

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHN395

SAMSUNG

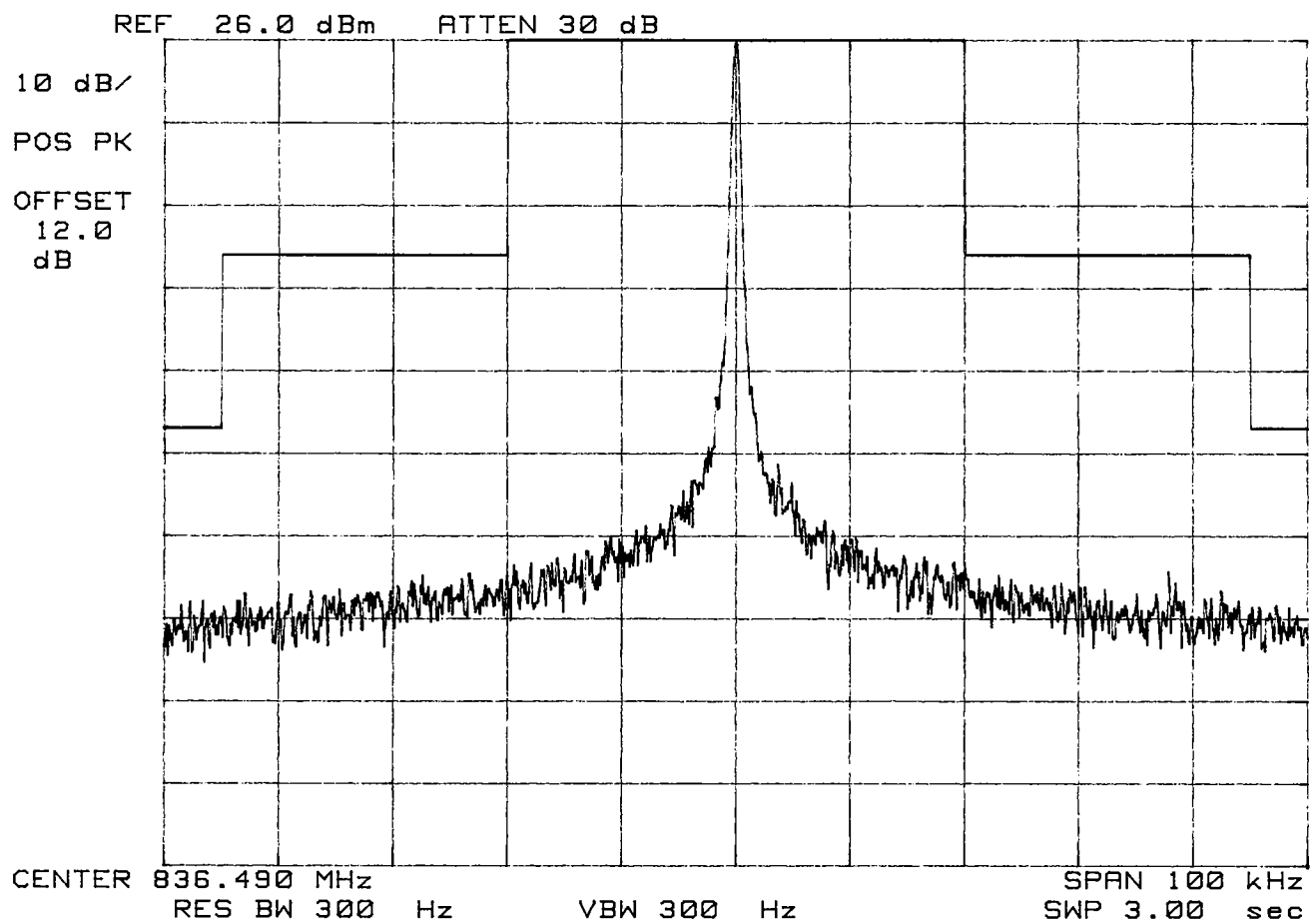
Dual-Mode Phone

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:A3LSTHN395

SAMSUNG

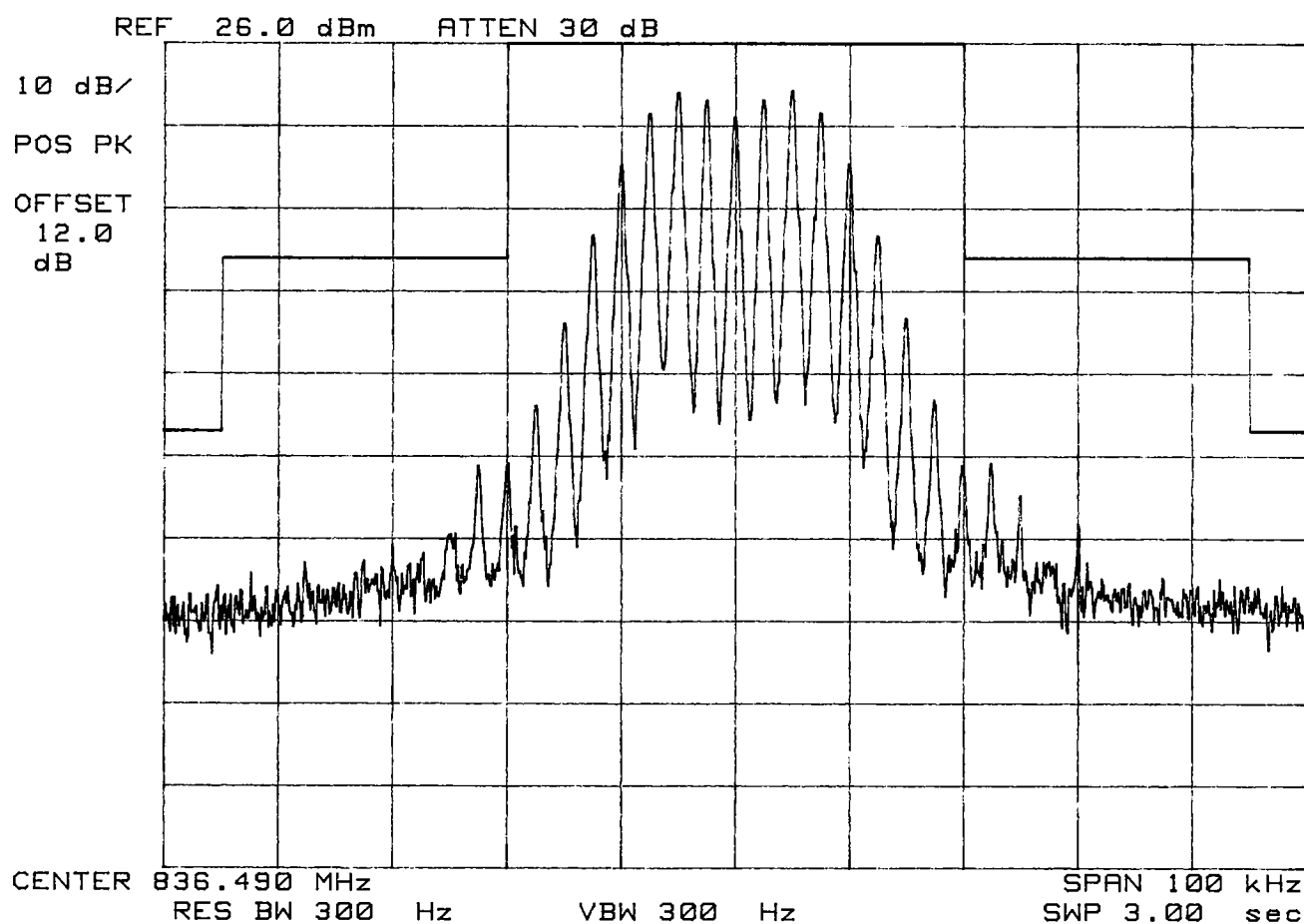
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHN395

SAMSUNG

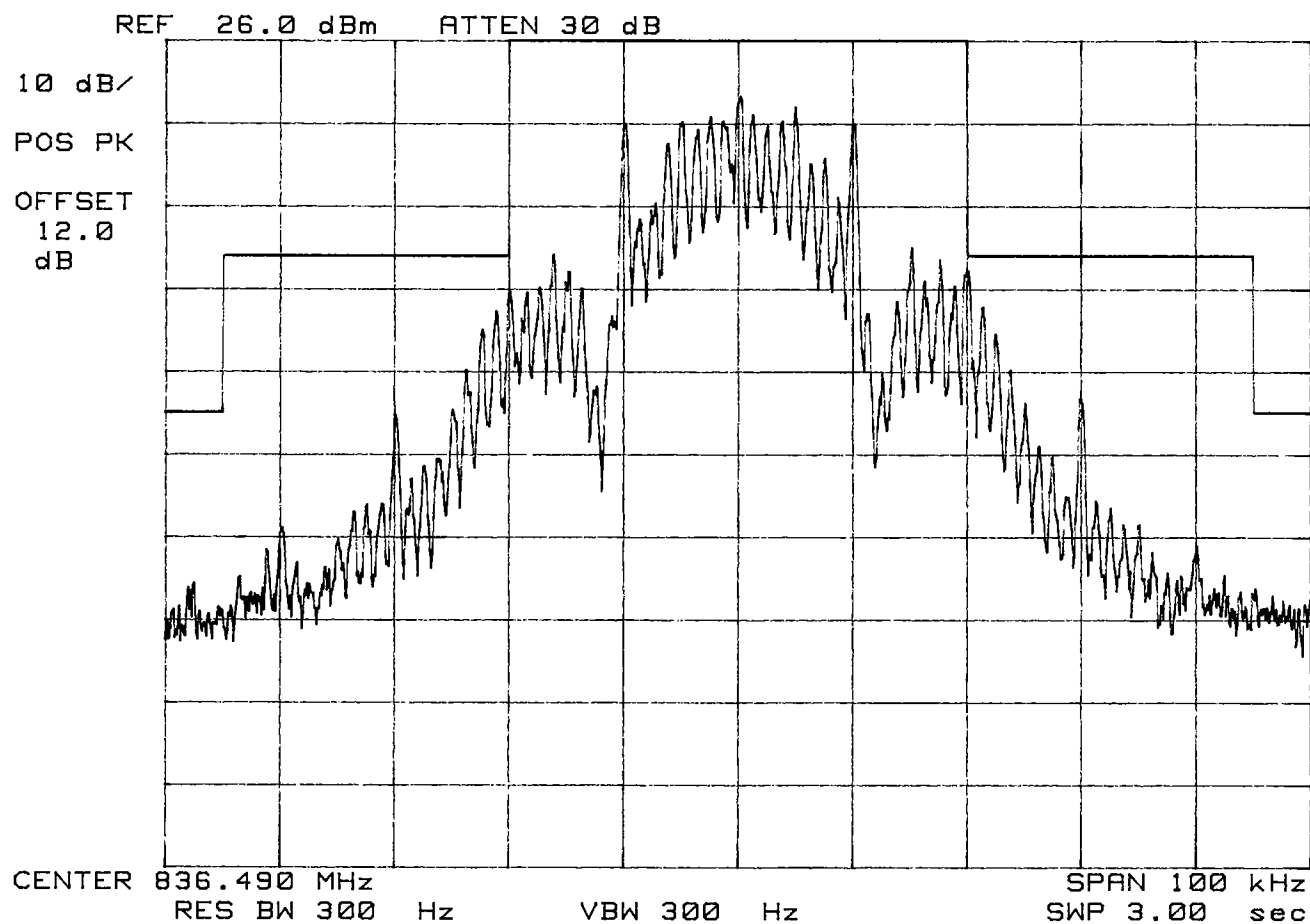
Dual-Mode Phone

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:A3LSTHN395

SAMSUNG

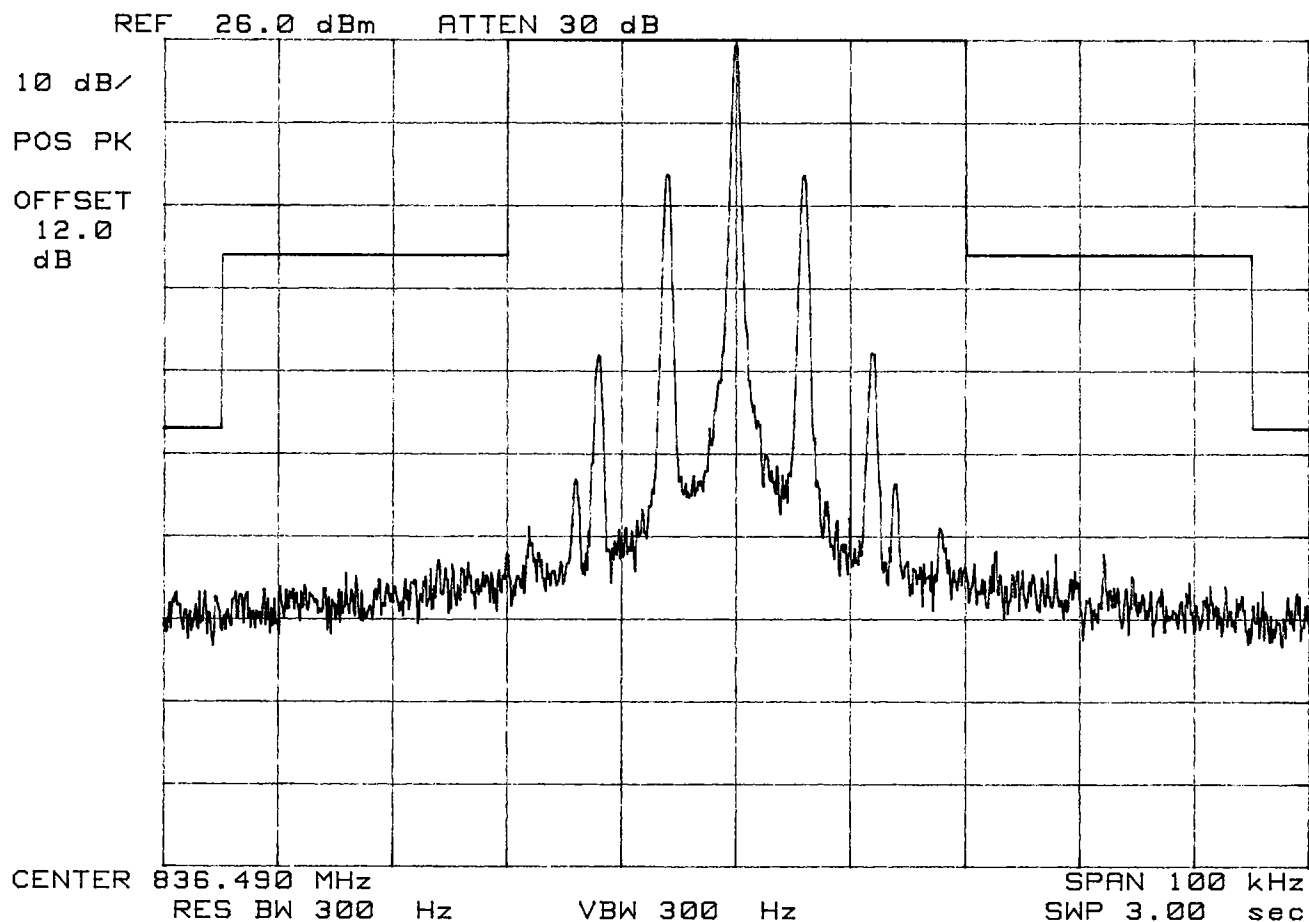
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHN395

SAMSUNG

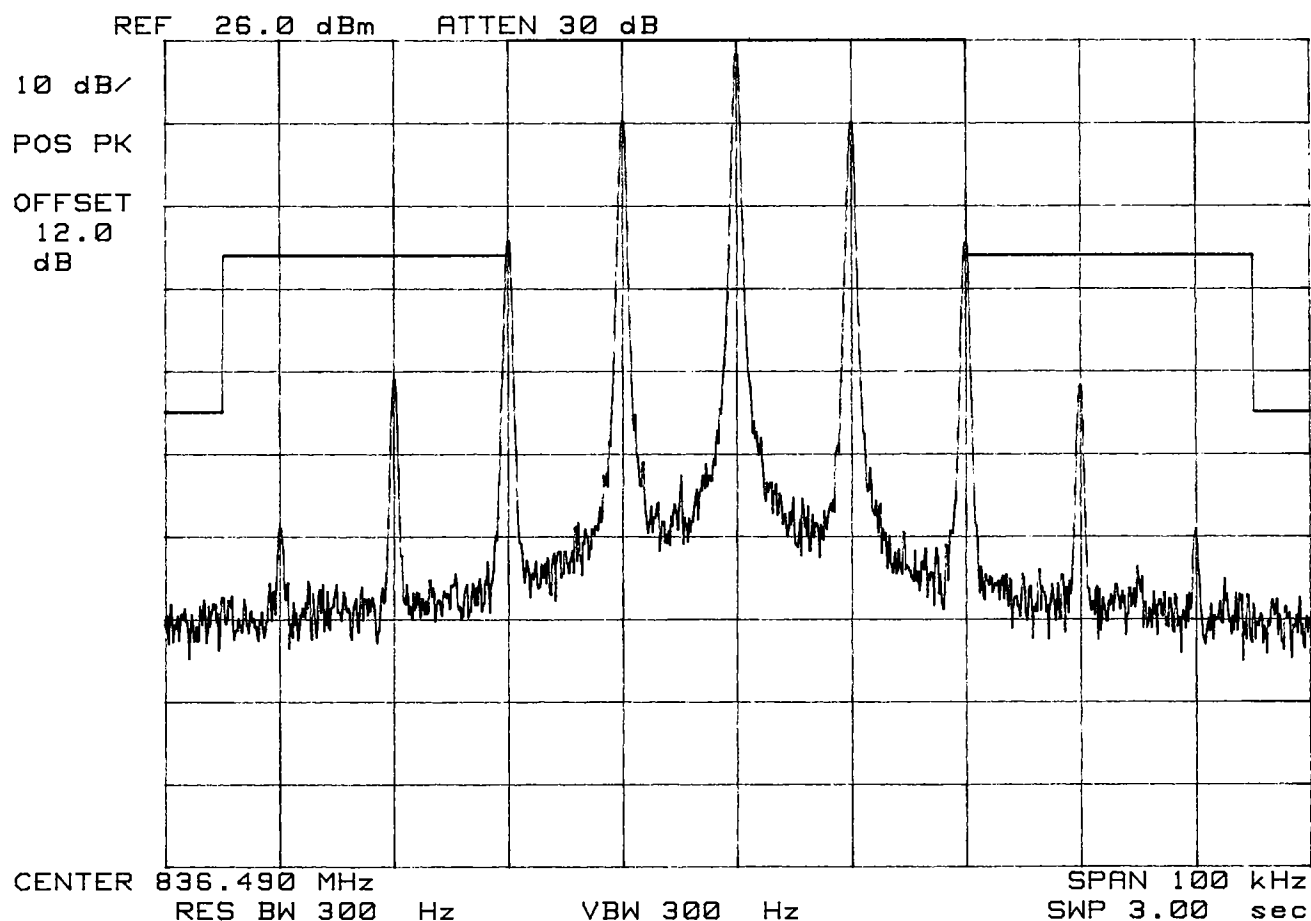
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSTHN395

SAMSUNG

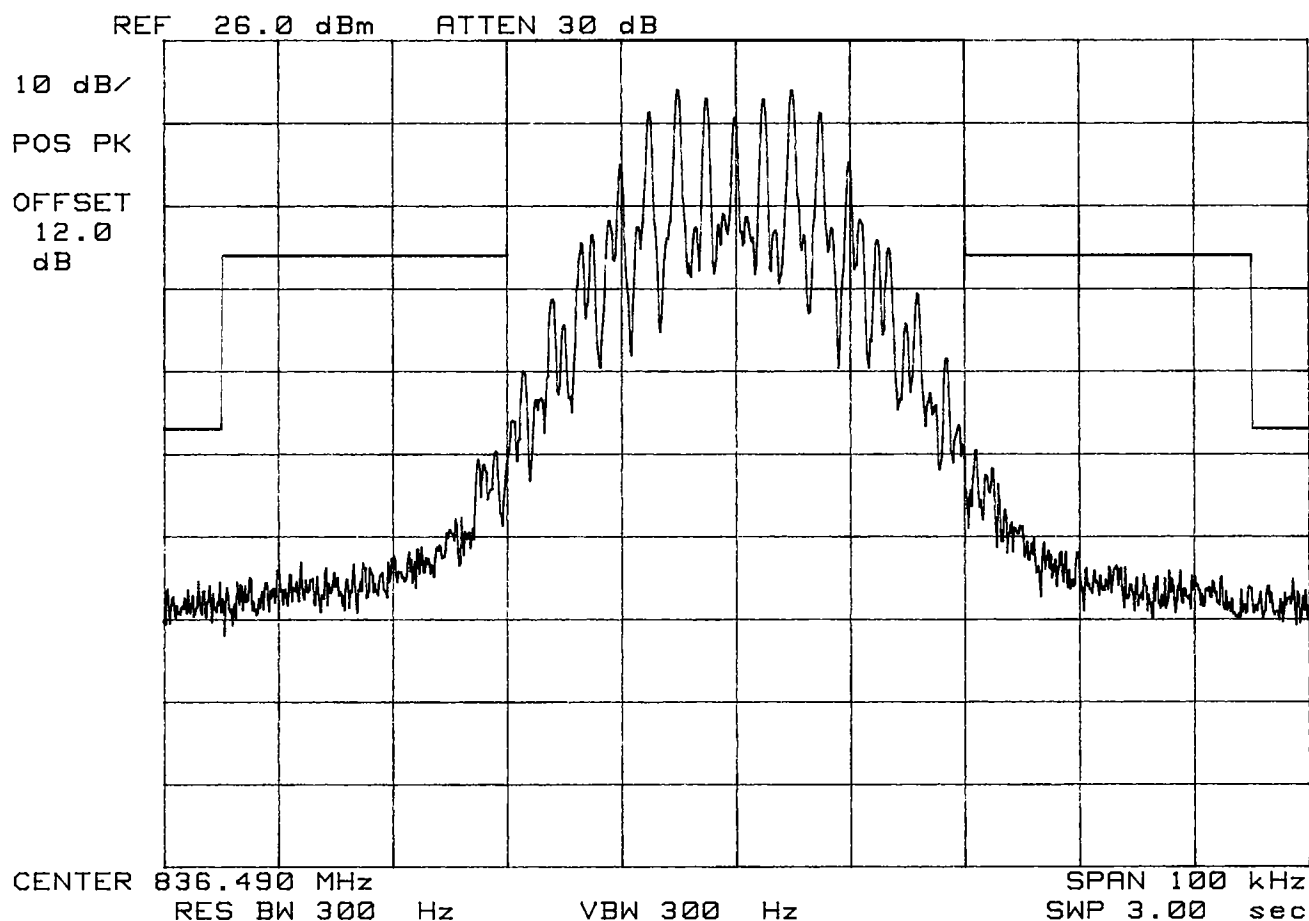
Dual-Mode Phone

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:A3LSTHN395

SAMSUNG

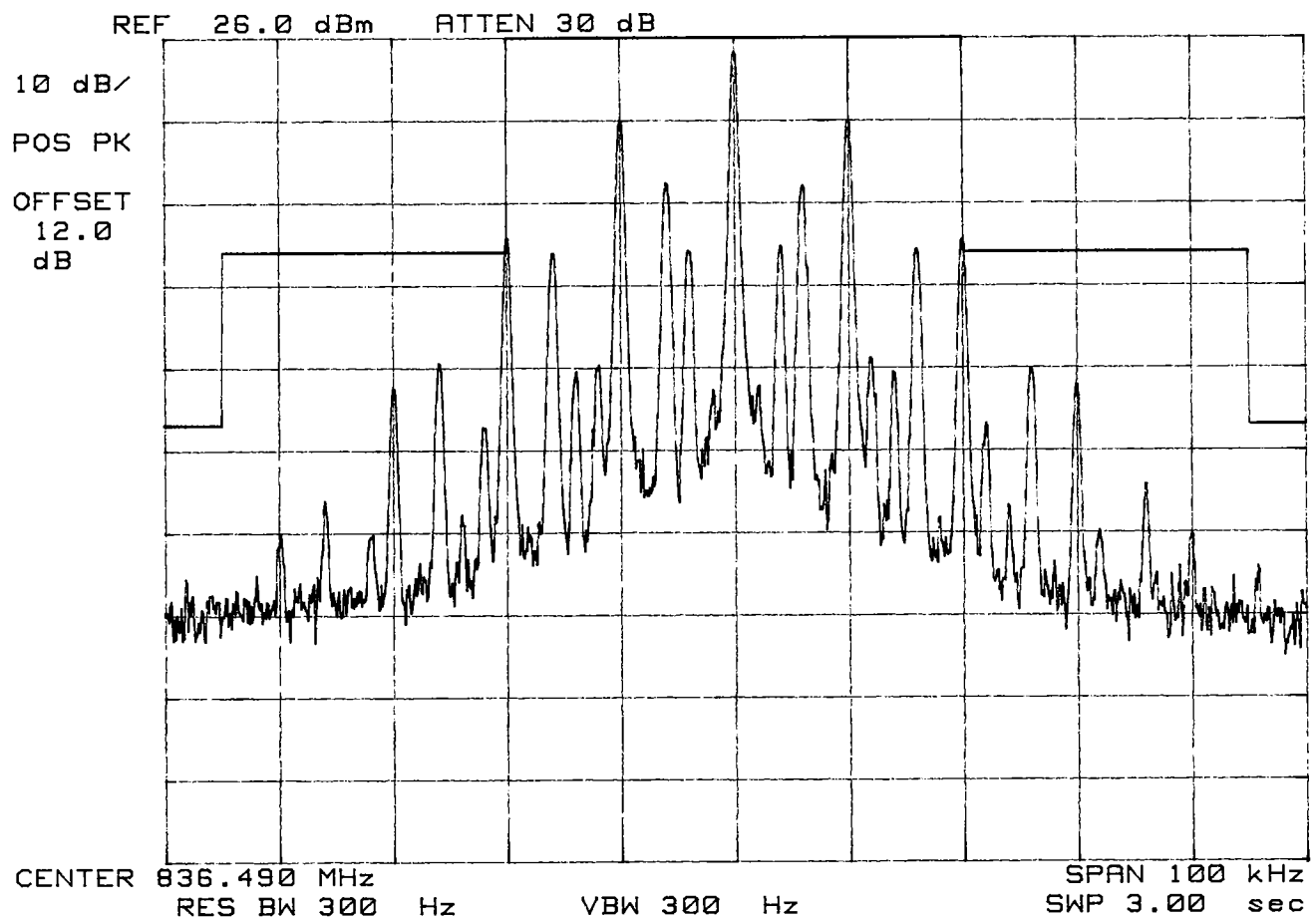
Dual-Mode Phone

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:A3LSTHN395

SAMSUNG

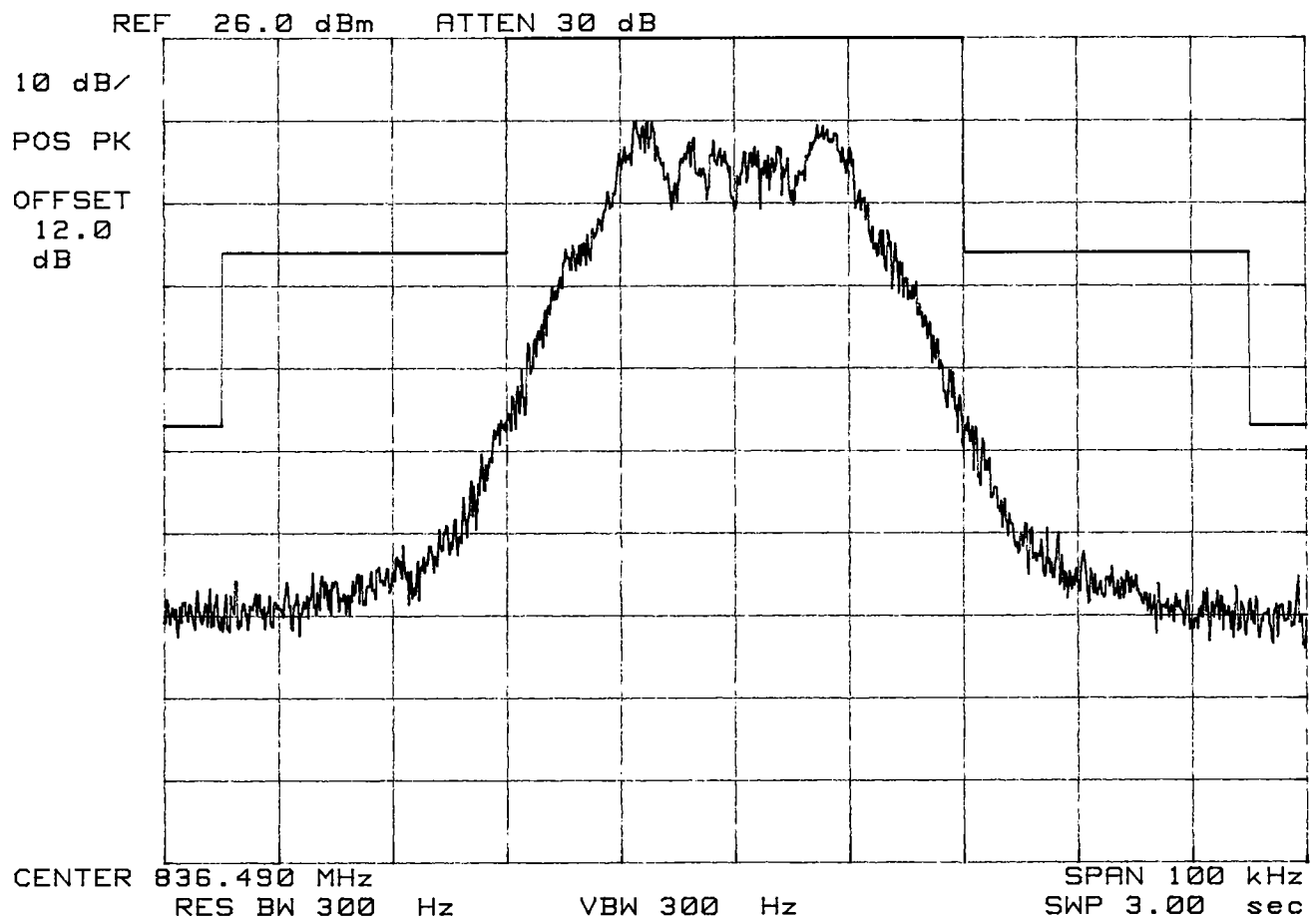
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

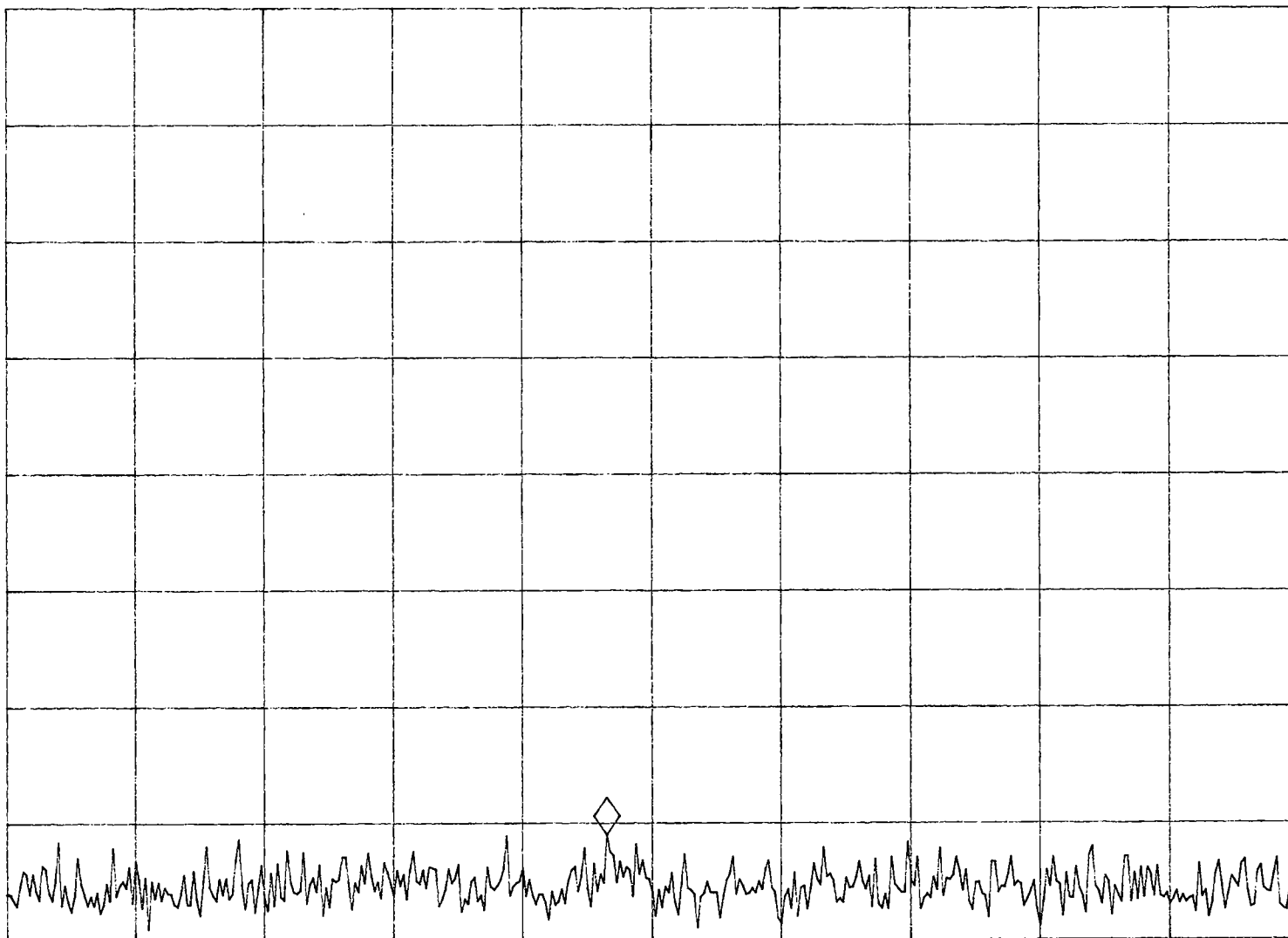
Test Mode:SAT + DTMF



~~HP~~ FCC ID: A3LSTHN395 FM MODE MKR 880.62 MHz  
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -95.48 dBm

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

VA SB  
SC FC  
CORR

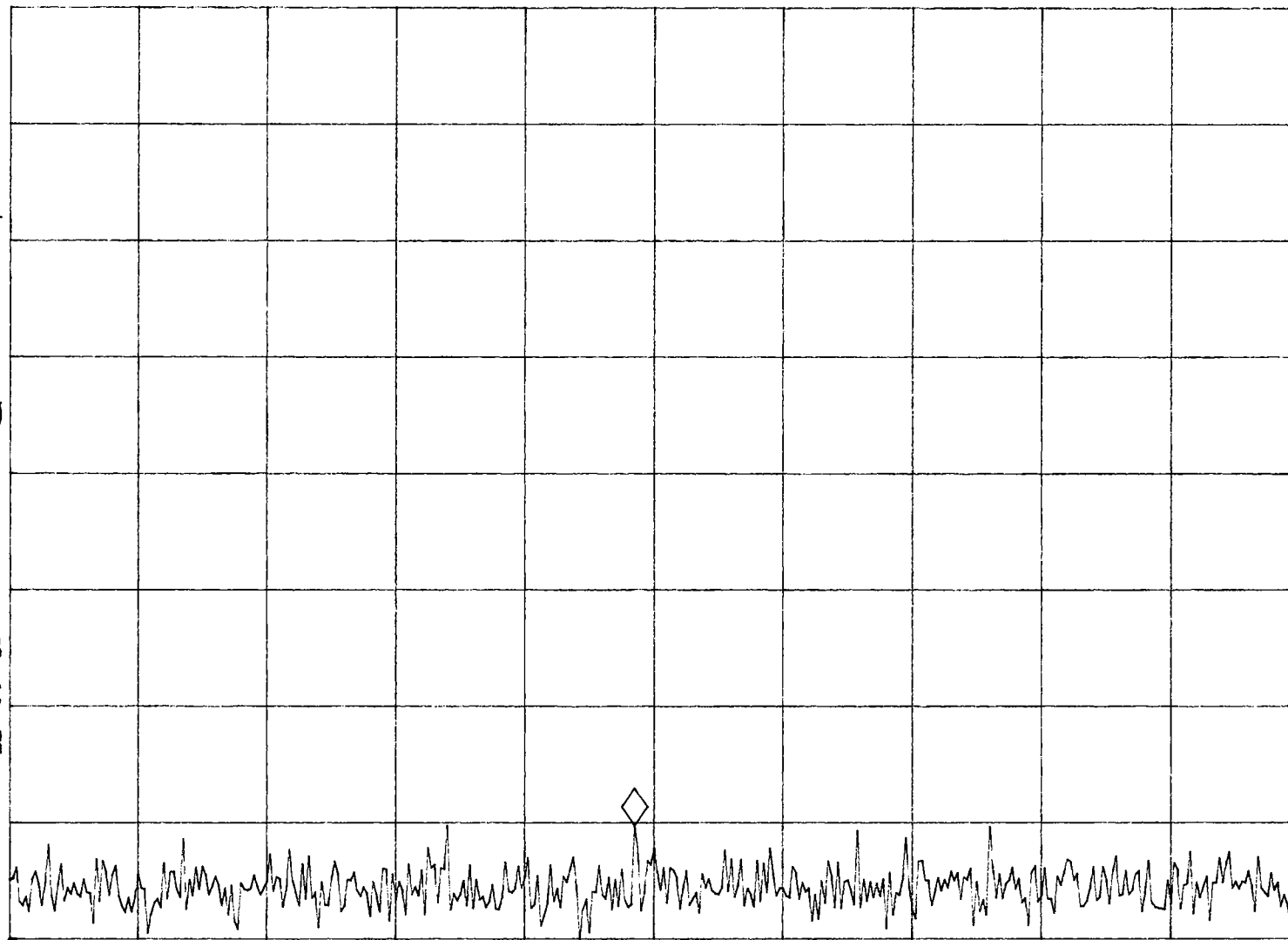


START 869.00 MHz STOP 894.00 MHz  
#RES BW 100 kHz #VBW 300 kHz SWP 20 msec

~~h~~ FCC ID: A3LSTHN395 TDMA MODE MKR 881.12 MHz  
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -95.11 dBm

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

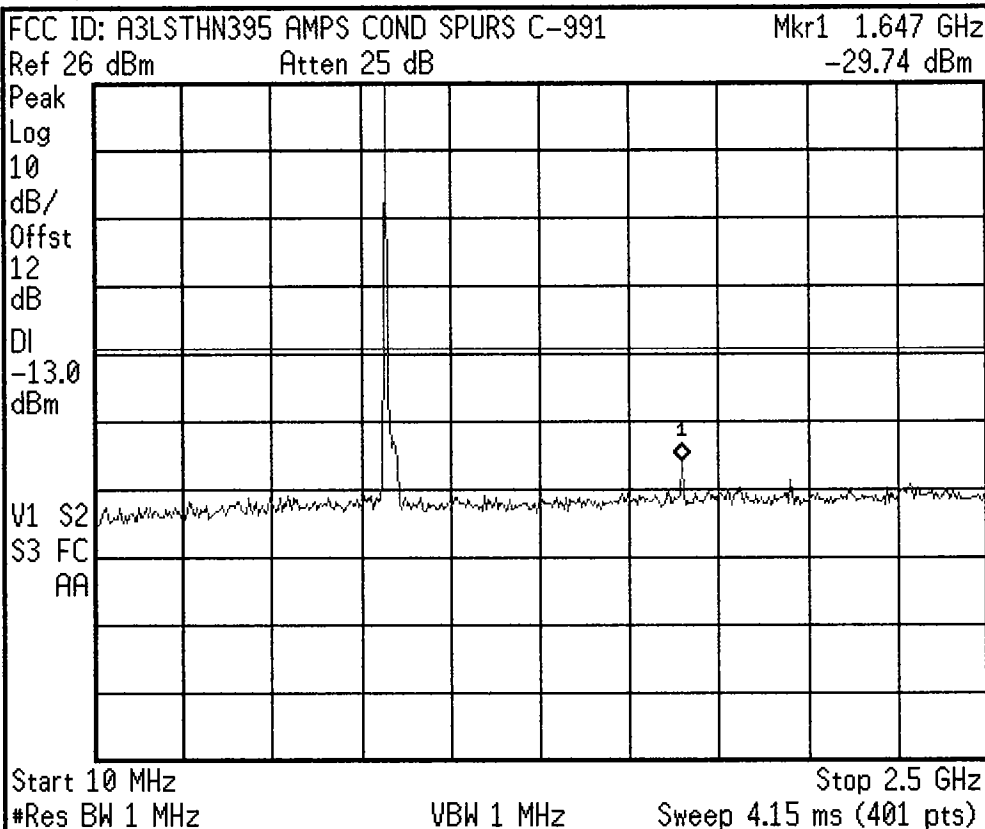
VA SB  
SC FC  
CORR



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

Agilent 07:10:07 Jan 8, 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

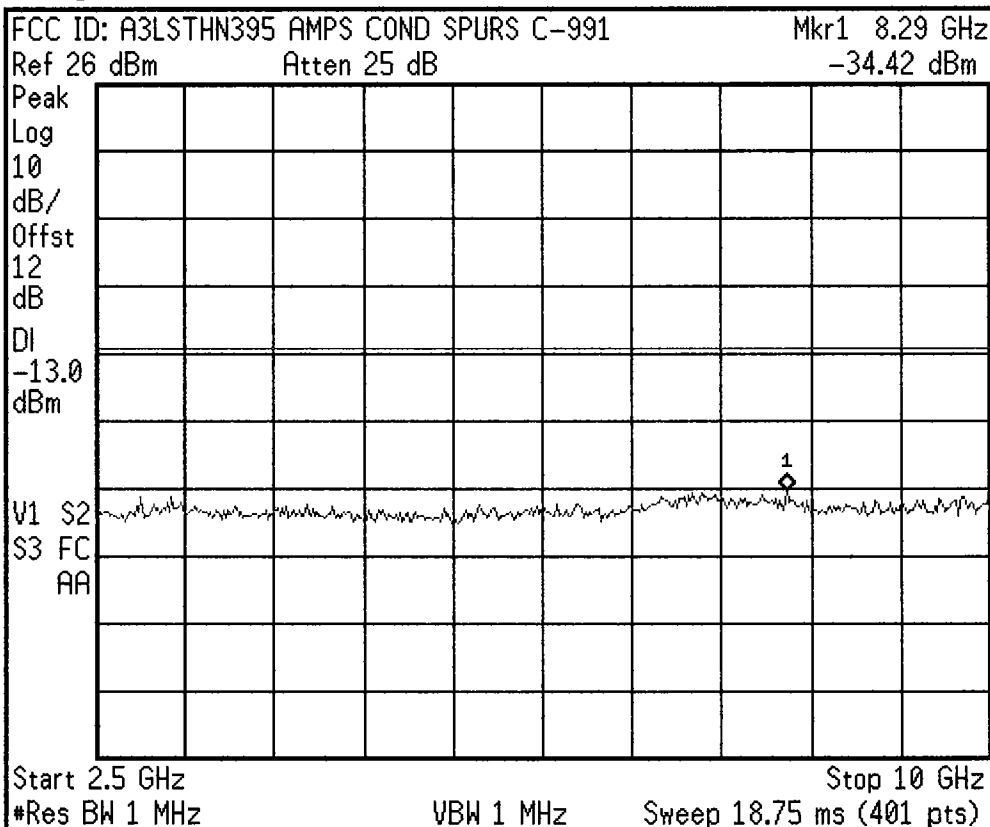
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 07:10:59 Jan 8, 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

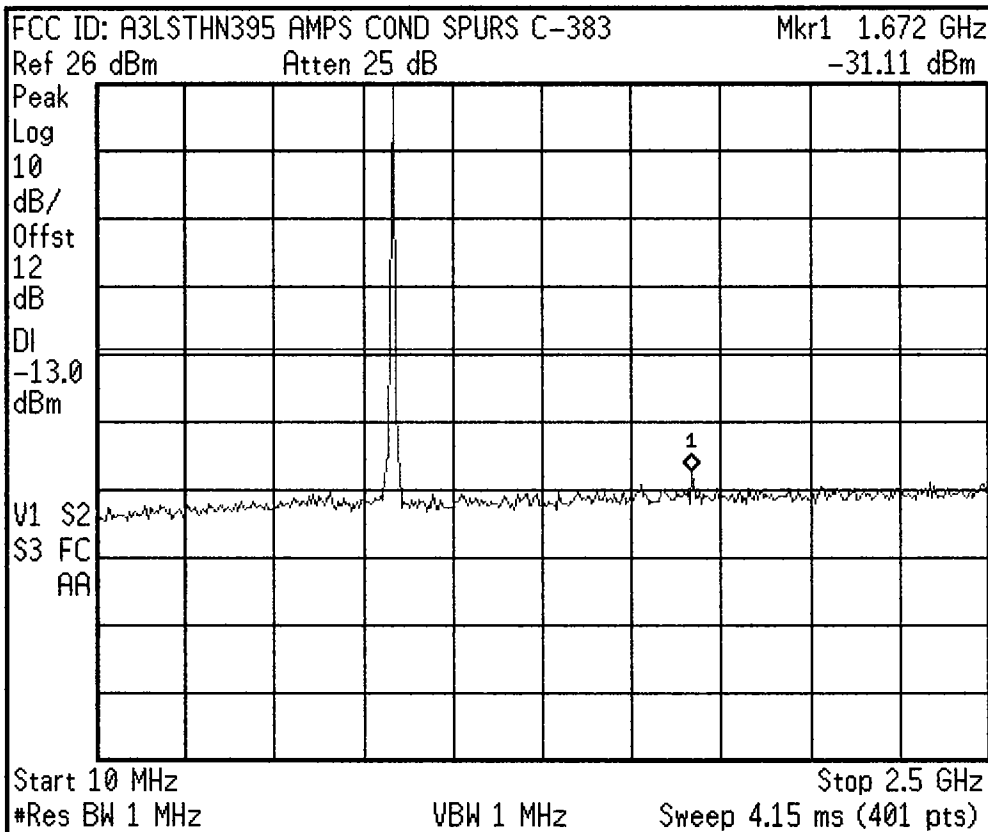
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 07:16:42 Jan 8, 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

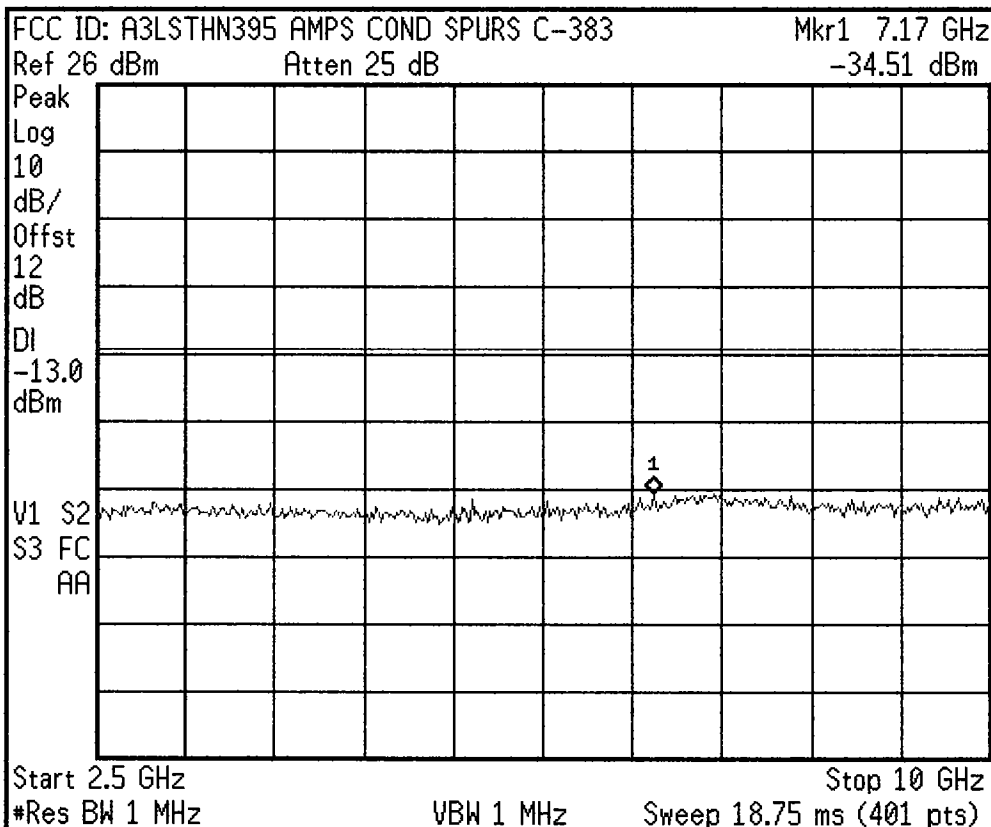
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 07:17:31 Jan 8, 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

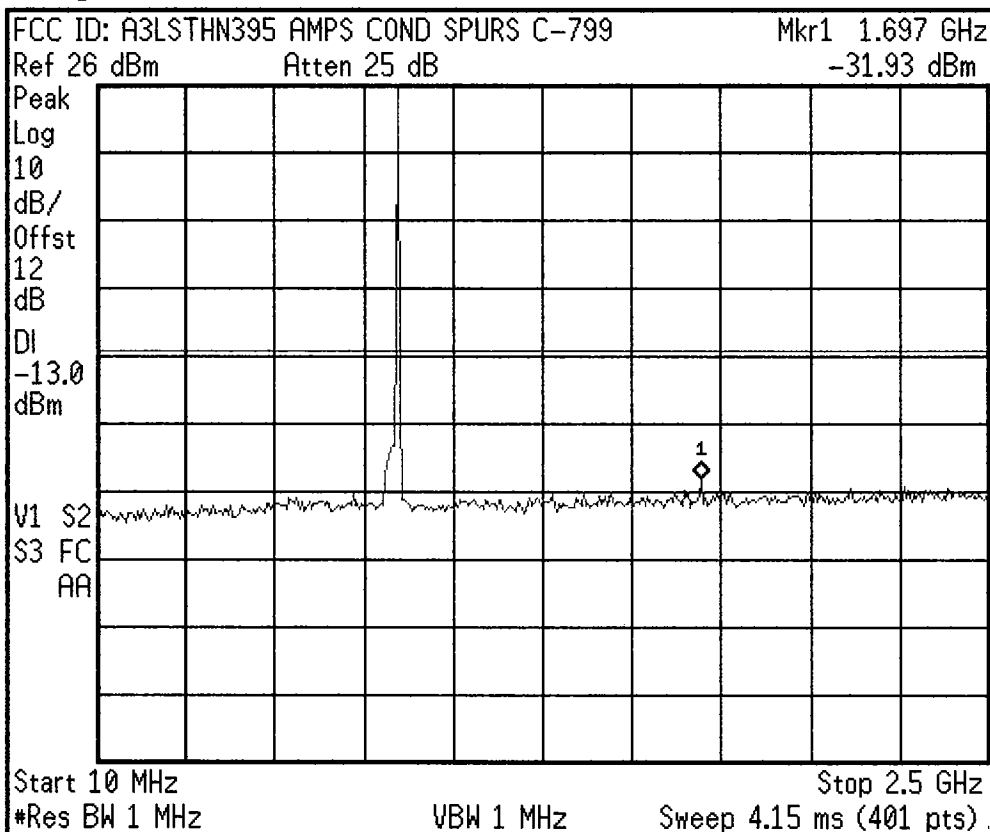
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 07:13:47 Jan 8, 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

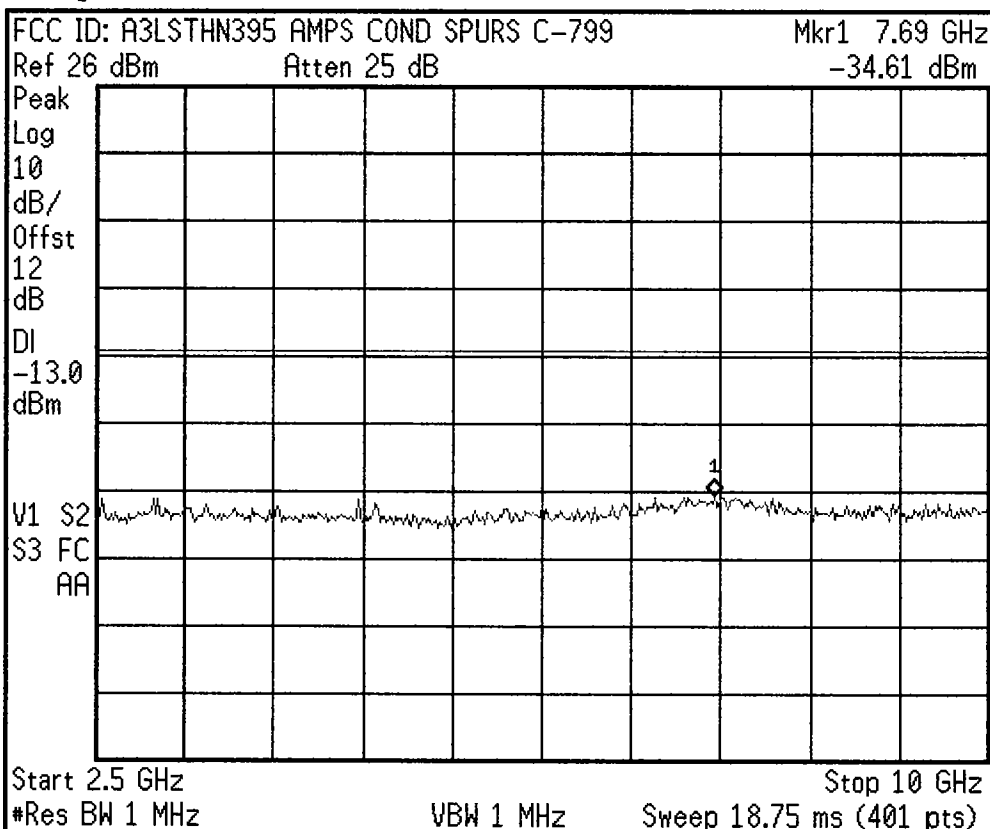
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 07:15:13 Jan 8, 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 07:02:20 Jan 8, 2003

L

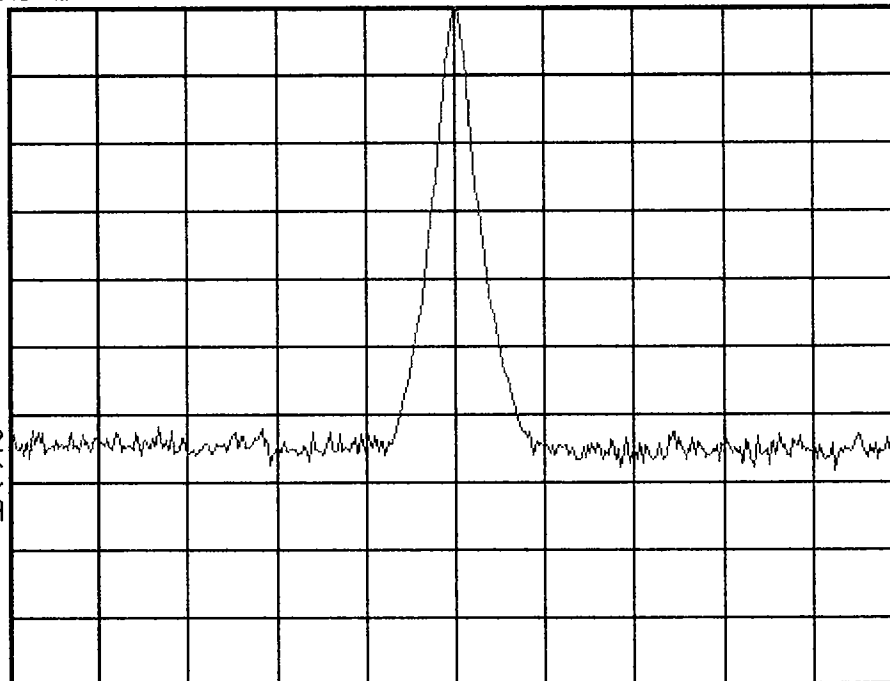
FCC ID: A3LSTHN395 TDMA MID CHANNEL C-383

Ref 26.5 dBm

Atten 25 dB

Peak  
Log  
10  
dB/  
Offst  
12  
dB

V1 S2  
S3 FC  
AA



Center 836.5 MHz

Span 10 MHz

\*Res BW 100 kHz

VBW 100 kHz

Sweep 4 ms (401 pts)

Freq/Channel

Center Freq  
836.490000 MHz

Start Freq  
831.490000 MHz

Stop Freq  
841.490000 MHz

CF Step  
1.00000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Agilent 07:04:27 Jan 8, 2003

L

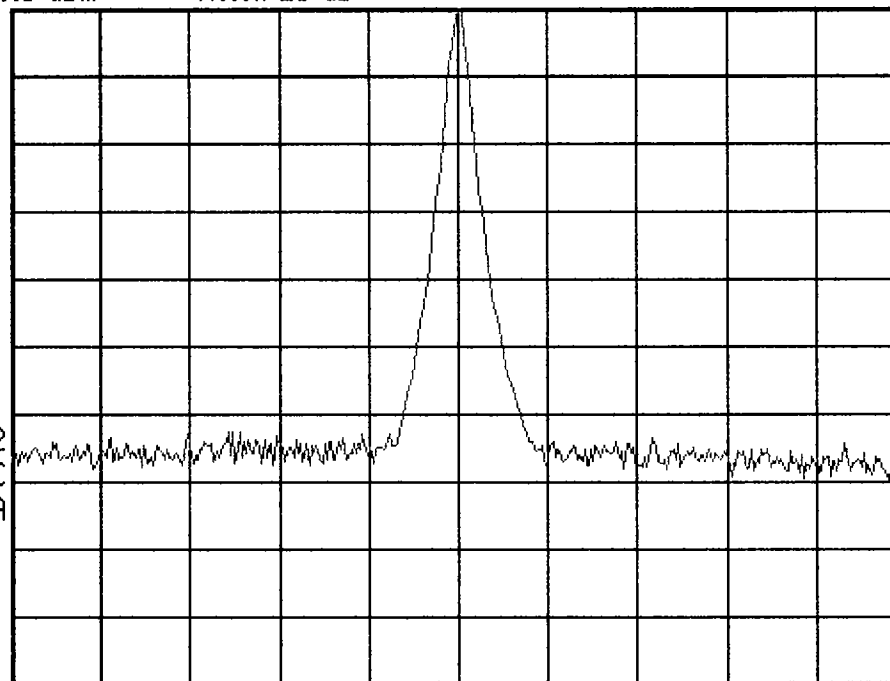
FCC ID: A3LSTHN395 TDMA HIGH CHANNEL C-799

Ref 26.5 dBm

Atten 25 dB

Peak  
Log  
10  
dB/  
Offst  
12  
dB

V1 S2  
S3 FC  
AA



Center 849 MHz

Span 10 MHz

\*Res BW 100 kHz

VBW 100 kHz

Sweep 4 ms (401 pts)

Freq/Channel

Center Freq  
848.970000 MHz

Start Freq  
843.970000 MHz

Stop Freq  
853.970000 MHz

CF Step  
1.00000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

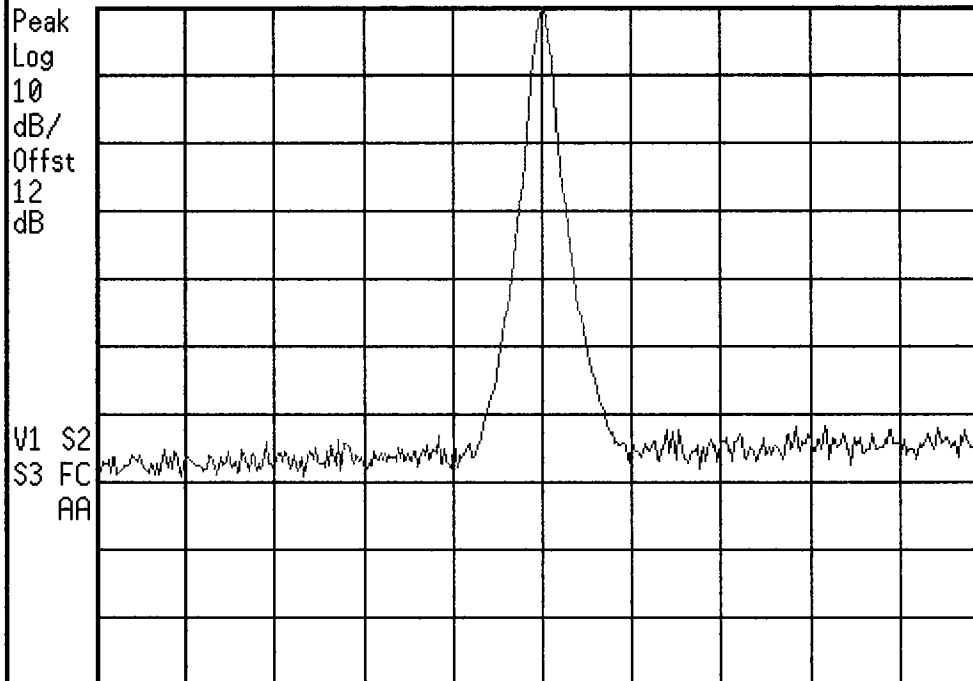
Scale Type  
Log Lin

Agilent 06:59:51 Jan 8, 2003

L

FCC ID: A3LSTHN395 TDMA LOW CHANNEL C-991

Ref 26.5 dBm Atten 25 dB



Center 824 MHz Span 10 MHz  
\*Res BW 100 kHz VBW 100 kHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq  
824.040000 MHz

Start Freq  
819.040000 MHz

Stop Freq  
829.040000 MHz

CF Step  
1.00000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

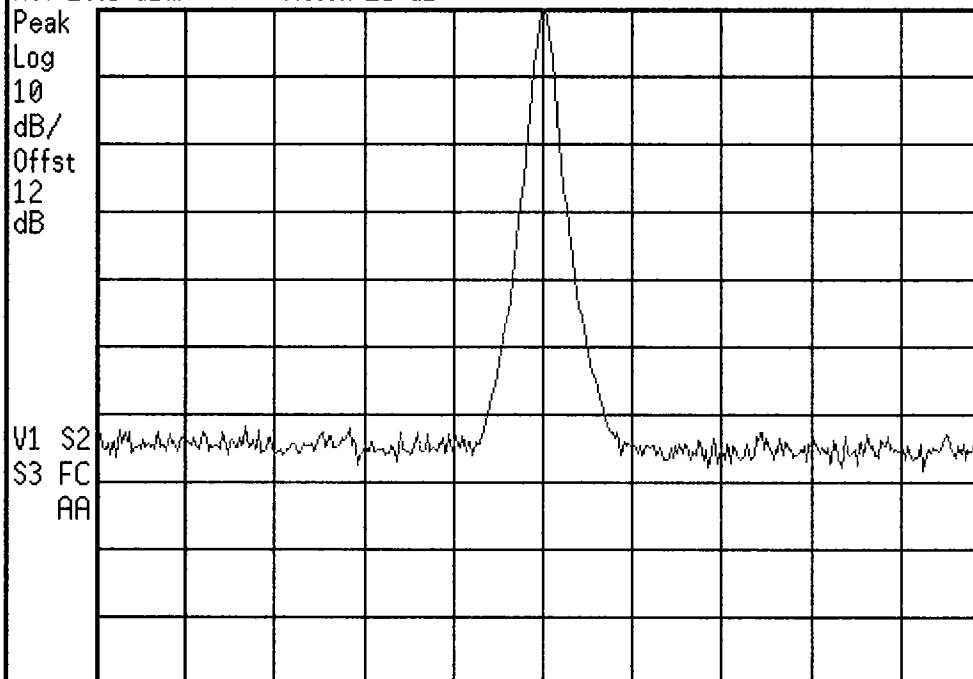
Scale Type  
Log Lin

Agilent 07:01:55 Jan 8, 2003

L

FCC ID: A3LSTHN395 TDMA MID CHANNEL C-383

Ref 26.5 dBm Atten 25 dB



Center 836.5 MHz Span 10 MHz  
\*Res BW 100 kHz VBW 100 kHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq  
836.490000 MHz

Start Freq  
831.490000 MHz

Stop Freq  
841.490000 MHz

CF Step  
1.00000000 MHz  
Auto Man

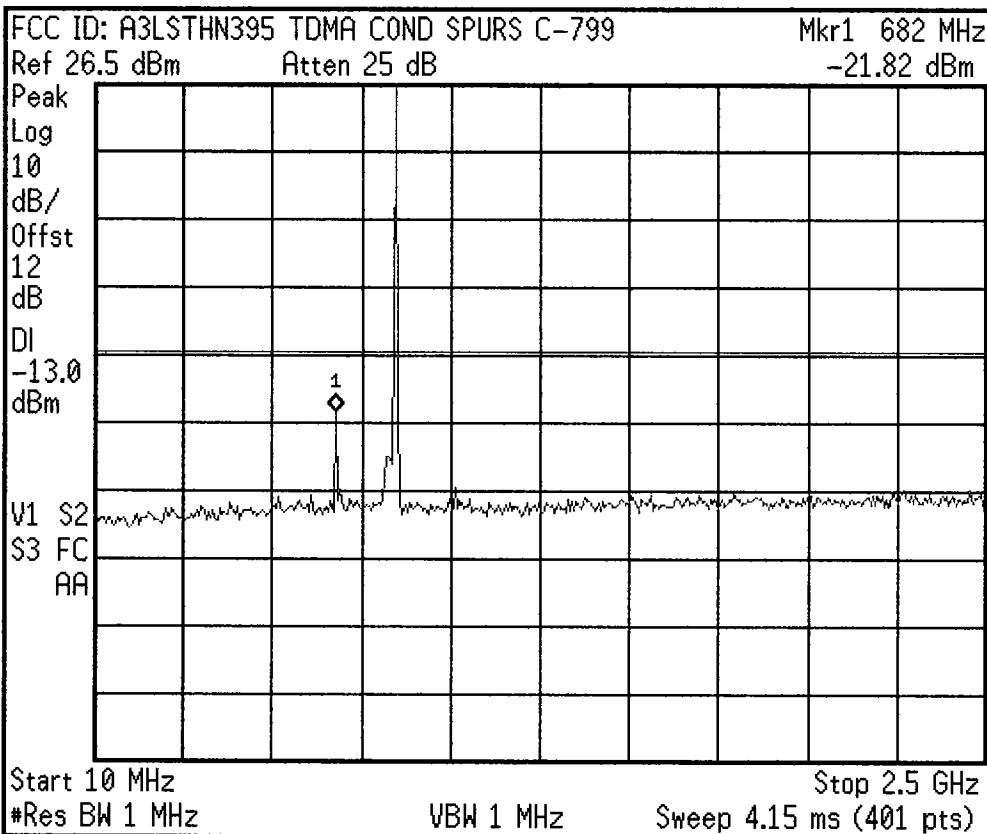
Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent 06:52:52 Jan 8, 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

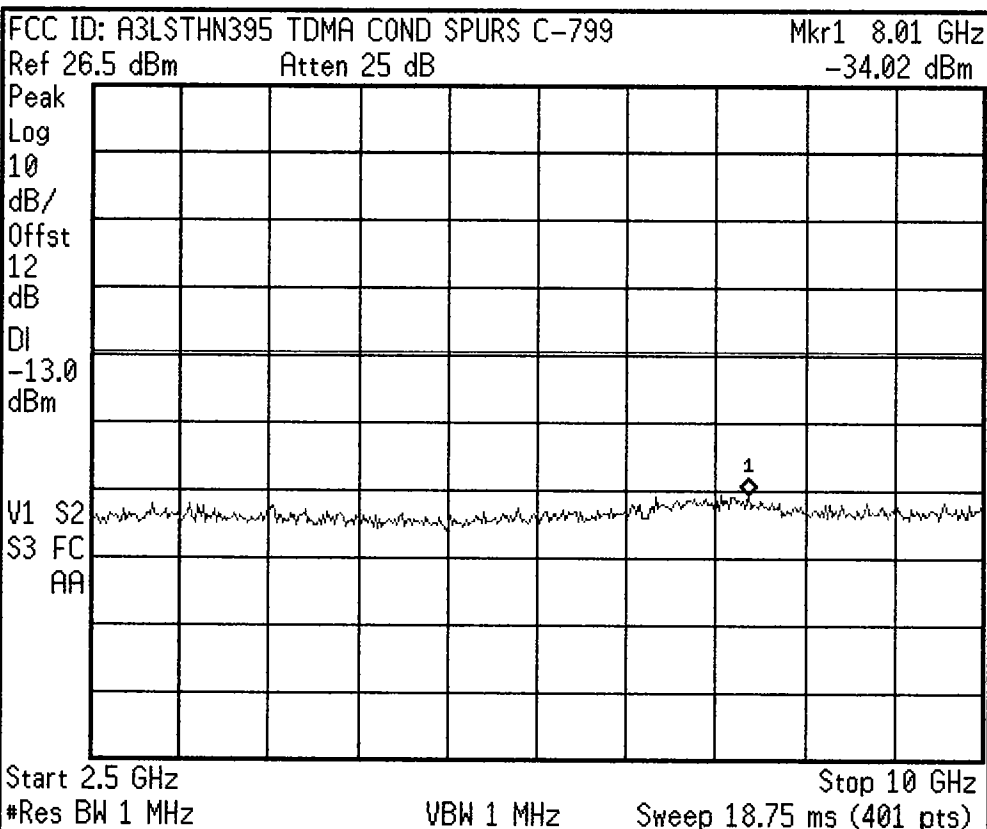
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

\* Agilent 06:53:40 Jan 8, 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

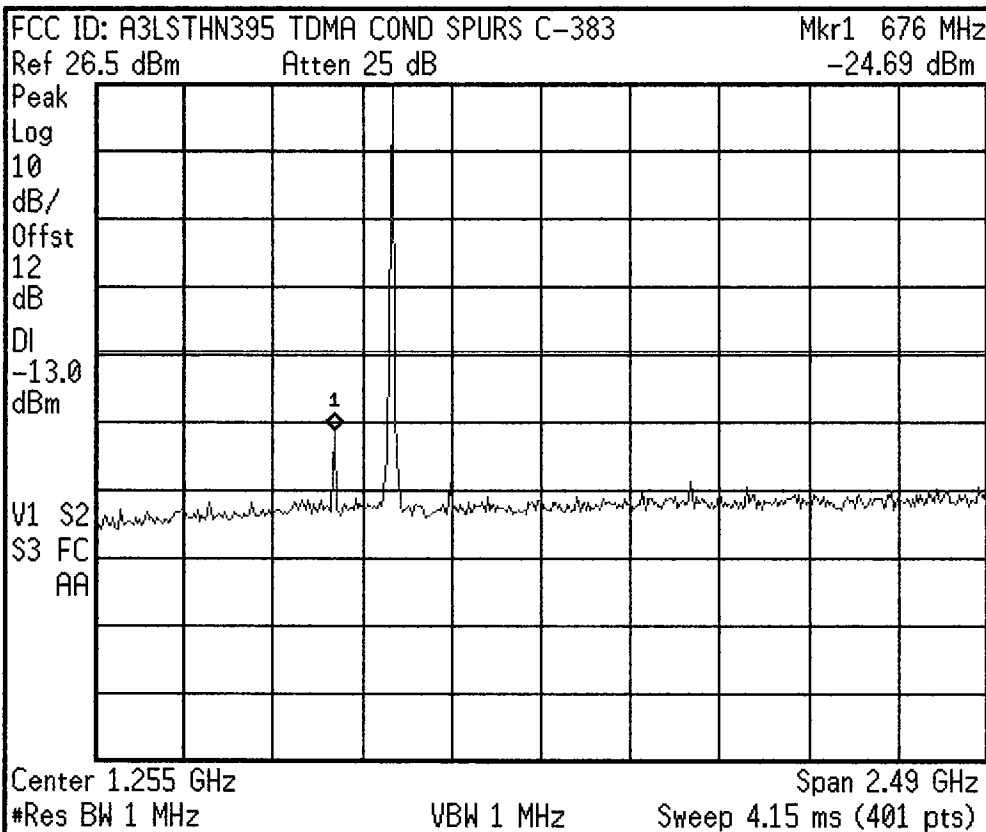
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 06:50:06 Jan 8, 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

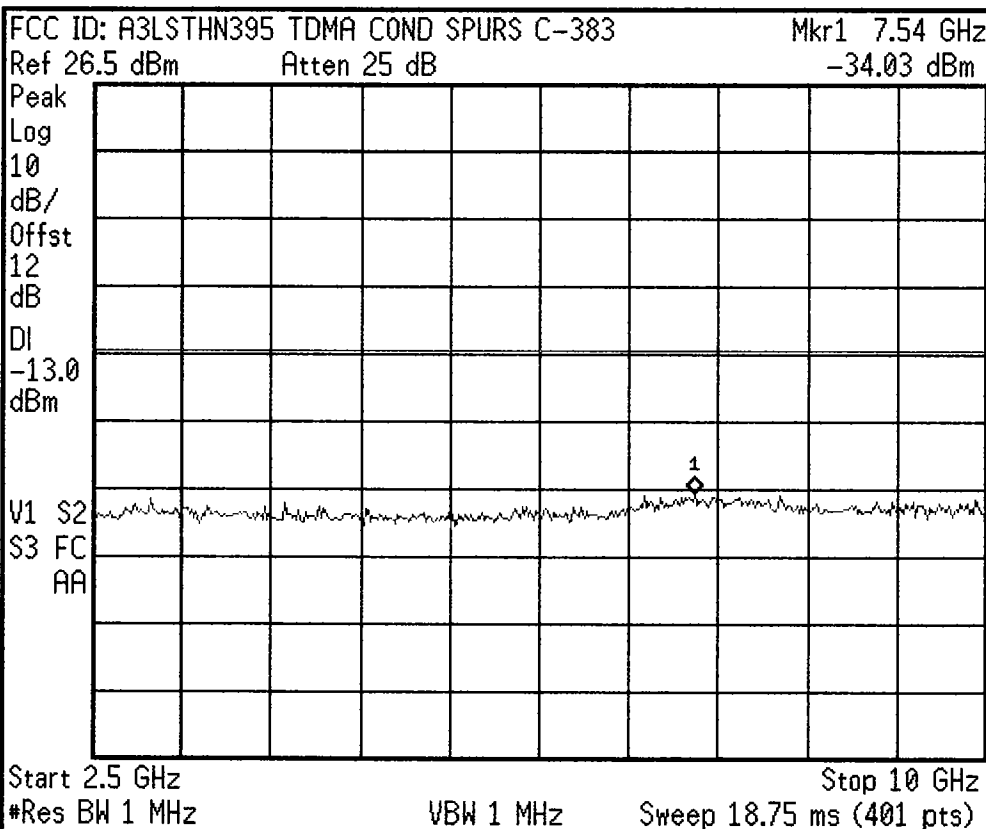
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 06:51:26 Jan 8, 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

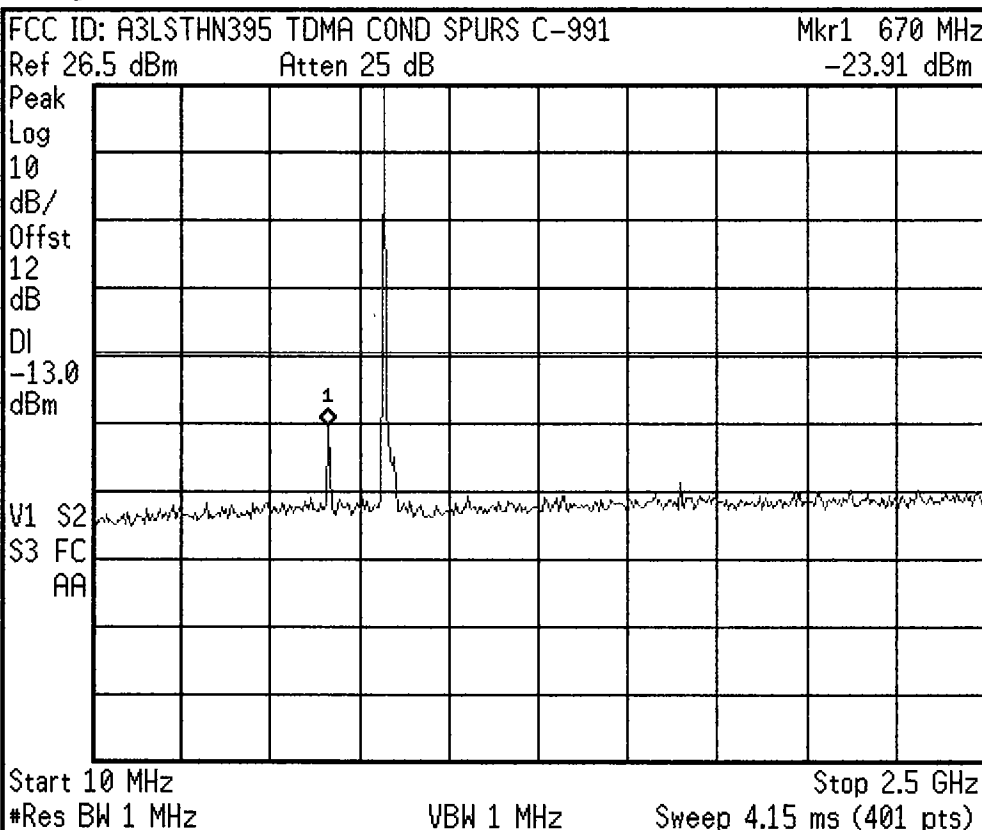
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent 06:46:45 Jan 8, 2003

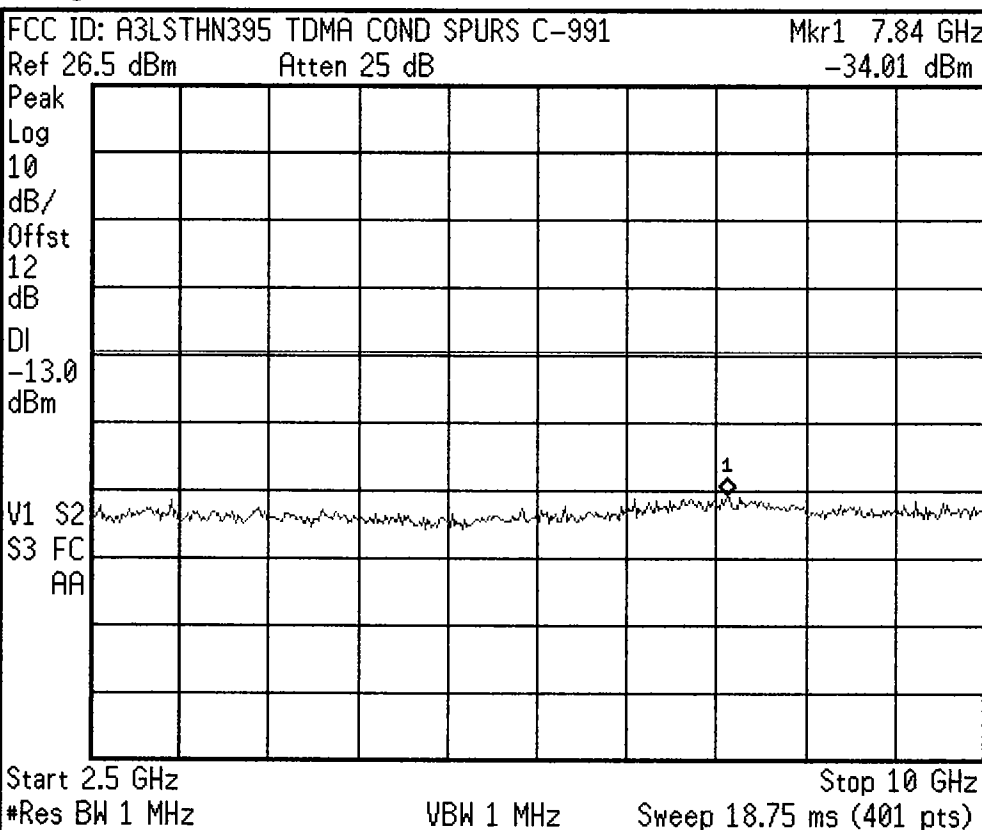
L



|                                              |
|----------------------------------------------|
| <b>Freq/Channel</b>                          |
| <b>Center Freq</b><br>1.25500000 GHz         |
| <b>Start Freq</b><br>10.0000000 MHz          |
| <b>Stop Freq</b><br>2.50000000 GHz           |
| <b>CF Step</b><br>249.000000 MHz<br>Auto Man |
| <b>Freq Offset</b><br>0.00000000 Hz          |
| <b>Signal Track</b><br>On Off                |
| <b>Scale Type</b><br>Log Lin                 |

Agilent 06:48:10 Jan 8, 2003

L



|                                              |
|----------------------------------------------|
| <b>Freq/Channel</b>                          |
| <b>Center Freq</b><br>6.25000000 GHz         |
| <b>Start Freq</b><br>2.50000000 GHz          |
| <b>Stop Freq</b><br>10.00000000 GHz          |
| <b>CF Step</b><br>750.000000 MHz<br>Auto Man |
| <b>Freq Offset</b><br>0.00000000 Hz          |
| <b>Signal Track</b><br>On Off                |
| <b>Scale Type</b><br>Log Lin                 |

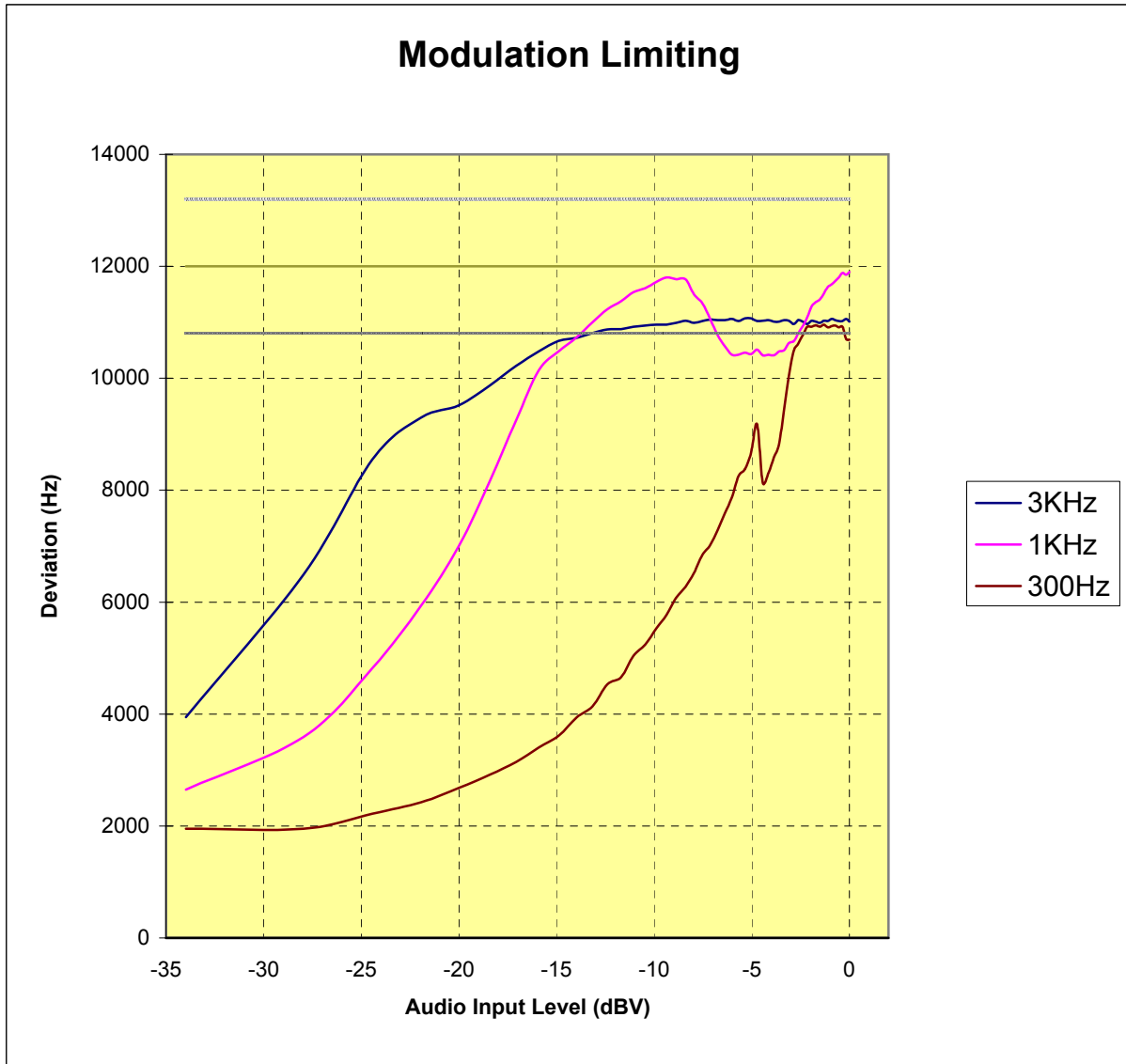
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.230117028.A3L  
Test Date: 01.27.2003

**EUT:** SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)  
**Model:** STH-N395  
**FCC ID:** A3LSTHN395

**REFERENCE:** 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)  
FCC ID: A3LSTHN395

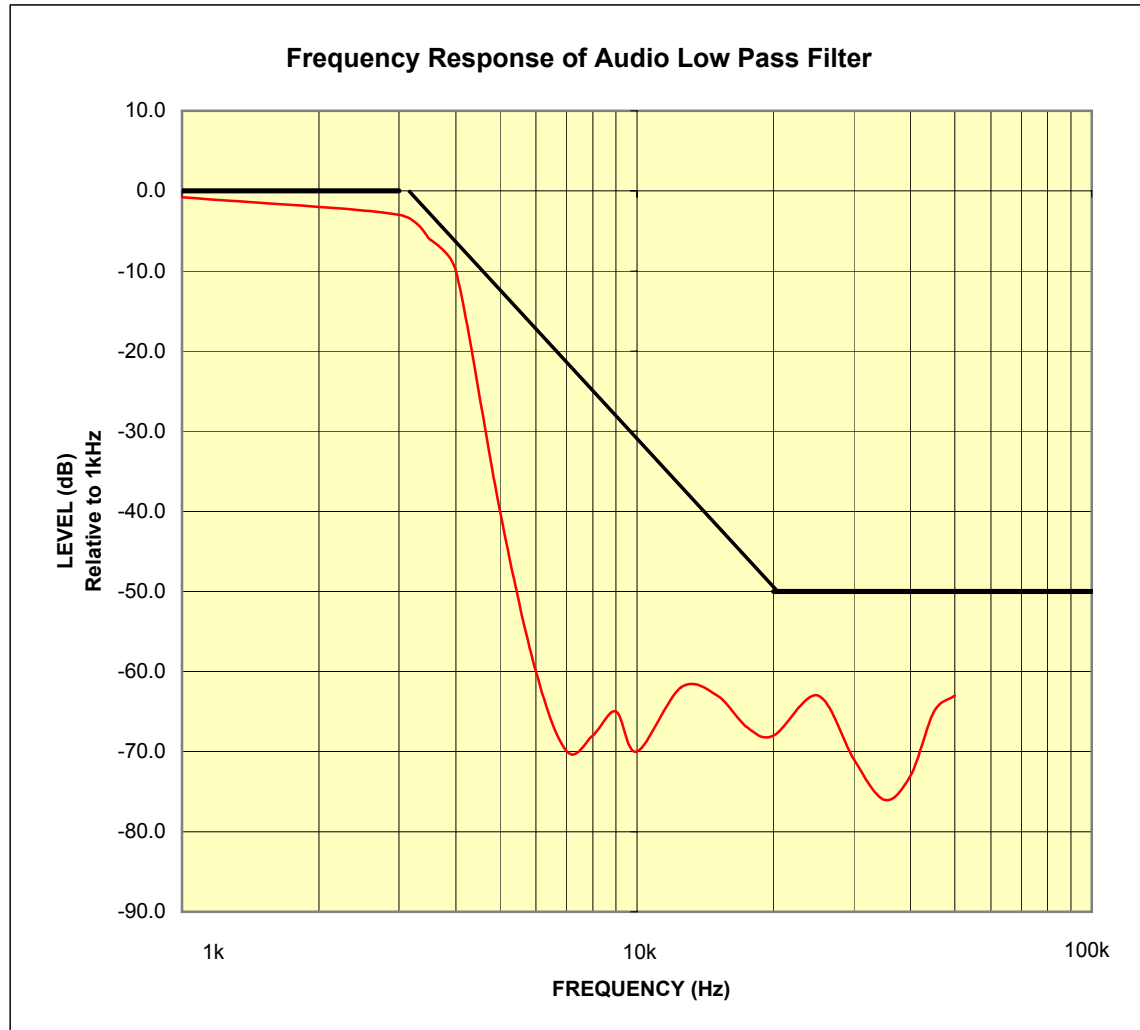
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.230117028.A3L  
Test Date: 01.27.2003

**EUT:** SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)  
**Model:** STH-N395  
**FCC ID:** A3LSTHN395

**REFERENCE:** 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)  
FCC ID: A3LSTHN395

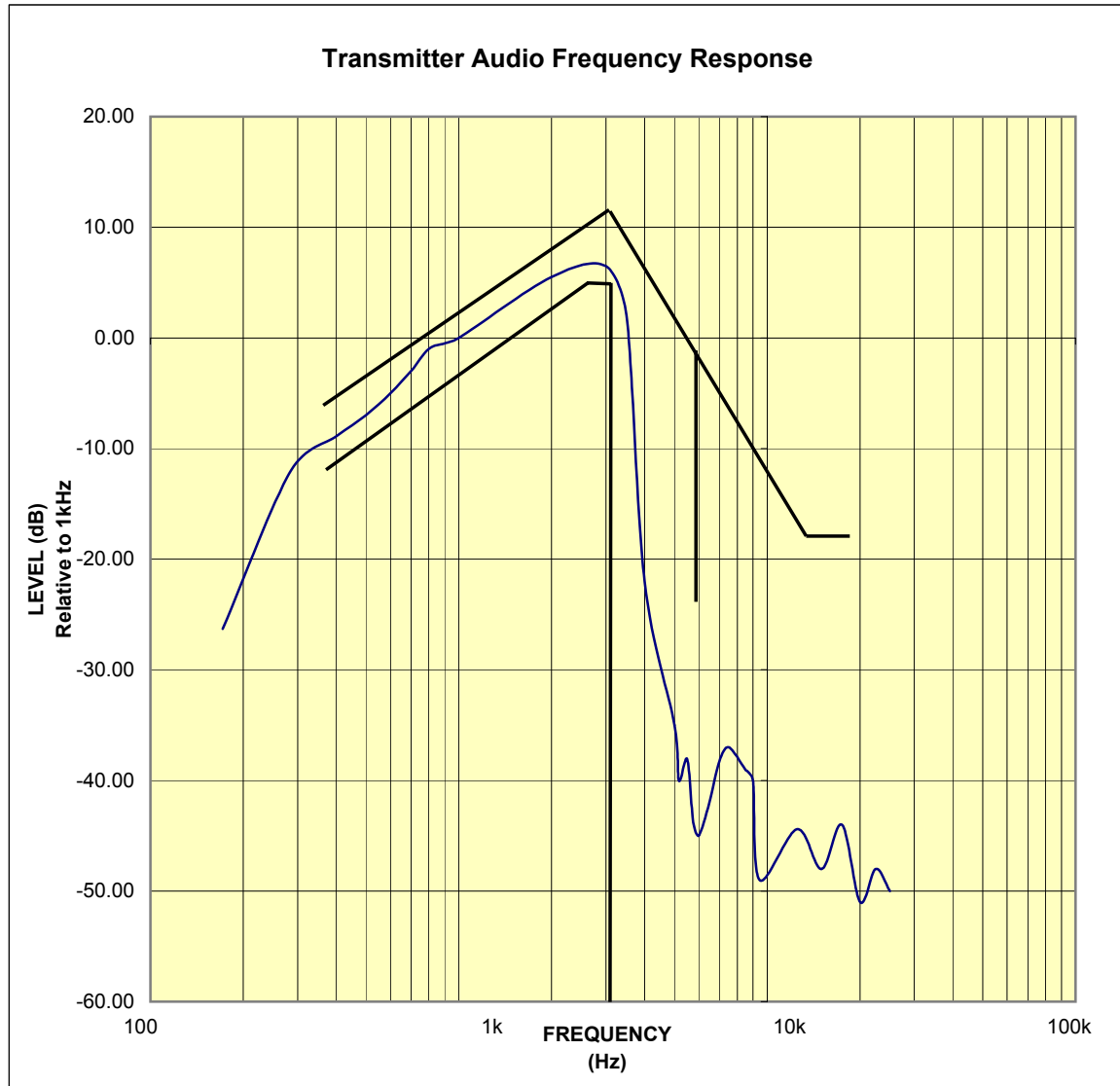
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.230117028.A3L  
Test Date: 01.27.2003

**EUT:** SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)  
**Model:** STH-N395  
**FCC ID:** A3LSTHN395

**REFERENCE:** 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone (AMPS/TDMA)  
FCC ID: A3LSTHN395