

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA105

SAMSUNG DUAL MODE PHONE

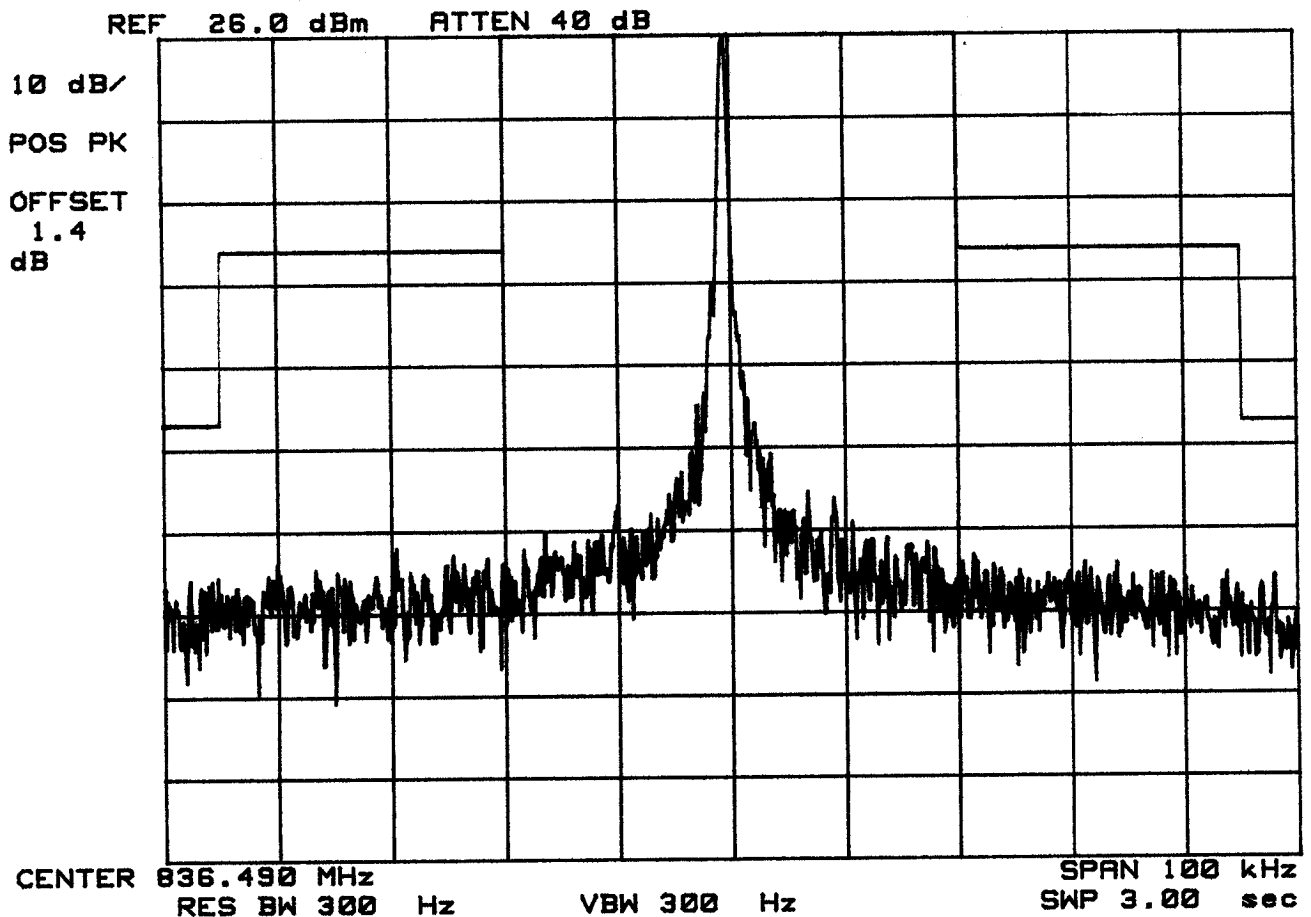
CHAN 383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA105

SAMSUNG DUAL MODE PHONE

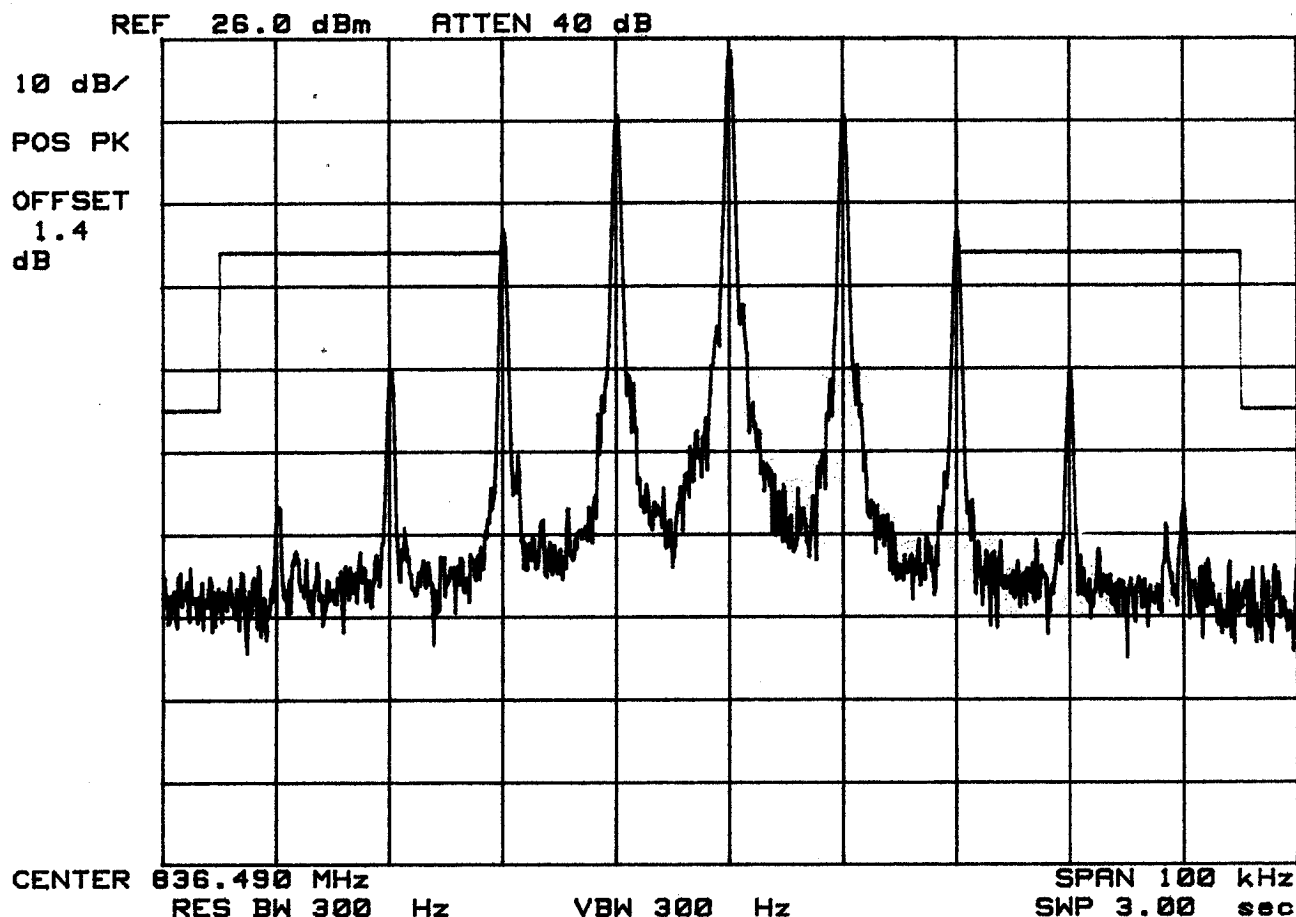
CHAN 383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH105

SAMSUNG DUAL MODE PHONE

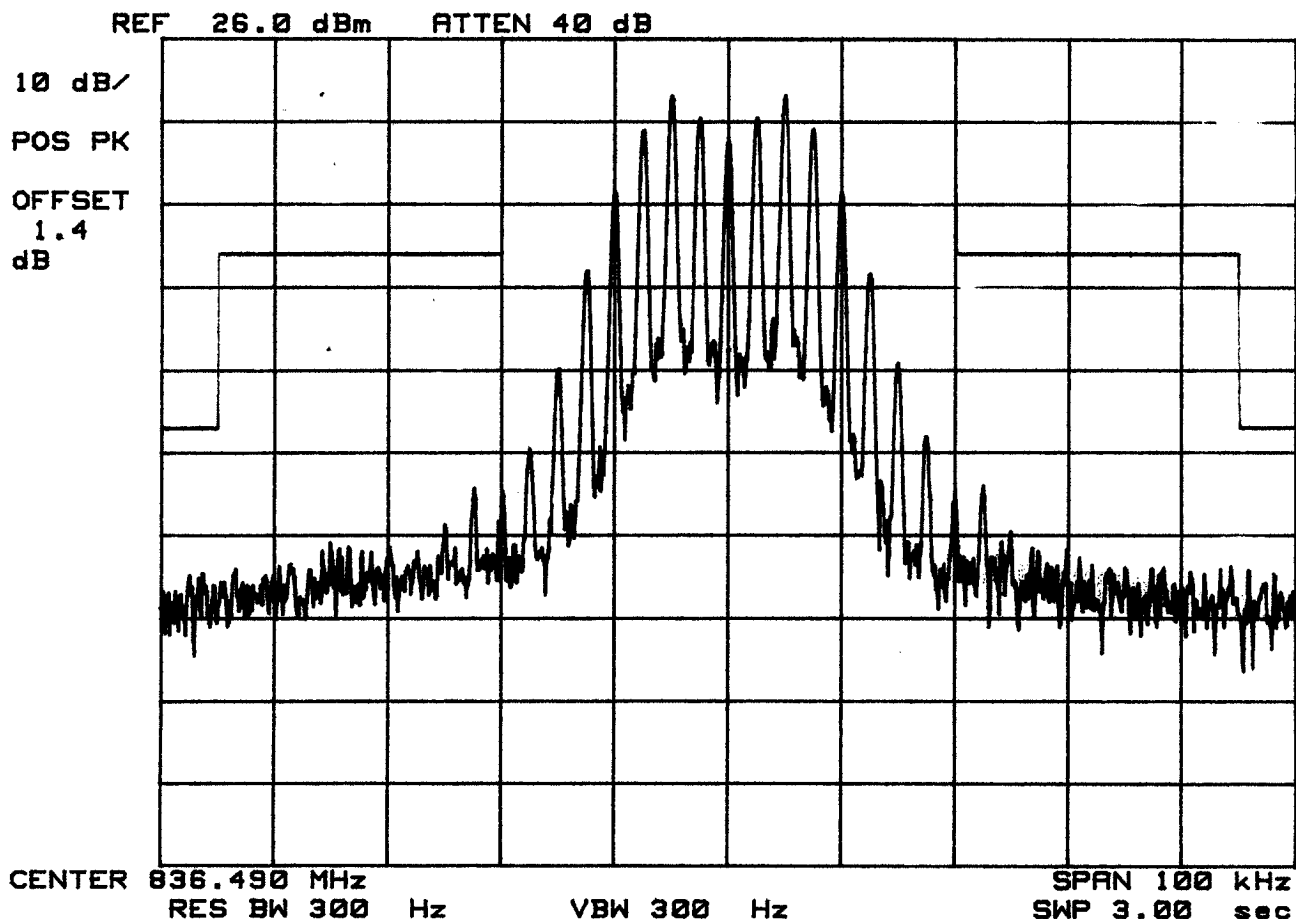
CHAN 383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA105

SAMSUNG DUAL MODE PHONE

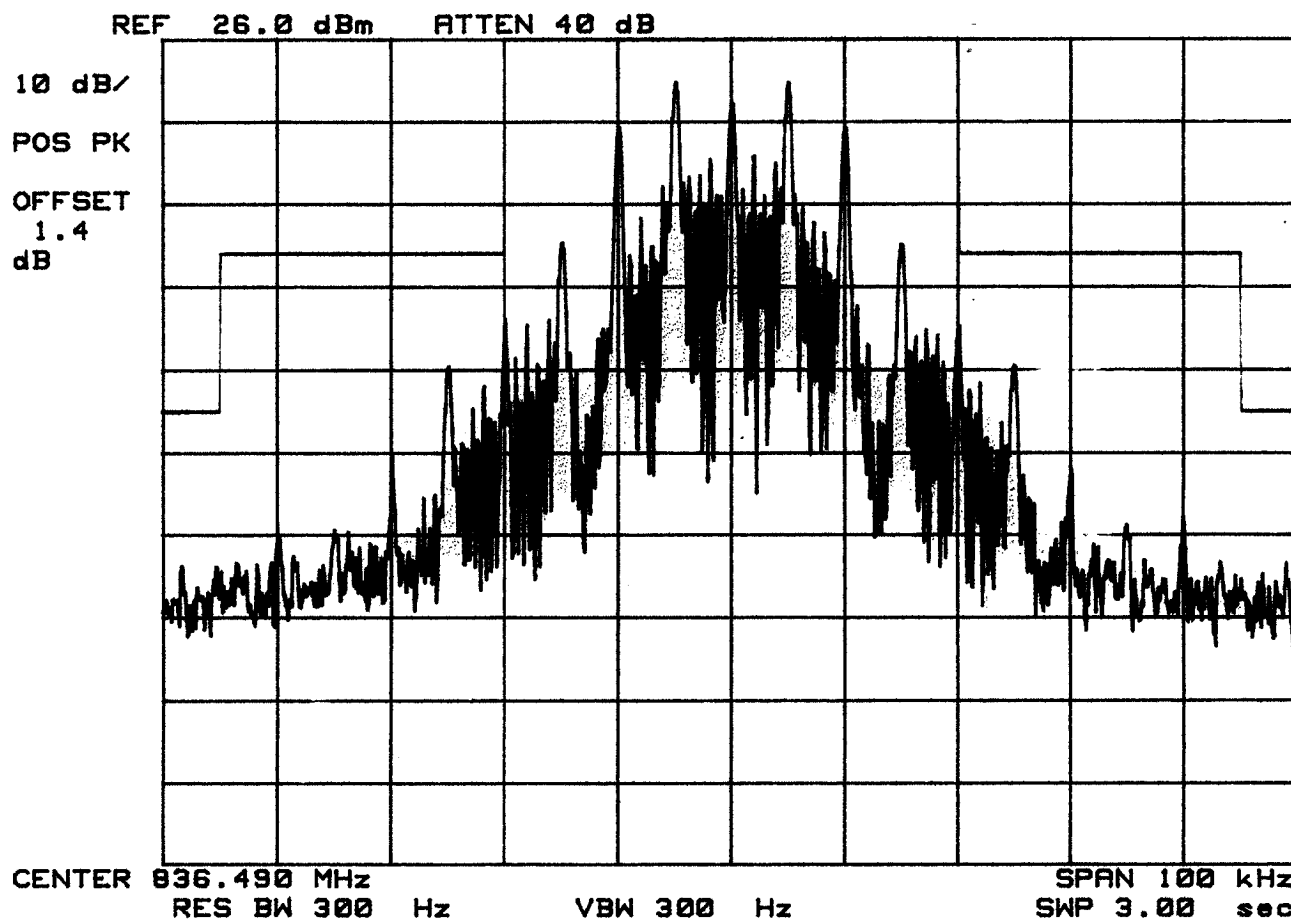
CHAN 383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Wide Band Data



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA105

SAMSUNG DUAL MODE PHONE

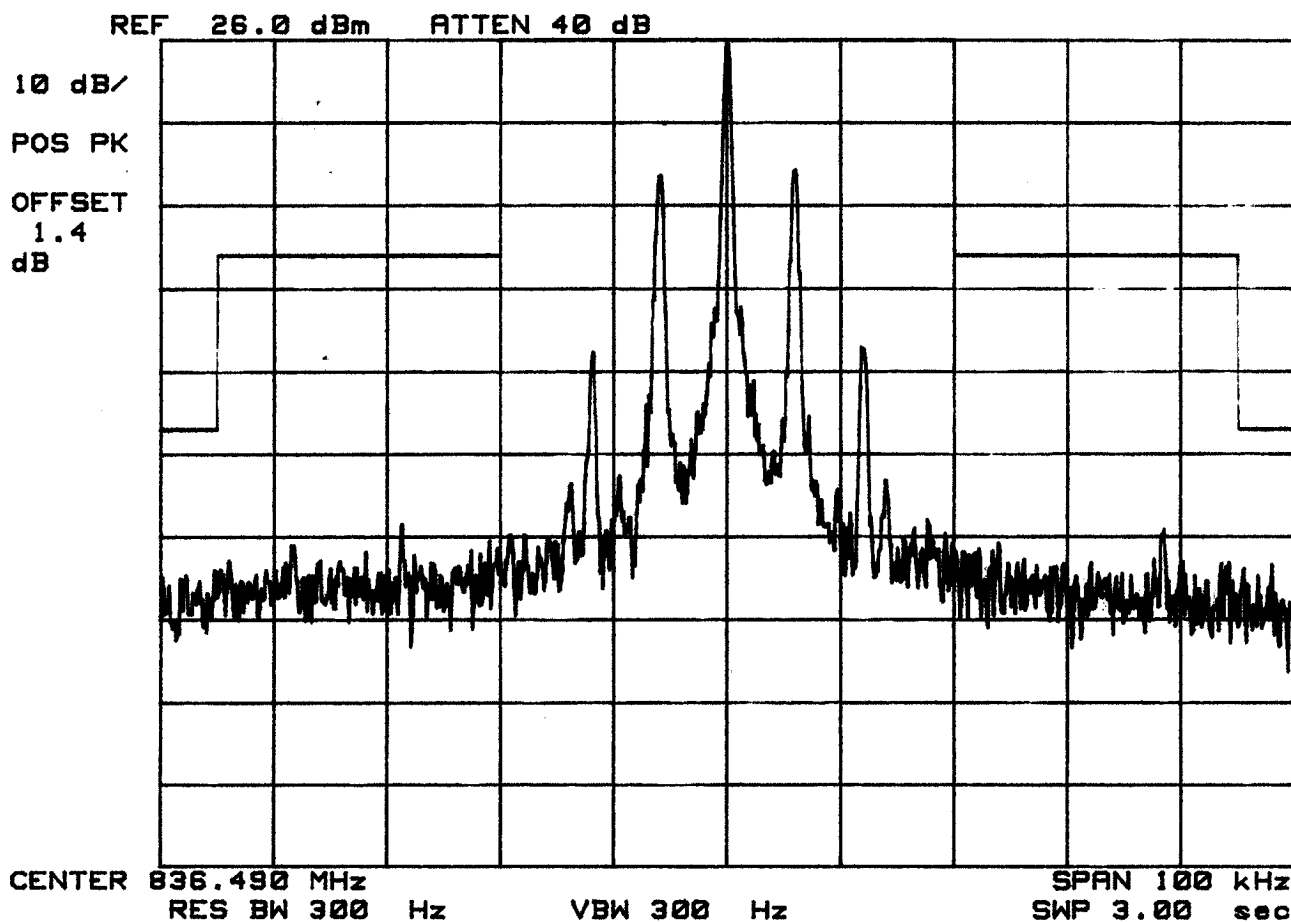
CHAN 383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



hp 05:13:08 Apr 17, 2000

FCC ID:A3LSCHA105

Mkr1 878.44 MHz

Ref -60 dBm

Atten 5 dB Ext PG 25 dB

-97.3 dBm

Peak

Log

5

dB/

Offst

6

dB

DI

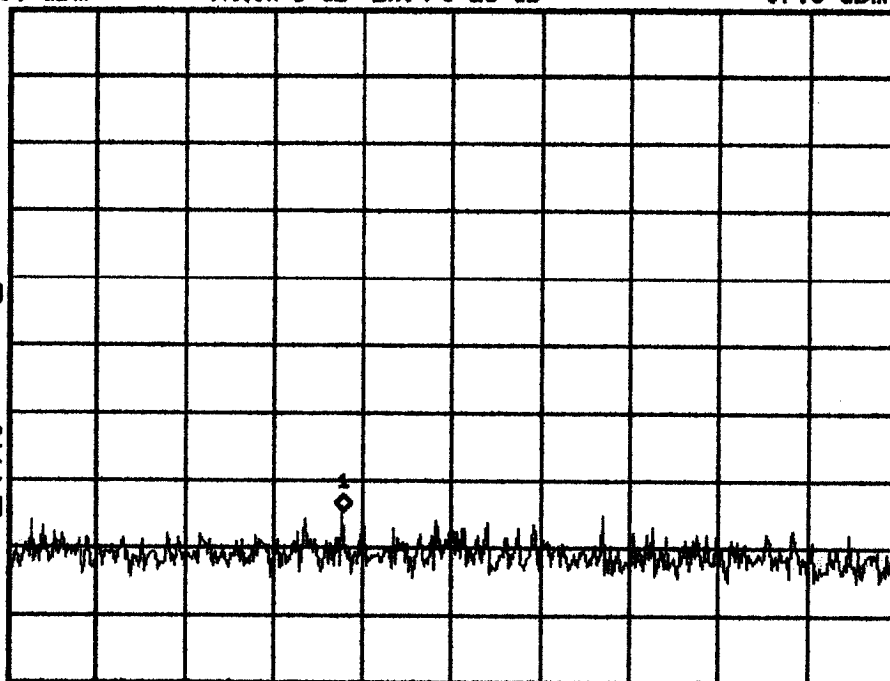
-80.0

dBm

V1 S2

S3 FC

AA



Start 869 MHz

Res BW 300 kHz

VBW 300 kHz

Stop 894 MHz

Sweep 5 ms

Freq/Channel

Center Freq
881.500000 MHz

Start Freq
869.000000 MHz

Stop Freq
894.000000 MHz

CF Stop
2.5000000 MHz
Auto Man

Freq Offset
0.0000000 Hz

Signal Track
On Off

hp 10:26:42 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-991

Mkr1 1.669 GHz

Ref 26 dBm

Atten 35 dB

-32.89 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 10:27:25 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-991

Mkr1 5.856 GHz

Ref 26 dBm

Atten 35 dB

-29.22 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

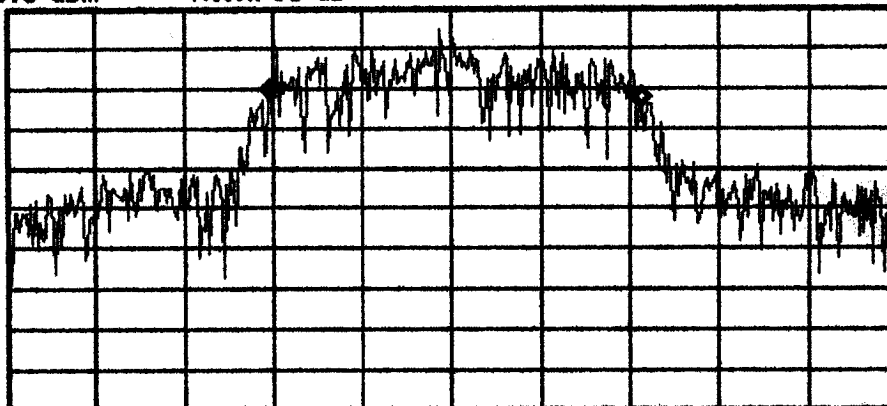
Off

hp 08:51:08 Apr 12, 2000

FCC ID:A3LSCHA105 PWR OUT C-0777

Ref 25.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.4
dB



Center 848.3 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 9.884 kHz

Freq/Channel

Center Freq

848.310000 MHz

Start Freq

846.810000 MHz

Stop Freq

849.810000 MHz

CF Step

300.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

hp 08:20:06 Apr 12, 2000

FCC ID:A3LSCHA105 BAND EDGE C-0777

Ref 25.5 dBm Atten 35 dB

Peak

Log

10

dB/

Offst

1.4

dB

DI

-13.0

dBm

V1 S2
S3 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

hp 08:22:52 Apr 12, 2000

FCC ID:A3LSCHA105 BAND EDGE C-1013

Ref 25.5 dBm Atten 35 dB

Peak

Log

10

dB/

Offst

1.4

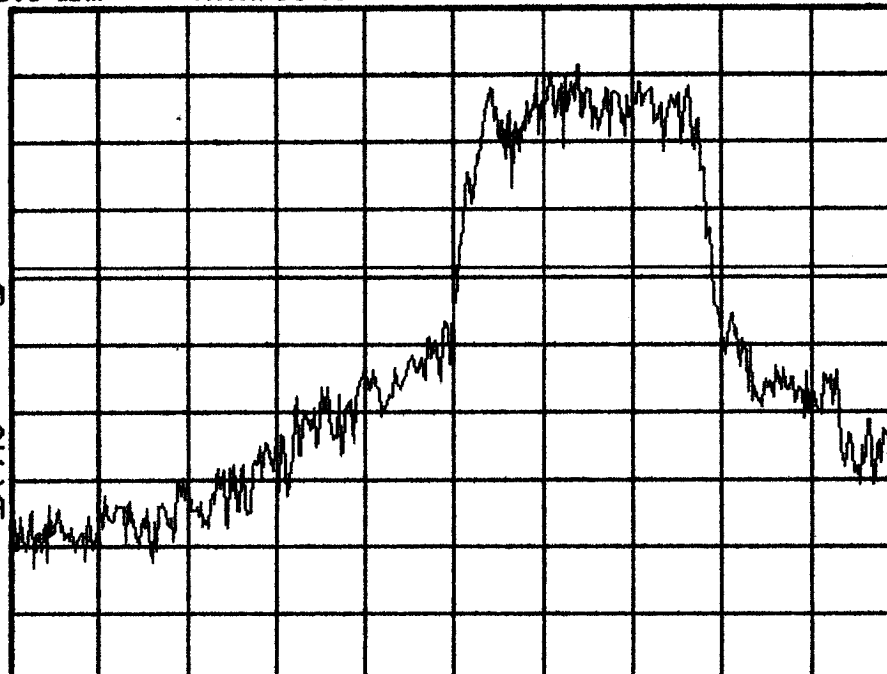
dB

DI

-13.0

dBm

V1 S2
S3 FC
AA



Center 824 MHz

*Res BW 30 kHz

VBW 30 kHz

Span 5 MHz

Sweep 13.89 ms

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

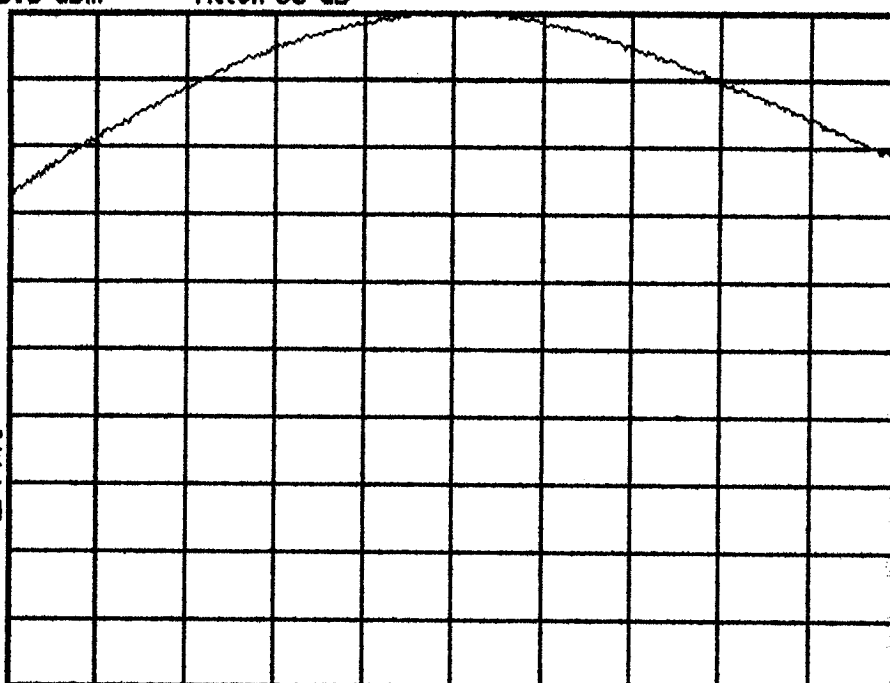
hp 08:35:56 Apr 12, 2000

FCC ID:A3LSCHA105 PWR OUT C-0363

Ref 25.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.4
dB

VAvg
100
V1 S2
S3 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

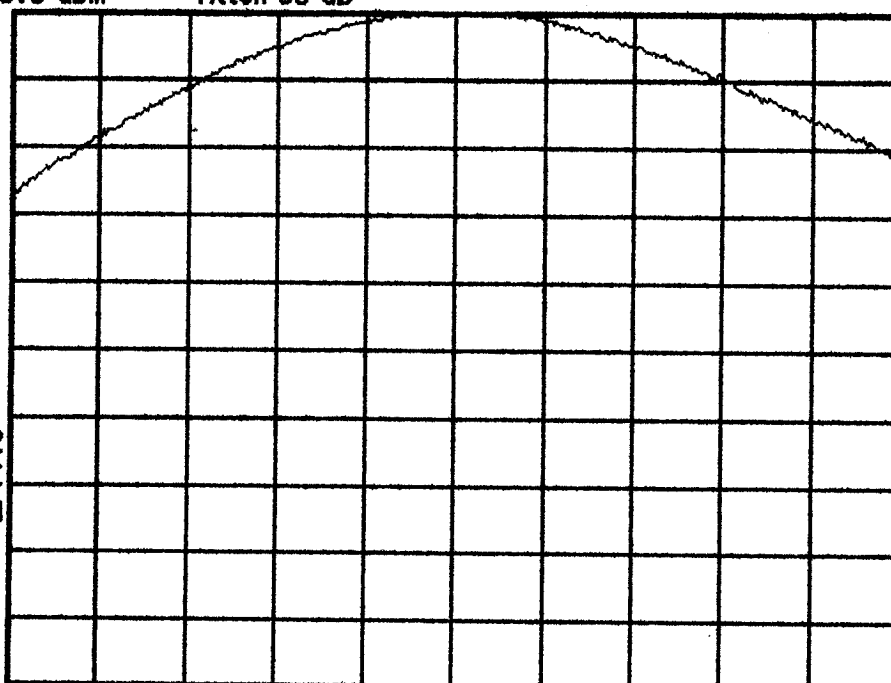
hp 08:37:29 Apr 12, 2000

FCC ID:A3LSCHA105 PWR OUT C-1013

Ref 25.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.4
dB

VAvg
100
W1 S2
S3 FC
AA



Center 824.7 MHz

Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 5 ms

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

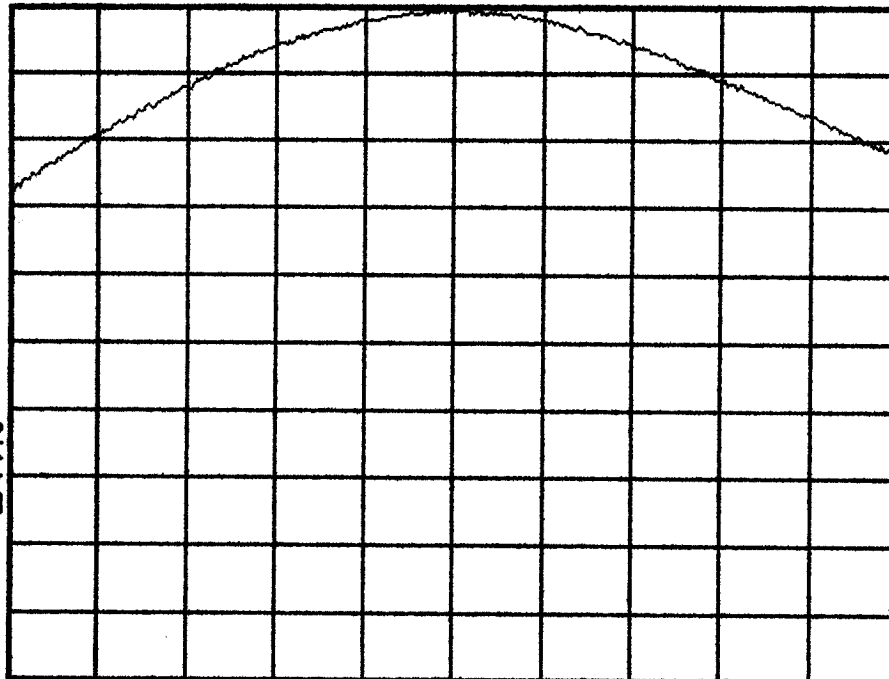
hp 08:40:48 Apr 12, 2000

FCC ID:A3LSCHA105 PWR OUT C-0777

Ref 25.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.4
dB

VAvg
100
W1 S2
S3 FC
AA



Center 848.3 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 5 ms

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

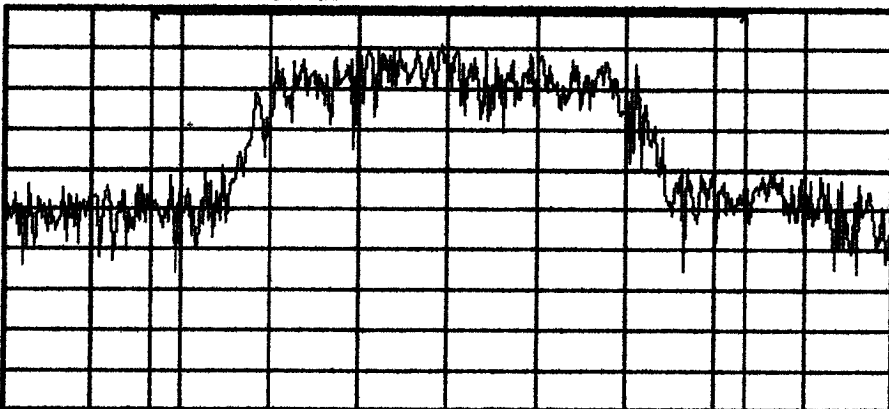
Signal Track
On Off

hp 08:41:58 Apr 12, 2000

FCC ID:A3LSCHA105 PWR OUT C-0777

Ref 25.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.4
dB



Center 848.3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz

Sweep 9.167 ms

Measure

Meas Off

ACP

Channel Power

Occupied BW

Emission BW

Harmonic Dist

Channel Power Results (idle)

Channel Power
25.48 dBm

Integration BW 2.000 MHz

Density -37.53 dBm/Hz

hp 10:31:21 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-383

Mkr1 1.675 GHz

Ref 26 dBm

Atten 35 dB

-33.45 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 Stop

248.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 10:32:10 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-383

Mkr1 5.856 GHz

Ref 26 dBm

Atten 35 dB

-29.03 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 Stop

750.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 10:33:52 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-799
Ref 26 dBm Atten 35 dB

Mkr1 1.669 GHz
-32.39 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 10:34:36 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-799
Ref 26 dBm Atten 35 dB

Mkr1 5.856 GHz
-29.75 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



08:14:21 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-0777

Mkr1 1.700 GHz

Ref 25.5 dBm

Atten 35 dB

-26.67 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 Stop

248.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off



08:16:04 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-0777

Mkr1 7.581 GHz

Ref 25.5 dBm

Atten 35 dB

-32.65 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 Stop

750.000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off



07:50:52 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-1013

Mkr1 1.651 GHz

Ref 25.5 dBm

Atten 35 dB

-35.33 dBm

Peak

Log

10

dB/

Offst

1.4

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



07:53:33 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-1013

Mkr1 5.781 GHz

Ref 25.5 dBm

Atten 35 dB

-30.5 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

6.25000005 GHz

Start Freq

2.50000000 GHz

Stop Freq

10.0000001 GHz

CF Step

750.000010 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

hp 08:00:29 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-0363

Mkr1 1.675 GHz

Ref 25.5 dBm

Atten 35 dB

-31.38 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 08:01:20 Apr 12, 2000

FCC ID:A3LSCHA105 CON SPURS C-0363

Mkr1 5.856 GHz

Ref 25.5 dBm

Atten 35 dB

-28.2 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