

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: QB04

FLEXTRONICS

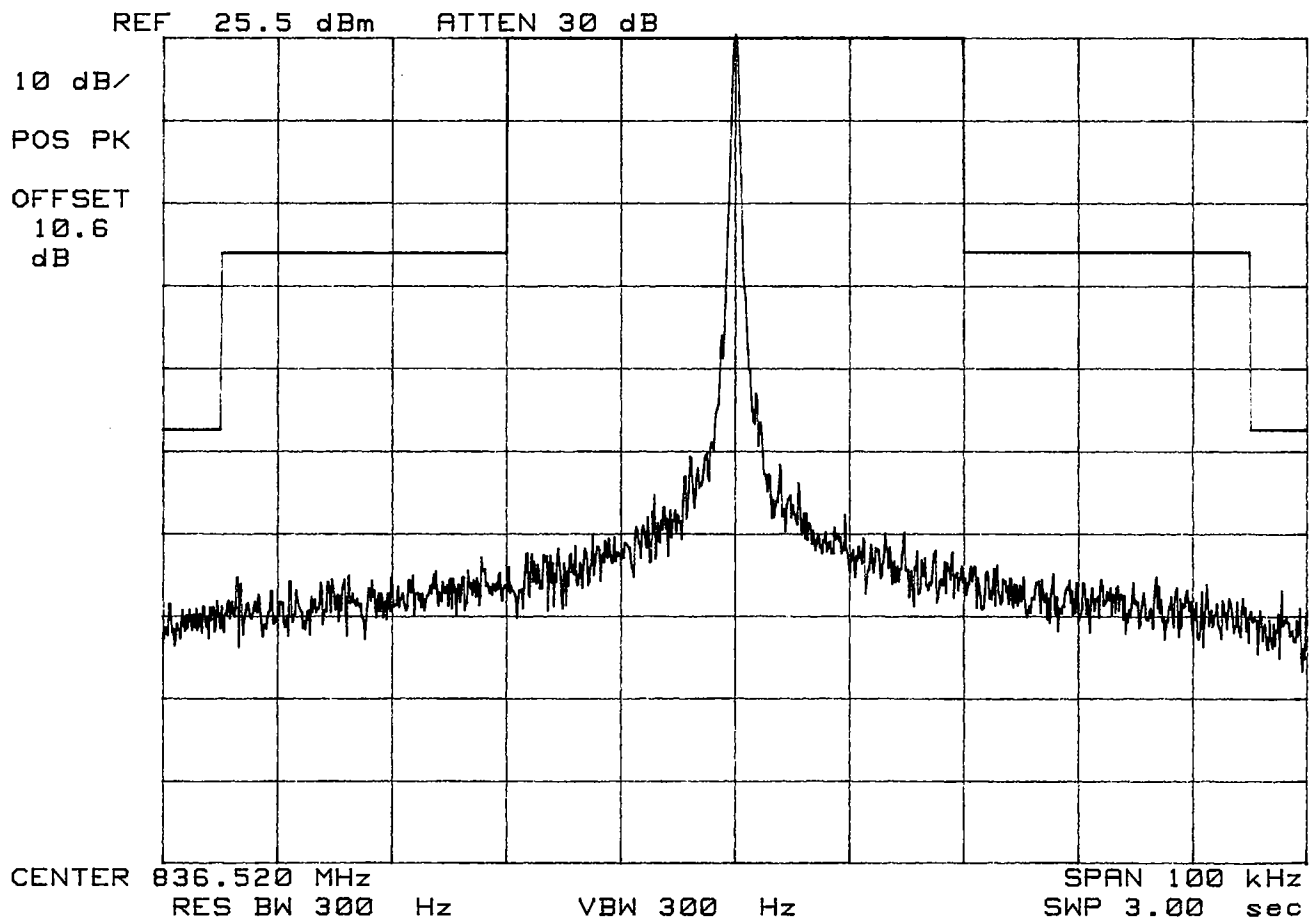
Dual-Mode Phone

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: QB04

FLEXTRONICS

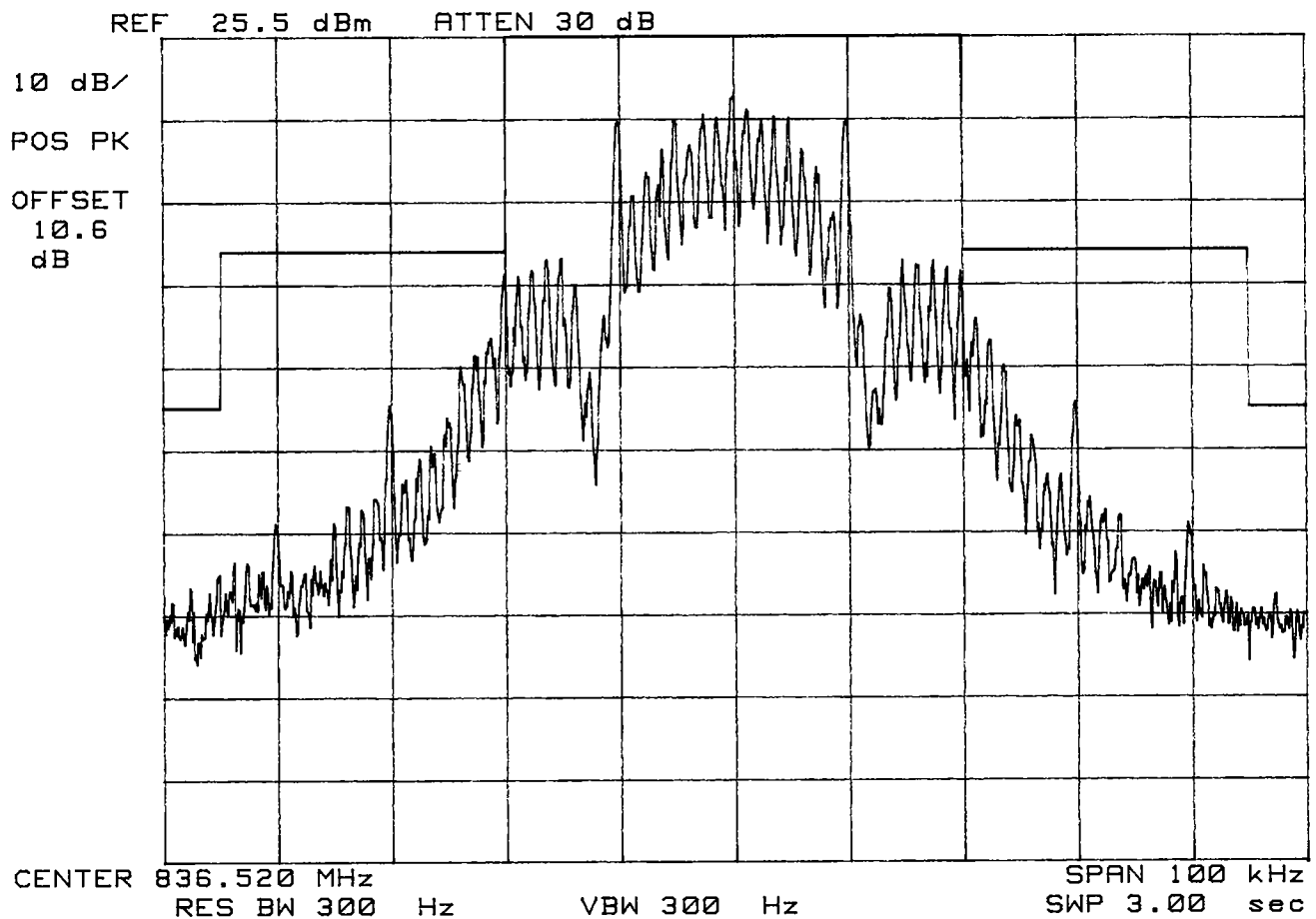
Dual-Mode Phone

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: QB04

FLEXTRONICS

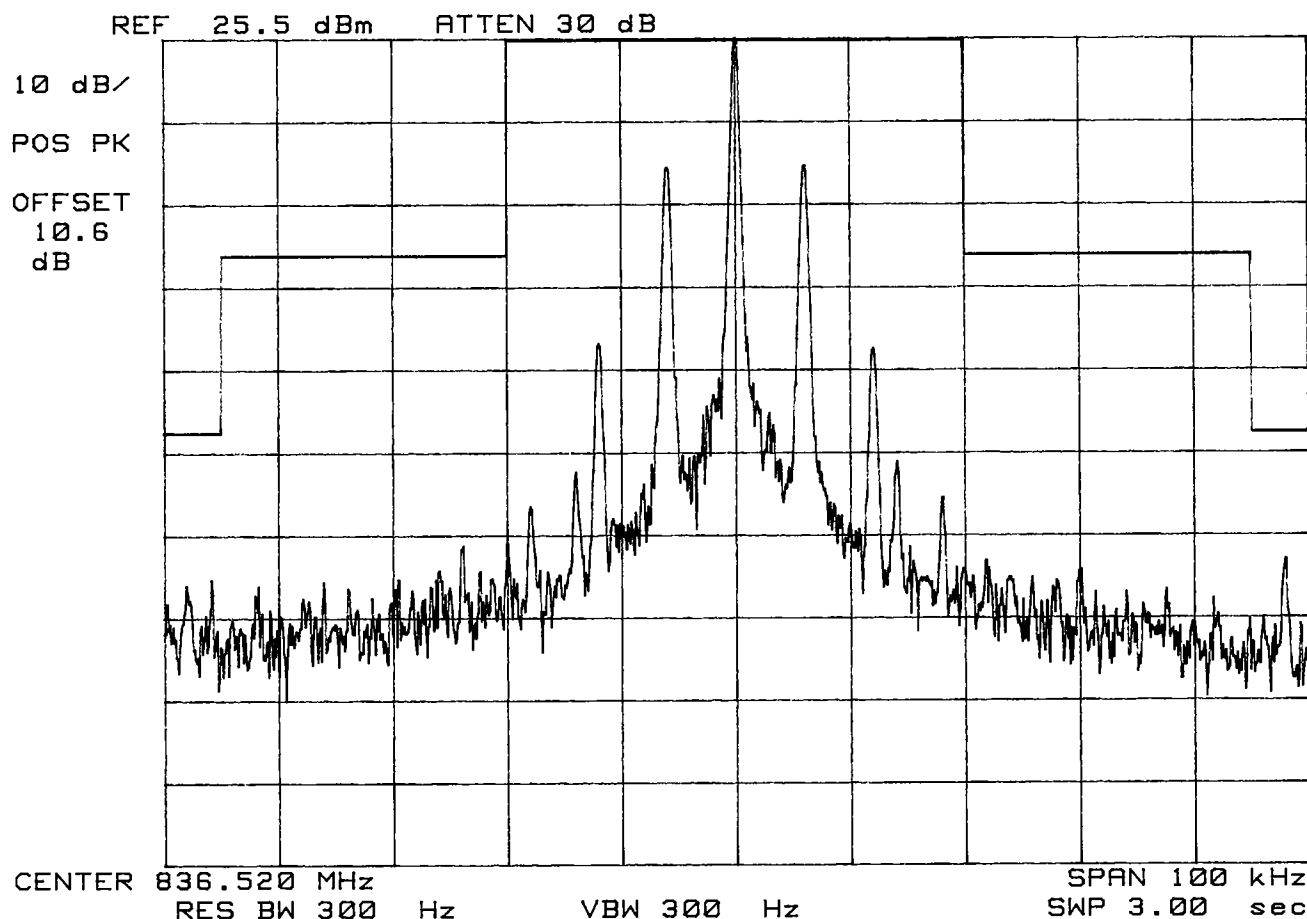
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:SAT



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: QB04

FLEXTRONICS

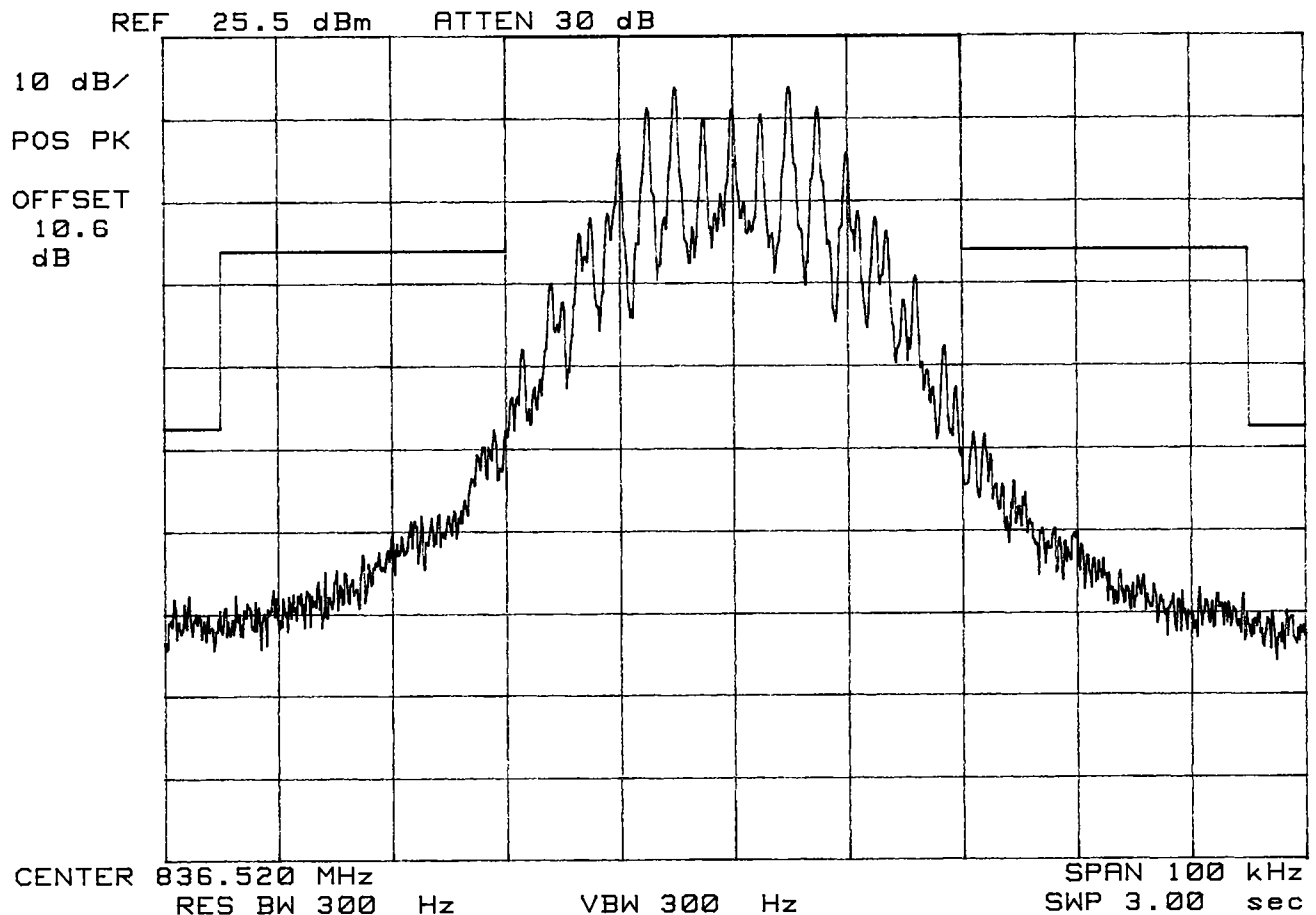
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 25.5 dBm

Test Mode:SAT + Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:MODEL: QB04

FLEXTRONICS

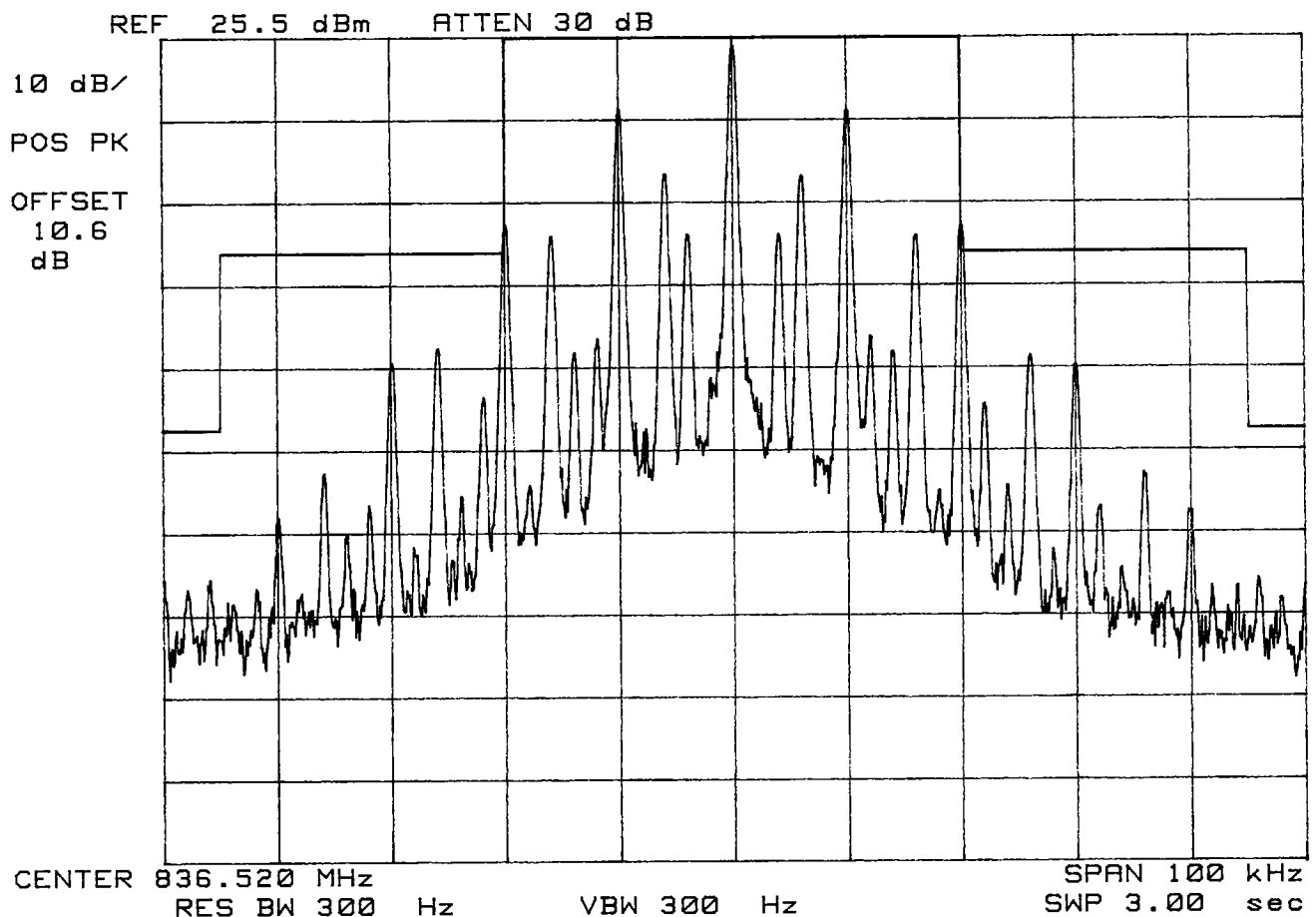
Dual-Mode Phone

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: QB04

FLEXTRONICS

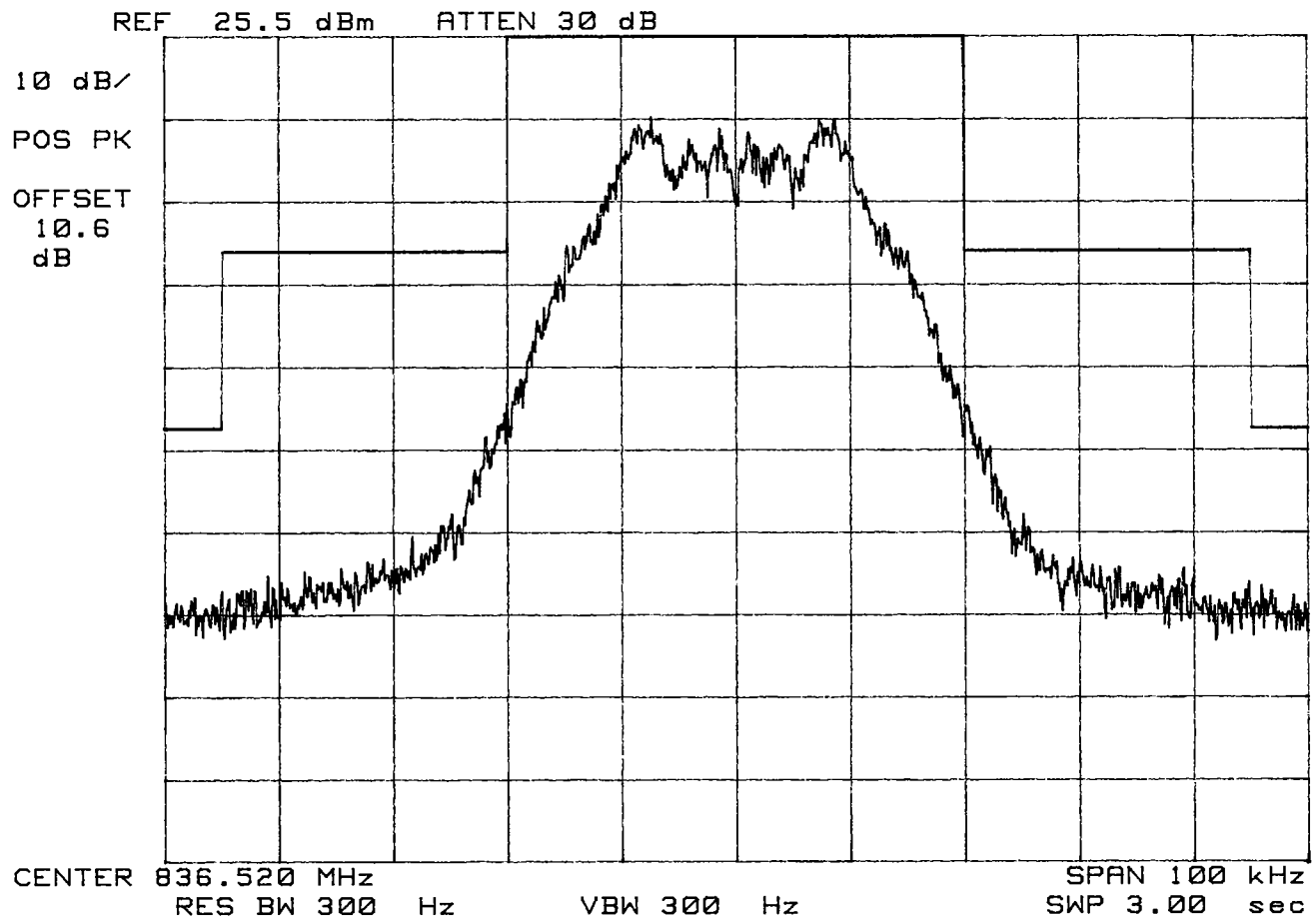
Dual-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

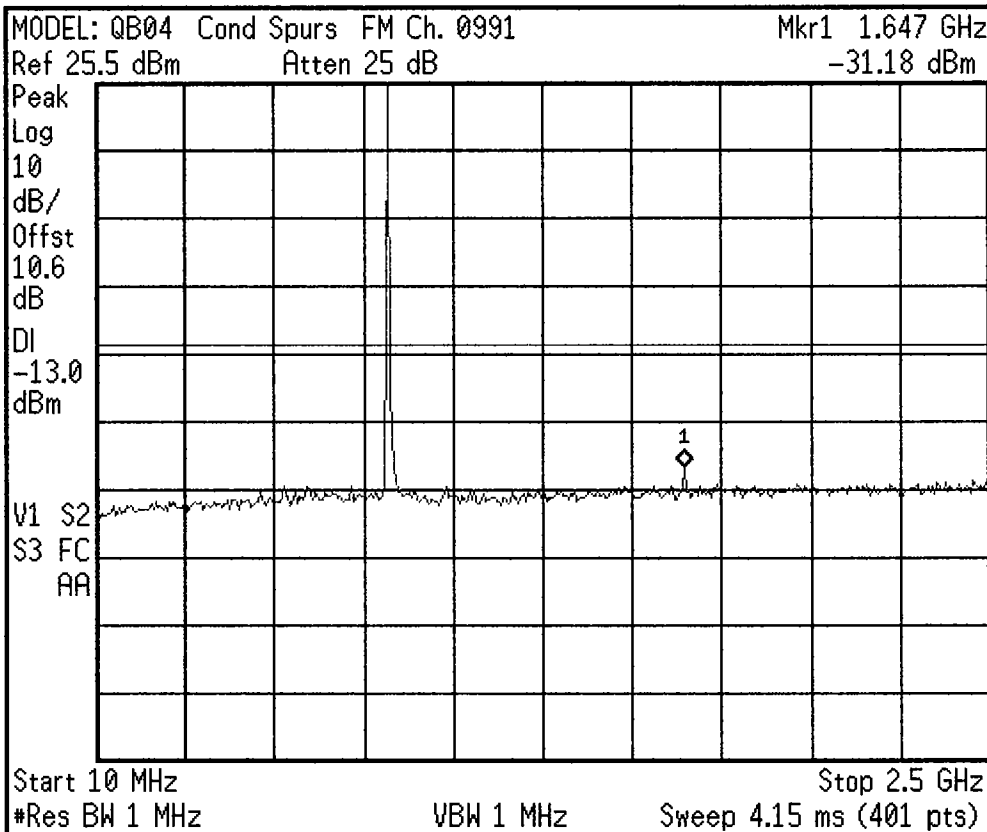
Output Power : 25.5 dBm

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

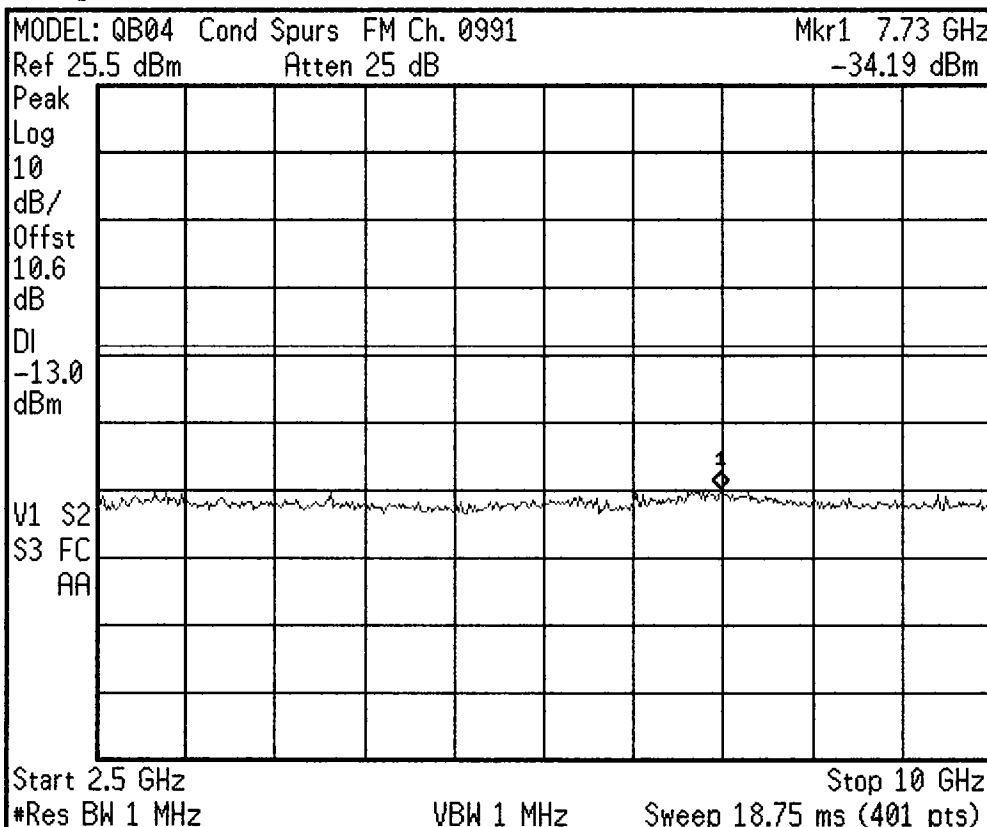
Freq Offset  
 0.00000000 Hz

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

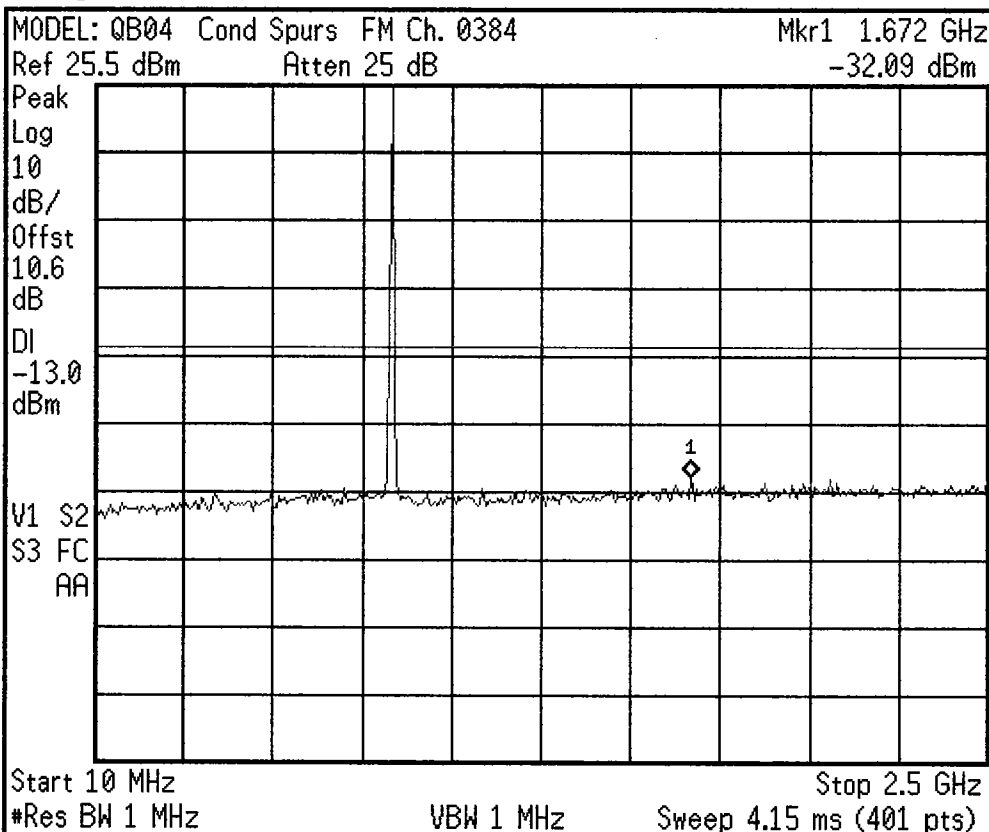
Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent

L



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

Stop Freq  
 2.50000000 GHz

CF Step  
 249.000000 MHz  
 Auto Man

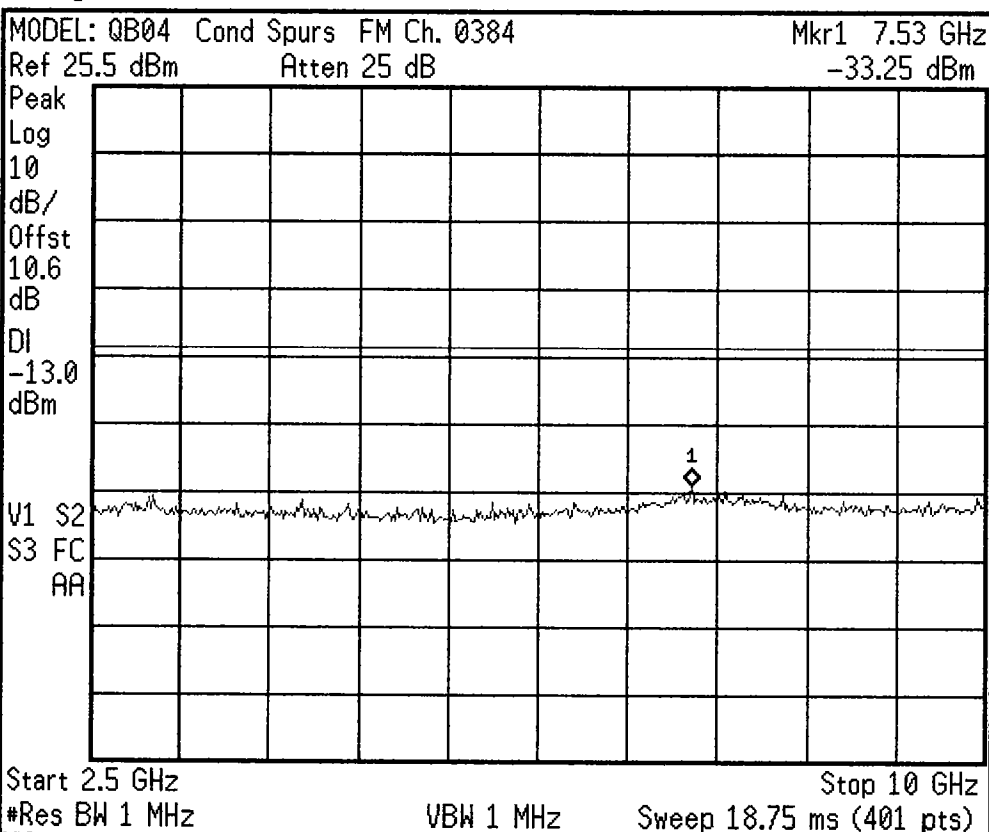
Freq Offset  
 0.00000000 Hz

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

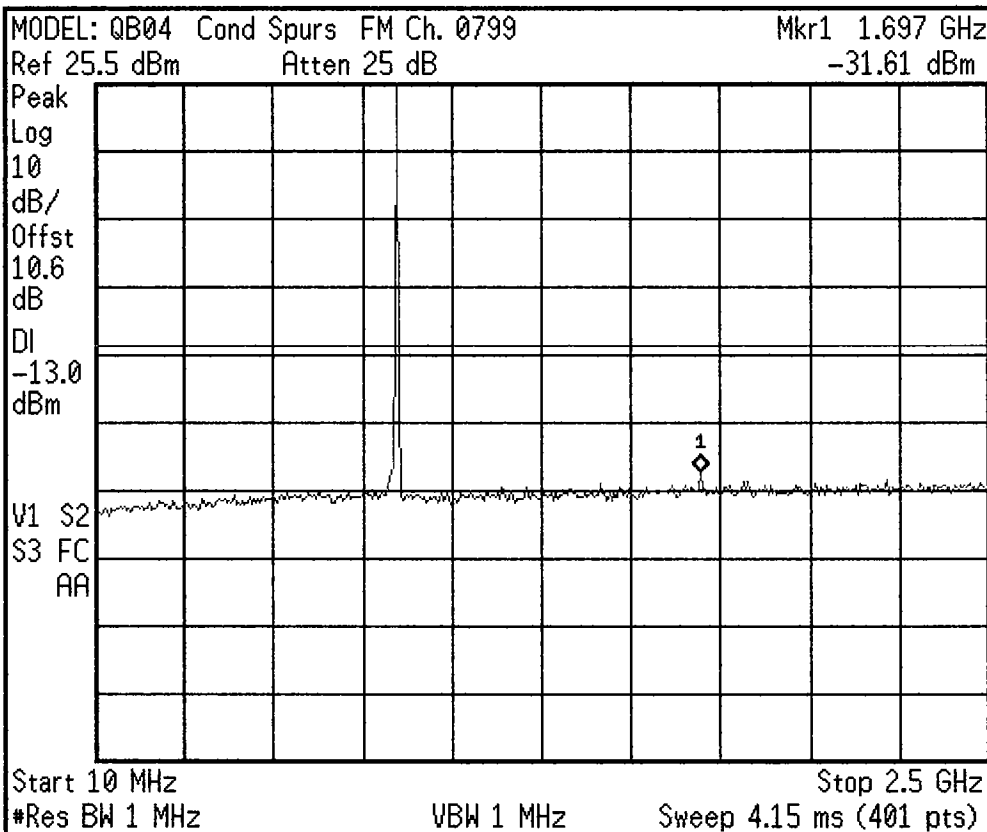
Freq Offset  
 0.00000000 Hz

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

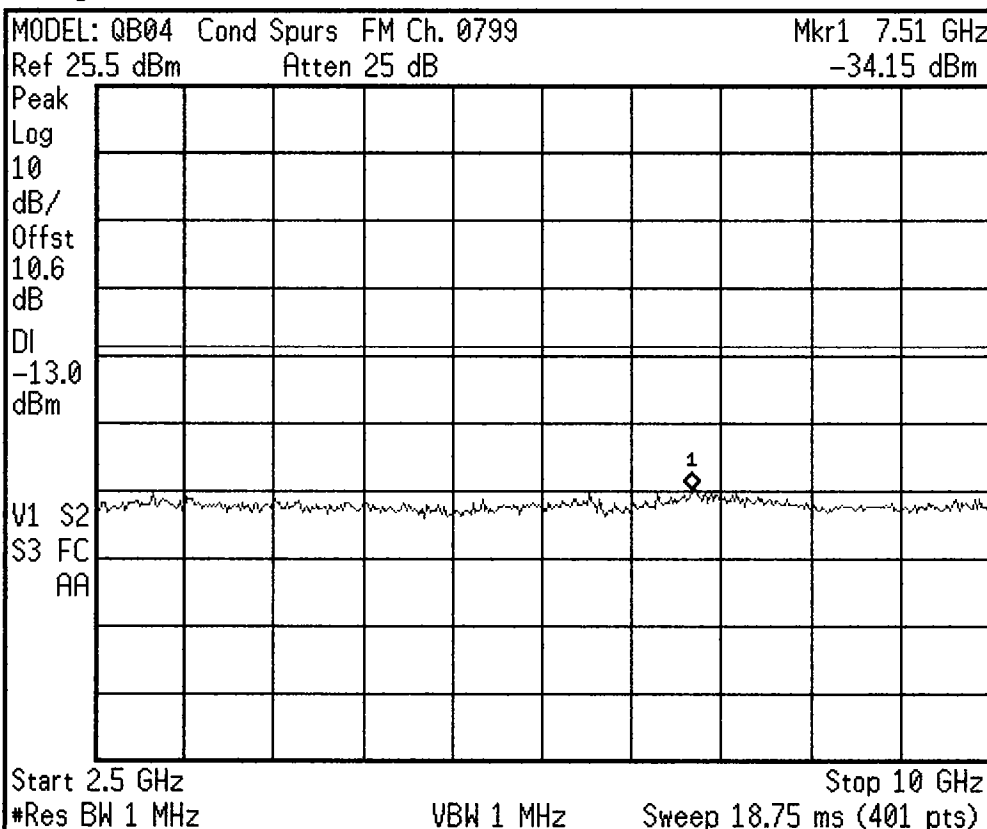
Freq Offset  
 0.00000000 Hz

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

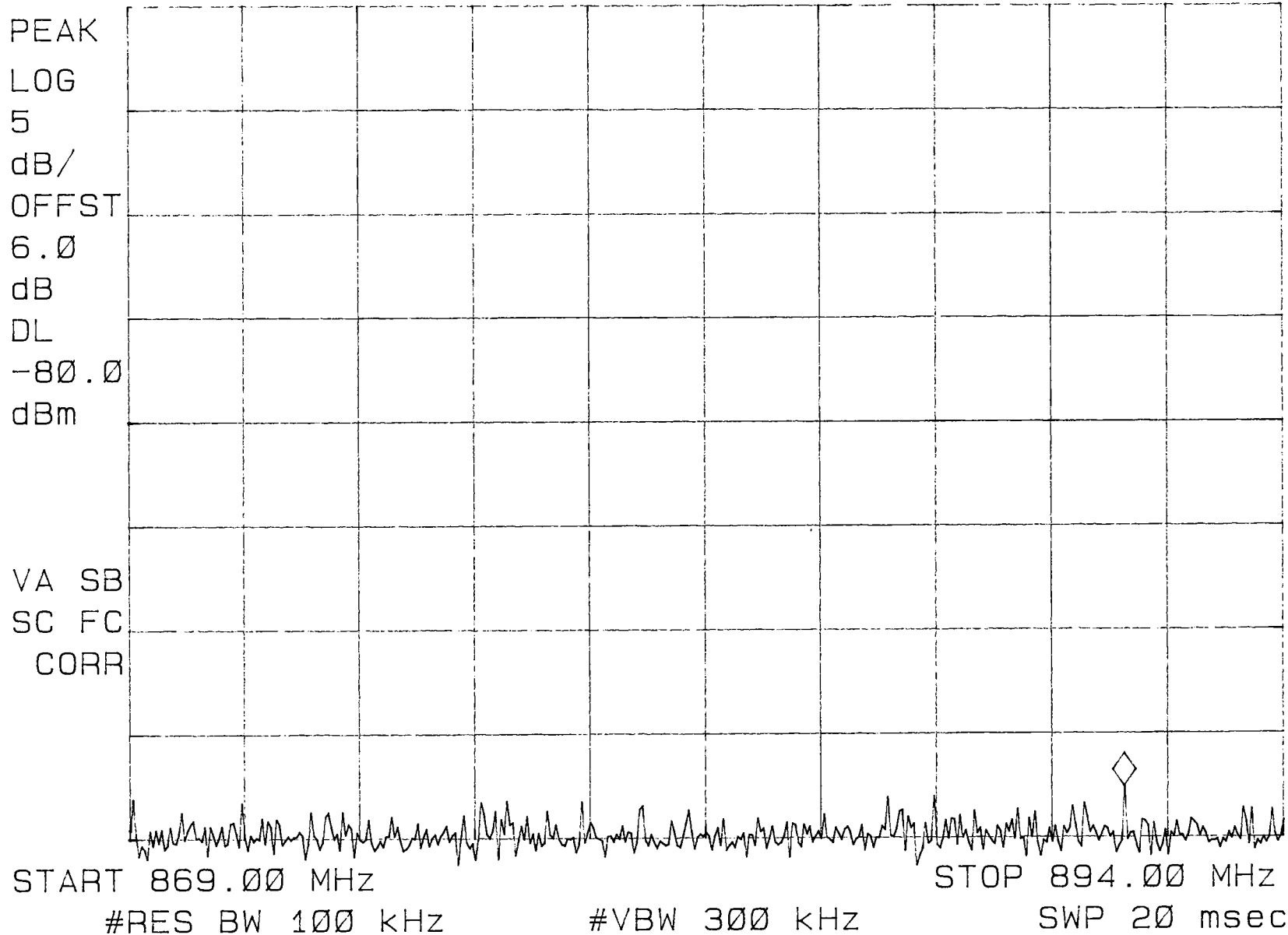
CF Step  
 750.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

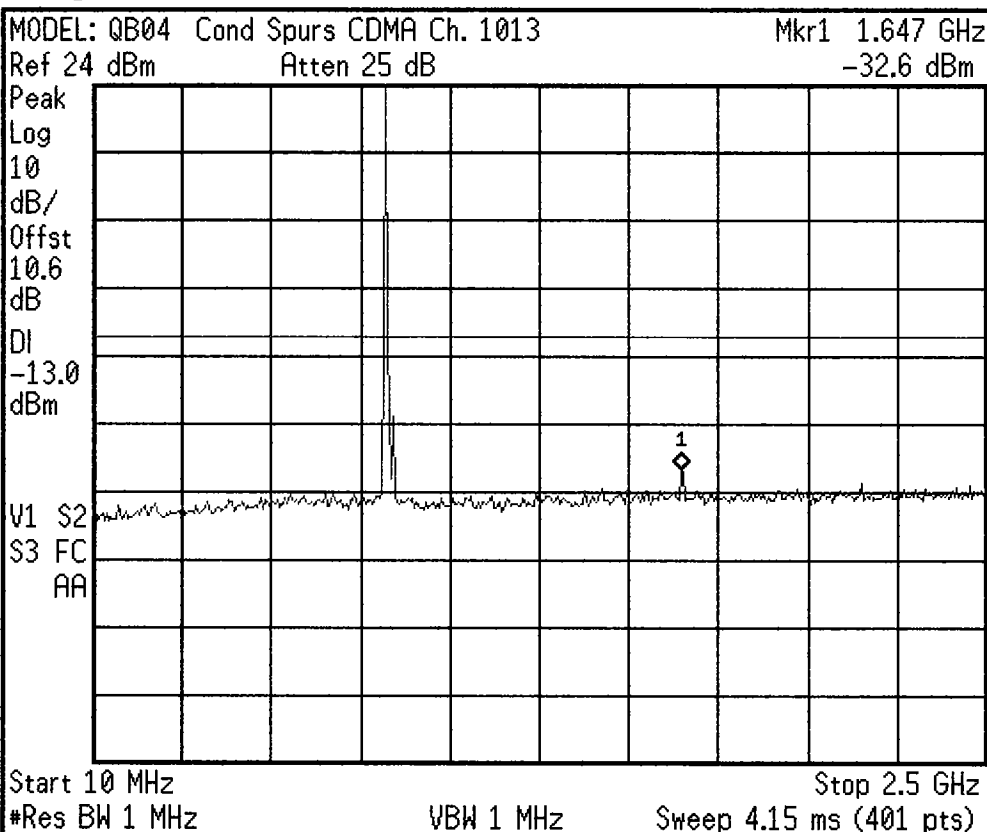
Scale Type  
 Log Lin

 FLEXTRONICS MODEL: QB04 FM MODE MKR 890.56 MHz  
REF -60.0 dBm ATTEN 10 dB PG 26.0 dB -97.57 dBm



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

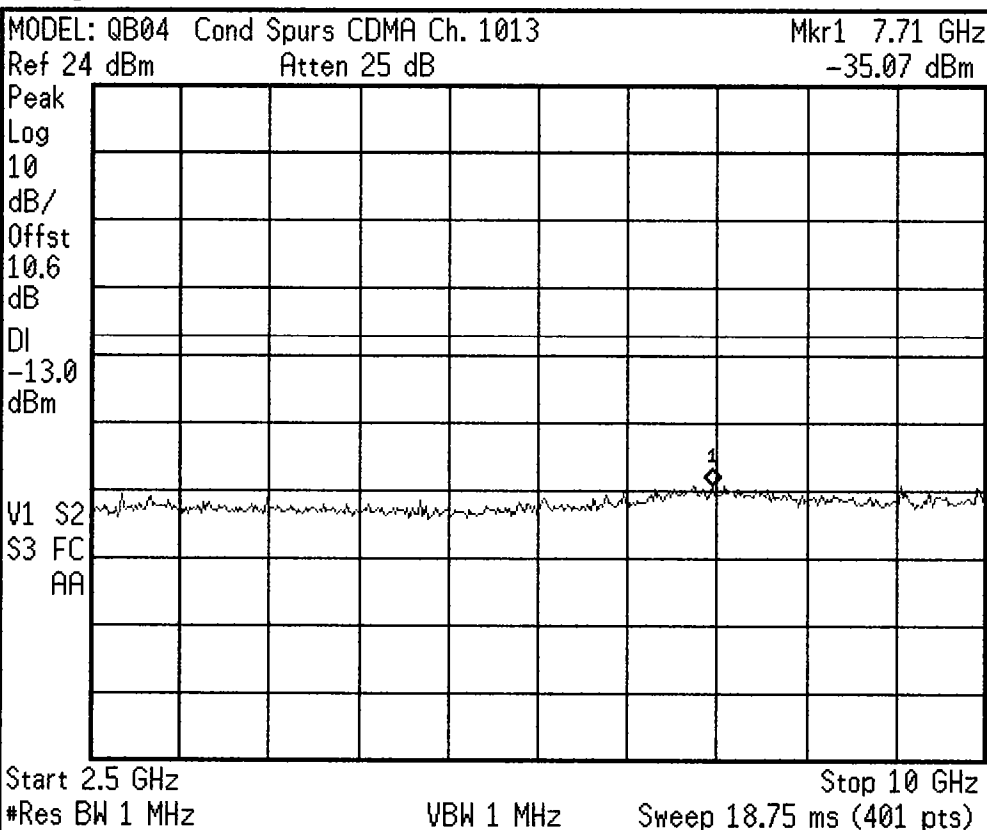
Freq Offset  
 0.00000000 Hz

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

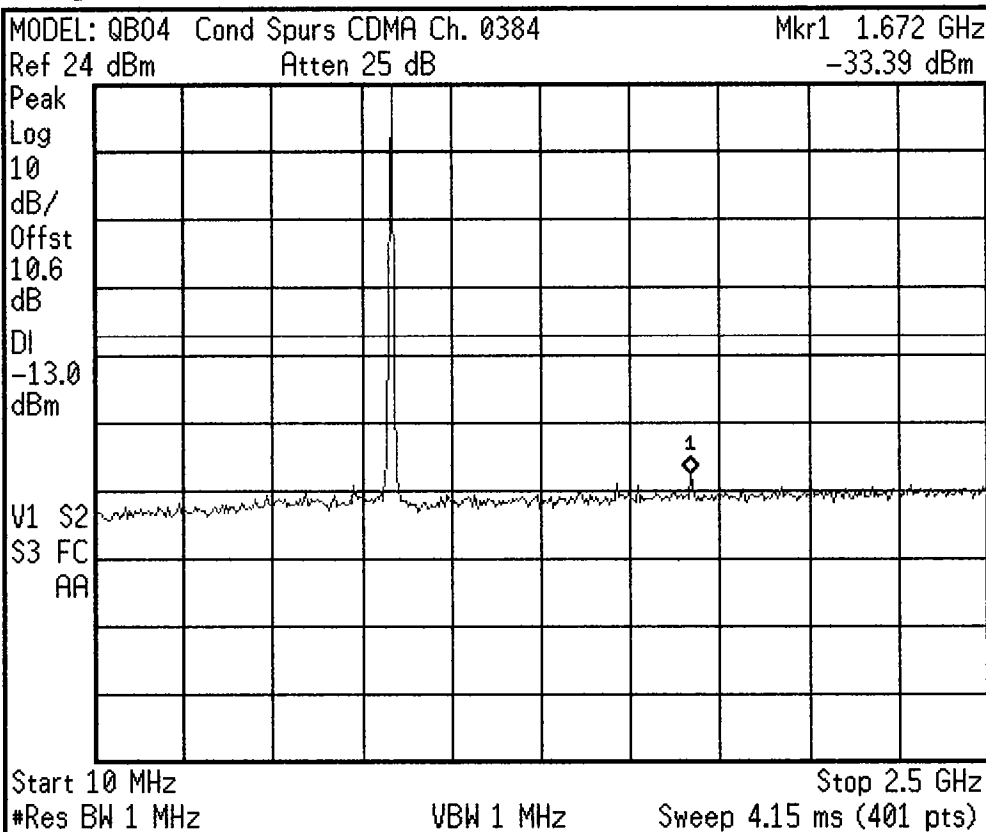
CF Step  
 750.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent



Freq/Channel

Center Freq  
 1.25500000 GHz

Start Freq  
 10.0000000 MHz

Stop Freq  
 2.50000000 GHz

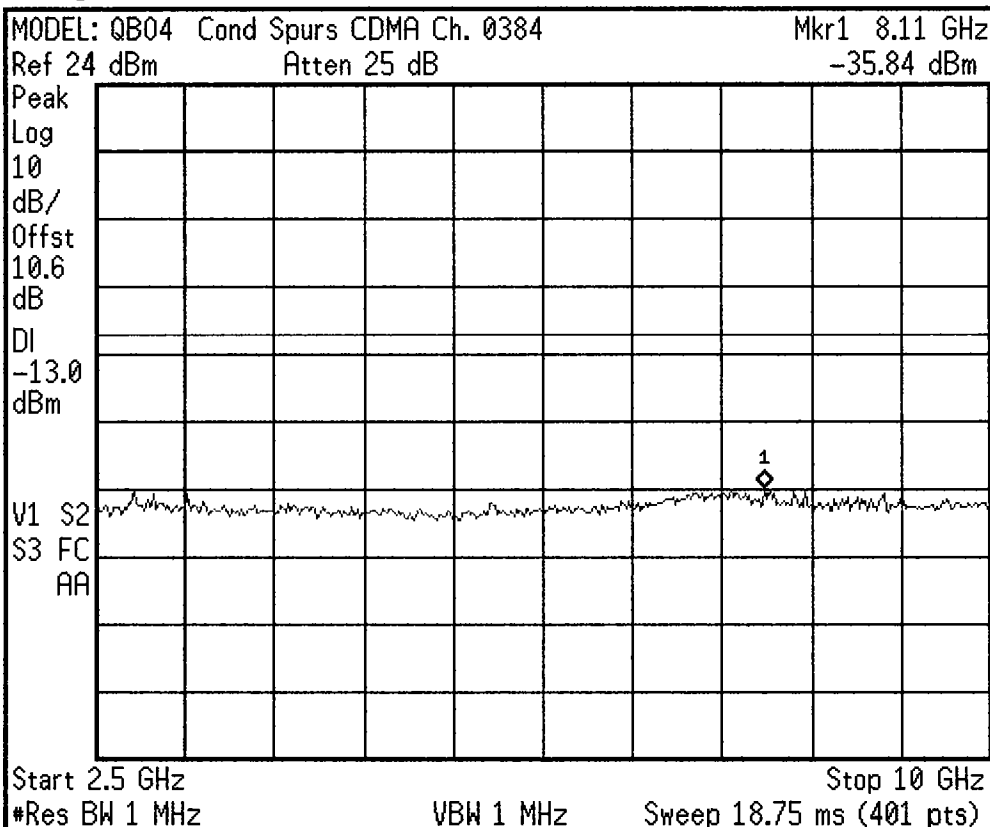
CF Step  
 249.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

Scale Type  
 Log Lin

Agilent



Freq/Channel

Center Freq  
 6.25000000 GHz

Start Freq  
 2.50000000 GHz

Stop Freq  
 10.0000000 GHz

CF Step  
 750.000000 MHz  
 Auto Man

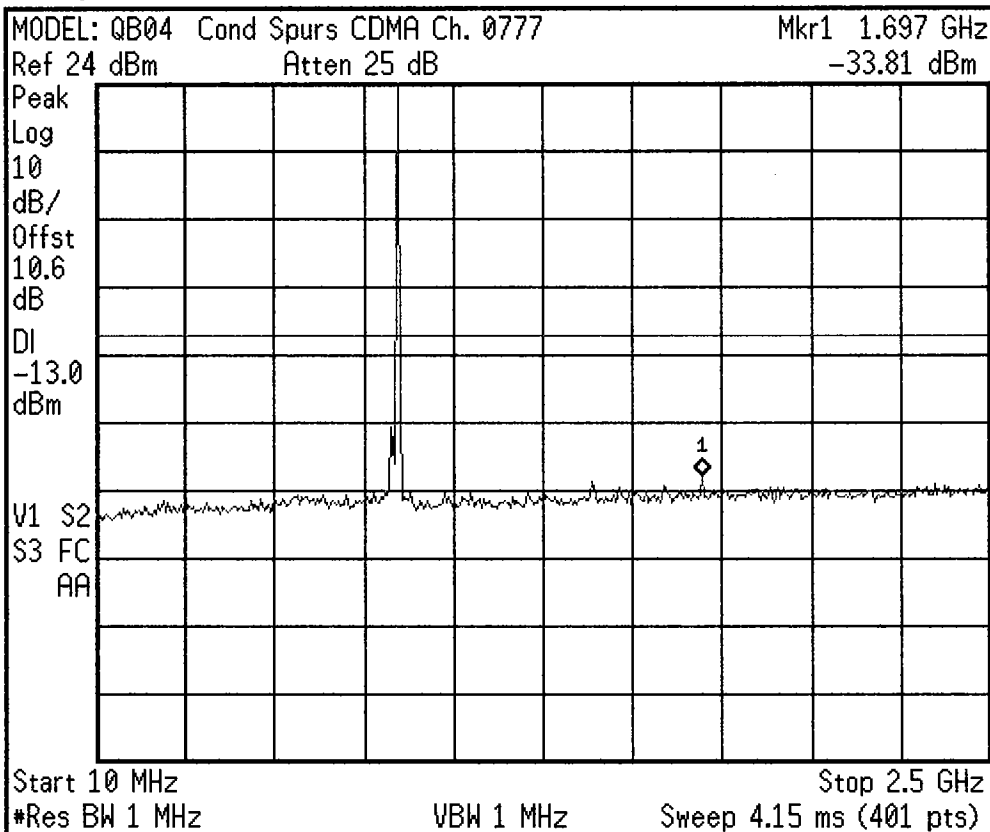
Freq Offset  
 0.00000000 Hz

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

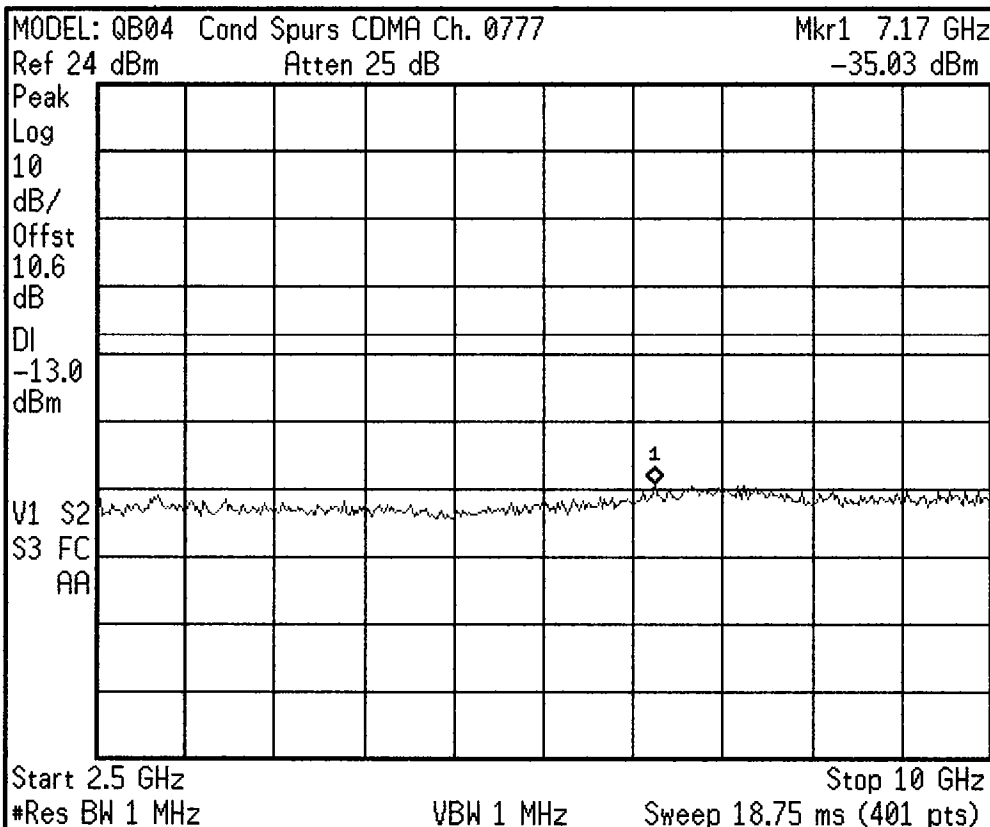
Freq Offset  
0.00000000 Hz

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: QB04 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: QB04 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

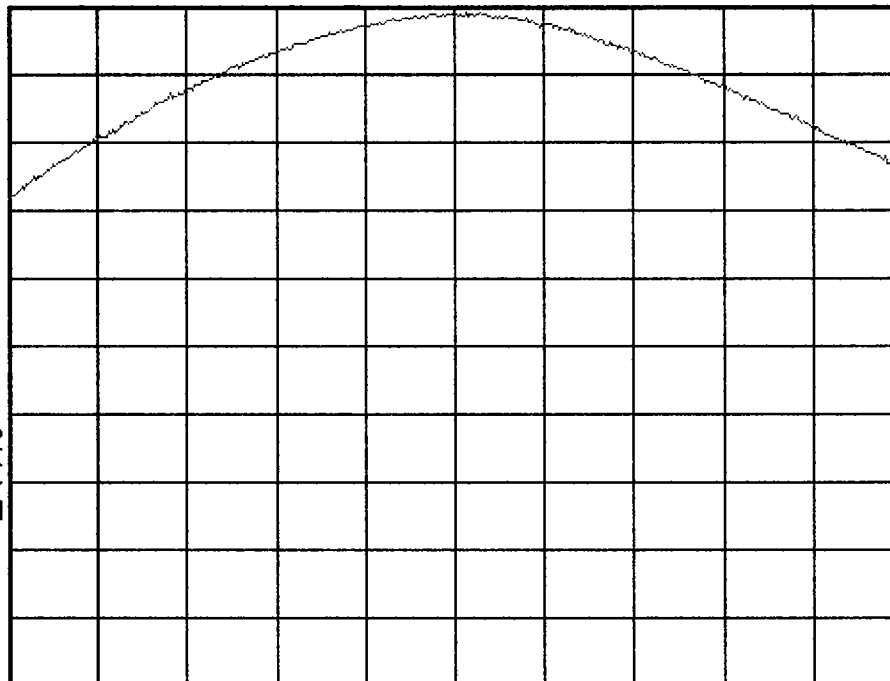
MODEL: QB04 Power Out CDMA Ch. 0384

Ref 24 dBm

Atten 25 dB

Samp  
Log  
10  
dB/  
Offst  
10.6  
dB

VAvg  
100  
V1 S2  
S3 FC  
AA



Center 836.5 MHz

Span 10 MHz

\*Res BW 3 MHz

VBW 3 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

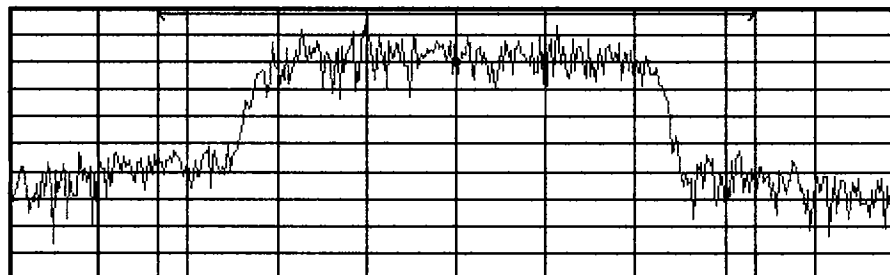
Channel Power

MODEL: QB04 Power Out CDMA Ch. 0384

Ref 24 dBm

Atten 25 dB

\*Avg  
Log  
10  
dB/  
Offst  
10.6  
dB



Center 836.5 MHz

Span 3 MHz

Res BW 30 kHz

VBW 300 kHz

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

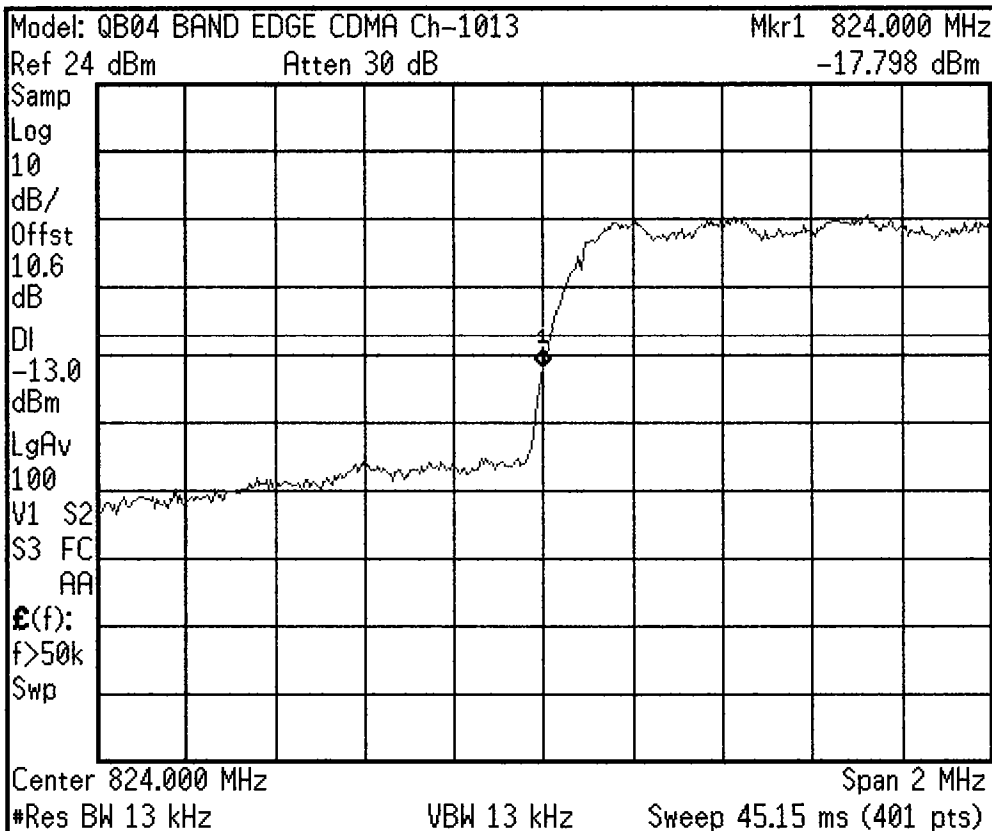
Power Spectral Density

24.05 dBm /2.0000 MHz

-38.96 dBm/Hz

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L



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Freq/Channel

Center Freq  
 824.000000 MHz

Start Freq  
 823.000000 MHz

Stop Freq  
 825.000000 MHz

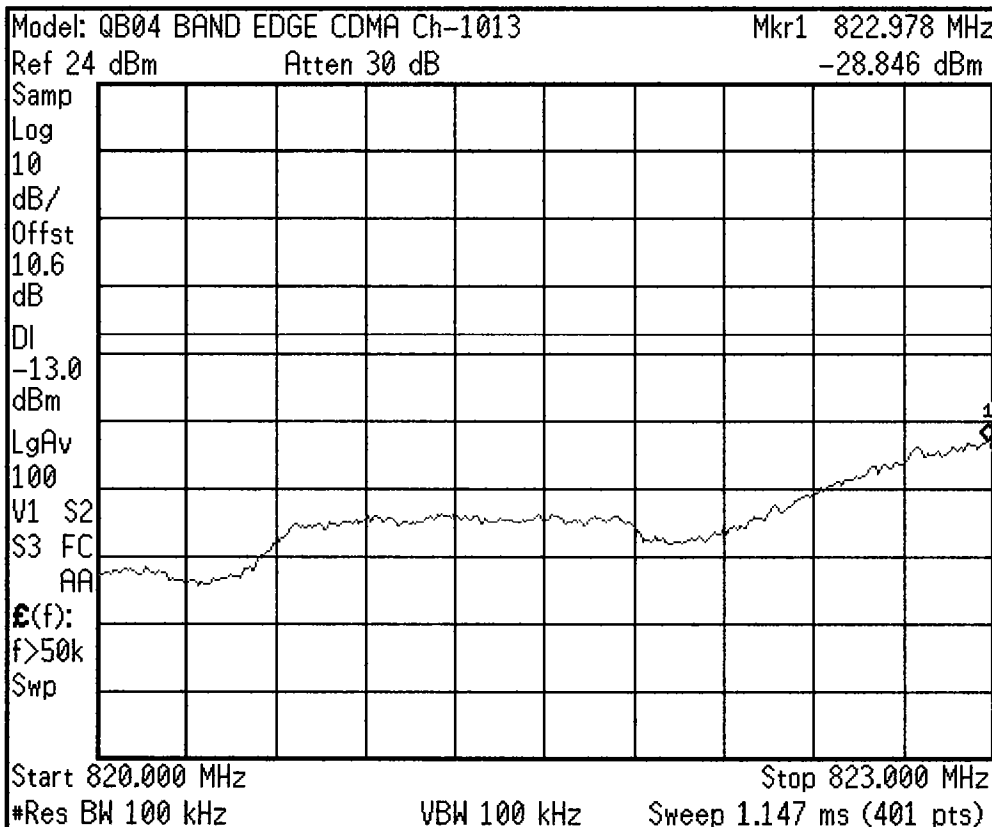
CF Step  
 200.000000 kHz  
 Auto Man

Freq Offset  
 0.0000000 Hz

Signal Track  
 On Off

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L



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Freq/Channel

Center Freq  
 821.500000 MHz

Start Freq  
 820.000000 MHz

Stop Freq  
 823.000000 MHz

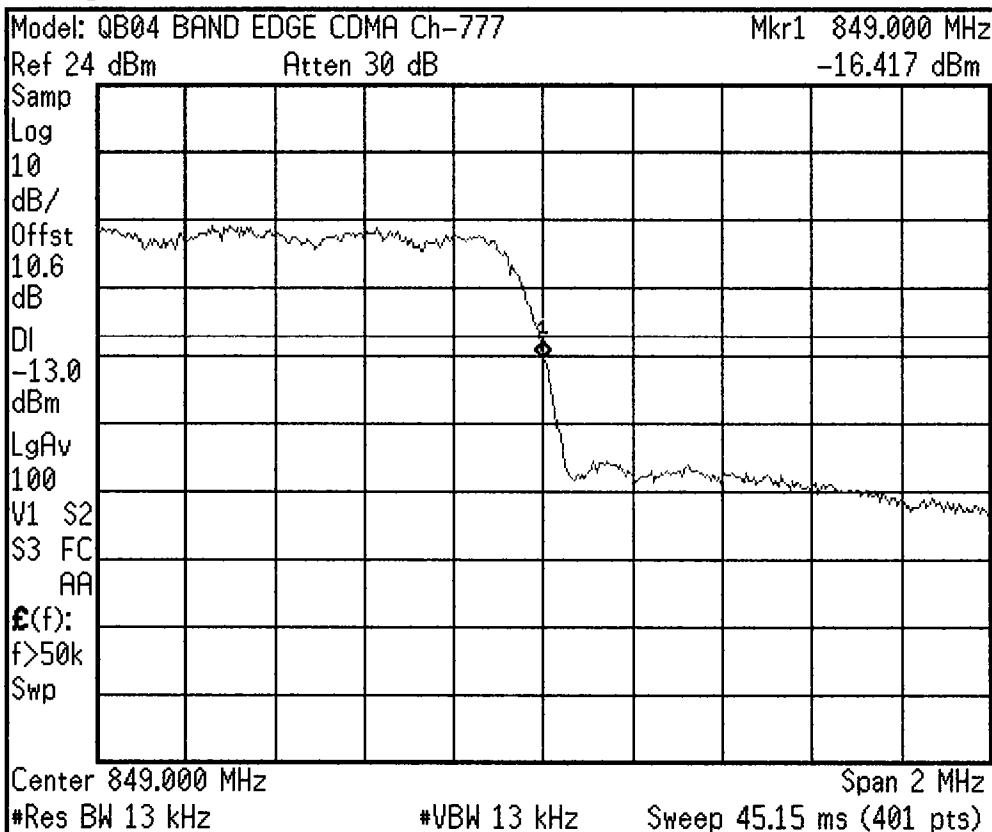
CF Step  
 300.000000 kHz  
 Auto Man

Freq Offset  
 0.0000000 Hz

Signal Track  
 On Off

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L



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Freq/Channel

Center Freq  
849.000000 MHz

Start Freq  
848.000000 MHz

Stop Freq  
850.000000 MHz

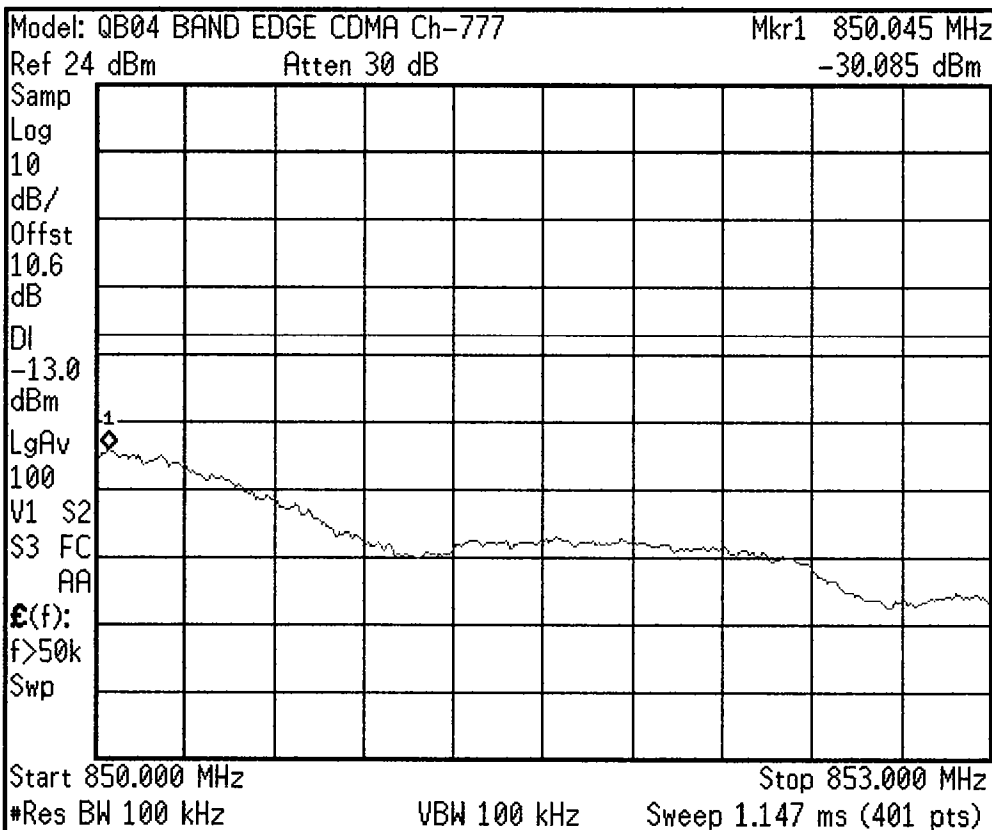
CF Step  
200.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

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Freq/Channel

Center Freq  
851.500000 MHz

Start Freq  
850.000000 MHz

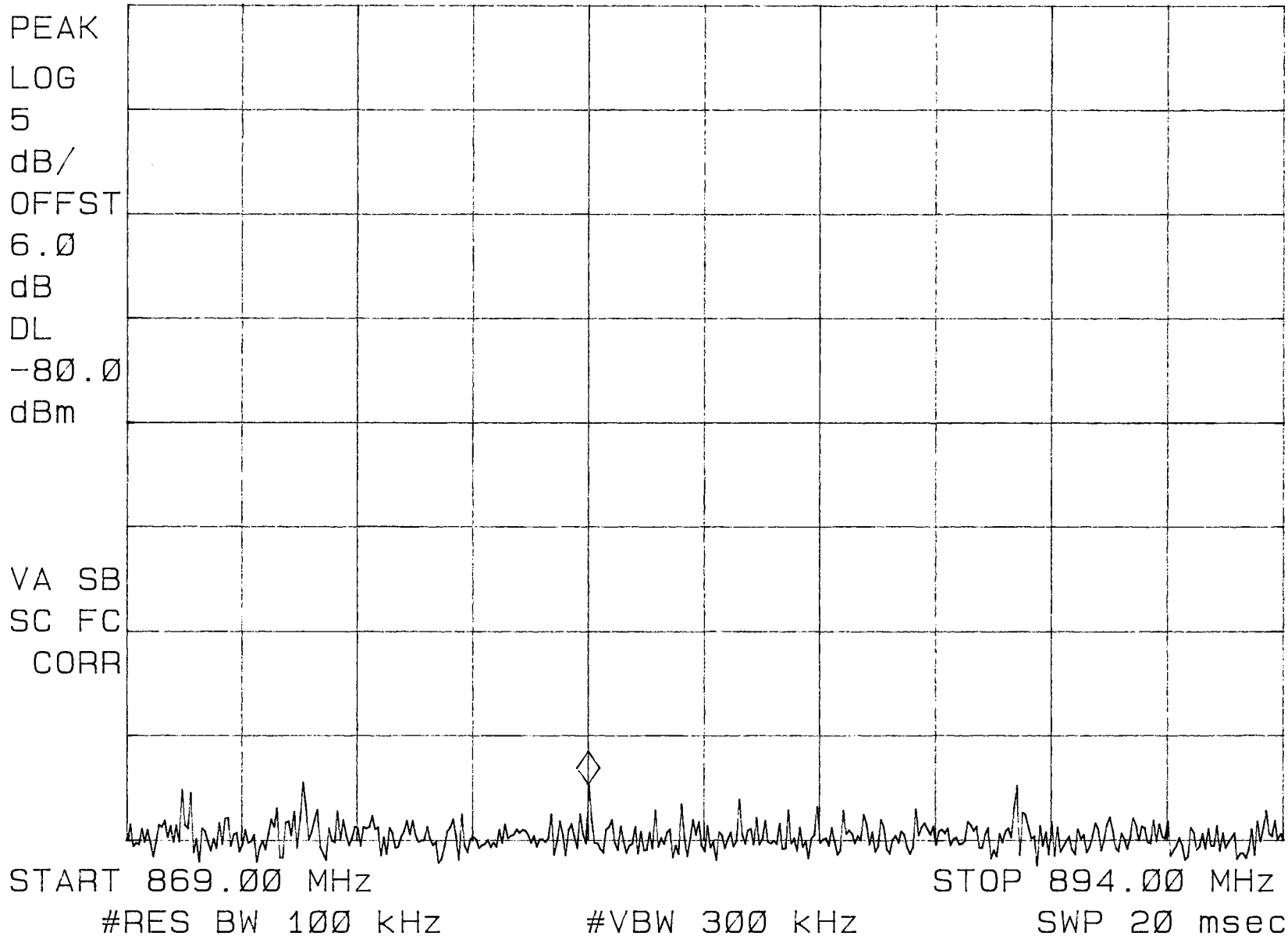
Stop Freq  
853.000000 MHz

CF Step  
300.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

~~/P~~ FLEXTRONICS MODEL: QB04 CDMA MODE MKR 879.00 MHz  
REF -60.0 dBm ATTEN 10 dB PG 26.0 dB -97.33 dBm



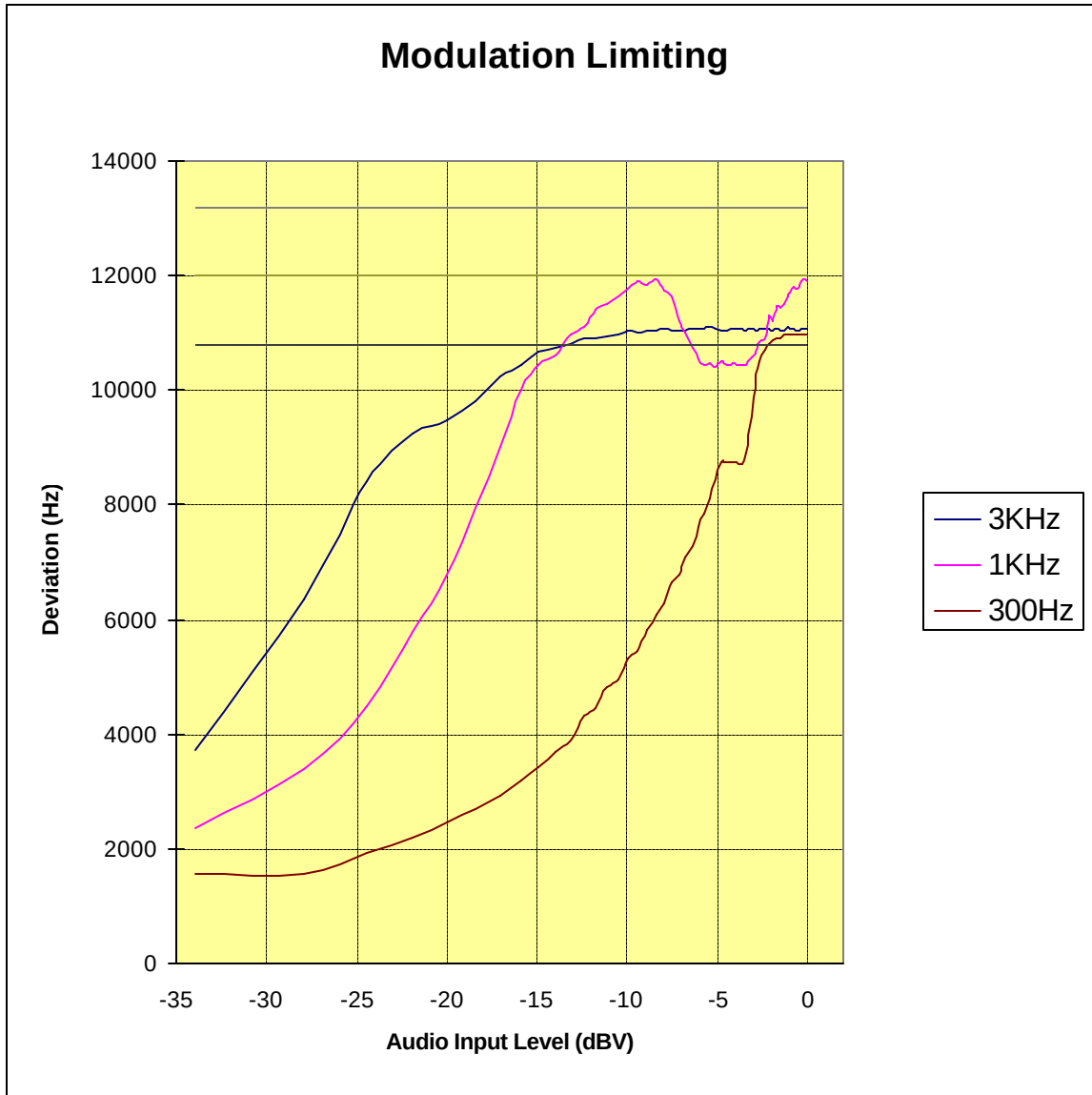
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.230414189.Q3O  
Test Date: 04.17.2003

**EUT:** FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)  
**Model:** QB04  
**FCC ID:** Q3OODM-QB04

**REFERENCE:** 1 kHz = 0 dB



FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)  
FCC ID: Q3OODM-QB04

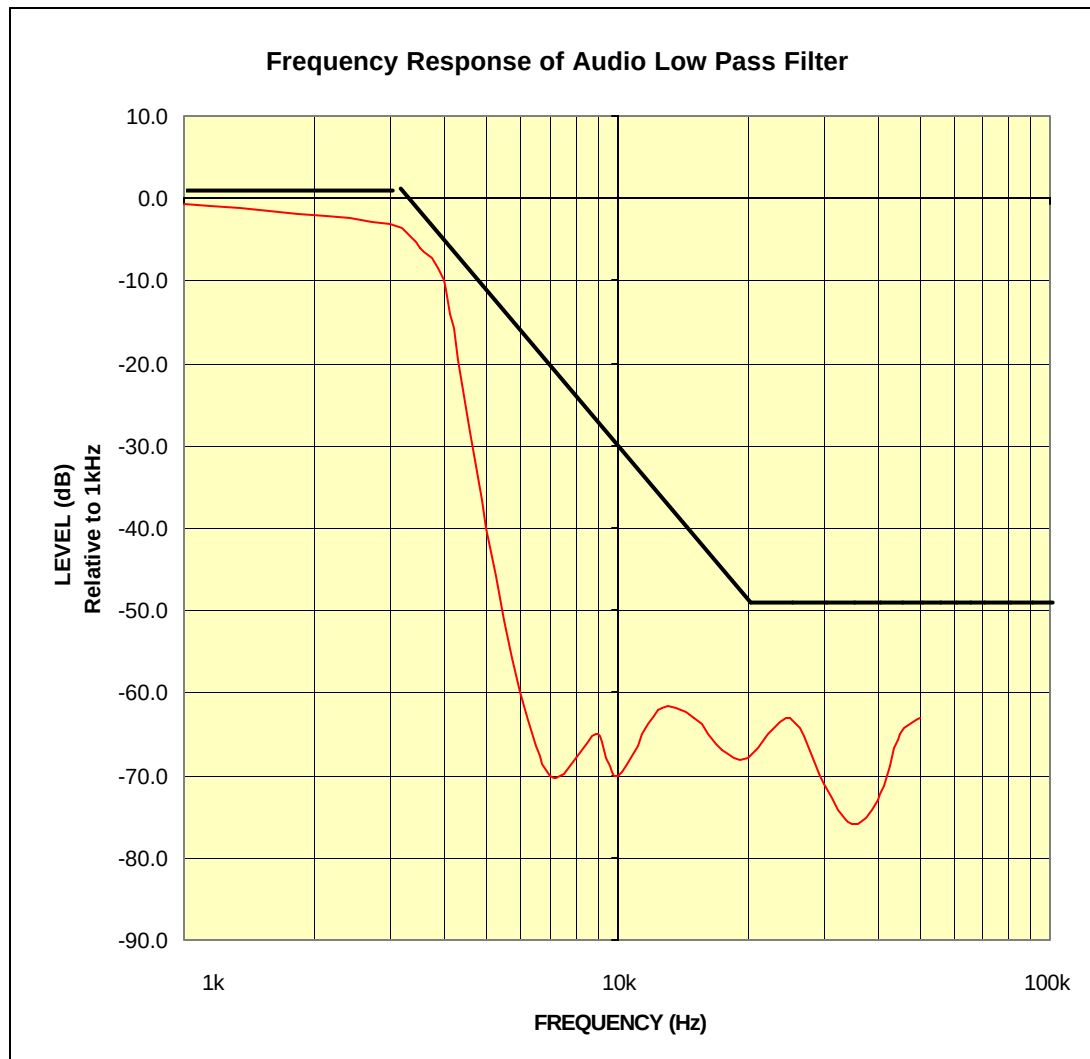
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.230414189.Q3O  
Test Date: 04.17.2003

**EUT:** FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)  
**Model:** QB04  
**FCC ID:** Q3OODM-QB04

**REFERENCE:** 1 kHz = 0 dB



FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)  
FCC ID: Q3OODM-QB04

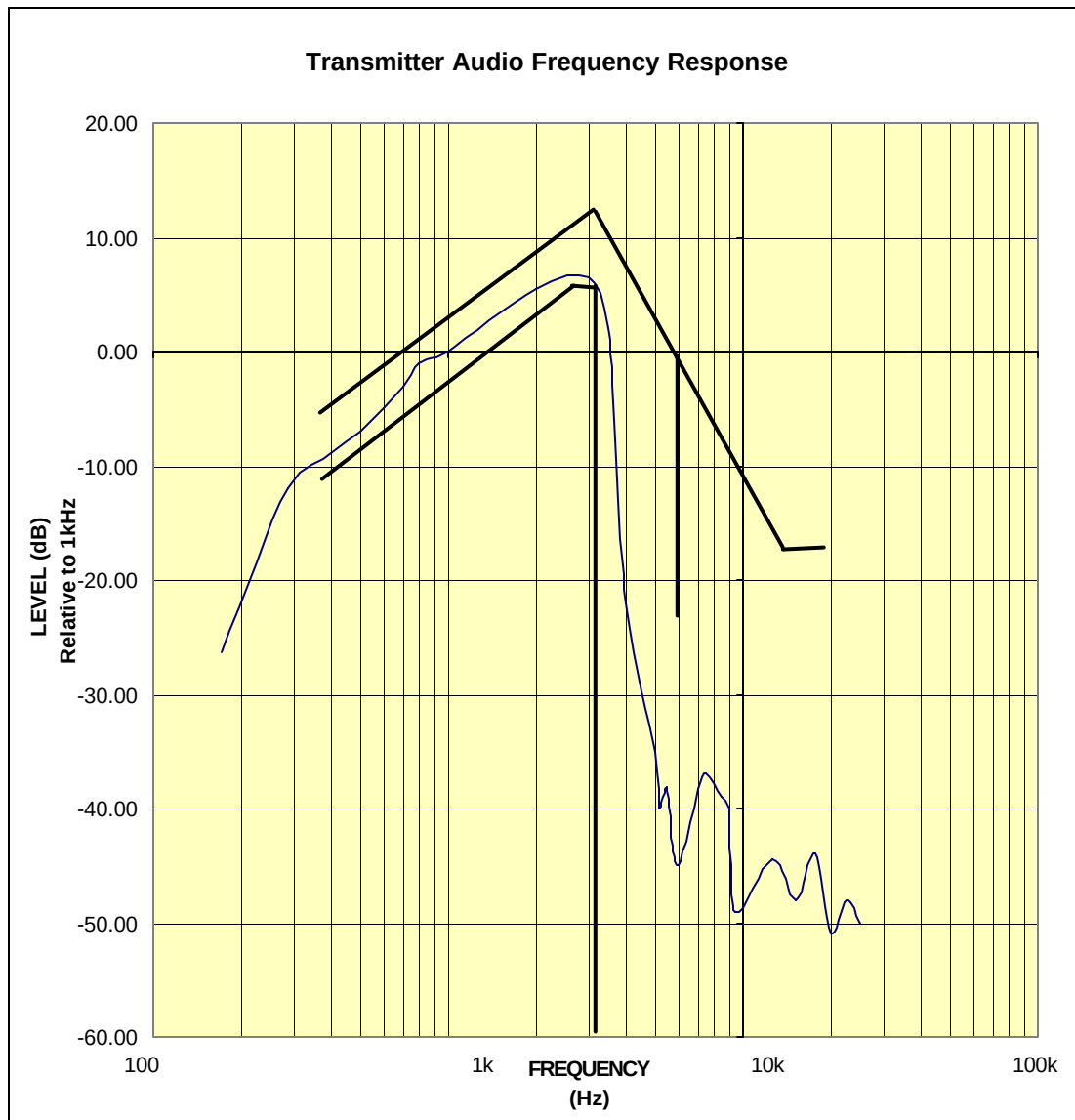
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 22

Test Report No.: 22.230414189.Q3O  
Test Date: 04.17.2003

**EUT:** FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)  
**Model:** QB04  
**FCC ID:** Q3OODM-QB04

**REFERENCE:** 1 kHz = 0 dB



FLEXTRONICS Dual-Mode Cellular Phone (AMPS/CDMA)  
FCC ID: Q3OODM-QB04