

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

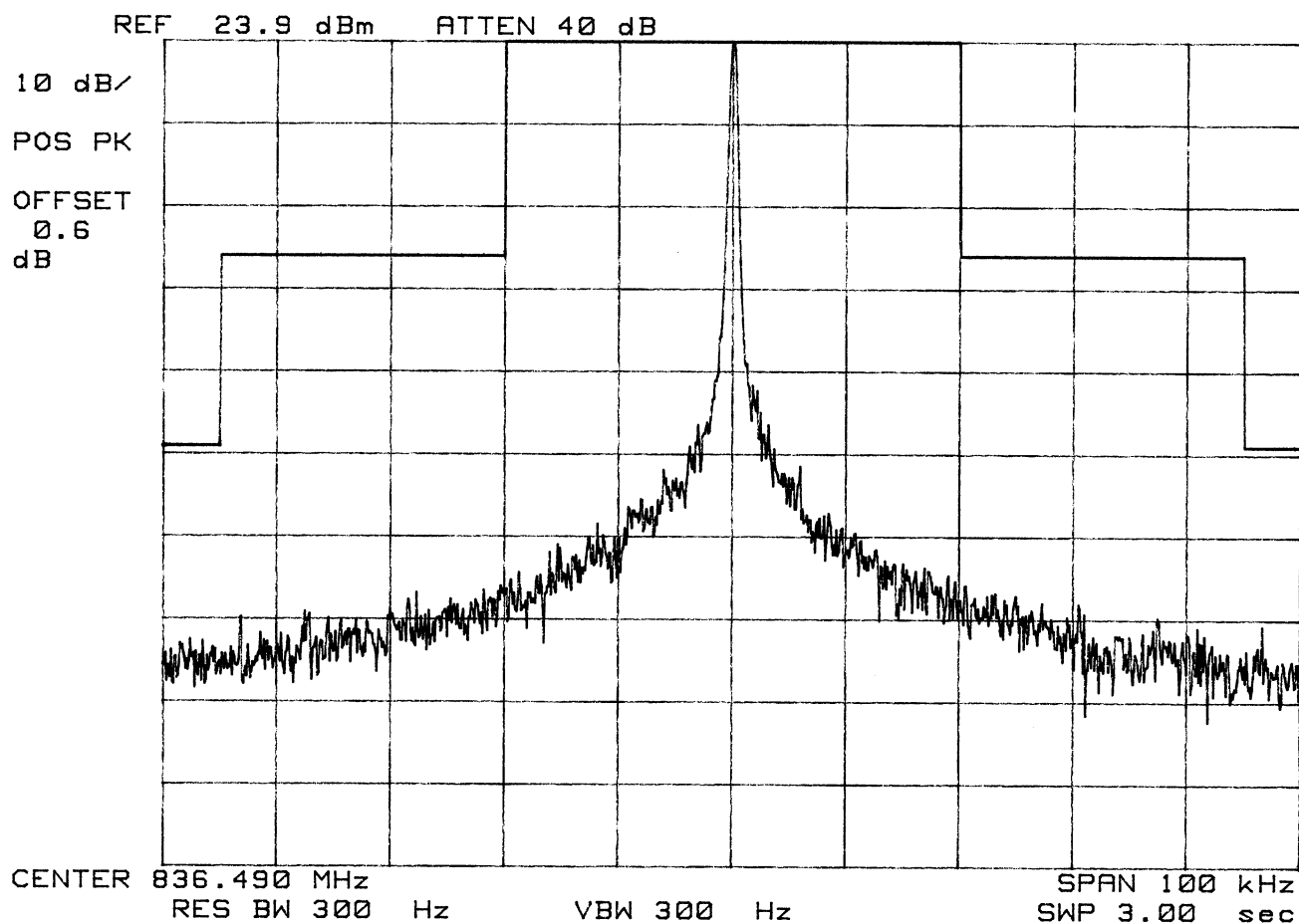
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:Unmodulated Signal



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

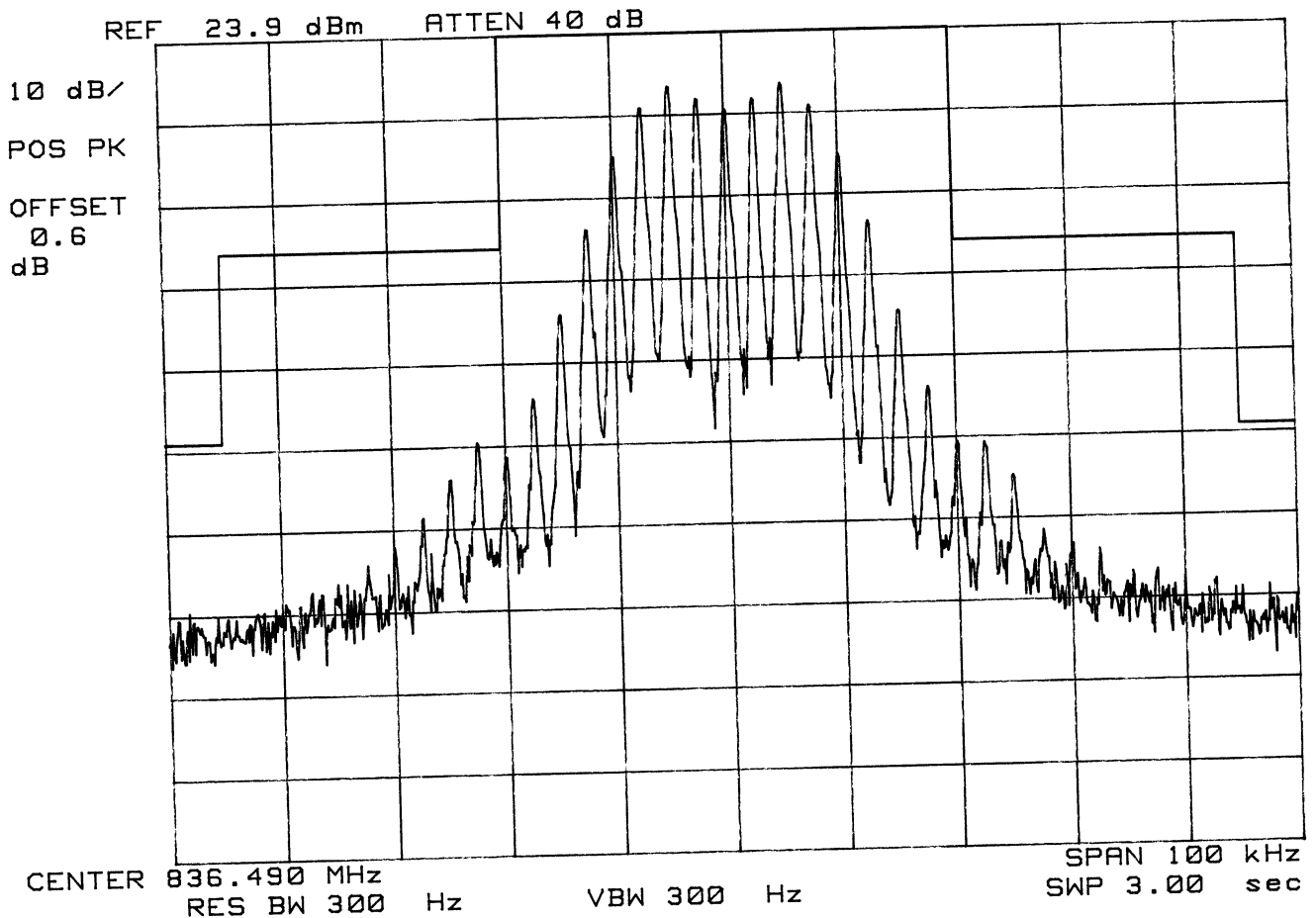
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

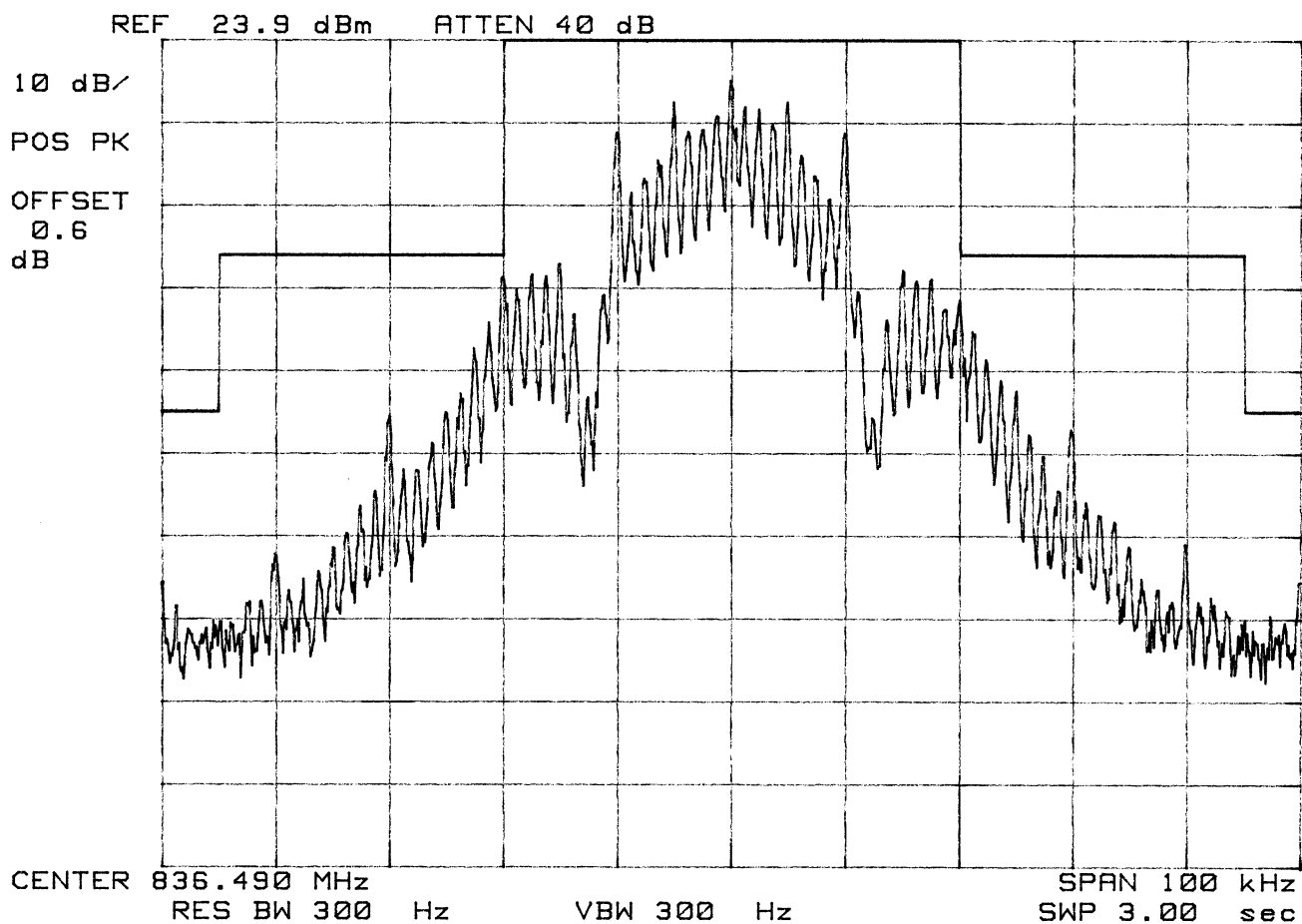
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:Wide Band Data



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

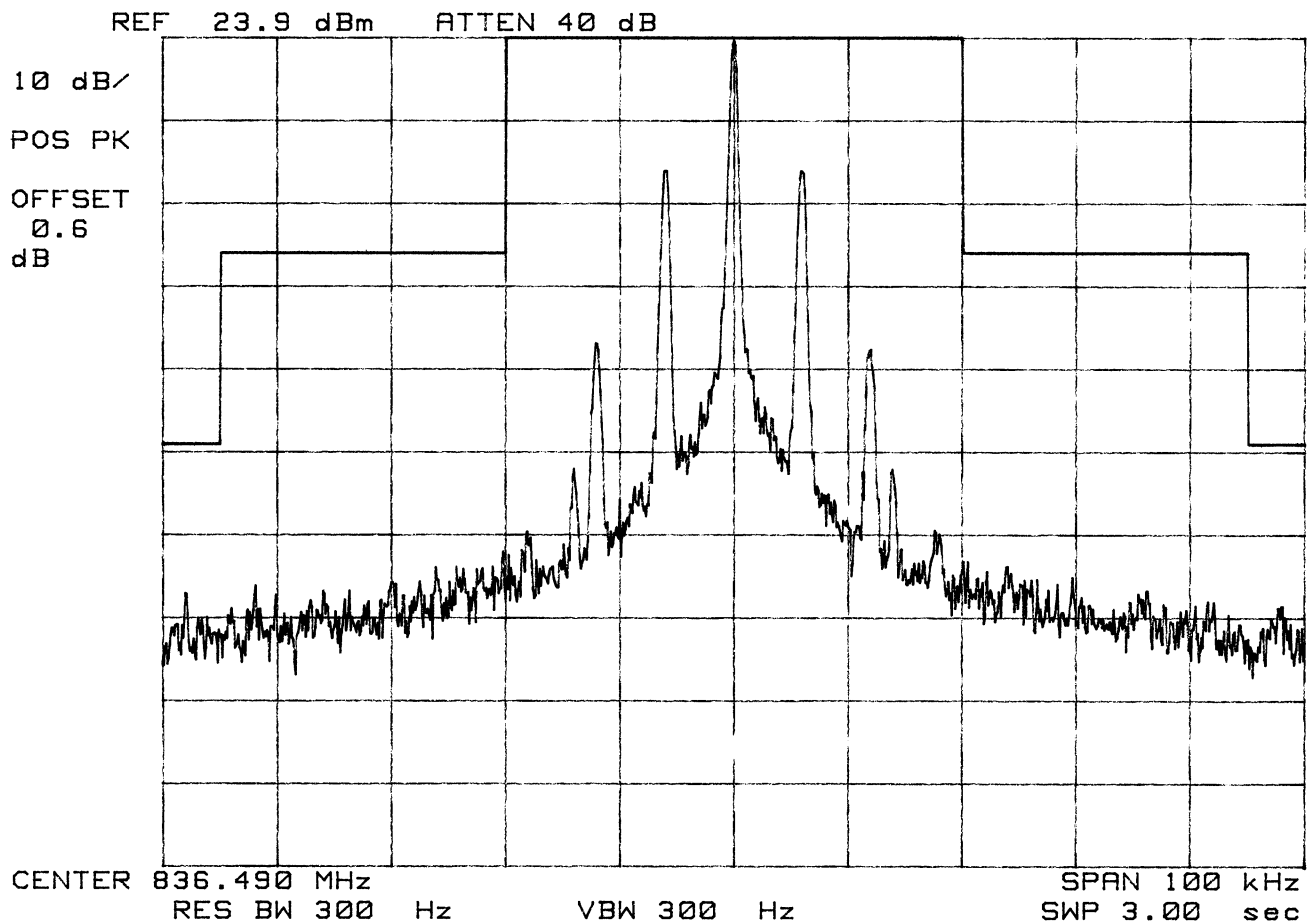
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:SAT



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

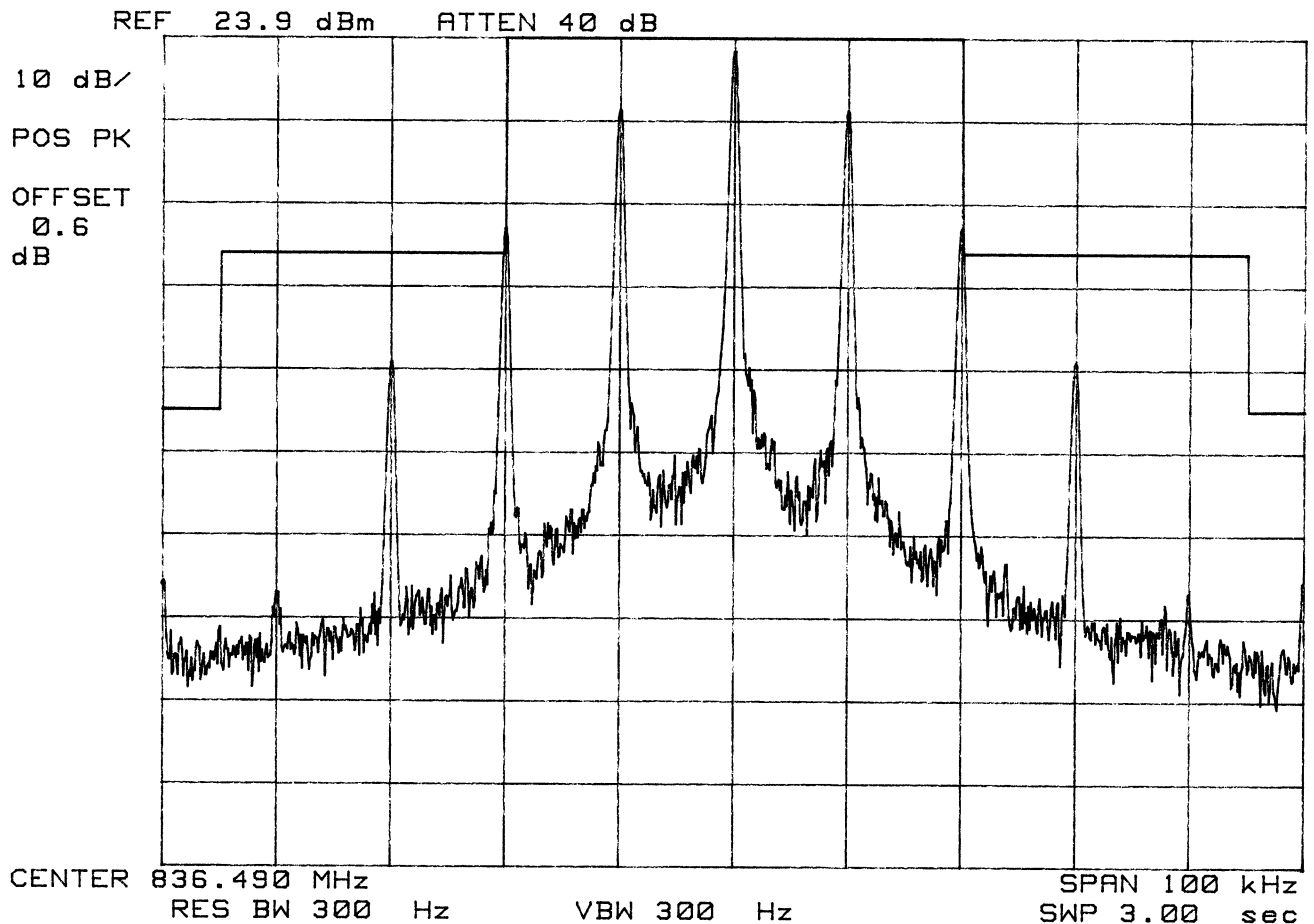
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

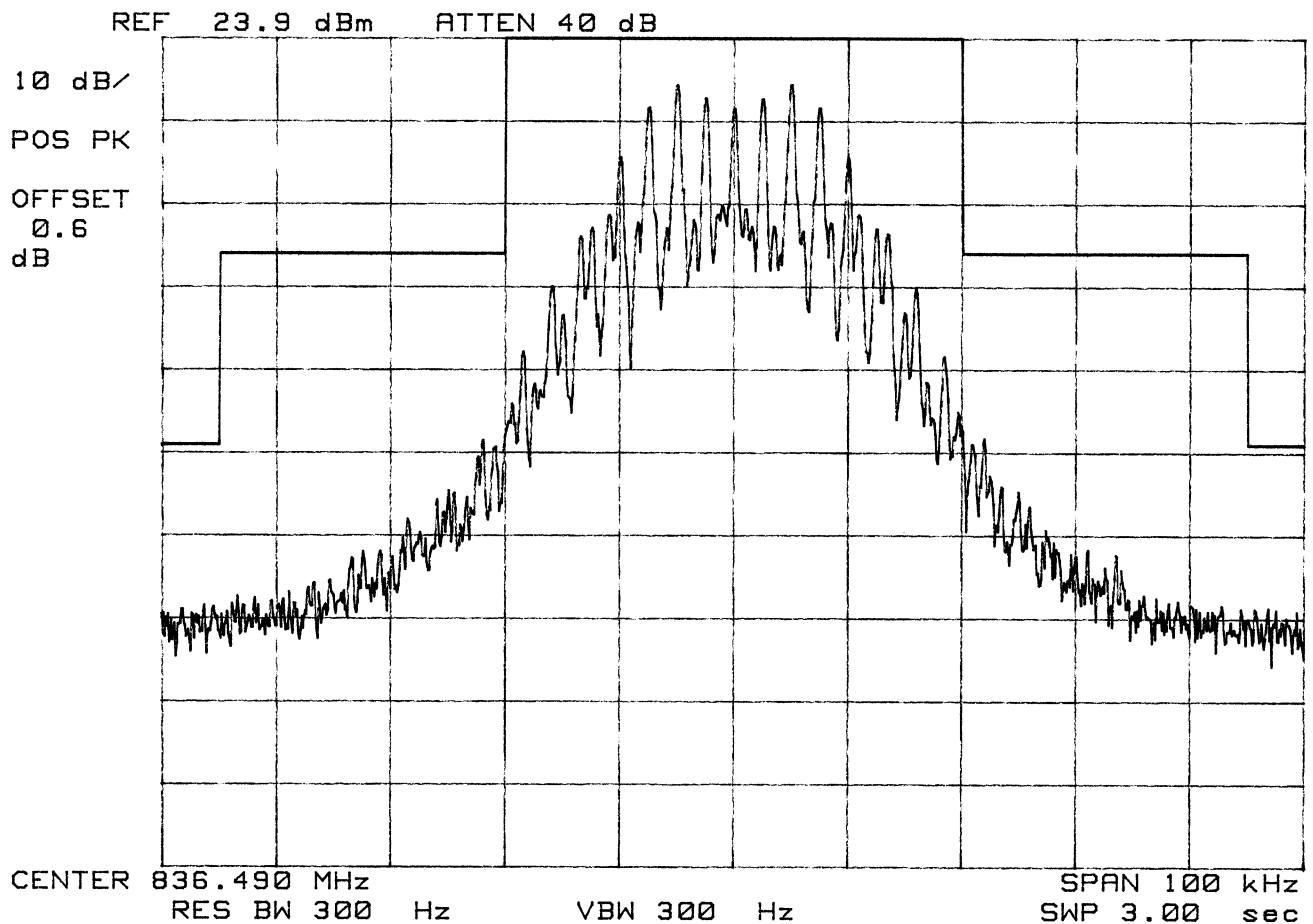
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:SAT + Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

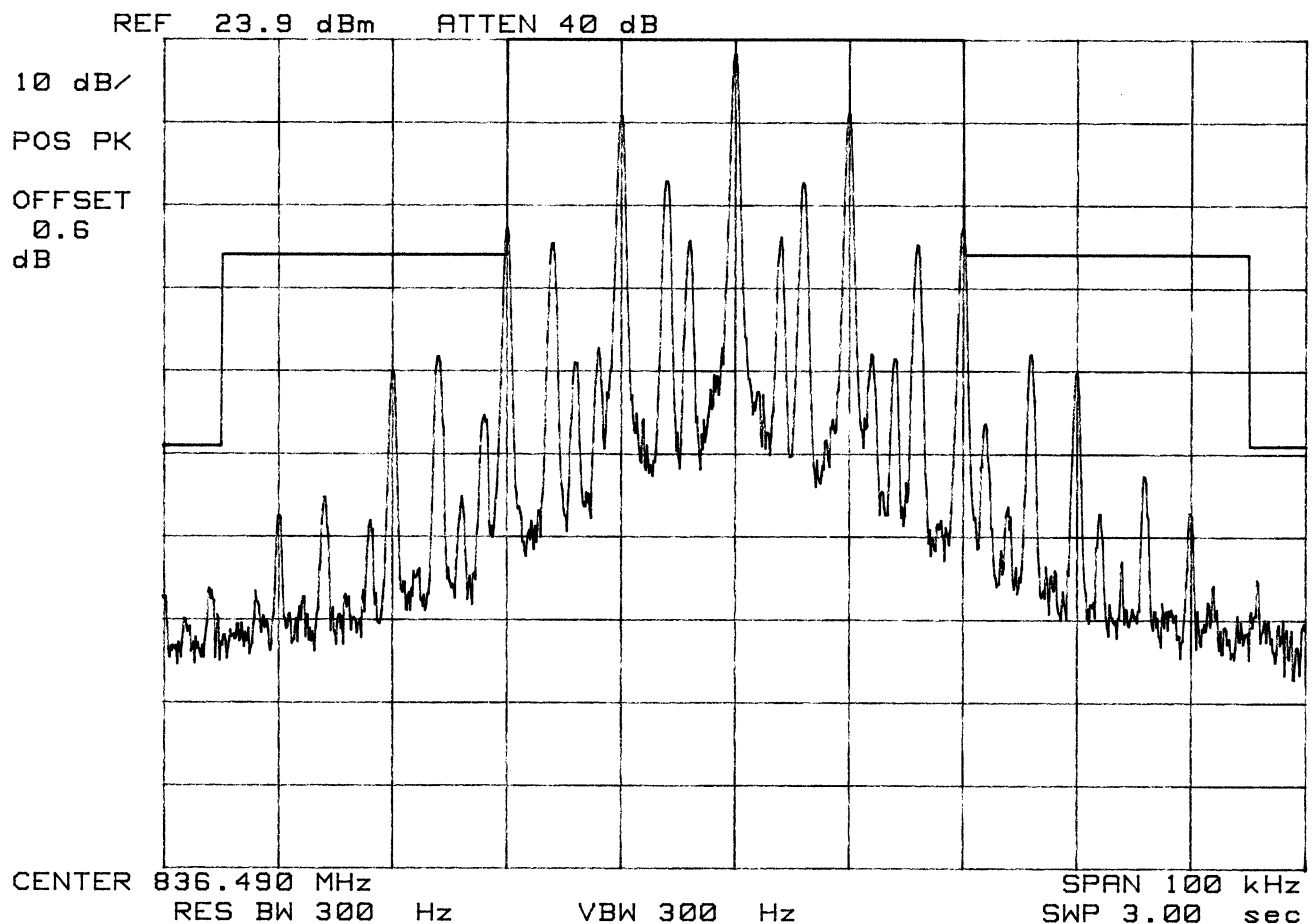
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

Test Mode:SAT + ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:AEZSCP-81H

SANYO

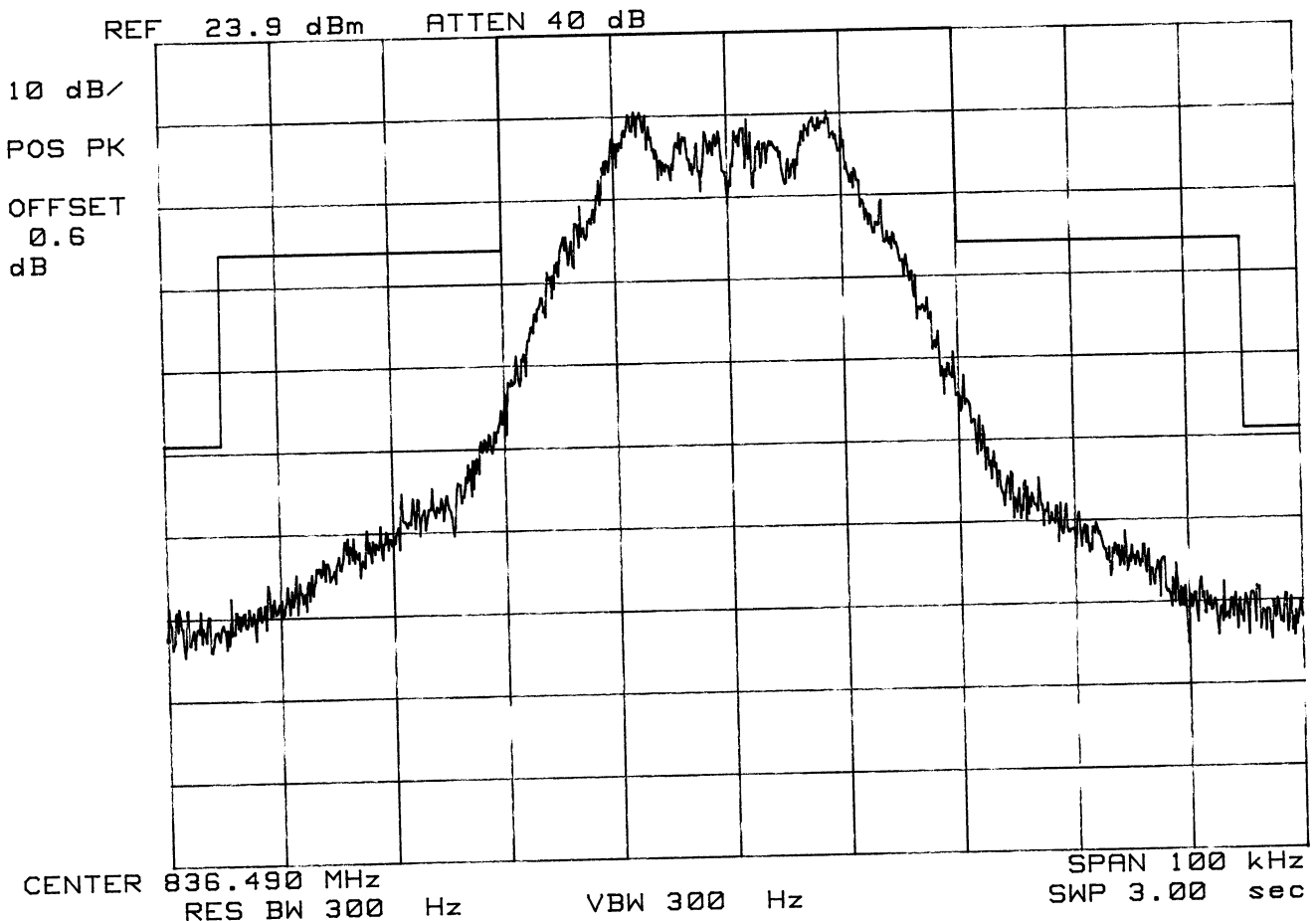
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 23.9 dBm

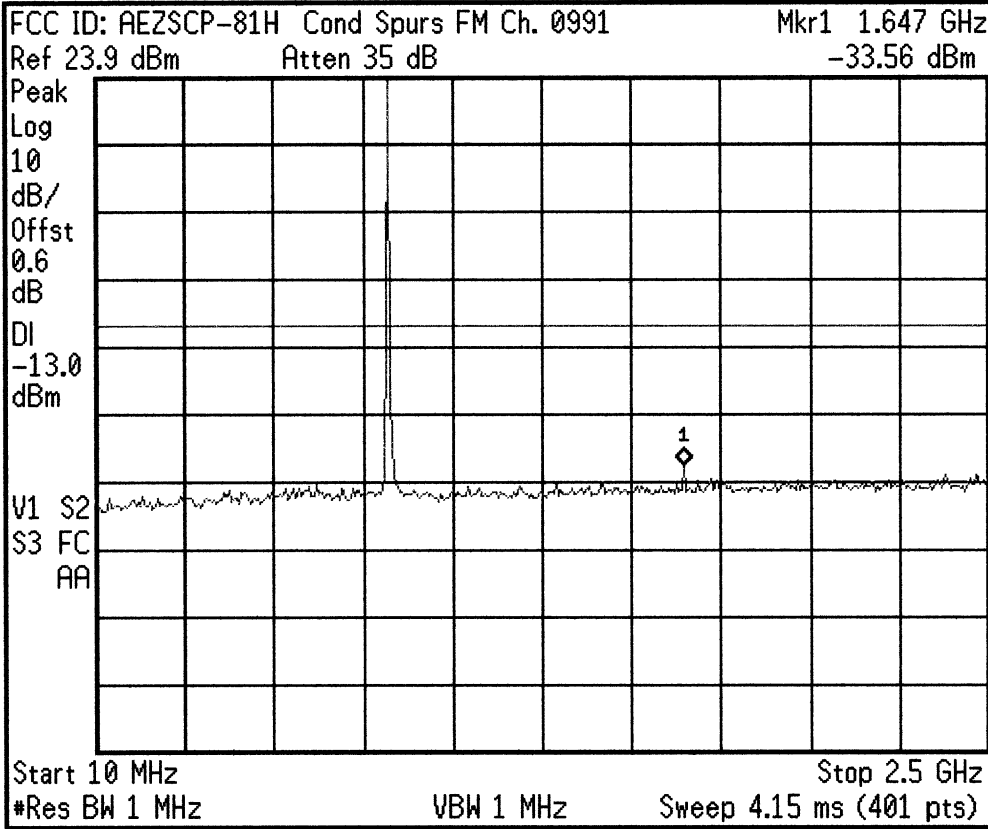
Test Mode:SAT + DTMF





\* 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

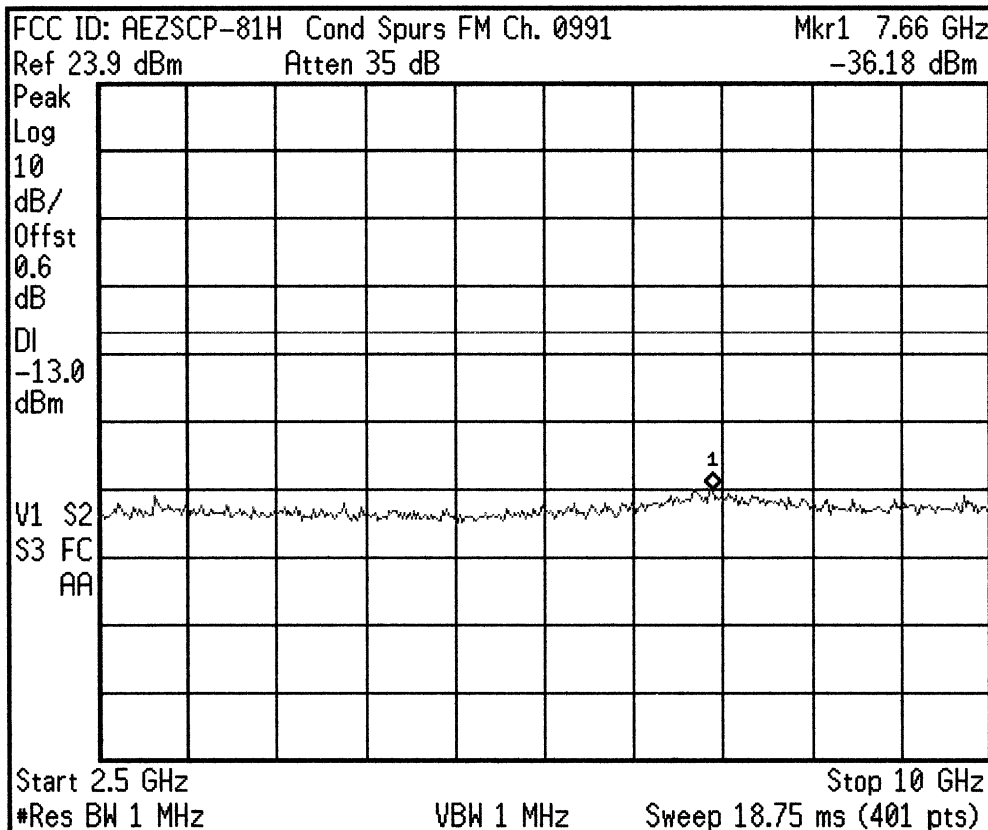
Freq Offset  
0.00000000 Hz

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

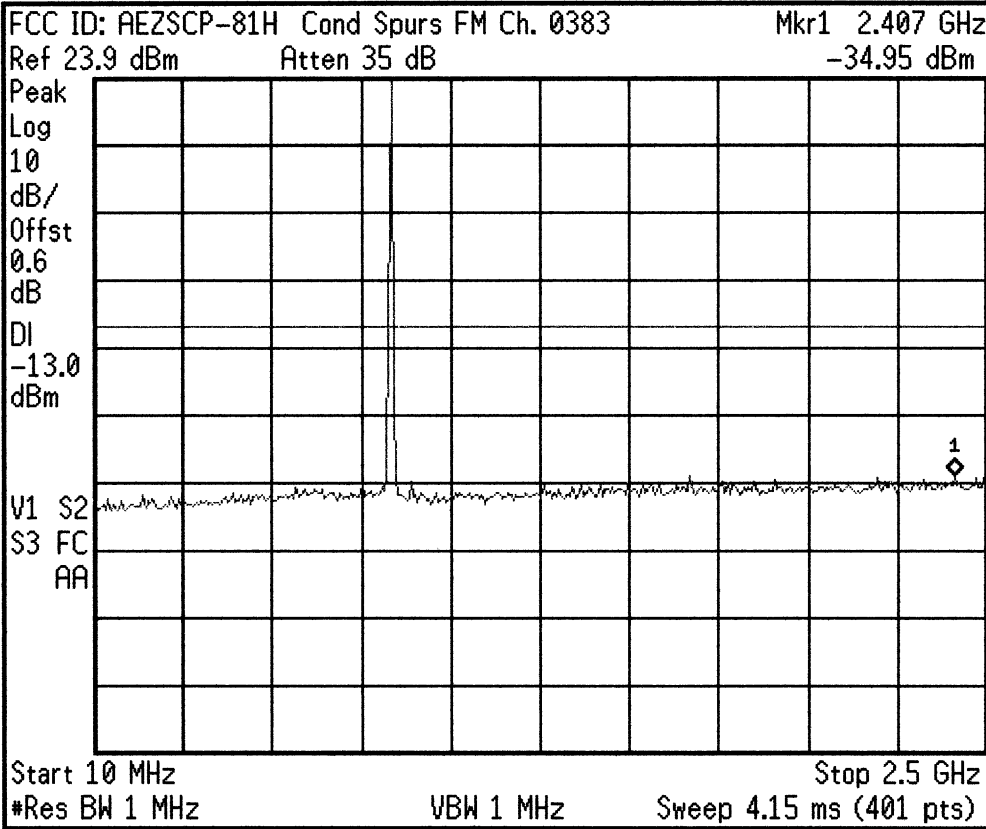
Freq Offset  
0.00000000 Hz

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

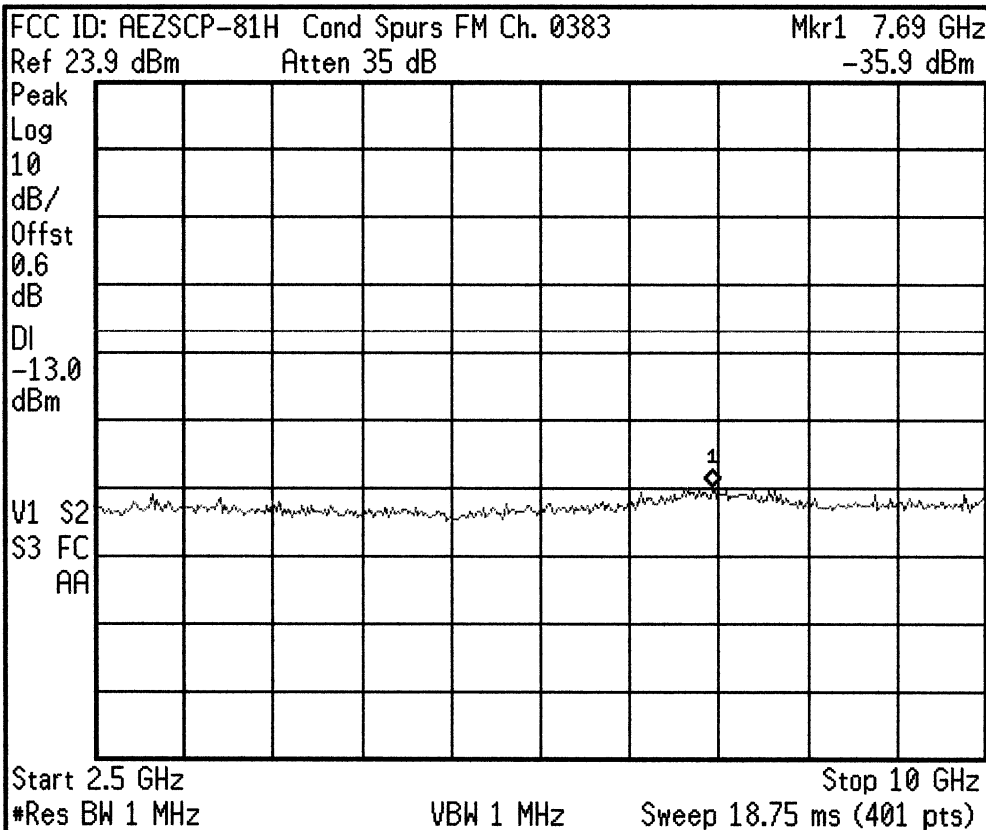
Freq Offset  
0.00000000 Hz

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

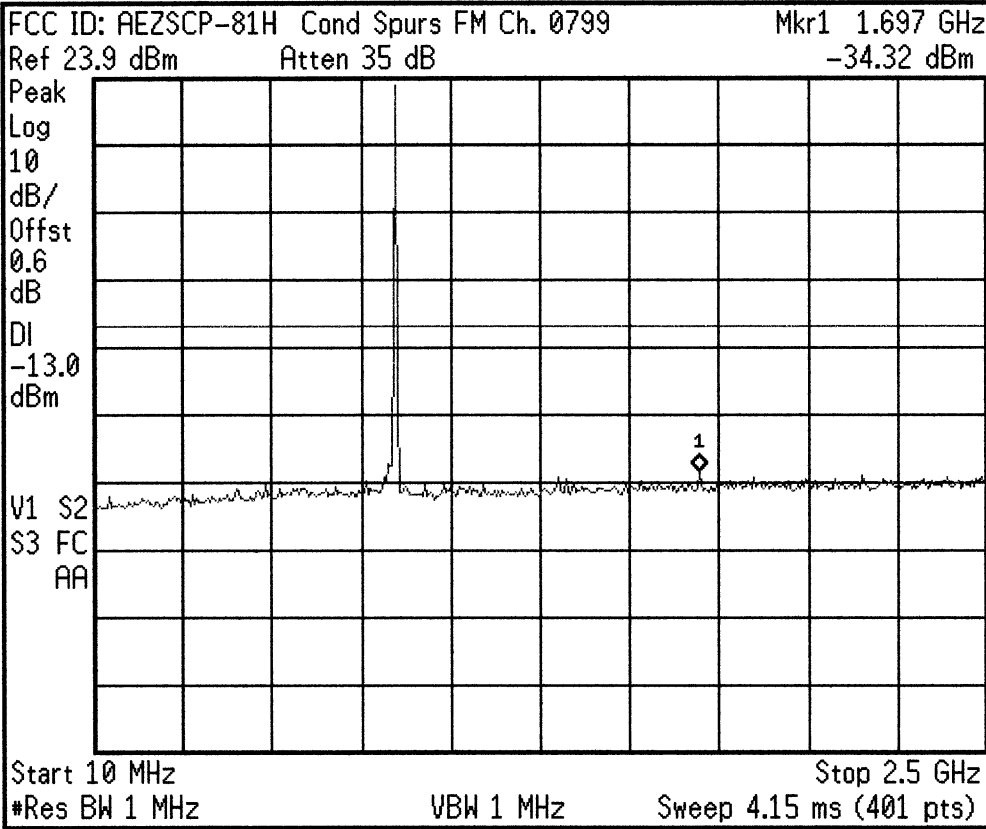
Freq Offset  
0.00000000 Hz

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

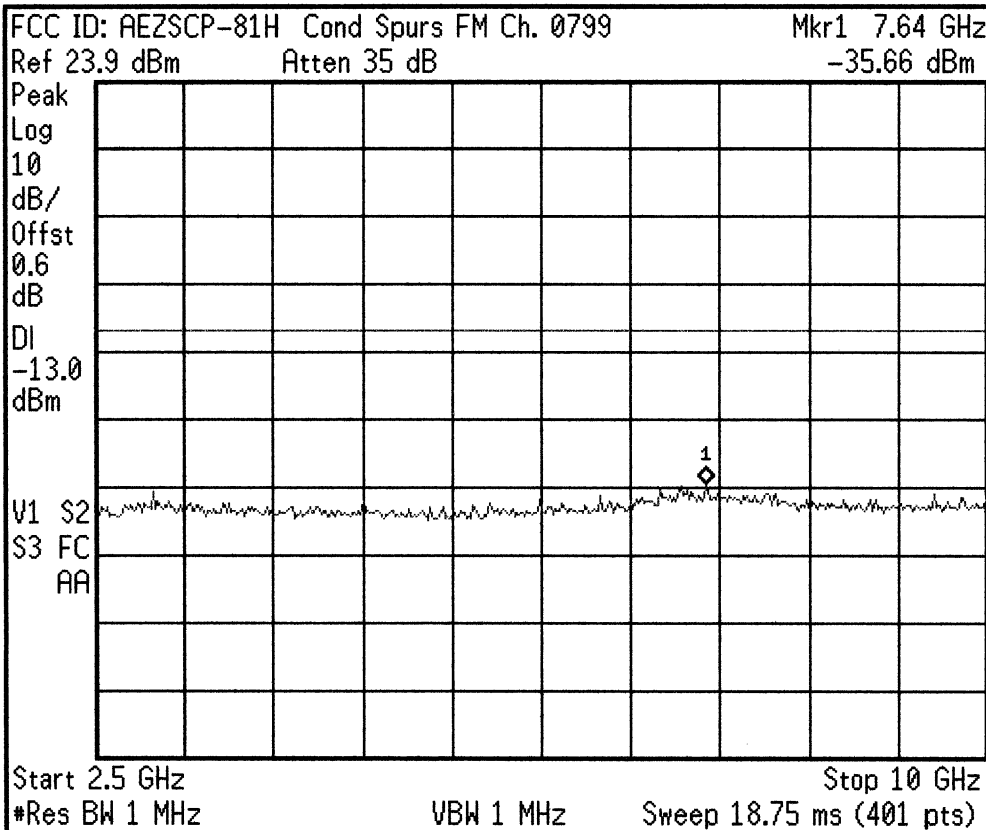
Freq Offset  
0.00000000 Hz

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

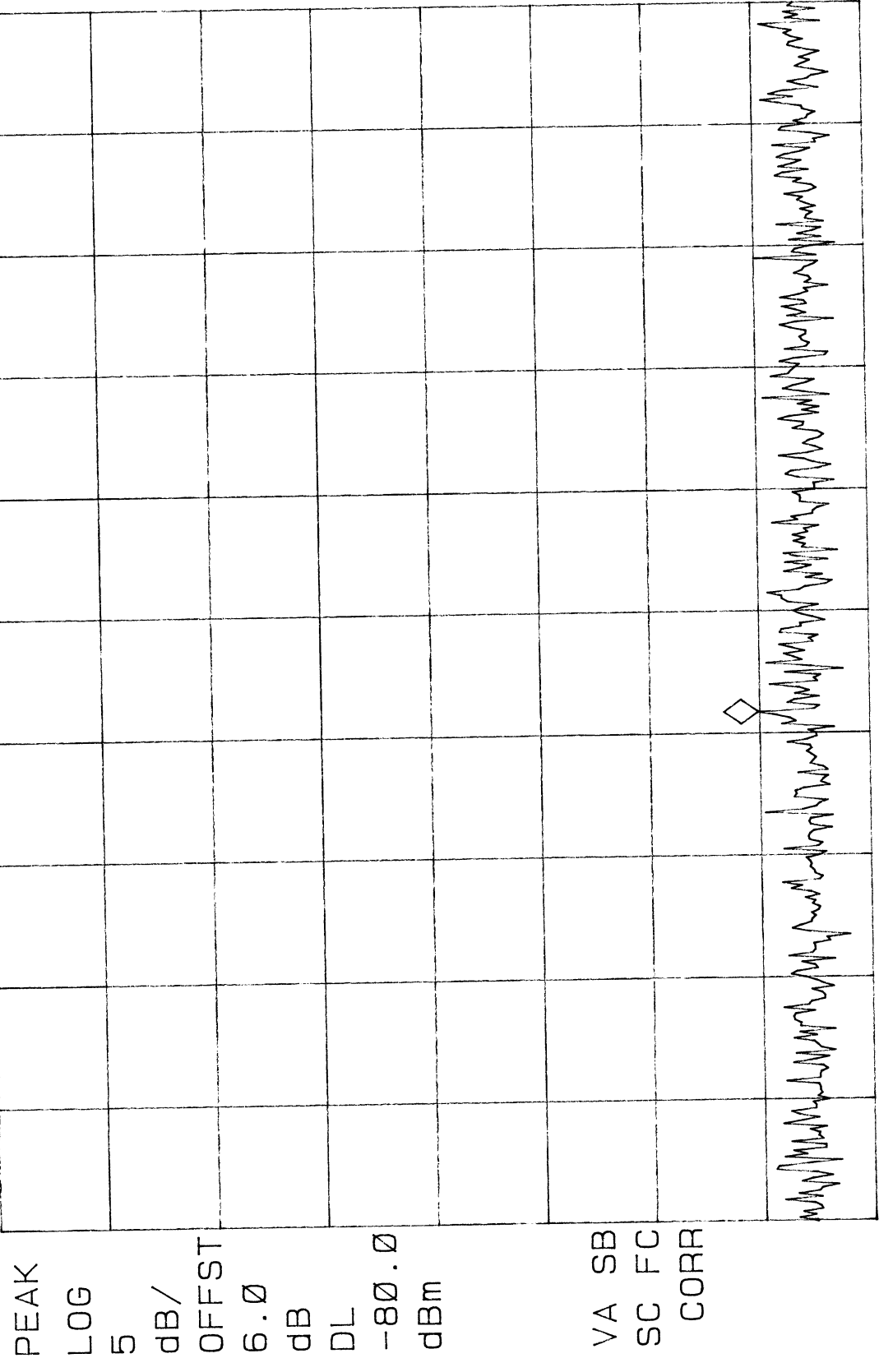
CF Step  
750.000000 MHz  
Auto Man

Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

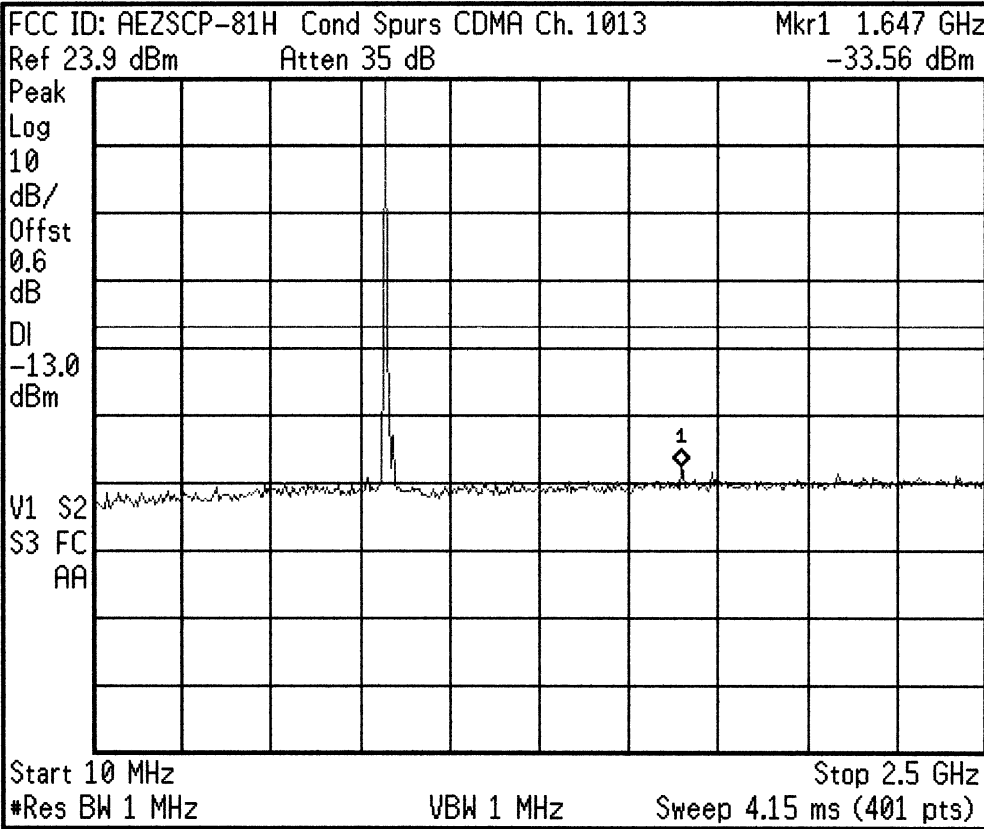
70 FCC ID: AEZSCP-81H FM MKR 879.44 MHz  
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -94.94 dBm



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

\* Agilent

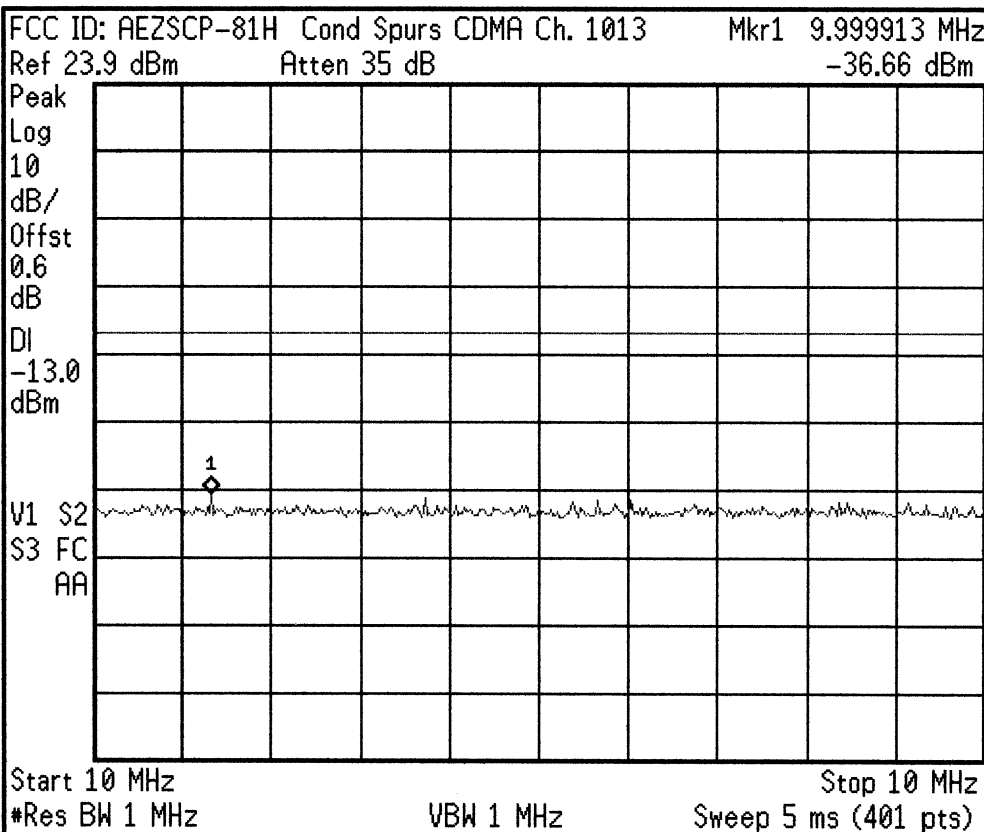
L



<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

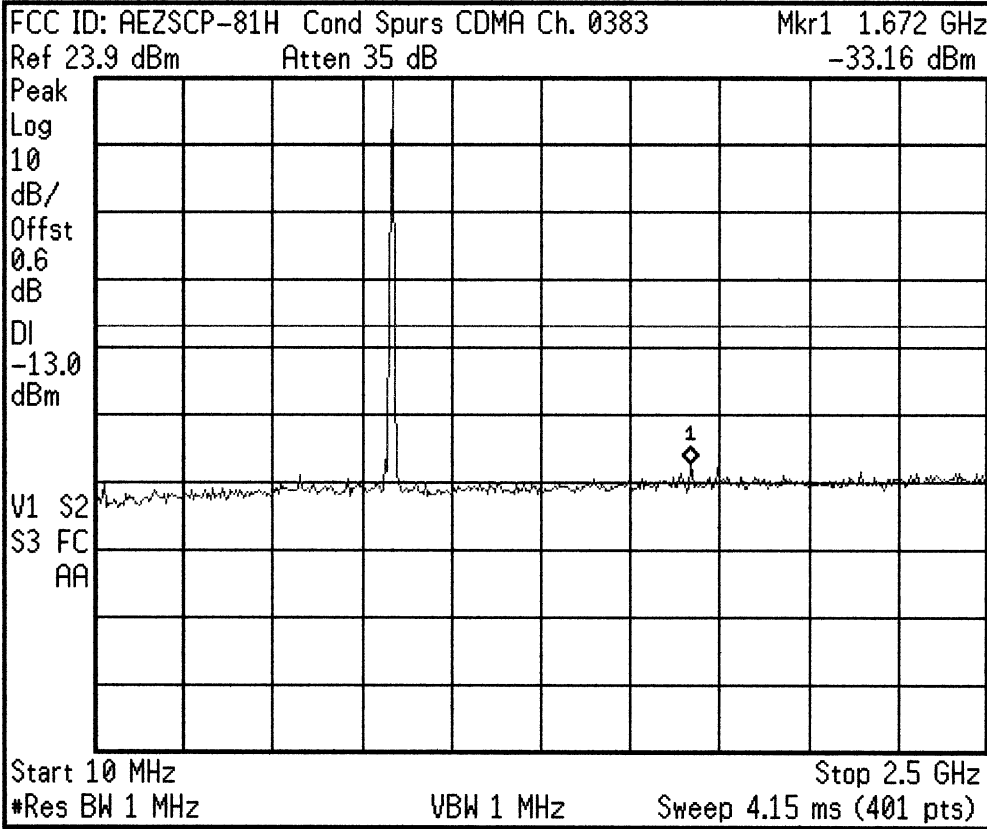
L



<b>Freq/Channel</b>	
<b>Center Freq</b>	9.99995000 MHz
<b>Start Freq</b>	9.99990000 MHz
<b>Stop Freq</b>	10.00000000 MHz
<b>CF Step</b>	10.0000000 Hz Auto Man
<b>Freq Offset</b>	0.00000000 Hz
<b>Signal Track</b>	On Off
<b>Scale Type</b>	Log Lin

Agilent

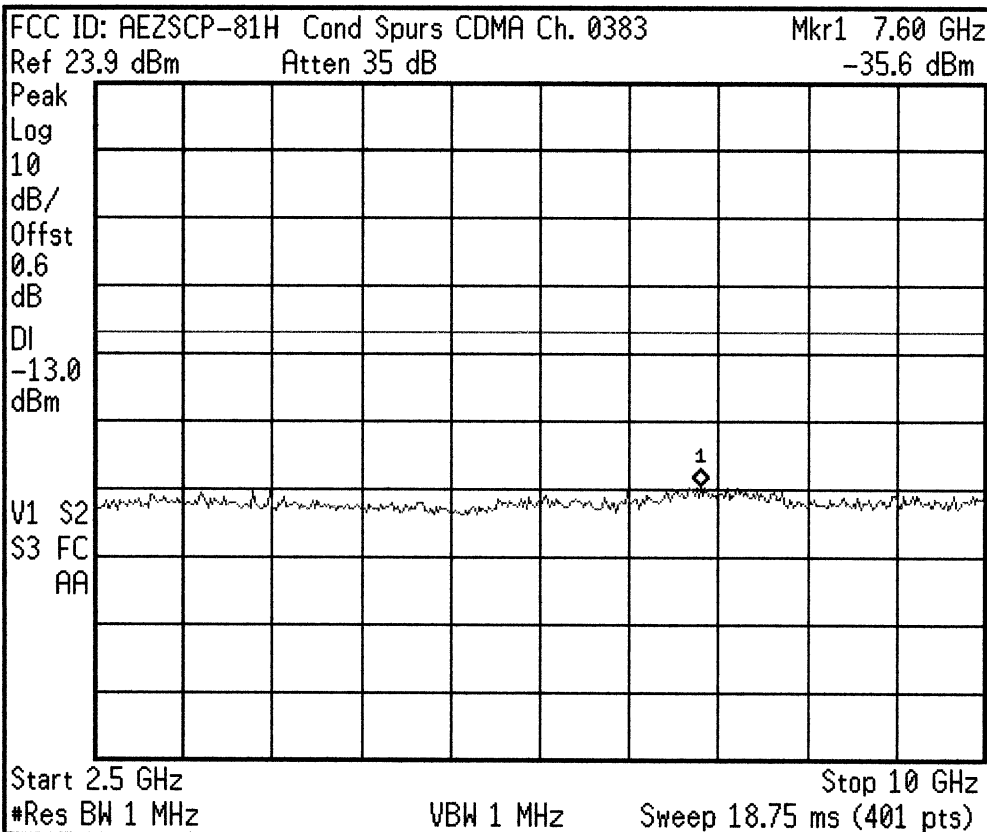
L



<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

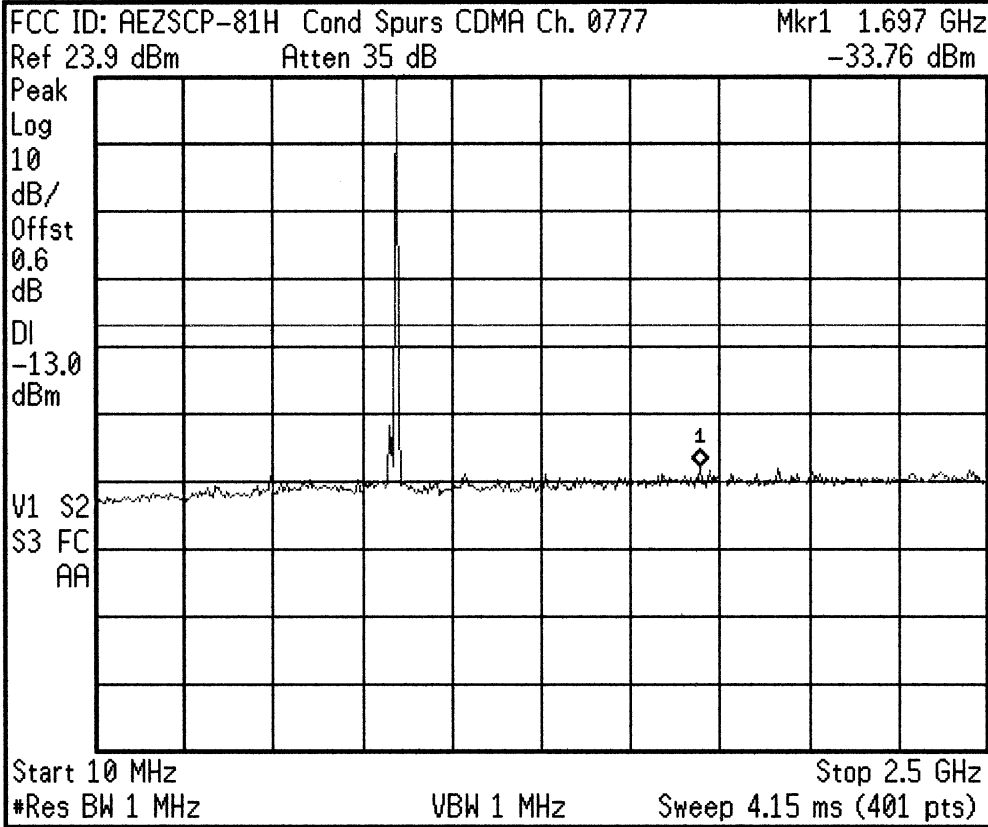
L



<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

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

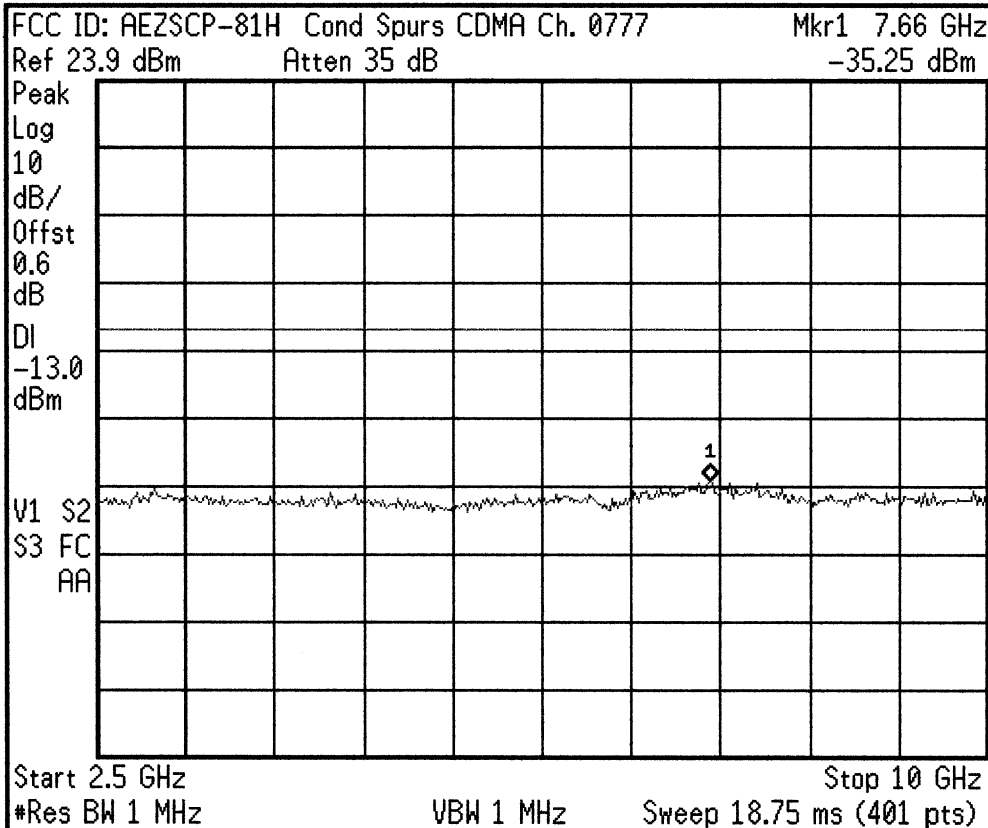
Freq Offset  
0.00000000 Hz

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

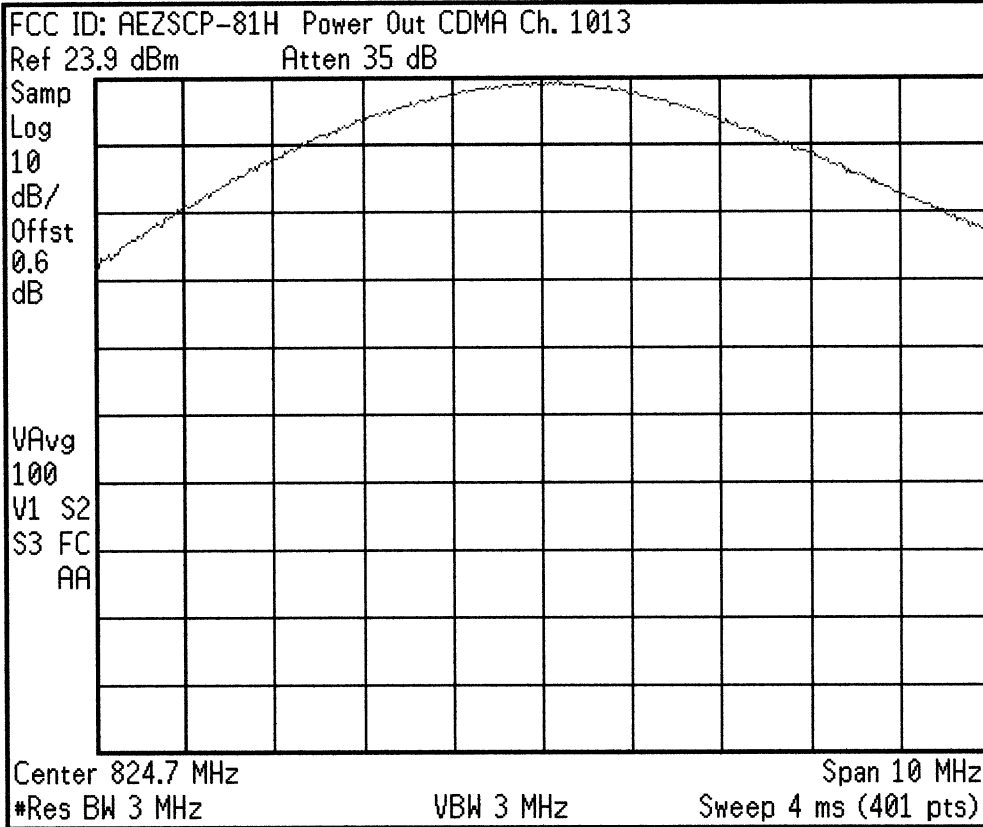
Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Agilent

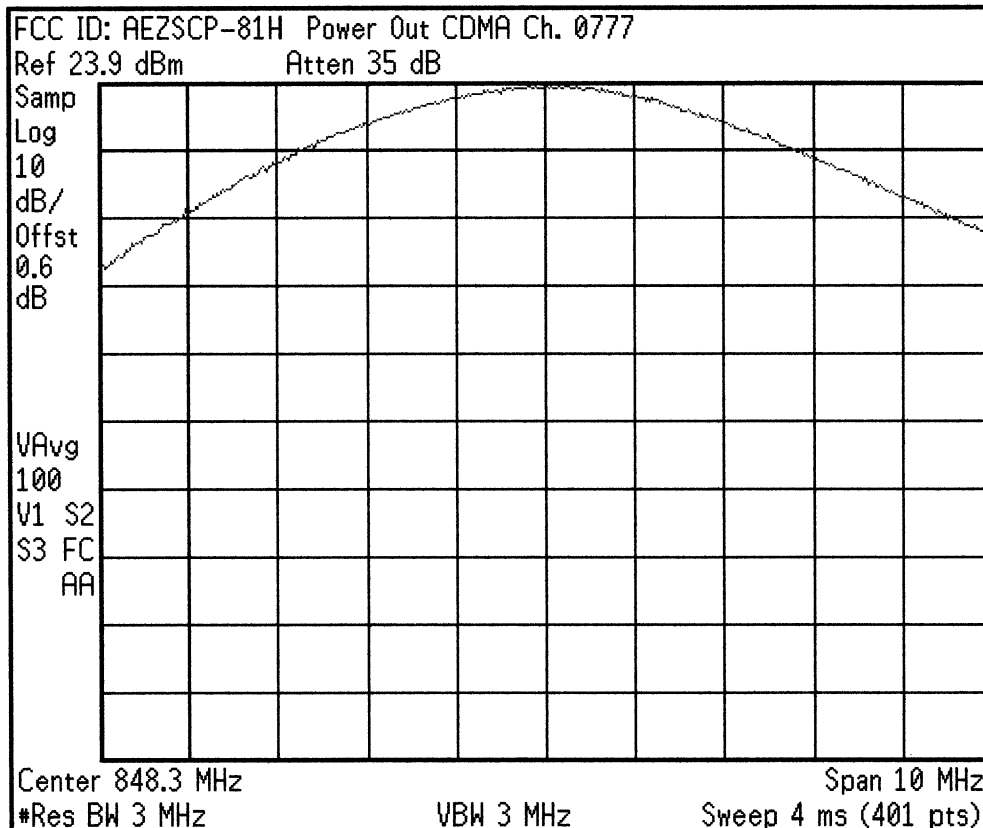
L



<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 Off
<b>Scale Type</b> Log Lin

Agilent

L

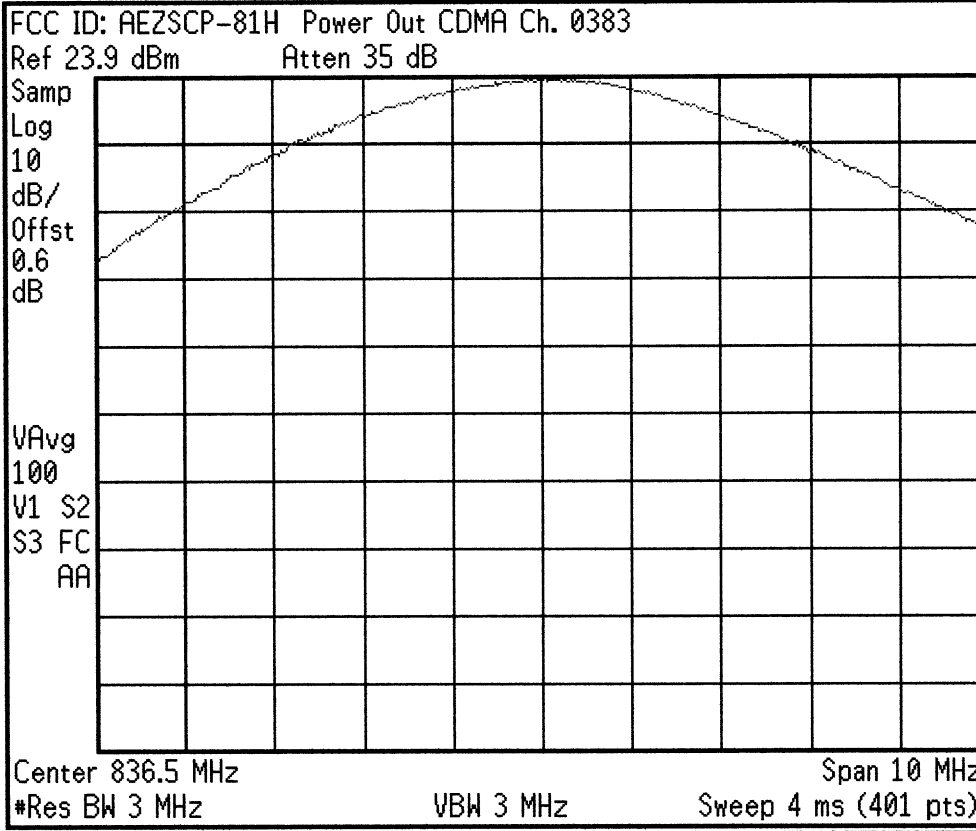


<b>Freq/Channel</b>
<b>Center Freq</b> 848.310000 MHz
<b>Start Freq</b> 843.310000 MHz
<b>Stop Freq</b> 853.310000 MHz
<b>CF Step</b> 1.00000000 MHz Auto Man
<b>Freq Offset</b> 0.00000000 Hz
<b>Signal Track</b> On Off
<b>Scale Type</b> Log Lin



Agilent

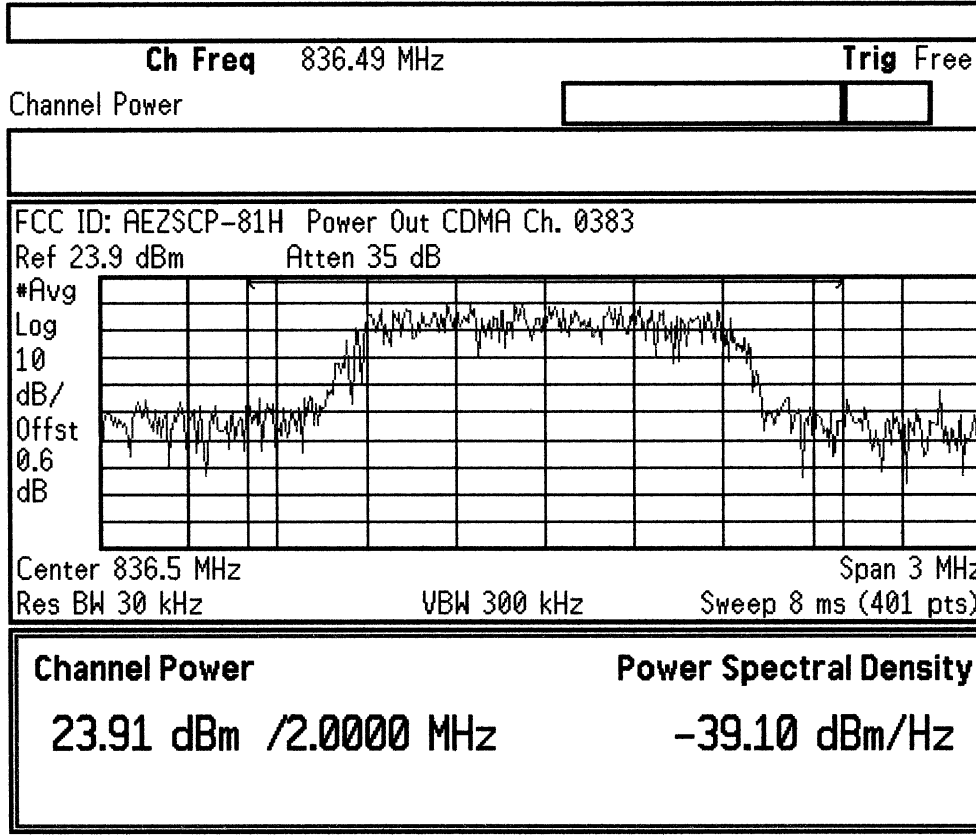
L



<b>Freq/Channel</b>
<b>Center Freq</b> 836.490000 MHz
<b>Start Freq</b> 831.490000 MHz
<b>Stop Freq</b> 841.490000 MHz
<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

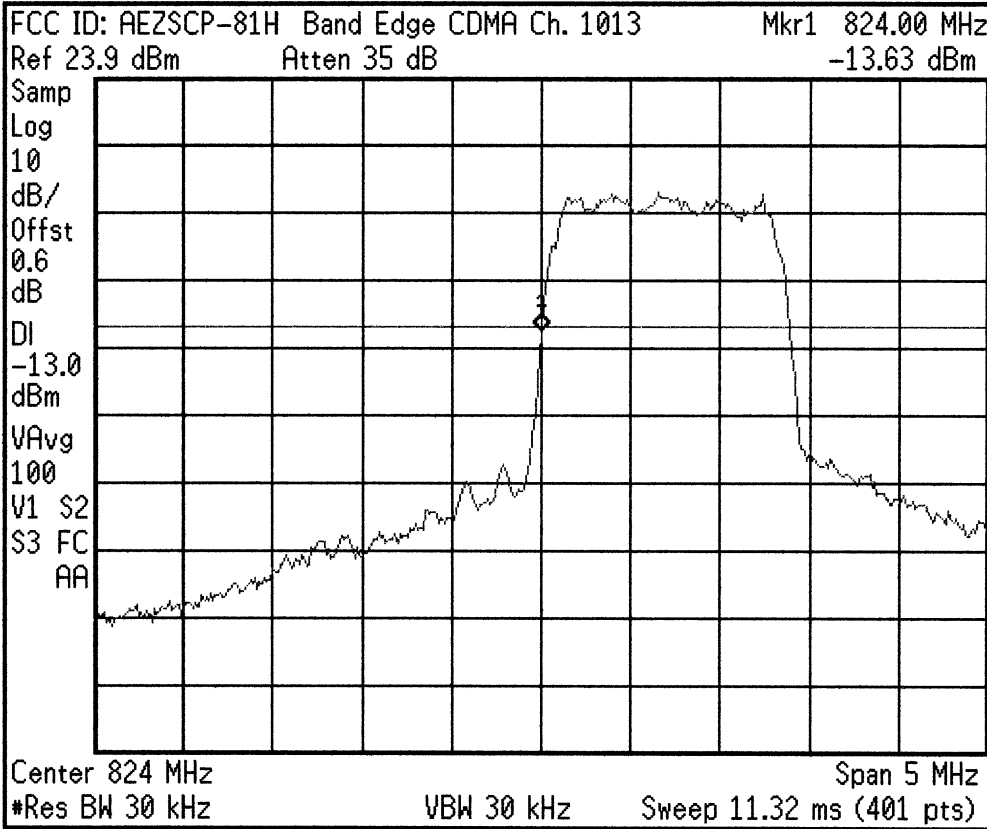
L



<b>Freq/Channel</b>
<b>Center Freq</b> 836.490000 MHz
<b>Start Freq</b> 834.990000 MHz
<b>Stop Freq</b> 837.990000 MHz
<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

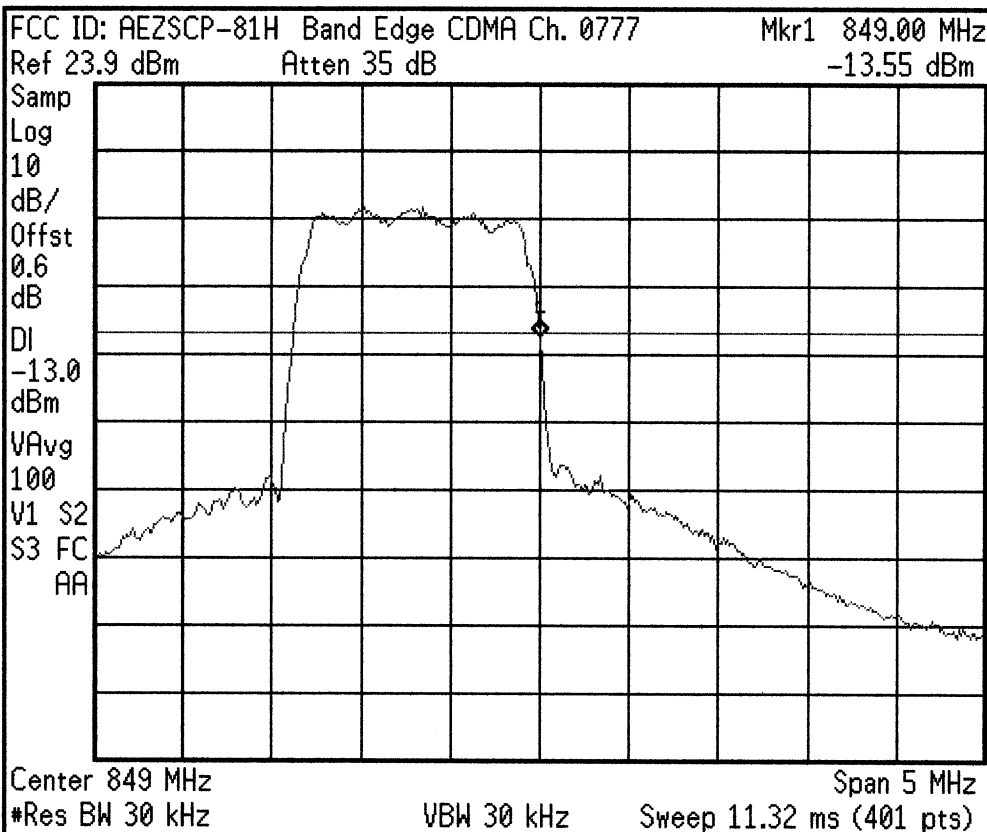
L



<b>Freq/Channel</b>
<b>Center Freq</b> 824.000000 MHz
<b>Start Freq</b> 821.500000 MHz
<b>Stop Freq</b> 826.500000 MHz
<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

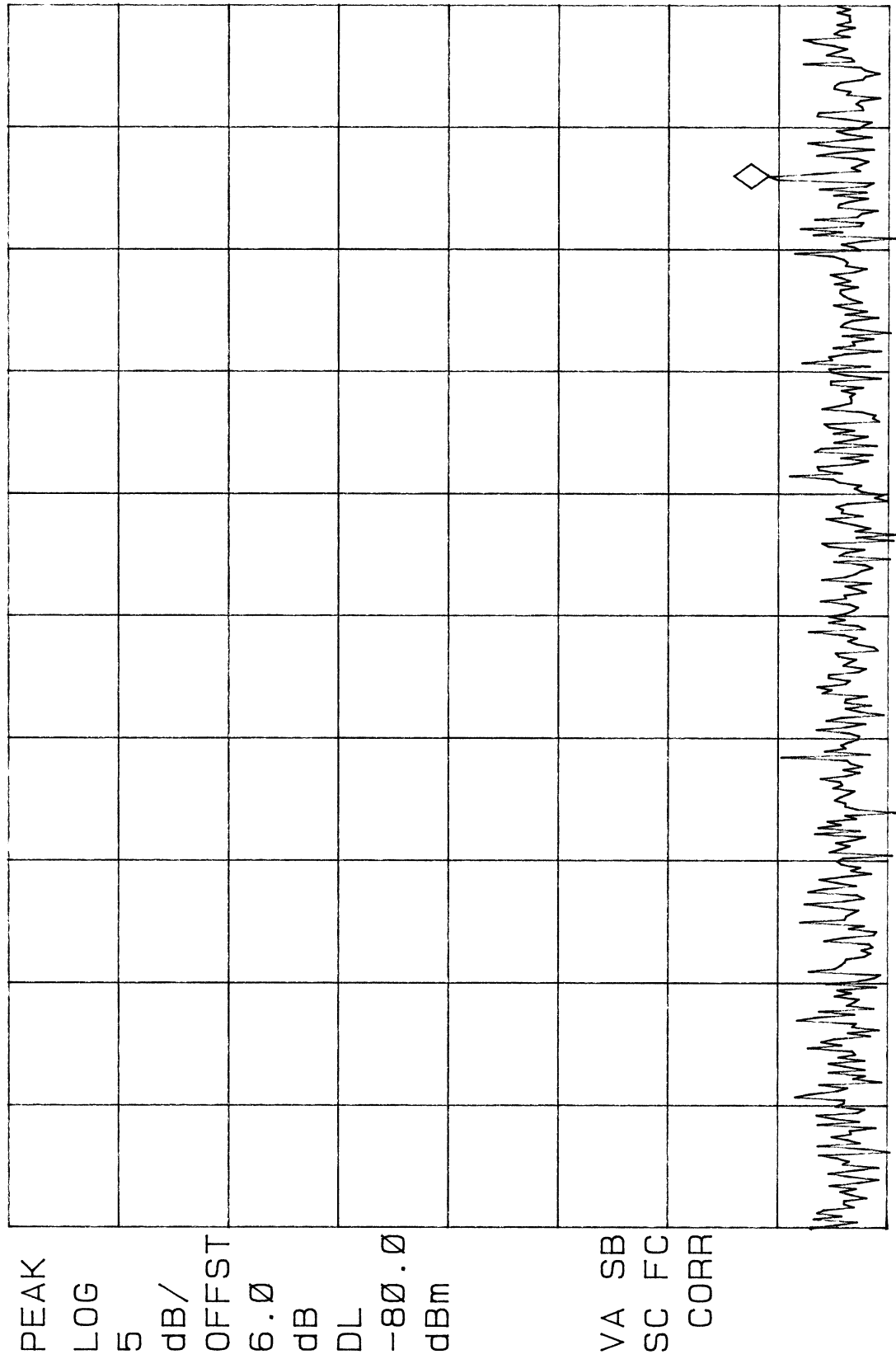
Agilent

L



<b>Freq/Channel</b>
<b>Center Freq</b> 849.000000 MHz
<b>Start Freq</b> 846.500000 MHz
<b>Stop Freq</b> 851.500000 MHz
<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

~~70~~ FCC ID: AEZSCP-81H CDMA MKR 890.50 MHz  
 REF -60.0 dBm ATTN 10 dB PG 25.0 dB -94.55 dBm



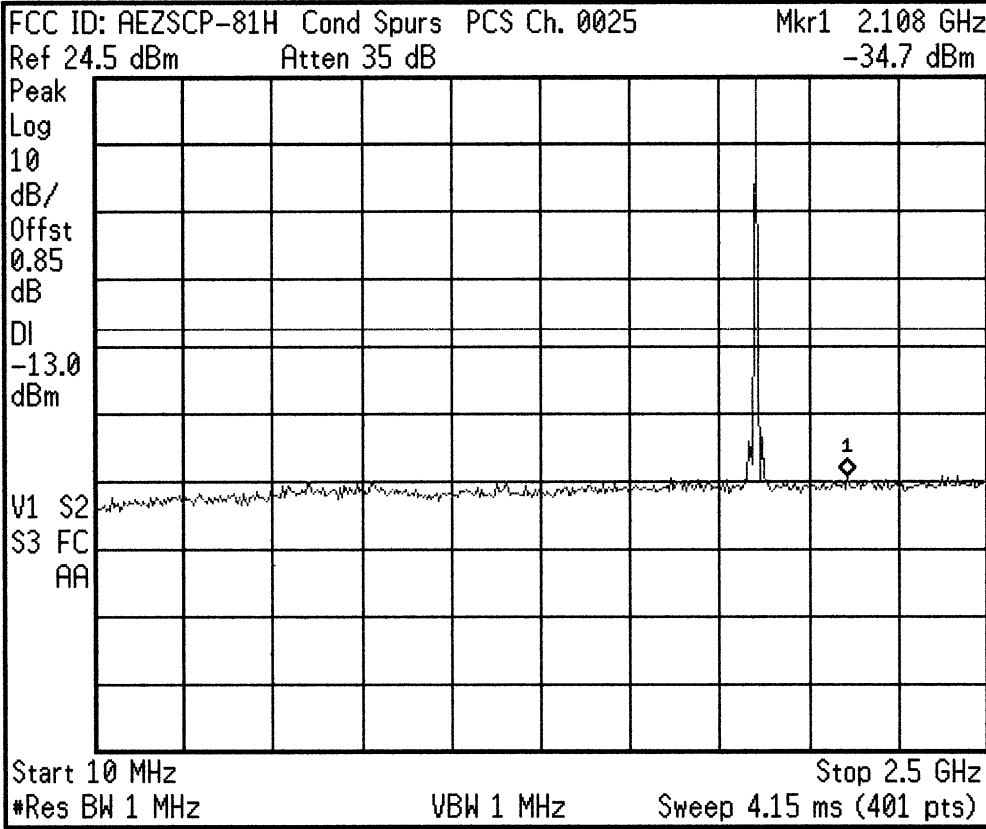
PEAK  
 LOG  
 5  
 dB/  
 OFFST  
 6.0  
 dB  
 DL  
 -80.0  
 dBm

VA SB  
 SC FC  
 CORR

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

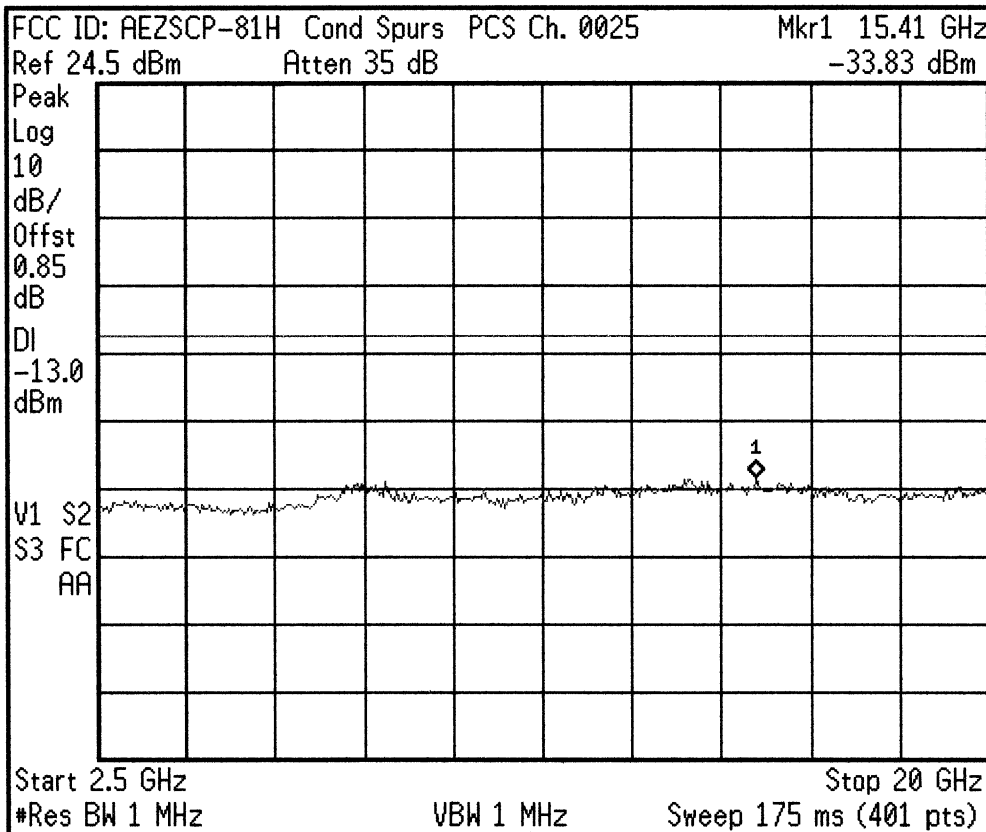
Freq Offset  
0.00000000 Hz

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

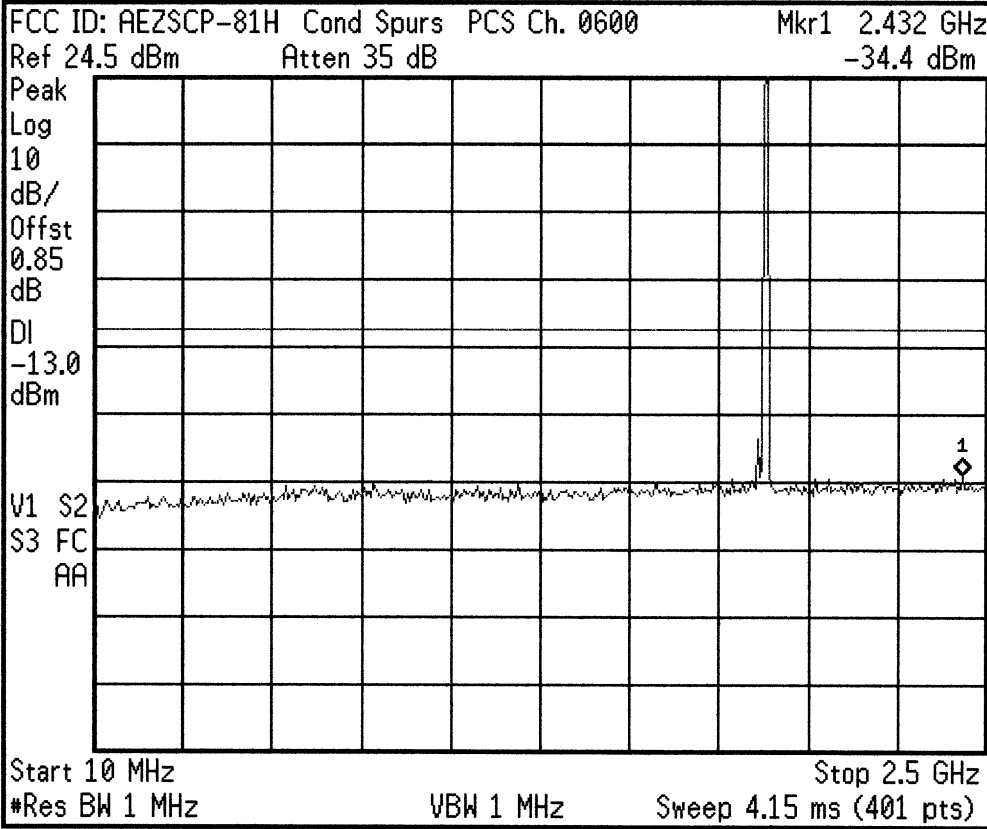
Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Agilent

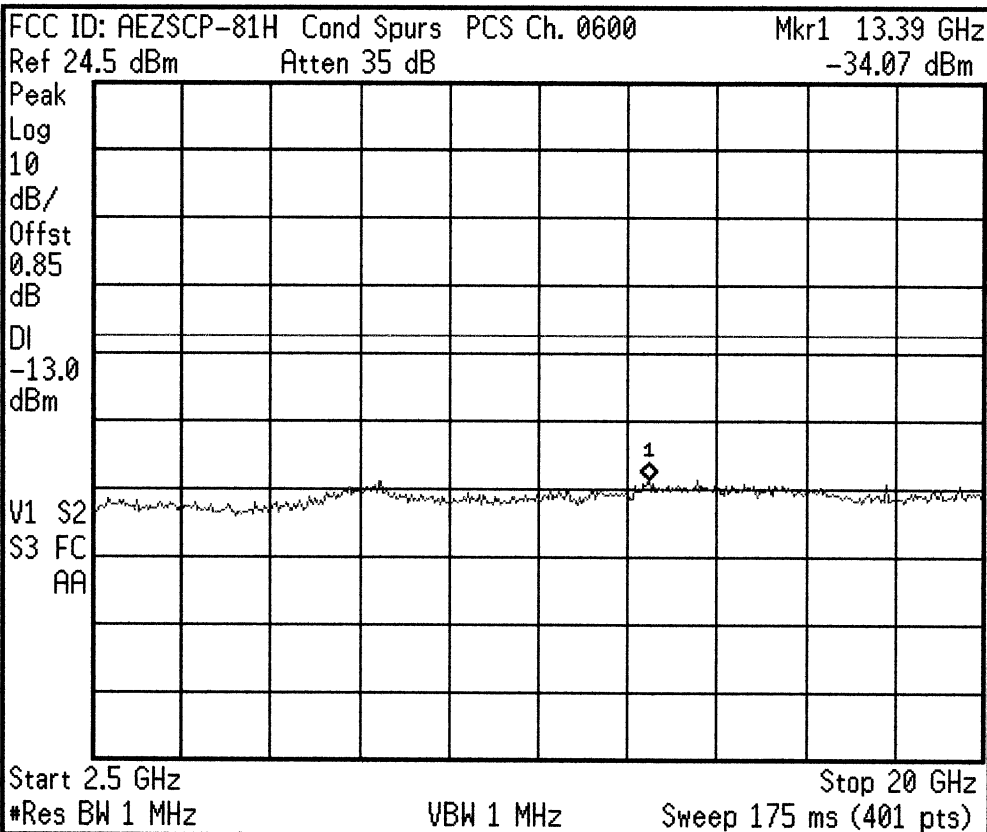
L



<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

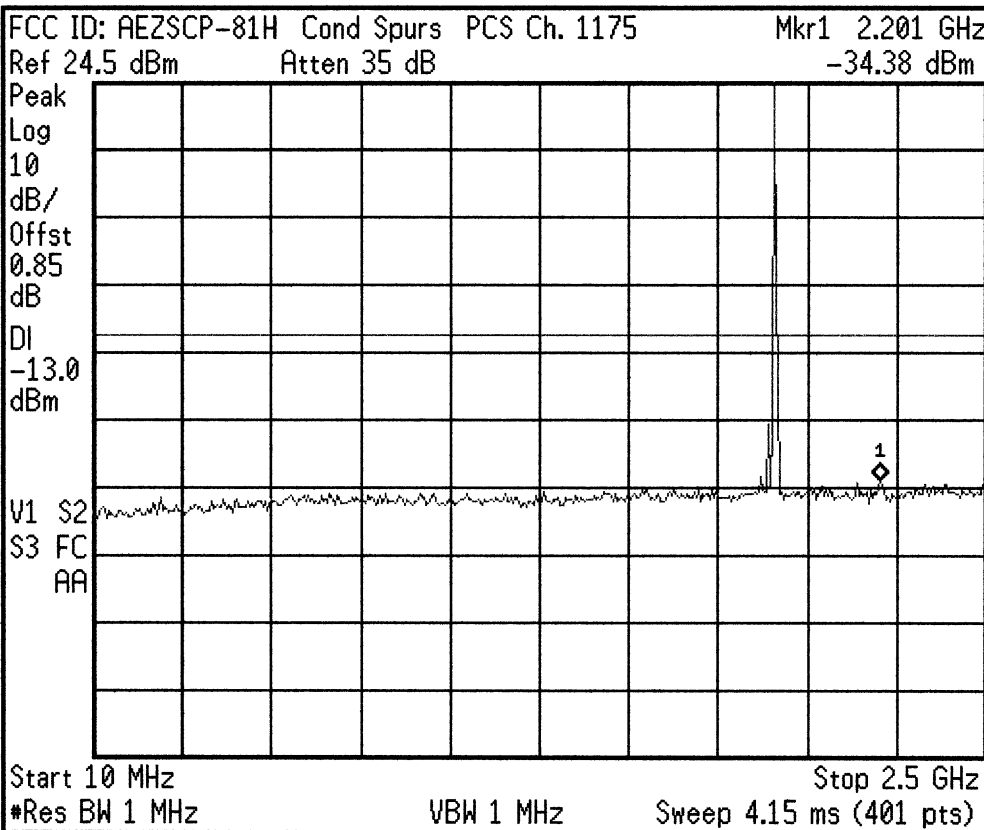
L



<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

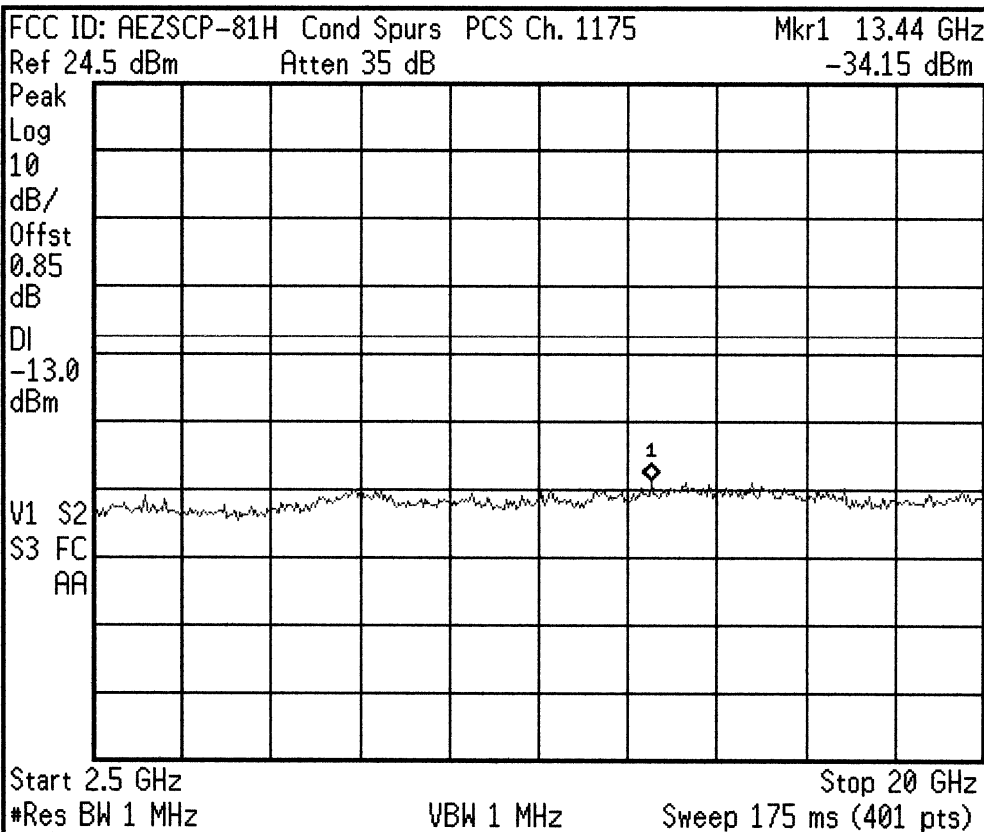
L



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

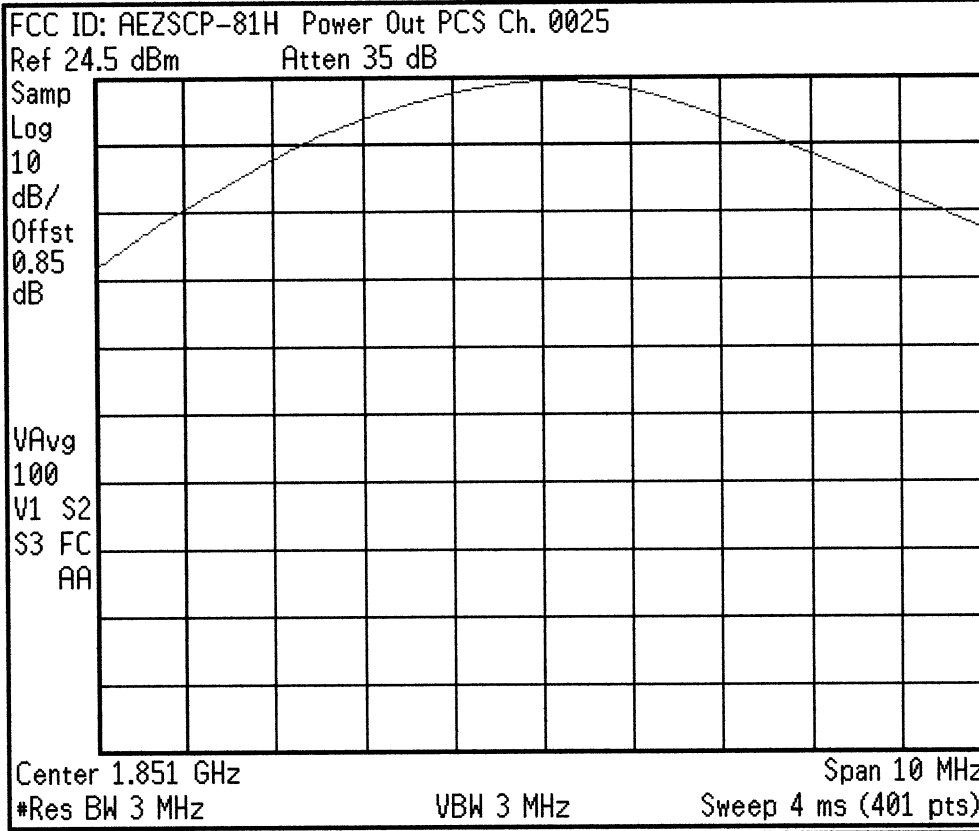
L



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  
1.85125000 GHz

Start Freq  
1.84625000 GHz

Stop Freq  
1.85625000 GHz

CF Step  
1.00000000 MHz  
Auto Man

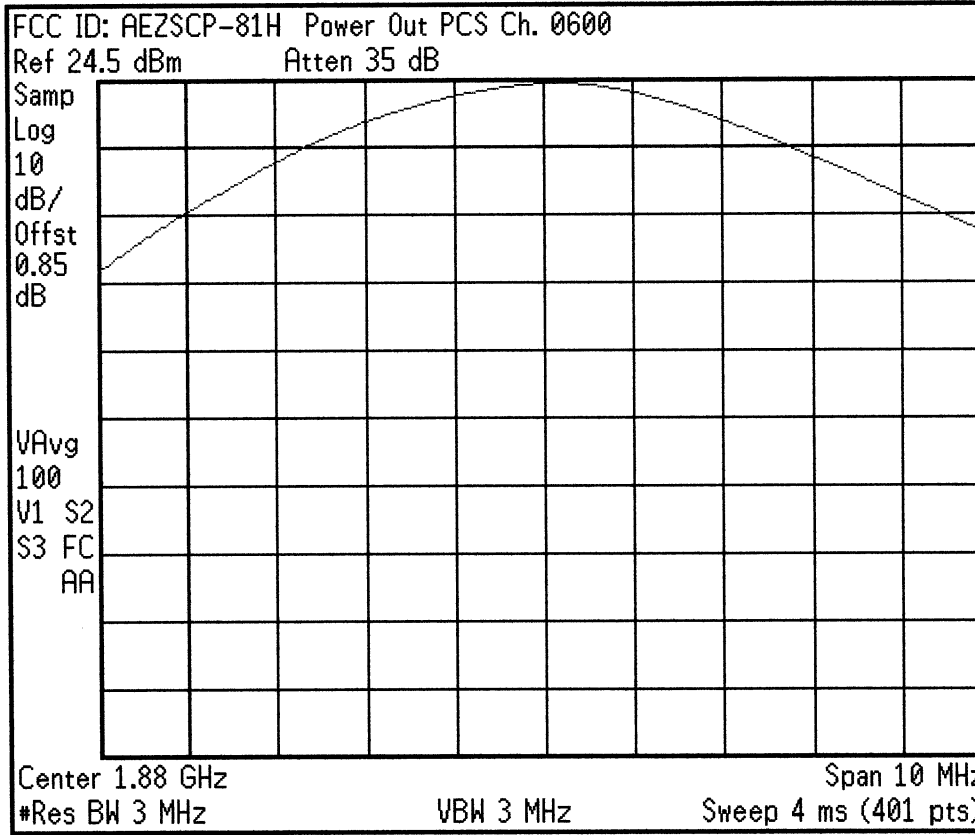
Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

Agilent

L



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

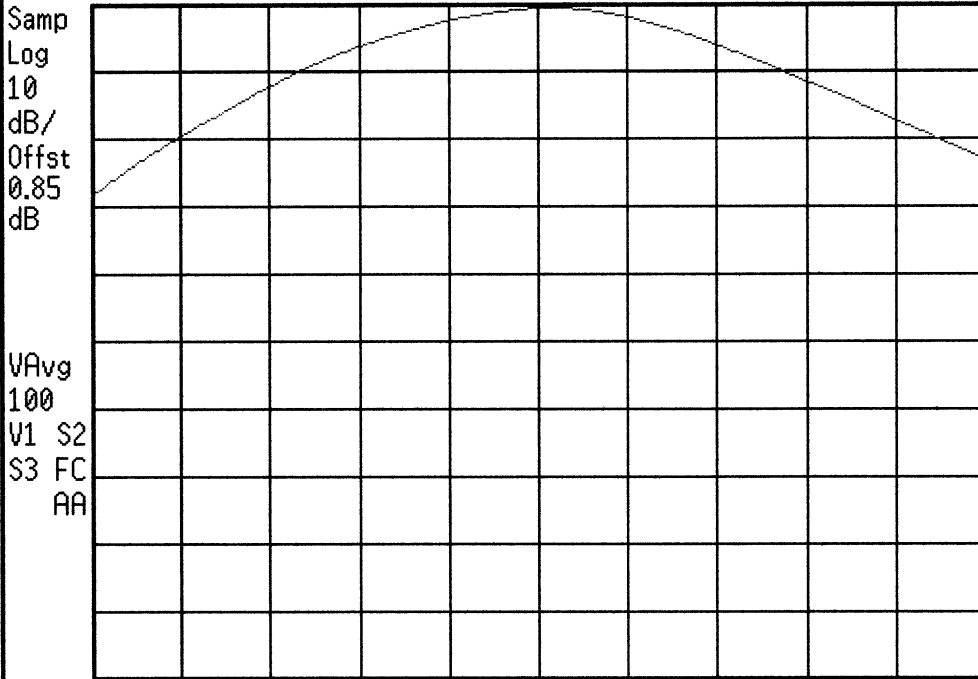
Signal Track  
On Off

Scale Type  
Log Lin

Agilent

L

FCC ID: AEZSCP-81H Power Out PCS Ch. 0600  
Ref 24.5 dBm Atten 35 dB



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

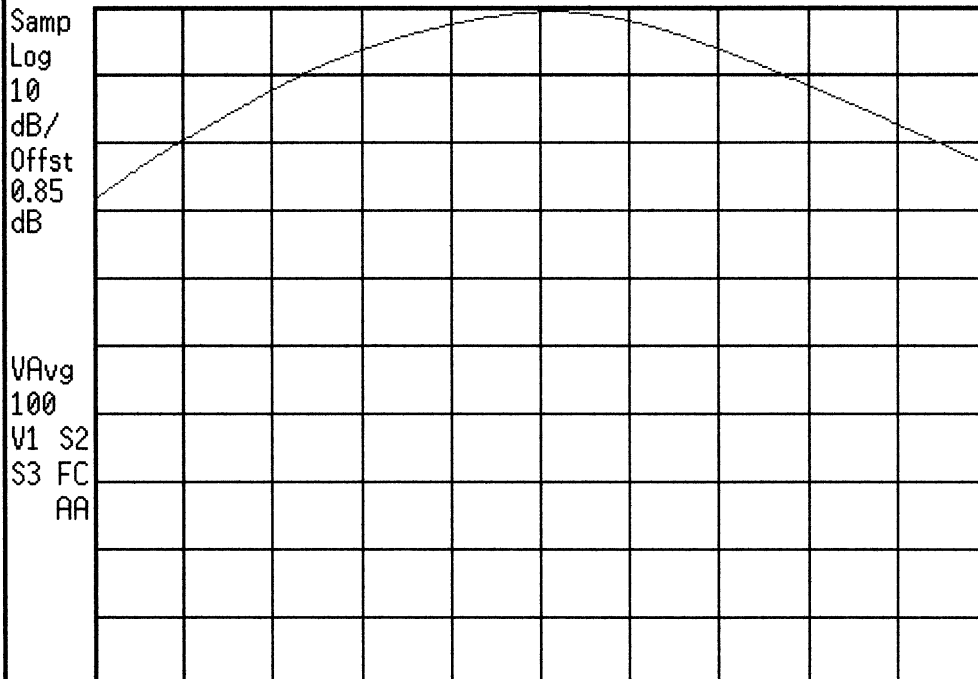
Signal Track  
On Off

Scale Type  
Log Lin

Agilent

L

FCC ID: AEZSCP-81H Power Out PCS Ch. 1175  
Ref 24.5 dBm Atten 35 dB



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



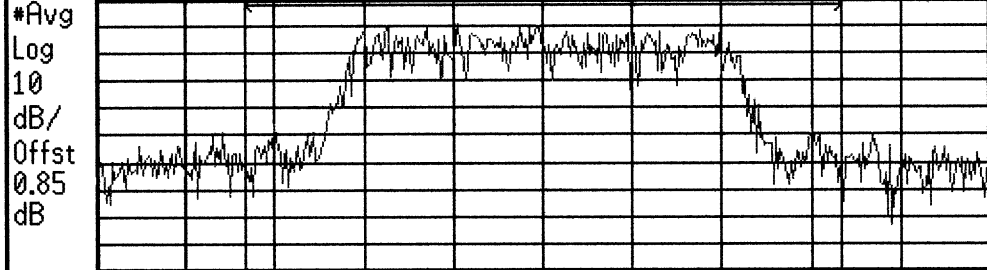
Agilent

L

Ch Freq 1.85125 GHz Trig Free

Channel Power

FCC ID: AEZSCP-81H Power Out 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)

<b>Channel Power</b>	<b>Power Spectral Density</b>
24.49 dBm /2.0000 MHz	-38.52 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

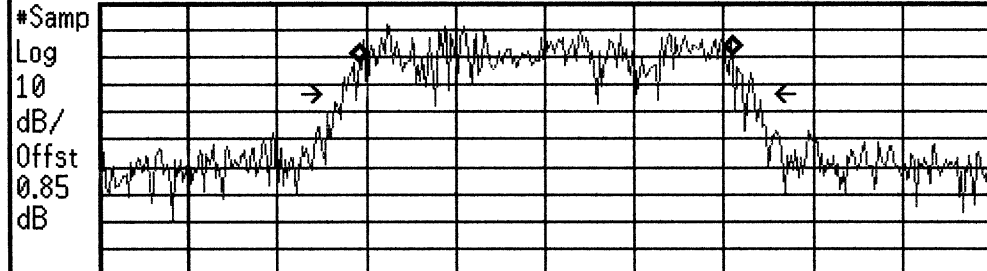
Agilent

L

Ch Freq 1.88 GHz Trig Free

Occupied Bandwidth

FCC ID: AEZSCP-81H Power Out 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 %
1.2503 MHz	<b>x dB</b>	-26.00 dB
<b>Transmit Freq Error</b>		1.632 kHz
<b>x dB Bandwidth</b>		1.389 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

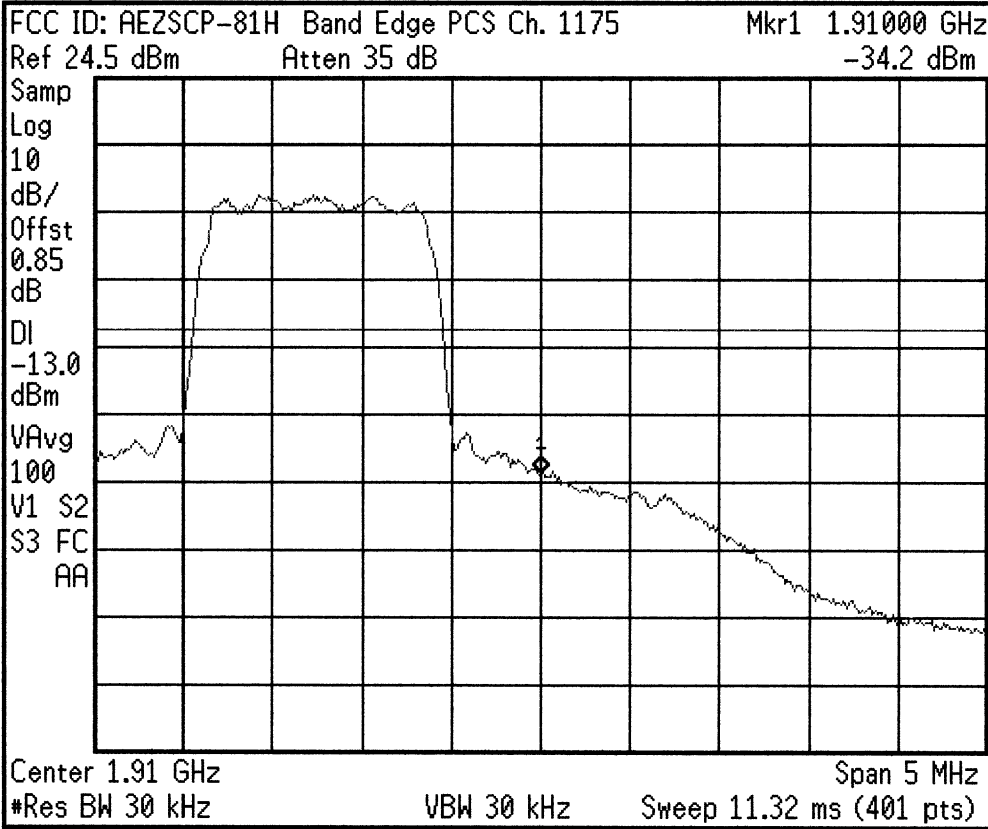
Freq Offset 0.00000000 Hz

Signal Track On Off

Scale Type Log Lin

Agilent

L



Freq/Channel

Center Freq 1.91000000 GHz

Start Freq 1.90750000 GHz

Stop Freq 1.91250000 GHz

CF Step 500.000000 kHz Auto Man

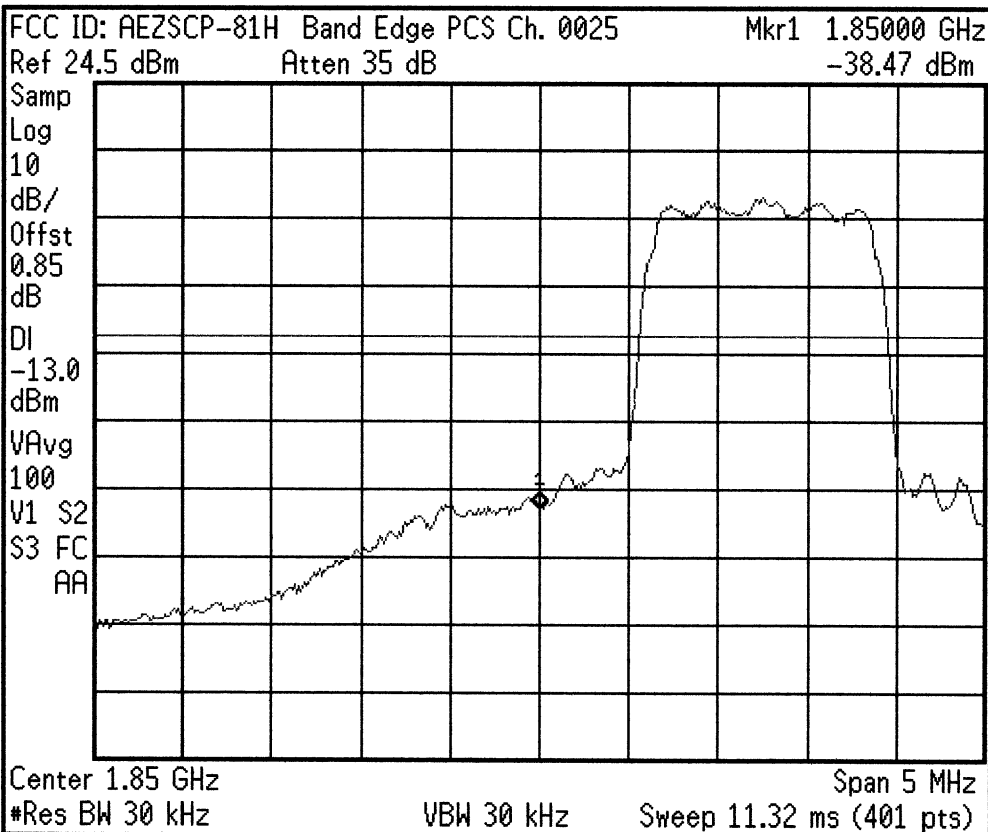
Freq Offset 0.00000000 Hz

Signal Track On Off

Scale Type Log Lin

Agilent

L



Freq/Channel

Center Freq 1.85000000 GHz

Start Freq 1.84750000 GHz

Stop Freq 1.85250000 GHz

CF Step 500.000000 kHz Auto Man

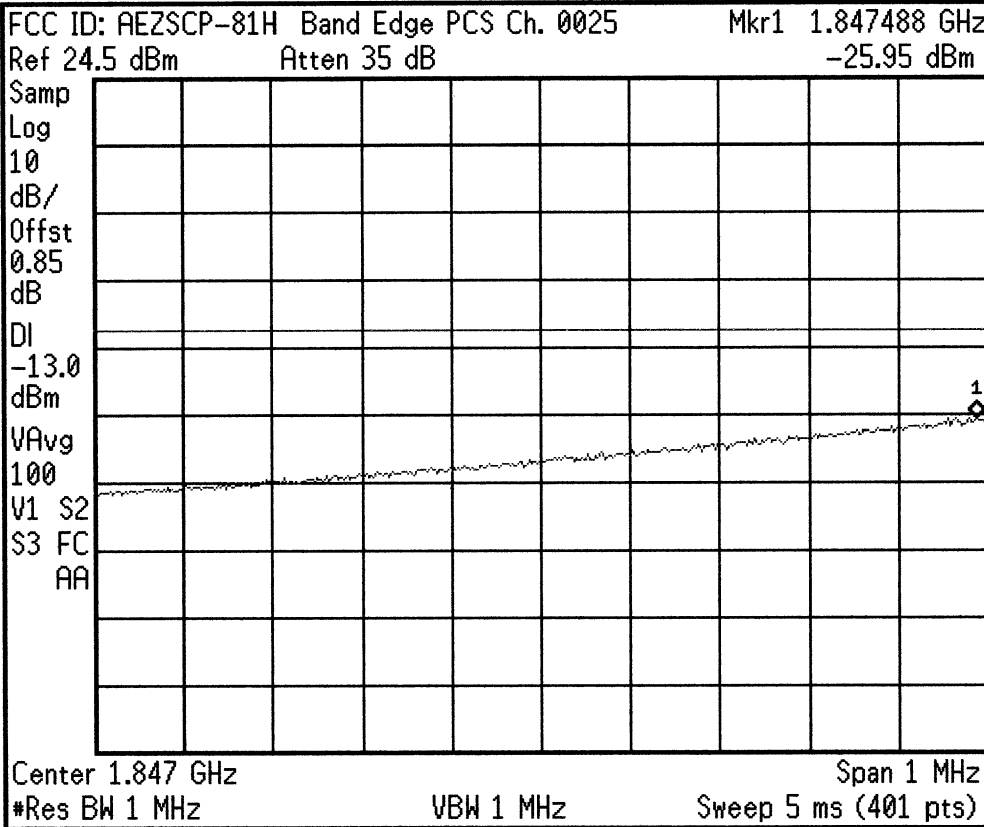
Freq Offset 0.00000000 Hz

Signal Track On Off

Scale Type Log Lin

Agilent

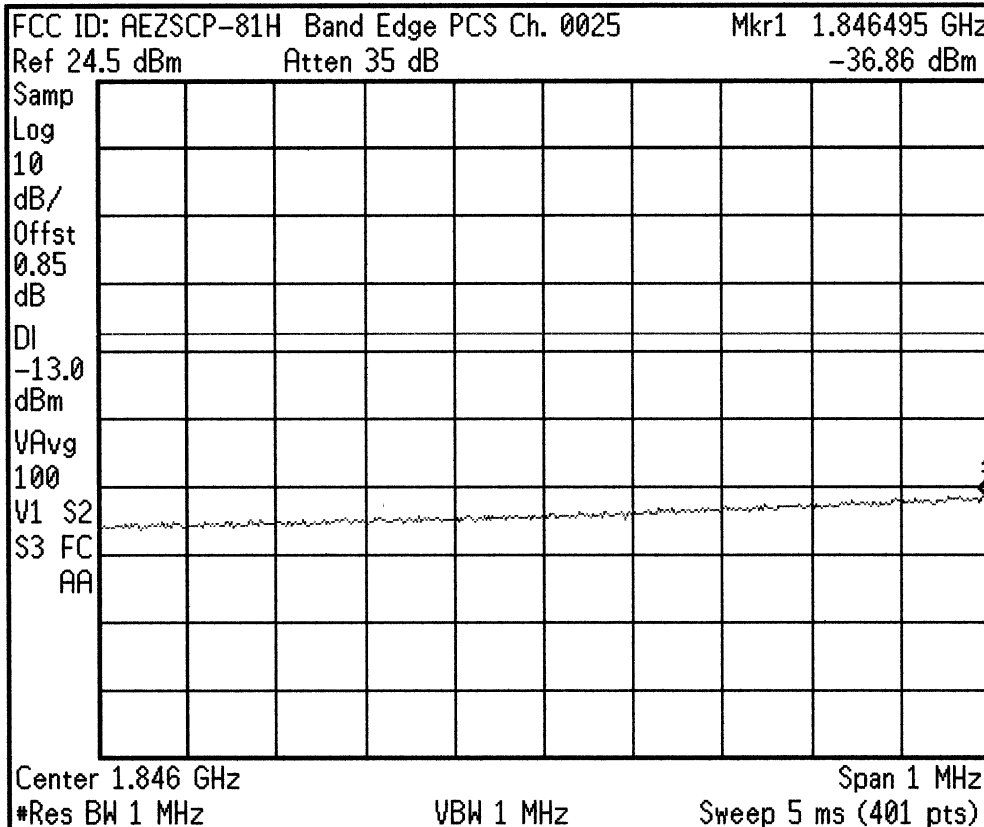
L



<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

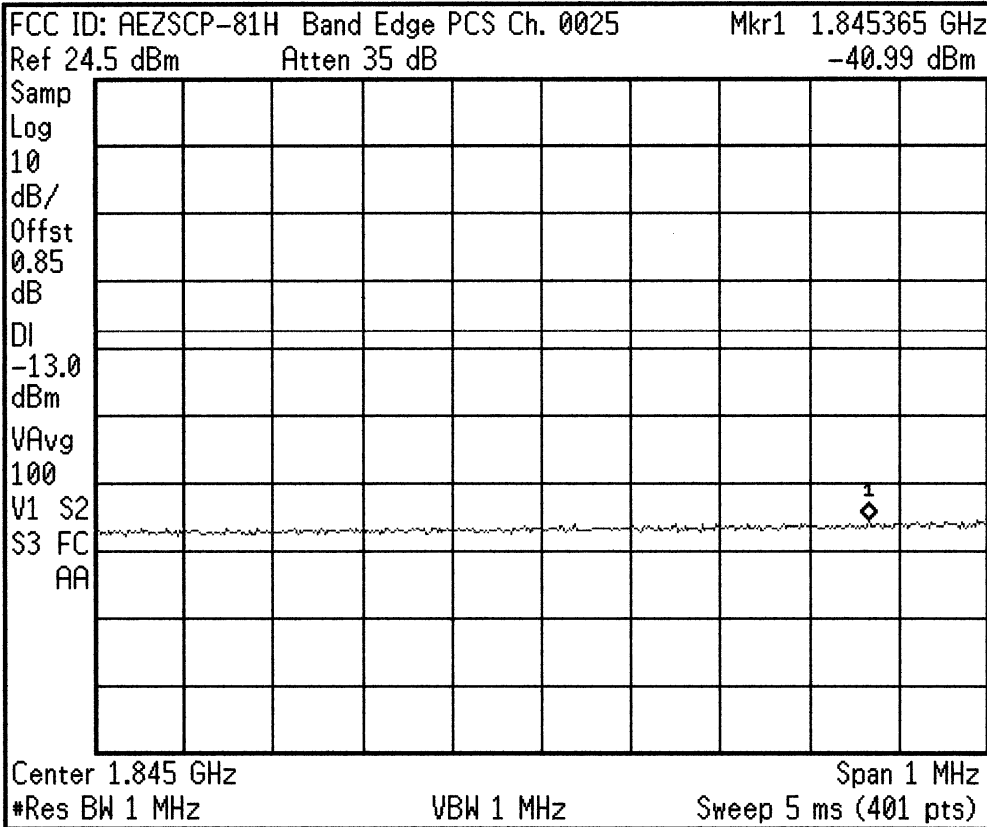
L



<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

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

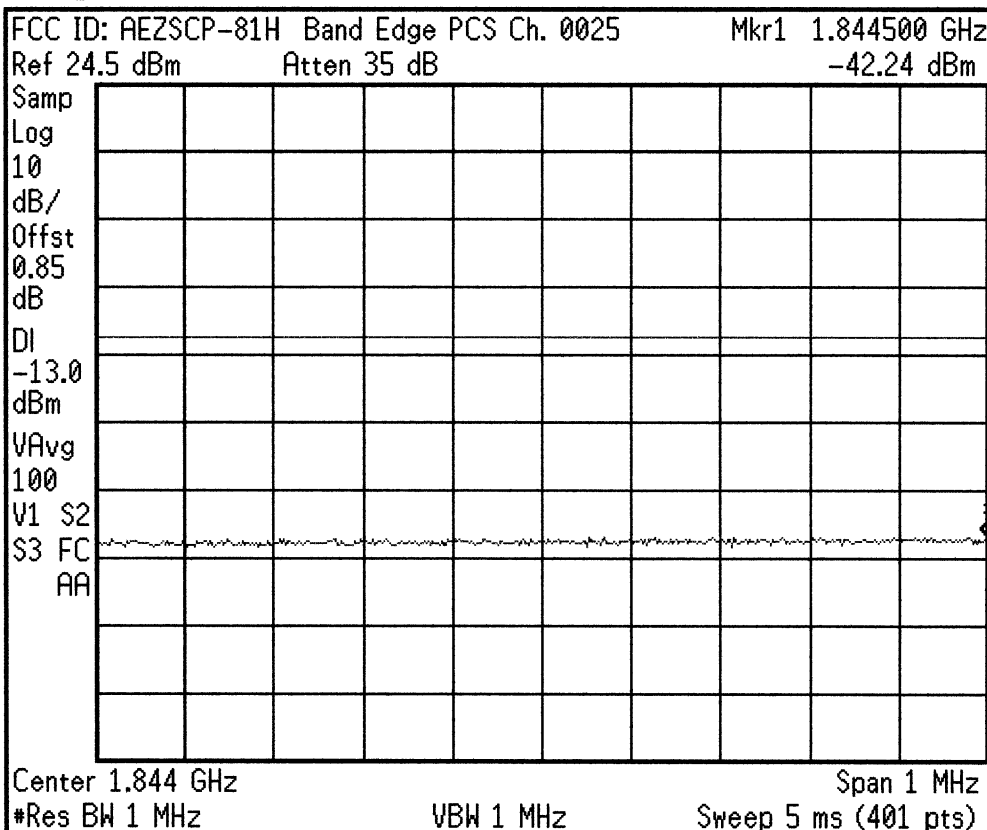
Freq Offset  
0.00000000 Hz

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

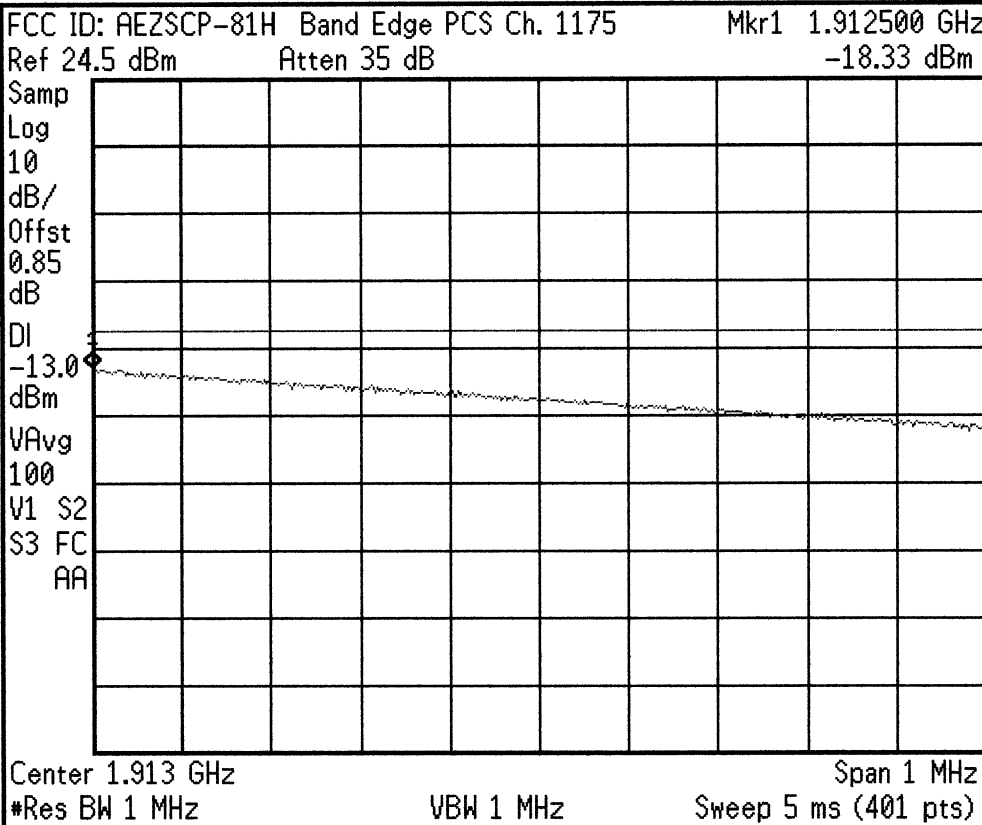
Freq Offset  
0.00000000 Hz

Signal Track  
On Off

Scale Type  
Log Lin

\* Agilent

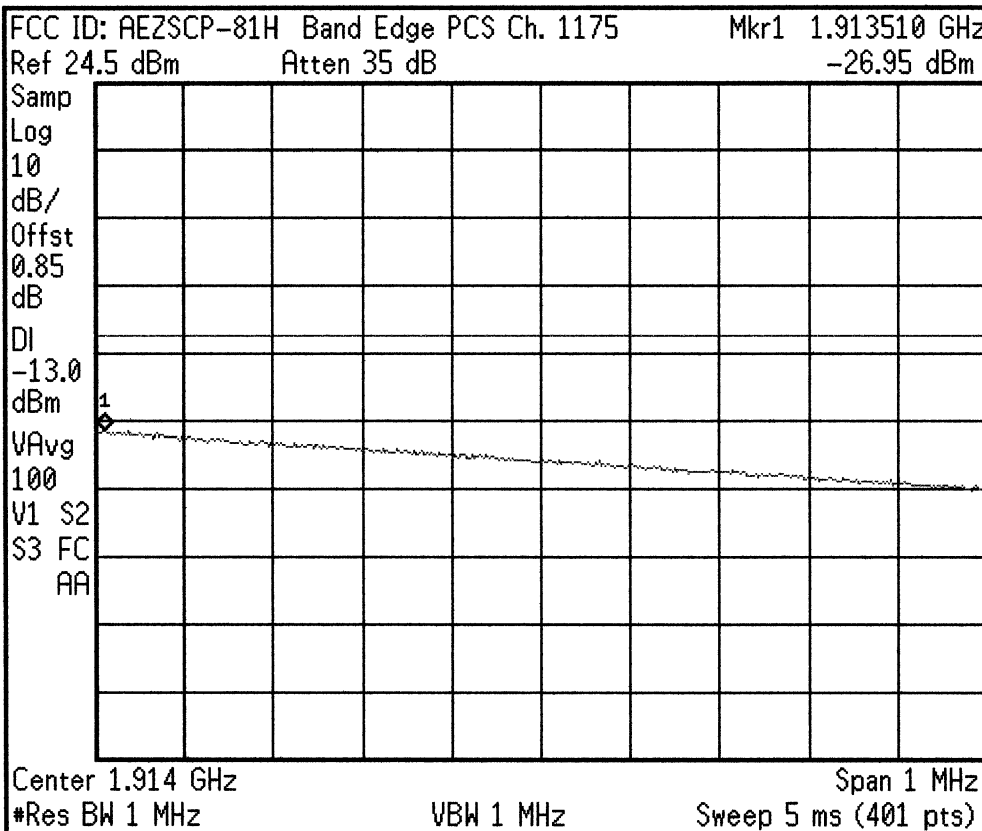
L



<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

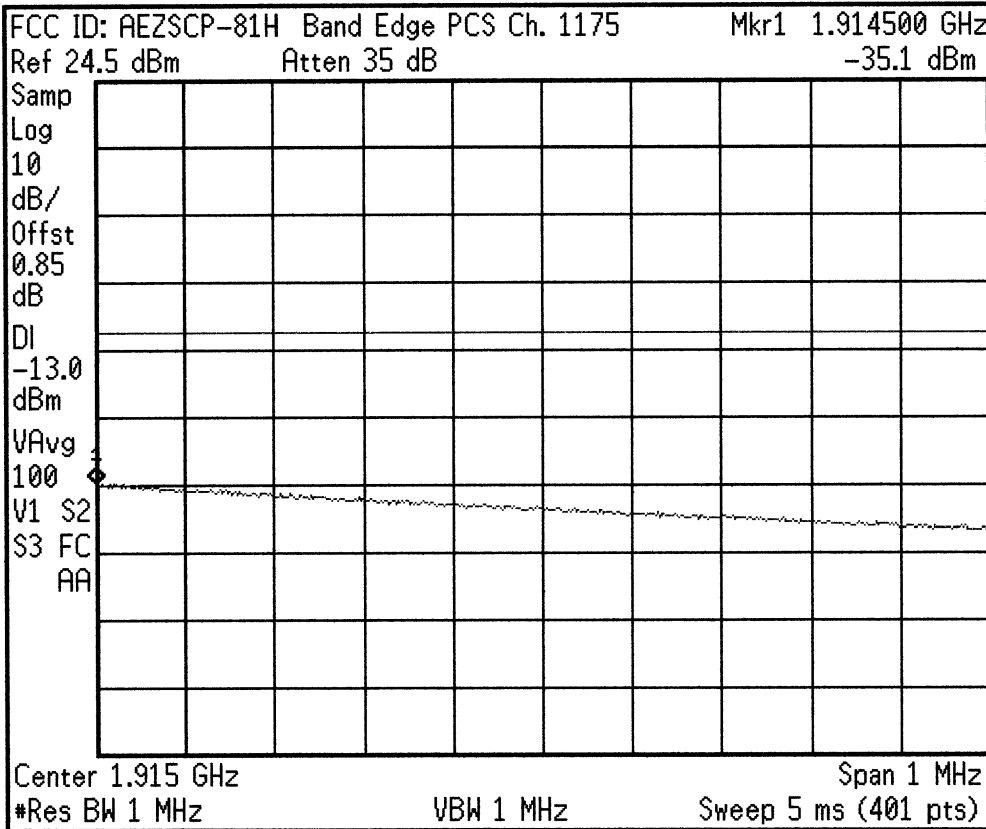
L



<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

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

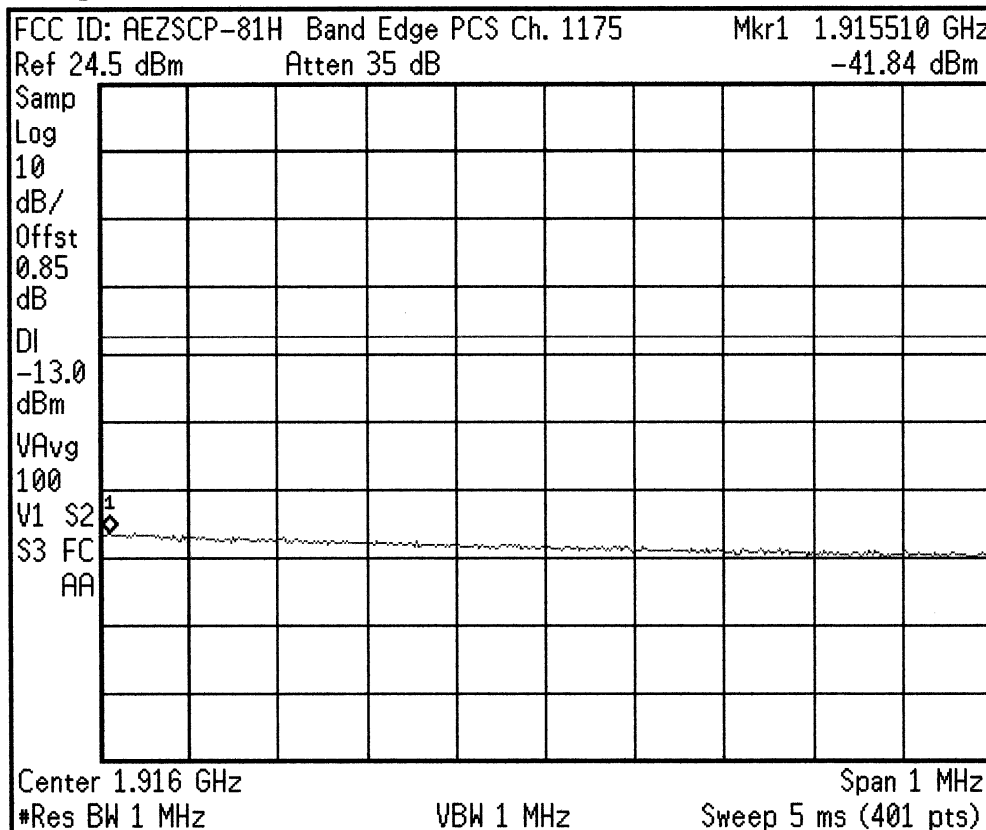
Freq Offset  
0.00000000 Hz

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

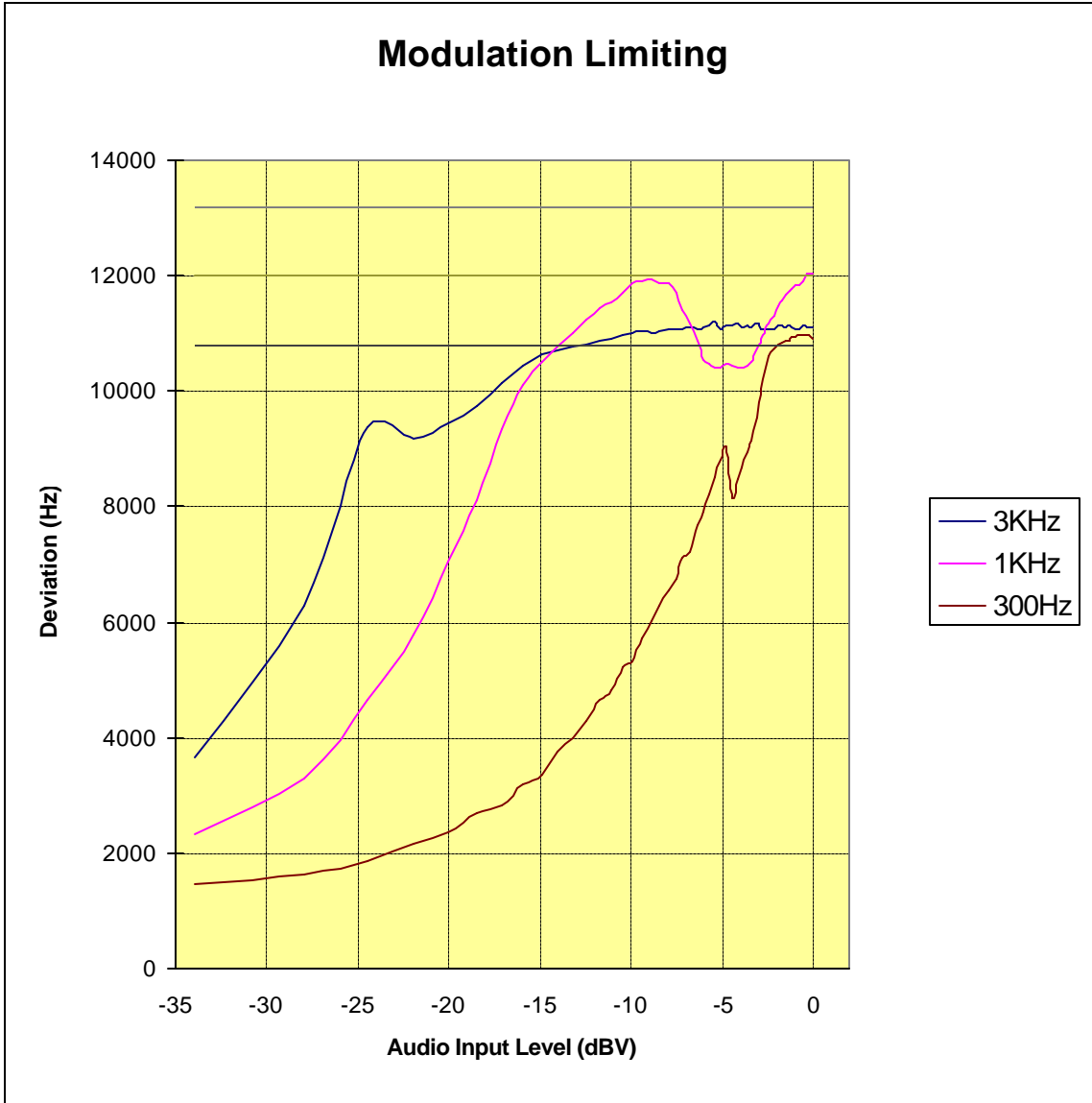
**PCTEST Engineering Lab., Inc.**

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

Test Report No.: 22/24.230224093.AEZ  
Test Date: 02.24.2003

**EUT:** SANYO Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)  
**Model:** SCP-8100  
**FCC ID:** AEZSCP-81H

**REFERENCE:** 1 kHz = 0 dB



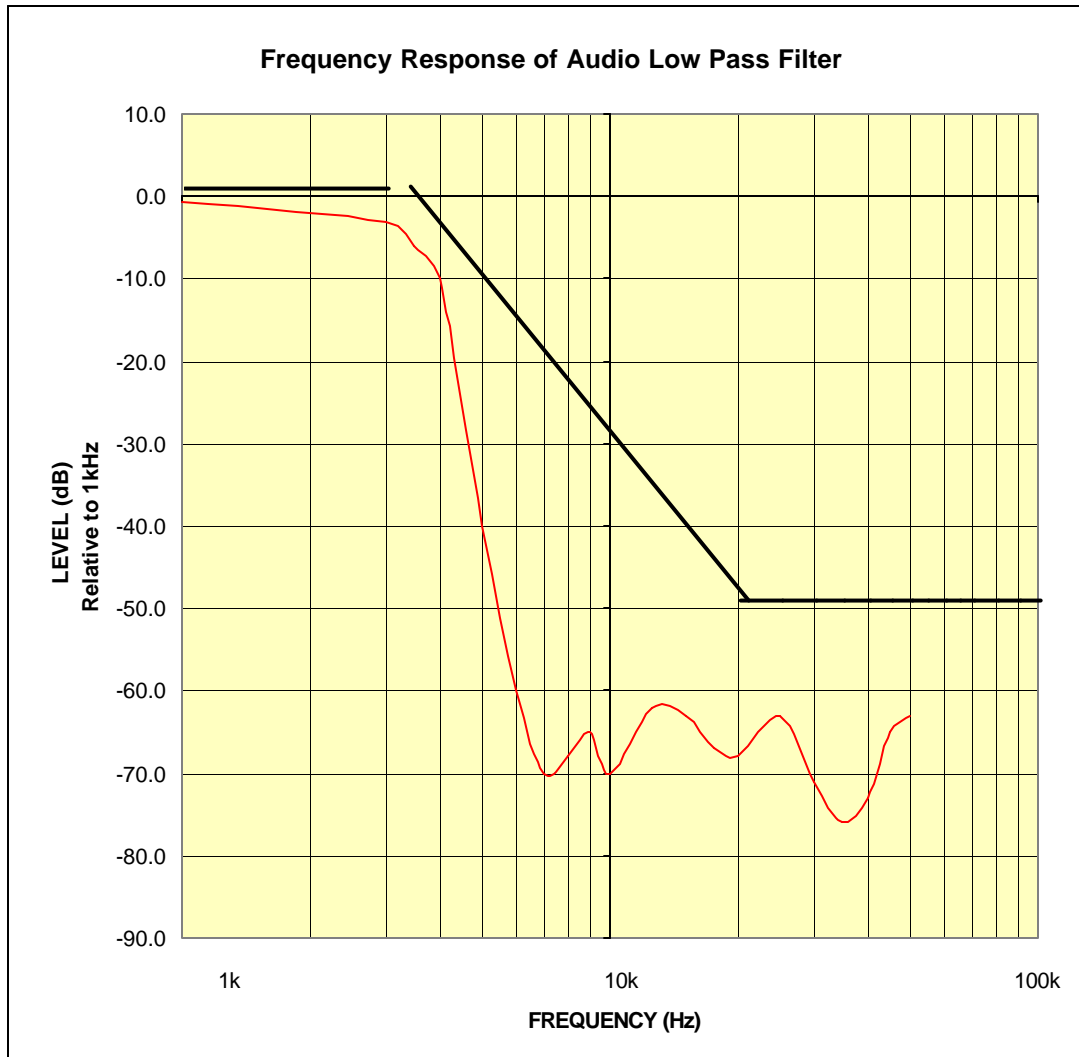
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**Model:** SCP-8100  
**FCC ID:** AEZSCP-81H

**REFERENCE:** 1 kHz = 0 dB

