

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: K112

FLEXTRONICS

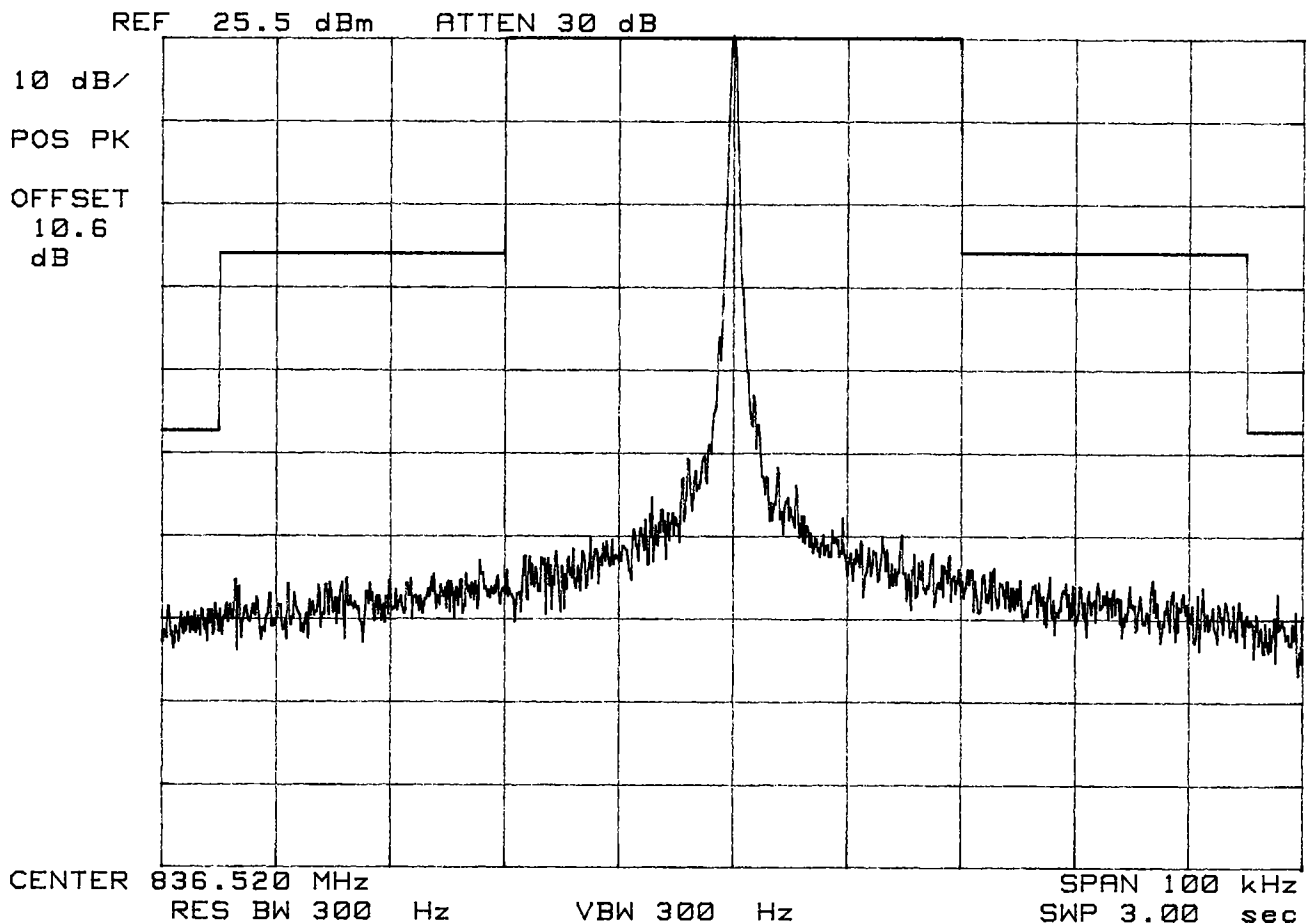
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: K112

FLEXTRONICS

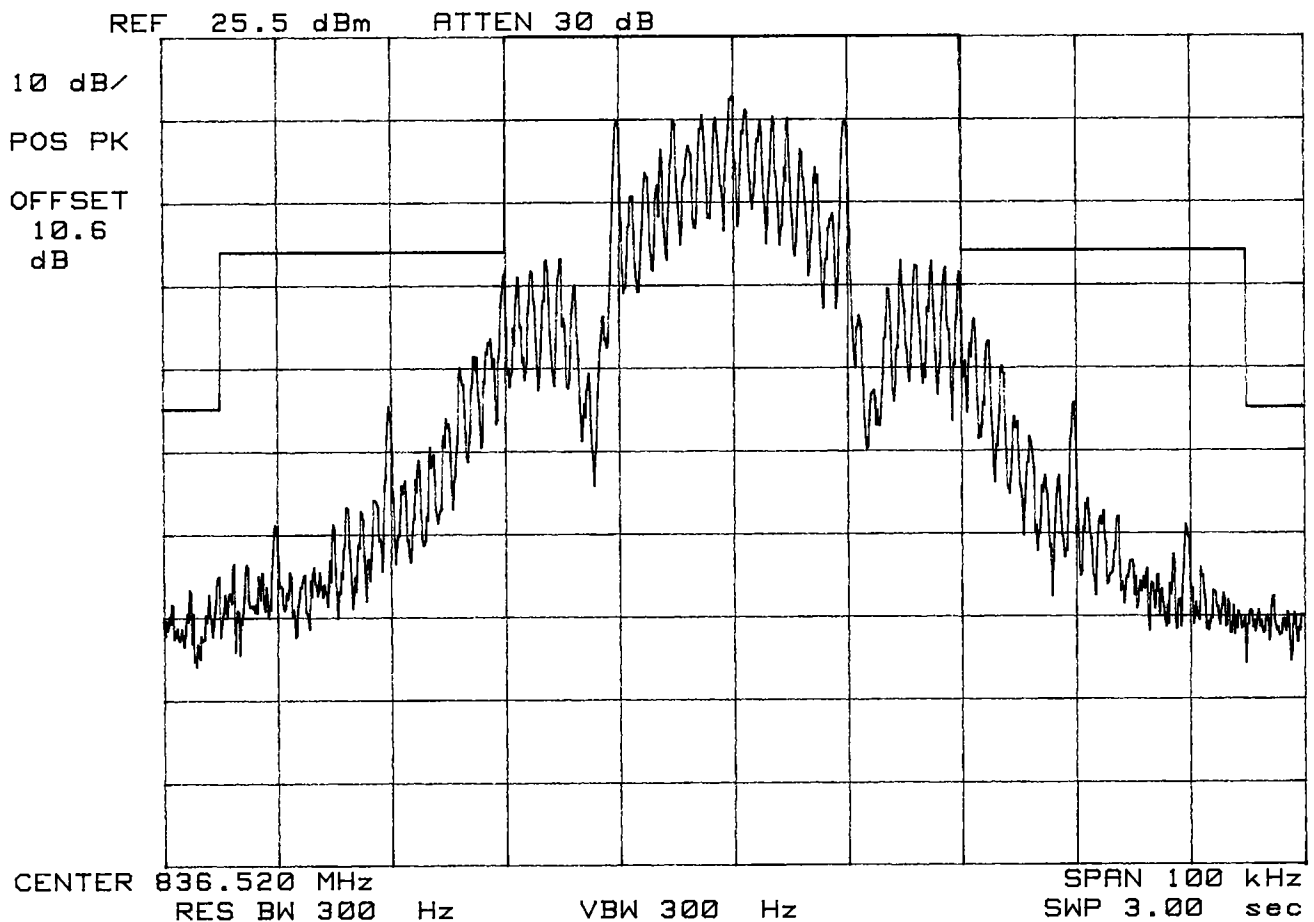
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: K112

FLEXTRONICS

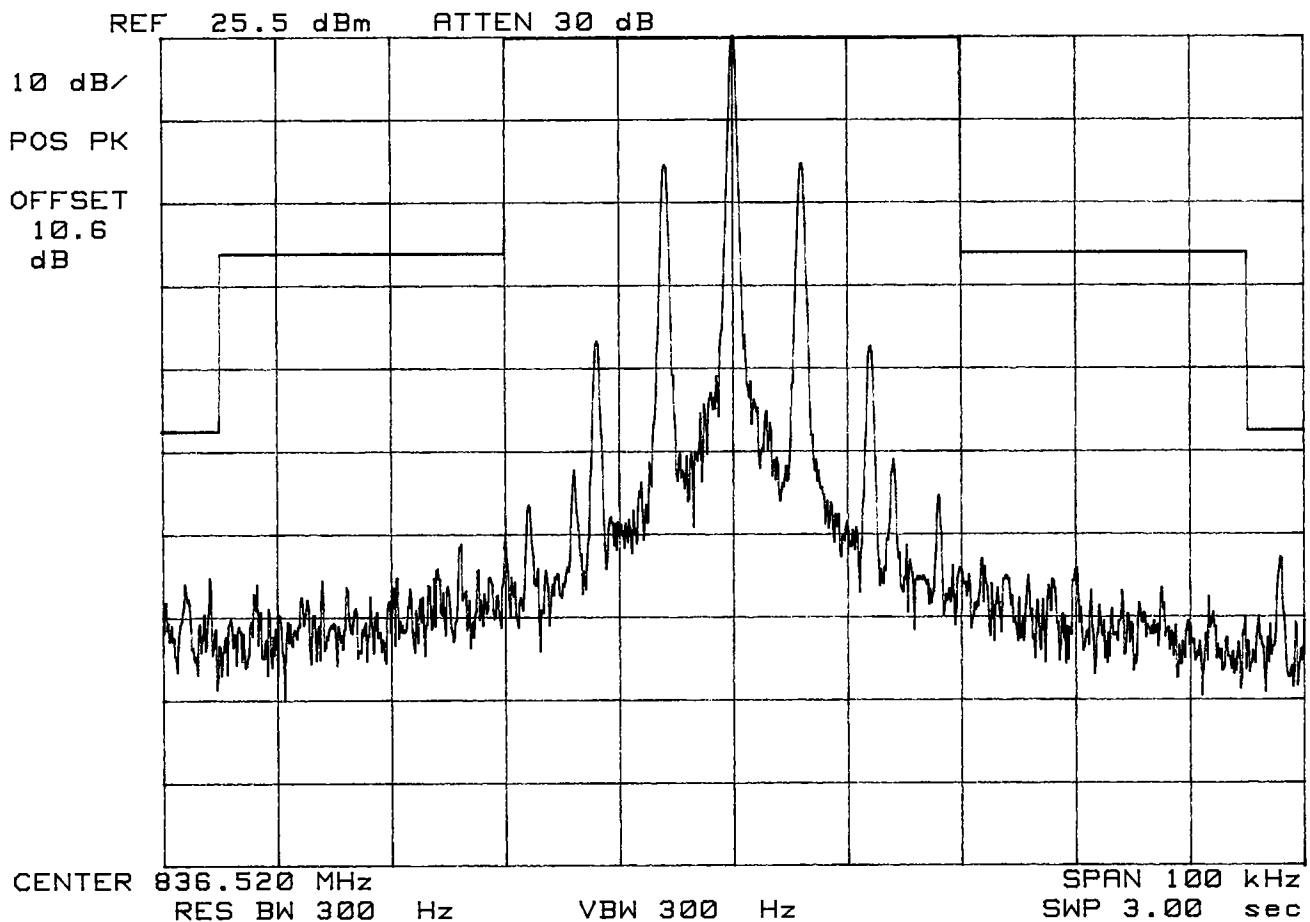
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: K112

FLEXTRONICS

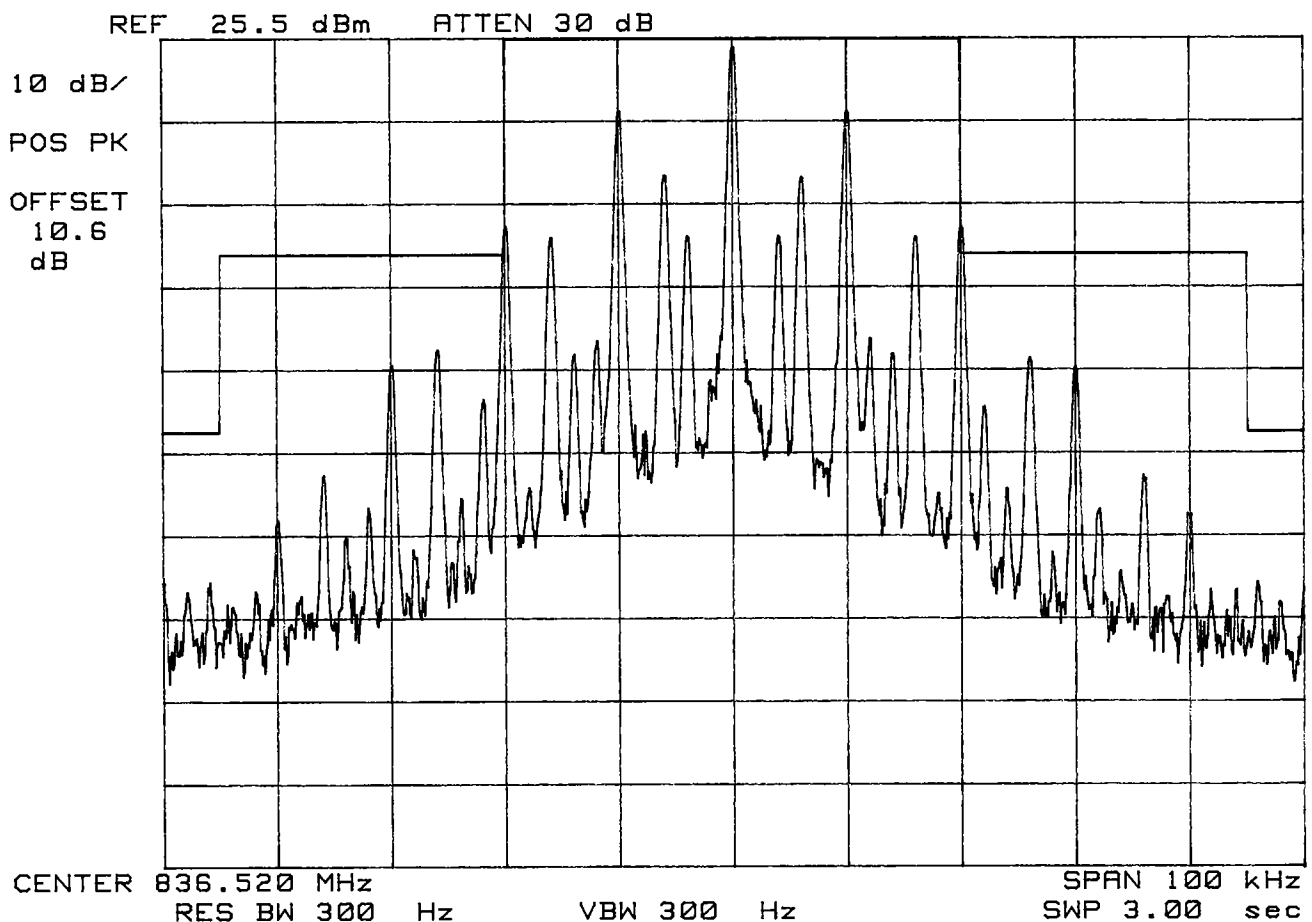
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: K112

FLEXTRONICS

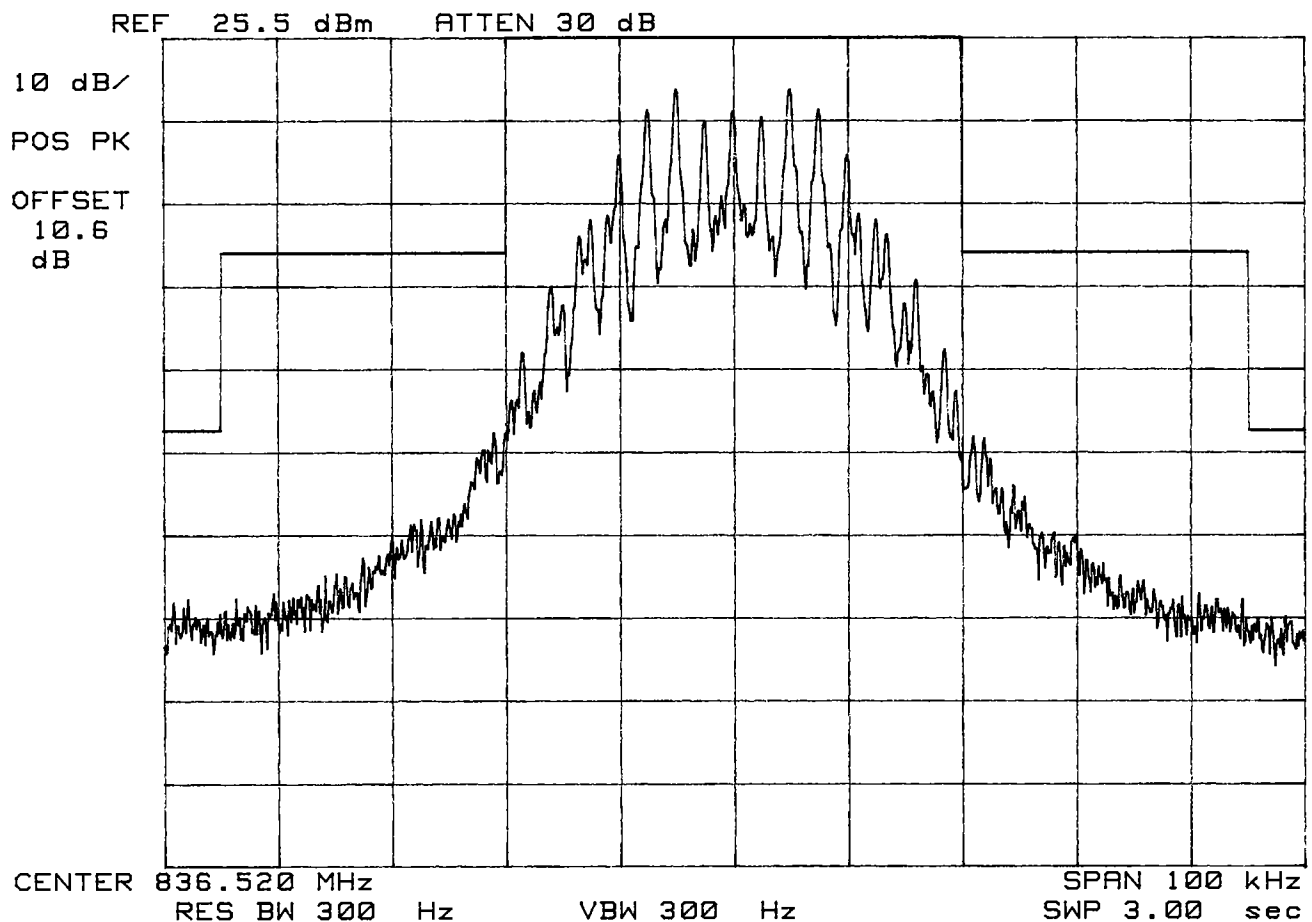
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:SAT + Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: K112

FLEXTRONICS

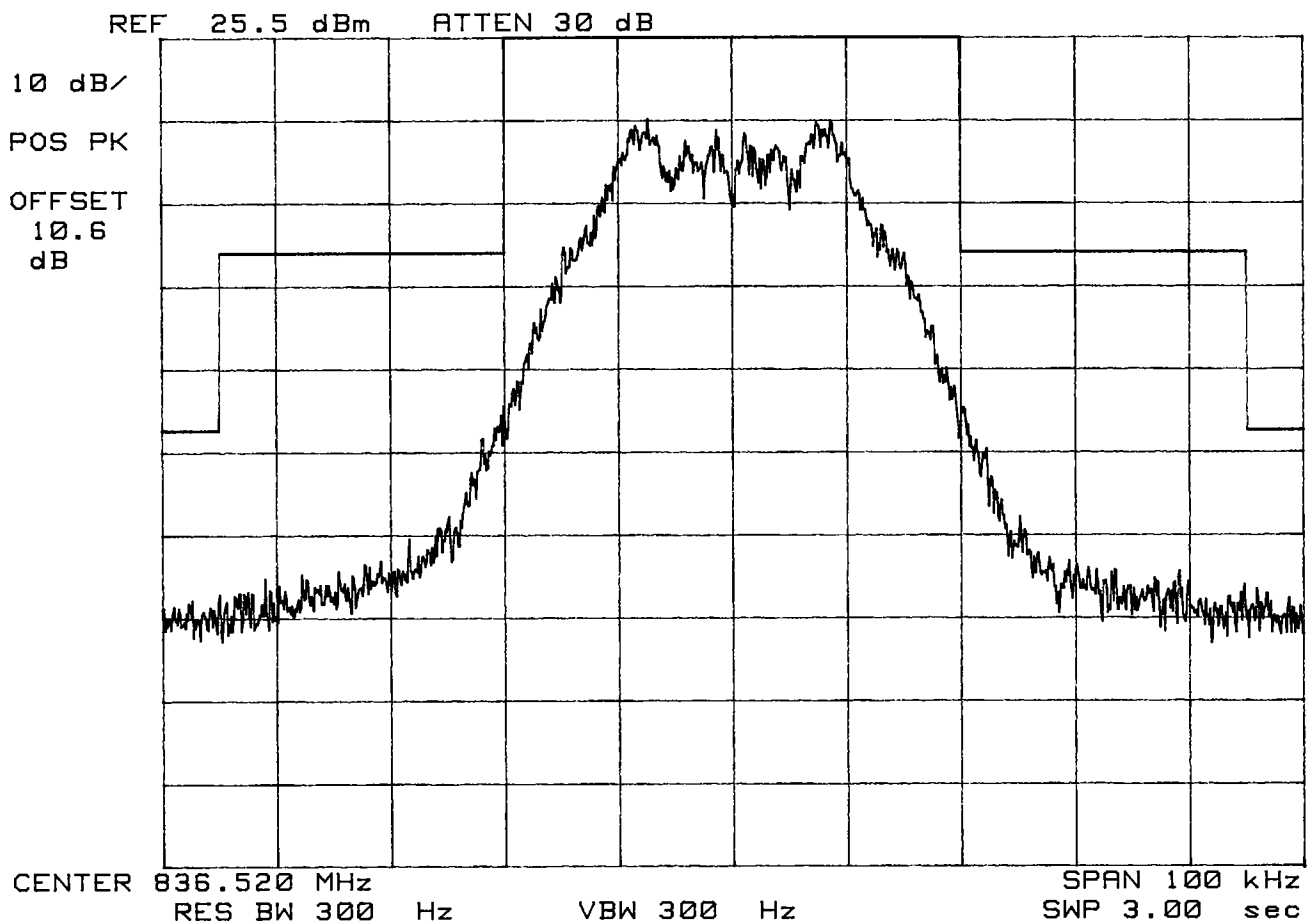
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

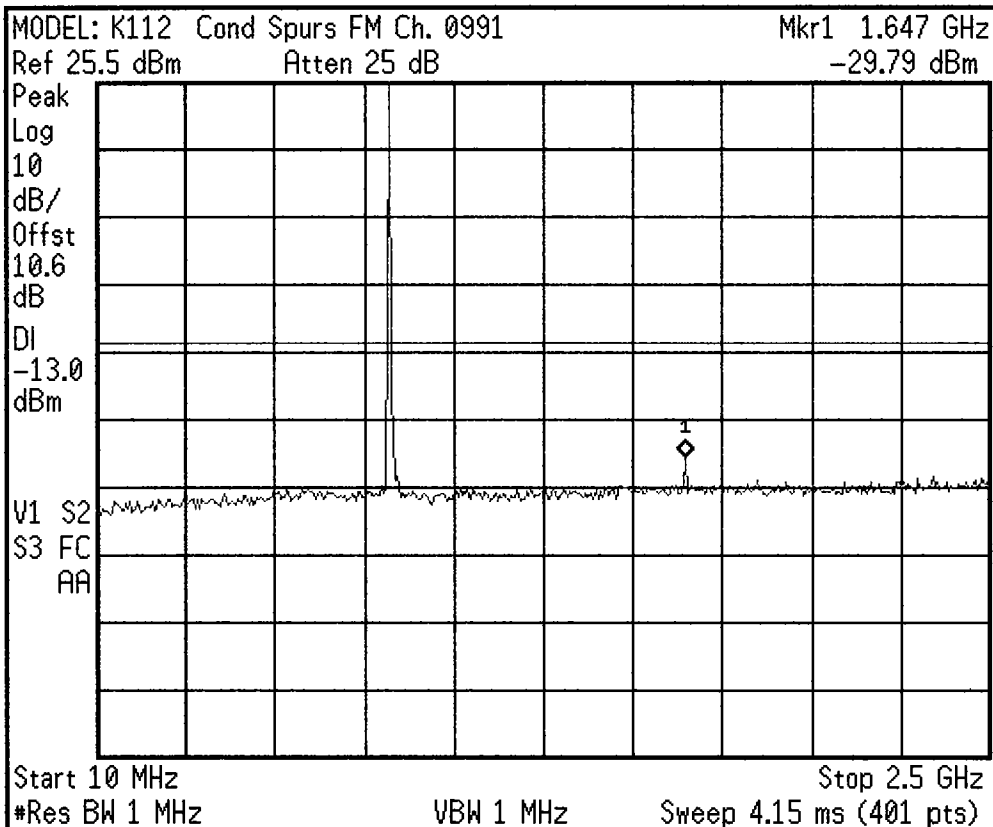
Output Power : 25.5 dBm

Test Mode:SAT + DTMF



Agilent

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

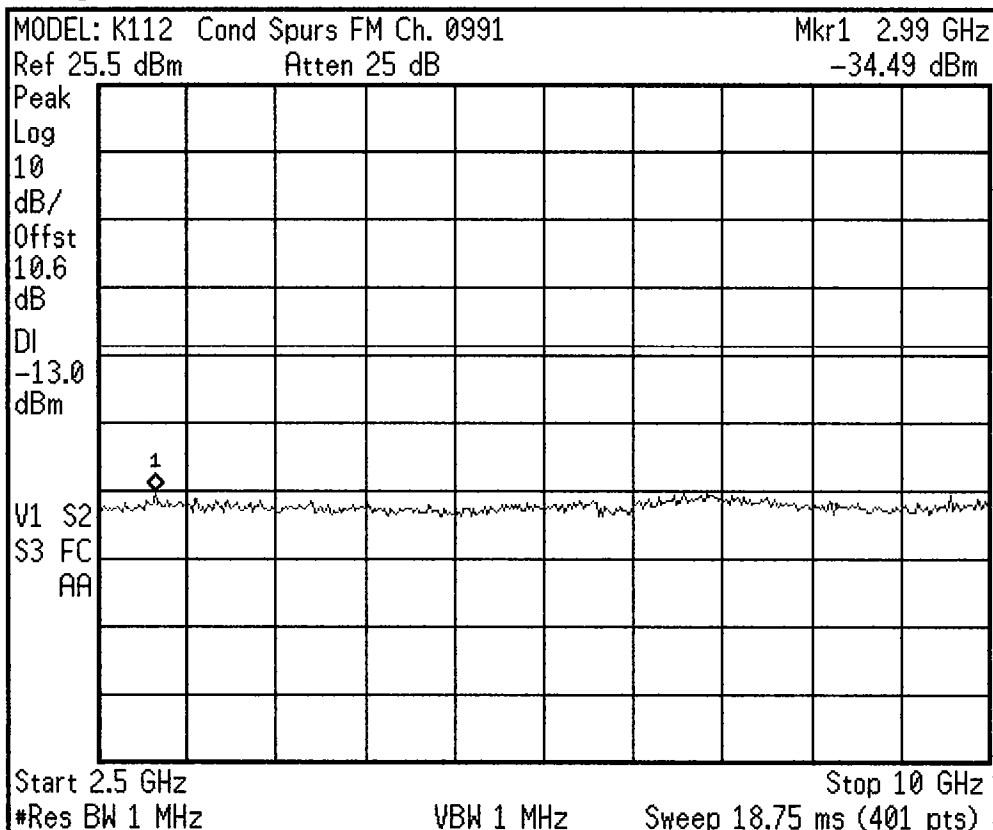
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

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

L

MODEL: K112 Cond Spurs FM Ch. 0384

Mkr1 1.672 GHz

Ref 25.5 dBm

Atten 25 dB

-31.74 dBm

Peak

Log

10

dB/

Offst

10.6

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

L

MODEL: K112 Cond Spurs FM Ch. 0384

Mkr1 7.68 GHz

Ref 25.5 dBm

Atten 25 dB

-33.1 dBm

Peak

Log

10

dB/

Offst

10.6

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

L

MODEL: K112 Cond Spurs FM Ch. 0799

Mkr1 1.697 GHz

Ref 25.5 dBm

Atten 25 dB

-32.24 dBm

Peak

Log

10

dB/

Offst

10.6

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

L

MODEL: K112 Cond Spurs FM Ch. 0799

Mkr1 7.88 GHz

Ref 25.5 dBm

Atten 25 dB

-34.15 dBm

Peak

Log

10

dB/

Offst

10.6

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

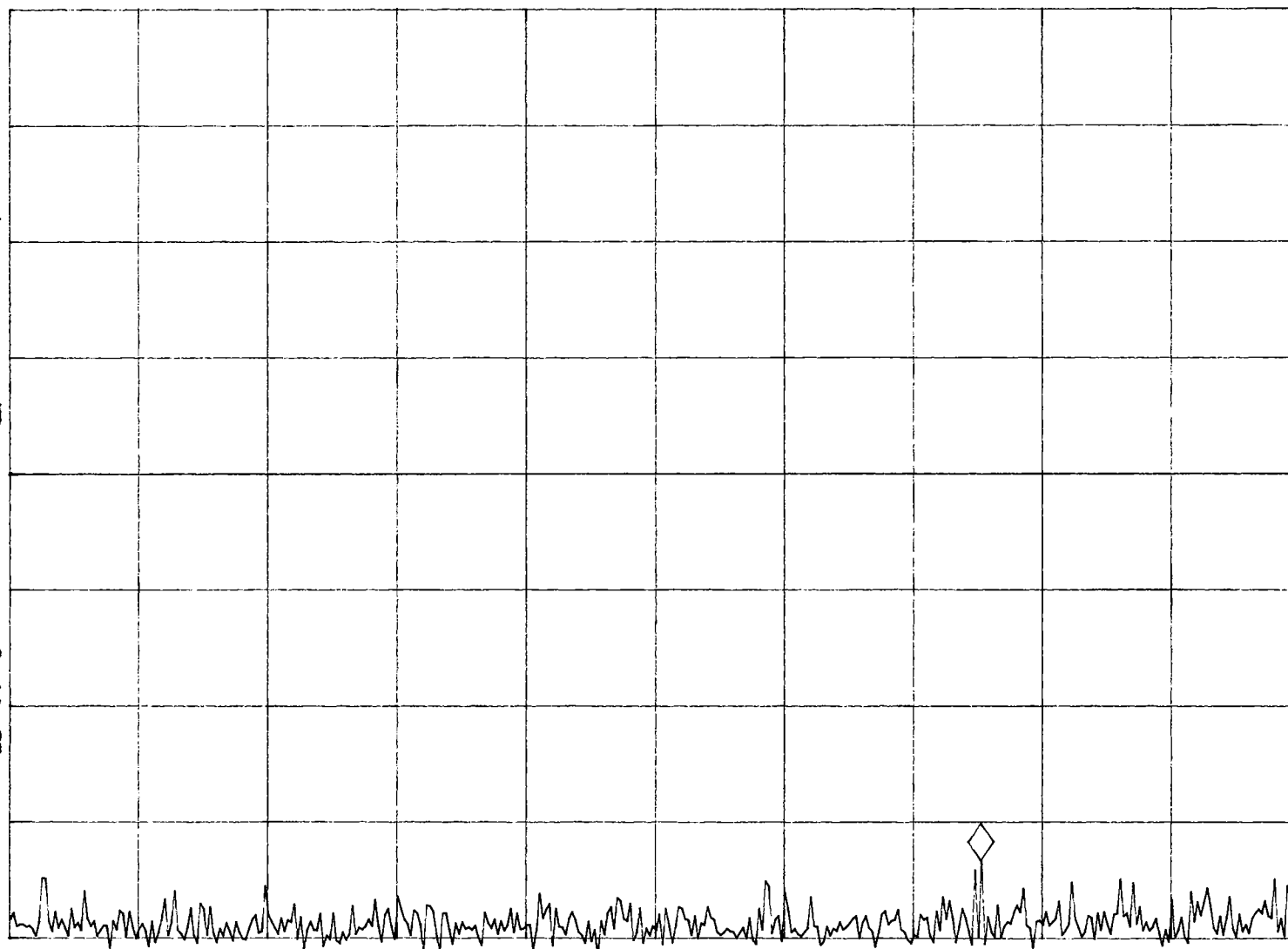
Log

Lin

~~/H~~ FLEXTRONICS MODEL: K112 FM MODE MKR 887.81 MHz
REF -60.0 dBm ATTEN 10 dB PG 26.0 dB -96.65 dBm

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

VA SB
SC FC
CORR

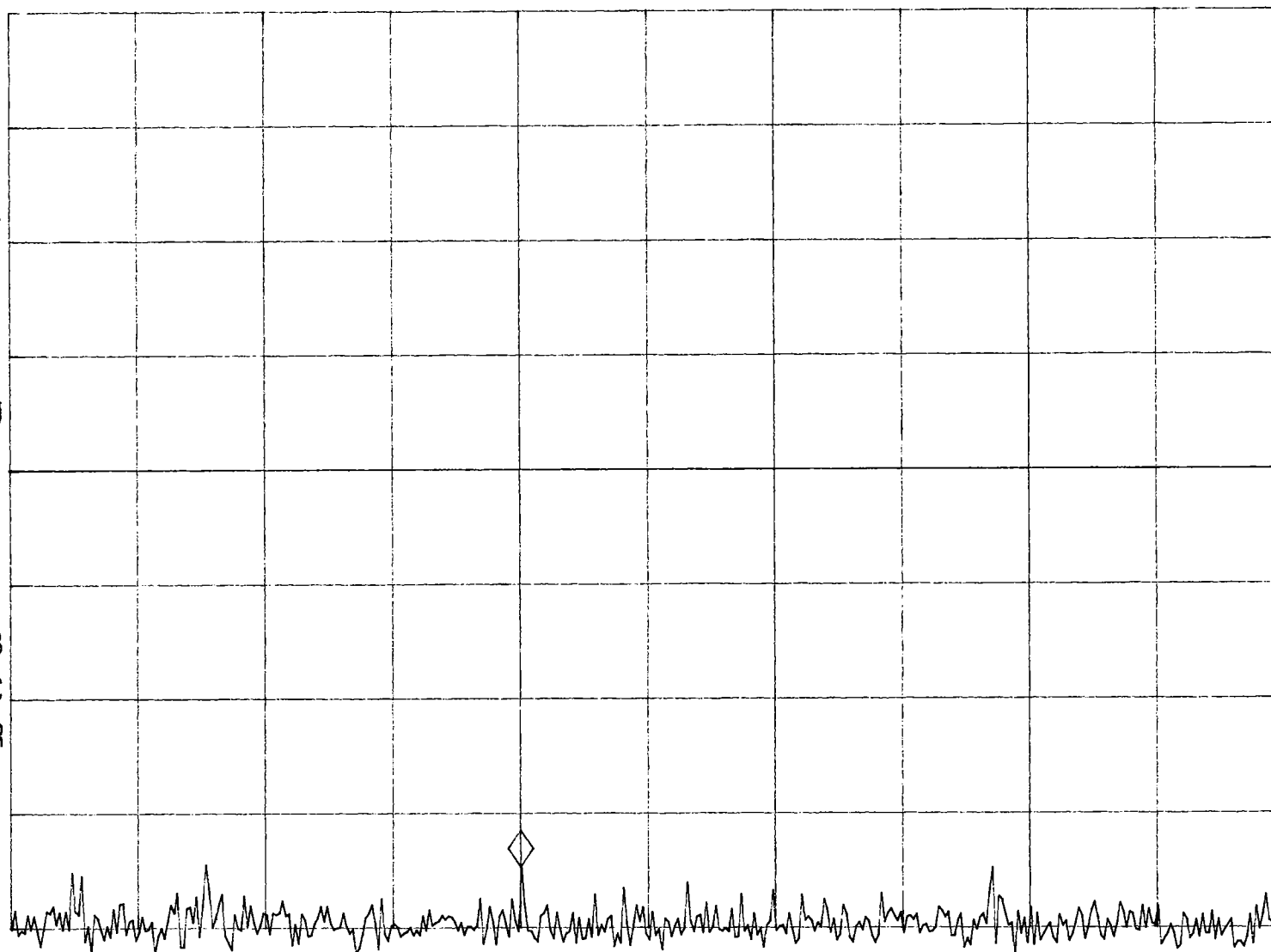


START 869.00 MHz STOP 894.00 MHz
#RES BW 100 kHz #VBW 300 kHz SWP 20 msec

~~Hz~~ FLEXTRONICS MODEL: K112 CDMA MODE MKR 879.00 MHz
REF -60.0 dBm ATTEN 10 dB PG 26.0 dB -97.33 dBm

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

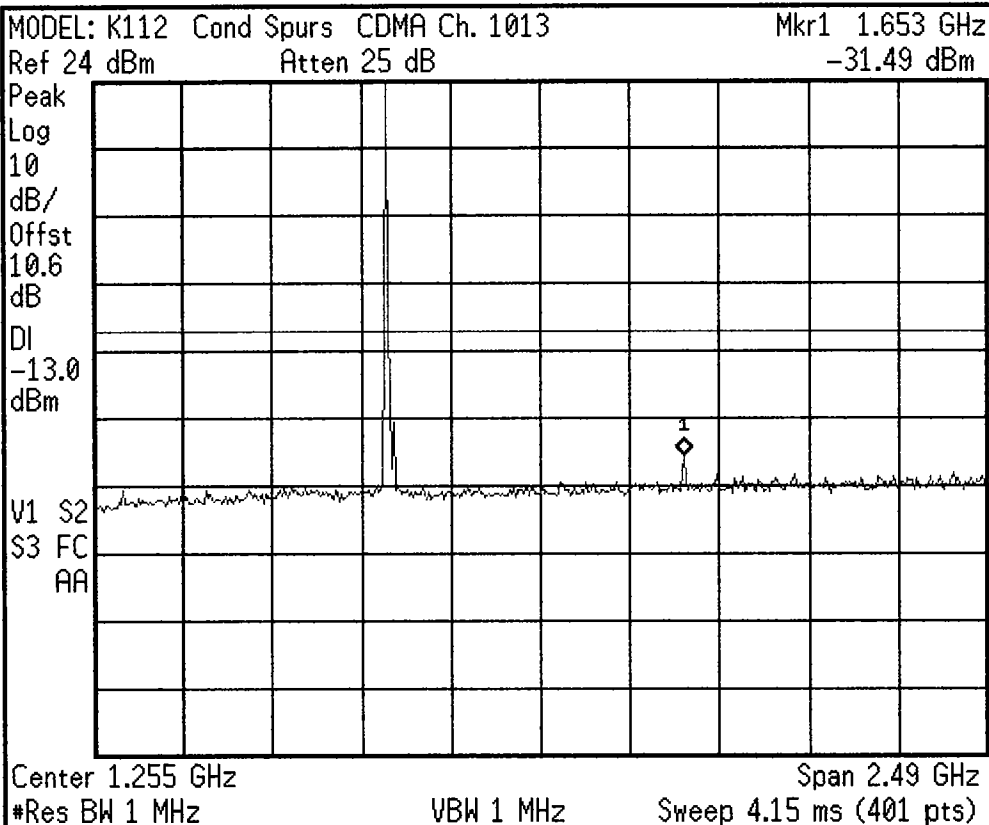
VA SB
SC FC
CORR



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

Agilent

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

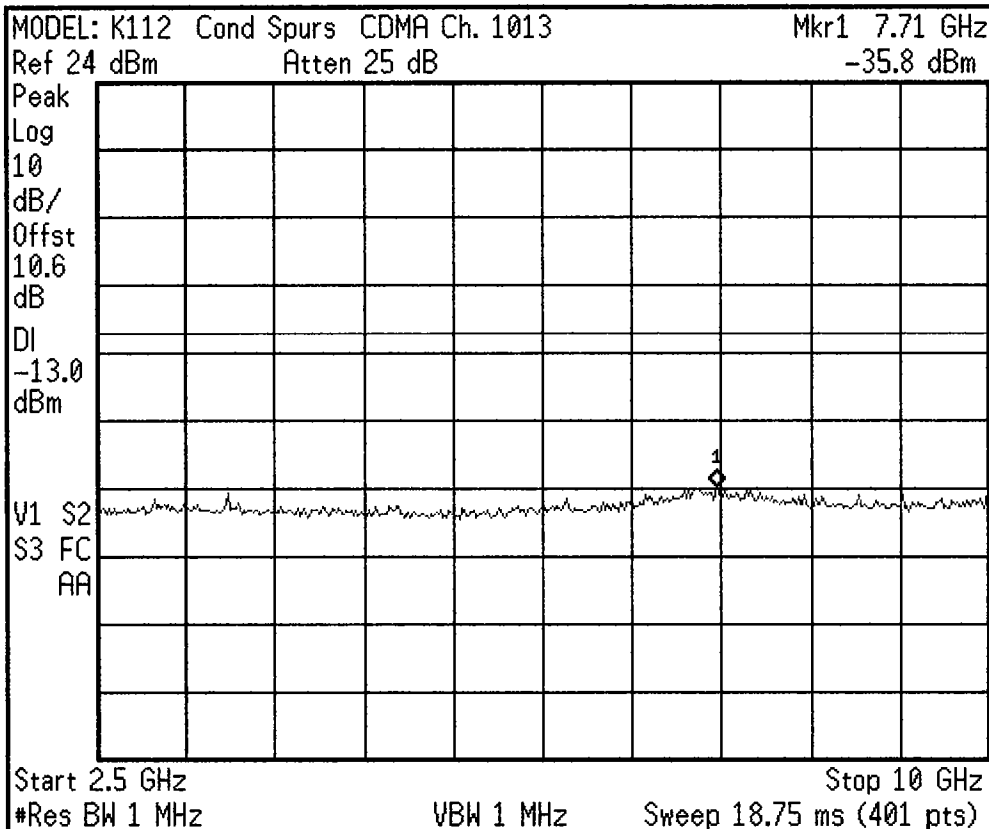
On Off

Scale Type

Log Lin

Agilent

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

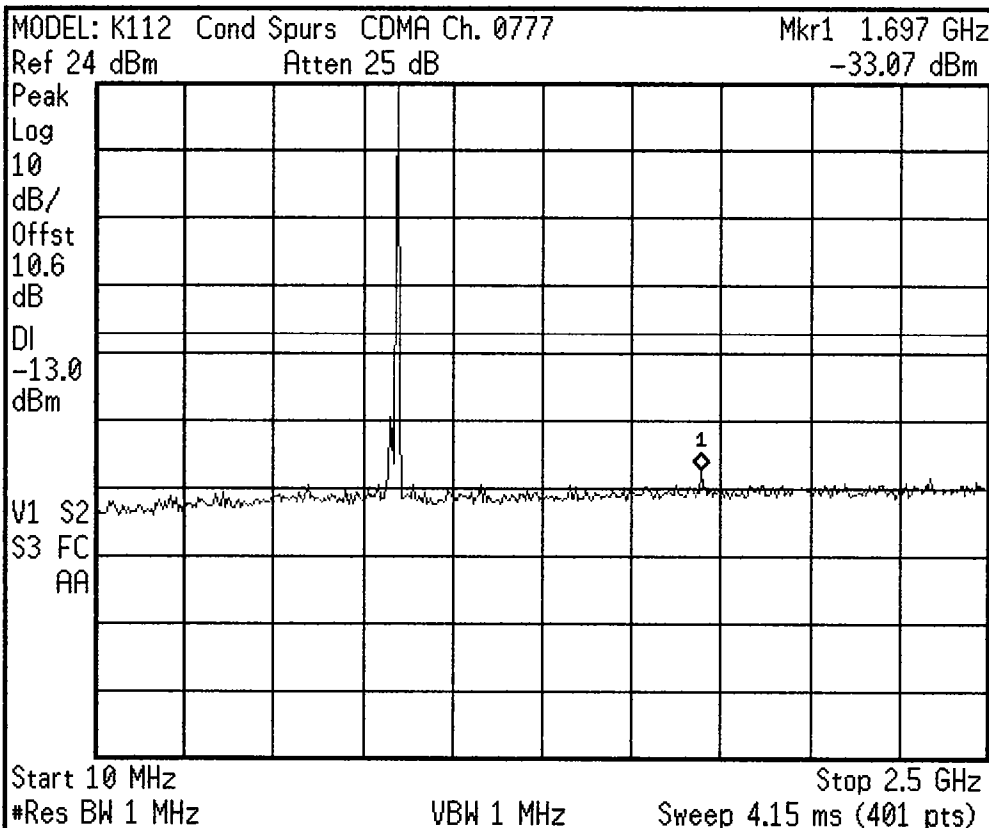
On Off

Scale Type

Log Lin

Agilent

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

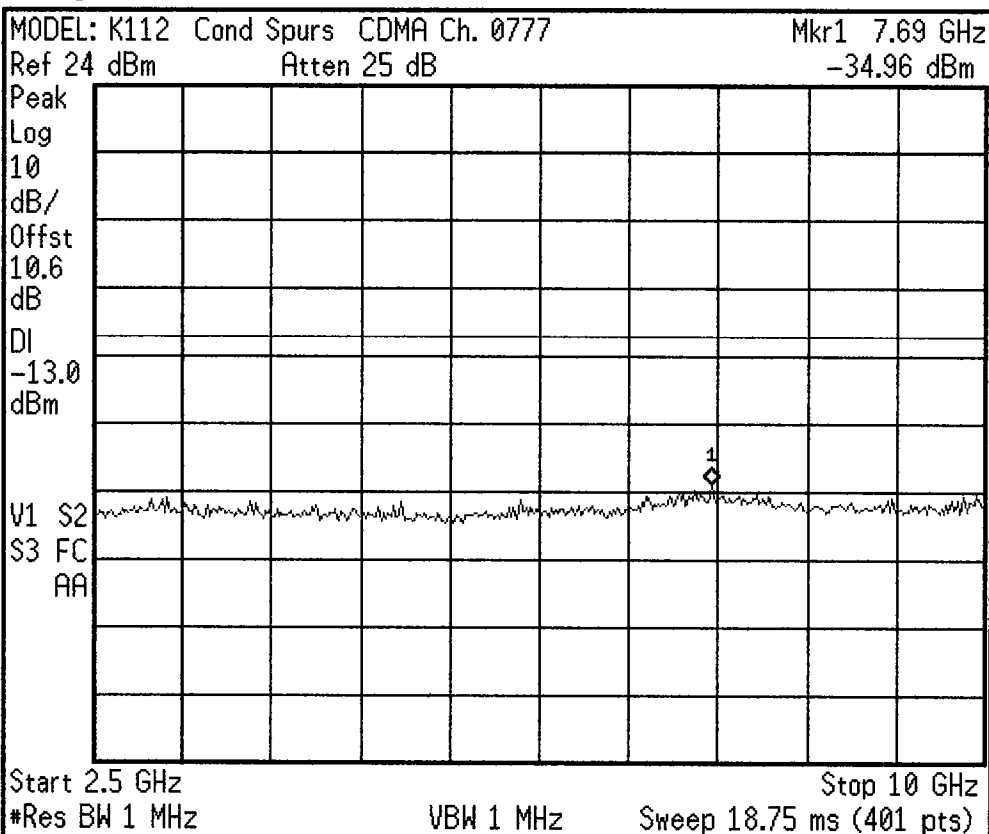
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

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

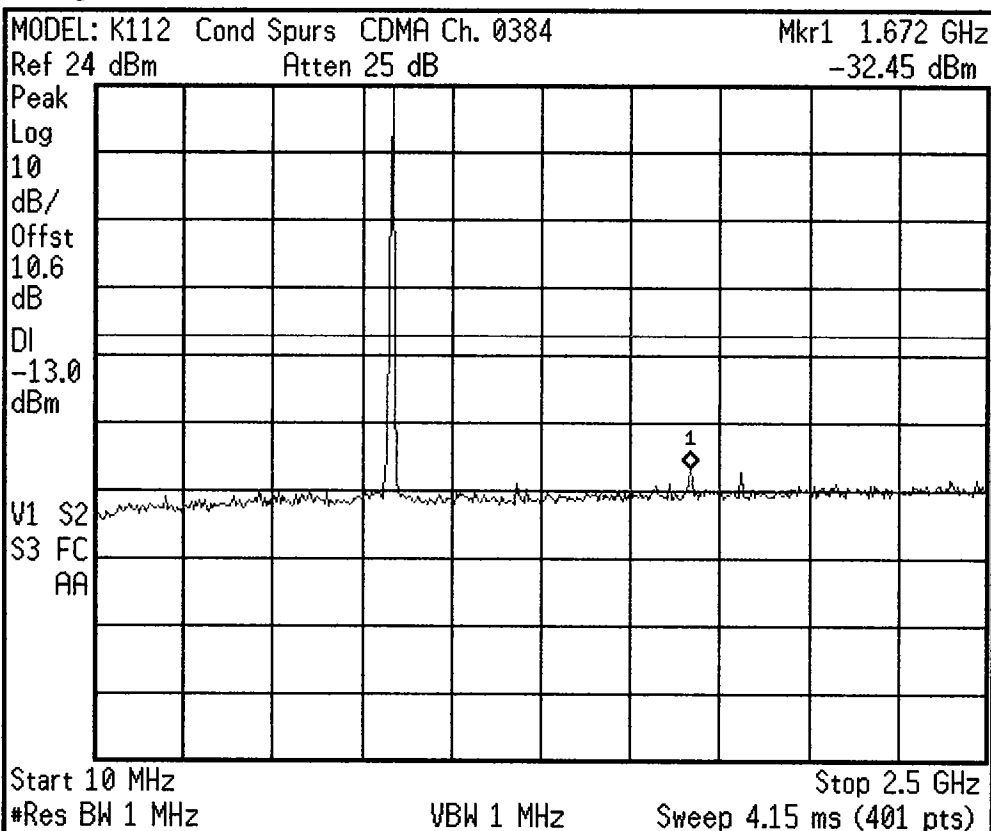
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

* Agilent

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

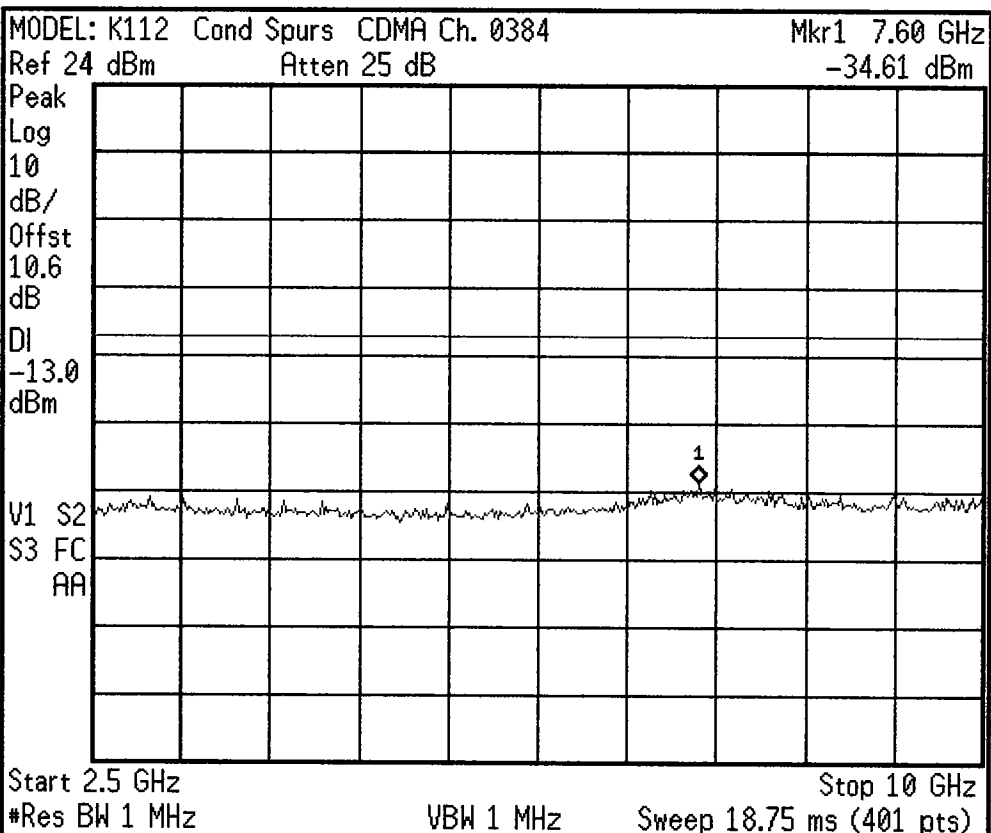
Scale Type

Log

Lin

* Agilent

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

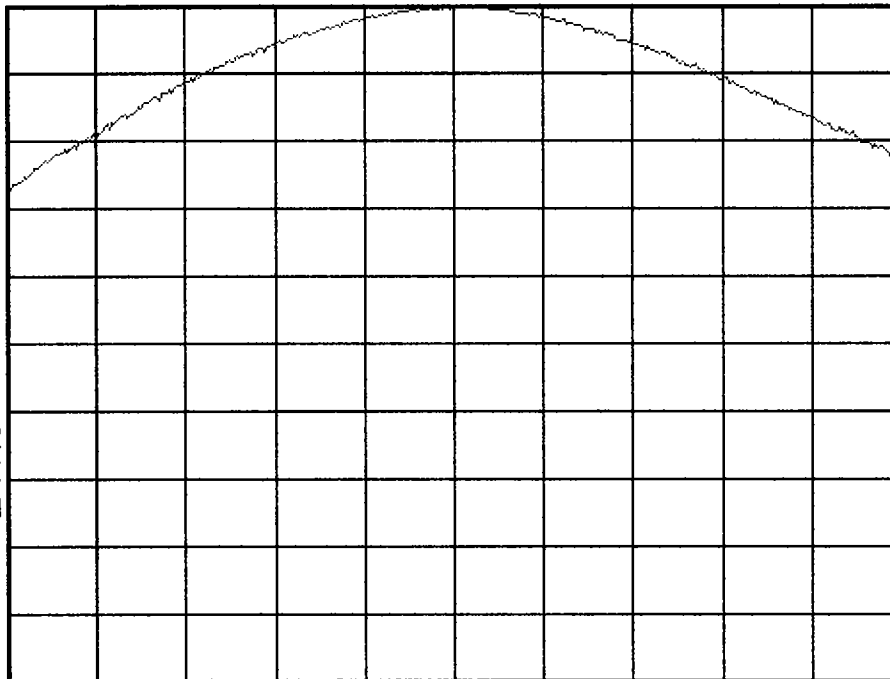
Agilent

L

MODEL: K112 Power Out CDMA Ch. 1013
Ref 24 dBm Atten 25 dB

Samp
Log
10
dB/
Offst
10.6
dB

VAvg
100
V1 S2
S3 FC
AA



Center 824.7 MHz

#Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 4 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

Scale Type

Log

Lin

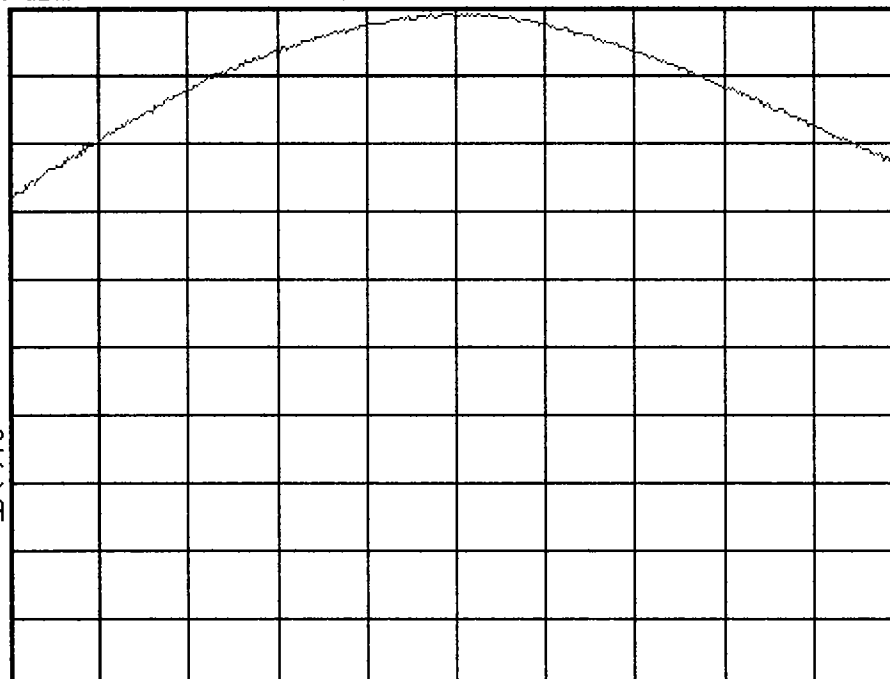
Agilent

L

MODEL: K112 Power Out CDMA Ch. 0777
Ref 24 dBm Atten 25 dB

Samp
Log
10
dB/
Offst
10.6
dB

VAvg
100
V1 S2
S3 FC
AA



Center 848.3 MHz

#Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 4 ms (401 pts)

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

Scale Type

Log

Lin

✱ Agilent

L

MODEL: K112 Power Out CDMA Ch. 0384

Ref 24 dBm

Atten 25 dB

Samp

Log

10

dB/

Offst

10.6

dB

VAvg

100

V1 S2

S3 FS

AA

Center 836.5 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 4 ms (401 pts)

Freq/Channel

Center Freq

836.520000 MHz

Start Freq

831.520000 MHz

Stop Freq

841.520000 MHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

✱ Agilent

L

Ch Freq 836.52 MHz

Trig Free

Channel Power

MODEL: K112 Power Out CDMA Ch. 0384

Ref 24 dBm

Atten 25 dB

*Avg

Log

10

dB/

Offst

10.6

dB

Center 836.5 MHz

Res BW 30 kHz

VBW 300 kHz

Span 3 MHz

Sweep 8 ms (401 pts)

Freq/Channel

Center Freq

836.520000 MHz

Start Freq

835.020000 MHz

Stop Freq

838.020000 MHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

Channel Power

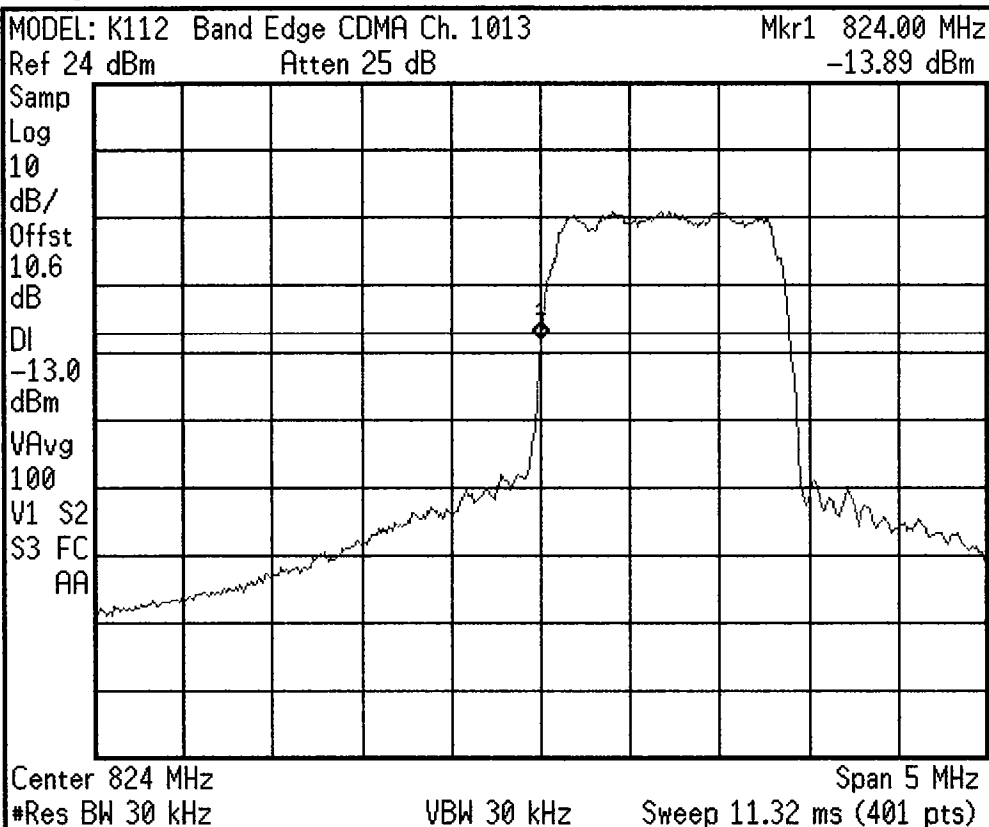
24.00 dBm /2.0000 MHz

Power Spectral Density

-39.01 dBm/Hz

Agilent

L



Freq/Channel

Center Freq
824.000000 MHz

Start Freq
821.500000 MHz

Stop Freq
826.500000 MHz

CF Step
500.000000 kHz
Auto Man

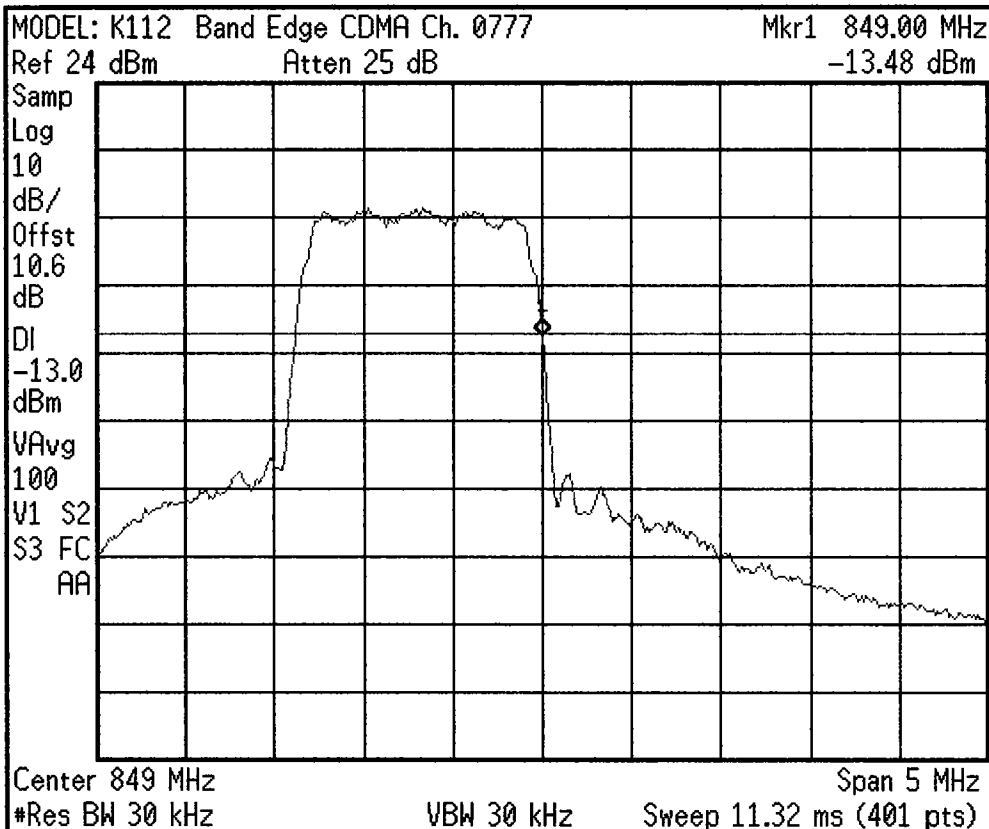
Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

L



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

Scale Type
Log Lin

PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

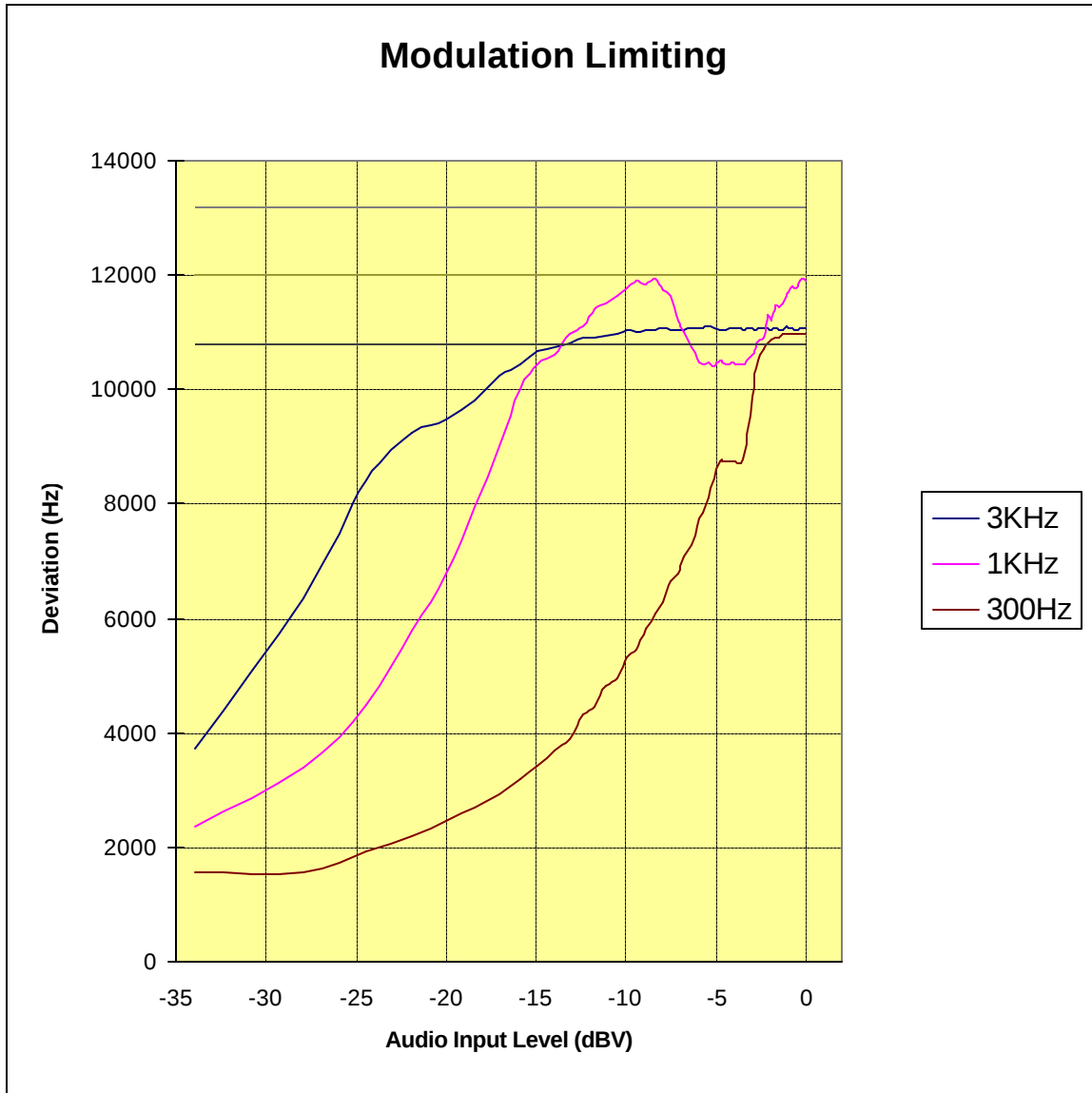
Test Report No.: 22.230414187.Q3O
Test Date: 04.15.2003

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

Model: K112

FCC ID: Q3OKWC-K112

REFERENCE: 1 kHz = 0 dB



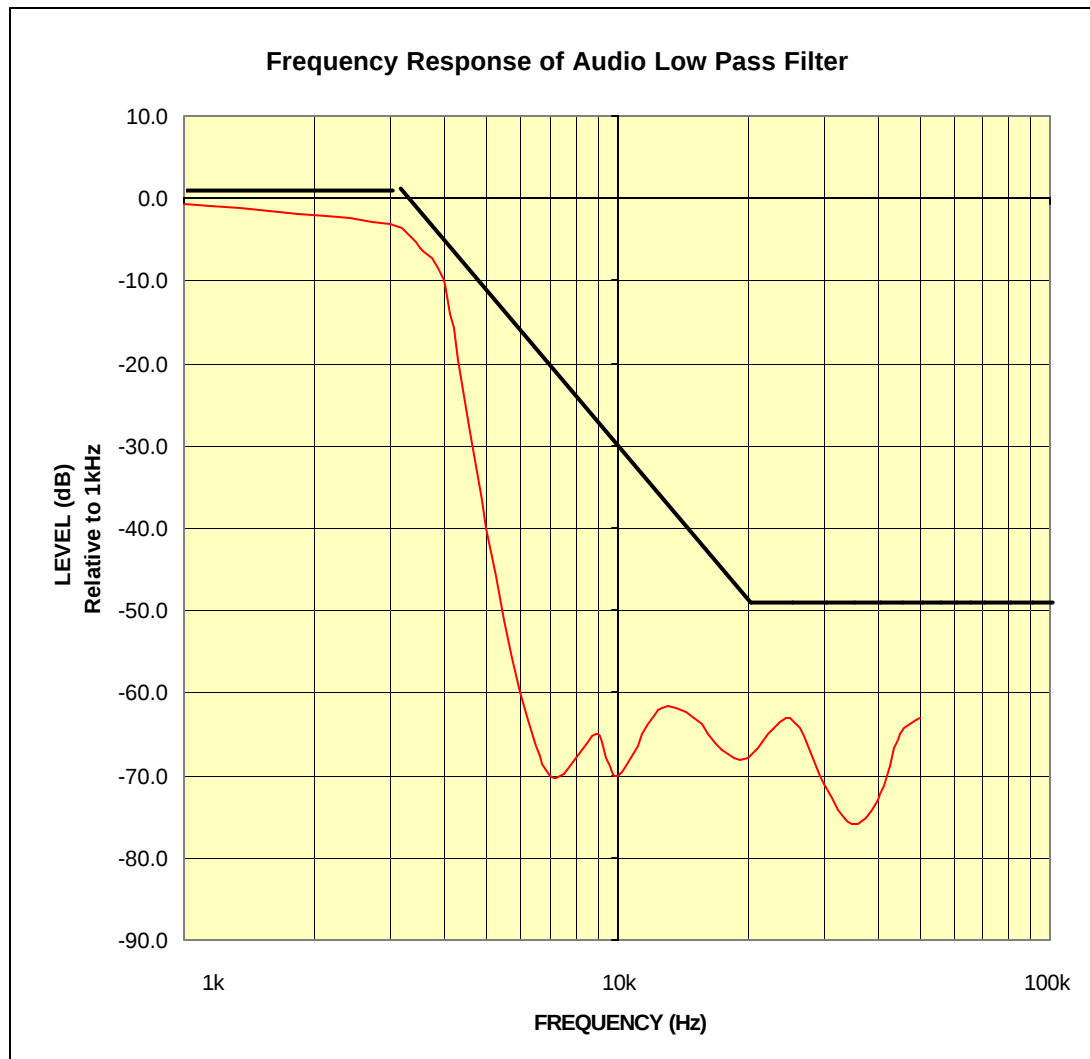
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22.230414187.Q3O
Test Date: 04.15.2003

EUT: FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)
Model: K112
FCC ID: Q30KWC-K112

REFERENCE: 1 kHz = 0 dB



FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)
FCC ID: Q30KWC-K112

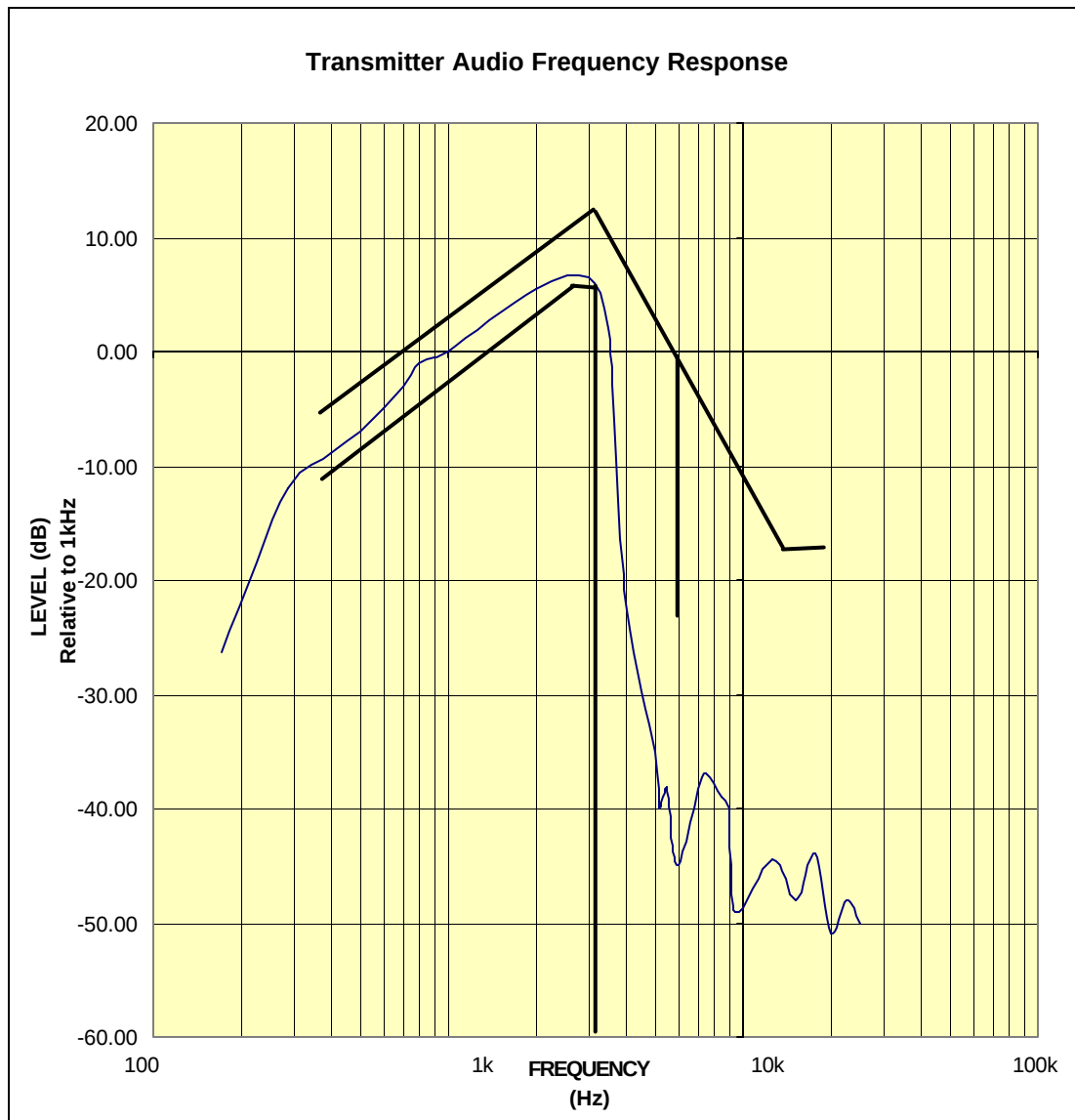
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22.230414187.Q3O
Test Date: 04.15.2003

EUT: FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)
Model: K112
FCC ID: Q3OKWC-K112

REFERENCE: 1 kHz = 0 dB



FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)
FCC ID: Q3OKWC-K112