

FCC ID: PJ2CDM810 FM MODE

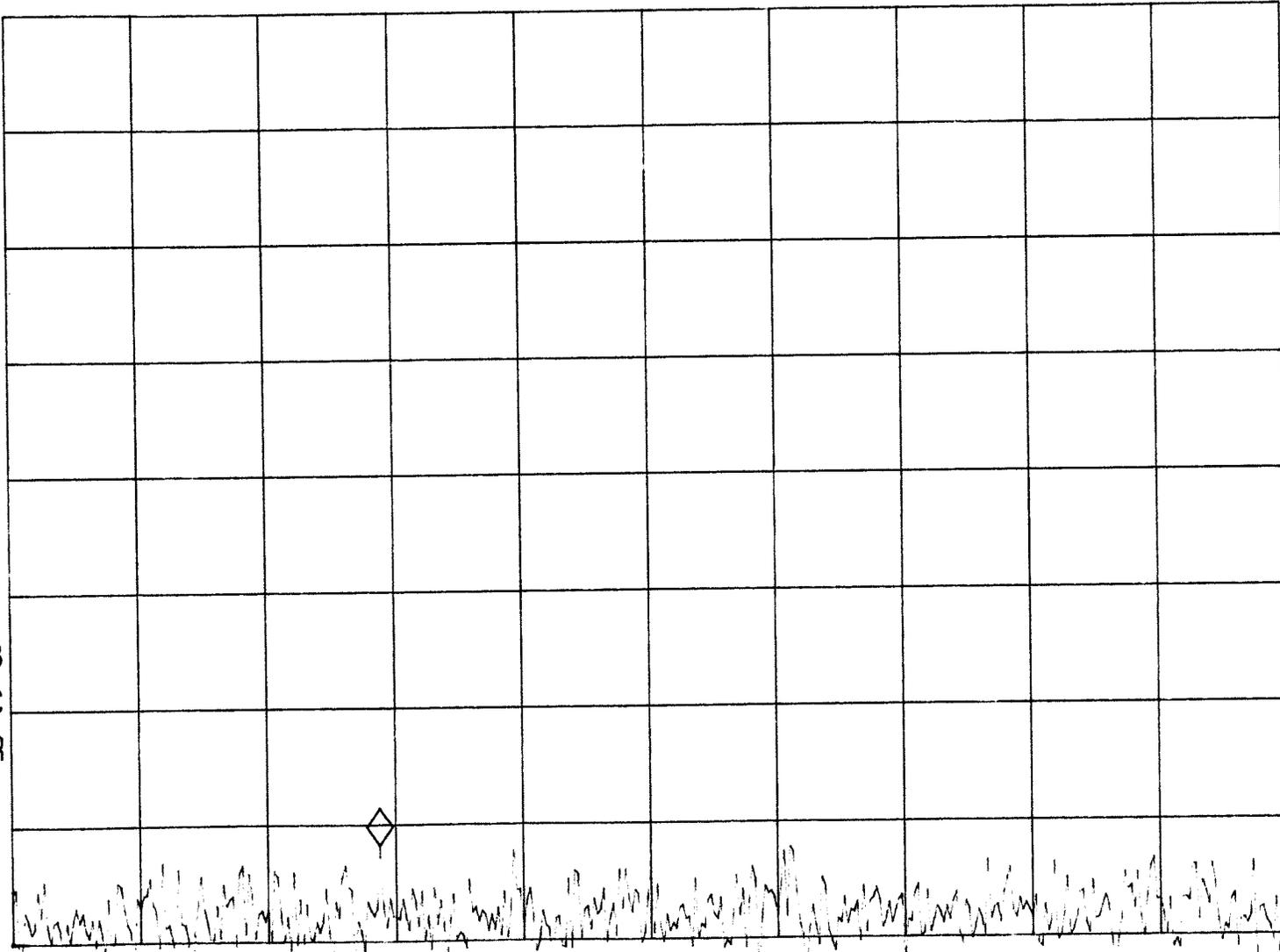
MKR 876.19 MHz

REF -60.0 dBm ATTEN 10 dB PG 25.0 dB

-95.88 dBm

PEAK
LOG
5
dB/
OFFST
6.0
dB

VA SB
SC FC
CORR



START 869.00 MHz

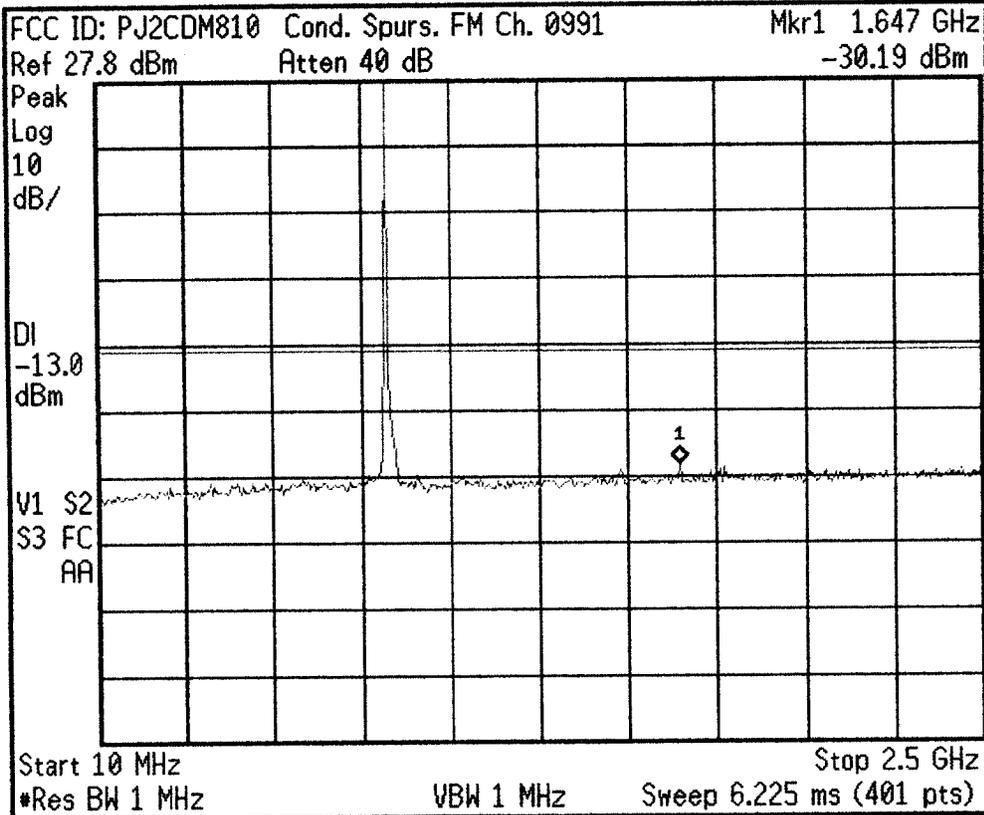
STOP 894.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

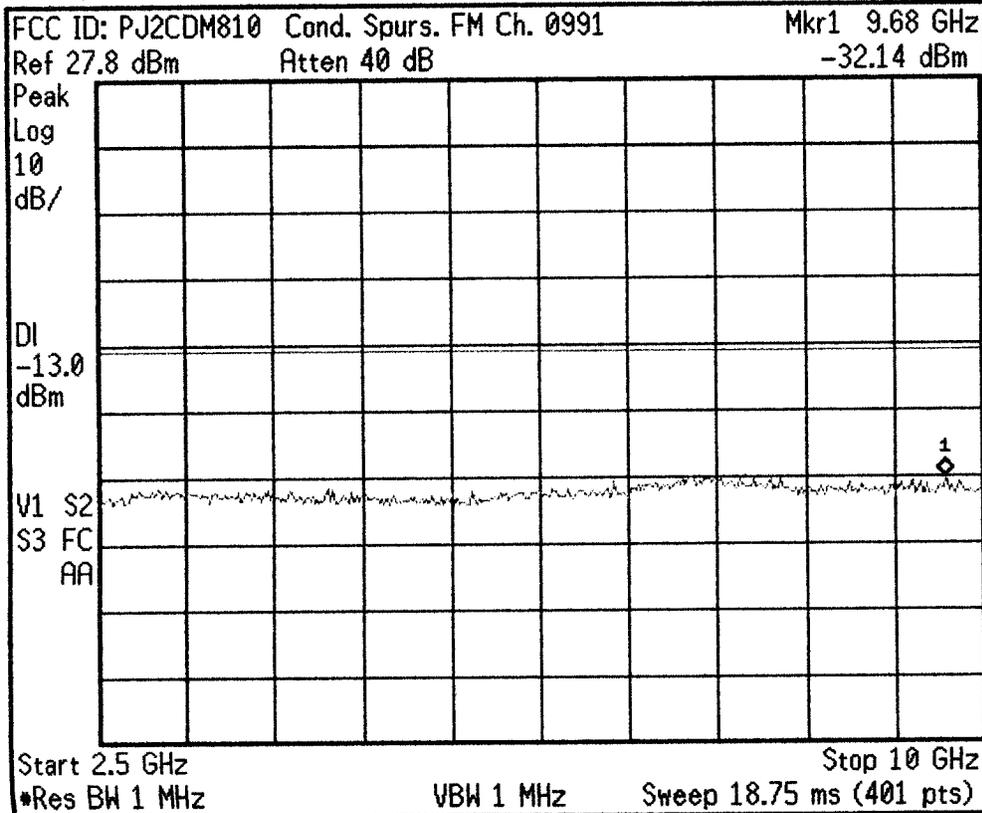
#SWP 90 msec

* Agilent 08:54:09 Mar 21, 2001



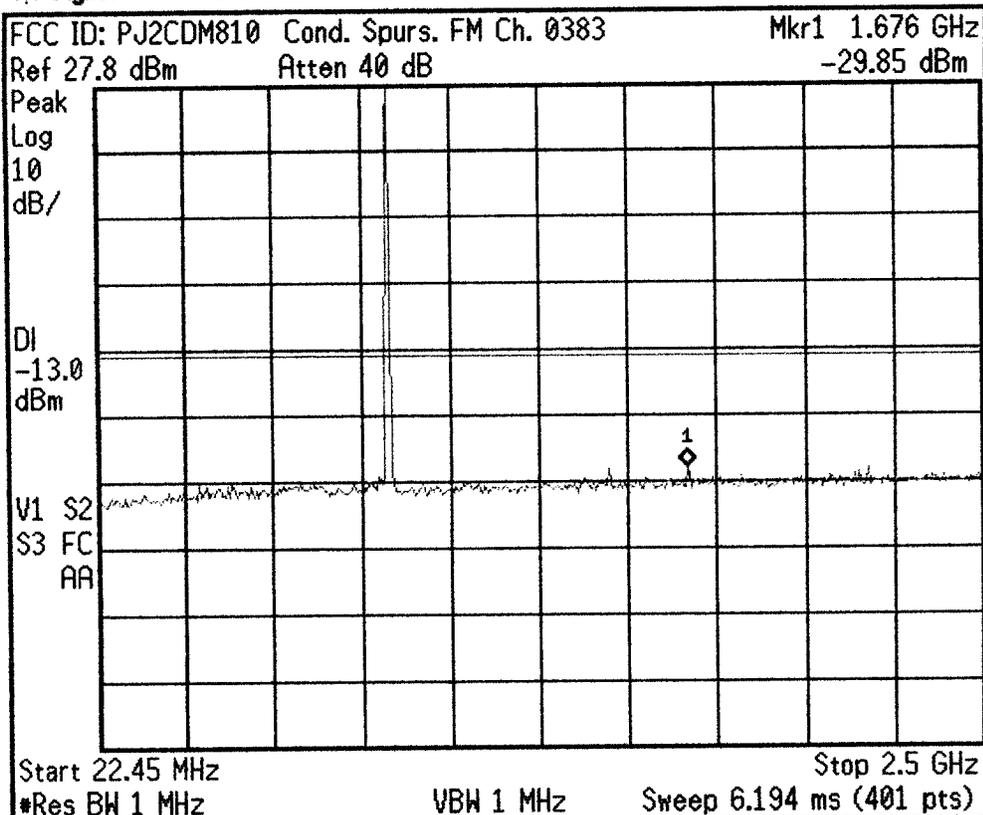
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 08:55:52 Mar 21, 2001



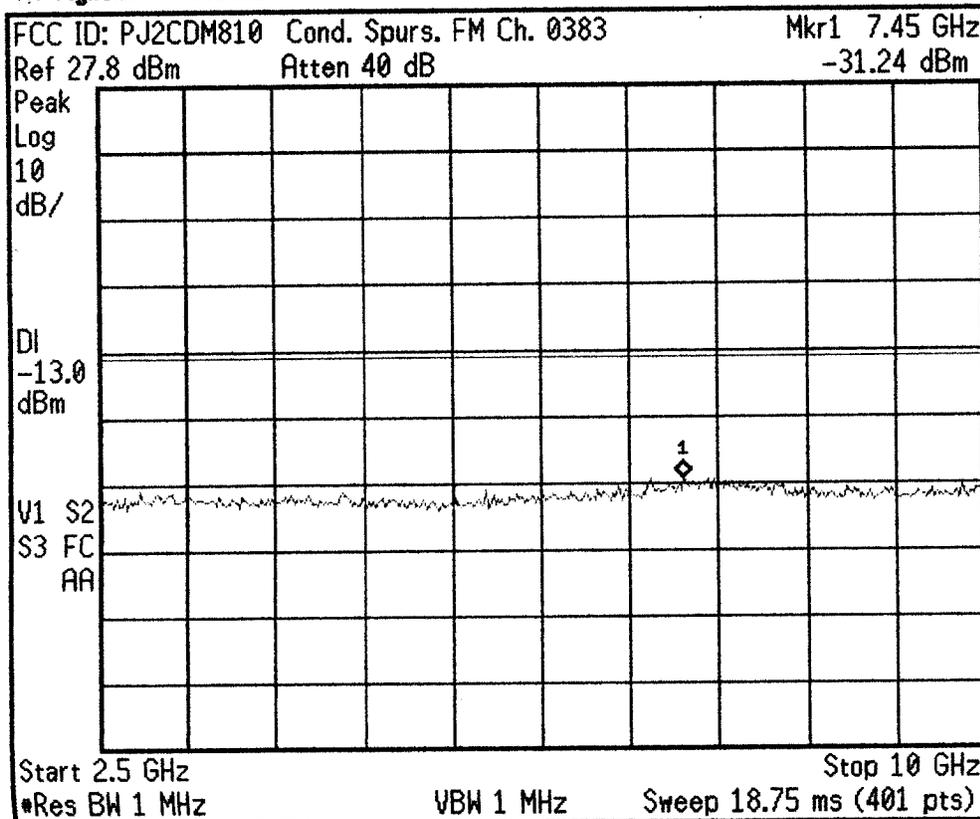
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 08:57:40 Mar 21, 2001



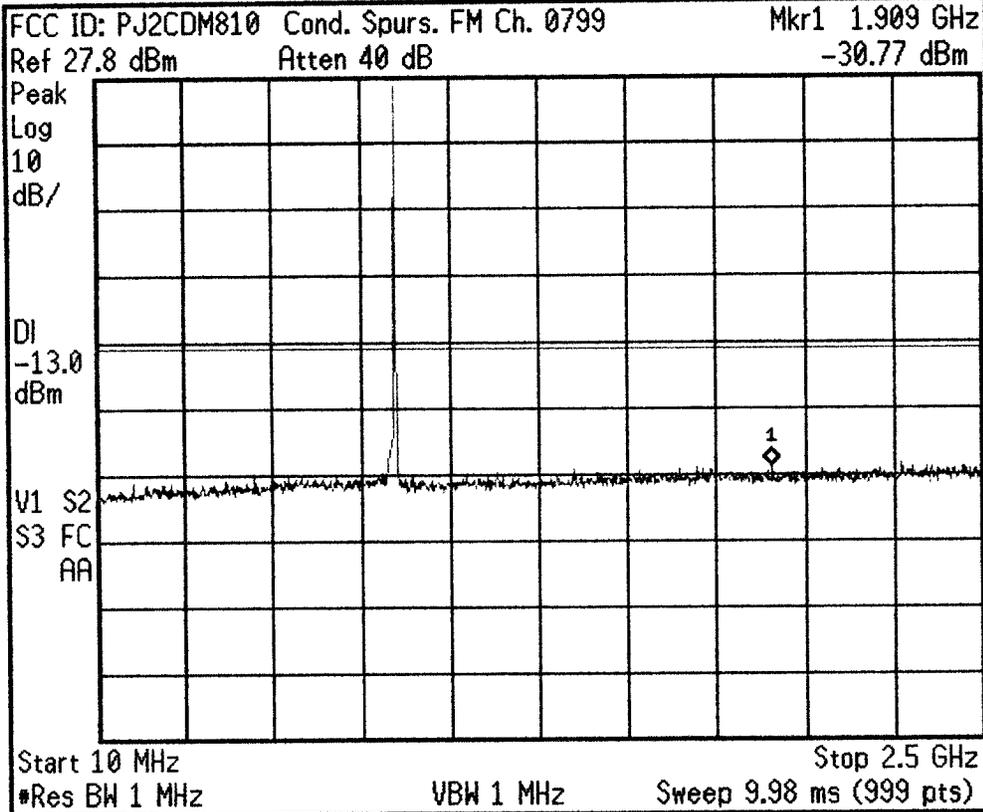
Freq/Channel
Center Freq 1.26122500 GHz
Start Freq 22.4500000 MHz
Stop Freq 2.50000000 GHz
CF Step 247.755000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 08:58:23 Mar 21, 2001



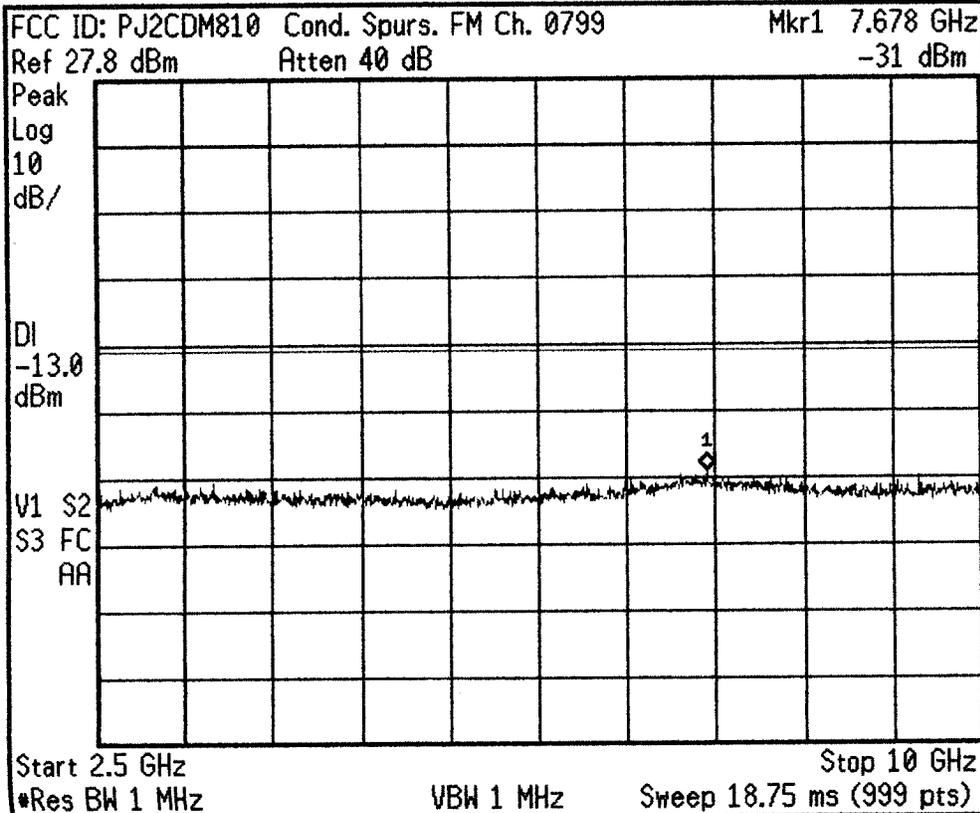
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 09:06:55 Mar 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 09:07:47 Mar 21, 2001

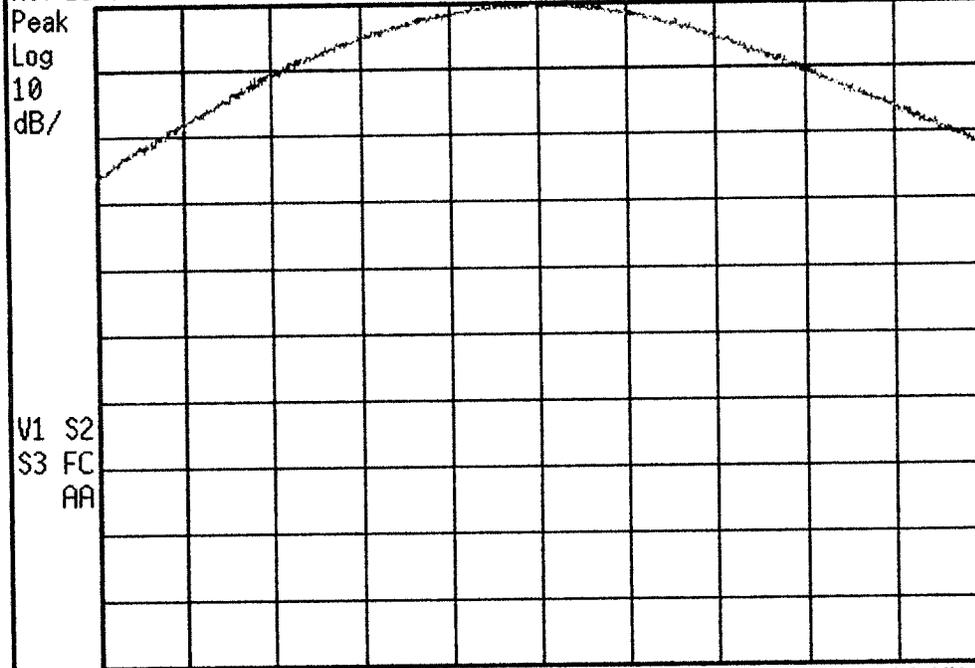


Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.00000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:57:24 Mar 21, 2001

FCC ID: PJ2CDM810 CDMA 800 PWR OUT C-0777

Ref 25 dBm Atten 35 dB



Center 848.3 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 MHz

Sweep 9.98 ms (999 pts)

Freq/Channel

Center Freq
848.310000 MHz

Start Freq
843.310000 MHz

Stop Freq
853.310000 MHz

CF Step
849.000000 MHz
Auto Man

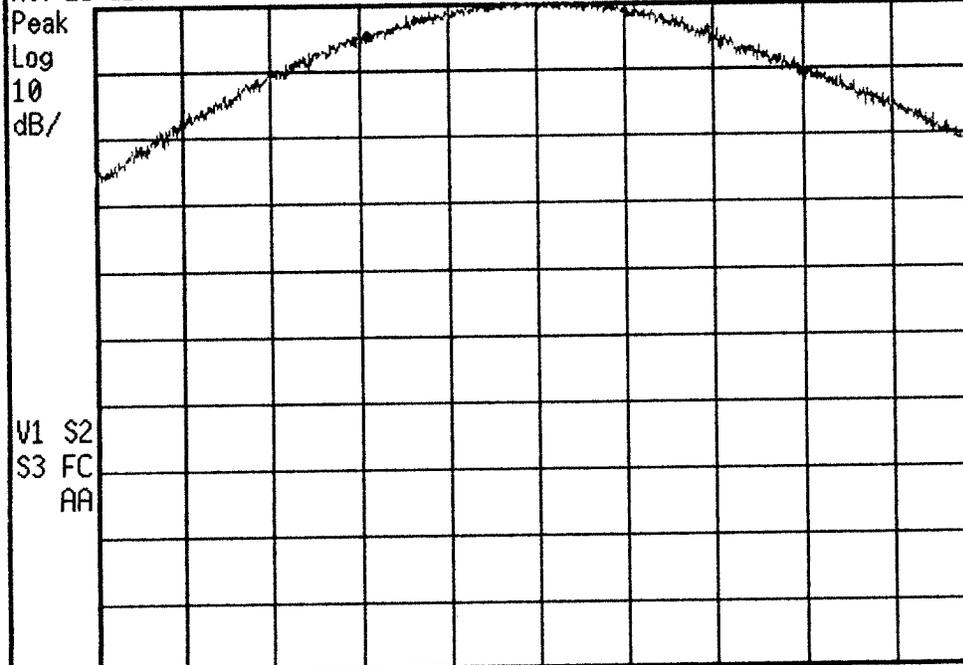
Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 12:00:27 Mar 21, 2001

FCC ID: PJ2CDM810 CDMA 800 PWR OUT C-1013

Ref 25 dBm Atten 35 dB



Center 824.7 MHz

Span 10 MHz

*Res BW 3 MHz

VBW 3 MHz

Sweep 9.98 ms (999 pts)

Freq/Channel

Center Freq
824.700000 MHz

Start Freq
819.700000 MHz

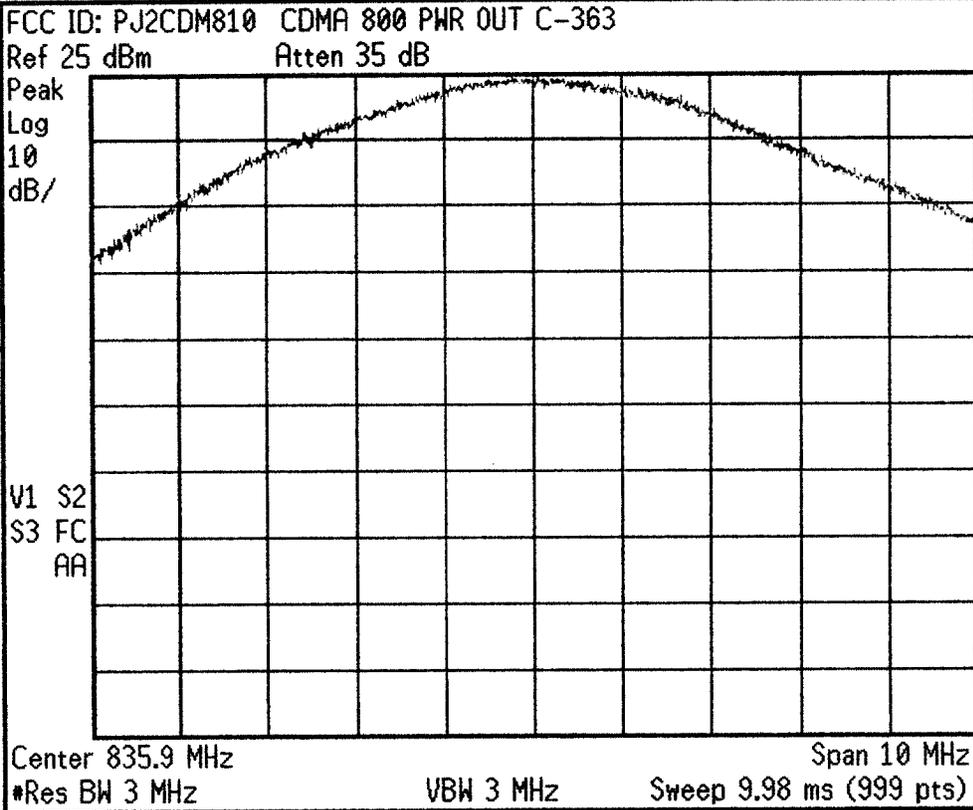
Stop Freq
829.700000 MHz

CF Step
849.000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

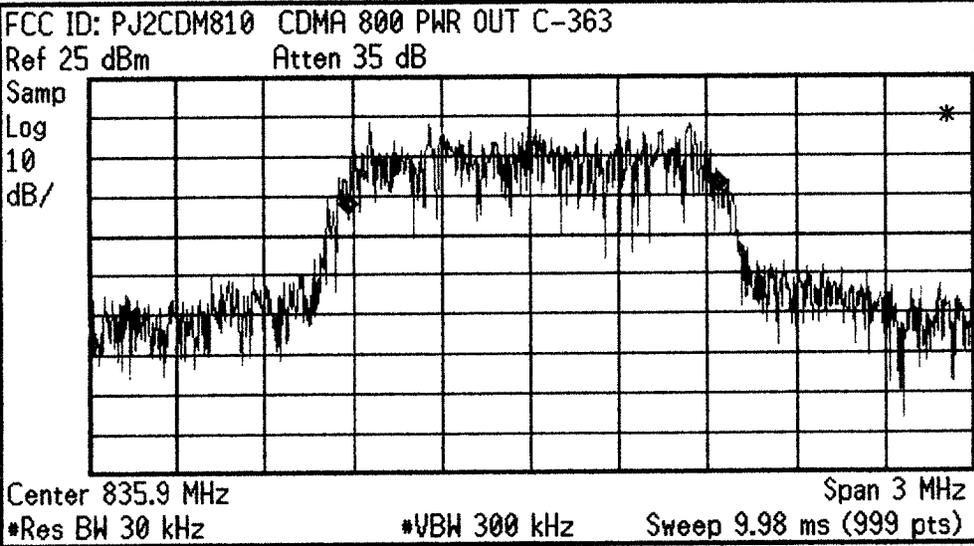
Signal Track
On Off

* Agilent 12:02:12 Mar 21, 2001



Freq/Channel
Center Freq 835.890000 MHz
Start Freq 830.890000 MHz
Stop Freq 840.890000 MHz
CF Step 849.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 12:03:50 Mar 21, 2001

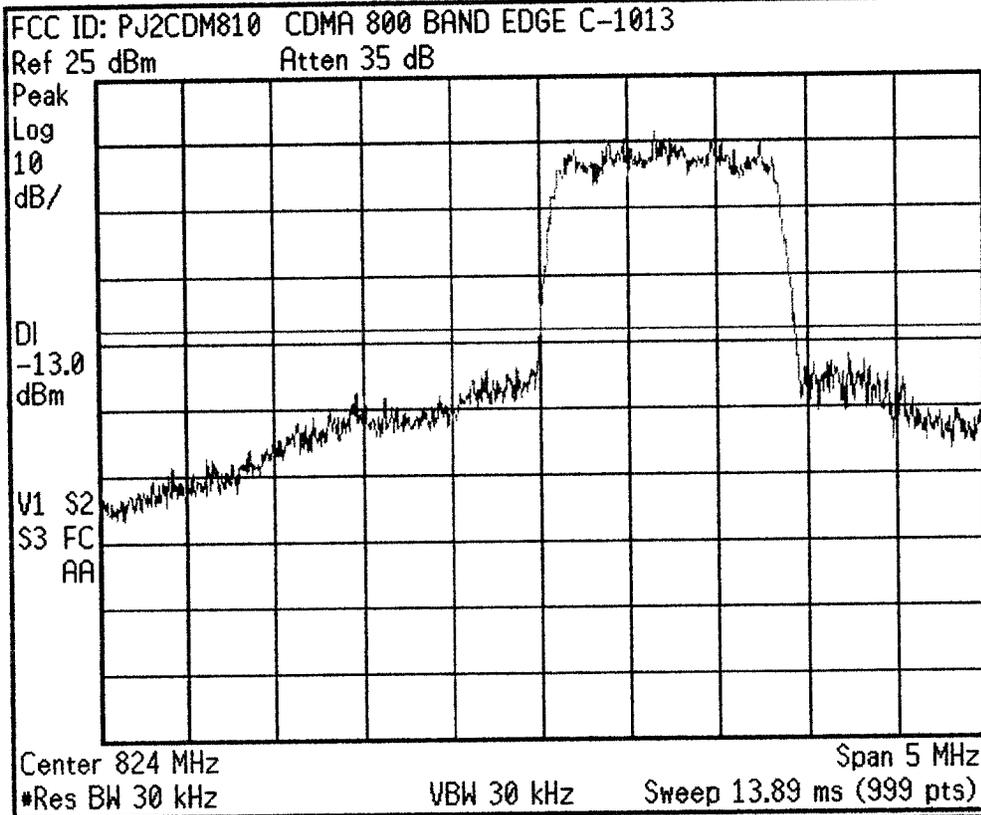


Freq/Channel
Center Freq 835.890000 MHz
Start Freq 834.390000 MHz
Stop Freq 837.390000 MHz
CF Step 849.000000 MHz Auto Man
Freq Offset 0.00000000 Hz

Occupied Bandwidth Results (idle)	
Occupied Bandwidth 1.254 MHz	Occ BW % Pwr 99.00 %
Transmit Freq Error 6.192 kHz	

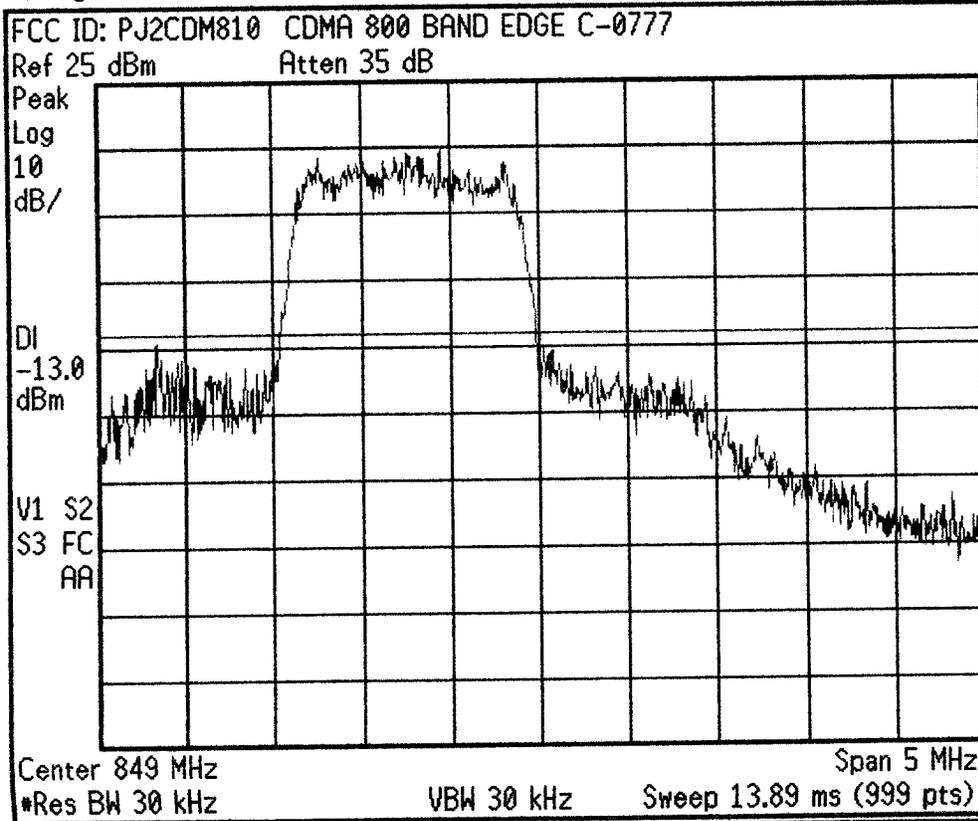
Signal Track On Off

Agilent 11:51:35 Mar 21, 2001



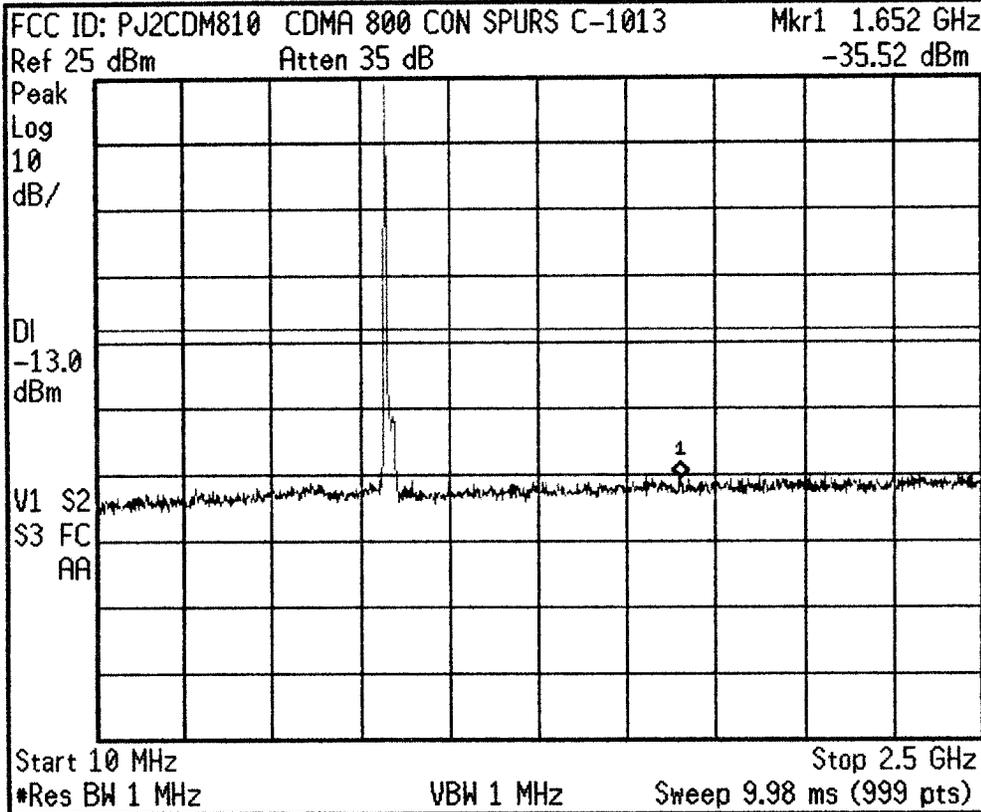
Freq/Channel
Center Freq 824.000000 MHz
Start Freq 821.500000 MHz
Stop Freq 826.500000 MHz
CF Step 500.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 11:54:11 Mar 21, 2001



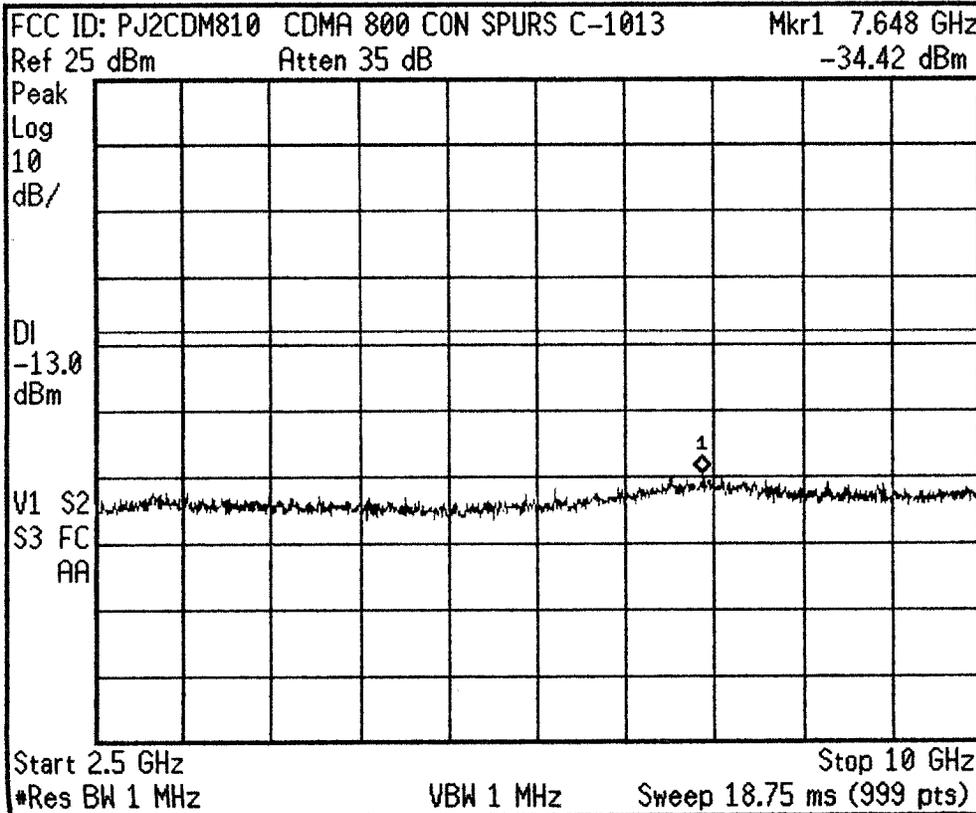
Freq/Channel
Center Freq 849.000000 MHz
Start Freq 846.500000 MHz
Stop Freq 851.500000 MHz
CF Step 849.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 11:46:50 Mar 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

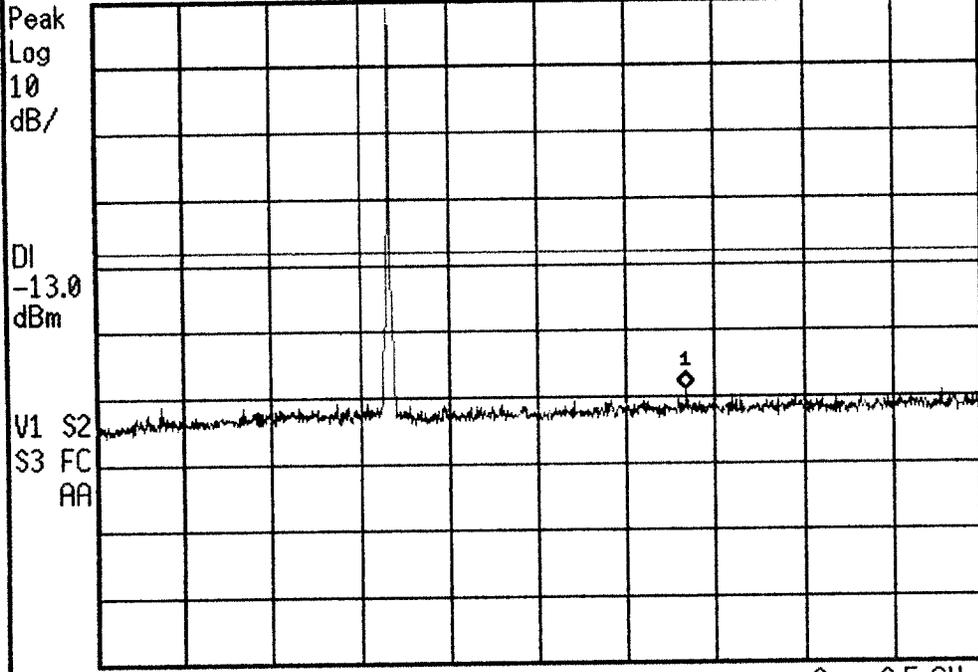
Agilent 11:47:35 Mar 21, 2001



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 11:44:19 Mar 21, 2001

FCC ID: PJ2CDM810 CDMA 800 CON SPURS C-0363 Mkr1 1.672 GHz
Ref 25 dBm Atten 35 dB -33.9 dBm

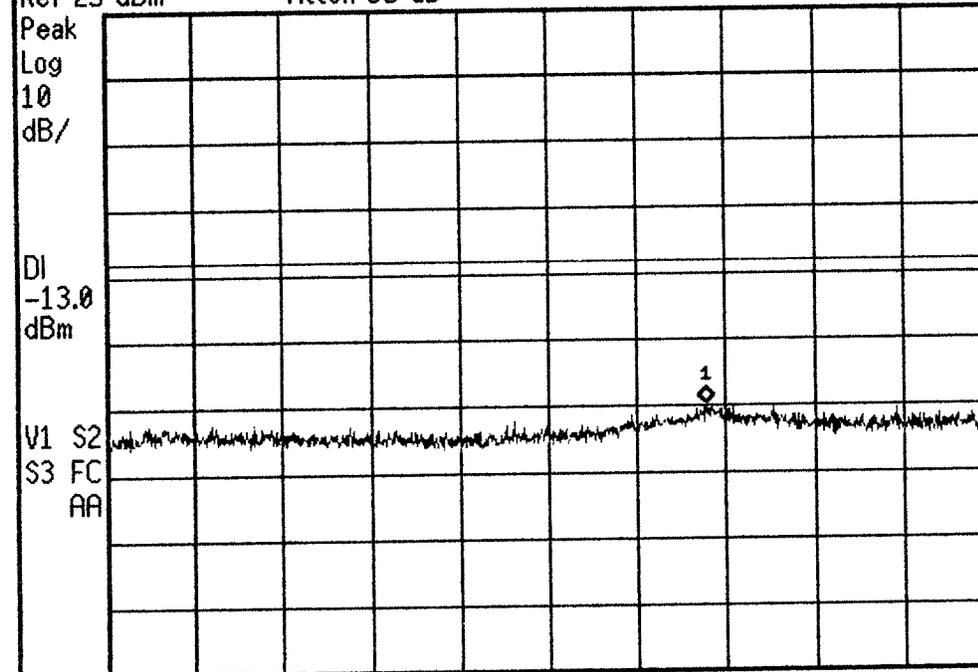


*Res BW 1 MHz VBW 1 MHz Sweep 9.98 ms (999 pts)

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

* Agilent 11:45:04 Mar 21, 2001

FCC ID: PJ2CDM810 CDMA 800 CON SPURS C-0363 Mkr1 7.588 GHz
Ref 25 dBm Atten 35 dB -34.84 dBm

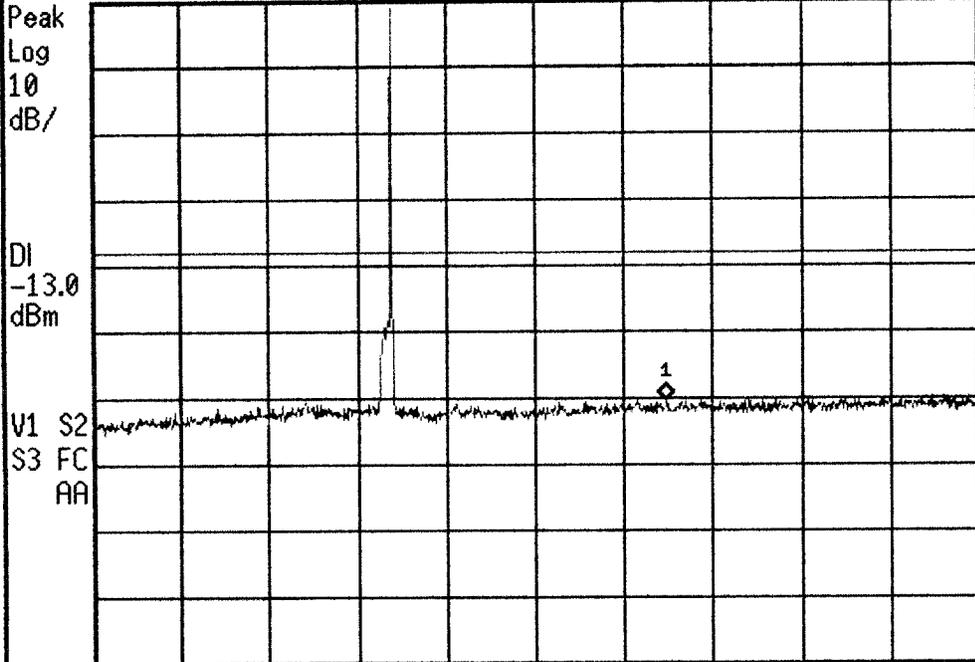


*Res BW 1 MHz VBW 1 MHz Sweep 18.75 ms (999 pts)

Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.00000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 11:36:40 Mar 21, 2001

FCC ID: PJ2CDM810 CDMA 800 CON SPURS C-0777 Mkr1 1.622 GHz
Ref 25 dBm Atten 35 dB -35.33 dBm

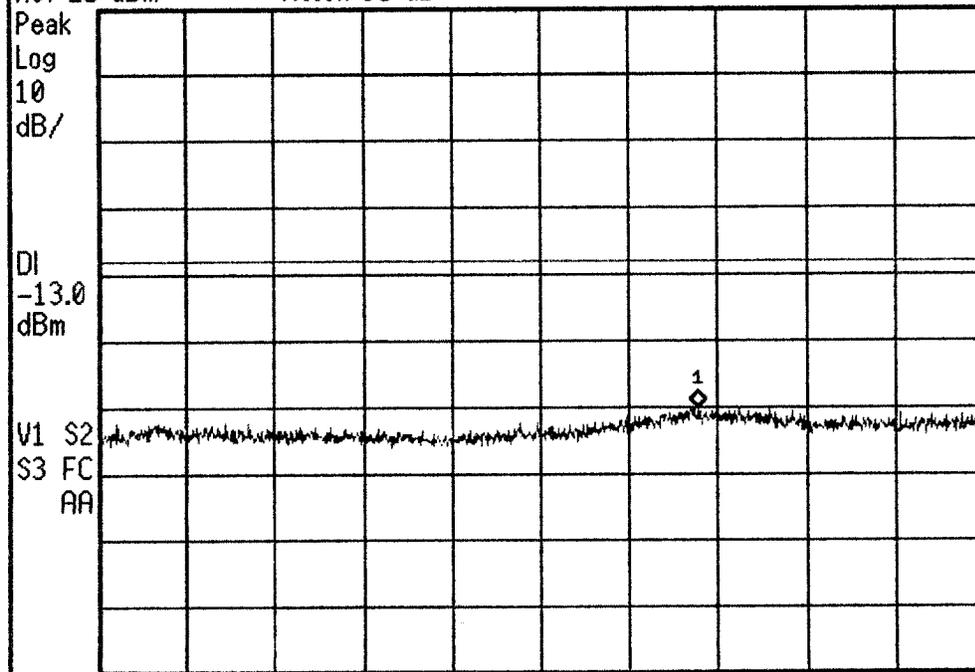


Start 10 MHz Stop 2.5 GHz
*Res BW 1 MHz VBW 1 MHz Sweep 9.98 ms (999 pts)

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

Agilent 11:39:57 Mar 21, 2001

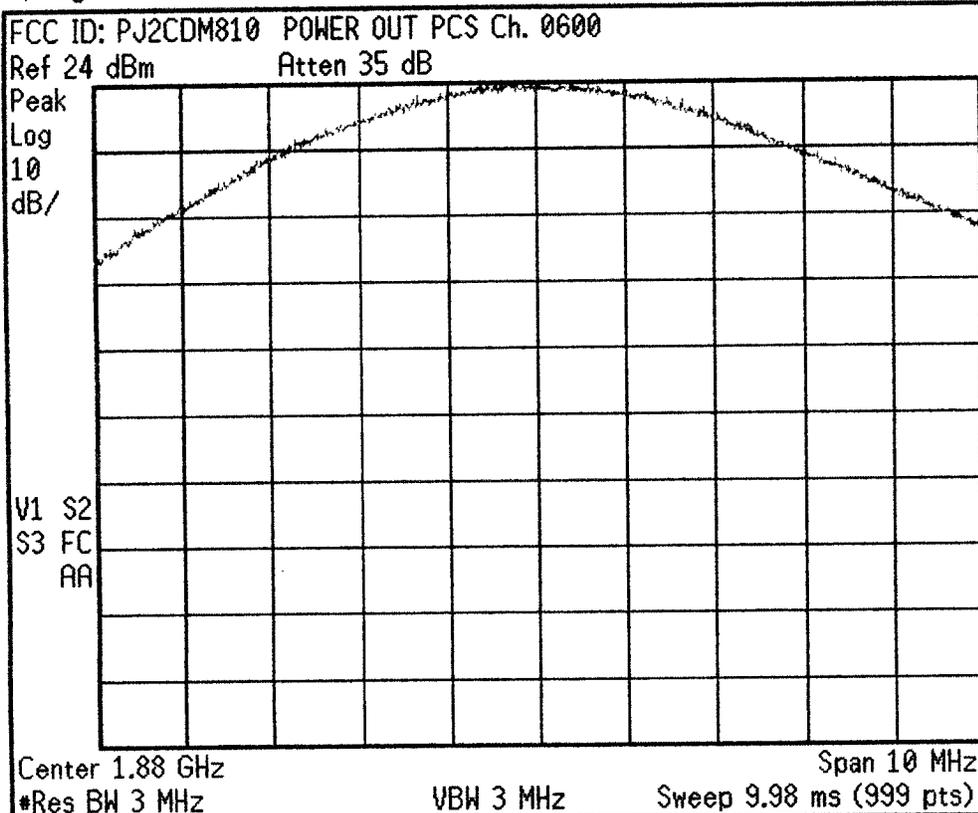
FCC ID: PJ2CDM810 CDMA 800 CON SPURS C-0777 Mkr1 7.588 GHz
Ref 25 dBm Atten 35 dB -34.9 dBm



Start 2.5 GHz Stop 10 GHz
*Res BW 1 MHz VBW 1 MHz Sweep 18.75 ms (999 pts)

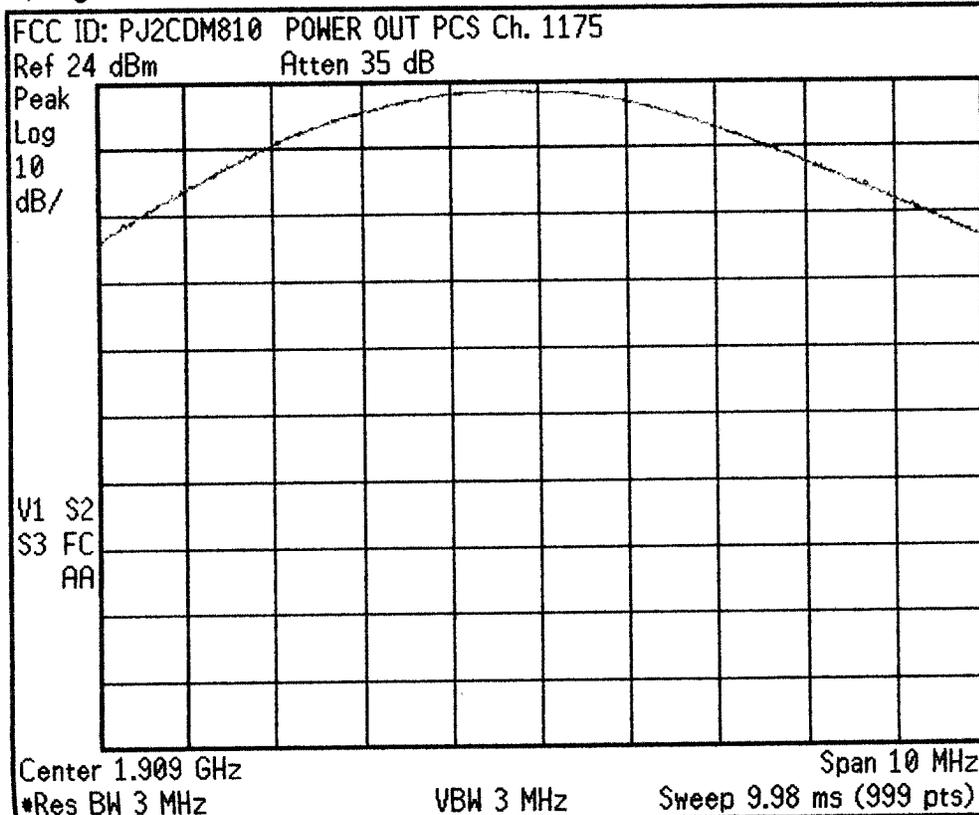
Freq/Channel
Center Freq 6.25000000 GHz
Start Freq 2.50000000 GHz
Stop Freq 10.0000000 GHz
CF Step 750.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:04:08 Mar 21, 2001



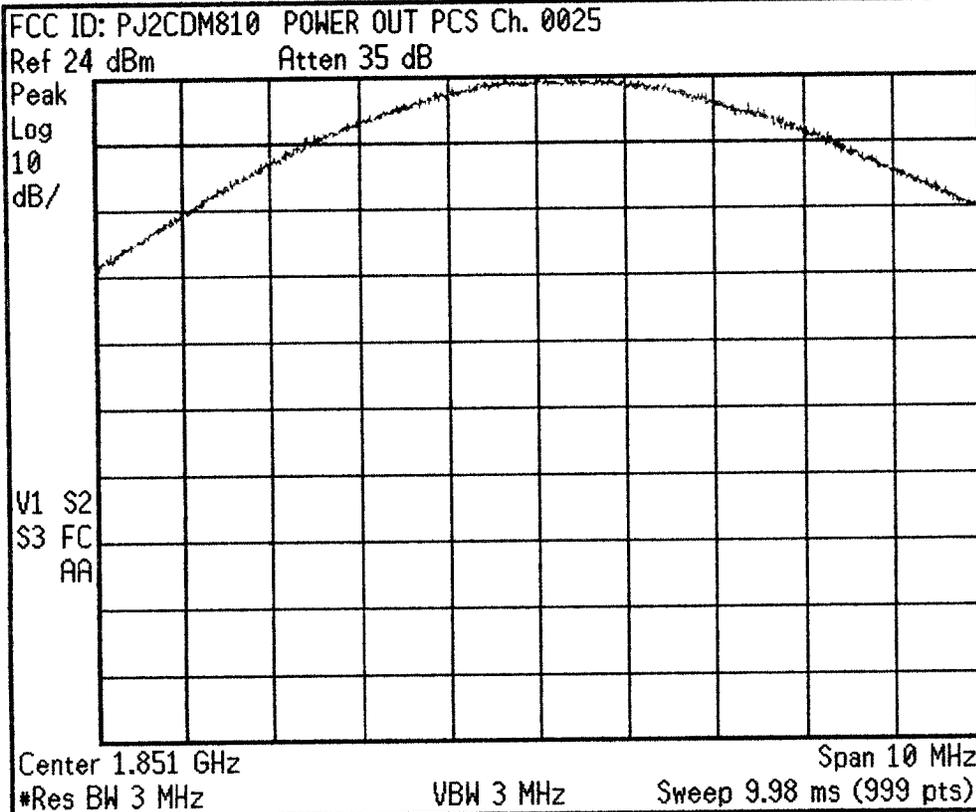
Freq/Channel
Center Freq 1.88000000 GHz
Start Freq 1.87500000 GHz
Stop Freq 1.88500000 GHz
CF Step 1.00000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:06:01 Mar 21, 2001



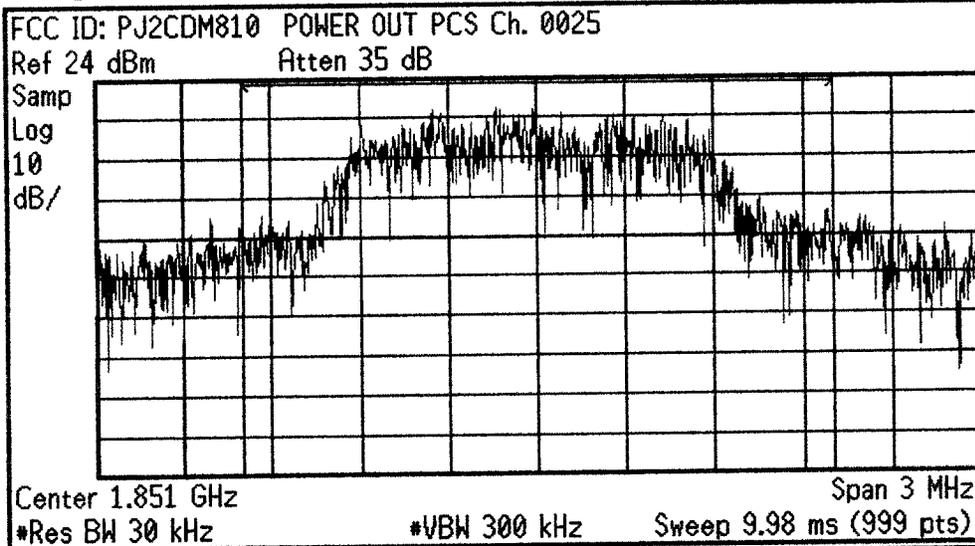
Freq/Channel
Center Freq 1.90900000 GHz
Start Freq 1.90400000 GHz
Stop Freq 1.91400000 GHz
CF Step 1.00000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:07:11 Mar 21, 2001



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 11:11:26 Mar 21, 2001



Marker
Select Marker 1 2 3 4
Normal
Delta
Band Pair Start Stop
Span Pair Span Center

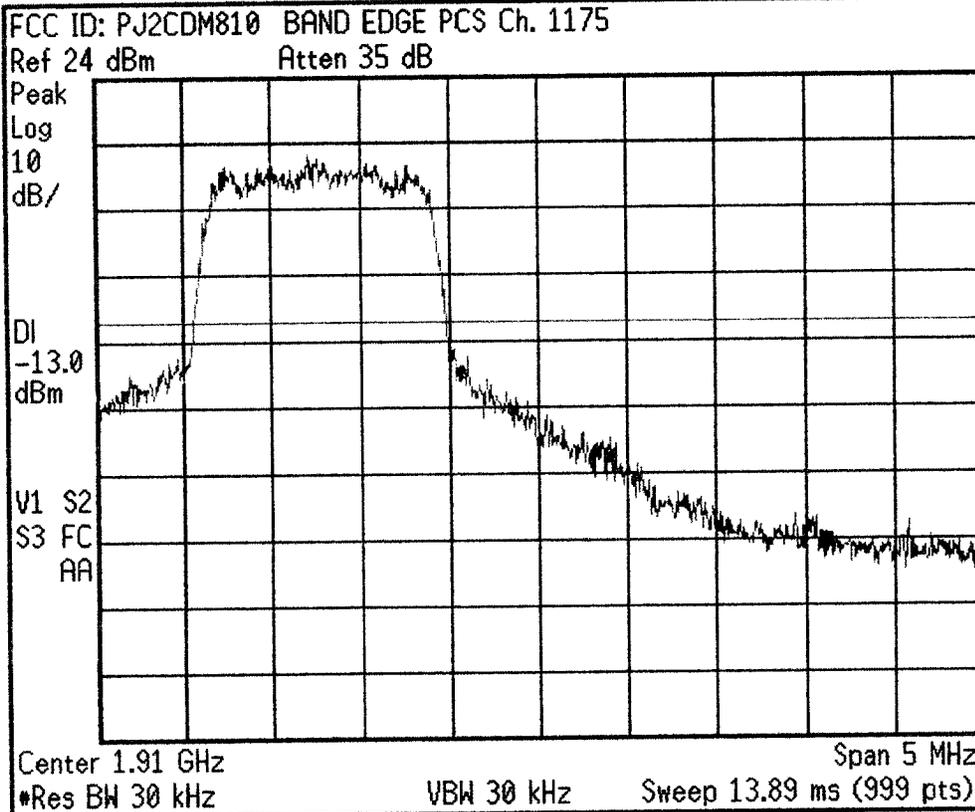
Channel Power Results (Idle)

Channel Power 24.05 dBm
Density -38.96 dBm/Hz

Integration BW 2.000 MHz

Off
More 1 of 2

* Agilent 11:18:54 Mar 21, 2001



Freq/Channel

Center Freq
1.91000000 GHz

Start Freq
1.90750000 GHz

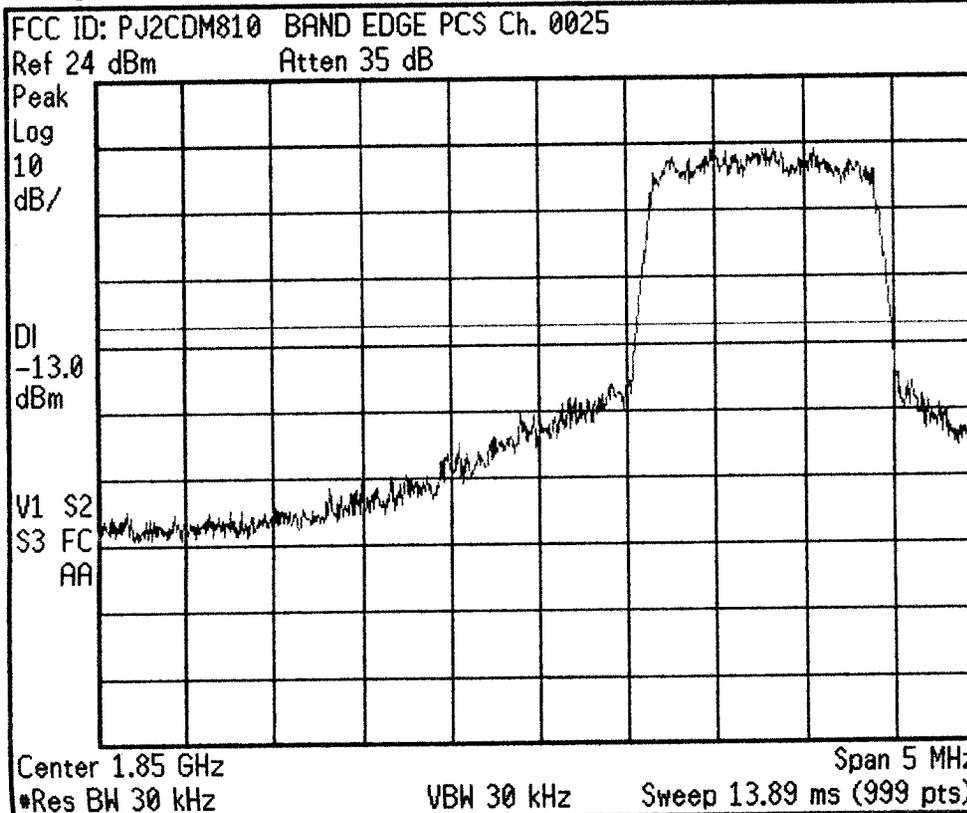
Stop Freq
1.91250000 GHz

CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 11:20:31 Mar 21, 2001



Freq/Channel

Center Freq
1.85000000 GHz

Start Freq
1.84750000 GHz

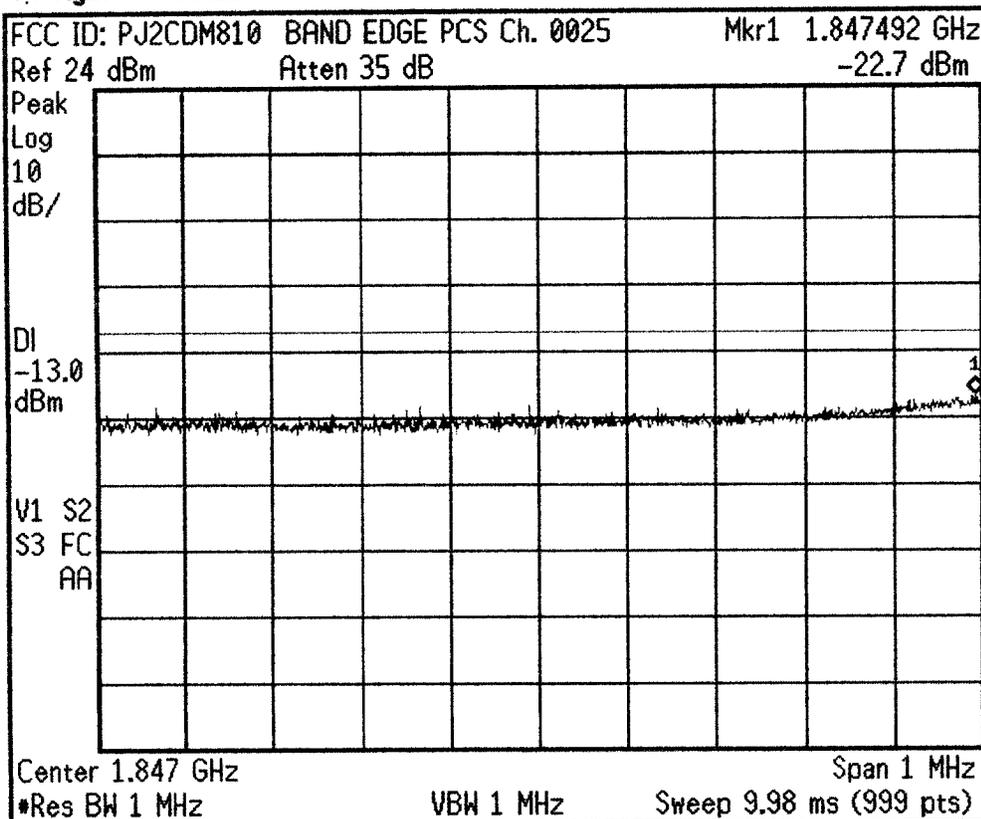
Stop Freq
1.85250000 GHz

CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 11:22:15 Mar 21, 2001



Freq/Channel

Center Freq
1.84700000 GHz

Start Freq
1.84650000 GHz

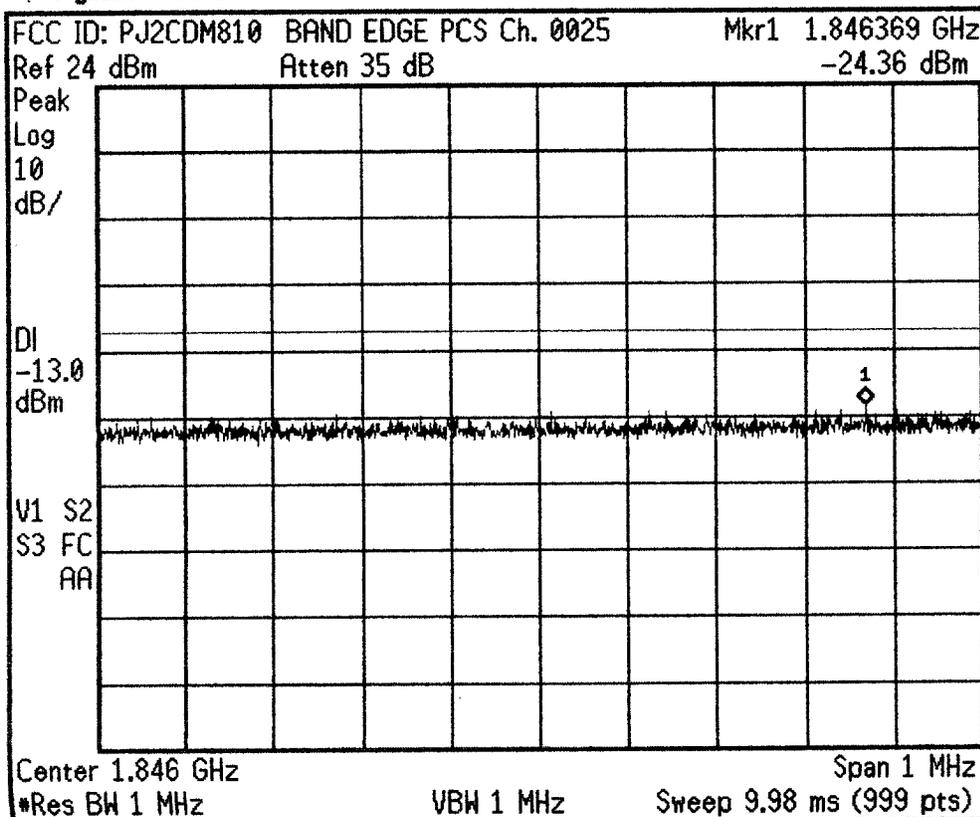
Stop Freq
1.84750000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 11:23:16 Mar 21, 2001



Freq/Channel

Center Freq
1.84600000 GHz

Start Freq
1.84550000 GHz

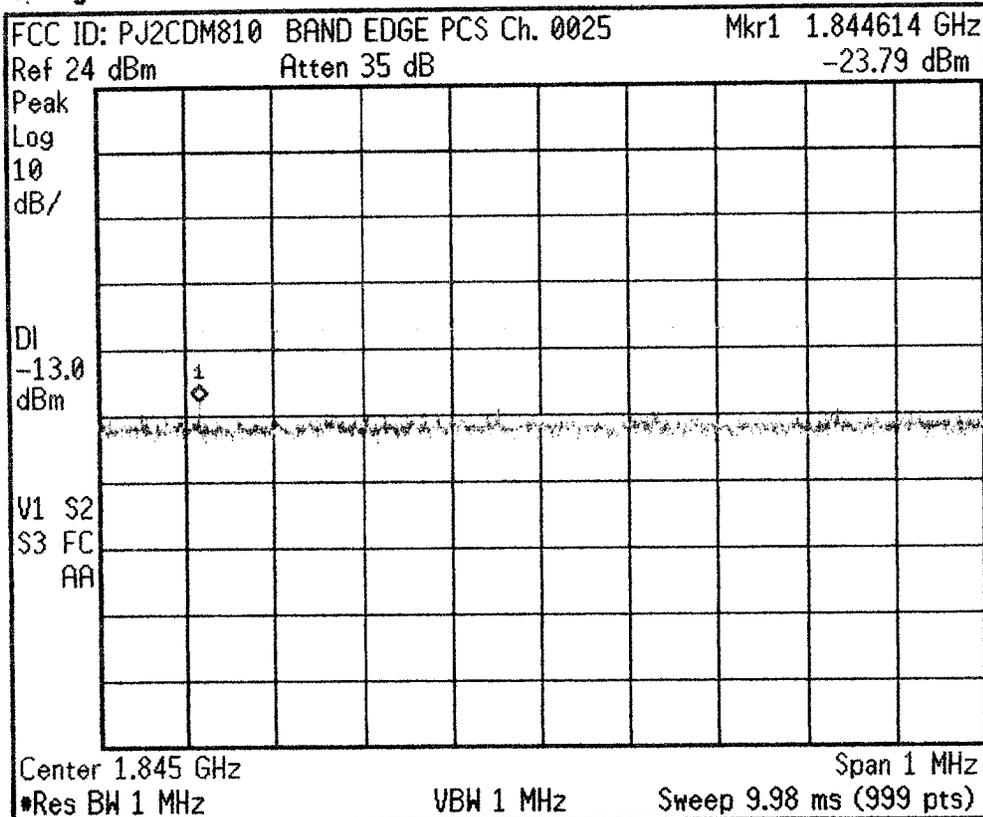
Stop Freq
1.84650000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Agilent 11:24:11 Mar 21, 2001



Freq/Channel

Center Freq
1.84500000 GHz

Start Freq
1.84450000 GHz

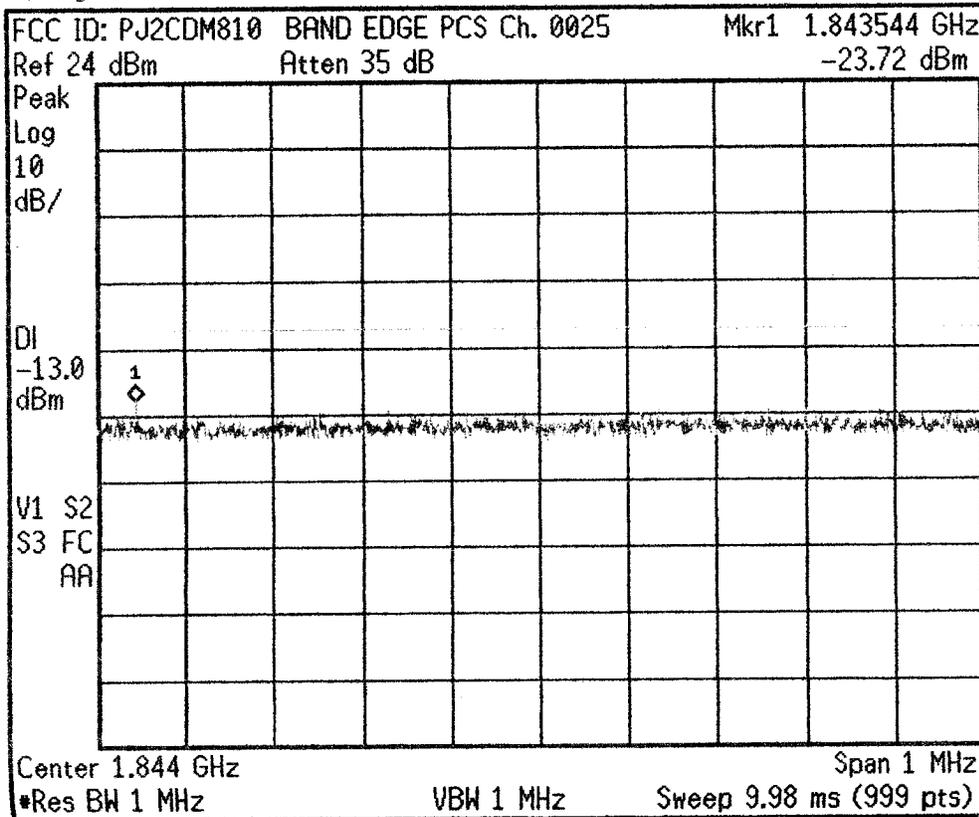
Stop Freq
1.84550000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Agilent 11:24:49 Mar 21, 2001



Freq/Channel

Center Freq
1.84400000 GHz

Start Freq
1.84350000 GHz

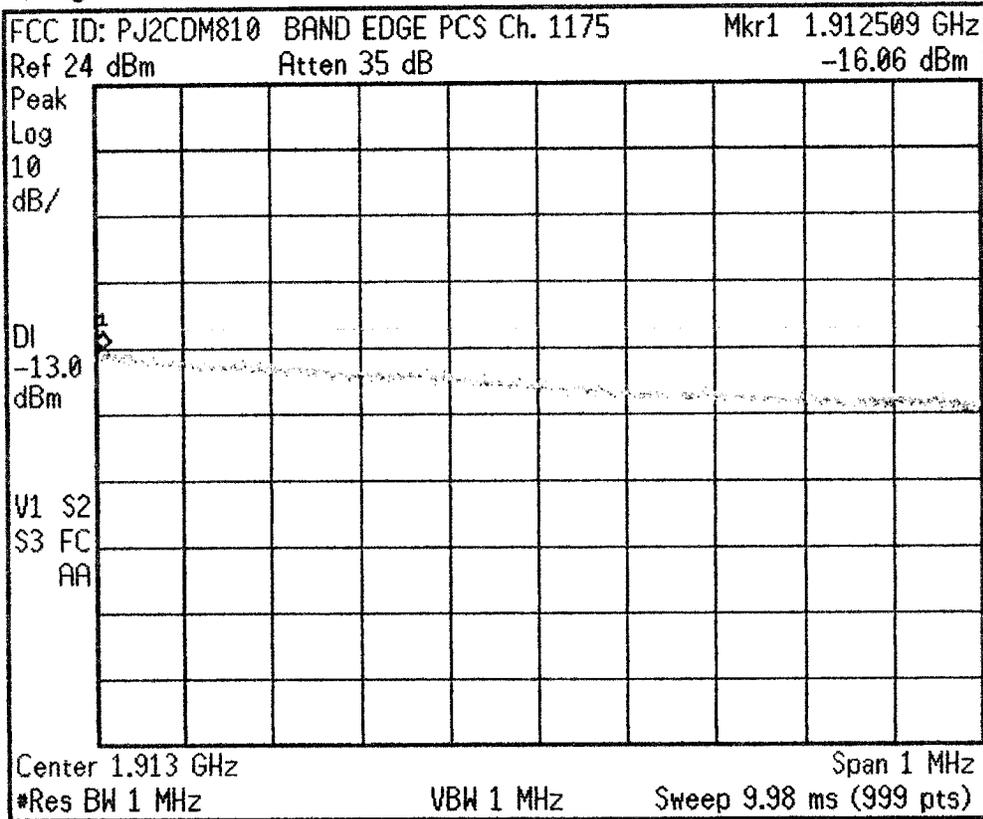
Stop Freq
1.84450000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 11:26:08 Mar 21, 2001



Freq/Channel

Center Freq
1.91300000 GHz

Start Freq
1.91250000 GHz

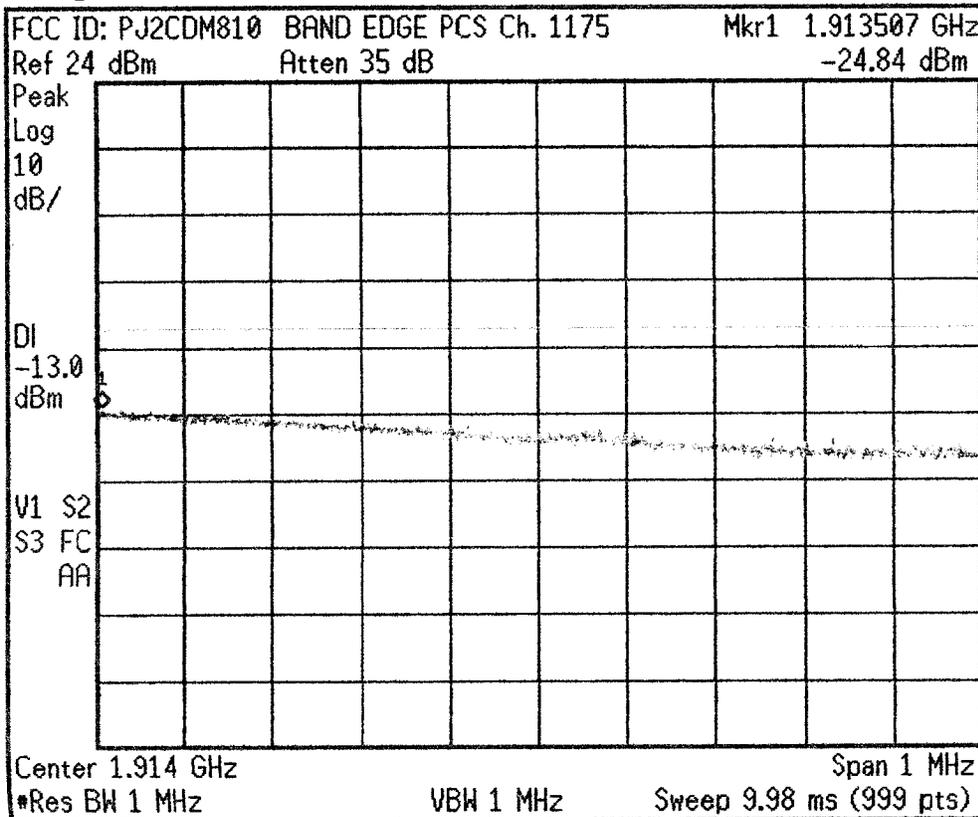
Stop Freq
1.91350000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

* Agilent 11:27:00 Mar 21, 2001



Freq/Channel

Center Freq
1.91400000 GHz

Start Freq
1.91350000 GHz

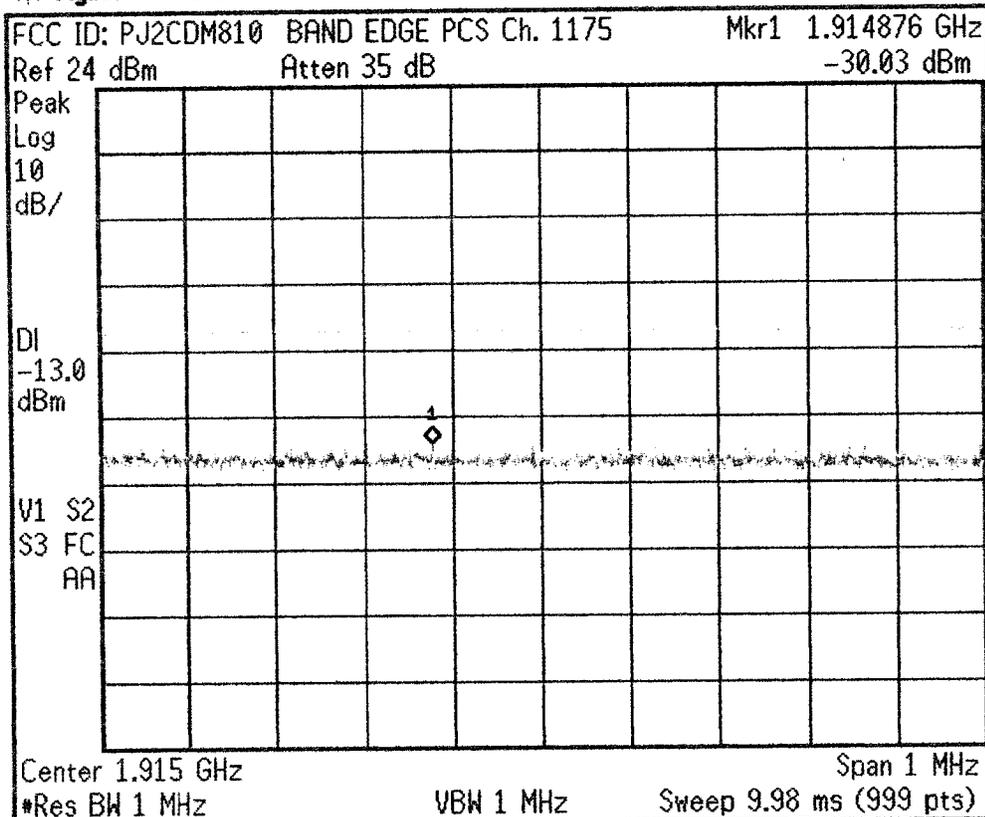
Stop Freq
1.91450000 GHz

CF Step
100.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

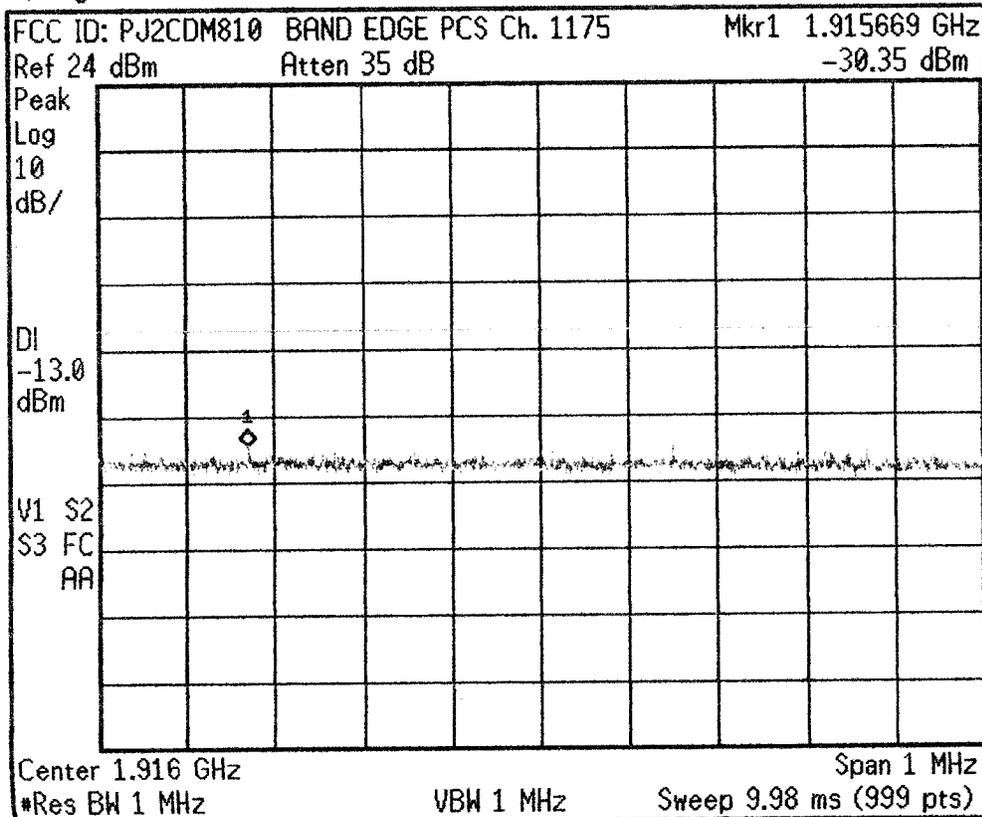
Signal Track
On Off

* Agilent 11:27:53 Mar 21, 2001



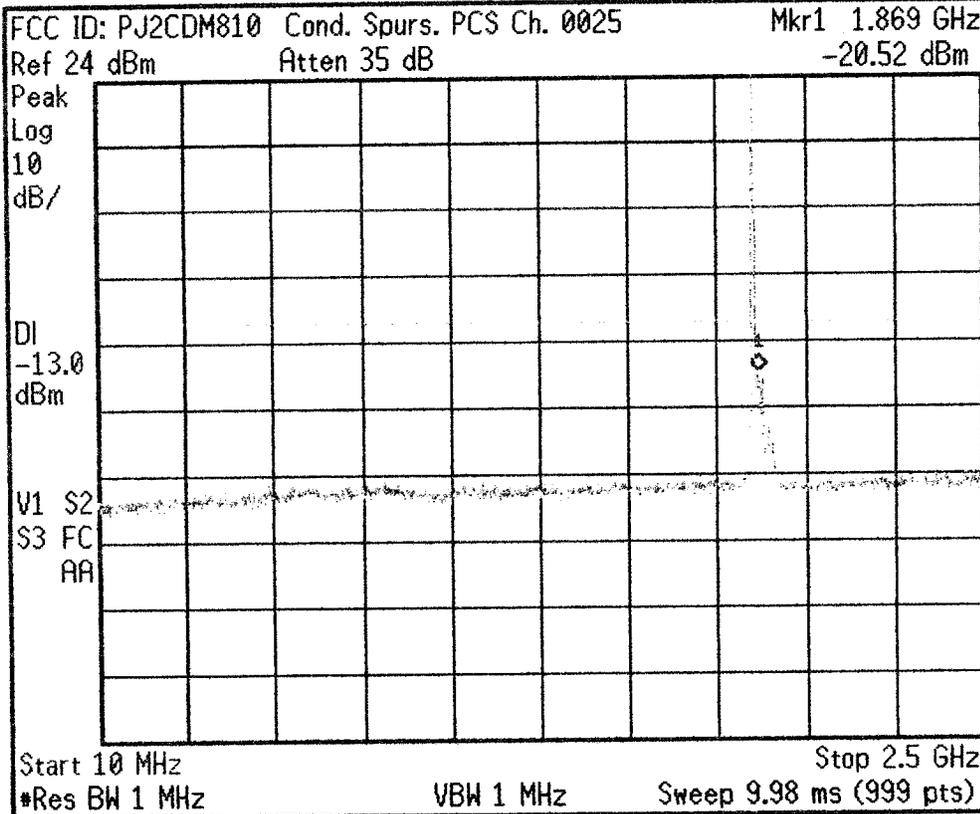
Freq/Channel
Center Freq 1.91500000 GHz
Start Freq 1.91450000 GHz
Stop Freq 1.91550000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 11:29:09 Mar 21, 2001



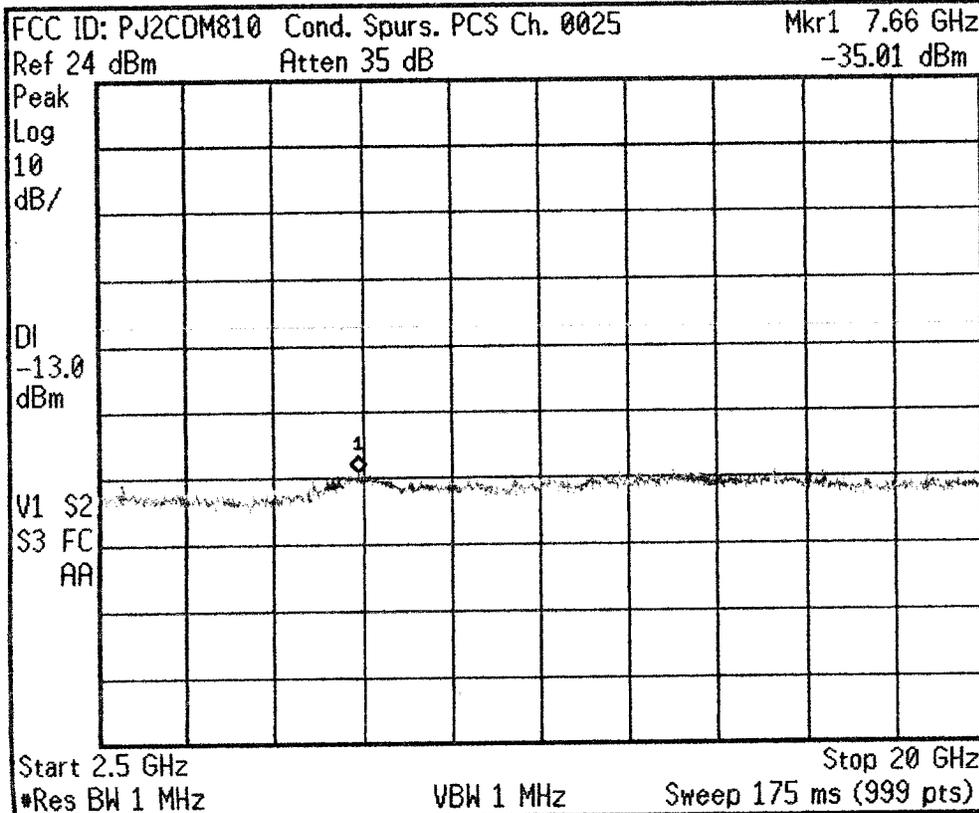
Freq/Channel
Center Freq 1.91600000 GHz
Start Freq 1.91550000 GHz
Stop Freq 1.91650000 GHz
CF Step 100.000000 kHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 10:44:15 Mar 21, 2001



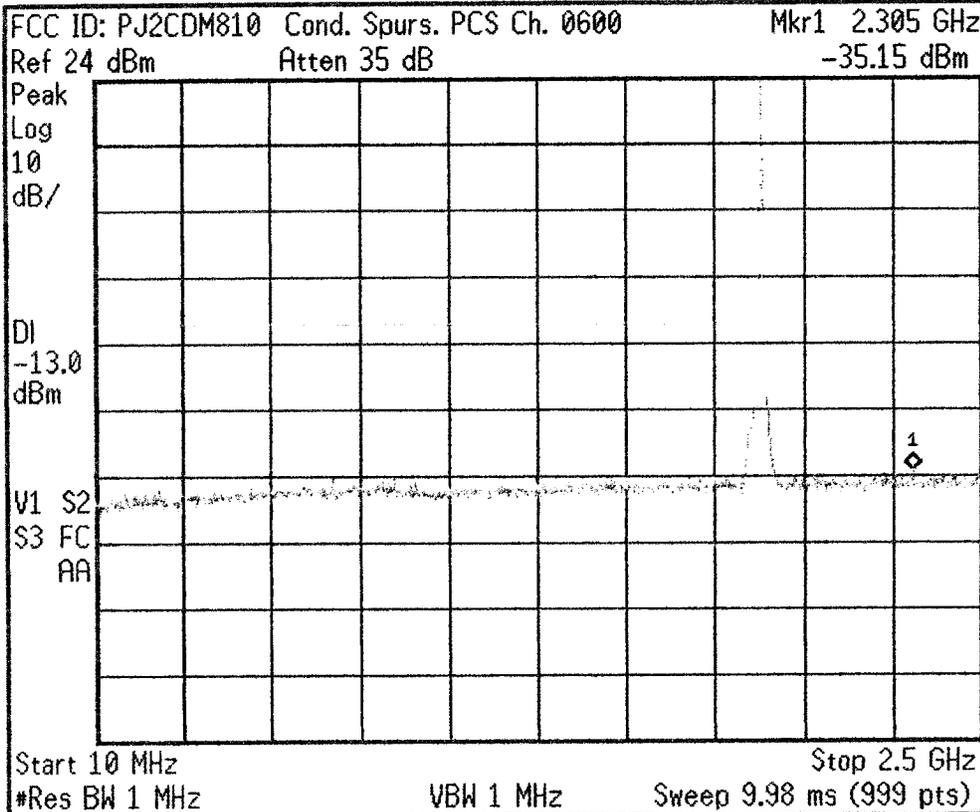
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

Agilent 10:44:58 Mar 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 10:57:33 Mar 21, 2001



Freq/Channel

Center Freq
1.25500000 GHz

Start Freq
10.0000000 MHz

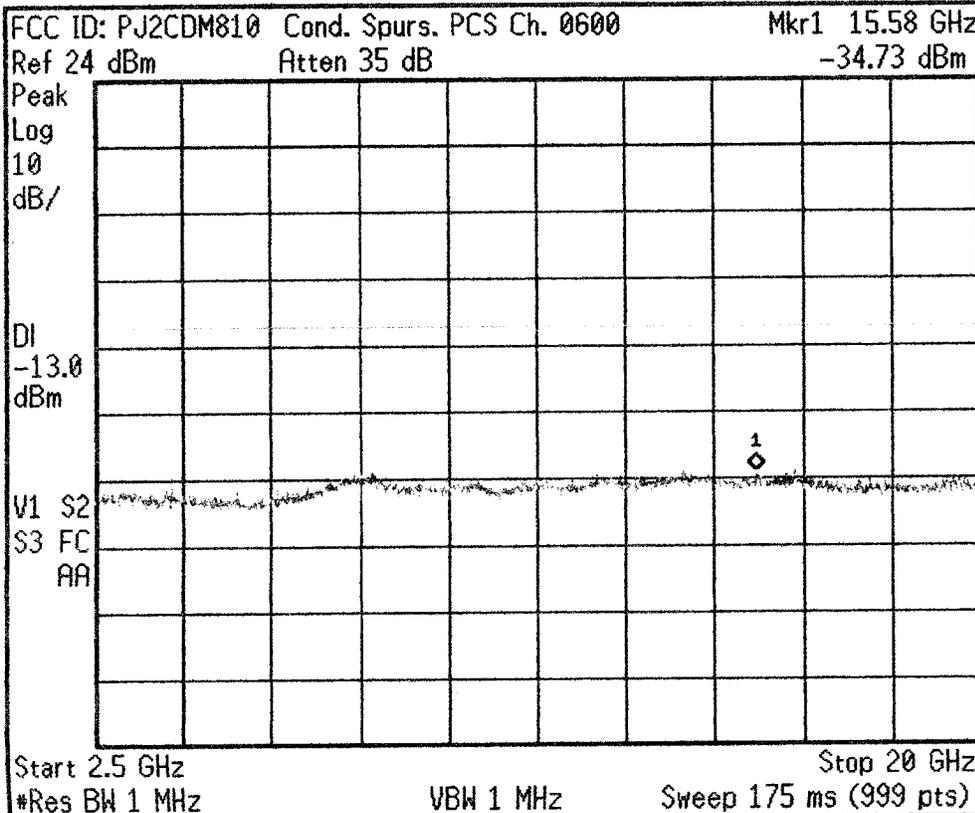
Stop Freq
2.50000000 GHz

CF Step
249.000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Agilent 10:58:52 Mar 21, 2001



Freq/Channel

Center Freq
11.2500000 GHz

Start Freq
2.50000000 GHz

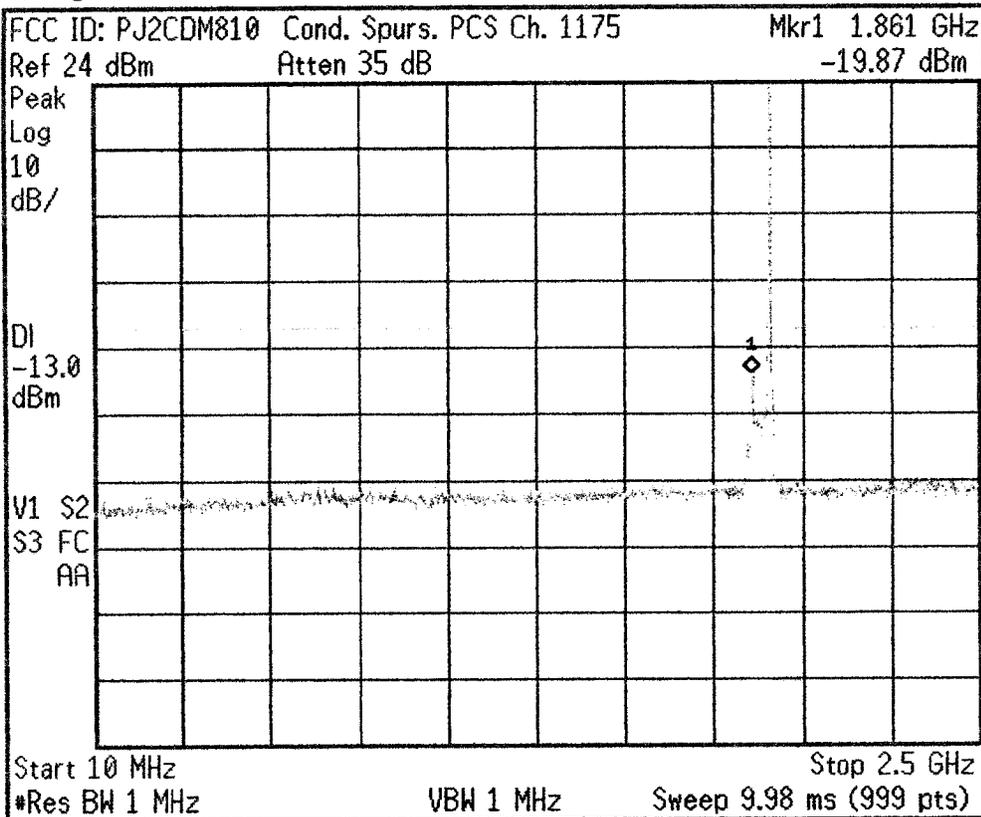
Stop Freq
20.0000000 GHz

CF Step
1.75000000 GHz
Auto Man

Freq Offset
0.00000000 Hz

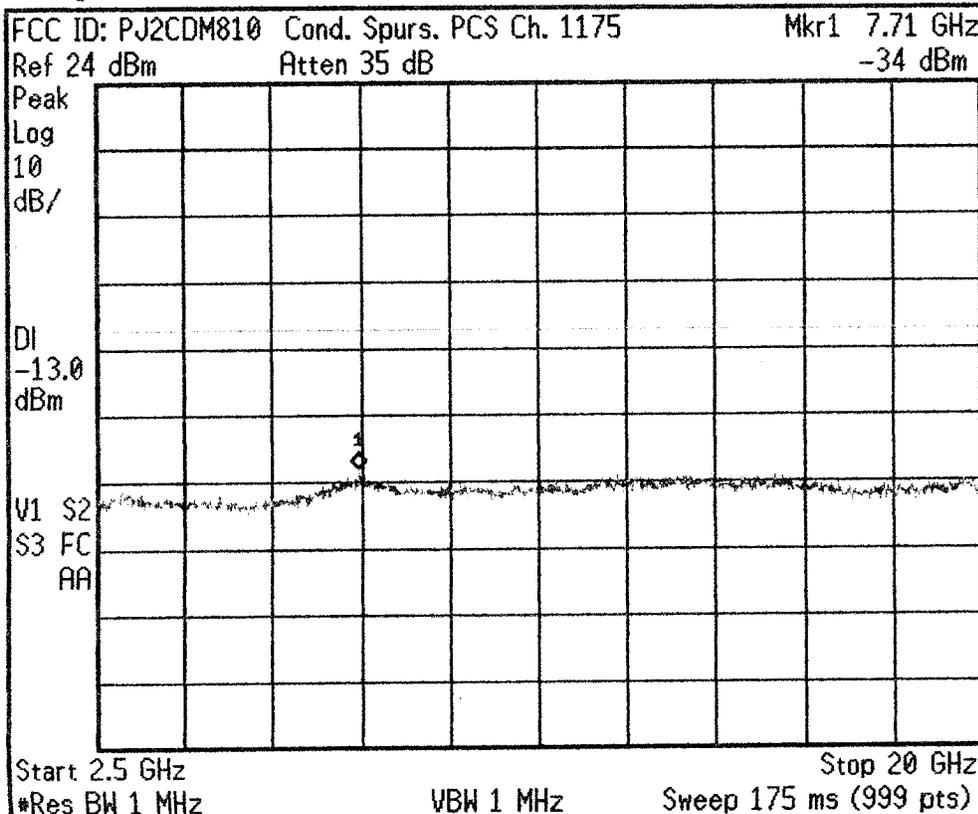
Signal Track
On Off

* Agilent 10:55:20 Mar 21, 2001



Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.5000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

* Agilent 10:56:01 Mar 21, 2001



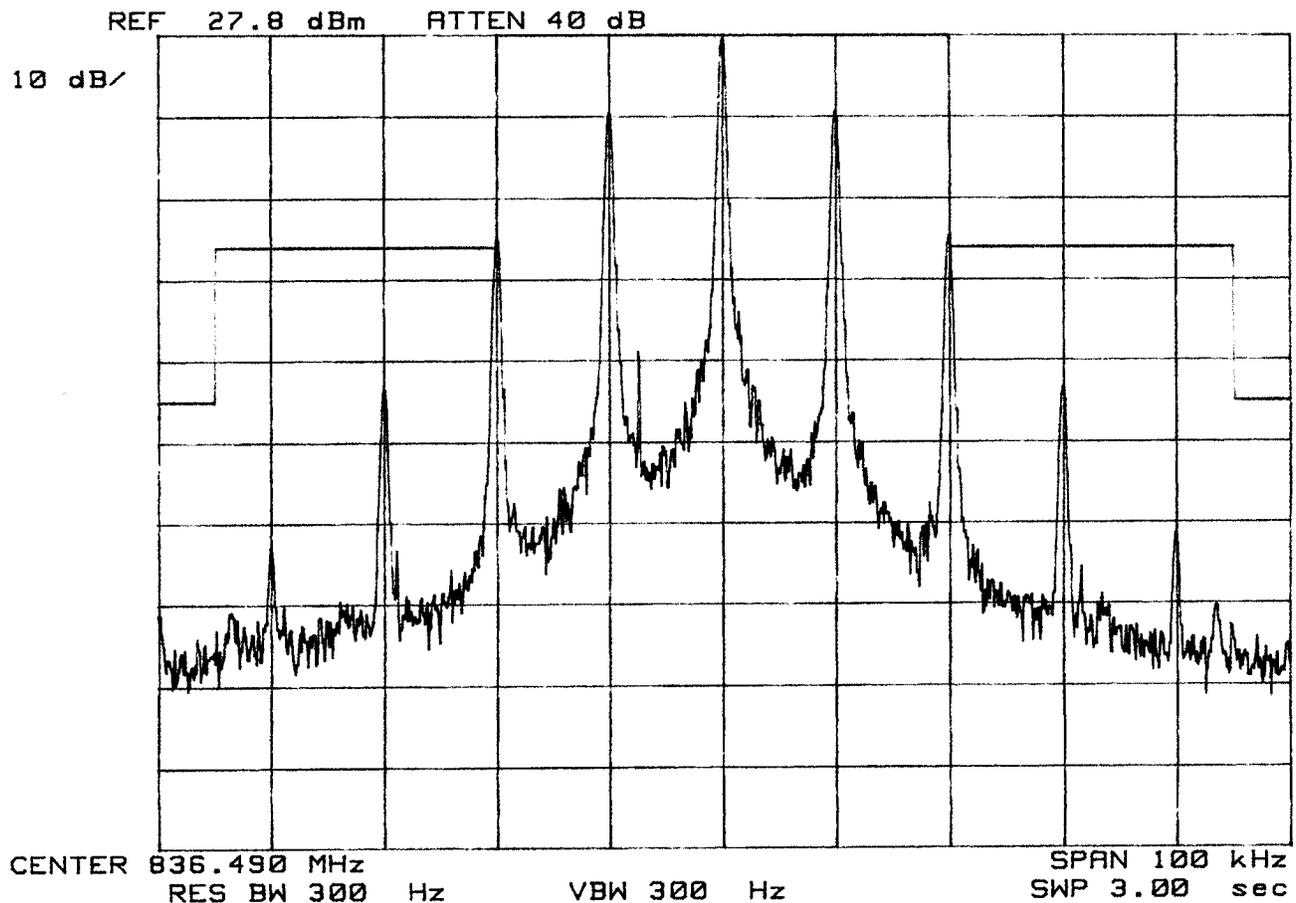
Freq/Channel
Center Freq 11.2500000 GHz
Start Freq 2.50000000 GHz
Stop Freq 20.0000000 GHz
CF Step 1.75000000 GHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: CDM810
TRI-MODE DATA MODEM
FM MODE
CH-0383
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode:ST

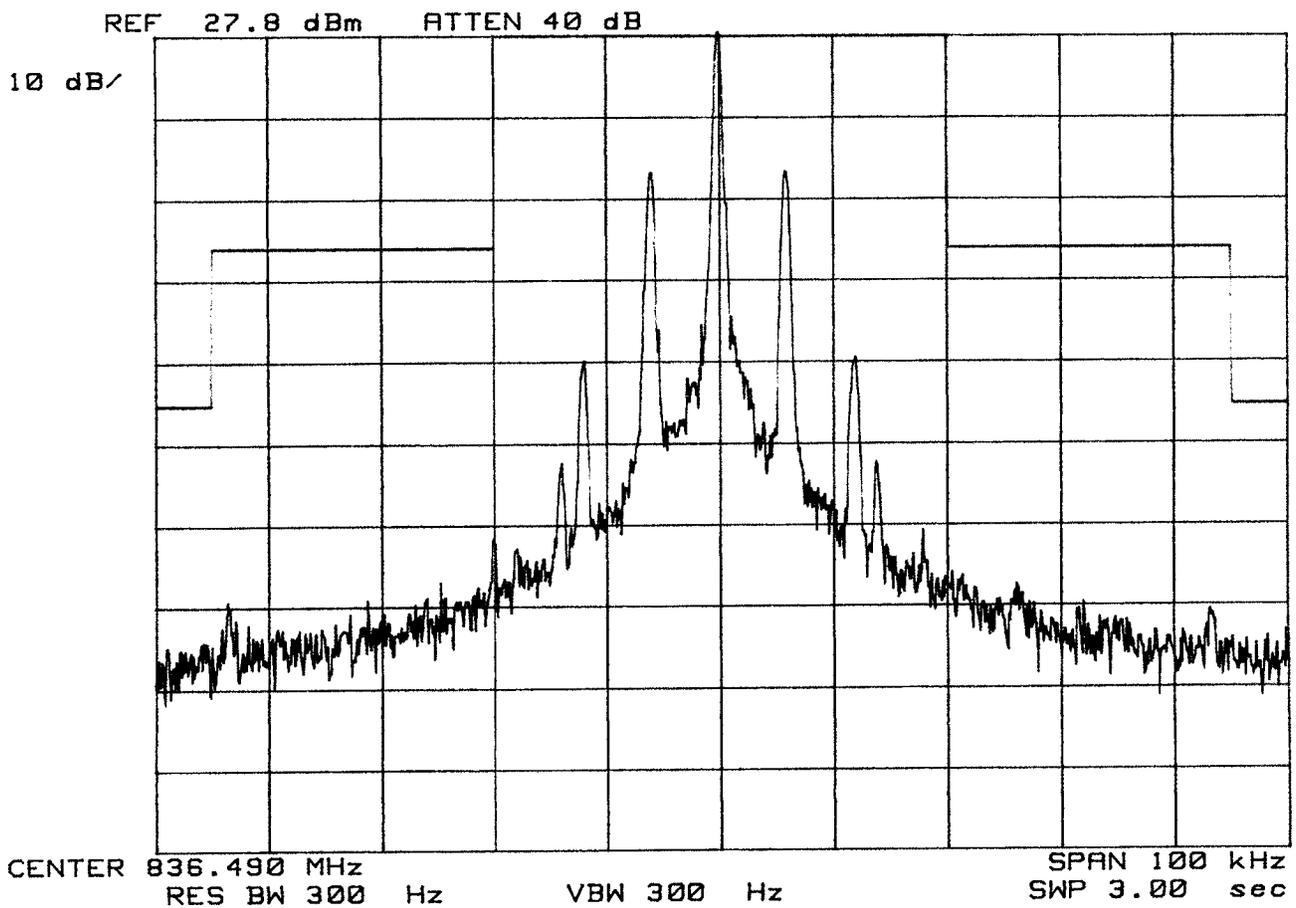


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: CDM810
TRI-MODE DATA MODEM
FM MODE
CH-0383
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode: SAT

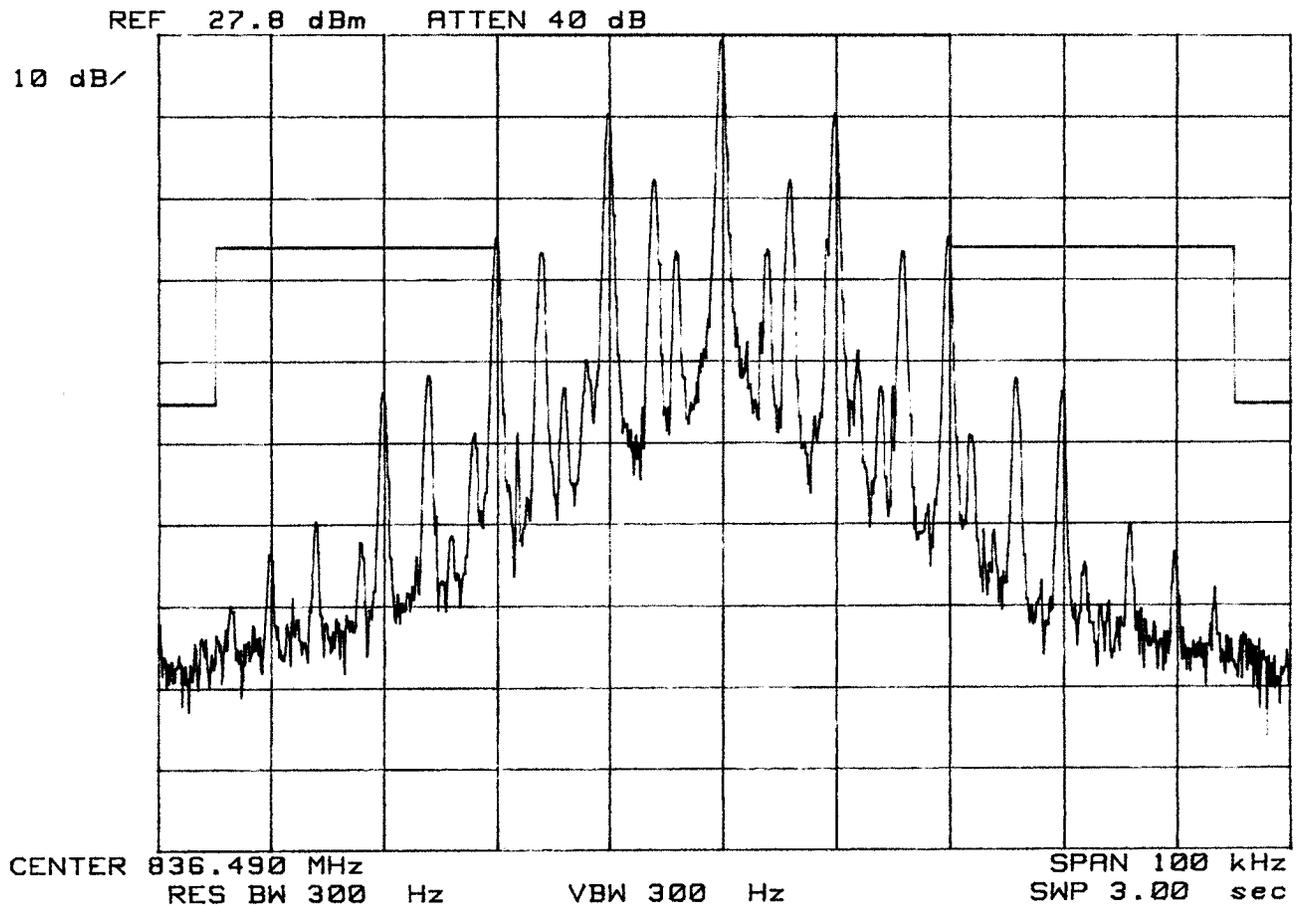


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: CDM810
TRI-MODE DATA MODEM
FM MODE
CH-0383
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode: SAT + ST

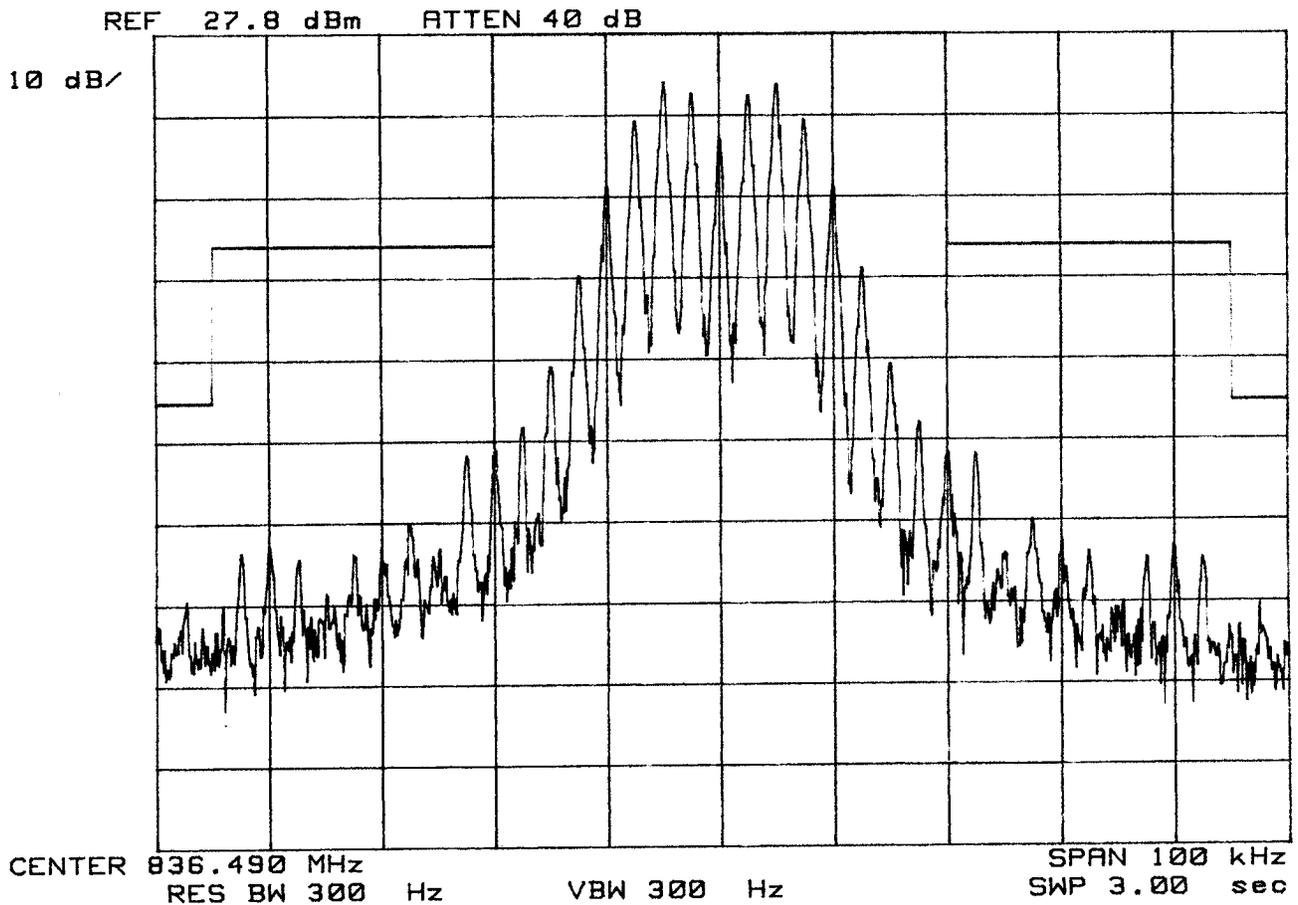


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: CDM810
TRI-MODE DATA MODEM
FM MODE
CH-0383
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode:Voice

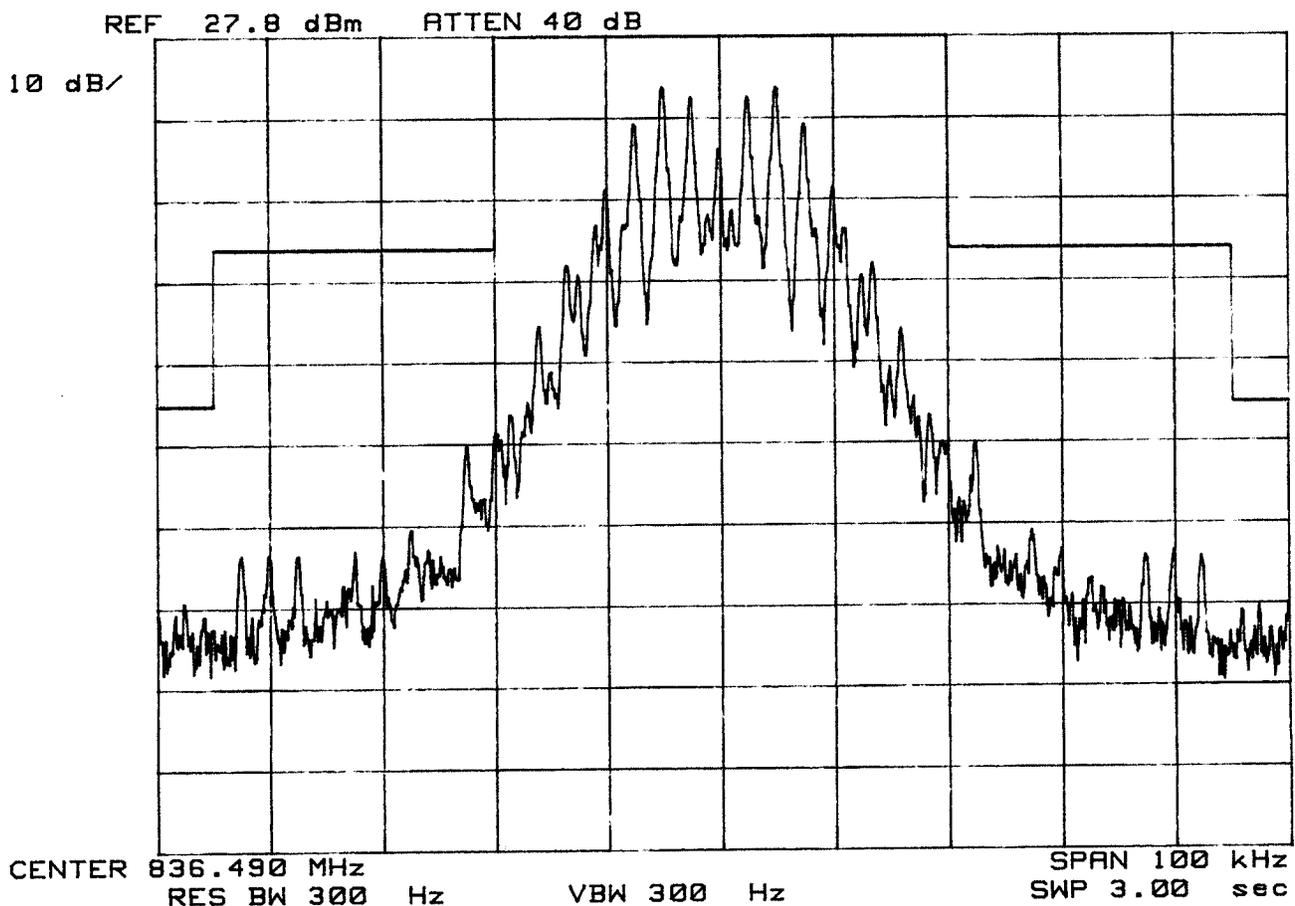


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: CDM810
TRI-MODE DATA MODEM
FM MODE
CH-0383
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode: SAT + Voice

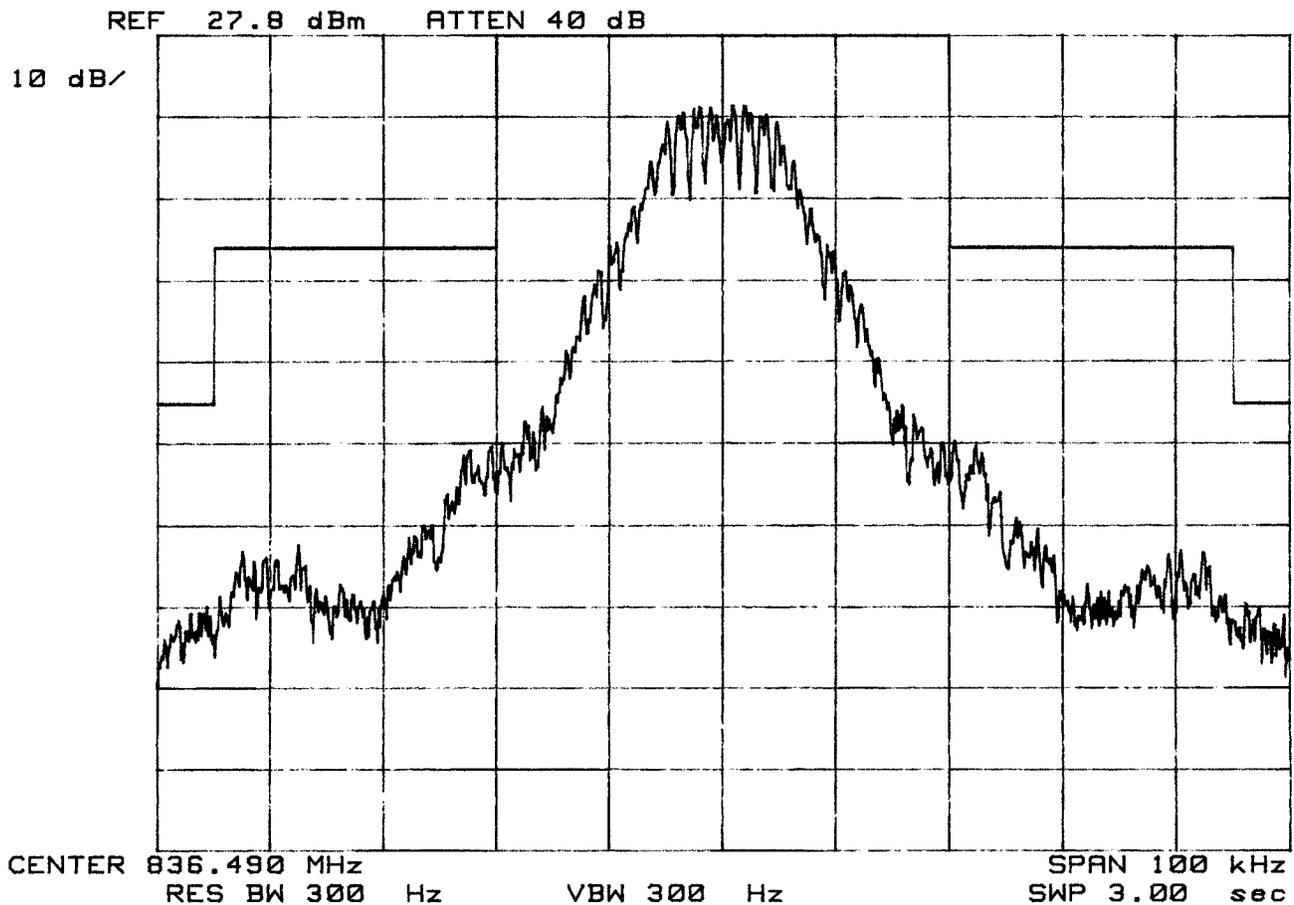


PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: CDM810
TRI-MODE DATA MODEM
FM MODE
CH-0383
Operating Frequency: 836.490 MHz
Output Power : 27.8 dBm

Test Mode: SAT + DTMF



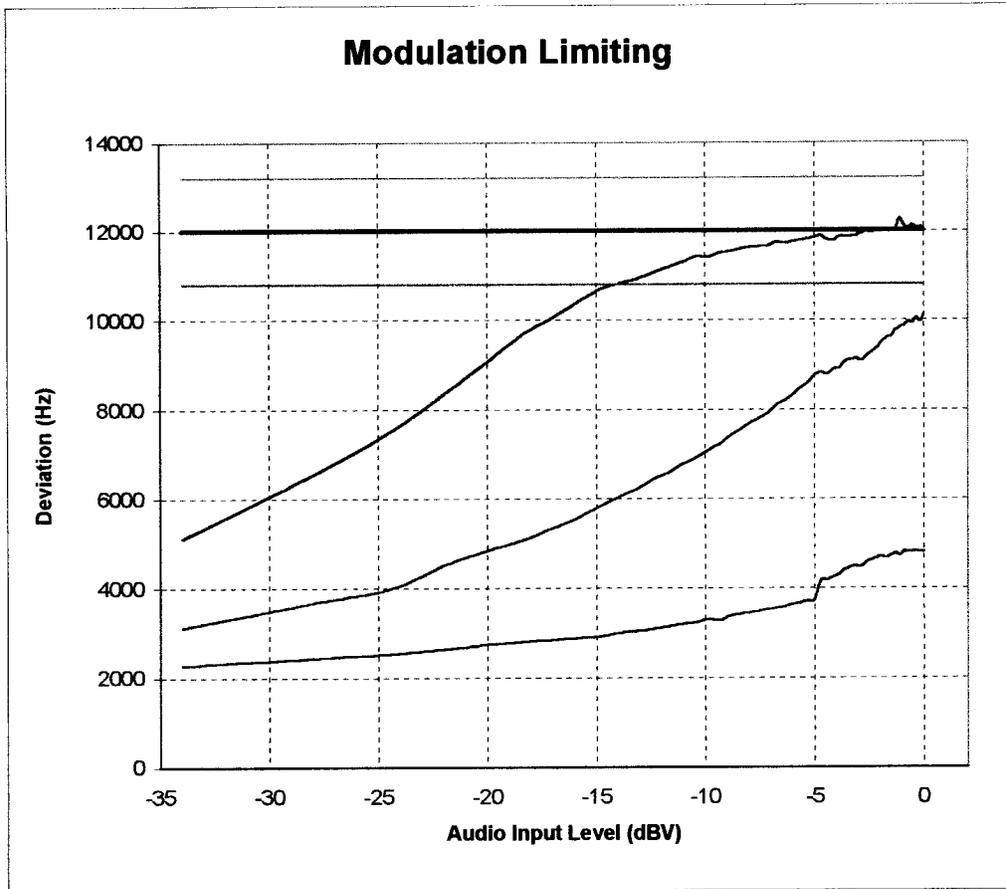
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 24/22.210319160.PJ2
Test Date: 03.19.2001

EUT: SEMAX Tri-Mode Analog/PCS Wireless Data Modem (AMPS/CDMA)
Model: CDM-810
FCC ID: PJ2CDM810

REFERENCE: 1 kHz = 0 dB



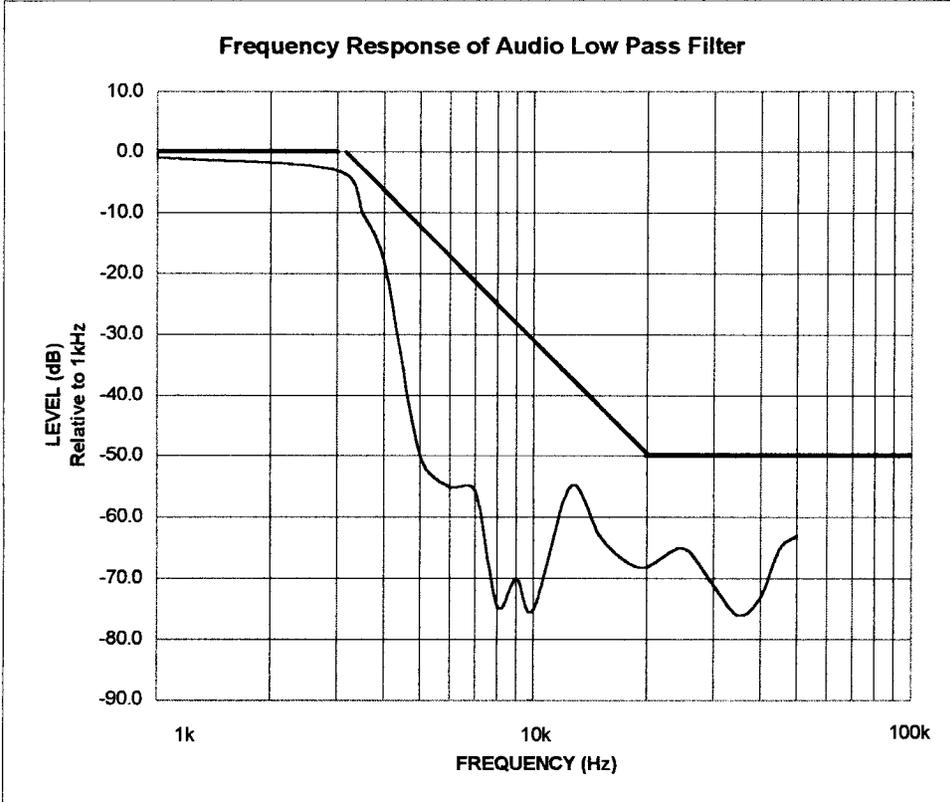
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