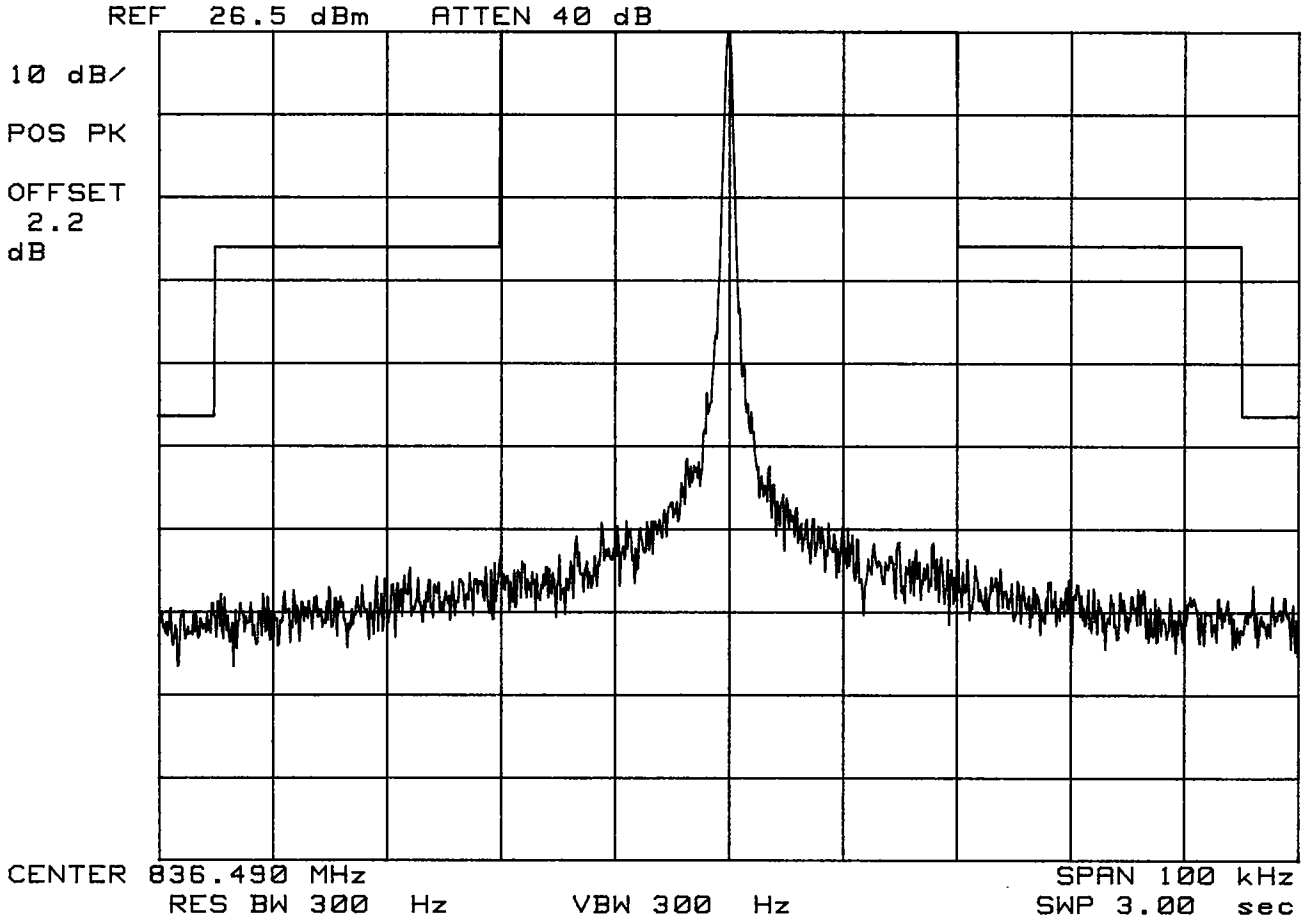
PCTEST Engineering Lab.

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

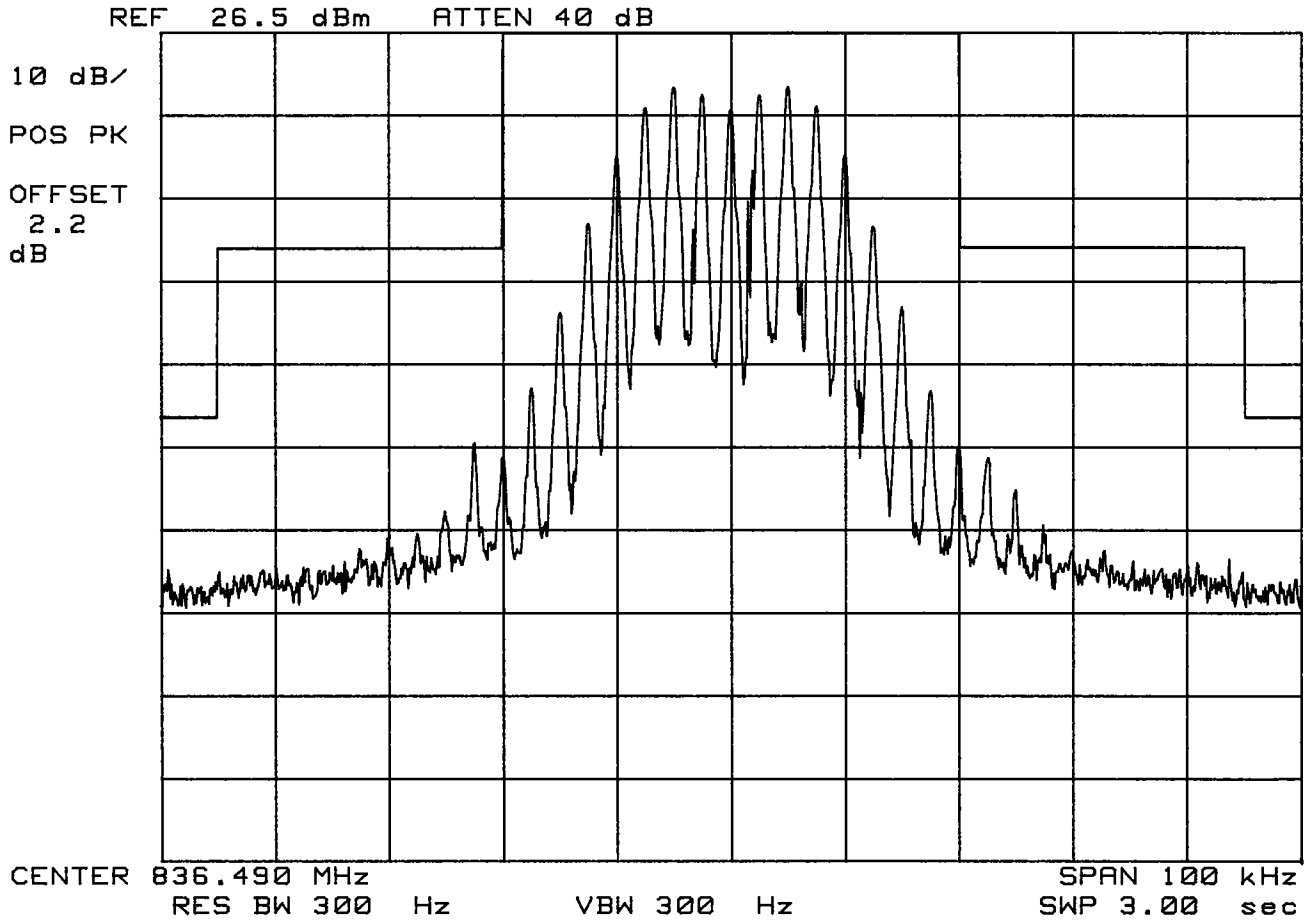


PCTEST Engineering Lab.

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

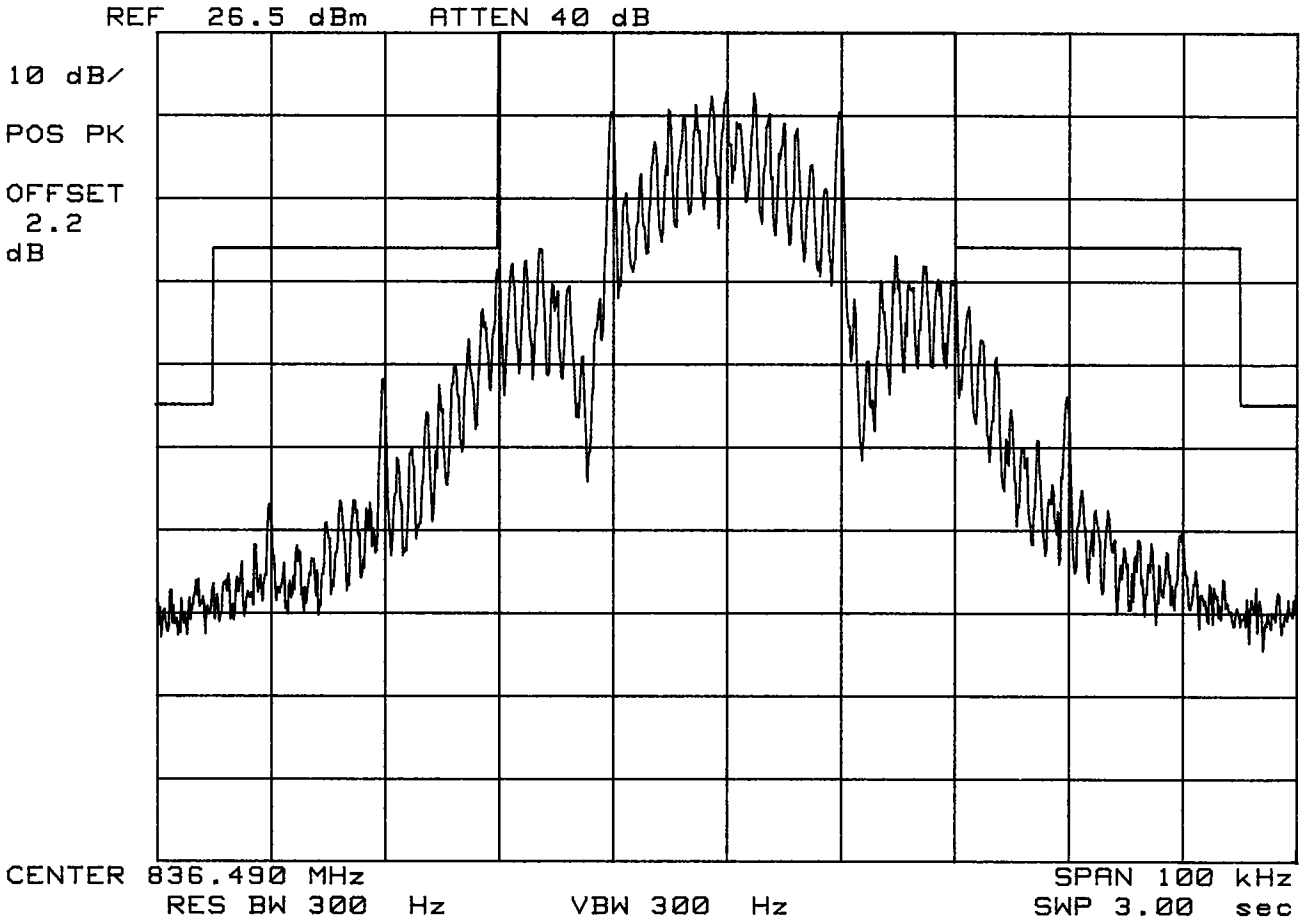


PCTEST Engineering Lab.

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

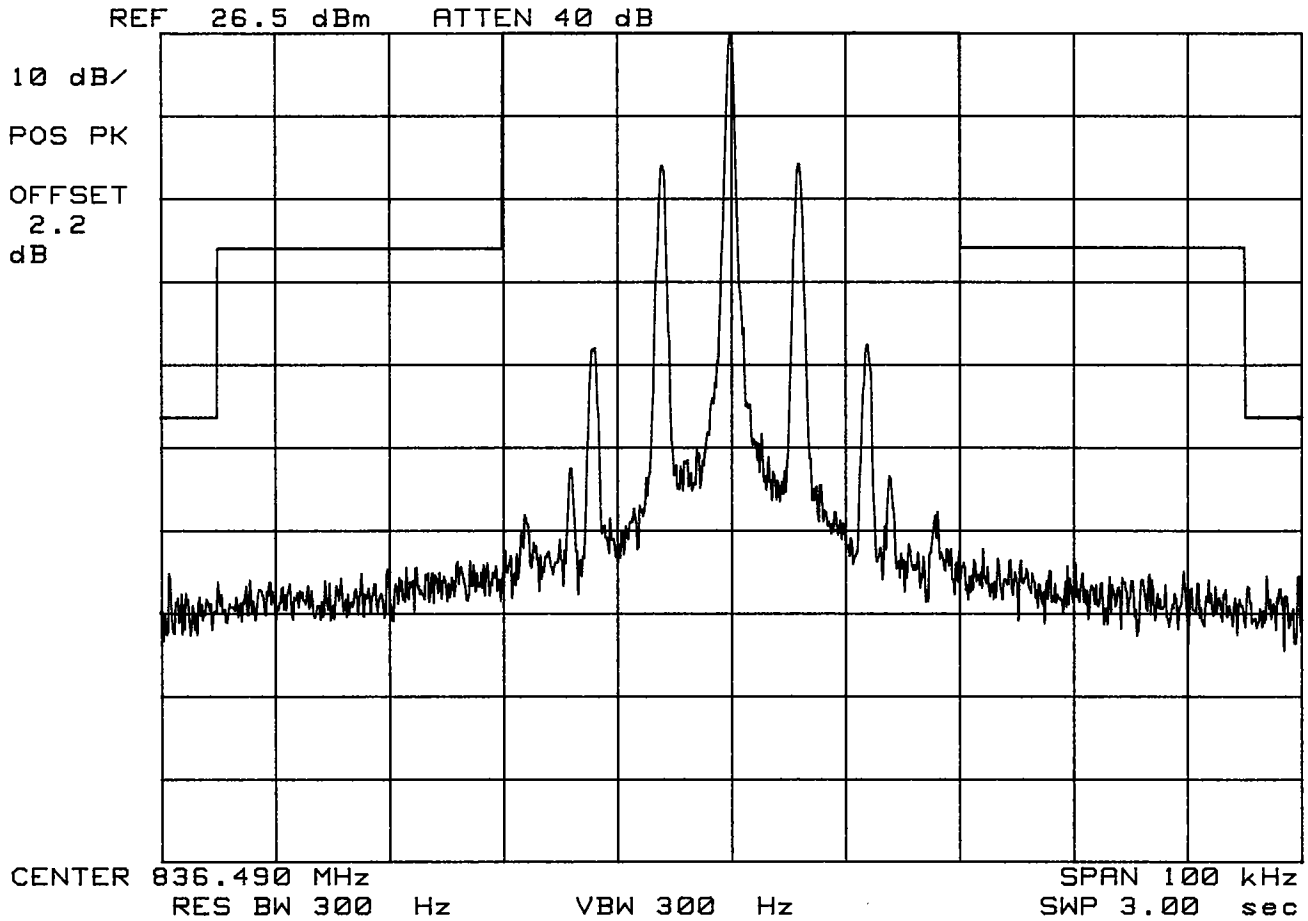


PCTEST Engineering Lab.

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

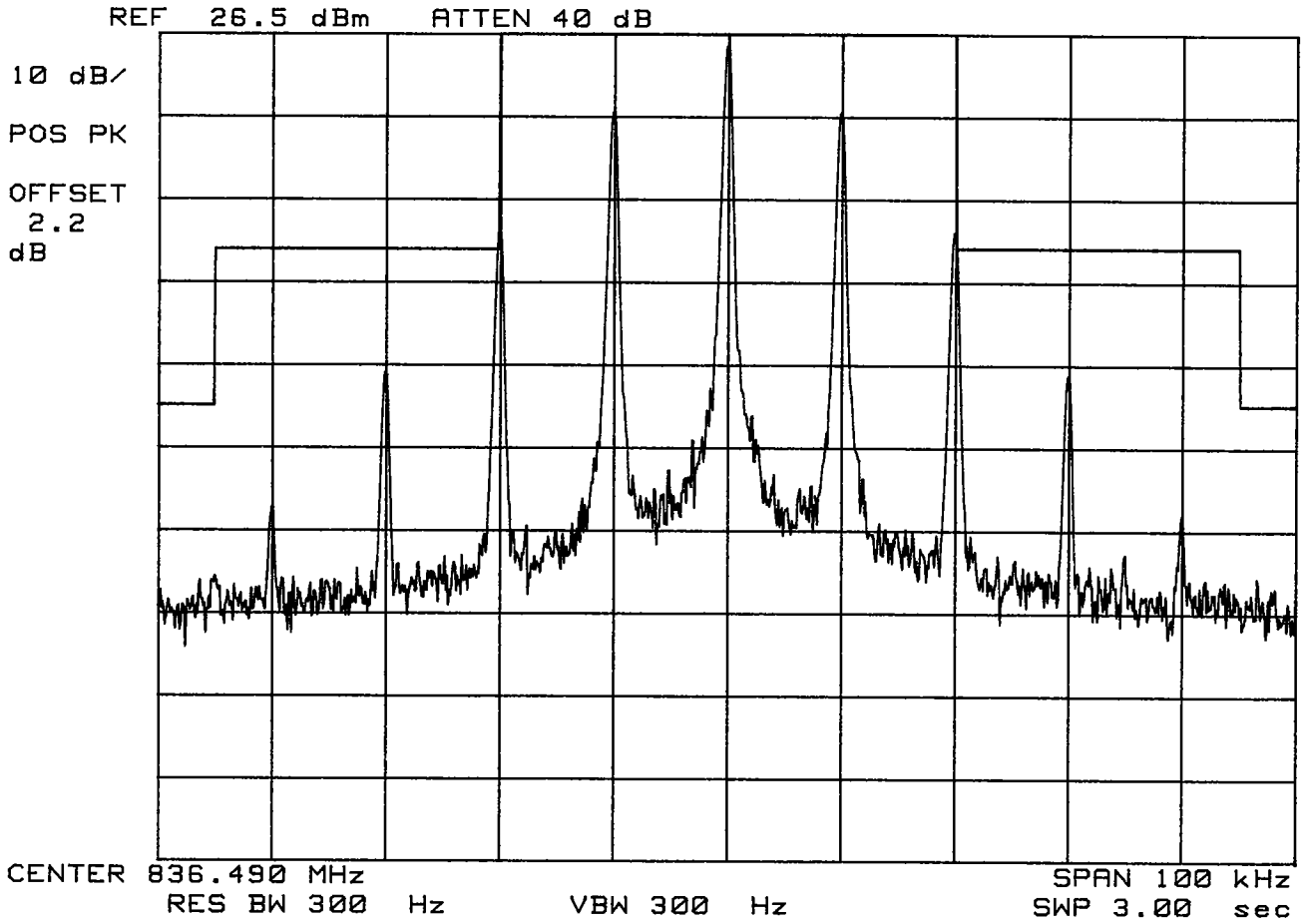


PCTEST Engineering Lab.

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

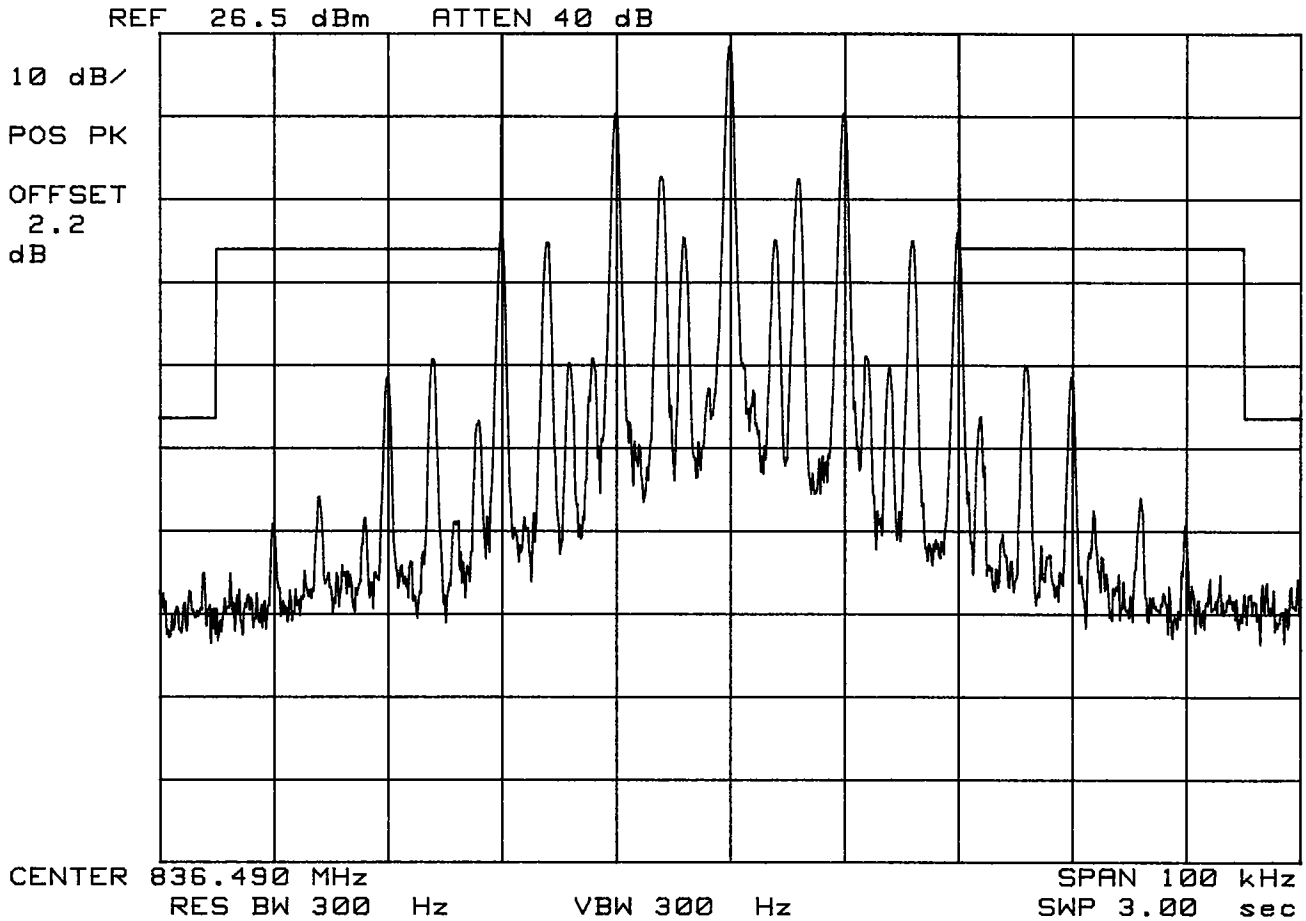


PCTEST Engineering Lab.

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

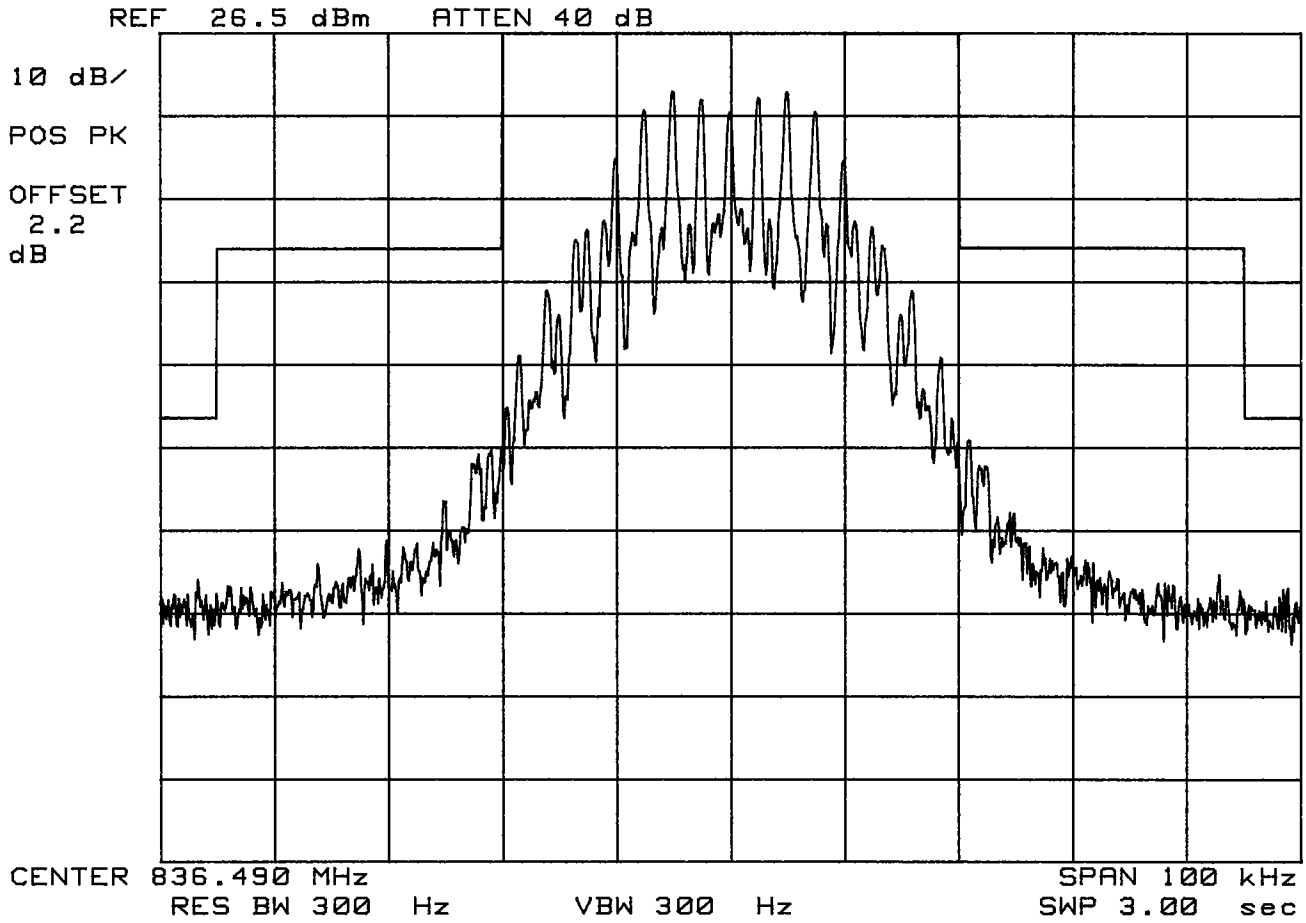


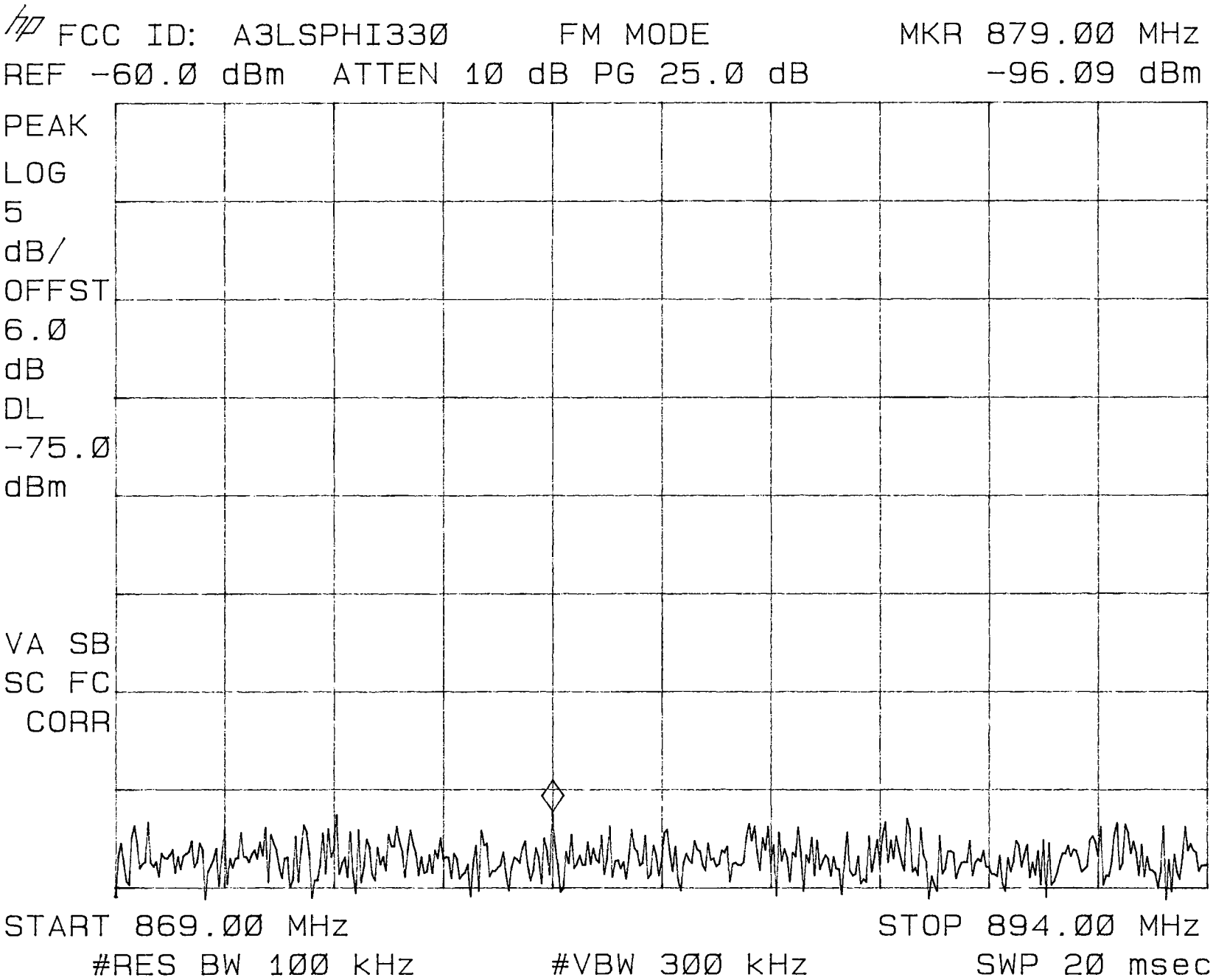
PCTEST Engineering Lab.

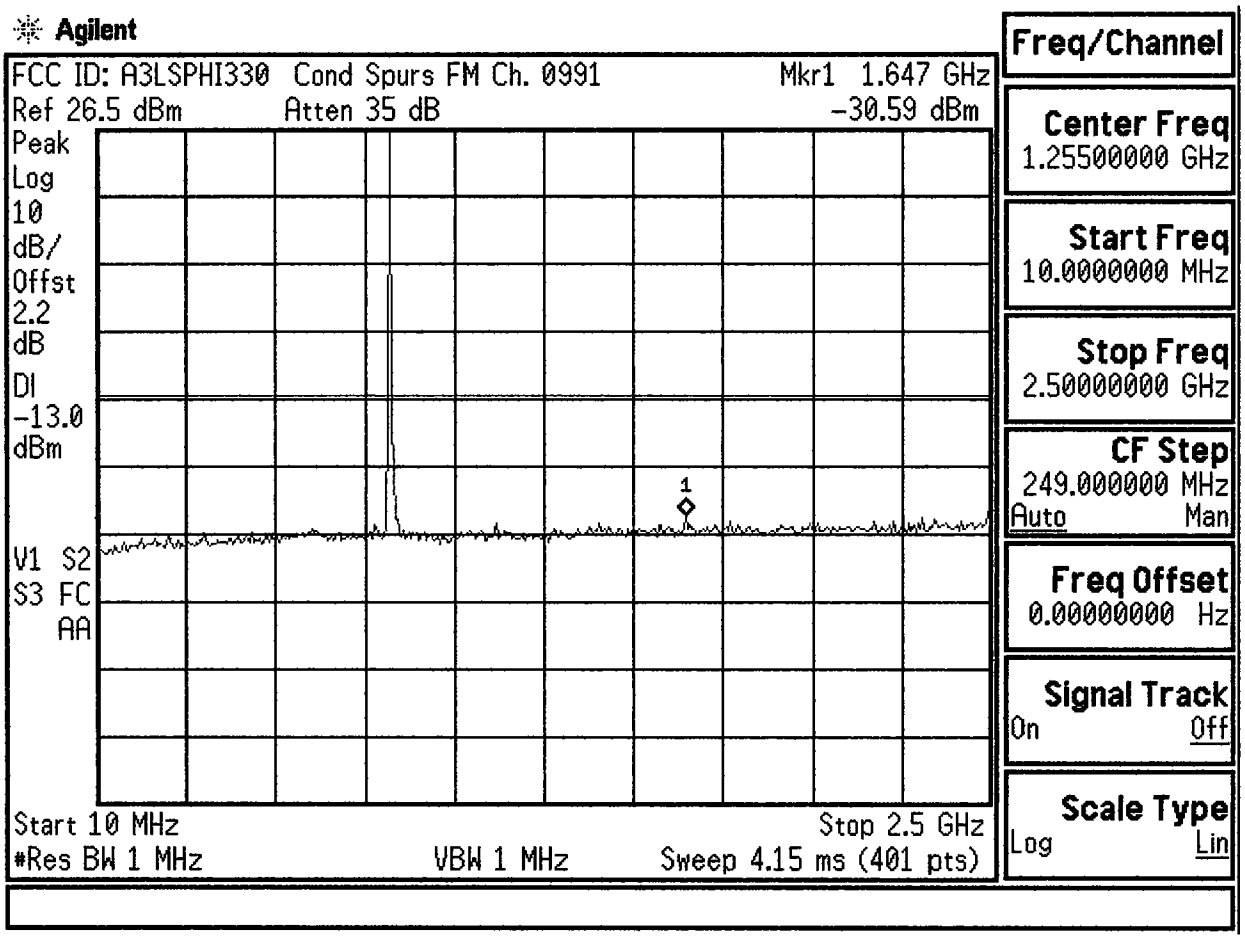
SPECTRUM ANALYZER PRESENTATION

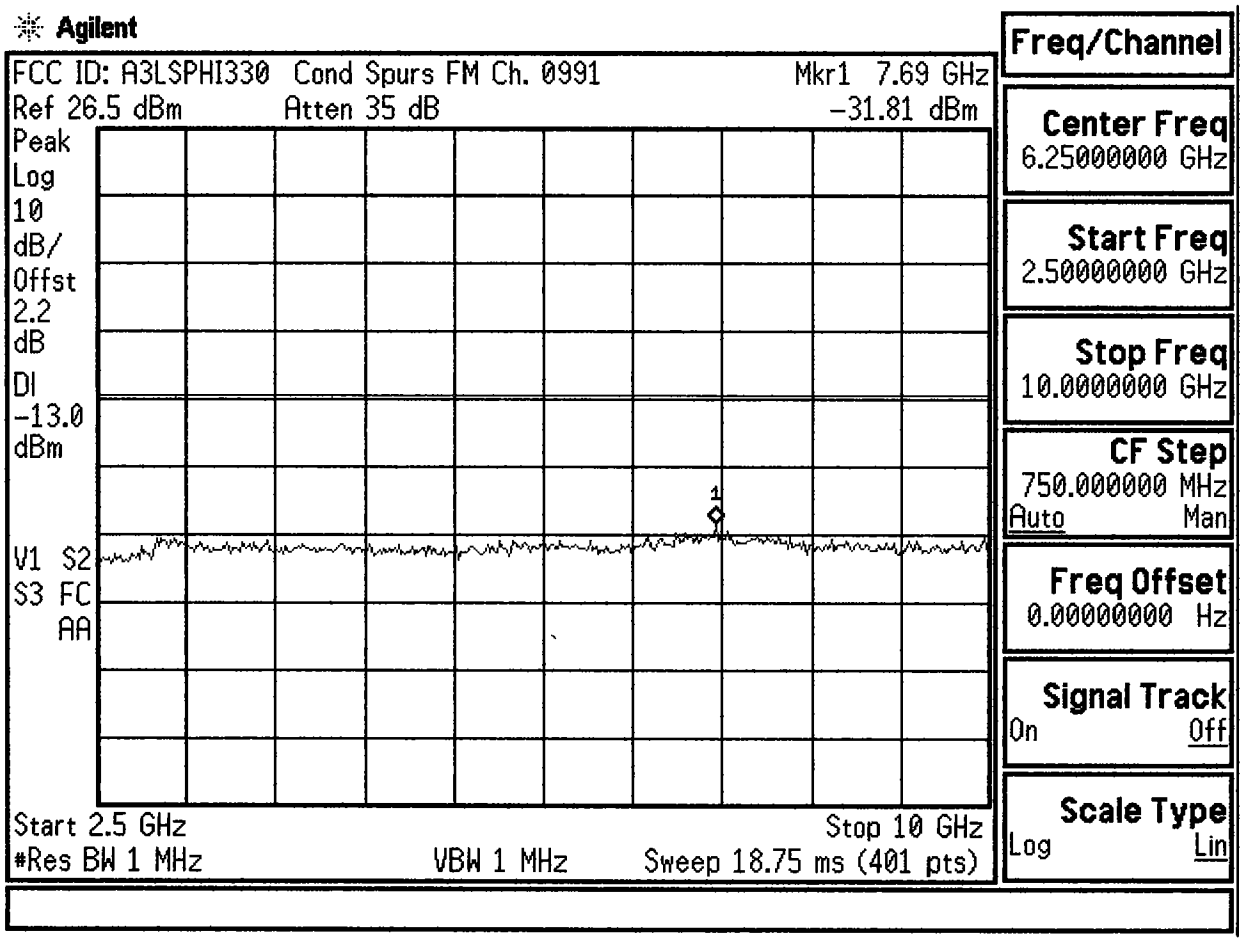
FCC ID:A3LSPHI330
SAMSUNG
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.490 MHz
Output Power : 26.5 dBm

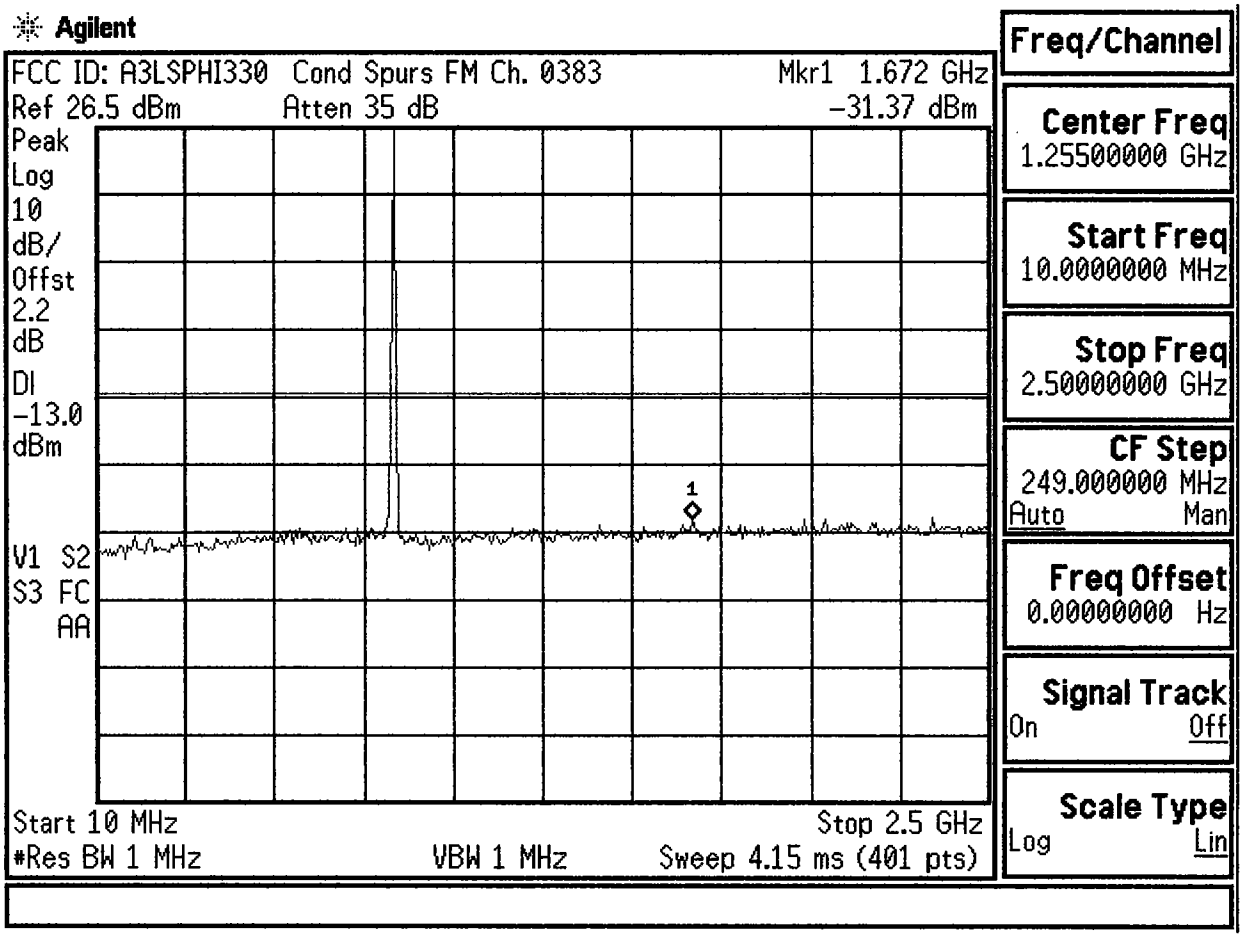
Test Mode:SAT + Voice

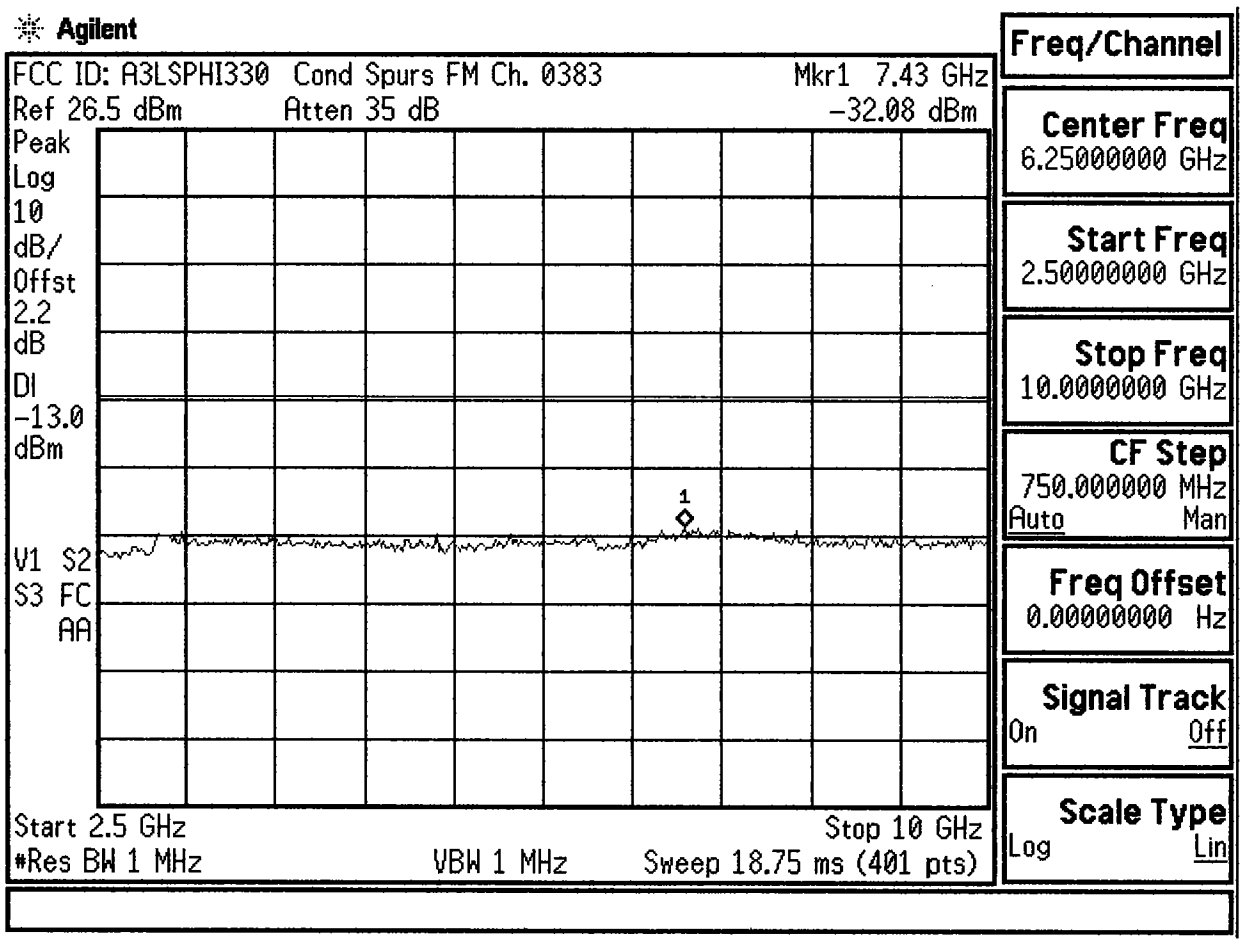


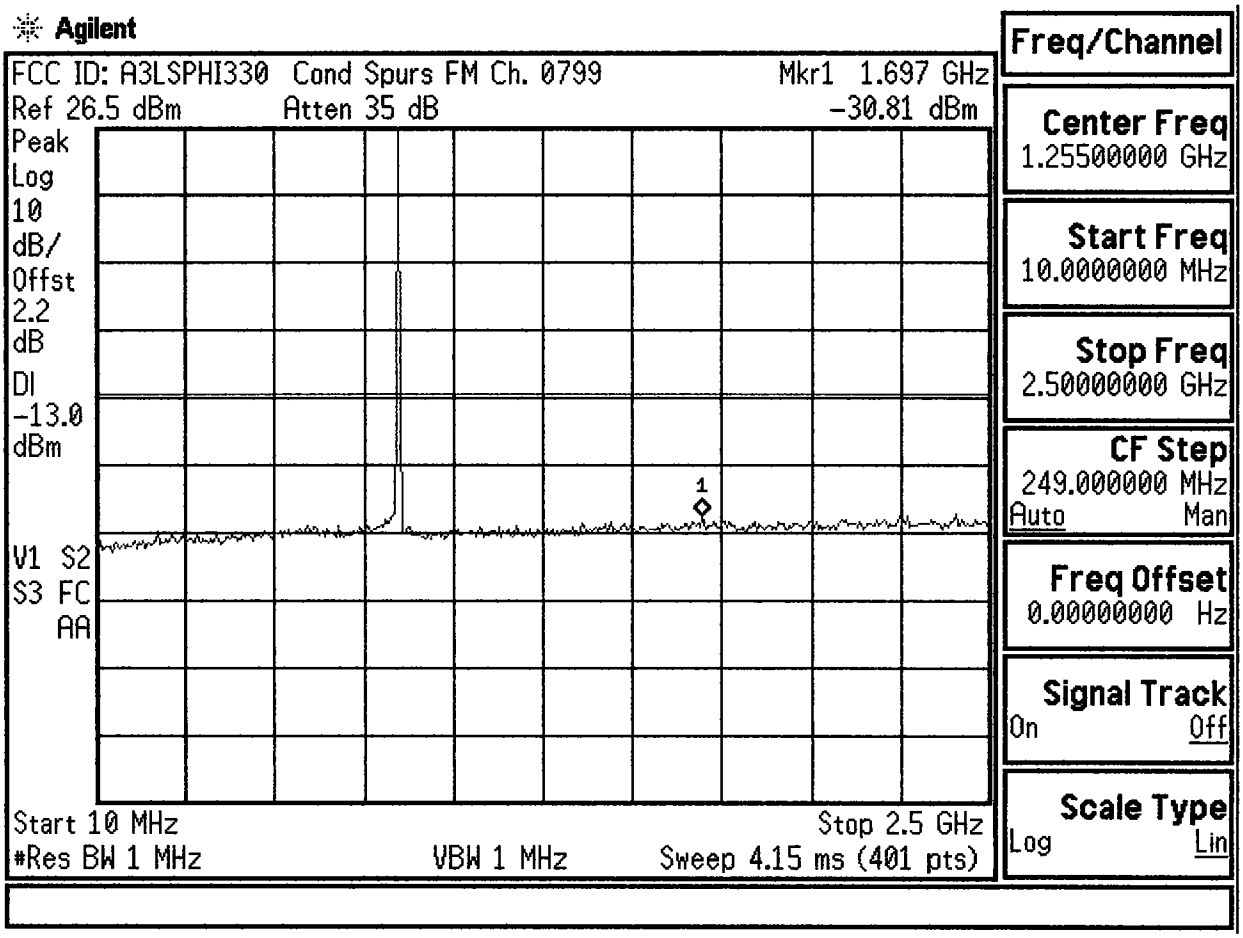

FCC ID: A3LSPHI330
FM MODE
MKR 879.00 MHz
REF -60.0 dBm
ATTEN 10 dB PG 25.0 dB
-96.09 dBm
PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-75.0
dBm
VA SB
SC FC
CORR
START 869.00 MHz
STOP 894.00 MHz
#RES BW 100 kHz
#VBW 300 kHz
SWP 20 msec

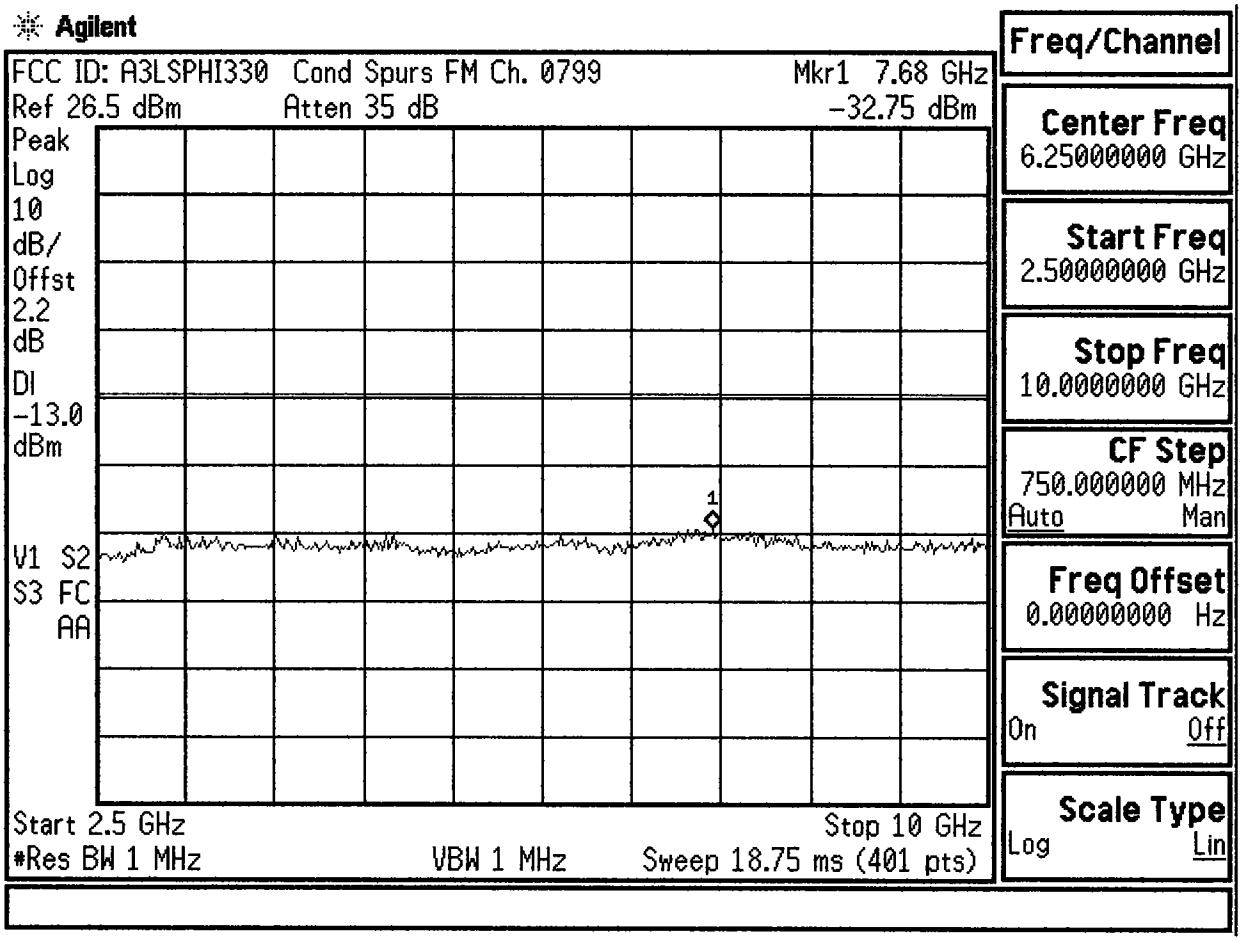

Agilent
FCC ID: A3LSPHI330 Cond Spurs FM Ch. 0991
Mkr1 1.647 GHz
Ref 26.5 dBm
Atten 35 dB
-30.59 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

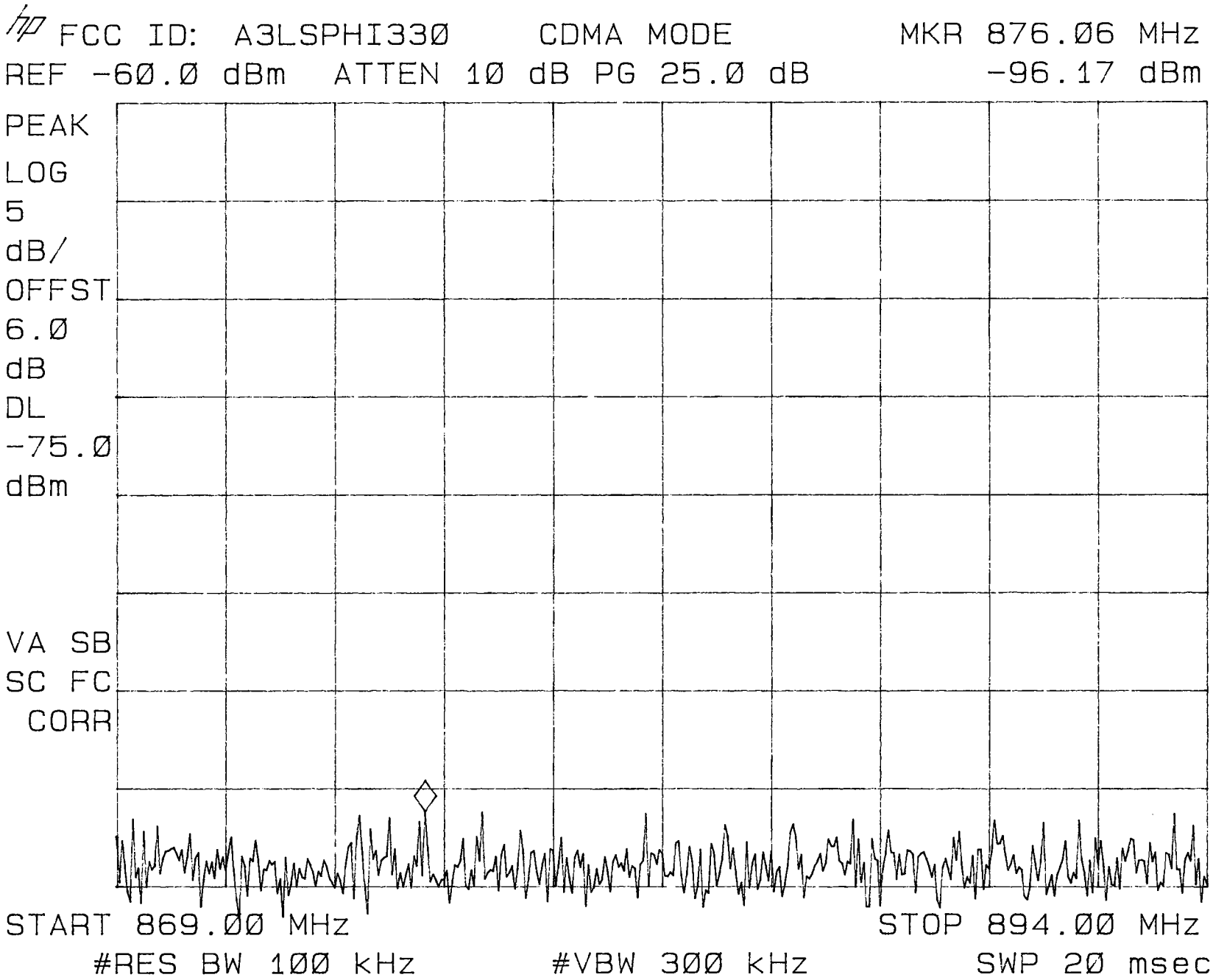

Agilent
FCC ID: A3LSPHI330 Cond Spurs FM Ch. 0991
Mkr1 7.69 GHz
Ref 26.5 dBm
Atten 35 dB
-31.81 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

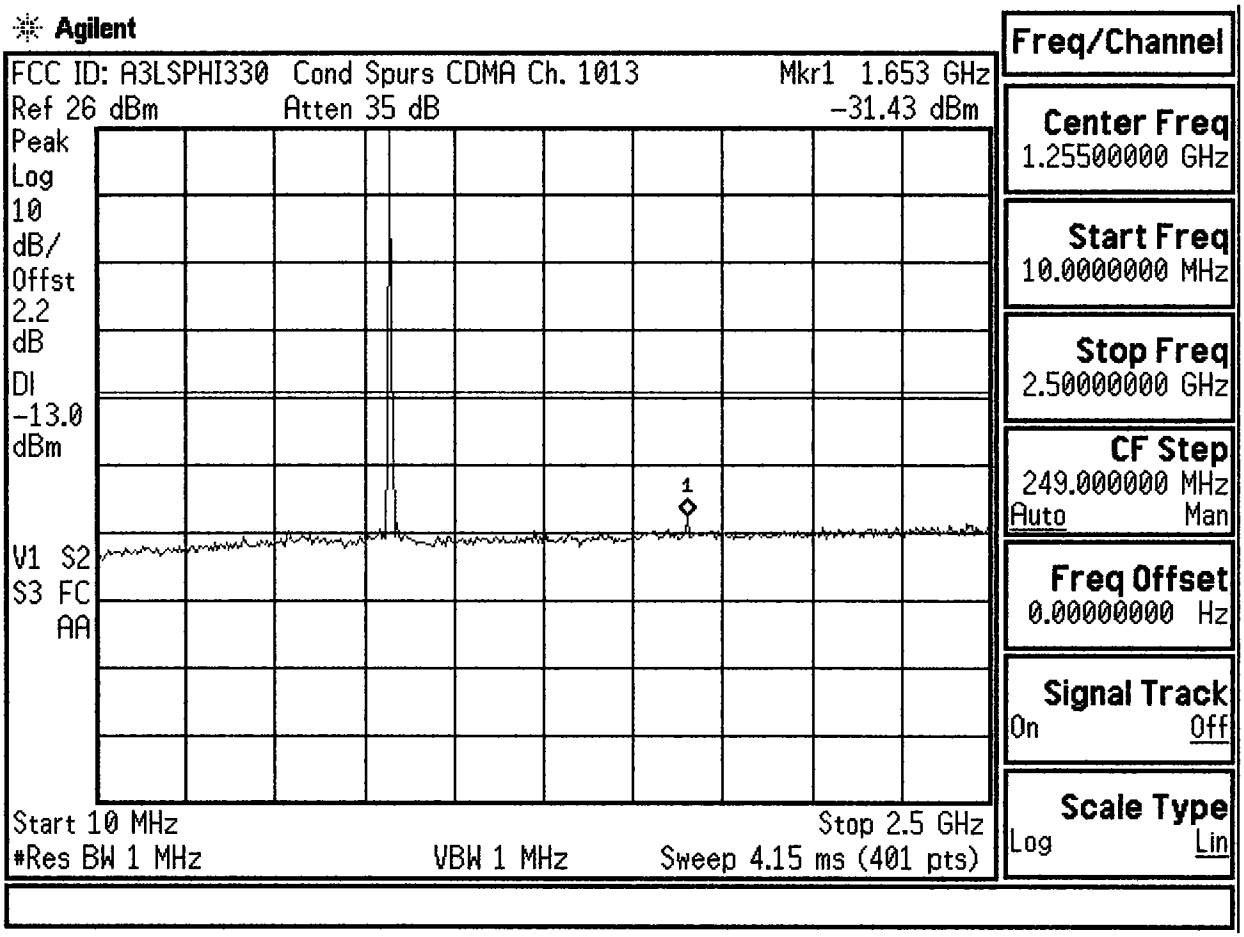

Agilent
FCC ID: A3LSPHI330 Cond Spurs FM Ch. 0383
Mkr1 1.672 GHz
Ref 26.5 dBm
Atten 35 dB
-31.37 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

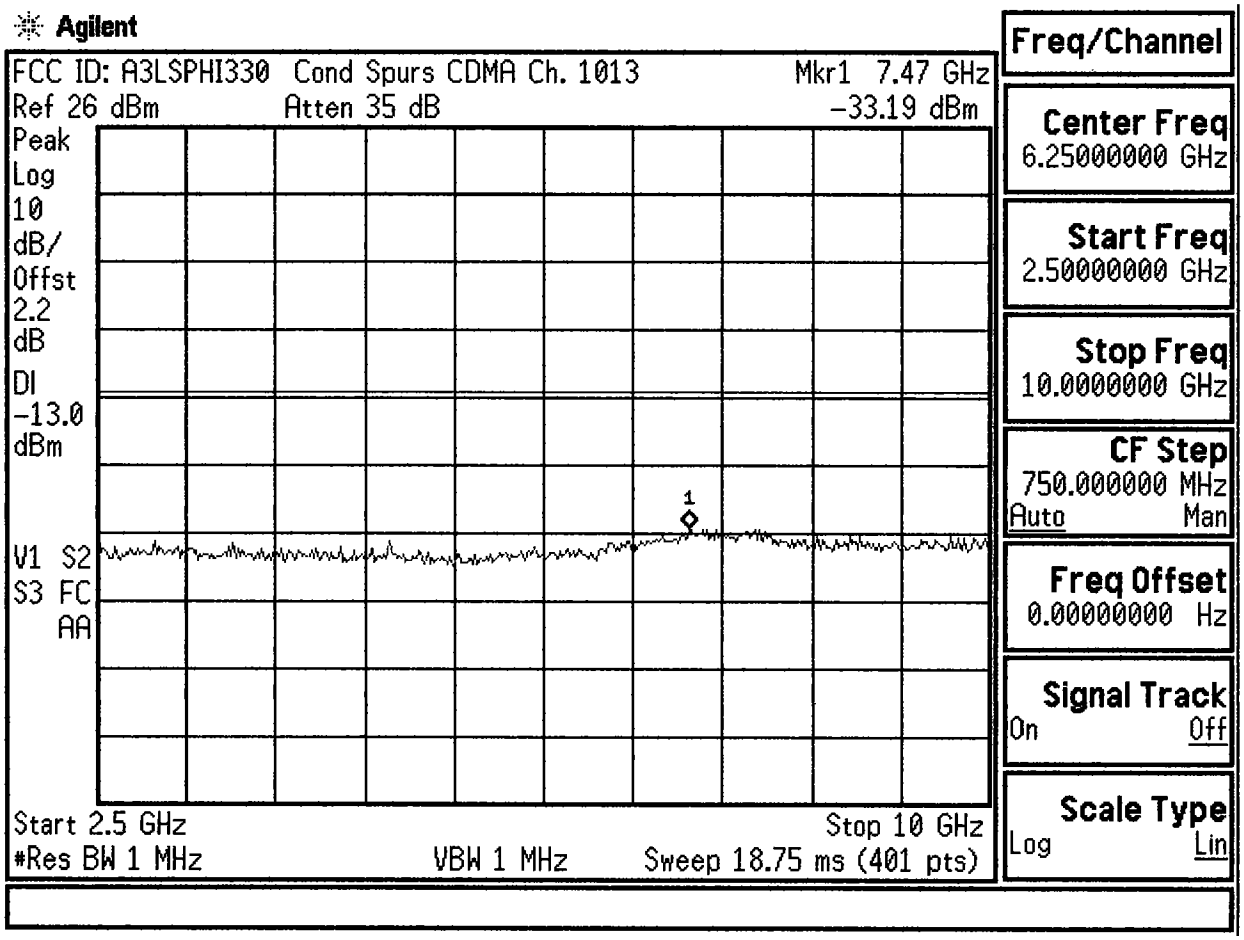

Agilent
FCC ID: A3LSPHI330 Cond Spurs FM Ch. 0383
Mkr1 7.43 GHz
Ref 26.5 dBm
Atten 35 dB
-32.08 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

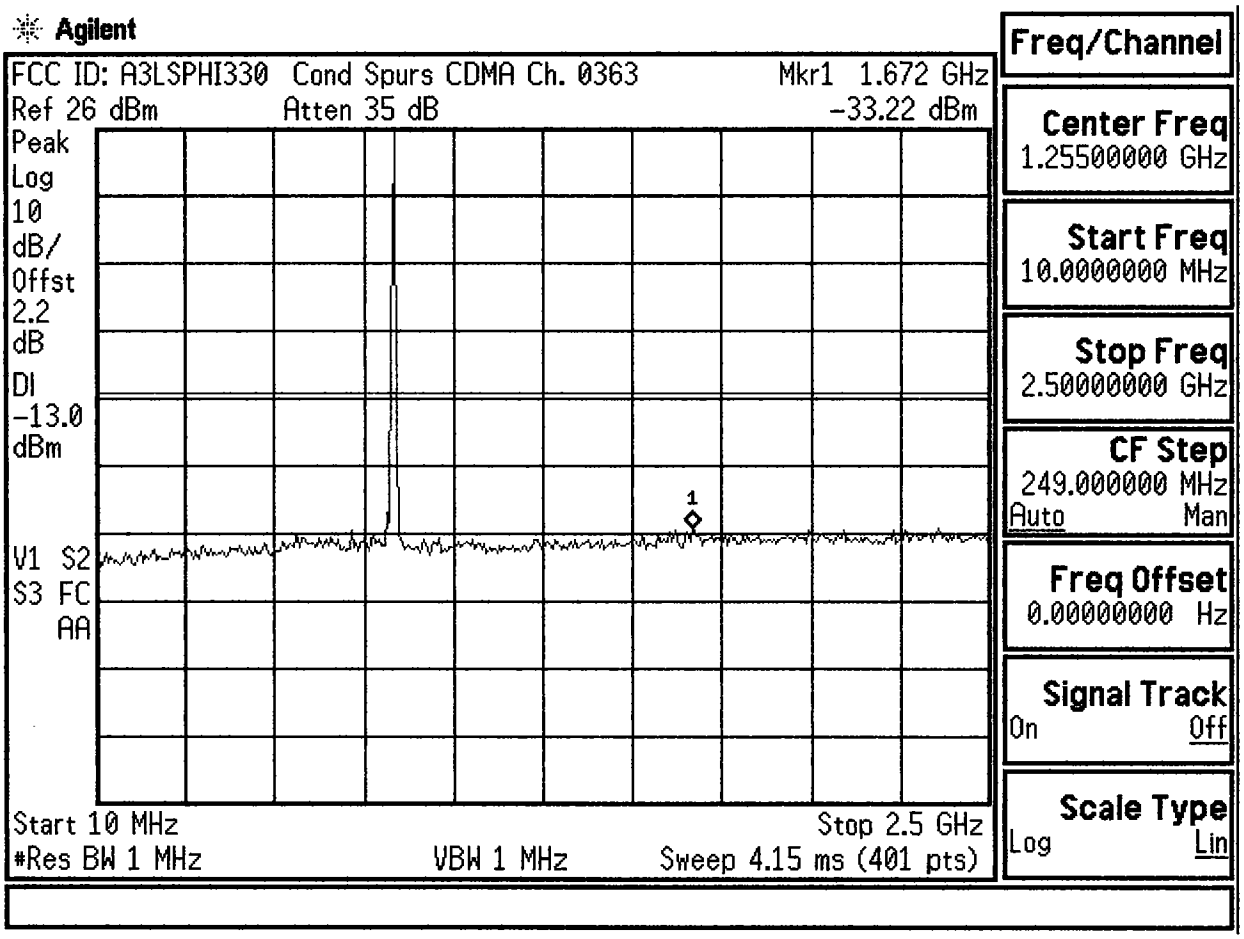

Agilent
FCC ID: A3LSPHI330 Cond Spurs FM Ch. 0799
Mkr1 1.697 GHz
Ref 26.5 dBm
Atten 35 dB
-30.81 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

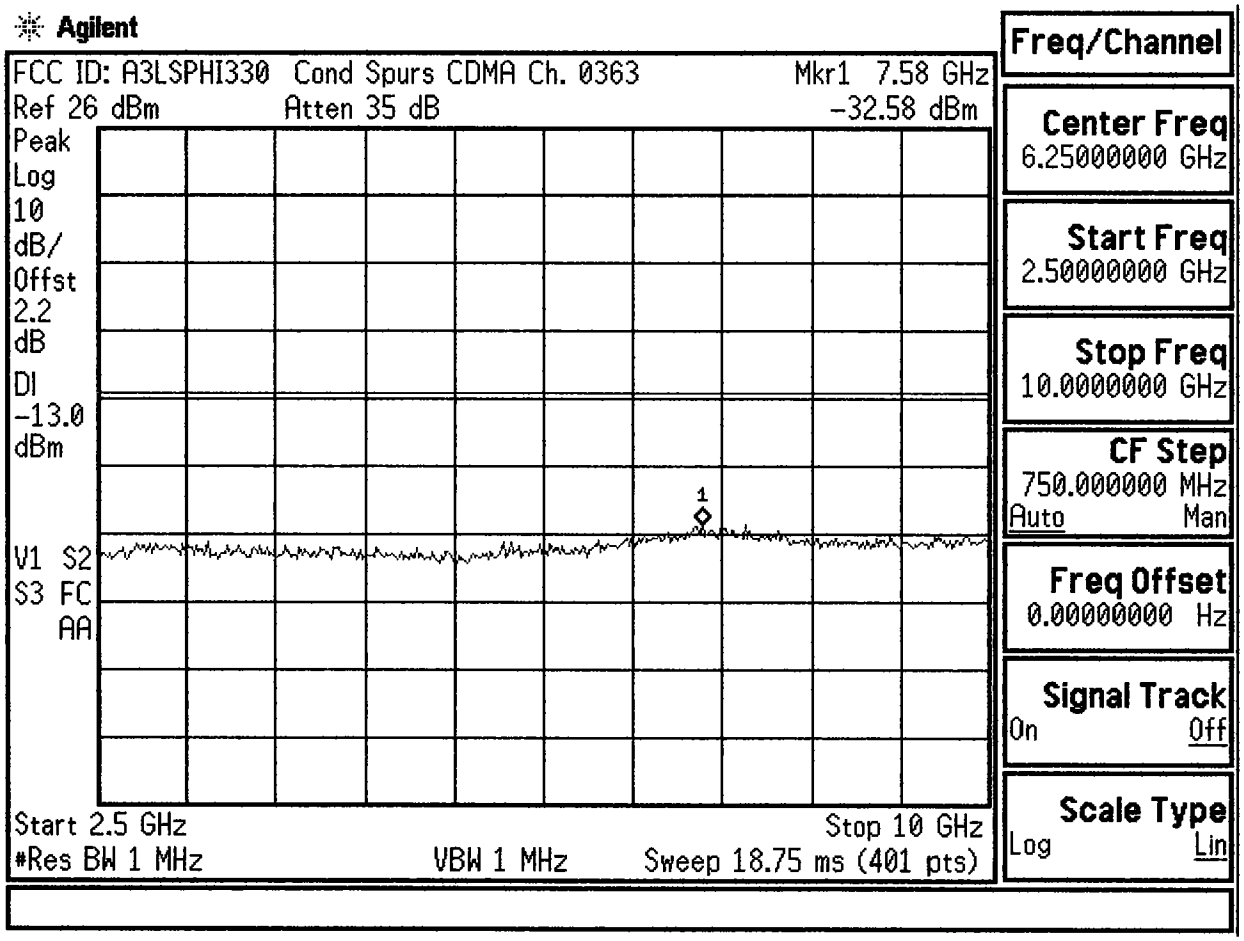

Agilent
FCC ID: A3LSPHI330 Cond Spurs FM Ch. 0799
Mkr1 7.68 GHz
Ref 26.5 dBm
Atten 35 dB
-32.75 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

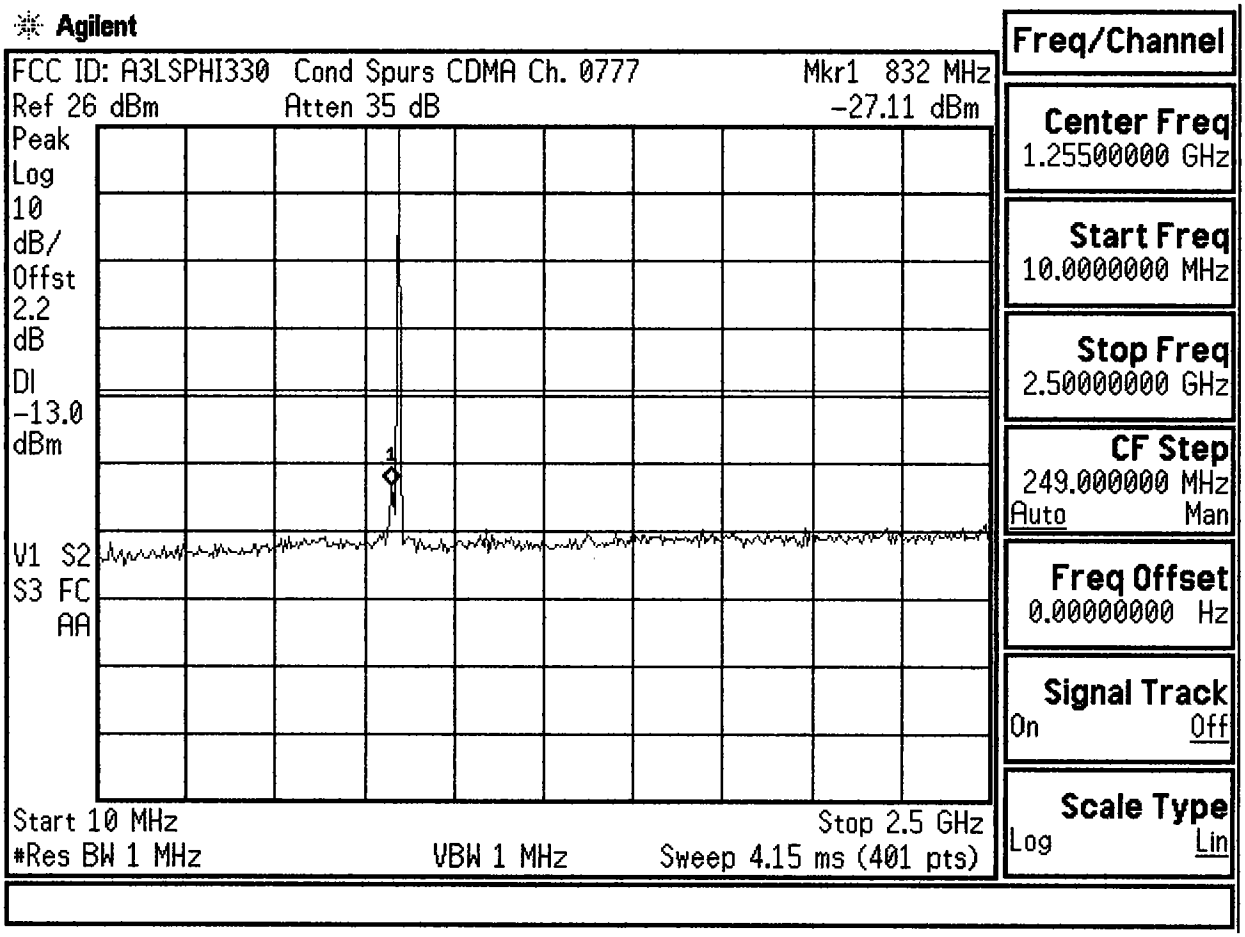

FCC ID: A3LSPHI330 CDMA MODE MKR 876.06 MHz
REF -60.0 dBm ATTEN 10 dB PG 25.0 dB -96.17 dBm
PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-75.0
dBm
VA SB
SC FC
CORR
START 869.00 MHz STOP 894.00 MHz
#RES BW 100 kHz #VBW 300 kHz SWP 20 msec

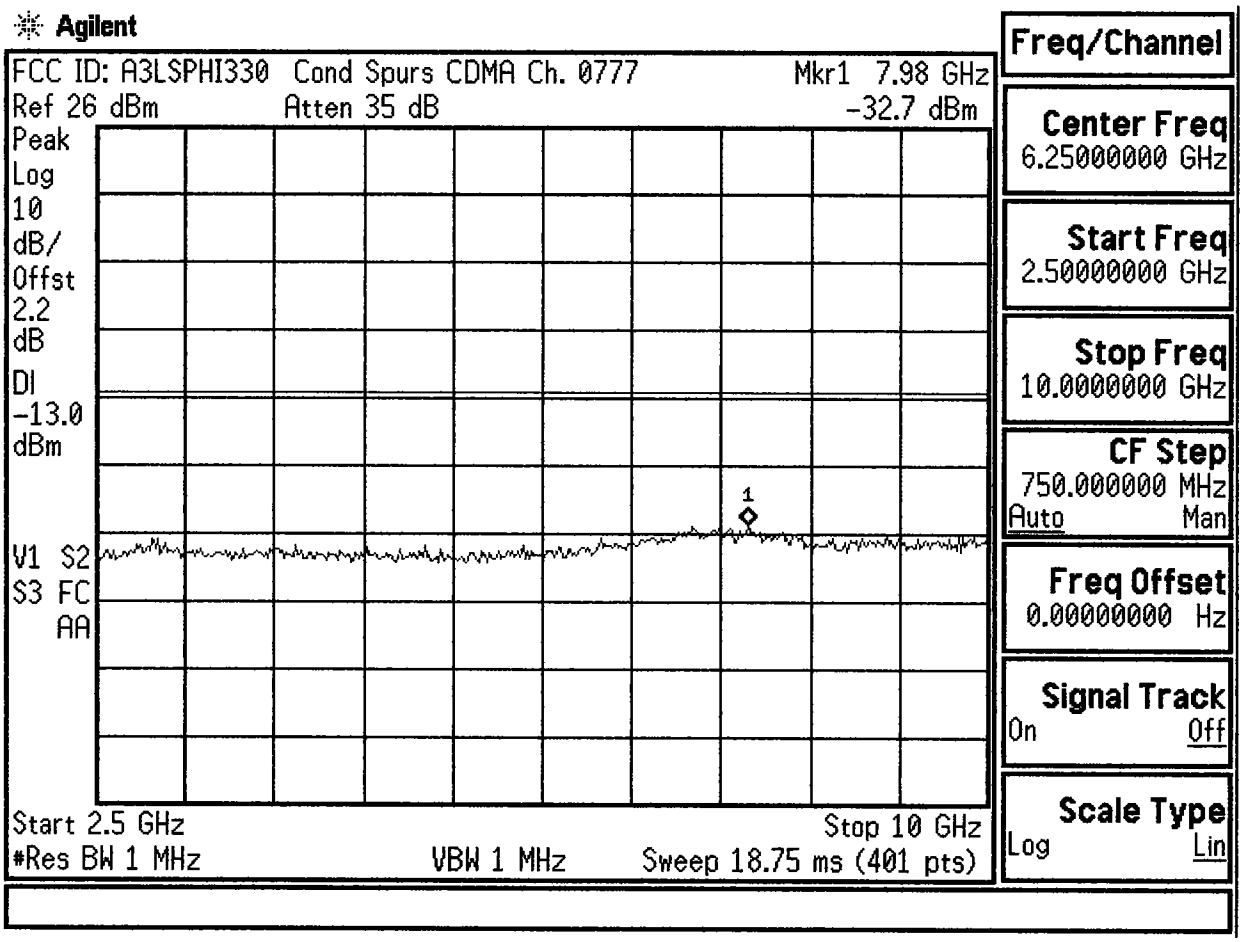

Agilent
FCC ID: A3LSPHI330 Cond Spurs CDMA Ch. 1013
Mkr1 1.653 GHz
Ref 26 dBm
Atten 35 dB
-31.43 dBm
Peak
Log
10
dB/
Offst
2.2
dB
DI
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

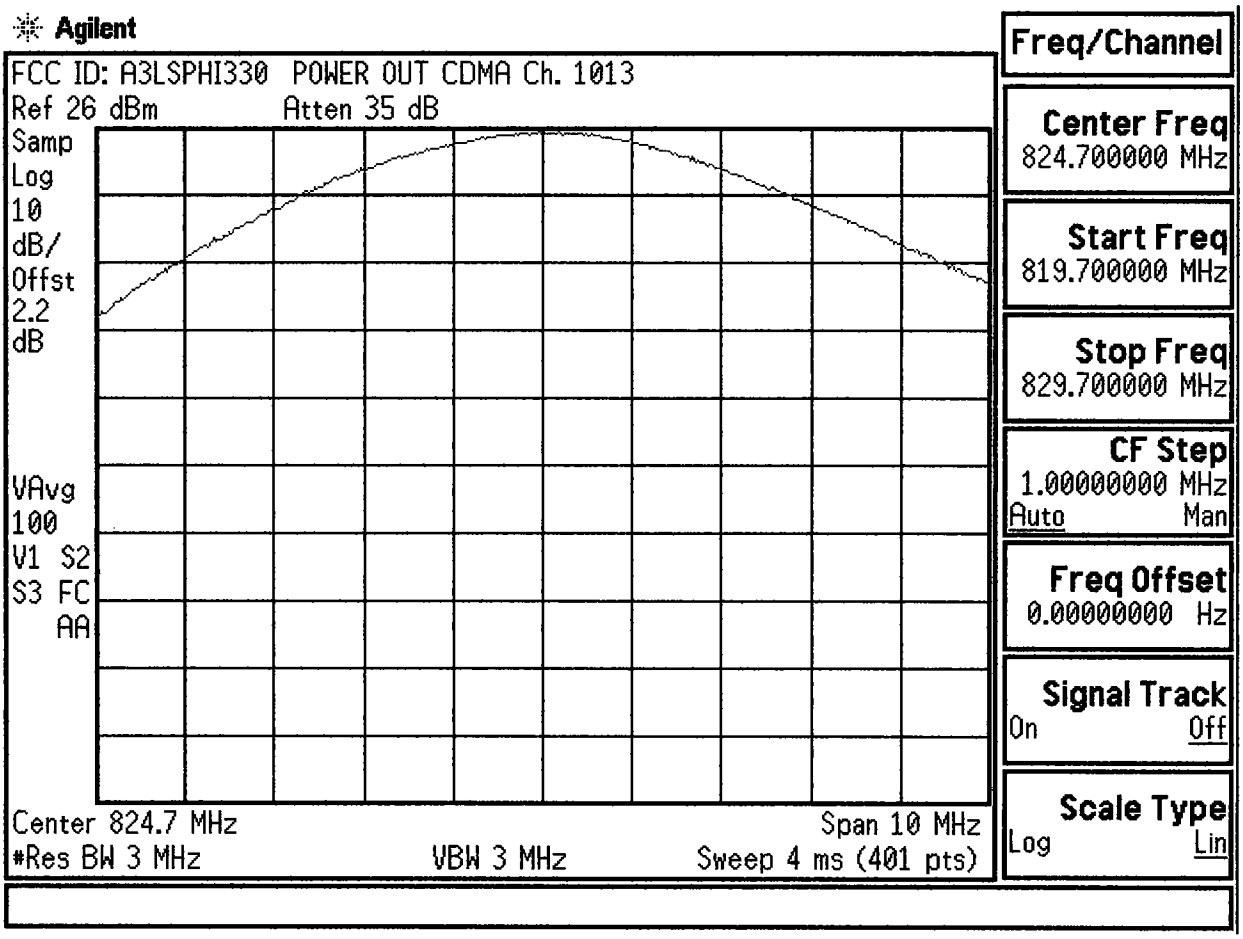

Agilent
FCC ID: A3LSPHI330 Cond Spurs CDMA Ch. 1013
Mkr1 7.47 GHz
Ref 26 dBm
Atten 35 dB
-33.19 dBm
Peak
Log
10
dB/
Offst
2.2
dB
DI
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

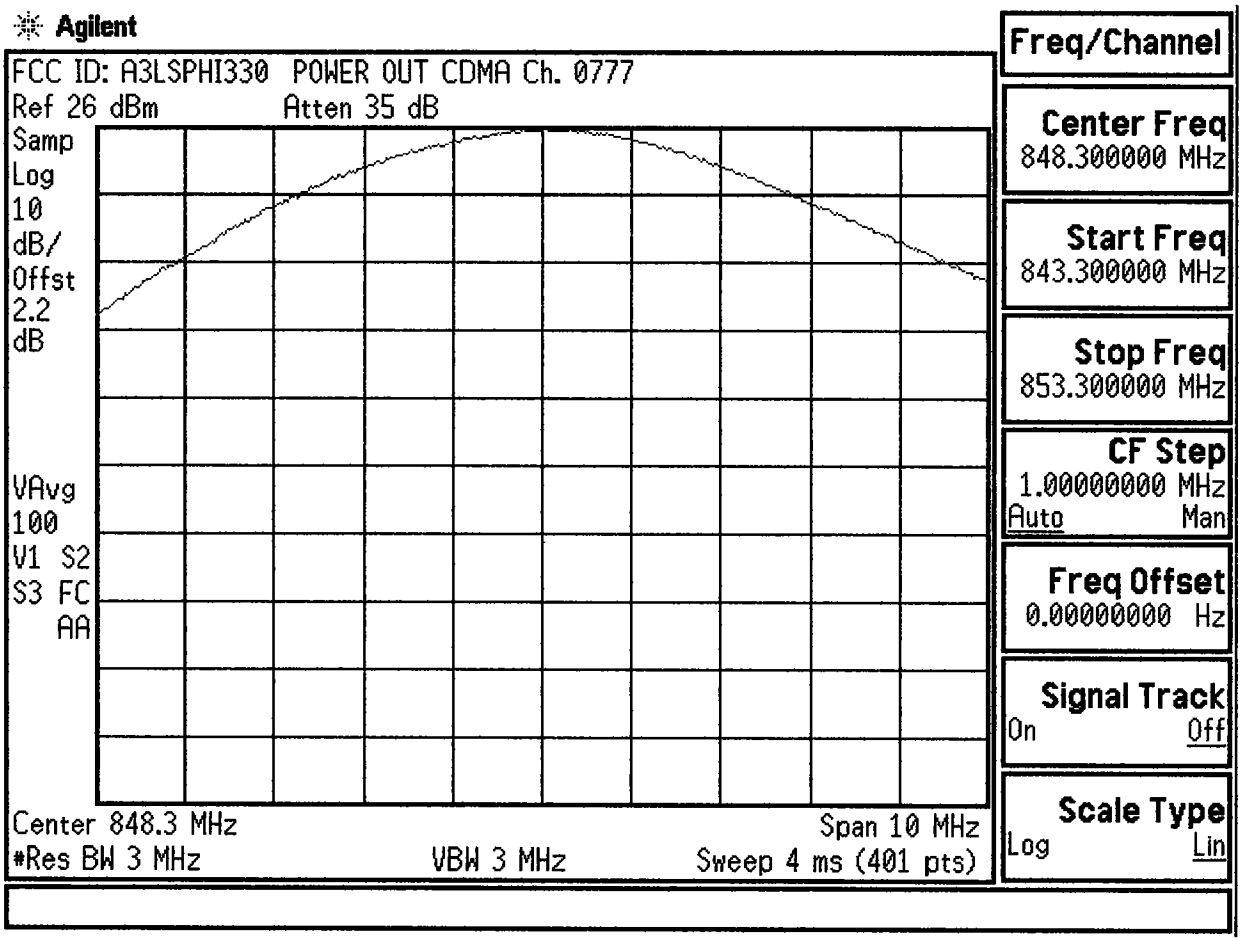

Agilent
FCC ID: A3LSPHI330 Cond Spurs CDMA Ch. 0363
Mkr1 1.672 GHz
Ref 26 dBm
Atten 35 dB
-33.22 dBm
Peak
Log
10
dB/
Offst
2.2
dB
DI
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

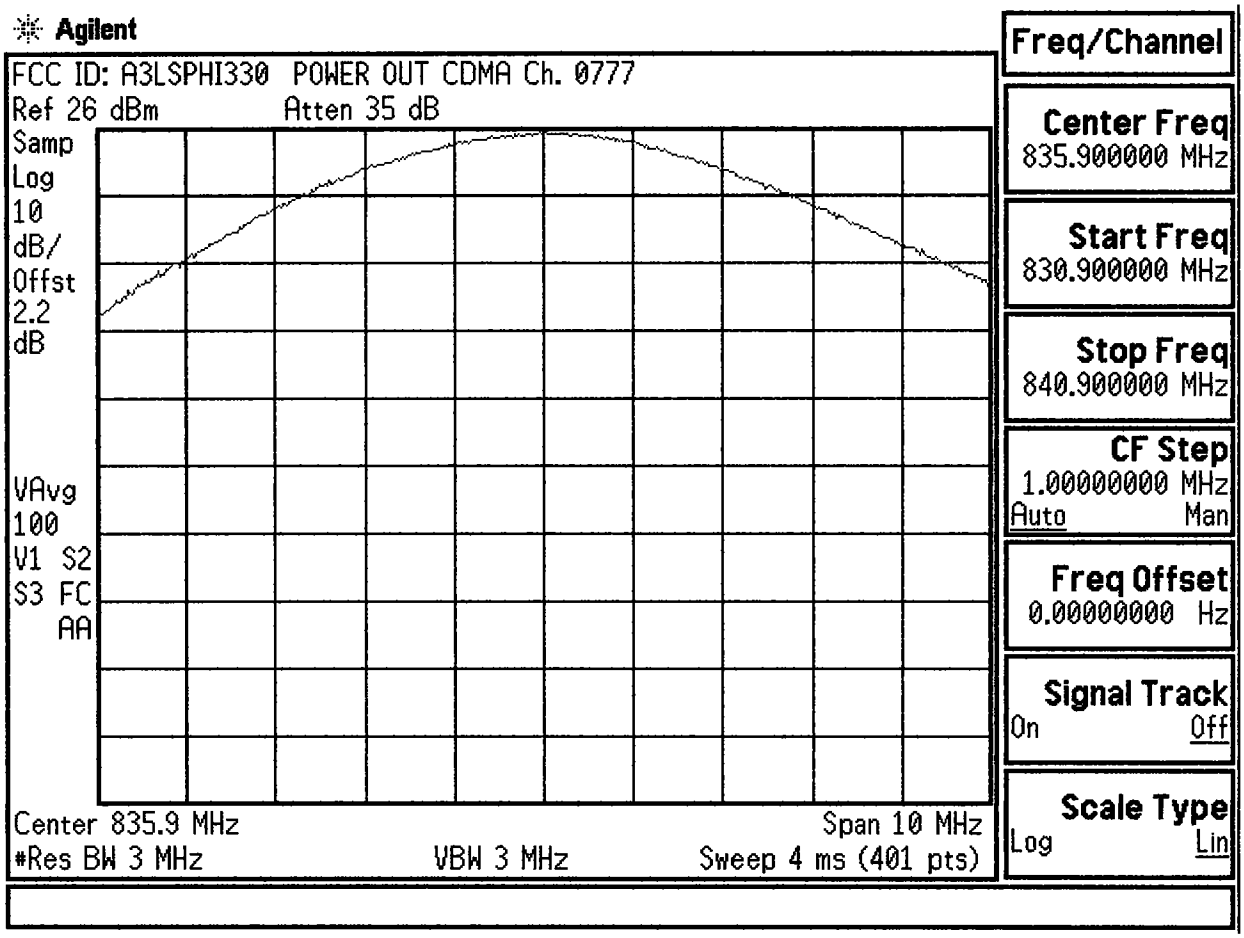

Agilent
FCC ID: A3LSPHI330 Cond Spurs CDMA Ch. 0363
Mkr1 7.58 GHz
Ref 26 dBm
Atten 35 dB
-32.58 dBm
Peak
Log
10
dB/
Offst
2.2
dB
DI
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

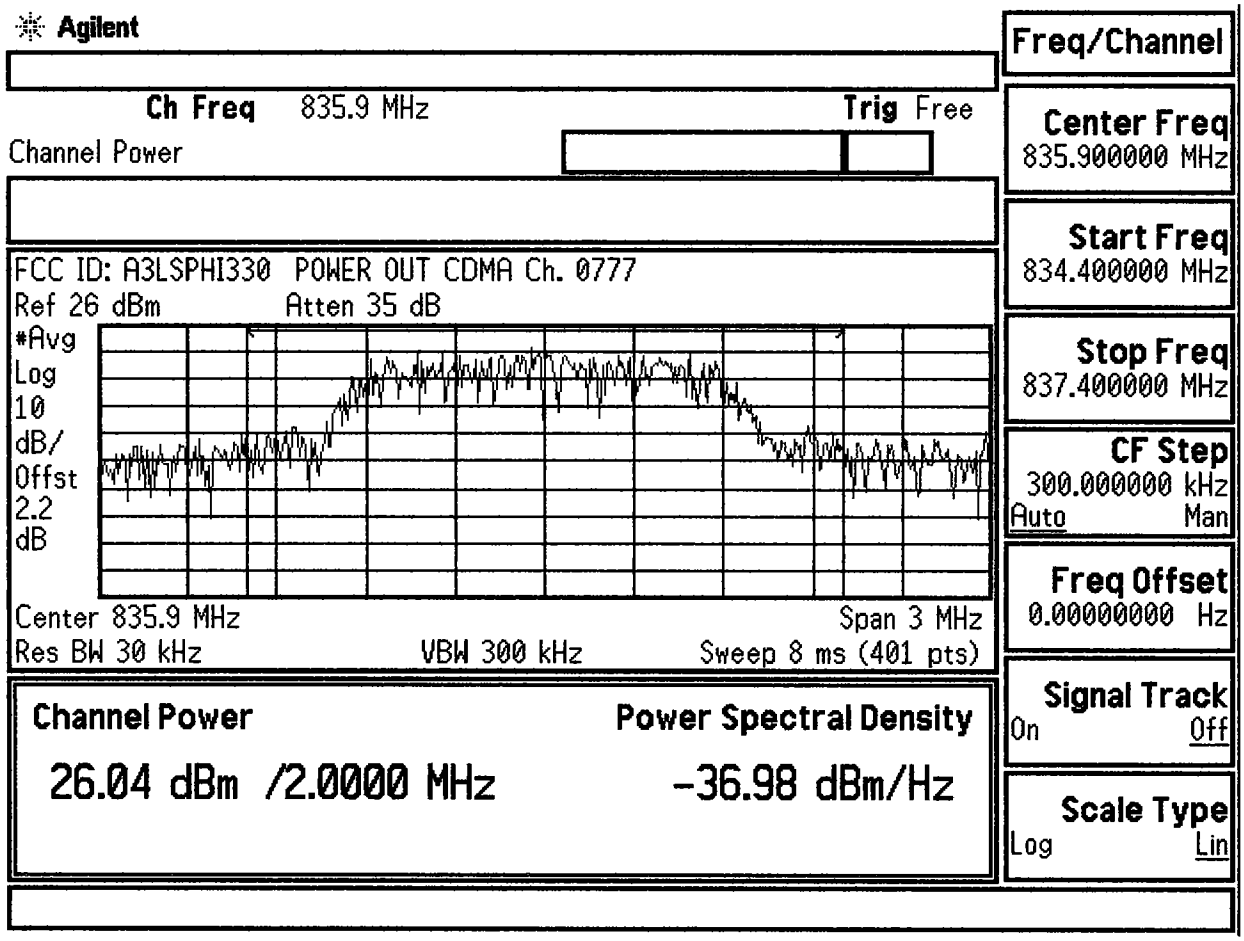

Agilent
FCC ID: A3LSPHI330 Cond Spurs CDMA Ch. 0777
Mkr1 832 MHz
Ref 26 dBm
Atten 35 dB
-27.11 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

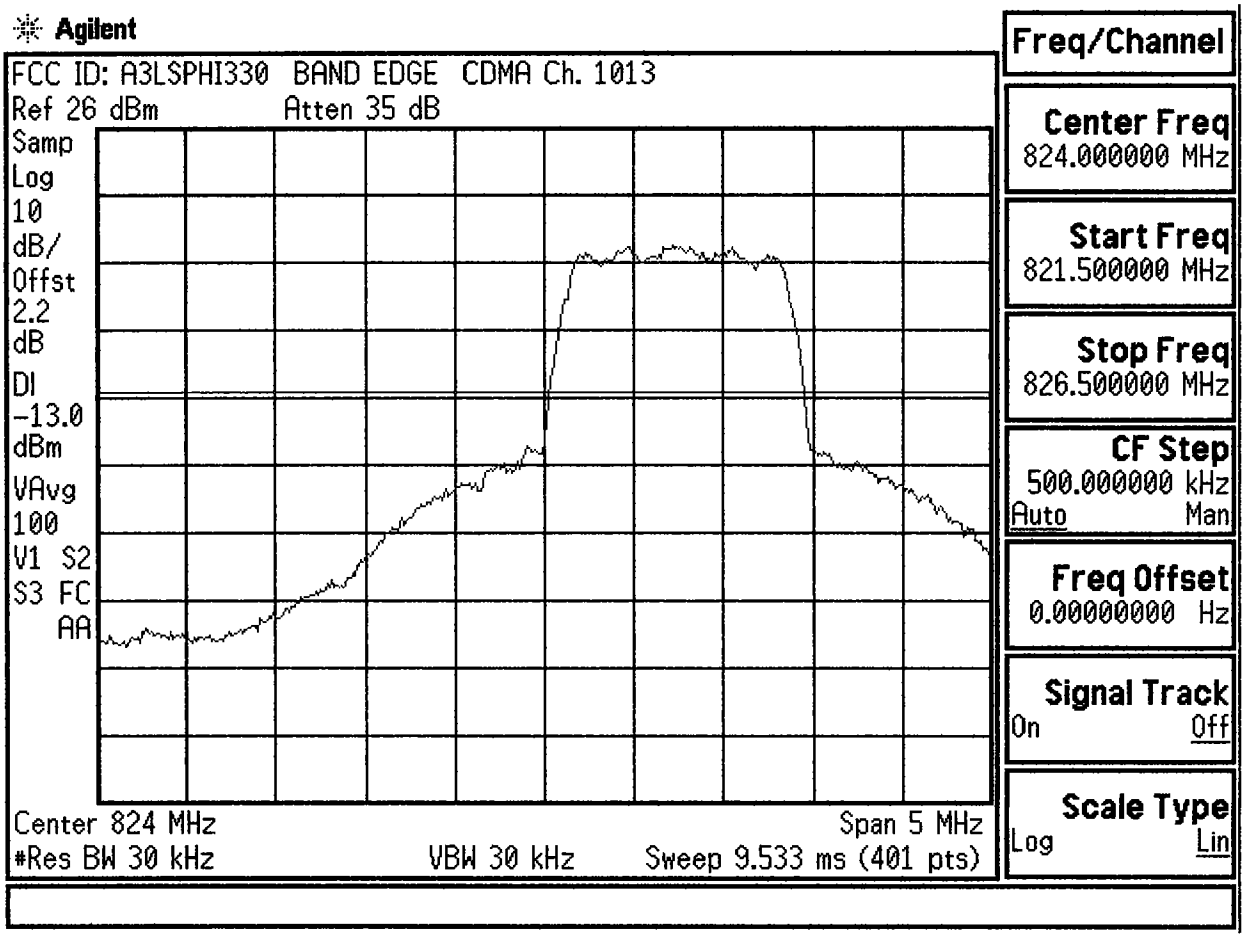

Agilent
FCC ID: A3LSPHI330 Cond Spurs CDMA Ch. 0777
Mkr1 7.98 GHz
Ref 26 dBm
Atten 35 dB
-32.7 dBm
Peak
Log
10
dB/
Offst
2.2
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 10 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 18.75 ms (401 pts)
Freq/Channel
Center Freq
6.25000000 GHz
Start Freq
2.50000000 GHz
Stop Freq
10.0000000 GHz
CF Step
750.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

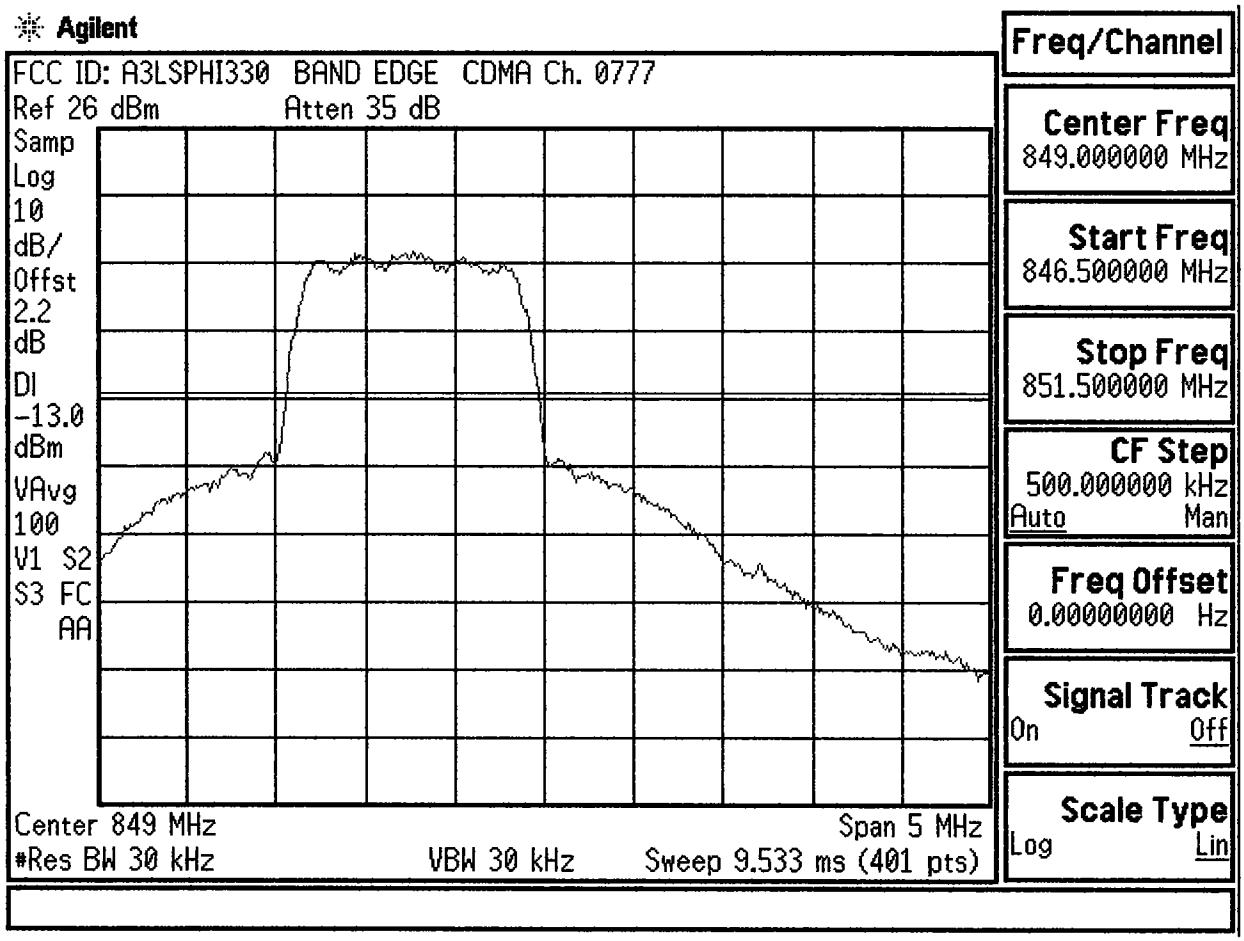

Agilent
FCC ID: A3LSPHI330 POWER OUT CDMA Ch. 1013
Ref 26 dBm
Atten 35 dB
Samp
Log
10
dB/
Offst
2.2
dB
VAvg
100
V1 S2
S3 FC
AA
Center 824.7 MHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
Sweep 4 ms (401 pts)
Freq/Channel
Center Freq
824.700000 MHz
Start Freq
819.700000 MHz
Stop Freq
829.700000 MHz
CF Step
1.00000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

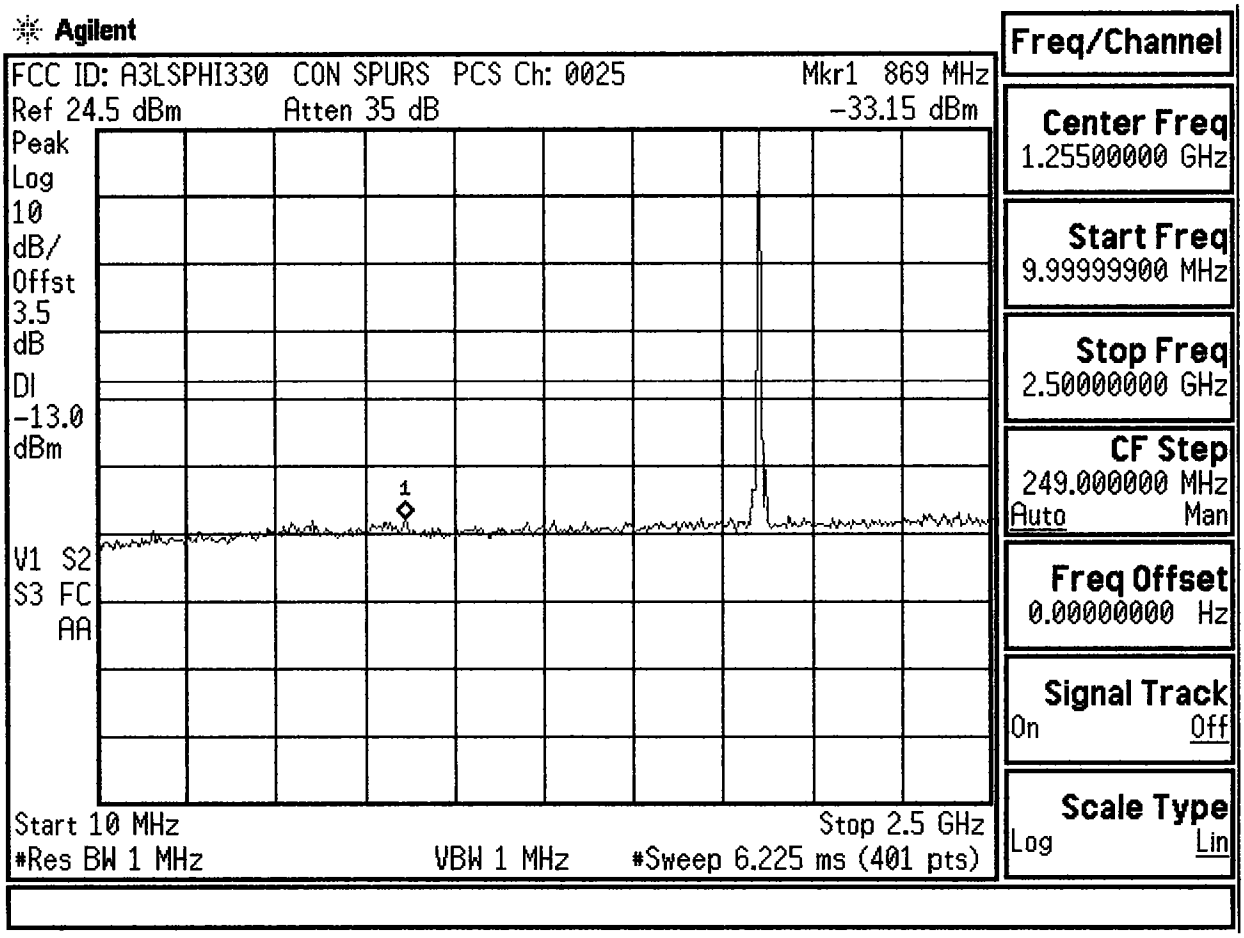

Agilent
FCC ID: A3LSPHI330 POWER OUT CDMA Ch. 0777
Ref 26 dBm
Atten 35 dB
Samp
Log
10
dB/
Offst
2.2
dB
VAvg
100
V1 S2
S3 FC
AA
Center 848.3 MHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
Sweep 4 ms (401 pts)
Freq/Channel
Center Freq
848.300000 MHz
Start Freq
843.300000 MHz
Stop Freq
853.300000 MHz
CF Step
1.00000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

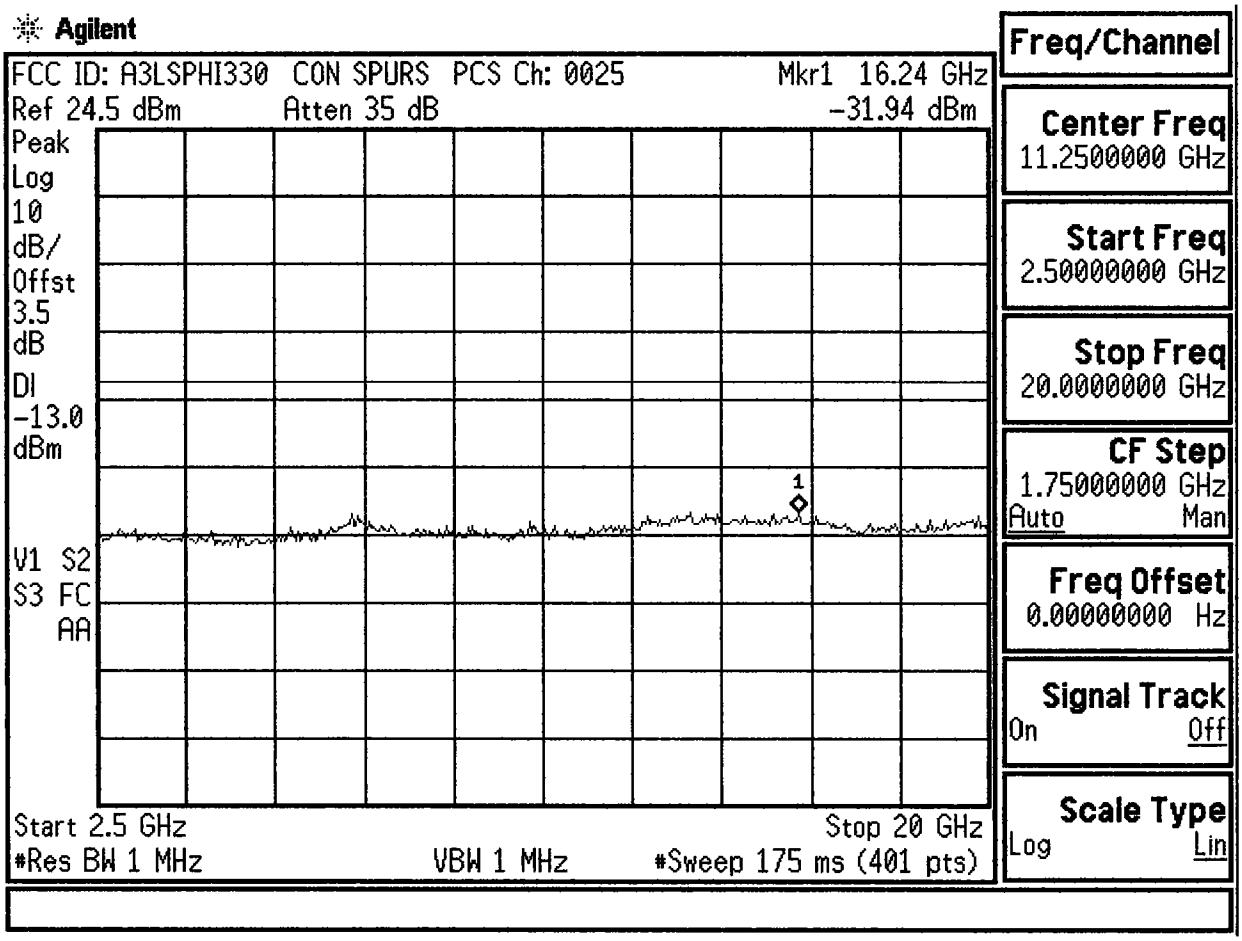

Agilent
FCC ID: A3LSPHI330 POWER OUT CDMA Ch. 0777
Ref 26 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
2.2
dB
VAvg
100
V1 S2
S3 FC
AA
Center 835.9 MHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
Sweep 4 ms (401 pts)
Freq/Channel
Center Freq
835.900000 MHz
Start Freq
830.900000 MHz
Stop Freq
840.900000 MHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

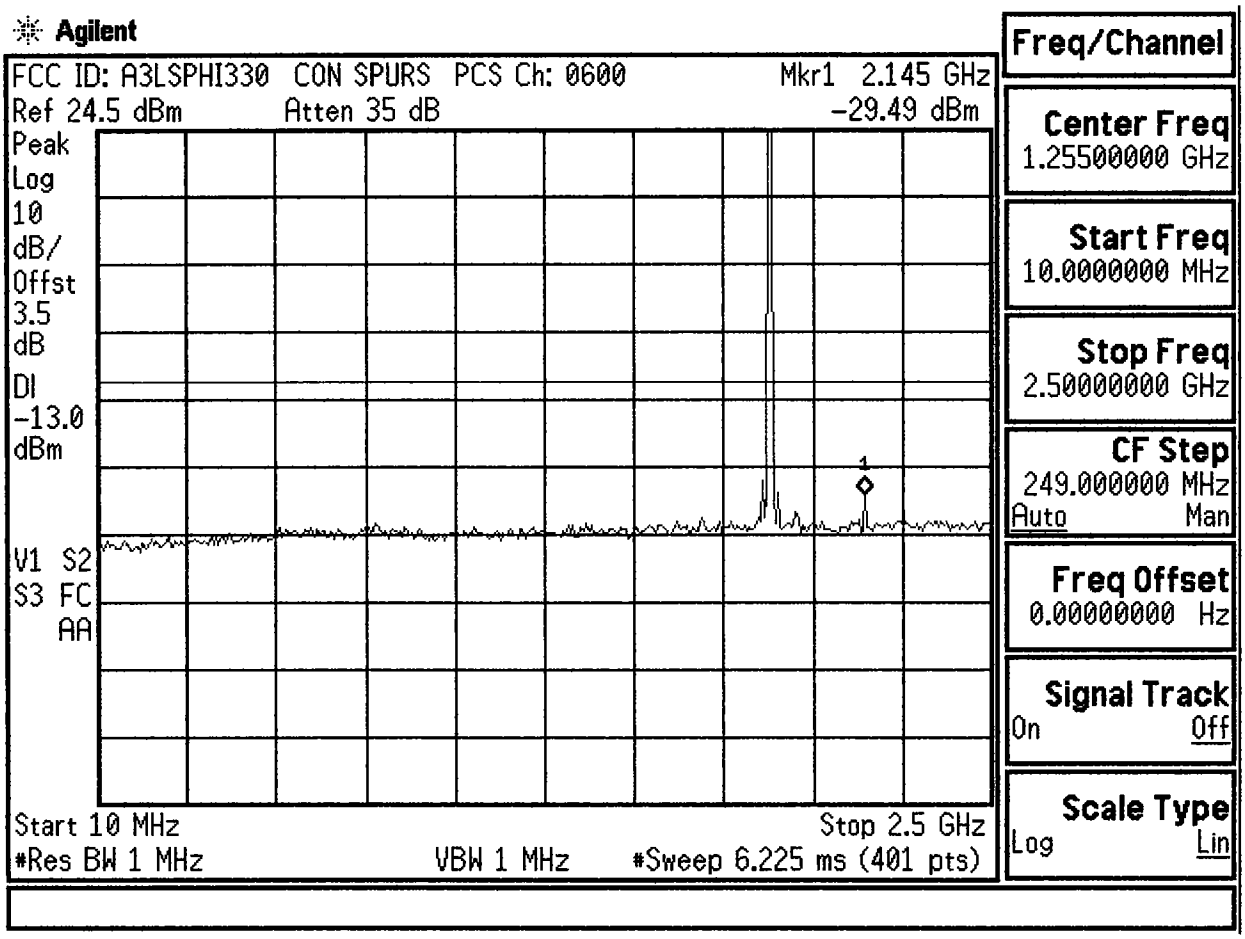

Agilent
Ch Freq 835.9 MHz
Trig Free
Channel Power
FCC ID: A3LSPHI330 POWER OUT CDMA Ch. 0777
Ref 26 dBm Atten 35 dB
#Avg
Log
10
dB/
Offst
2.2
dB
Center 835.9 MHz
Span 3 MHz
Res BW 30 kHz
VBW 300 kHz
Sweep 8 ms (401 pts)
Channel Power
26.04 dBm /2.0000 MHz
Power Spectral Density
-36.98 dBm/Hz
Freq/Channel
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

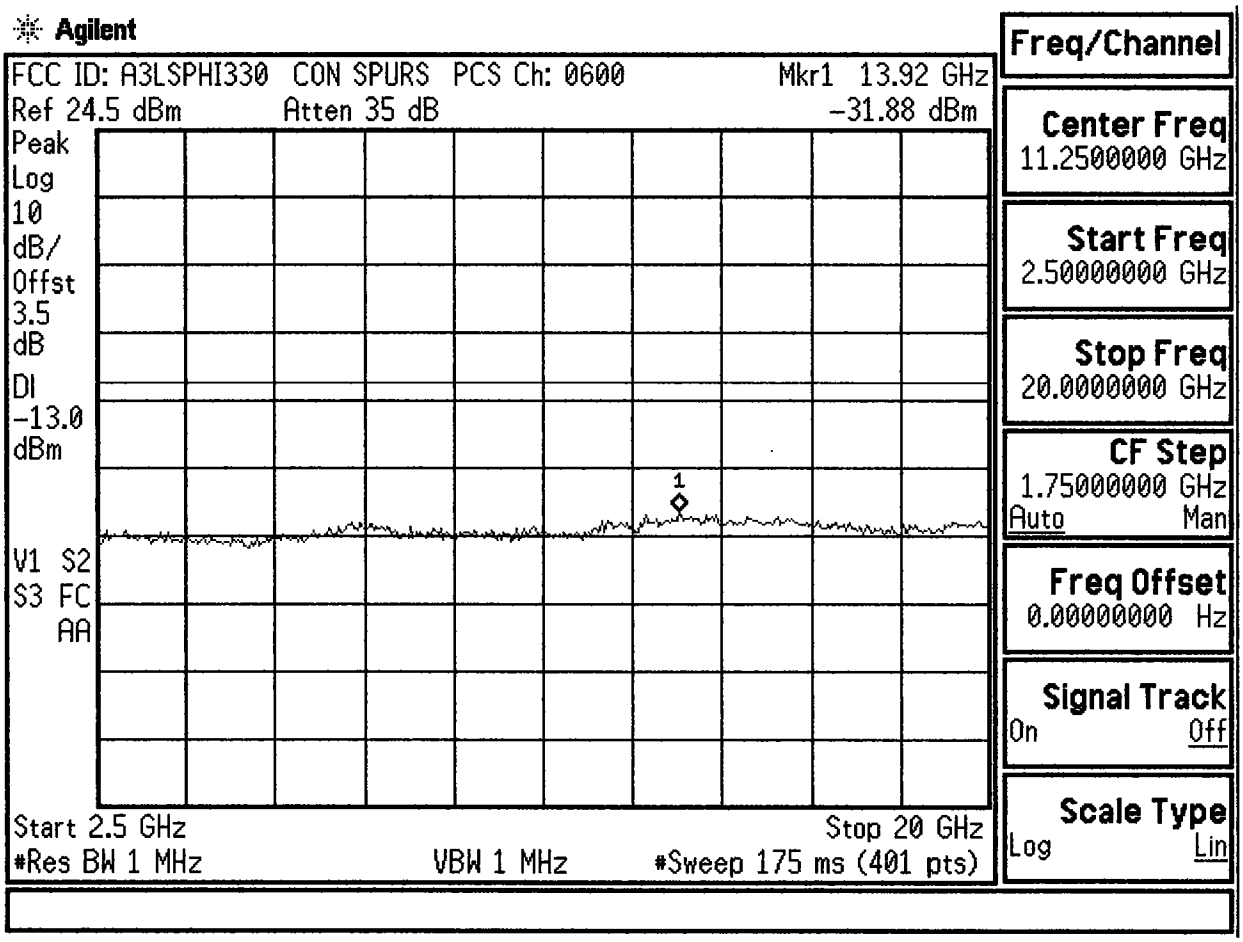

Agilent
FCC ID: A3LSPHI330 BAND EDGE CDMA Ch. 1013
Ref 26 dBm
Atten 35 dB
Samp
Log
10
dB/
Offst
2.2
dB
DI
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 824 MHz
Span 5 MHz
#Res BW 30 kHz
VBW 30 kHz
Sweep 9.533 ms (401 pts)
Freq/Channel
Center Freq
824.000000 MHz
Start Freq
821.500000 MHz
Stop Freq
826.500000 MHz
CF Step
500.000000 kHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

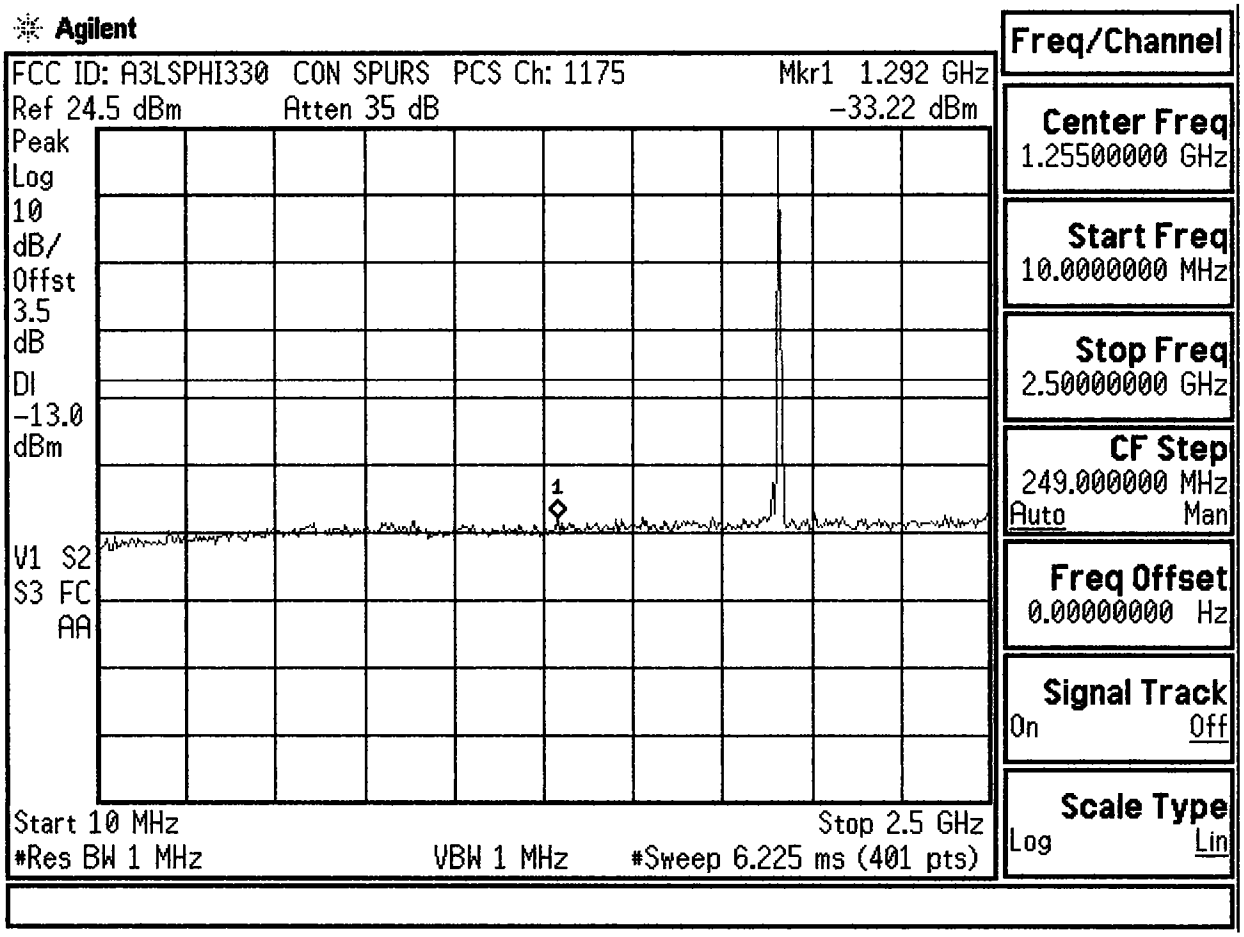

Agilent
FCC ID: A3LSPHI330 BAND EDGE CDMA Ch. 0777
Ref 26 dBm
Atten 35 dB
Samp
Log
10
dB/
Offst
2.2
dB
DI
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 849 MHz
Span 5 MHz
#Res BW 30 kHz
VBW 30 kHz
Sweep 9.533 ms (401 pts)
Freq/Channel
Center Freq
849.000000 MHz
Start Freq
846.500000 MHz
Stop Freq
851.500000 MHz
CF Step
500.000000 kHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

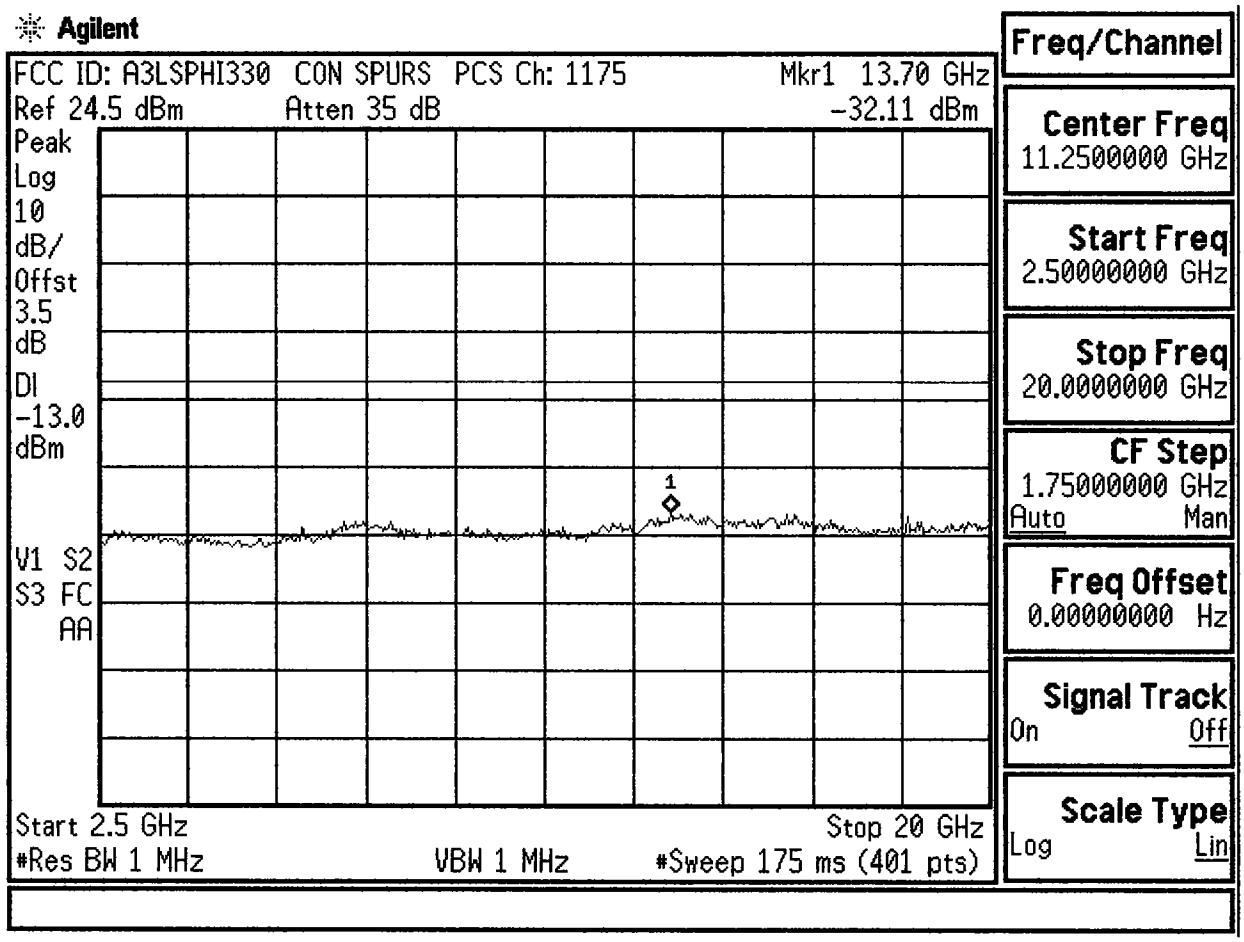

Agilent
FCC ID: A3LSPHI330 CON SPURS PCS Ch: 0025
Mkr1 869 MHz
Ref 24.5 dBm
Atten 35 dB
-33.15 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
9.99999900 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

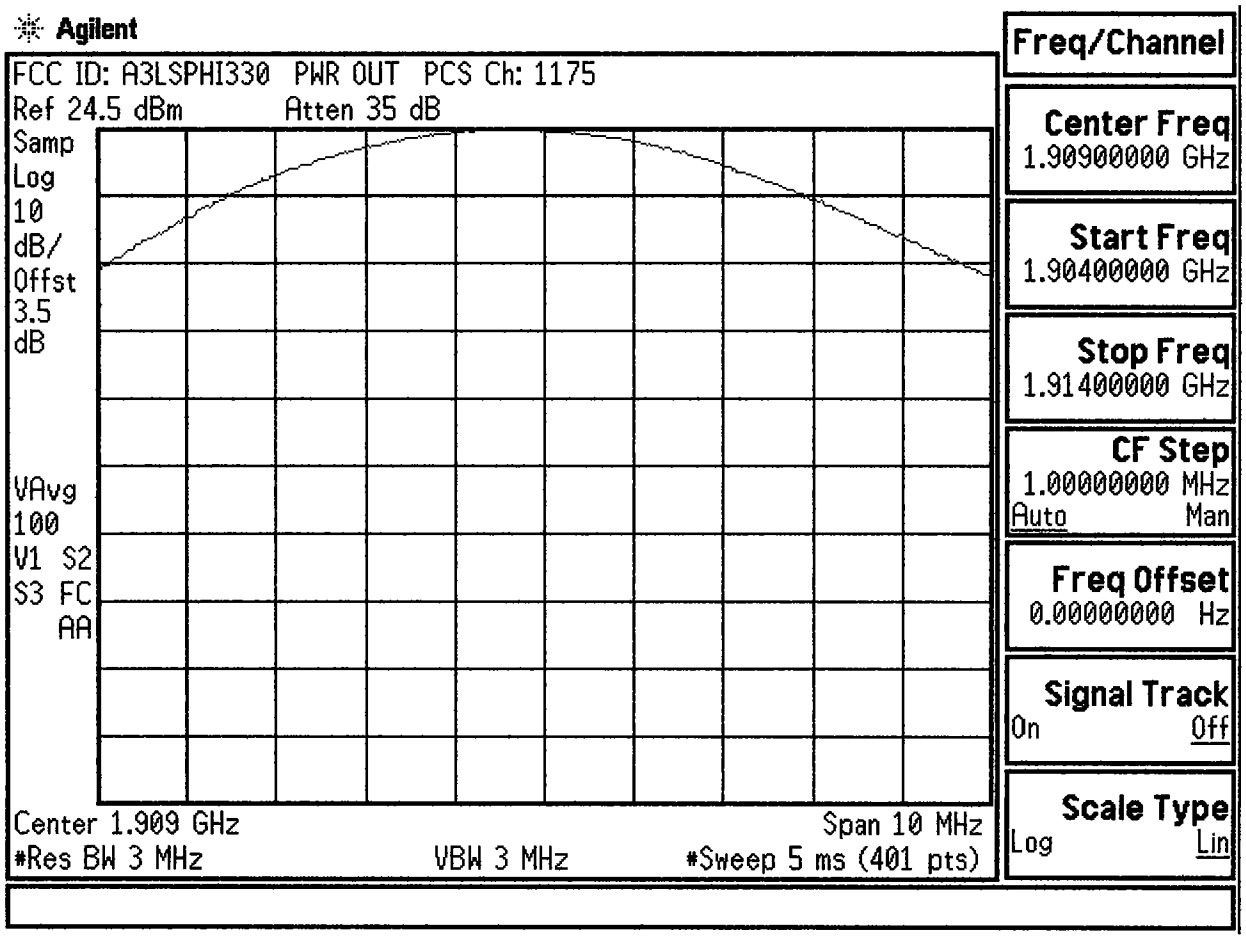

Agilent
FCC ID: A3LSPHI330 CON SPURS PCS Ch: 0025
Mkr1 16.24 GHz
Ref 24.5 dBm
Atten 35 dB
-31.94 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 20 GHz
#Res BW 1 MHz
VBW 1 MHz
#Sweep 175 ms (401 pts)
Freq/Channel
Center Freq
11.2500000 GHz
Start Freq
2.50000000 GHz
Stop Freq
20.0000000 GHz
CF Step
1.75000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

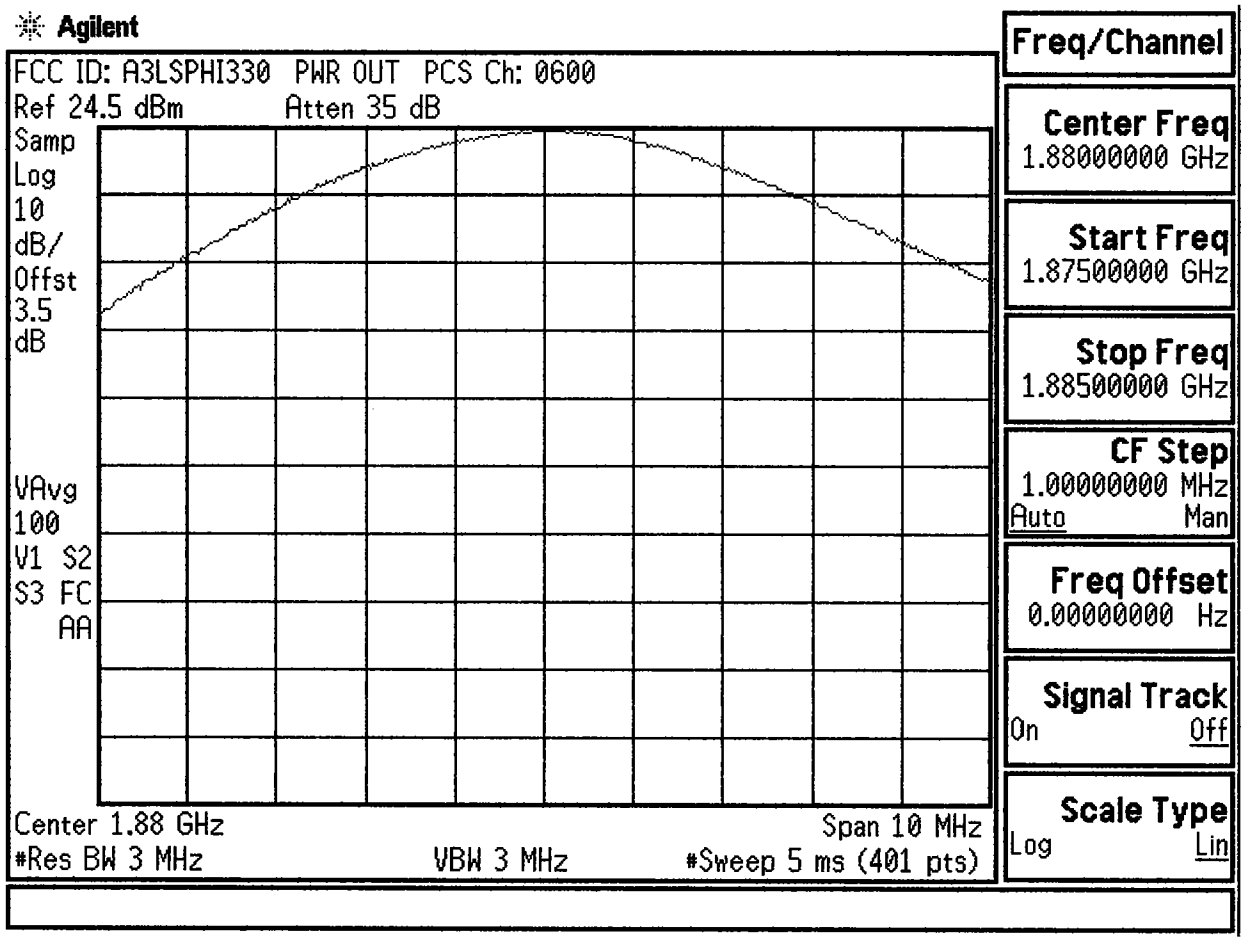

Agilent
FCC ID: A3LSPHI330 CON SPURS PCS Ch: 0600
Mkr1 2.145 GHz
Ref 24.5 dBm
Atten 35 dB
-29.49 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

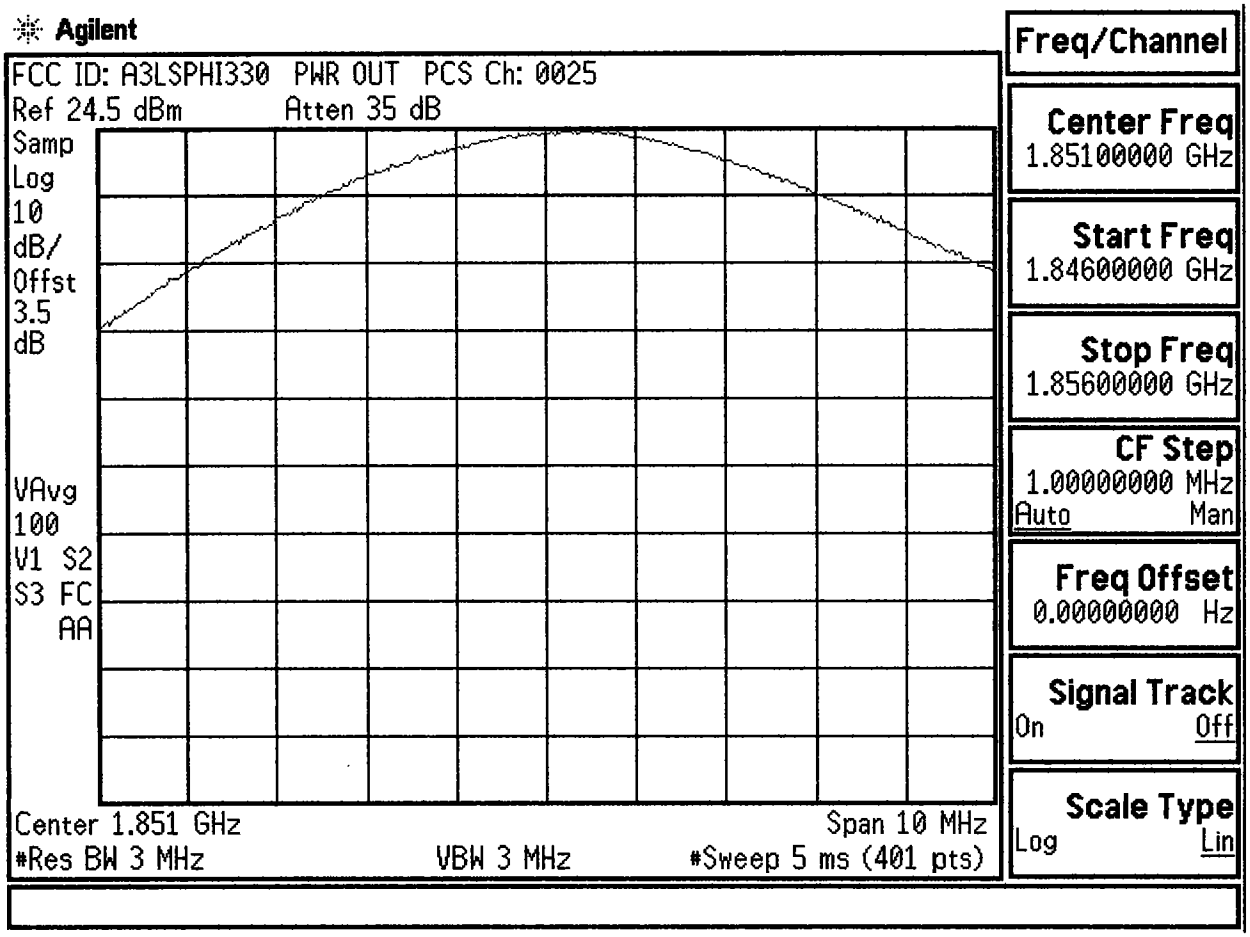

Agilent
FCC ID: A3LSPHI330 CON SPURS PCS Ch: 0600
Mkr1 13.92 GHz
Ref 24.5 dBm
Atten 35 dB
-31.88 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 20 GHz
#Res BW 1 MHz
VBW 1 MHz
#Sweep 175 ms (401 pts)
Freq/Channel
Center Freq
11.2500000 GHz
Start Freq
2.50000000 GHz
Stop Freq
20.0000000 GHz
CF Step
1.75000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

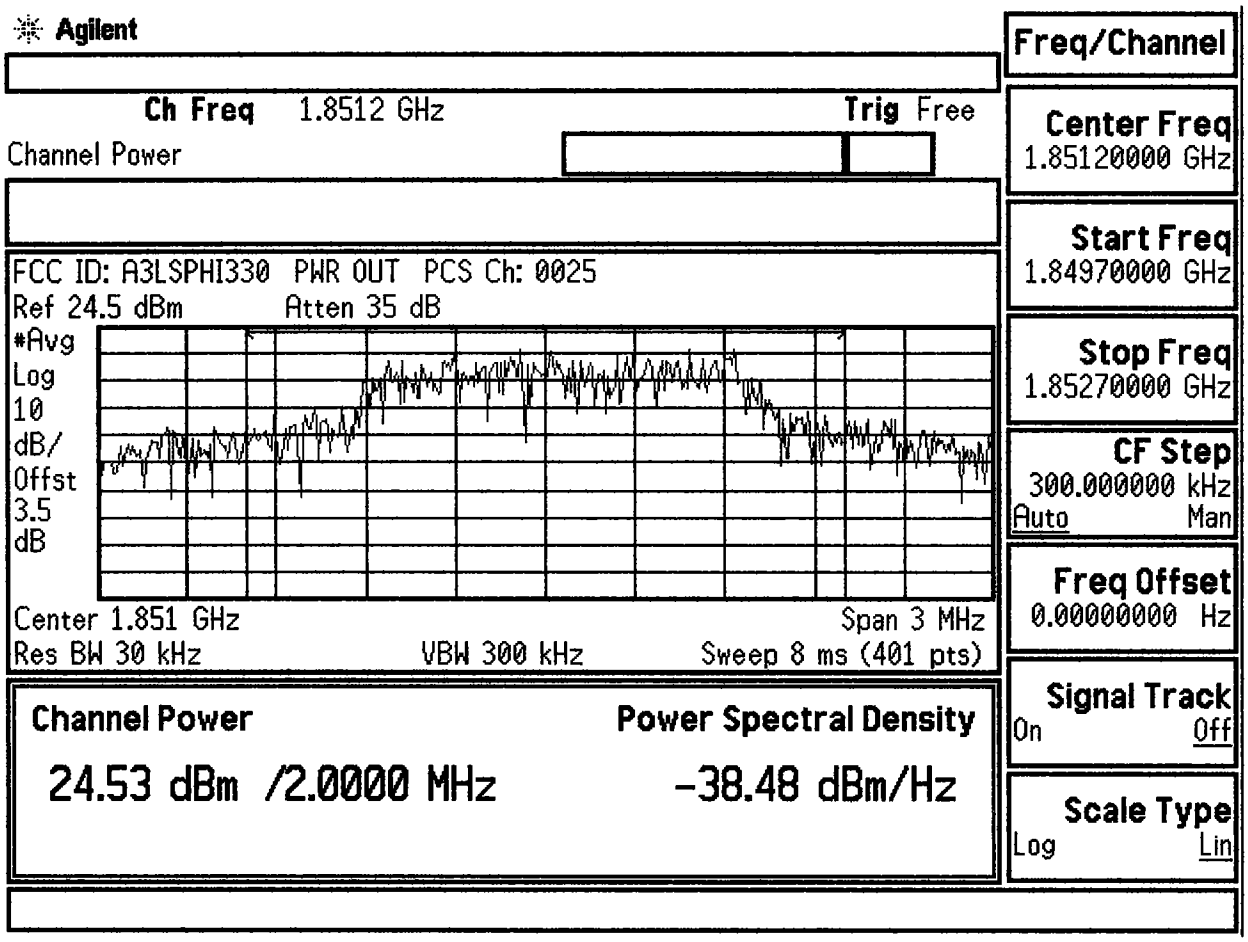

Agilent
FCC ID: A3LSPHI330 CON SPURS PCS Ch: 1175
Mkr1 1.292 GHz
Ref 24.5 dBm
Atten 35 dB
-33.22 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
#Sweep 6.225 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start Freq
10.0000000 MHz
Stop Freq
2.50000000 GHz
CF Step
249.000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

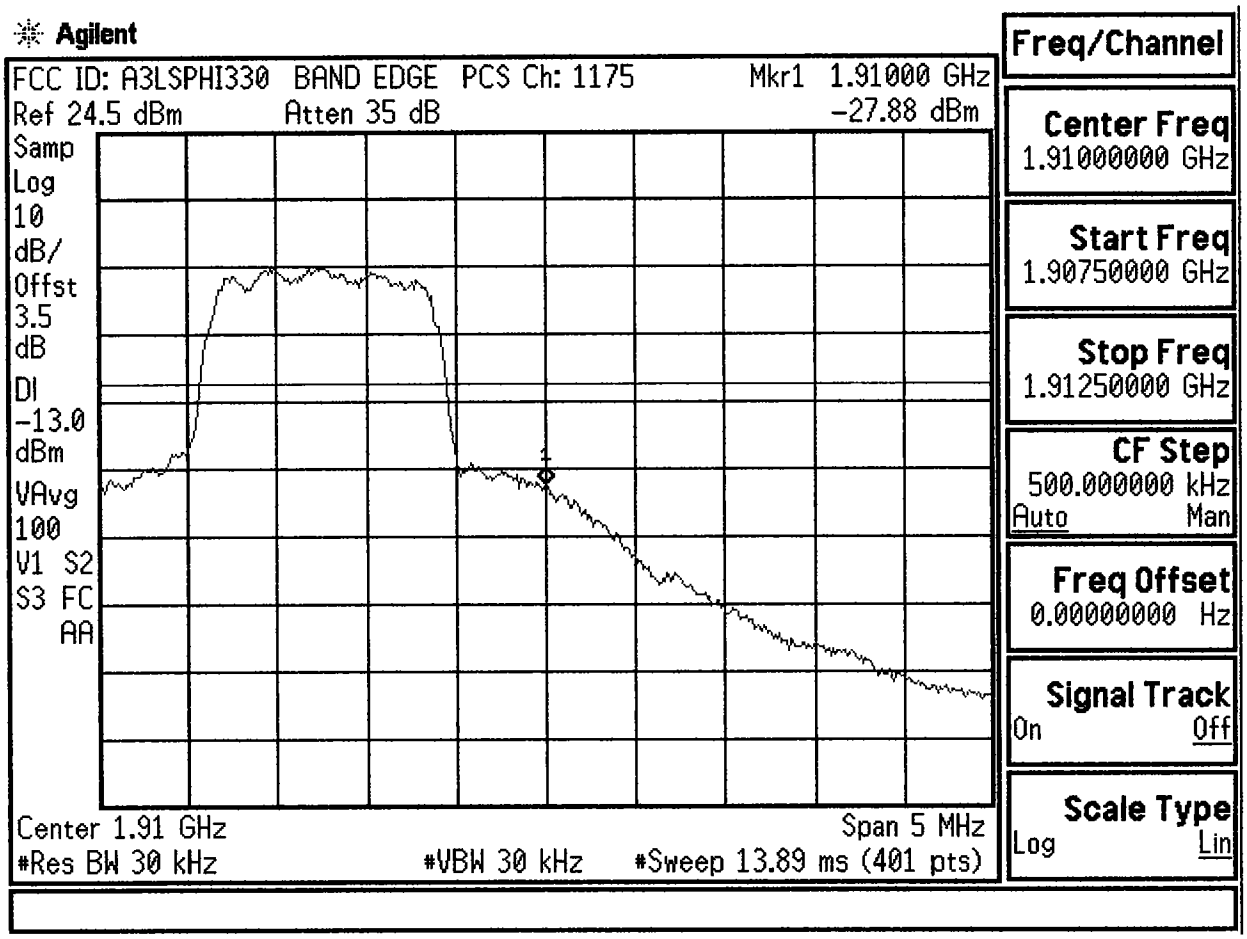

Agilent
FCC ID: A3LSPHI330 CON SPURS PCS Ch: 1175
Mkr1 13.70 GHz
Ref 24.5 dBm
Atten 35 dB
-32.11 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 20 GHz
#Res BW 1 MHz
VBW 1 MHz
#Sweep 175 ms (401 pts)
Freq/Channel
Center Freq
11.2500000 GHz
Start Freq
2.50000000 GHz
Stop Freq
20.0000000 GHz
CF Step
1.75000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Scale Type
Log
Lin

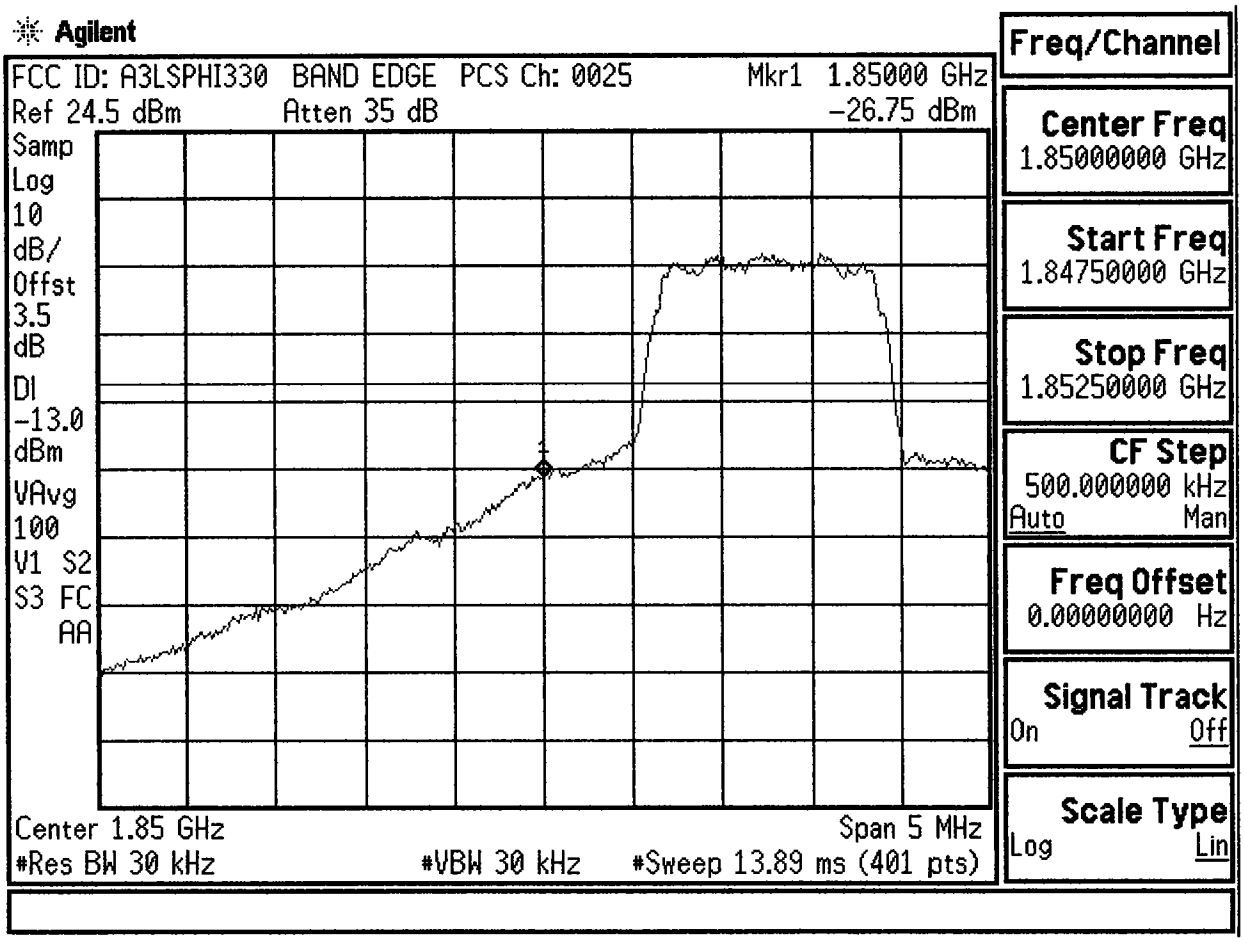

Agilent
FCC ID: A3LSPHI330 PWR OUT PCS Ch: 1175
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
VAvg
100
V1 S2
S3 FC
AA
Center 1.909 GHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.90900000 GHz
Start Freq
1.90400000 GHz
Stop Freq
1.91400000 GHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

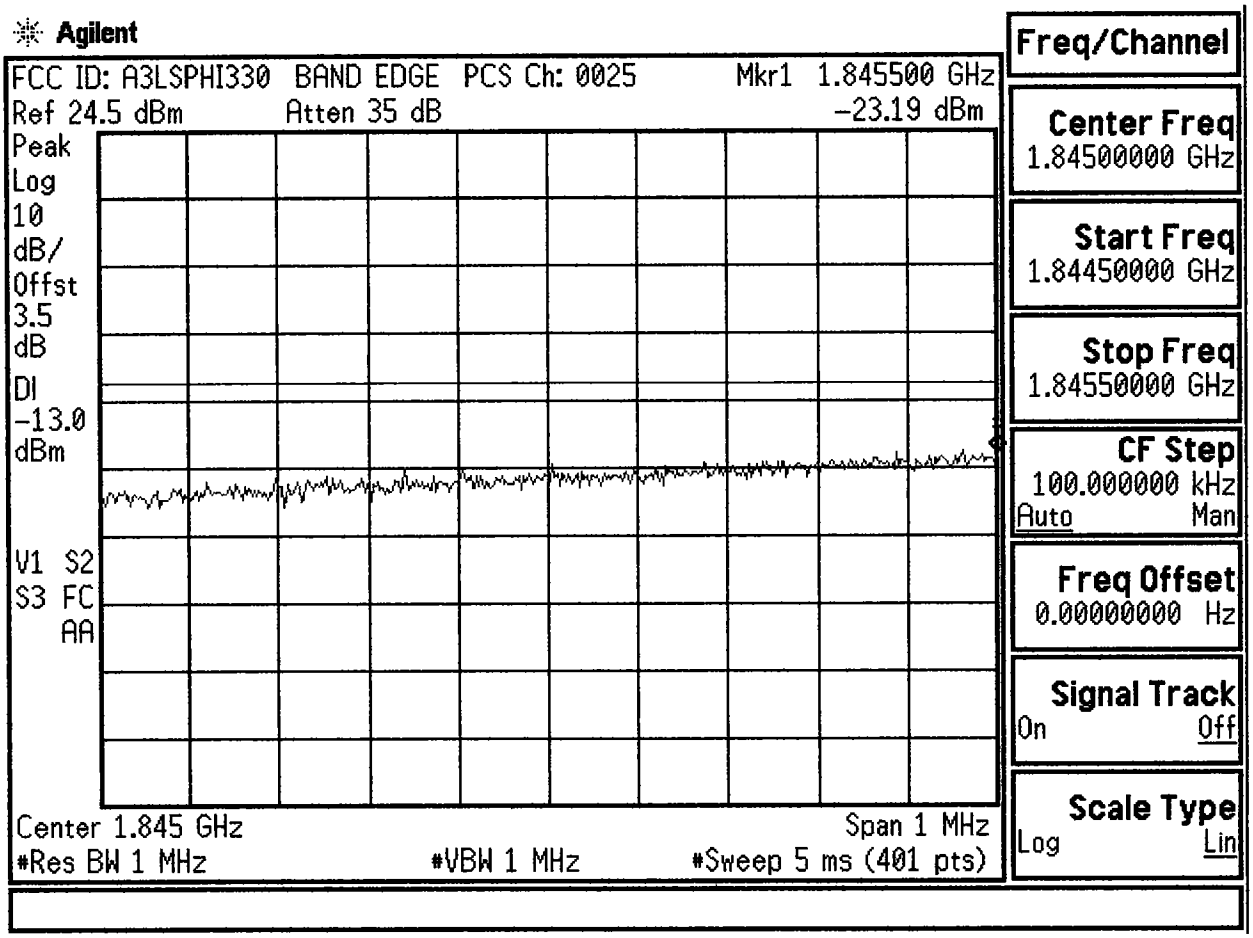

Agilent
FCC ID: A3LSPHI330 PWR OUT PCS Ch: 0600
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
VAvg
100
V1 S2
S3 FC
AA
Center 1.88 GHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.88000000 GHz
Start Freq
1.87500000 GHz
Stop Freq
1.88500000 GHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

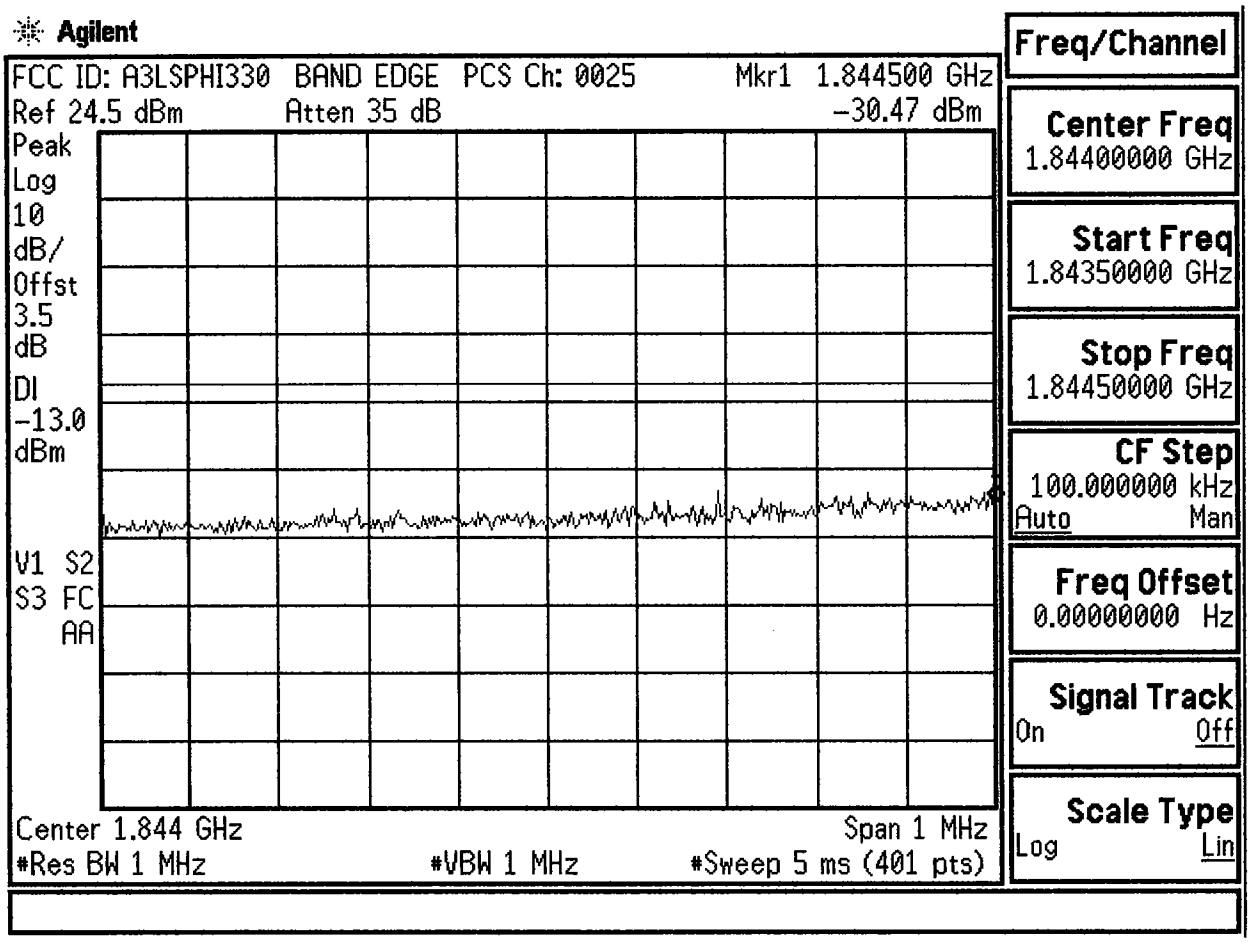

Agilent
FCC ID: A3LSPHI330 PWR OUT PCS Ch: 0025
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
VAvg
100
V1 S2
S3 FC
AA
Center 1.851 GHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.85100000 GHz
Start Freq
1.84600000 GHz
Stop Freq
1.85600000 GHz
CF Step
1.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

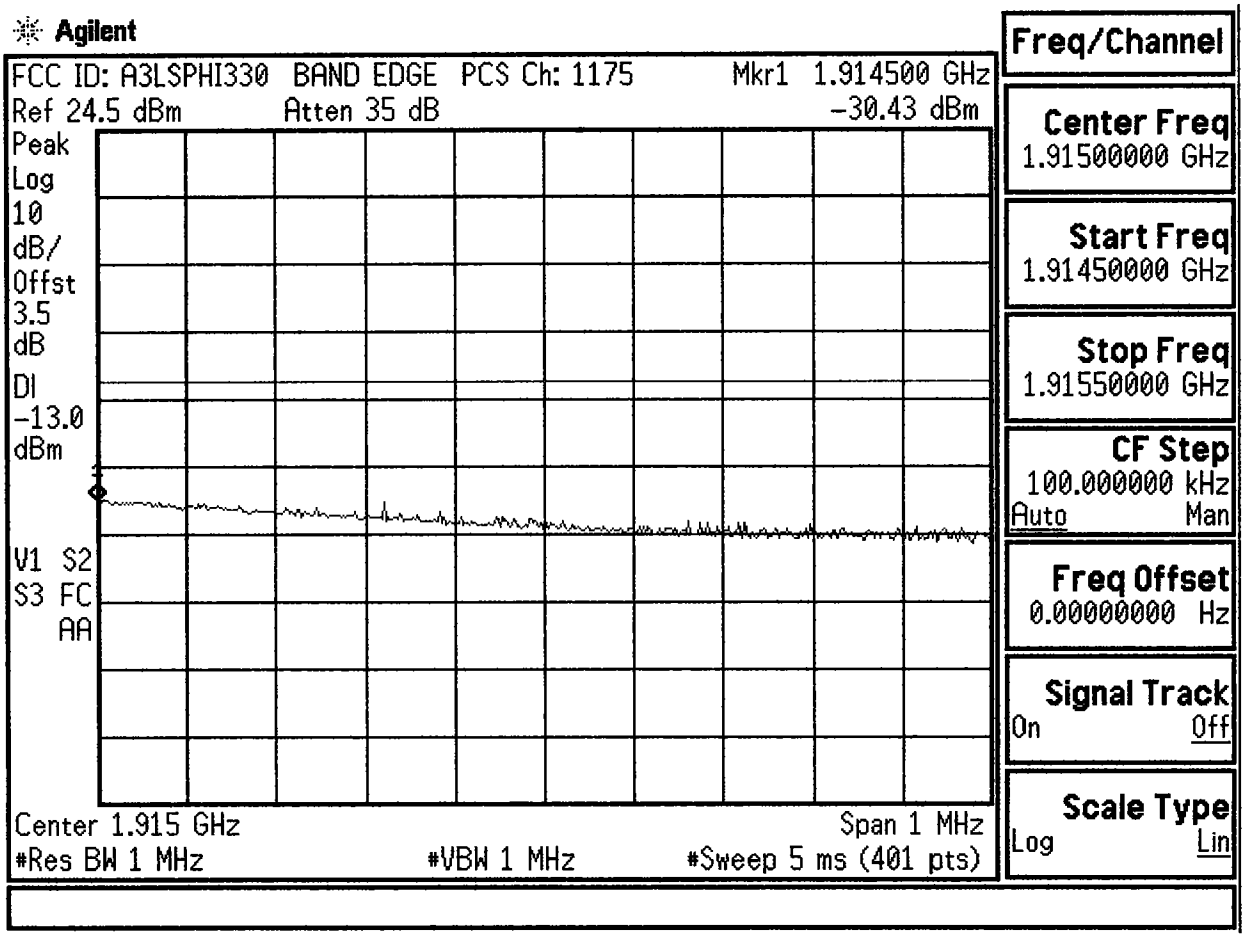

Agilent
Ch Freq 1.8512 GHz
Trig Free
Channel Power
FCC ID: A3LSPHI330 PWR OUT PCS Ch: 0025
Ref 24.5 dBm Atten 35 dB
#Avg
Log
10
dB/
Offst
3.5
dB
Center 1.851 GHz
Span 3 MHz
Res BW 30 kHz
VBW 300 kHz
Sweep 8 ms (401 pts)
Channel Power
24.53 dBm /2.0000 MHz
Power Spectral Density
-38.48 dBm/Hz
Freq/Channel
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

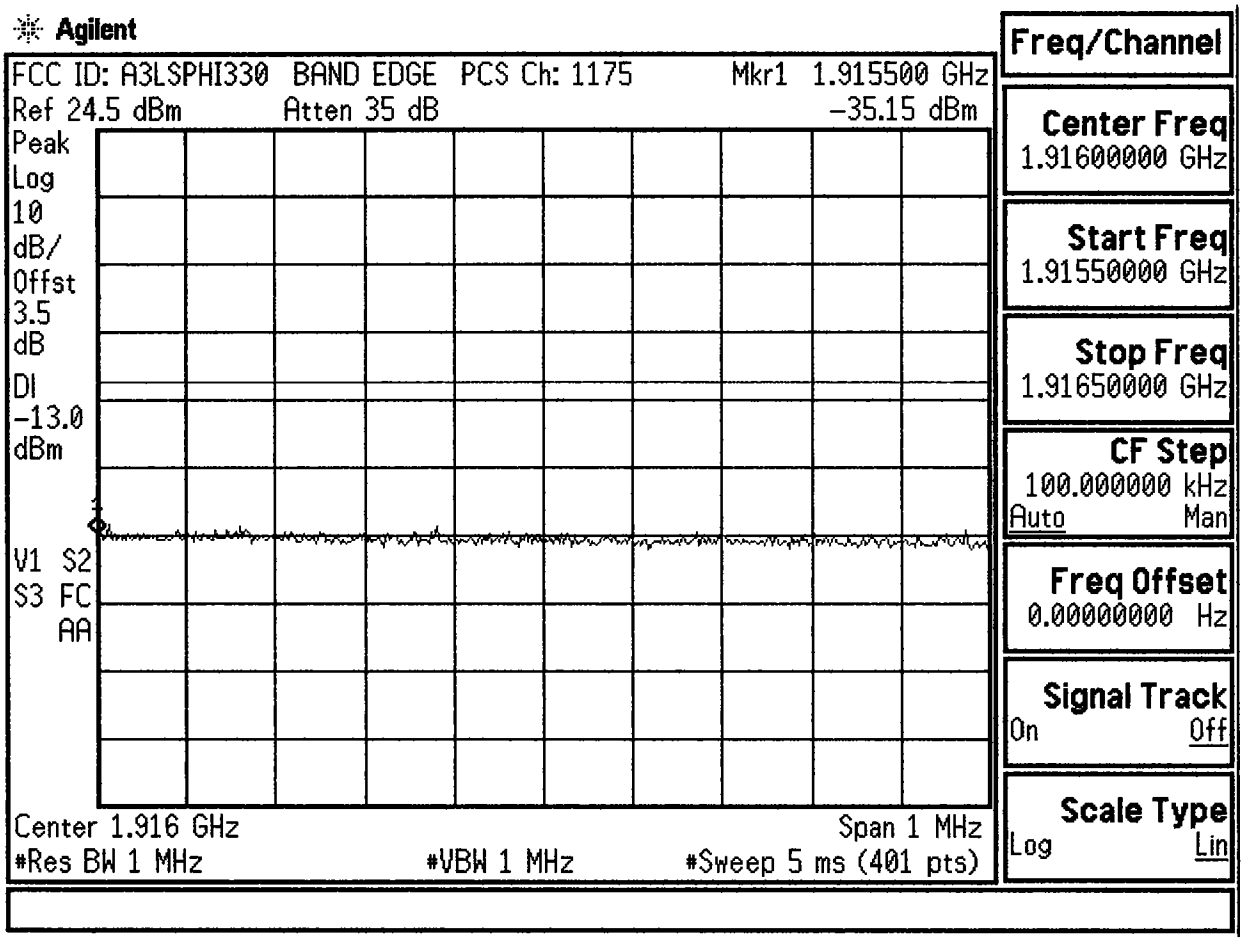

Agilent
FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 1175
Mkr1 1.91000 GHz
Ref 24.5 dBm
Atten 35 dB
-27.88 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.91 GHz
Span 5 MHz
#Res BW 30 kHz
#VBW 30 kHz
#Sweep 13.89 ms (401 pts)
Freq/Channel
Center Freq
1.91000000 GHz
Start Freq
1.90750000 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

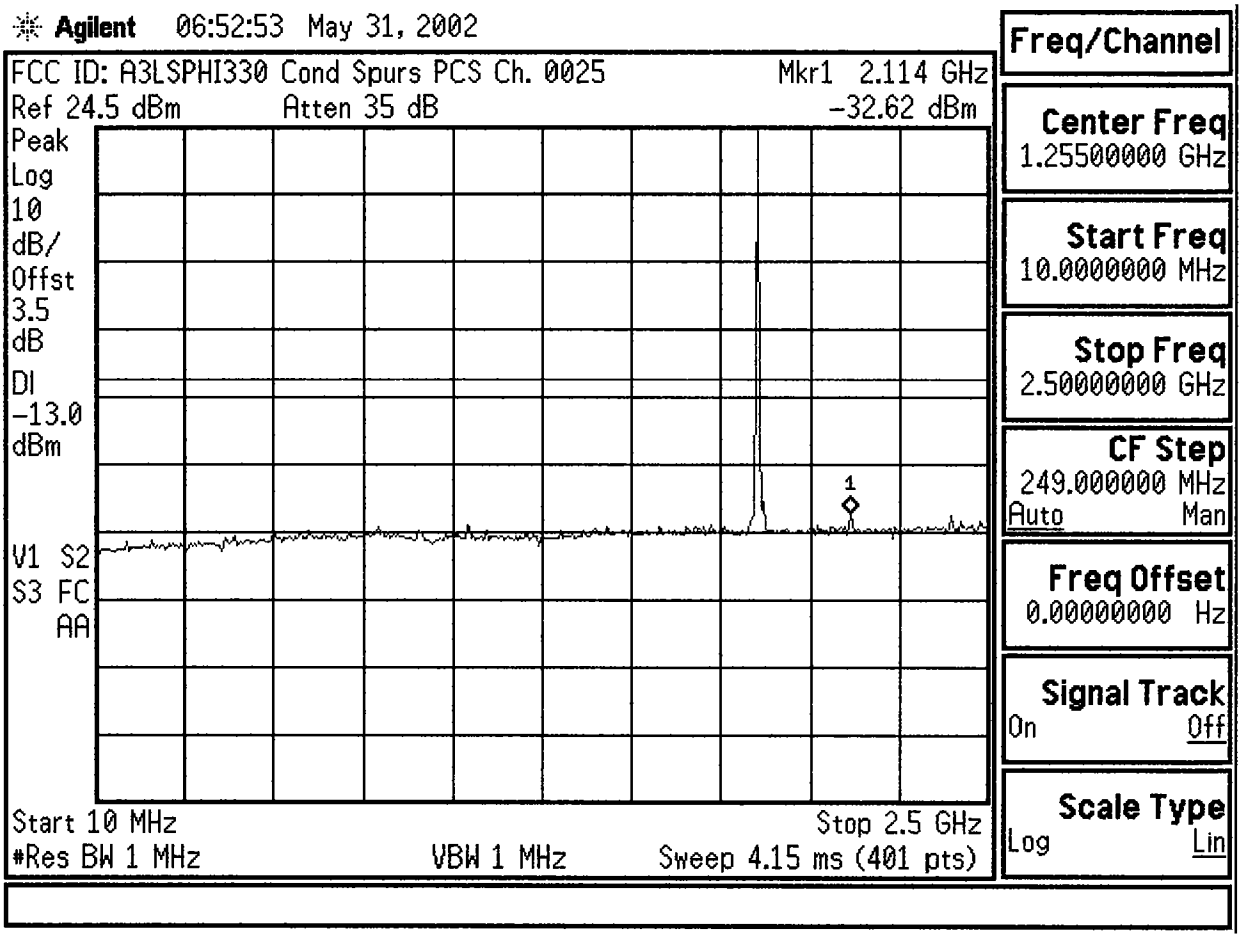

Agilent
FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 0025
Mkr1 1.85000 GHz
Ref 24.5 dBm
Atten 35 dB
-26.75 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.85 GHz
Span 5 MHz
#Res BW 30 kHz
#VBW 30 kHz
#Sweep 13.89 ms (401 pts)
Freq/Channel
Center Freq
1.85000000 GHz
Start Freq
1.84750000 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

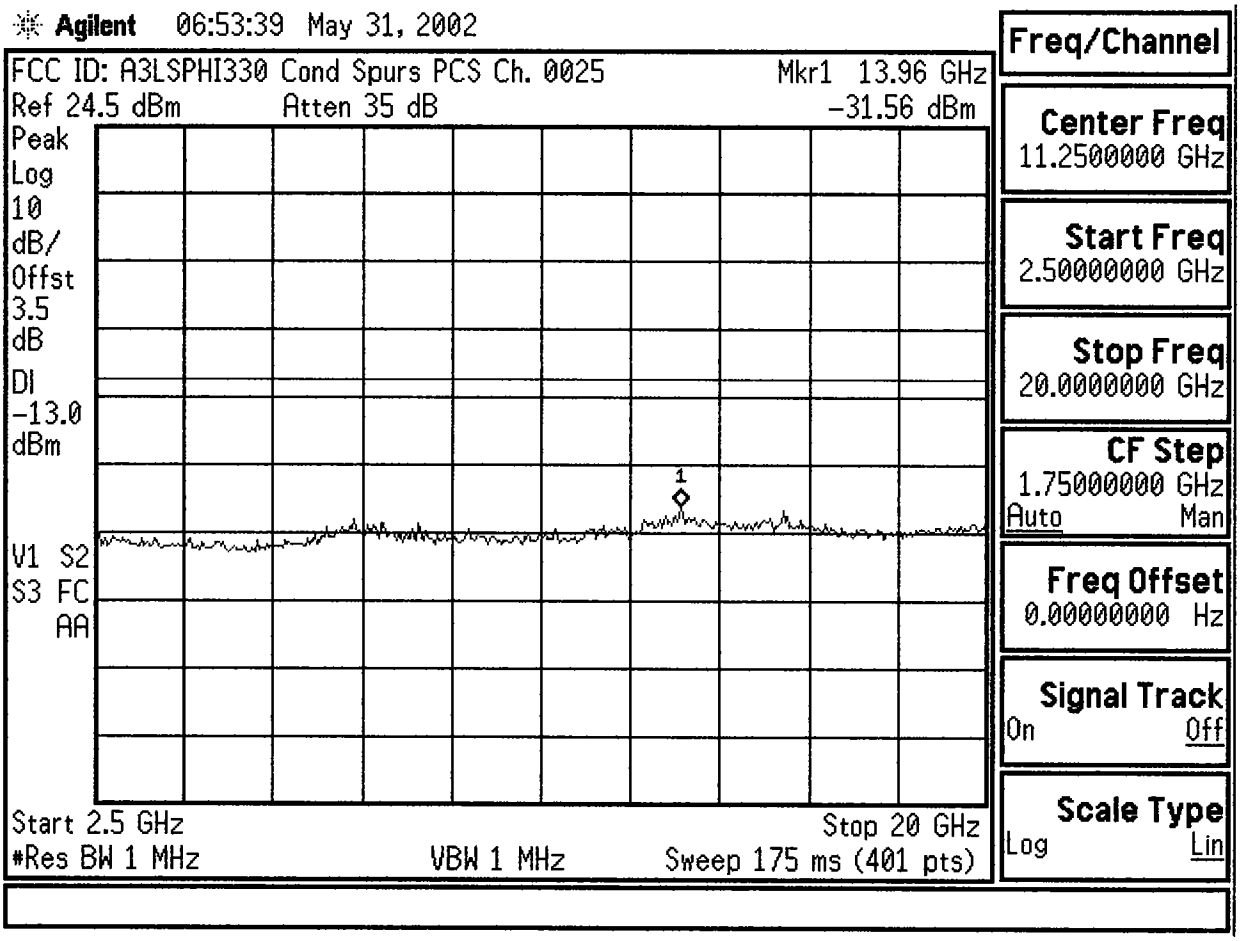

Agilent
FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 0025
Mkr1 1.845500 GHz
Ref 24.5 dBm
Atten 35 dB
-23.19 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 1.845 GHz
Span 1 MHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.84500000 GHz
Start Freq
1.84450000 GHz
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

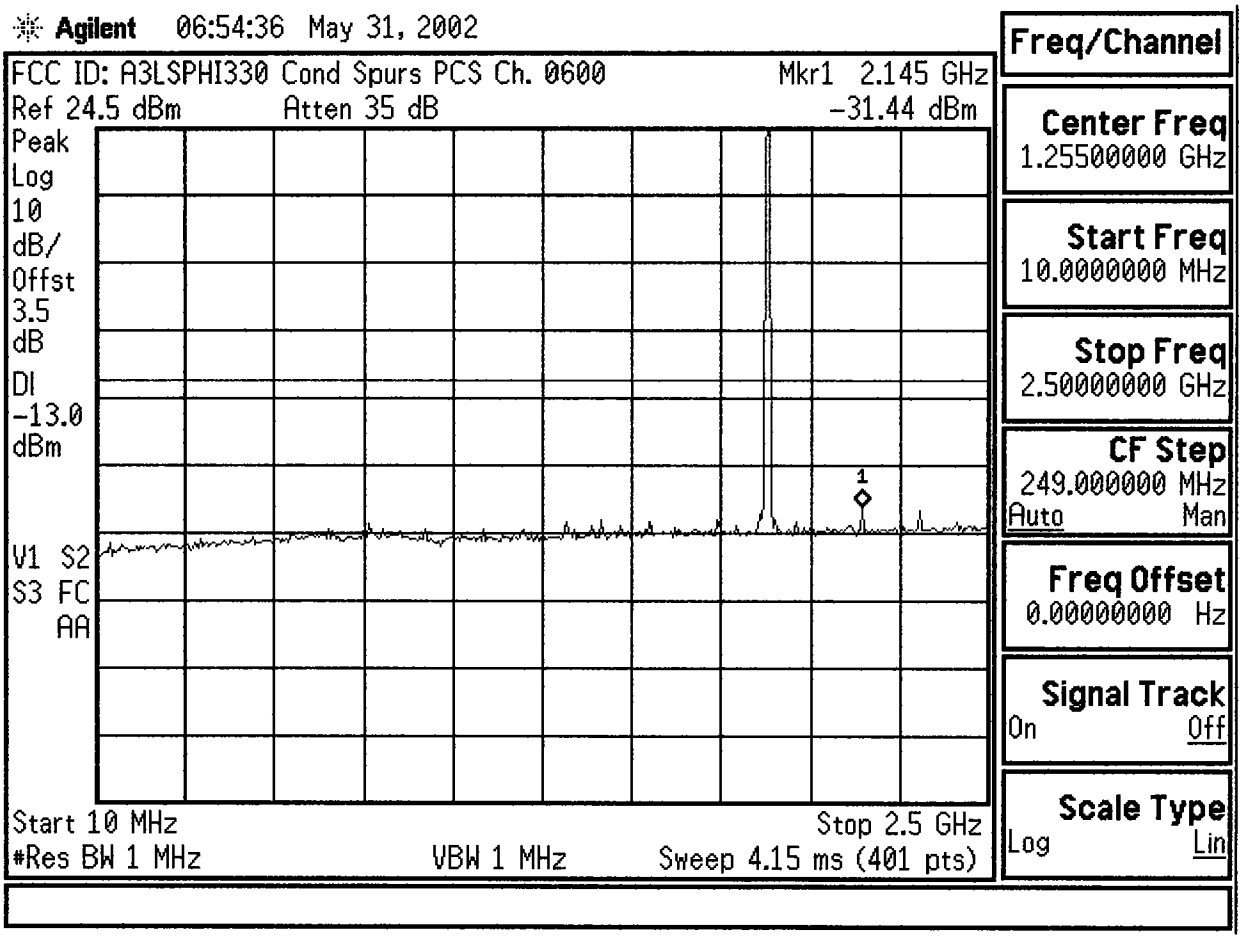

Agilent
FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 0025
Mkr1 1.844500 GHz
Ref 24.5 dBm
Atten 35 dB
-30.47 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 1.844 GHz
Span 1 MHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.84400000 GHz
Start Freq
1.84350000 GHz
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

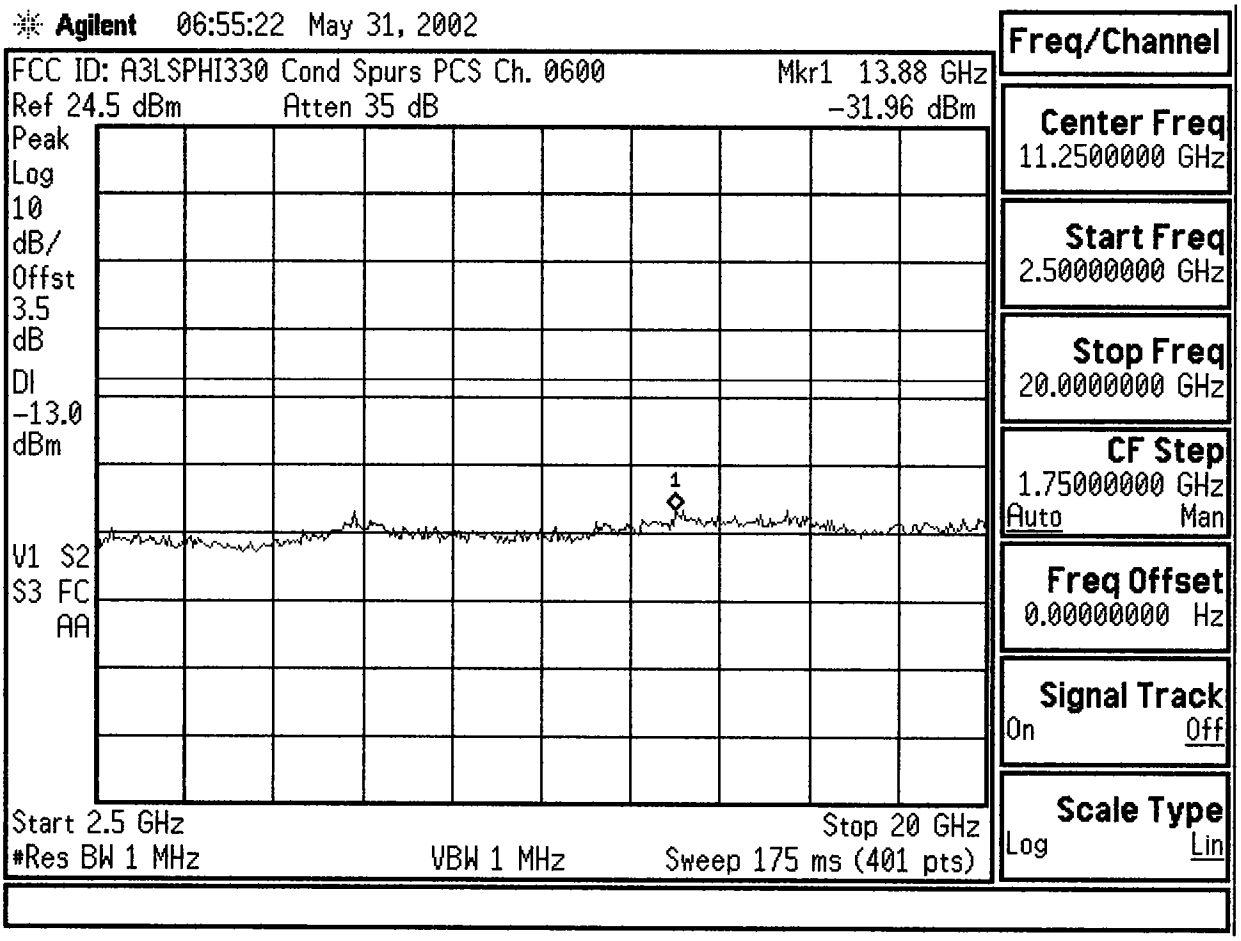

Agilent
FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 1175
Mkr1 1.914500 GHz
Ref 24.5 dBm
Atten 35 dB
-30.43 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 1.915 GHz
Span 1 MHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.91500000 GHz
Start Freq
1.91450000 GHz
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

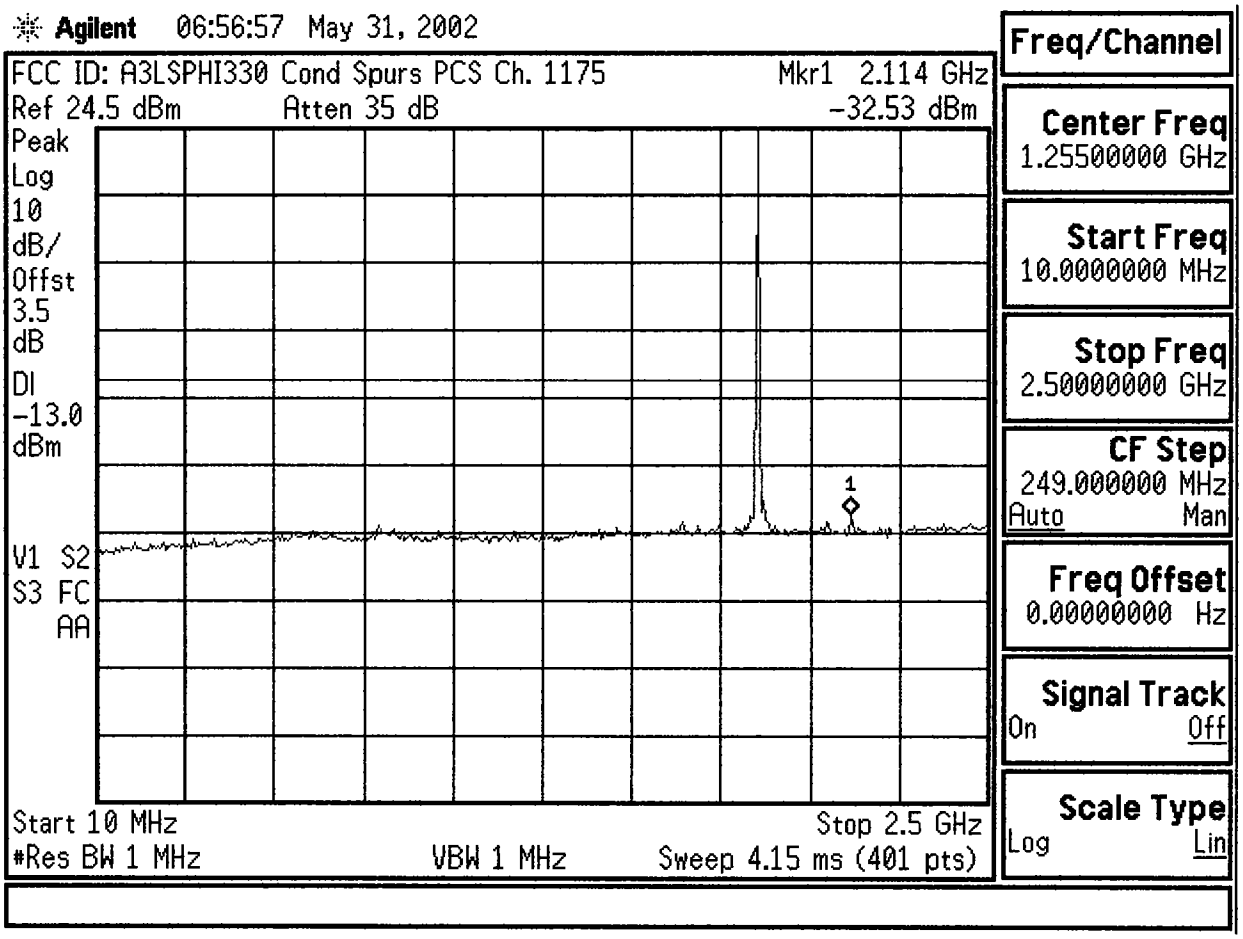

Agilent
FCC ID: A3LSPHI330 BAND EDGE PCS Ch: 1175
Mkr1 1.915500 GHz
Ref 24.5 dBm
Atten 35 dB
-35.15 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
Center 1.916 GHz
Span 1 MHz
#Res BW 1 MHz
#VBW 1 MHz
#Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.91600000 GHz
Start Freq
1.91550000 GHz
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

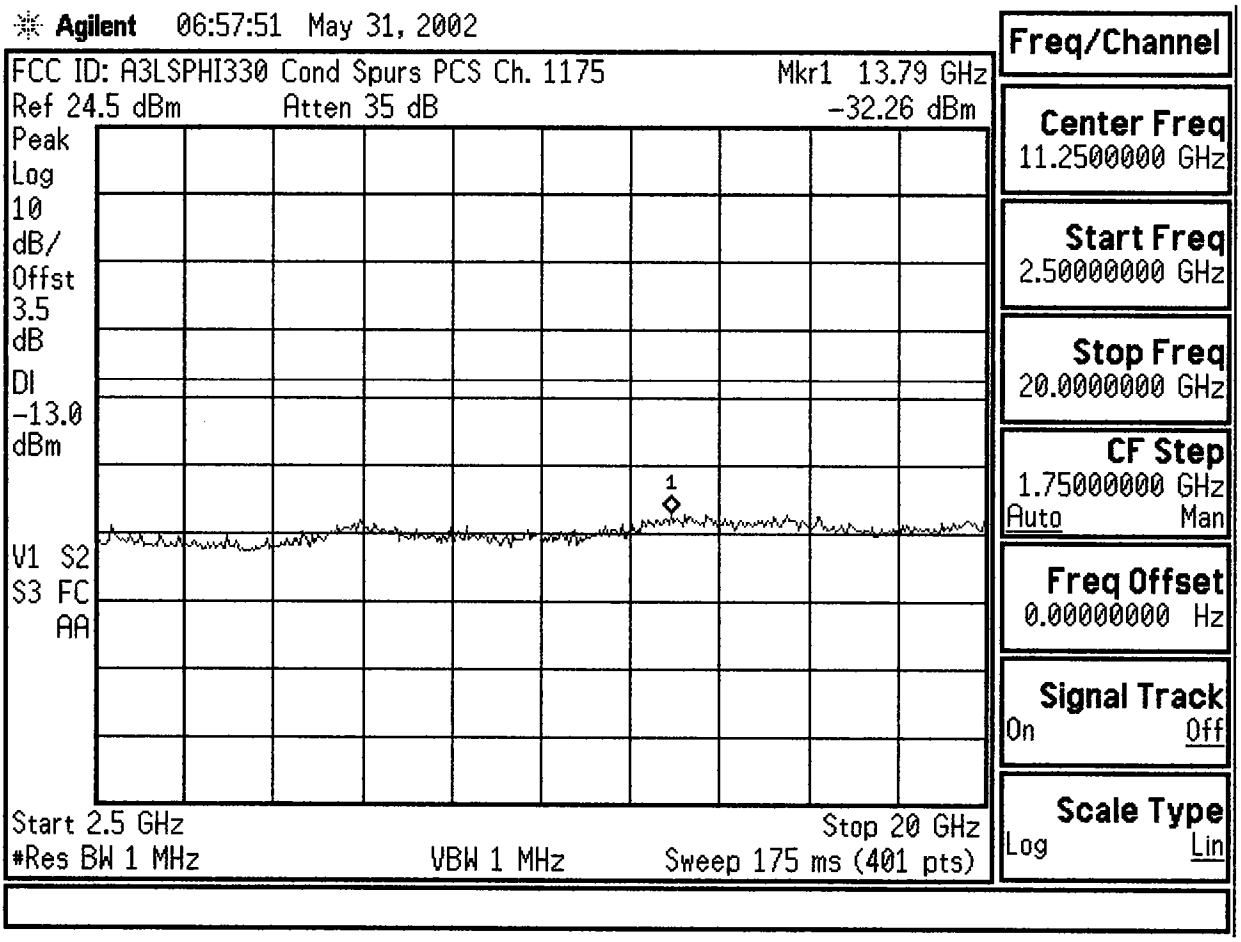

Agilent 06:52:53 May 31, 2002
FCC ID: A3LSPHI330 Cond Spurs PCS Ch. 0025
Mkr1 2.114 GHz
Ref 24.5 dBm
Atten 35 dB
-32.62 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start 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
Scale Type
Log
Lin

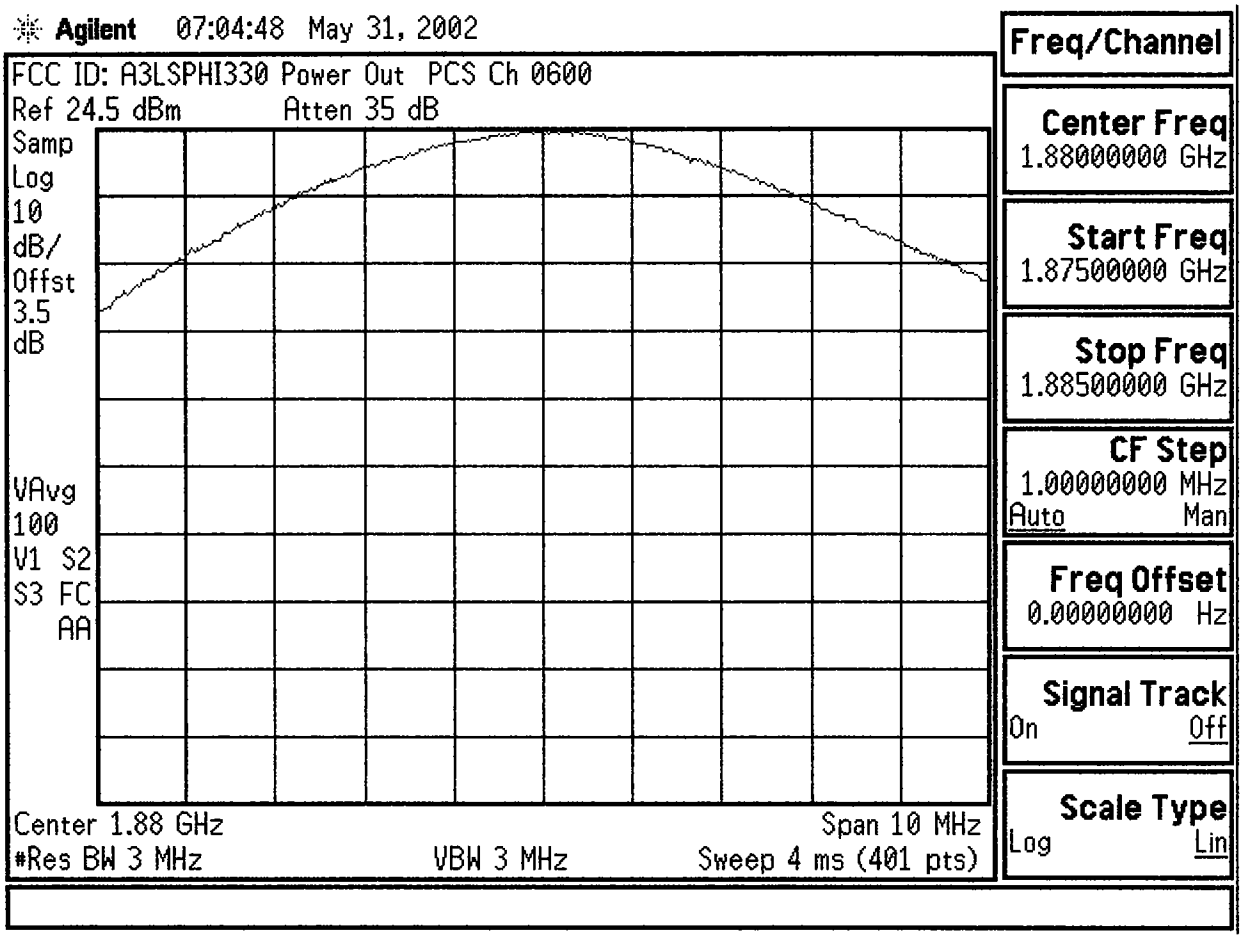

Agilent 06:53:39 May 31, 2002
FCC ID: A3LSPHI330 Cond Spurs PCS Ch. 0025
Mkr1 13.96 GHz
Ref 24.5 dBm
Atten 35 dB
-31.56 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 20 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 175 ms (401 pts)
Freq/Channel
Center Freq
11.2500000 GHz
Start 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

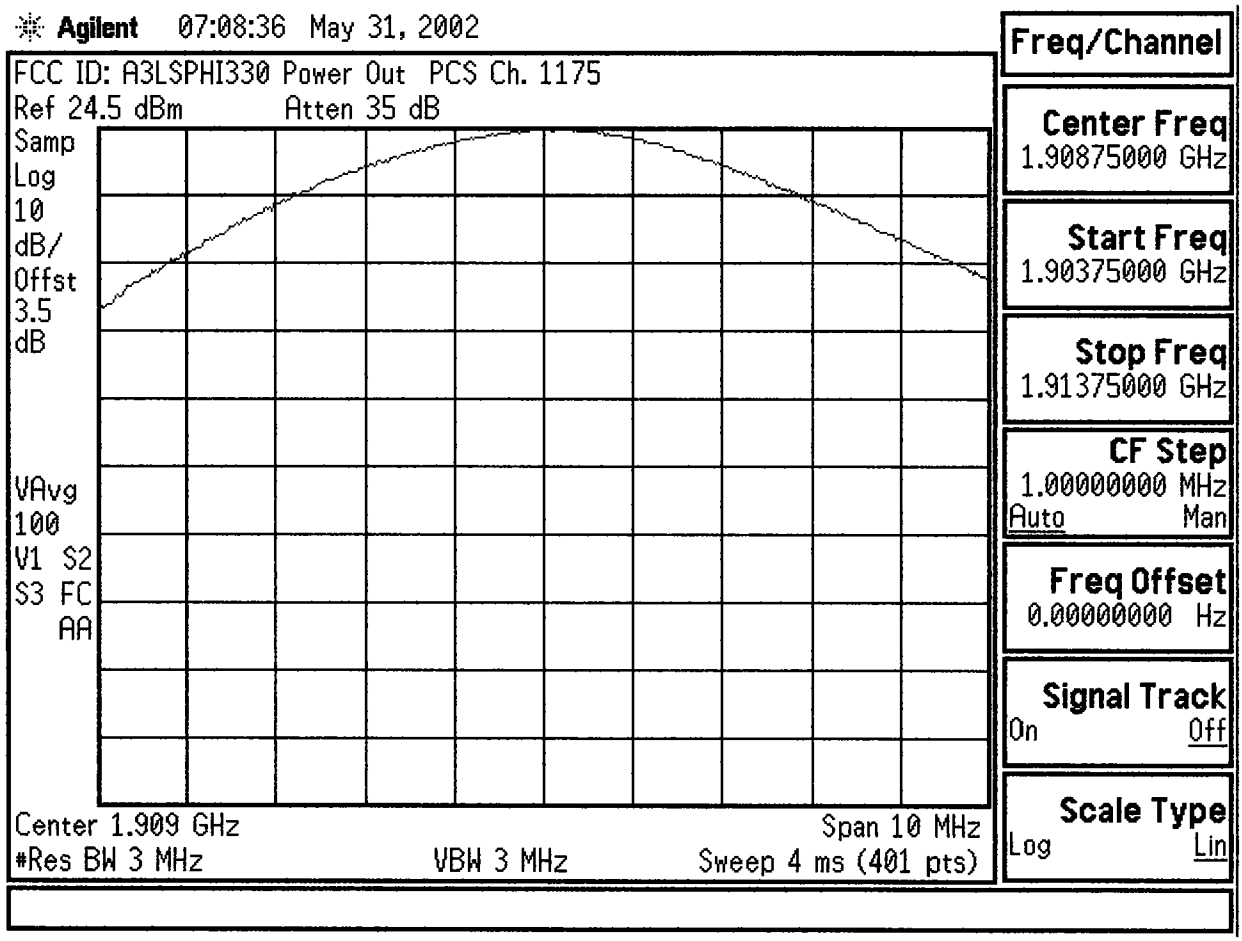

Agilent 06:54:36 May 31, 2002
FCC ID: A3LSPHI330 Cond Spurs PCS Ch. 0600
Mkr1 2.145 GHz
Ref 24.5 dBm
Atten 35 dB
-31.44 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start 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
Scale Type
Log
Lin

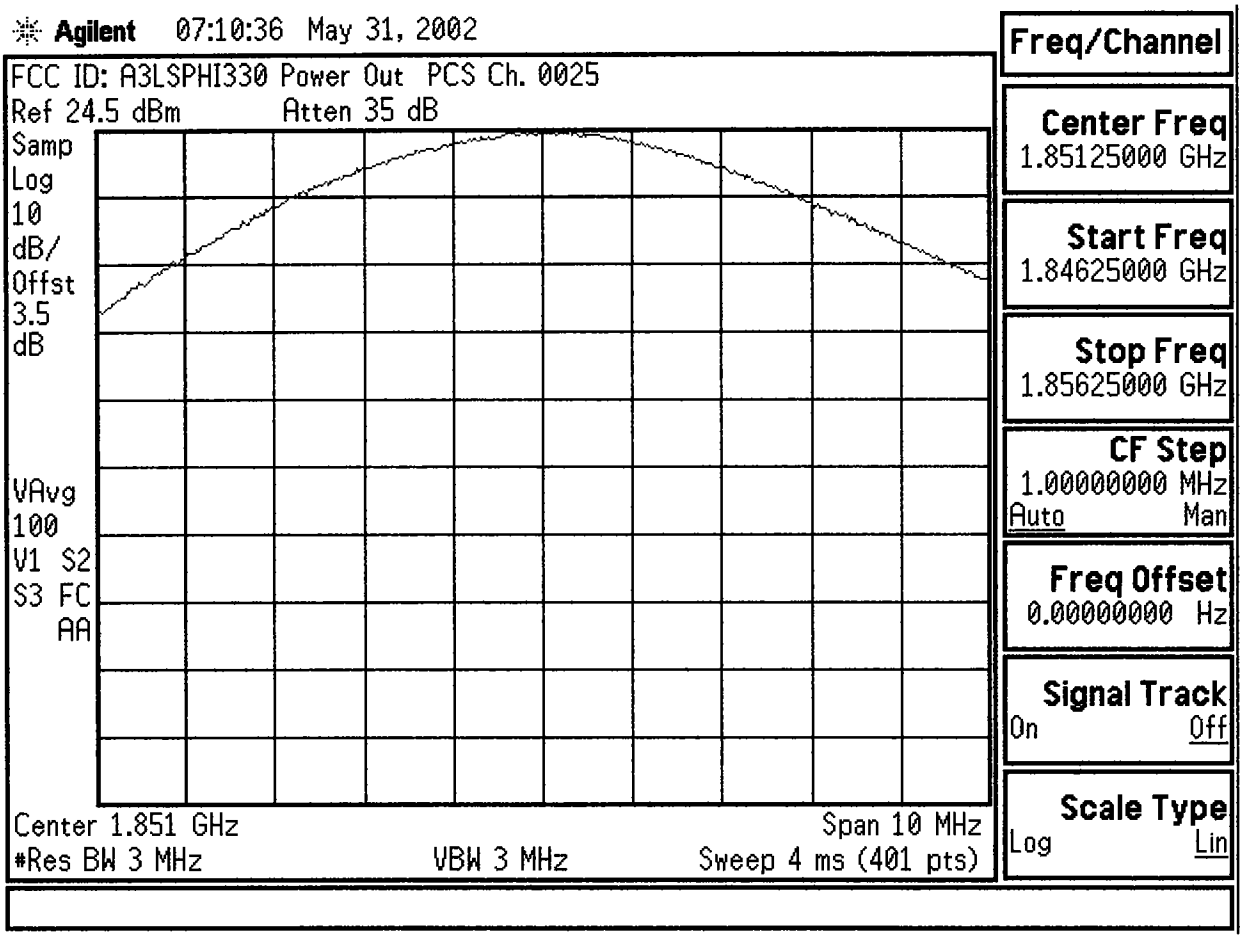

Agilent 06:55:22 May 31, 2002
FCC ID: A3LSPHI330 Cond Spurs PCS Ch. 0600
Mkr1 13.88 GHz
Ref 24.5 dBm
Atten 35 dB
-31.96 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
1
V1 S2
S3 FC
AA
Start 2.5 GHz
Stop 20 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 175 ms (401 pts)
Freq/Channel
Center Freq
11.2500000 GHz
Start 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

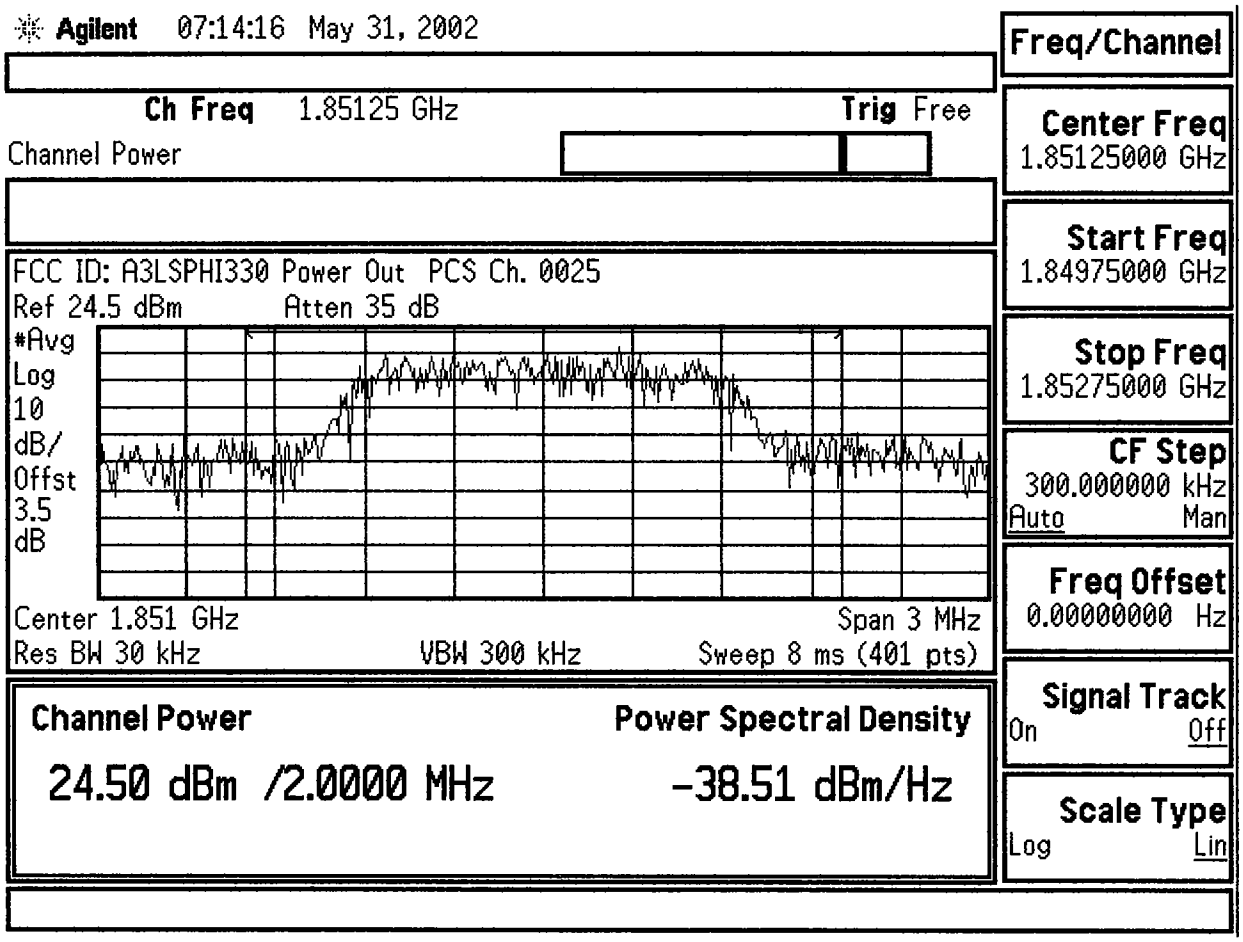

Agilent 06:56:57 May 31, 2002
FCC ID: A3LSPHI330 Cond Spurs PCS Ch. 1175
Mkr1 2.114 GHz
Ref 24.5 dBm
Atten 35 dB
-32.53 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
1
Start 10 MHz
Stop 2.5 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 4.15 ms (401 pts)
Freq/Channel
Center Freq
1.25500000 GHz
Start 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
Scale Type
Log Lin


Agilent 06:57:51 May 31, 2002
FCC ID: A3LSPHI330 Cond Spurs PCS Ch. 1175
Mkr1 13.79 GHz
Ref 24.5 dBm
Atten 35 dB
-32.26 dBm
Peak
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
V1 S2
S3 FC
AA
1
Start 2.5 GHz
Stop 20 GHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 175 ms (401 pts)
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 07:04:48 May 31, 2002
FCC ID: A3LSPHI330 Power Out PCS Ch 0600
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
VAvg
100
V1 S2
S3 FC
AA
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 07:08:36 May 31, 2002
FCC ID: A3LSPHI330 Power Out PCS Ch. 1175
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
VAvg
100
V1 S2
S3 FC
AA
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 07:10:36 May 31, 2002
FCC ID: A3LSPHI330 Power Out PCS Ch. 0025
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
VAvg
100
V1 S2
S3 FC
AA
Center 1.851 GHz
Span 10 MHz
#Res BW 3 MHz
VBW 3 MHz
Sweep 4 ms (401 pts)
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 07:14:16 May 31, 2002
Ch Freq 1.85125 GHz
Trig Free
Channel Power
FCC ID: A3LSPHI330 Power Out PCS Ch. 0025
Ref 24.5 dBm Atten 35 dB
#Avg
Log
10
dB/
Offst
3.5
dB
Center 1.851 GHz
Span 3 MHz
Res BW 30 kHz
VBW 300 kHz
Sweep 8 ms (401 pts)
Channel Power
24.50 dBm /2.0000 MHz
Power Spectral Density
-38.51 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 07:17:52 May 31, 2002

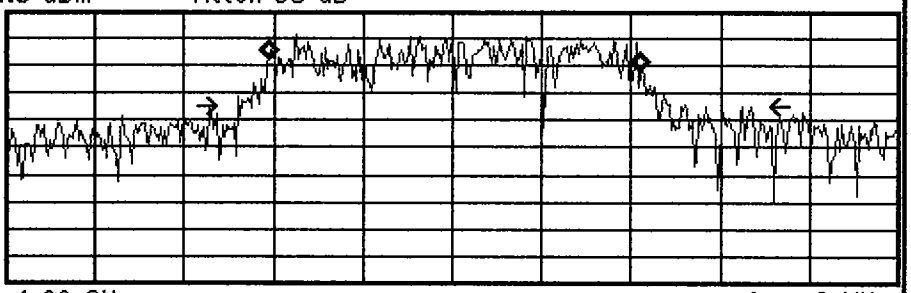
Ch Freq 1.88 GHz **Trig** Free

Occupied Bandwidth

FCC ID: A3LSPHI330 Power Out PCS Ch. 0600

Ref 24.5 dBm Atten 35 dB

#Samp
Log
10
dB/
Offst
3.5
dB



Center 1.88 GHz Span 3 MHz

#Res BW 30 kHz #VBW 300 kHz Sweep 5.288 ms (401 pts)

Occupied Bandwidth
1.2511 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 7.708 kHz
x dB Bandwidth 1.722 MHz*

Freq/Channel

Center Freq
1.88000000 GHz

Start Freq
1.87850000 GHz

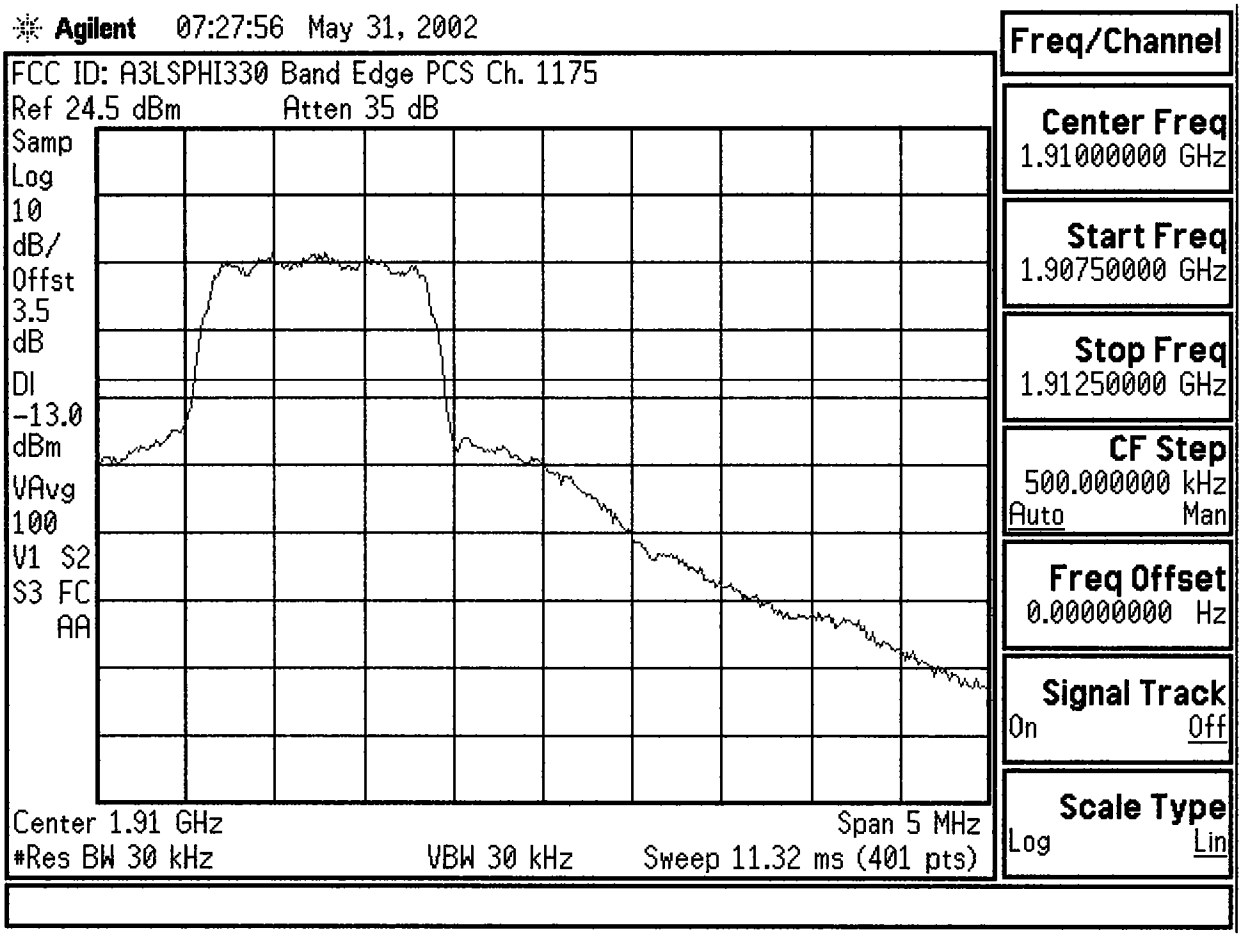
Stop Freq
1.88150000 GHz

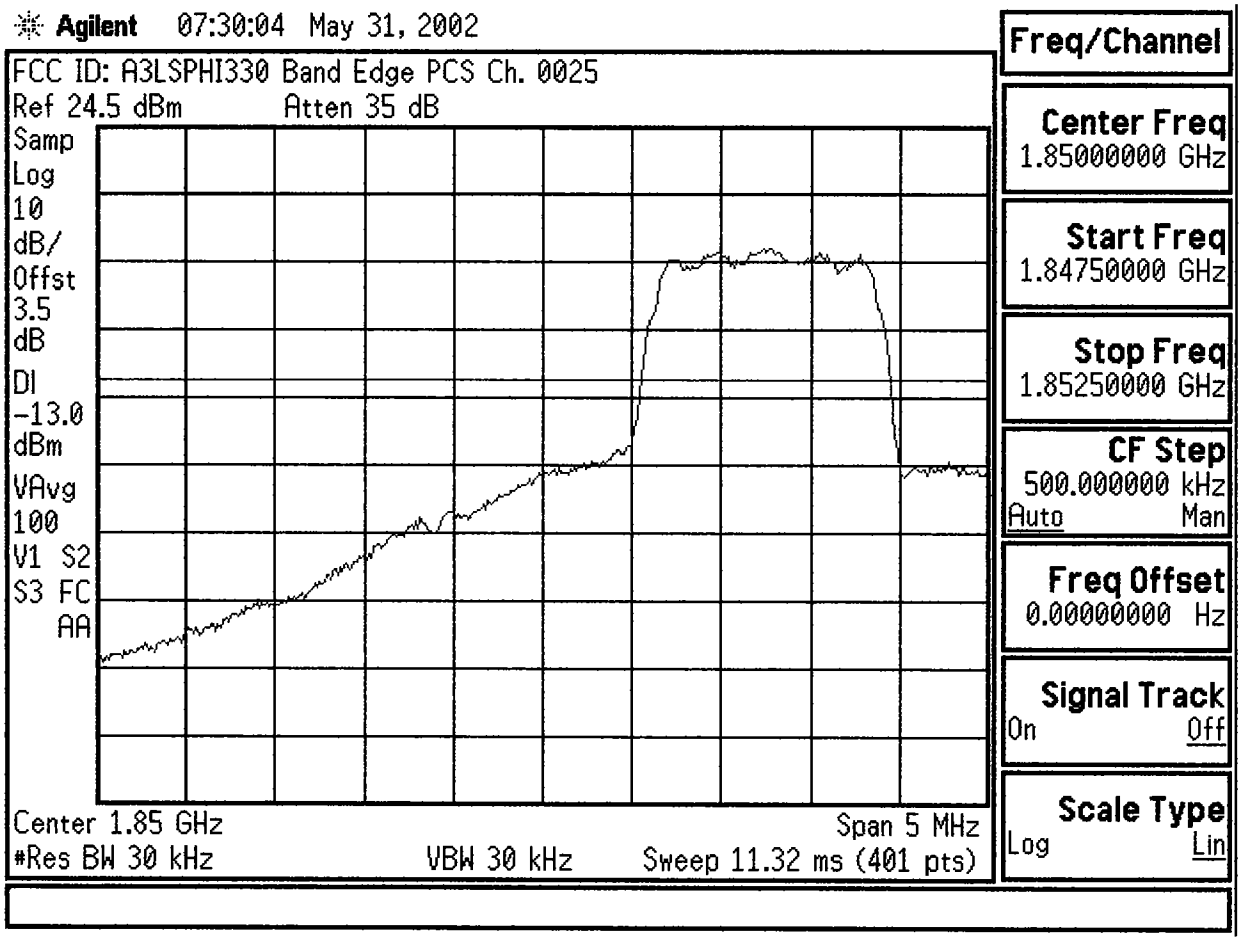
CF Step
300.000000 kHz
Auto Man

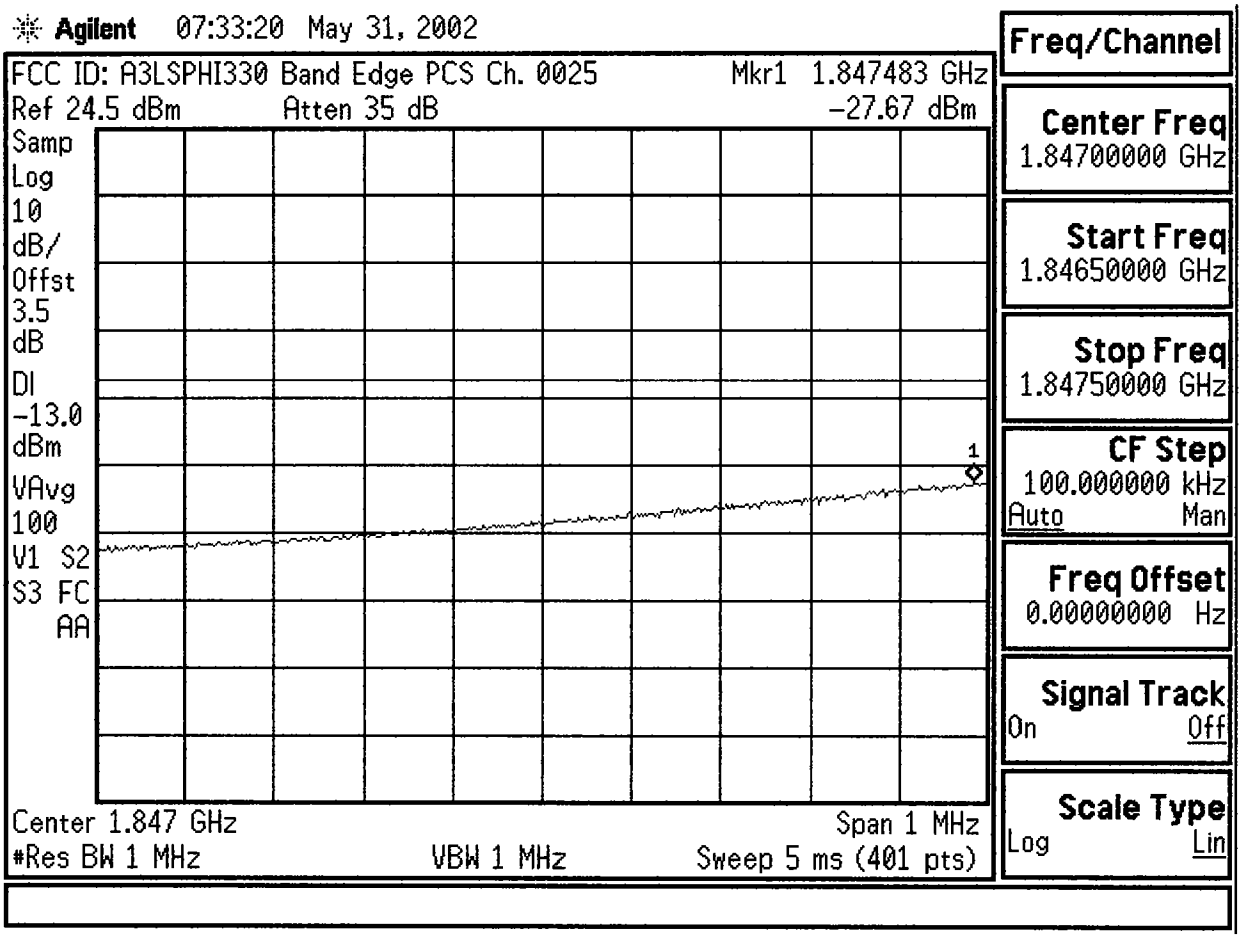
Freq Offset
0.00000000 Hz

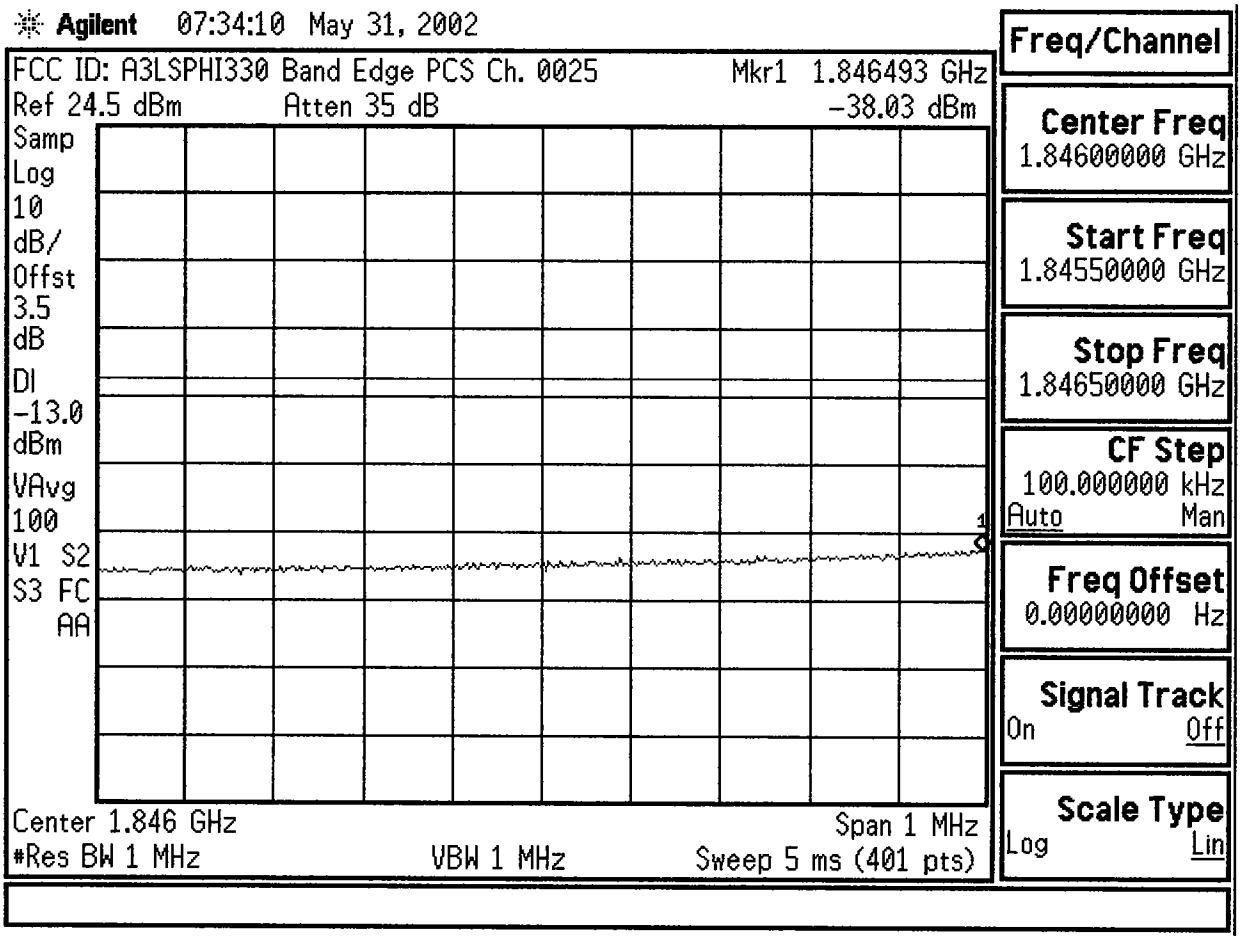
Signal Track
On Off

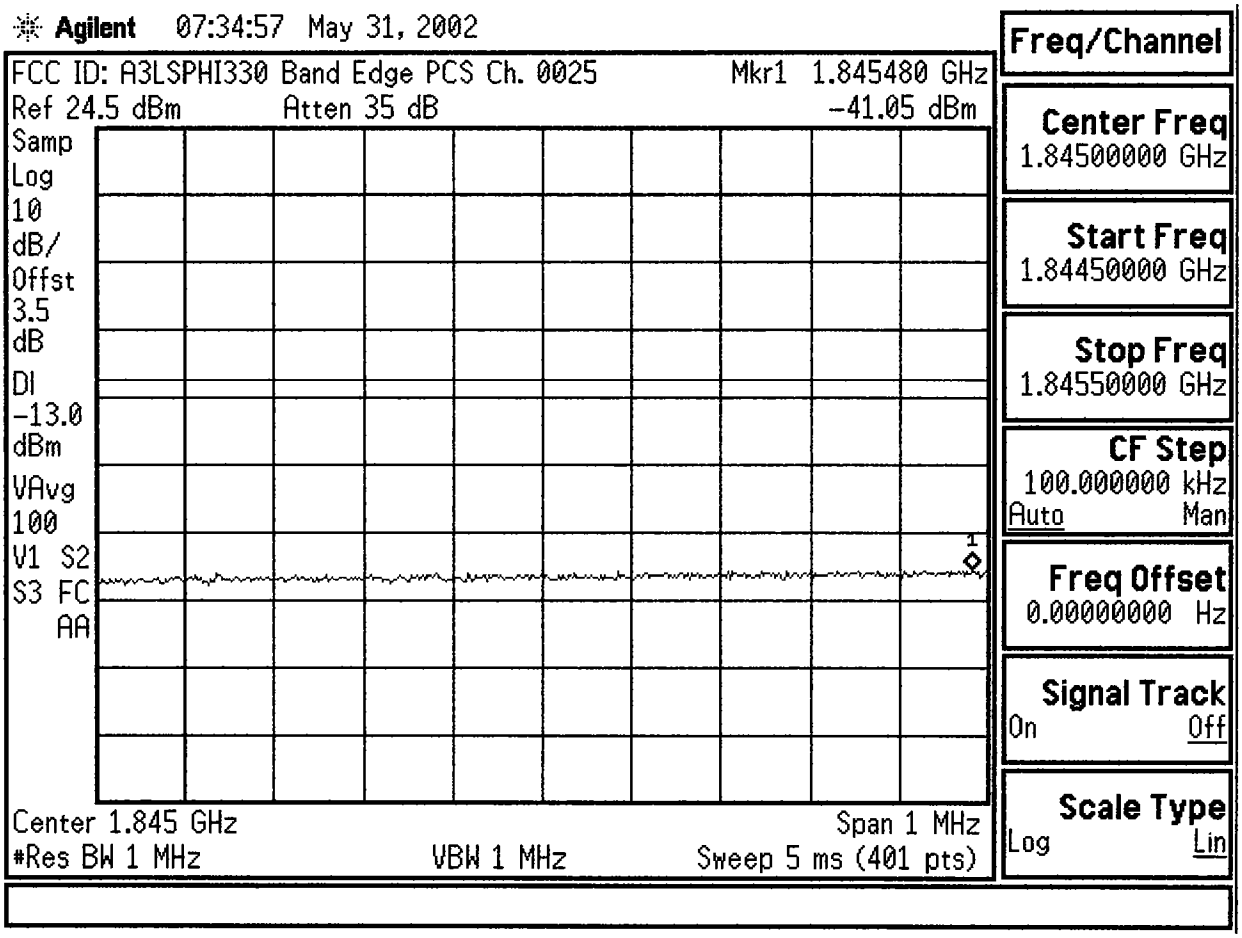
Scale Type
Log Lin

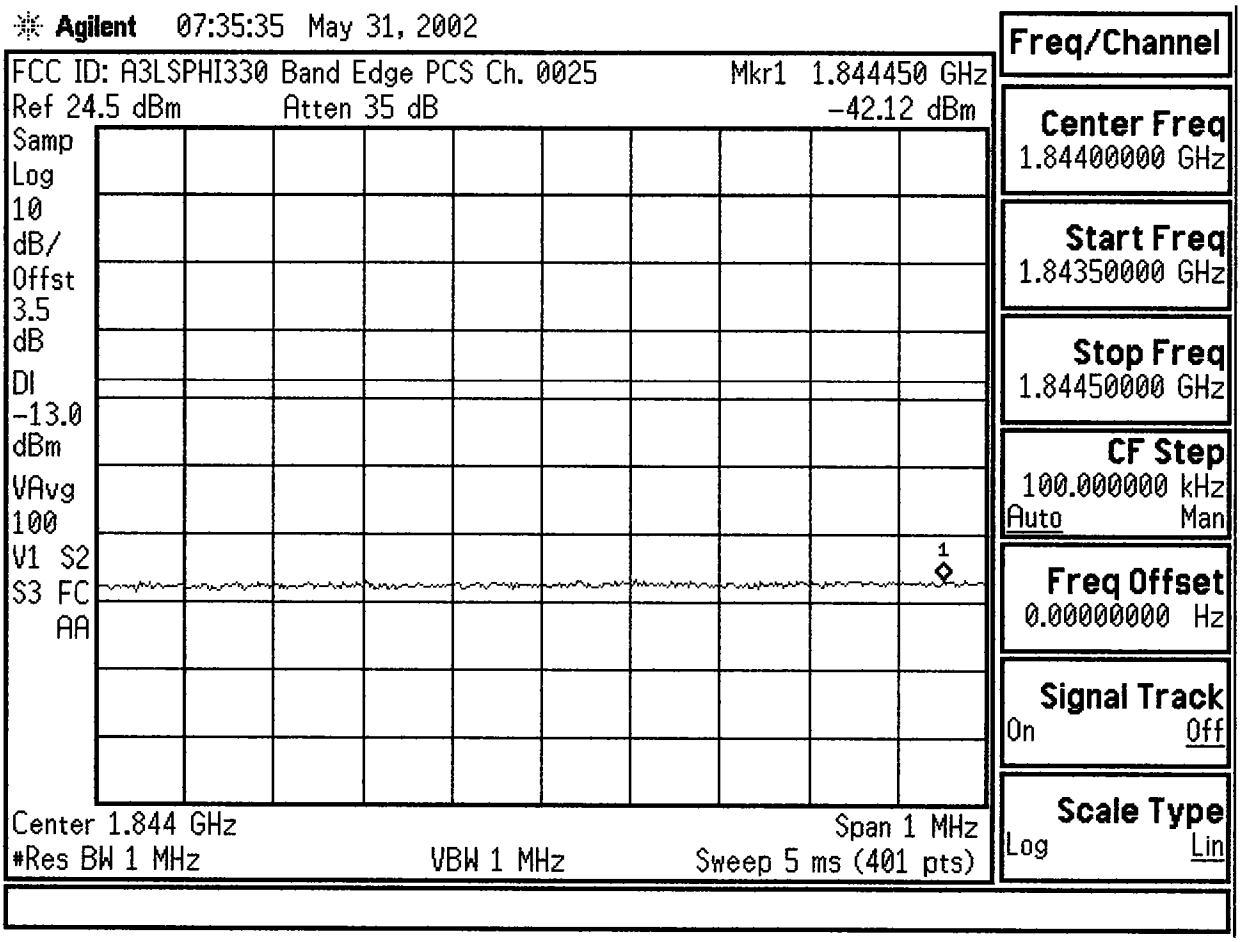

Agilent 07:27:56 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 1175
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.91 GHz
Span 5 MHz
#Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Freq/Channel
Center Freq
1.91000000 GHz
Start Freq
1.90750000 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

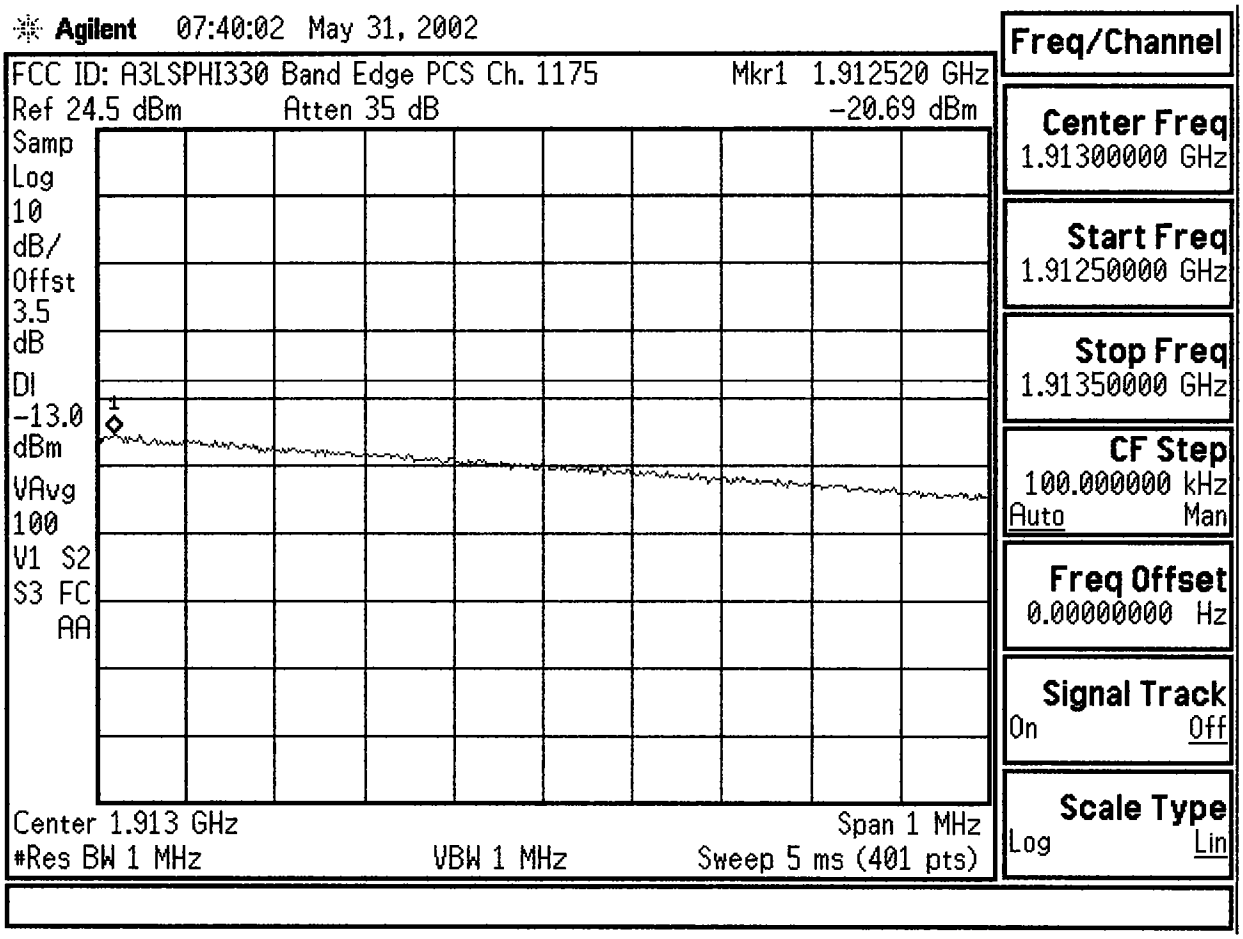

Agilent 07:30:04 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 0025
Ref 24.5 dBm Atten 35 dB
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.85 GHz
Span 5 MHz
#Res BW 30 kHz
VBW 30 kHz
Sweep 11.32 ms (401 pts)
Freq/Channel
Center Freq
1.85000000 GHz
Start Freq
1.84750000 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

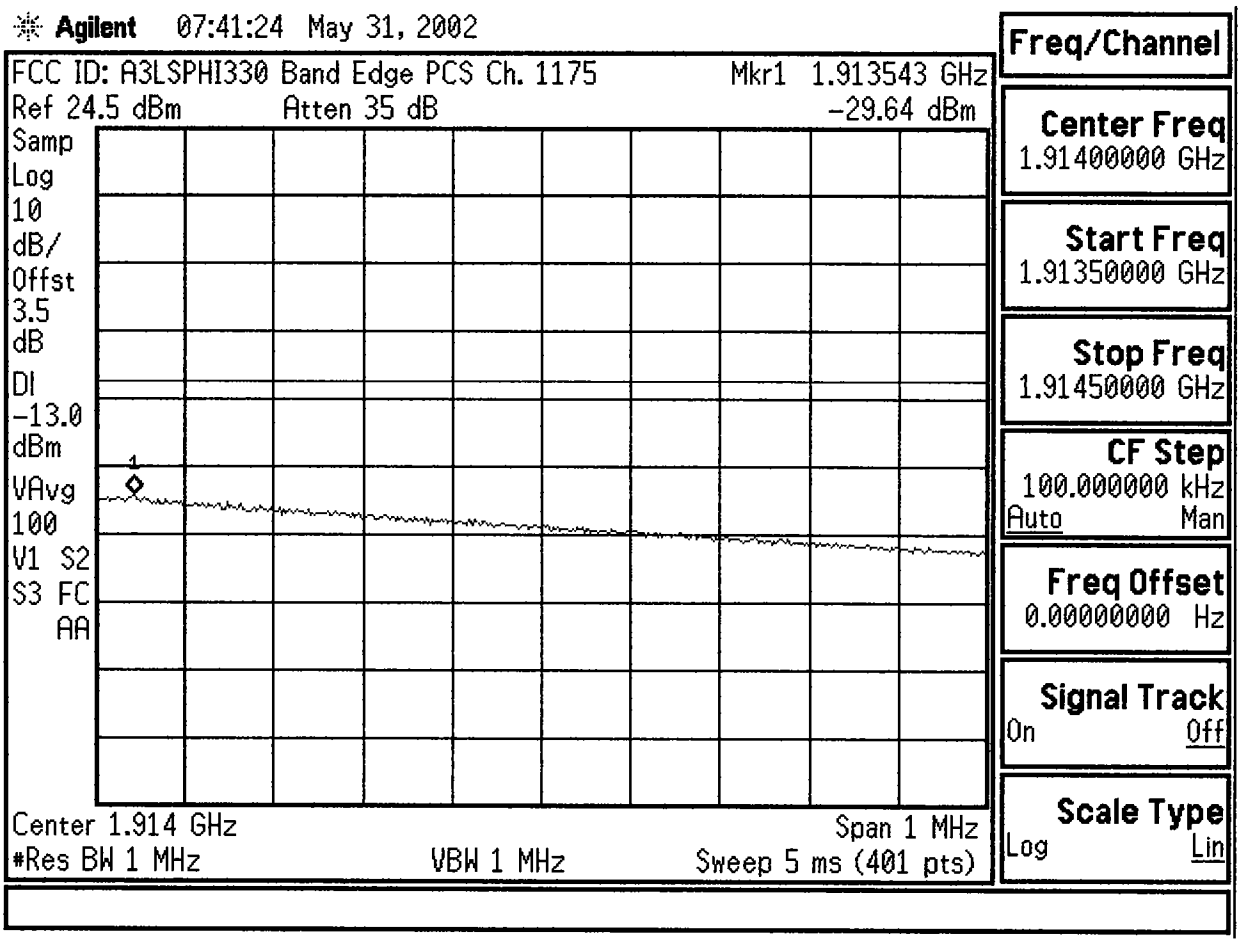

Agilent 07:33:20 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 0025
Mkr1 1.847483 GHz
Ref 24.5 dBm
Atten 35 dB
-27.67 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.847 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.84700000 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
Scale Type
Log Lin

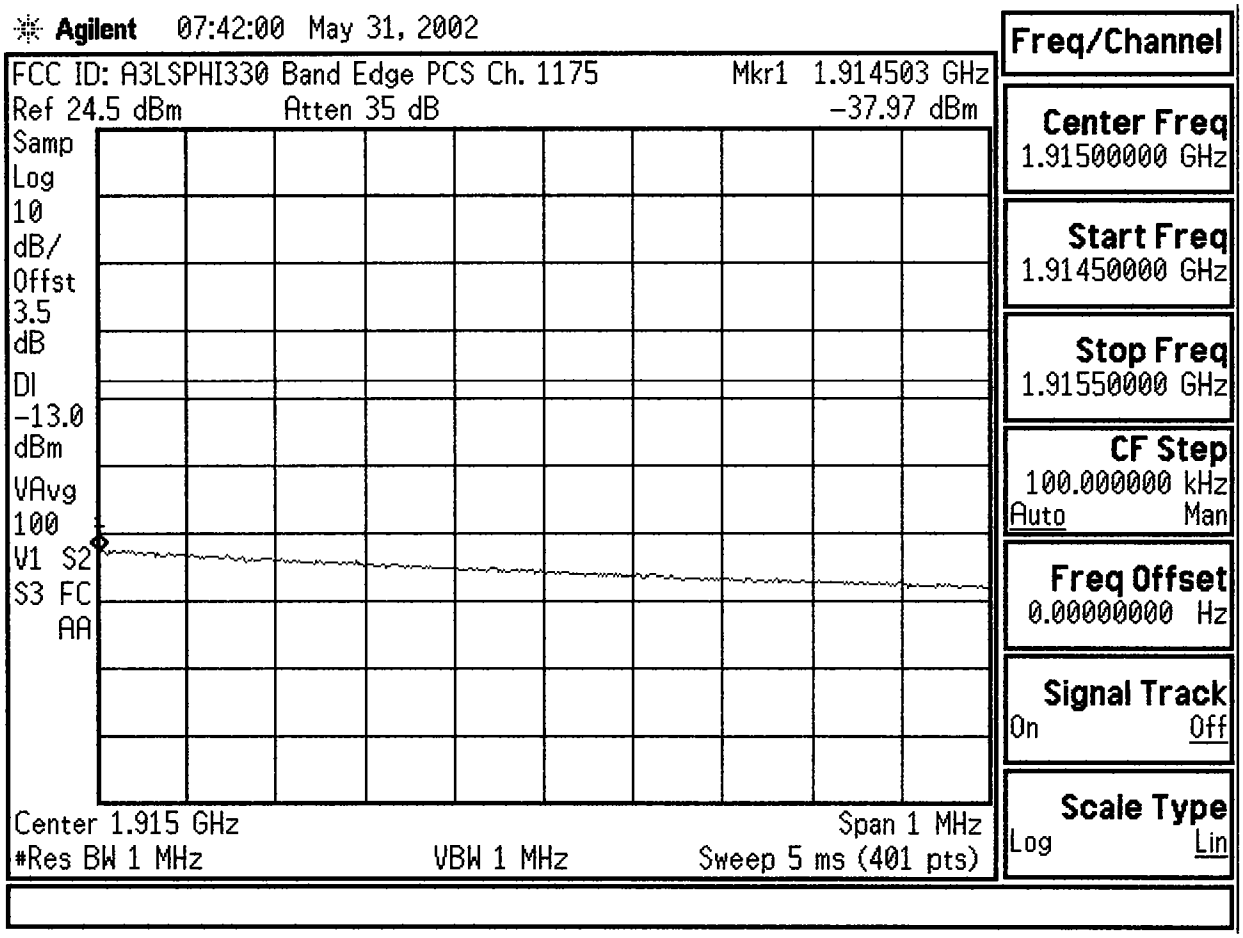

Agilent 07:34:10 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 0025
Mkr1 1.846493 GHz
Ref 24.5 dBm
Atten 35 dB
-38.03 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.846 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.84600000 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
Scale Type
Log Lin

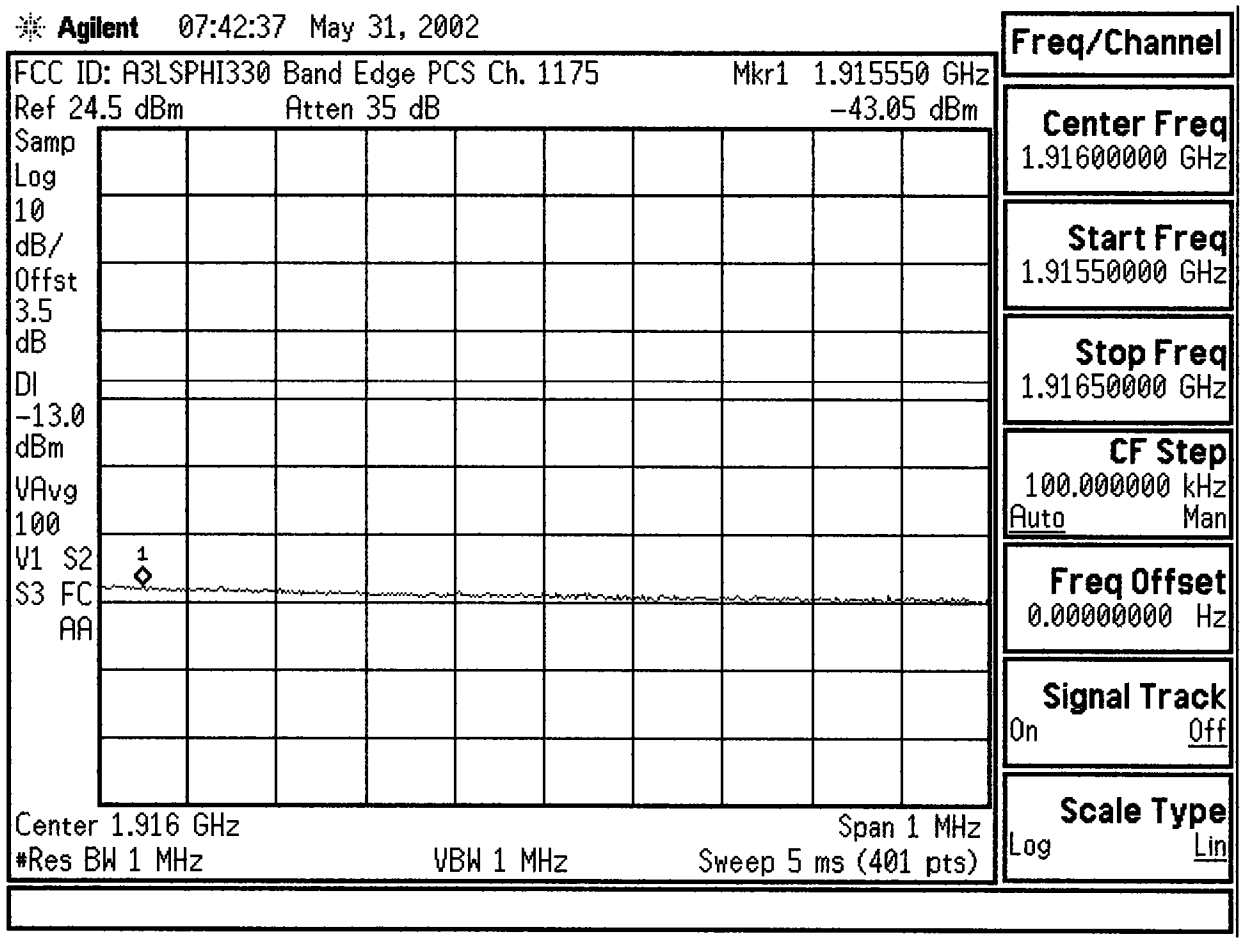

Agilent 07:34:57 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 0025
Mkr1 1.845480 GHz
Ref 24.5 dBm
Atten 35 dB
-41.05 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.845 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.84500000 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 07:35:35 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 0025
Mkr1 1.844450 GHz
Ref 24.5 dBm
Atten 35 dB
-42.12 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
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 07:40:02 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 1175
Mkr1 1.912520 GHz
Ref 24.5 dBm
Atten 35 dB
-20.69 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.913 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
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
Scale Type
Log Lin


Agilent 07:41:24 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 1175
Mkr1 1.913543 GHz
Ref 24.5 dBm
Atten 35 dB
-29.64 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.914 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
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
Scale Type
Log Lin


Agilent 07:42:00 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 1175
Mkr1 1.914503 GHz
Ref 24.5 dBm
Atten 35 dB
-37.97 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
Center 1.915 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
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
0.000000000 Hz
Signal Track
On Off
Scale Type
Log Lin

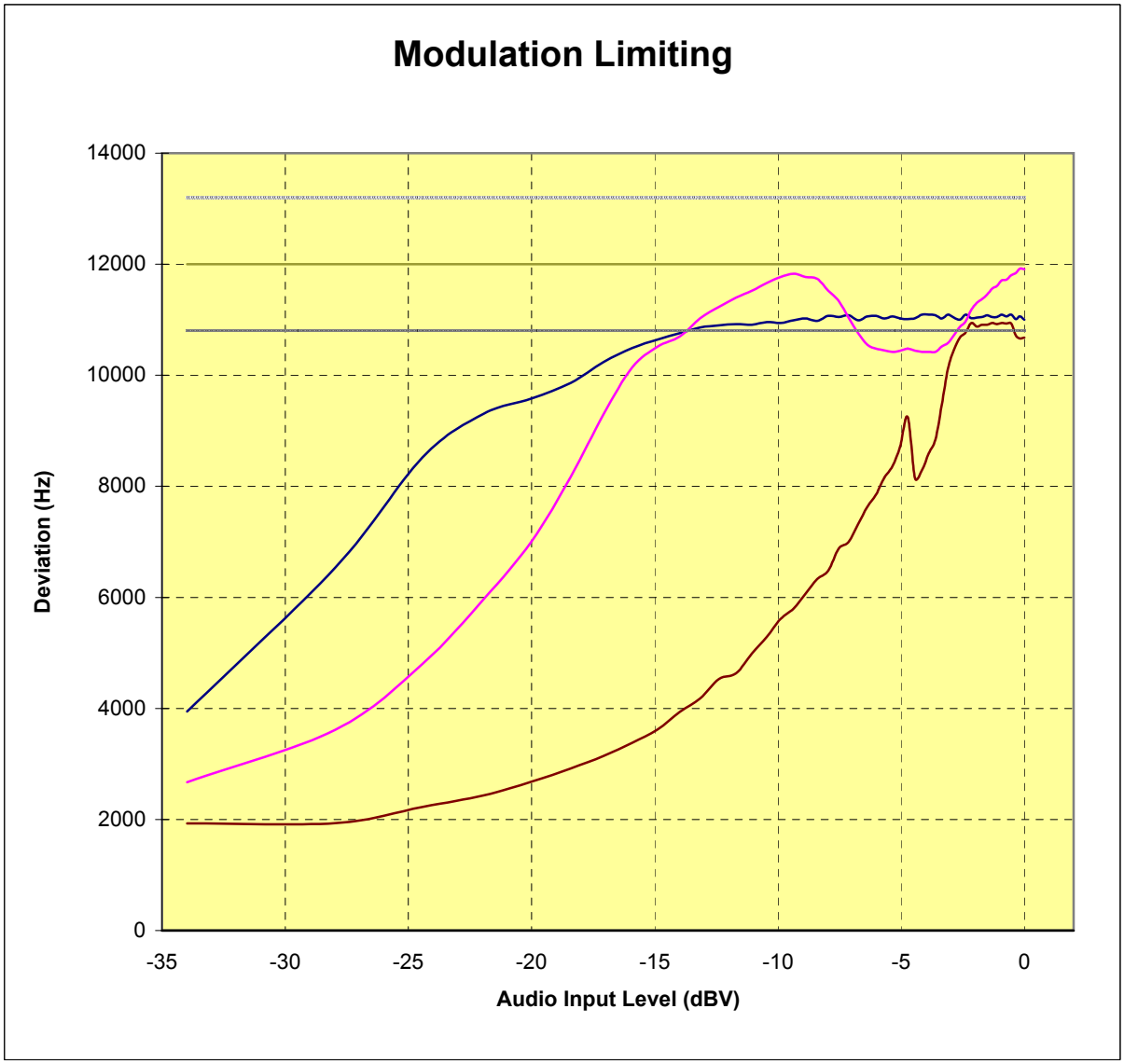

Agilent 07:42:37 May 31, 2002
FCC ID: A3LSPHI330 Band Edge PCS Ch. 1175
Mkr1 1.915550 GHz
Ref 24.5 dBm
Atten 35 dB
-43.05 dBm
Samp
Log
10
dB/
Offst
3.5
dB
Dl
-13.0
dBm
VAvg
100
V1 S2
S3 FC
AA
1
Center 1.916 GHz
Span 1 MHz
#Res BW 1 MHz
VBW 1 MHz
Sweep 5 ms (401 pts)
Freq/Channel
Center Freq
1.91600000 GHz
Start Freq
1.91550000 GHz
Stop Freq
1.91650000 GHz
CF Step
100.000000 kHz
Auto Man
Freq Offset
0.000000000 Hz
Signal Track
On Off
Scale Type
Log Lin

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

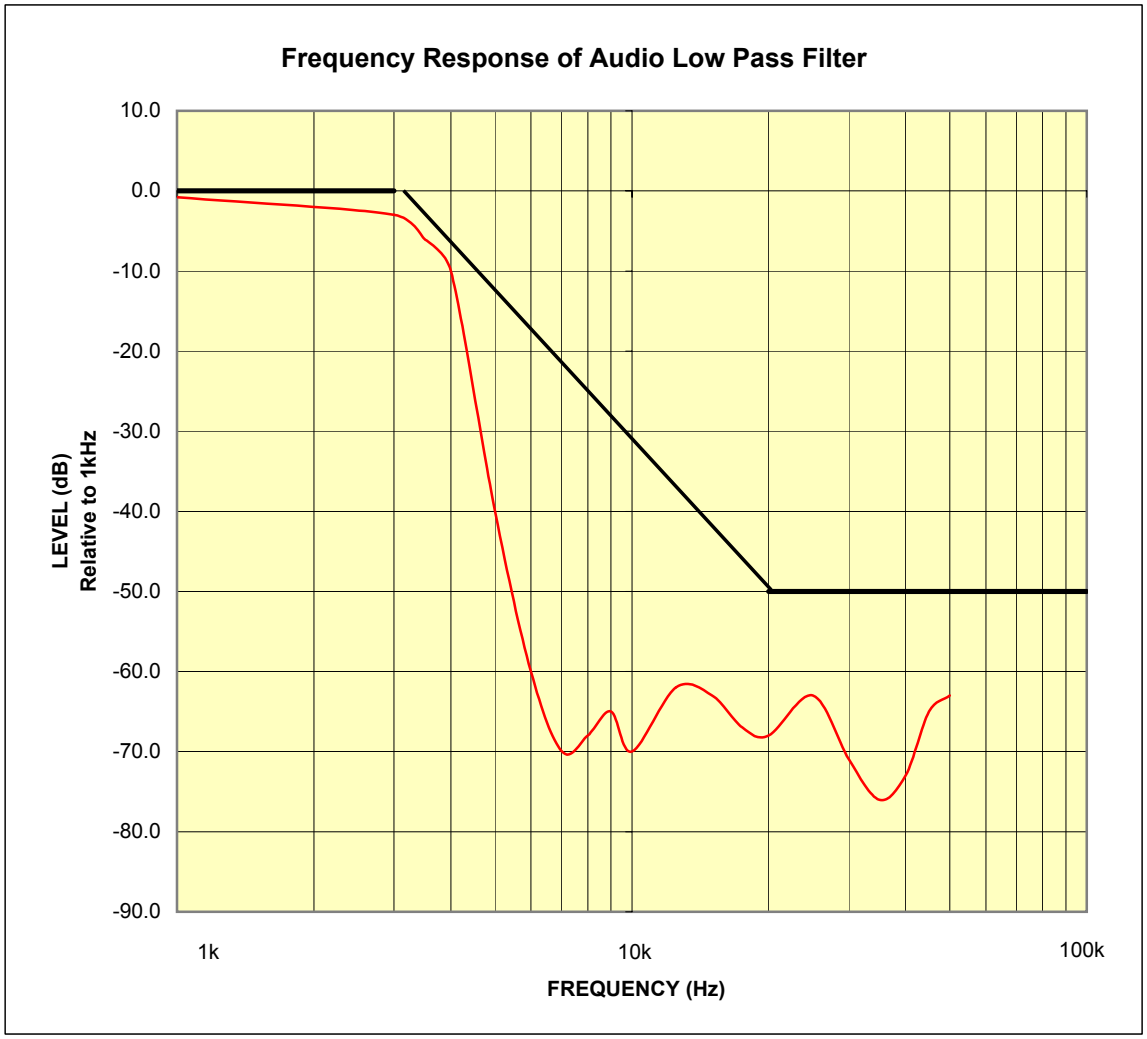


SUBJECT: Modulation Characteristics
FCC Part 24/22

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

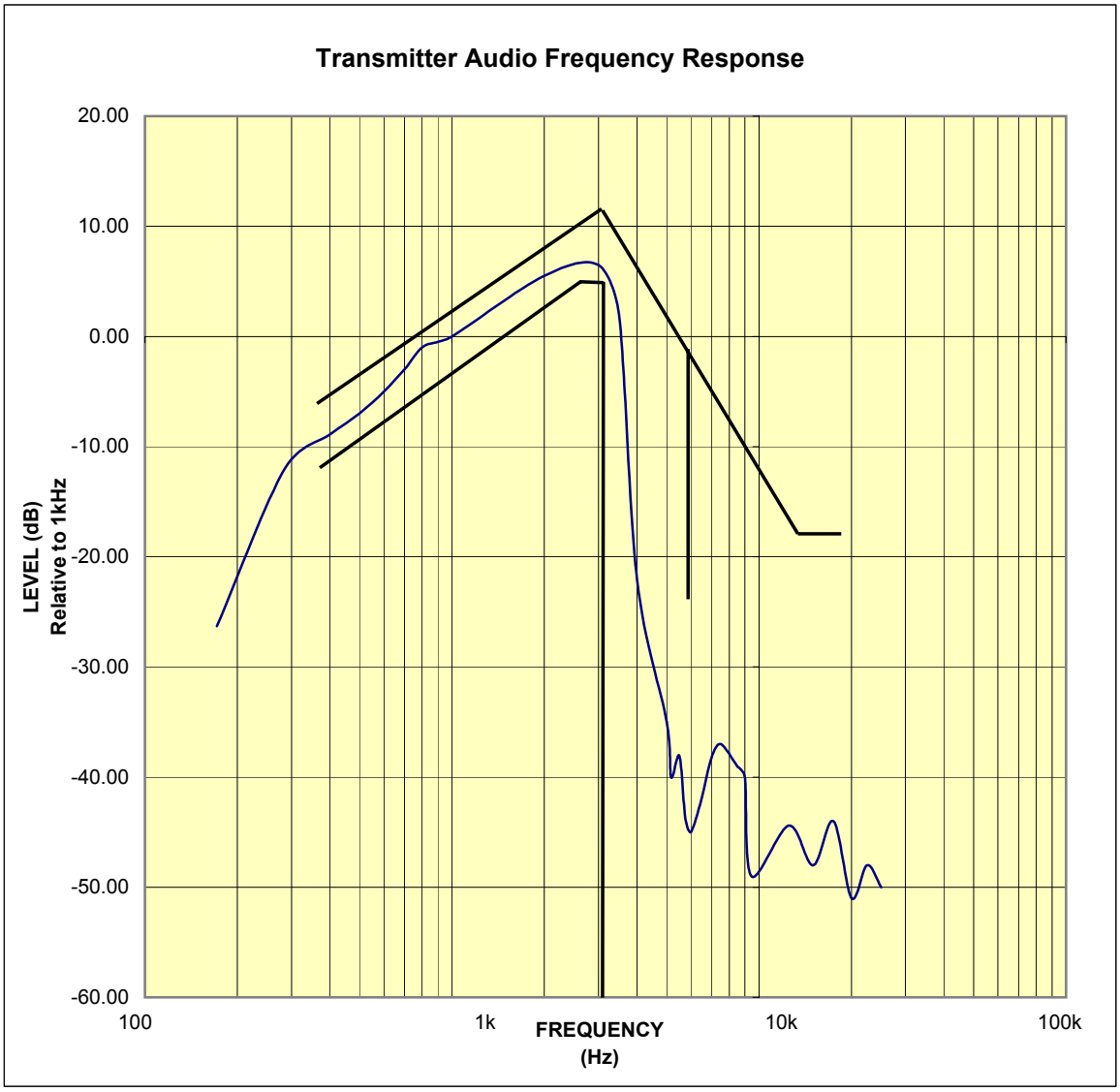
EUT: SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: *SPH-i330*
FCC ID: **A3LSPHI330**

REFERENCE: 1 kHz = 0 dB



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