

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHN315

SAMSUNG

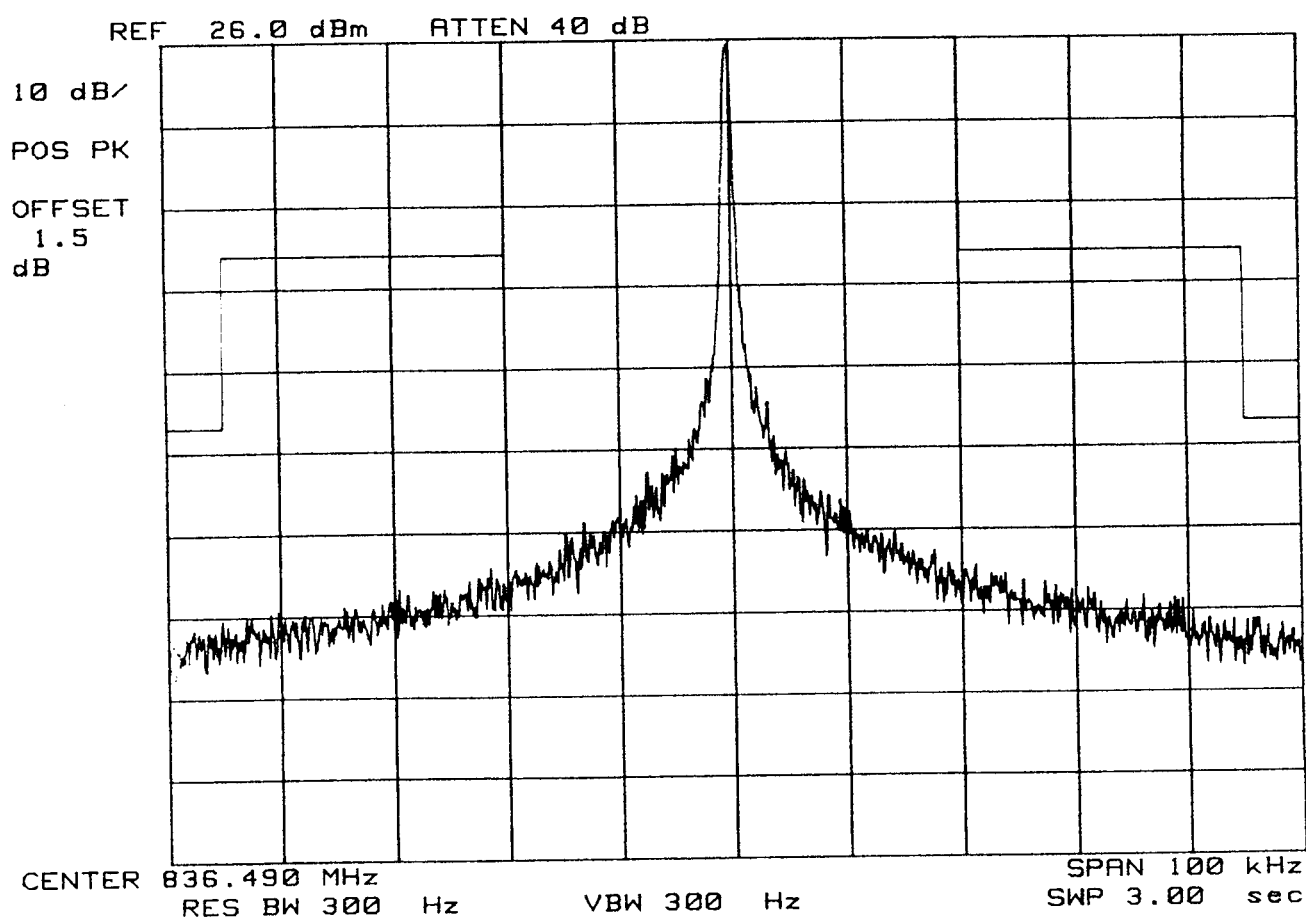
Dual-Mode Phone

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:A3LSCHN315

SAMSUNG

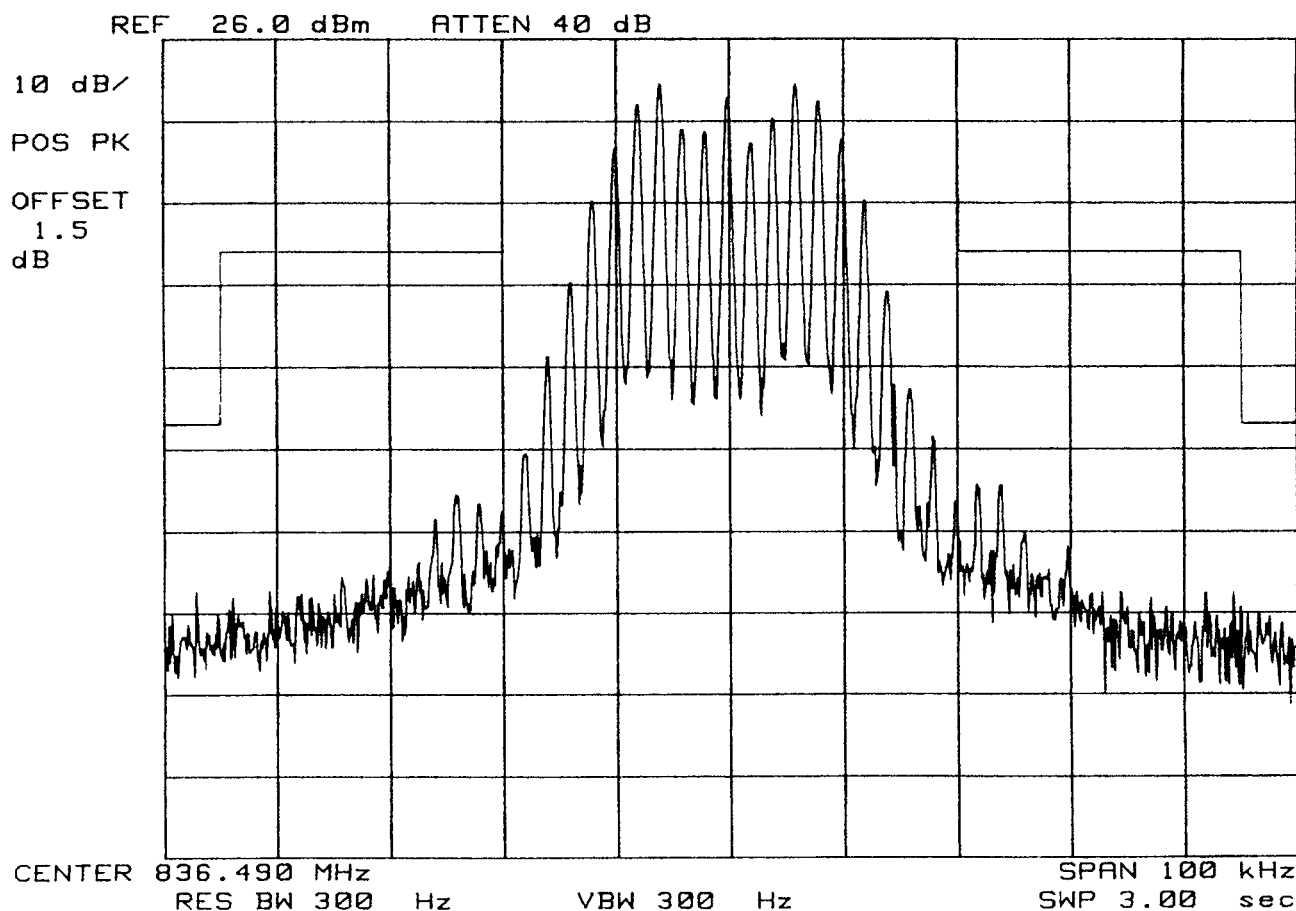
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHN315

SAMSUNG

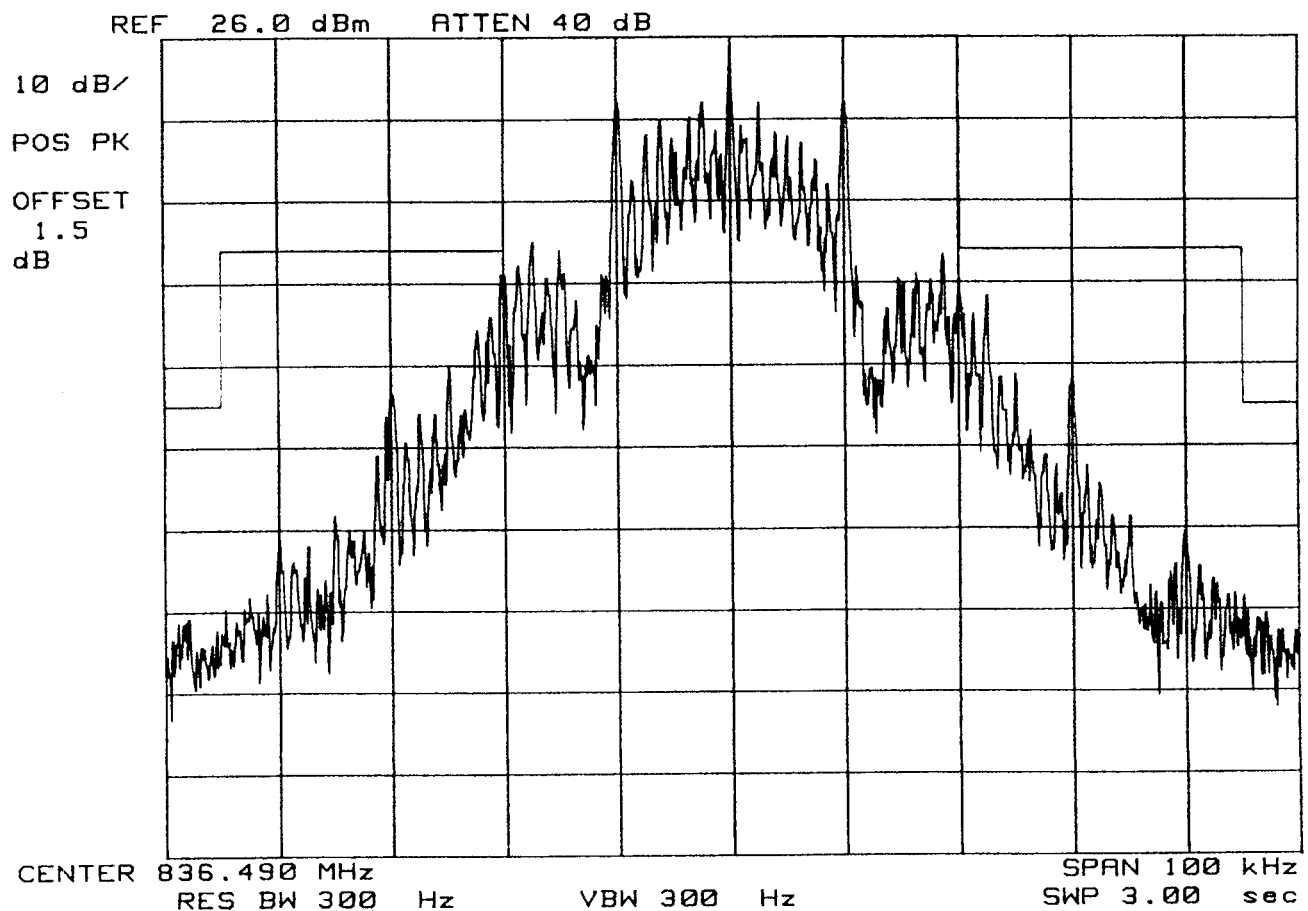
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Wide Band Data



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHN315

SAMSUNG

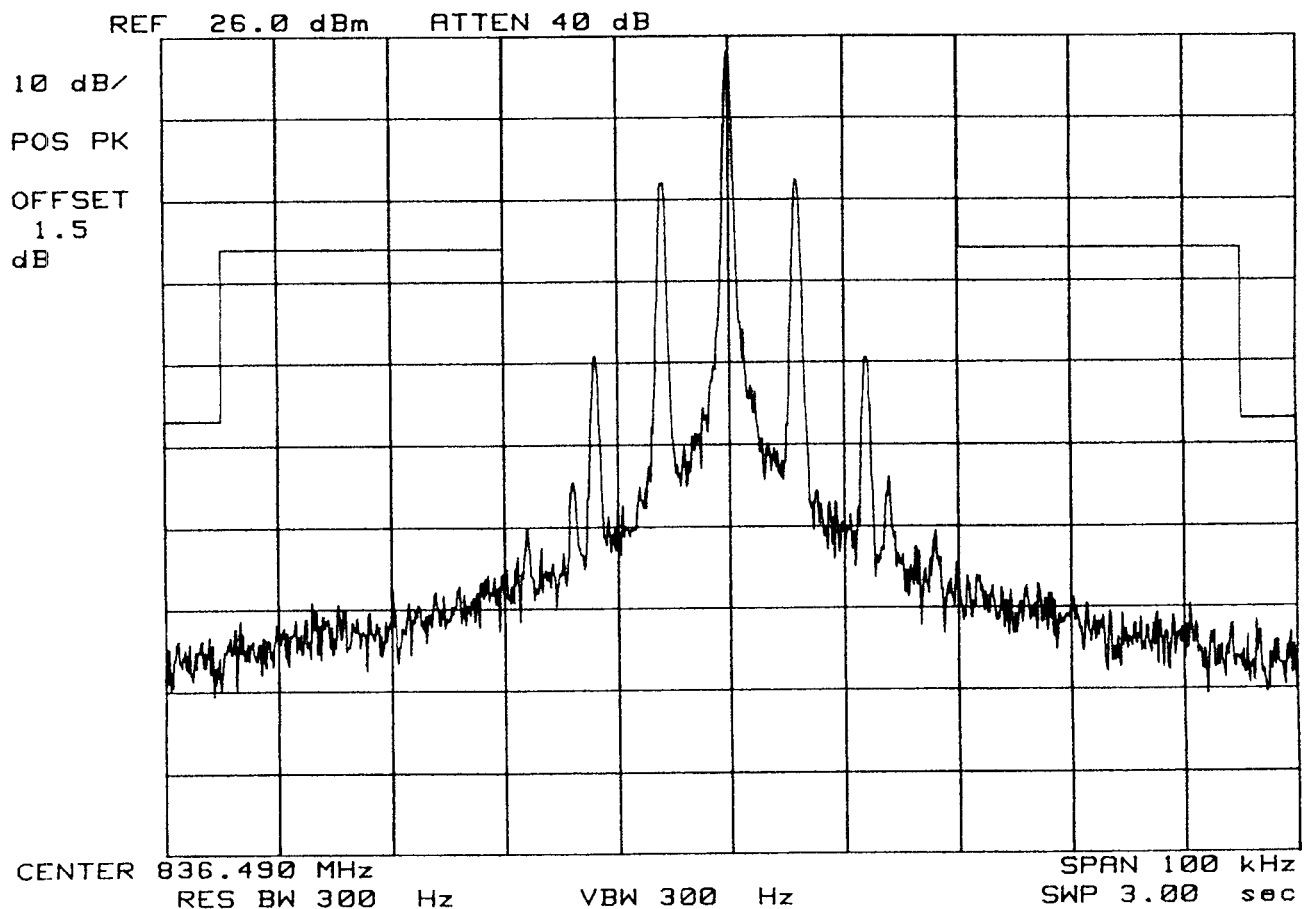
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHN315

SAMSUNG

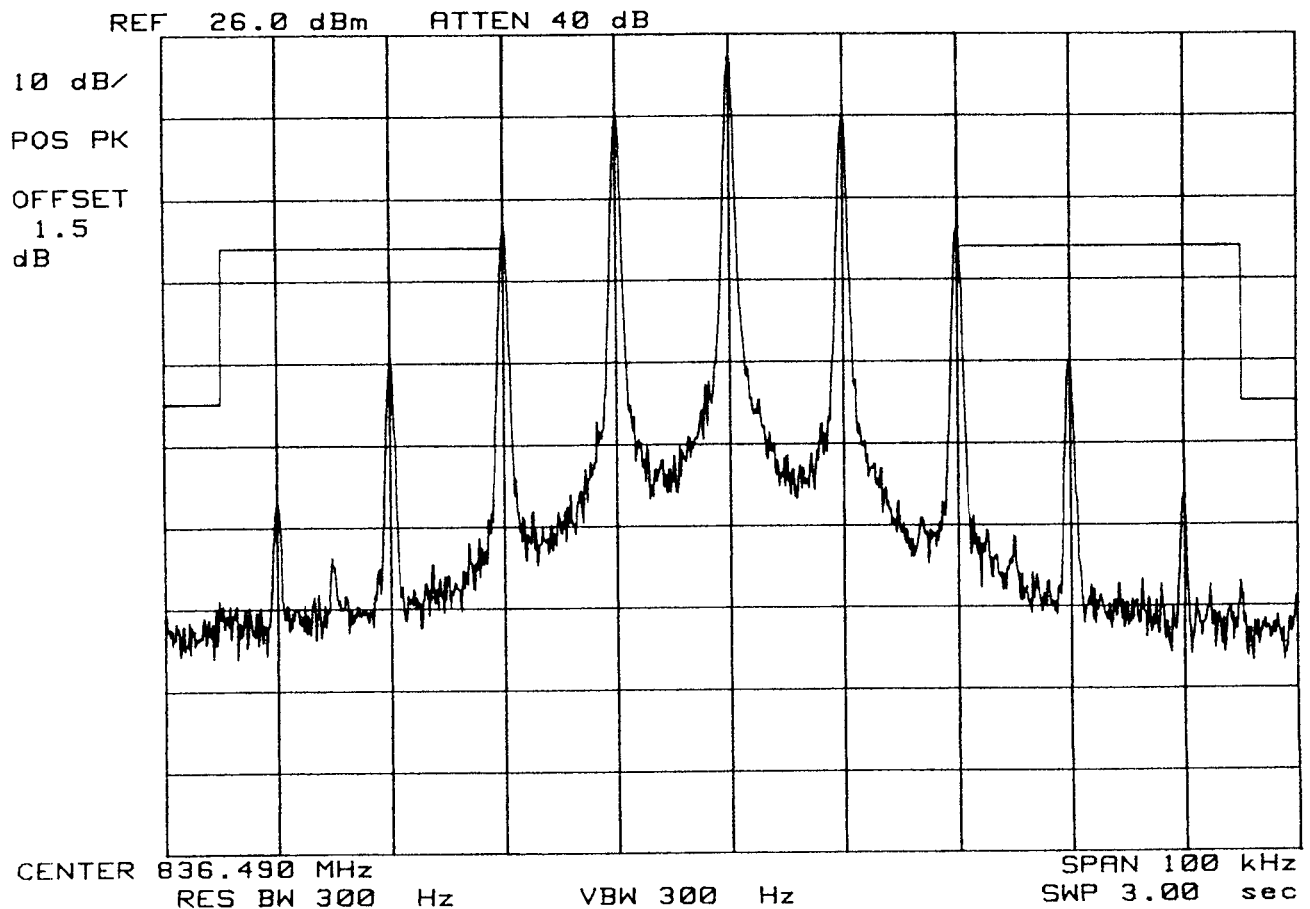
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHN315

SAMSUNG

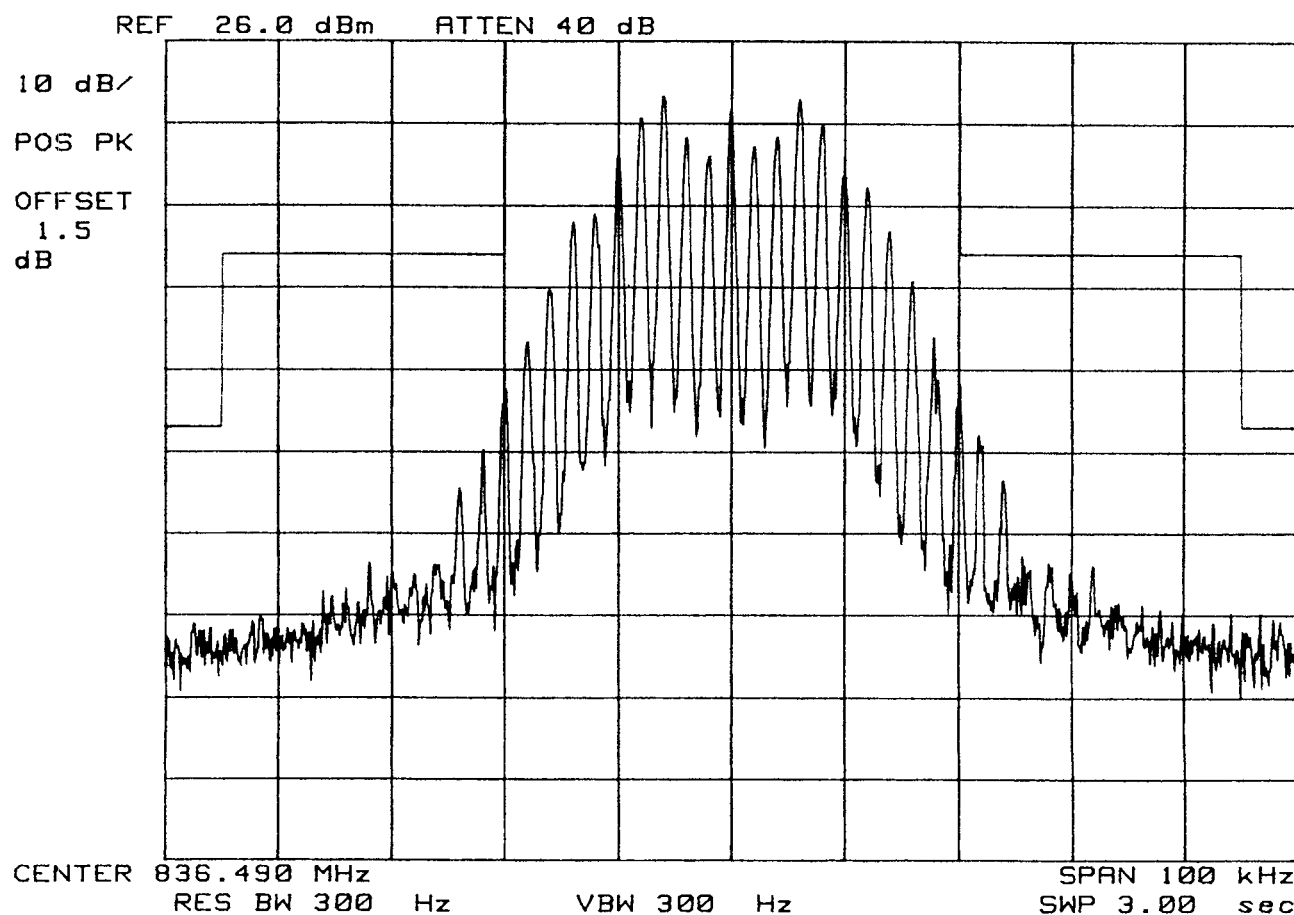
Dual-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHN315

SAMSUNG

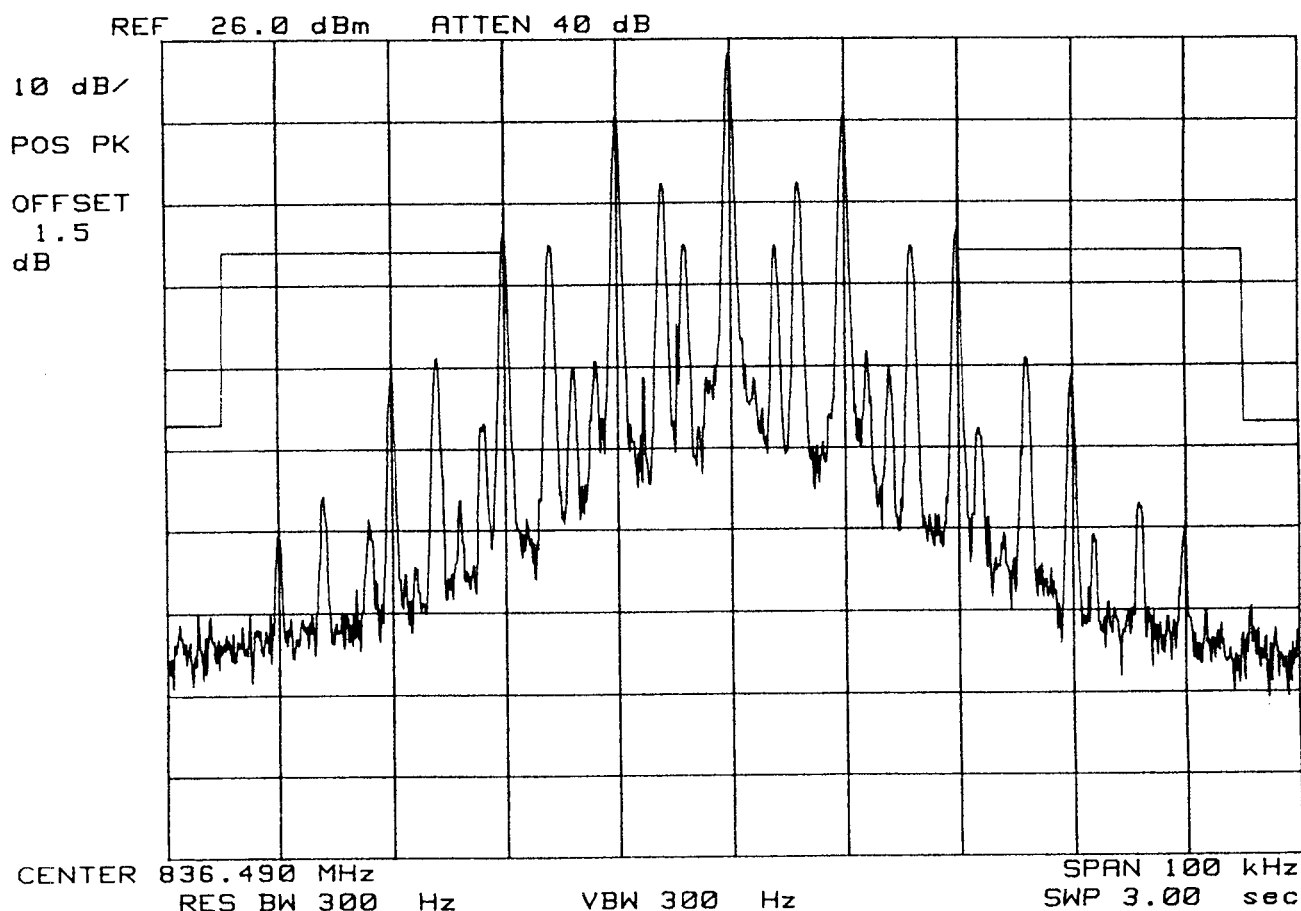
Dual-Mode Phone

FM Channel 383

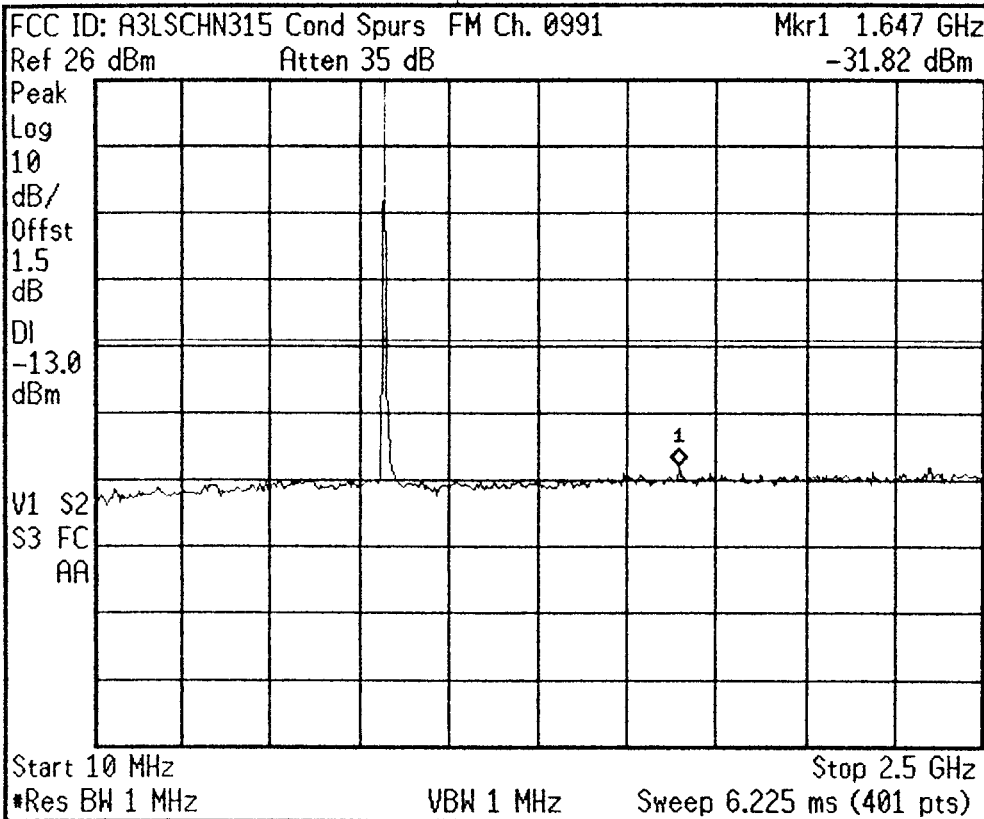
Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + ST



* Agilent 11:18:38 Sep 10, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

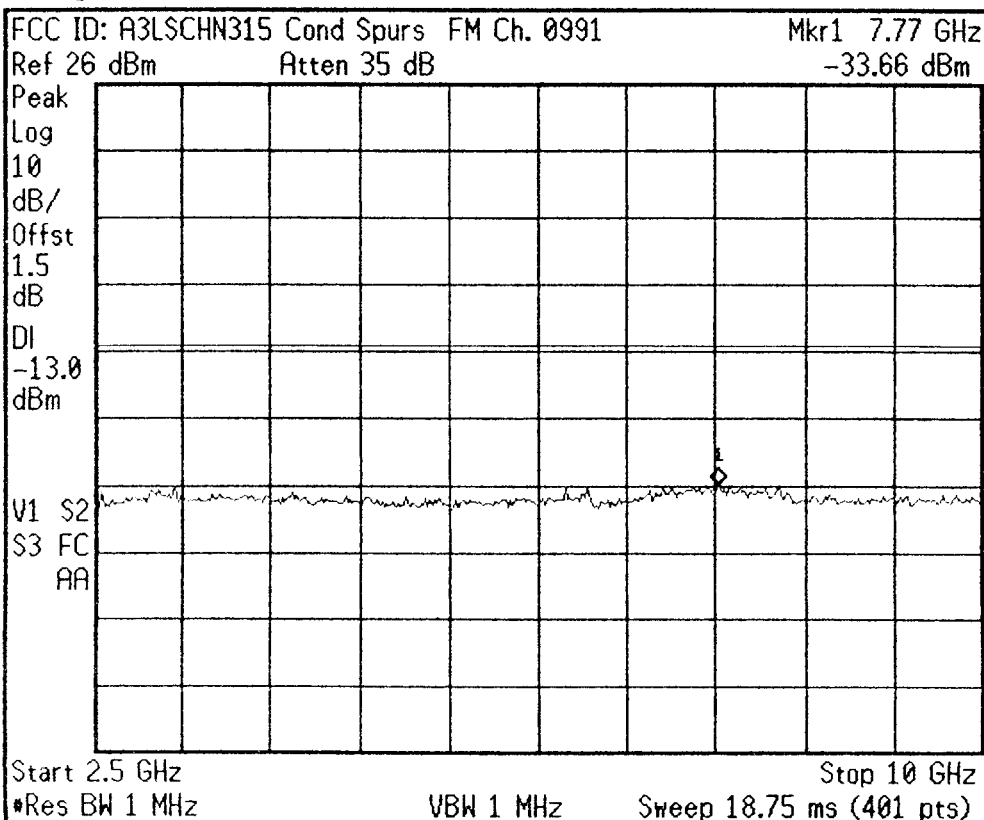
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:19:48 Sep 10, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

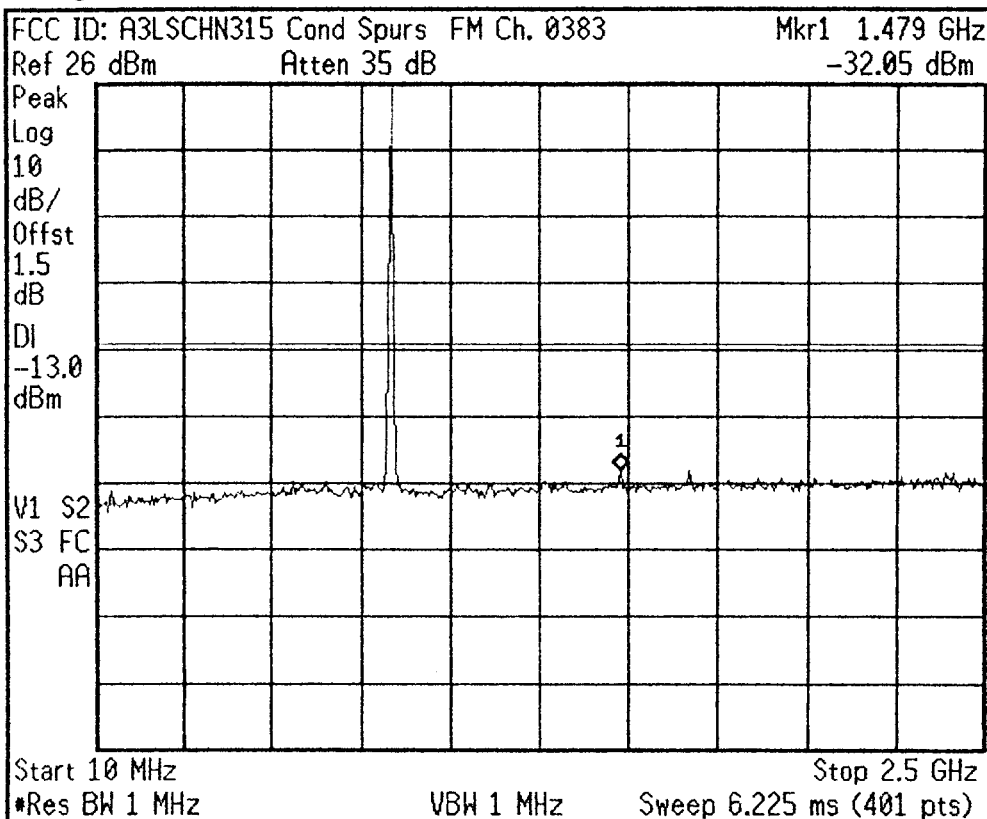
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:21:15 Sep 10, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

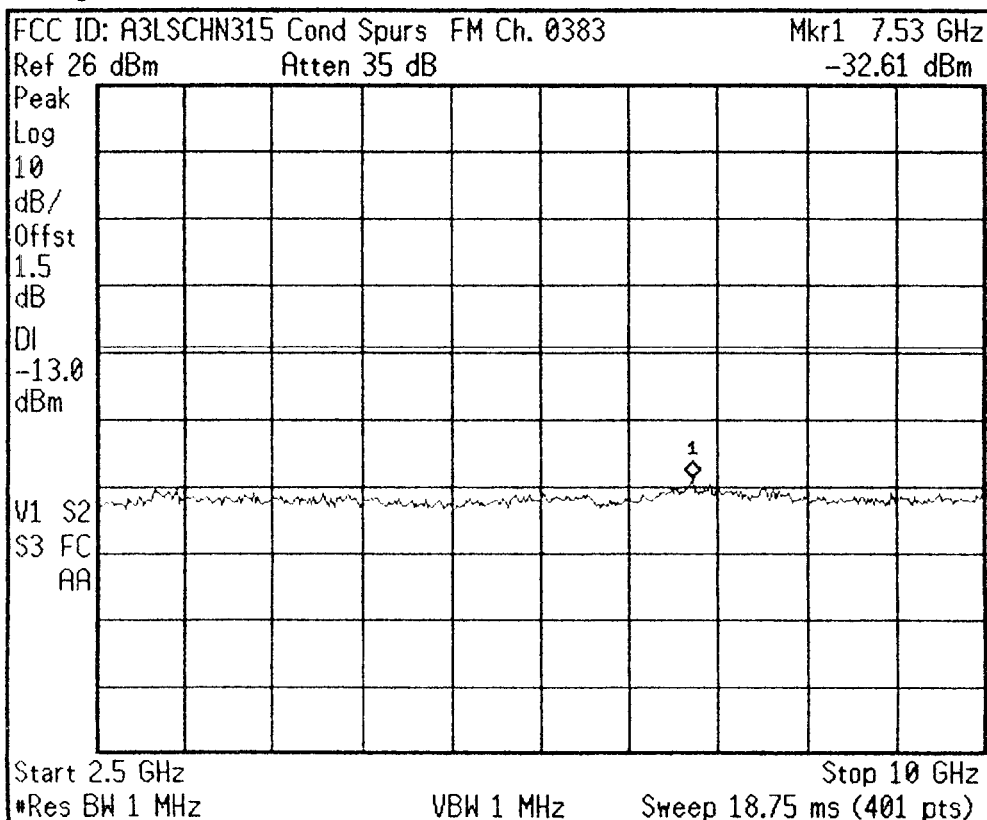
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:22:09 Sep 10, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

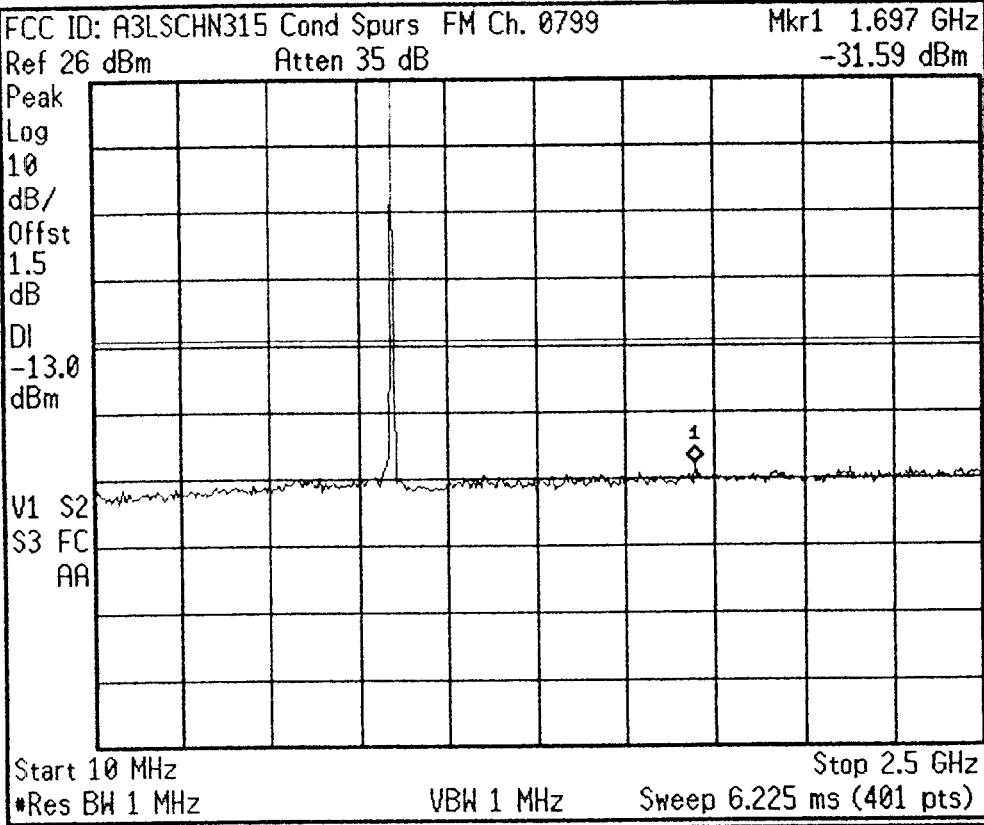
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

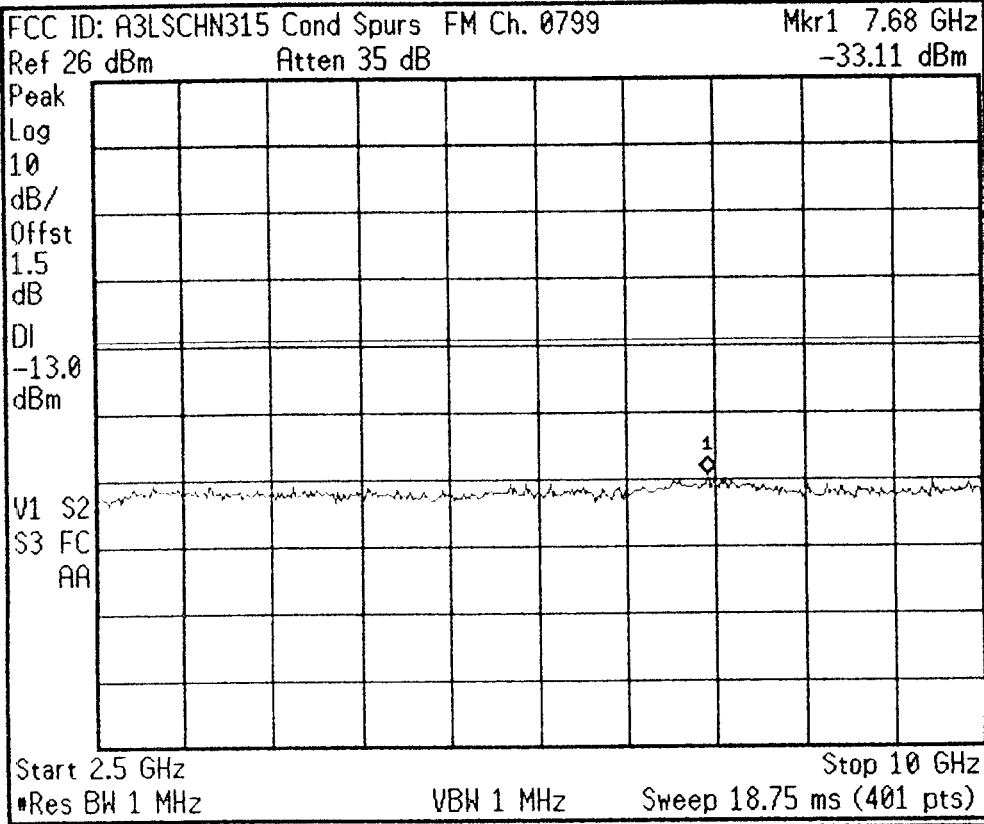
Signal Track
 On Off

* Agilent 11:24:35 Sep 10, 2001



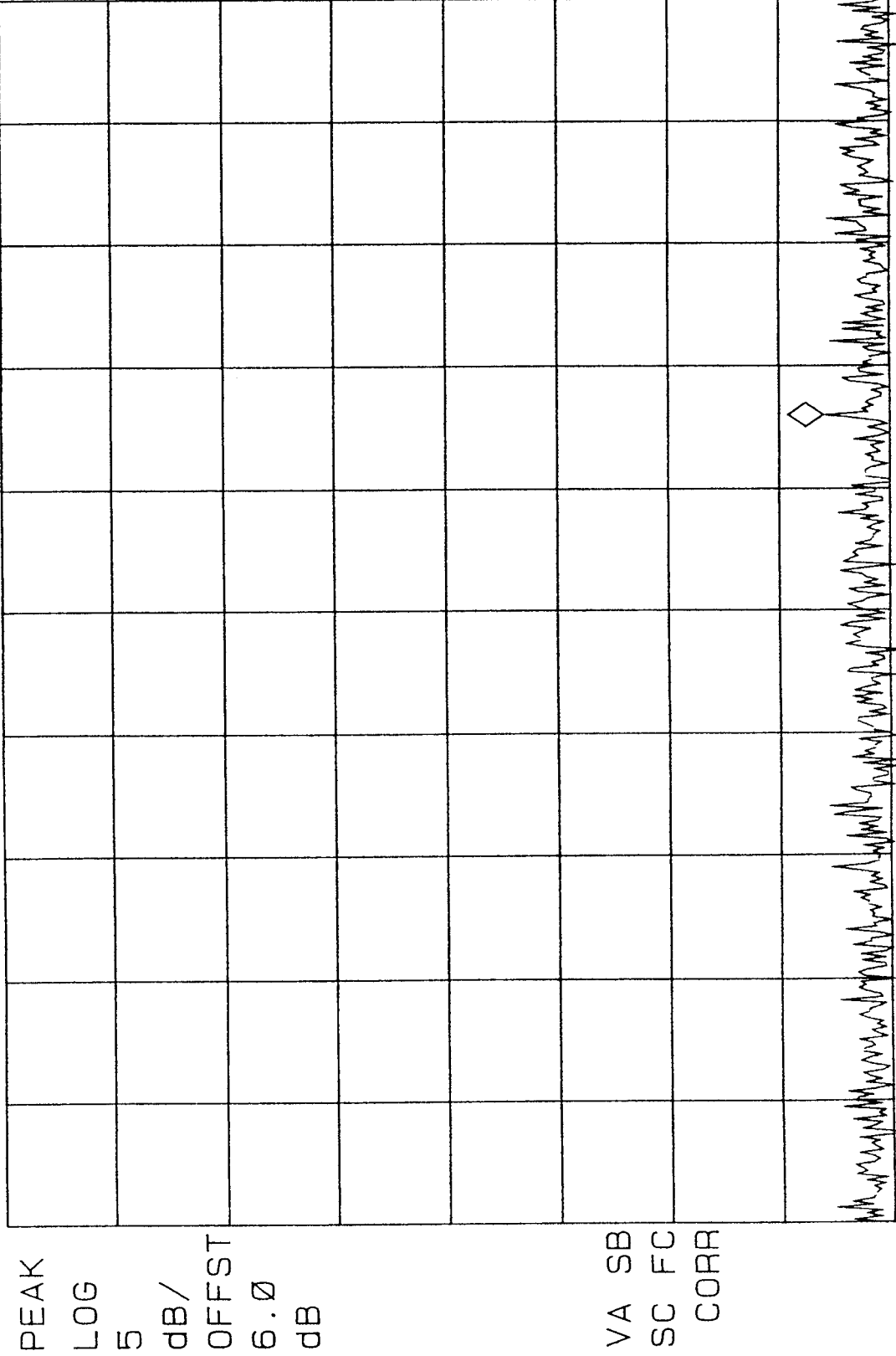
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:25:27 Sep 10, 2001



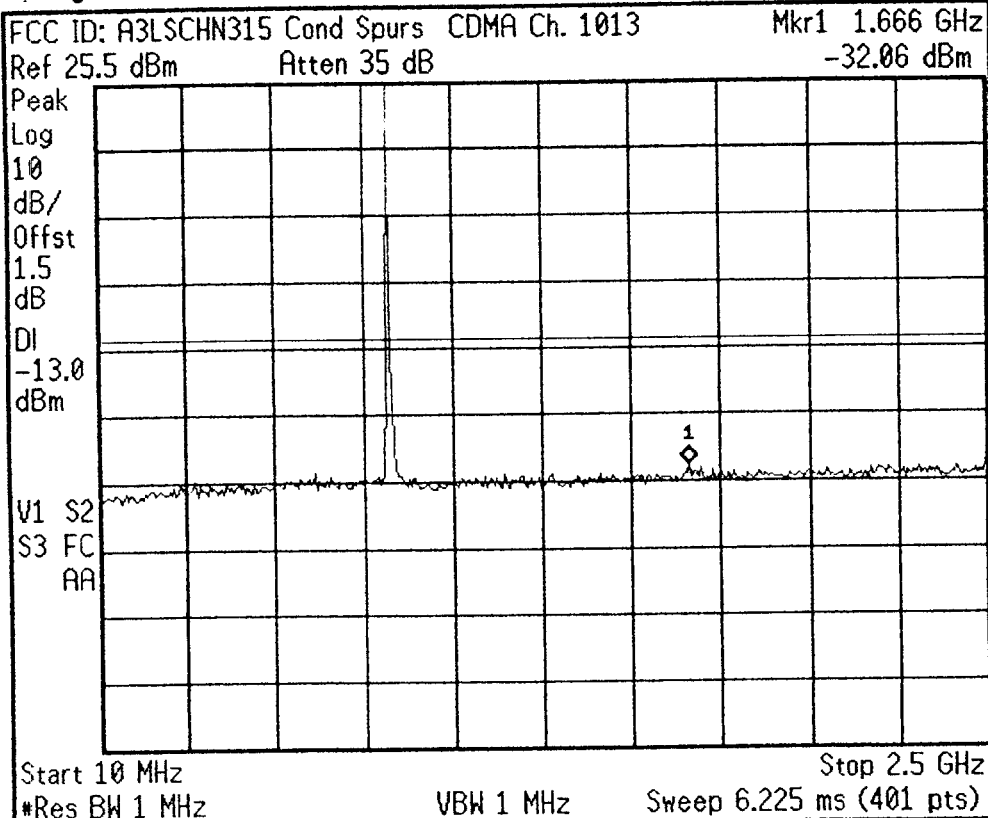
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

FCC ID: A3LSCHN315 FM MODE MKR 885.50 MHz
REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB -96.99 dBm



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

* Agilent 11:45:38 Sep 10, 2001



Freq/Channel

Center Freq

1.25500000 GHz

Start Freq

10.0000000 MHz

Stop Freq

2.50000000 GHz

CF Step

249.000000 MHz

Auto Man

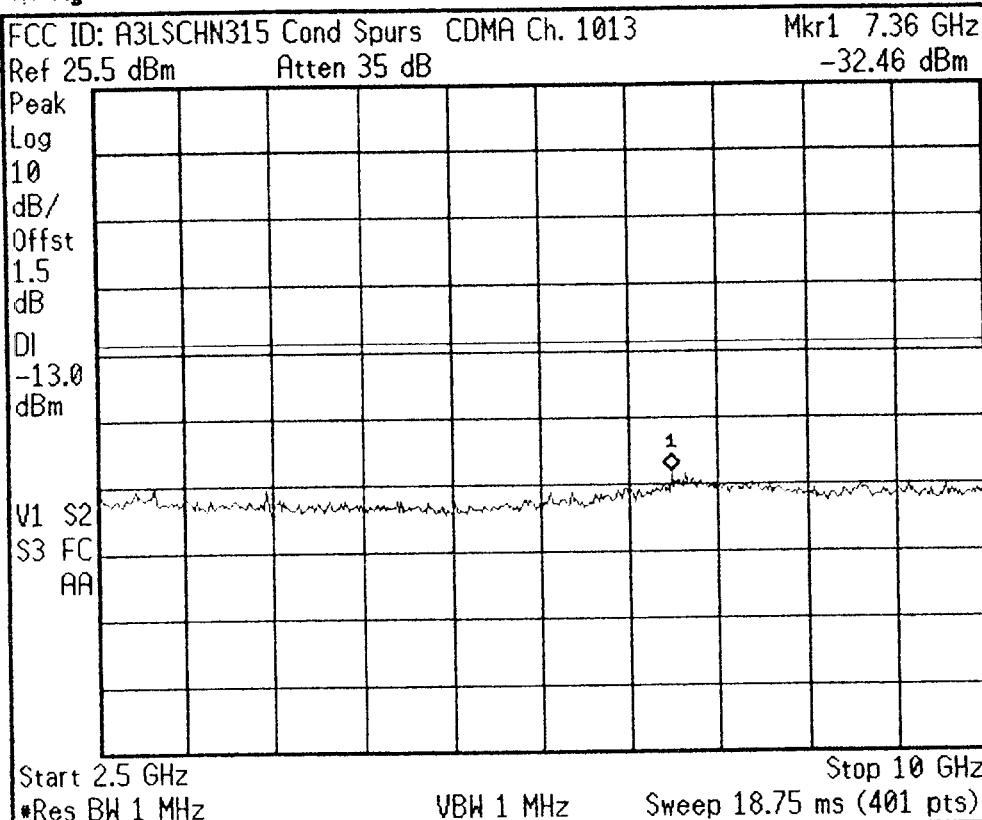
Freq Offset

0.00000000 Hz

Signal Track

On Off

* Agilent 11:47:07 Sep 10, 2001



Freq/Channel

Center Freq

6.25000000 GHz

Start Freq

2.50000000 GHz

Stop Freq

10.0000000 GHz

CF Step

750.000000 MHz

Auto Man

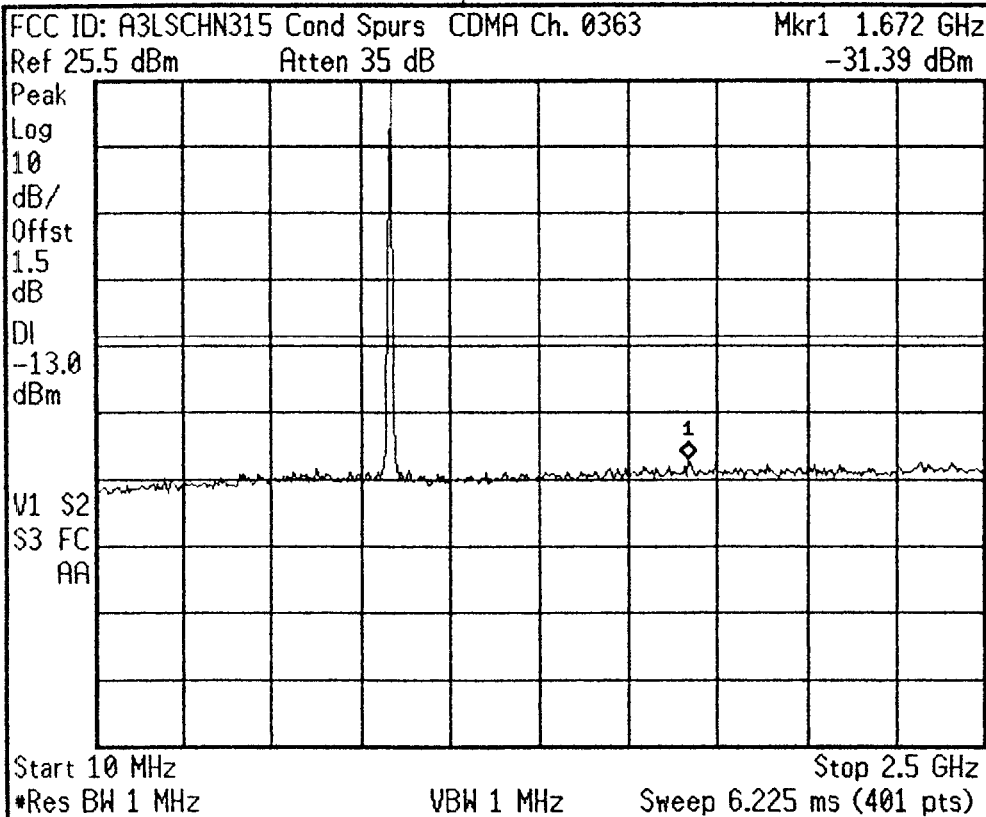
Freq Offset

0.00000000 Hz

Signal Track

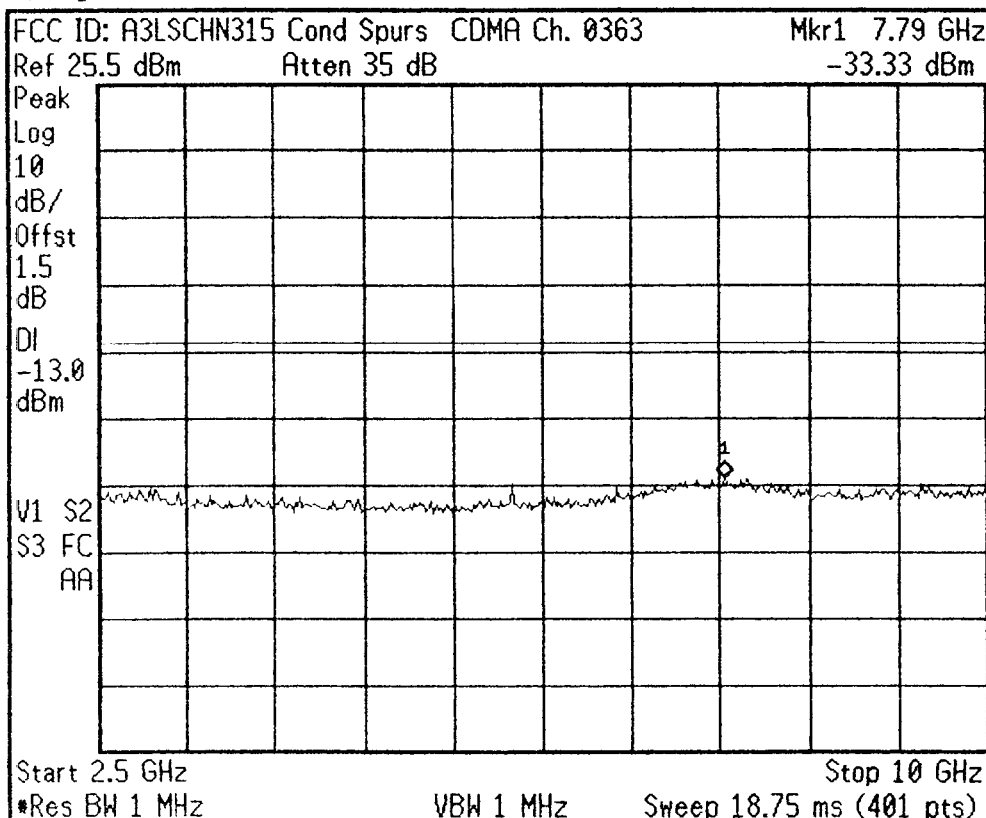
On Off

Agilent 11:50:25 Sep 10, 2001



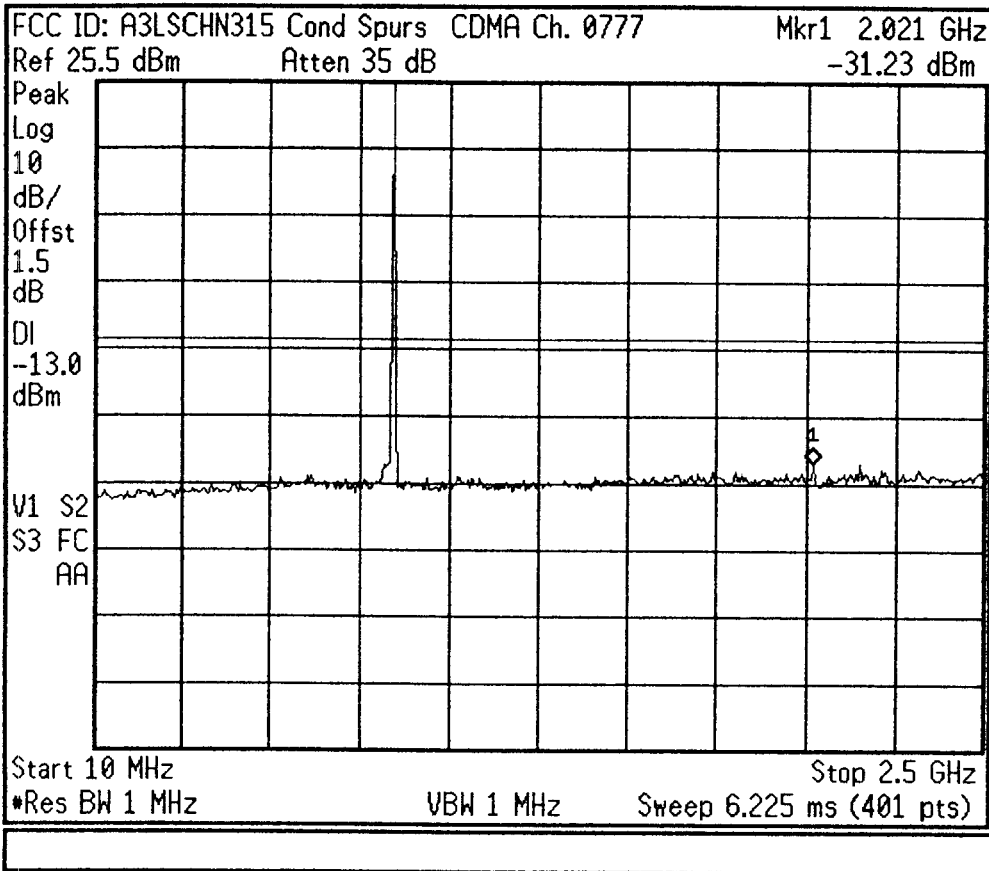
Freq/Channel	
Center Freq	1.25500000 GHz
Start Freq	10.0000000 MHz
Stop Freq	2.50000000 GHz
CF Step	249.000000 MHz Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

Agilent 11:51:24 Sep 10, 2001



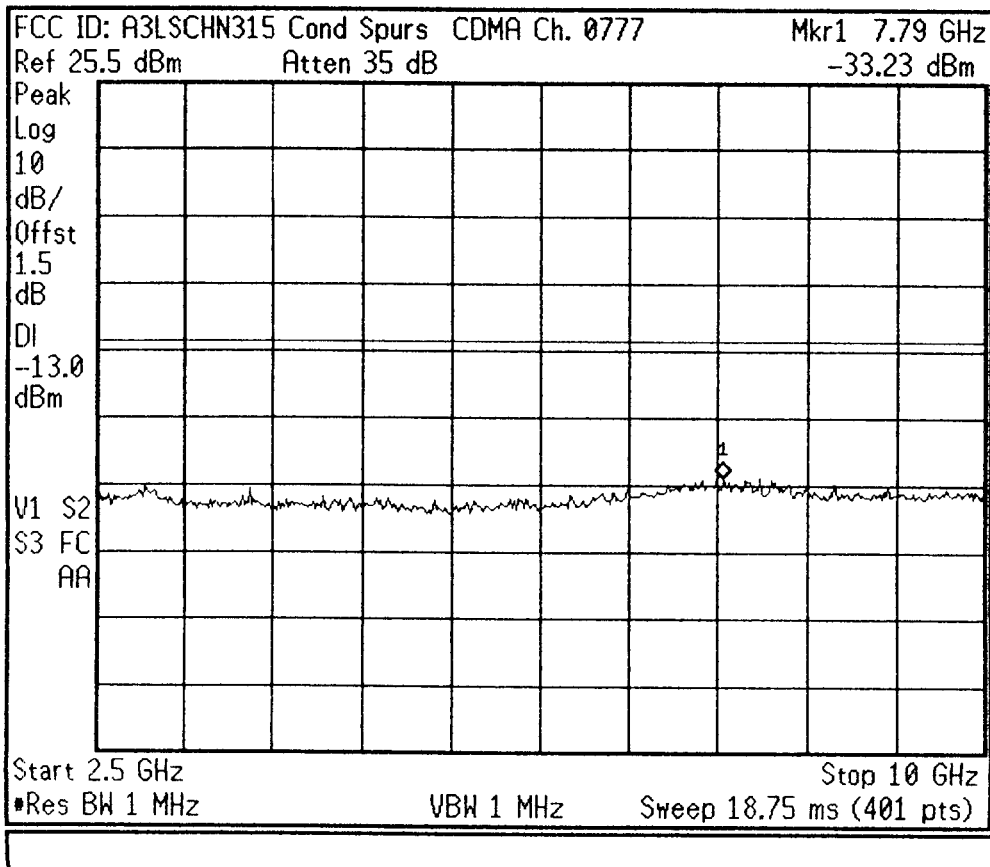
Freq/Channel	
Center Freq	6.25000000 GHz
Start Freq	2.50000000 GHz
Stop Freq	10.0000000 GHz
CF Step	750.000000 MHz Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

* Agilent 11:54:08 Sep 10, 2001



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

* Agilent 11:54:46 Sep 10, 2001



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

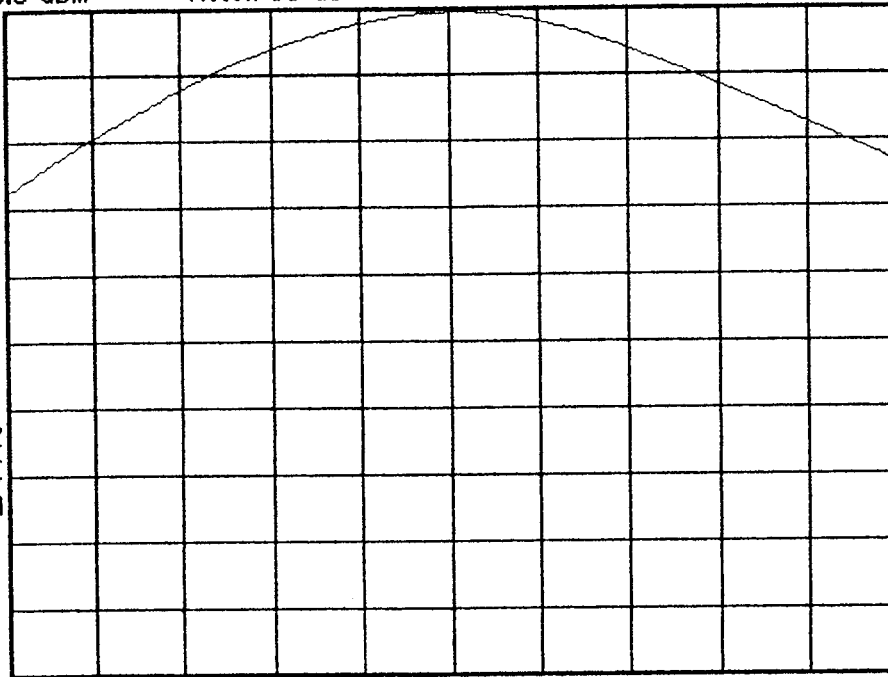
* Agilent 12:00:24 Sep 10, 2001

FCC ID: A3LSCHN315 POWER OUT CDMA Ch. 1013

Ref 25.5 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1.5
dB

V1 S2
S3 FC
AA



Center 824.7 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 ms (401 pts)

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

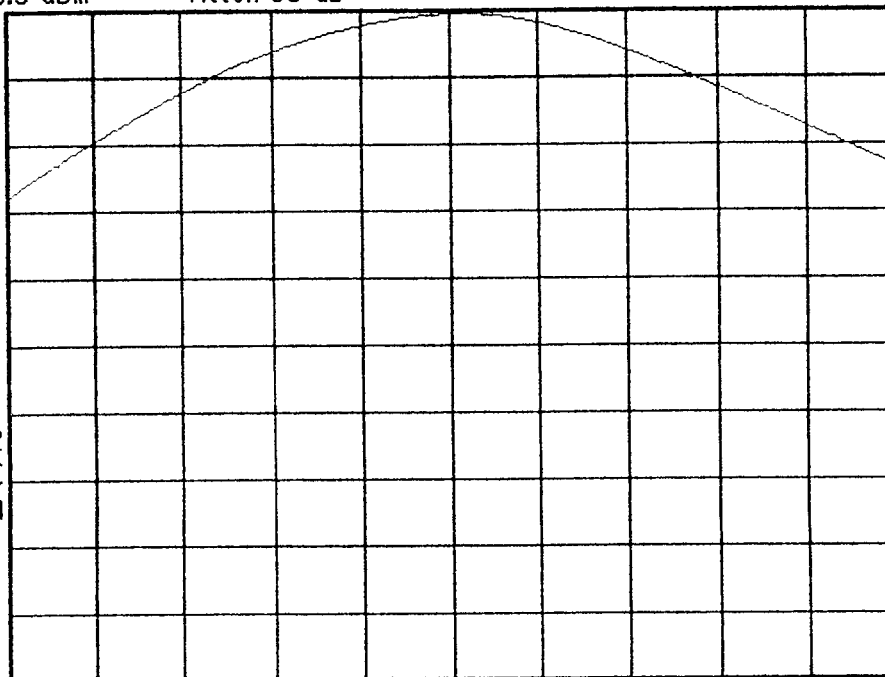
* Agilent 12:02:05 Sep 10, 2001

FCC ID: A3LSCHN315 POWER OUT CDMA Ch. 0777

Ref 25.5 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1.5
dB

V1 S2
S3 FC
AA



Center 848.3 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 ms (401 pts)

Freq/Channel

Center Freq
848.300000 MHz

Start Freq
843.300000 MHz

Stop Freq
853.300000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

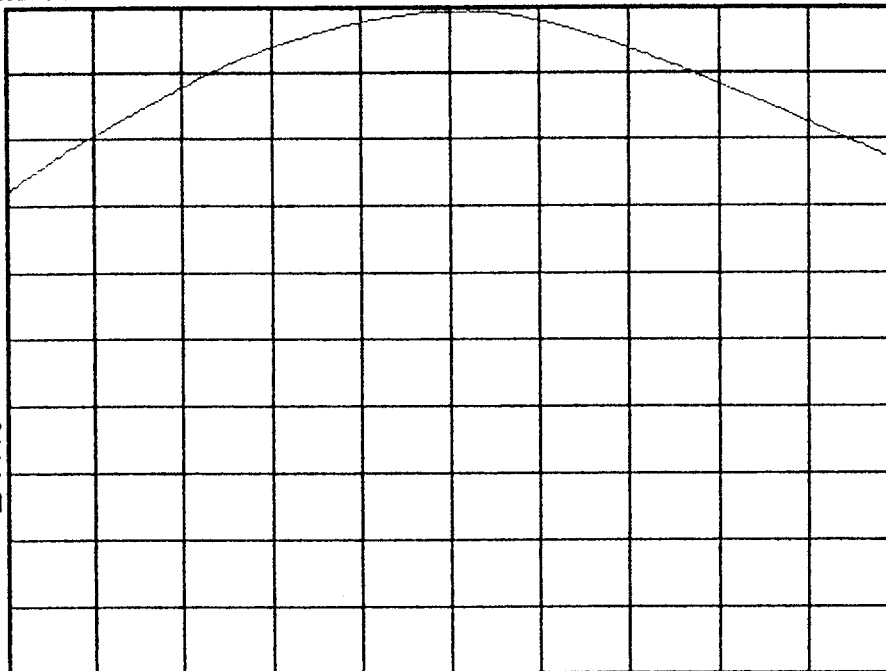
Agilent 12:04:53 Sep 10, 2001

FCC ID: A3LSCHN315 POWER OUT CDMA Ch. 0363

Ref 25.5 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1.5
dB

V1 S2
S3 FC
AA



Center 835.9 MHz

Span 10 MHz

•Res BW 3 MHz

VBW 3 MHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq
835.900000 MHz

Start Freq
830.900000 MHz

Stop Freq
840.900000 MHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

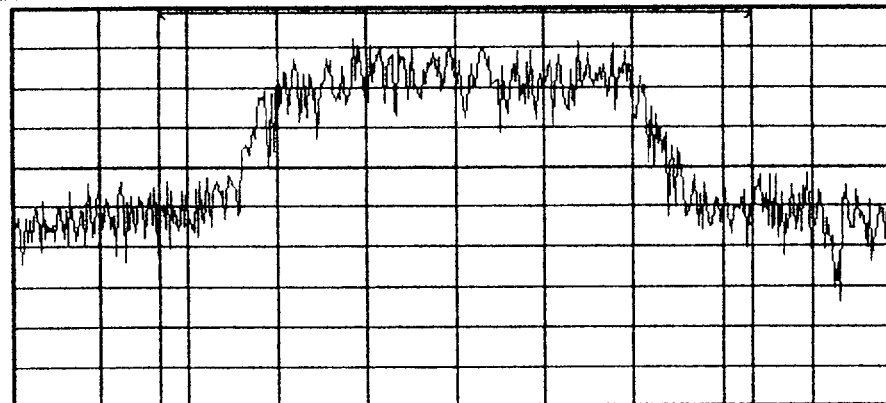
Signal Track
On Off

Agilent 12:07:24 Sep 10, 2001

FCC ID: A3LSCHN315 POWER OUT CDMA Ch. 0363

Ref 25.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB



Center 835.9 MHz

Span 3 MHz

•Res BW 30 kHz

•VBW 300 kHz

Sweep 9.167 ms (401 pts)

Freq/Channel

Center Freq
835.900000 MHz

Start Freq
834.400000 MHz

Stop Freq
837.400000 MHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Channel Power Results (idle)

Channel Power
25.52 dBm

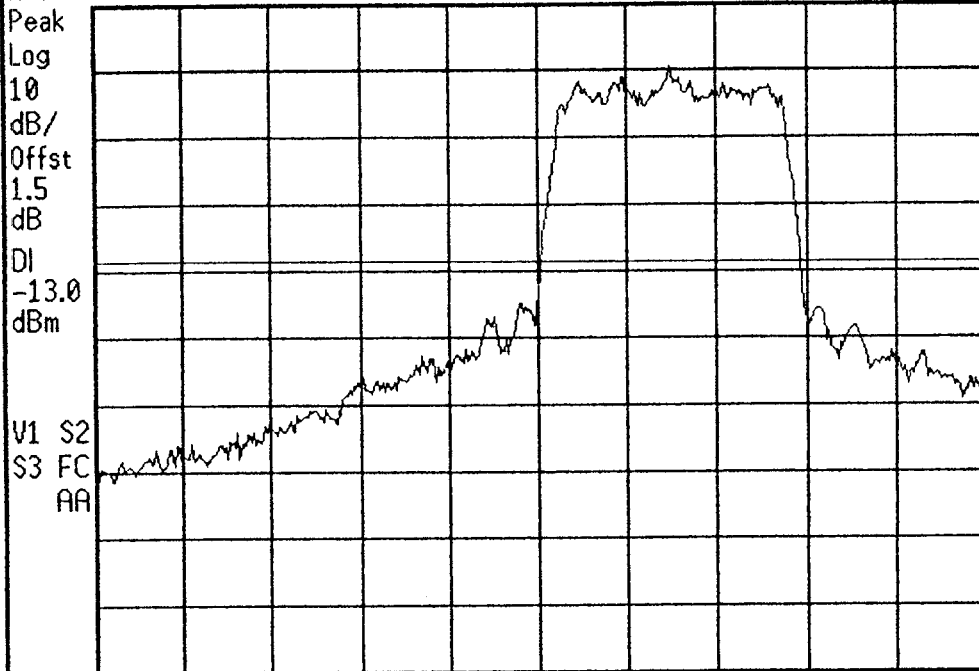
Integration BW 2.000 MHz

Density -37.49 dBm/Hz

Agilent 12:13:26 Sep 10, 2001

FCC ID: A3LSCHN315 BAND EDGE CDMA Ch. 1013

Ref 25.5 dBm Atten 35 dB



Center 824 MHz Span 5 MHz
 *Res BW 30 kHz VBW 30 kHz Sweep 13.89 ms (401 pts)

Freq/Channel

Center Freq
824.000000 MHz

Start Freq
821.500000 MHz

Stop Freq
826.500000 MHz

CF Step
500.000000 kHz
Auto Man

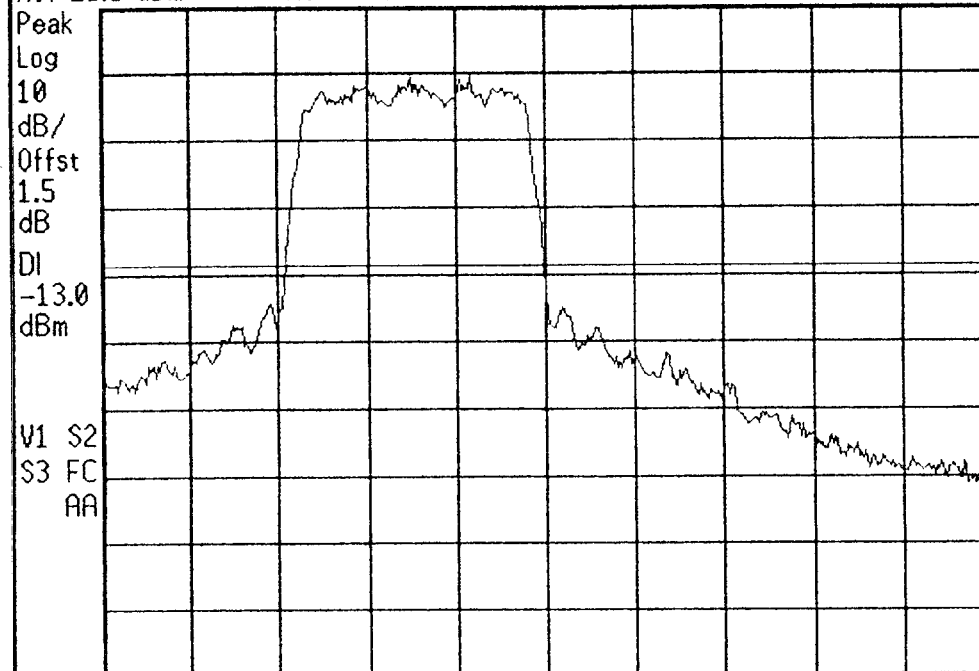
Freq Offset
0.00000000 Hz

Signal Track
On Off

Agilent 12:14:25 Sep 10, 2001

FCC ID: A3LSCHN315 BAND EDGE CDMA Ch. 0777

Ref 25.5 dBm Atten 35 dB



Center 849 MHz Span 5 MHz
 *Res BW 30 kHz VBW 30 kHz Sweep 13.89 ms (401 pts)

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

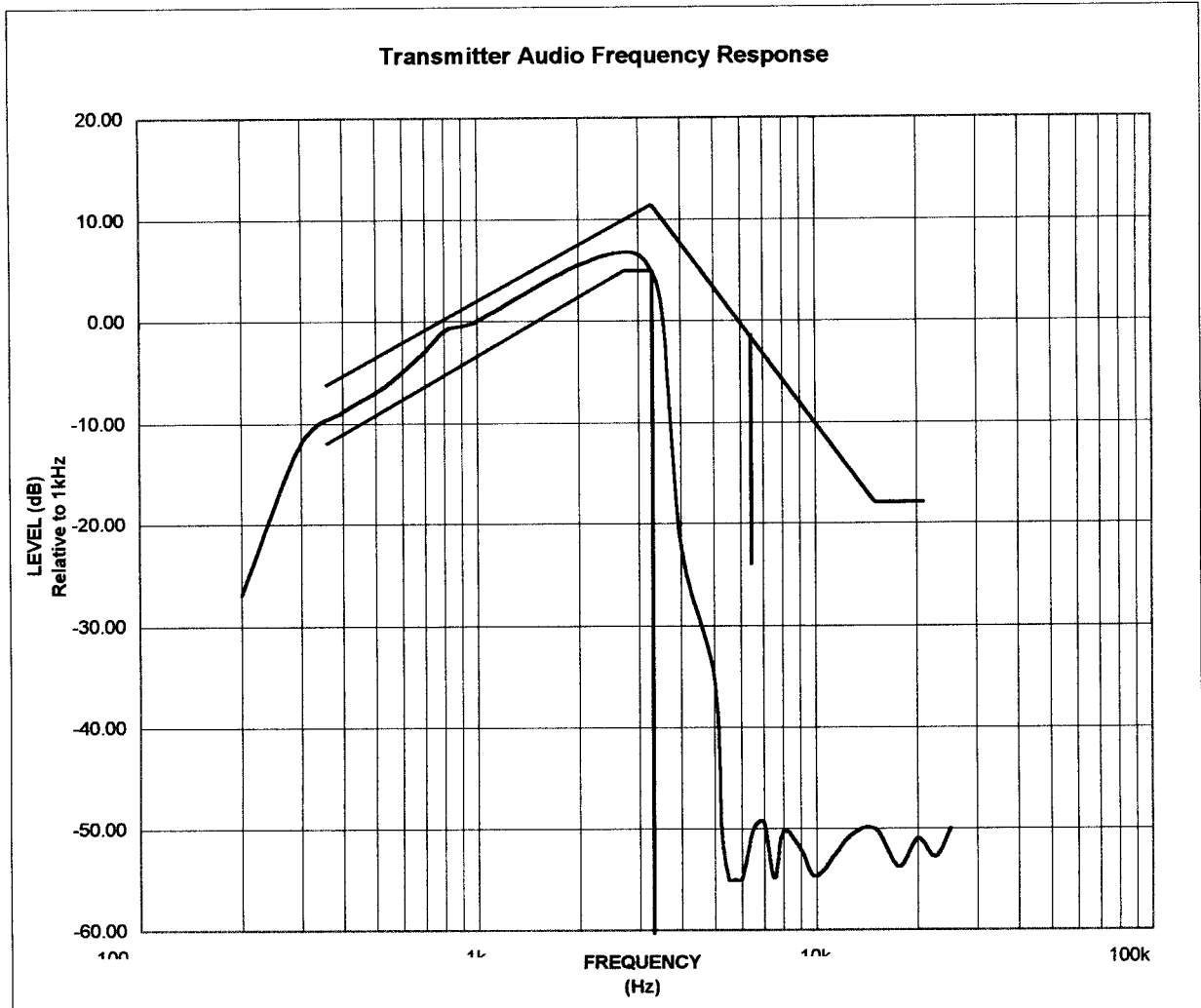
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22.210904530.A3L
Test Date: 09.04.2001

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)
Model: SCH-N315
FCC ID: A3LSCHN315

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone(AMPS/CDMA)
FCC ID: A3LSCHN315

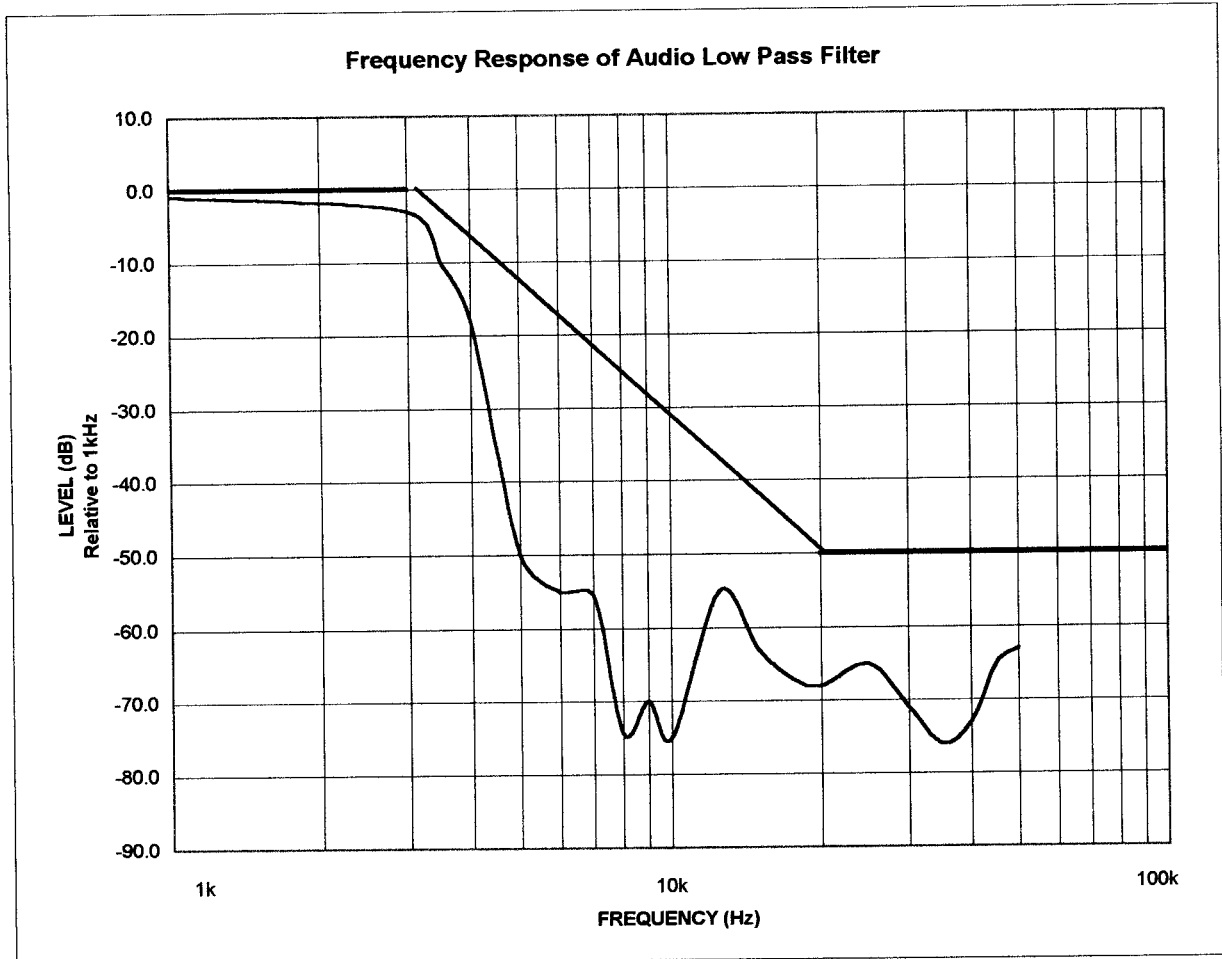
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22.210904530.A3L
Test Date: 09.04.2001

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)
Model: SCH-N315
FCC ID: A3LSCHN315

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone(AMPS/CDMA)
FCC ID: A3LSCHN315

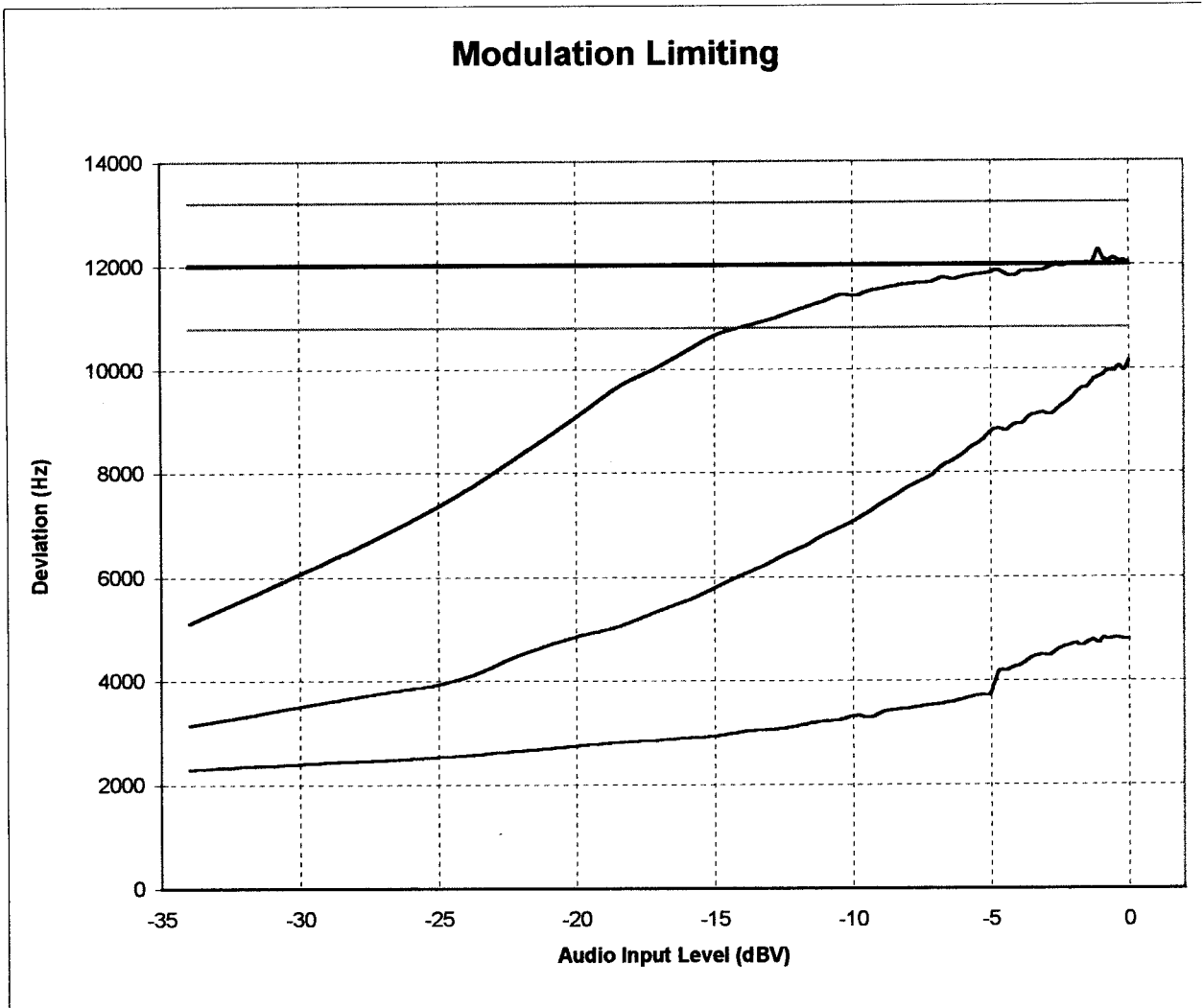
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.210904530.A3L
Test Date: 09.04.2001

EUT: SAMSUNG Dual-Mode Cellular Phone (AMPS/CDMA)
Model: SCH-N315
FCC ID: A3LSCHN315

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual-Mode Cellular Phone(AMPS/CDMA)
FCC ID: A3LSCHN315