

ATTACHMENT D – TEST PLOTS

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

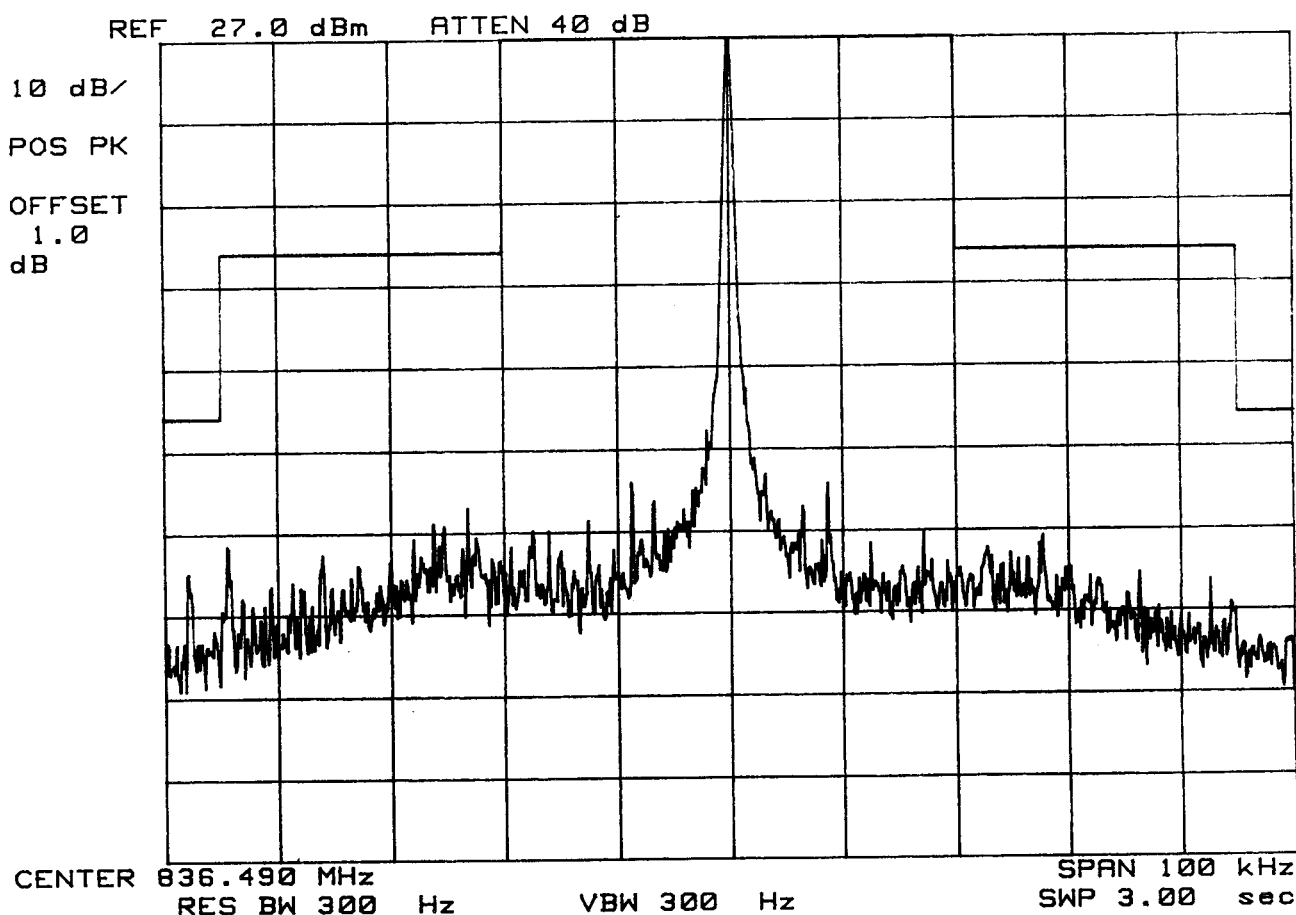
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

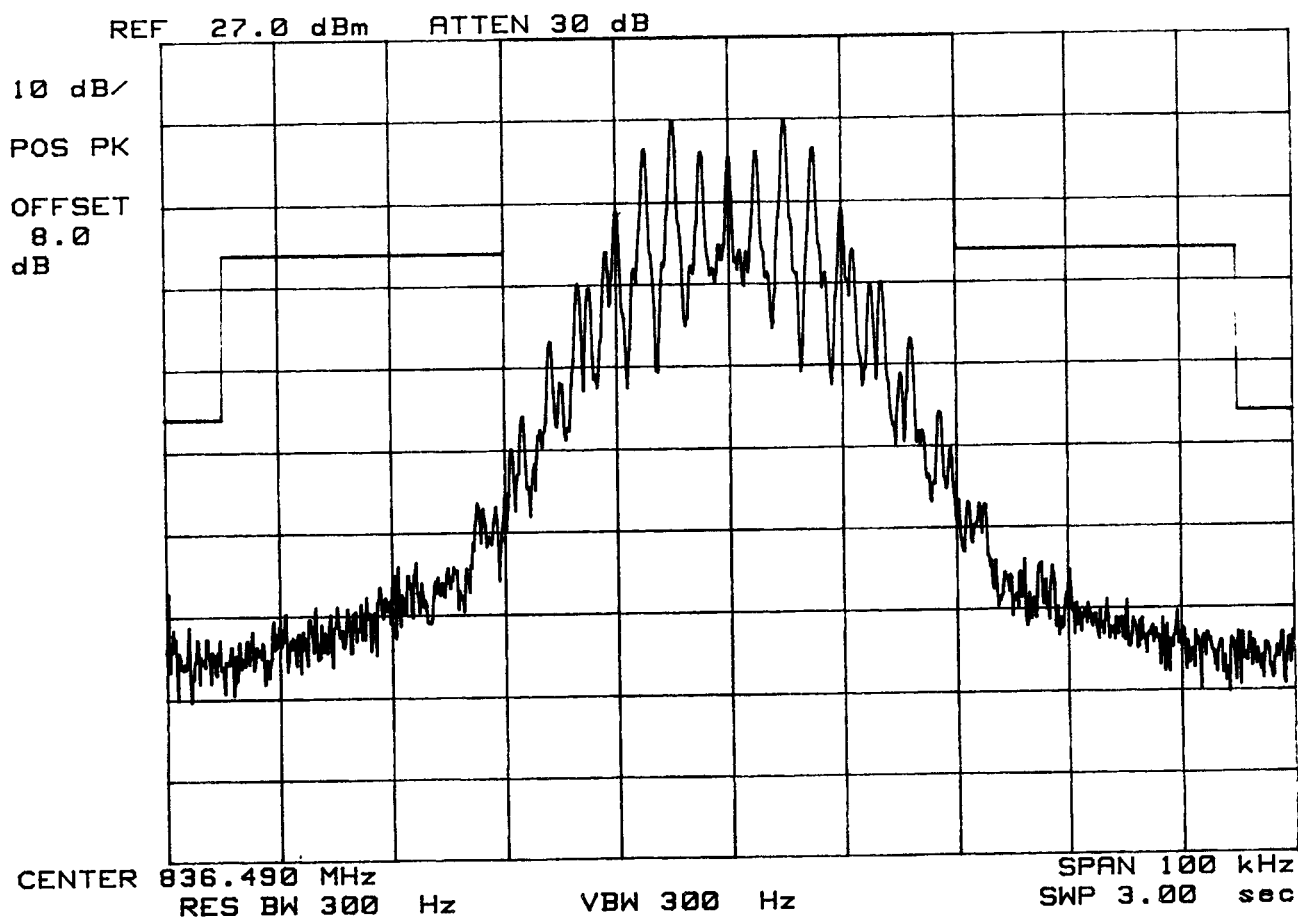
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

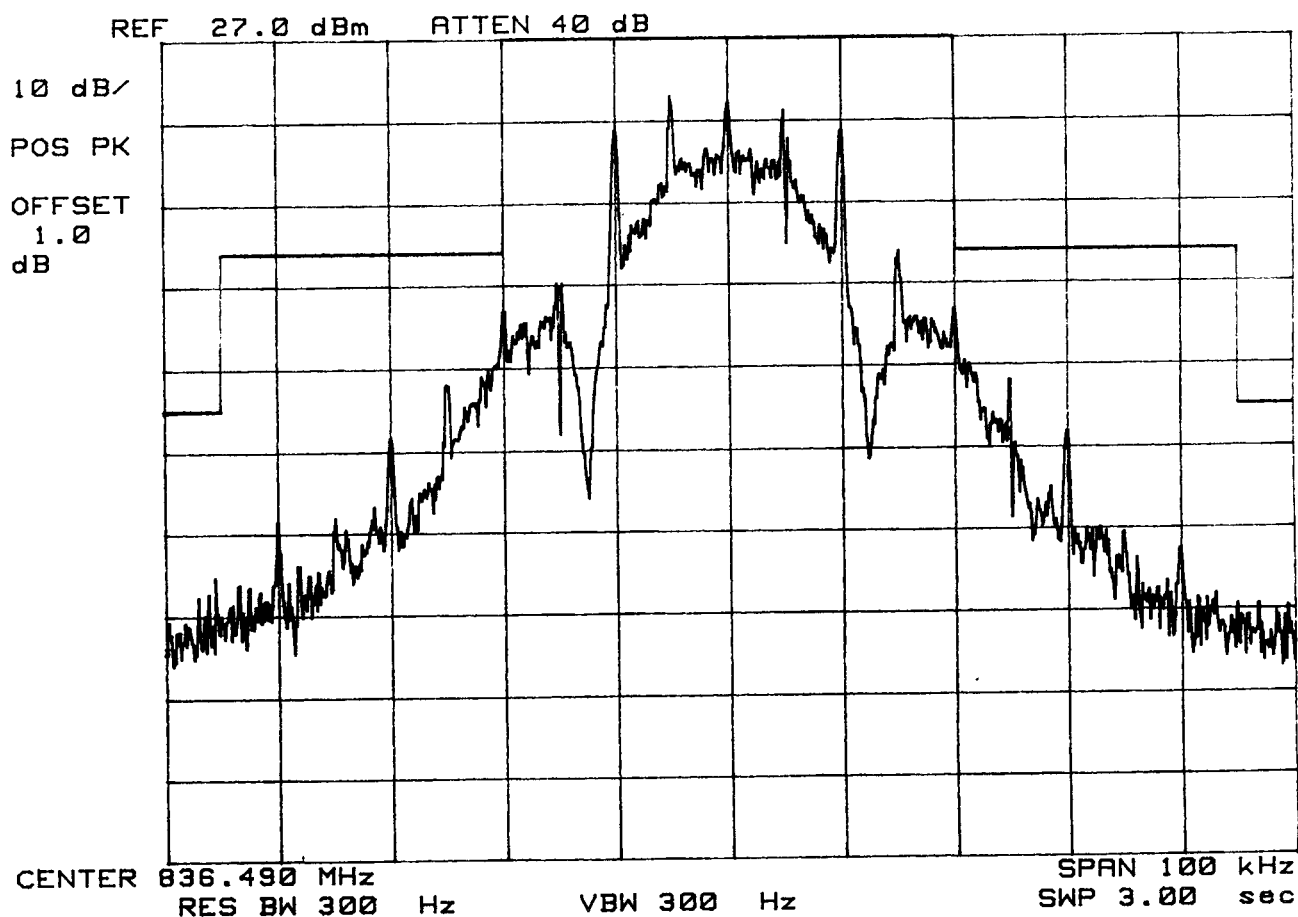
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

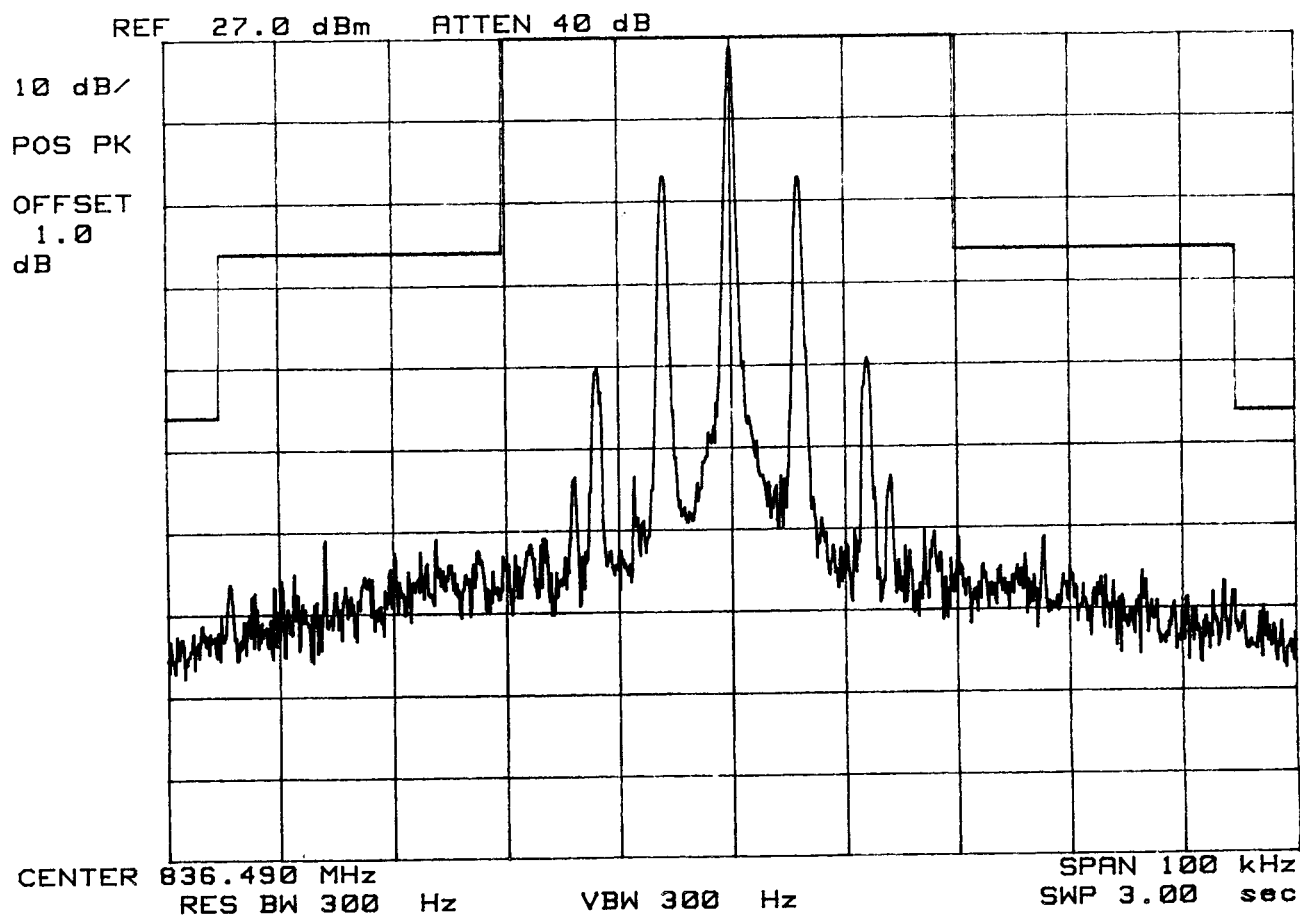
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

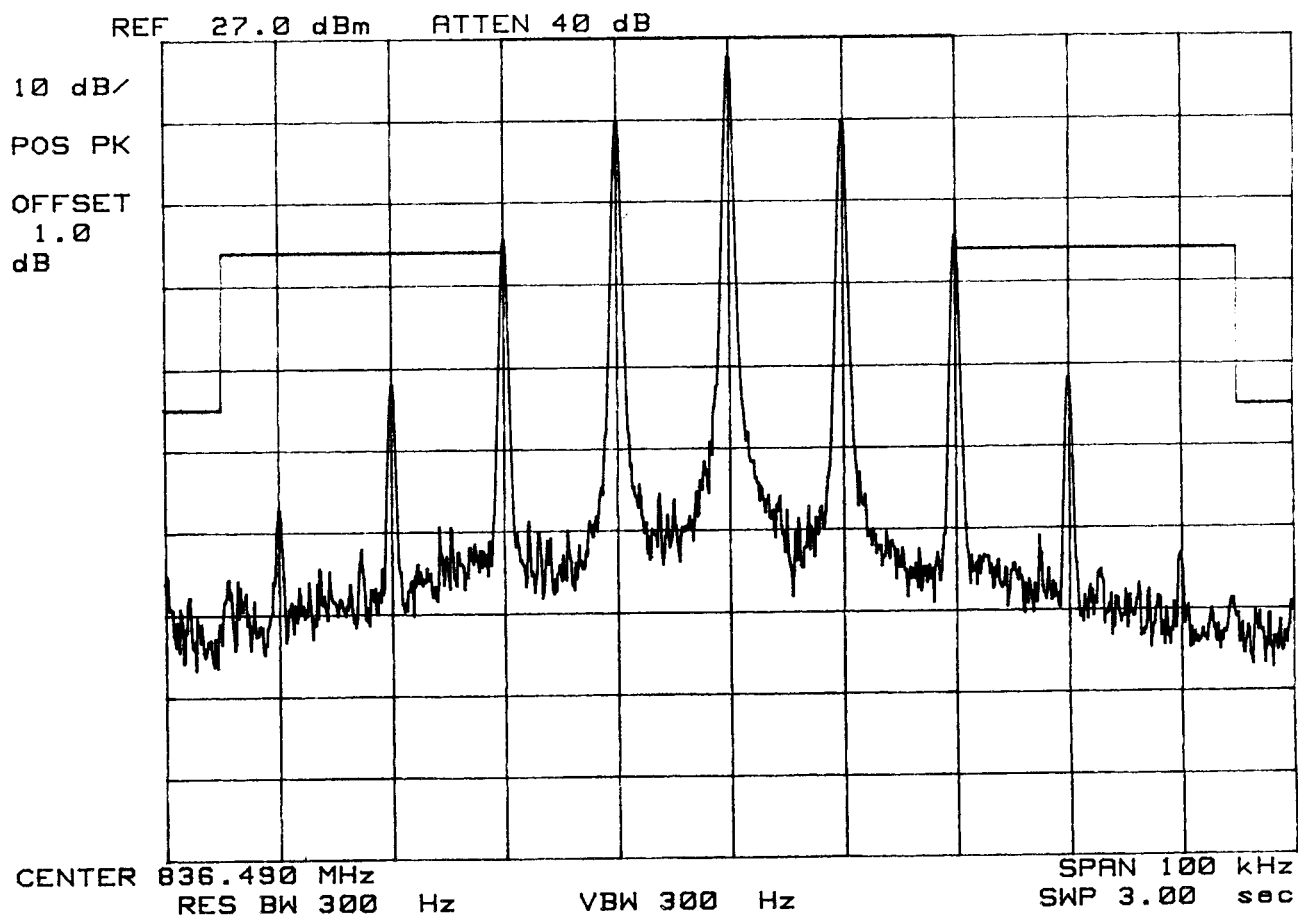
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

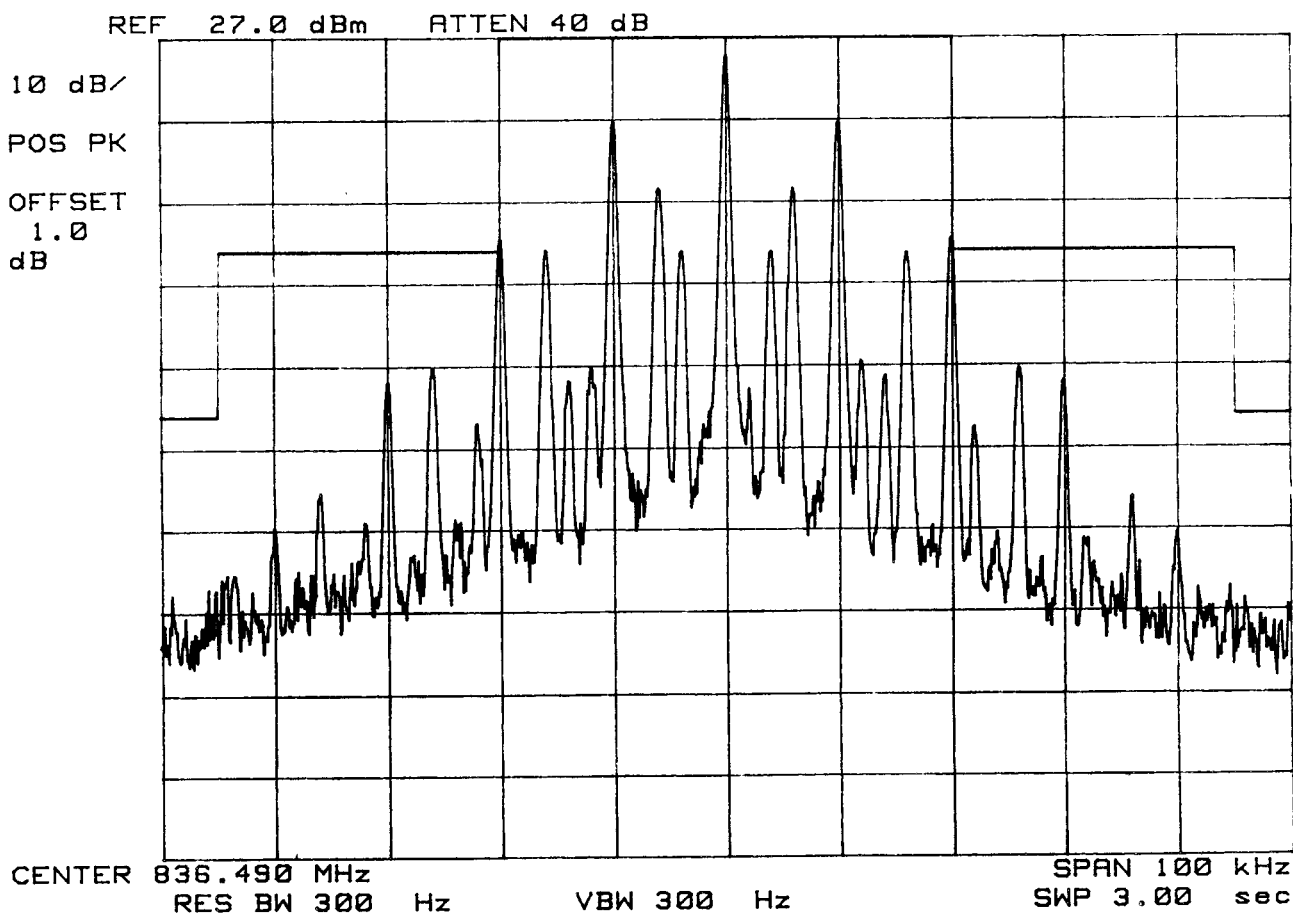
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

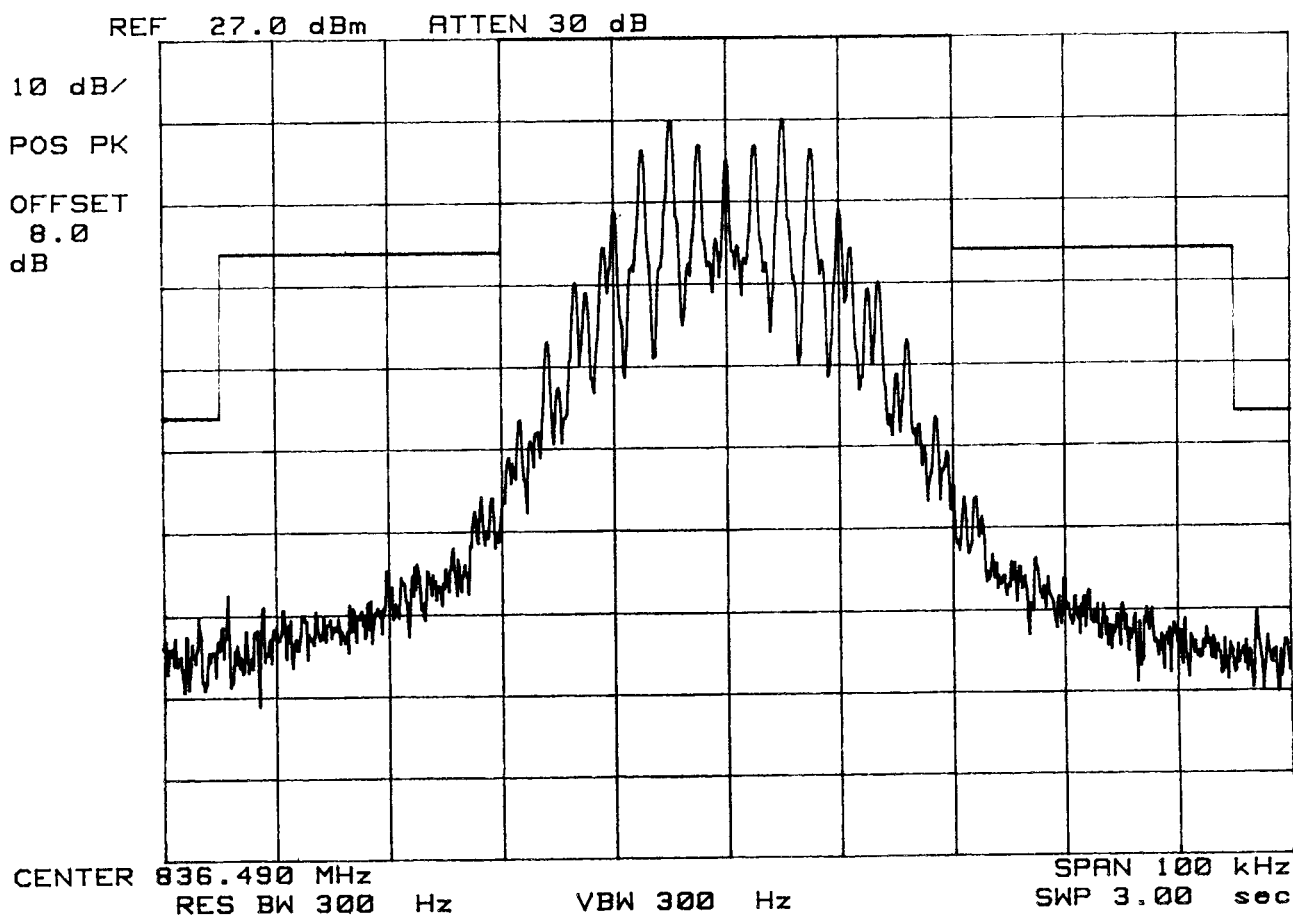
TRI-MODE PHONE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:MBUNXC3300

STANDARD TELECOM CO.

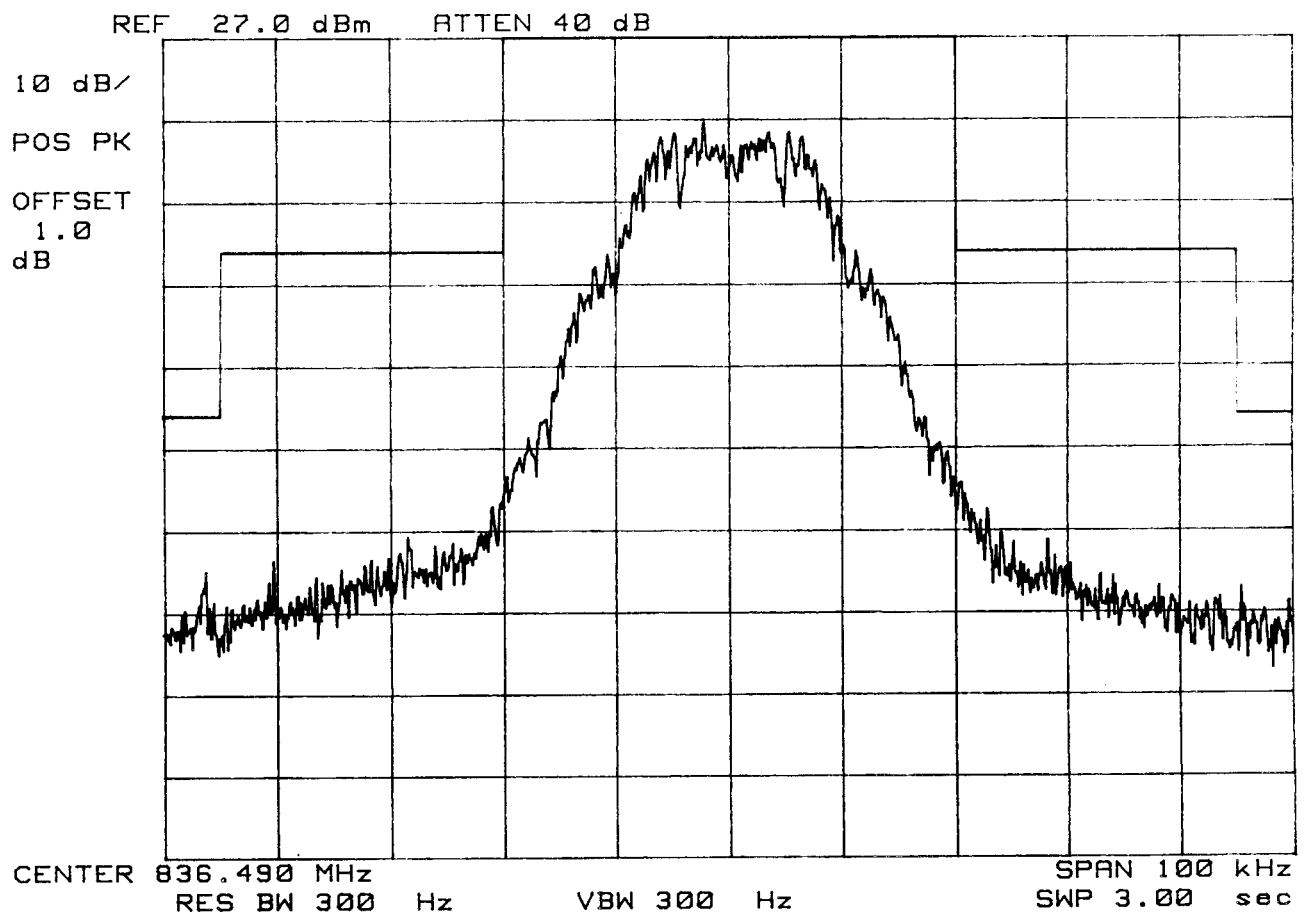
TRI-MODE PHONE

FM Channel 0383

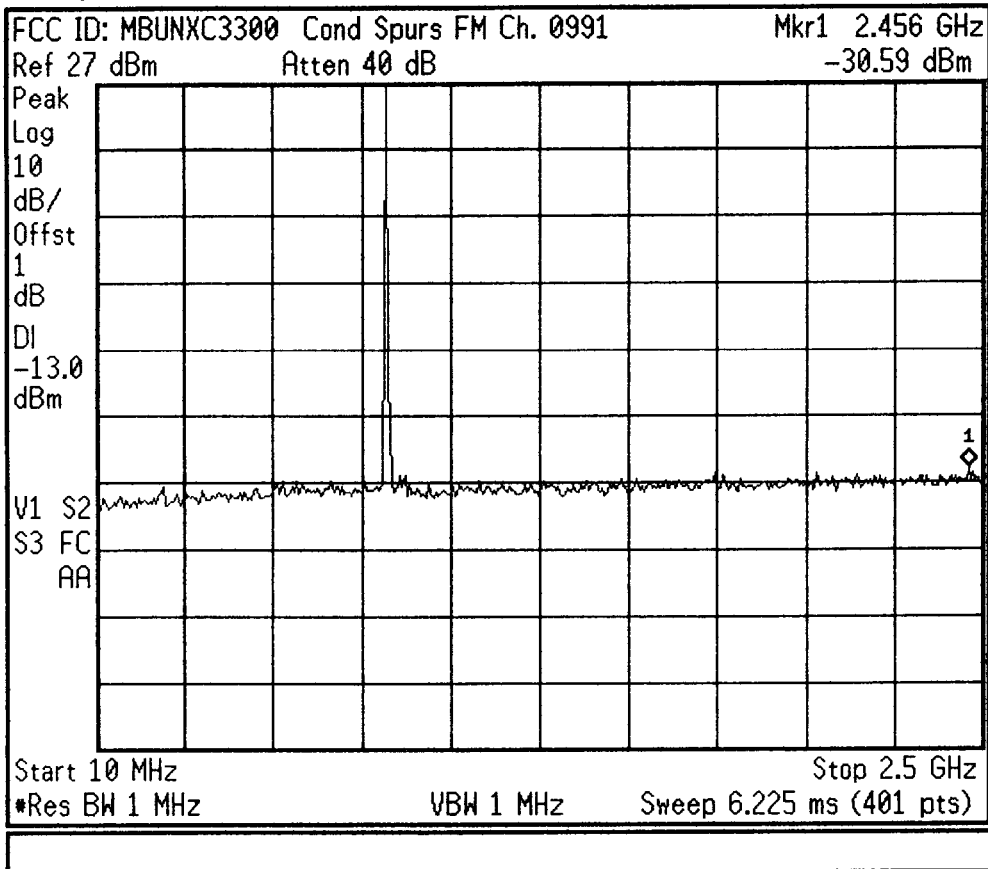
Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + DTMF

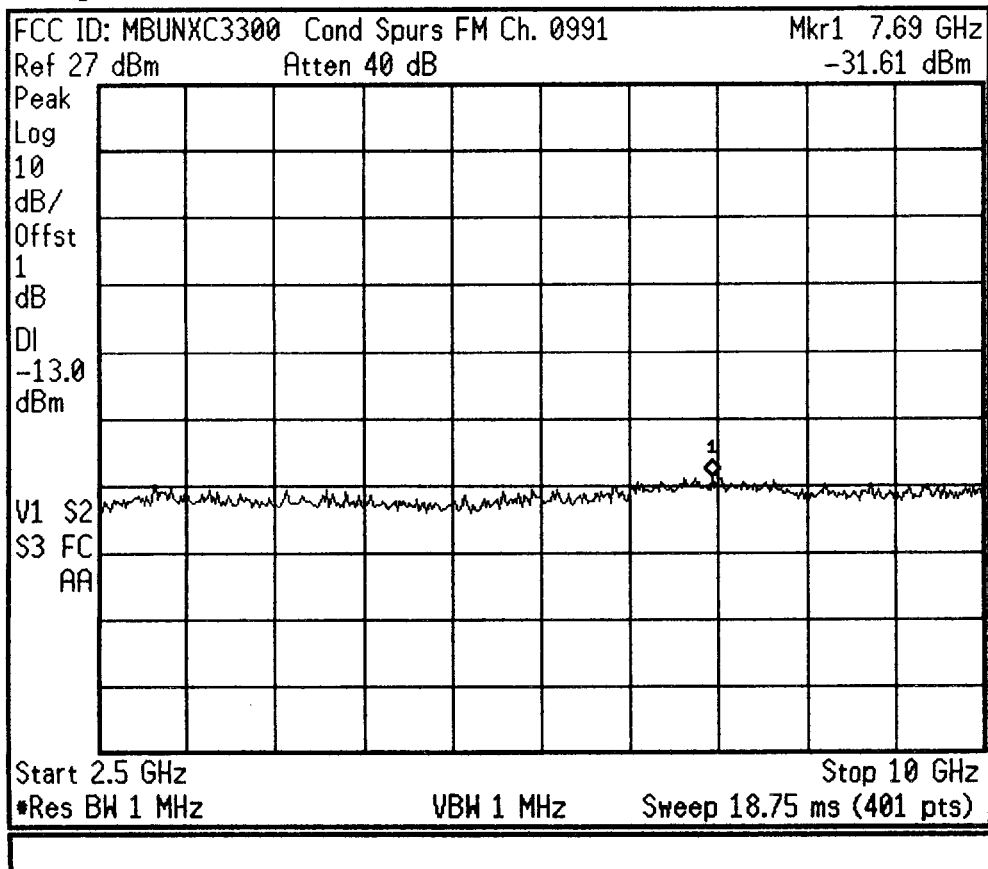


* Agilent 06:25:07 May 21, 2001



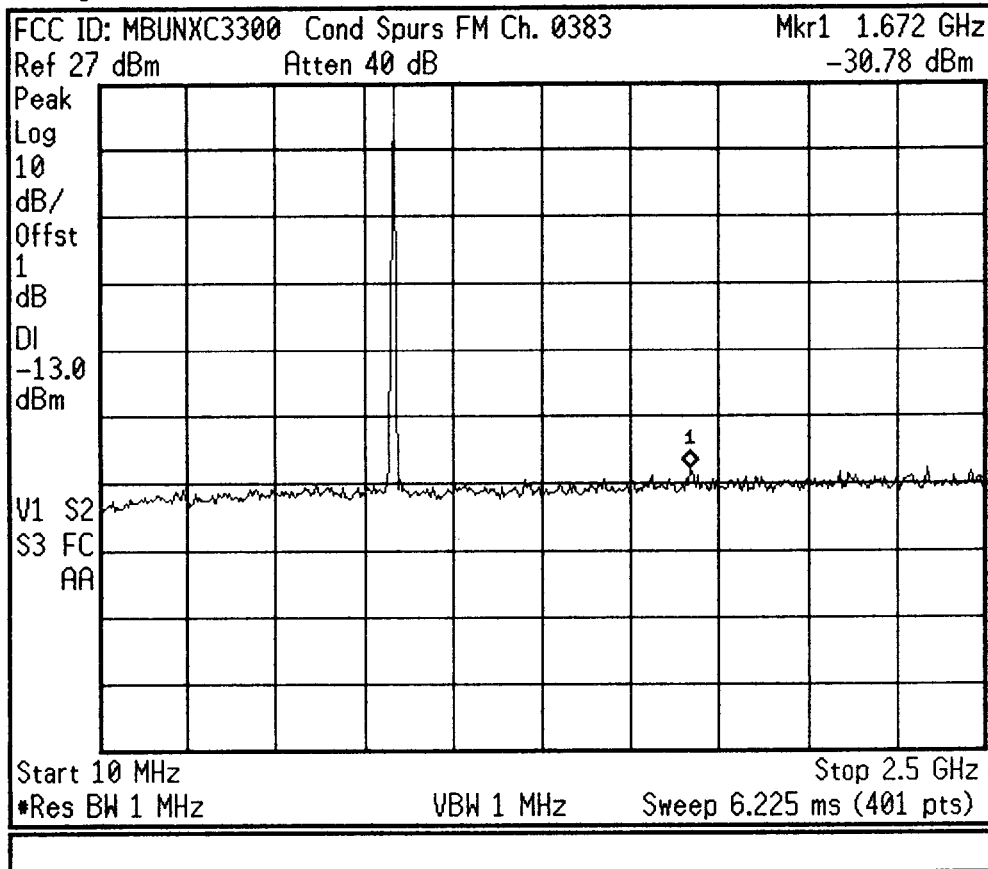
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 06:25:49 May 21, 2001



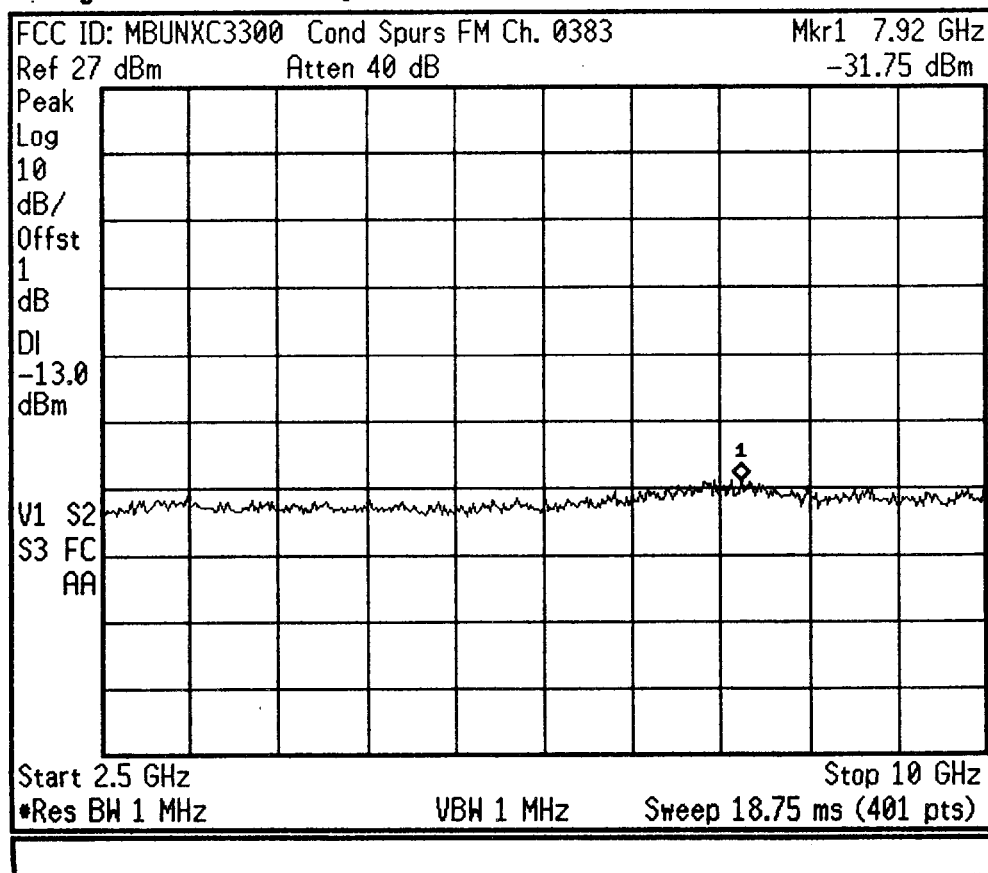
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 06:27:50 May 21, 2001



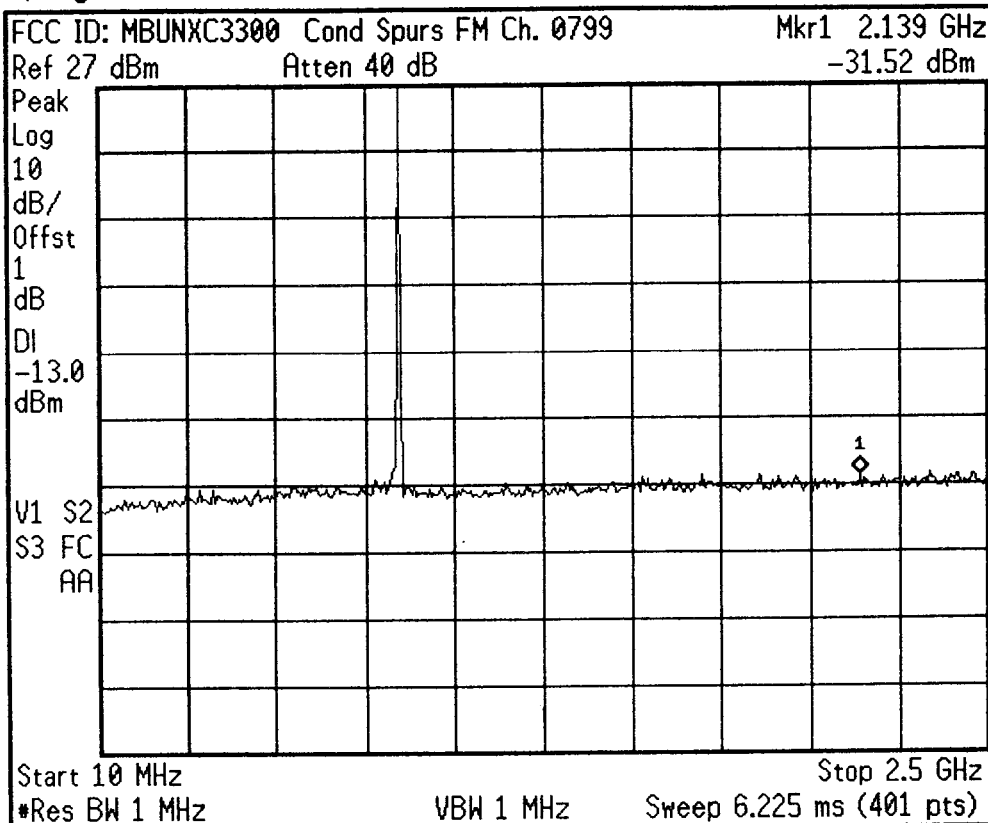
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 06:28:29 May 21, 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 06:32:44 May 21, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

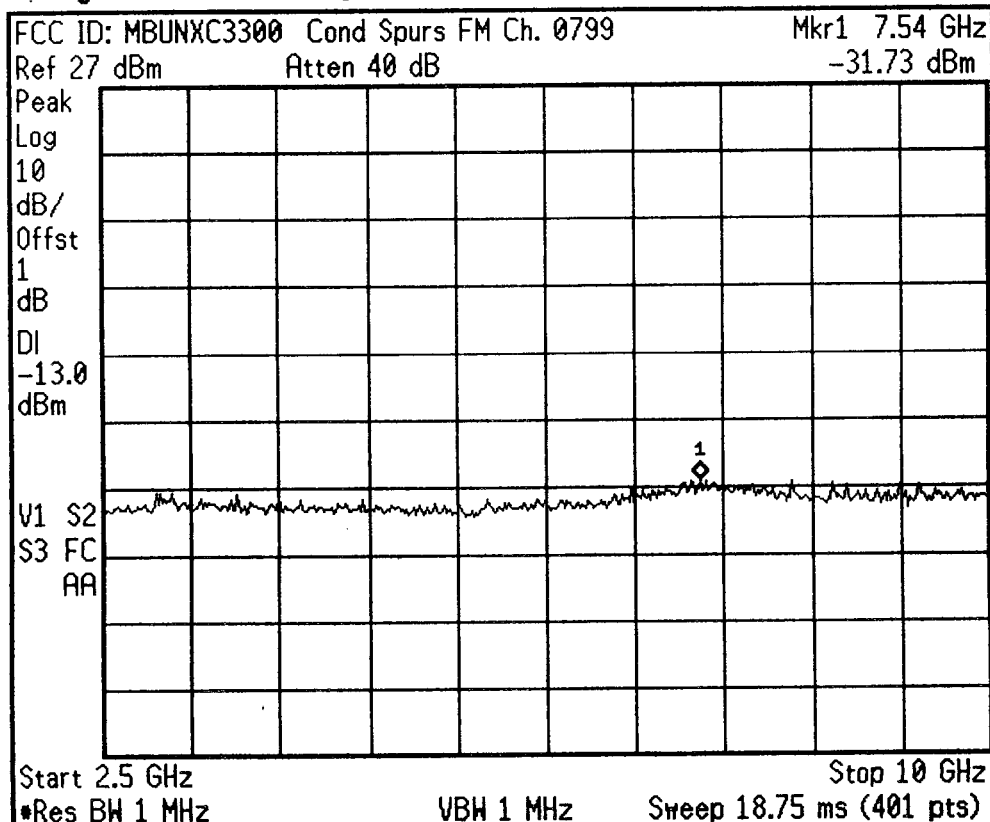
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:33:27 May 21, 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

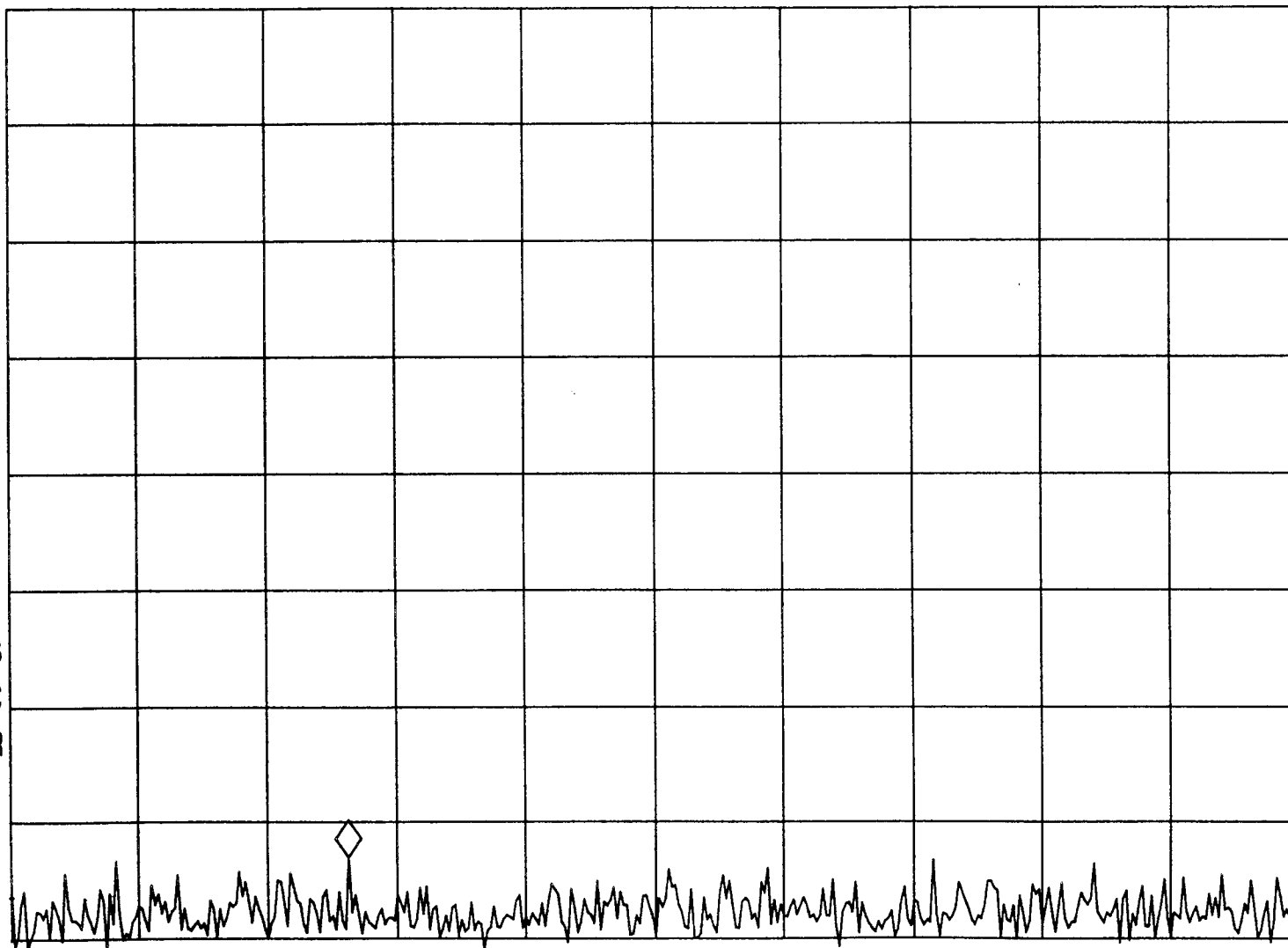
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

~~hp~~ FCC ID: MBUNXC3300 FM MODE MKR 875.56 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -96.52 dBm

PEAK
LOG
5
dB/
OFFST
6.0
dB

VA SB
SC FC
CORR



START 869.00 MHz

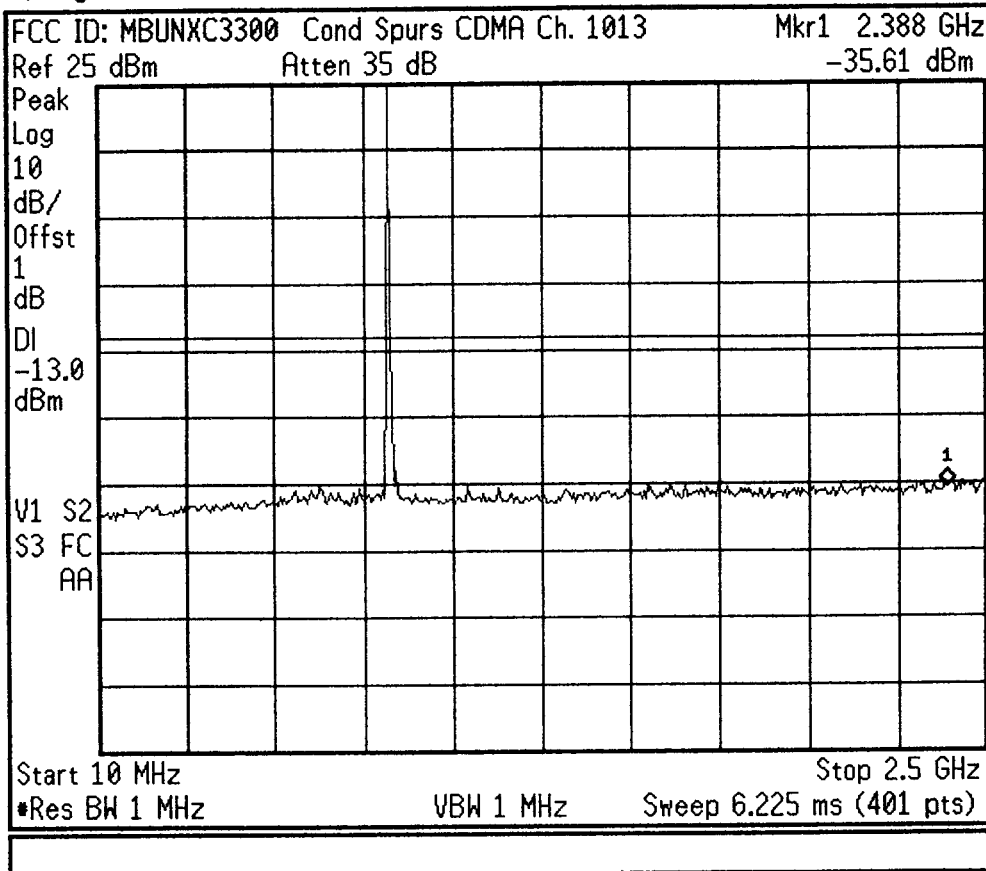
STOP 894.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

SWP 20 msec

* Agilent 06:37:15 May 21, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

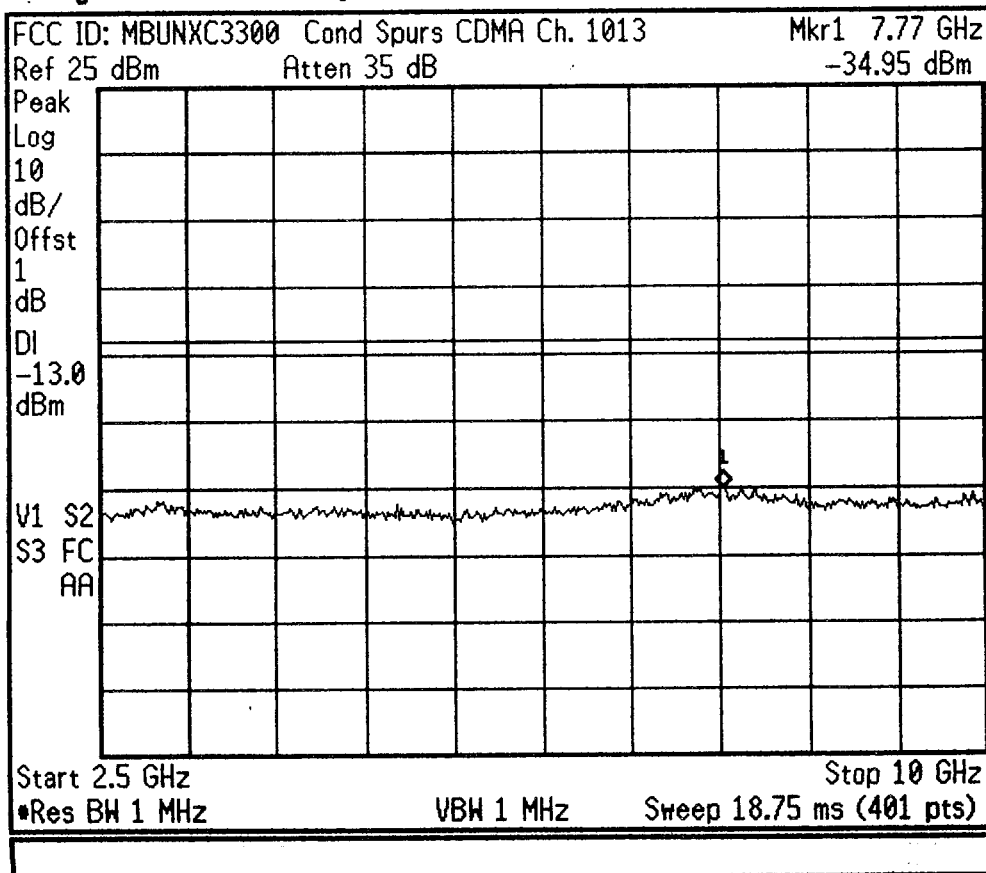
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:38:23 May 21, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

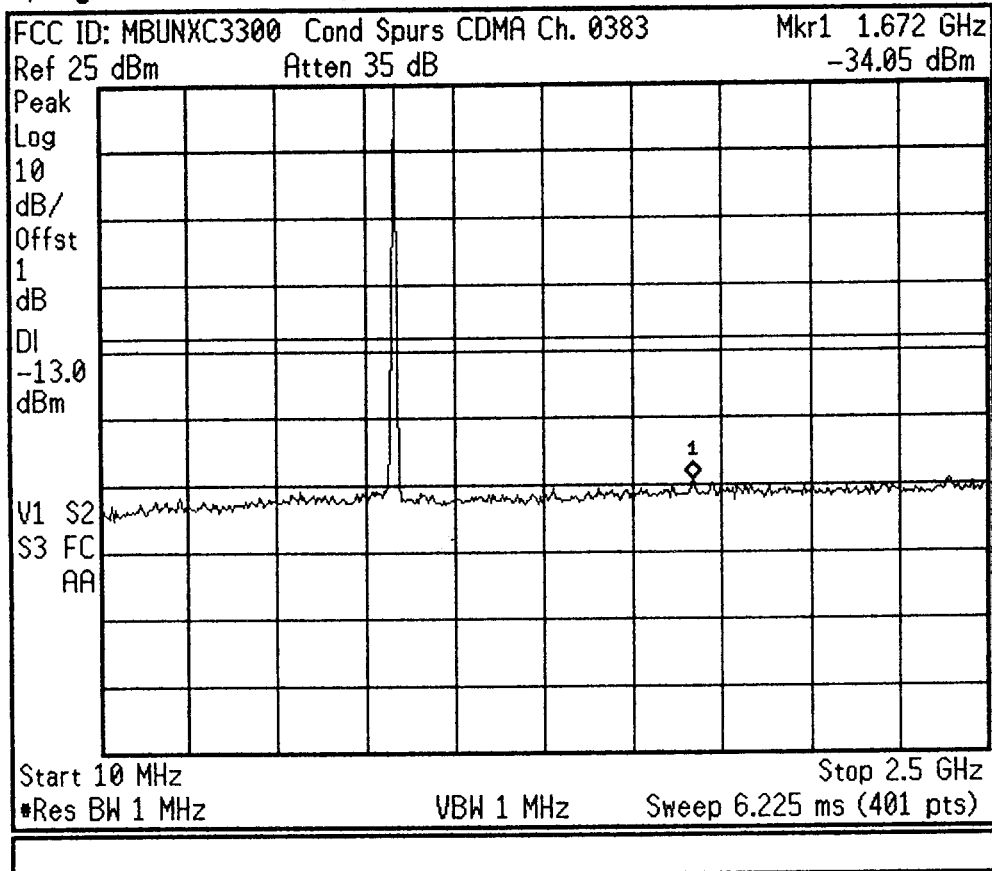
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:41:10 May 21, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

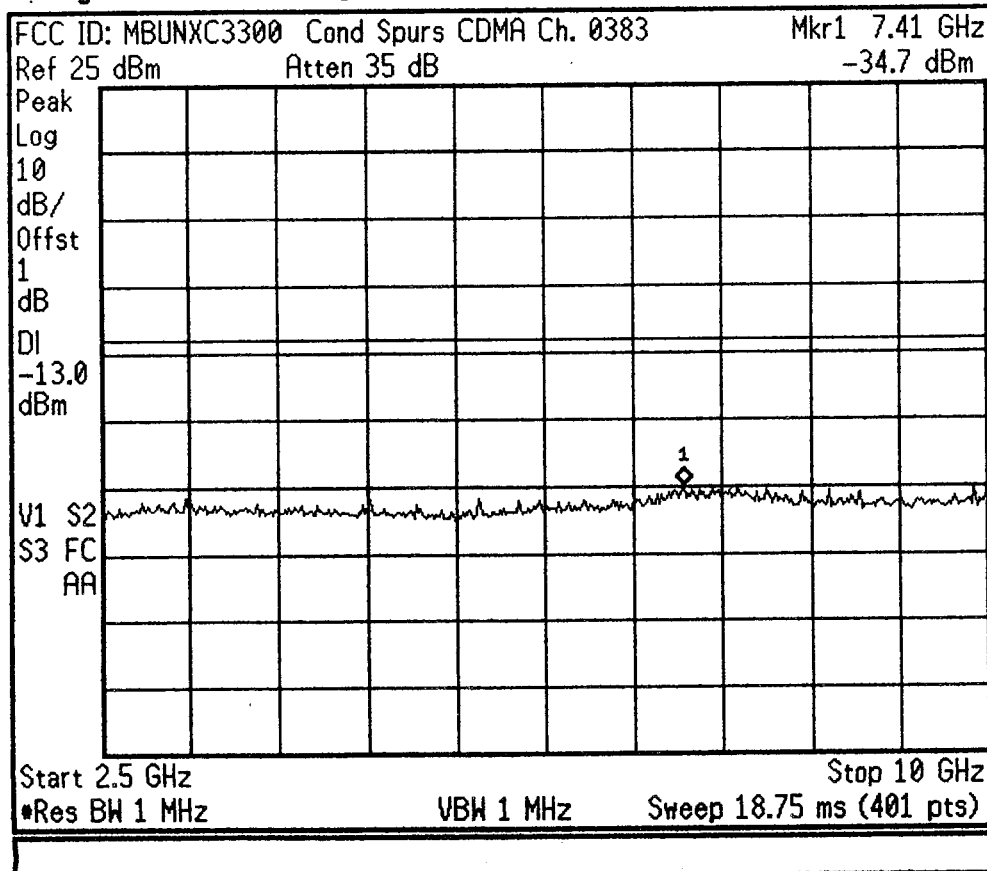
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:42:11 May 21, 2001



Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

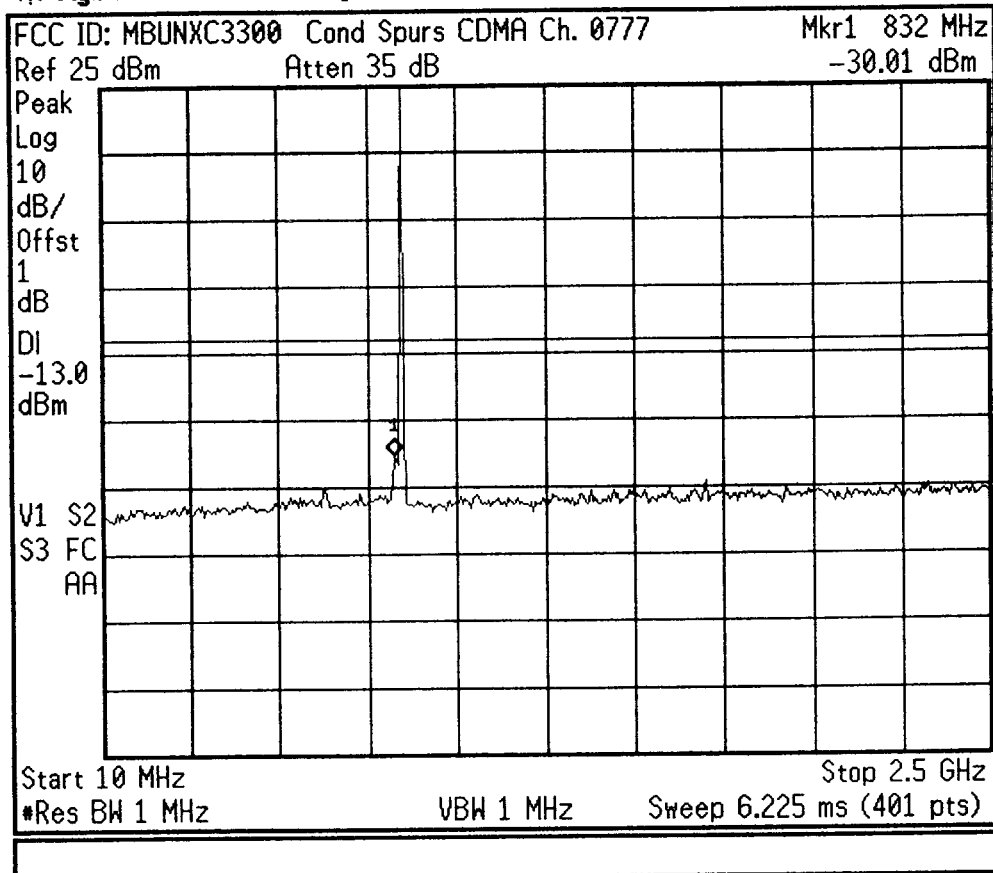
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:44:38 May 21, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

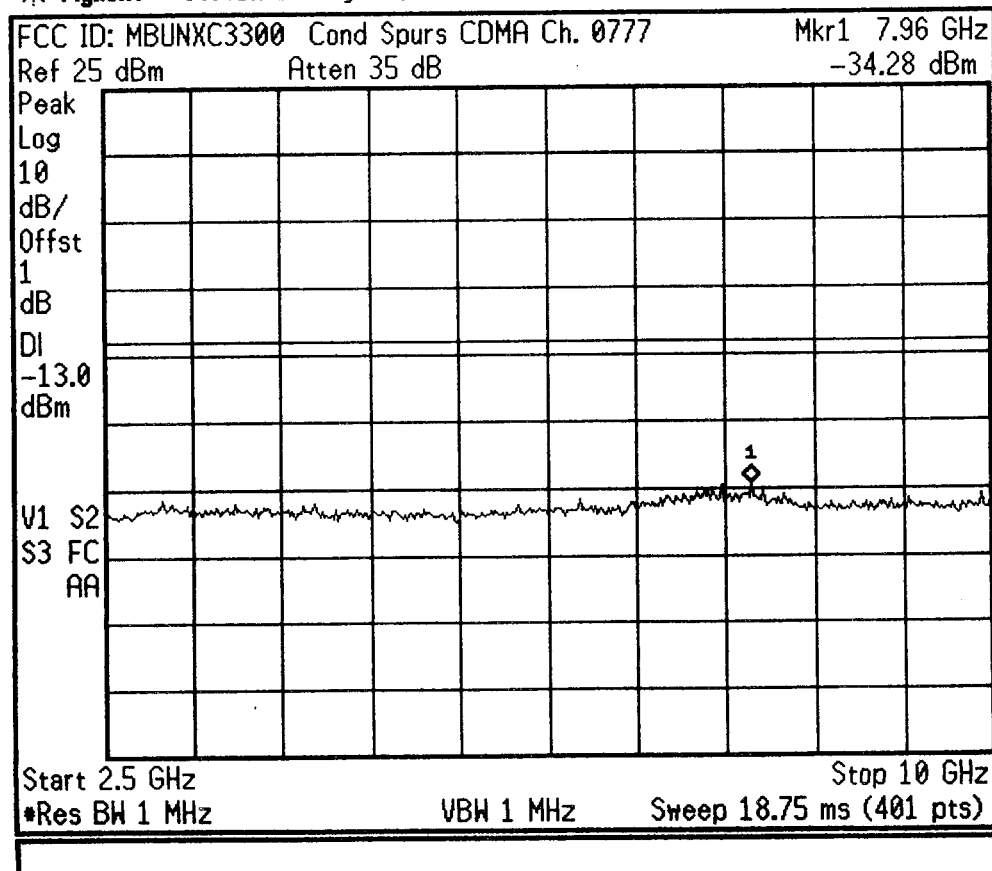
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 06:45:25 May 21, 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 06:51:58 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT CDMA Ch. 1013

Ref 25 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 06:53:44 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT CDMA Ch. 0777

Ref 25 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 06:58:37 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT CDMA Ch. 0383

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

V1 S2

S3 FC

AA

Center 836.5 MHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz

Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

836.490000 MHz

Start Freq

831.490000 MHz

Stop Freq

841.490000 MHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Agilent 06:59:55 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT CDMA Ch. 0383

Ref 25 dBm

Atten 35 dB

Samp

Log

10

dB/

Offst

1

dB

Center 836.5 MHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz

Sweep 9.167 ms (401 pts)

Measure

Meas Off

ACP

Channel Power

Occupied BW

Emission BW

Harmonic Dist

Channel Power Results (idle)

Channel Power

25.00 dBm

Integration BW

2.000 MHz

Density

-38.01 dBm/Hz

* Agilent 07:04:14 May 21, 2001

FCC ID: MBUNXC3300 BAND EDGE CDMA Ch. 1013

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 824 MHz

*Res BW 30 kHz

VBW 30 kHz

Sweep 13.89 ms (401 pts)

Span 5 MHz

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 07:05:52 May 21, 2001

FCC ID: MBUNXC3300 BAND EDGE CDMA Ch. 0777

Ref 25 dBm

Atten 35 dB

Peak

Log

10

dB/

Offst

1

dB

DI

-13.0

dBm

V1 S2

S3 FC

AA

Center 849 MHz

*Res BW 30 kHz

VBW 30 kHz

Sweep 13.89 ms (401 pts)

Span 5 MHz

Freq/Channel

Center Freq

849.000000 MHz

Start Freq

846.500000 MHz

Stop Freq

851.500000 MHz

CF Step

500.000000 kHz

Auto Man

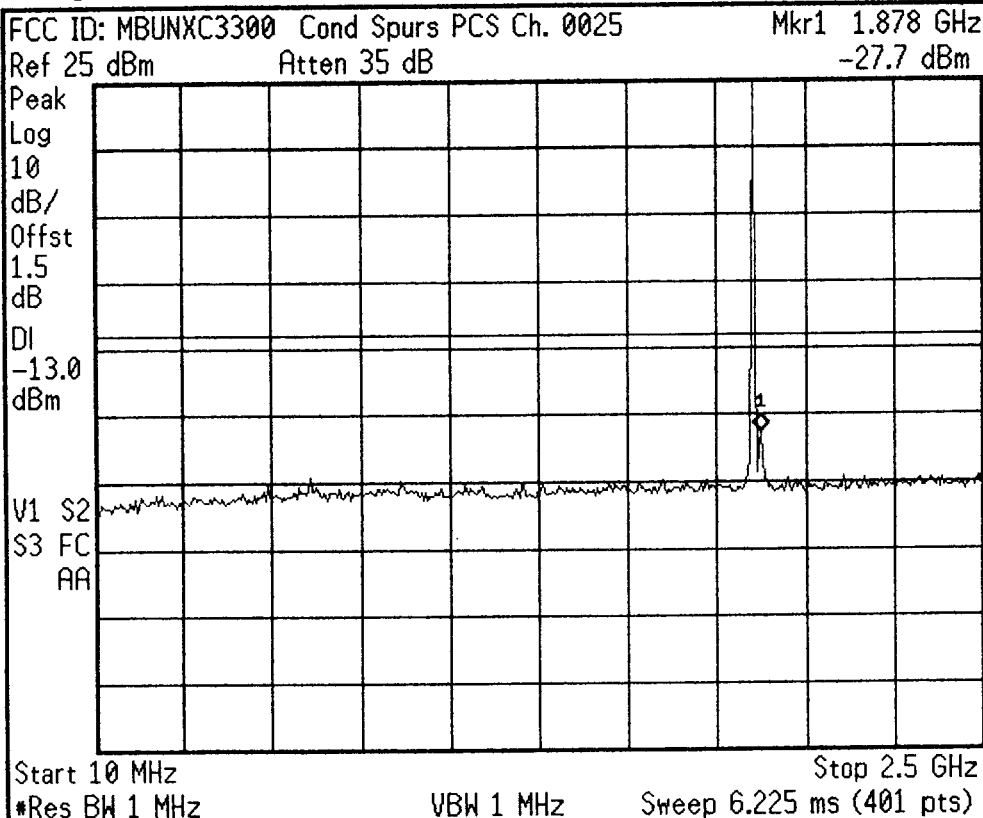
Freq Offset

0.00000000 Hz

Signal Track

On Off

Agilent 07:08:23 May 21, 2001



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

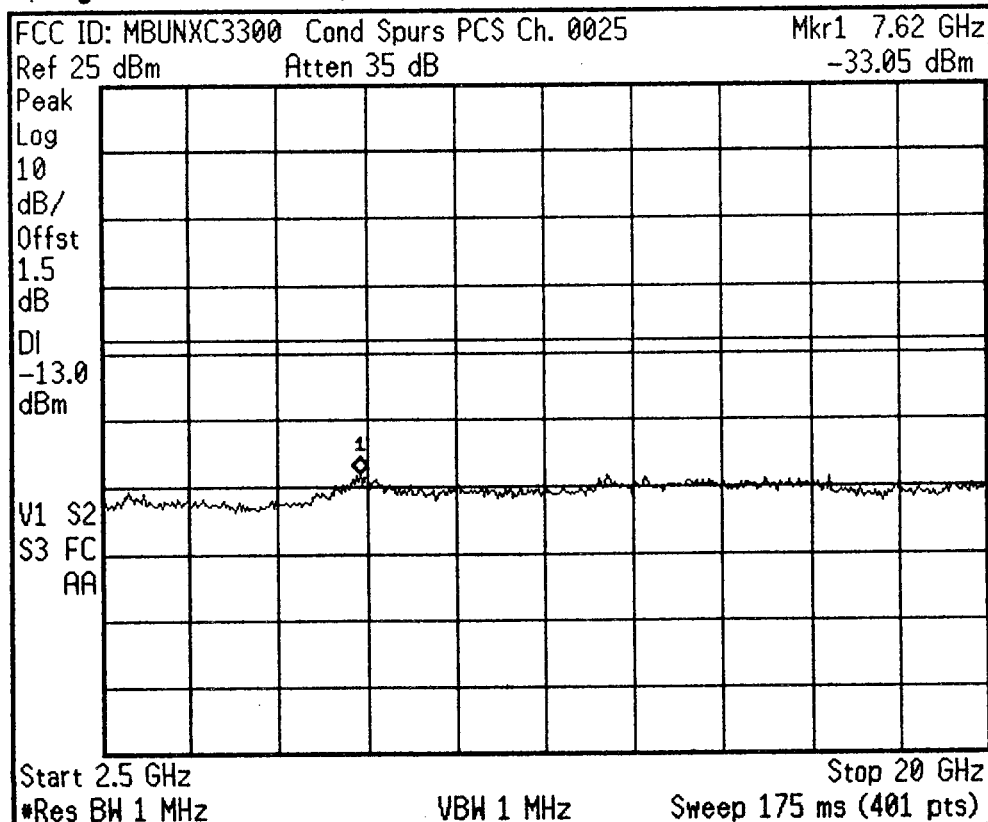
Stop Freq
 2.50000000 GHz

CF Step
 249.0000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Agilent 07:09:32 May 21, 2001



Freq/Channel

Center Freq
 11.2500000 GHz

Start Freq
 2.50000000 GHz

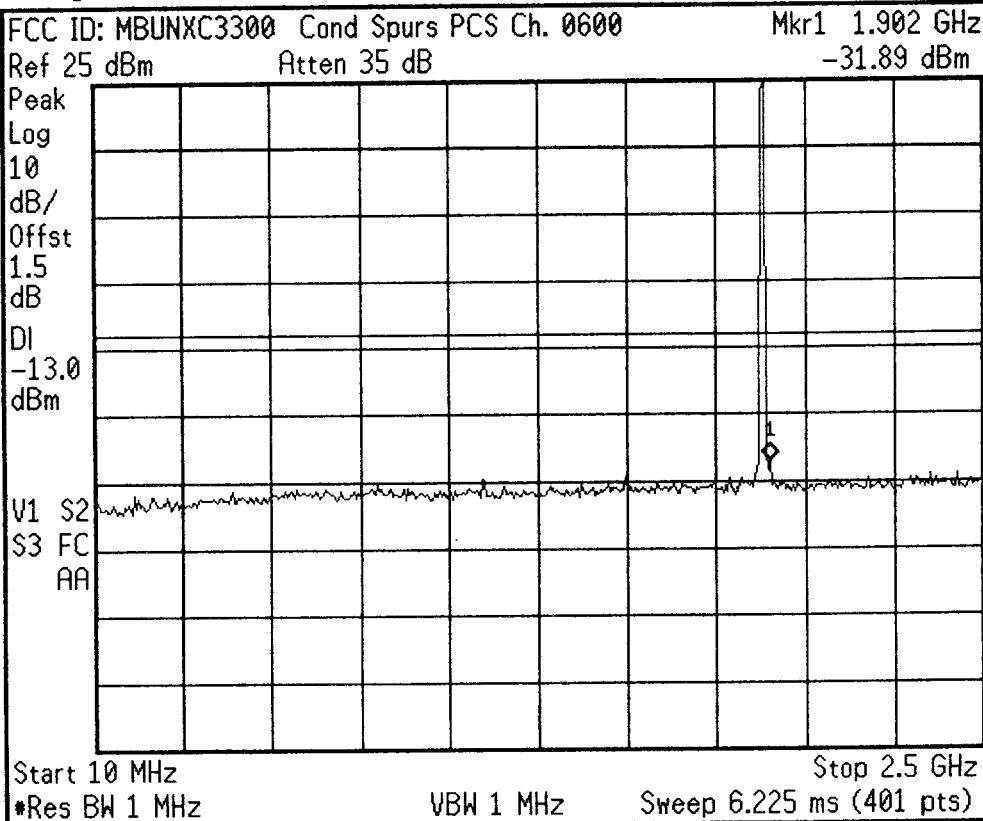
Stop Freq
 20.0000000 GHz

CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

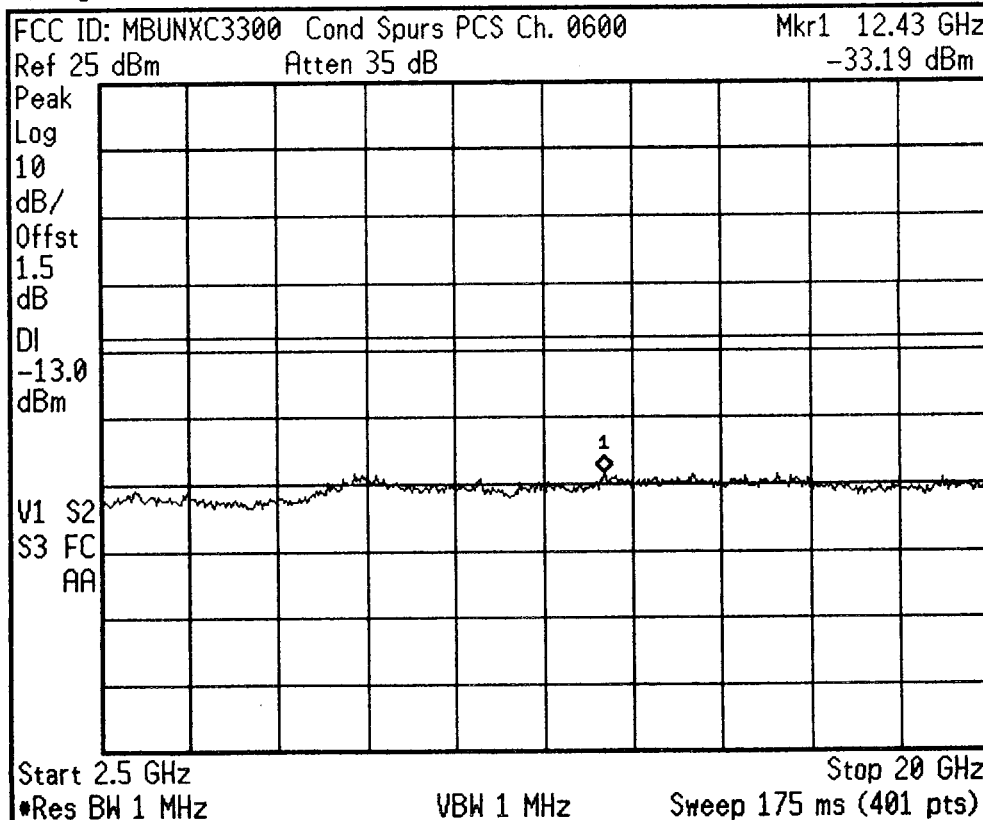
Signal Track
 On Off

Agilent 07:11:04 May 21, 2001



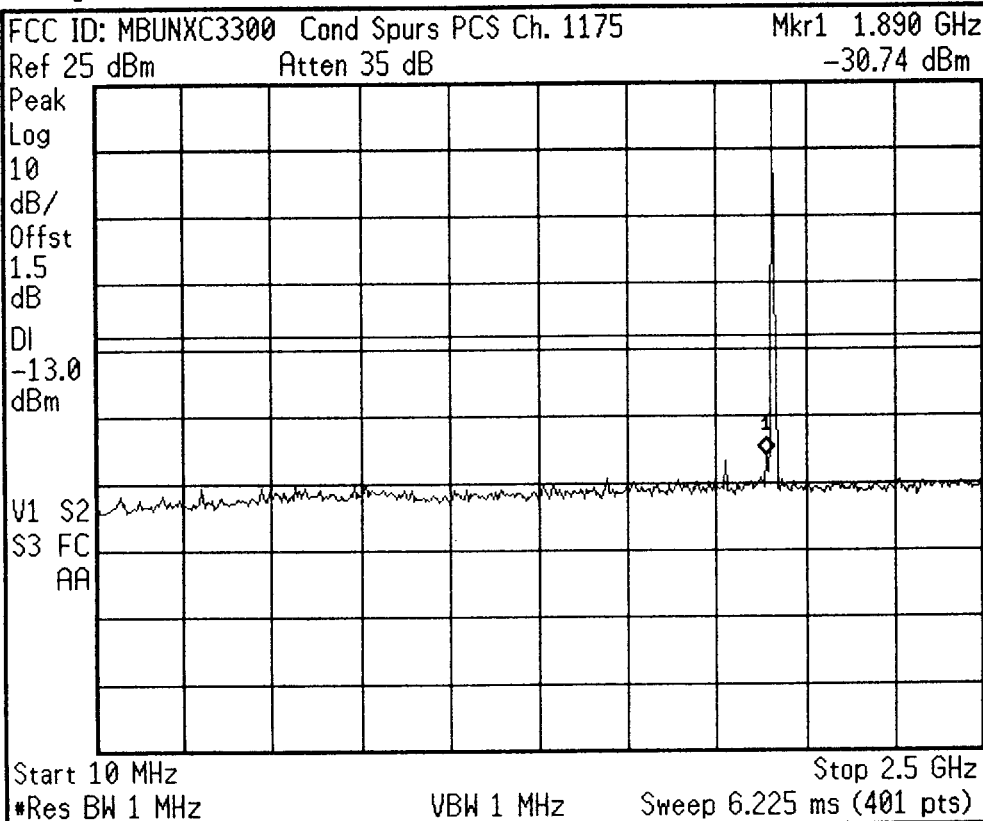
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 07:12:26 May 21, 2001



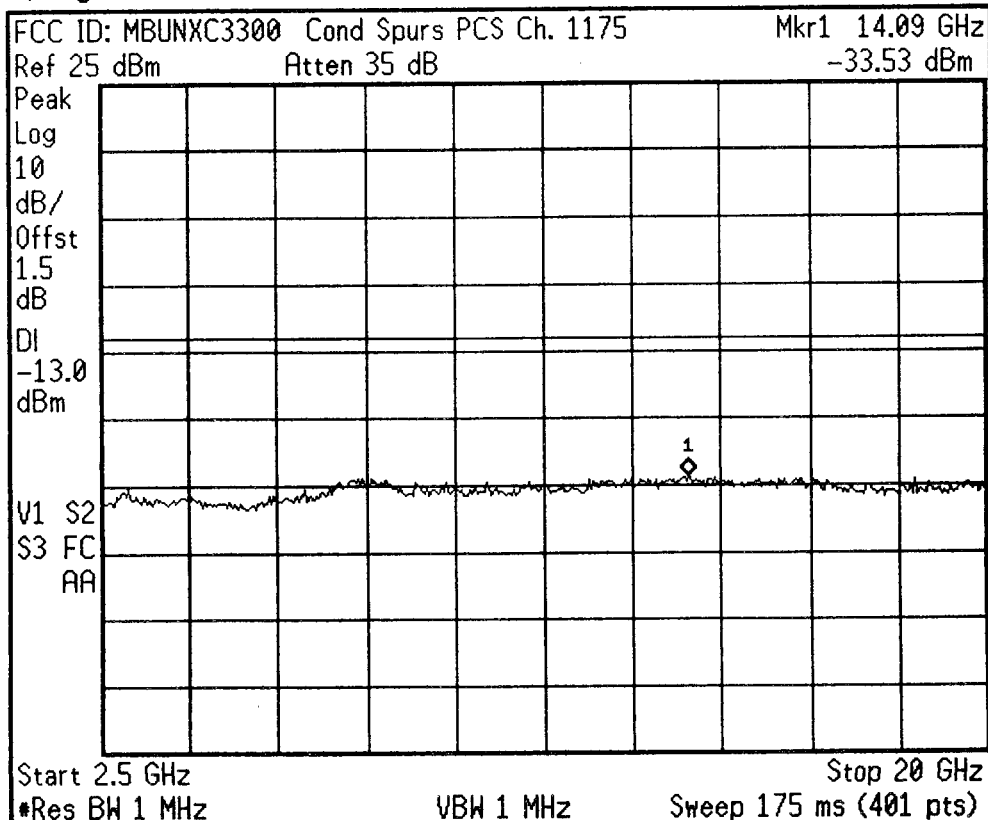
Freq/Channel
Center Freq 11.2500000 GHz
Start Freq 2.50000000 GHz
Stop Freq 20.0000000 GHz
CF Step 1.75000000 GHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 07:14:39 May 21, 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 07:16:00 May 21, 2001

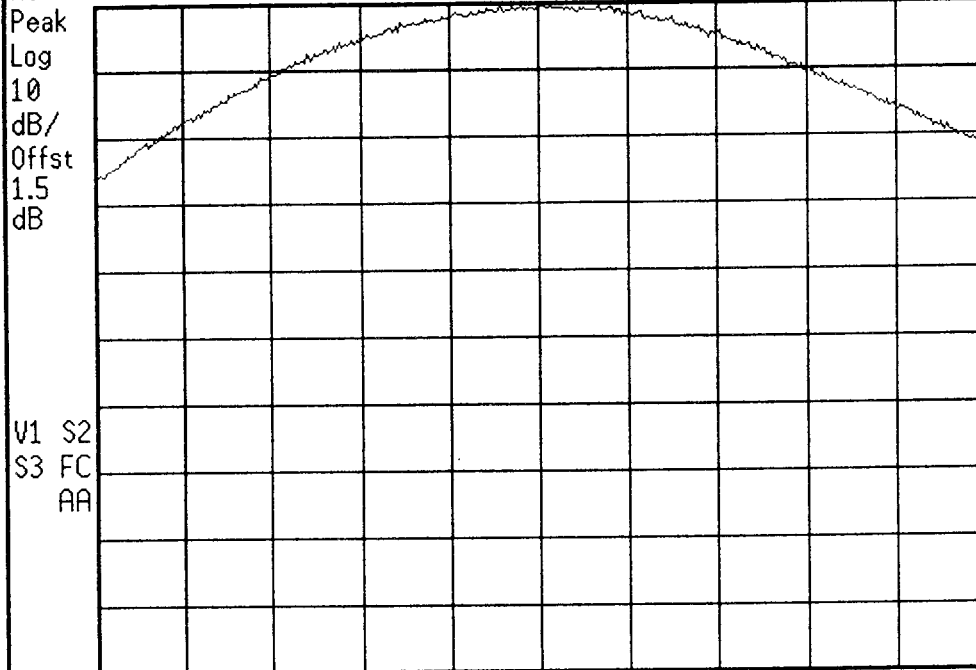


Freq/Channel
Center Freq 11.2500000 GHz
Start Freq 2.50000000 GHz
Stop Freq 20.0000000 GHz
CF Step 1.75000000 GHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:18:05 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT PCS Ch. 0600

Ref 25 dBm Atten 35 dB



Center 1.88 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 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

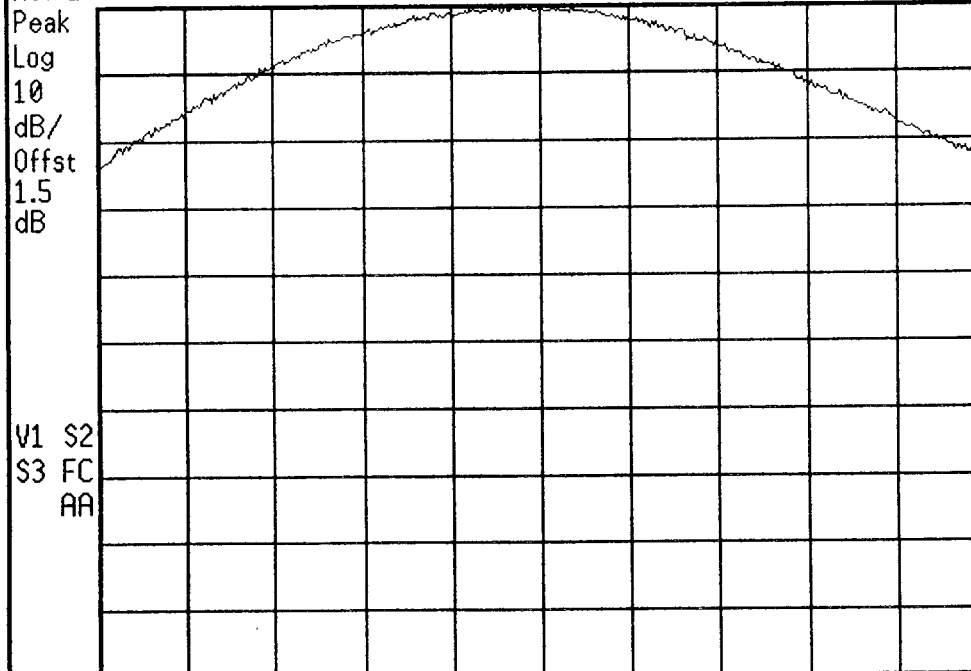
On

Off

* Agilent 07:22:30 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT PCS Ch. 1175

Ref 25 dBm Atten 35 dB



Center 1.909 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 ms (401 pts)

Freq/Channel

Center Freq

1.90900000 GHz

Start Freq

1.90400000 GHz

Stop Freq

1.91400000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Agilent 07:23:43 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT PCS Ch. 0025

Ref 25 dBm

Atten 35 dB

Peak
Log
10
dB/
Offst
1.5
dB

V1 S2
S3 FC
AA

Center 1.851 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 ms (401 pts)

Freq/Channel

Center Freq
1.85100000 GHz

Start Freq
1.84600000 GHz

Stop Freq
1.85600000 GHz

CF Step
1.00000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Agilent 07:26:03 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT PCS Ch. 0025

Ref 25 dBm

Atten 35 dB

Samp
Log
10
dB/
Offst
1.5
dB

Center 1.851 GHz

*Res BW 30 kHz

*VBW 300 kHz

Span 3 MHz
Sweep 9.167 ms (401 pts)

Freq/Channel

Center Freq
1.85127000 GHz

Start Freq
1.84977000 GHz

Stop Freq
1.85277000 GHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

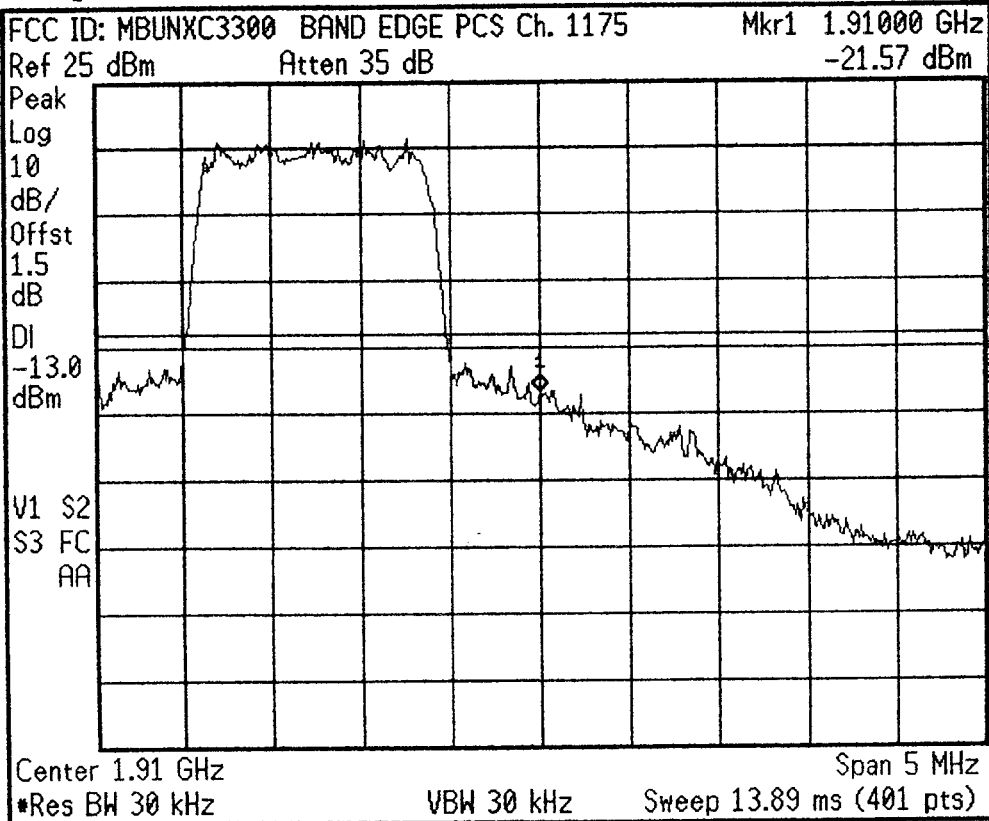
Channel Power Results (Idle)

Channel Power
25.01 dBm

Integration BW 2.000 MHz

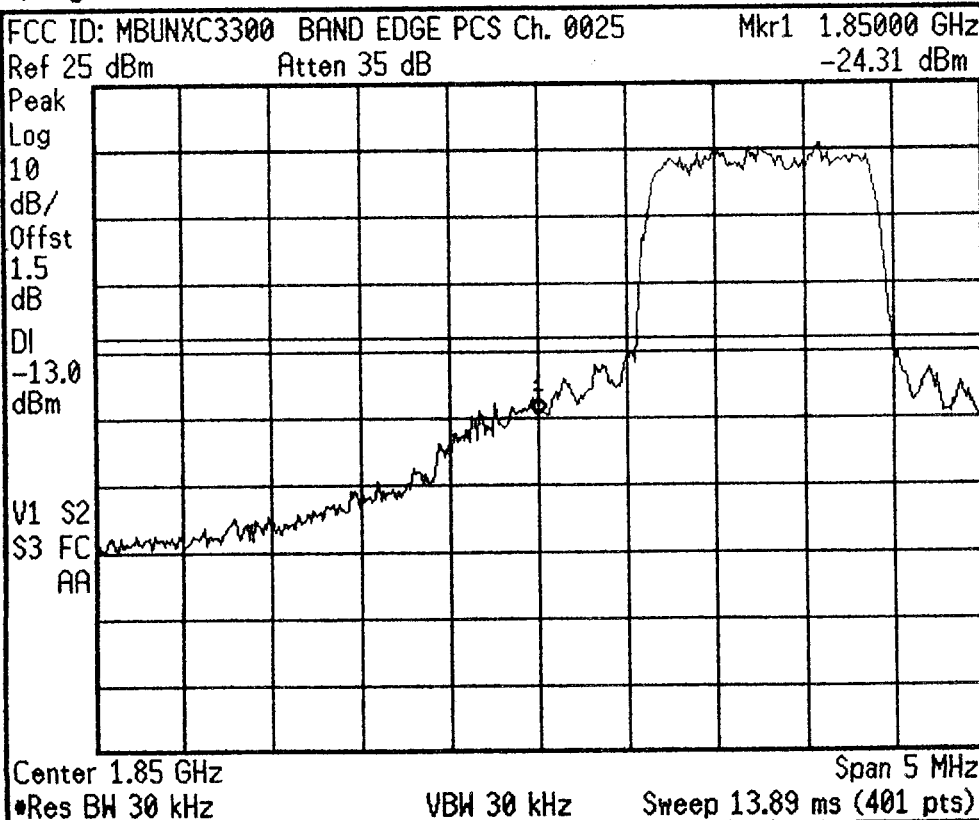
Density -38.00 dBm/Hz

* Agilent 07:30:54 May 21, 2001



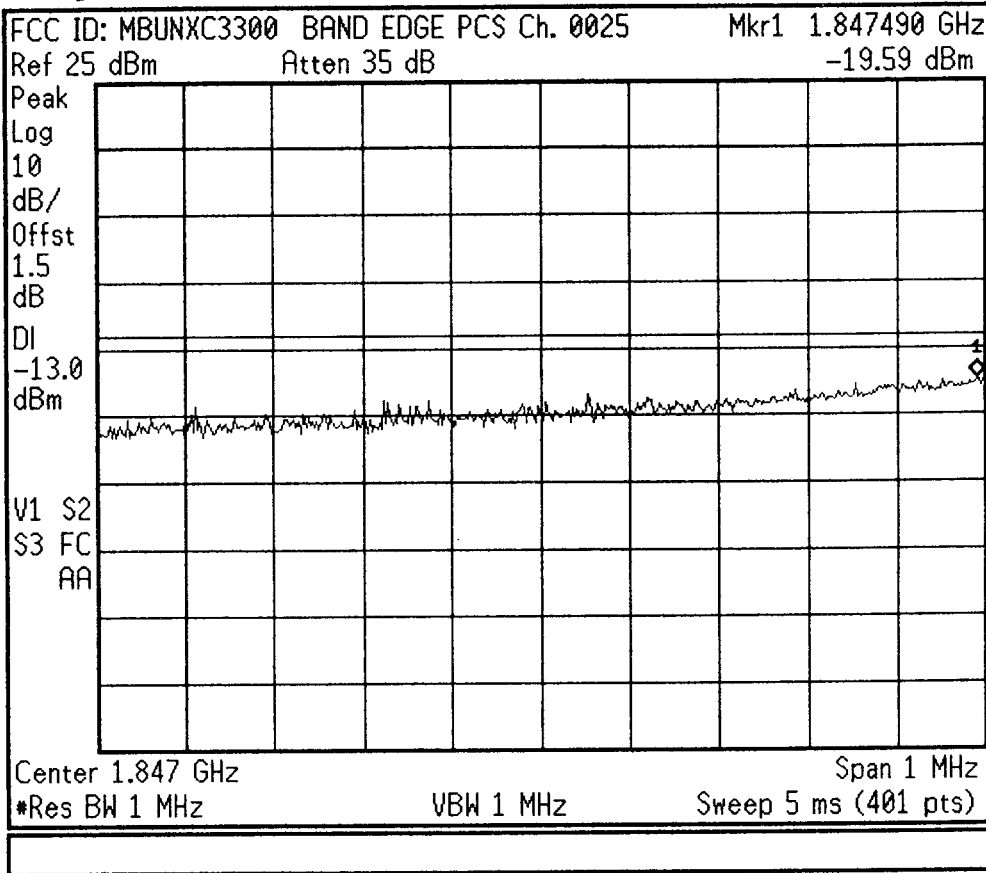
Freq/Channel
Center Freq 1.91000000 GHz
Start Freq 1.90750000 GHz
Stop Freq 1.91250000 GHz
CF Step 500.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:32:26 May 21, 2001



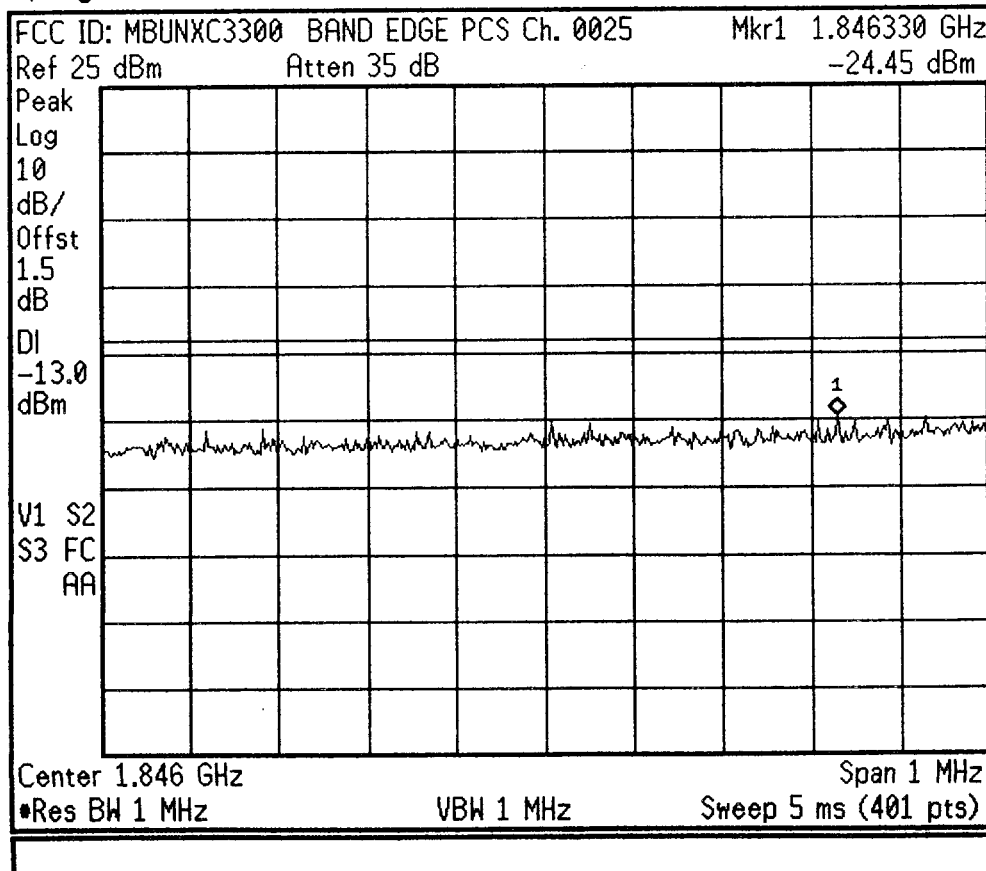
Freq/Channel
Center Freq 1.85000000 GHz
Start Freq 1.84750000 GHz
Stop Freq 1.85250000 GHz
CF Step 500.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:37:11 May 21, 2001



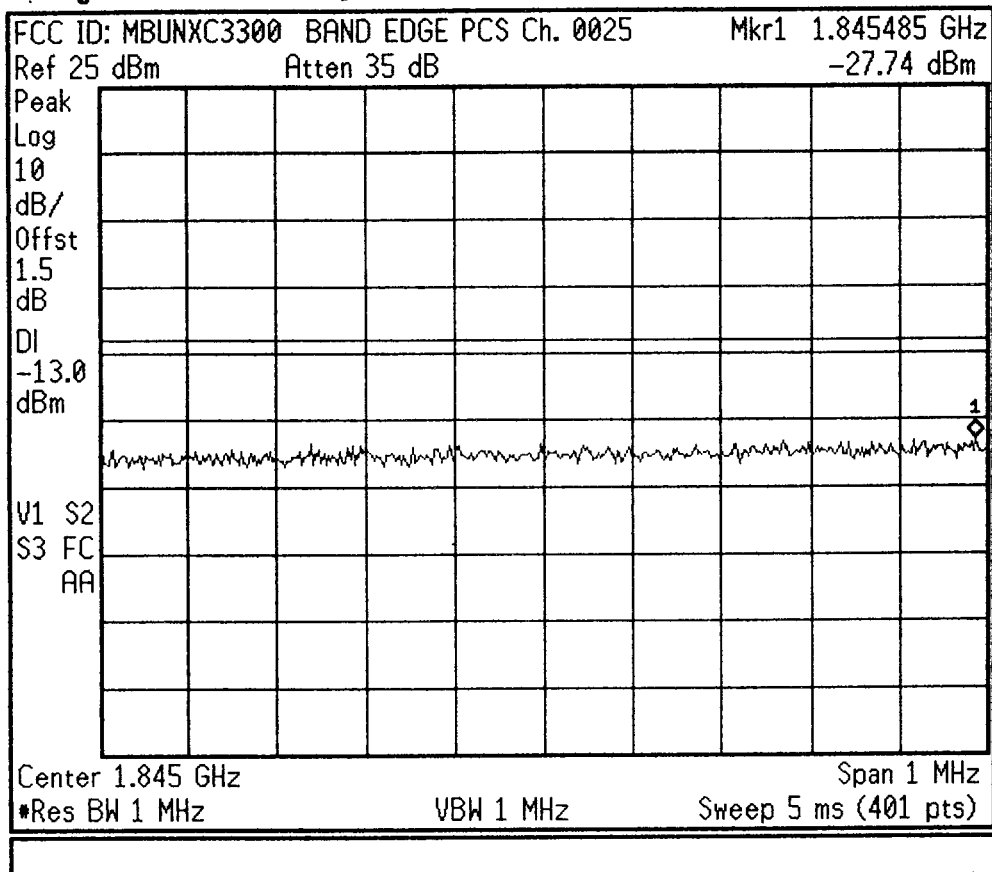
Freq/Channel
Center Freq 1.84700000 GHz
Start Freq 1.84650000 GHz
Stop Freq 1.84750000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:38:06 May 21, 2001



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

* Agilent 07:42:45 May 21, 2001



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

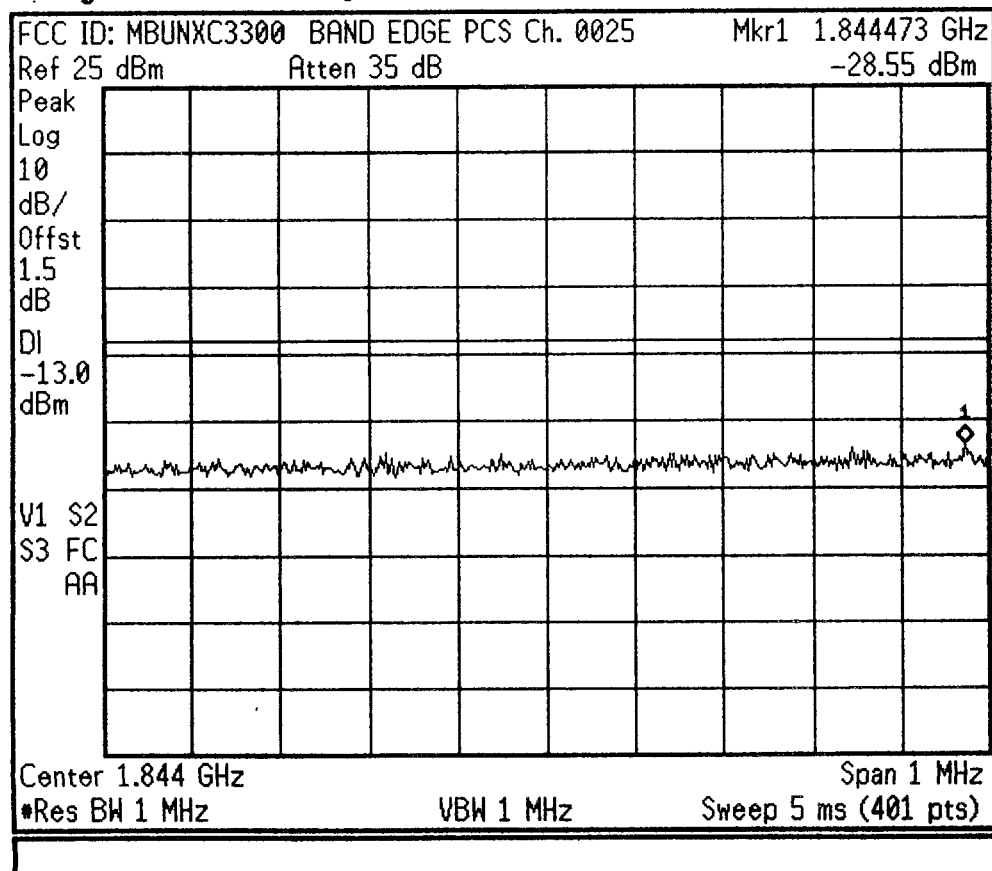
Stop Freq
 1.84550000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

* Agilent 07:43:42 May 21, 2001



Freq/Channel

Center Freq
 1.84400000 GHz

Start Freq
 1.84350000 GHz

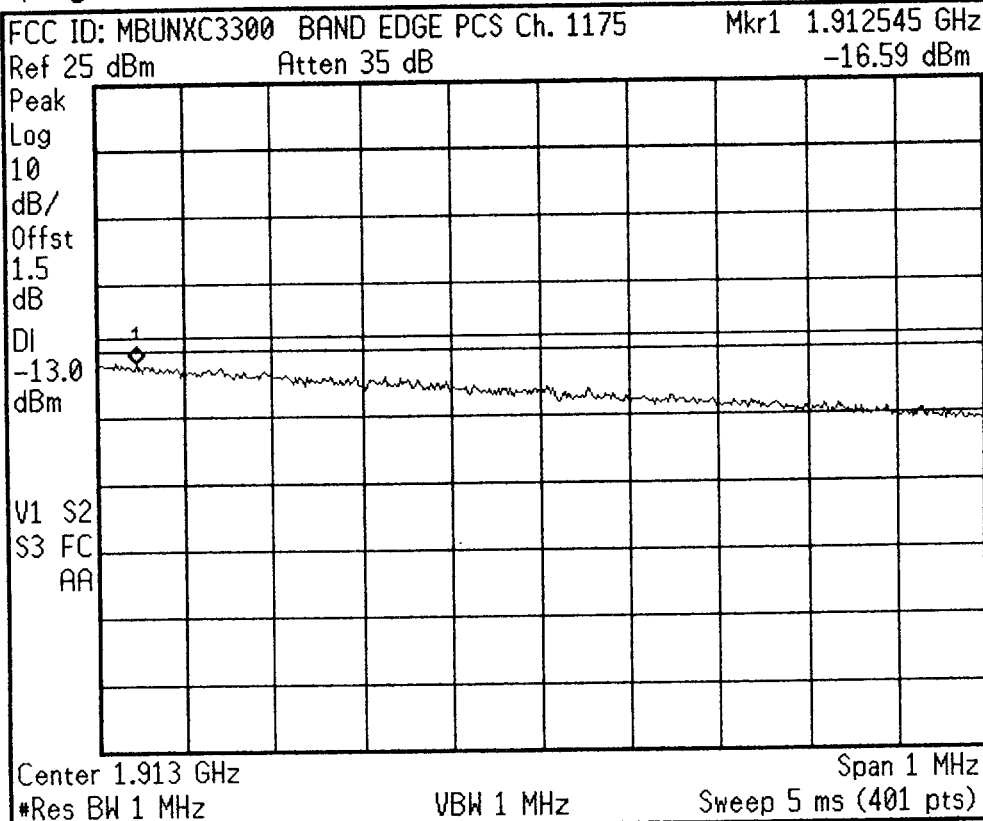
Stop Freq
 1.84450000 GHz

CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

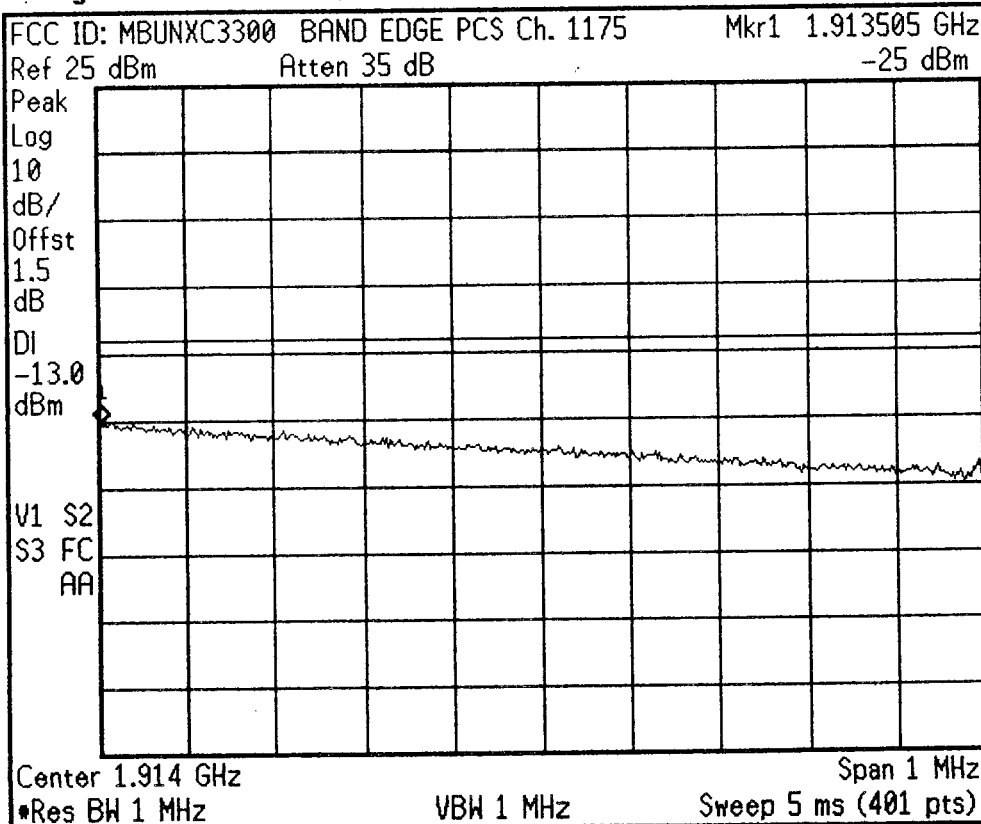
Signal Track
 On Off

Agilent 07:46:02 May 21, 2001



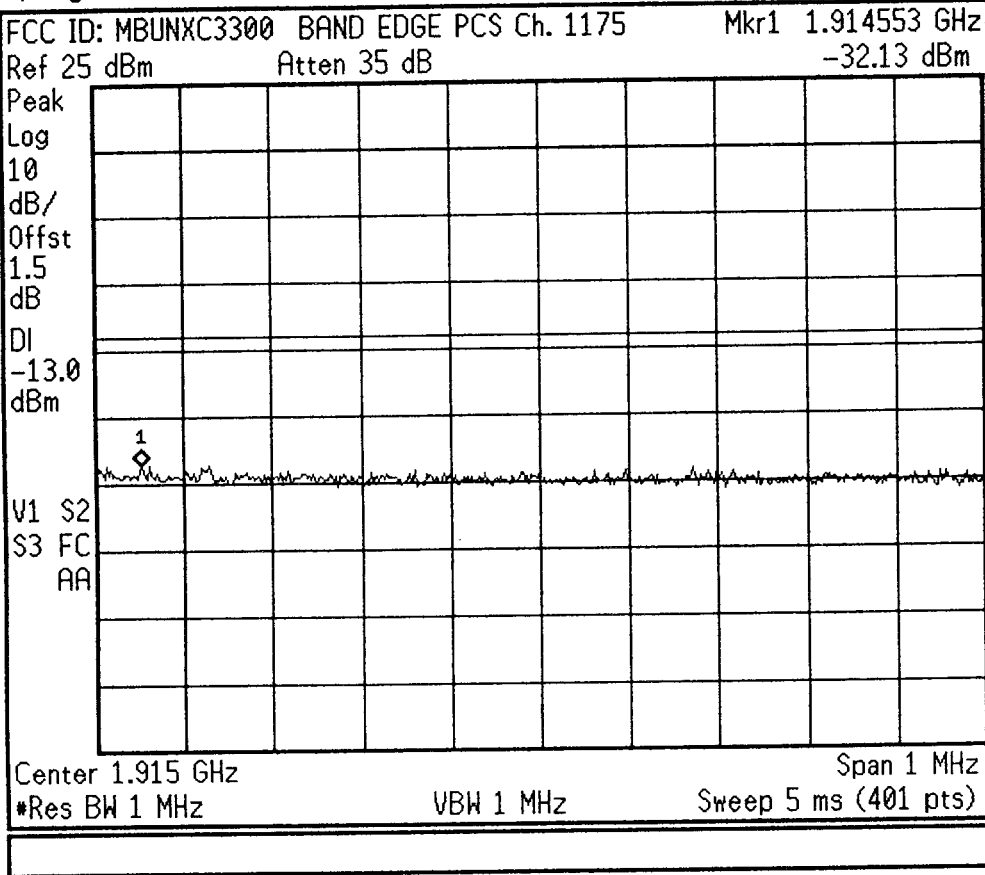
Freq/Channel
Center Freq 1.91300000 GHz
Start Freq 1.91250000 GHz
Stop Freq 1.91350000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 07:46:45 May 21, 2001



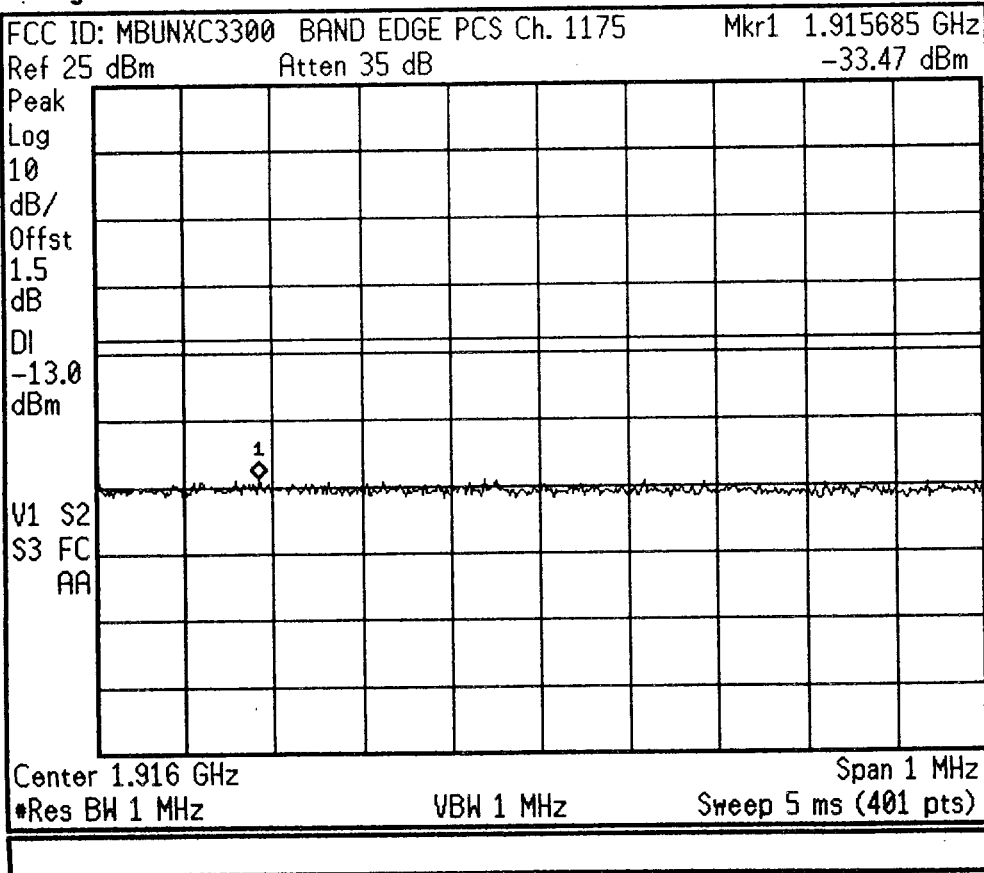
Freq/Channel
Center Freq 1.91400000 GHz
Start Freq 1.91350000 GHz
Stop Freq 1.91450000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 07:47:38 May 21, 2001



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

* Agilent 07:48:33 May 21, 2001



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

* Agilent 07:51:20 May 21, 2001

FCC ID: MBUNXC3300 POWER OUT PCS Ch. 0600

Ref 25 dBm

Atten 35 dB

Samp

Log

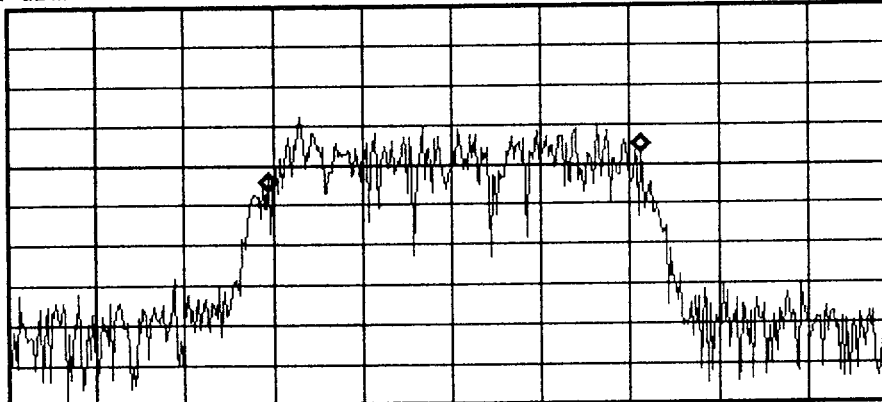
10

dB/

Offst

1.5

dB



Center 1.88 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Occupied Bandwidth Results (idle)

Occupied Bandwidth

Occ BW % Pwr 99.00 %

1.252 MHz

Transmit Freq Error 13.03 kHz

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

PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

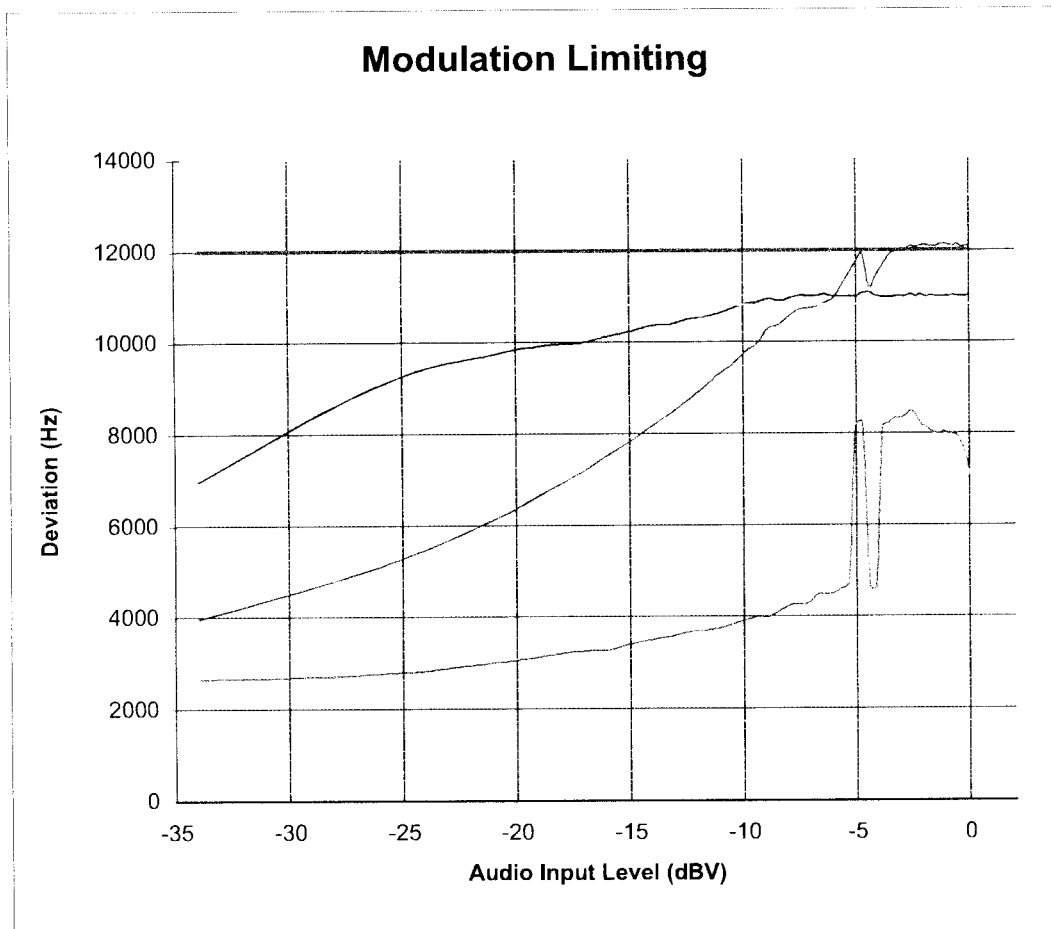
Test Report No.: 24/22.210502322.MBU
Test Date: 05.02.04.2001

EUT: STANDARD Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)

Model: NXC-3300

FCC ID: MBUNXC3300

REFERENCE: 1 kHz = 0 dB



STANDARD Tri-Mode Dual-Band ANALOG/PCS Phone (AMPS/CDMA)
FCC ID: MBUNXC3300

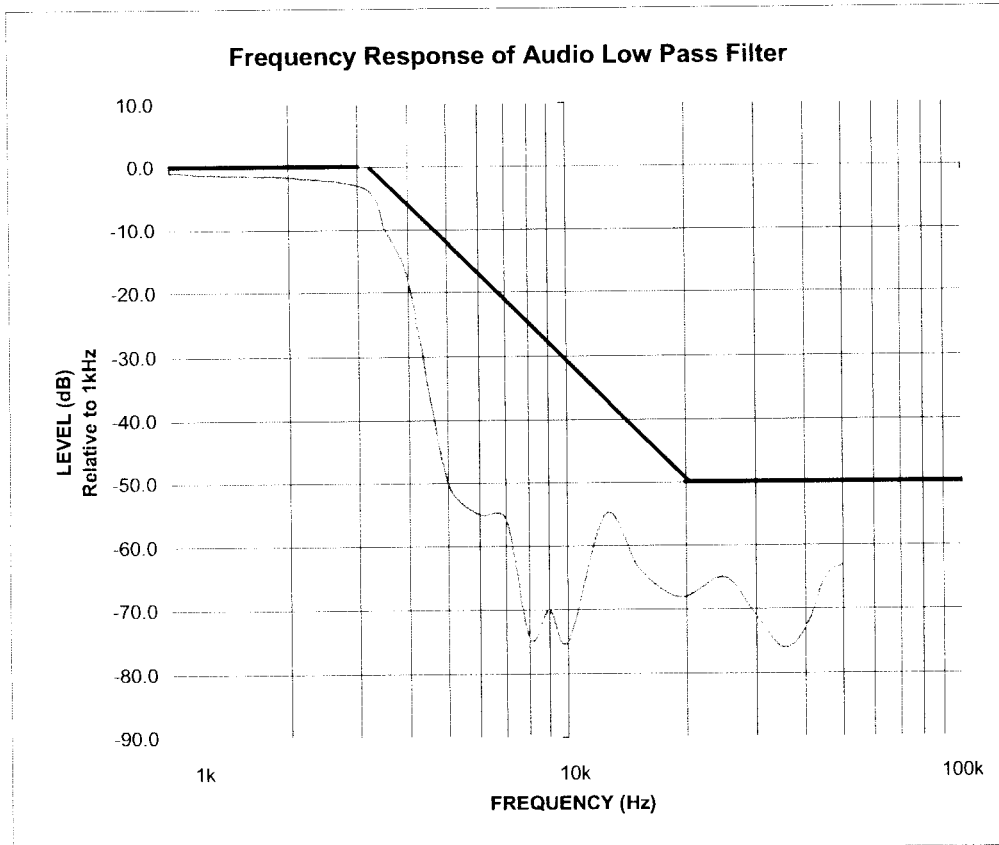
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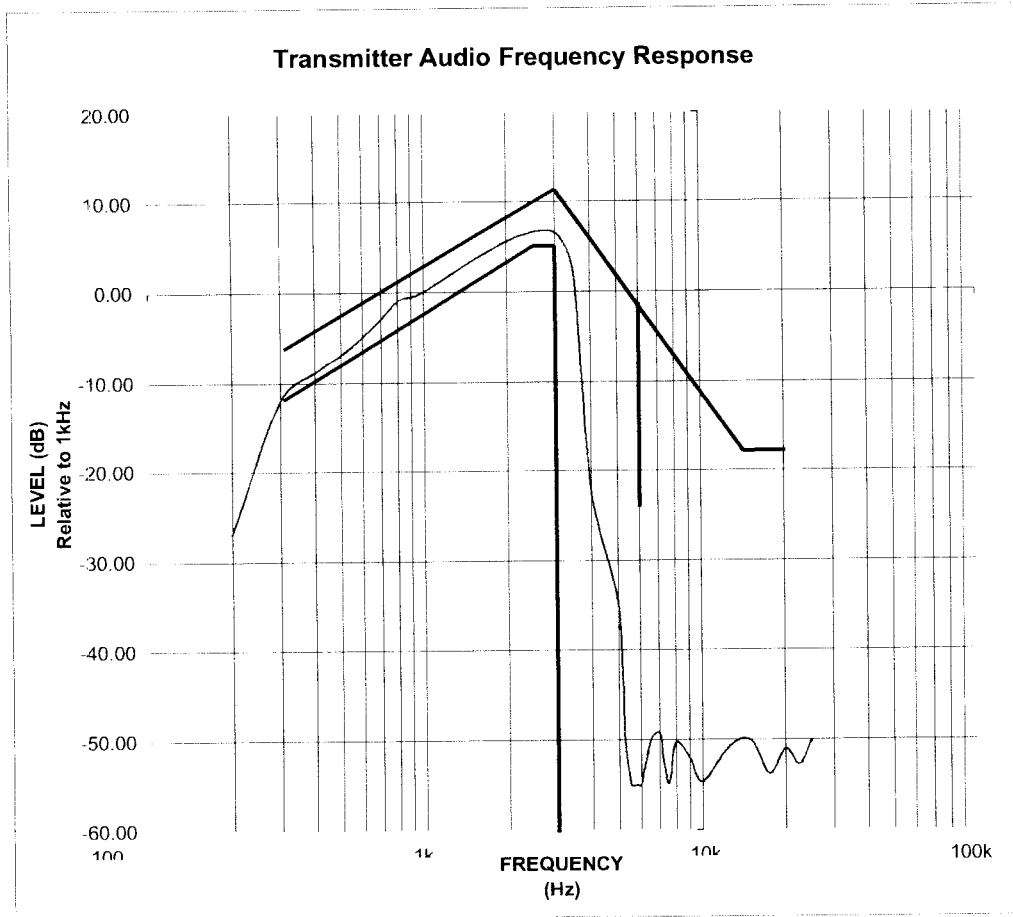
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