

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

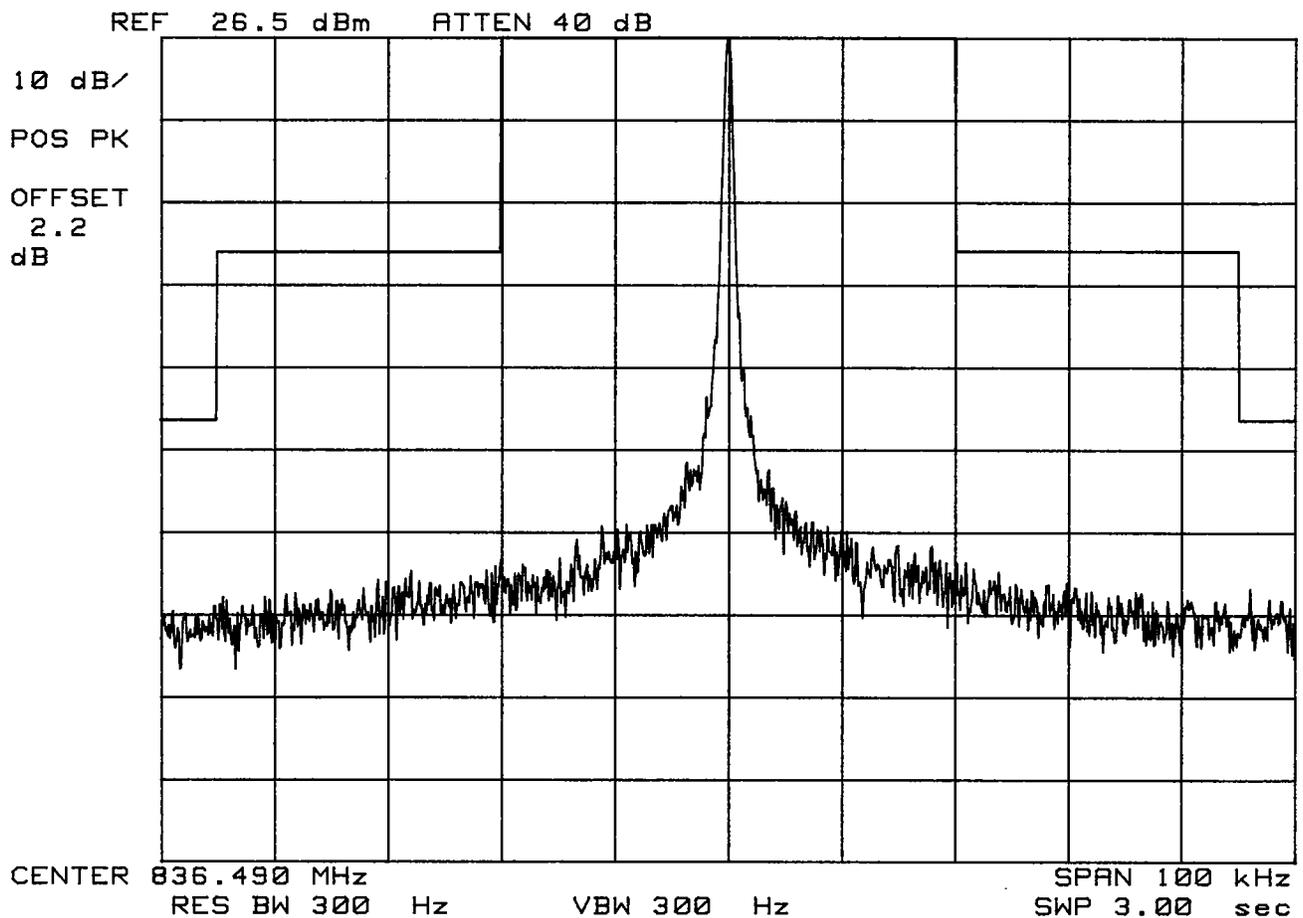
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Unmodulated Signal



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

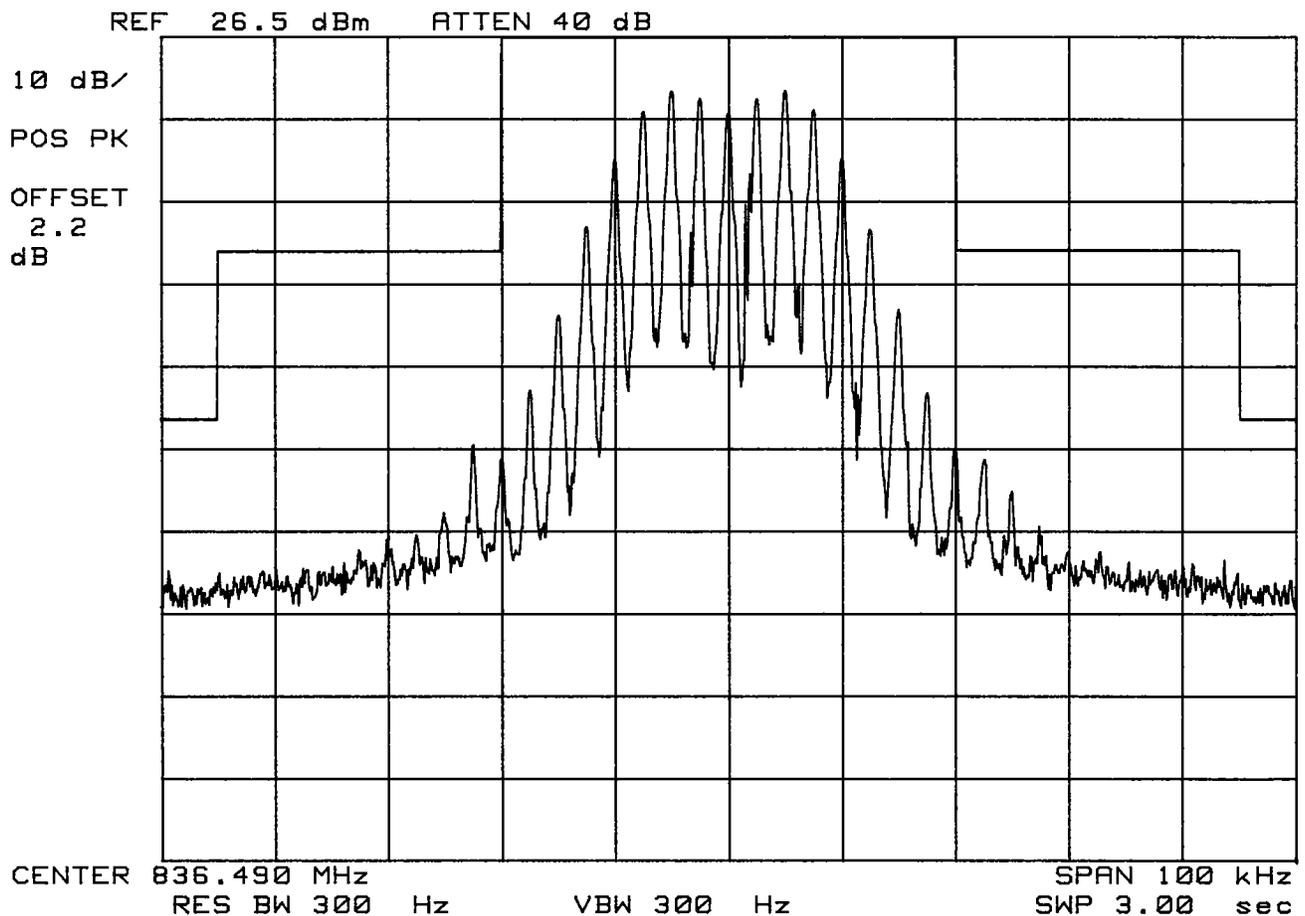
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

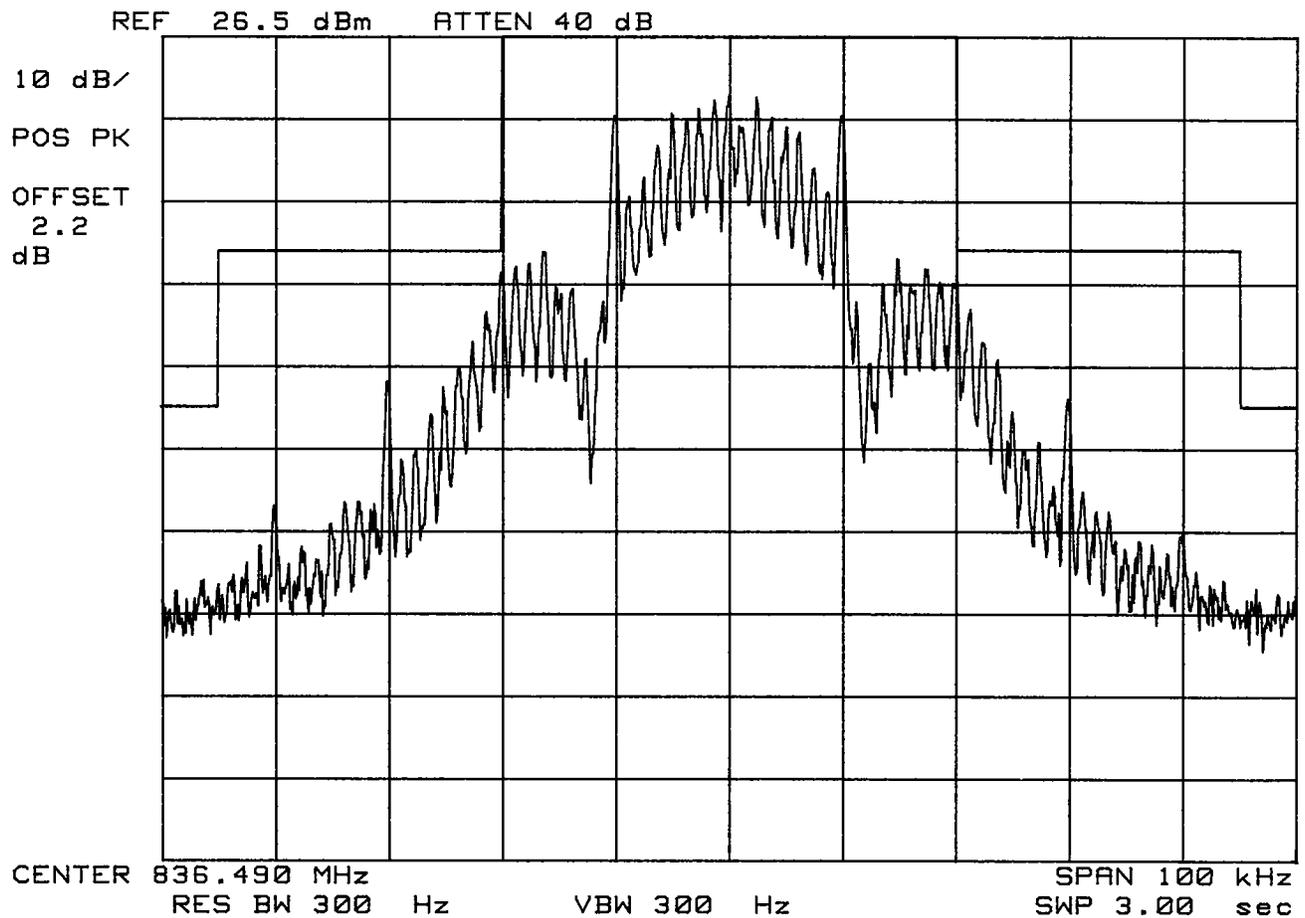
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:Wide Band Data



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

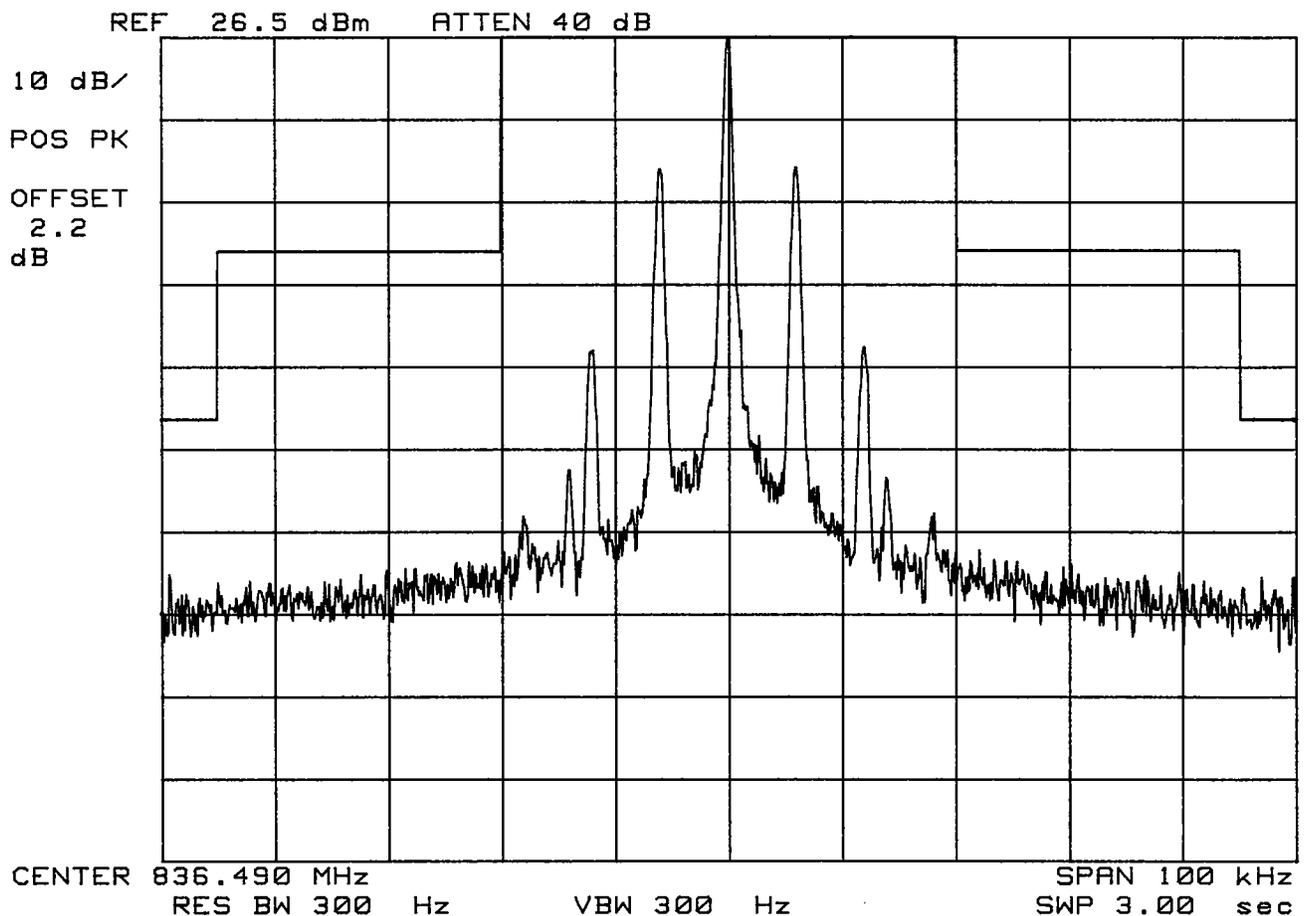
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

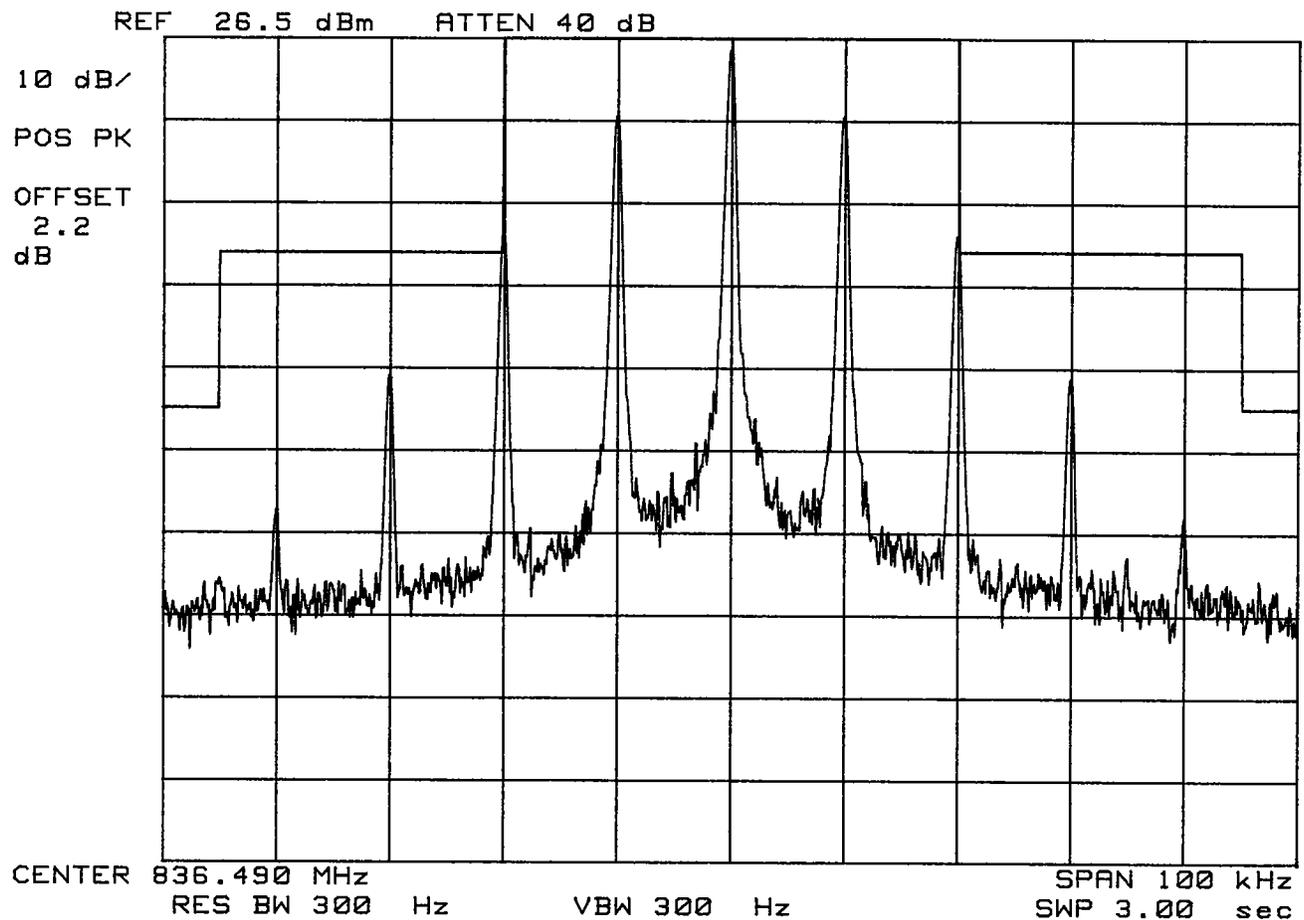
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

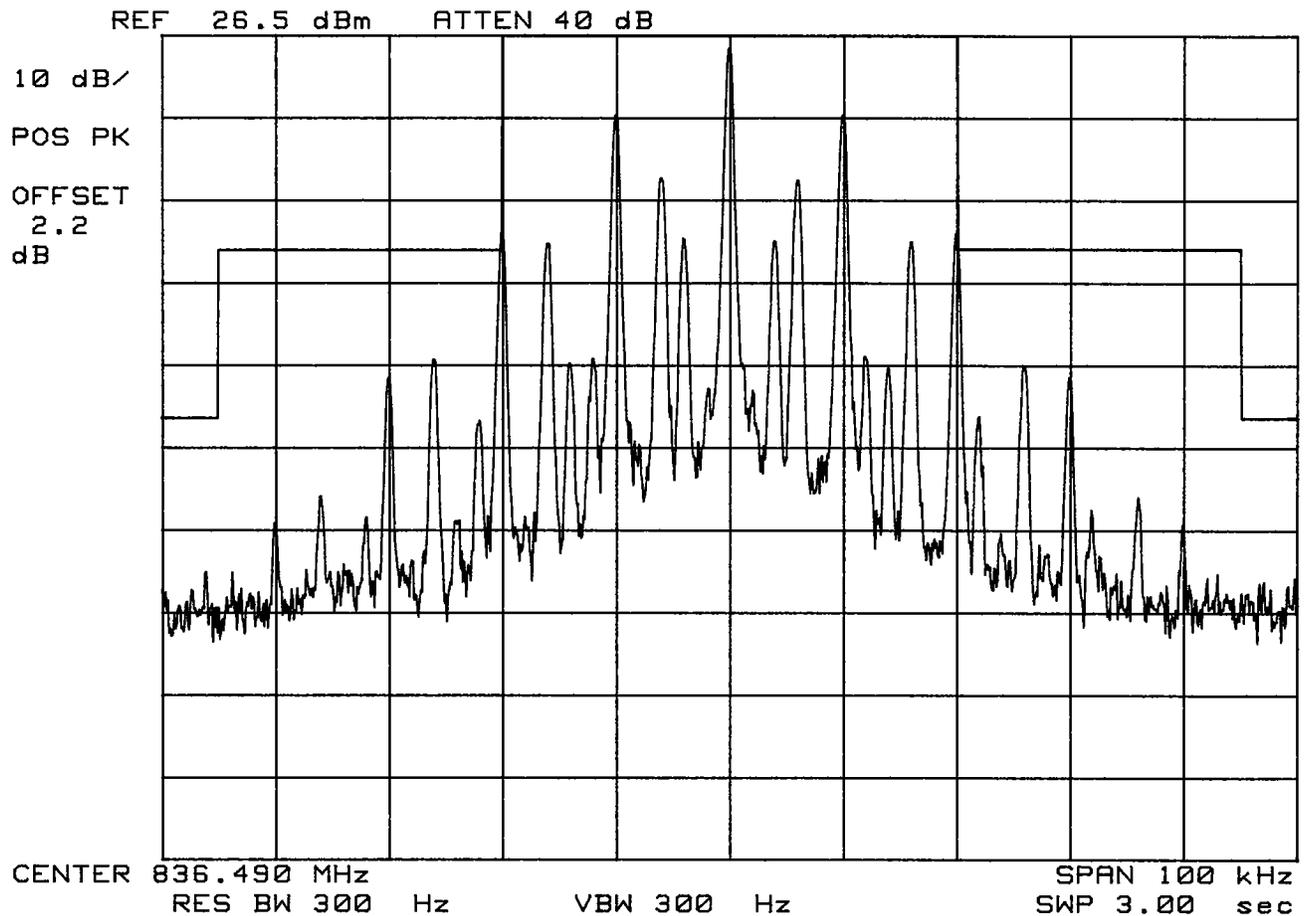
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT + ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHI330

SAMSUNG

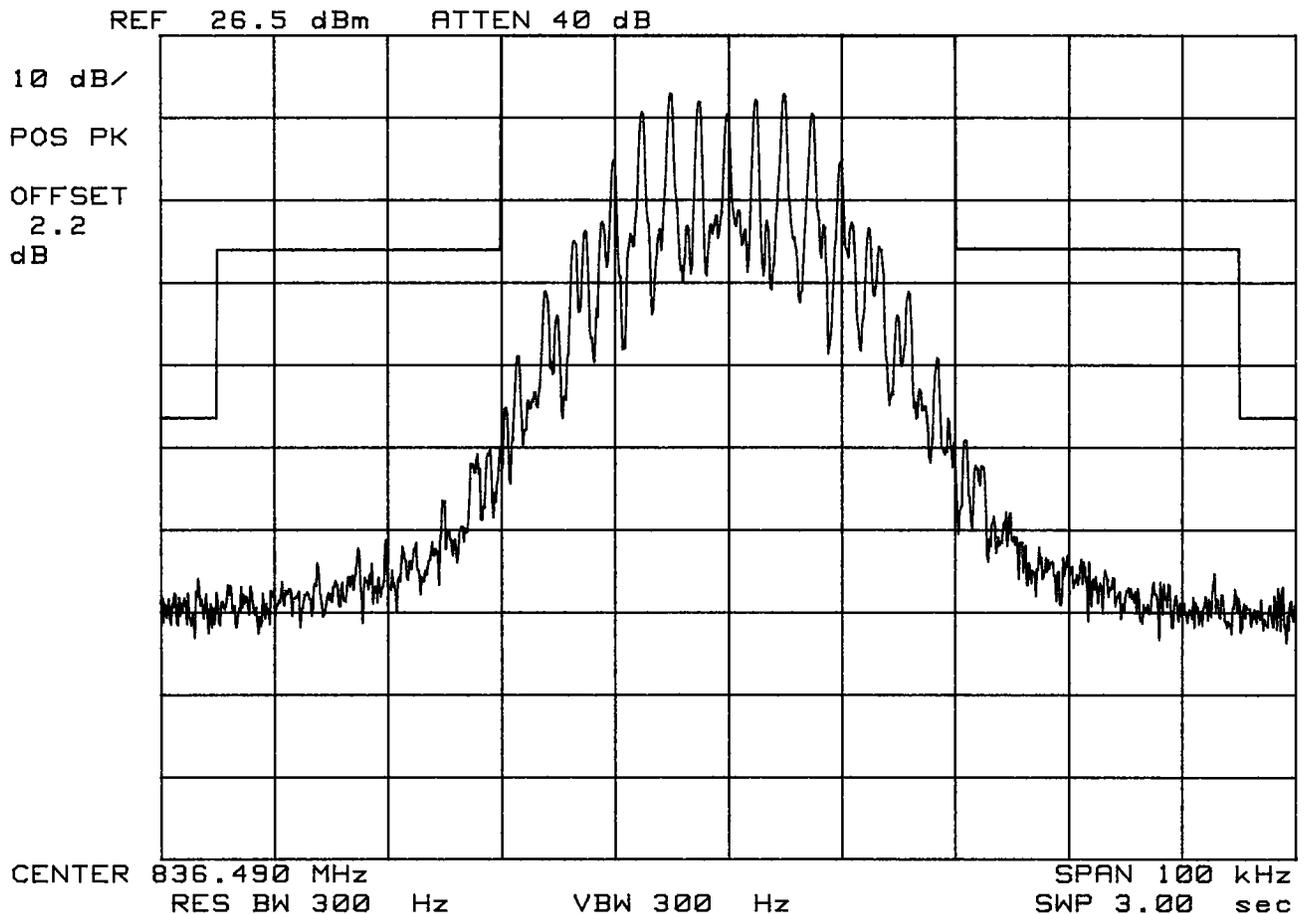
Tri-Mode Phone

FM Channel 383

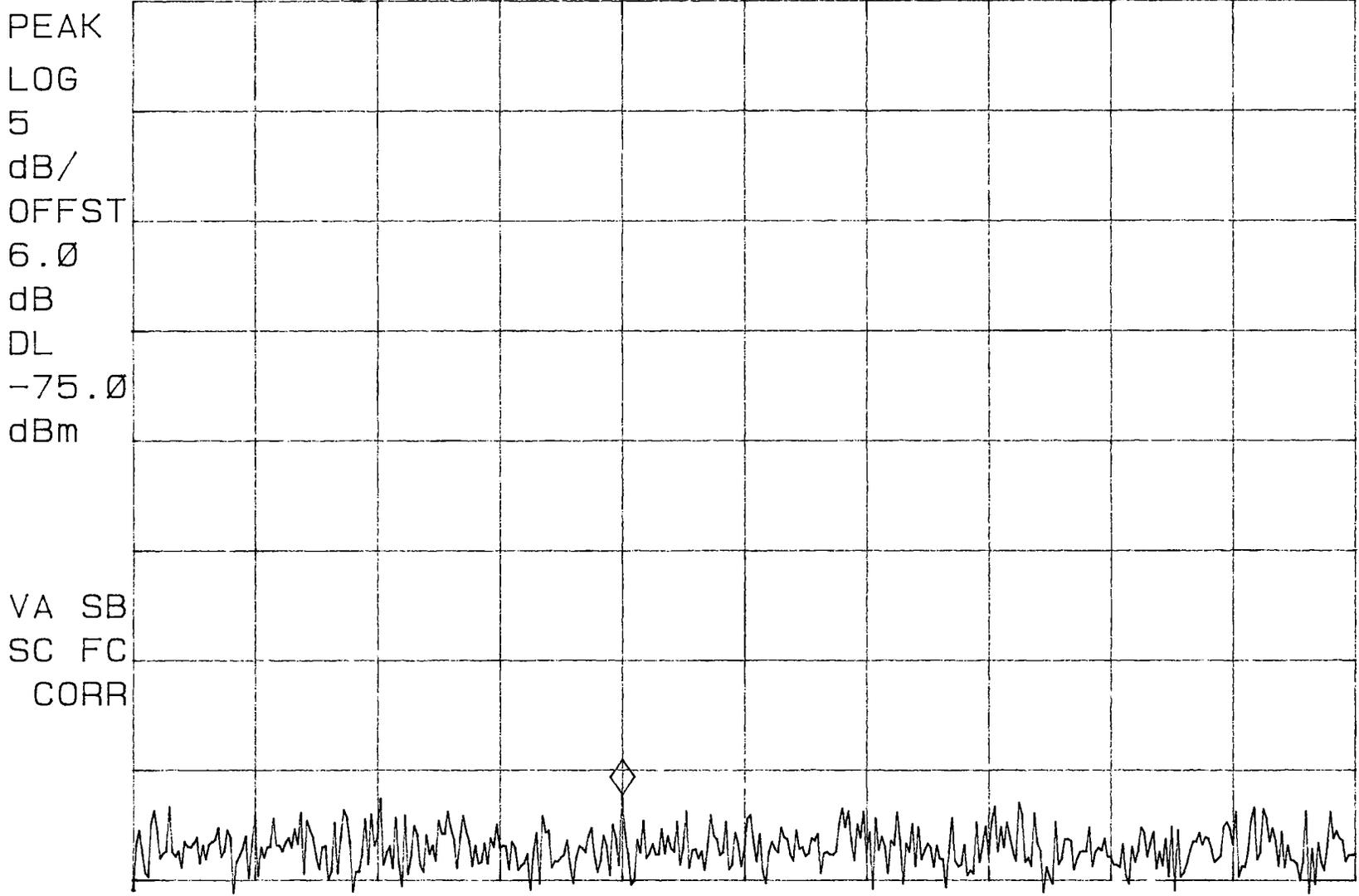
Operating Frequency: 836.490 MHz

Output Power : 26.5 dBm

Test Mode:SAT + Voice

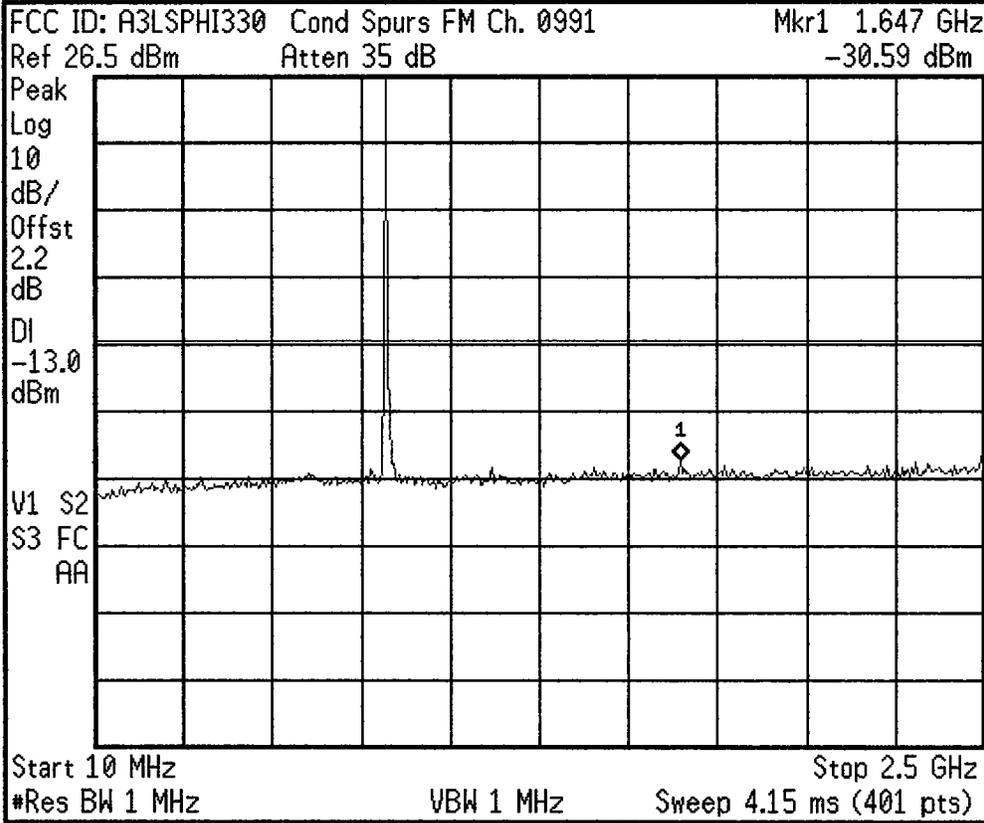


FCC ID: A3LSPHI330 FM MODE MKR 879.00 MHz  
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -96.09 dBm



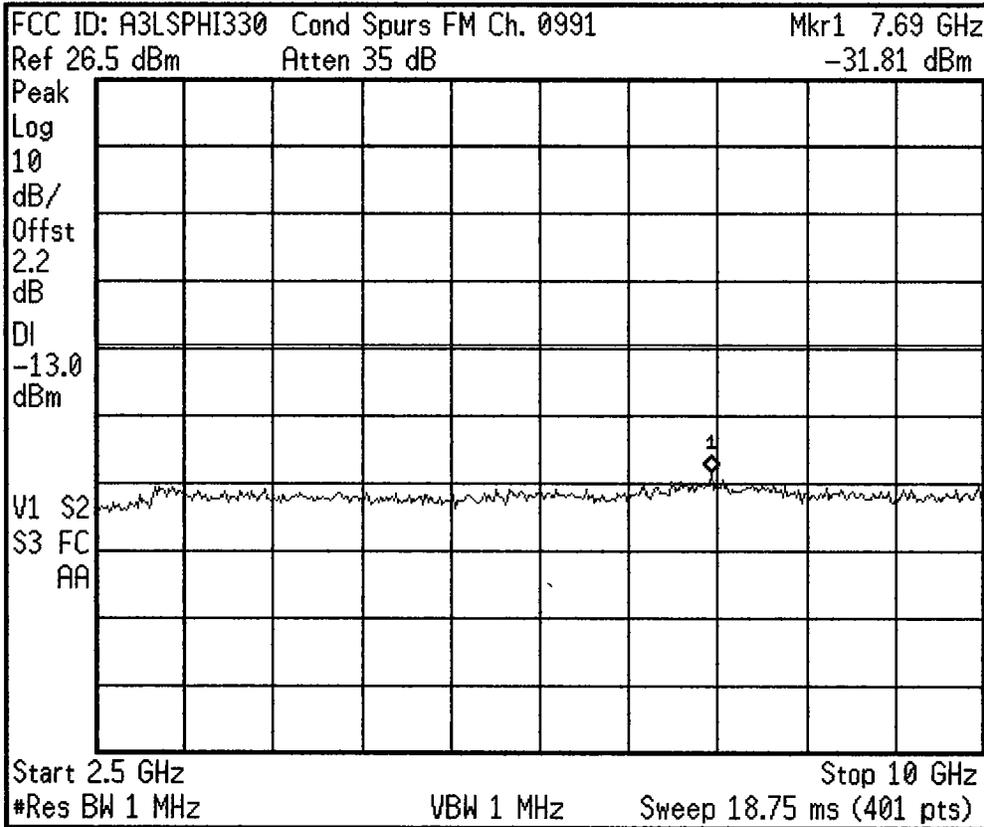
START 869.00 MHz STOP 894.00 MHz  
#RES BW 100 kHz #VBW 300 kHz SWP 20 msec

\* Agilent



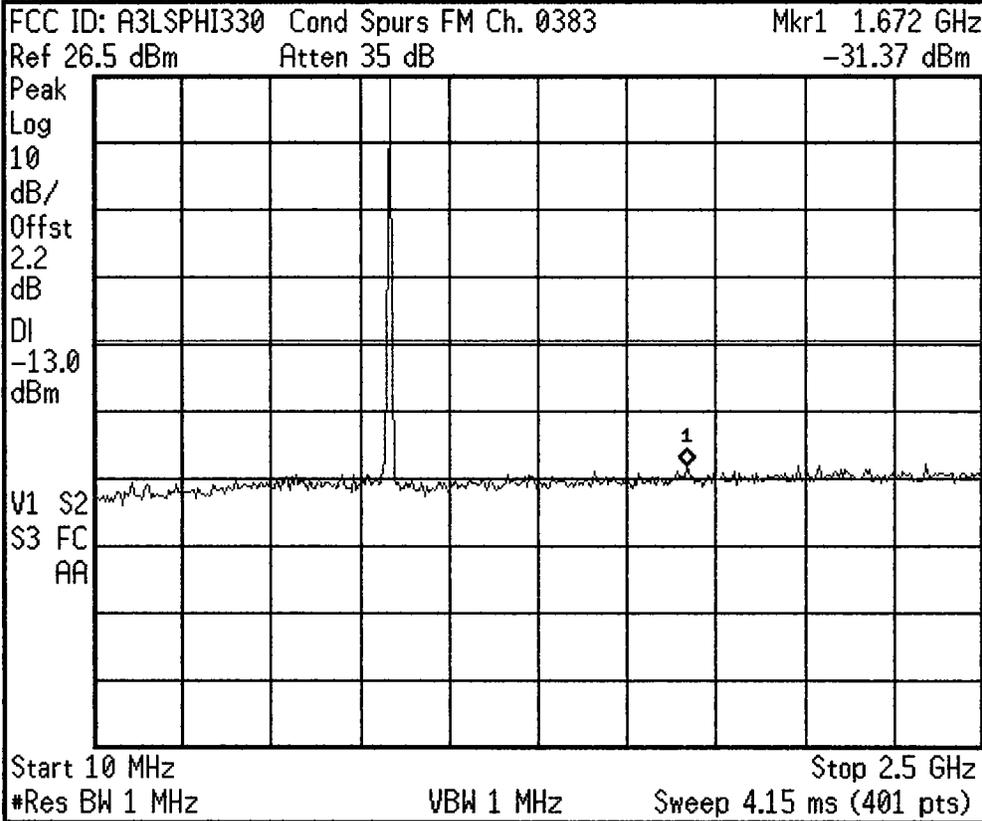
<b>Freq/Channel</b>
<b>Center Freq</b> 1.25500000 GHz
<b>Start Freq</b> 10.0000000 MHz
<b>Stop Freq</b> 2.50000000 GHz
<b>CF Step</b> 249.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent



<b>Freq/Channel</b>
<b>Center Freq</b> 6.25000000 GHz
<b>Start Freq</b> 2.50000000 GHz
<b>Stop Freq</b> 10.0000000 GHz
<b>CF Step</b> 750.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

Agilent



Freq/Channel

Center Freq  
1.25500000 GHz

Start Freq  
10.0000000 MHz

Stop Freq  
2.50000000 GHz

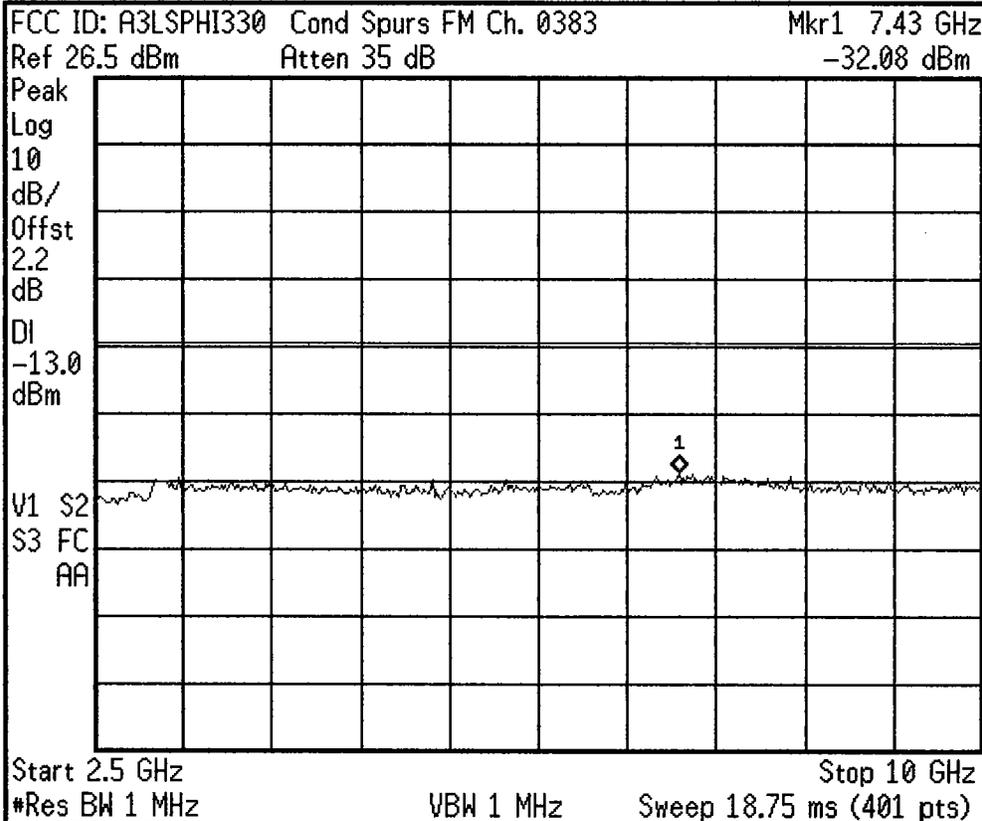
CF Step  
249.000000 MHz  
Auto Man

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

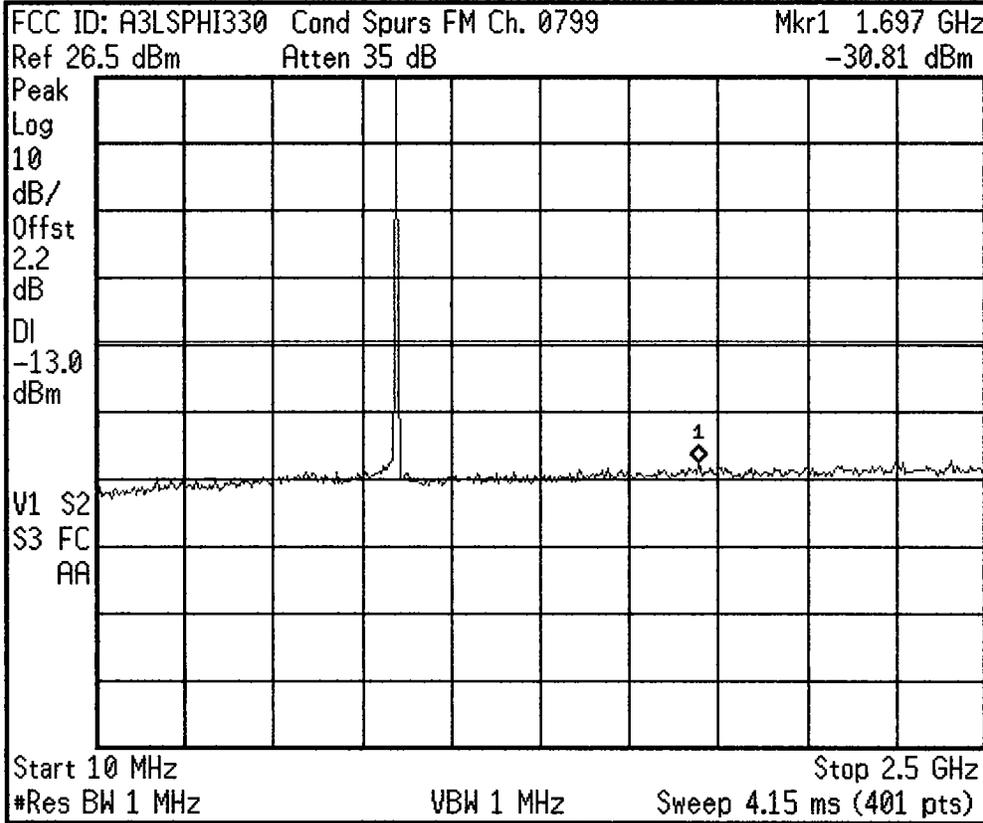
CF Step  
750.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
1.25500000 GHz

Start Freq  
10.0000000 MHz

Stop Freq  
2.50000000 GHz

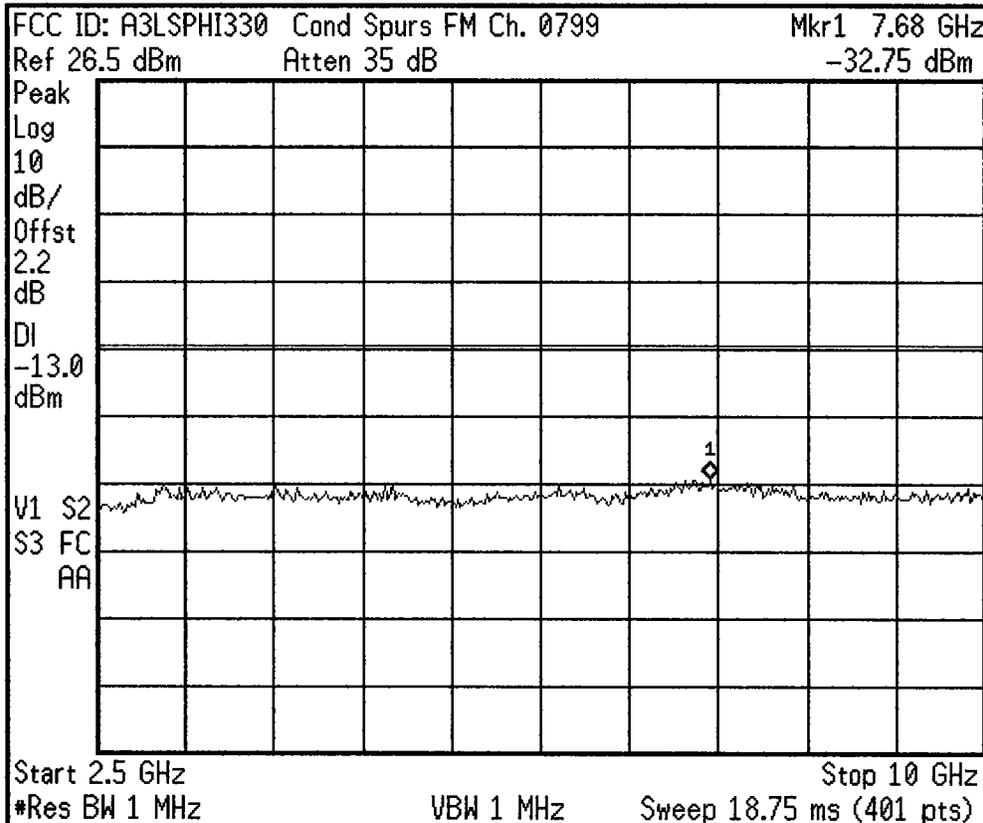
CF Step  
249.000000 MHz  
Auto Man

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

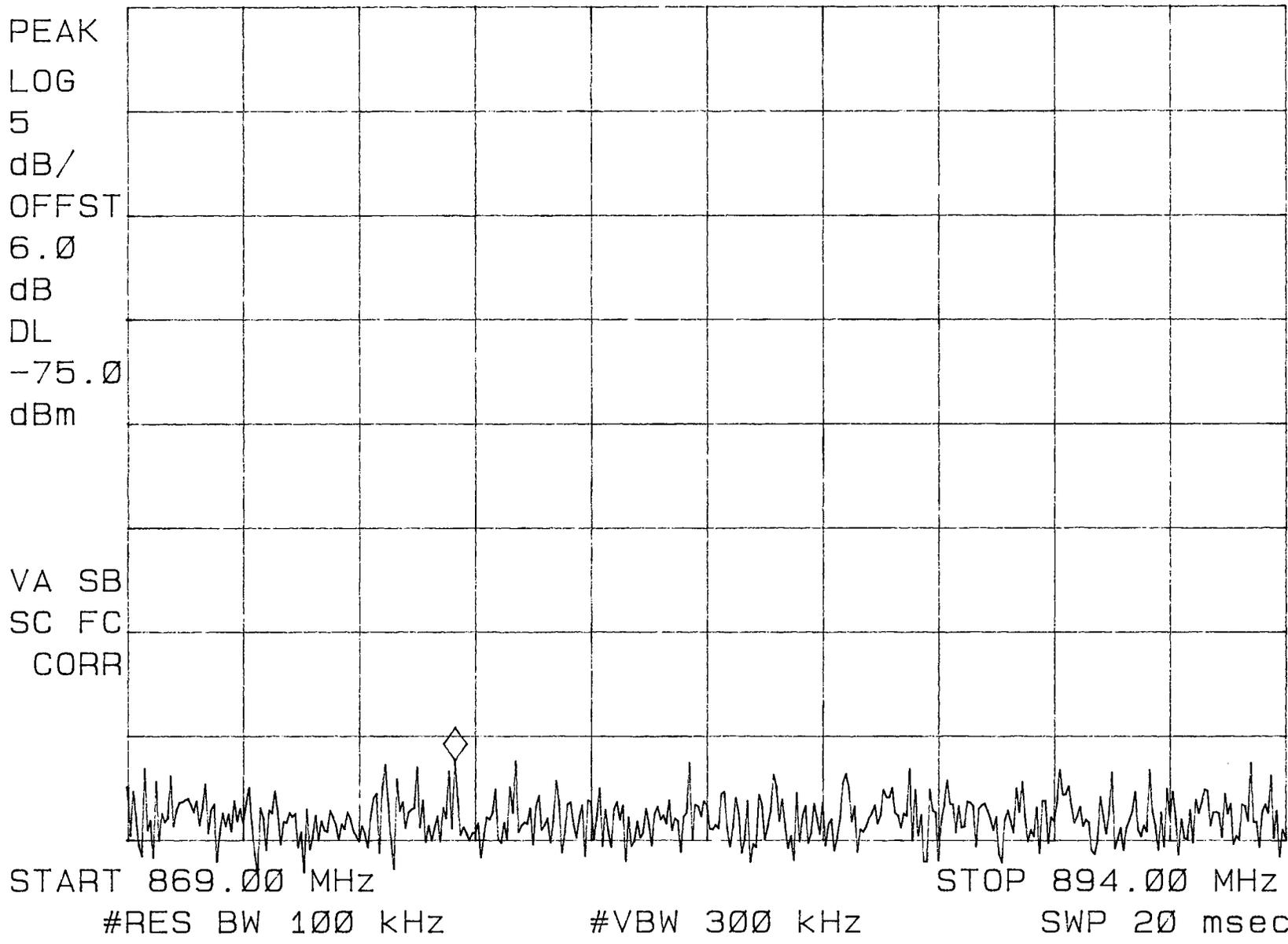
CF Step  
750.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

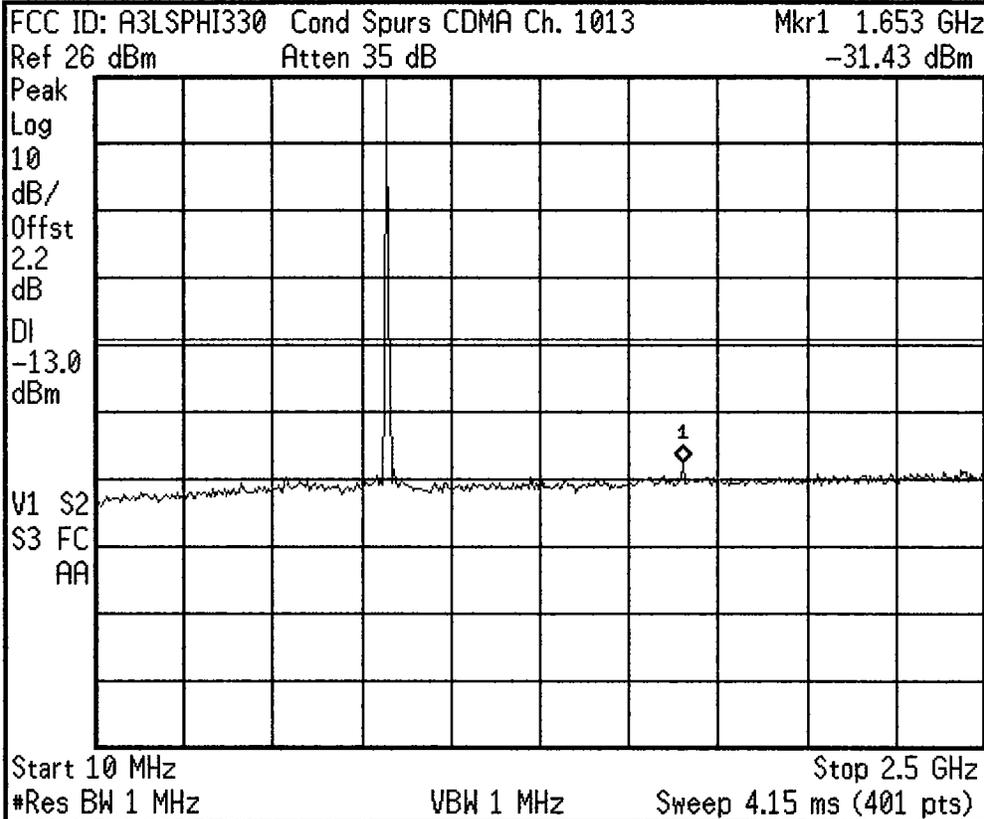
Signal Track  
On Off

Scale Type  
Log Lin

FCC ID: A3LSPHI330 CDMA MODE MKR 876.06 MHz  
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -96.17 dBm

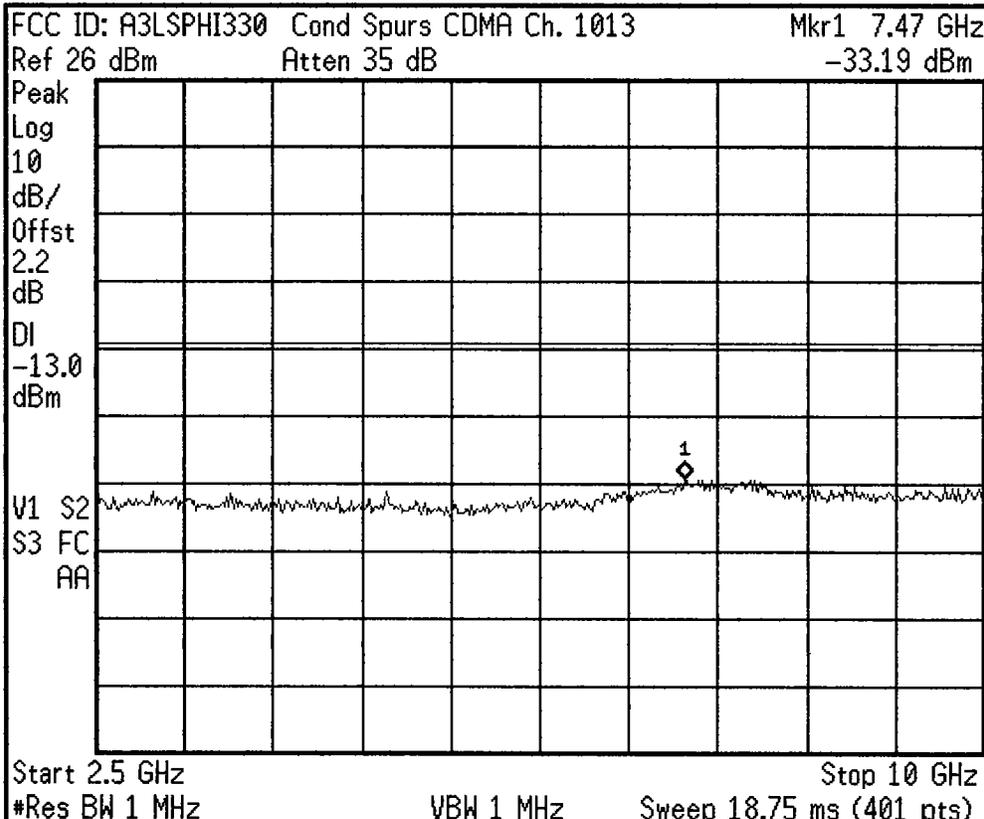


\* Agilent



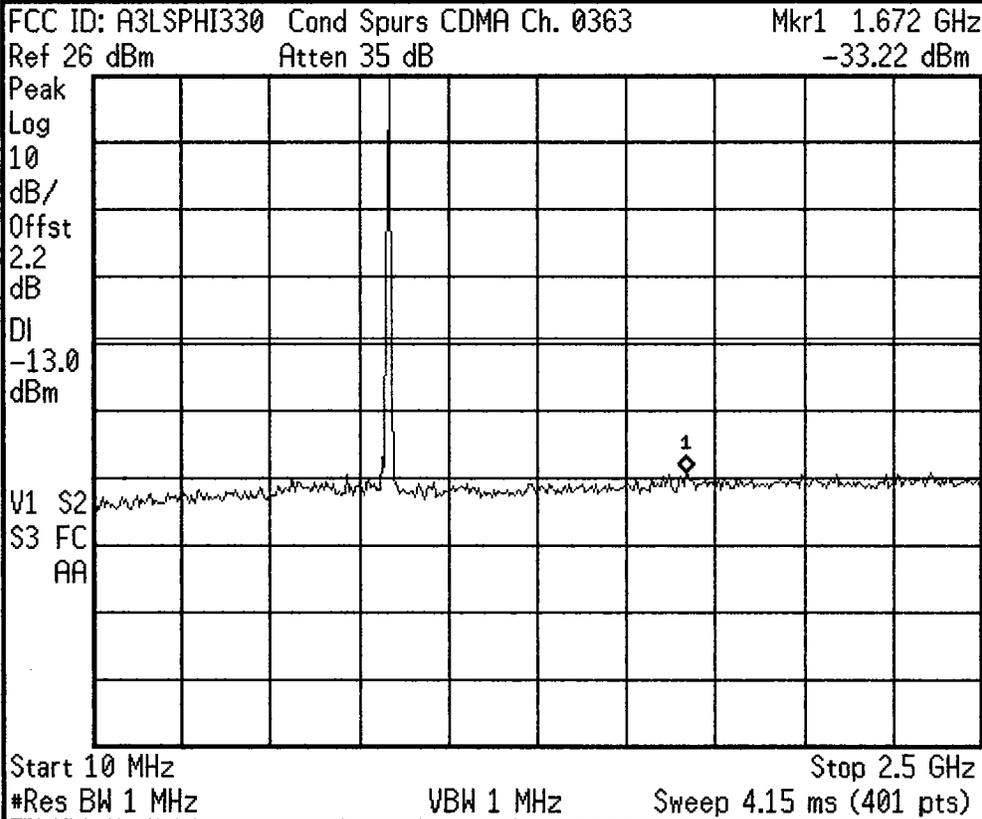
<b>Freq/Channel</b>
<b>Center Freq</b> 1.25500000 GHz
<b>Start Freq</b> 10.0000000 MHz
<b>Stop Freq</b> 2.50000000 GHz
<b>CF Step</b> 249.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent



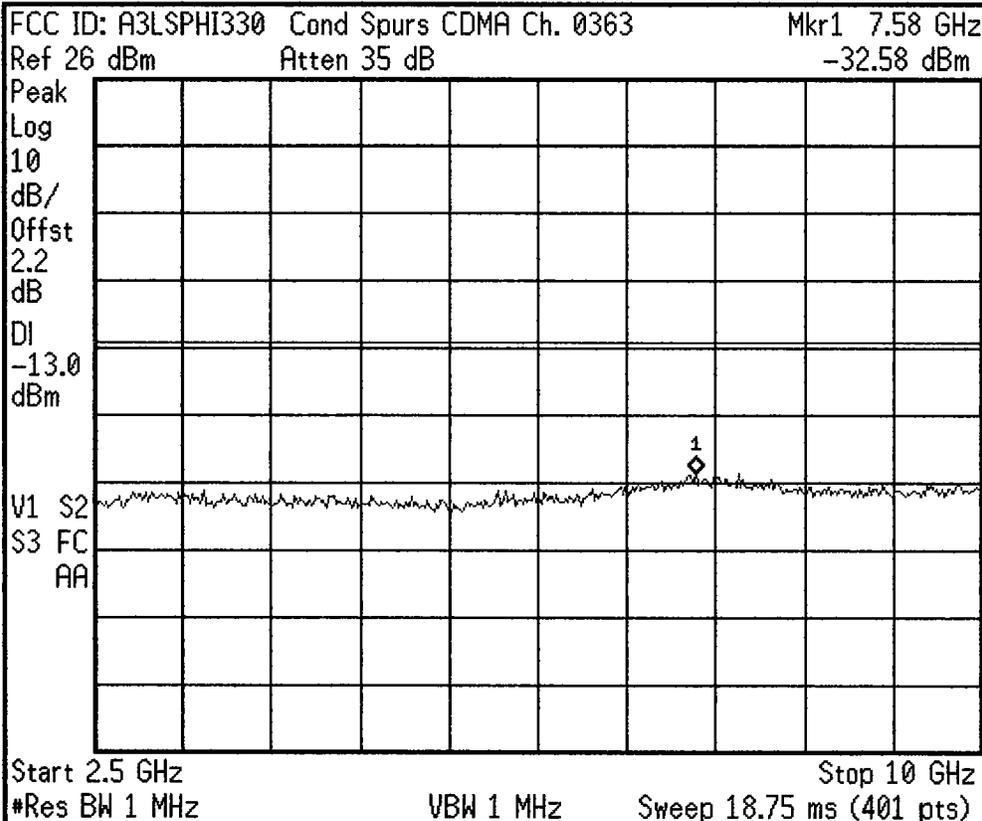
<b>Freq/Channel</b>
<b>Center Freq</b> 6.25000000 GHz
<b>Start Freq</b> 2.50000000 GHz
<b>Stop Freq</b> 10.0000000 GHz
<b>CF Step</b> 750.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

Agilent



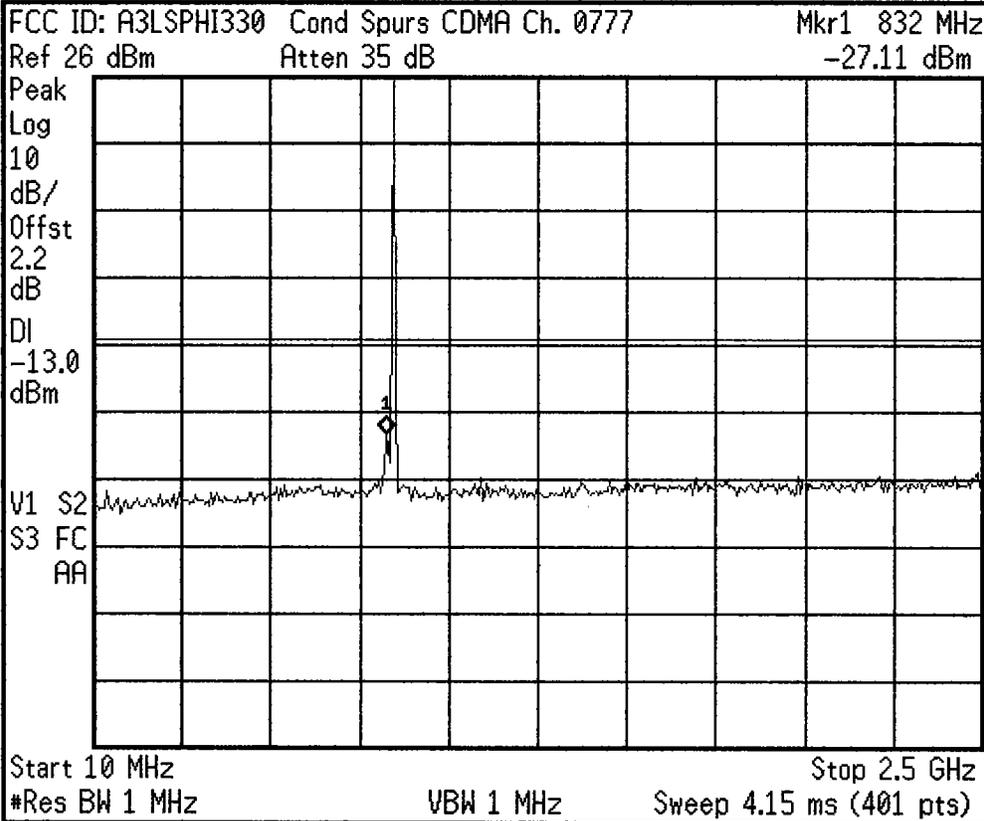
<b>Freq/Channel</b>
<b>Center Freq</b> 1.25500000 GHz
<b>Start Freq</b> 10.0000000 MHz
<b>Stop Freq</b> 2.50000000 GHz
<b>CF Step</b> 249.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

Agilent



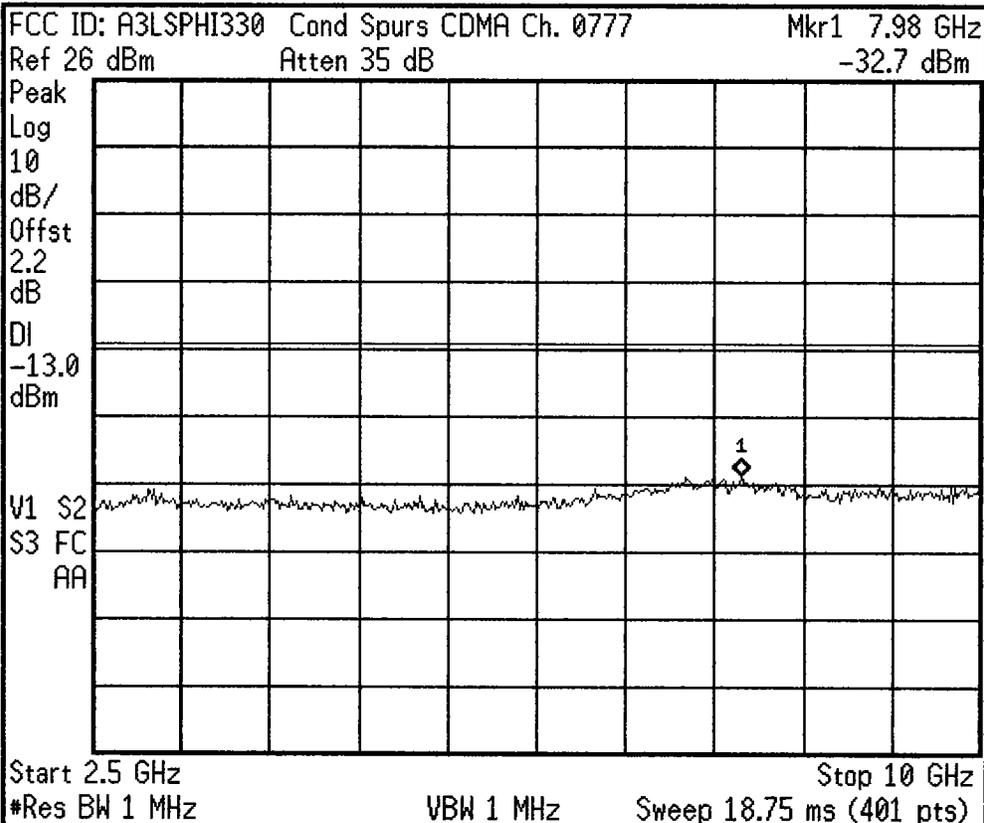
<b>Freq/Channel</b>
<b>Center Freq</b> 6.25000000 GHz
<b>Start Freq</b> 2.50000000 GHz
<b>Stop Freq</b> 10.0000000 GHz
<b>CF Step</b> 750.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

Agilent



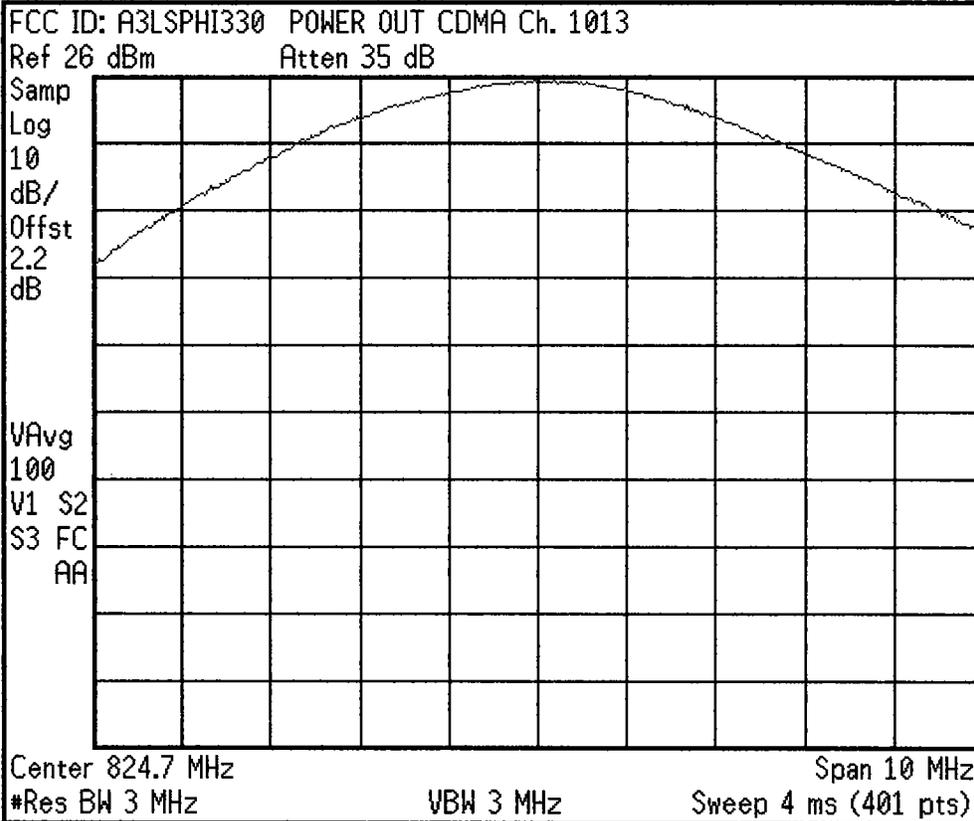
<b>Freq/Channel</b>
<b>Center Freq</b> 1.25500000 GHz
<b>Start Freq</b> 10.0000000 MHz
<b>Stop Freq</b> 2.50000000 GHz
<b>CF Step</b> 249.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

Agilent



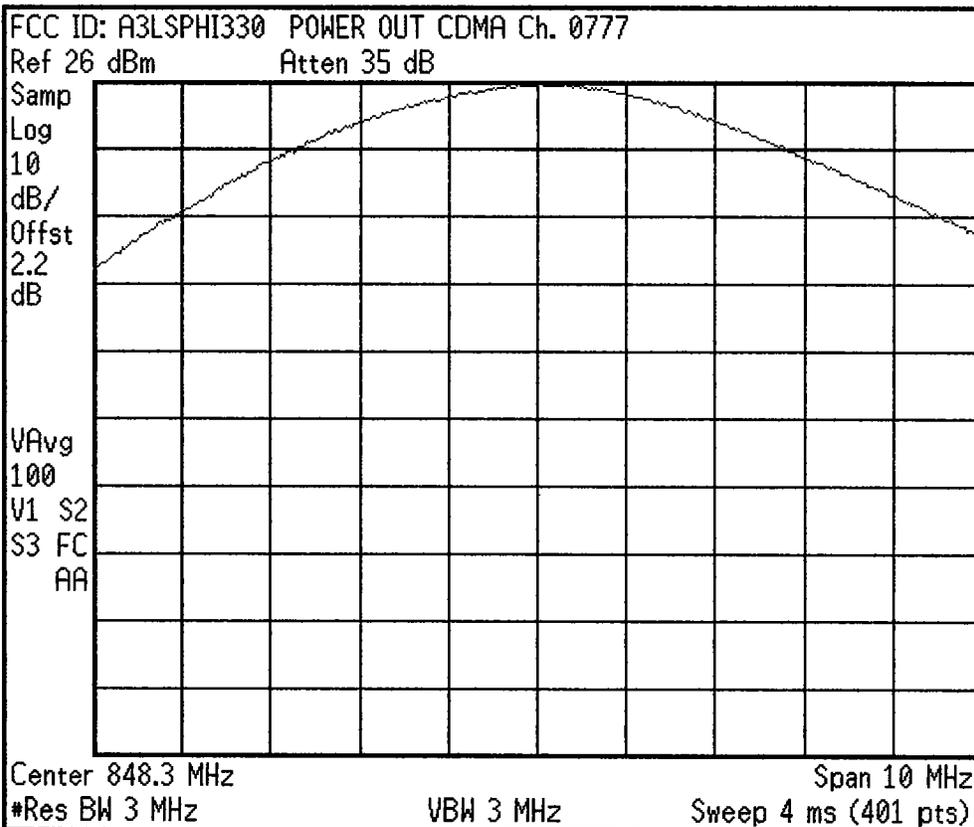
<b>Freq/Channel</b>
<b>Center Freq</b> 6.25000000 GHz
<b>Start Freq</b> 2.50000000 GHz
<b>Stop Freq</b> 10.0000000 GHz
<b>CF Step</b> 750.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent



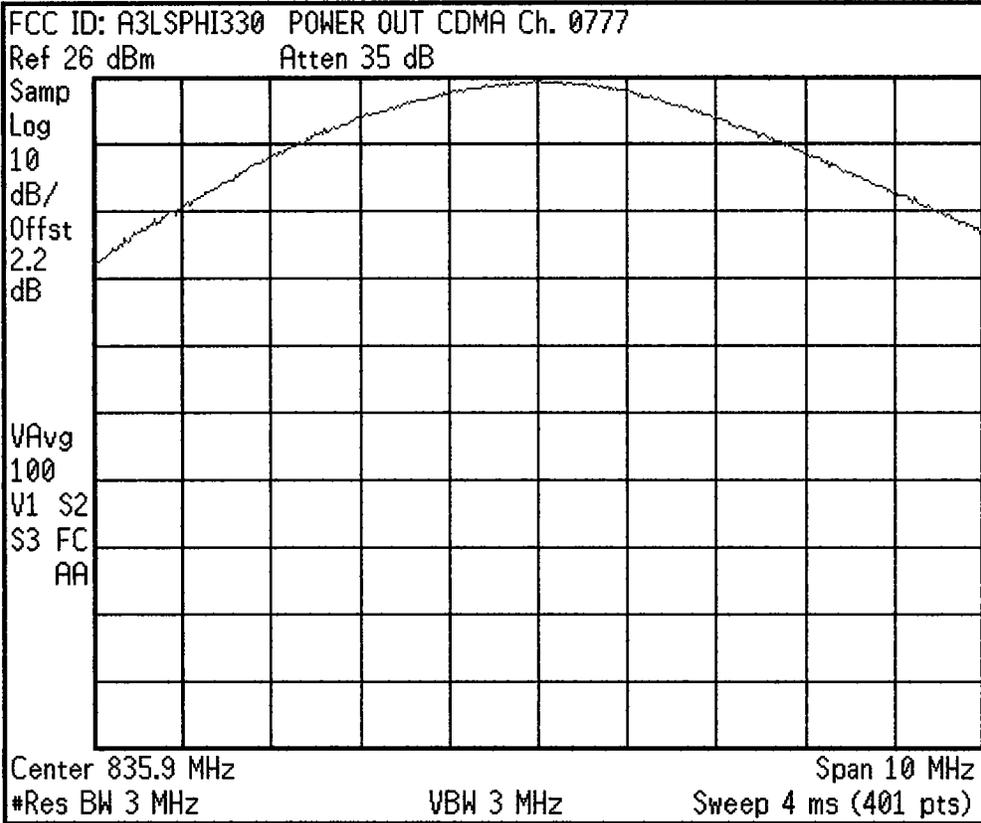
<b>Freq/Channel</b>
<b>Center Freq</b> 824.700000 MHz
<b>Start Freq</b> 819.700000 MHz
<b>Stop Freq</b> 829.700000 MHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

\* Agilent



<b>Freq/Channel</b>
<b>Center Freq</b> 848.300000 MHz
<b>Start Freq</b> 843.300000 MHz
<b>Stop Freq</b> 853.300000 MHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

\* Agilent



Freq/Channel

Center Freq  
835.900000 MHz

Start Freq  
830.900000 MHz

Stop Freq  
840.900000 MHz

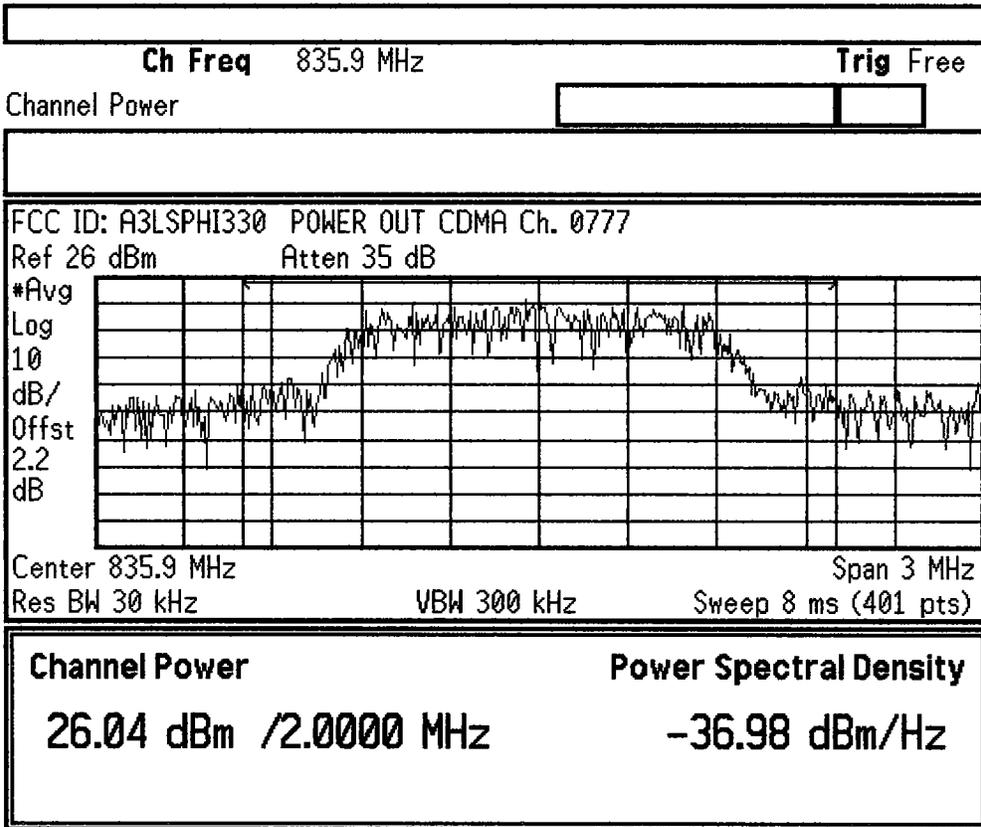
CF Step  
1.00000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
835.900000 MHz

Start Freq  
834.400000 MHz

Stop Freq  
837.400000 MHz

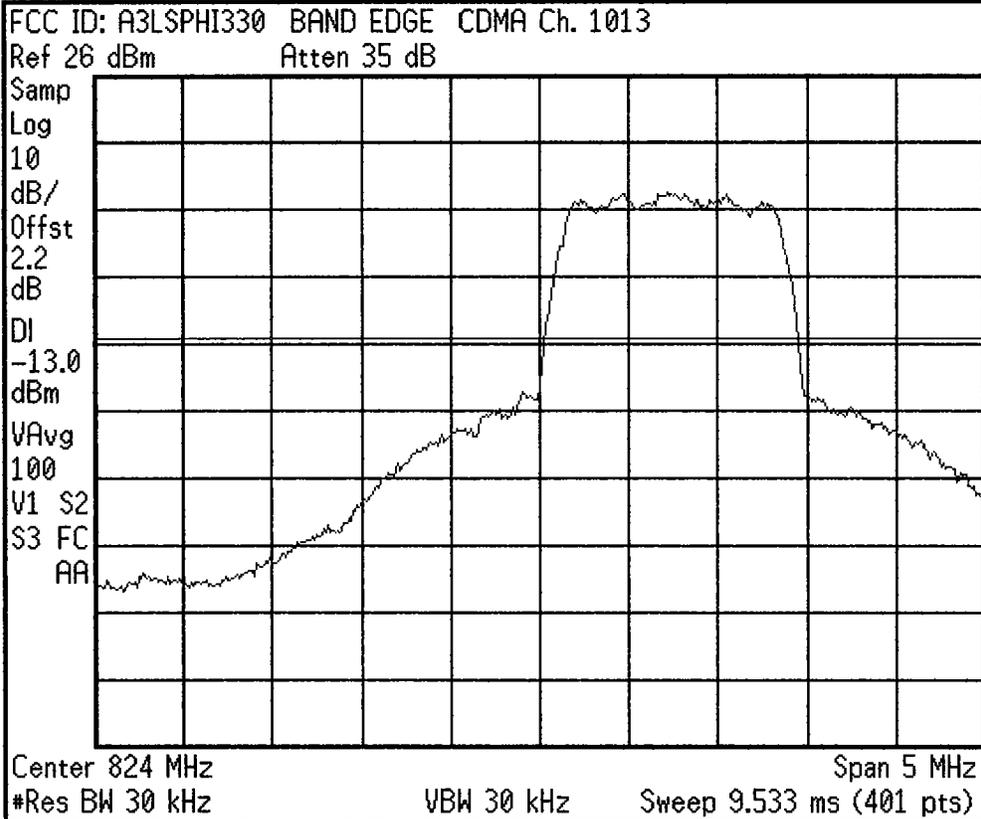
CF Step  
300.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Agilent



Freq/Channel

Center Freq  
824.000000 MHz

Start Freq  
821.500000 MHz

Stop Freq  
826.500000 MHz

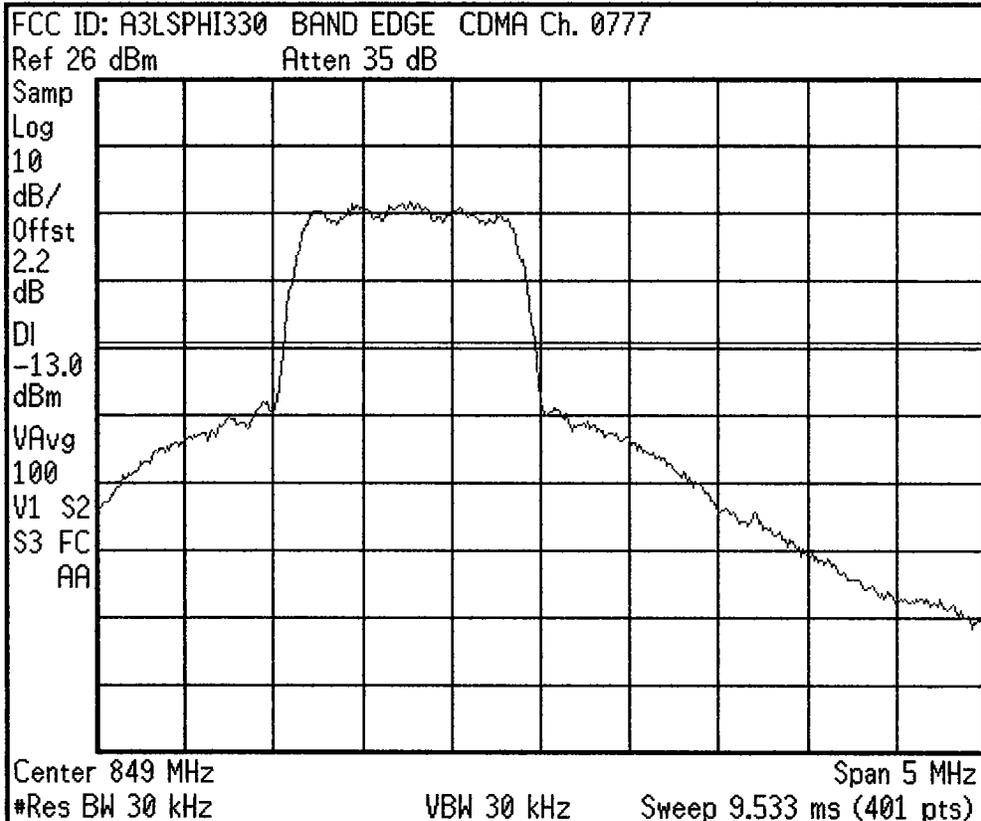
CF Step  
500.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Agilent



Freq/Channel

Center Freq  
849.000000 MHz

Start Freq  
846.500000 MHz

Stop Freq  
851.500000 MHz

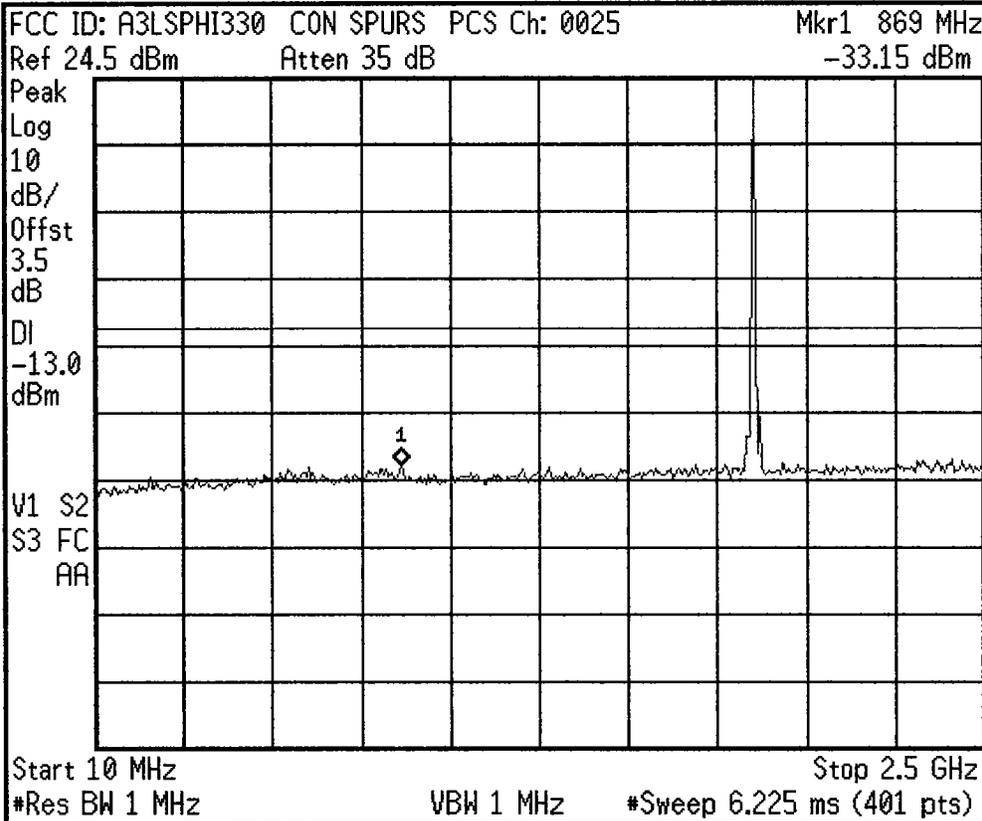
CF Step  
500.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
1.25500000 GHz

Start Freq  
9.99999900 MHz

Stop Freq  
2.50000000 GHz

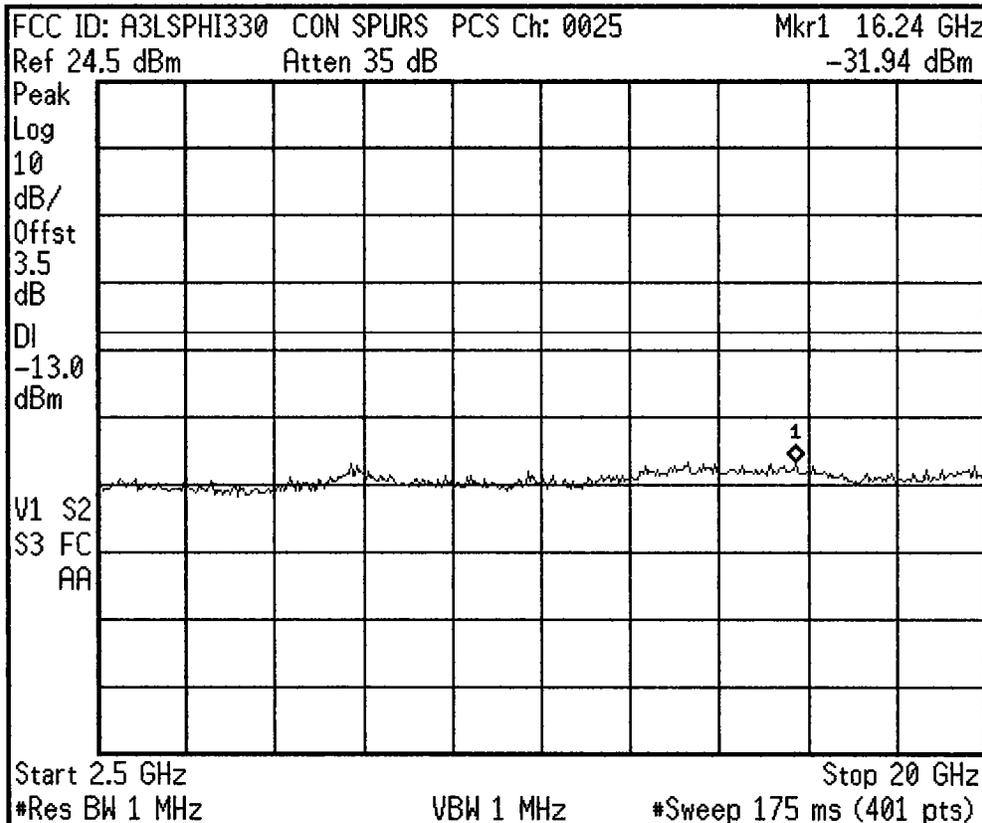
CF Step  
249.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
11.25000000 GHz

Start Freq  
2.50000000 GHz

Stop Freq  
20.00000000 GHz

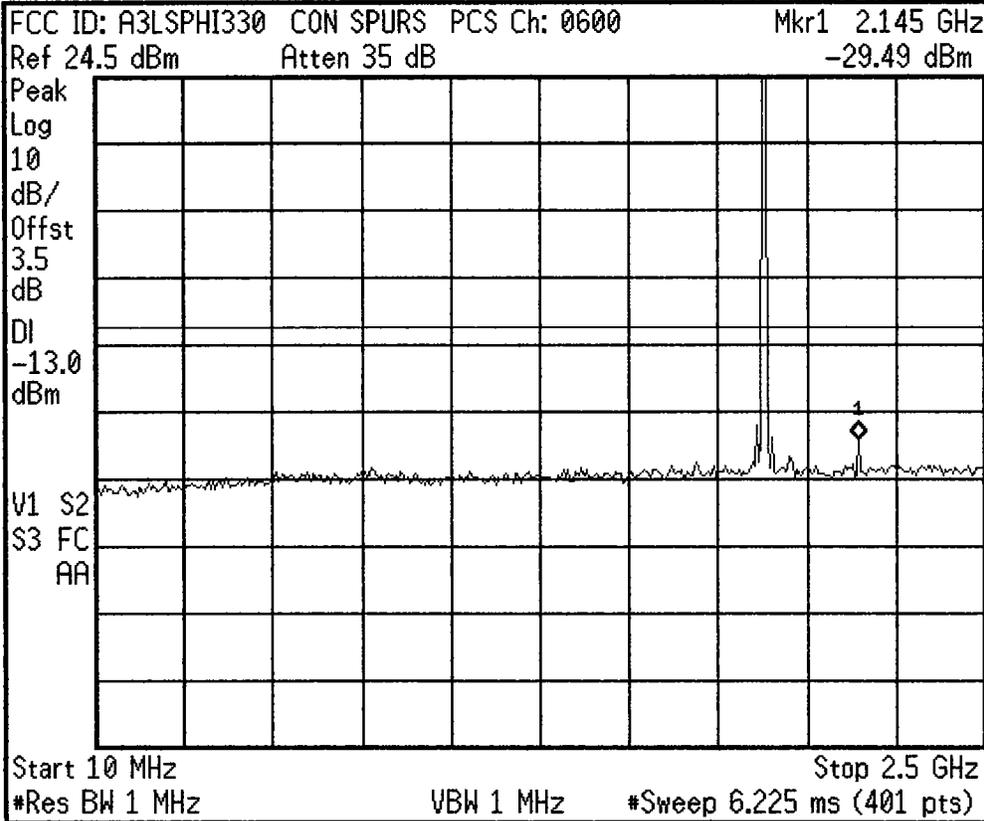
CF Step  
1.75000000 GHz  
Auto Man

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

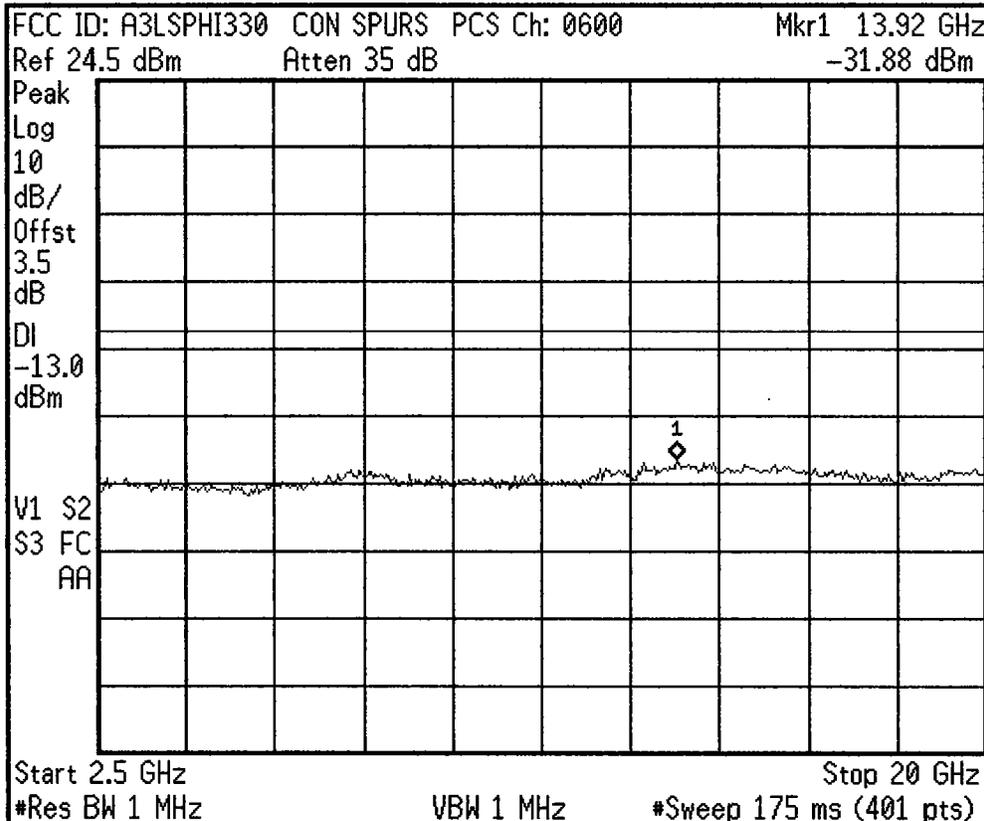
CF Step  
249.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
11.2500000 GHz

Start Freq  
2.50000000 GHz

Stop Freq  
20.0000000 GHz

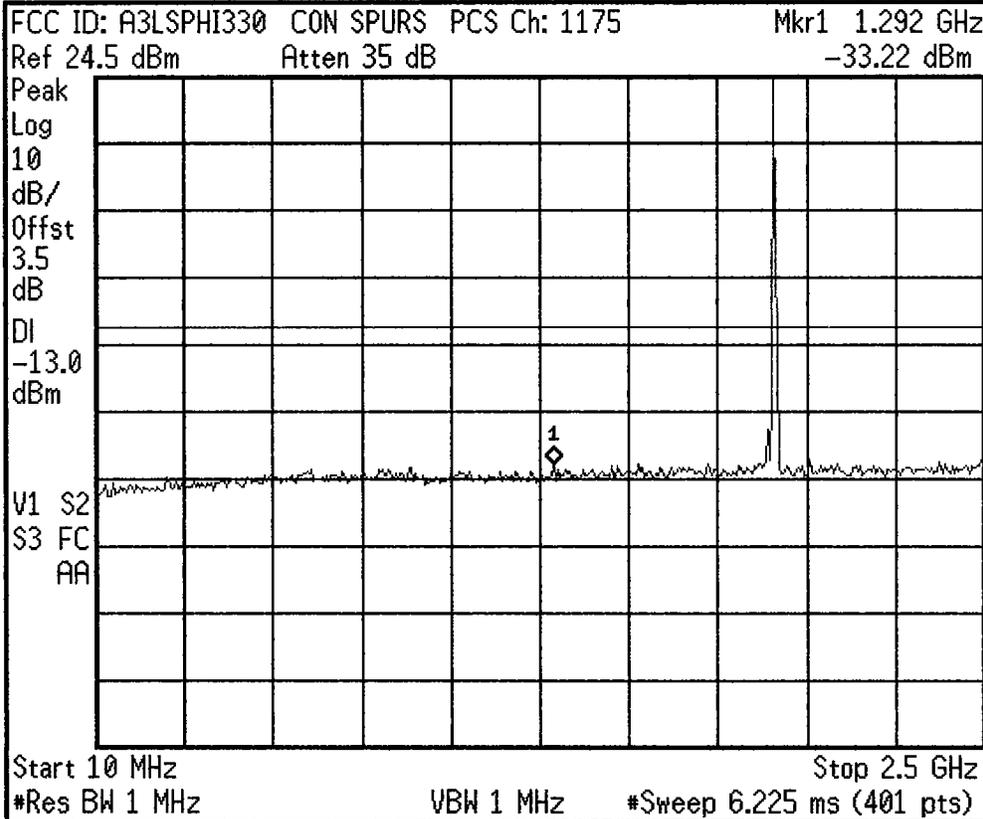
CF Step  
1.75000000 GHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

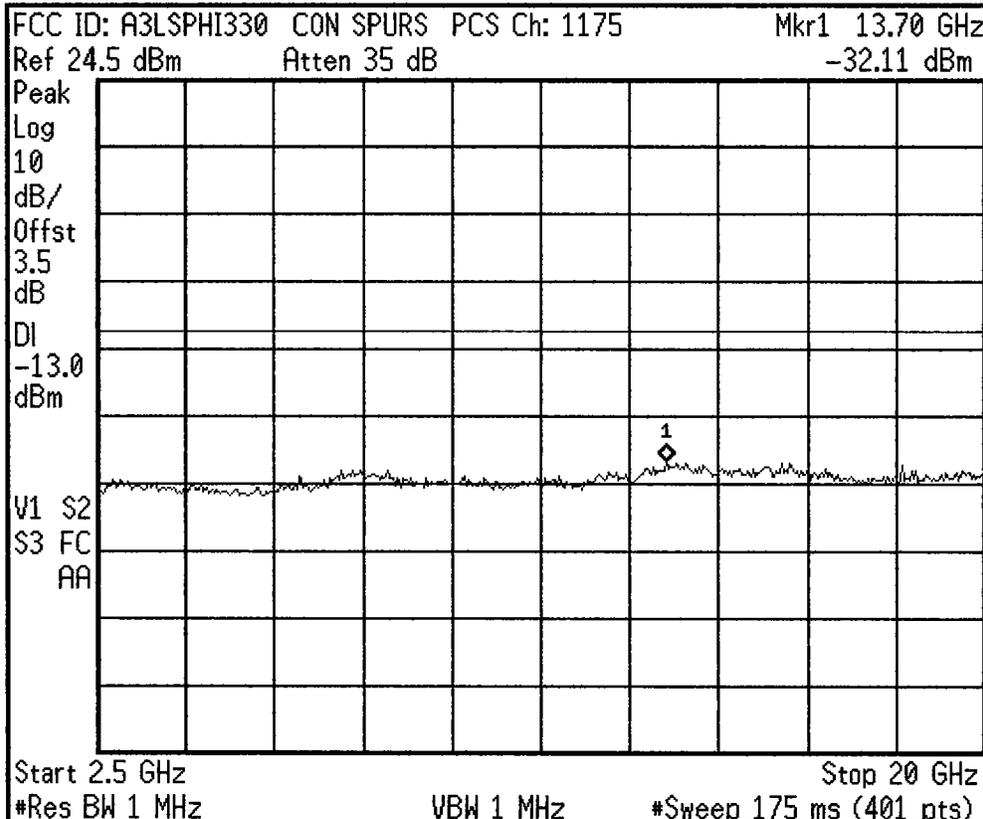
Scale Type  
Log Lin

\* Agilent



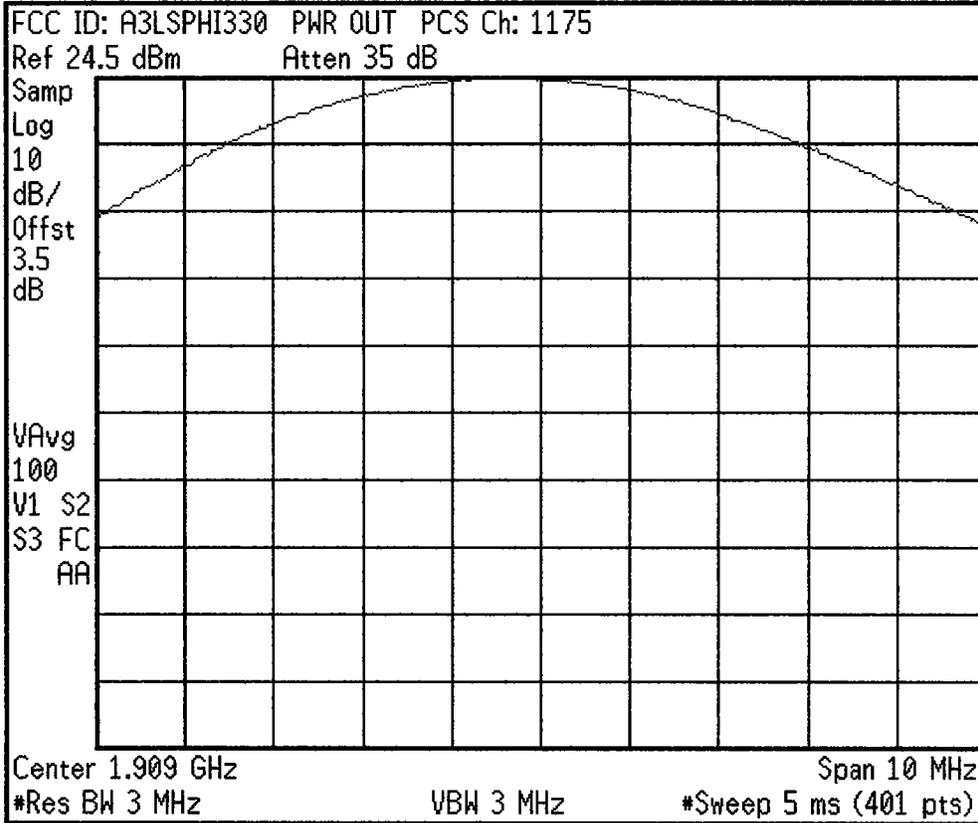
<b>Freq/Channel</b>
<b>Center Freq</b> 1.25500000 GHz
<b>Start Freq</b> 10.0000000 MHz
<b>Stop Freq</b> 2.50000000 GHz
<b>CF Step</b> 249.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent



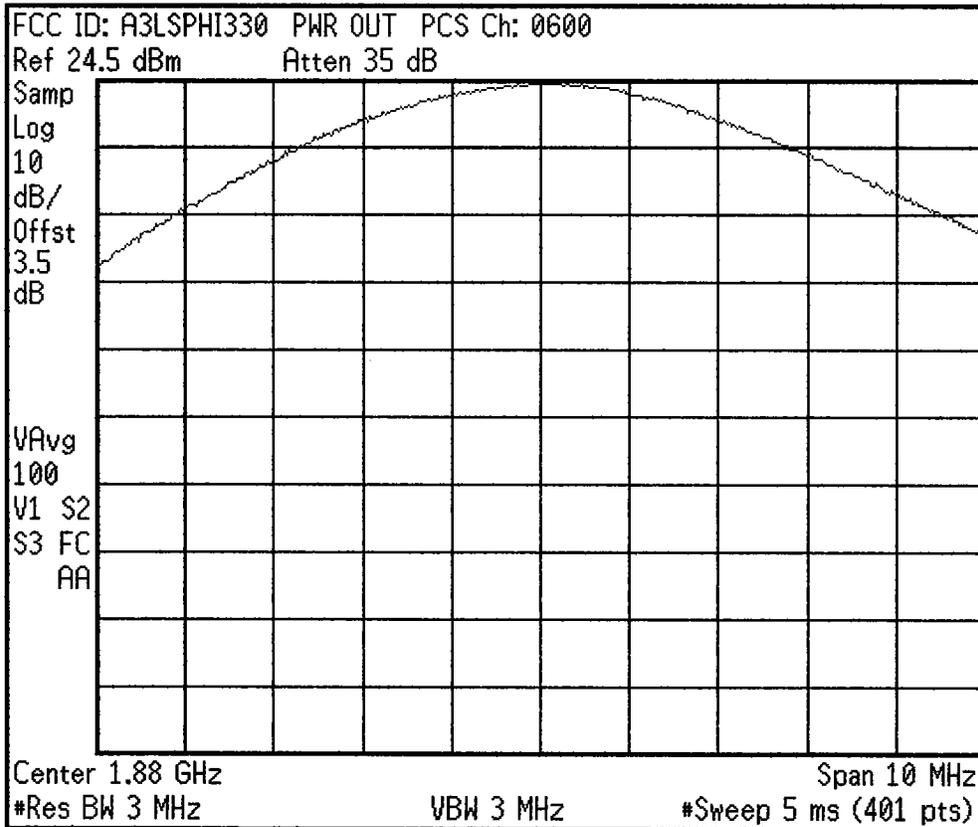
<b>Freq/Channel</b>
<b>Center Freq</b> 11.2500000 GHz
<b>Start Freq</b> 2.50000000 GHz
<b>Stop Freq</b> 20.0000000 GHz
<b>CF Step</b> 1.75000000 GHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent



<b>Freq/Channel</b>
<b>Center Freq</b> 1.90900000 GHz
<b>Start Freq</b> 1.90400000 GHz
<b>Stop Freq</b> 1.91400000 GHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

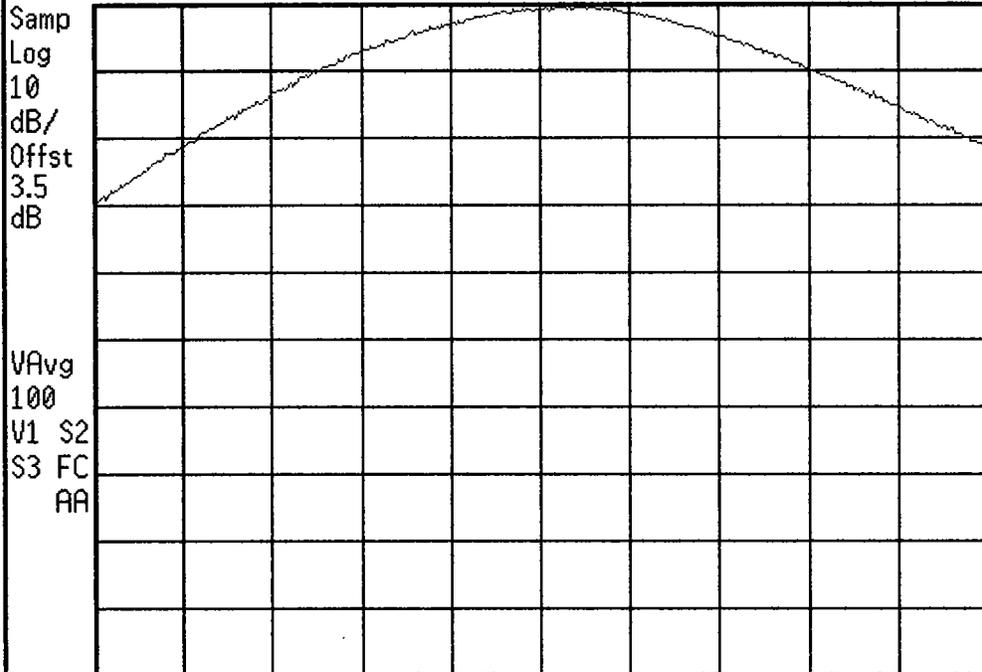
\* Agilent



<b>Freq/Channel</b>
<b>Center Freq</b> 1.88000000 GHz
<b>Start Freq</b> 1.87500000 GHz
<b>Stop Freq</b> 1.88500000 GHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

Agilent

FCC ID: A3LSPHI330 PWR OUT PCS Ch: 0025  
Ref 24.5 dBm Atten 35 dB



Center 1.851 GHz Span 10 MHz  
\*Res BW 3 MHz VBW 3 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

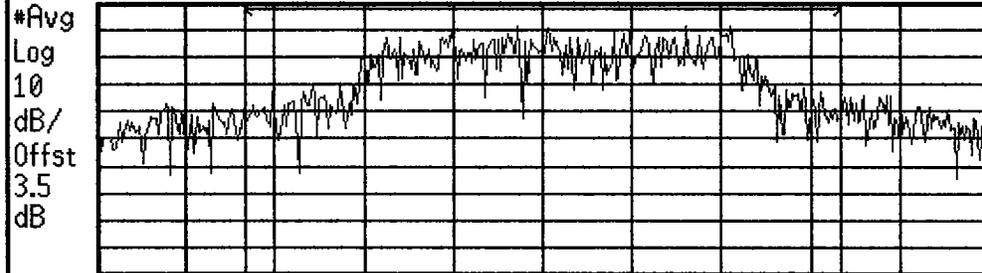
Signal Track  
On Off

Scale Type  
Log Lin

Agilent

Ch Freq 1.8512 GHz Trig Free  
Channel Power

FCC ID: A3LSPHI330 PWR OUT PCS Ch: 0025  
Ref 24.5 dBm Atten 35 dB



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

Freq/Channel

Center Freq  
1.85120000 GHz

Start Freq  
1.84970000 GHz

Stop Freq  
1.85270000 GHz

CF Step  
300.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Channel Power

24.53 dBm /2.0000 MHz

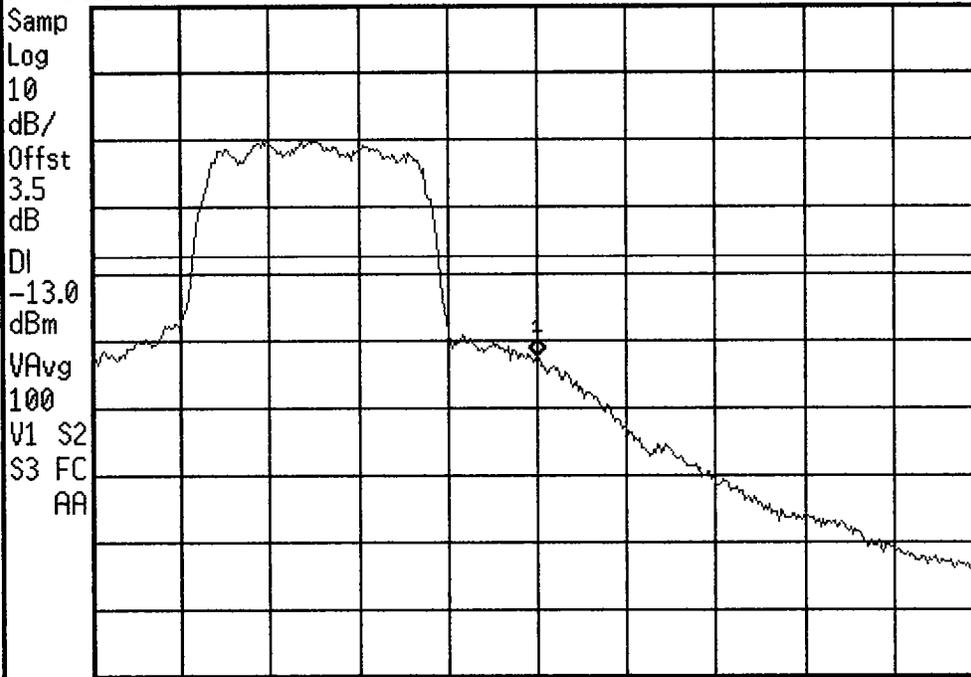
Power Spectral Density

-38.48 dBm/Hz

\* Agilent

FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 1175 Mkr1 1.91000 GHz

Ref 24.5 dBm Atten 35 dB -27.88 dBm



Center 1.91 GHz Span 5 MHz  
#Res BW 30 kHz #VBW 30 kHz #Sweep 13.89 ms (401 pts)

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

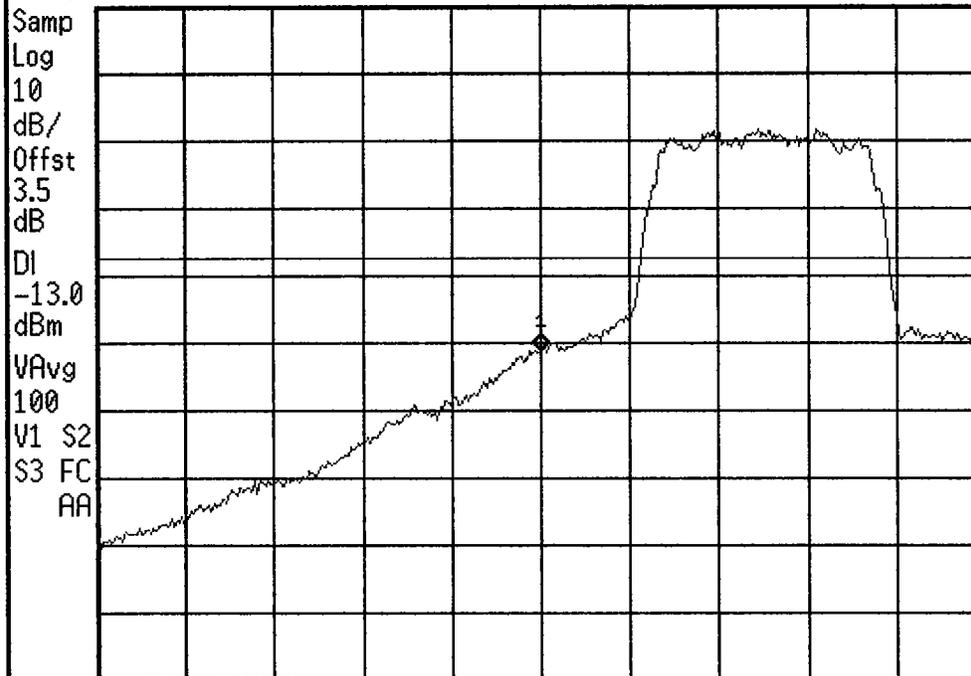
Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent

FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 0025 Mkr1 1.85000 GHz

Ref 24.5 dBm Atten 35 dB -26.75 dBm



Center 1.85 GHz Span 5 MHz  
#Res BW 30 kHz #VBW 30 kHz #Sweep 13.89 ms (401 pts)

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

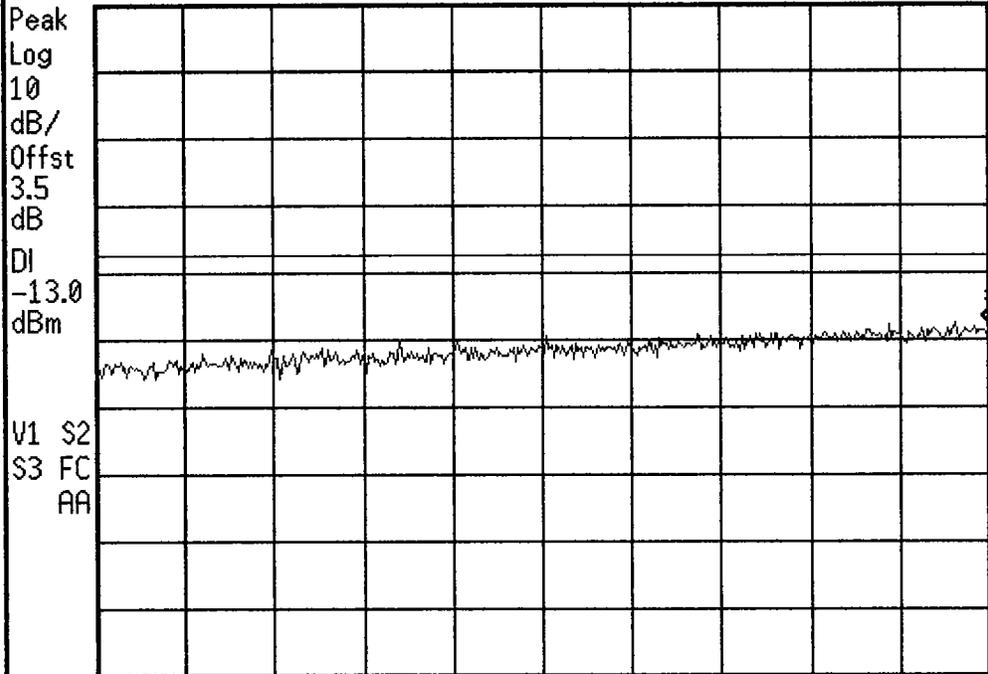
Signal Track  
On Off

Scale Type  
Log Lin

Agilent

FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 0025 Mkr1 1.845500 GHz

Ref 24.5 dBm Atten 35 dB -23.19 dBm



Center 1.845 GHz Span 1 MHz  
\*Res BW 1 MHz \*VBW 1 MHz \*Sweep 5 ms (401 pts)

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

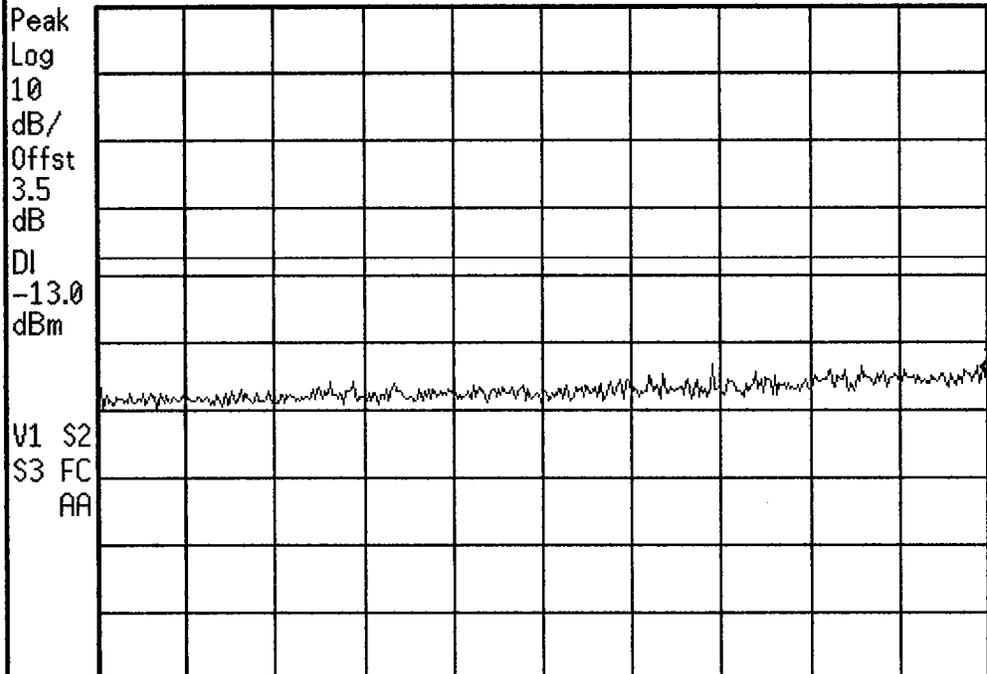
Signal Track  
On Off

Scale Type  
Log Lin

Agilent

FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 0025 Mkr1 1.844500 GHz

Ref 24.5 dBm Atten 35 dB -30.47 dBm



Center 1.844 GHz Span 1 MHz  
\*Res BW 1 MHz \*VBW 1 MHz \*Sweep 5 ms (401 pts)

Freq/Channel

Center Freq  
1.84400000 GHz

Start Freq  
1.84350000 GHz

Stop Freq  
1.84450000 GHz

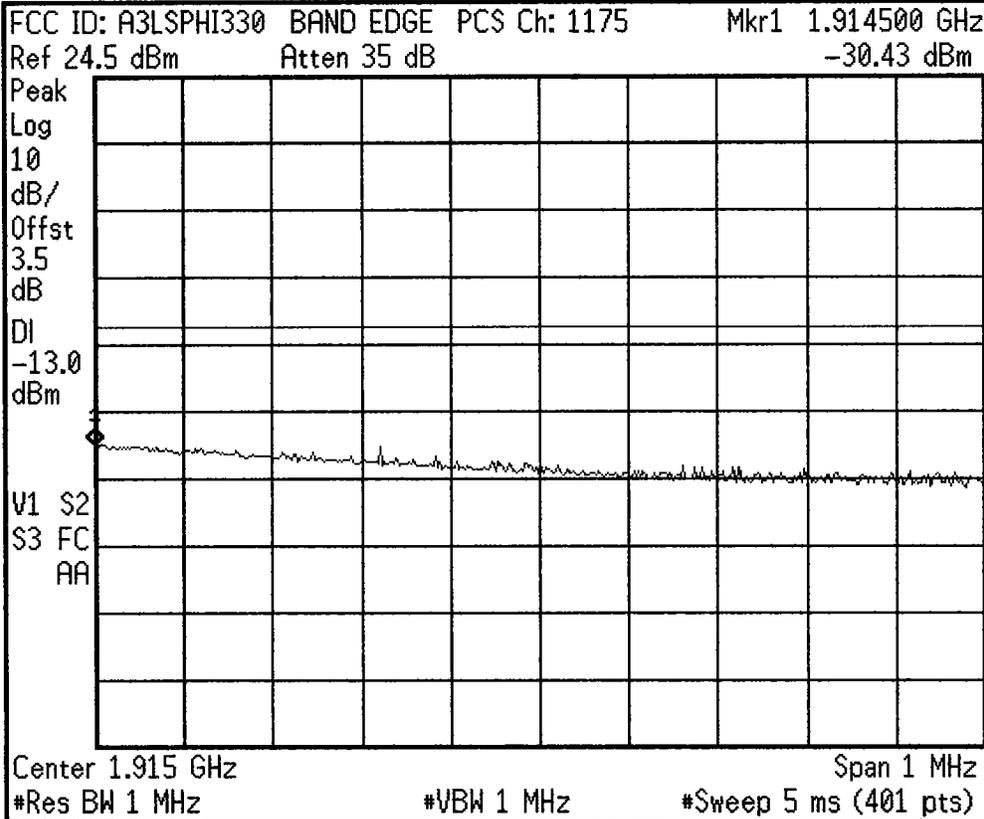
CF Step  
100.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
1.91500000 GHz

Start Freq  
1.91450000 GHz

Stop Freq  
1.91550000 GHz

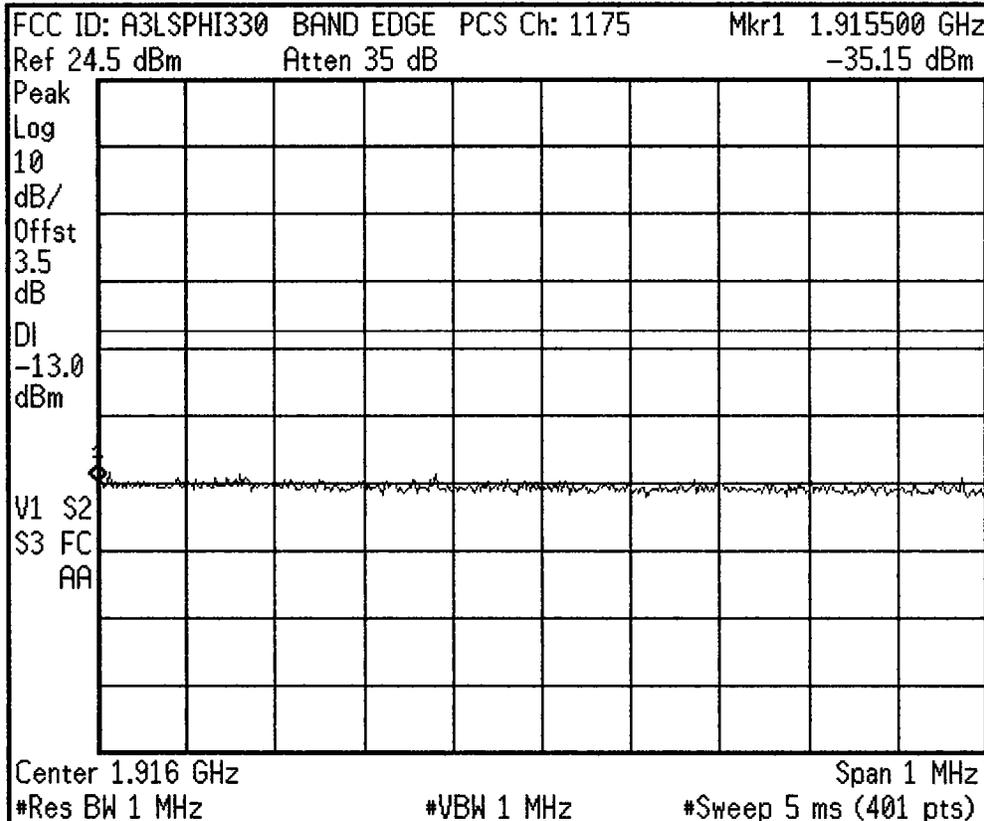
CF Step  
100.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent



Freq/Channel

Center Freq  
1.91600000 GHz

Start Freq  
1.91550000 GHz

Stop Freq  
1.91650000 GHz

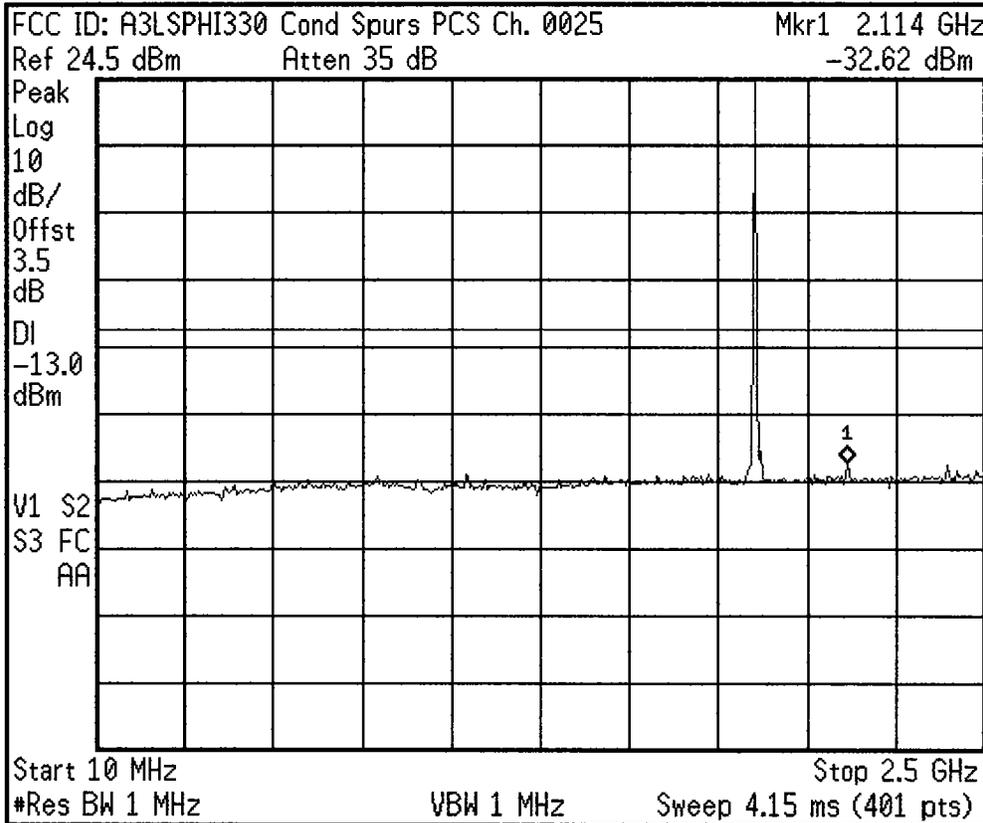
CF Step  
100.000000 kHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent 06:52:53 May 31, 2002



Freq/Channel

Center Freq  
1.25500000 GHz

Start Freq  
10.0000000 MHz

Stop Freq  
2.50000000 GHz

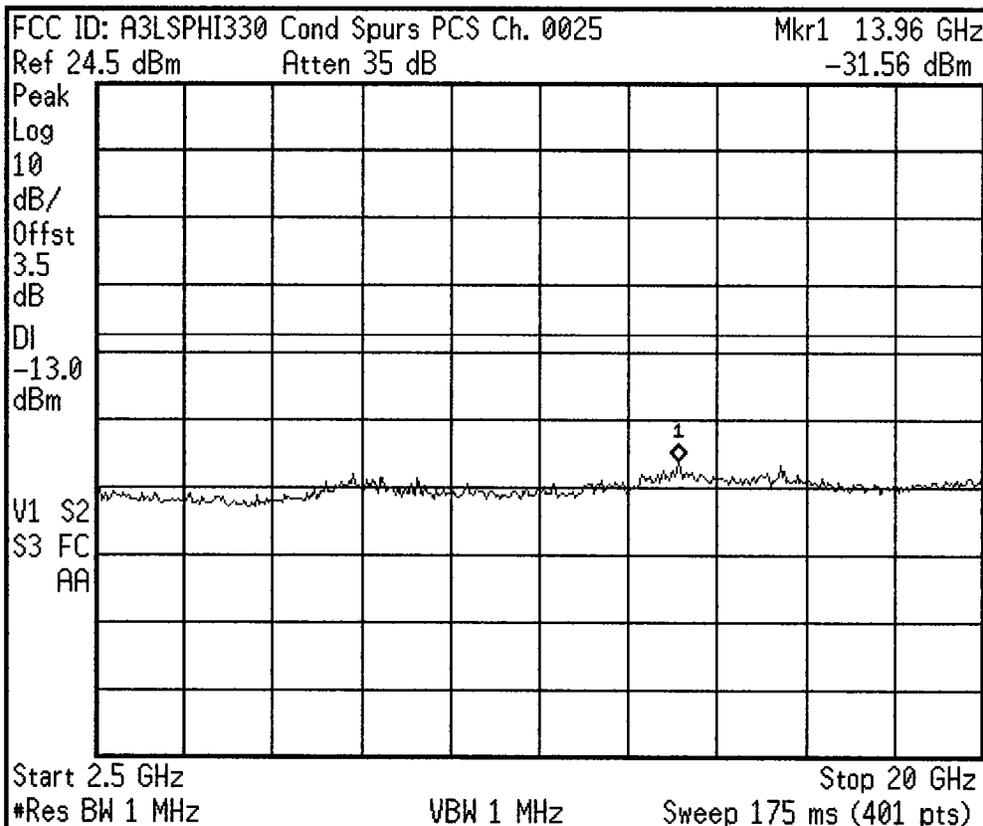
CF Step  
249.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent 06:53:39 May 31, 2002



Freq/Channel

Center Freq  
11.2500000 GHz

Start Freq  
2.50000000 GHz

Stop Freq  
20.0000000 GHz

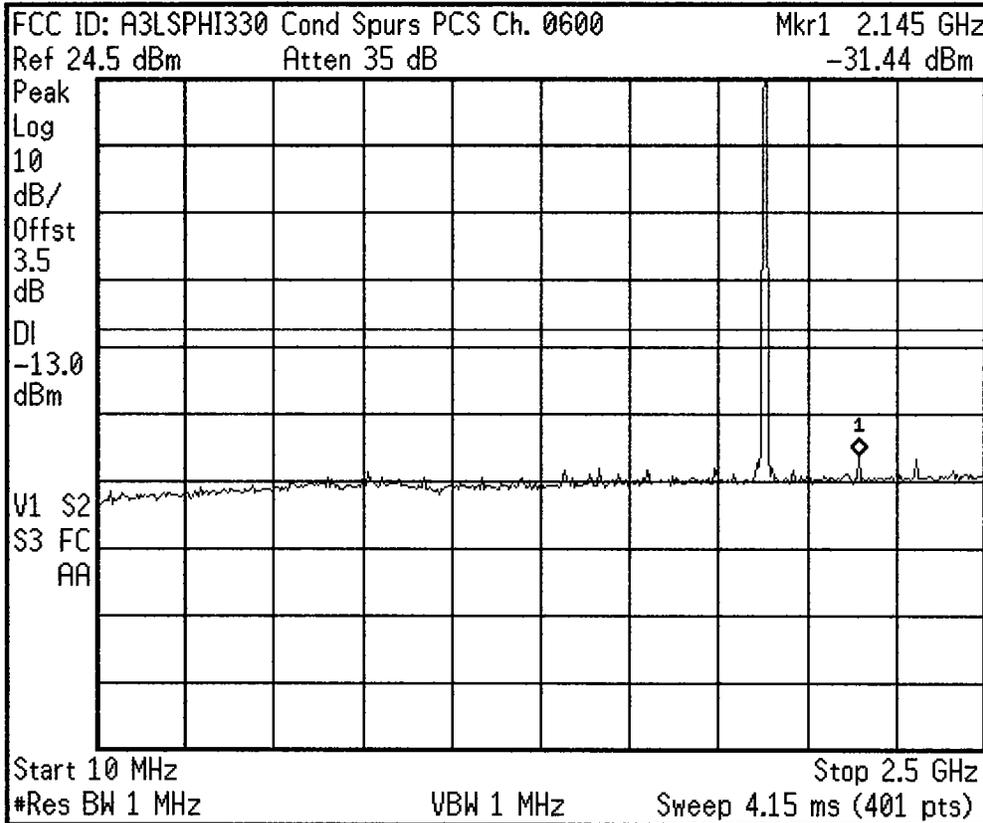
CF Step  
1.75000000 GHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent 06:54:36 May 31, 2002



Freq/Channel

Center Freq  
1.25500000 GHz

Start Freq  
10.0000000 MHz

Stop Freq  
2.50000000 GHz

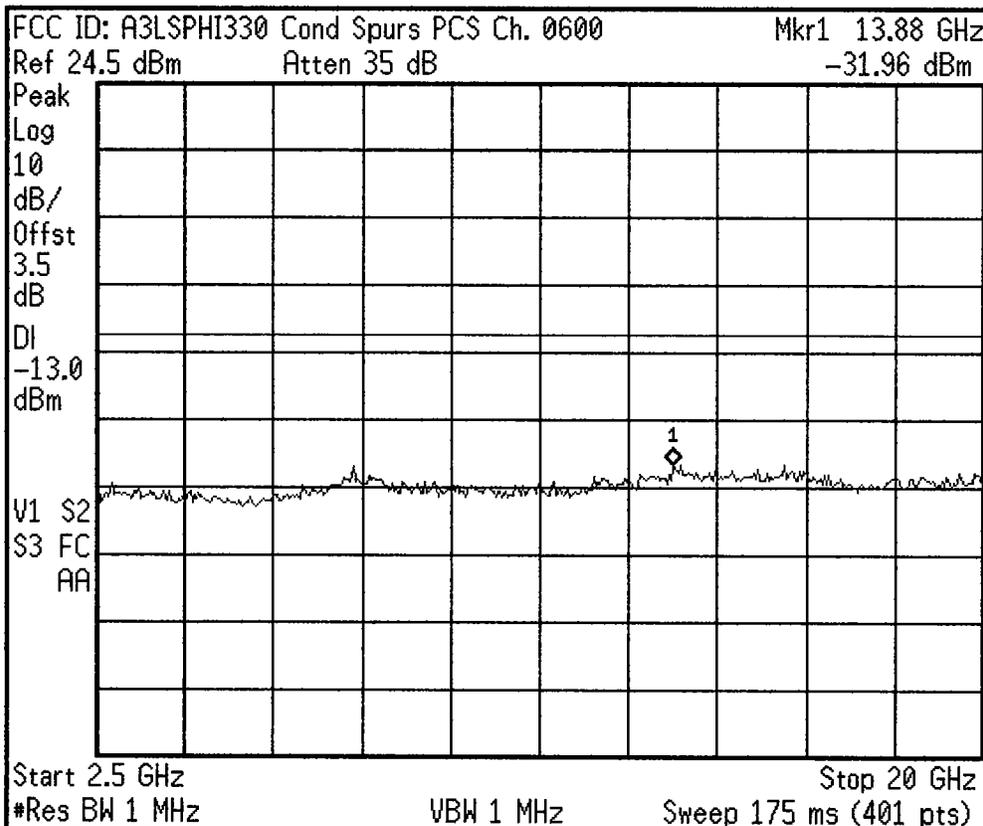
CF Step  
249.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent 06:55:22 May 31, 2002



Freq/Channel

Center Freq  
11.2500000 GHz

Start Freq  
2.50000000 GHz

Stop Freq  
20.0000000 GHz

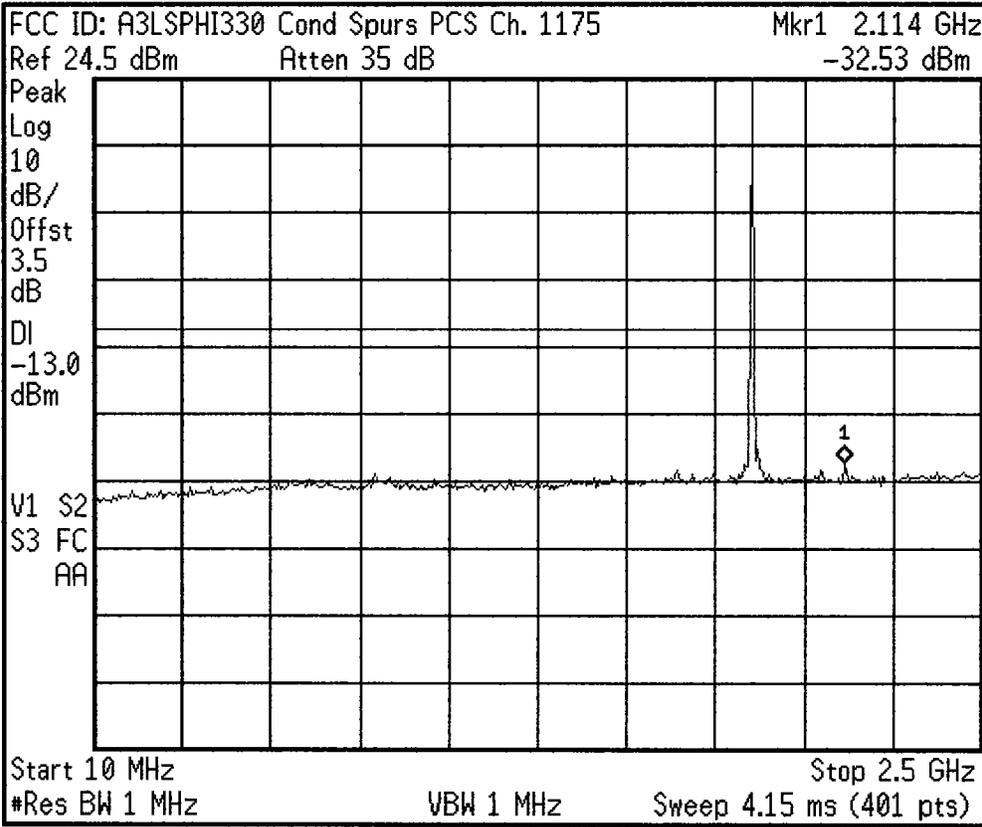
CF Step  
1.75000000 GHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

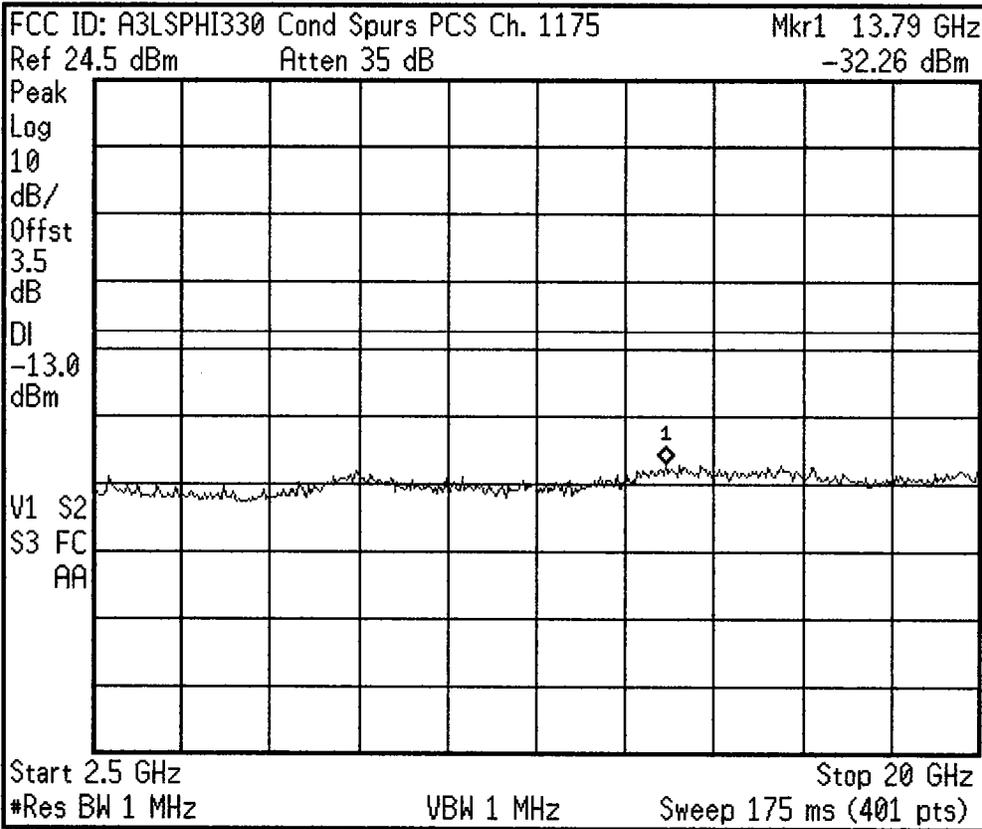
Scale Type  
Log Lin

\* Agilent 06:56:57 May 31, 2002



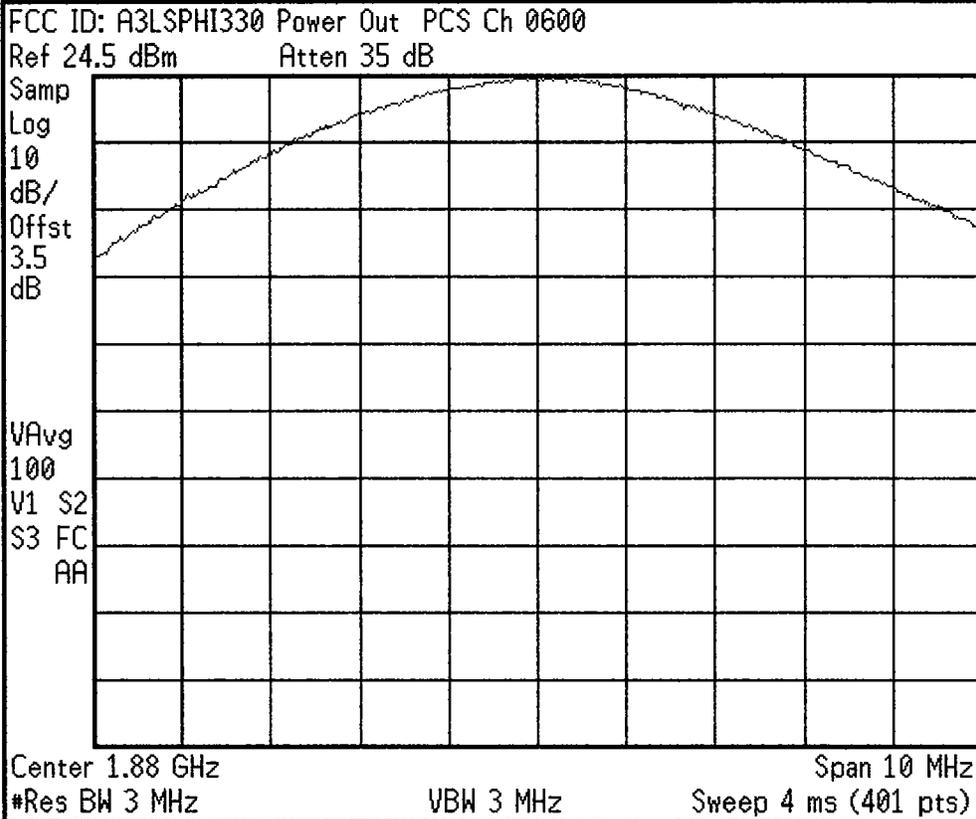
<b>Freq/Channel</b>
<b>Center Freq</b> 1.25500000 GHz
<b>Start Freq</b> 10.0000000 MHz
<b>Stop Freq</b> 2.50000000 GHz
<b>CF Step</b> 249.000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 06:57:51 May 31, 2002



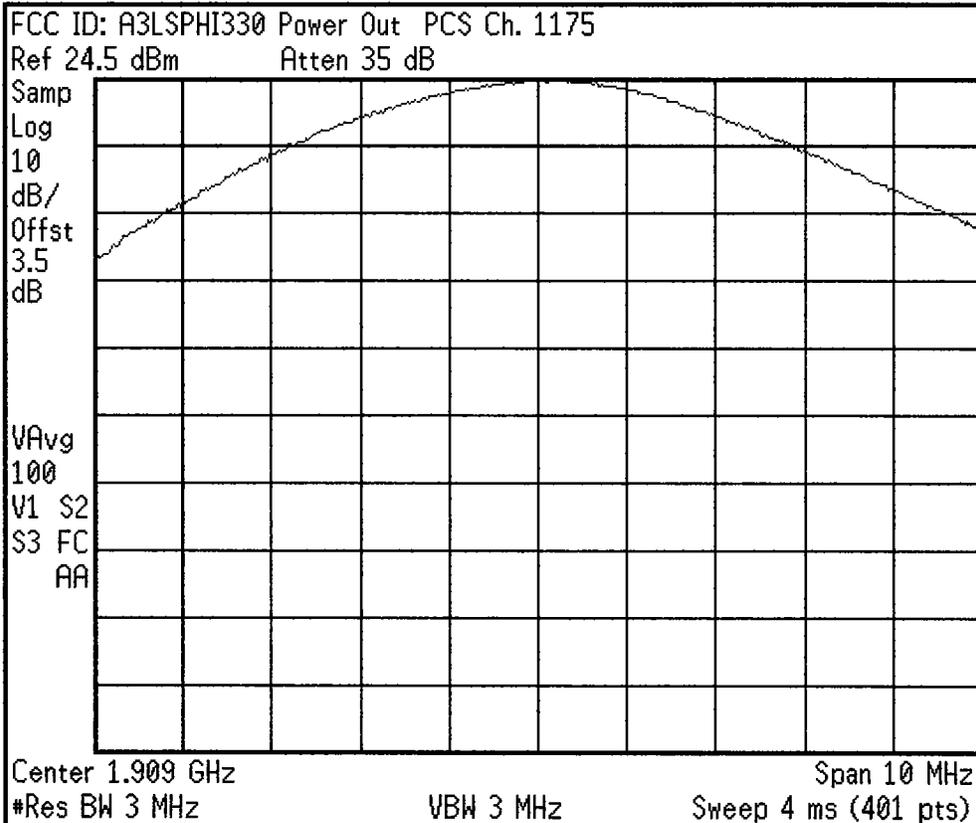
<b>Freq/Channel</b>
<b>Center Freq</b> 11.2500000 GHz
<b>Start Freq</b> 2.50000000 GHz
<b>Stop Freq</b> 20.0000000 GHz
<b>CF Step</b> 1.75000000 GHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:04:48 May 31, 2002



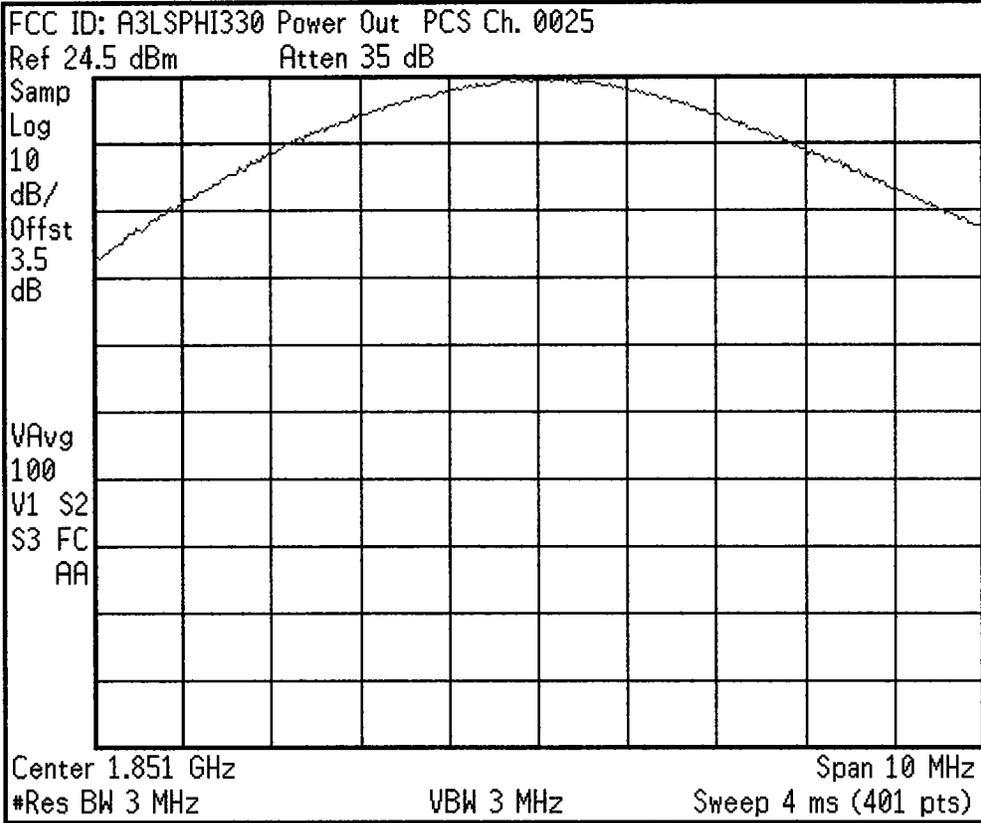
<b>Freq/Channel</b>
<b>Center Freq</b> 1.88000000 GHz
<b>Start Freq</b> 1.87500000 GHz
<b>Stop Freq</b> 1.88500000 GHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

\* Agilent 07:08:36 May 31, 2002



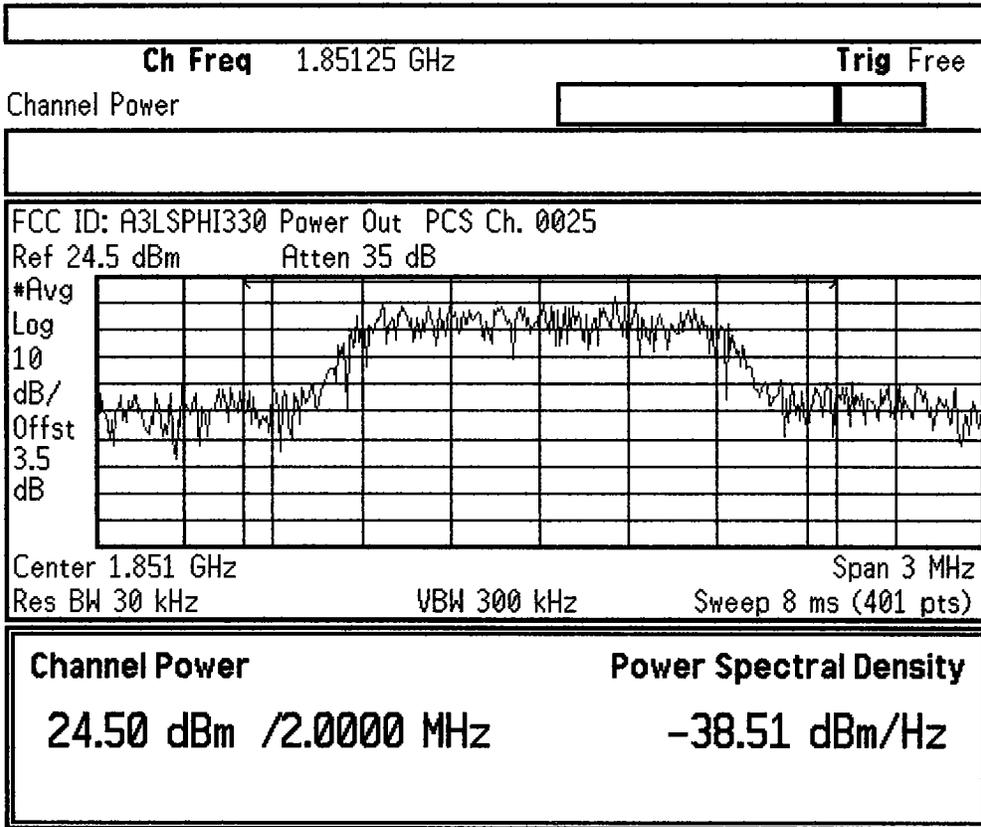
<b>Freq/Channel</b>
<b>Center Freq</b> 1.90875000 GHz
<b>Start Freq</b> 1.90375000 GHz
<b>Stop Freq</b> 1.91375000 GHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

\* Agilent 07:10:36 May 31, 2002



<b>Freq/Channel</b>
<b>Center Freq</b> 1.85125000 GHz
<b>Start Freq</b> 1.84625000 GHz
<b>Stop Freq</b> 1.85625000 GHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.000000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

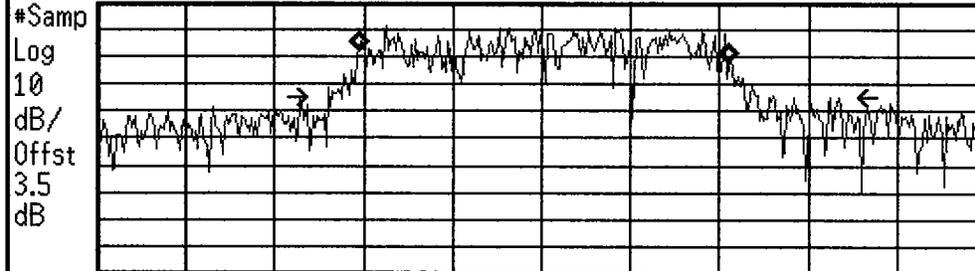
\* Agilent 07:14:16 May 31, 2002



<b>Freq/Channel</b>
<b>Center Freq</b> 1.85125000 GHz
<b>Start Freq</b> 1.84975000 GHz
<b>Stop Freq</b> 1.85275000 GHz
<b>CF Step</b> 300.000000 kHz Auto Man
<b>Freq Offset</b> 0.000000000 Hz
<b>Signal Track</b> On <u>Off</u>
<b>Scale Type</b> Log <u>Lin</u>

**Ch Freq** 1.88 GHz **Trig** Free  
 Occupied Bandwidth

FCC ID: A3LSPHI330 Power Out PCS Ch. 0600  
 Ref 24.5 dBm Atten 35 dB

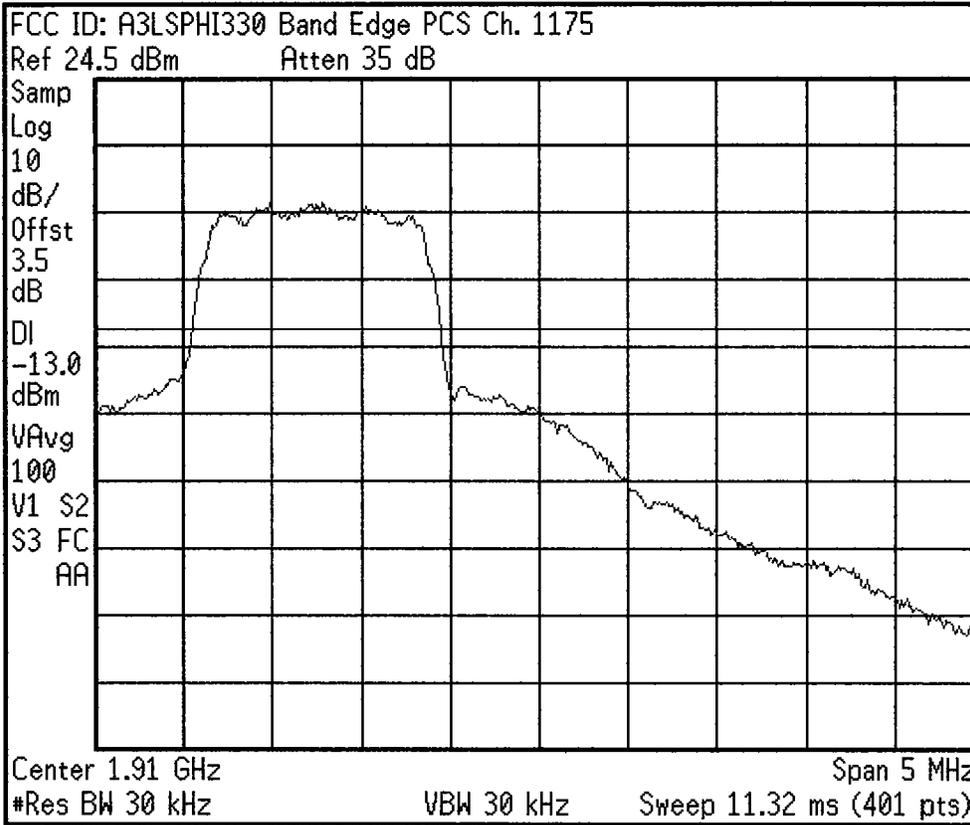


Center 1.88 GHz Span 3 MHz  
 \*Res BW 30 kHz \*VBW 300 kHz Sweep 5.288 ms (401 pts)

<b>Occupied Bandwidth</b>	<b>Occ BW % Pwr</b>	99.00 %
1.2511 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		7.708 kHz
<b>x dB Bandwidth</b>		1.722 MHz*

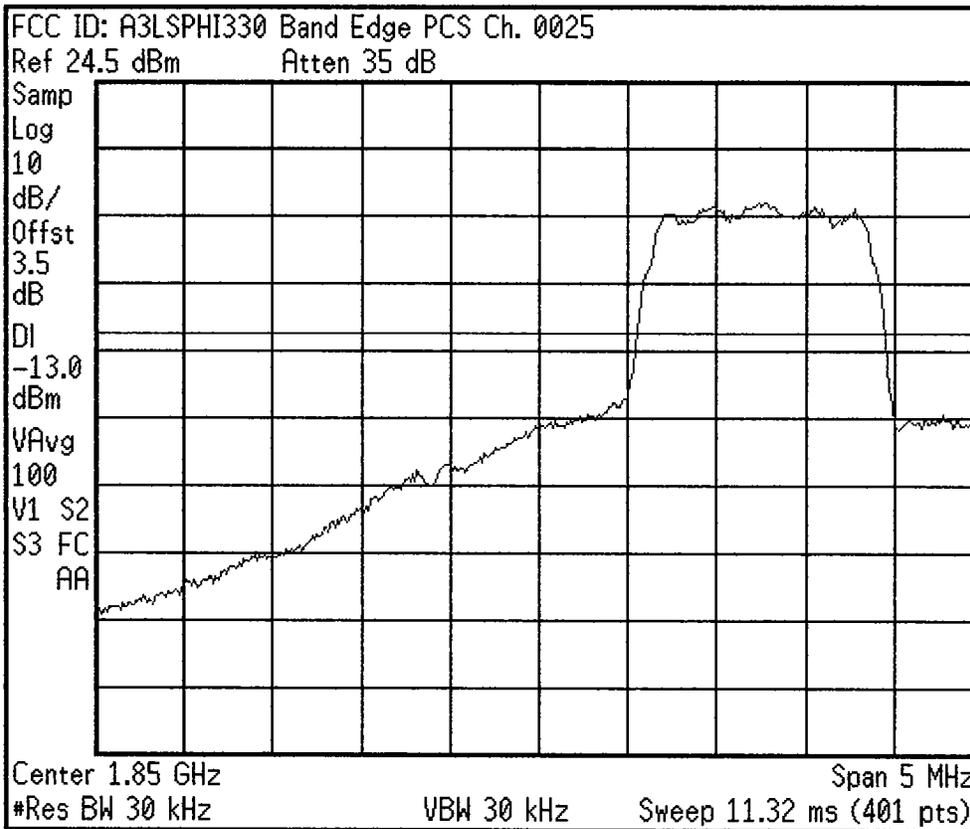
<b>Freq/Channel</b>
<b>Center Freq</b> 1.88000000 GHz
<b>Start Freq</b> 1.87850000 GHz
<b>Stop Freq</b> 1.88150000 GHz
<b>CF Step</b> 300.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:27:56 May 31, 2002



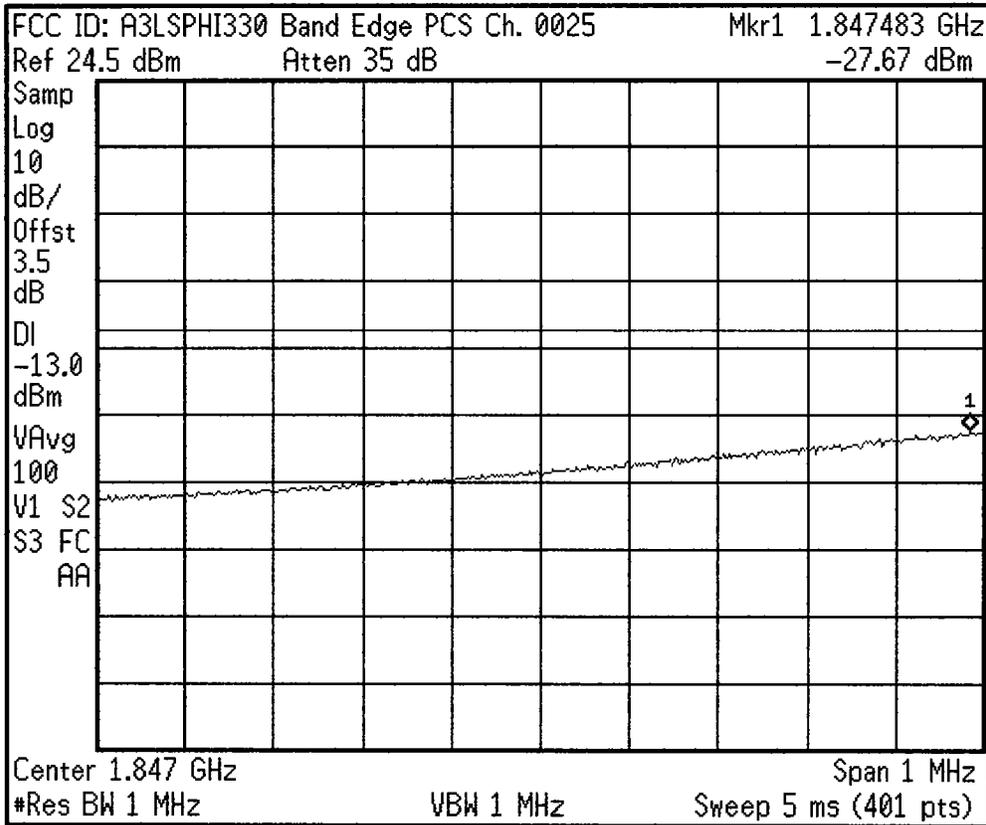
<b>Freq/Channel</b>
<b>Center Freq</b> 1.91000000 GHz
<b>Start Freq</b> 1.90750000 GHz
<b>Stop Freq</b> 1.91250000 GHz
<b>CF Step</b> 500.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:30:04 May 31, 2002



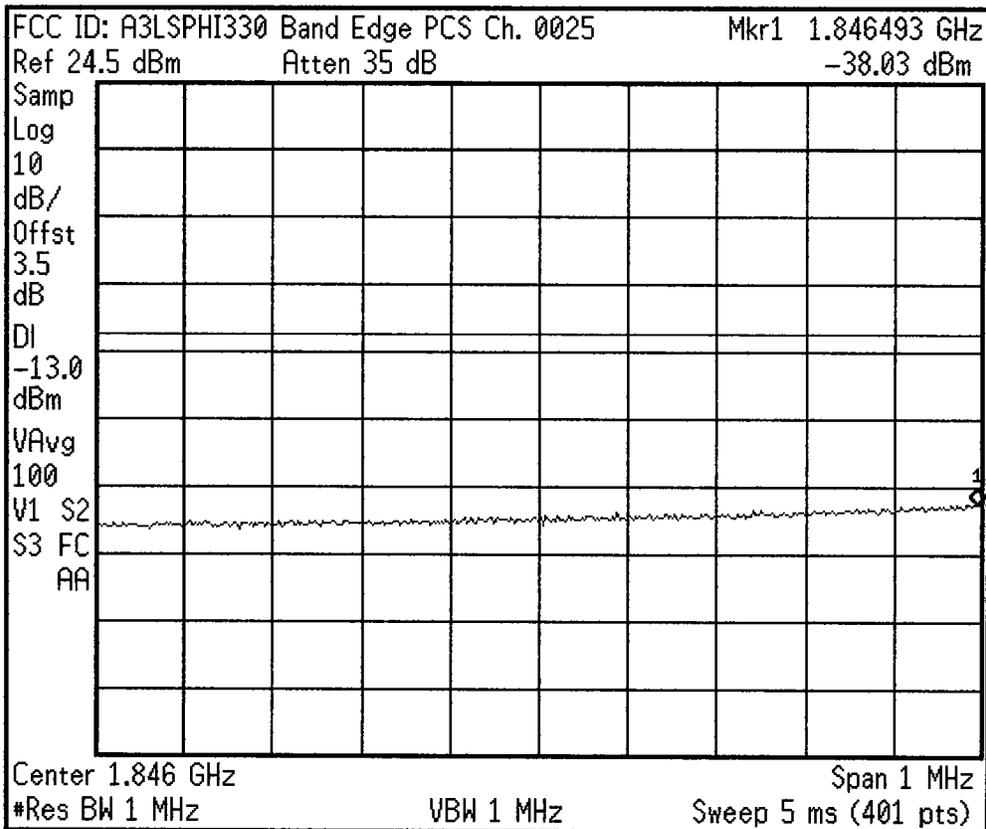
<b>Freq/Channel</b>
<b>Center Freq</b> 1.85000000 GHz
<b>Start Freq</b> 1.84750000 GHz
<b>Stop Freq</b> 1.85250000 GHz
<b>CF Step</b> 500.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:33:20 May 31, 2002



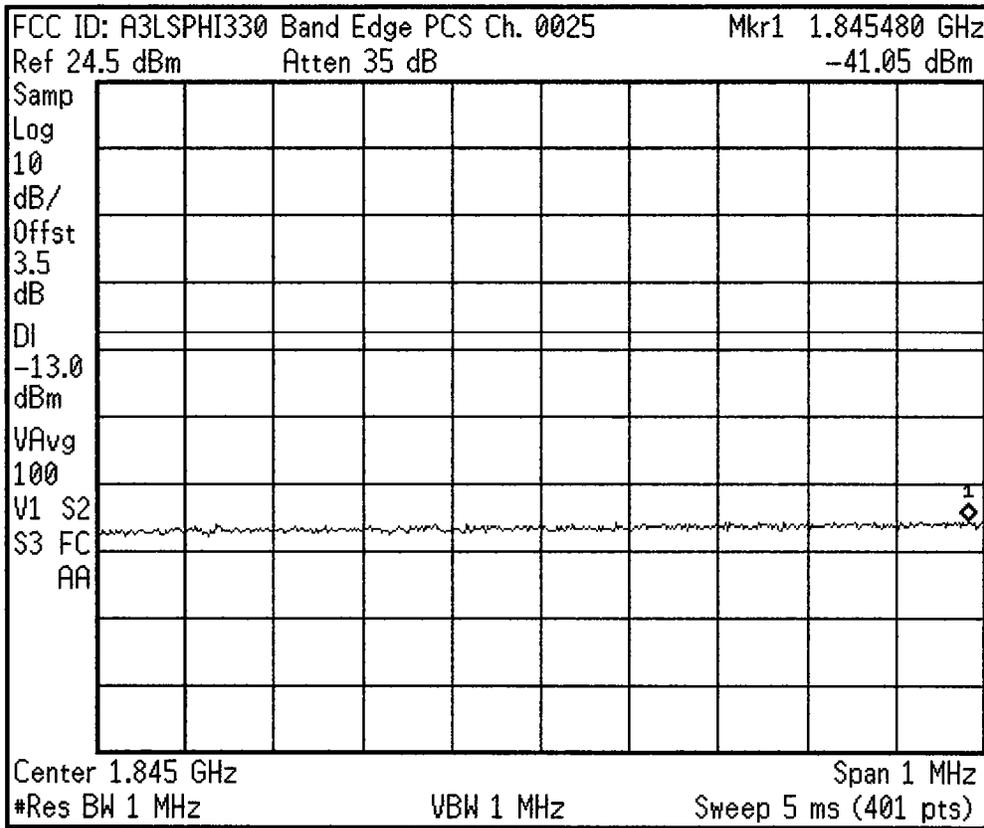
<b>Freq/Channel</b>
<b>Center Freq</b> 1.84700000 GHz
<b>Start Freq</b> 1.84650000 GHz
<b>Stop Freq</b> 1.84750000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:34:10 May 31, 2002



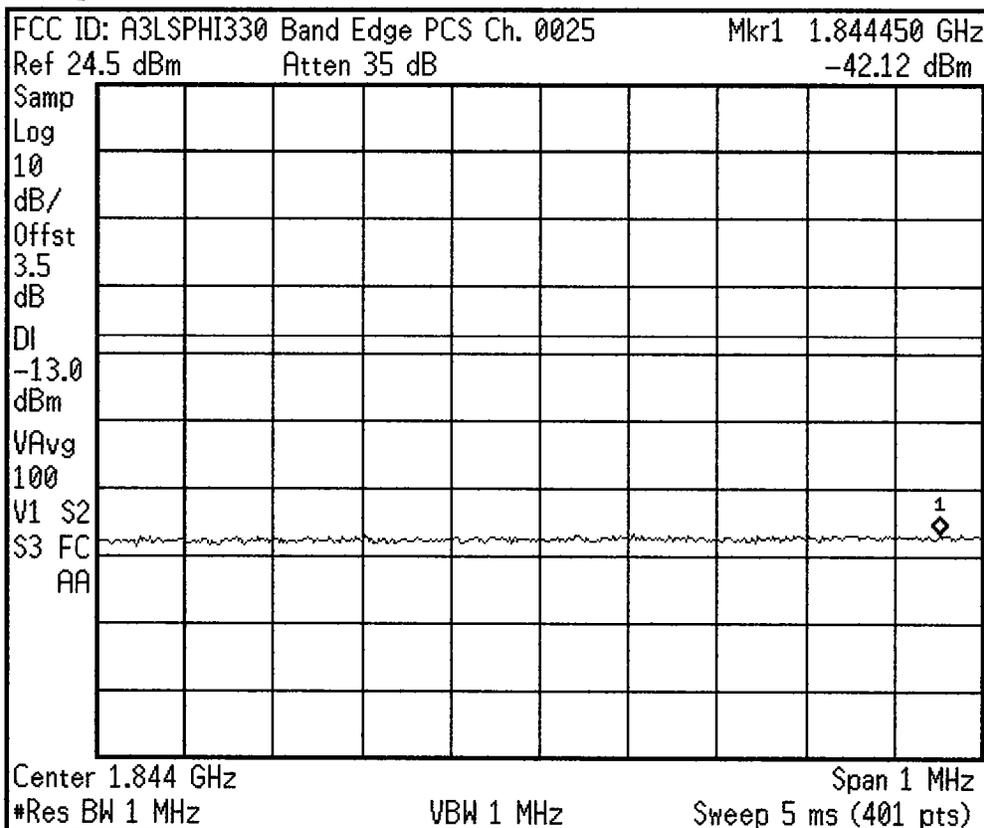
<b>Freq/Channel</b>
<b>Center Freq</b> 1.84600000 GHz
<b>Start Freq</b> 1.84550000 GHz
<b>Stop Freq</b> 1.84650000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:34:57 May 31, 2002



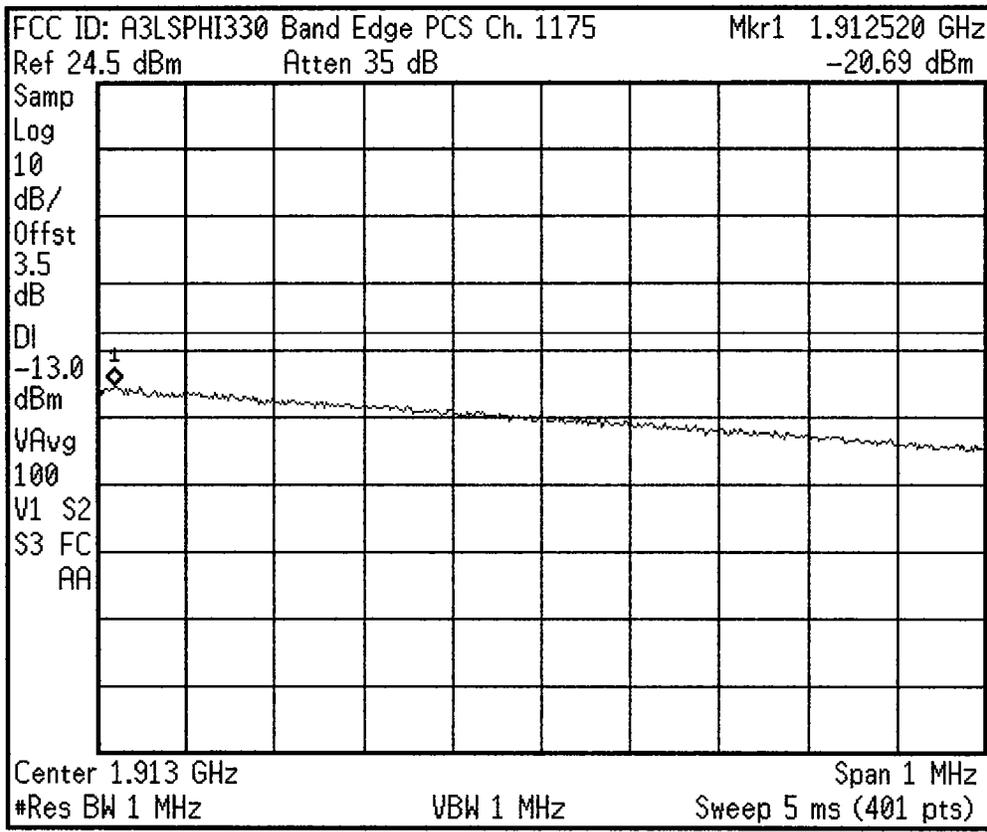
<b>Freq/Channel</b>
<b>Center Freq</b> 1.84500000 GHz
<b>Start Freq</b> 1.84450000 GHz
<b>Stop Freq</b> 1.84550000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:35:35 May 31, 2002



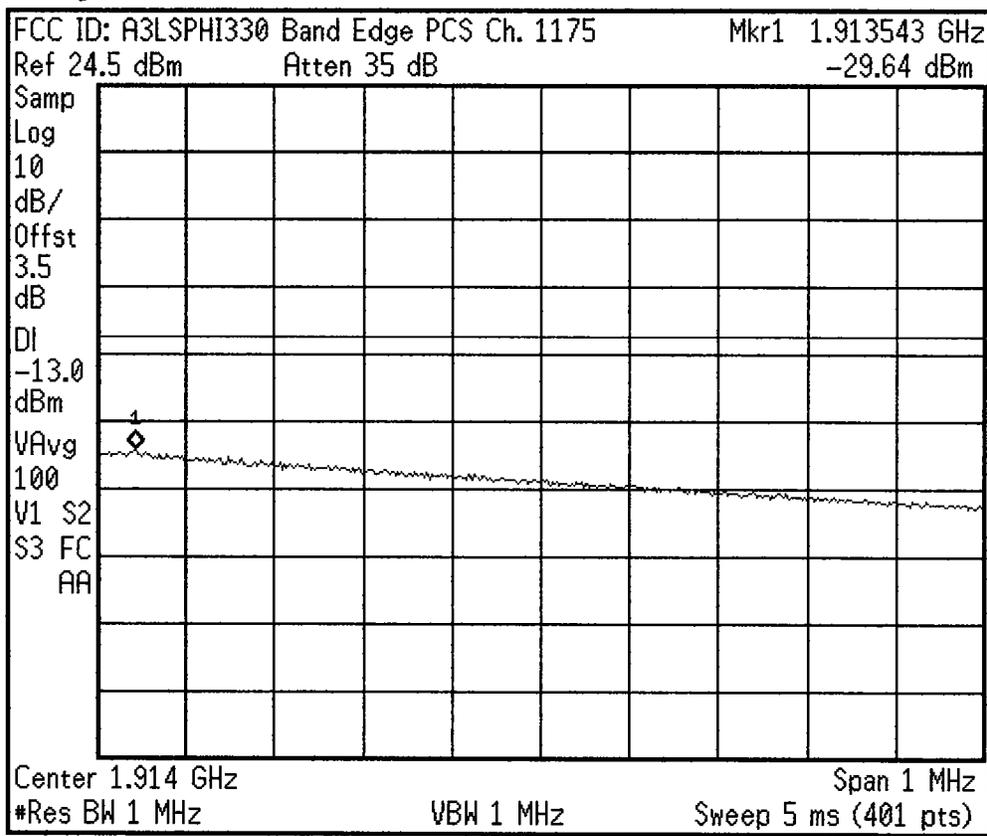
<b>Freq/Channel</b>
<b>Center Freq</b> 1.84400000 GHz
<b>Start Freq</b> 1.84350000 GHz
<b>Stop Freq</b> 1.84450000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:40:02 May 31, 2002



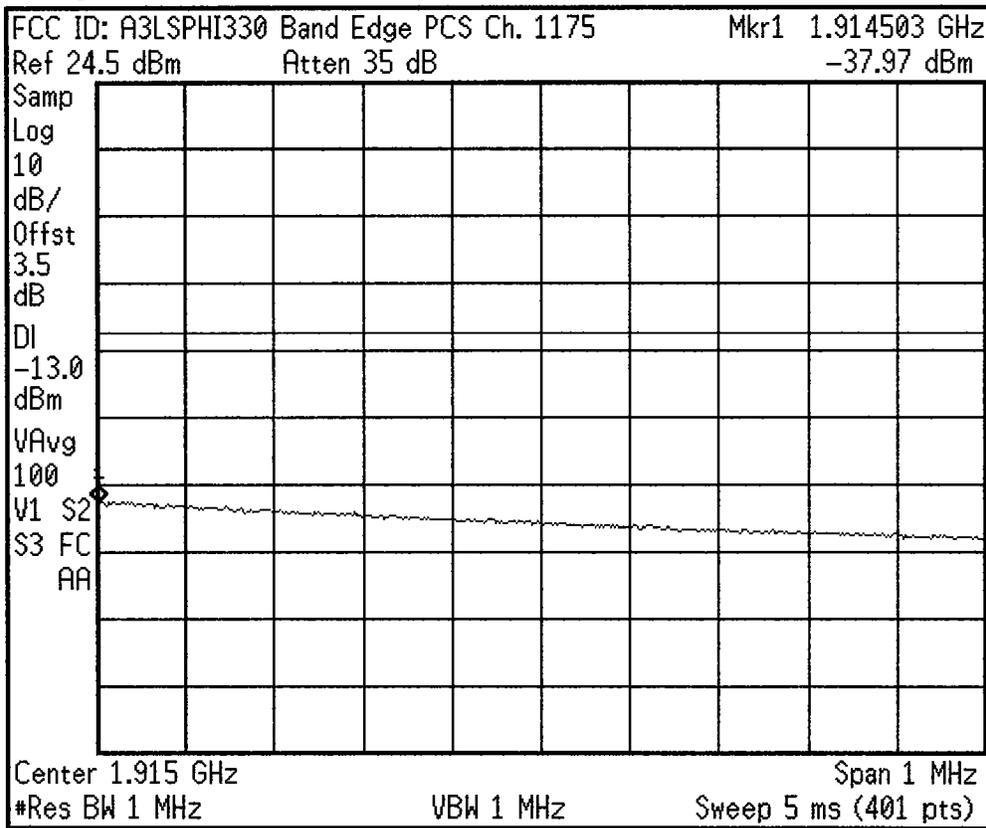
<b>Freq/Channel</b>
<b>Center Freq</b> 1.91300000 GHz
<b>Start Freq</b> 1.91250000 GHz
<b>Stop Freq</b> 1.91350000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:41:24 May 31, 2002



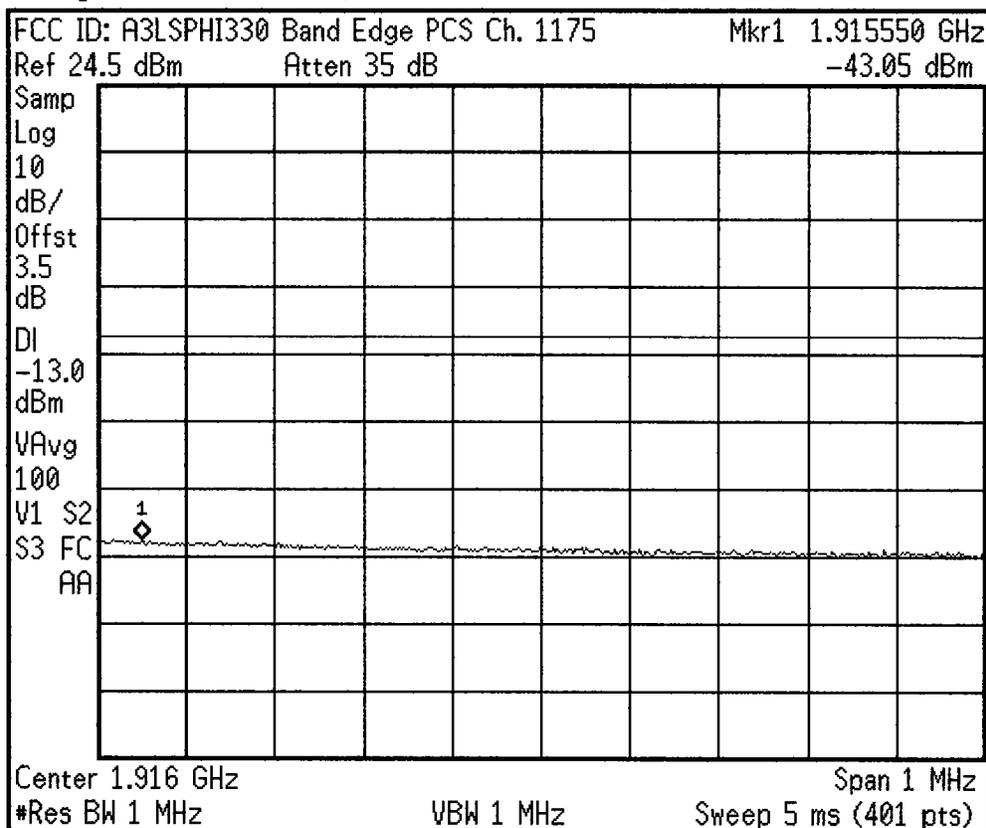
<b>Freq/Channel</b>
<b>Center Freq</b> 1.91400000 GHz
<b>Start Freq</b> 1.91350000 GHz
<b>Stop Freq</b> 1.91450000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:42:00 May 31, 2002



<b>Freq/Channel</b>
<b>Center Freq</b> 1.91500000 GHz
<b>Start Freq</b> 1.91450000 GHz
<b>Stop Freq</b> 1.91550000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

\* Agilent 07:42:37 May 31, 2002



<b>Freq/Channel</b>
<b>Center Freq</b> 1.91600000 GHz
<b>Start Freq</b> 1.91550000 GHz
<b>Stop Freq</b> 1.91650000 GHz
<b>CF Step</b> 100.000000 kHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin

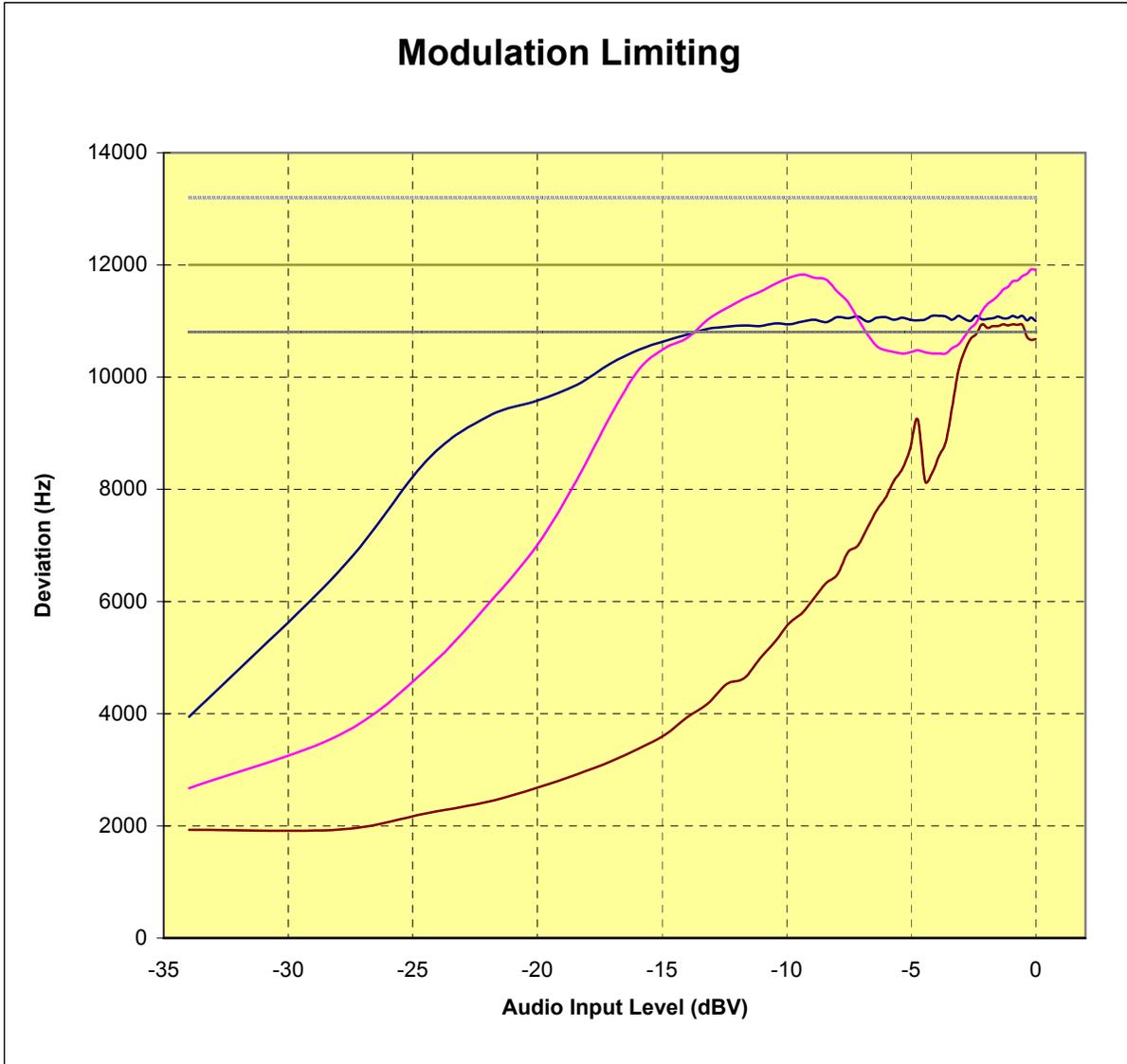
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 24/22

Test Report No.: 22/24.220325125.A3L  
Test Date: 03.25.2002

**EUT:** SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)  
**Model:** SPH-i330  
**FCC ID:** A3LSPHI330

**REFERENCE:** 1 kHz = 0 dB



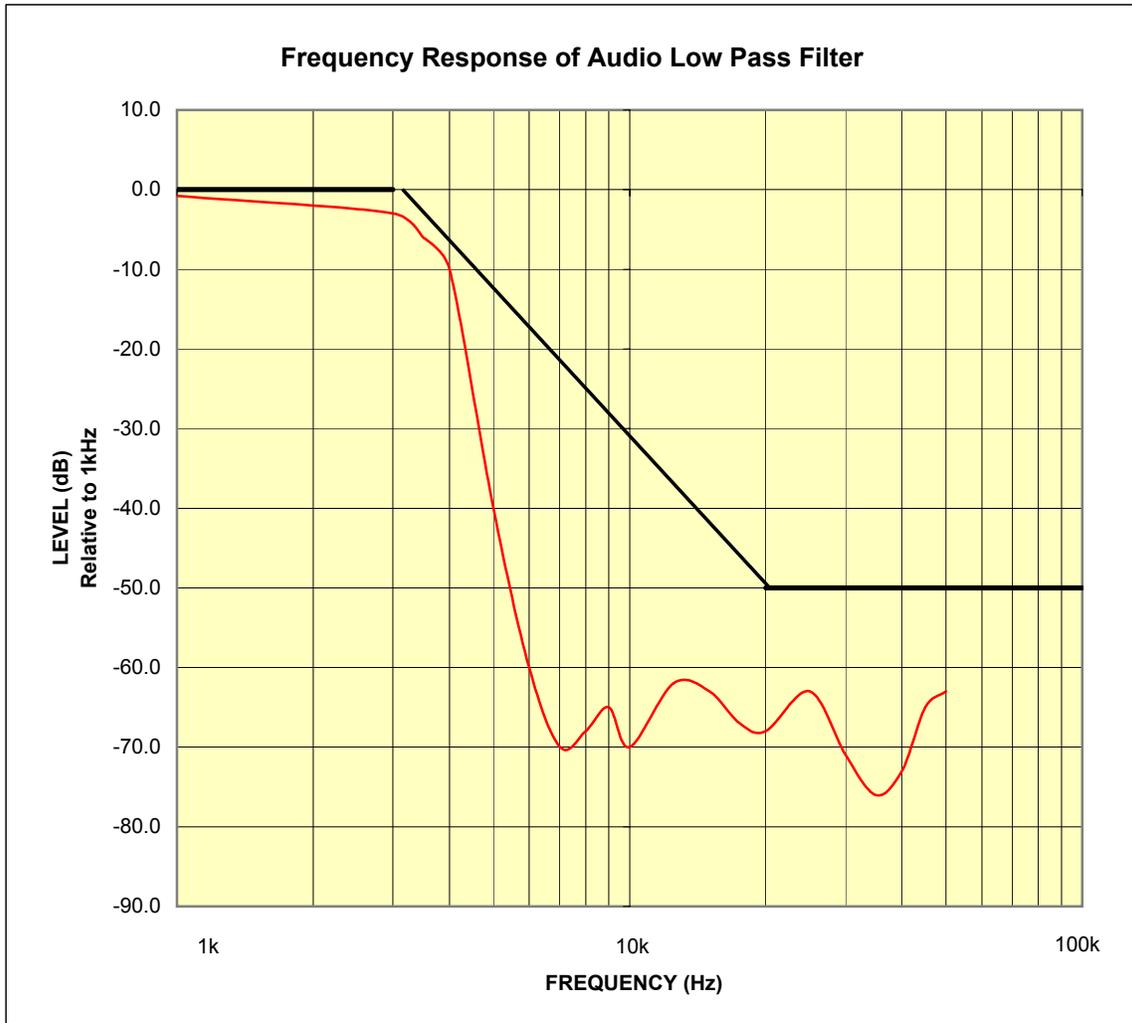
**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 24/22

Test Report No.: 22/24.220325125.A3L  
Test Date: 03.25.2002

**EUT:** SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)  
**Model:** SPH-i330  
**FCC ID:** A3LSPHI330

**REFERENCE:** 1 kHz = 0 dB



**PCTEST Engineering Lab., Inc.**

**SUBJECT:** Modulation Characteristics  
FCC Part 24/22

Test Report No.: 22/24.220325125.A3L  
Test Date: 03.25.2002

**EUT:** SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)  
**Model:** SPH-i330  
**FCC ID:** A3LSPHI330

**REFERENCE:** 1 kHz = 0 dB

