

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

**FCC ID:** A3LSCH850

**SAMSUNG DUAL MODE PHONE**

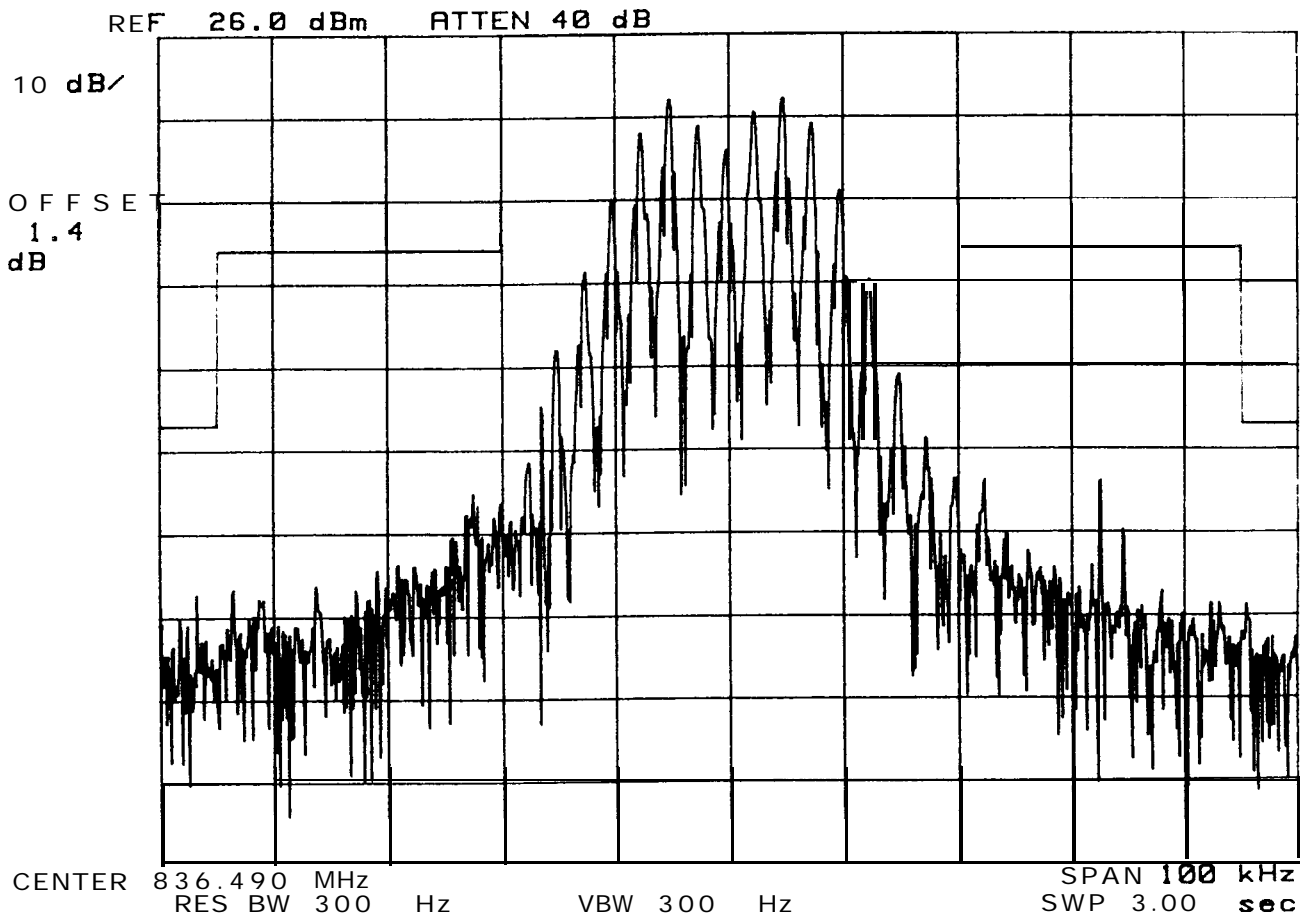
**FM MODE**

**CHAN 383**

**Operating Frequency: 836.498 MHz**

**Output Power : 26.0 dBm**

**Test Mode:** Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH850

SAMSUNG DUAL MODE PHONE

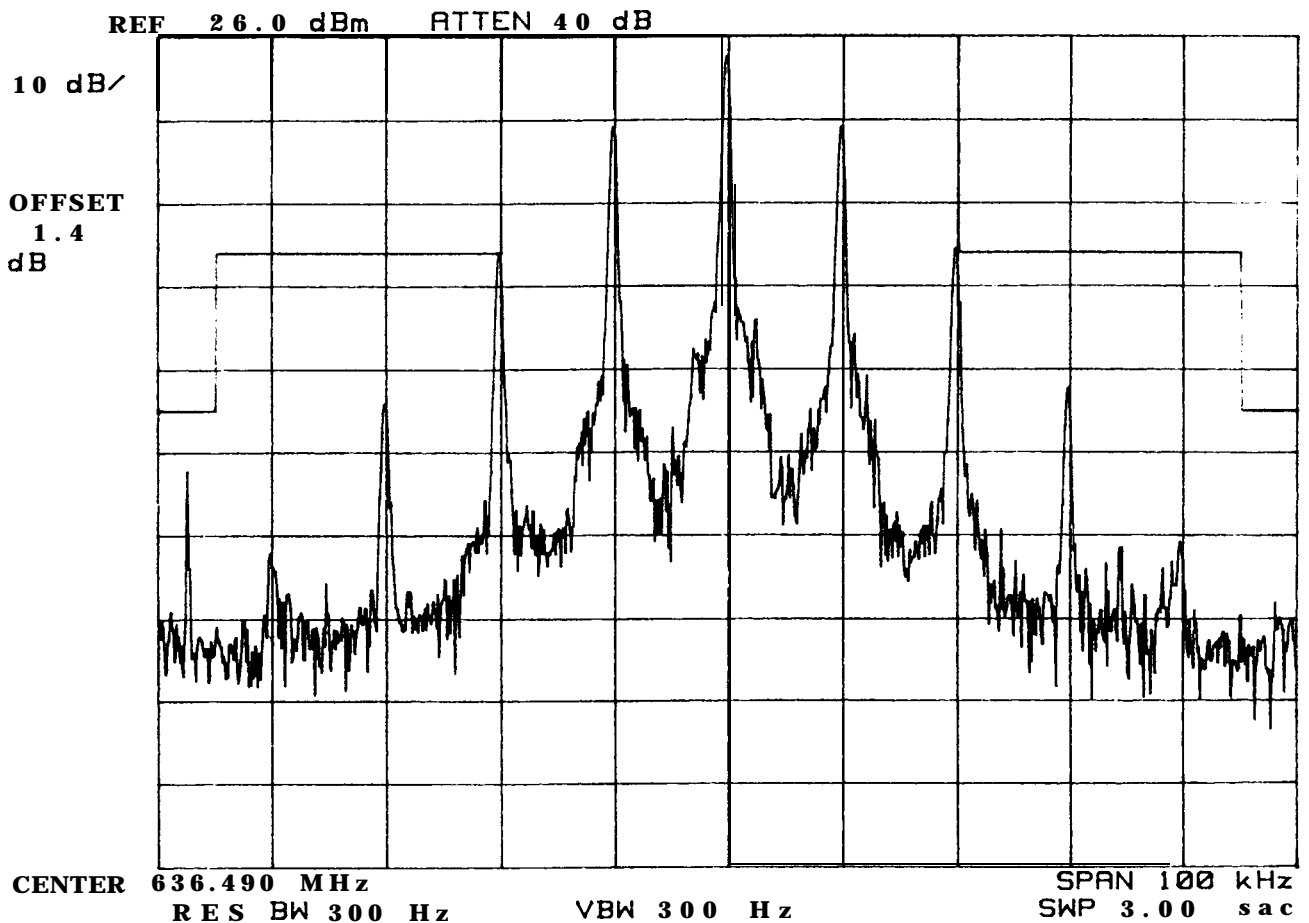
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



# PCTEST Engineering Lab,

## SPECTRUM ANALYZER PRESENTATION

**FCC ID:A3LSCH850**

**SAMSUNG DUAL MODE PHONE**

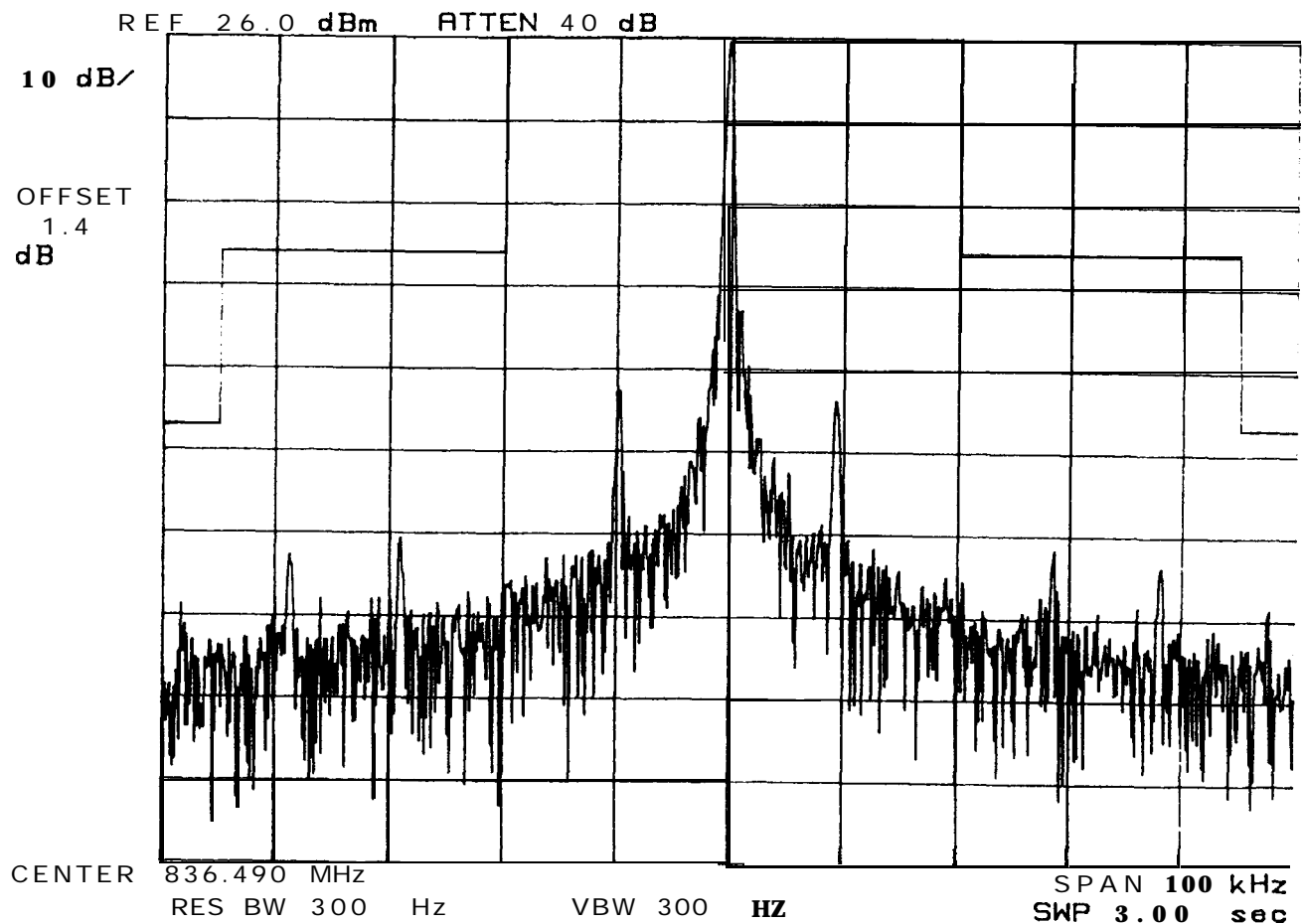
**FM MODE**

**CHAN 383**

**Operating Frequency: 836.490 MHz**

**Output Power : 26.0 dBm**

**Test Mode:Unmodulated Signal**



# PCTEST Engineering Lab,

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH850

SAMSUNG DUAL MODE PHONE

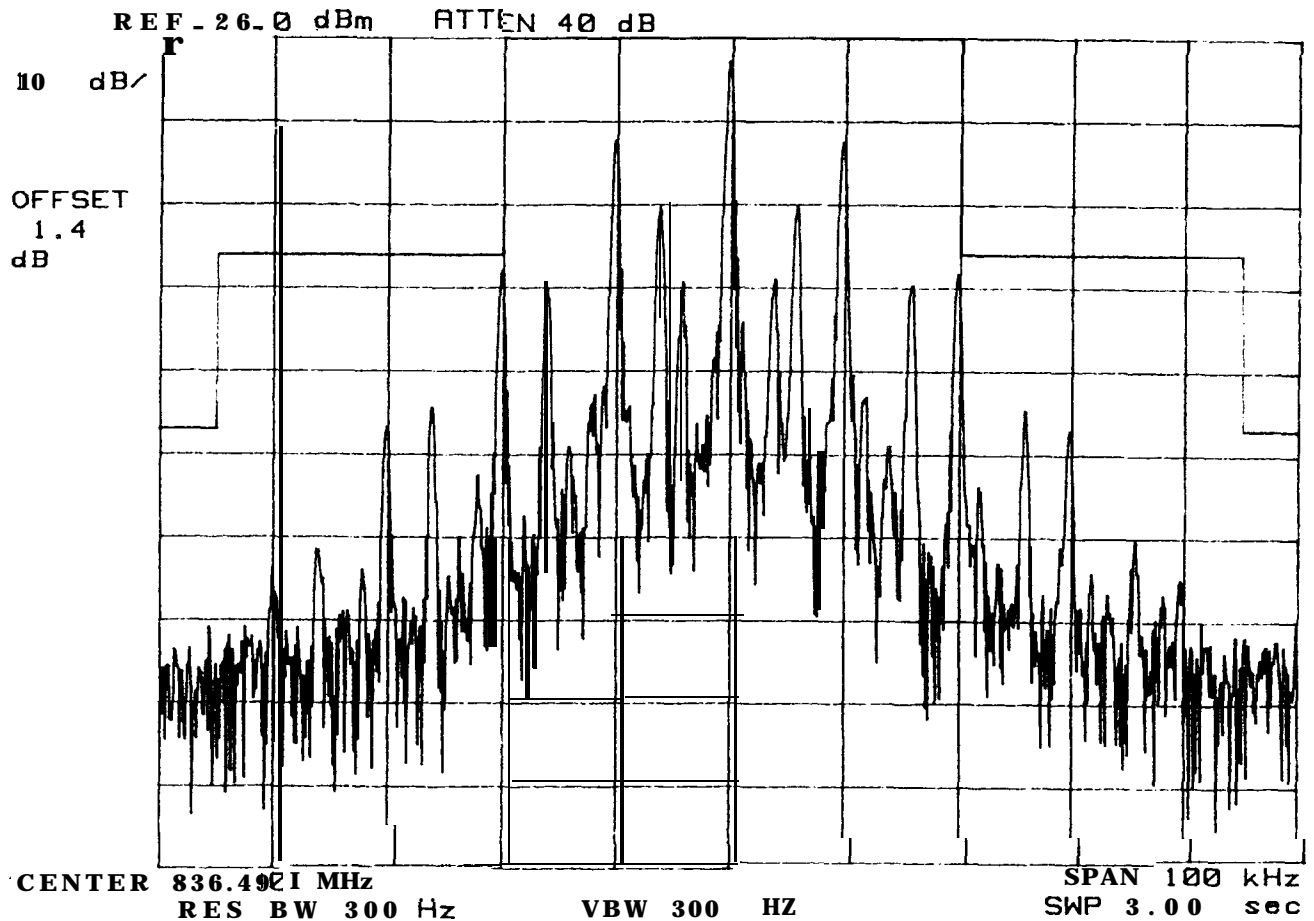
FM MODE

CHAN 383

Operating Frequency: 836.498 MHz

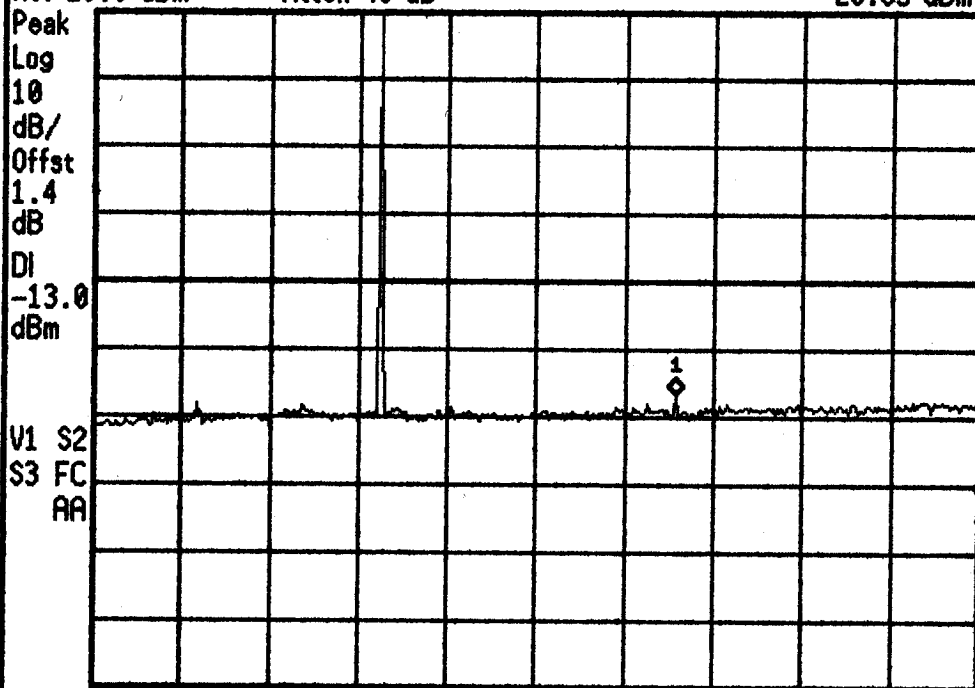
Output Power : 26.0 dBm

Test Mode:SAT + ST



hp 10:26:59 Apr 27, 2000

FCC ID:A3LSCH850 CON SPURS C-991 Mkr1 1.651 GHz  
Ref 26.8 dBm Atten 40 dB -29.85 dBm



**Freq/Channel**

**Center Freq**  
1.26000000 GHz

**Start Freq**  
20.0000000 MHz

**Stop Freq**  
2.50000000 GHz

**CF Stop**  
248.000000 MHz  
Auto Man

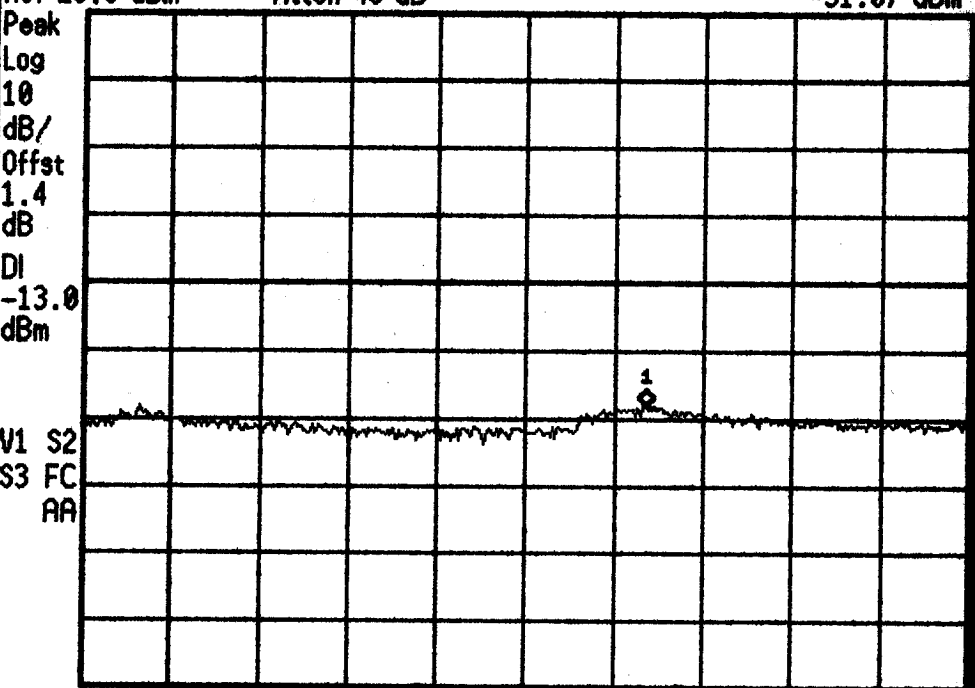
**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

Start 20 MHz Stop 2.5 GHz  
Res BW 1 MHz VBW 1 MHz Sweep 6.2 ms

hp 10:27:37 Apr 27, 2000

FCC ID:A3LSCH850 CON SPURS C-991 Mkr1 7.263 GHz  
Ref 26.8 dBm Atten 40 dB -31.07 dBm



**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

Start 2.5 GHz Stop 10 GHz  
Res BW 1 MHz VBW 1 MHz Sweep 18.75 ms

10:23:45 Apr 27, 2000

FCC ID:A3LSCH850 CON SPURS C-383

Mkr1 1.272 GHz

Ref 26.8 dBm

Atten 40 dB

-31.42 dBm

Peak

Log

10

dB/

Offst

1.4

dB

DI

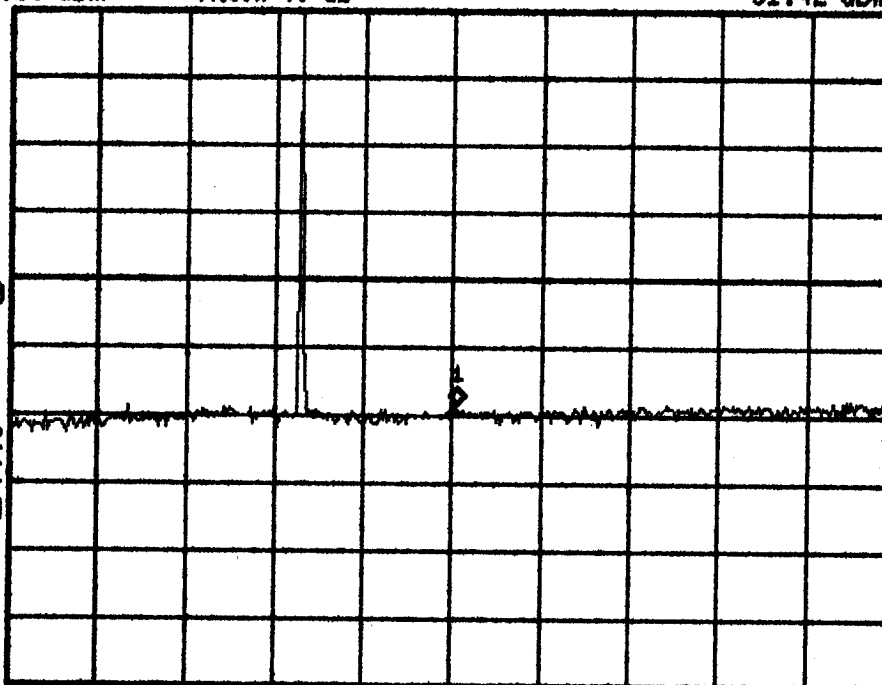
-13.0

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  
1.2600000 GHz

Start Freq  
20.0000000 MHz

Stop Freq  
2.5000000 GHz

CF Stop  
248.000000 MHz  
Auto Mark

Freq Offset  
0.0000000 Hz

Signal Track  
On Off

10:24:45 Apr 27, 2000

FCC ID:A3LSCH850 CON SPURS C-383

Mkr1 7.263 GHz

Ref 26.8 dBm

Atten 40 dB

-30.42 dBm

Peak

Log

10

dB/

Offst

1.4

dB

DI

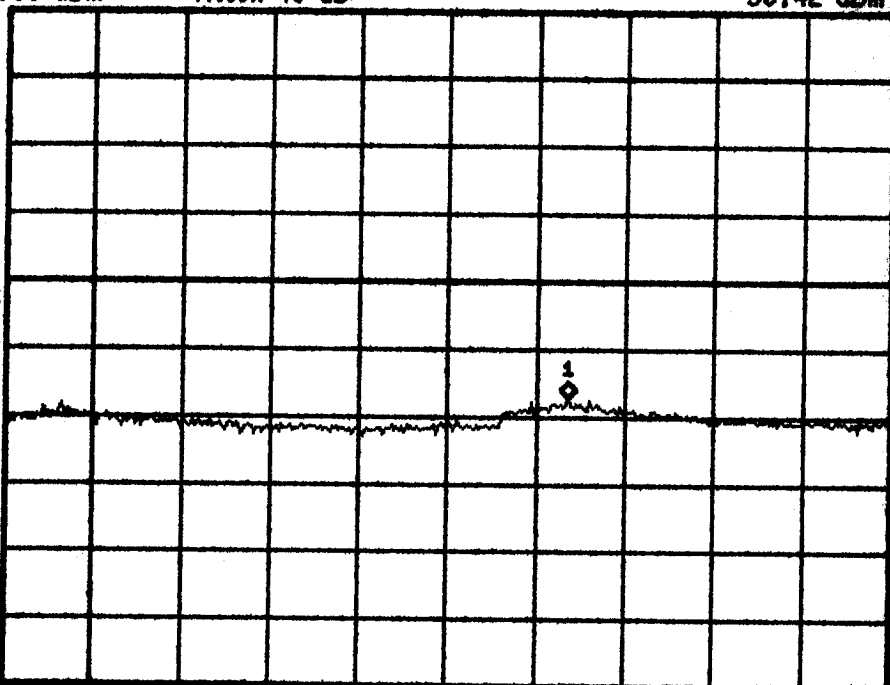
-13.0

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  
8.2500000 GHz

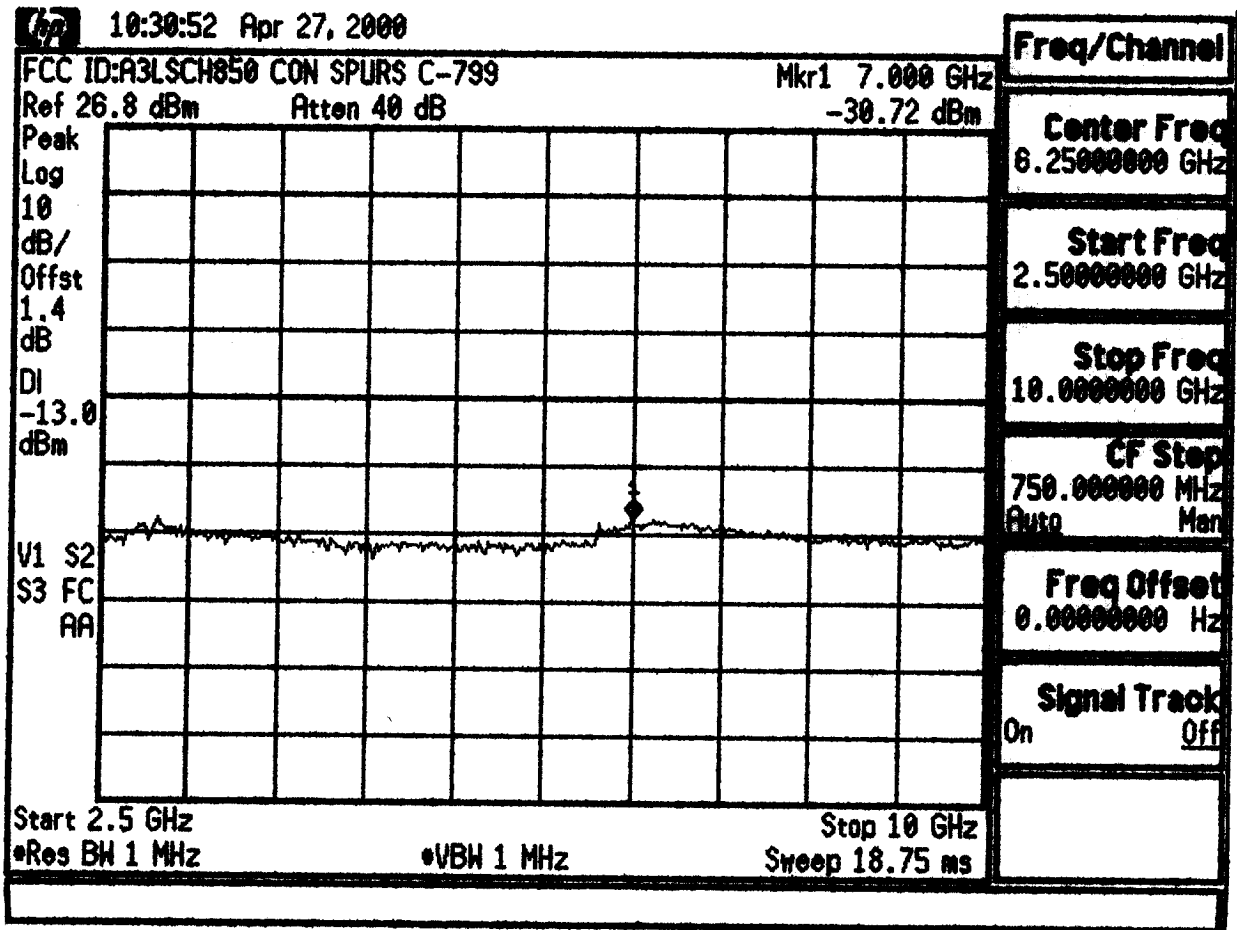
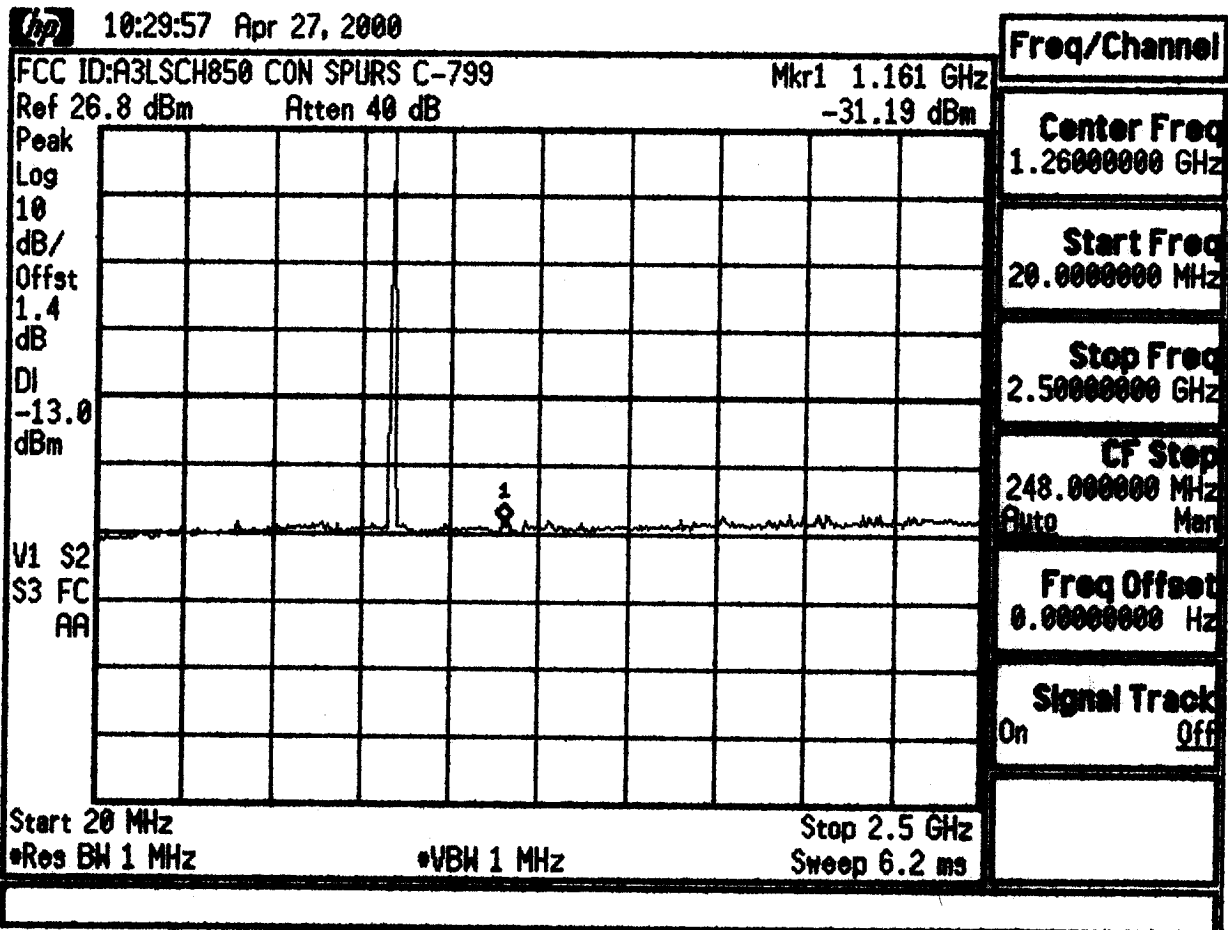
Start Freq  
2.5000000 GHz

Stop Freq  
10.0000000 GHz

CF Stop  
750.000000 MHz  
Auto Mark

Freq Offset  
0.0000000 Hz

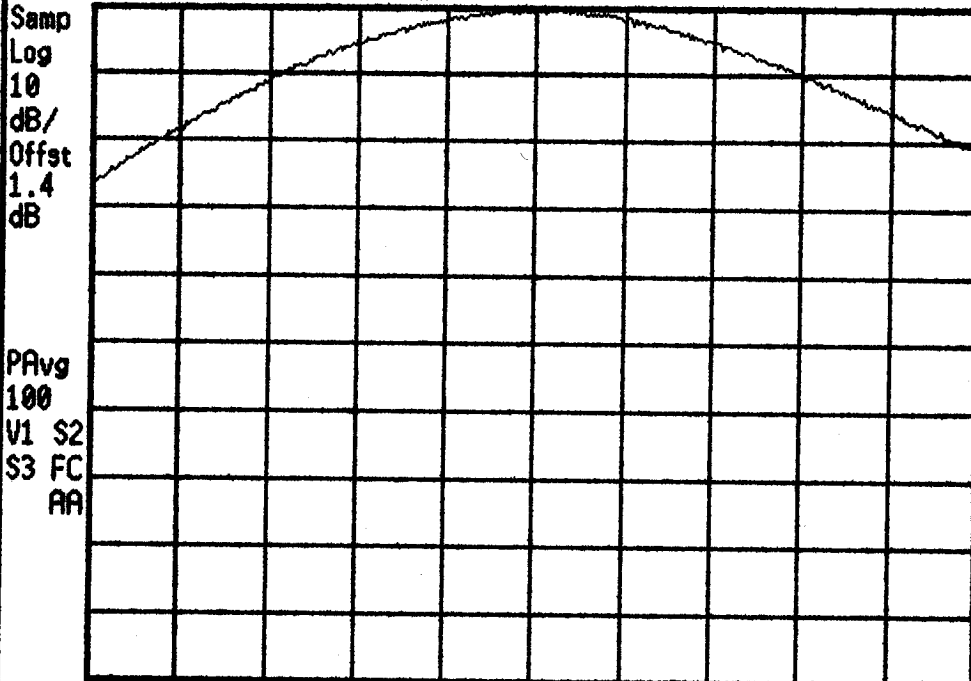
Signal Track  
On Off



05:58:07 Apr 28, 2000

FCC ID:A3LSCH850 PWR OUT C-0777

Ref 23.3 dBm Atten 35 dB



Center 848.3 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

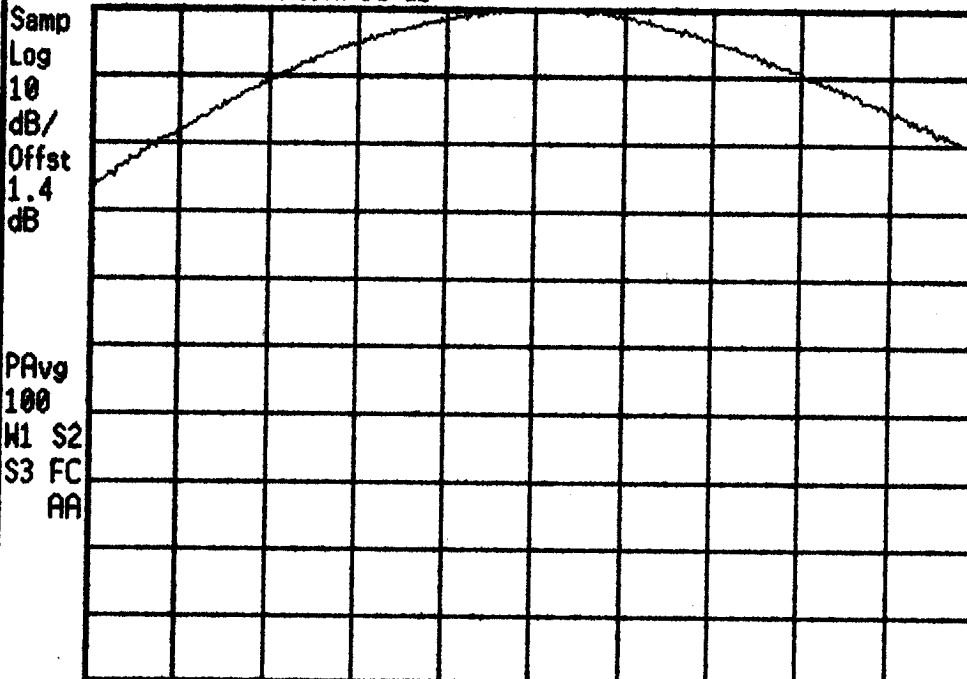
More

1 of 2

06:05:16 Apr 28, 2000

FCC ID:A3LSCH850 PWR OUT C-0363

Ref 23.3 dBm Atten 35 dB



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  
1.0000000 MHz  
Auto Man

Freq Offset  
0.0000000 Hz

Signal Track  
On Off

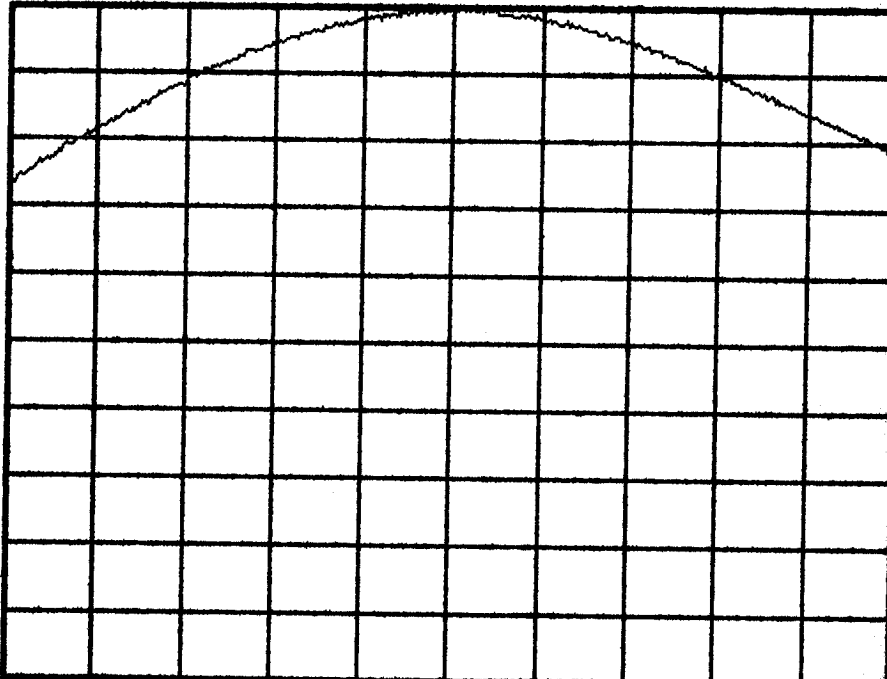
hp 06:10:04 Apr 28, 2000

FCC ID:A3LSCH850 PWR OUT C-1013

Ref 23.3 dBm Atten 35 dB

Samp  
Log  
10  
dB/  
Offst  
1.4  
dB

PAvg  
100  
V1 S2  
S3 FC  
AA



Center 824.7 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

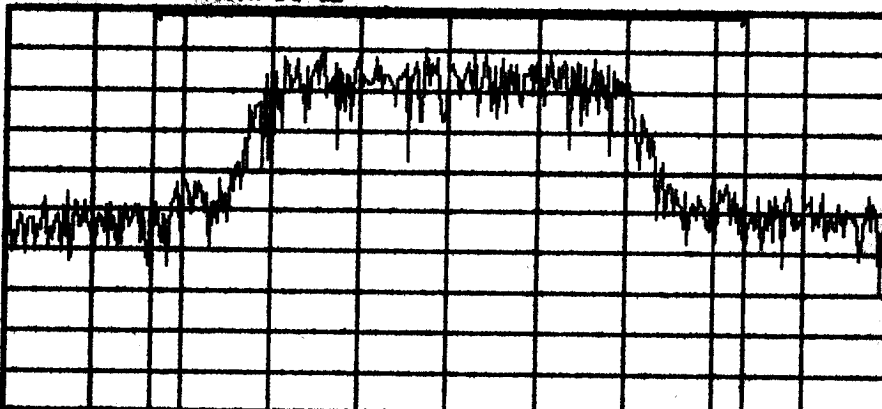
More  
1 of 2

hp 06:11:17 Apr 28, 2000

FCC ID:A3LSCH850 PWR OUT C-1013

Ref 23.3 dBm Atten 35 dB

Samp  
Log  
10  
dB/  
Offst  
1.4  
dB



Center 824.7 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

23.01 dBm

Integration BW 2.000 MHz

Density -40.00 dBm/Hz

06:13:54 Apr 28, 2000

FCC ID:A3LSCH850 BAND EDGE C-1013

Ref 23.3 dBm Atten 35 dB

Samp

Log

10

dB/

Offst

1.4

dB

DI

-13.0

dBm

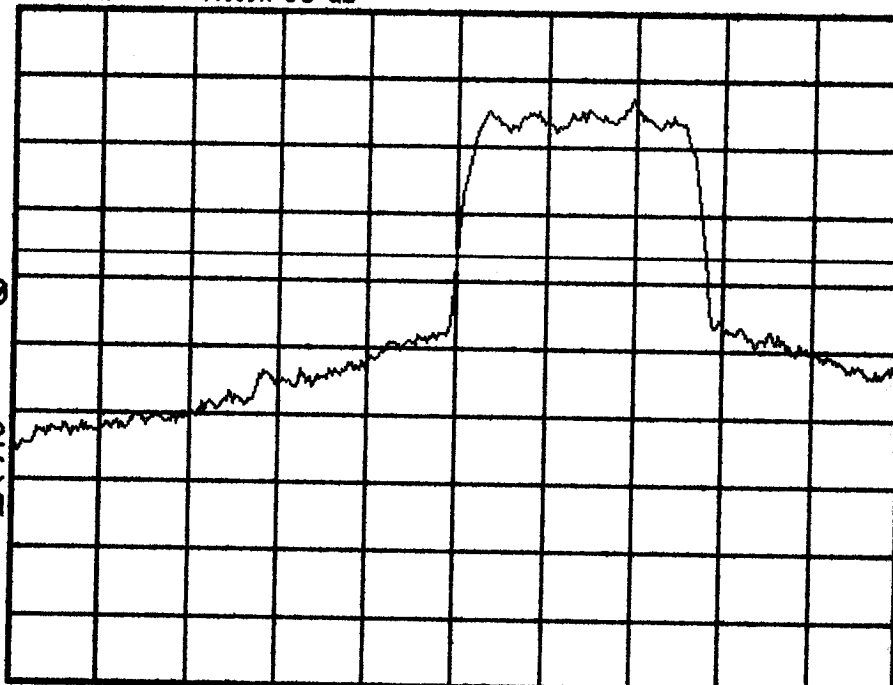
PAvg

93

W1 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

06:16:29 Apr 28, 2000

FCC ID:A3LSCH850 BAND EDGE C-0777

Ref 23.3 dBm Atten 35 dB

Samp

Log

10

dB/

Offst

1.4

dB

DI

-13.0

dBm

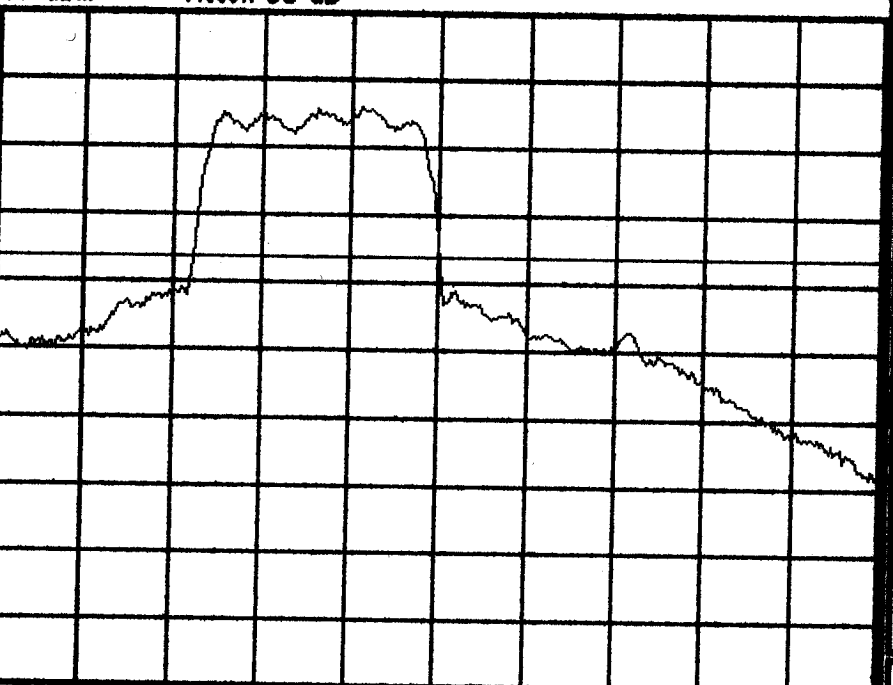
PAvg

100

S1 W2

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 05:34:17 Apr 28, 2000

FCC ID:A3LSCH850 CON SPURS C-1013

Mkr1 1.651 GHz

Ref 23.3 dBm

Atten 35 dB

-29.59 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

Trace

Trace

1

2

3

Clear Write

Max Hold

Min Hold

View

Blank

More

1 of 2

hp 05:35:11 Apr 28, 2000

FCC ID:A3LSCH850 CON SPURS C-1013

Mkr1 2.913 GHz

Ref 23.3 dBm

Atten 35 dB

-34.41 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

6.2500000 GHz

Start Freq

2.5000000 GHz

Stop Freq

10.0000000 GHz

CF Step

750.000000 MHz

Auto

Man

Freq Offset

0.0000000 Hz

Signal Track

On

Off

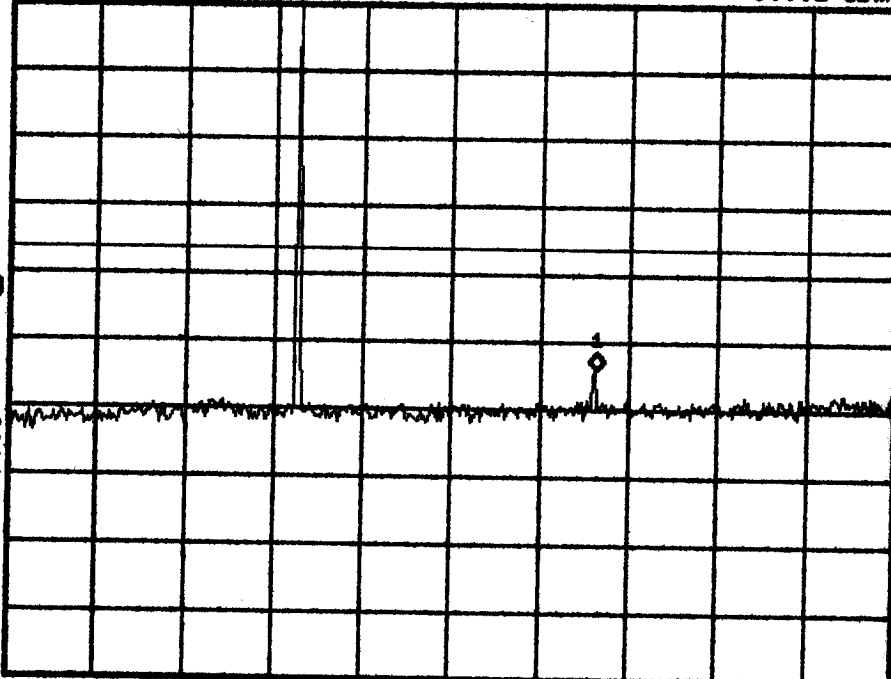
05:30:15 Apr 28, 2000

FCC ID:A3LSCH850 CON SPURS C-0363  
Ref 23.3 dBm Atten 35 dB

Mkr1 1.663 GHz  
-30.62 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

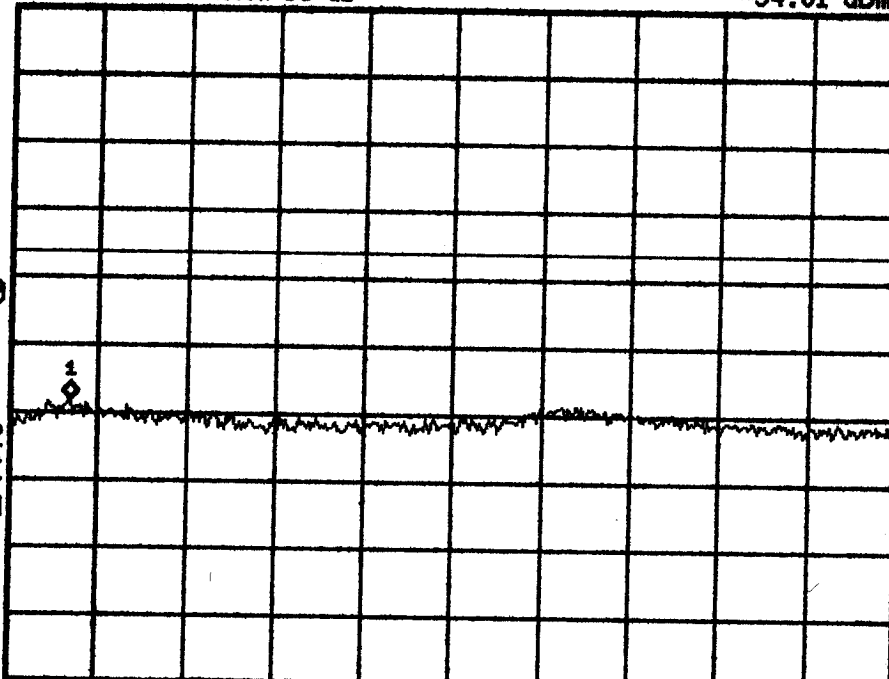
05:32:10 Apr 28, 2000

FCC ID:A3LSCH850 CON SPURS C-0363  
Ref 23.3 dBm Atten 35 dB

Mkr1 3.025 GHz  
-34.81 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

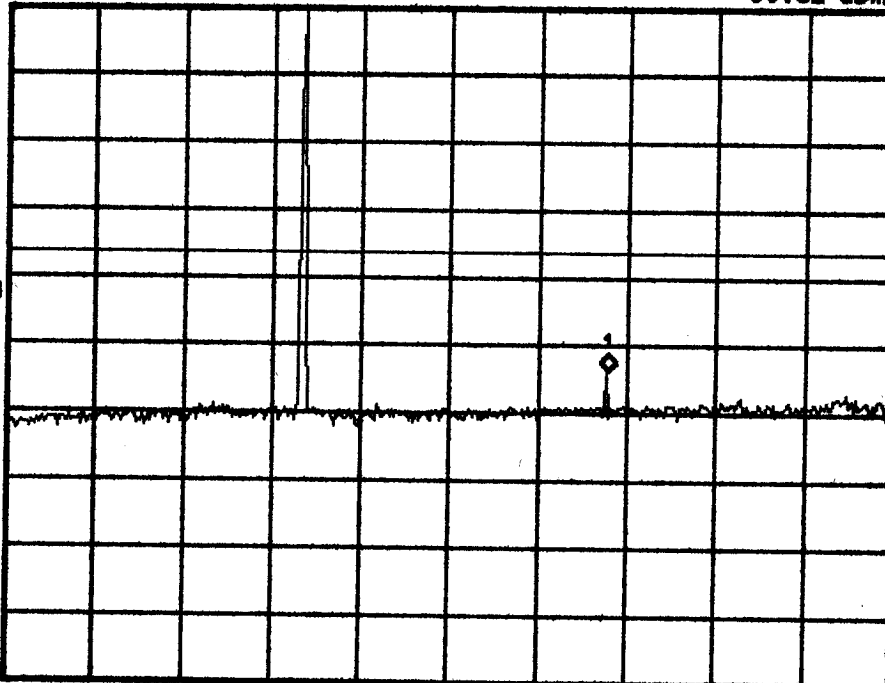
hp 05:36:47 Apr 28, 2000

FCC ID:A3LSCH850 CON SPURS C-0777  
Ref 23.3 dBm Atten 35 dB

Mkr1 1.700 GHz  
-30.52 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

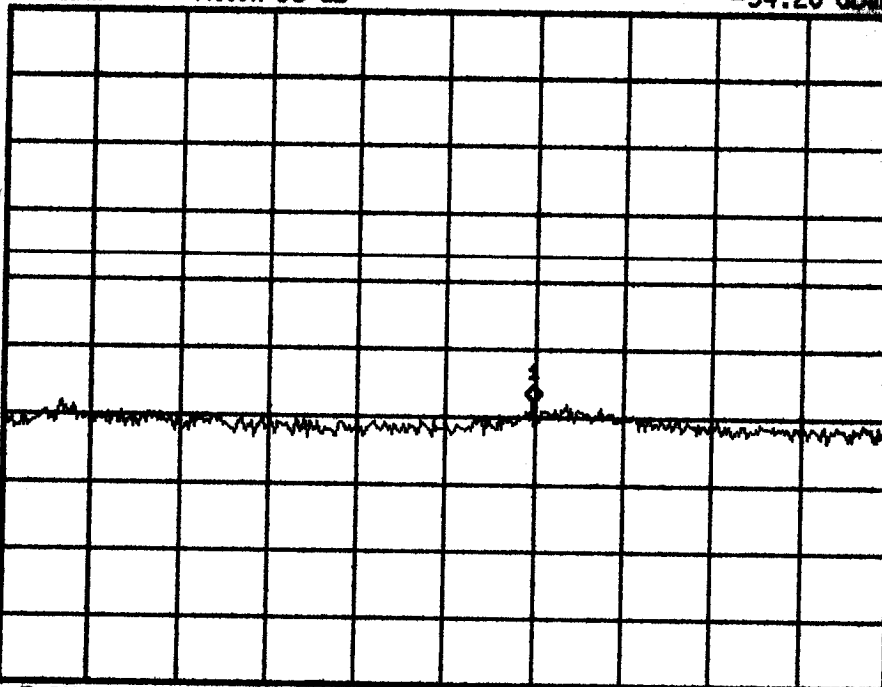
hp 05:38:11 Apr 28, 2000

FCC ID:A3LSCH850 CON SPURS C-0777  
Ref 23.3 dBm Atten 35 dB

Mkr1 6.981 GHz  
-34.28 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  
10.00000000 GHz

CF Stop  
750.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

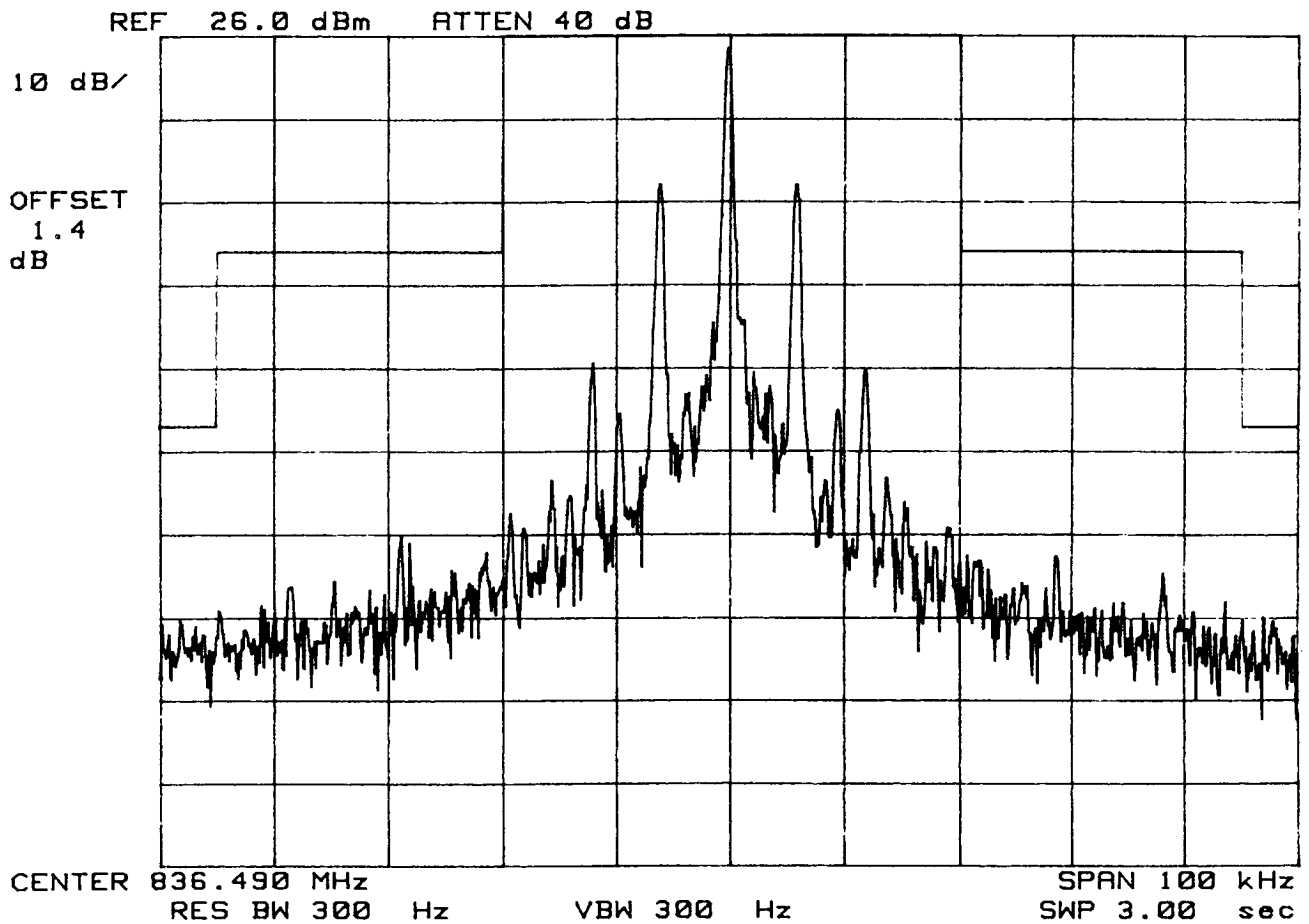
Signal Track  
On Off

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH850  
SAMSUNG 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:A3LSCH850

SAMSUNG DUAL MODE PHONE

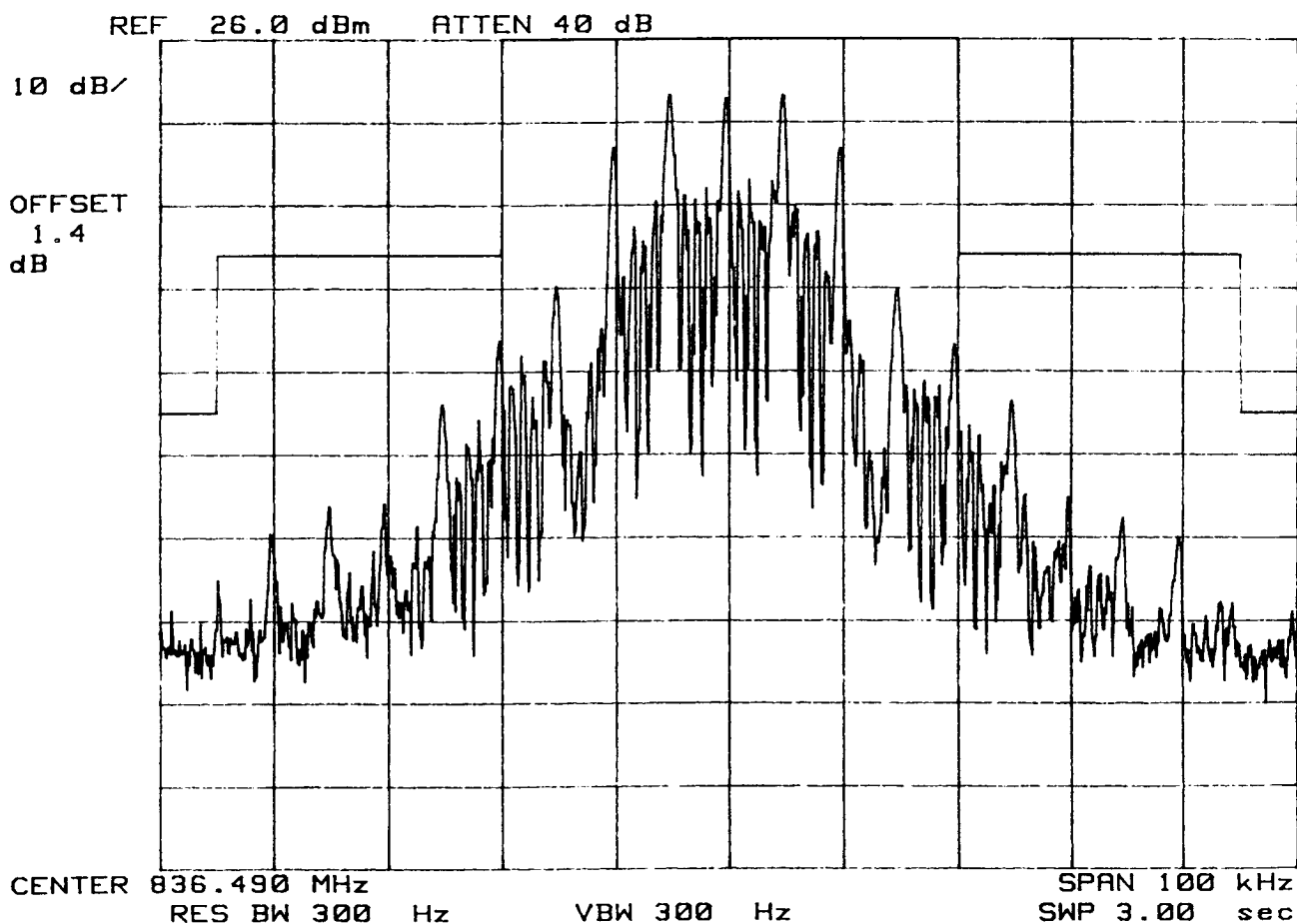
FM MODE

CHAN 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Wide Band Data



# PCTEST Engineering Lab., Inc.

**SUBJECT:** Modulation Characteristics  
FCC Part 22

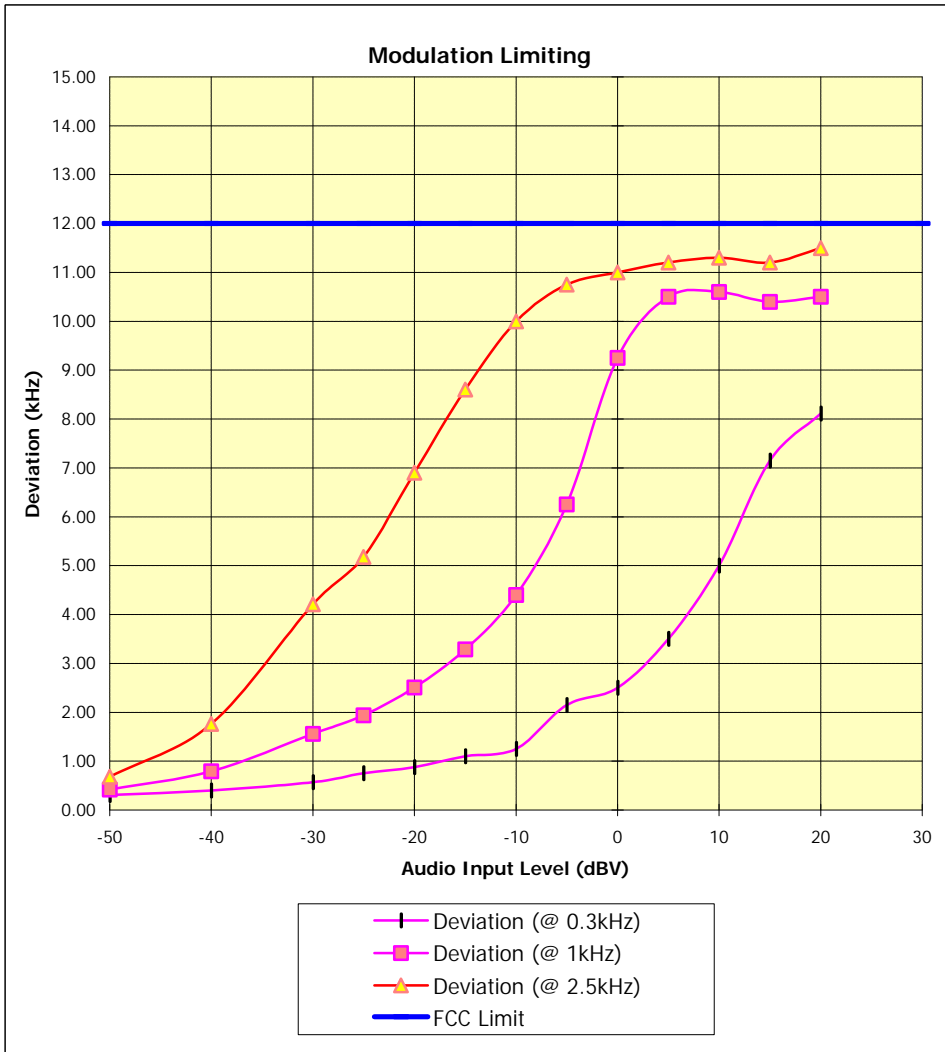
Test Report No.: 22.200714348.A3L  
Test Date: 04.17.2000

**EUT:** SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)

**Model:** SCH-855

**FCC ID:** A3LSCH855

**MODE:** Audio 1V = 0dB @ 2.5 kHz



# PCTEST Engineering Lab., Inc.

**SUBJECT:** Modulation Characteristics  
FCC Part 22

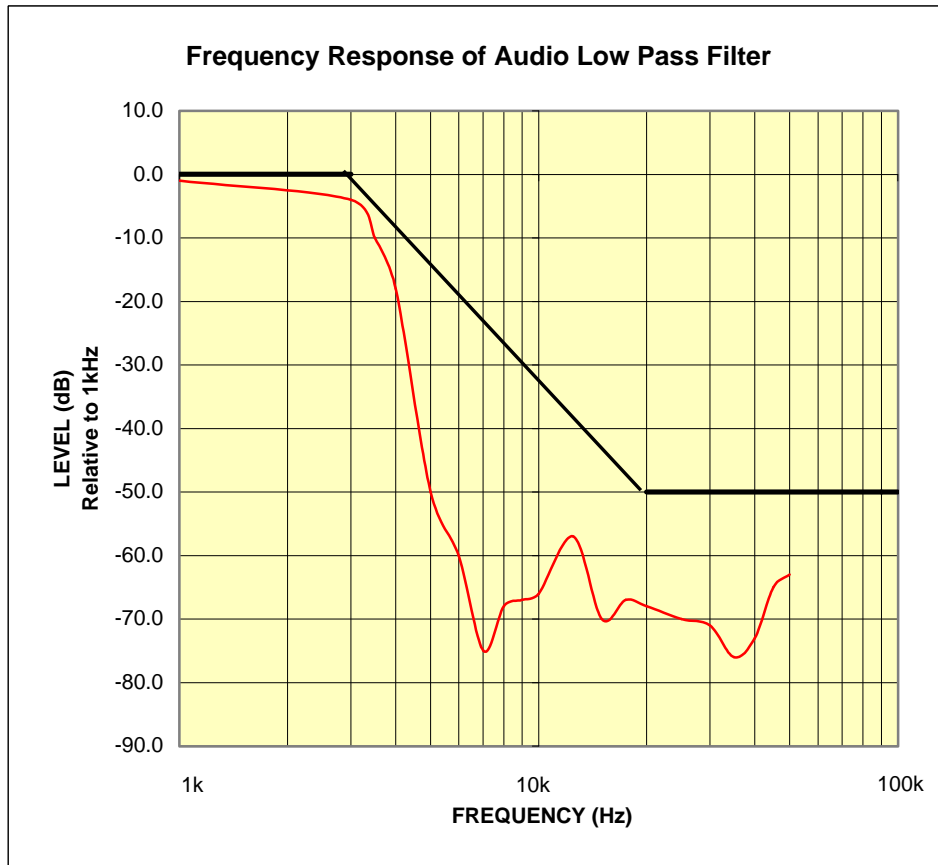
Test Report No.: 22.200714348.A3L  
Test Date: 04.17.2000

**EUT:** SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)

**Model:** SCH-855

**FCC ID:** A3LSCH855

**REFERENCE:** 1 kHz = 0 dB



**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.200714348.A3L  
Test Date: 04.17.2000

**EUT:** SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)

**Model:** SCH-855

**FCC ID:** A3LSCH855

**REFERENCE:** 1 kHz = 0 dB

