

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:CKLHGC-310

HYUNDAI ELECTRONICS

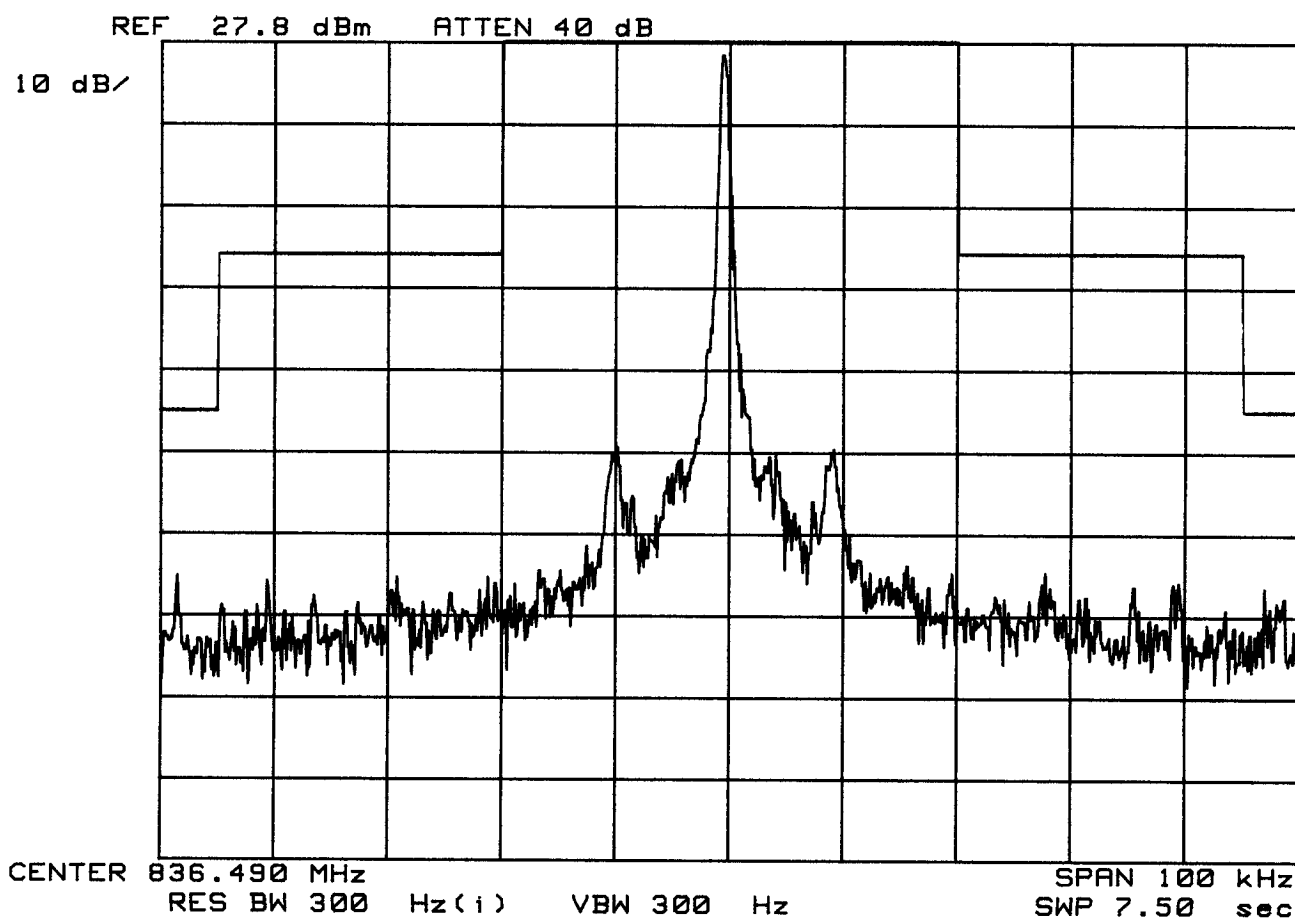
DUAL MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

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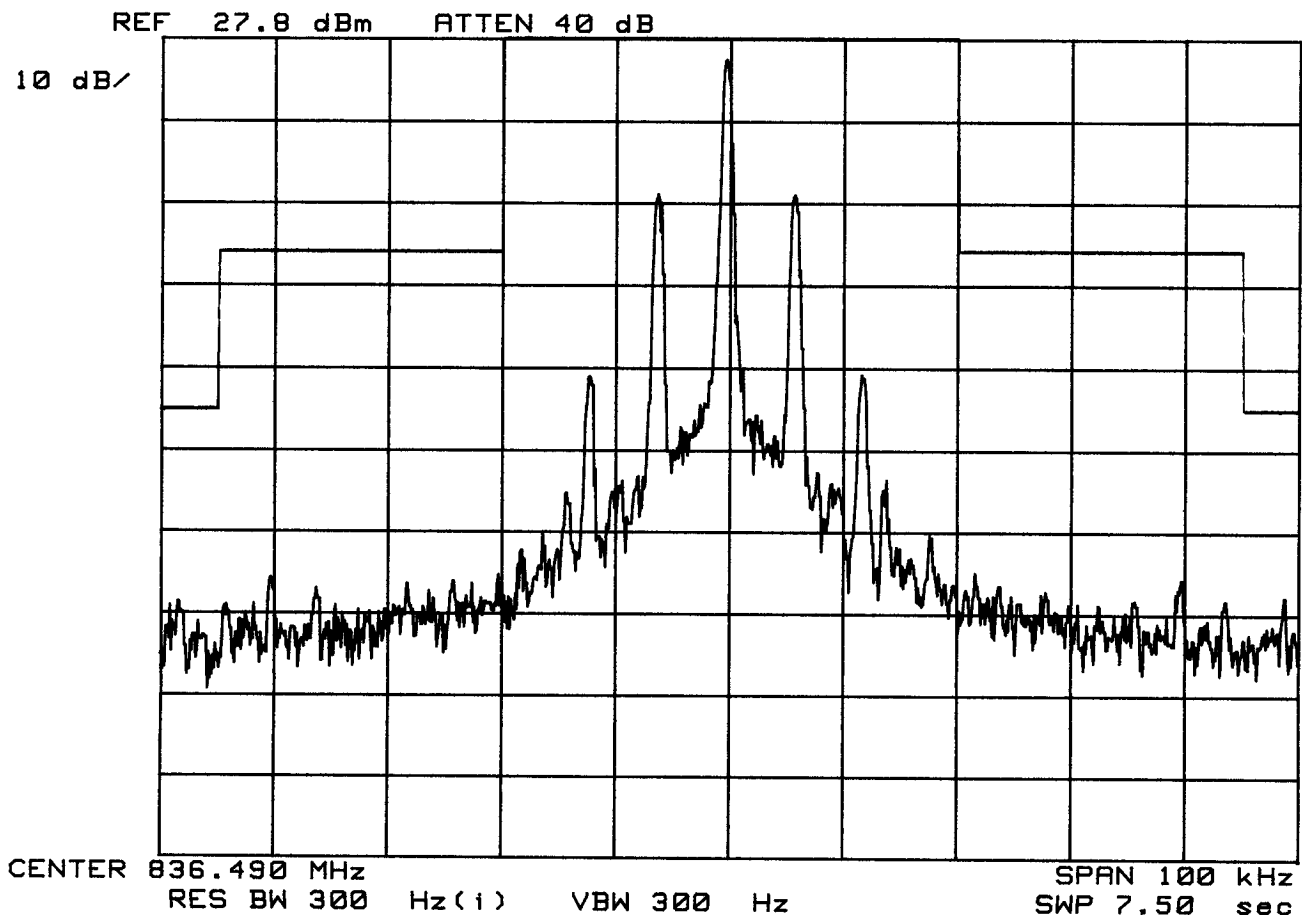
DUAL MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:SAT



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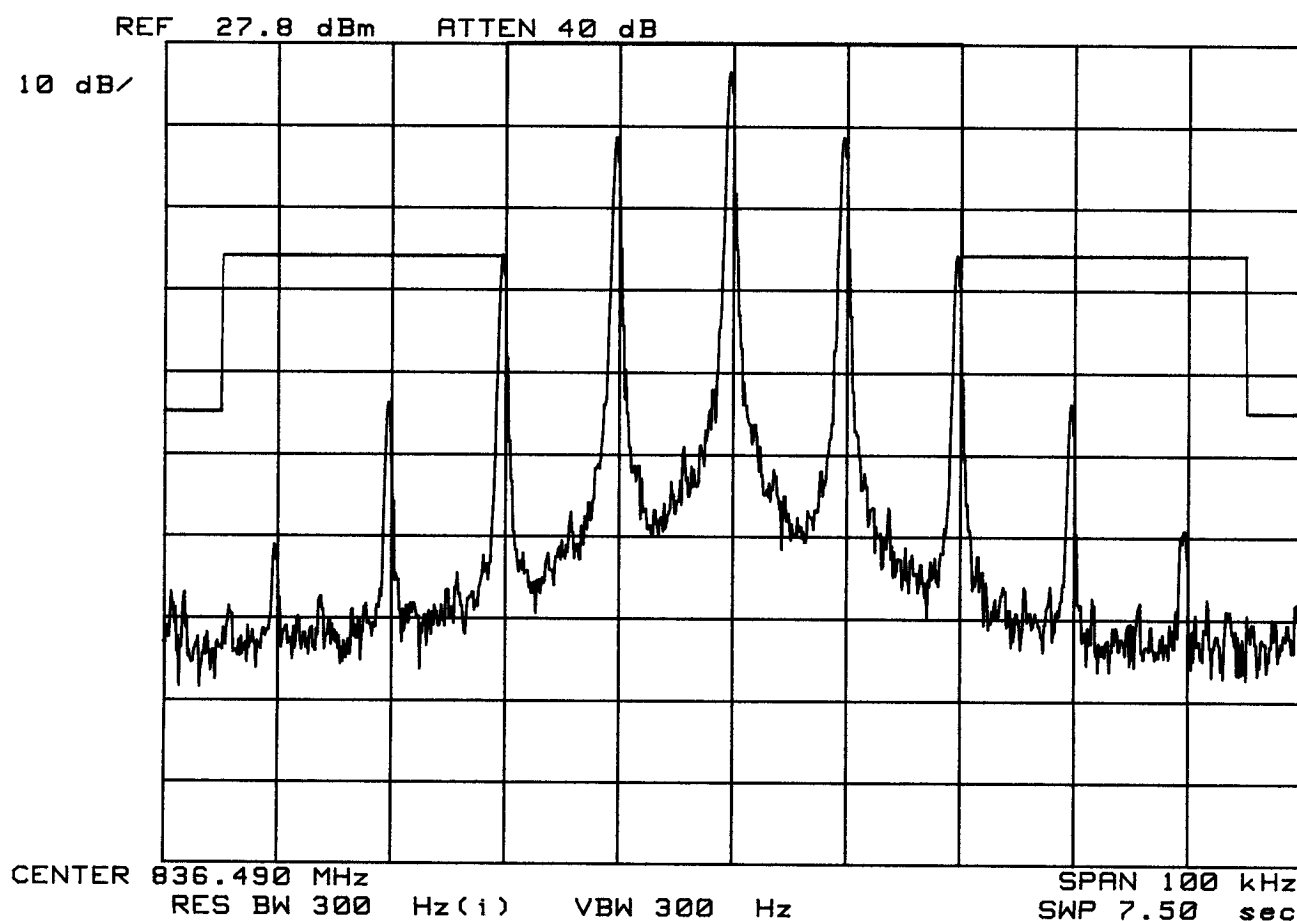
DUAL MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

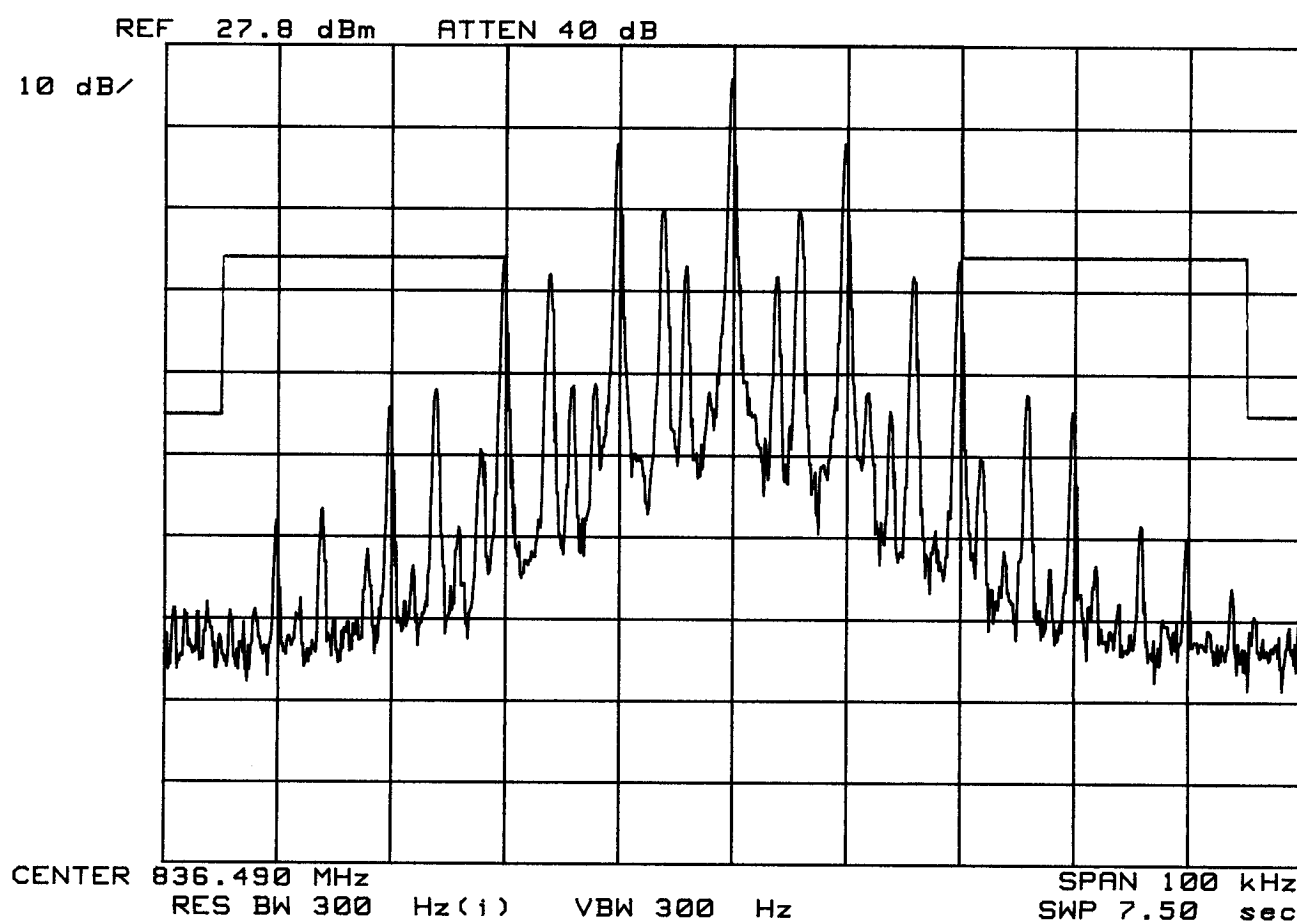
FCC ID:CKLHGC-310
HYUNDAI ELECTRONICS
DUAL MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:SAT + ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:CKLHGC-310

HYUNDAI ELECTRONICS

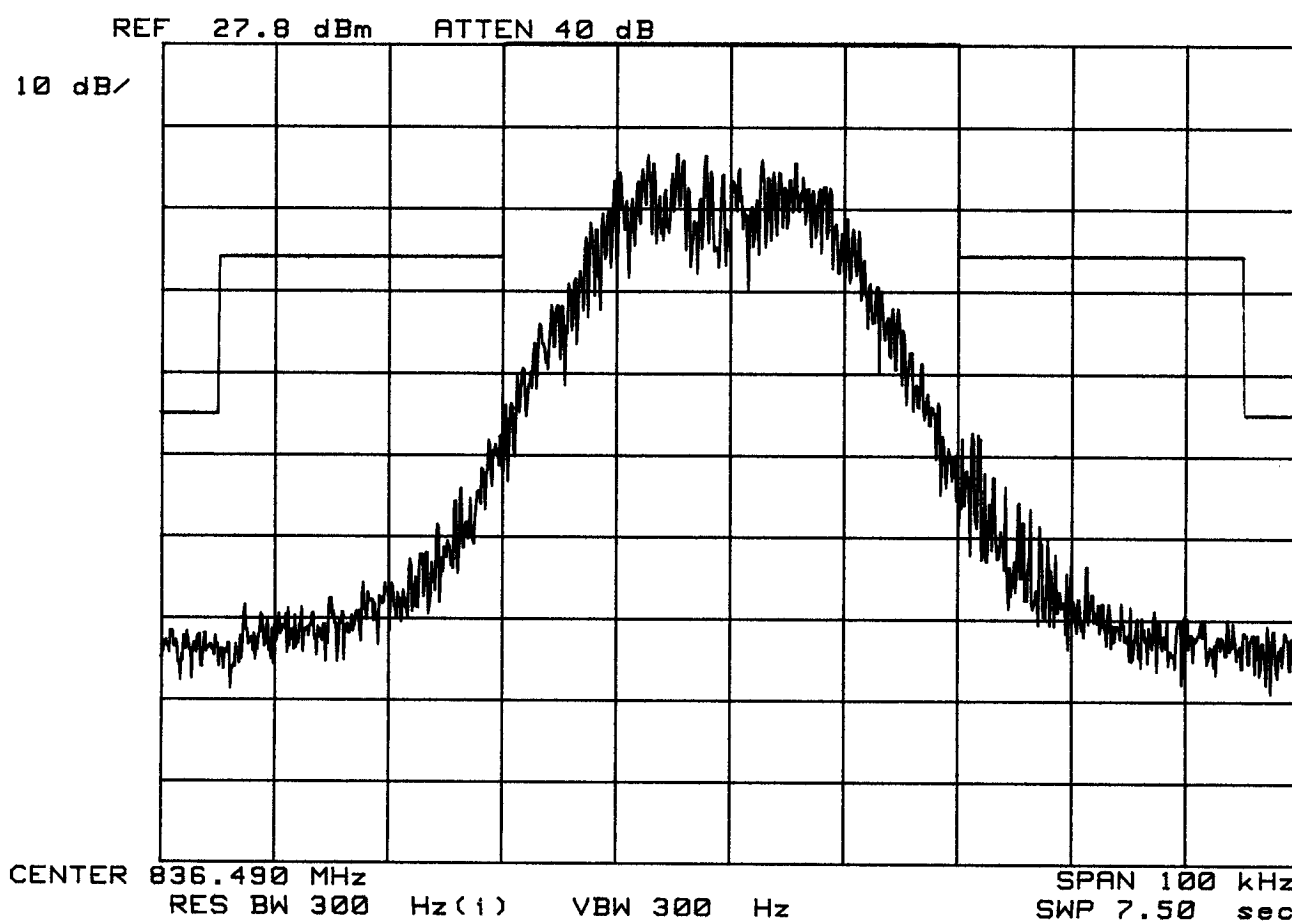
DUAL MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:SAT + Voice



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FCC ID:CKLHGC-310

HYUNDAI ELECTRONICS

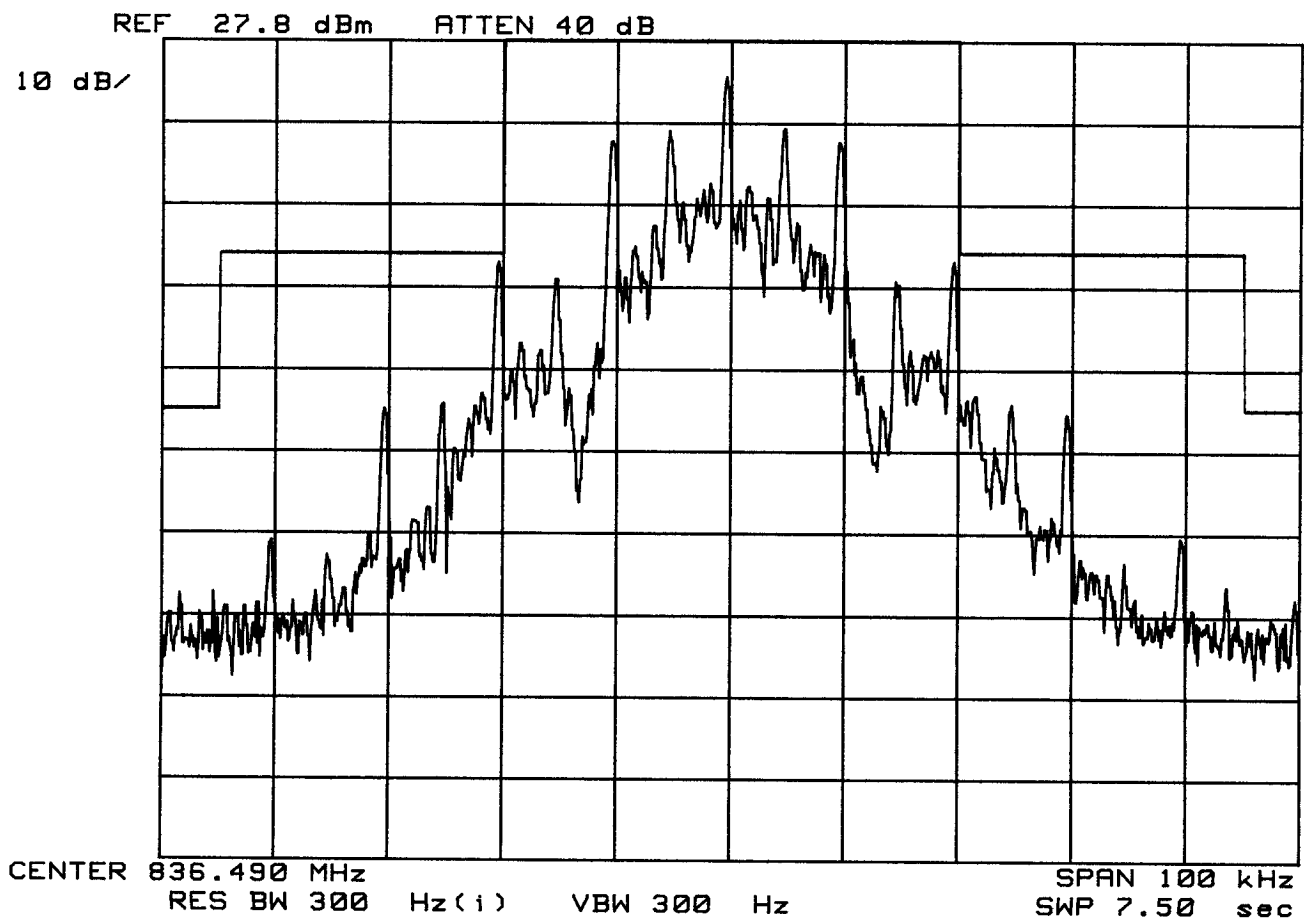
DUAL MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:Wide Band Data



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SPECTRUM ANALYZER PRESENTATION

FCC ID:CKLHGC-310

HYUNDAI ELECTRONICS

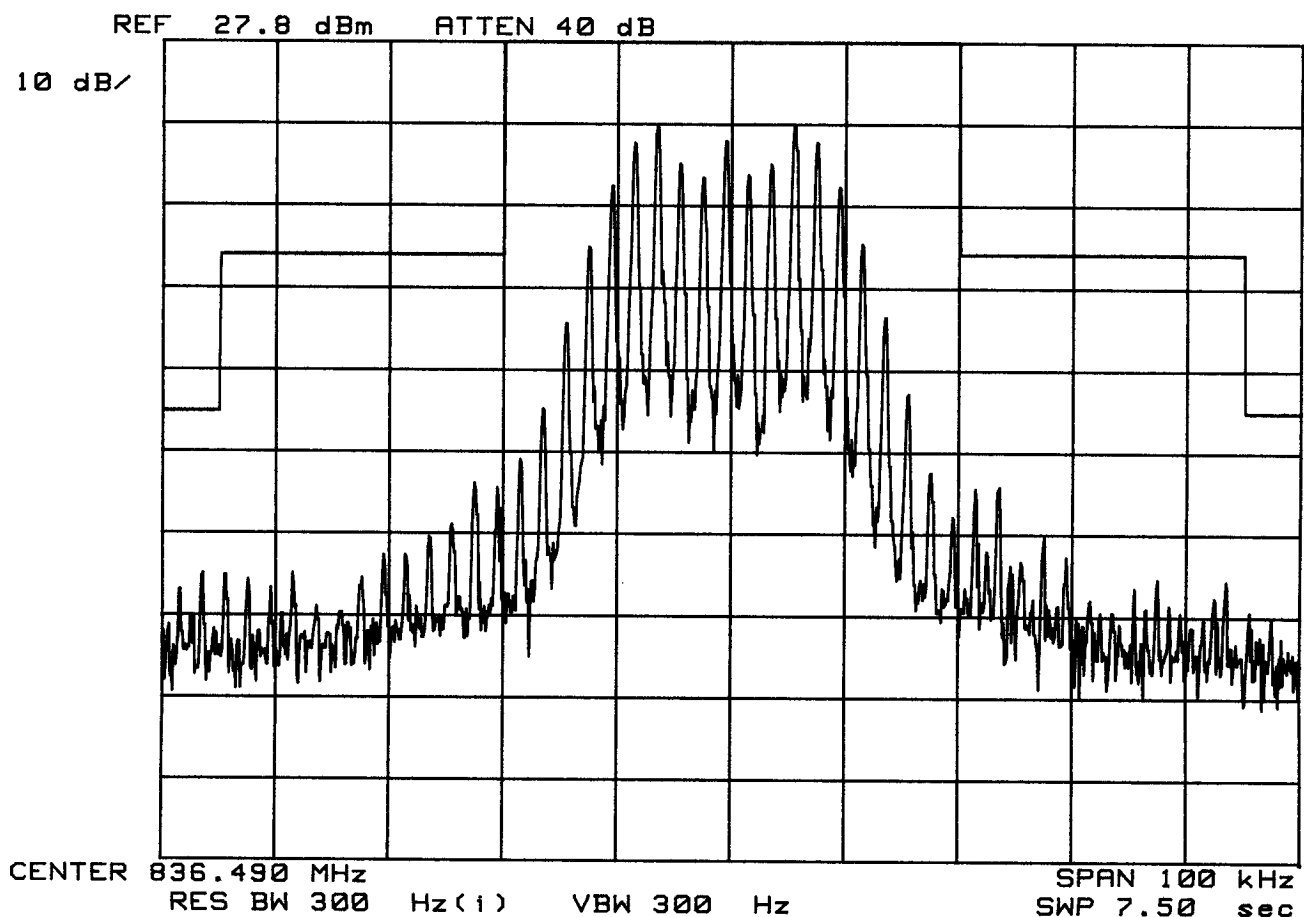
DUAL MODE

FM Channel 0383

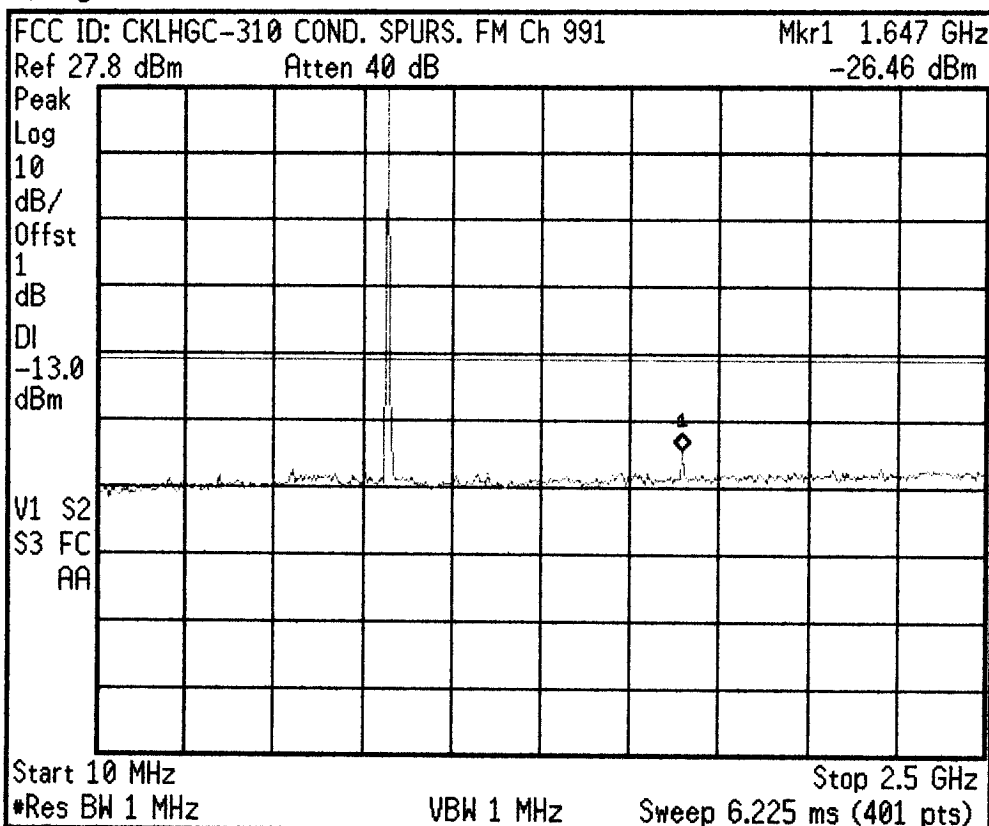
Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:Voice



* Agilent 10:53:09 Oct 13, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

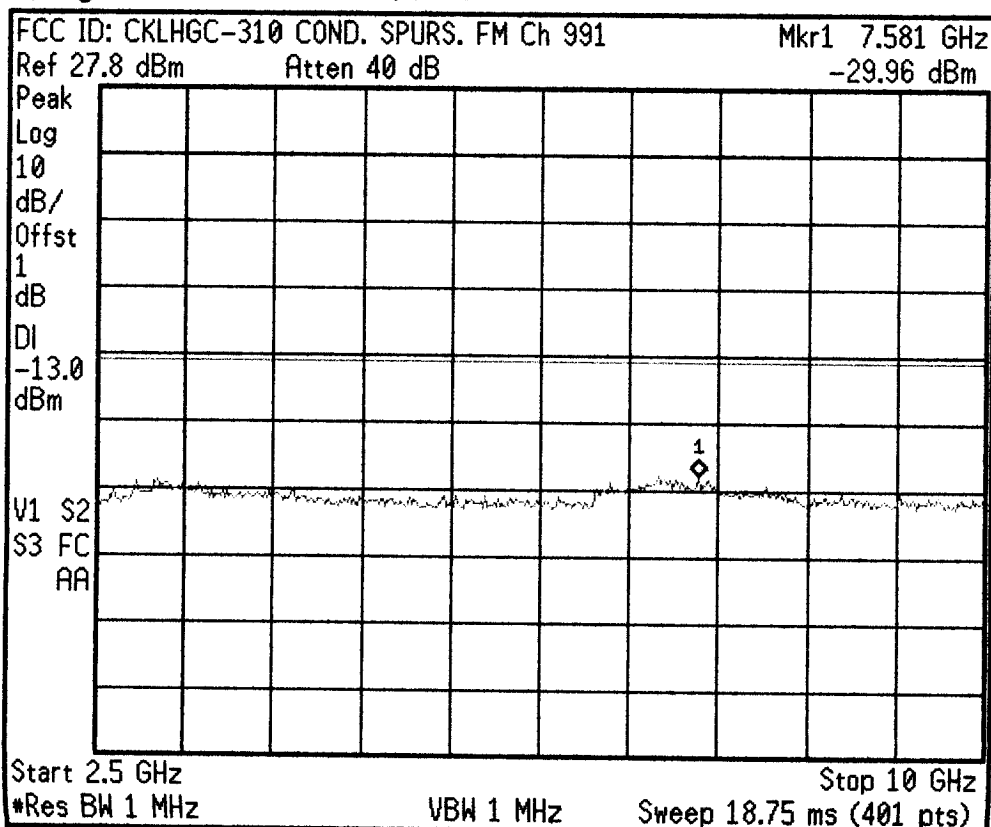
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:54:02 Oct 13, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

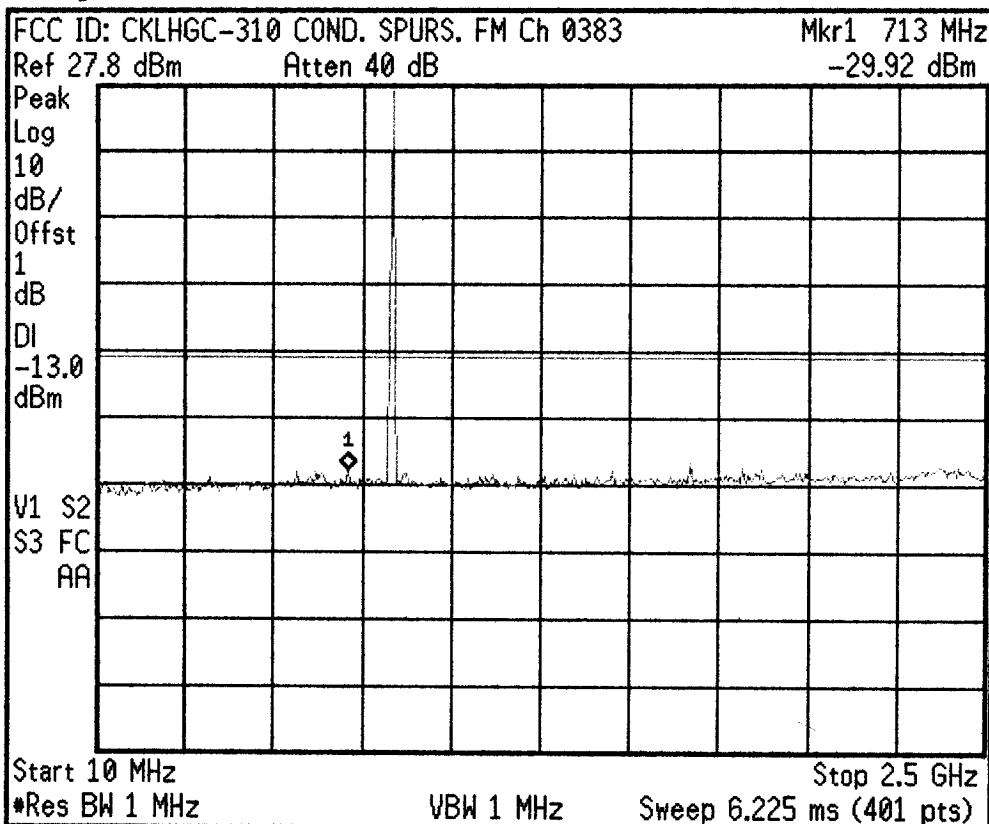
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:56:56 Oct 13, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

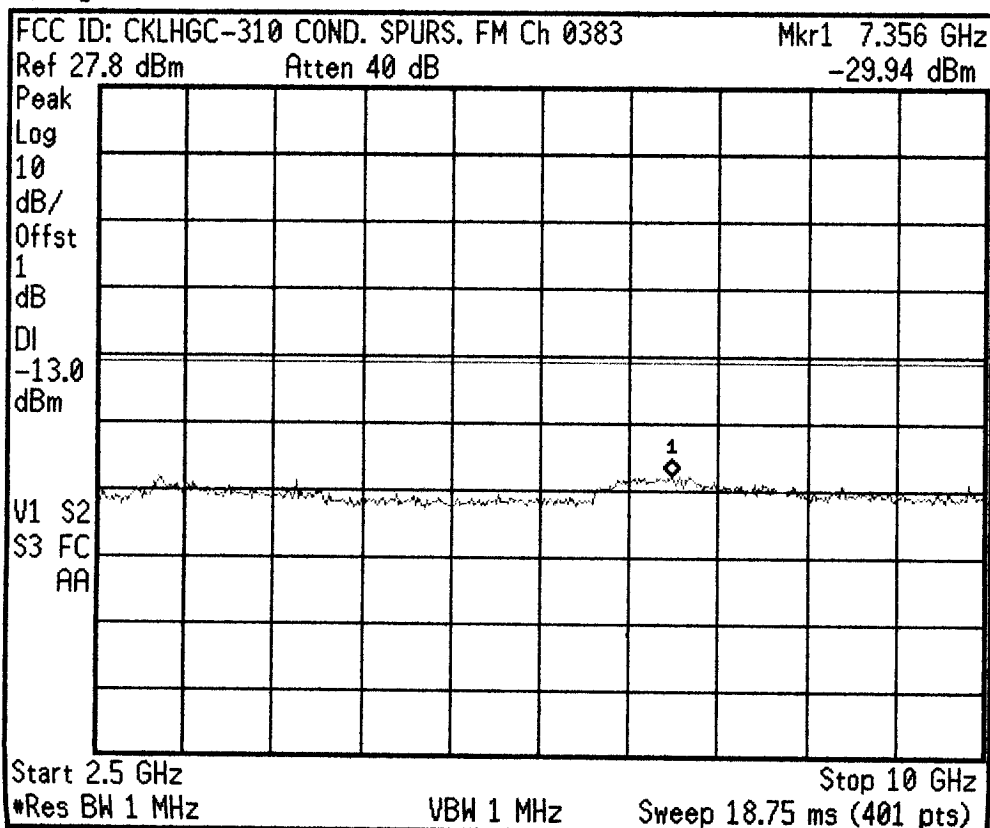
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:57:54 Oct 13, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

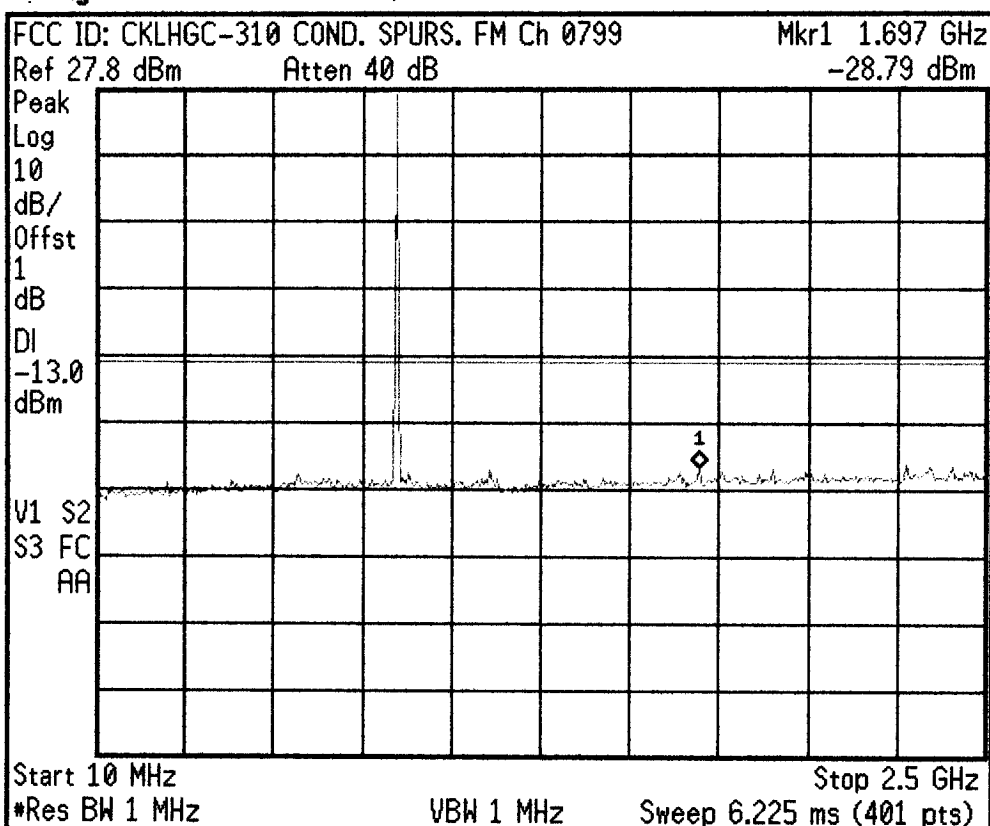
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 10:59:23 Oct 13, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

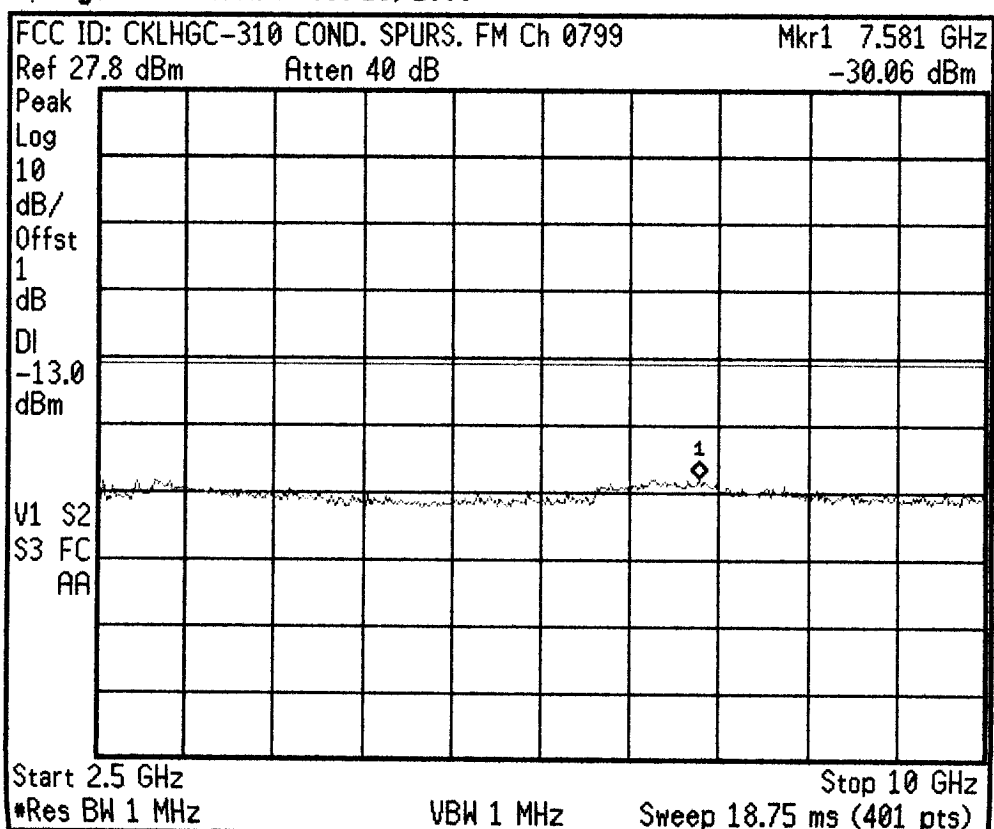
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:00:19 Oct 13, 2000



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: CKLHGC-310 FM MODE

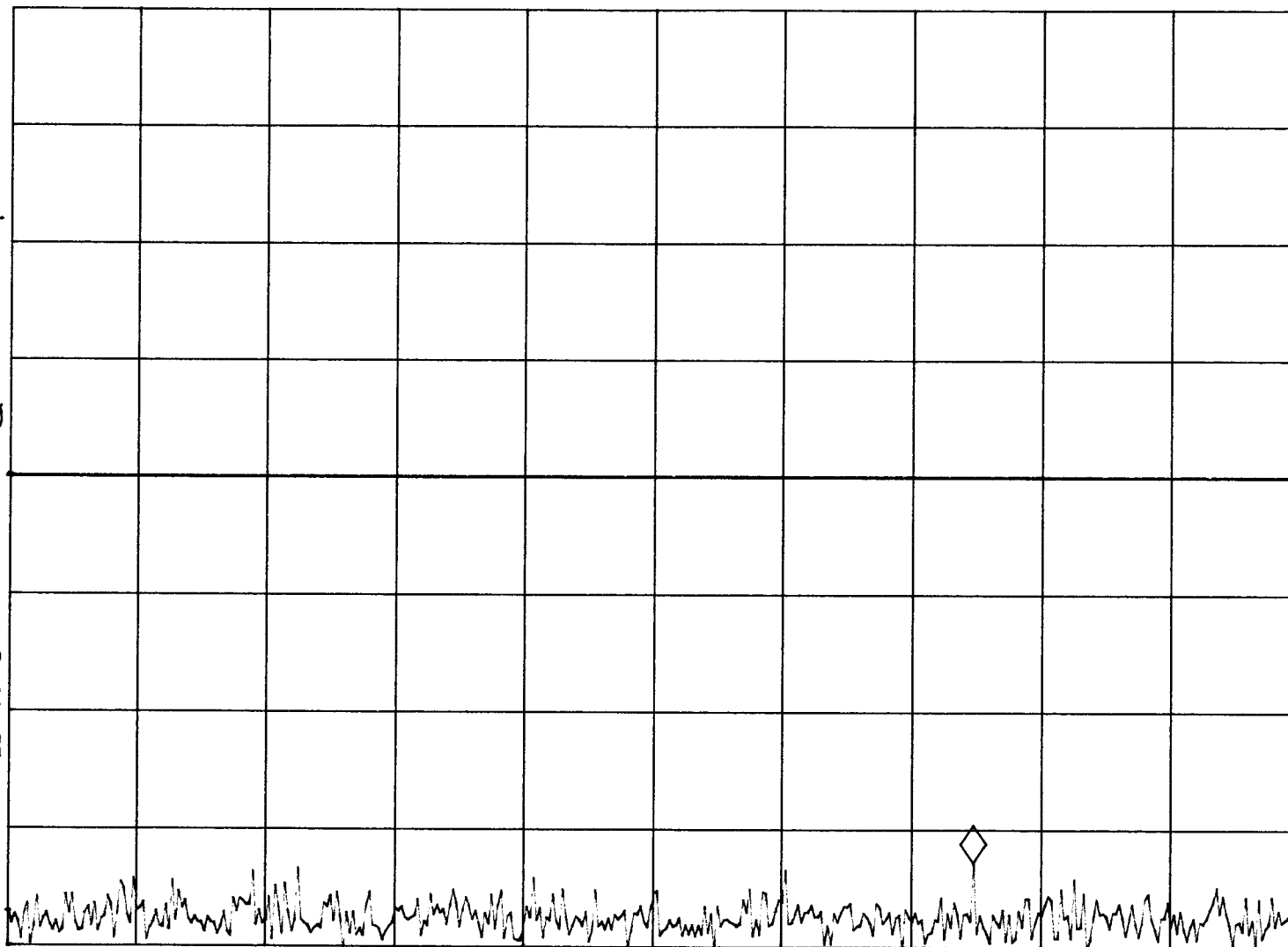
MKR 887.69 MHz

REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB

-96.38 dBm

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

VA VB
SC FC
CORR



START 869.00 MHz

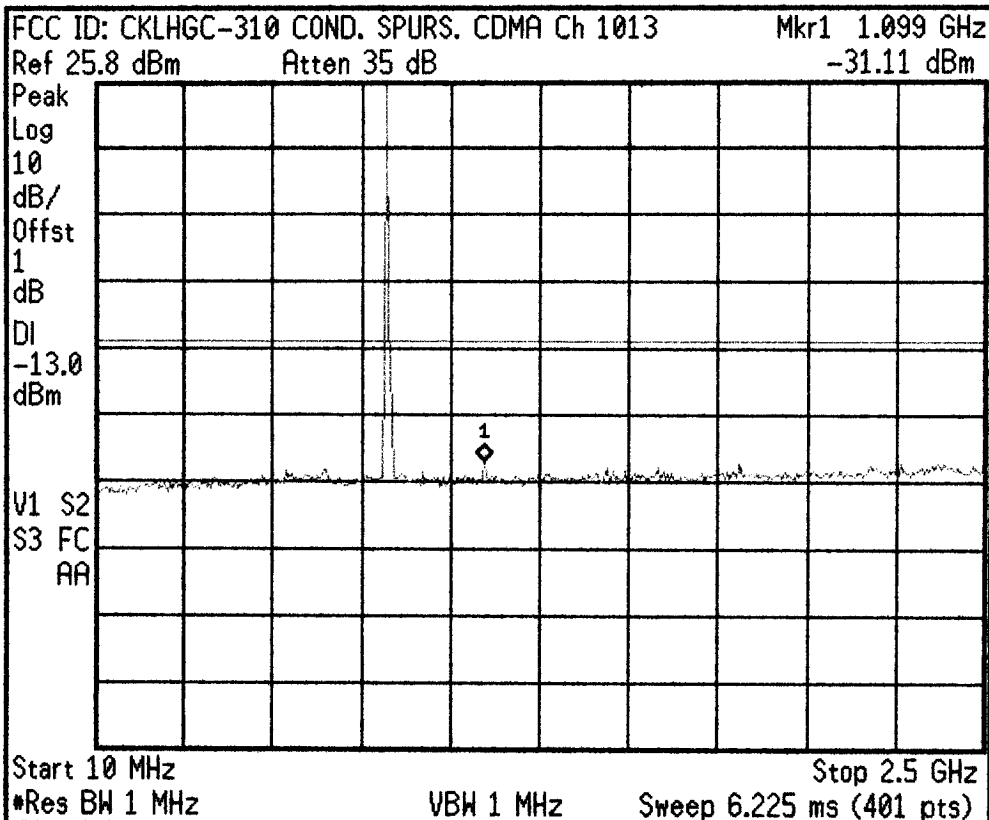
STOP 894.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

SWP 20 msec

* Agilent 11:07:41 Oct 13, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

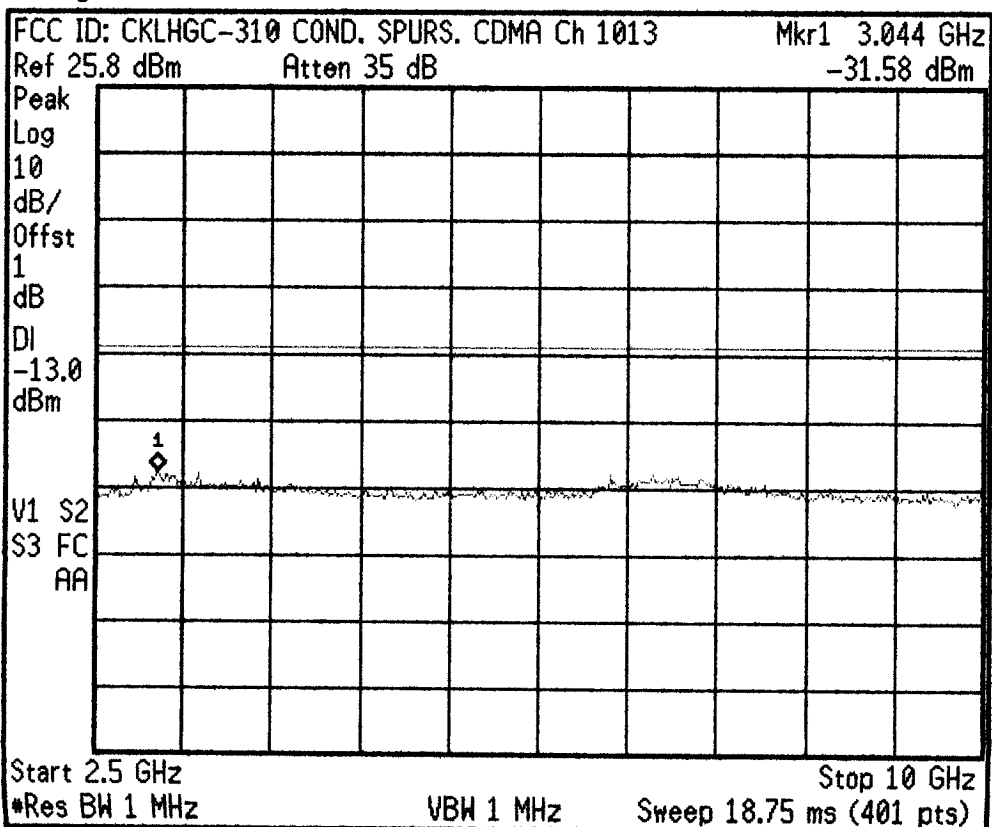
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:08:49 Oct 13, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

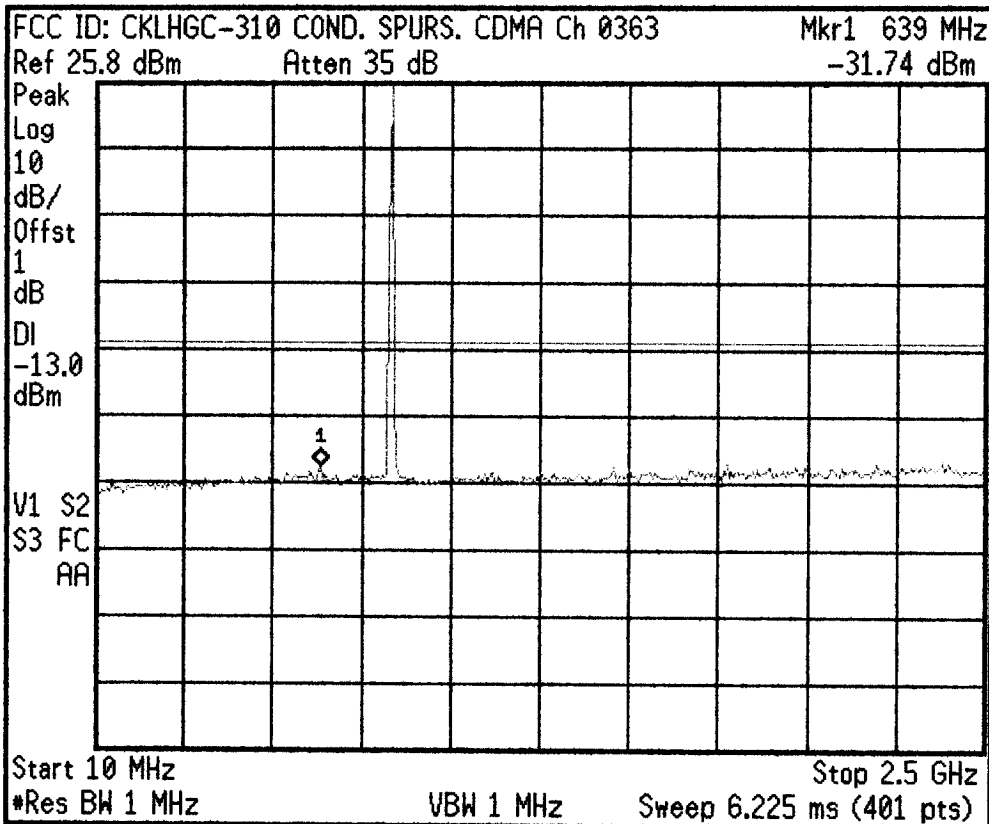
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:25:20 Oct 13, 2000



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

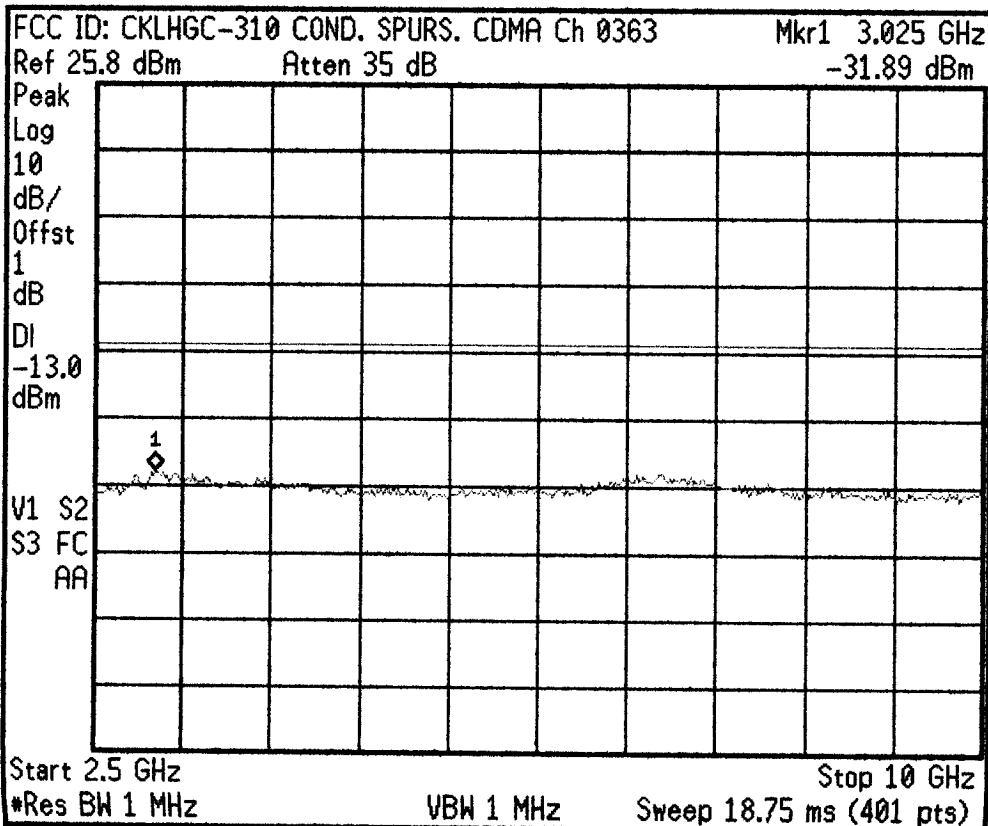
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:26:36 Oct 13, 2000



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

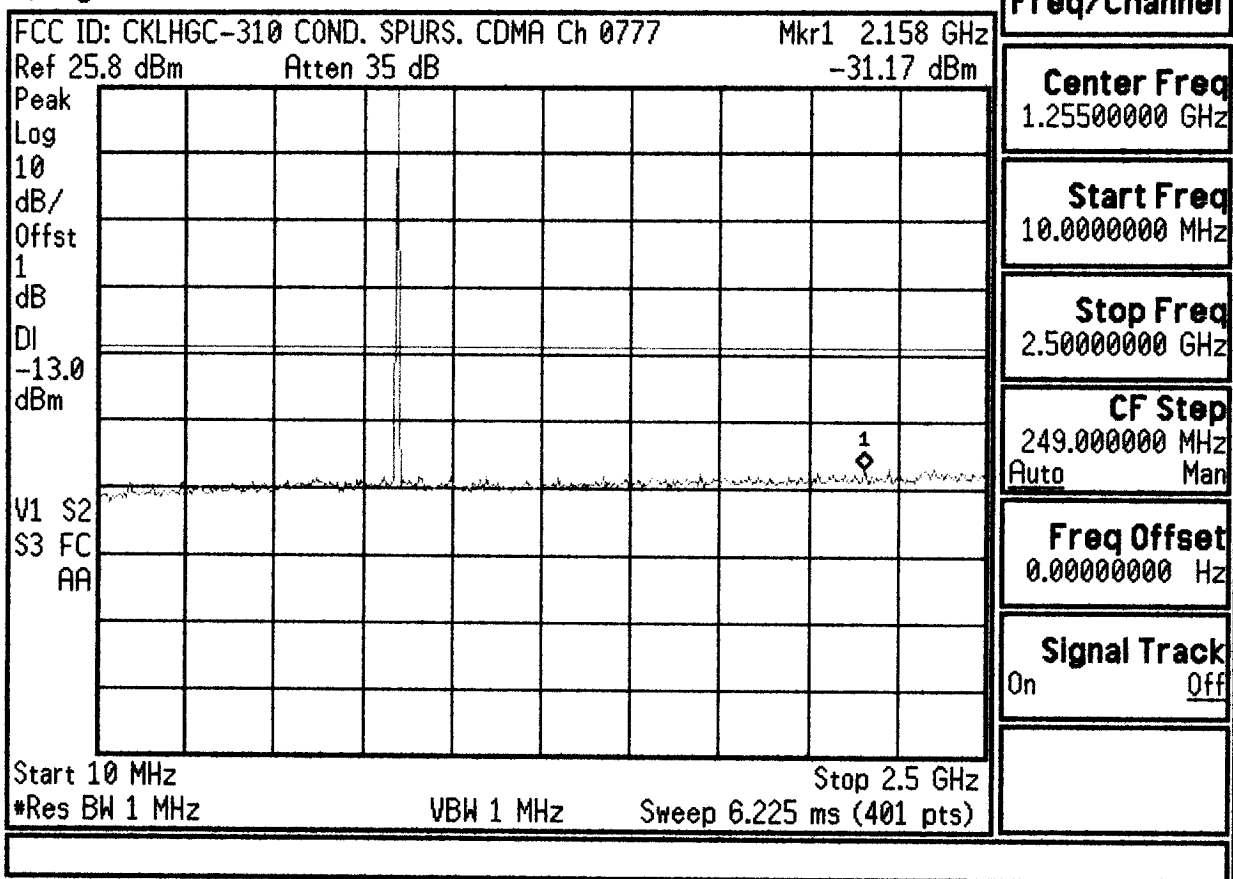
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

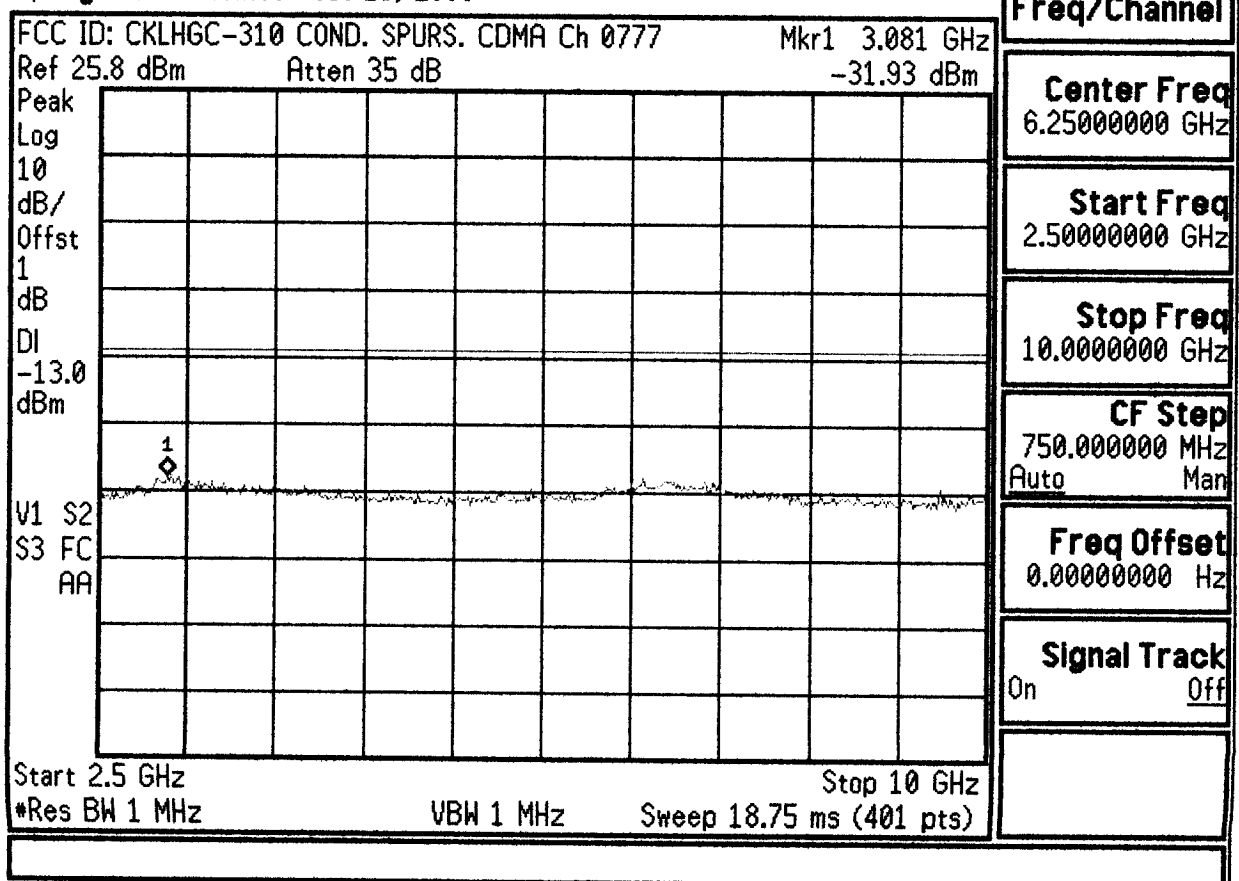
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 11:21:59 Oct 13, 2000



* Agilent 11:22:53 Oct 13, 2000



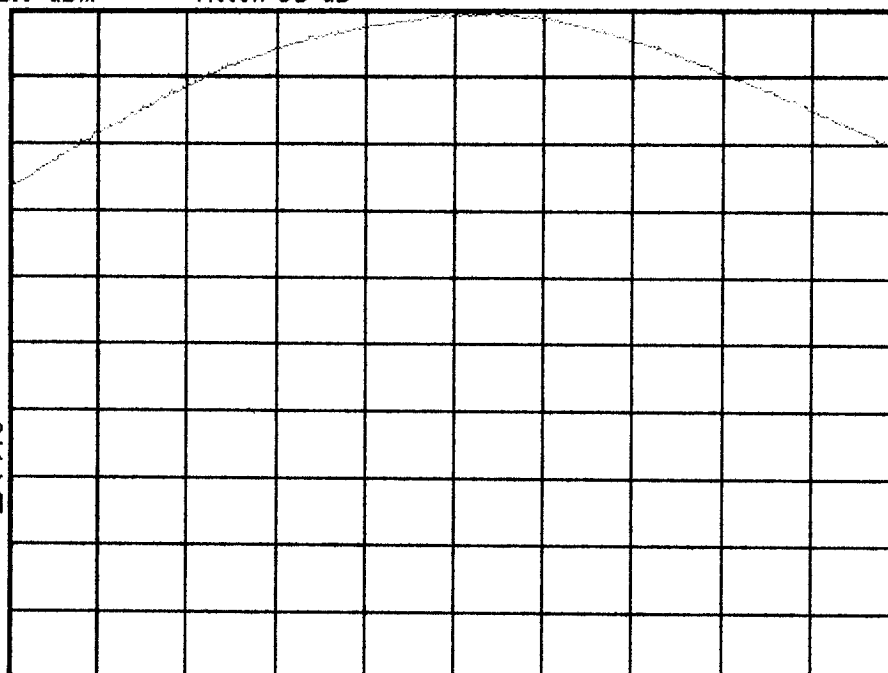
* Agilent 11:31:08 Oct 13, 2000

FCC ID: CKLHGC-310 POWER OUT CDMA Ch 1013

Ref 25.8 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1
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

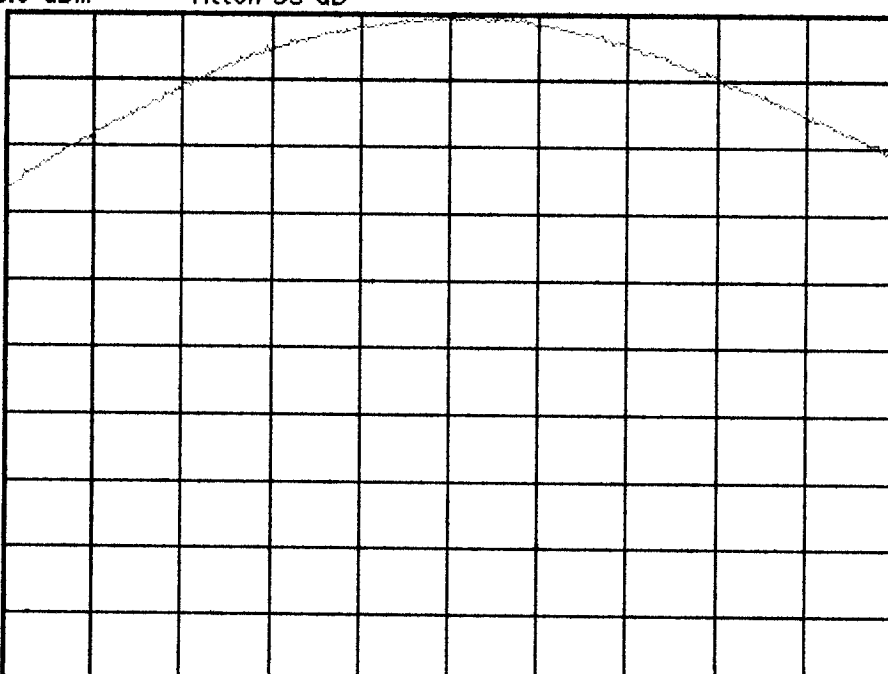
* Agilent 11:32:37 Oct 13, 2000

FCC ID: CKLHGC-310 POWER OUT CDMA Ch 0777

Ref 25.8 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1
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

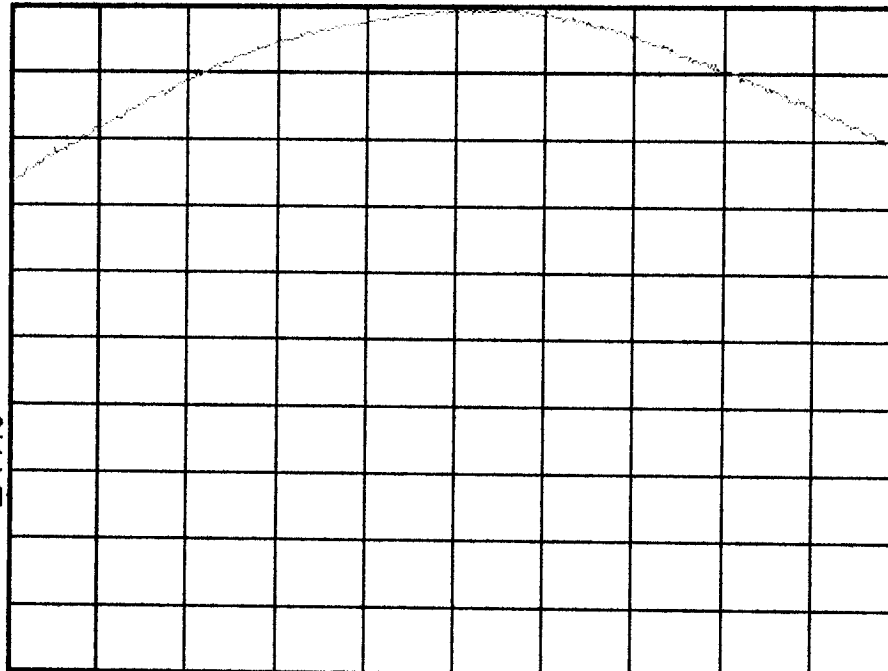
* Agilent 11:40:42 Oct 13, 2000

FCC ID: CKLHGC-310 POWER OUT CDMA Ch 0363

Ref 25.8 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1
dB

V1 S2
S3 FC
AA



Center 835.9 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 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

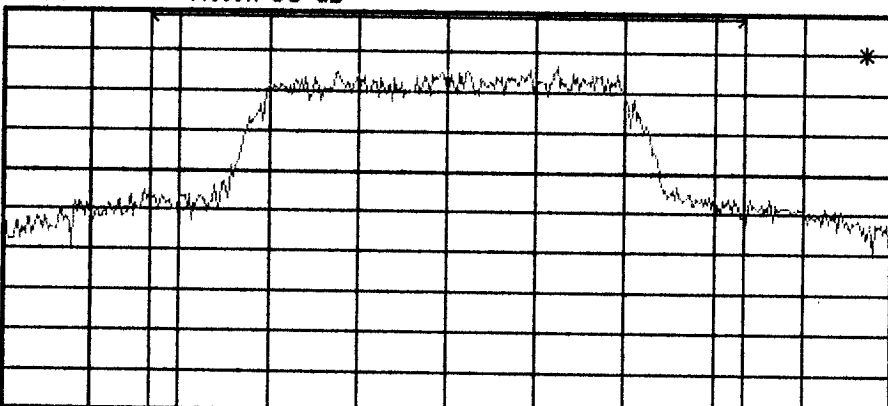
* Agilent 11:45:21 Oct 13, 2000

FCC ID: CKLHGC-310 POWER OUT CDMA Ch 0363

Ref 25.8 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
1
dB

VAvg



Center 835.9 MHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz
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)

Avg 10/10

Channel Power
25.83 dBm

Integration BW 2.000 MHz

Density -37.18 dBm/Hz

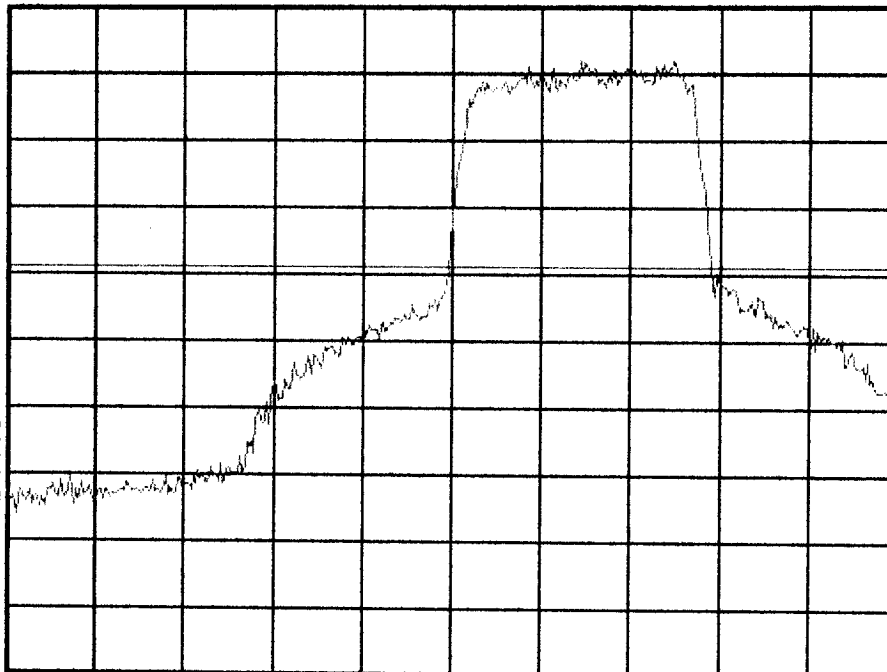
* Agilent 11:36:06 Oct 13, 2000

FCC ID: CKLHGC-310 BAND EDGE CDMA Ch 1013

Ref 25.8 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm

V1 S2
S3 FC
AA



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

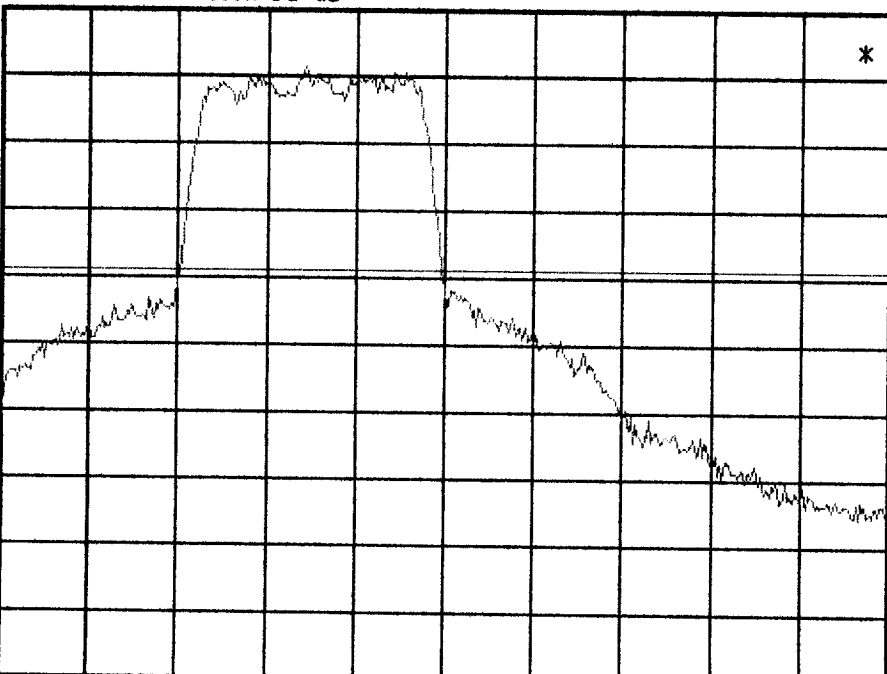
* Agilent 11:38:29 Oct 13, 2000

FCC ID: CKLHGC-310 BAND EDGE CDMA Ch 0777

Ref 25.8 dBm Atten 35 dB

Peak
Log
10
dB/
Offst
1
dB
DI
-13.0
dBm

V1 S2
S3 FC
AA



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