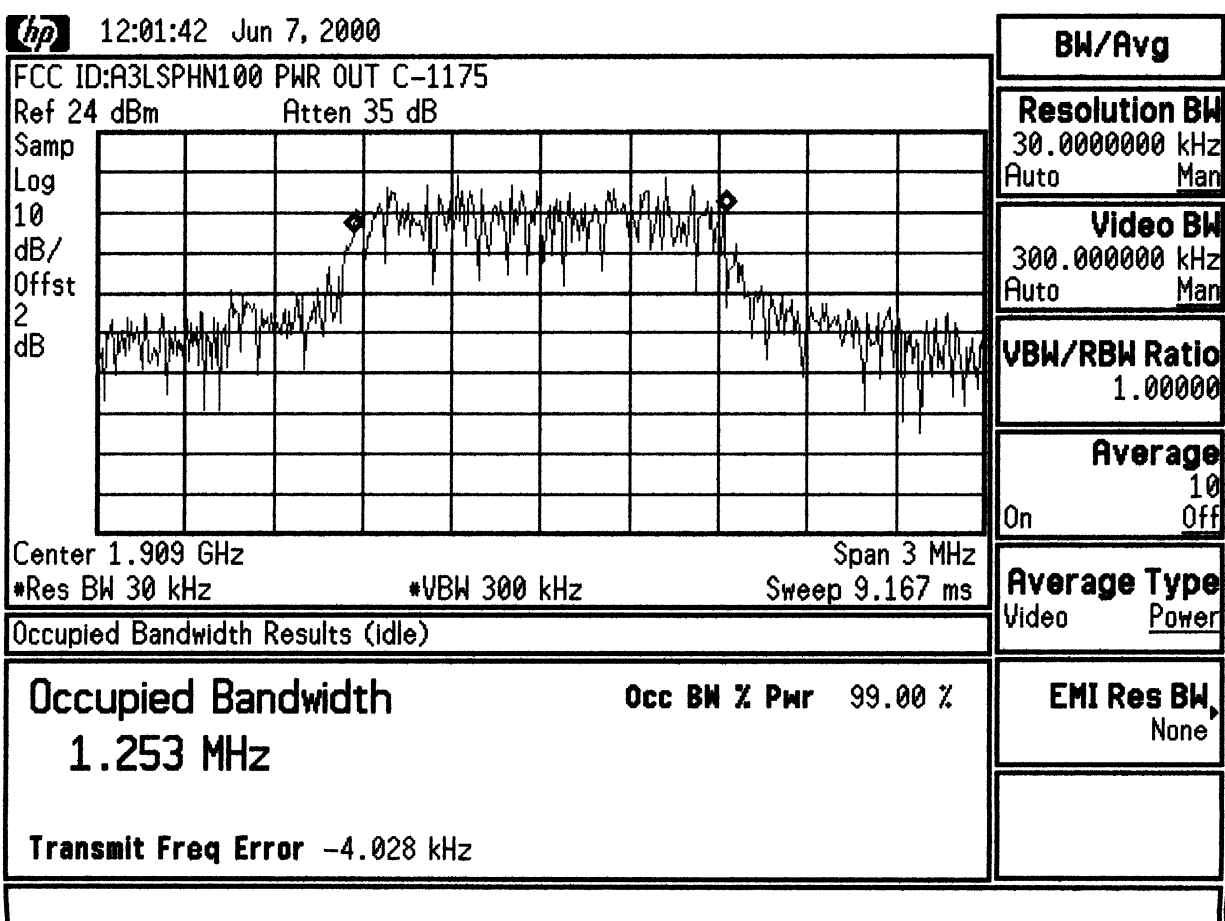
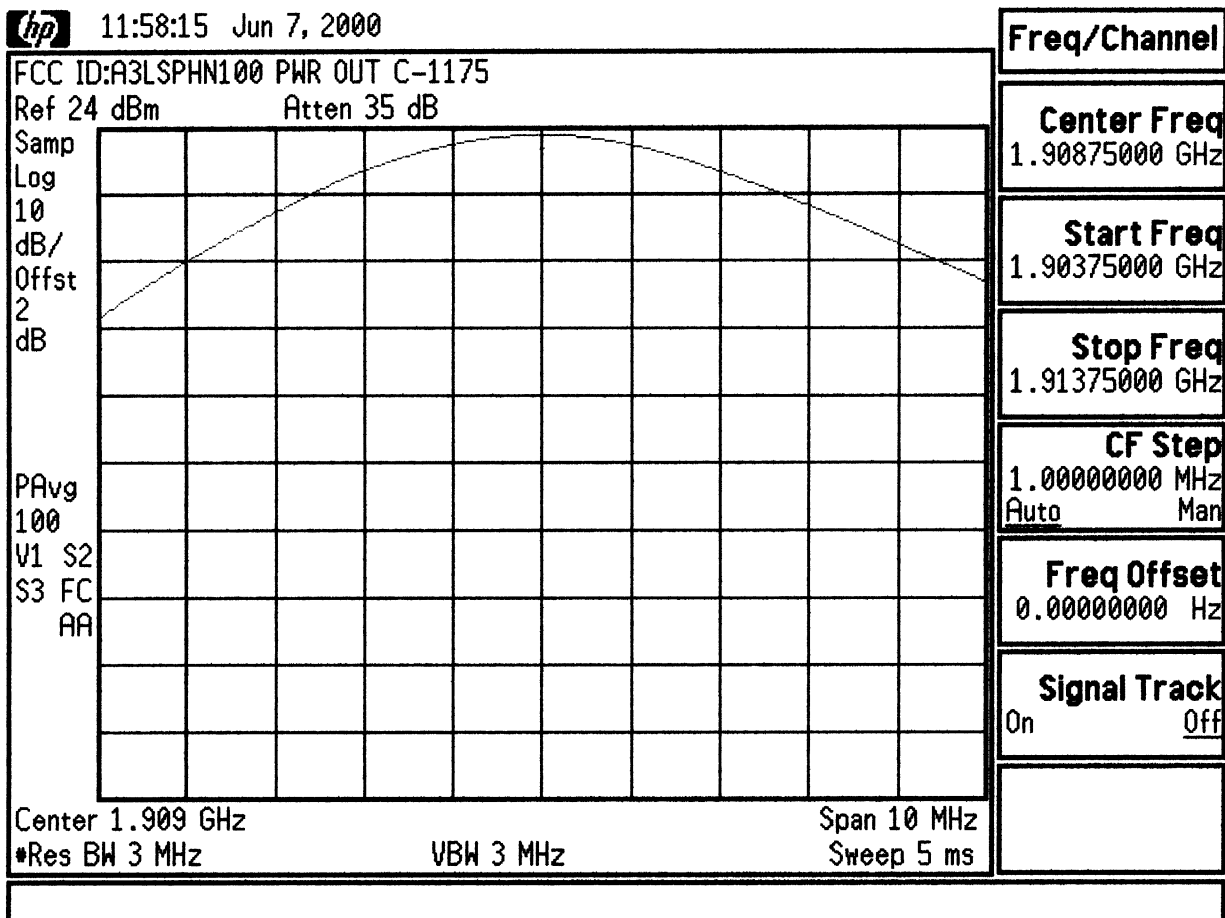
Freq Offset

0.00000000 Hz

Signal Track

On

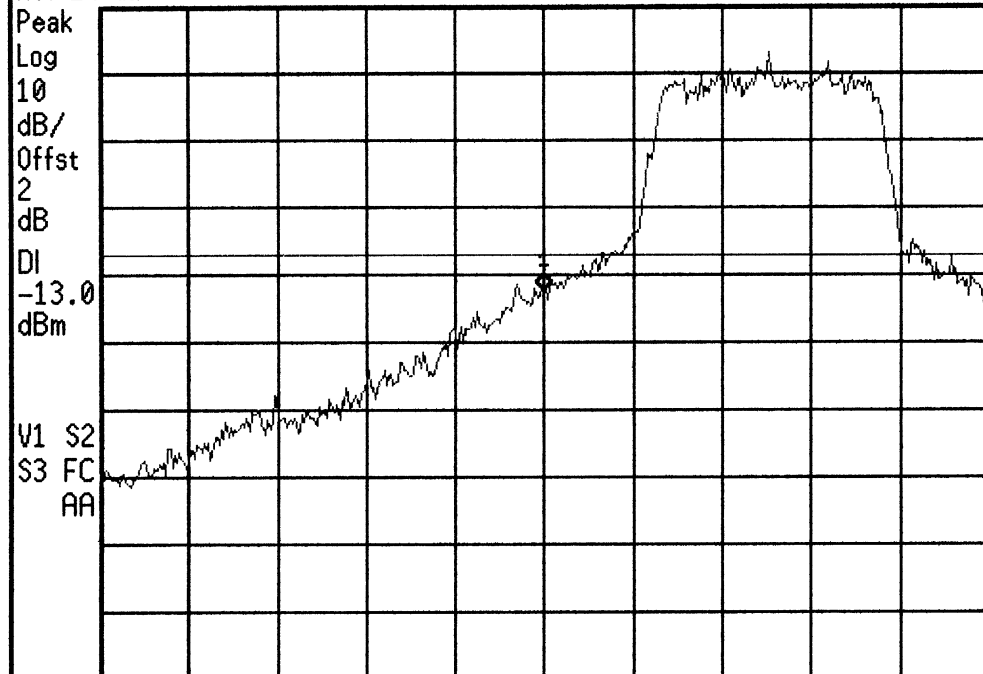
Off



hp 12:05:09 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-0025 Mkr1 1.850000 GHz

Ref 24 dBm Atten 35 dB -18.39 dBm



Center 1.85 GHz Span 5 MHz
*Res BW 30 kHz VBW 30 kHz Sweep 13.89 ms

Freq/Channel

Center Freq
1.85000000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85250000 GHz

CF Step
500.000000 kHz
Auto Man

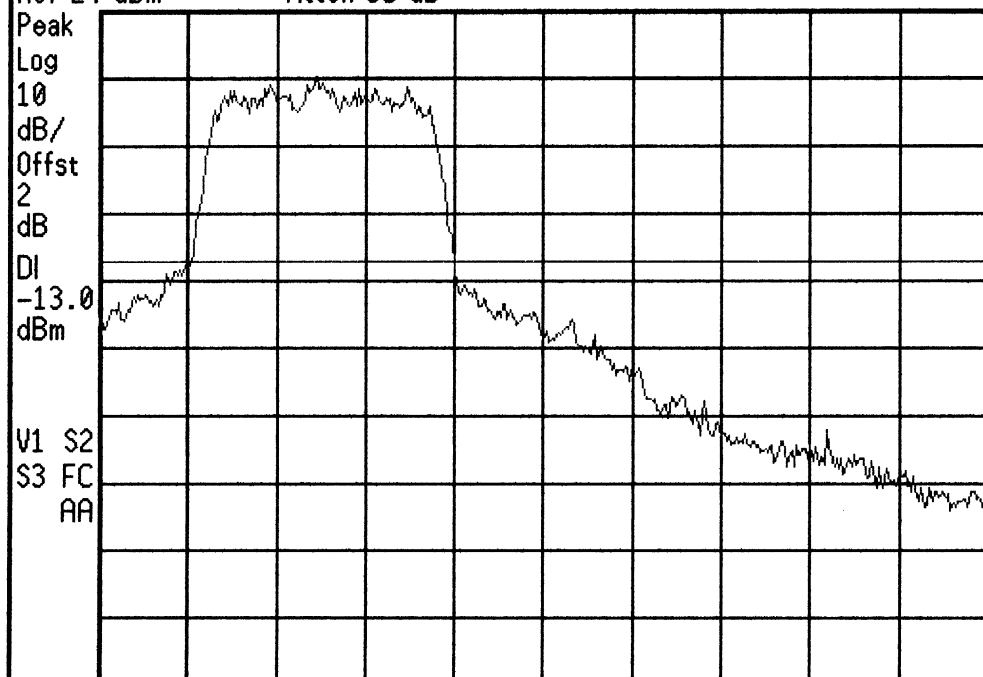
Freq Offset
0.00000000 Hz

Signal Track
On Off

hp 12:09:56 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-1175

Ref 24 dBm Atten 35 dB



Center 1.91 GHz Span 5 MHz
*Res BW 30 kHz VBW 30 kHz Sweep 13.89 ms

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

hp 12:35:07 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-0025

Ref 24 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
2
dB
DI
-13.0
dBm

V1 S2
S3 FC
AA

Start 1.847 GHz

*Res BW 1 MHz

VBW 1 MHz

Stop 1.847 GHz

Sweep 5 ms

Freq/Channel

Center Freq

1.84700000 GHz

Start Freq

1.84650000 GHz

Stop Freq

1.84750000 GHz

CF Step

1.00000000 MHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

hp 12:36:17 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-0025

Ref 24 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
2
dB
DI
-13.0
dBm

V1 S2
S3 FC
AA

Center 1.846 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Freq/Channel

Center Freq

1.84600000 GHz

Start Freq

1.84550000 GHz

Stop Freq

1.84650000 GHz

CF Step

1.00000000 MHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

hp 12:37:07 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-0025

Ref 24 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.845 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Trace

Trace

1

2

3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2

hp 12:37:32 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-0025

Ref 24 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.844 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Freq/Channel

Center Freq

1.84400000 GHz

Start Freq

1.84350000 GHz

Stop Freq

1.84450000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 12:29:06 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-1175

Ref 24 dBm Atten 35 dB

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.913 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Freq/Channel

Center Freq

1.91300000 GHz

Start Freq

1.91250000 GHz

Stop Freq

1.91350000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 12:29:37 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-1175

Ref 24 dBm Atten 35 dB

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.914 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Freq/Channel

Center Freq

1.91400000 GHz

Start Freq

1.91350000 GHz

Stop Freq

1.91450000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 12:30:21 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-1175

Ref 24 dBm Atten 35 dB

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.915 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Trace

Trace

1 2 3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2

hp 12:30:50 Jun 7, 2000

FCC ID:A3LSPHN100 BAND EDGE C-1175

Ref 24 dBm Atten 35 dB

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 1.916 GHz

*Res BW 1 MHz

VBW 1 MHz

Span 1 MHz

Sweep 5 ms

Freq/Channel

Center Freq

1.91600000 GHz

Start Freq

1.91550000 GHz

Stop Freq

1.91650000 GHz

CF Step

1.00000000 MHz

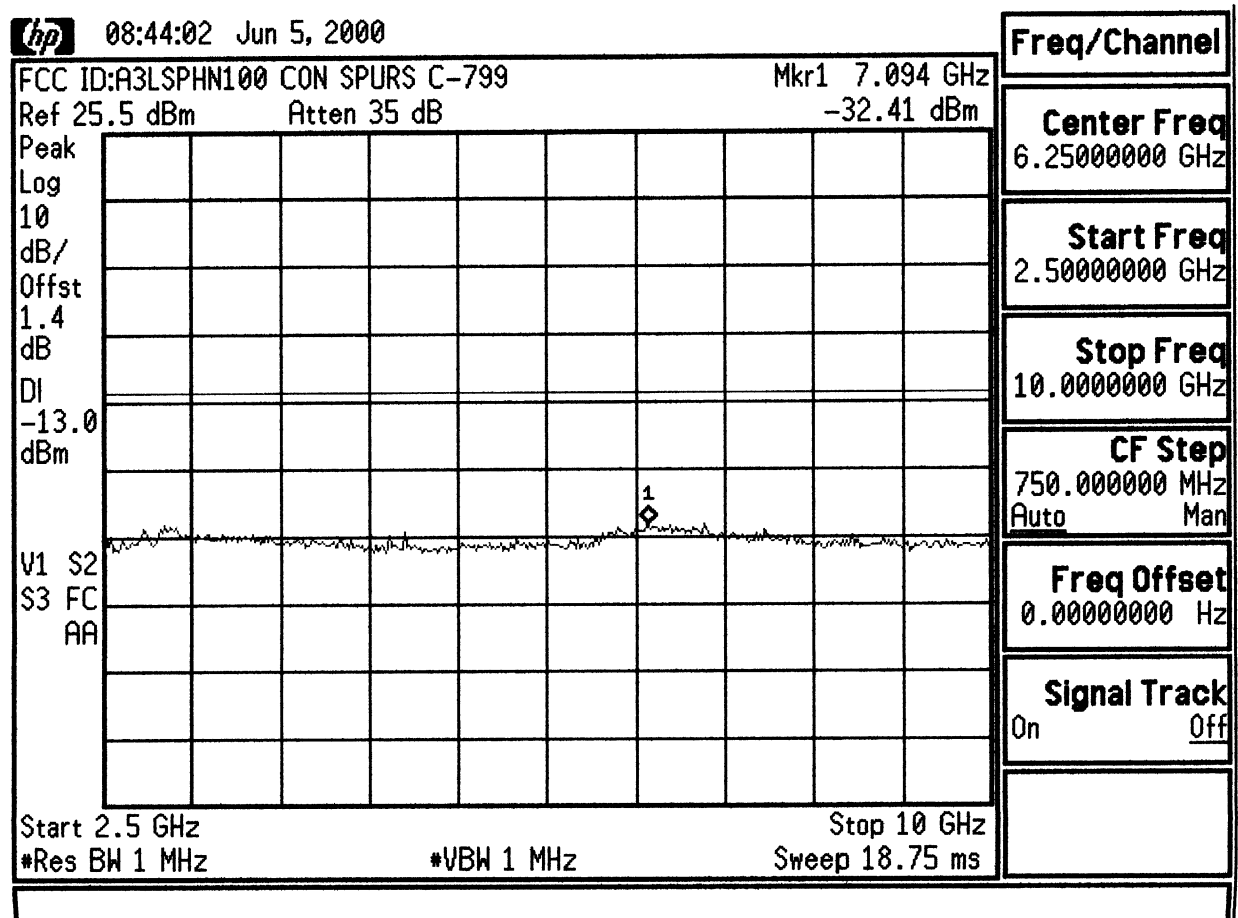
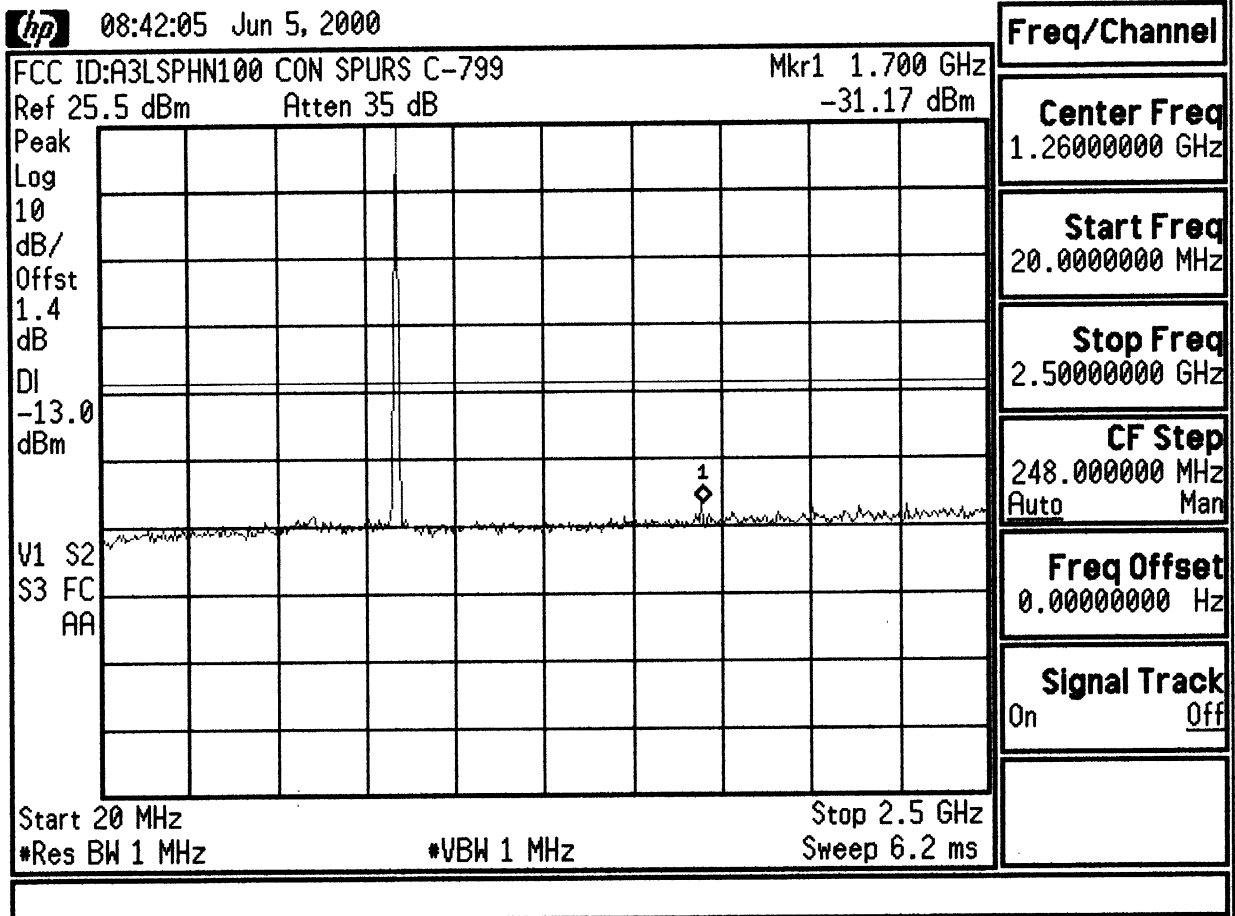
Auto Man

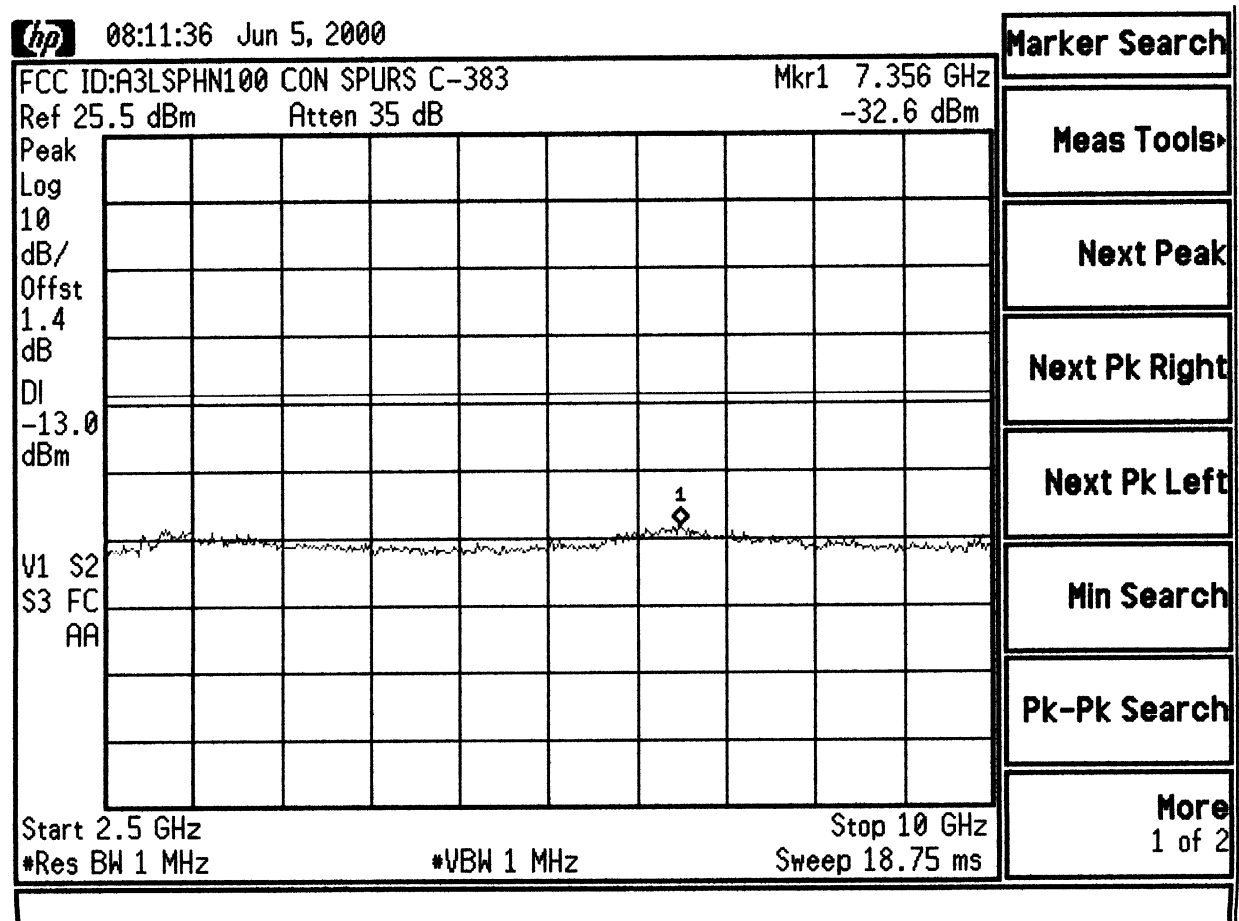
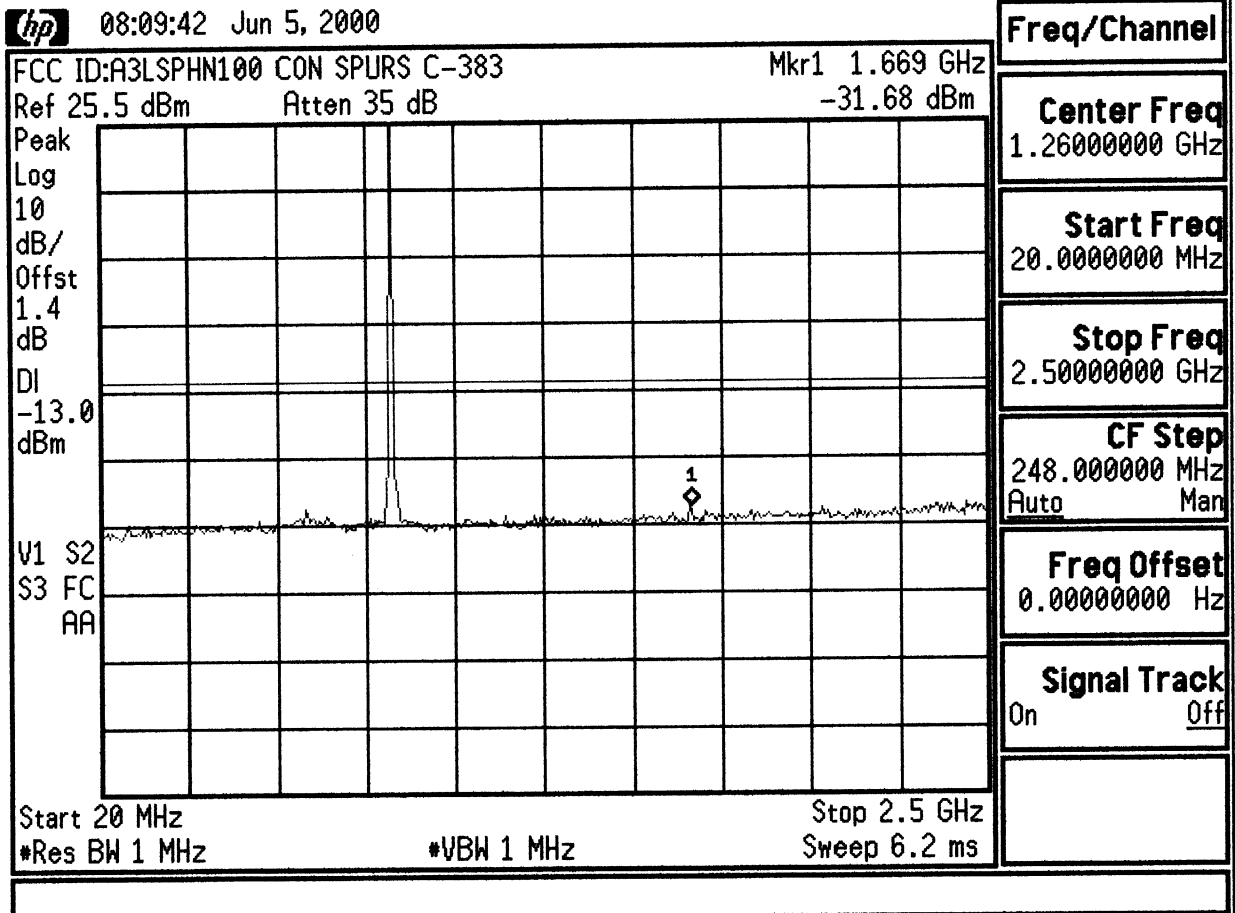
Freq Offset

0.00000000 Hz

Signal Track

On Off





hp 08:18:46 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS C-991

Mkr1 1.651 GHz

Ref 25.5 dBm

Atten 35 dB

-32.18 dBm

Peak

Log

10

dB/

Offst

1.4

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 20 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 2.5 GHz

Sweep 6.2 ms

Freq/Channel

Center Freq

1.26000000 GHz

Start Freq

20.0000000 MHz

Stop Freq

2.50000000 GHz

CF Step

248.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 08:21:08 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS C-991

Mkr1 7.356 GHz

Ref 25.5 dBm

Atten 35 dB

-32.71 dBm

Peak

Log

10

dB/

Offst

1.4

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



09:04:44 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS PCS C-0025

Mkr1 2.382 GHz

Ref 24 dBm

Atten 35 dB

-30.33 dBm

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

M1 S2

S3 FC

AA

Start 20 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 2.5 GHz

Sweep 6.2 ms

Freq/Channel

Center Freq

1.26000000 GHz

Start Freq

20.0000000 MHz

Stop Freq

2.50000000 GHz

CF Step

248.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off



09:05:40 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS PCS C-0025

Mkr1 14.49 GHz

Ref 24 dBm

Atten 35 dB

-31.66 dBm

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

M1 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 08:56:59 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS PCS C-0600

Mkr1 2.302 GHz

Ref 24 dBm

Atten 35 dB

-31.34 dBm

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 20 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 2.5 GHz

Sweep 6.2 ms

Freq/Channel

Center Freq

1.26000000 GHz

Start Freq

20.0000000 MHz

Stop Freq

2.50000000 GHz

CF Step

248.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 08:58:02 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS PCS C-0600

Mkr1 13.57 GHz

Ref 24 dBm

Atten 35 dB

-31.14 dBm

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

M1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 20 GHz

Sweep 175 ms

Marker Search

Meas Tools>

Next Peak

Next Pk Right

Next Pk Left

Min Search

Pk-Pk Search

More

1 of 2

hp 09:10:15 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS PCS C-1175

Mkr1 1.936 GHz

Ref 24 dBm

Atten 35 dB

-31.05 dBm

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

M1 S2

S3 FC

AA

Start 20 MHz

*Res BW 1 MHz

*VBW 1 MHz

Stop 2.5 GHz

Sweep 6.2 ms

Freq/Channel

Center Freq

1.26000000 GHz

Start Freq

20.0000000 MHz

Stop Freq

2.50000000 GHz

CF Step

248.000000 MHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

hp 09:13:36 Jun 5, 2000

FCC ID:A3LSPHN100 CON SPURS PCS C-1175

Mkr1 13.74 GHz

Ref 24 dBm

Atten 35 dB

-31.46 dBm

Peak

Log

10

dB/

Offst

2

dB

DI

-13.0

dBm

M1 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