

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

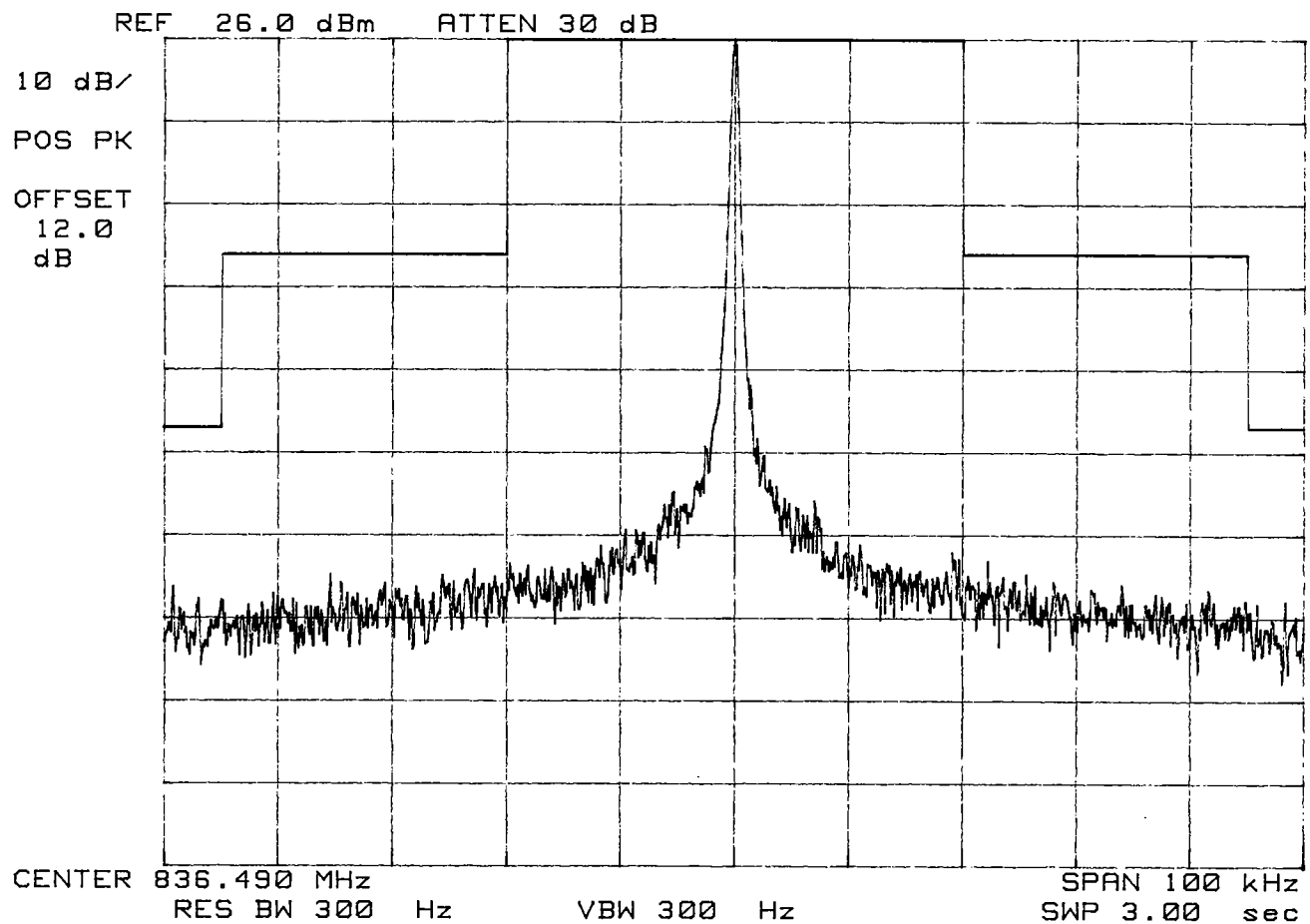
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

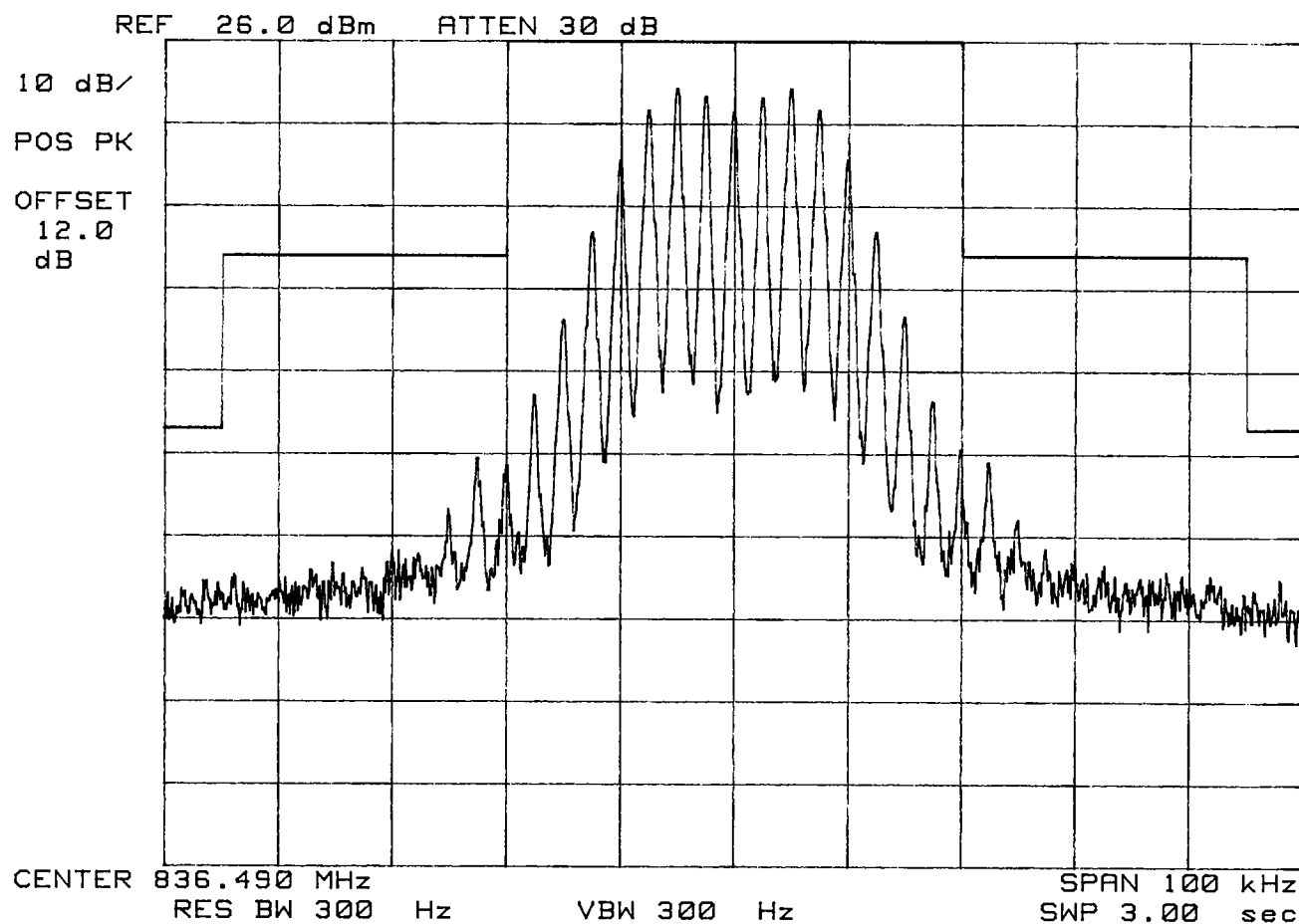
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

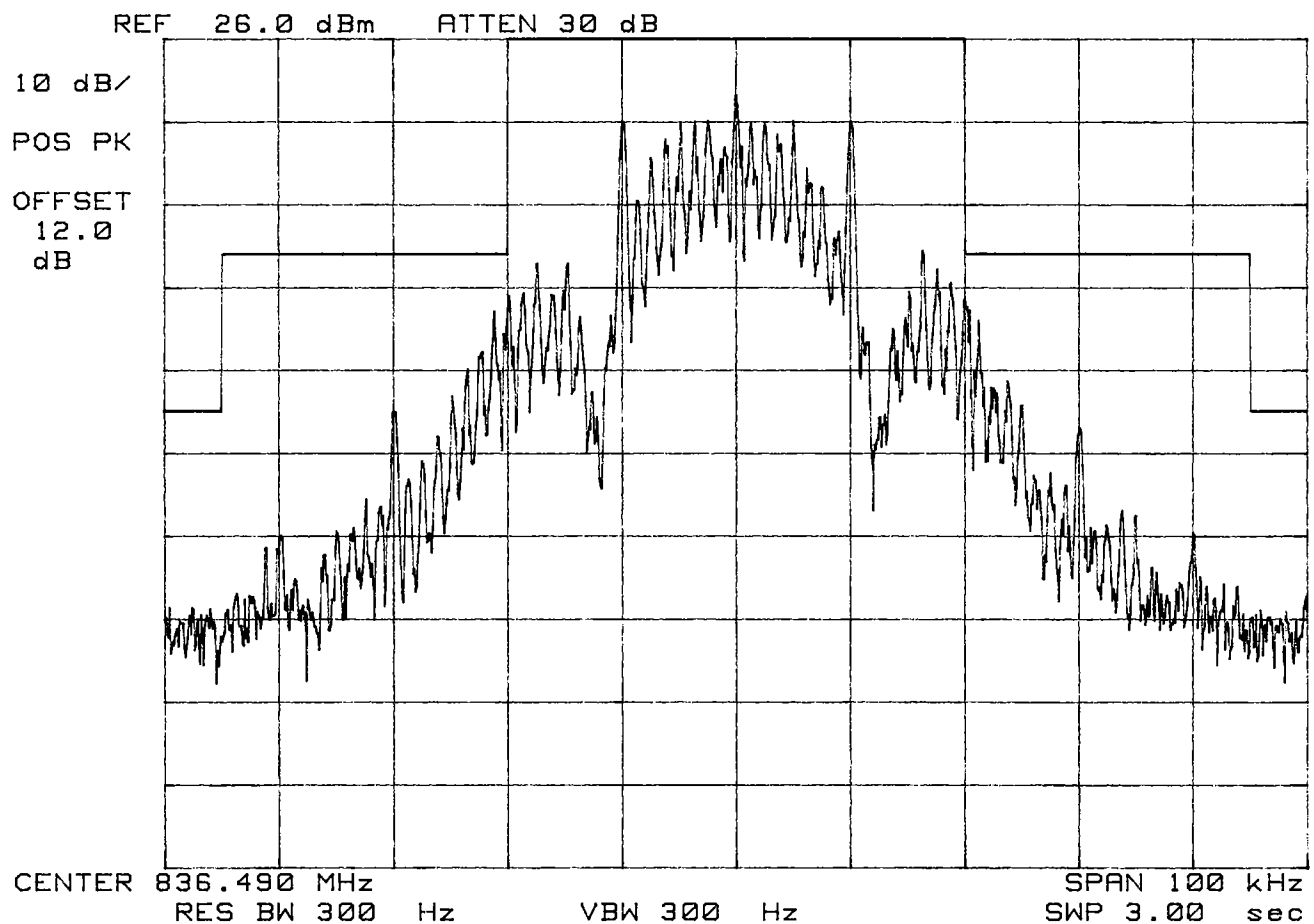
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

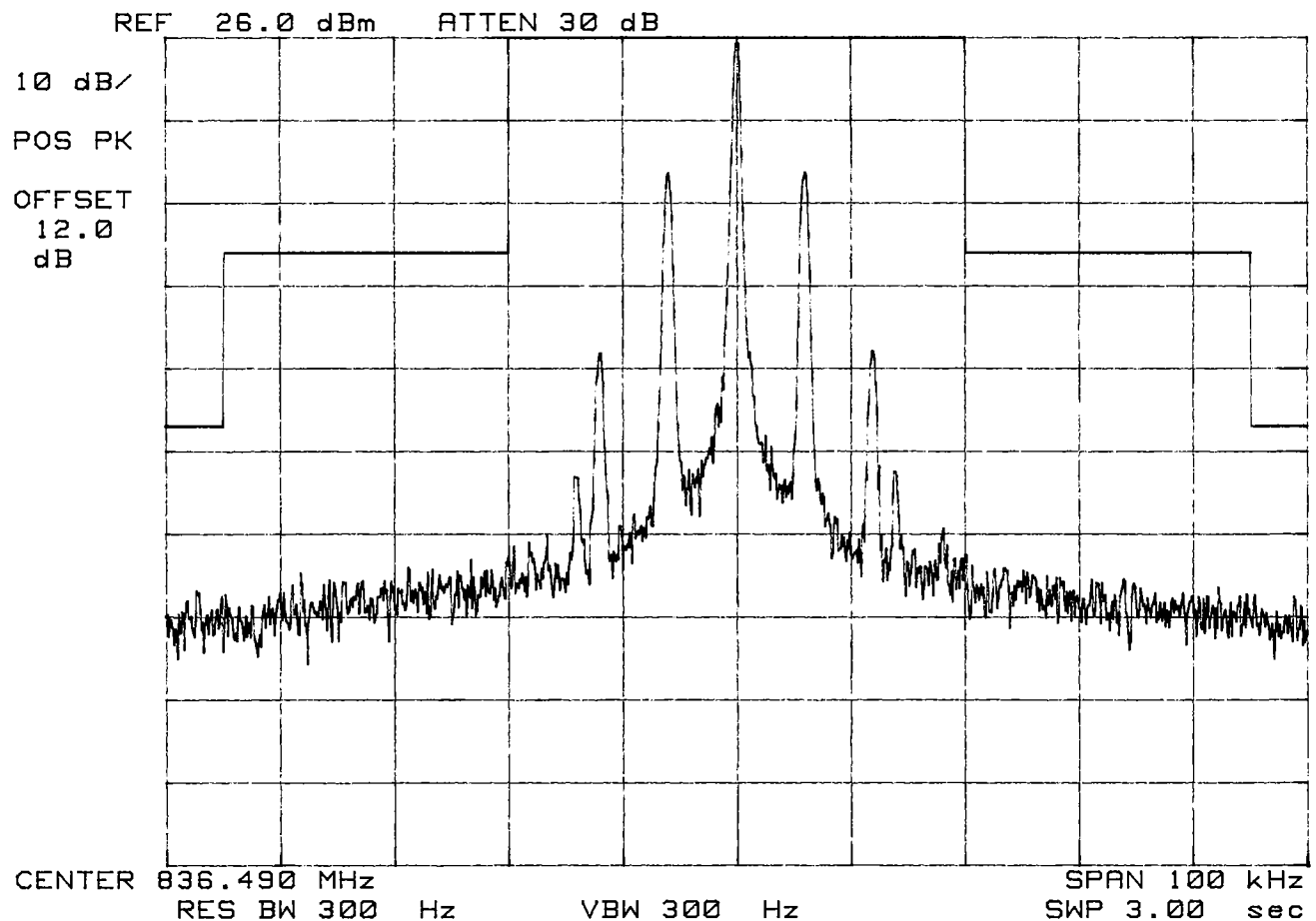
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

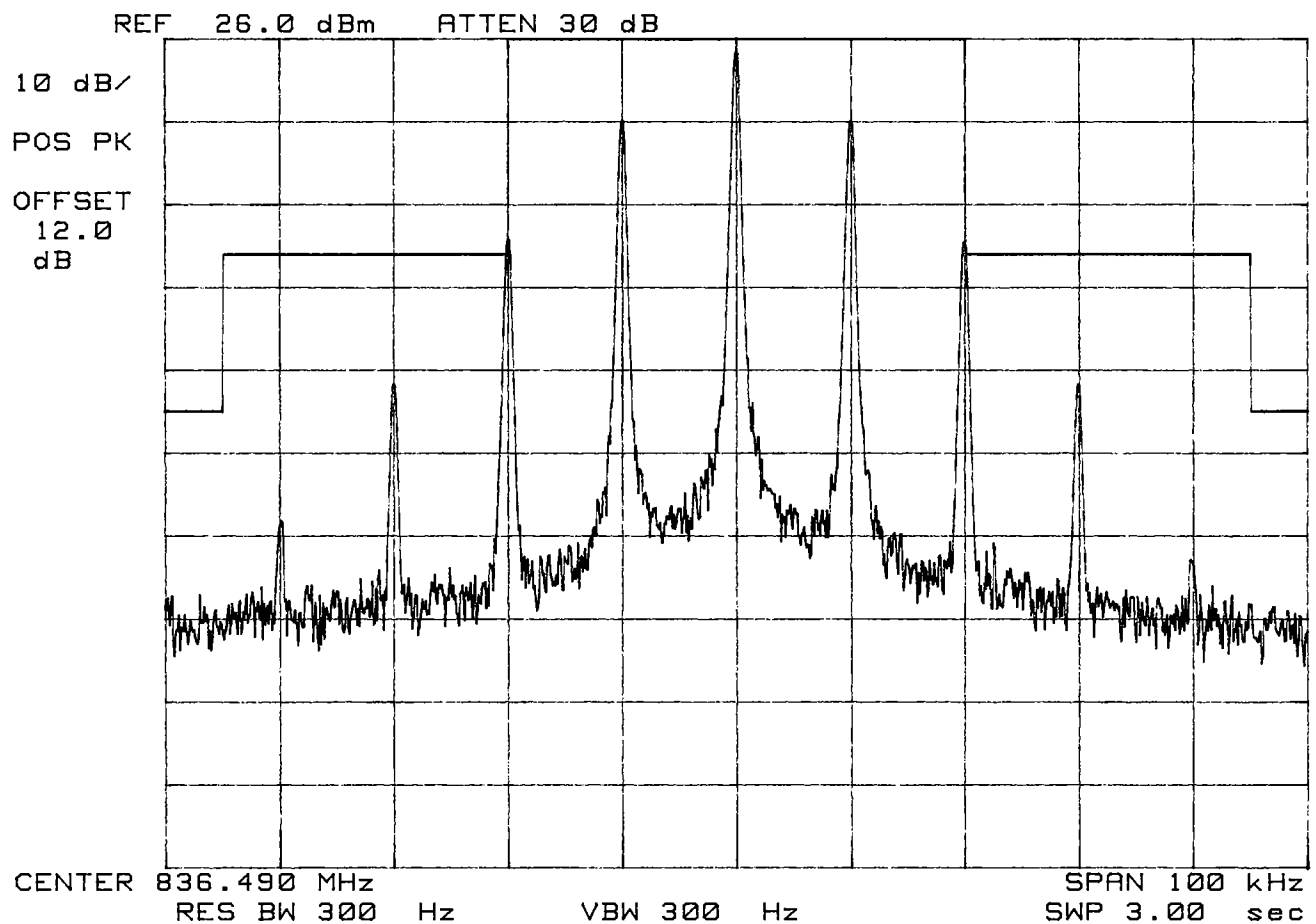
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

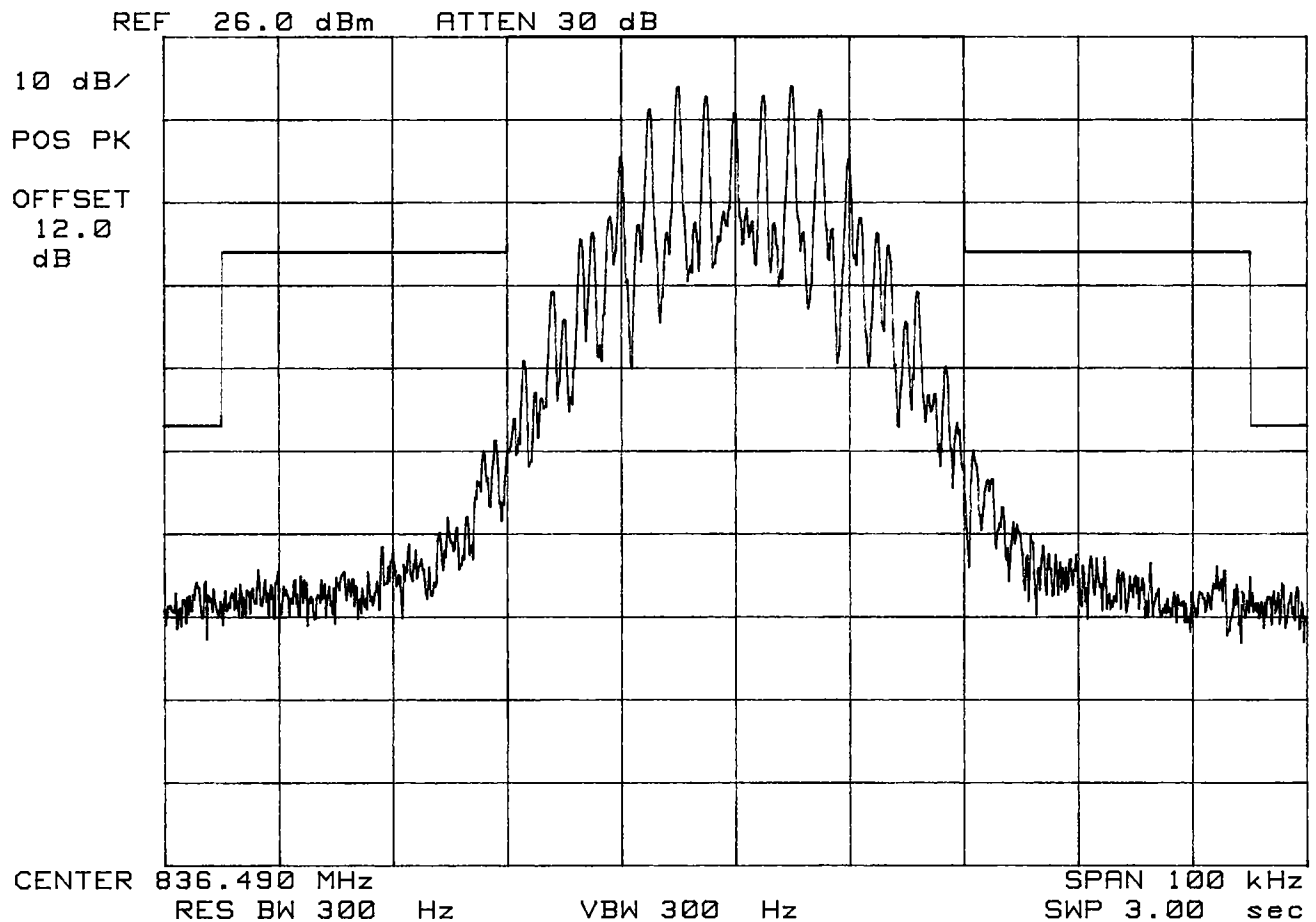
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

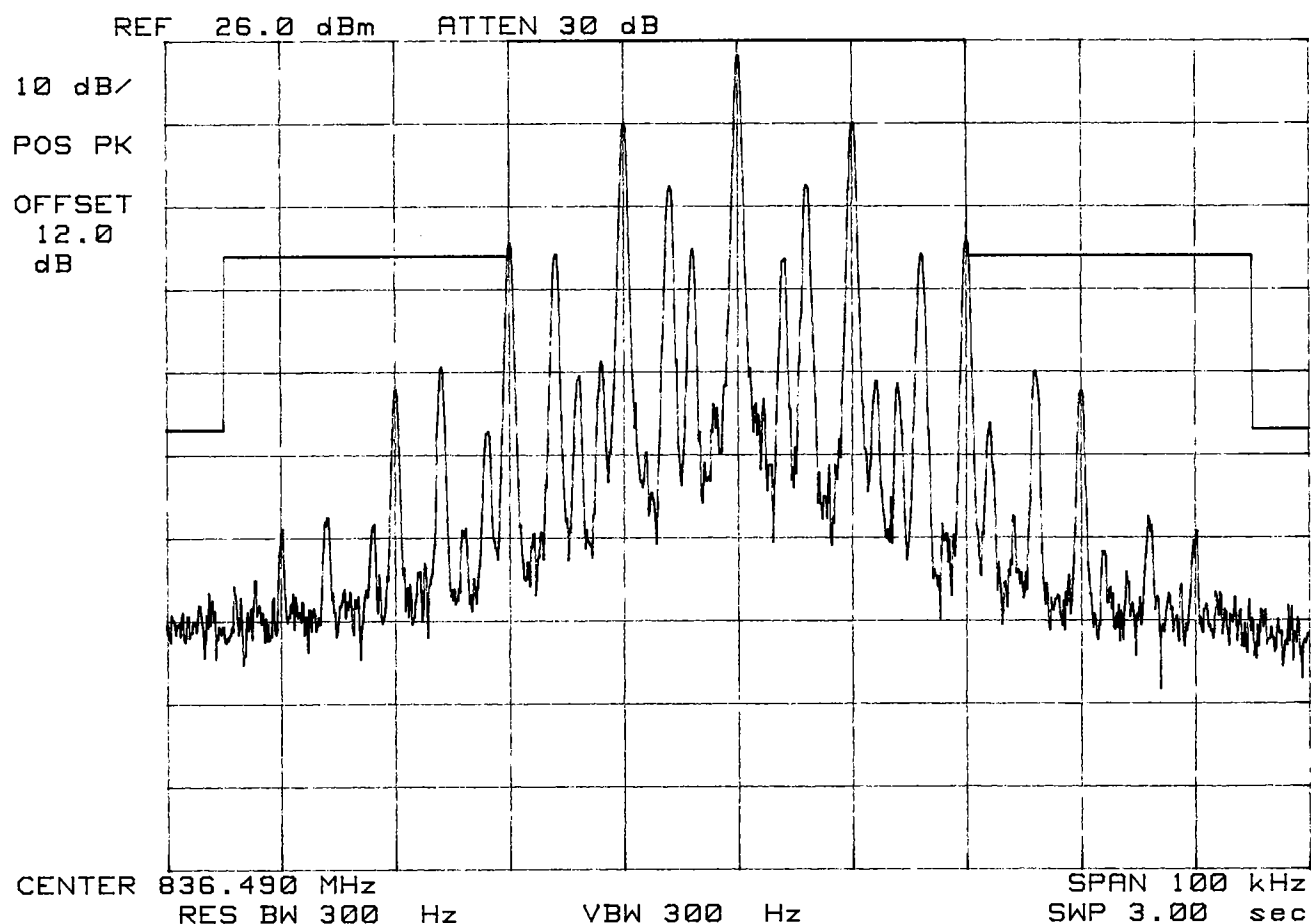
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHA325

SAMSUNG

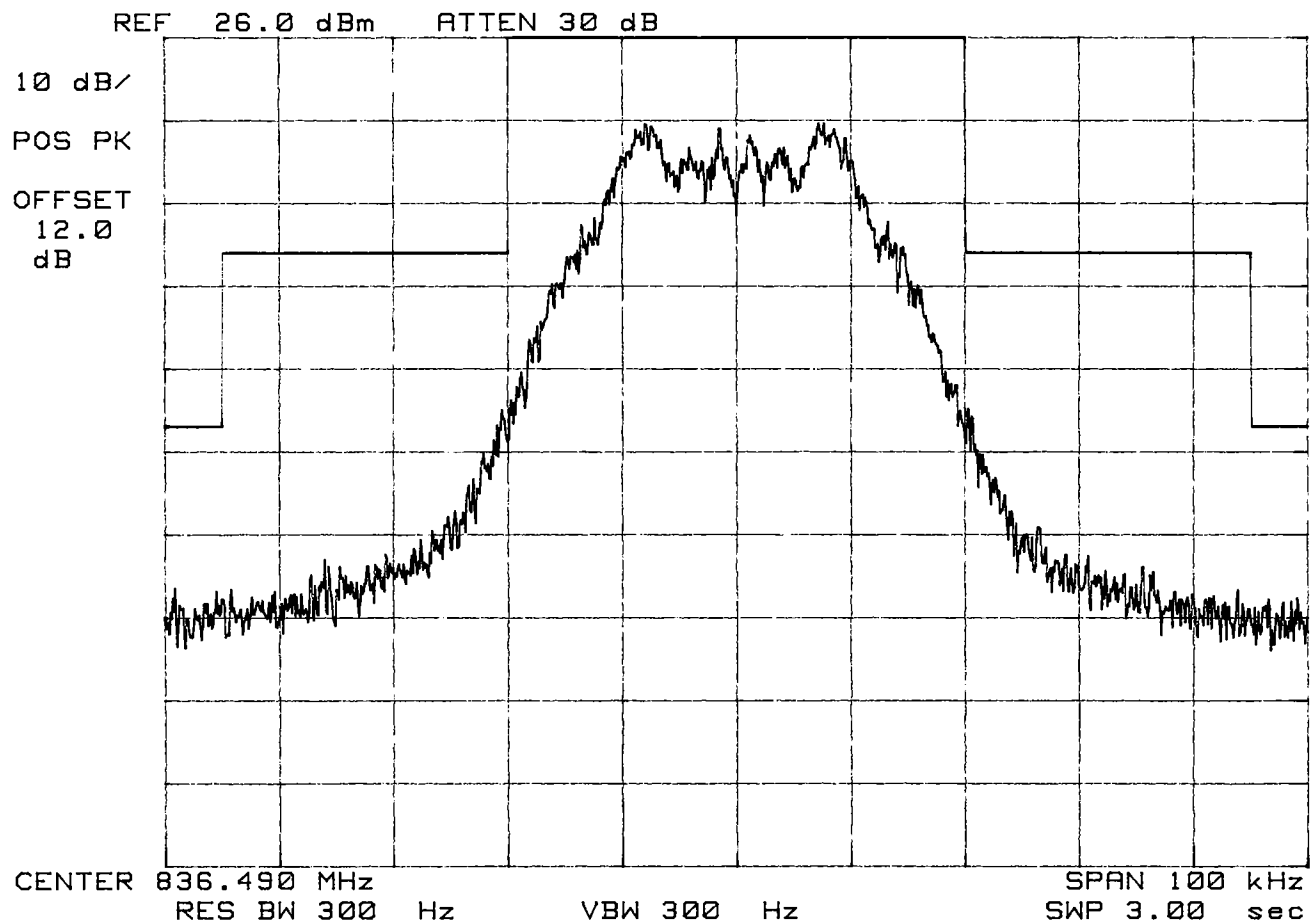
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + DTMF



FCC ID: A3LSTHA325

FM MODE

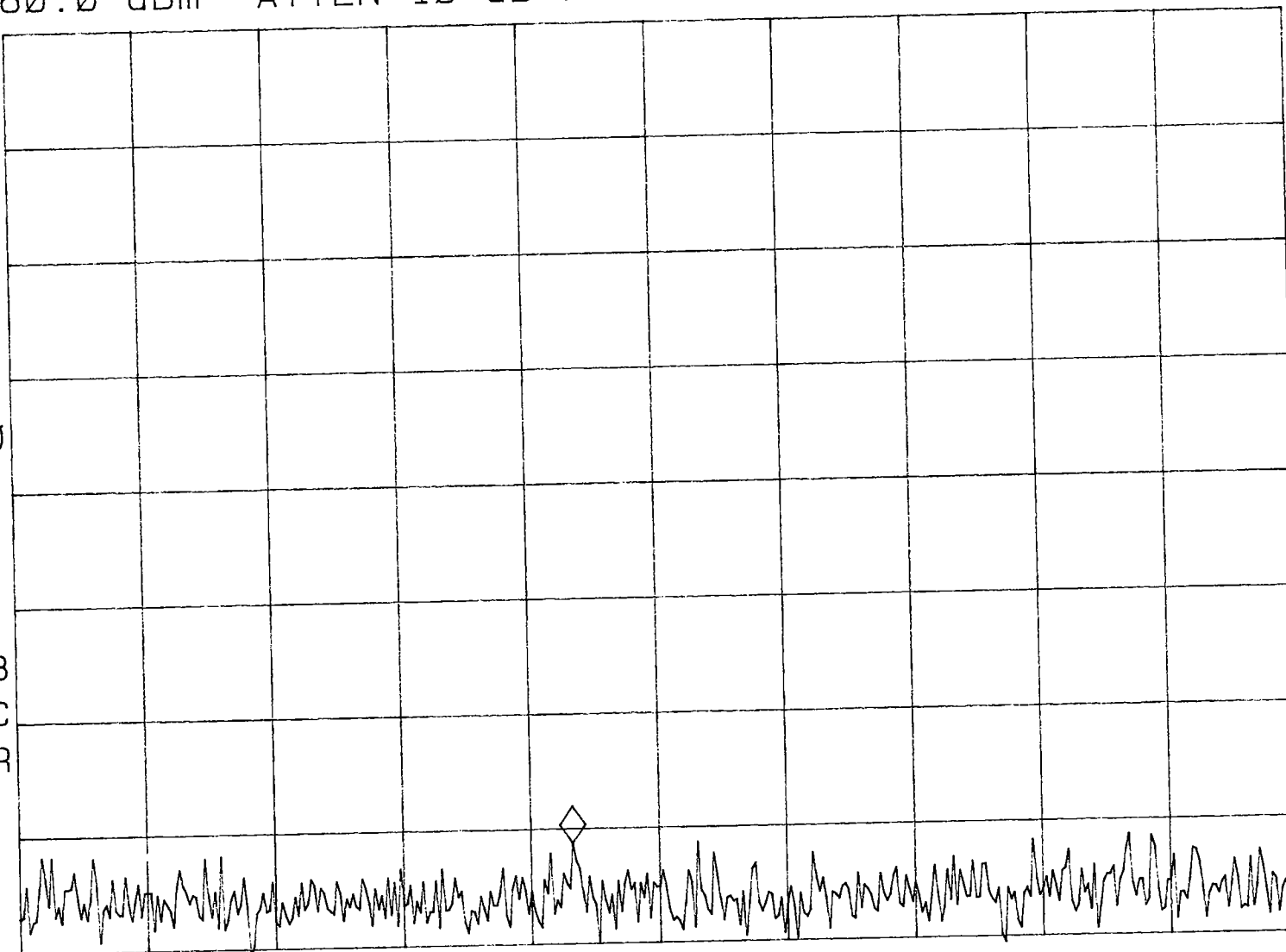
MKR 879.81 MHz

REF -60.0 dBm ATTEN 10 dB PG 25.0 dB

-95.61 dBm

PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-80.0
dBm

VA SB
SC FC
CORR



START 869.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

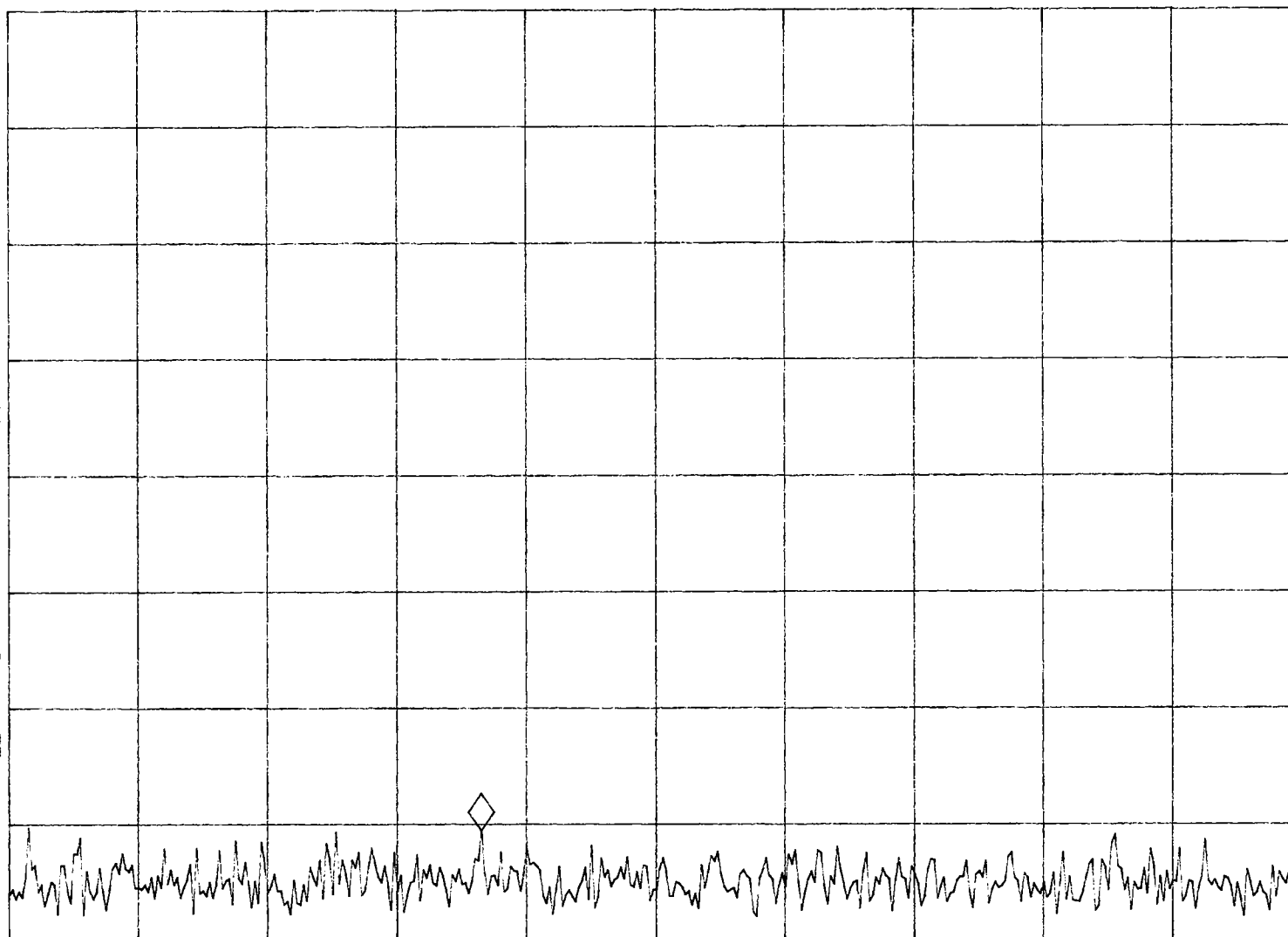
STOP 894.00 MHz

SWP 20 msec

~~h~~ FCC ID: A3LSTHA325 TDMA MODE MKR 878.12 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -95.27 dBm

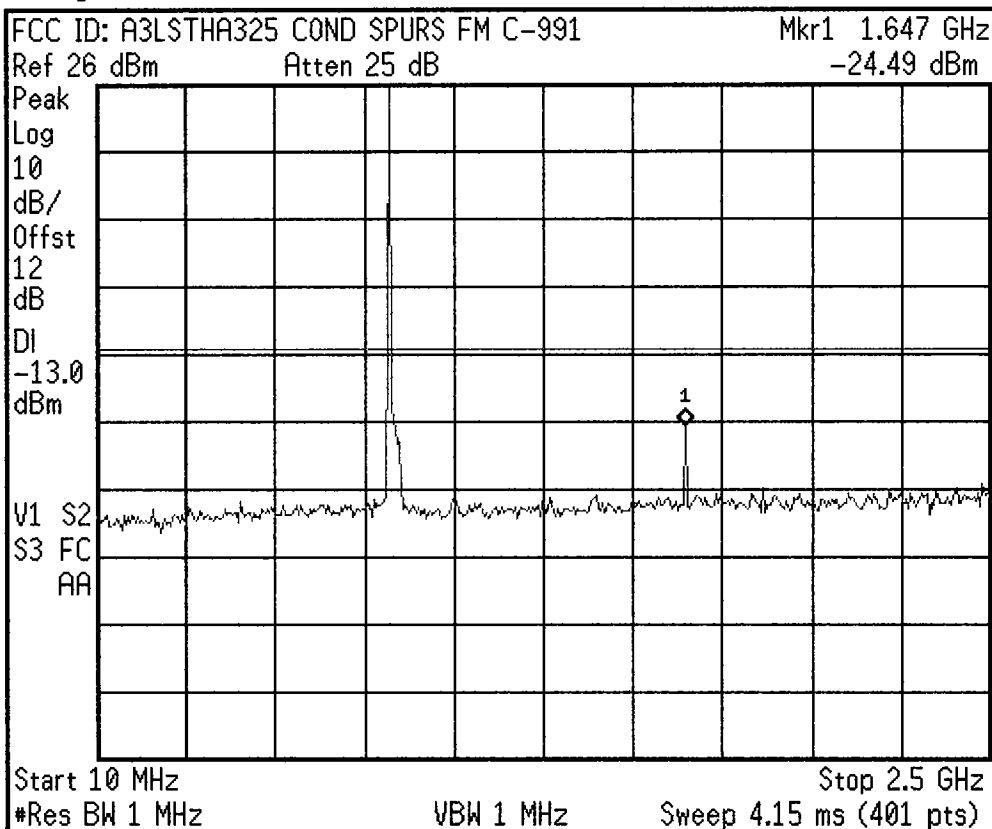
PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-80.0
dBm

VA SB
SC FC
CORR



START 869.00 MHz STOP 894.00 MHz
#RES BW 100 kHz #VBW 300 kHz SWP 20 msec

✱ Agilent 05:58:40 Jan 12, 2003



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

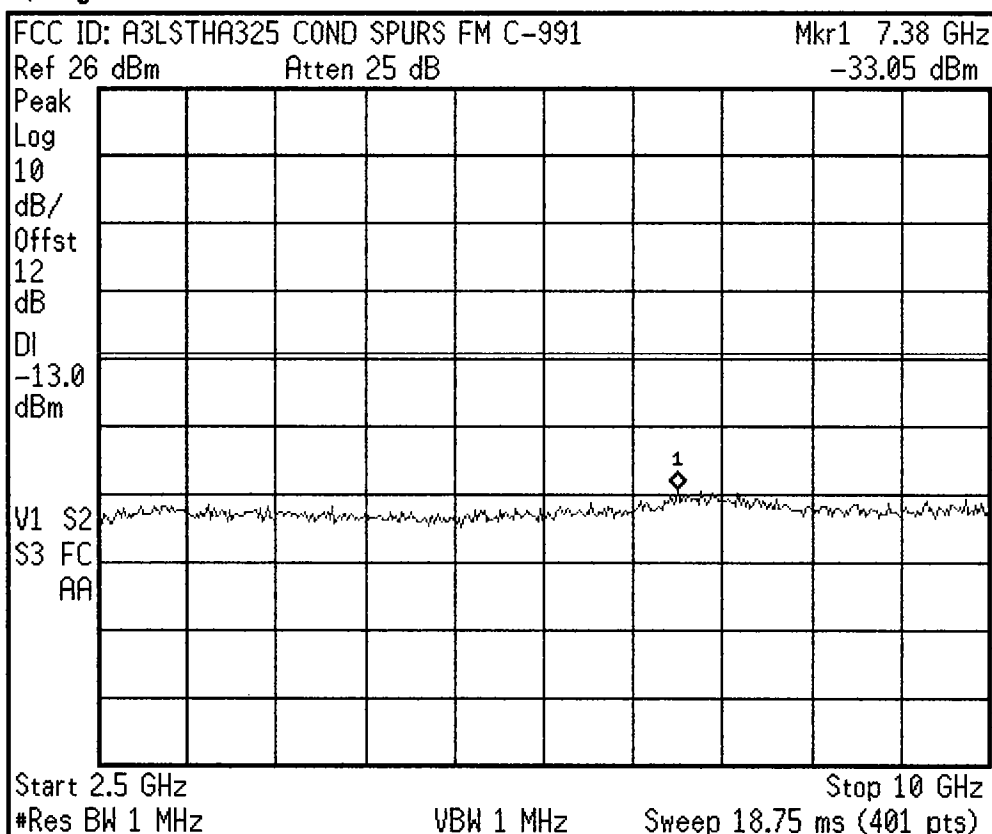
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

✱ Agilent 06:03:52 Jan 12, 2003



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

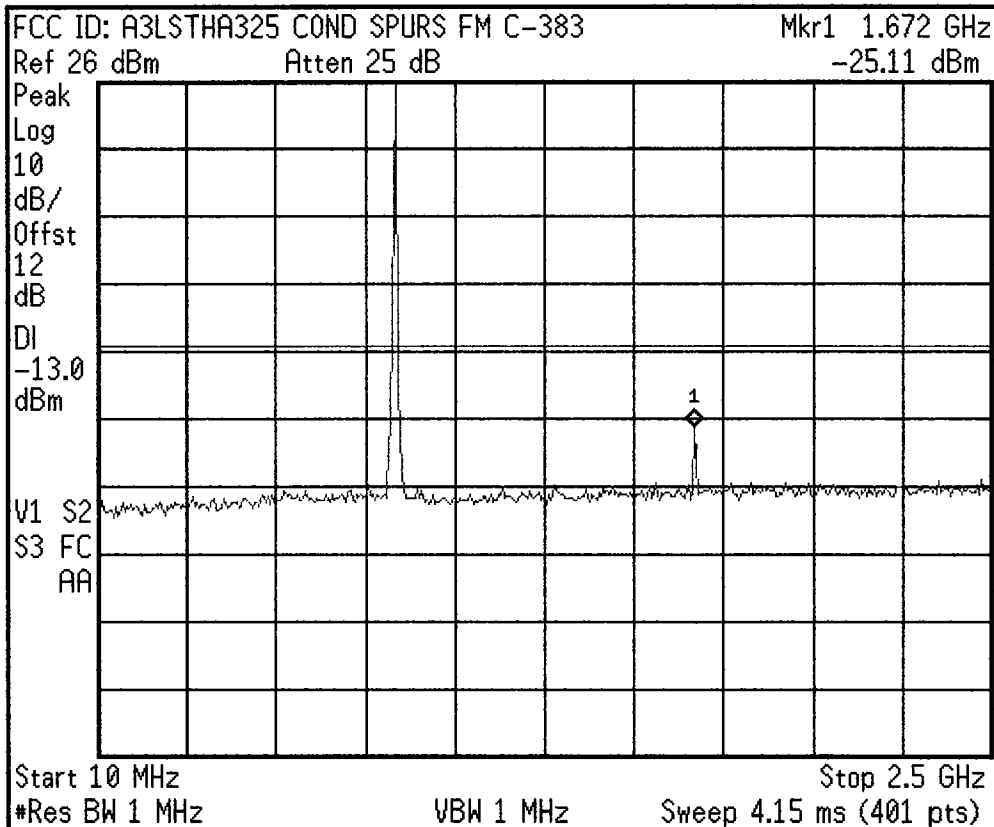
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent 06:06:13 Jan 12, 2003

L



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

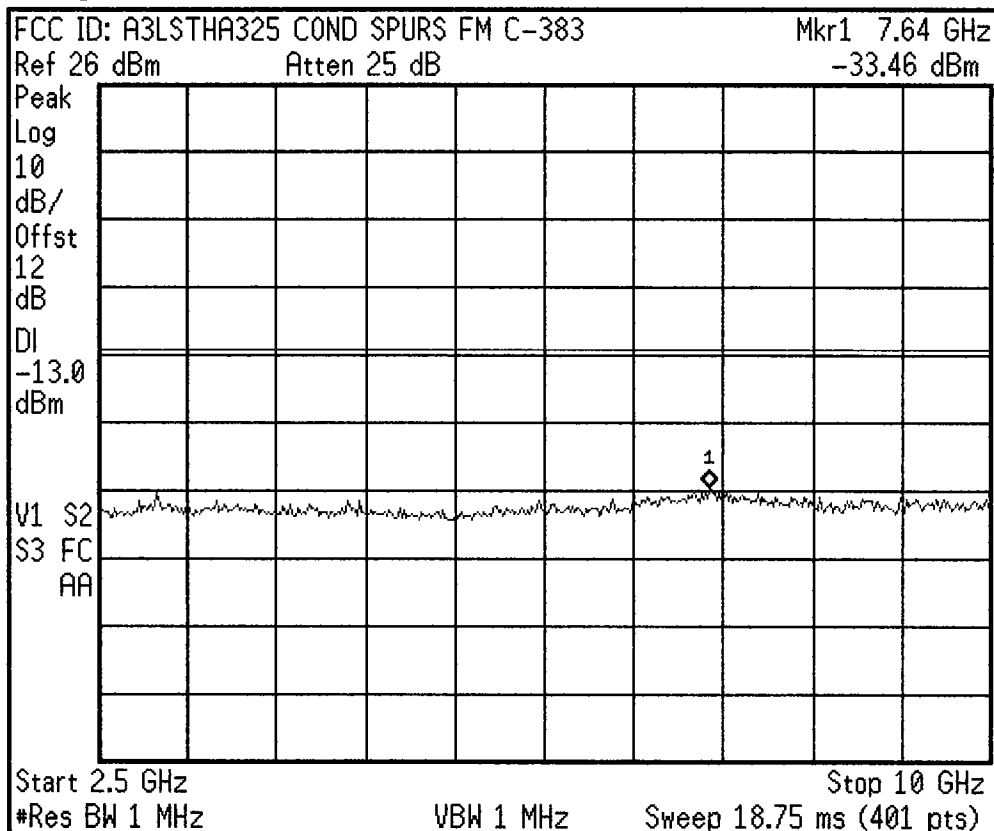
Scale Type

Log

Lin

Agilent 06:07:00 Jan 12, 2003

L



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

Scale Type

Log

Lin

✱ Agilent 06:18:52 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS FM C-799

Mkr1 1.697 GHz

Ref 26 dBm

Atten 25 dB

-17.95 dBm

Peak

Log

10

dB/

Offst

12

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 4.15 ms (401 pts)

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

Scale Type

Log

Lin

✱ Agilent 06:20:20 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS FM C-799

Mkr1 7.60 GHz

Ref 26 dBm

Atten 25 dB

-33.24 dBm

Peak

Log

10

dB/

Offst

12

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 (401 pts)

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

Scale Type

Log

Lin

* Agilent 06:33:33 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS TDMA C-991

Mkr1 1.647 GHz

Ref 26 dBm

Atten 25 dB

-23.58 dBm

Peak

Log

10

dB/

Offst

12

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 4.15 ms (401 pts)

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

Scale Type

Log

Lin

* Agilent 06:35:25 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS TDMA C-991

Mkr1 7.53 GHz

Ref 26 dBm

Atten 25 dB

-33.33 dBm

Peak

Log

10

dB/

Offst

12

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 (401 pts)

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

Scale Type

Log

Lin

✱ Agilent 06:27:33 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS TDMA C-383

Mkr1 1.672 GHz

Ref 26 dBm

Atten 25 dB

-25.2 dBm

Peak

Log

10

dB/

Offst

12

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 MHz

Stop 2.5 GHz

Sweep 4.15 ms (401 pts)

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

Scale Type

Log

Lin

✱ Agilent 06:30:29 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS TDMA C-383

Mkr1 7.64 GHz

Ref 26 dBm

Atten 25 dB

-33.24 dBm

Peak

Log

10

dB/

Offst

12

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 (401 pts)

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

Scale Type

Log

Lin

✱ Agilent 06:25:01 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS TDMA C-799

Mkr1 1.697 GHz

Ref 26 dBm

Atten 25 dB

-18.25 dBm

Peak

Log

10

dB/

Offst

12

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 10 MHz

*Res BW 1 MHz

VBW 1 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

Scale Type

Log

Lin

✱ Agilent 06:26:11 Jan 12, 2003

L

FCC ID: A3LSTHA325 COND SPURS TDMA C-799

Mkr1 7.51 GHz

Ref 26 dBm

Atten 25 dB

-33.4 dBm

Peak

Log

10

dB/

Offst

12

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Start 2.5 GHz

*Res BW 1 MHz

VBW 1 MHz

Sweep 18.75 ms (401 pts)

Stop 10 GHz

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

Scale Type

Log

Lin

✱ Agilent 06:51:49 Jan 12, 2003

L

FCC ID: A3LSTHA325 LOW CHANNEL C-991

Ref 26 dBm

Atten 25 dB

Peak

Log

10

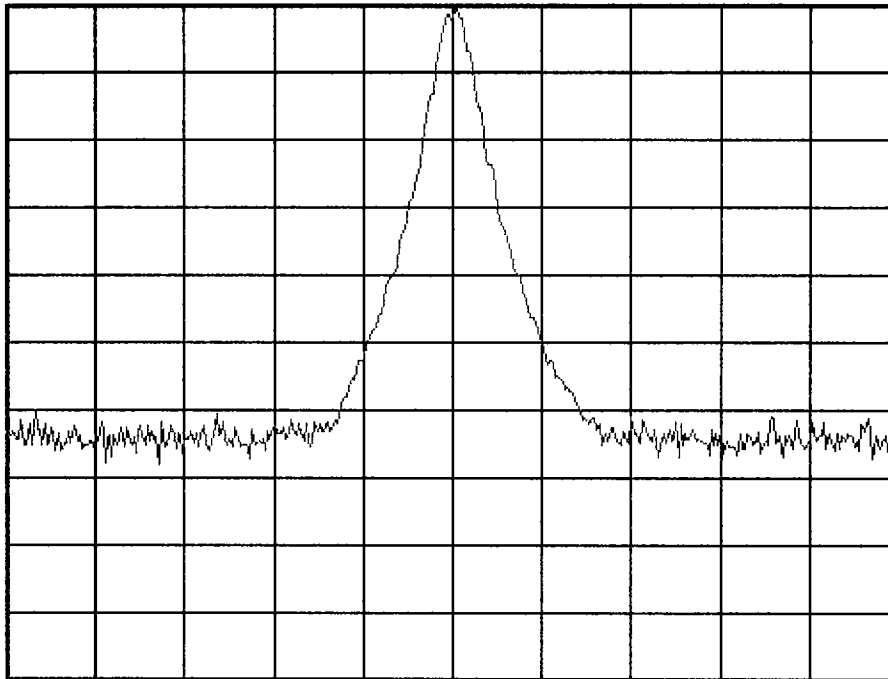
dB/

Offst

12

dB

V1 S2
S3 FC
AA



Center 824 MHz

*Res BW 100 kHz

VBW 100 kHz

Span 5 MHz
Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

824.040000 MHz

Start Freq

821.540000 MHz

Stop Freq

826.540000 MHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

✱ Agilent 06:56:26 Jan 12, 2003

L

FCC ID: A3LSTHA325 MID CHANNEL C-383

Ref 26 dBm

Atten 25 dB

Peak

Log

10

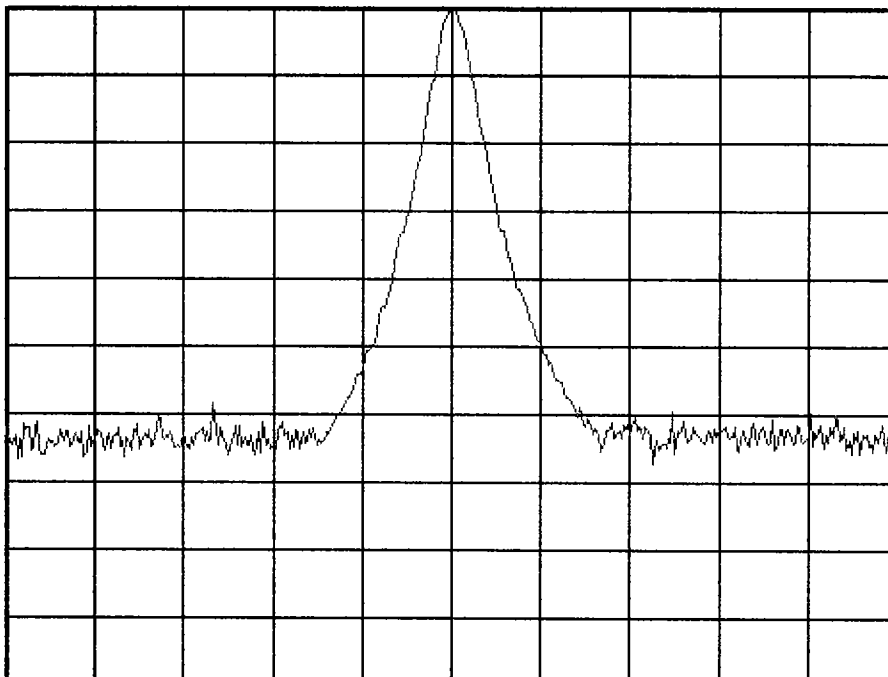
dB/

Offst

12

dB

V1 S2
S3 FC
AA



Center 836.5 MHz

*Res BW 100 kHz

VBW 100 kHz

Span 5 MHz
Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

836.490000 MHz

Start Freq

833.990000 MHz

Stop Freq

838.990000 MHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

✱ Agilent 06:57:27 Jan 12, 2003

L

FCC ID: A3LSTHA325 MID CHANNEL C-383

Ref 26 dBm

Atten 25 dB

Peak

Log

10

dB/

Offst

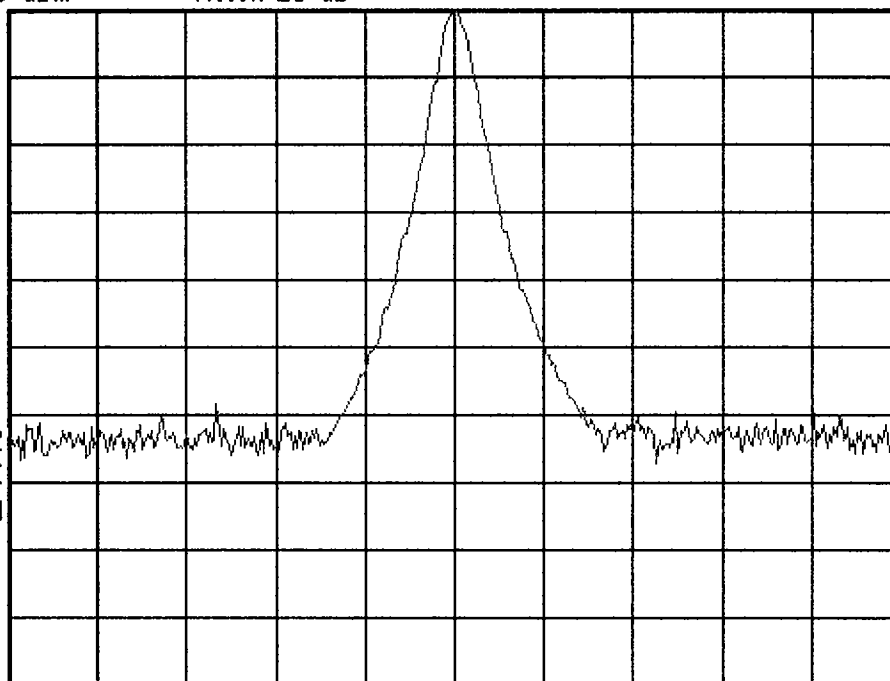
12

dB

V1 S2

S3 FC

AA



Center 836.5 MHz

Span 5 MHz

*Res BW 100 kHz

VBW 100 kHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

836.490000 MHz

Start Freq

833.990000 MHz

Stop Freq

838.990000 MHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

✱ Agilent 07:00:12 Jan 12, 2003

L

FCC ID: A3LSTHA325 HIGH CHANNEL C-799

Ref 26 dBm

Atten 25 dB

Peak

Log

10

dB/

Offst

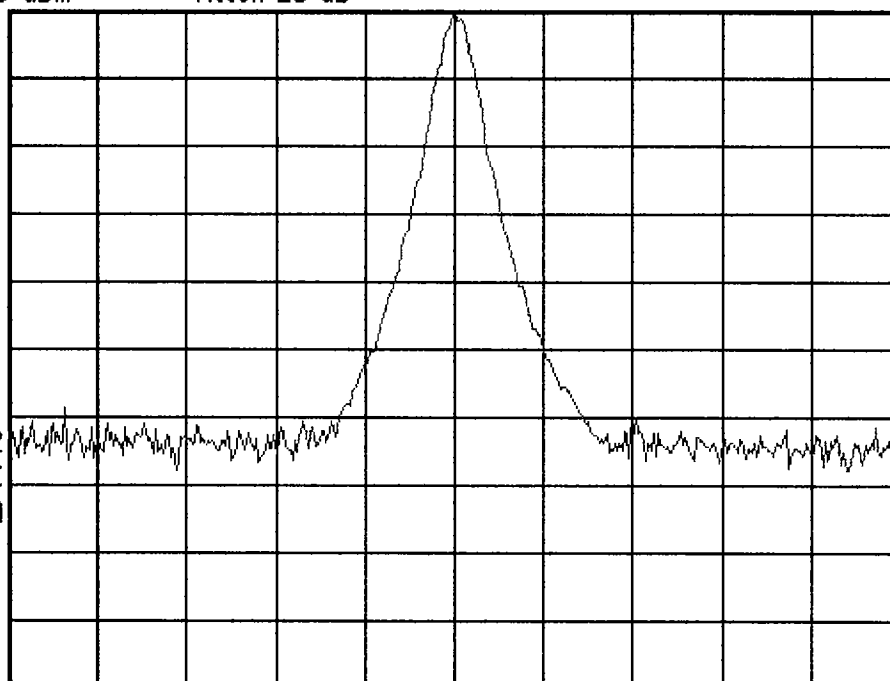
12

dB

V1 S2

S3 FC

AA



Center 849 MHz

Span 5 MHz

*Res BW 100 kHz

VBW 100 kHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

848.970000 MHz

Start Freq

846.470000 MHz

Stop Freq

851.470000 MHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

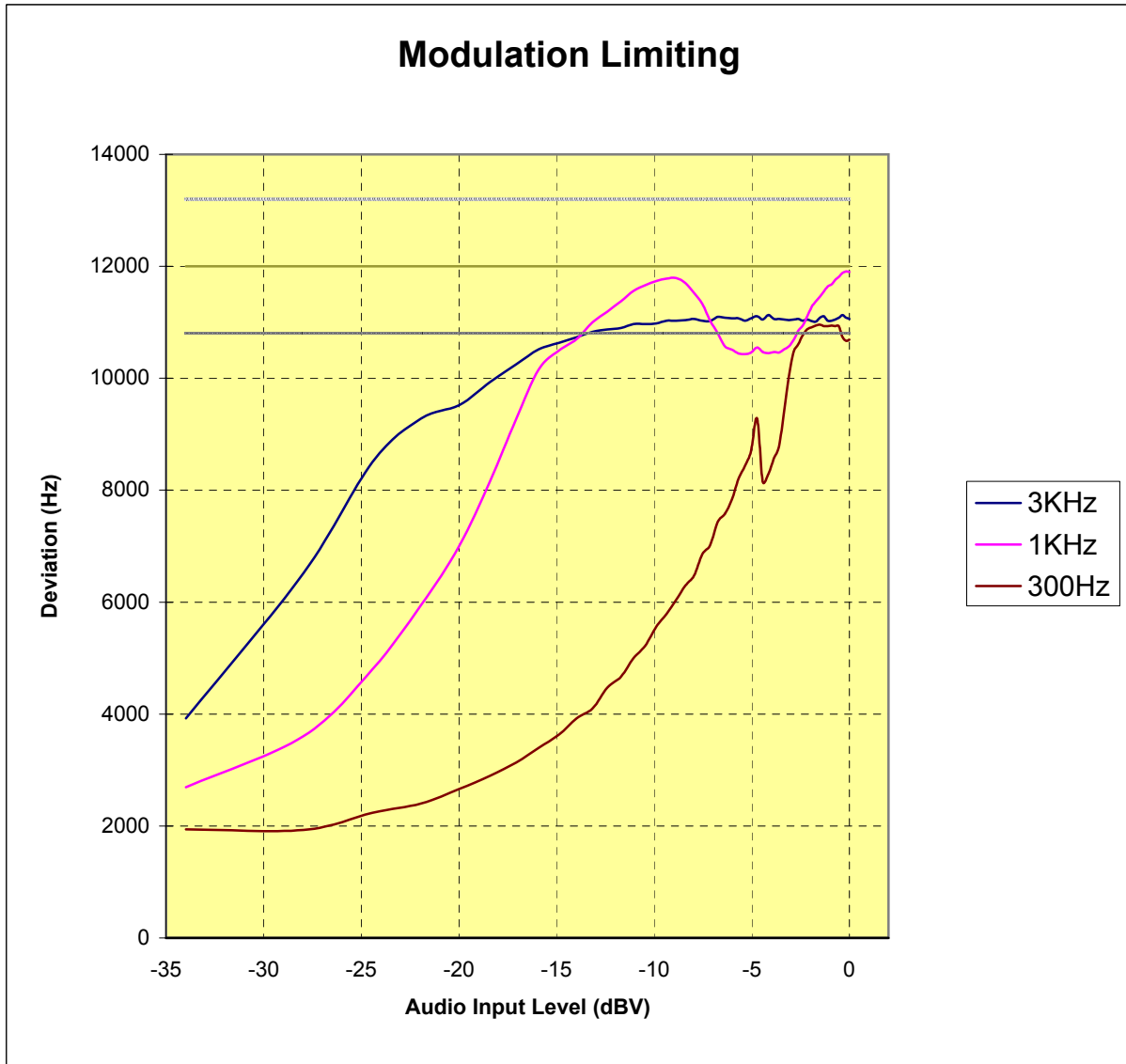
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.230117026.A3L
Test Date: 01.27.2003

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)
Model: STH-A325
FCC ID: A3LSTHA325

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)
FCC ID: A3LSTHA325

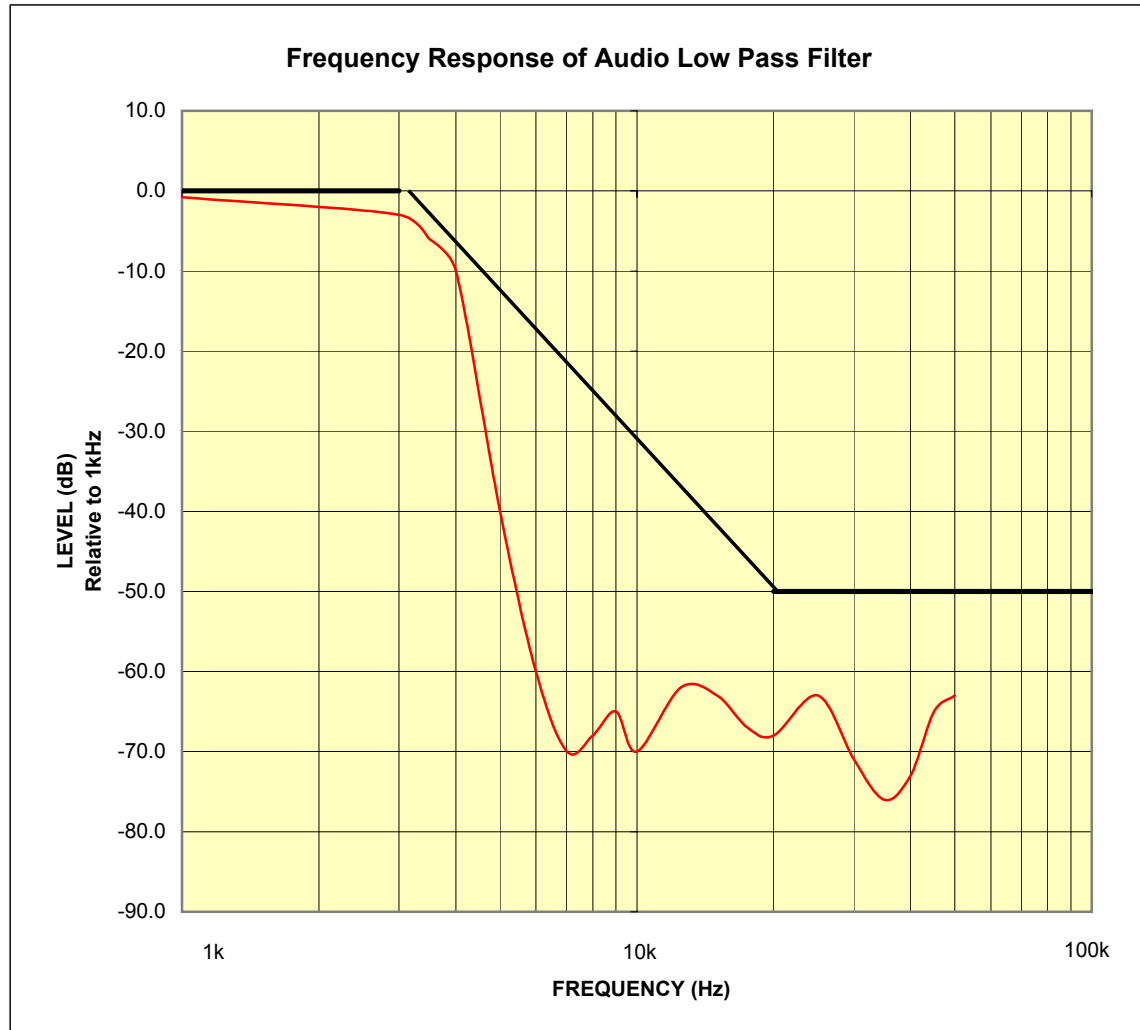
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.230117026.A3L
Test Date: 01.27.2003

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)
Model: STH-A325
FCC ID: A3LSTHA325

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)
FCC ID: A3LSTHA325

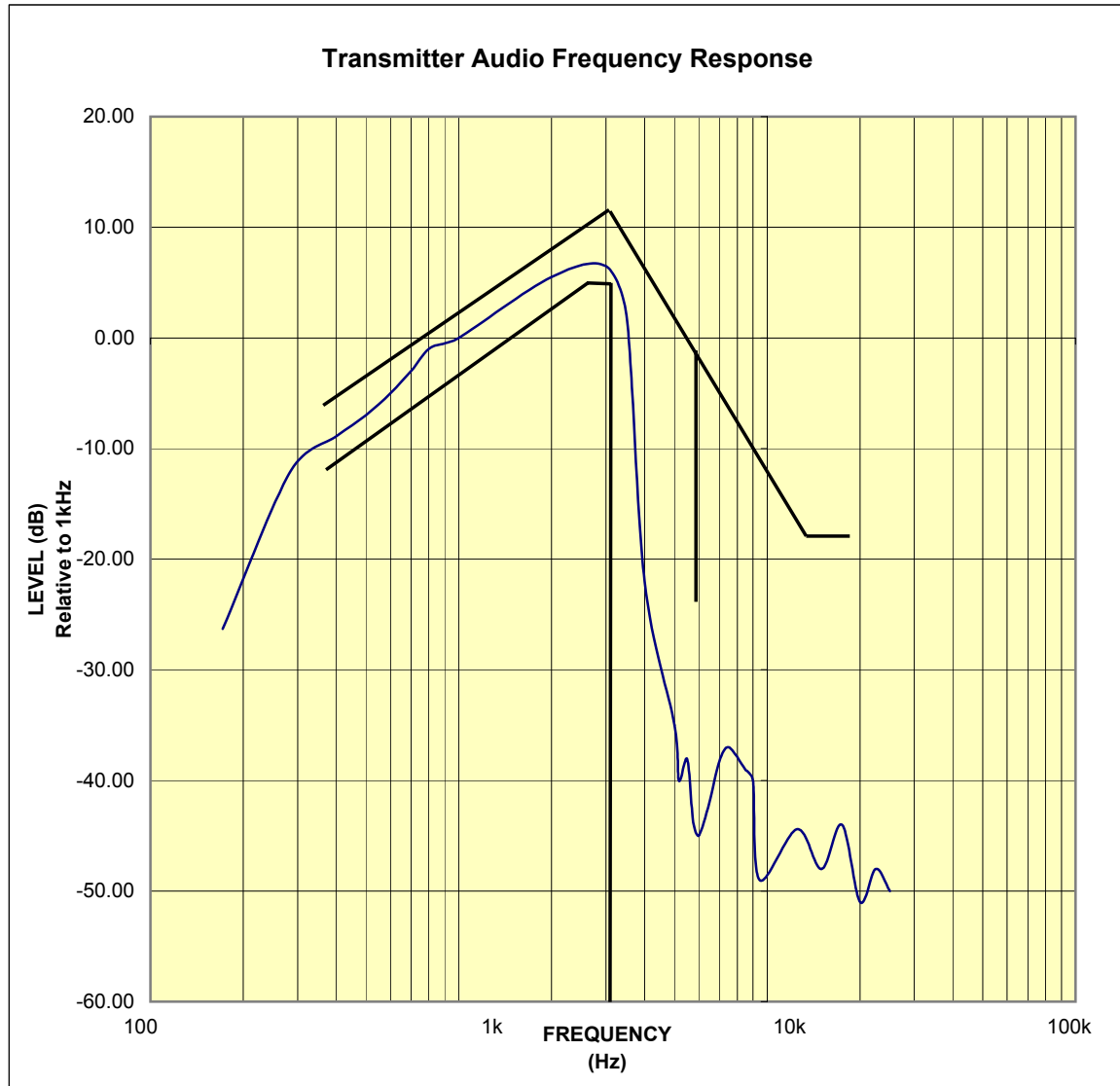
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.230117026.A3L
Test Date: 01.27.2003

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)
Model: STH-A325
FCC ID: A3LSTHA325

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)
FCC ID: A3LSTHA325