

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJLX5550

LG Electronics

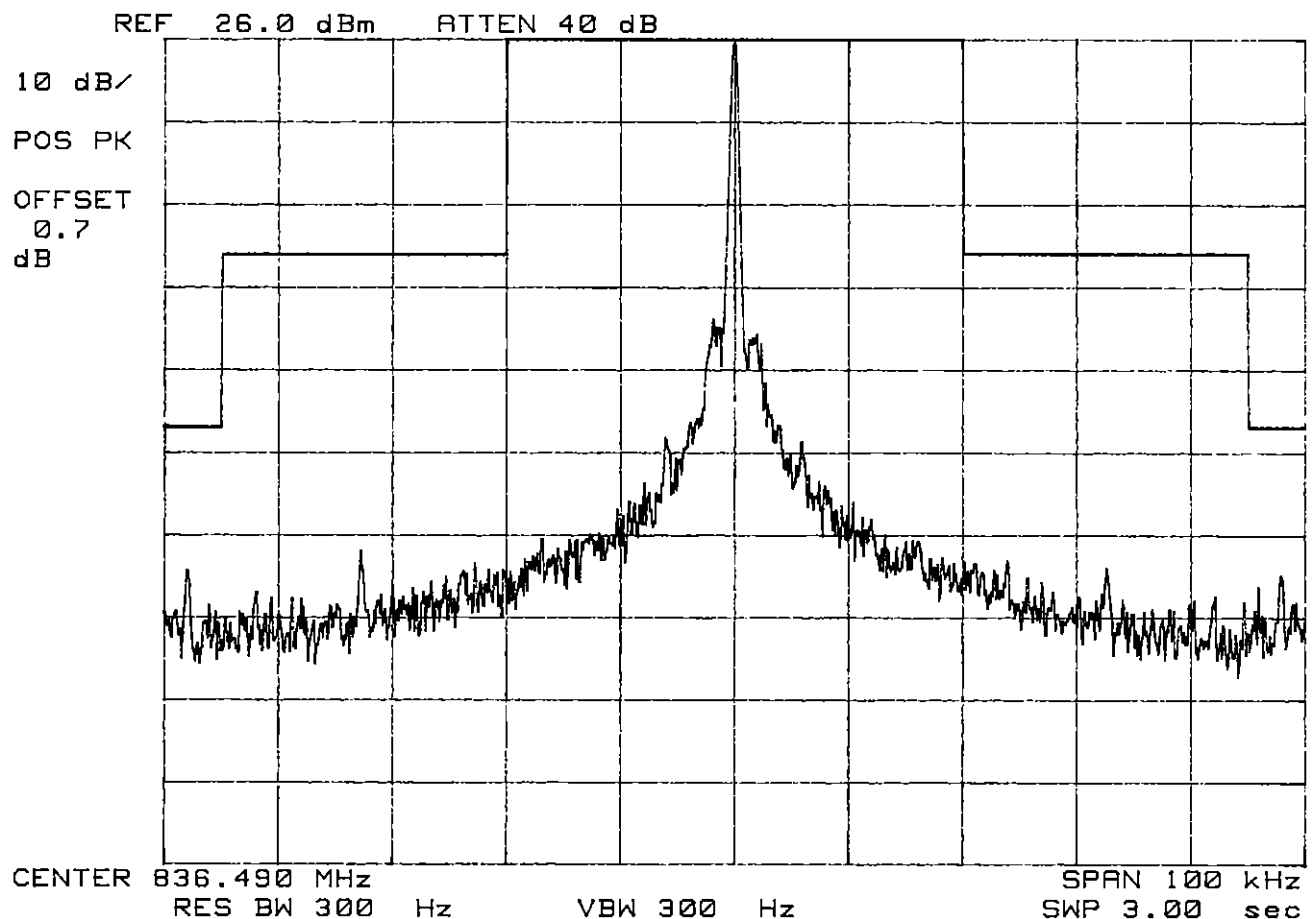
Tri-Mode Phone

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:BEJLX5550

LG Electronics

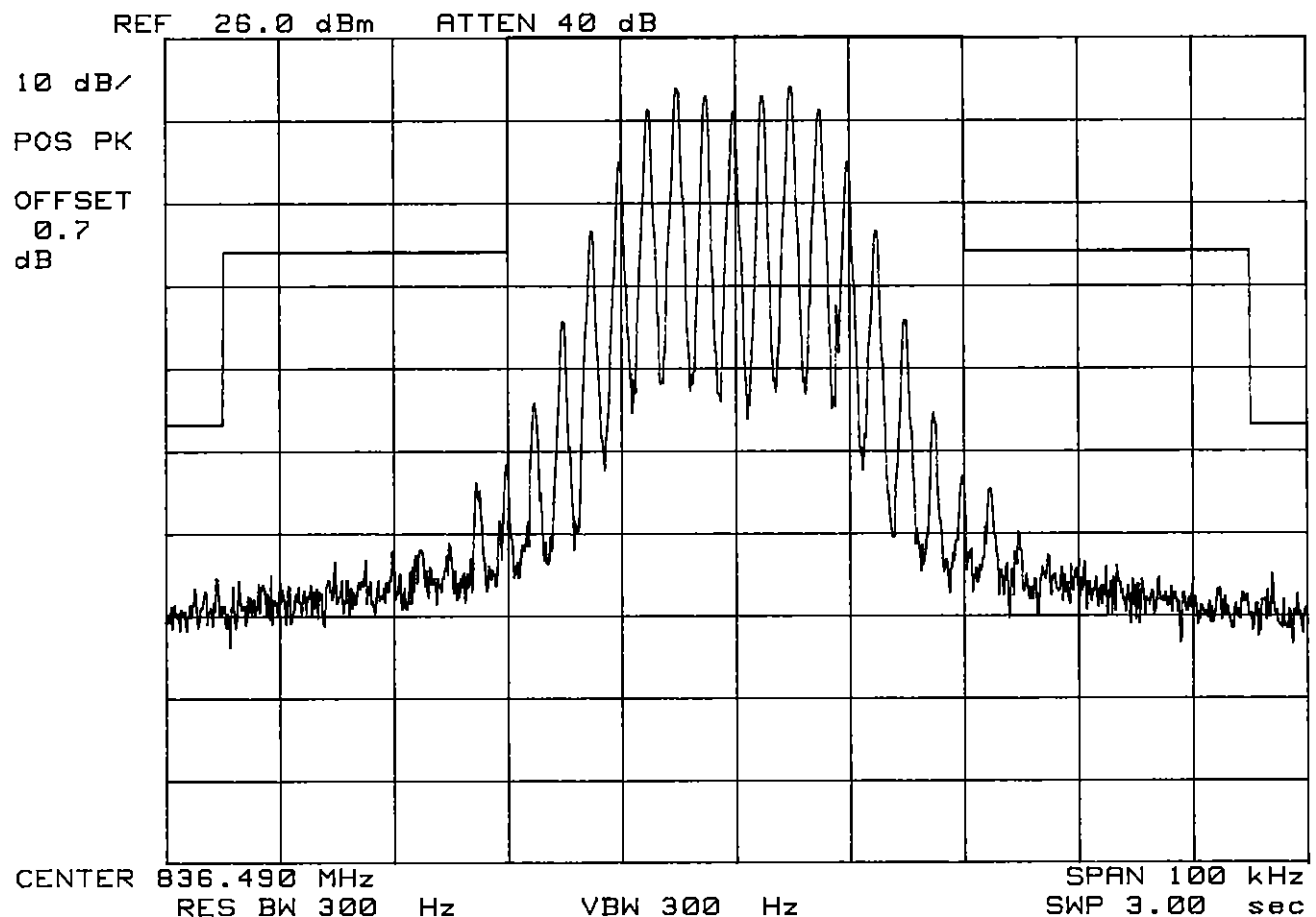
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJLX5550

LG Electronics

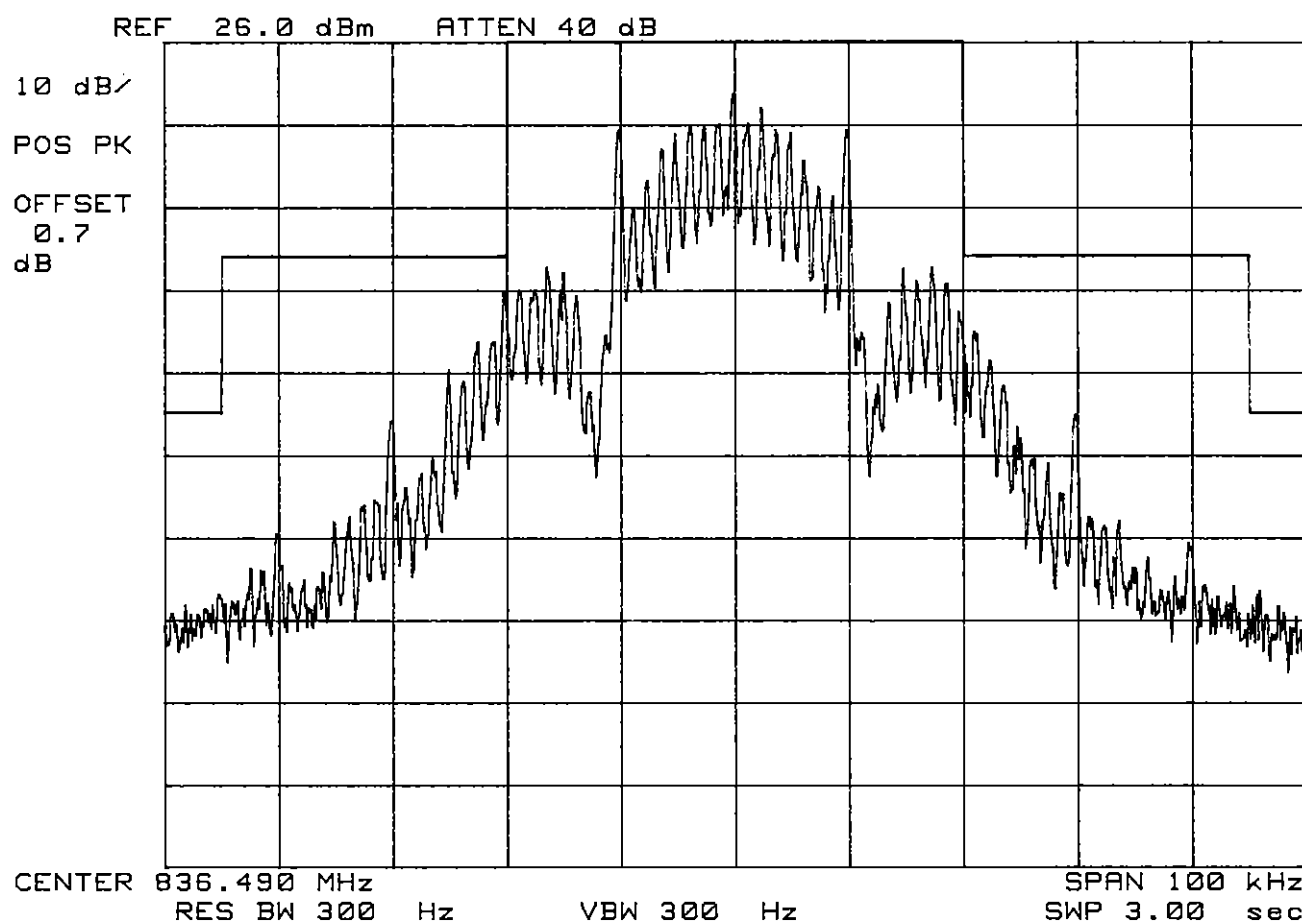
Tri-Mode Phone

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:BEJLX5550

LG Electronics

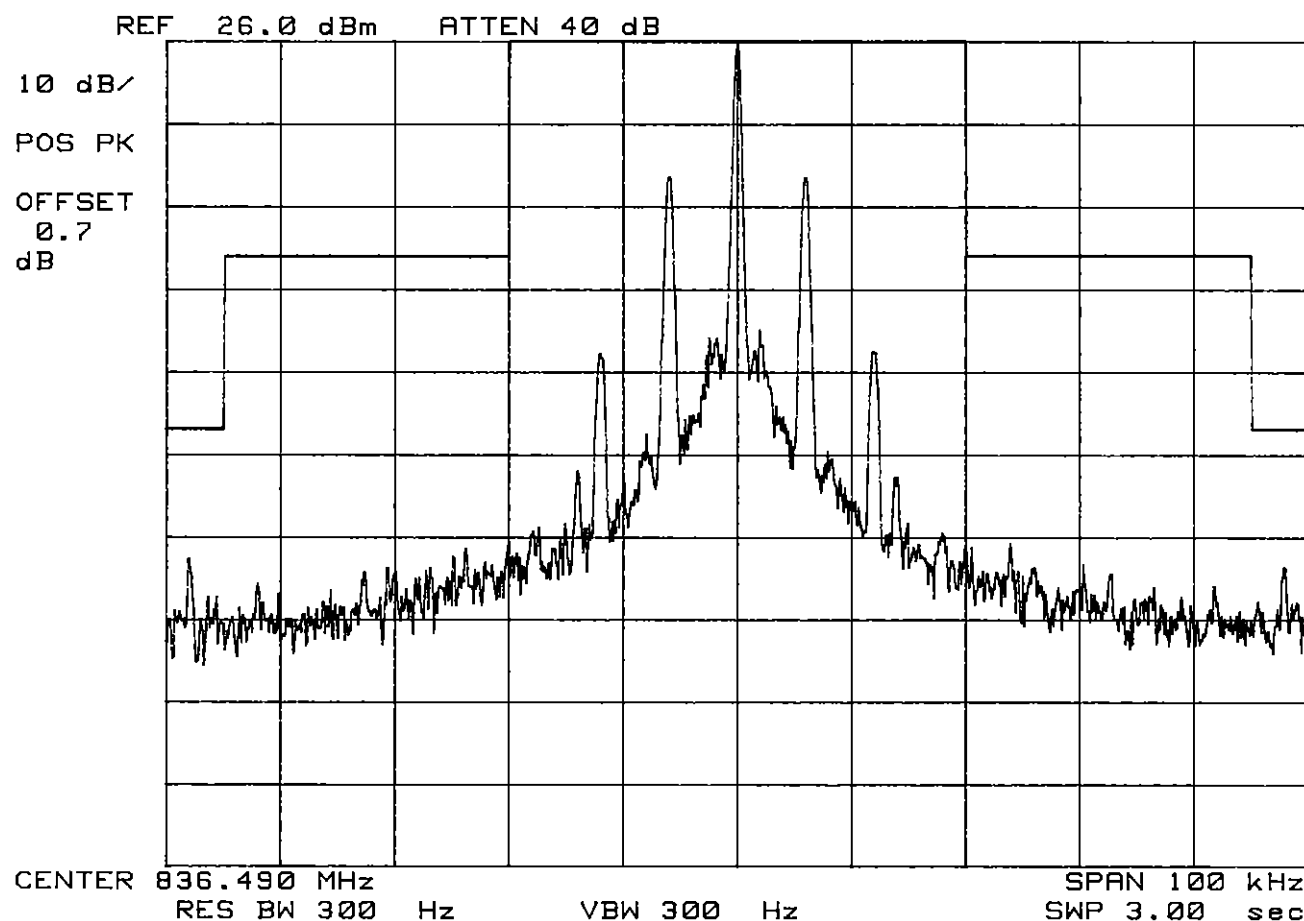
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJLX5550

LG Electronics

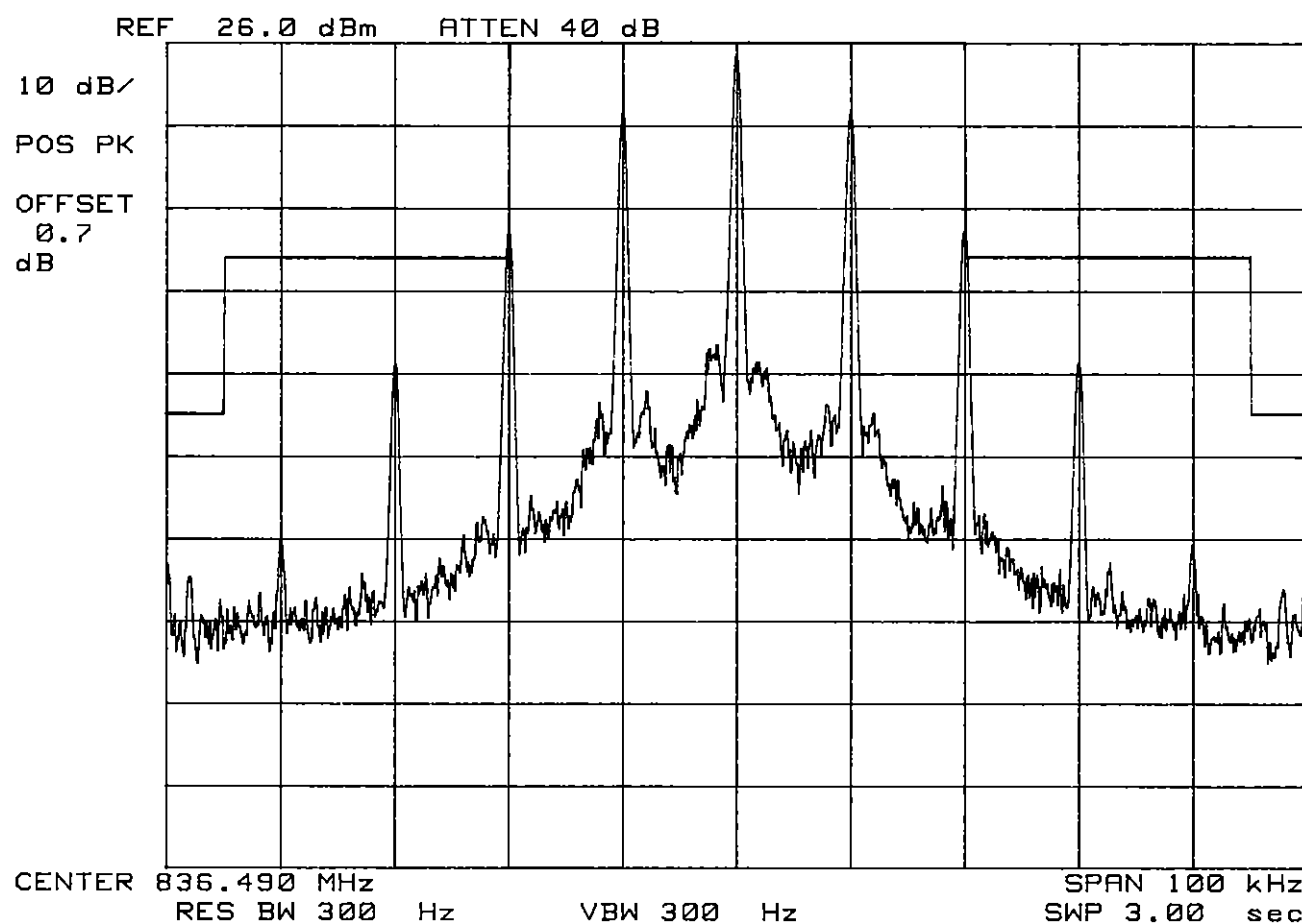
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:BEJLX5550

LG Electronics

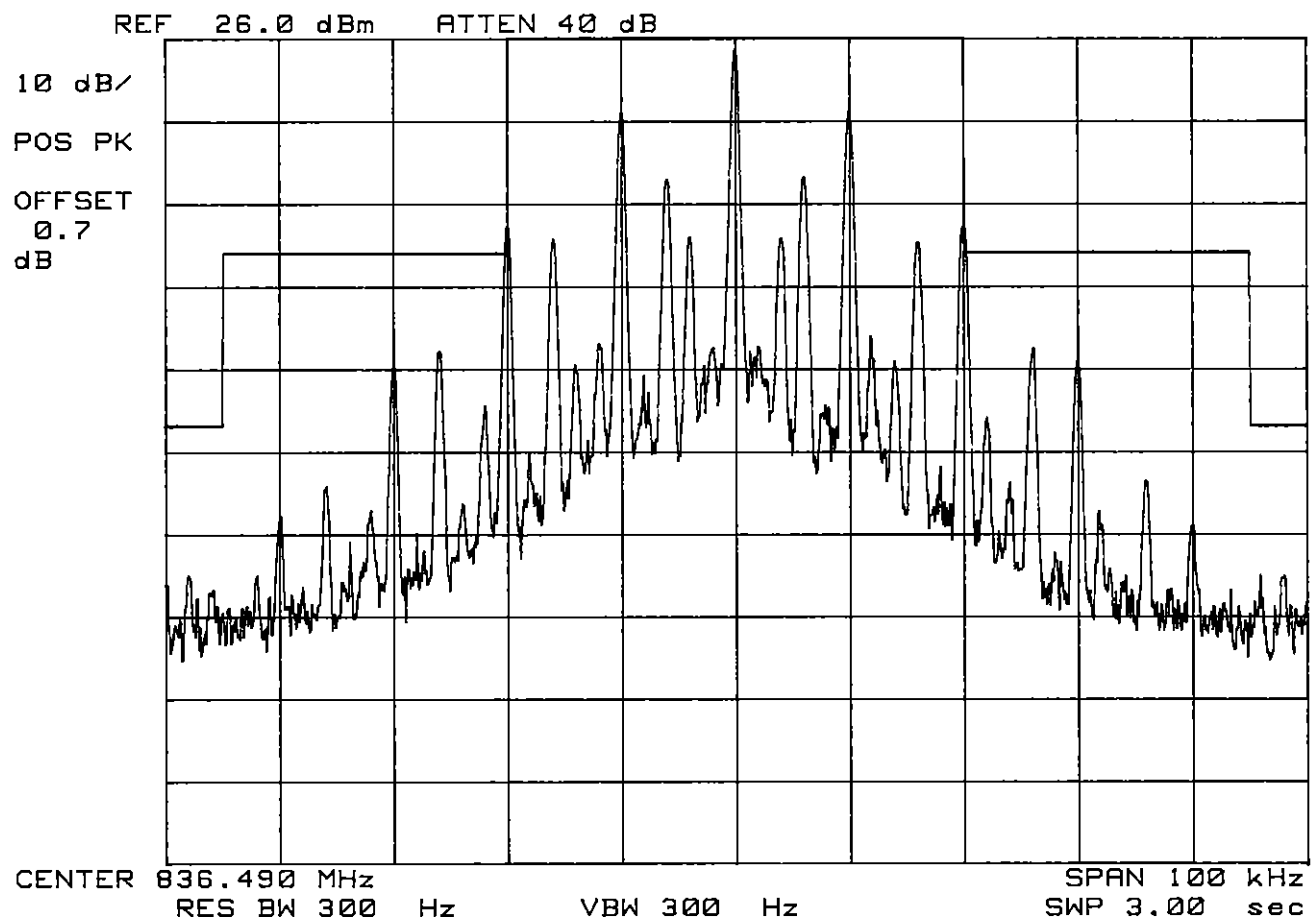
Tri-Mode Phone

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:BEJLX5550

LG Electronics

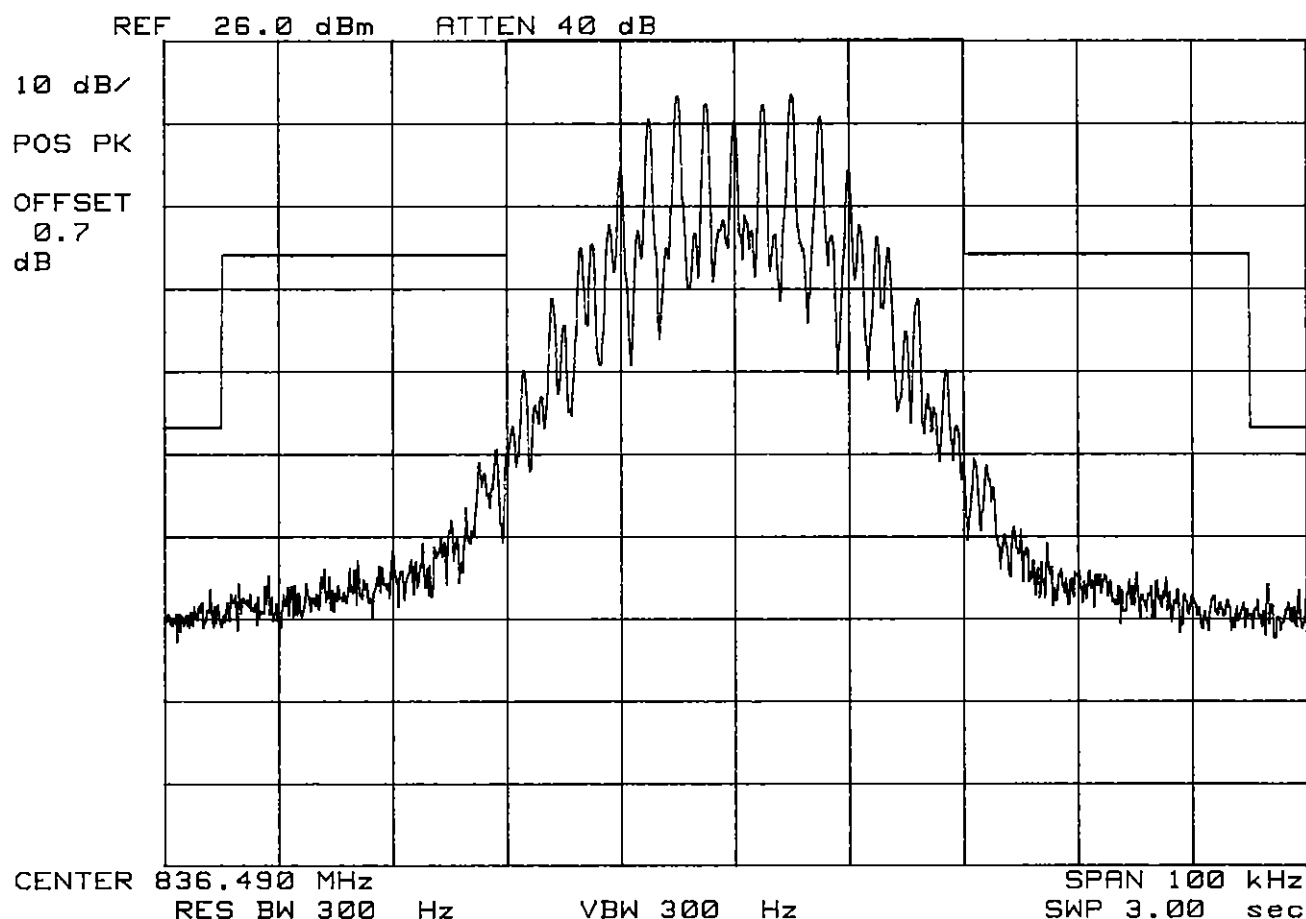
Tri-Mode Phone

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:BEJLX5550

LG Electronics

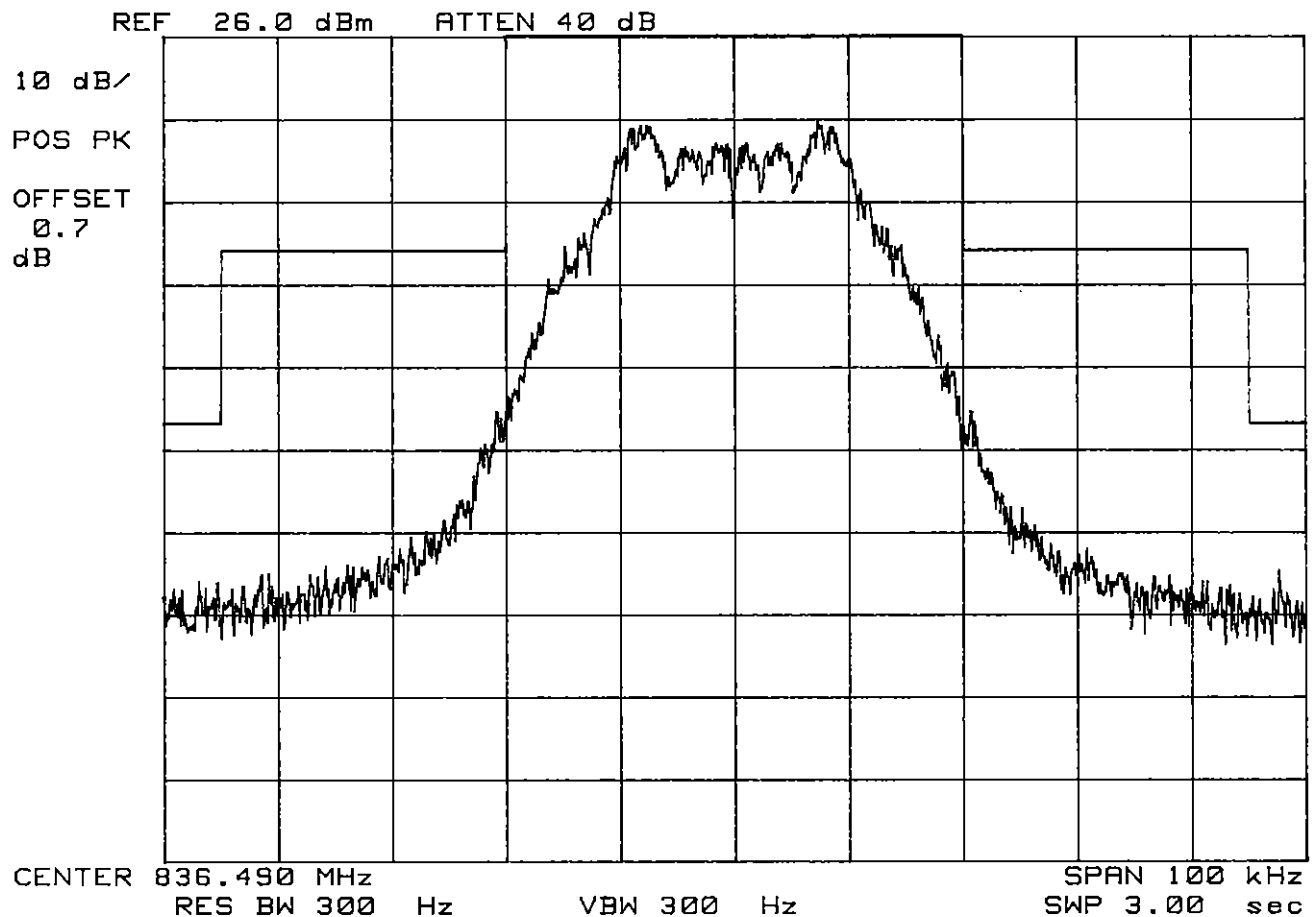
Tri-Mode Phone

FM Channel 383

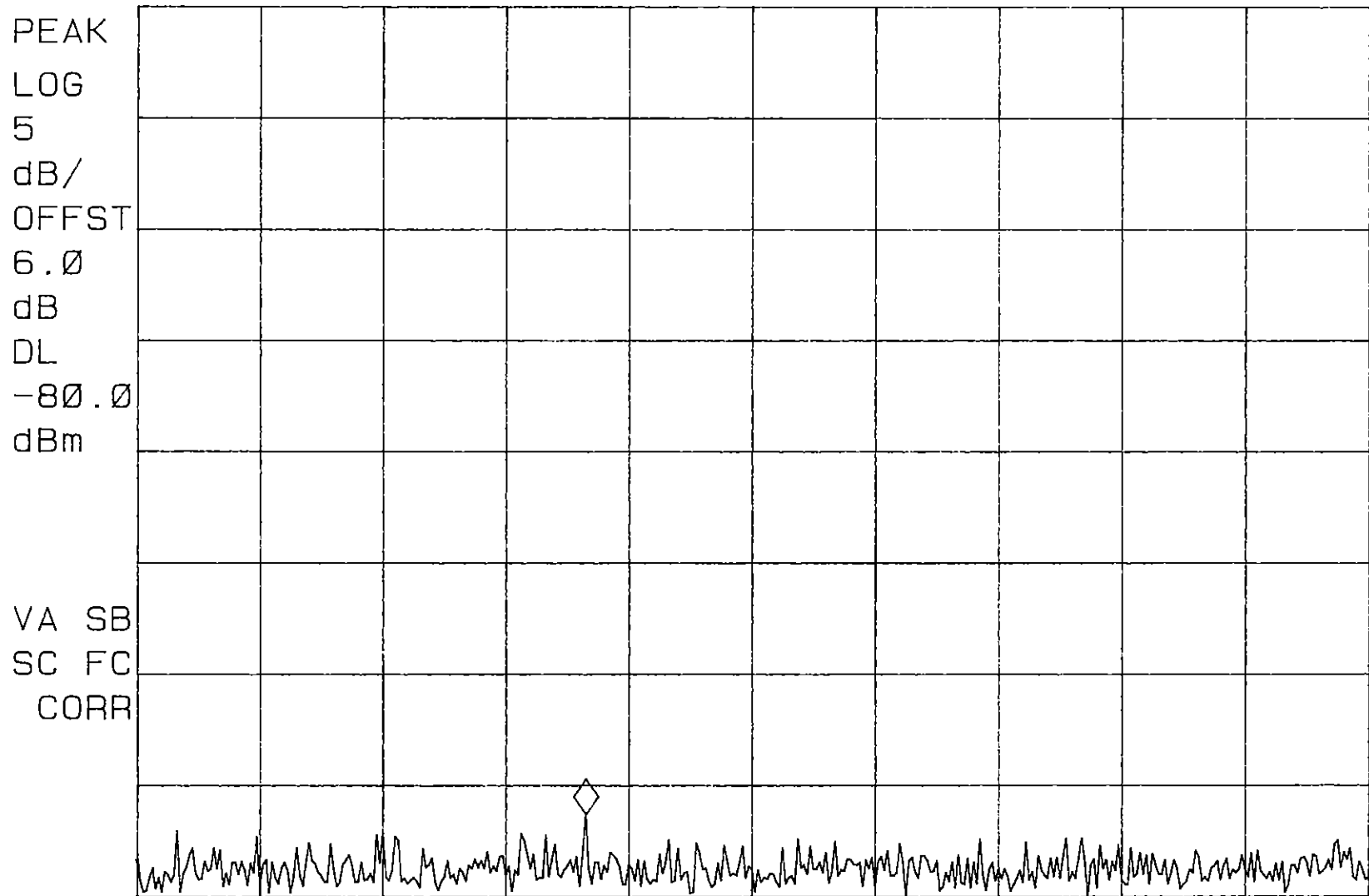
Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:SAT + DTMF

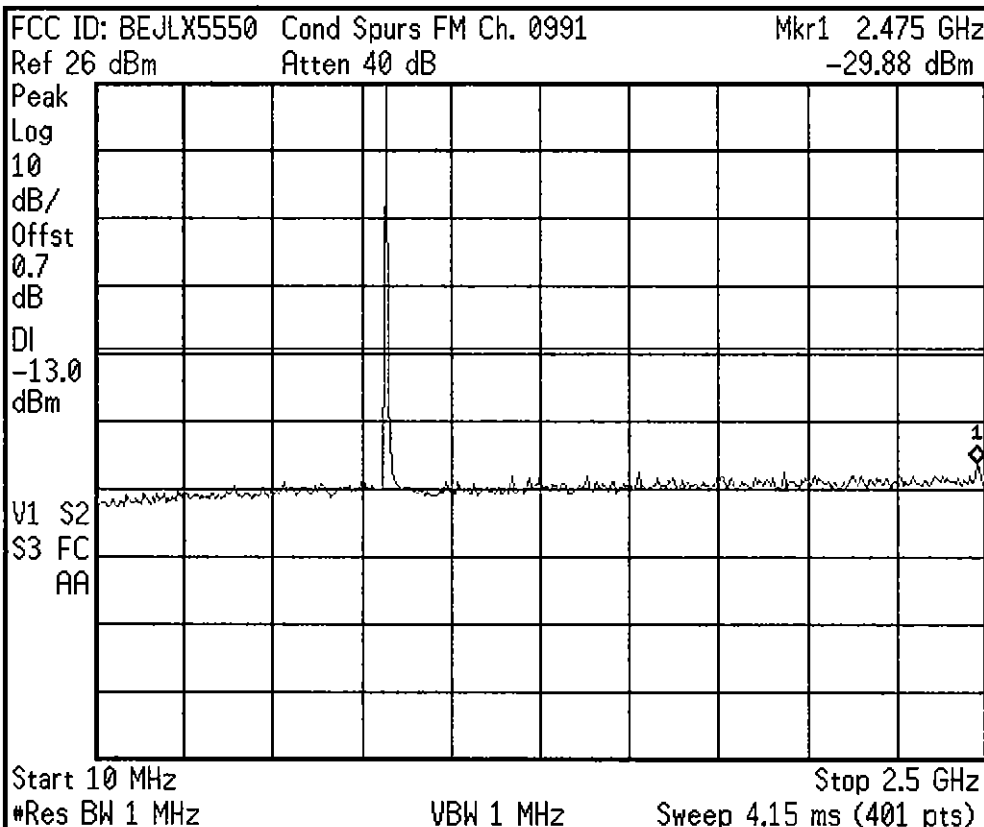


~~h~~ FCC ID: BEJLX5550 FM MODE MKR 878.12 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -96.30 dBm



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

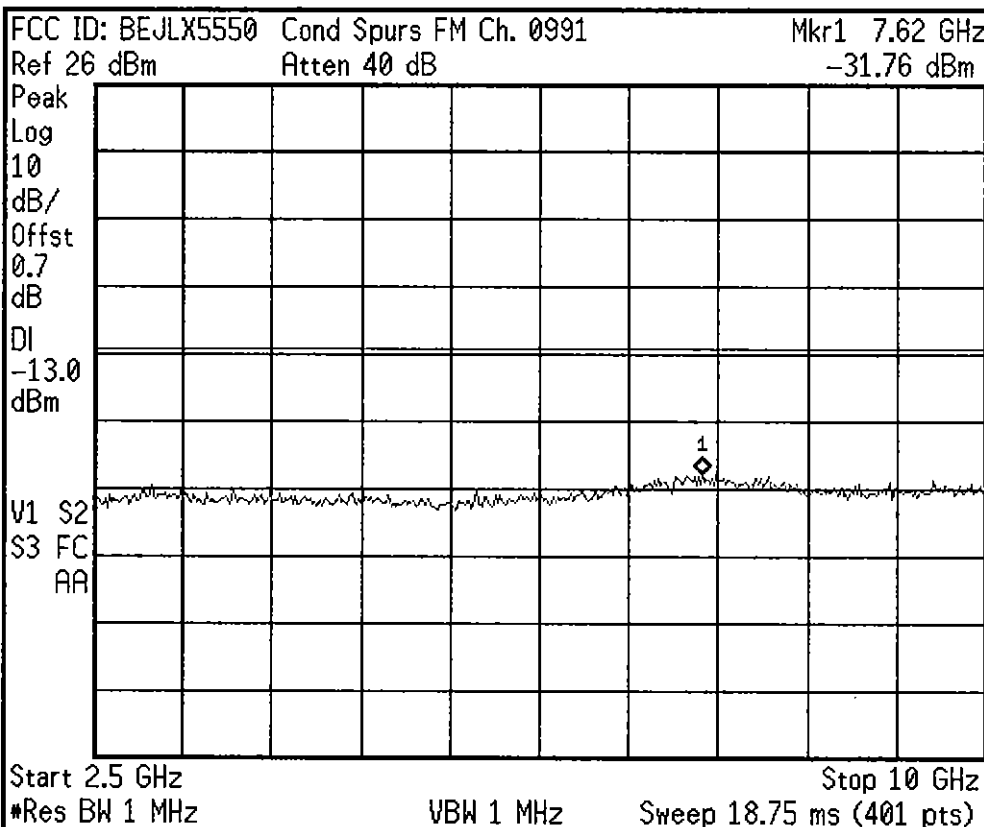
Freq Offset
 0.00000000 Hz

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

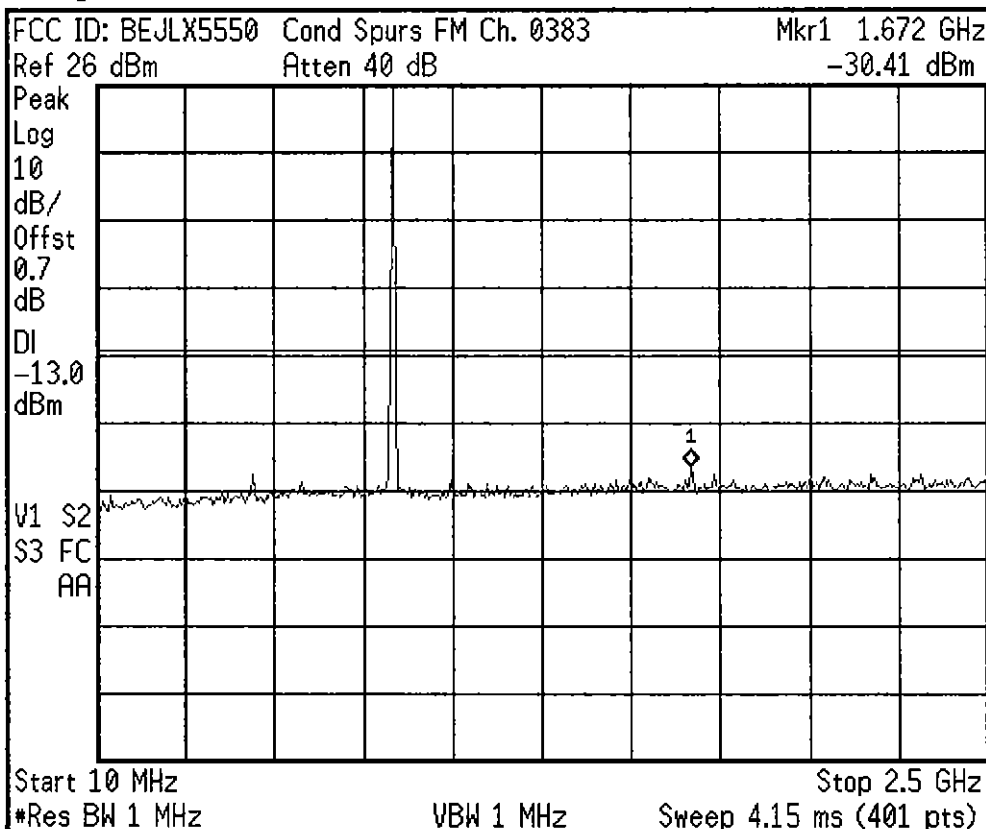
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

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

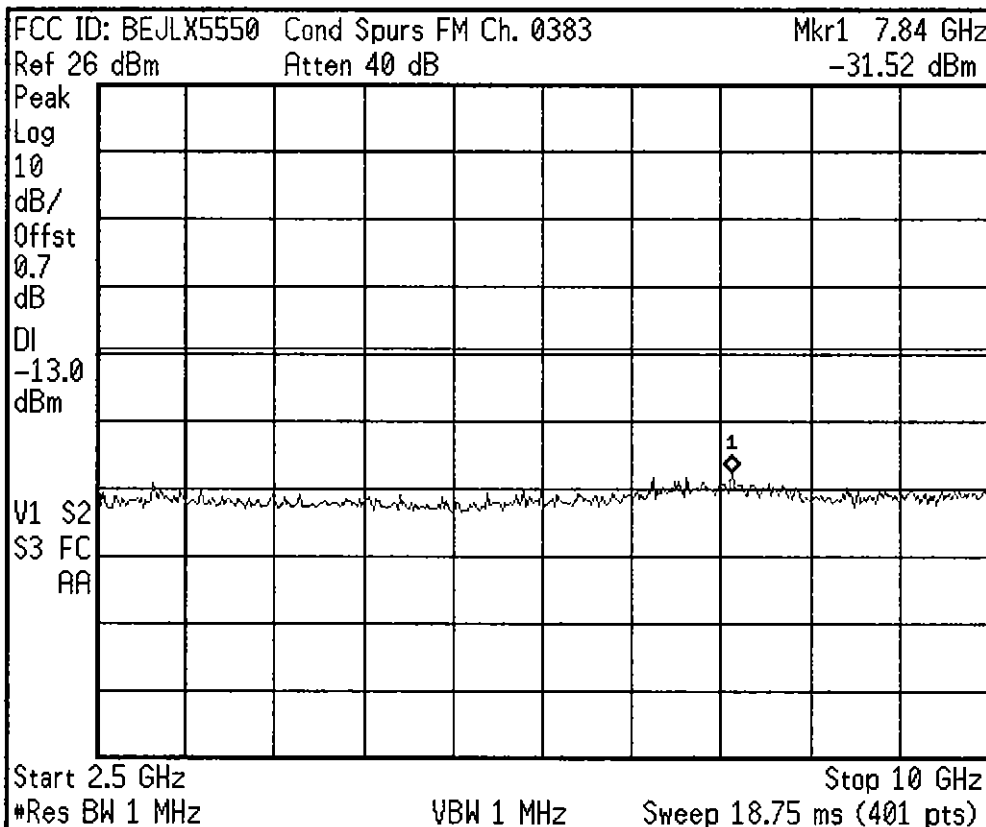
Freq Offset
 0.00000000 Hz

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

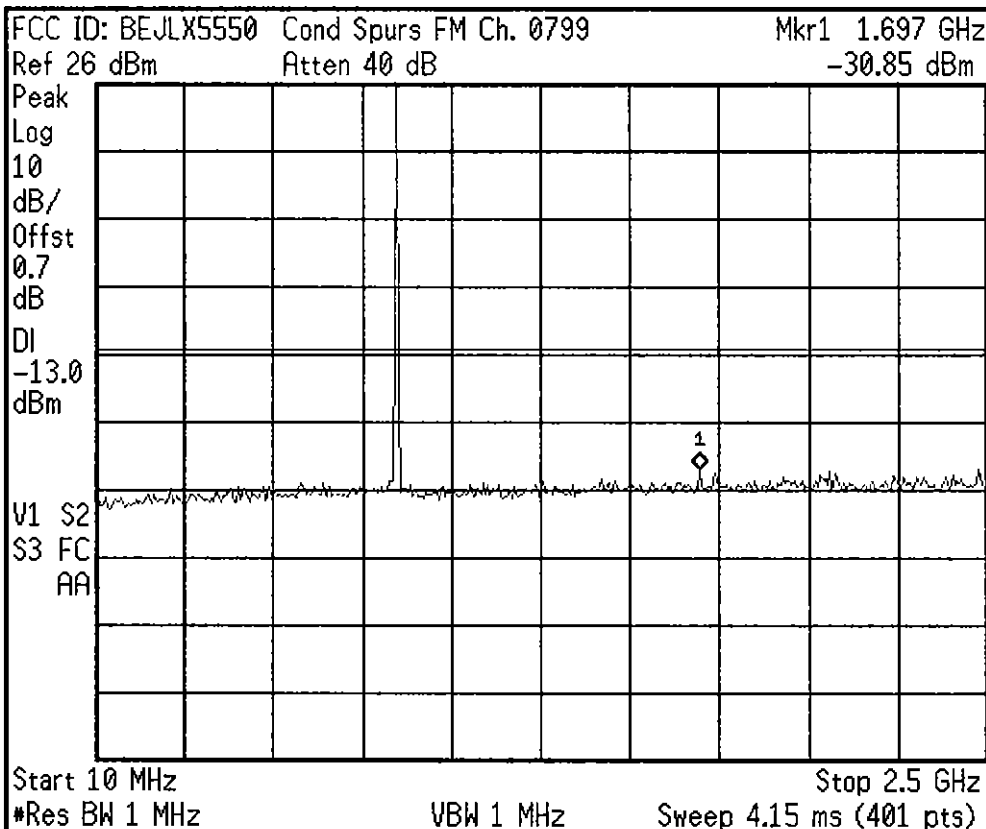
Freq Offset
 0.00000000 Hz

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

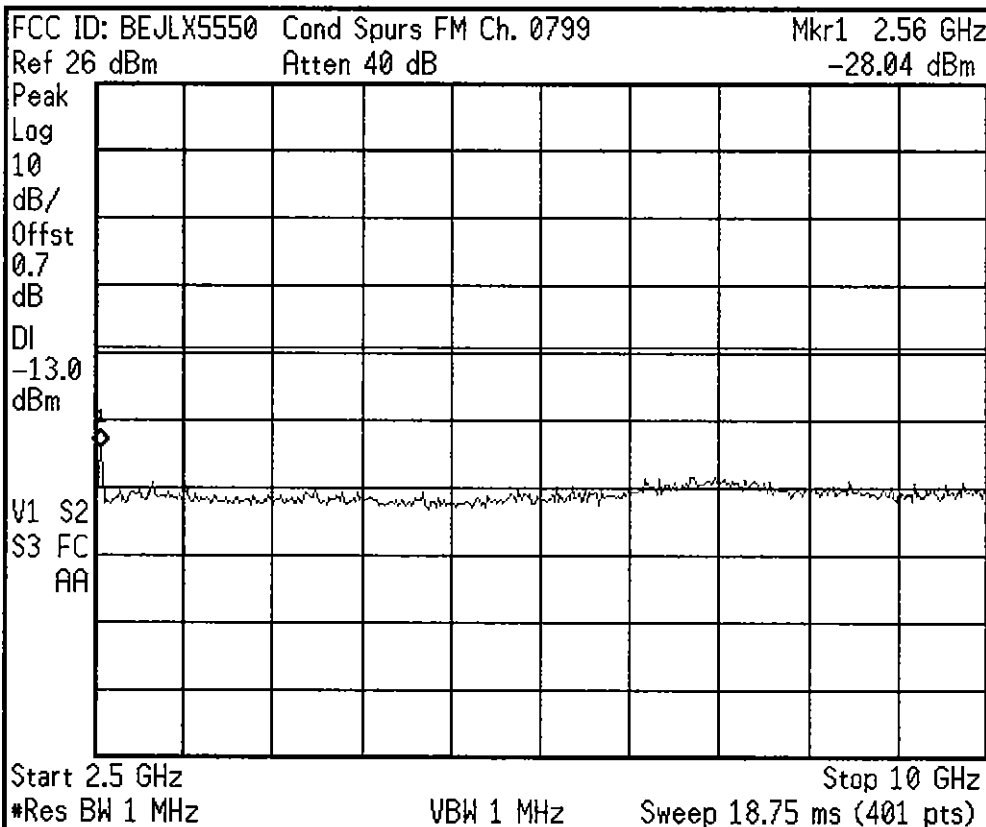
Freq Offset
 0.00000000 Hz

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

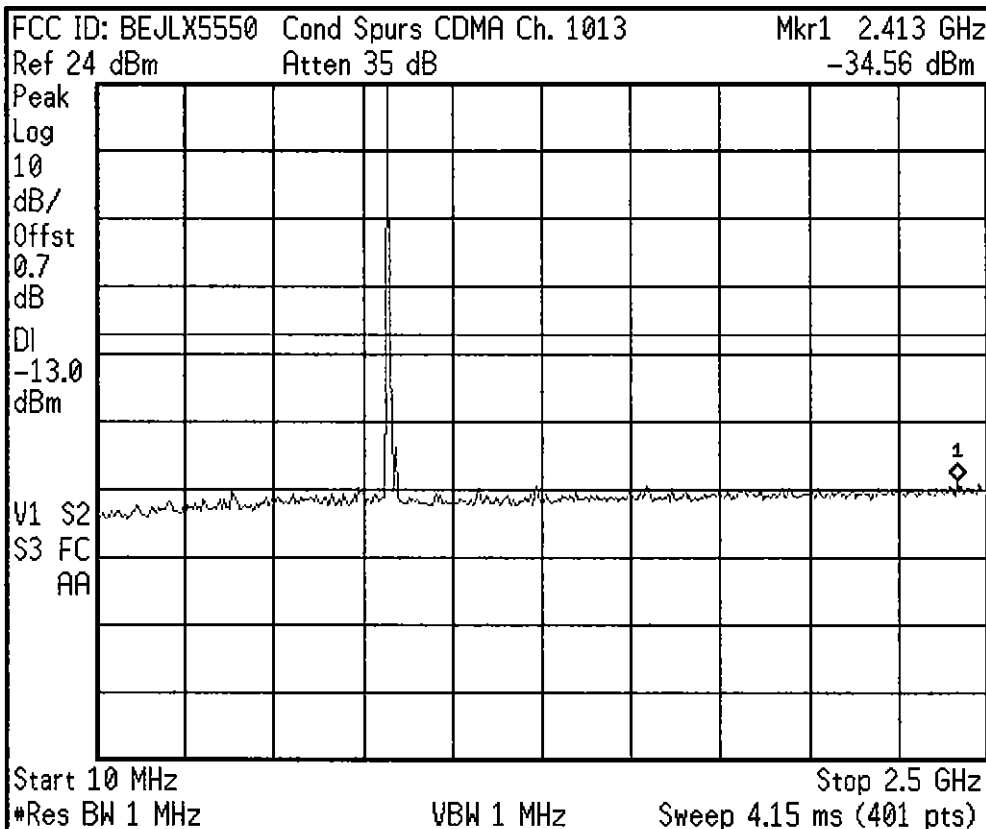
Freq Offset
 0.00000000 Hz

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

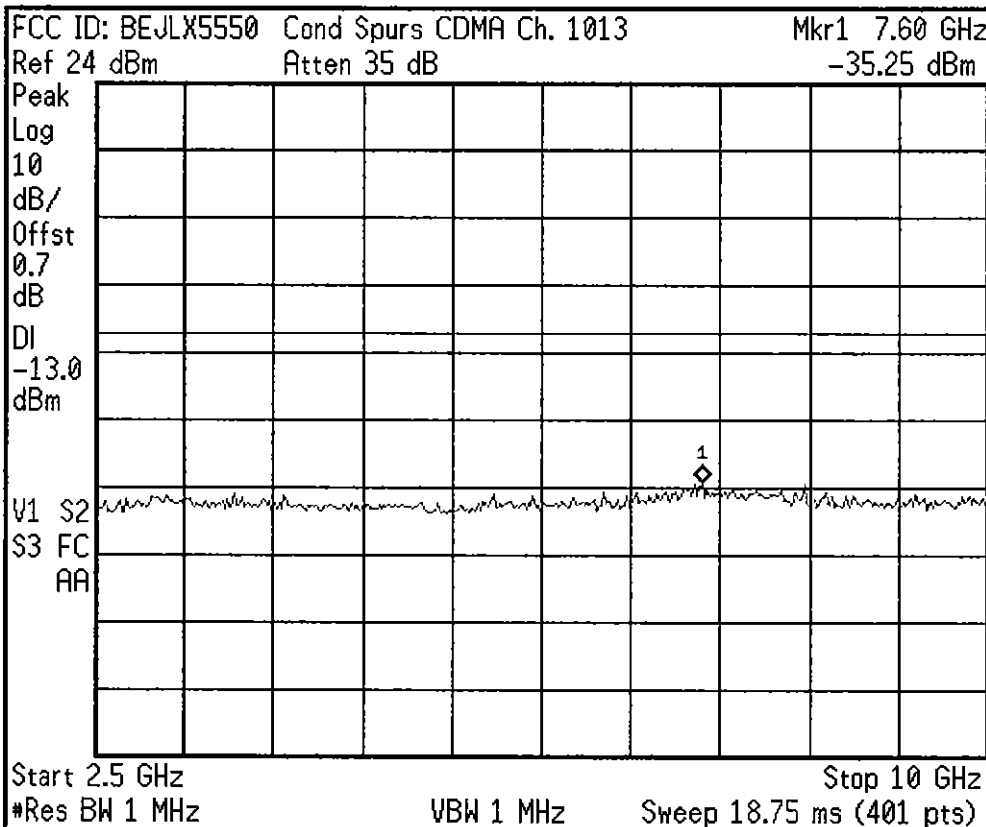
Freq Offset
 0.00000000 Hz

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

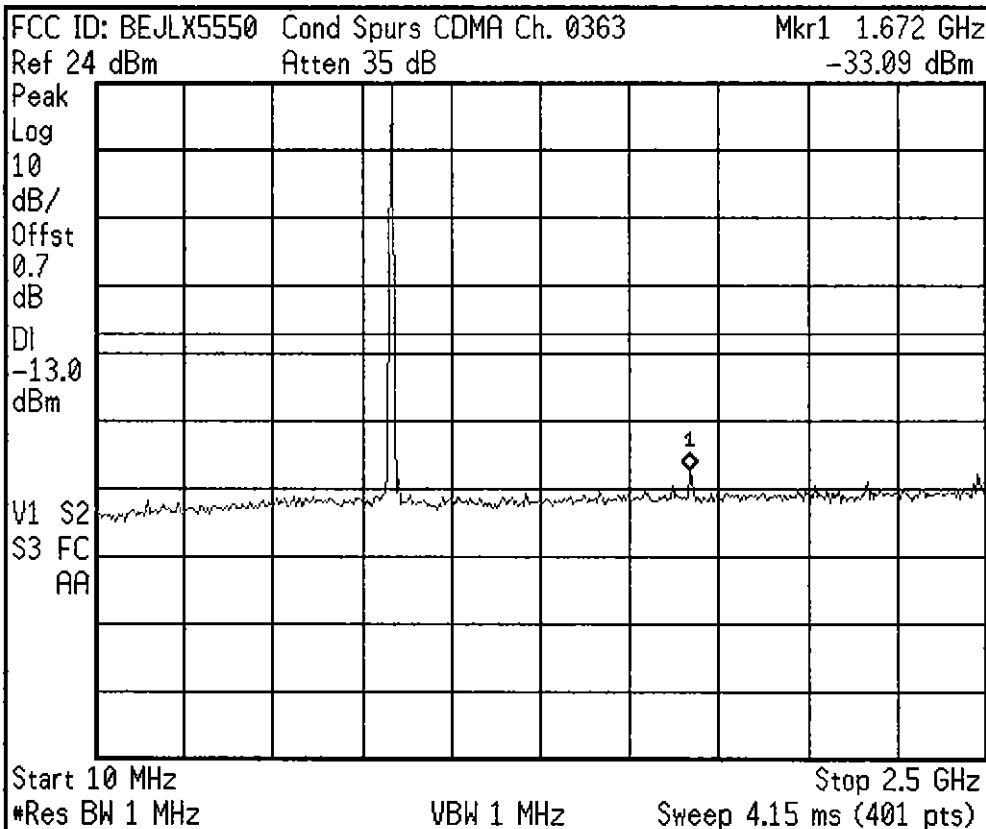
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

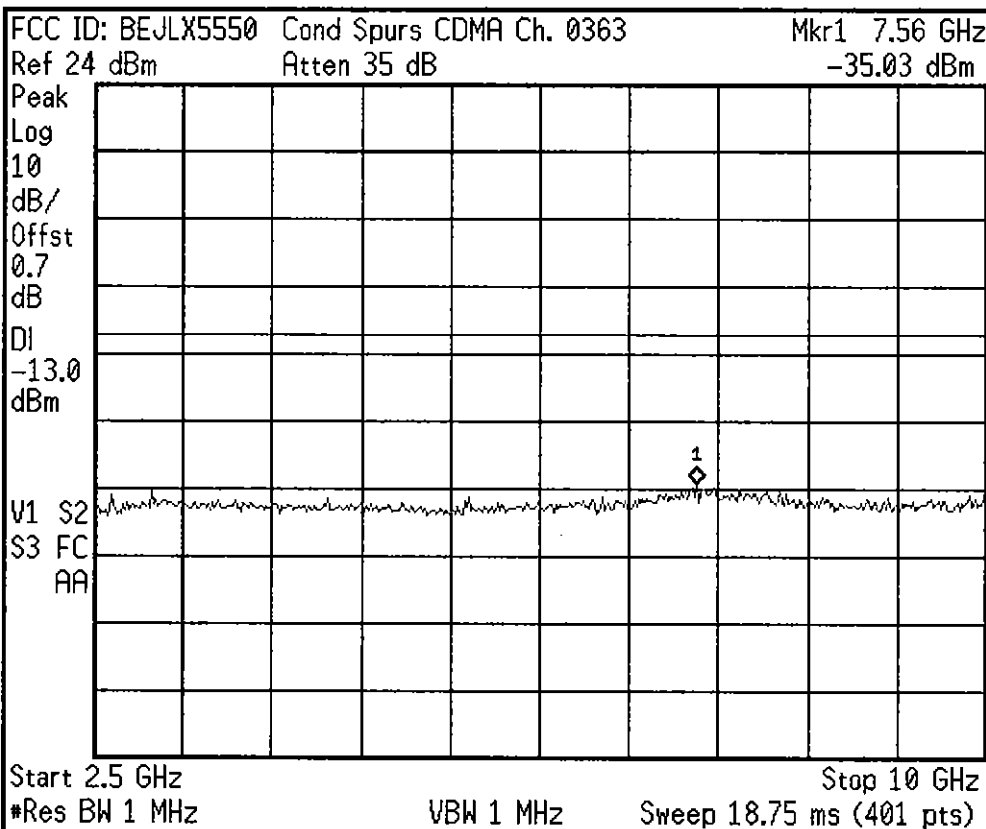
Freq Offset
 0.00000000 Hz

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

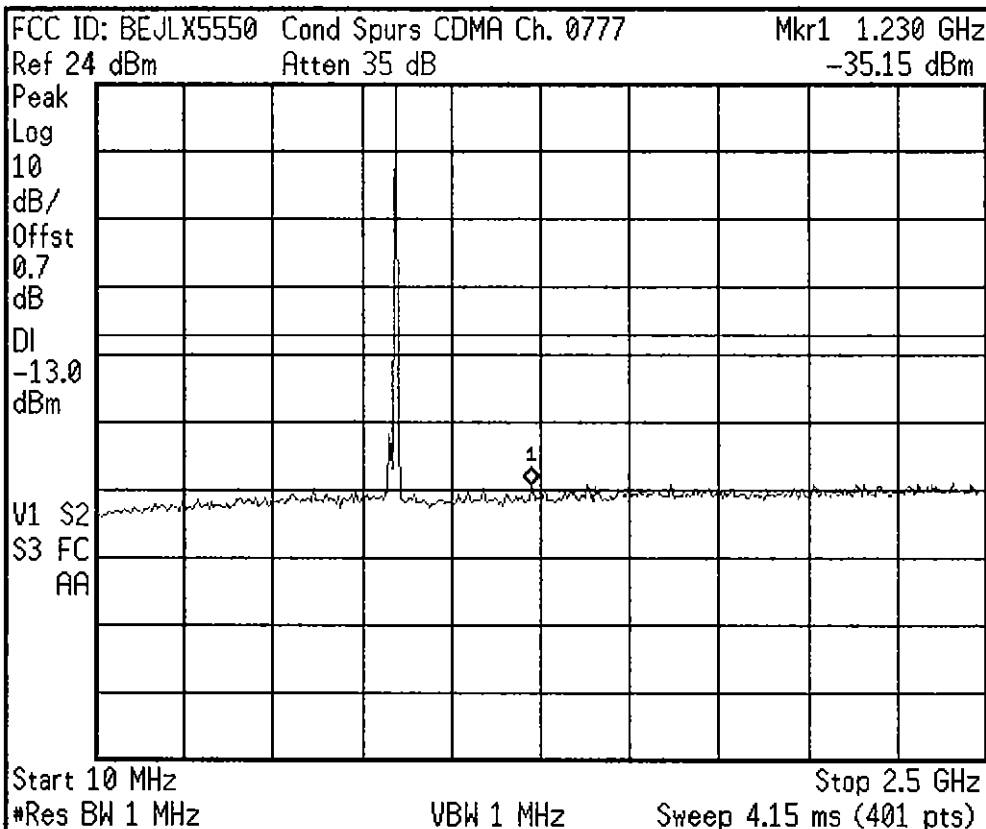
Freq Offset
 0.00000000 Hz

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

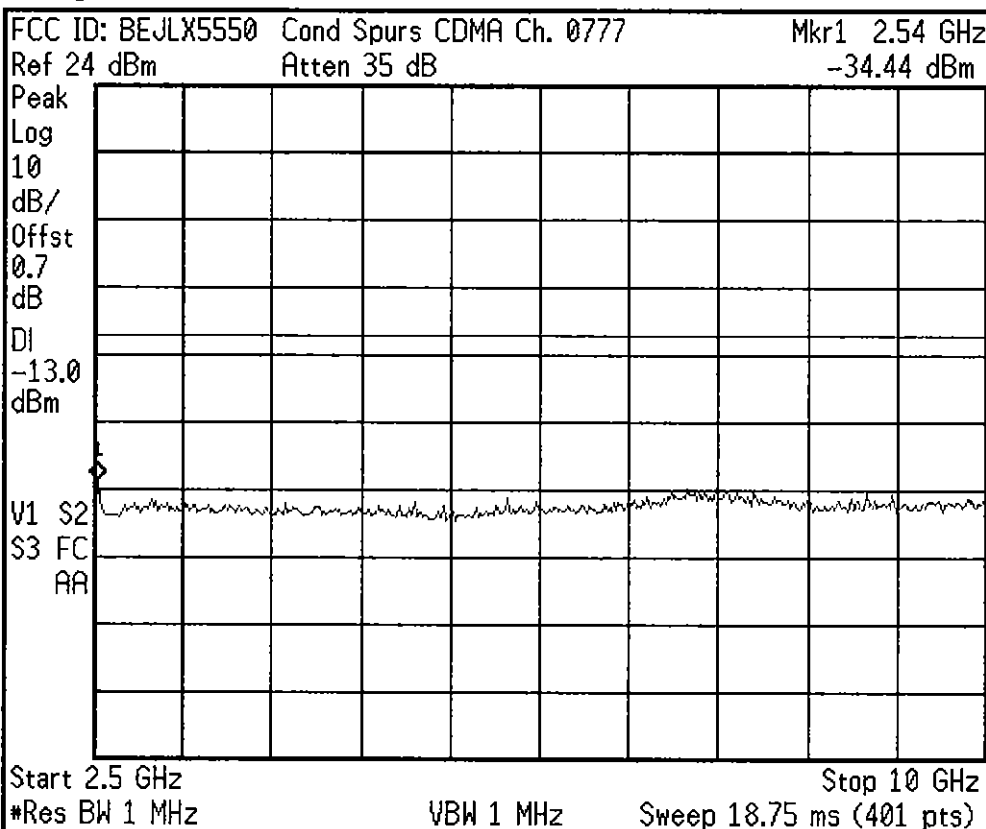
Freq Offset
 0.00000000 Hz

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

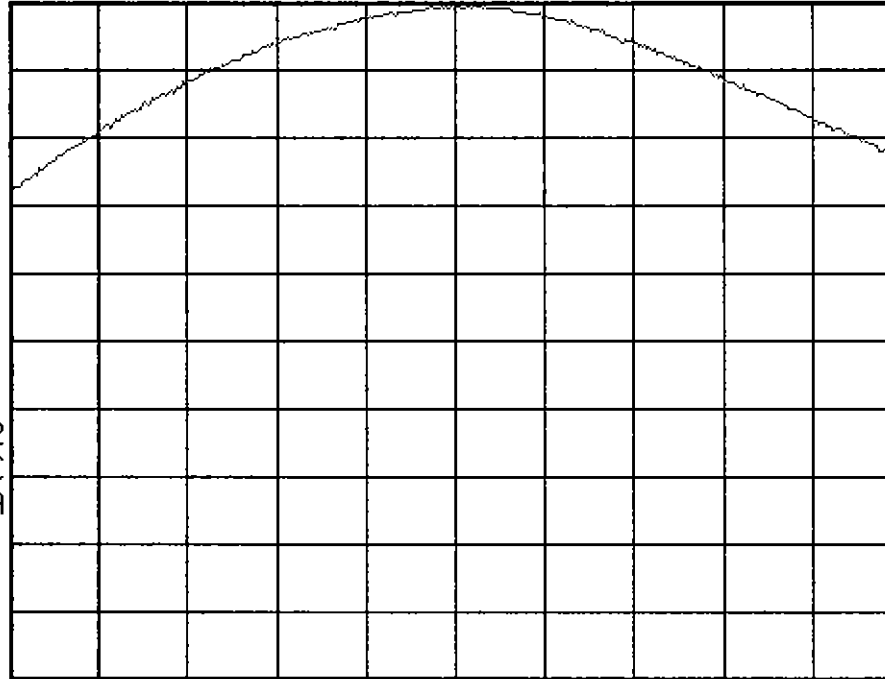
Agilent

L

FCC ID: BEJLX5550 Power Out CDMA Ch. 1013
Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.7
dB

VAvg
100
V1 S2
S3 FC
AA



Center 824.7 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 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

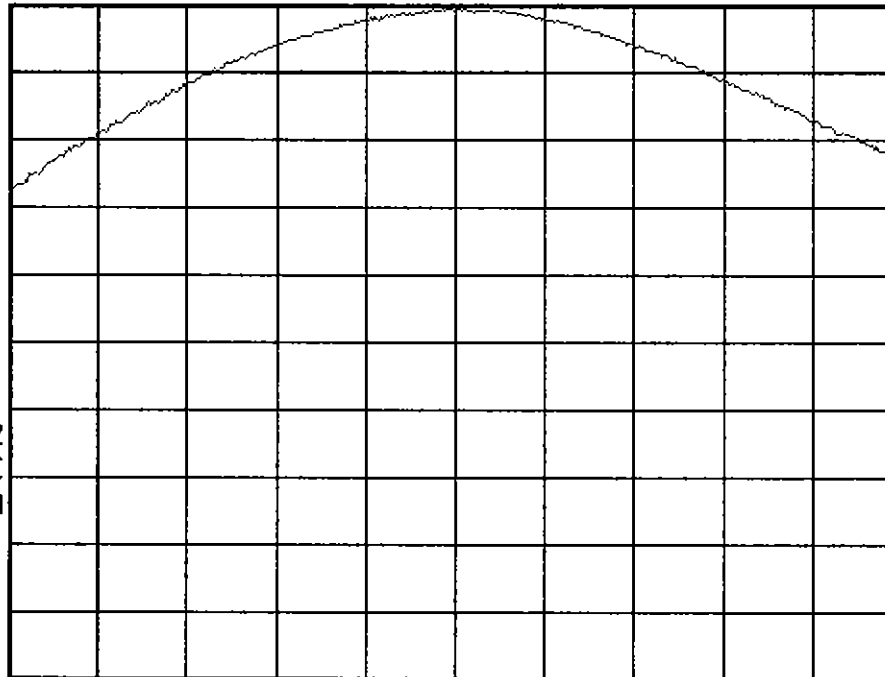
Agilent

L

FCC ID: BEJLX5550 Power Out CDMA Ch. 0777
Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.7
dB

VAvg
100
V1 S2
S3 FC
AA



Center 848.3 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 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

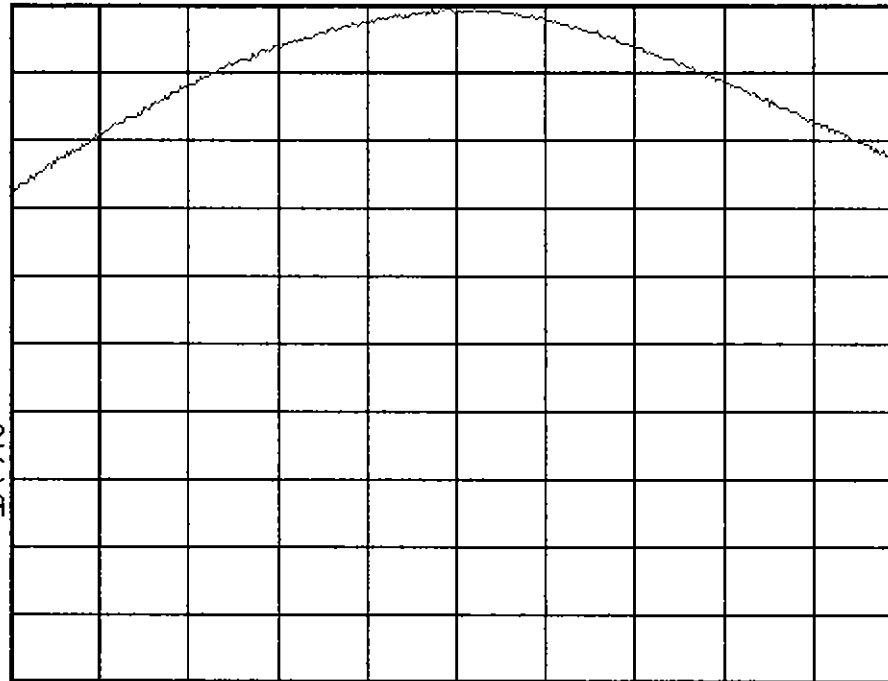
Agilent

L

FCC ID: BEJLX5550 Power Out CDMA Ch. 0363
Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.7
dB

VAvg
100
V1 S2
S3 FC
AA



Center 835.9 MHz Span 10 MHz
*Res BW 3 MHz VBW 3 MHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq
835.890000 MHz

Start Freq
830.890000 MHz

Stop Freq
840.890000 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 835.89 MHz

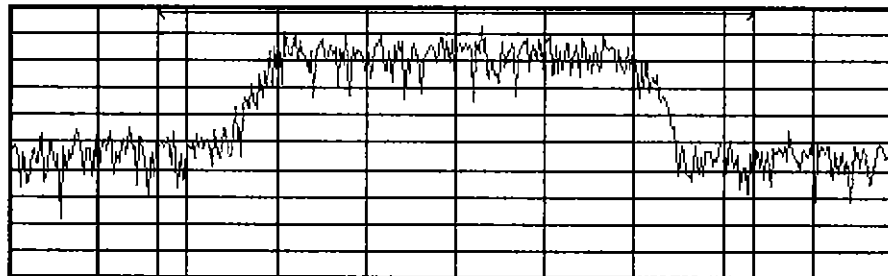
Trig Free

Channel Power



FCC ID: BEJLX5550 Power Out CDMA Ch. 0363
Ref 24 dBm Atten 35 dB

*Avg
Log
10
dB/
Offst
0.7
dB



Center 835.9 MHz Span 3 MHz
Res BW 30 kHz VBW 300 kHz Sweep 8 ms (401 pts)

Freq/Channel

Center Freq
835.890000 MHz

Start Freq
834.390000 MHz

Stop Freq
837.390000 MHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Channel Power

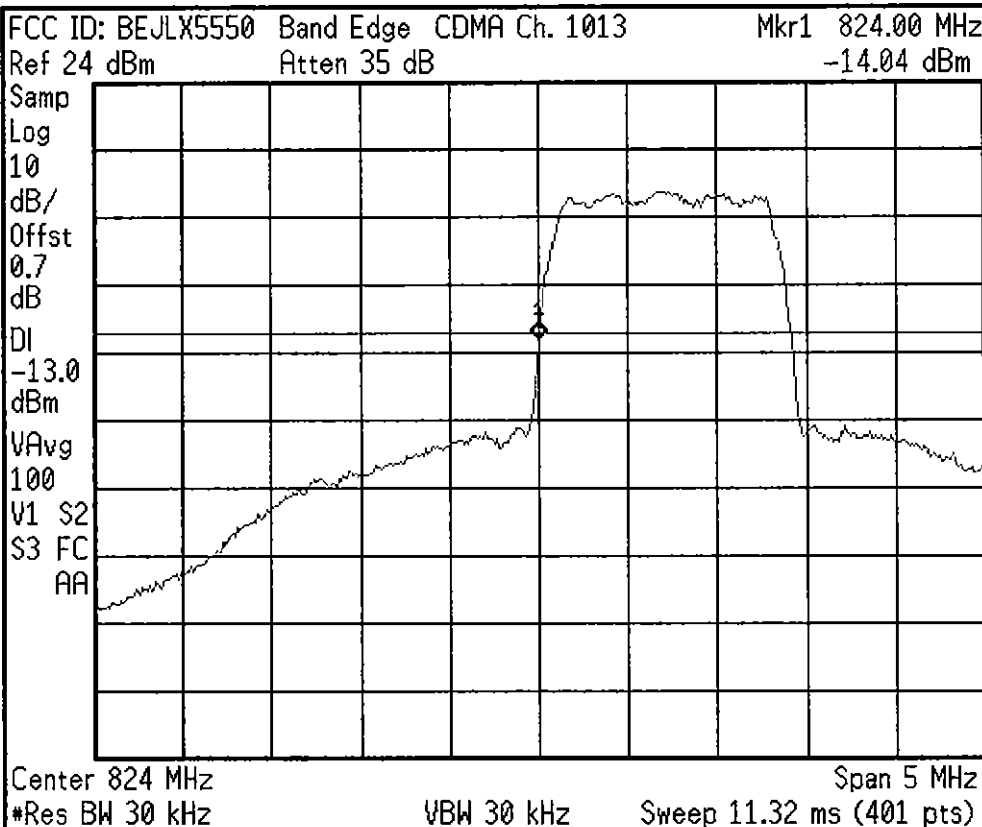
24.00 dBm /2.0000 MHz

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

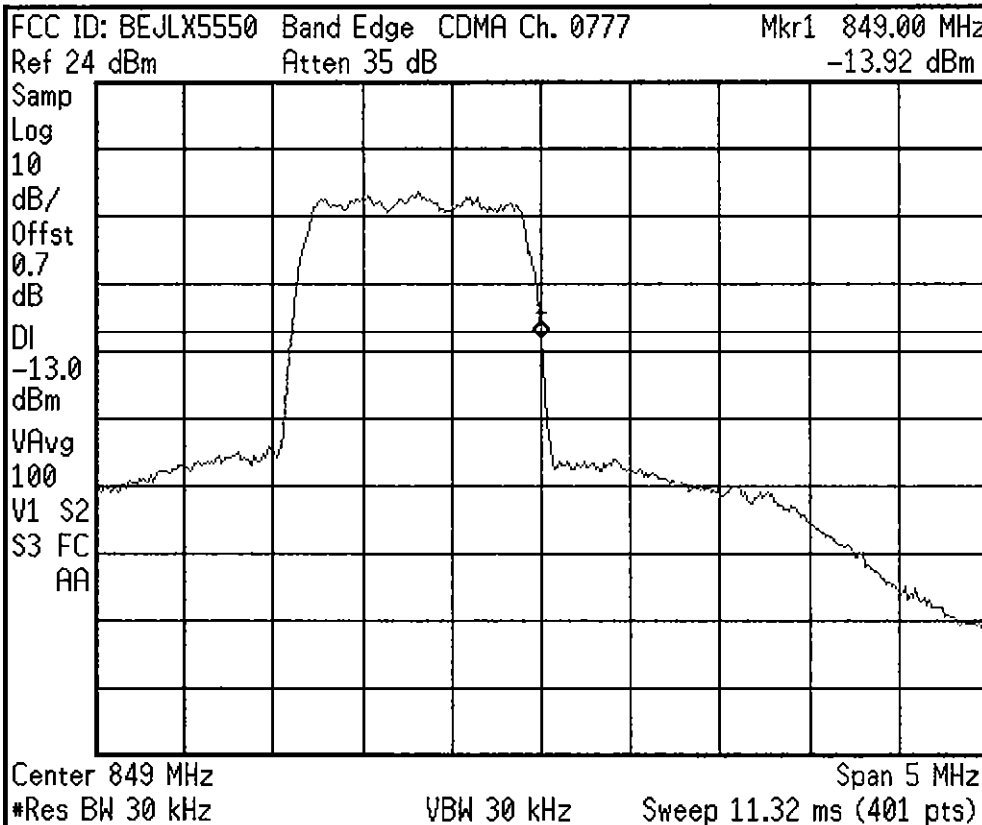
Freq Offset
 0.00000000 Hz

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

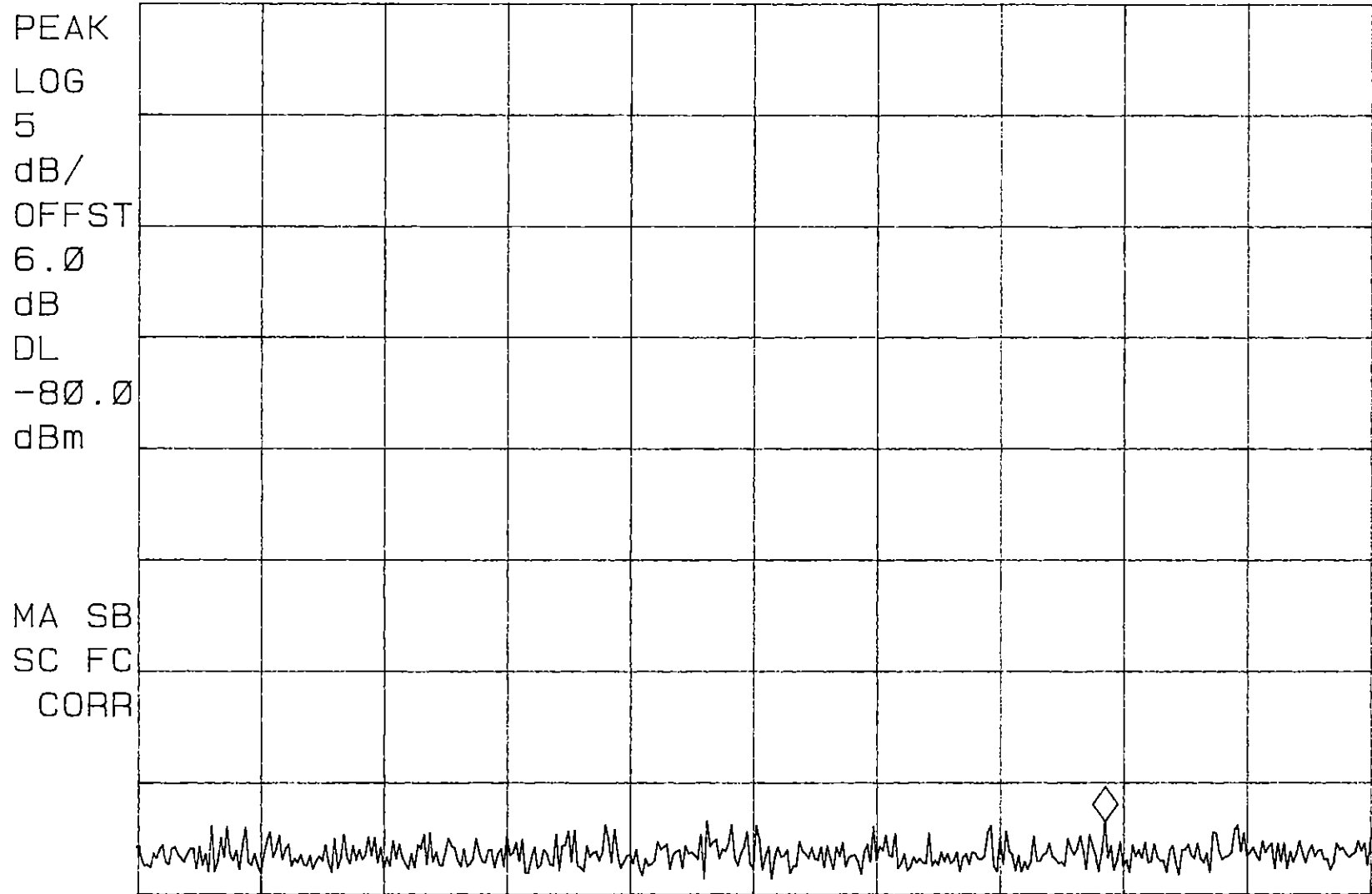
CF Step
 500.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

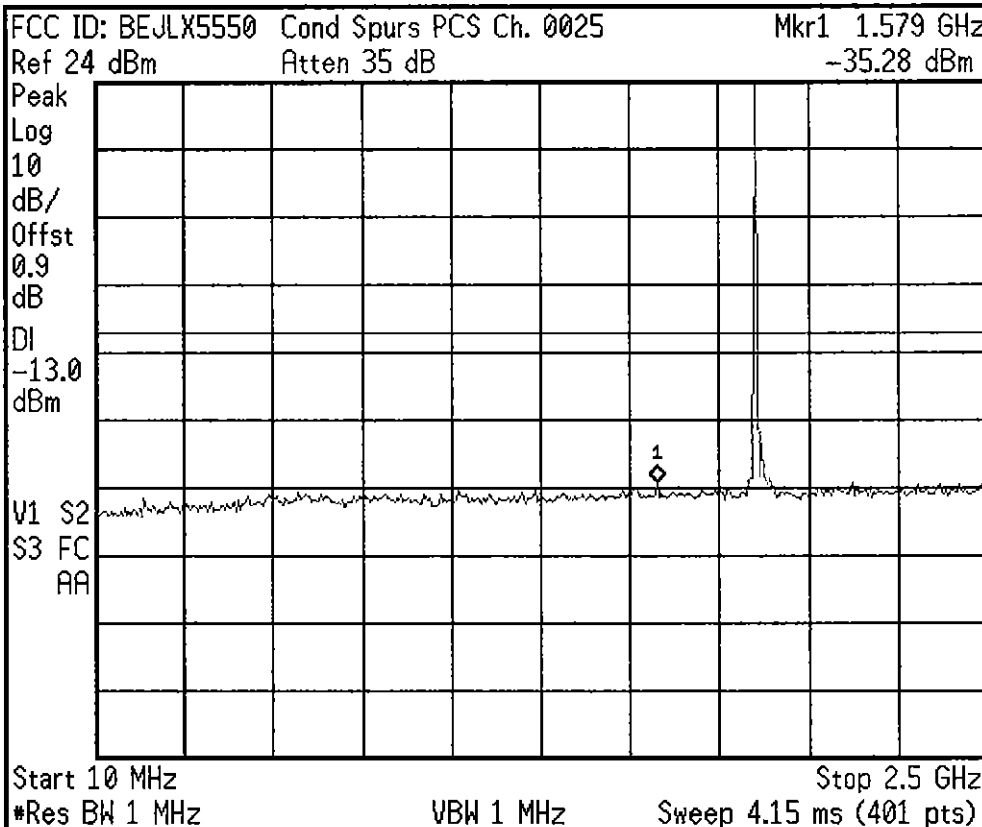
h FCC ID: BEJLX5550 CDMA MODE MKR 888.62 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -96.76 dBm



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

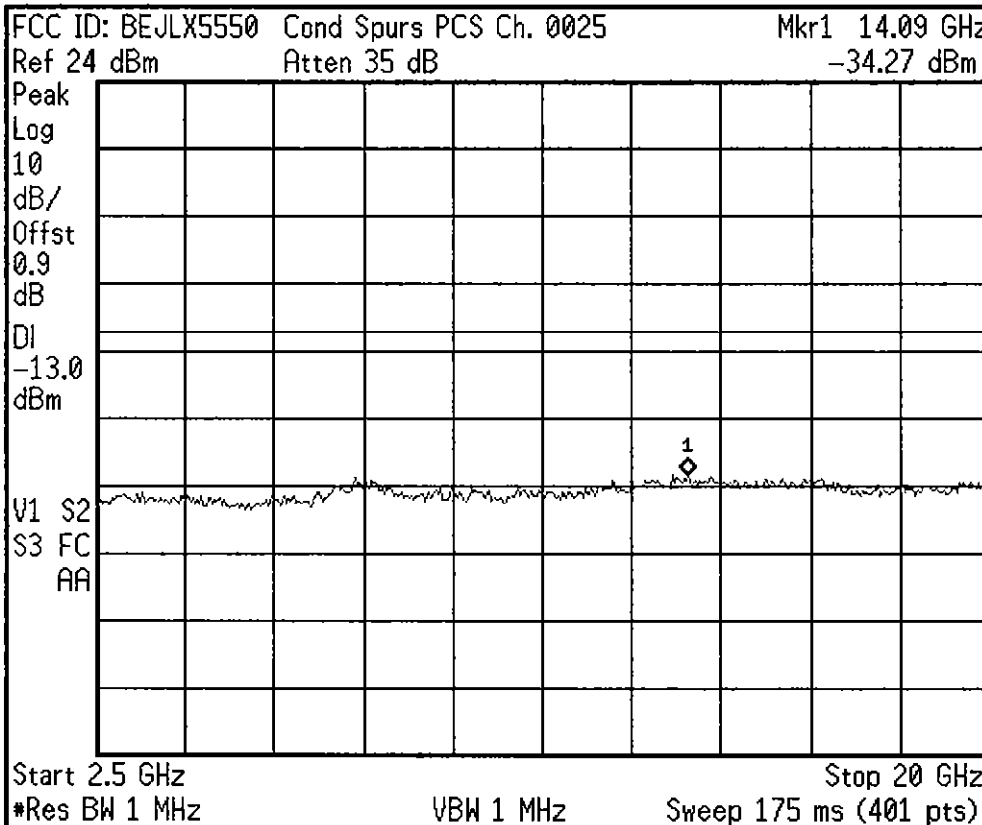
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

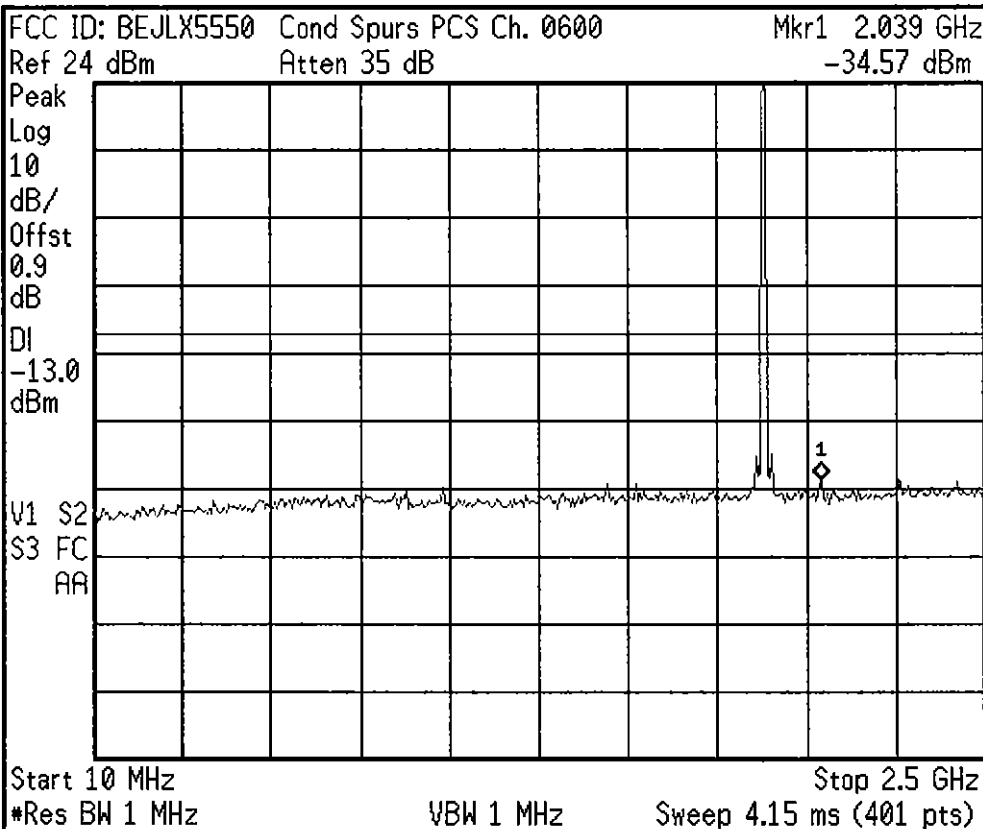
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.00000000 MHz

Stop Freq
 2.50000000 GHz

CF Step
 249.0000000 MHz
 Auto Man

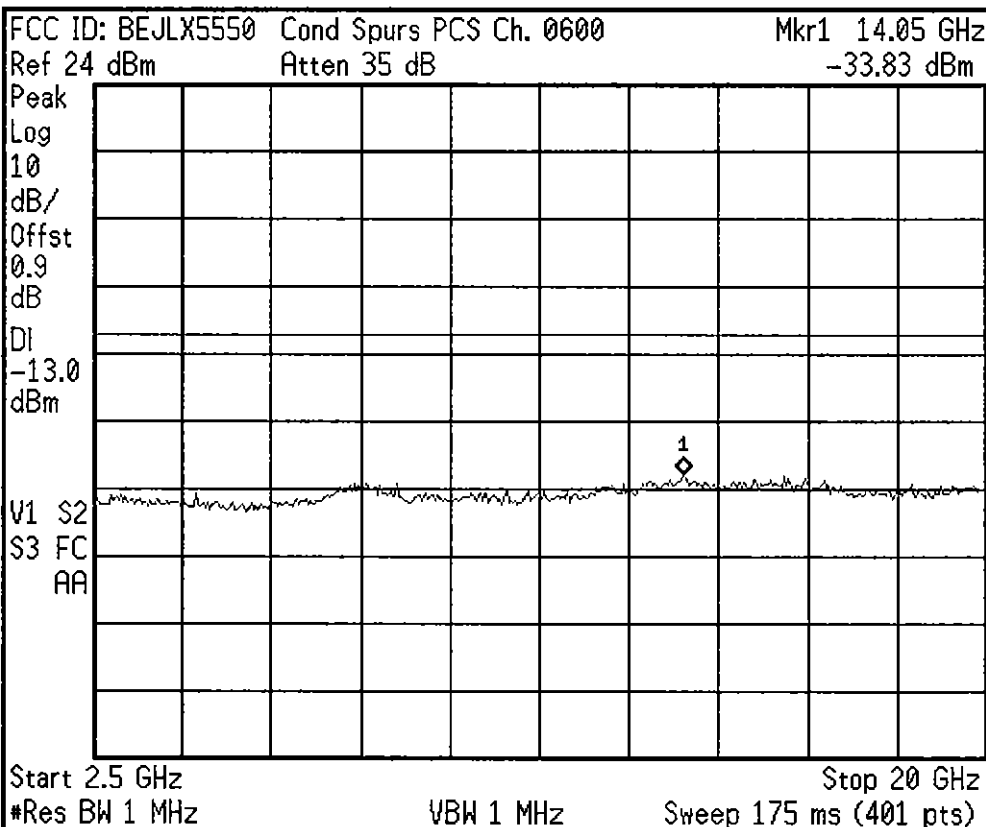
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 11.25000000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 20.00000000 GHz

CF Step
 1.750000000 GHz
 Auto Man

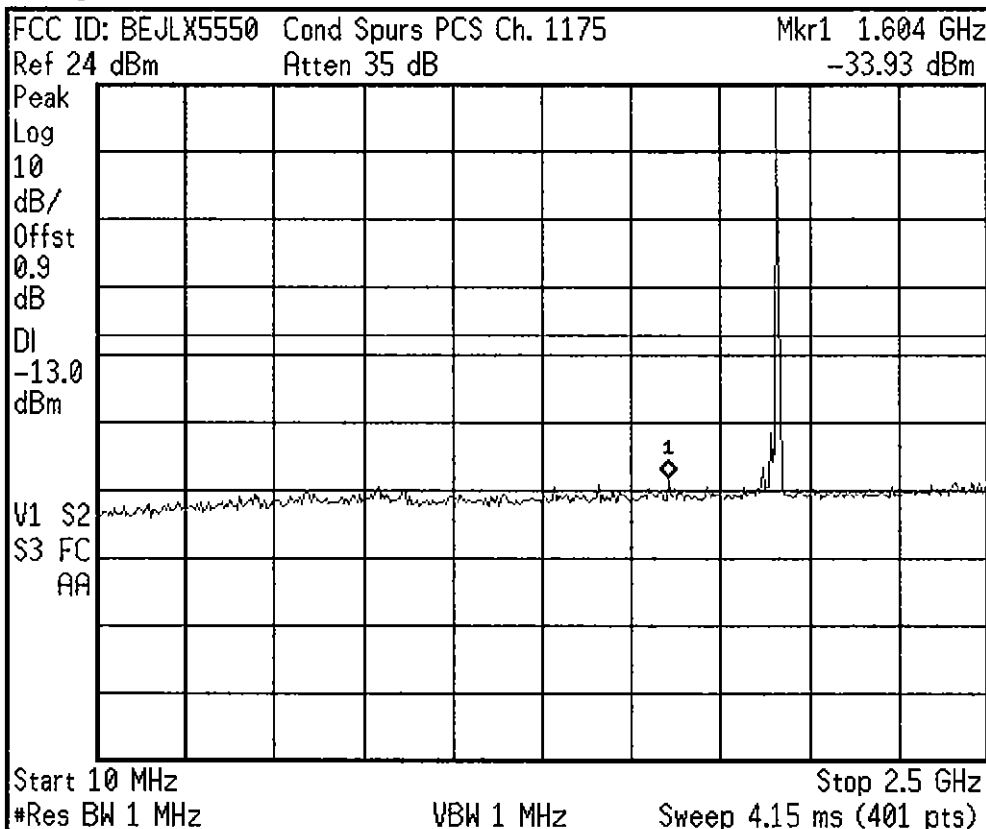
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.00000000 MHz

Stop Freq
 2.50000000 GHz

CF Step
 249.0000000 MHz
 Auto Man

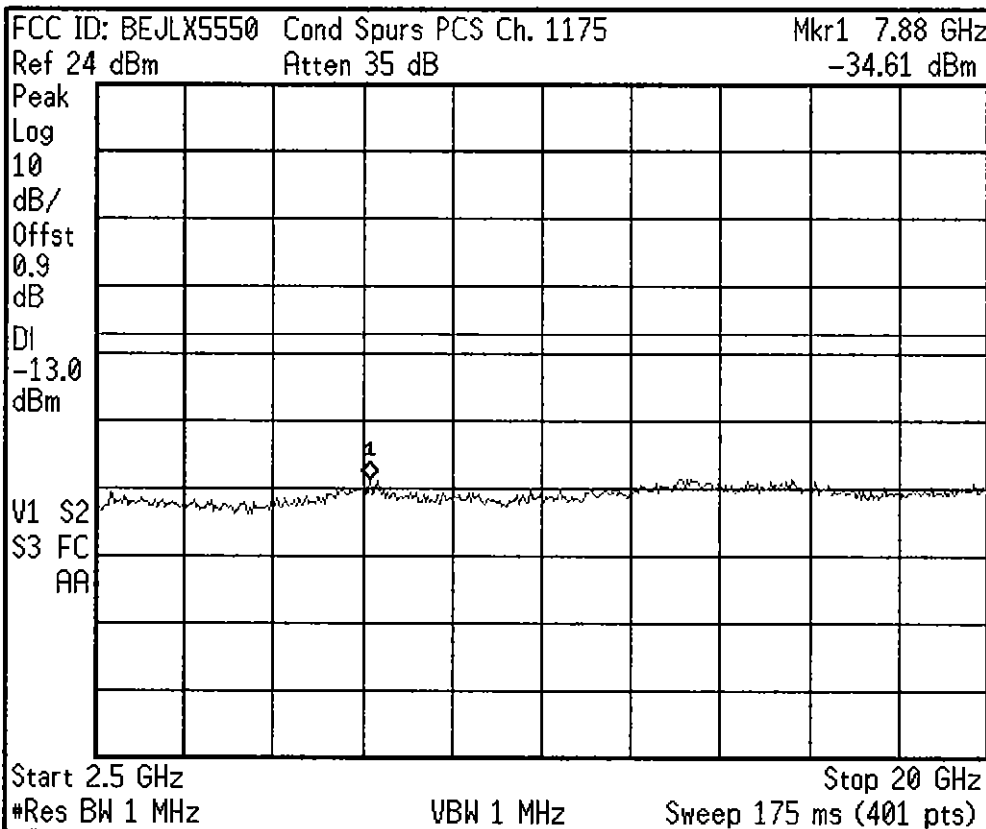
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 11.25000000 GHz

Start Freq
 2.50000000 GHz

Stop Freq
 20.00000000 GHz

CF Step
 1.750000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

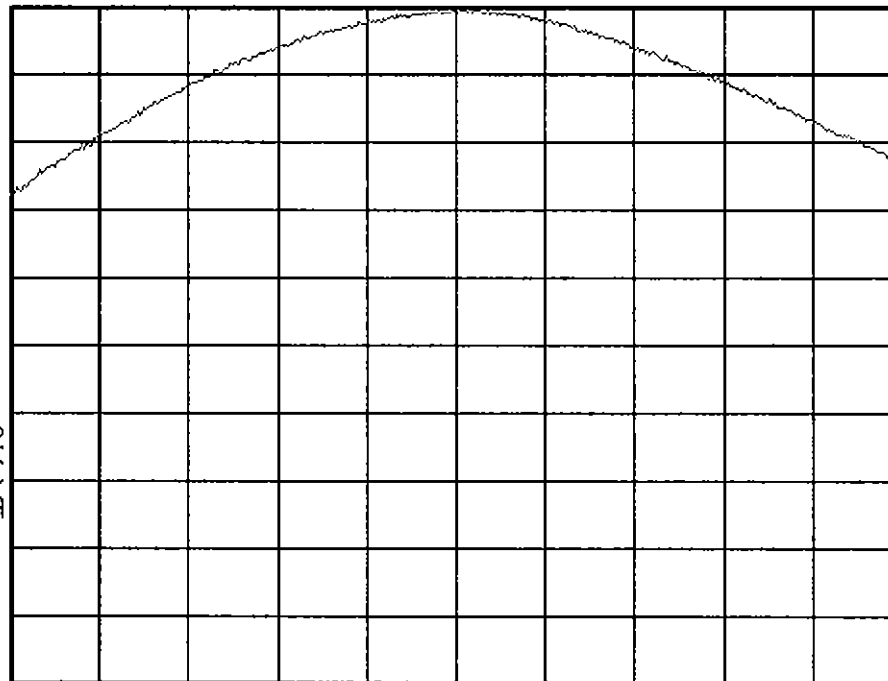
Agilent

L

FCC ID: BEJLX5550 Power Out PCS Ch. 0025
Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.9
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.851 GHz Span 10 MHz
*Res BW 3 MHz VBW 3 MHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq
1.85125000 GHz

Start Freq
1.84625000 GHz

Stop Freq
1.85625000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

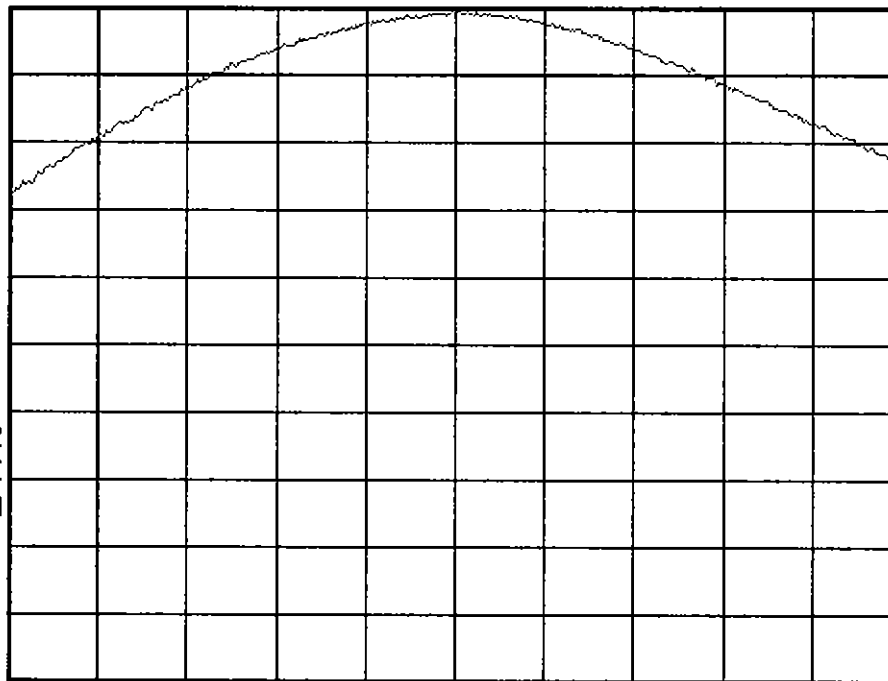
Agilent

L

FCC ID: BEJLX5550 Power Out PCS Ch. 00600
Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.9
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.88 GHz Span 10 MHz
*Res BW 3 MHz VBW 3 MHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.87500000 GHz

Stop Freq
1.88500000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

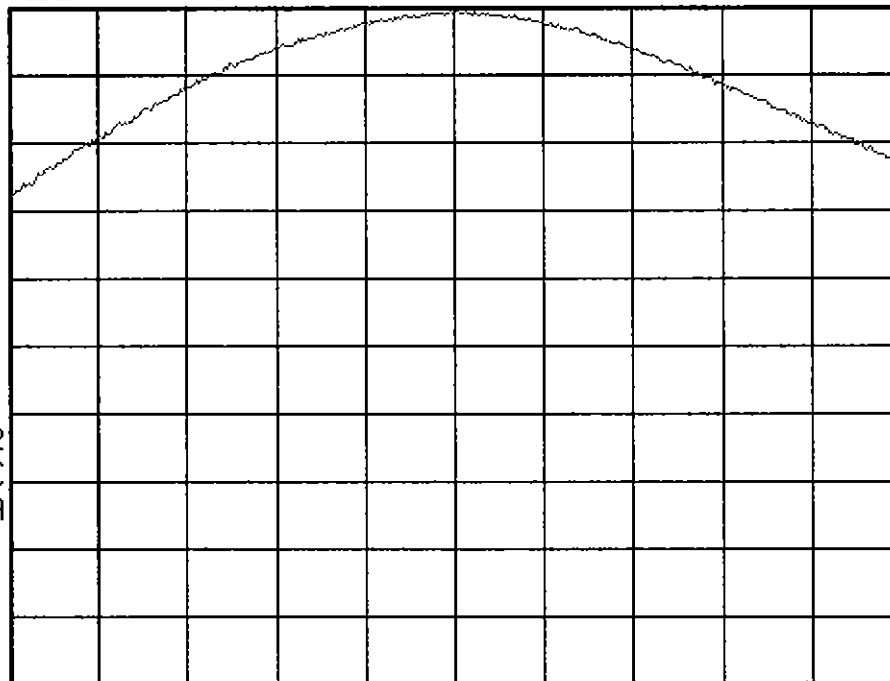
L

FCC ID: BEJLX5550 Power Out PCS Ch. 0600

Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.9
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.88 GHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 MHz

Sweep 4 ms (401 pts)

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.87500000 GHz

Stop Freq
1.88500000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

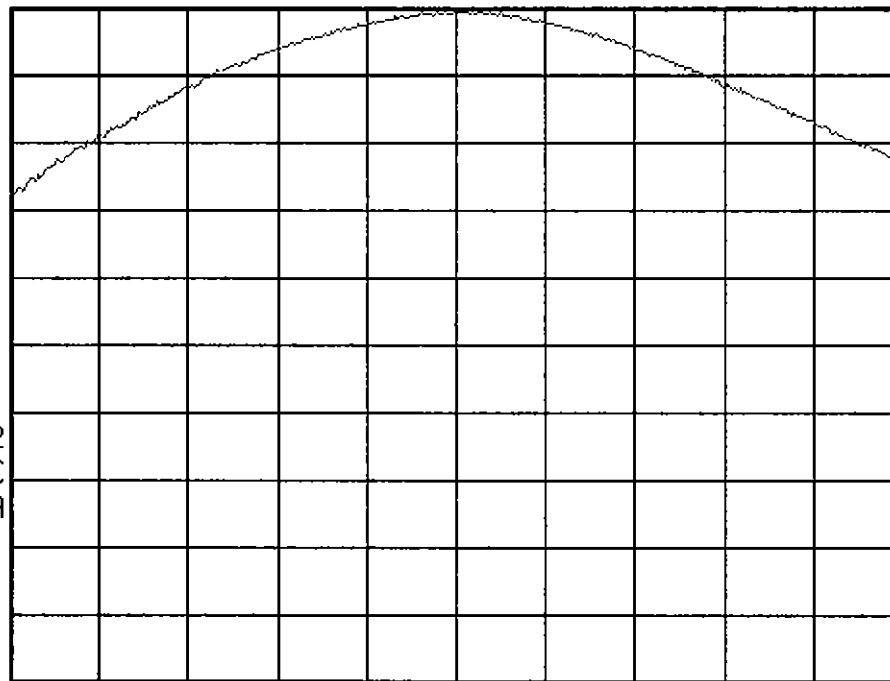
L

FCC ID: BEJLX5550 Power Out PCS Ch. 1175

Ref 24 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.9
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.909 GHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 MHz

Sweep 4 ms (401 pts)

Freq/Channel

Center Freq
1.90875000 GHz

Start Freq
1.90375000 GHz

Stop Freq
1.91375000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

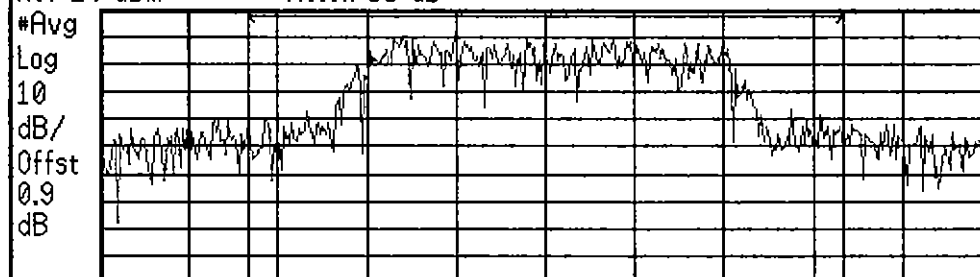
Scale Type
Log Lin

Agilent

L

Ch Freq 1.85125 GHz Trig Free
Channel Power

FCC ID: BEJLX5550 Power Out PCS Ch. 0025
Ref 24 dBm Atten 35 dB



Center 1.851 GHz Span 3 MHz
Res BW 30 kHz VBW 300 kHz Sweep 8 ms (401 pts)

Channel Power Power Spectral Density
24.05 dBm /2.0000 MHz -38.96 dBm/Hz

Freq/Channel

Center Freq
1.85125000 GHz

Start Freq
1.84975000 GHz

Stop Freq
1.85275000 GHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

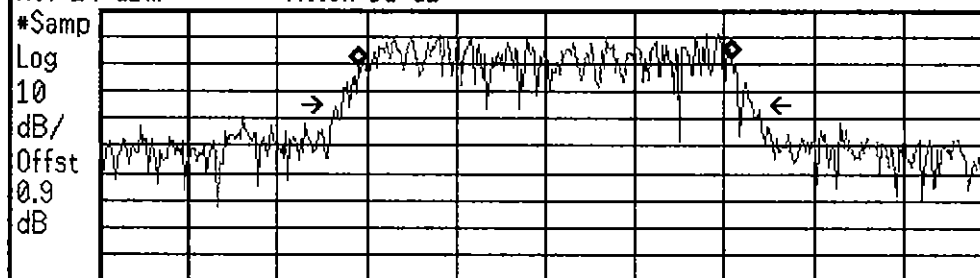
Scale Type
Log Lin

Agilent

L

Ch Freq 1.88 GHz Trig Free
Occupied Bandwidth

FCC ID: BEJLX5550 Power Out PCS Ch. 0600
Ref 24 dBm Atten 35 dB



Center 1.88 GHz Span 3 MHz
*Res BW 30 kHz *VBW 300 kHz Sweep 5.288 ms (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
1.2505 MHz x dB -26.00 dB
Transmit Freq Error -1.071 kHz
x dB Bandwidth 1.381 MHz*

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.87850000 GHz

Stop Freq
1.88150000 GHz

CF Step
300.000000 kHz
Auto Man

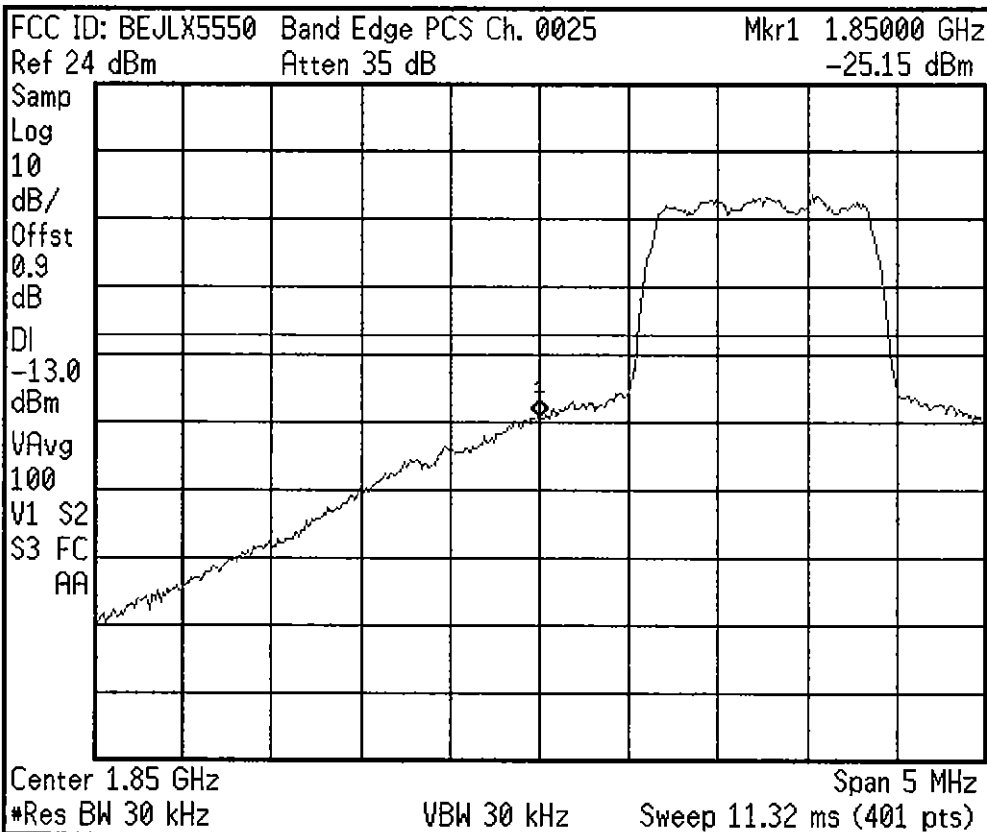
Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

L



Freq/Channel

Center Freq
1.85000000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85250000 GHz

CF Step
500.000000 kHz
Auto Man

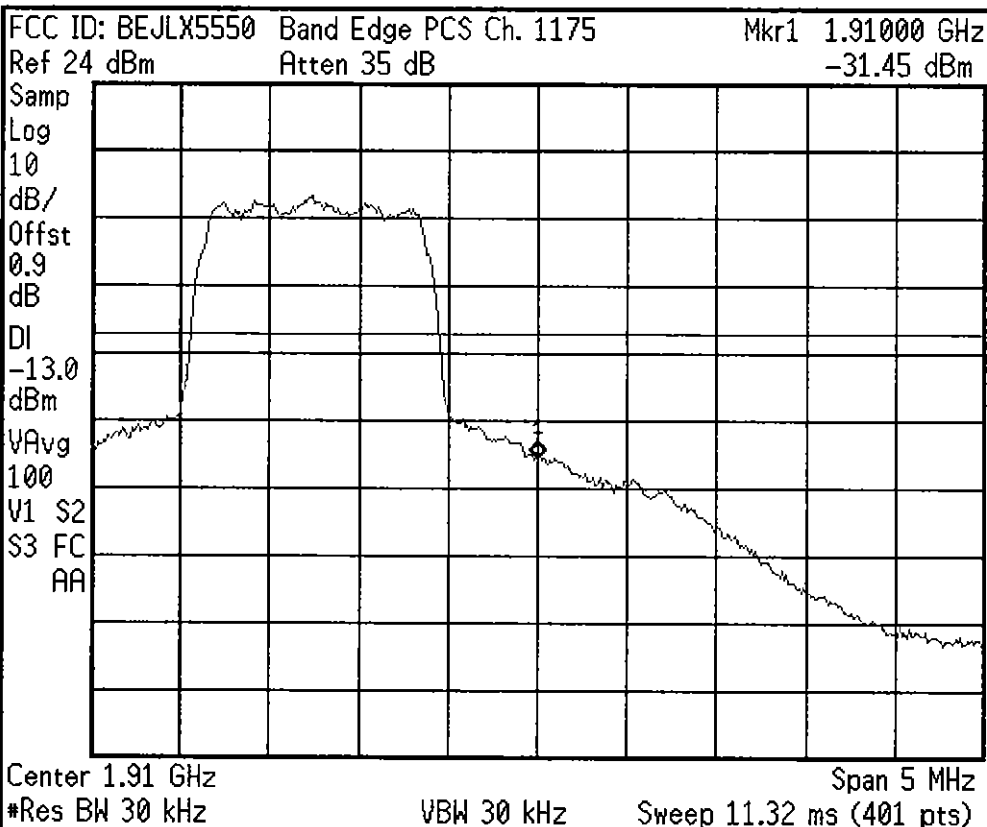
Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

L



Freq/Channel

Center Freq
1.91000000 GHz

Start Freq
1.90750000 GHz

Stop Freq
1.91250000 GHz

CF Step
500.000000 kHz
Auto Man

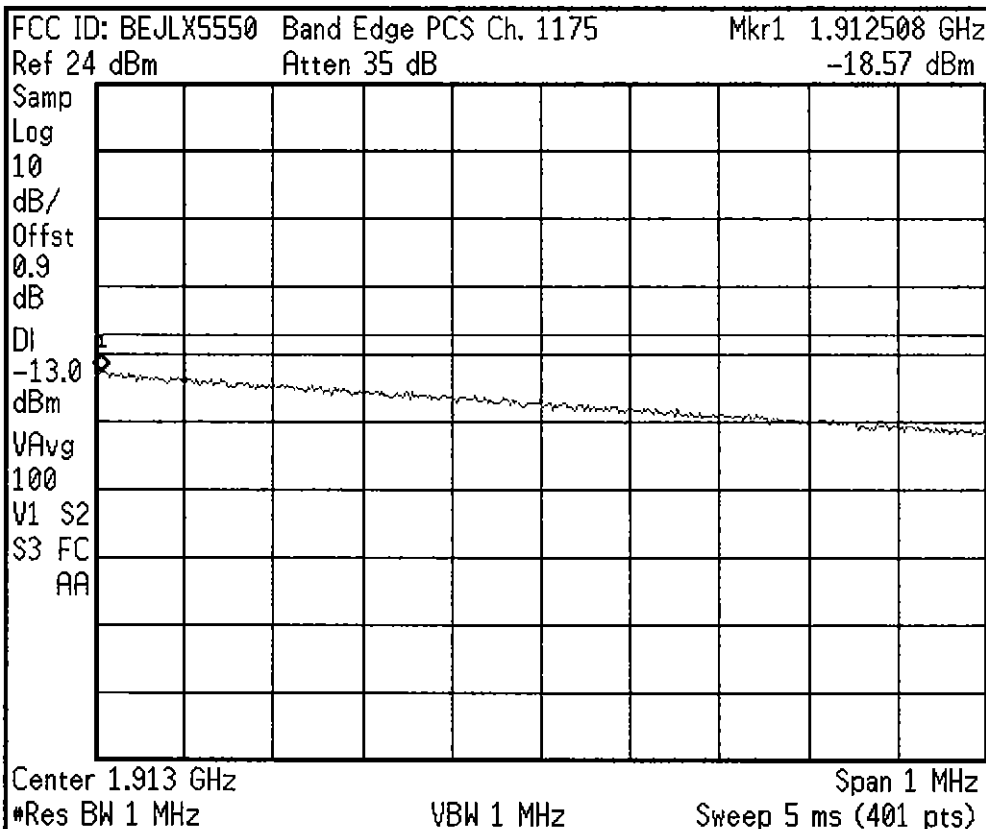
Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.91300000 GHz

Start Freq
 1.91250000 GHz

Stop Freq
 1.91350000 GHz

CF Step
 100.000000 kHz
 Auto Man

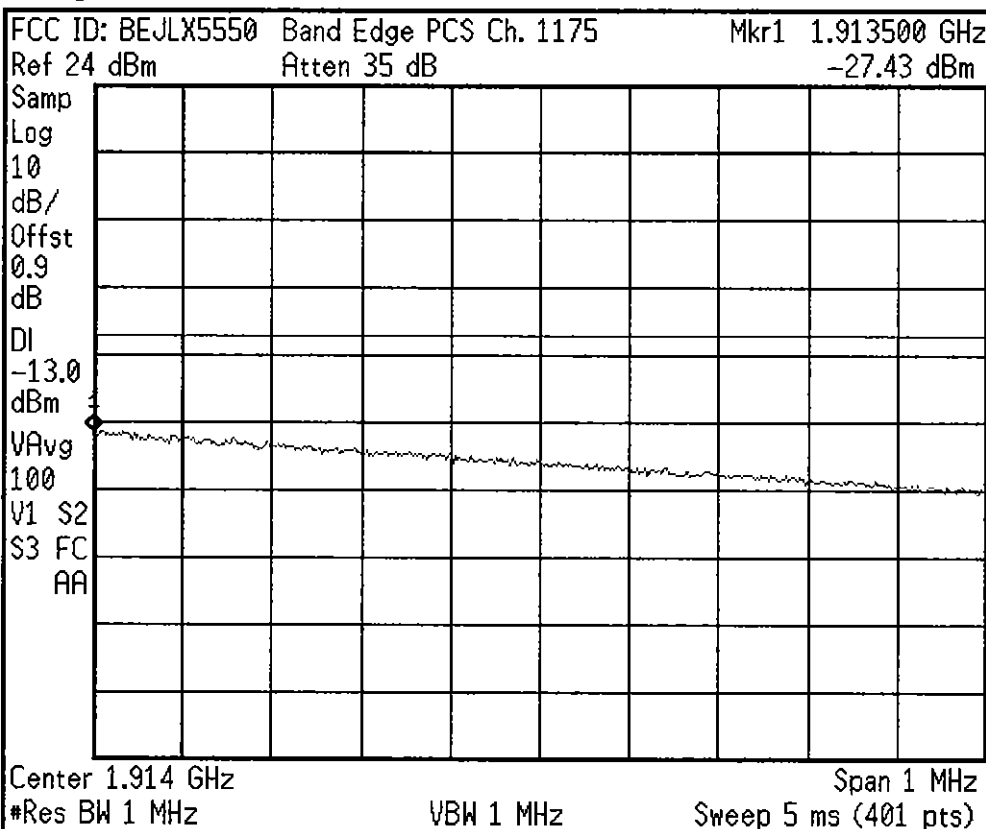
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.91400000 GHz

Start Freq
 1.91350000 GHz

Stop Freq
 1.91450000 GHz

CF Step
 100.000000 kHz
 Auto Man

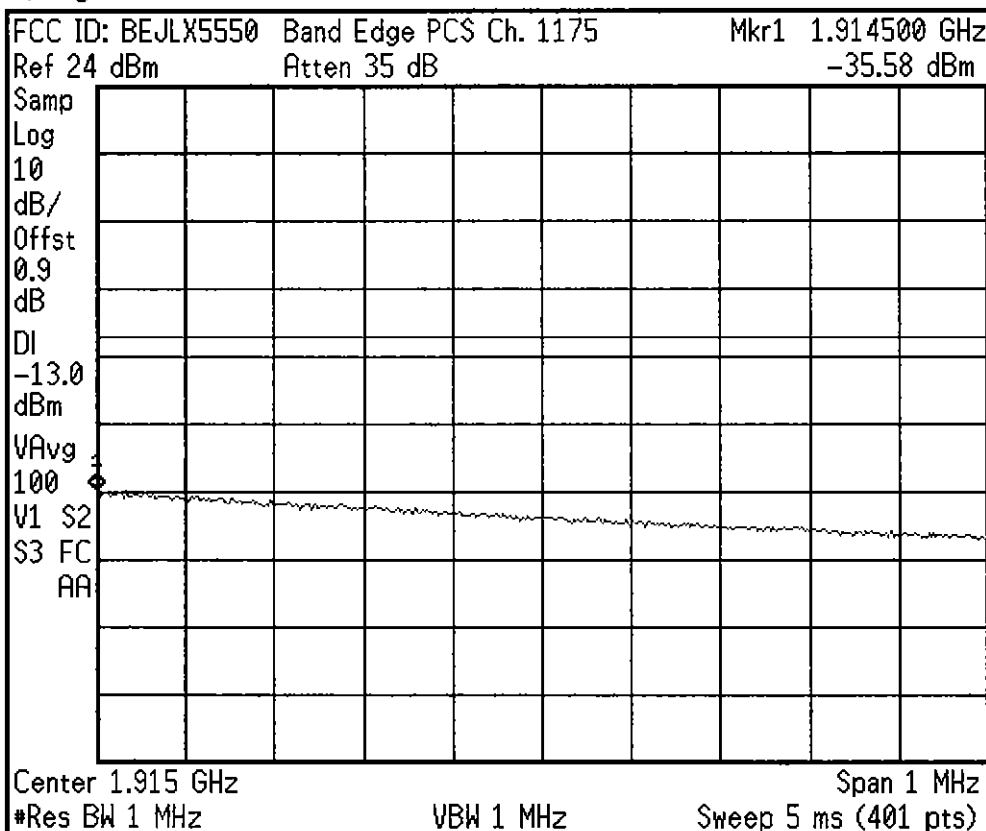
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.91500000 GHz

Start Freq
 1.91450000 GHz

Stop Freq
 1.91550000 GHz

CF Step
 100.000000 kHz
 Auto Man

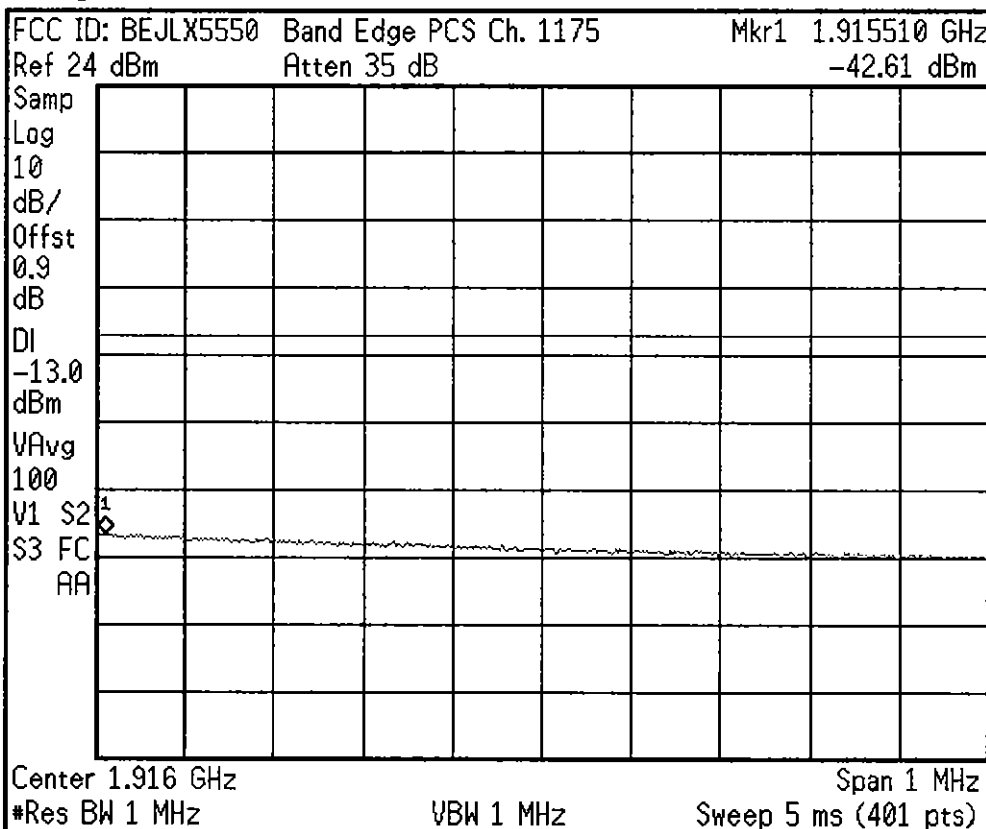
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.91600000 GHz

Start Freq
 1.91550000 GHz

Stop Freq
 1.91650000 GHz

CF Step
 100.000000 kHz
 Auto Man

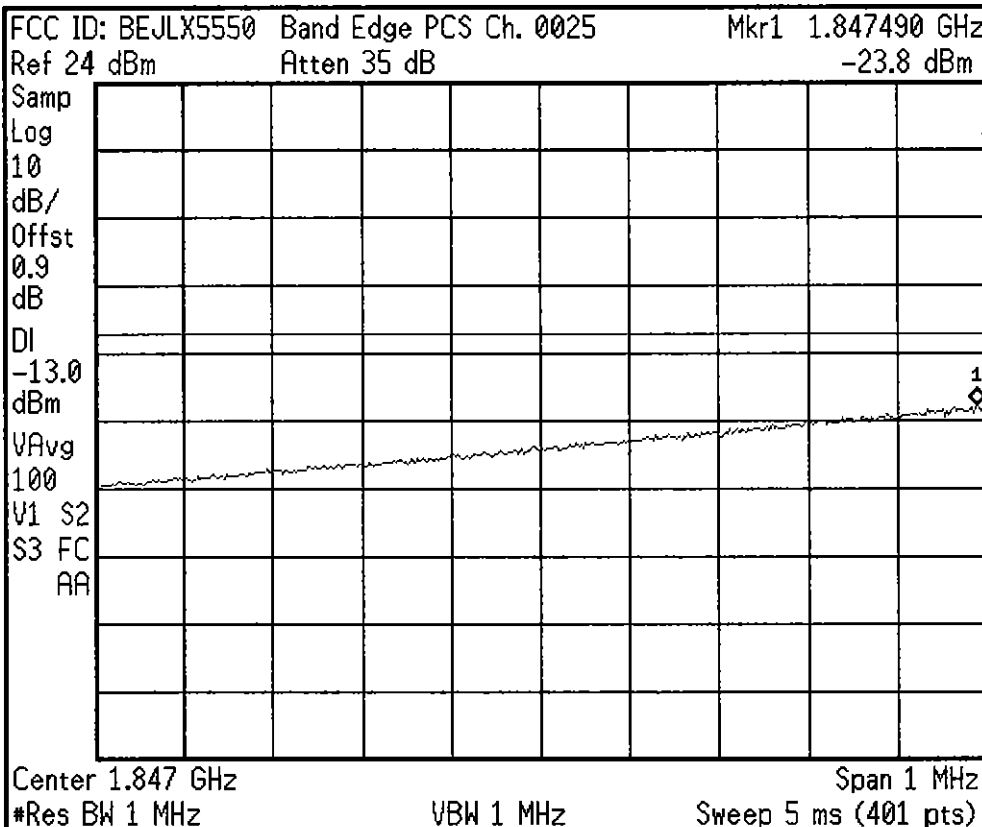
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.84700000 GHz

Start Freq
 1.84650000 GHz

Stop Freq
 1.84750000 GHz

CF Step
 100.000000 kHz
 Auto Man

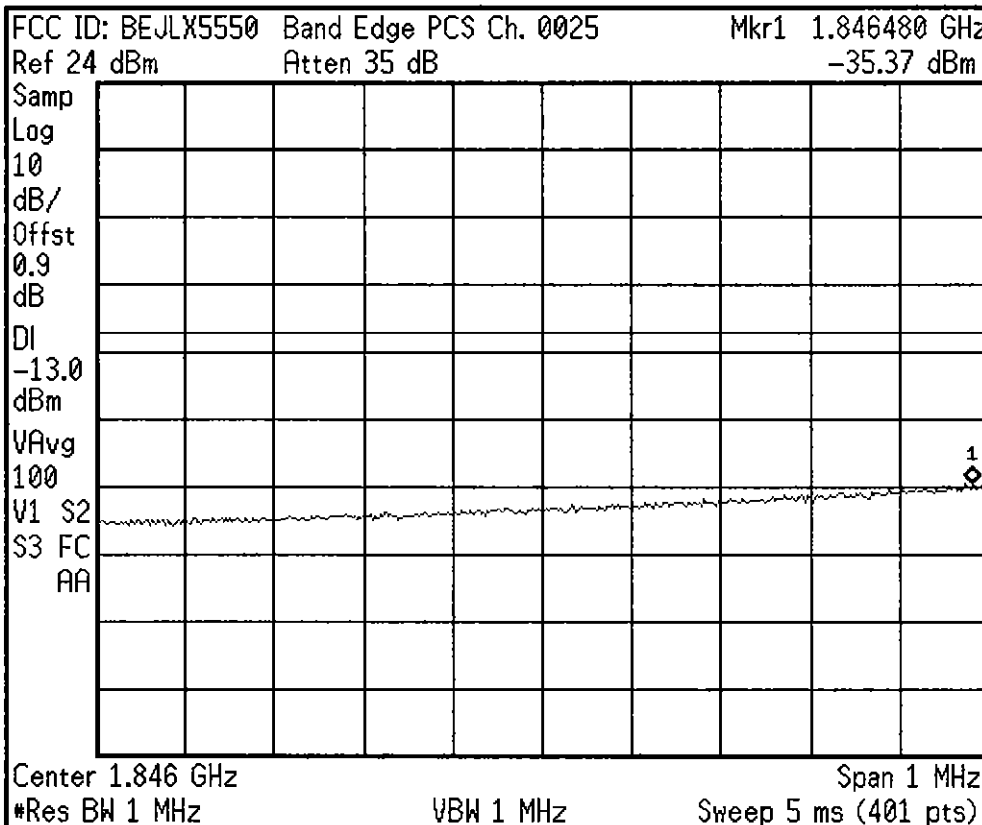
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.84600000 GHz

Start Freq
 1.84550000 GHz

Stop Freq
 1.84650000 GHz

CF Step
 100.000000 kHz
 Auto Man

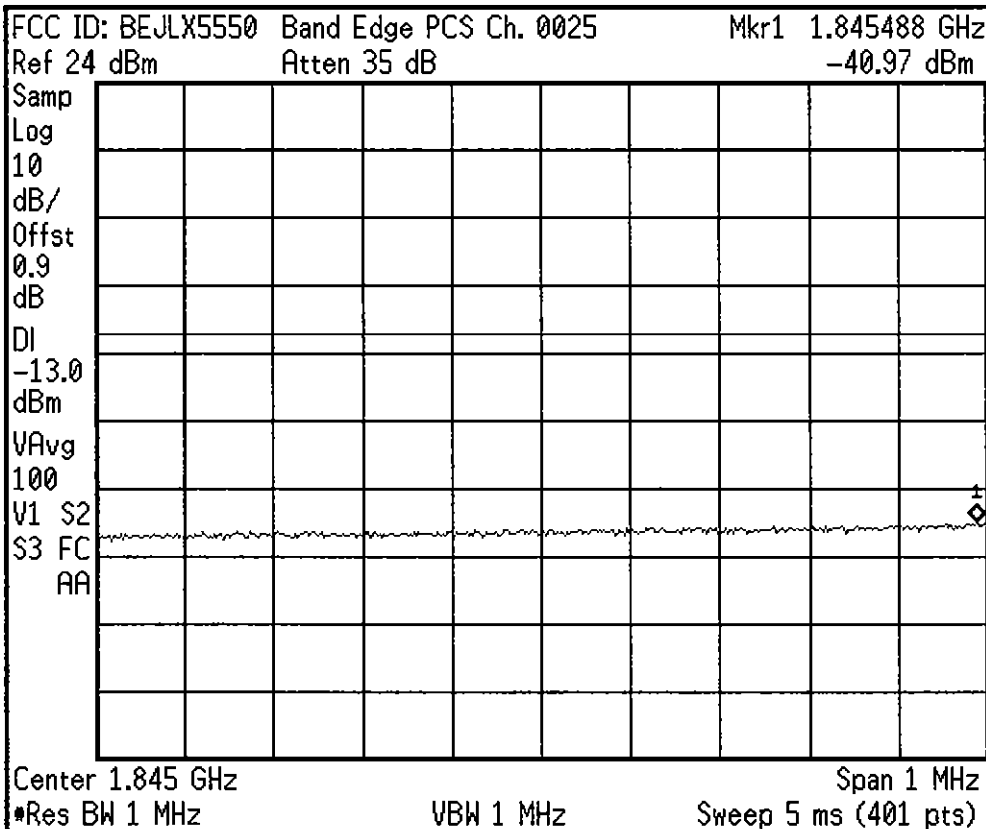
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

Stop Freq
 1.84550000 GHz

CF Step
 100.000000 kHz
 Auto Man

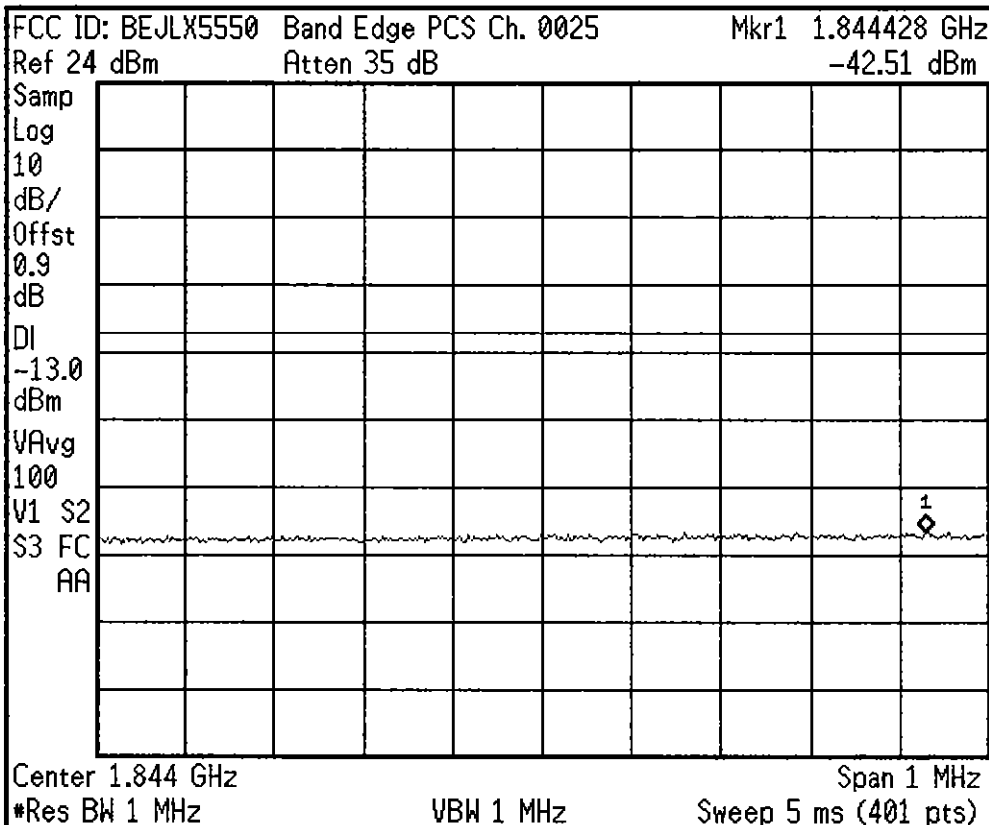
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

L



Freq/Channel

Center Freq
 1.84400000 GHz

Start Freq
 1.84350000 GHz

Stop Freq
 1.84450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

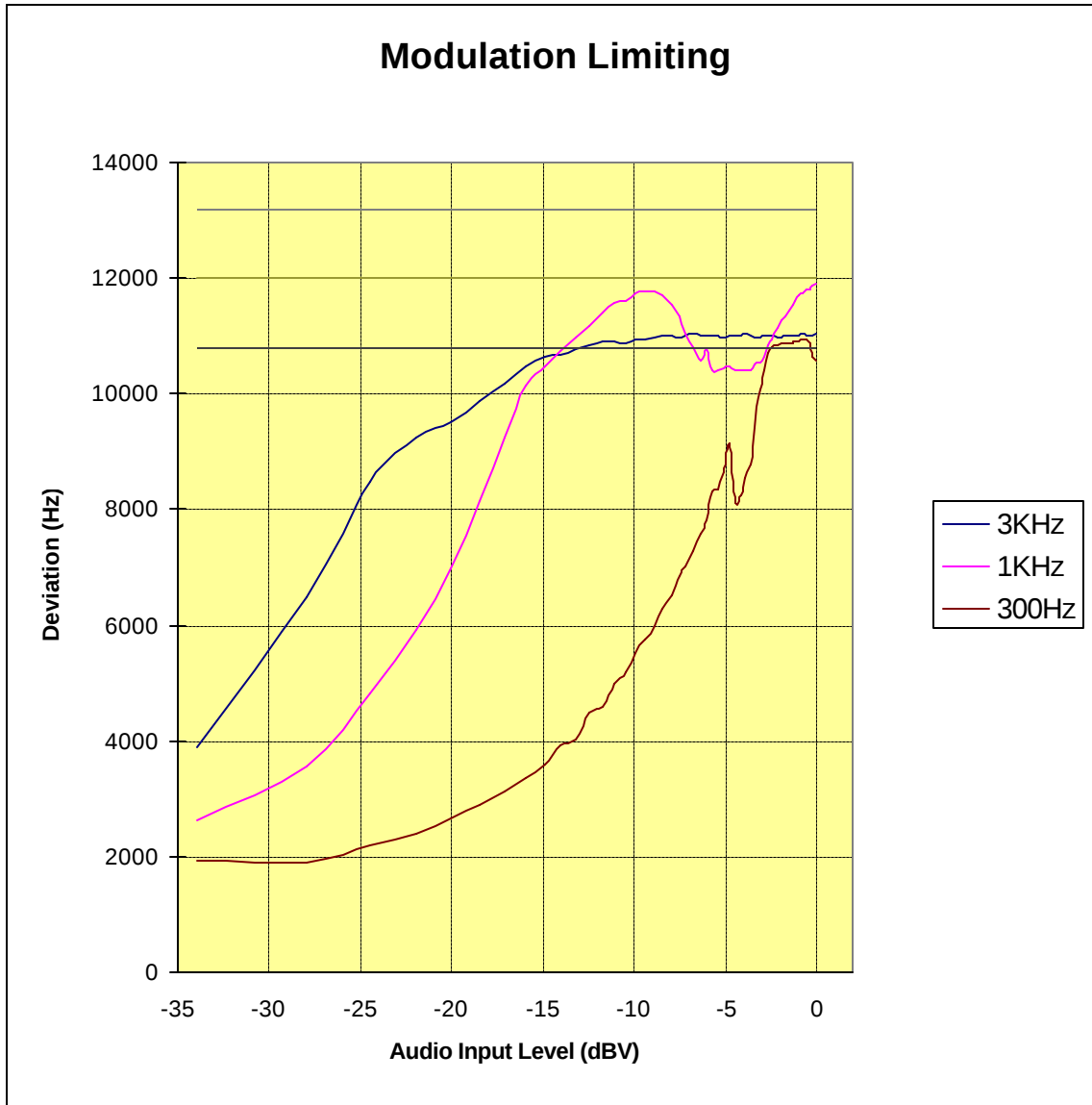
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22/24.230310134.BEJ
Test Date: 03.10.2003

EUT: LGE Tri-Mode Dual-Band Analog/PCS CDMA Phone (AMPS/CDMA)
Model: LG-LX5550
FCC ID: BEJLX5550

REFERENCE: 1 kHz = 0 dB



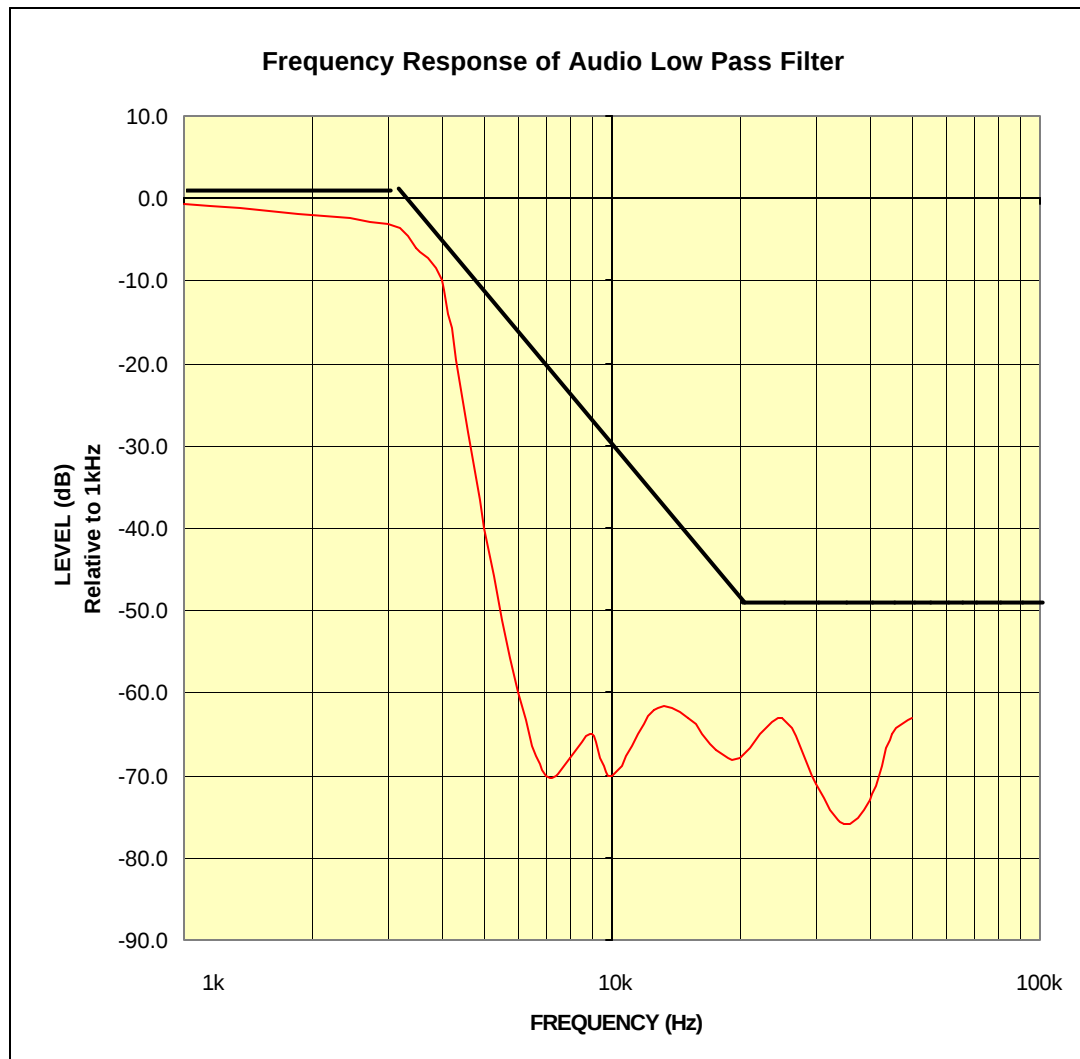
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22/24.230310134.BEJ
Test Date: 03.10.2003

EUT: LGE Tri-Mode Dual-Band Analog/PCS CDMA Phone (AMPS/CDMA)
Model: LG-LX5550
FCC ID: BEJLX5550

REFERENCE: 1 kHz = 0 dB



LGE Tri-Mode Dual-Band Analog/PCS CDMA Phone (AMPS/CDMA)
FCC ID: BEJLX5550

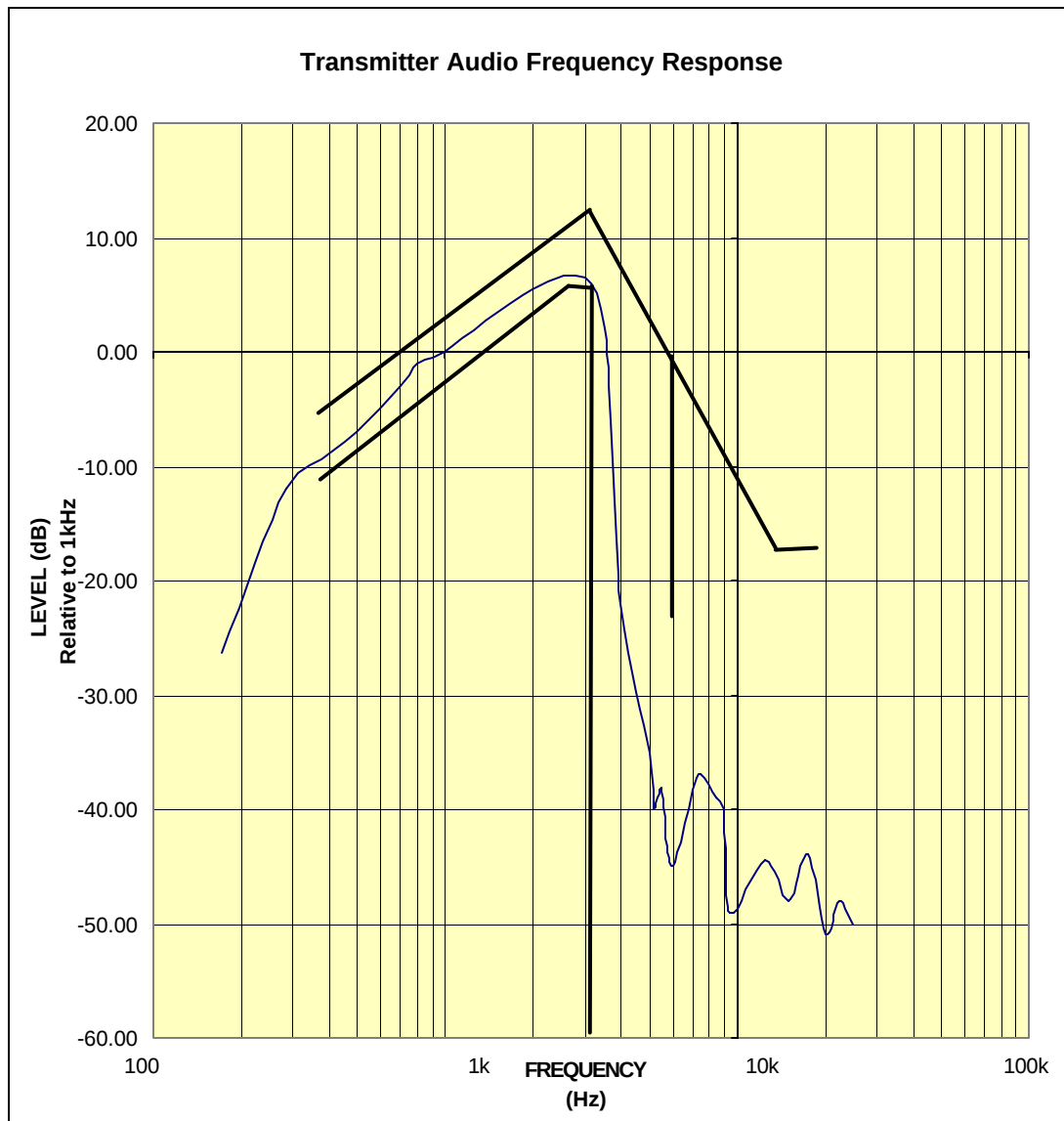
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22/24.230310134.BEJ
Test Date: 03.10.2003

EUT: LGE Tri-Mode Dual-Band Analog/PCS CDMA Phone (AMPS/CDMA)
Model: LG-LX5550
FCC ID: BEJLX5550

REFERENCE: 1 kHz = 0 dB



LGE Tri-Mode Dual-Band Analog/PCS CDMA Phone (AMPS/CDMA)
FCC ID: BEJLX5550