

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

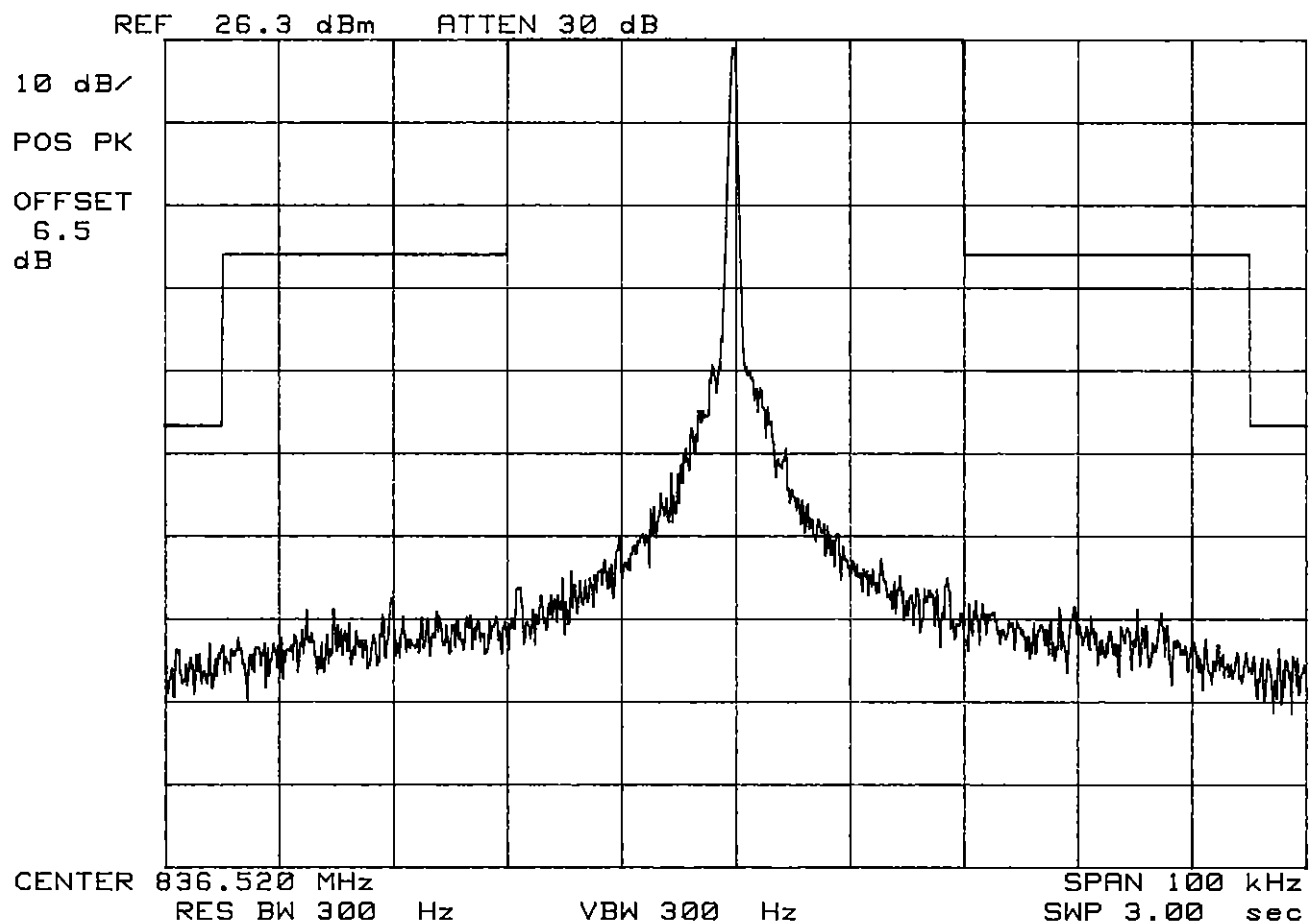
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

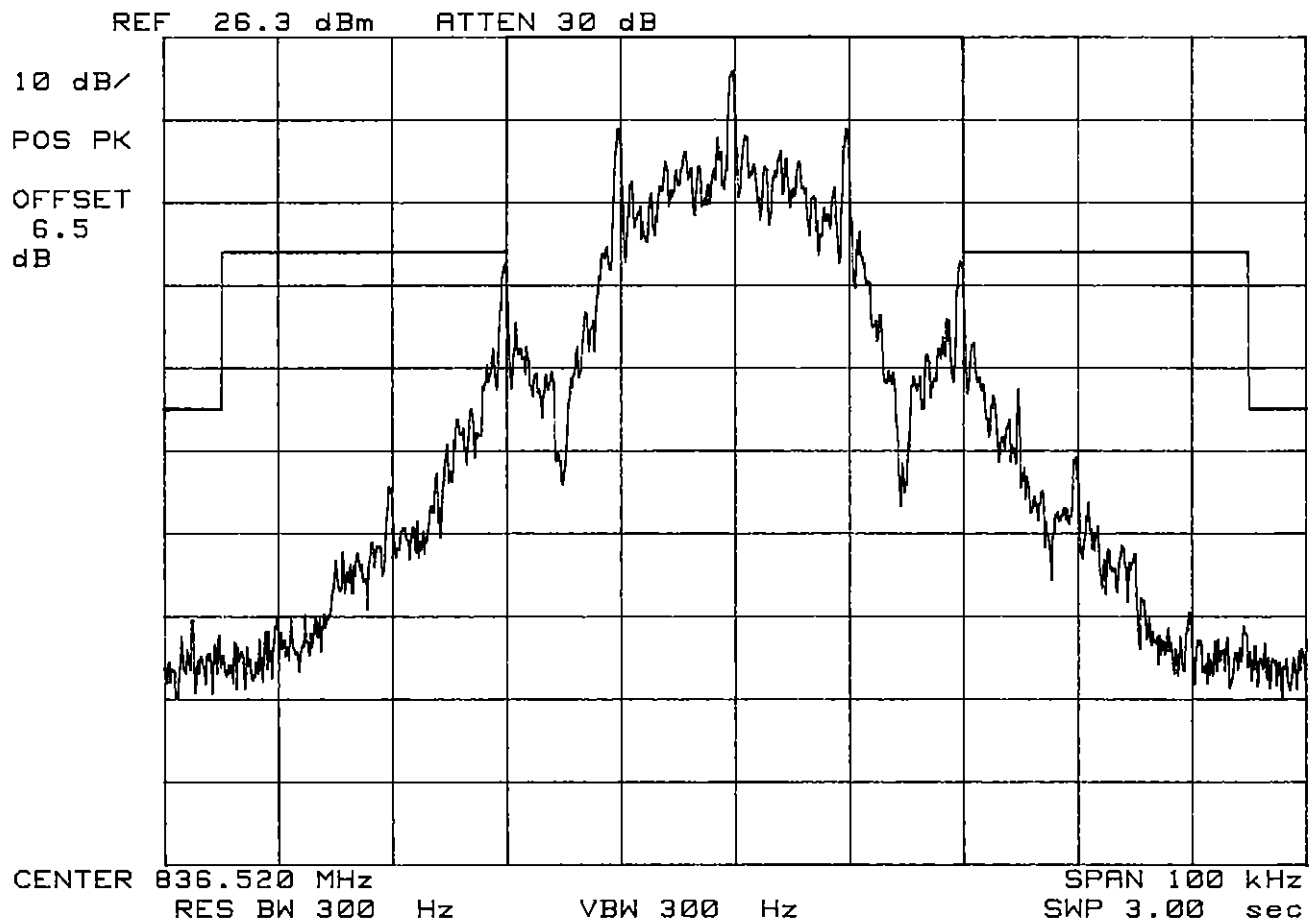
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:Wide Band Data



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

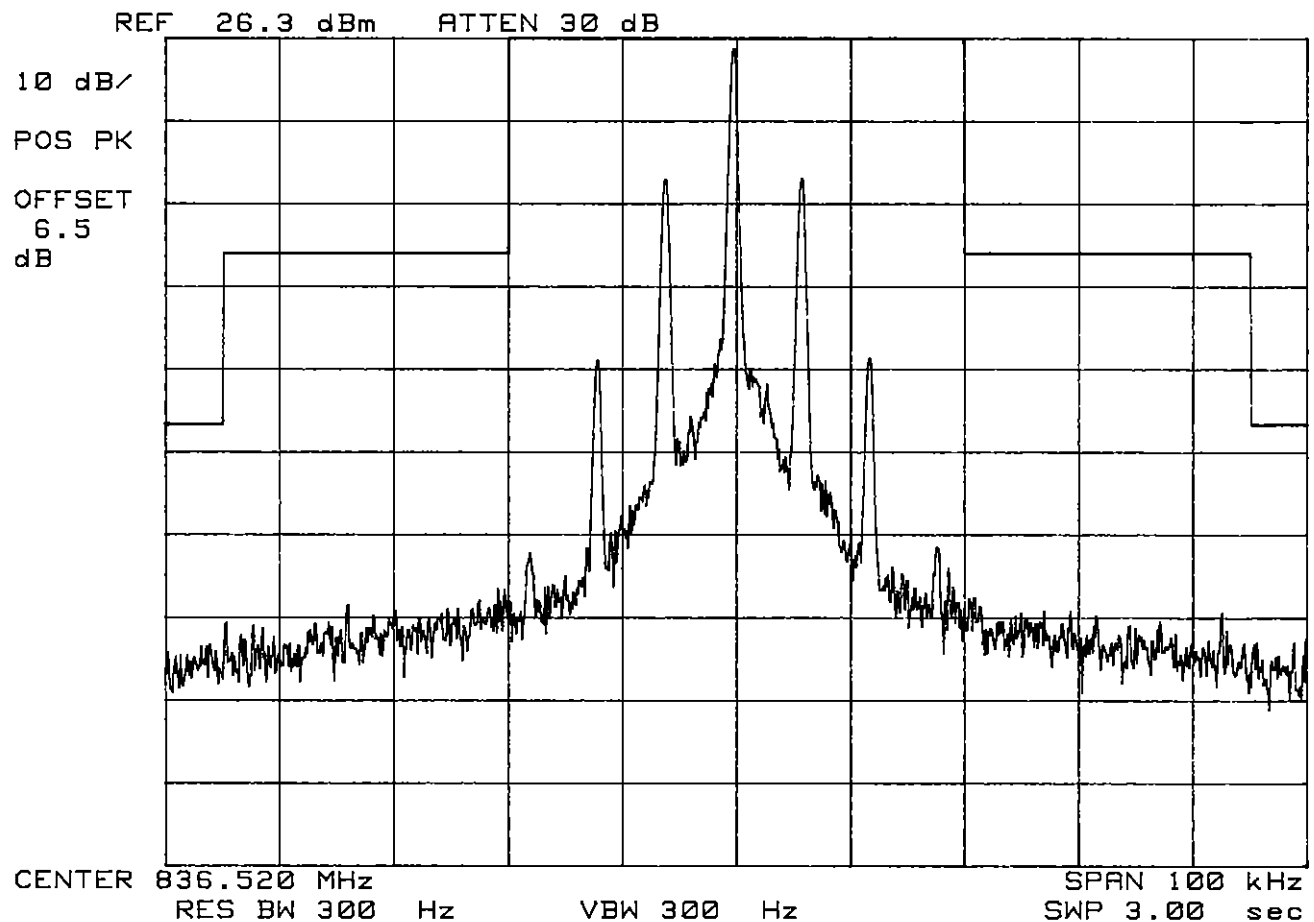
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

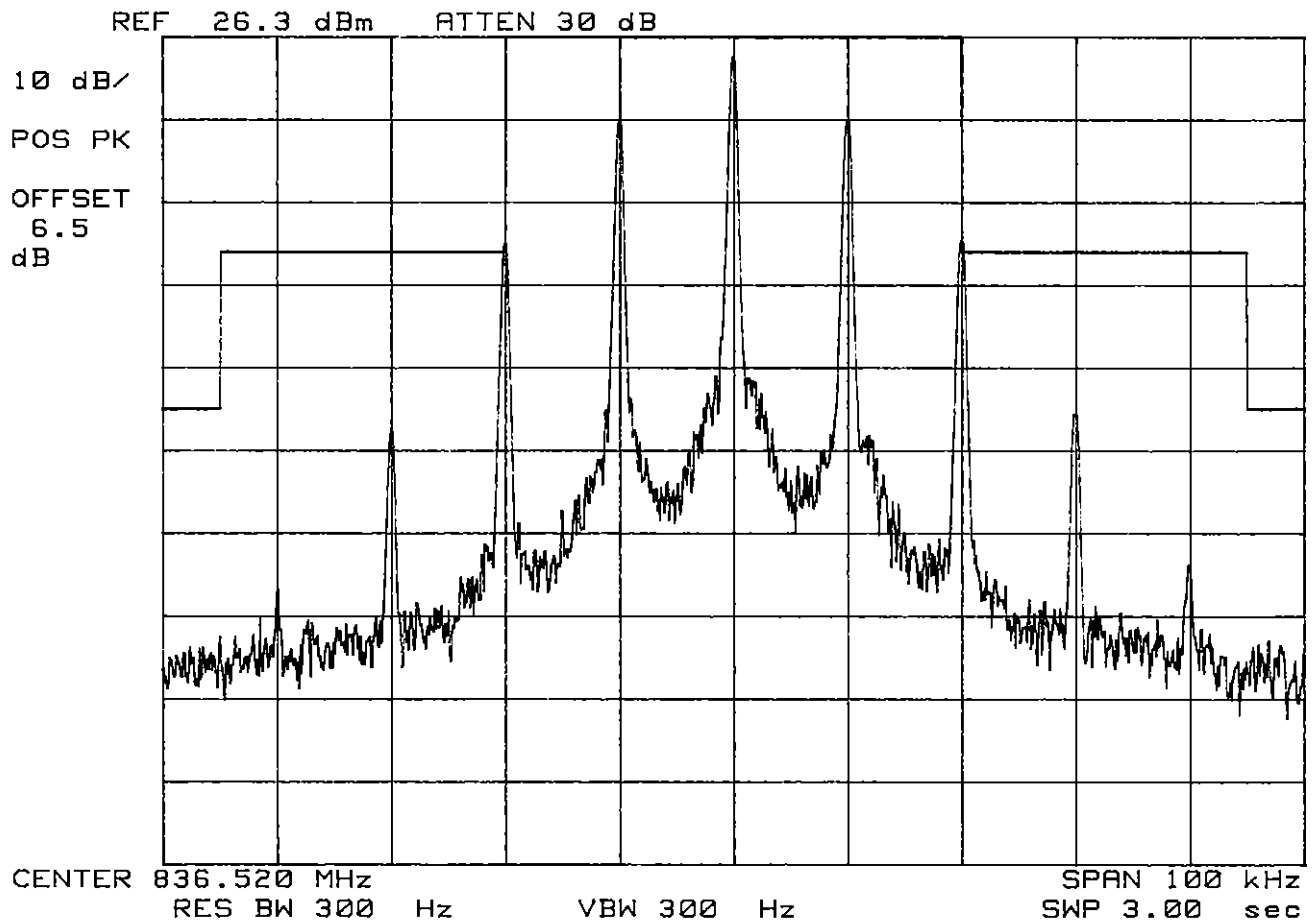
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

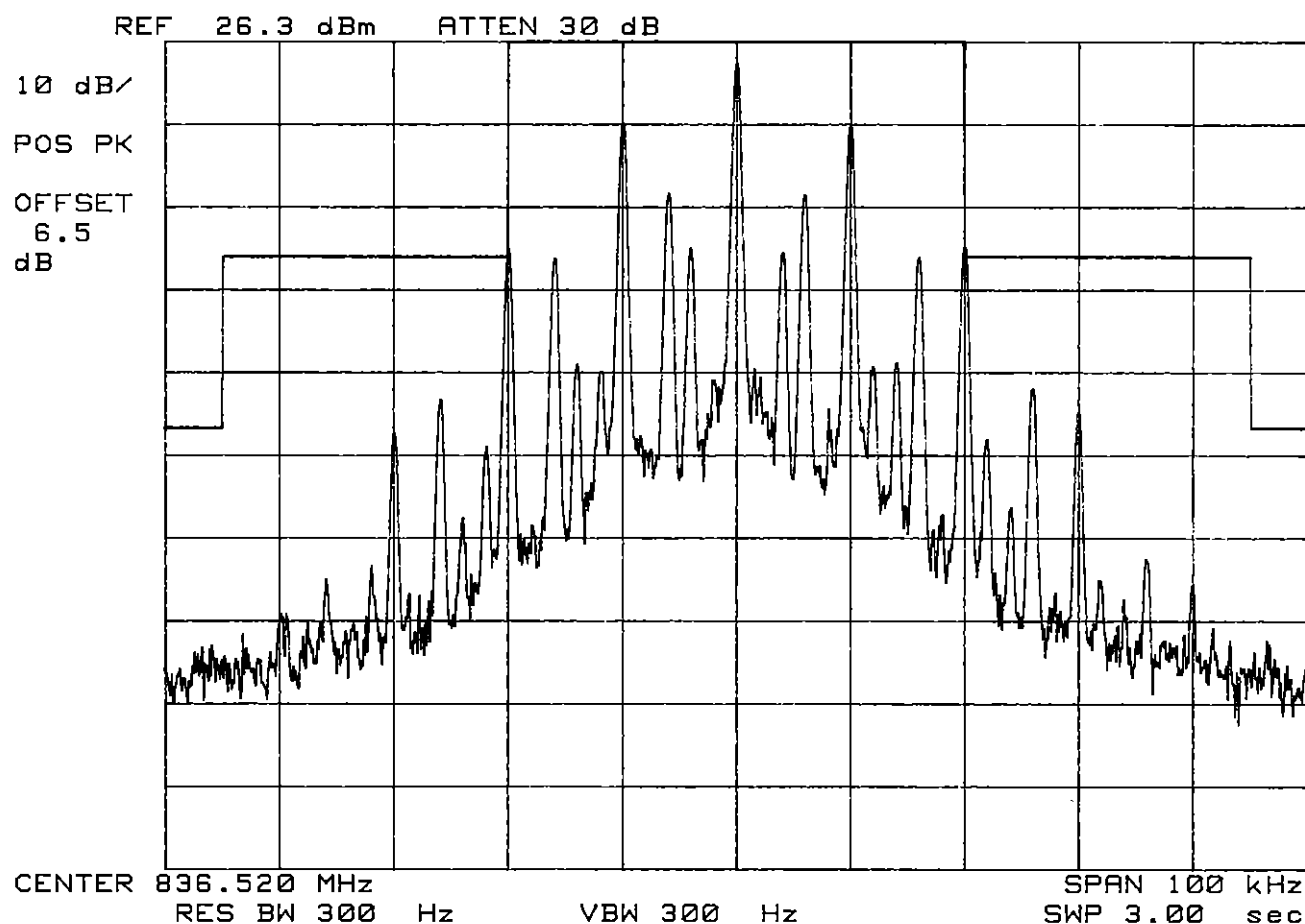
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

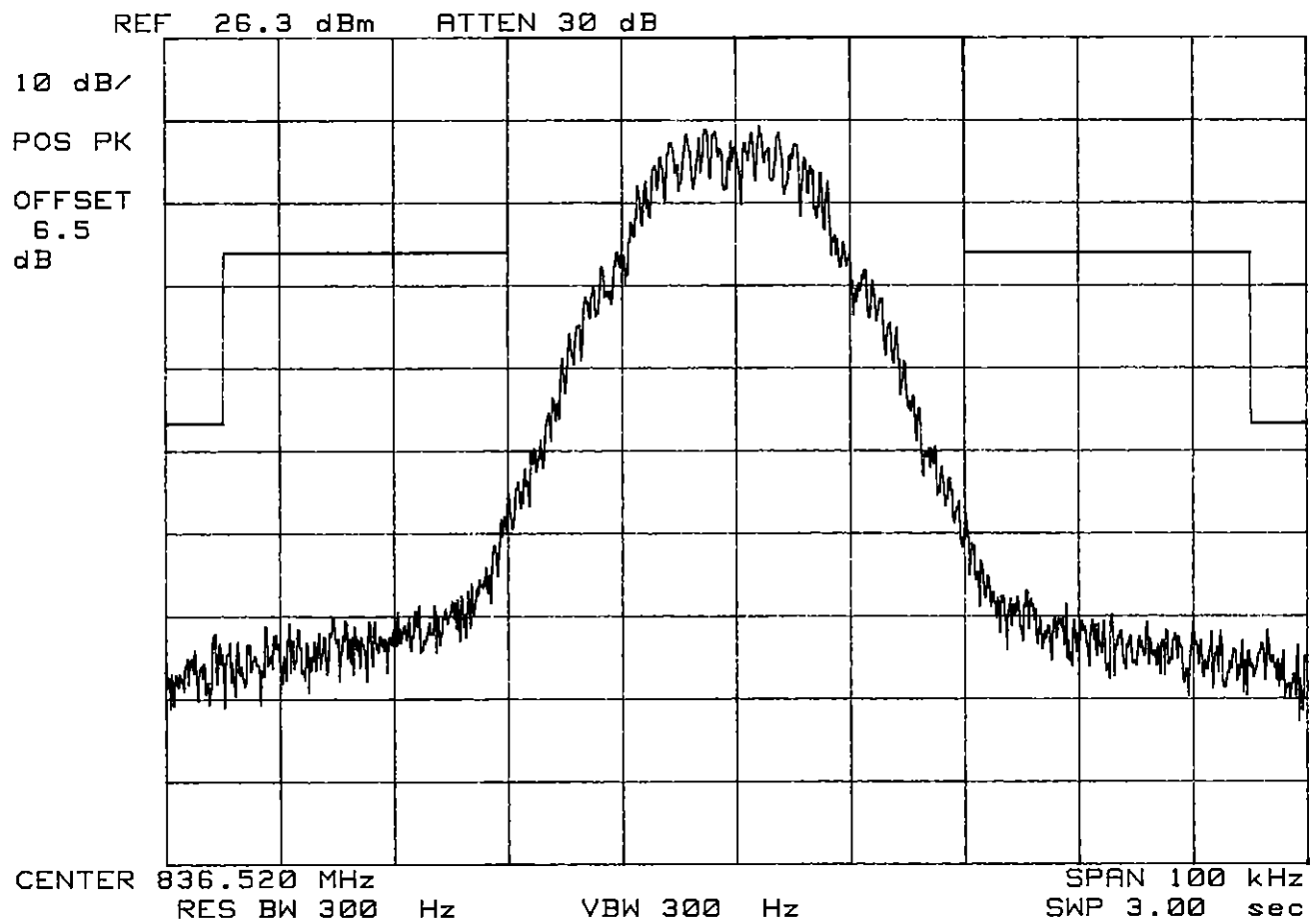
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:SAT + DTMF



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

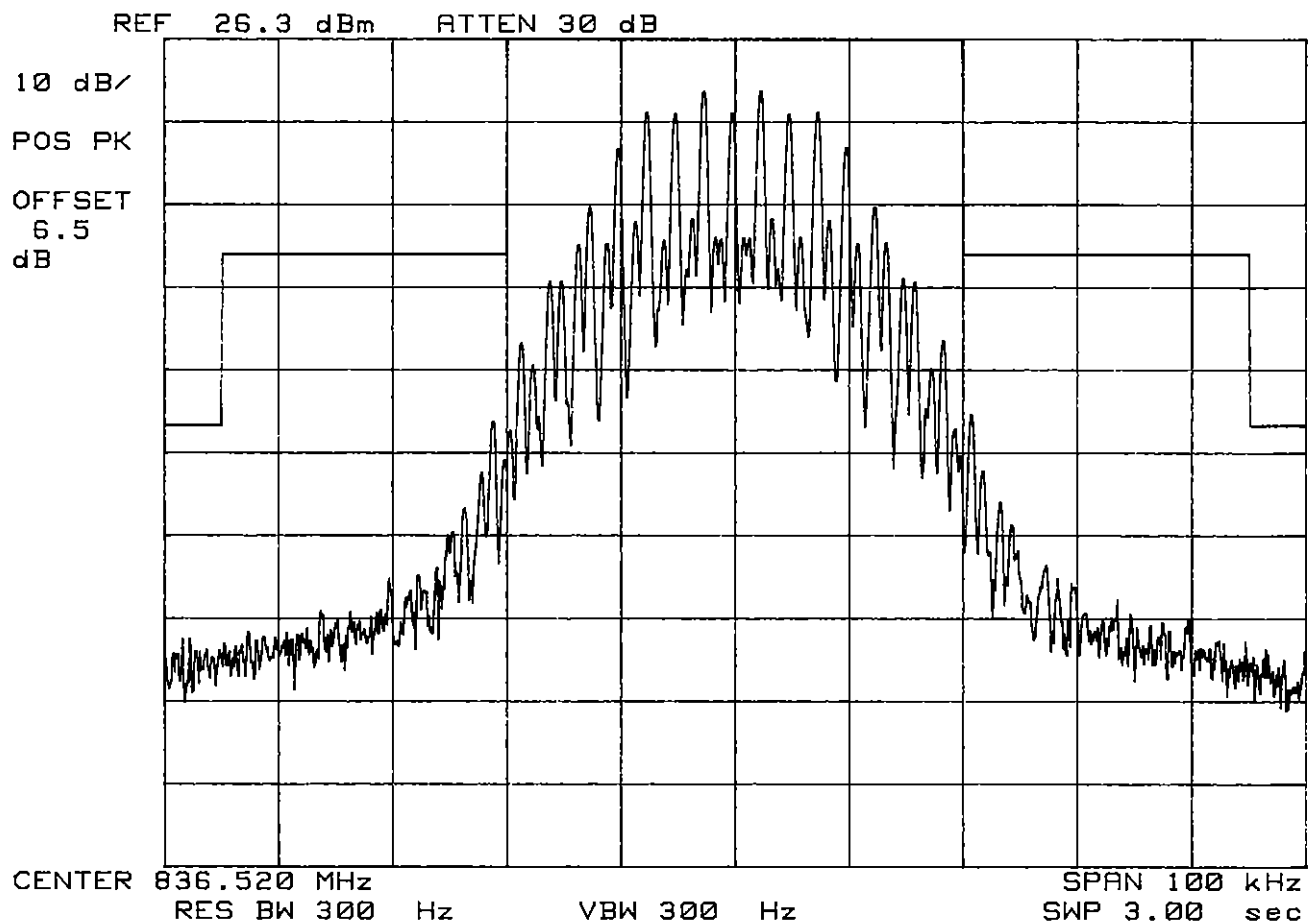
Tri-Mode Phone

FM Channel 384

Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:SAT + Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:GMLNPD-4AW

NOKIA Model: 3585i

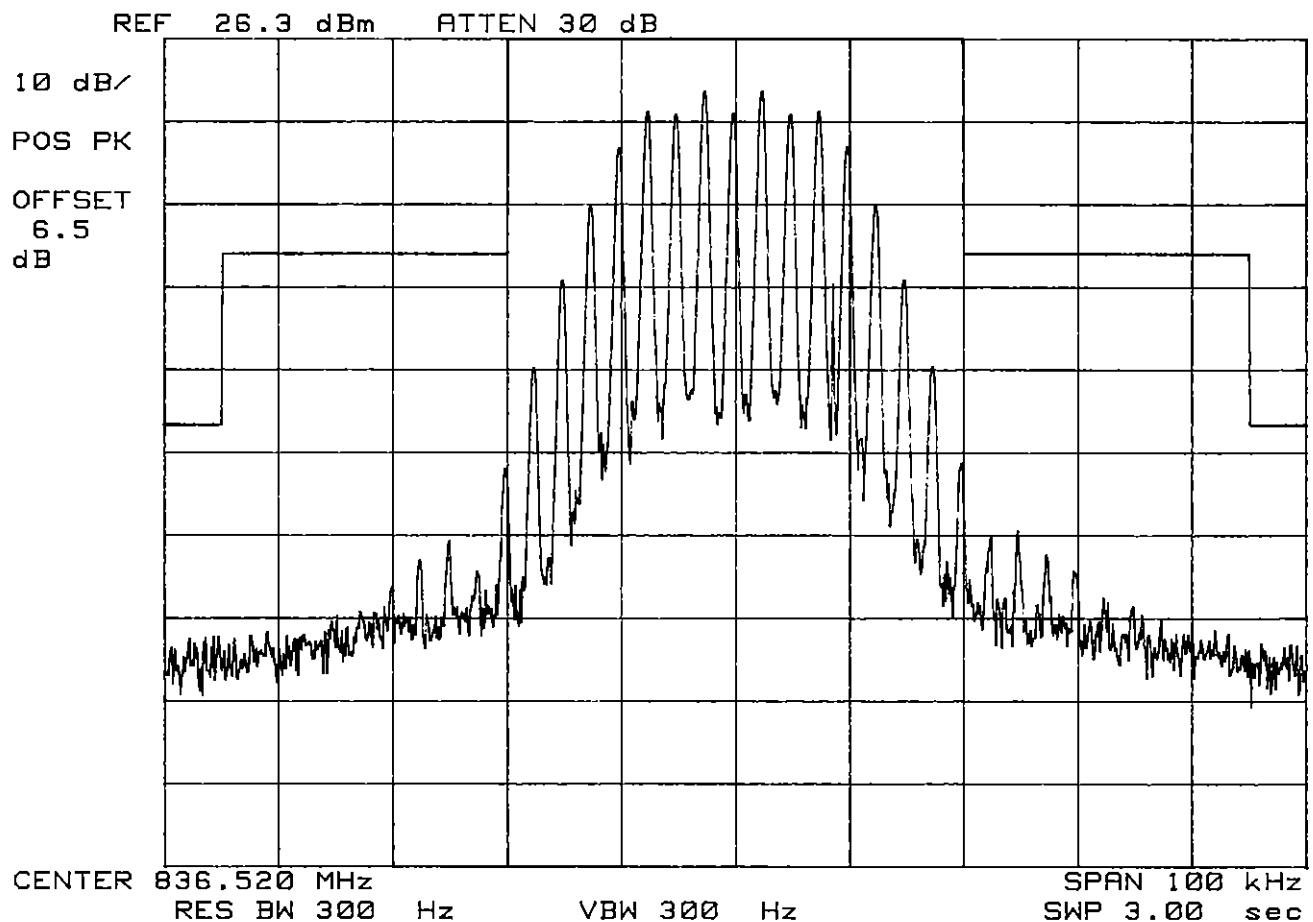
Tri-Mode Phone

FM Channel 384

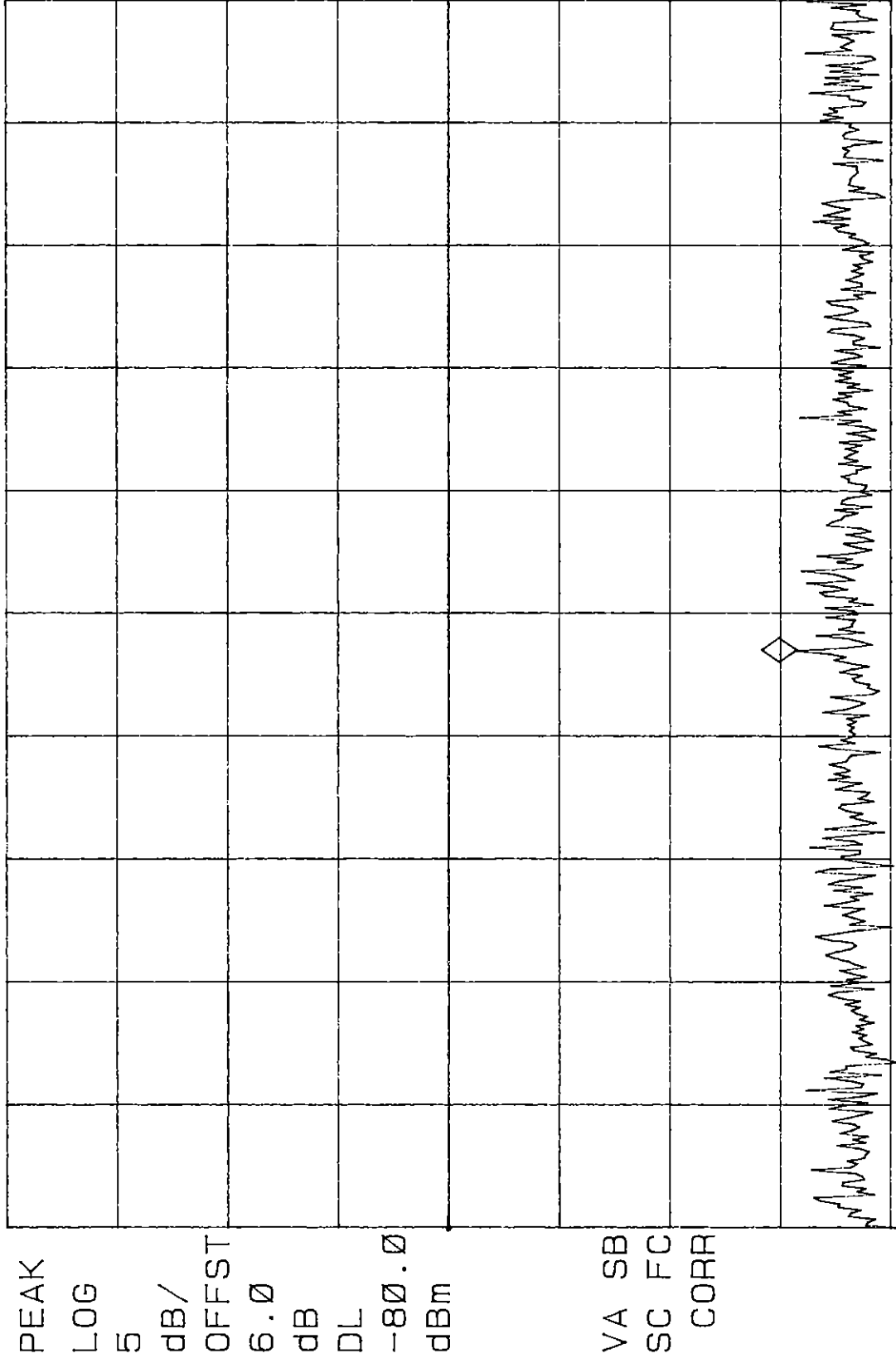
Operating Frequency: 836.520 MHz

Output Power : 26.3 dBm

Test Mode:Voice

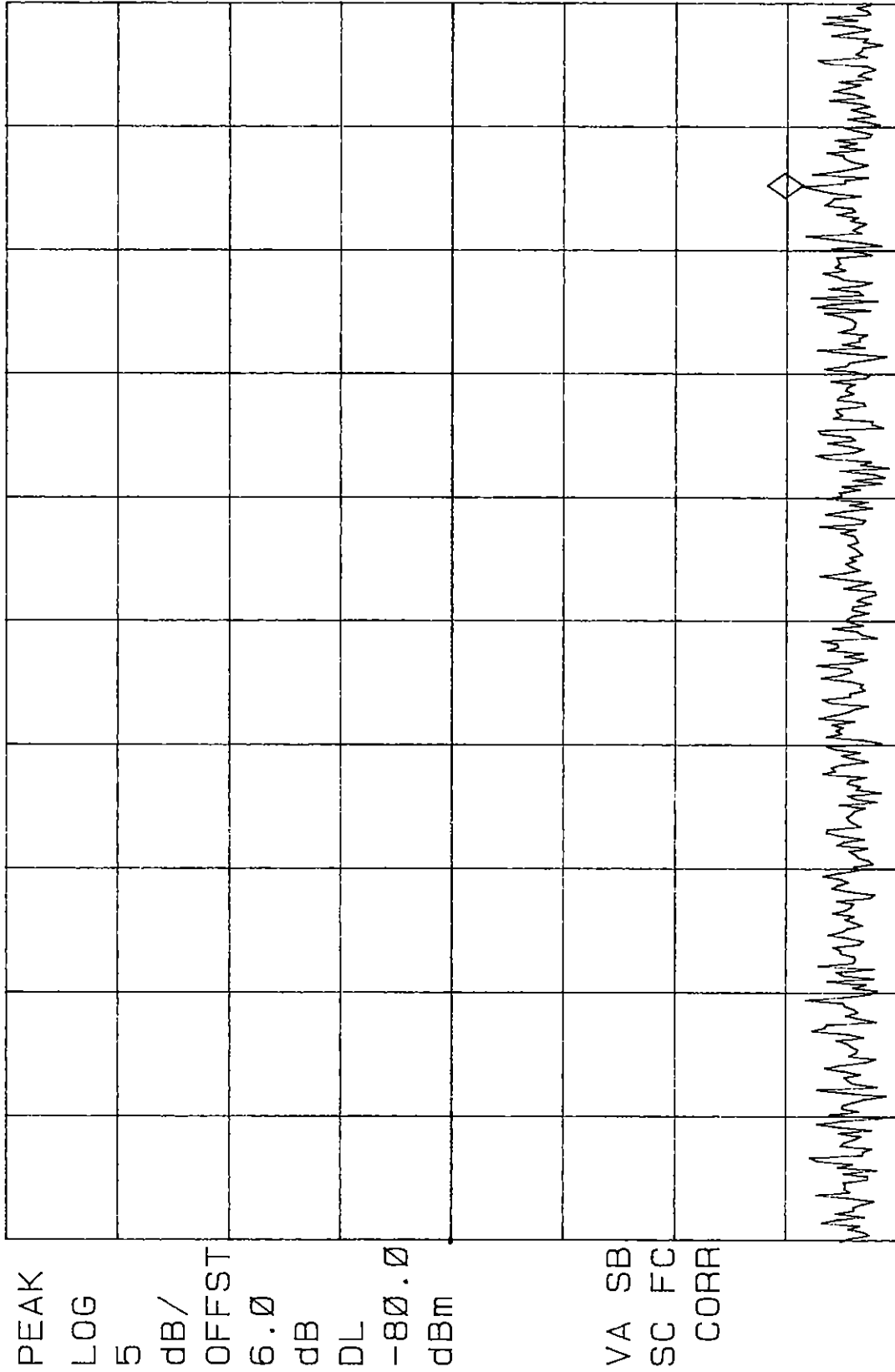


FCC ID: GMLNPD-4AW FM MODE Model: 3585i MKR 881.69 MHz
REF -60.0 dBm ATTN 10 dB PG 25.0 dB -95.74 dBm



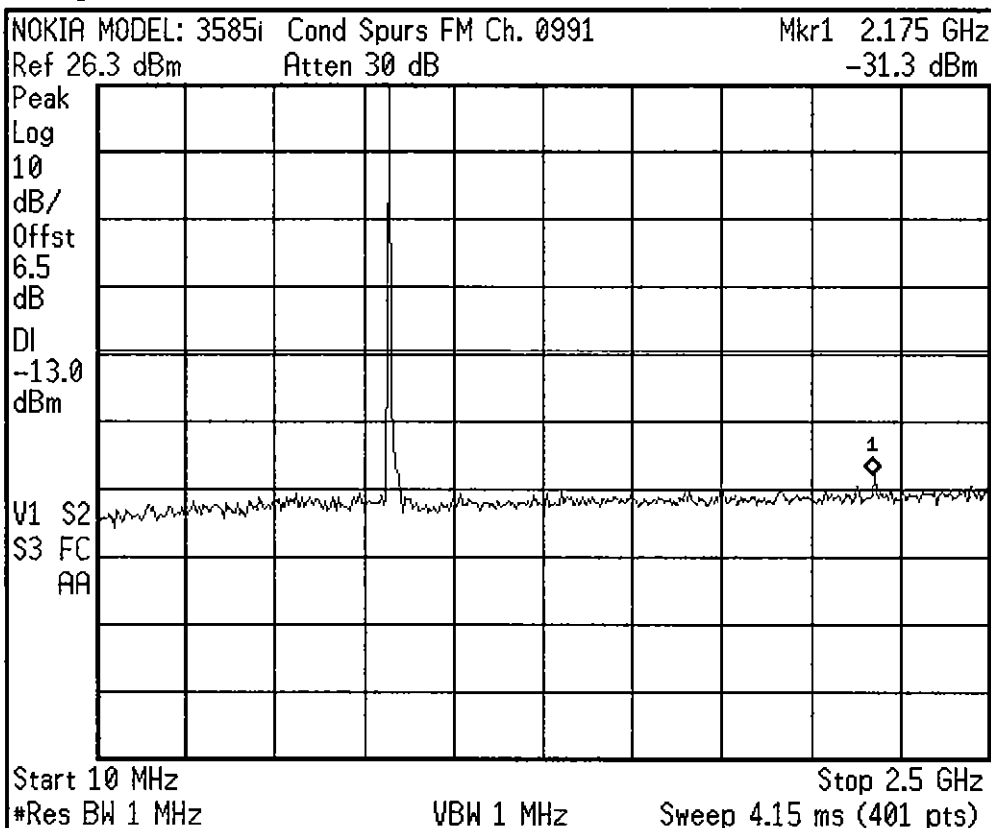
START 869.00 MHz STOP 896.00 MHz
#RES BW 100 KHZ #VBW 300 KHZ SWP 20 msec

FCC ID: GMLNPD-4AW CDMA Model: 3585i MKR 892.02 MHz
REF -60.0 dBm ATTN 10 dB PG 25.0 dB -95.70 dBm



START 869.00 MHz STOP 896.00 MHz
#RES BW 100 KHz #VBW 300 KHz SWP 20 msec

Agilent



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

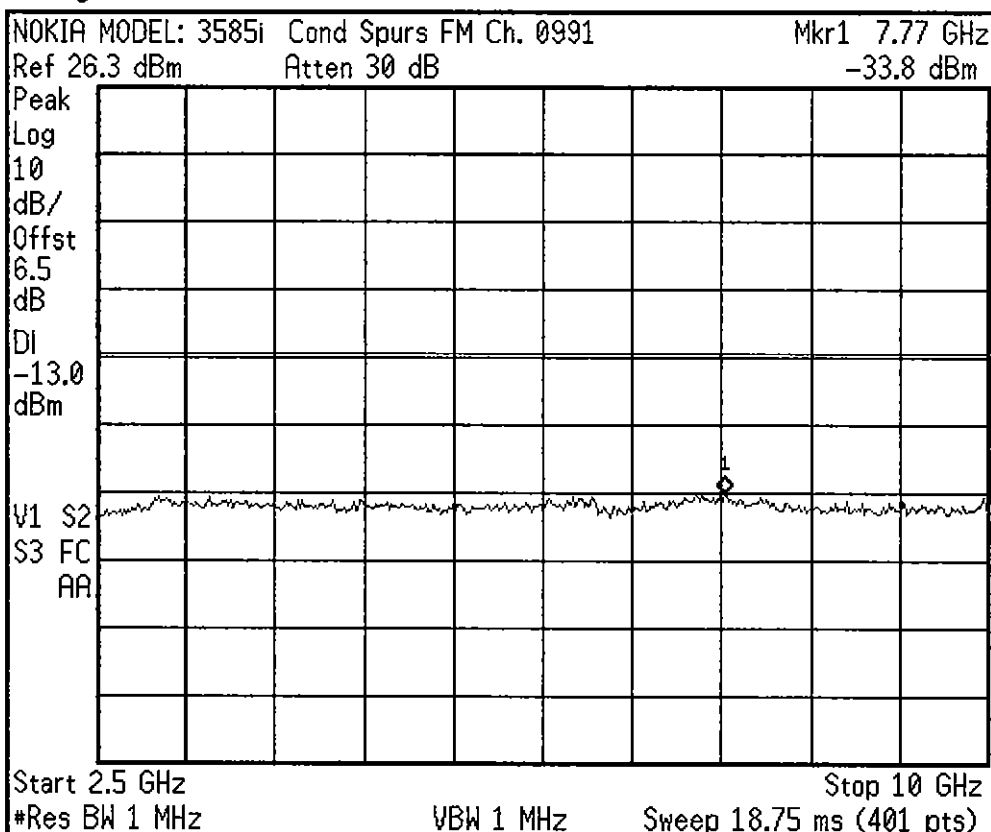
CF Step
 249.000000 MHz
 Auto Man

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

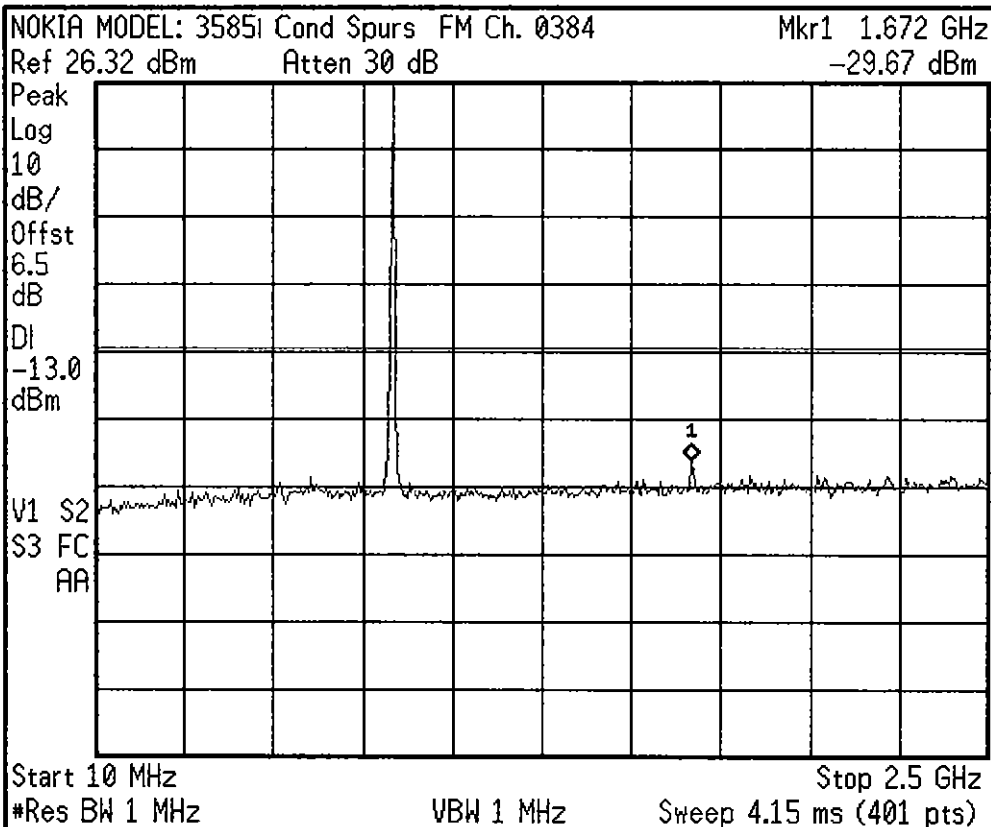
CF Step
 750.000000 MHz
 Auto Man

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

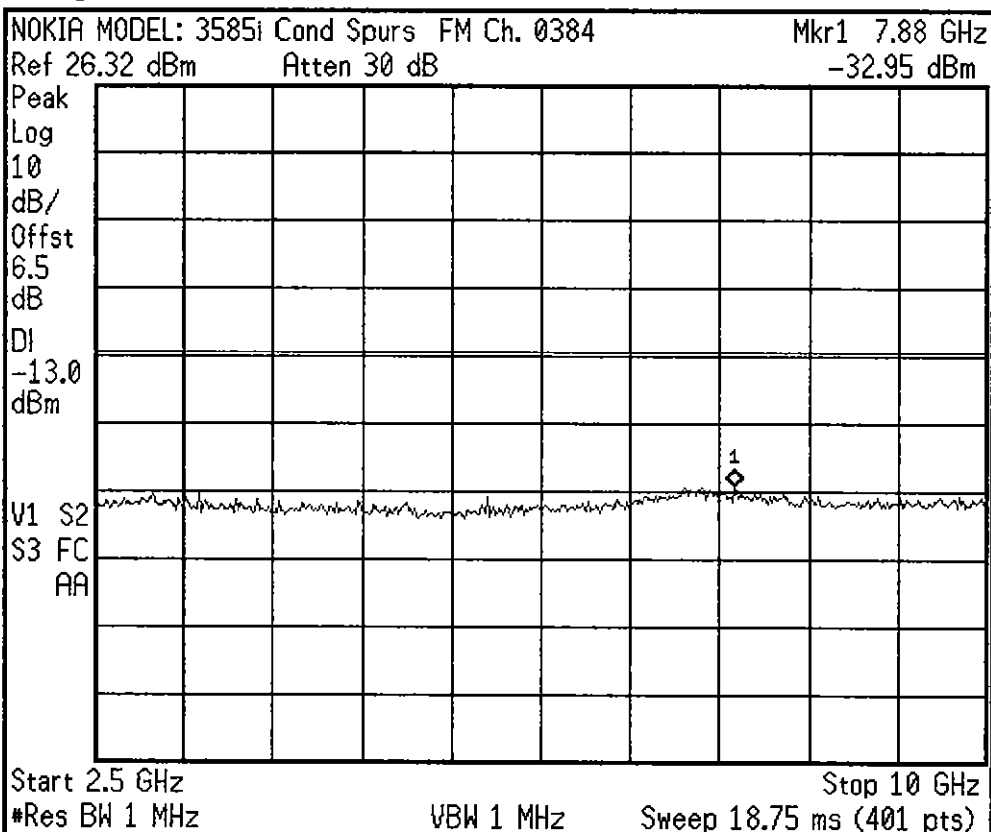
CF Step
 249.000000 MHz
 Auto Man

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

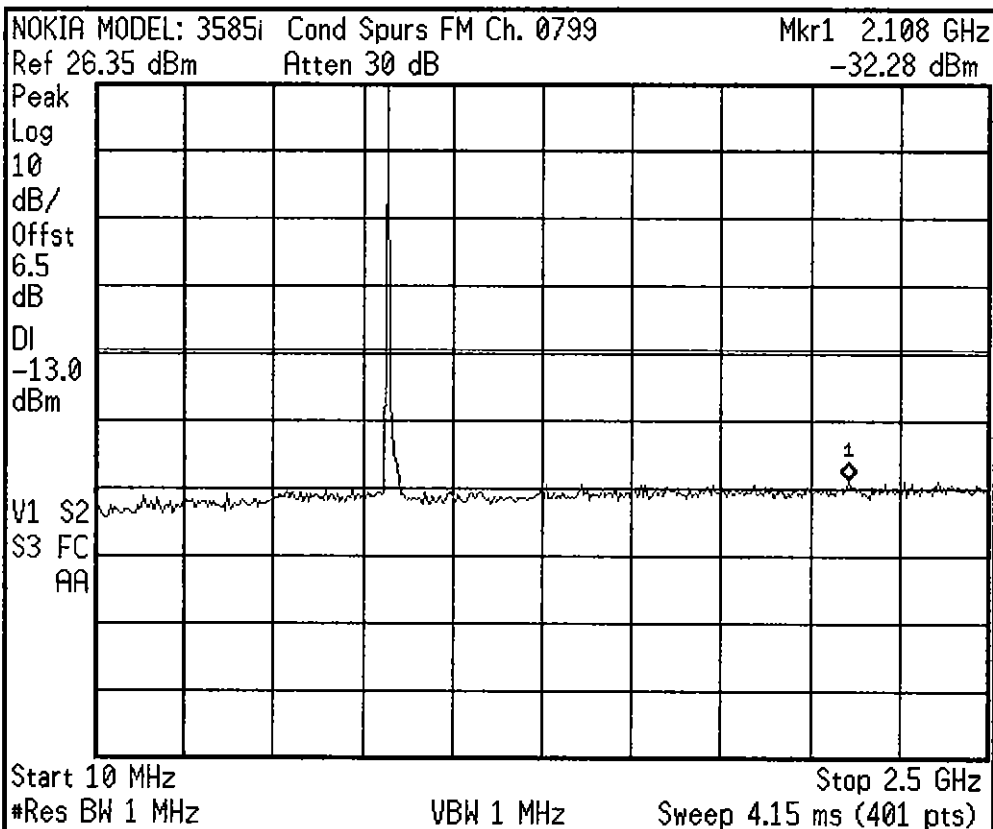
CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

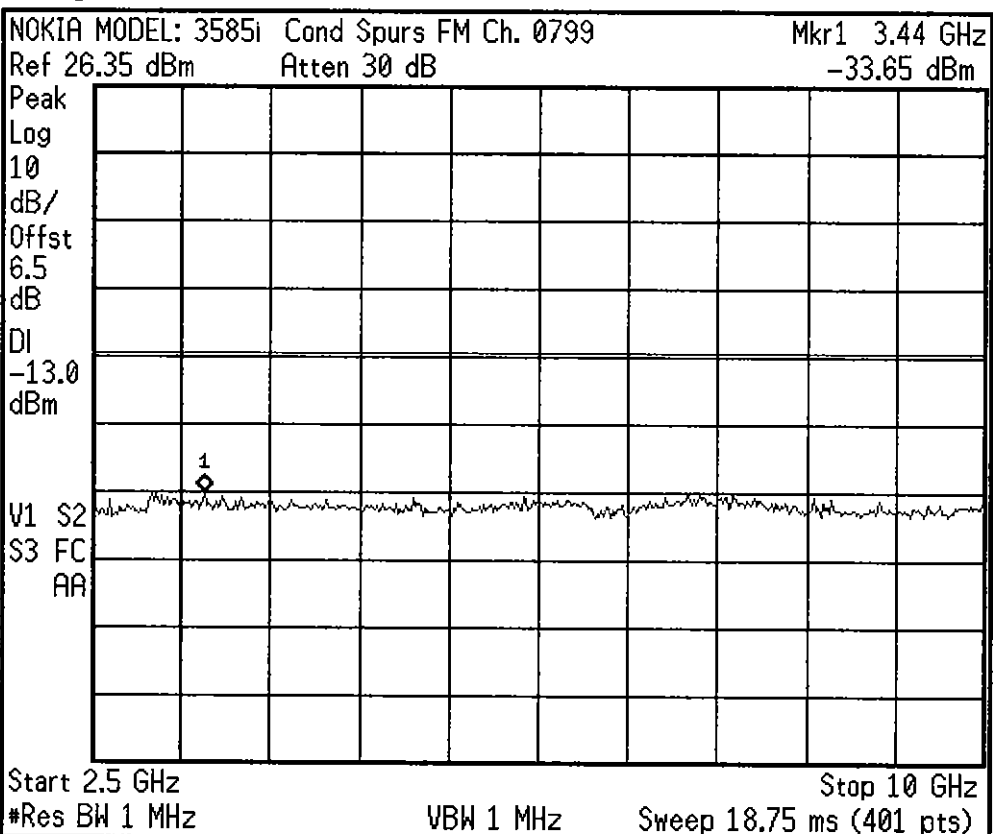
CF Step
 249.000000 MHz
 Auto Man

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

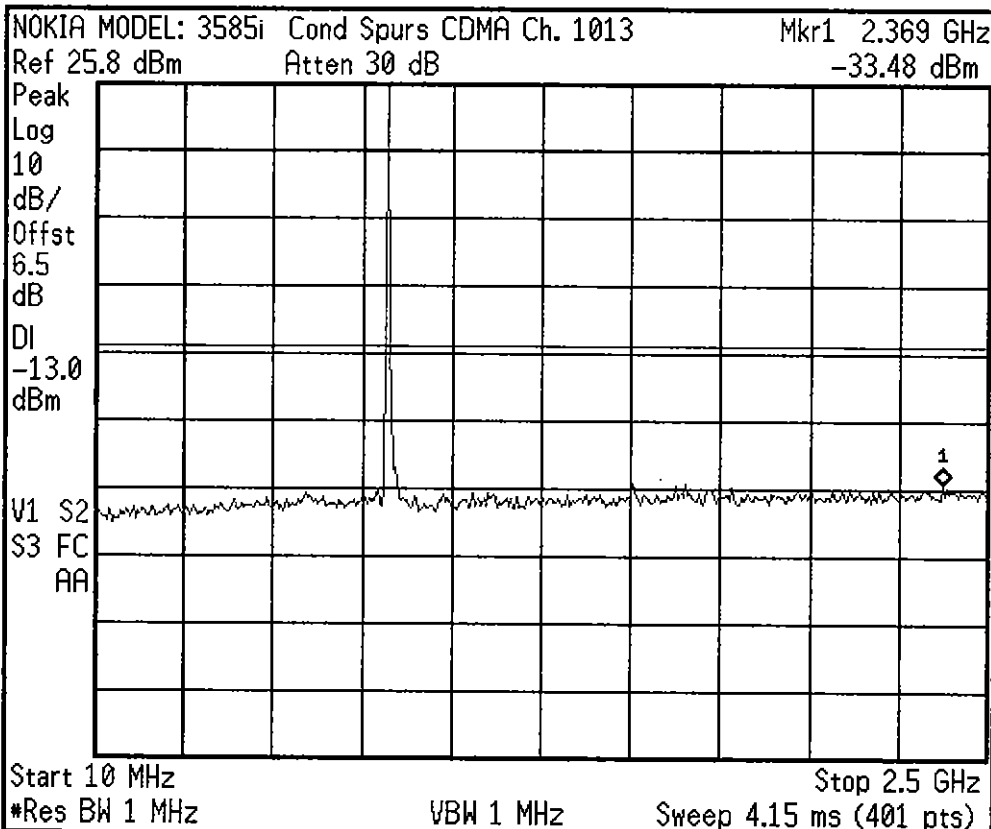
CF Step
 750.000000 MHz
 Auto Man

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

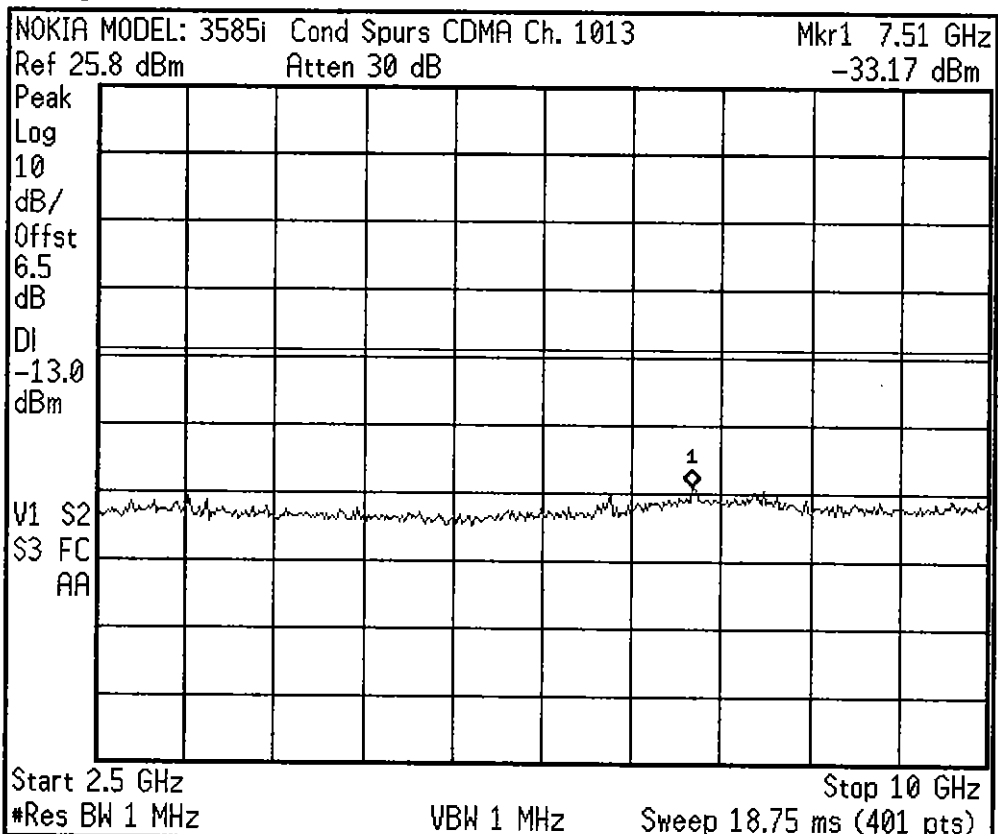
CF Step
 249.000000 MHz
 Auto Man

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

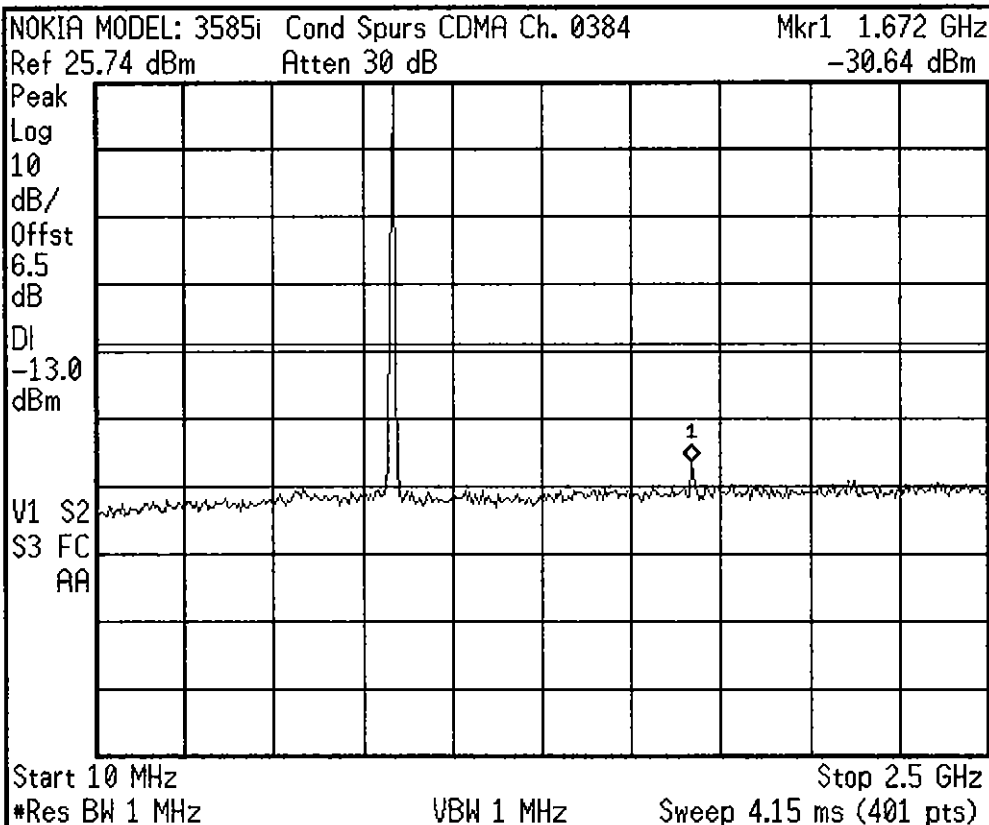
CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Trace/View

Trace

1 2 3

Clear Write

Max Hold

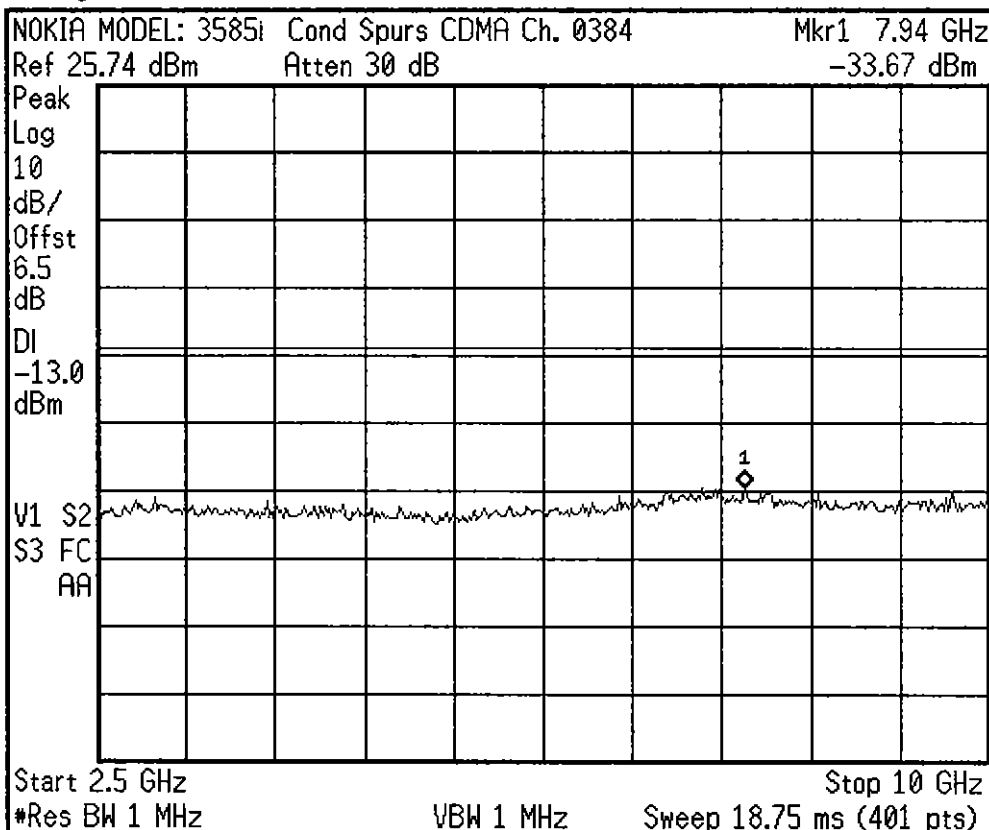
Min Hold

View

Blank

More
 1 of 2

Agilent



Freq/Channel

Center Freq

6.25000000 GHz

Start Freq

2.50000000 GHz

Stop Freq

10.00000000 GHz

CF Step

750.000000 MHz

Auto Man

Freq Offset

0.00000000 Hz

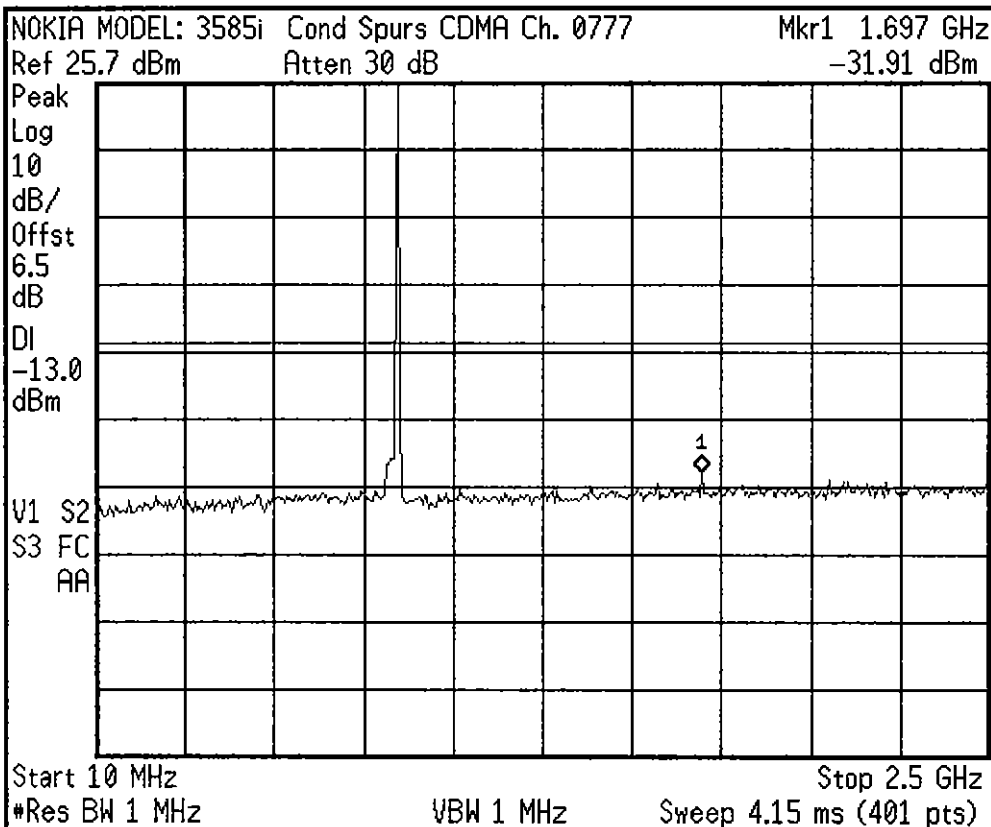
Signal Track

On Off

Scale Type

Log Lin

Agilent



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

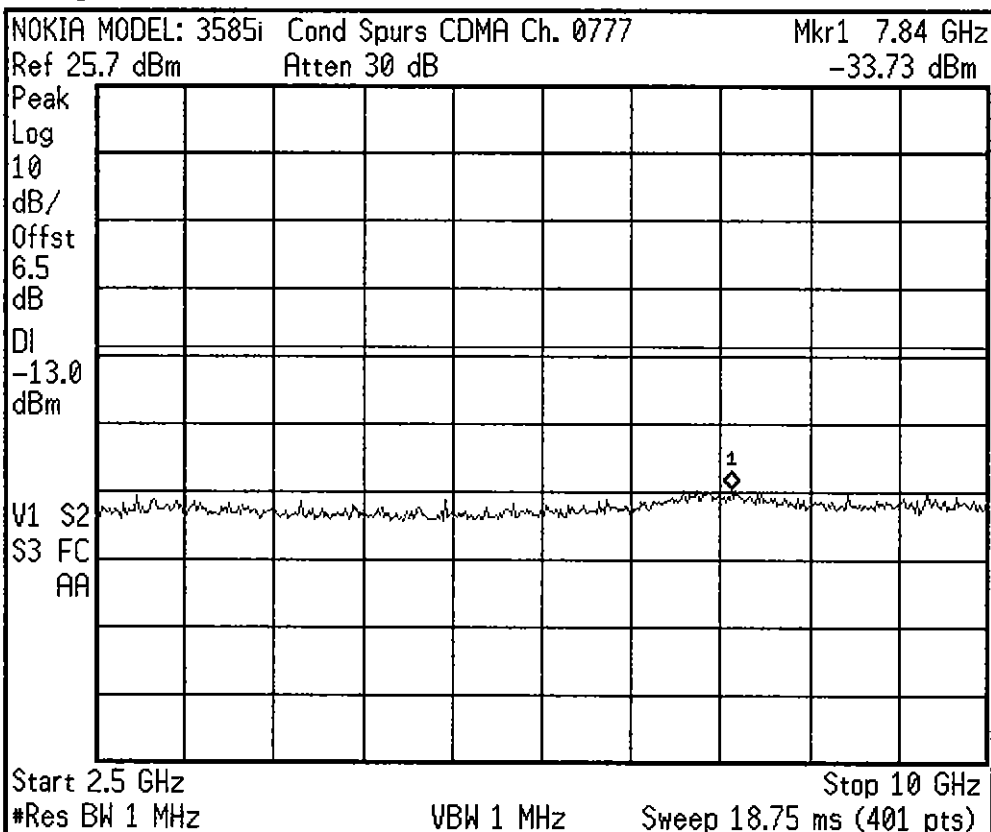
CF Step
 249.000000 MHz
 Auto Man

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

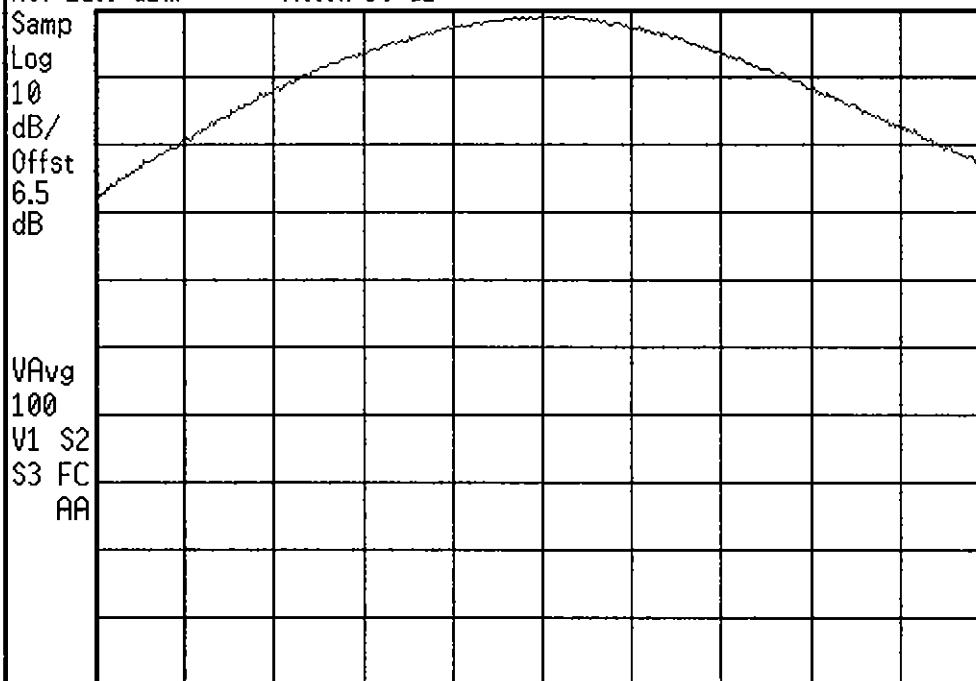
Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent

NOKIA MODEL: 3585i Power Out CDMA Ch. 1013
Ref 25.8 dBm Atten 30 dB



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

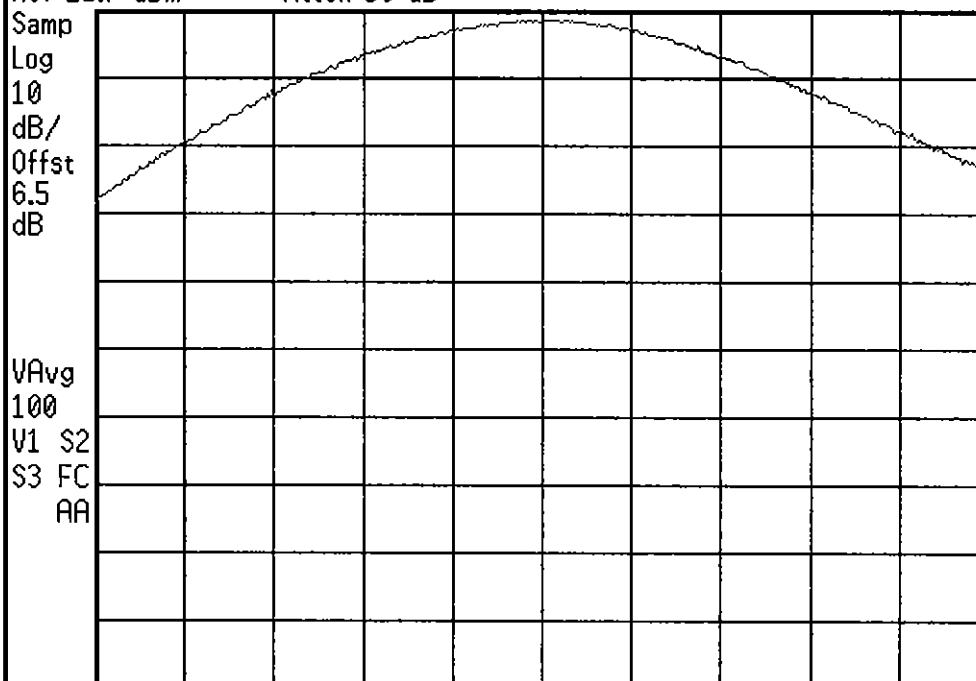
Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

NOKIA MODEL: 3585i Power Out CDMA Ch. 0777
Ref 25.7 dBm Atten 30 dB



Center 848.3 MHz Span 10 MHz
*Res BW 3 MHz VBW 3 MHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq
848.310000 MHz

Start Freq
843.310000 MHz

Stop Freq
853.310000 MHz

CF Step
1.00000000 MHz
Auto Man

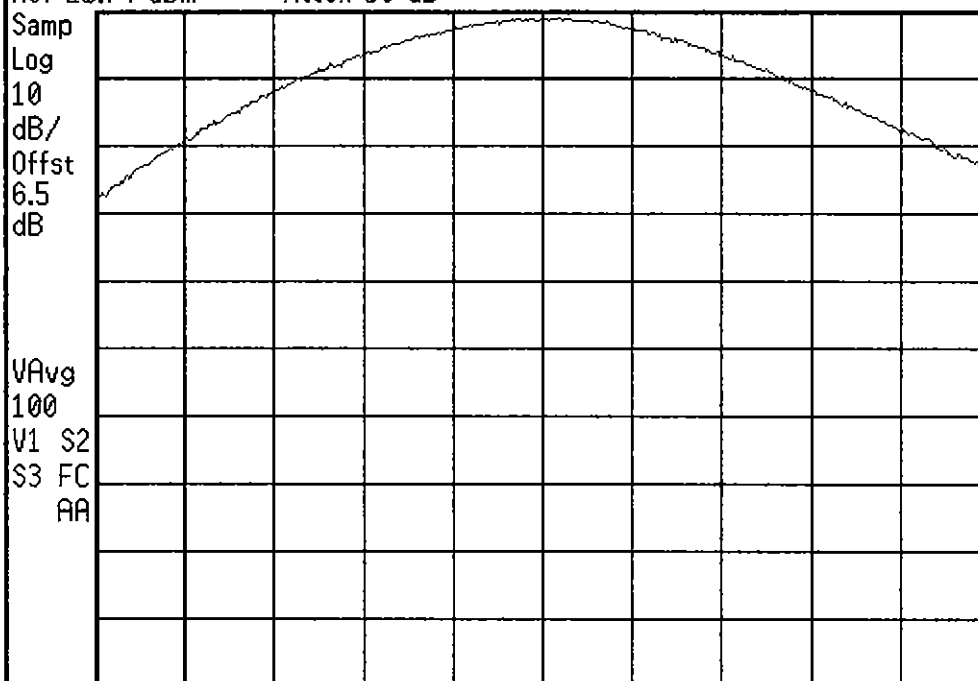
Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent

NOKIA MODEL: 3585i Power Out CDMA Ch. 0384
Ref 25.74 dBm Atten 30 dB



Center 836.5 MHz Span 10 MHz
*Res BW 3 MHz VBW 3 MHz Sweep 4 ms (401 pts)

Freq/Channel

Center Freq

836.520000 MHz

Start Freq

831.520000 MHz

Stop Freq

841.520000 MHz

CF Step

1.00000000 MHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

Scale Type

Log Lin

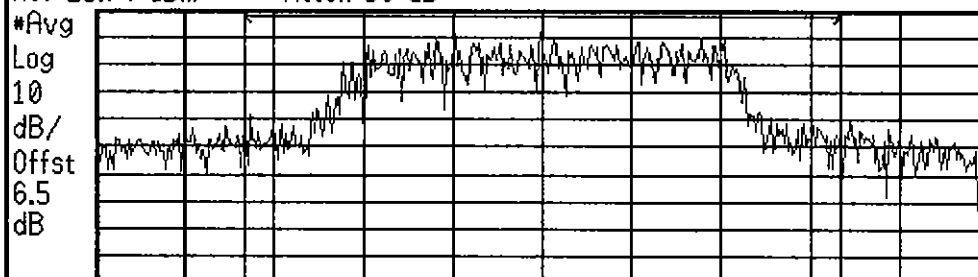
Agilent

Ch Freq 836.52 MHz

Trig Free

Channel Power

NOKIA MODEL: 3585i Power Out CDMA Ch. 0384
Ref 25.74 dBm Atten 30 dB



Center 836.5 MHz Span 3 MHz
Res BW 30 kHz VBW 300 kHz Sweep 8 ms (401 pts)

Freq/Channel

Center Freq

836.520000 MHz

Start Freq

835.020000 MHz

Stop Freq

838.020000 MHz

CF Step

300.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

Scale Type

Log Lin

Channel Power

25.74 dBm /2.0000 MHz

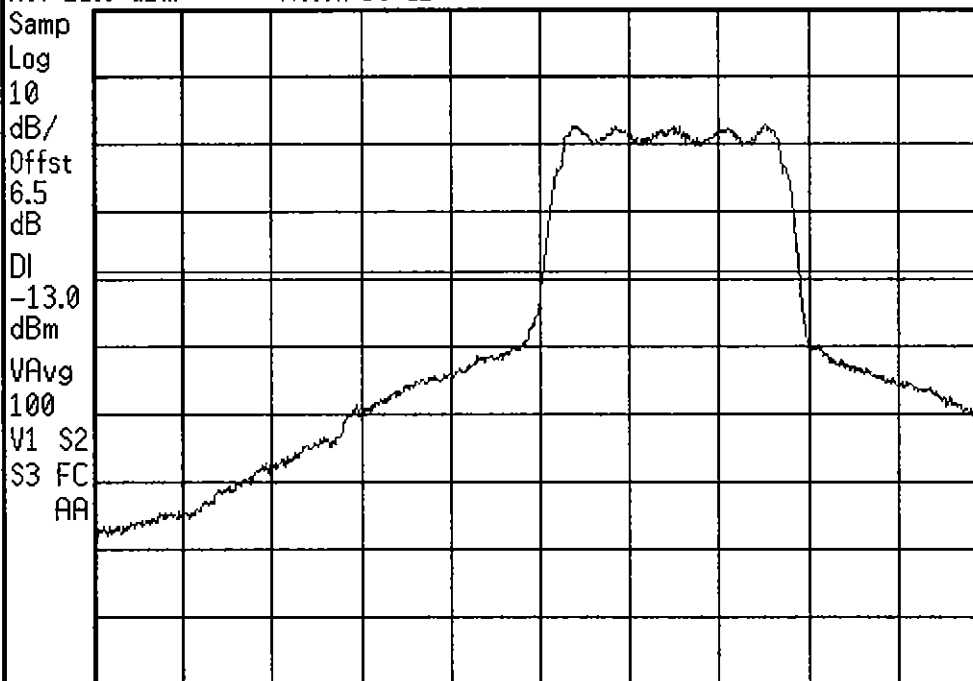
Power Spectral Density

-37.27 dBm/Hz

Agilent

NOKIA MODEL: 3585i Band Edge CDMA Ch. 1013

Ref 25.8 dBm Atten 30 dB



Center 824 MHz

*Res BW 30 kHz

VBW 30 kHz

Sweep 11.32 ms (999 pts)

Span 5 MHz

Freq/Channel

Center Freq

824.000000 MHz

Start Freq

821.500000 MHz

Stop Freq

826.500000 MHz

CF Step

500.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

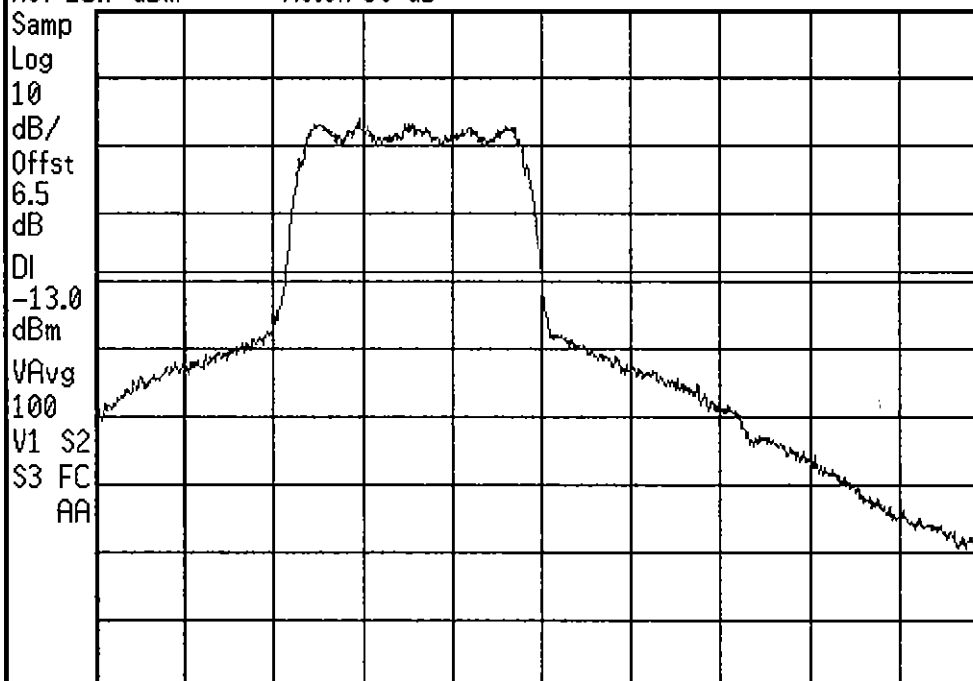
Scale Type

Log Lin

Agilent

NOKIA MODEL: 3585i Band Edge CDMA Ch. 0777

Ref 25.7 dBm Atten 30 dB



Center 849 MHz

*Res BW 30 kHz

VBW 30 kHz

Sweep 11.32 ms (999 pts)

Span 5 MHz

Freq/Channel

Center Freq

849.000000 MHz

Start Freq

846.500000 MHz

Stop Freq

851.500000 MHz

CF Step

500.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

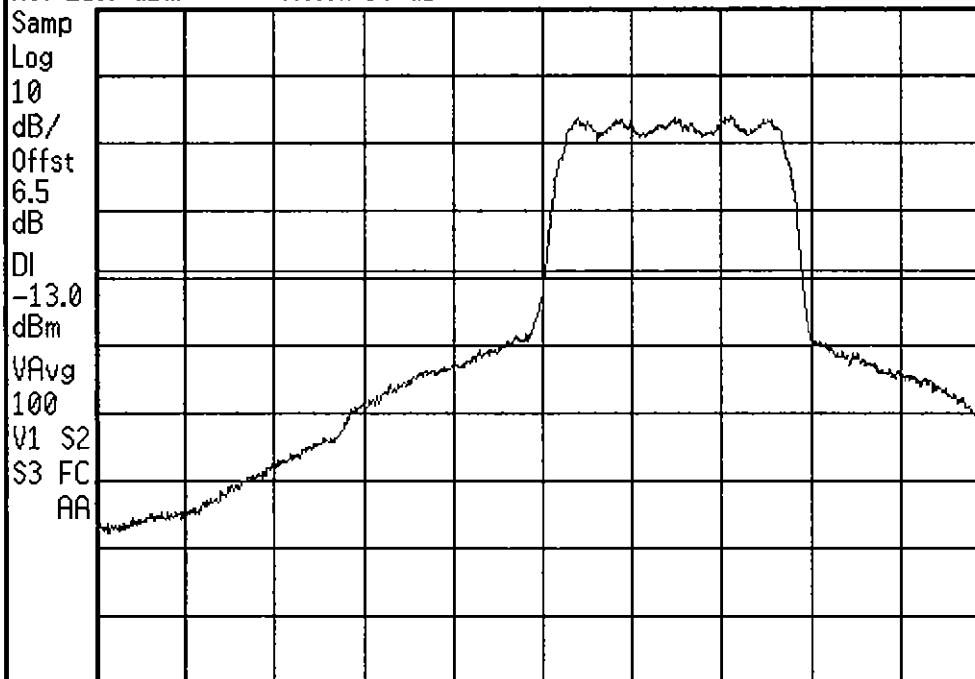
Scale Type

Log Lin

Agilent

NOKIA MODEL: 3585i RC3 CDMA1X CDMA Ch. 1013

Ref 25.8 dBm Atten 30 dB



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

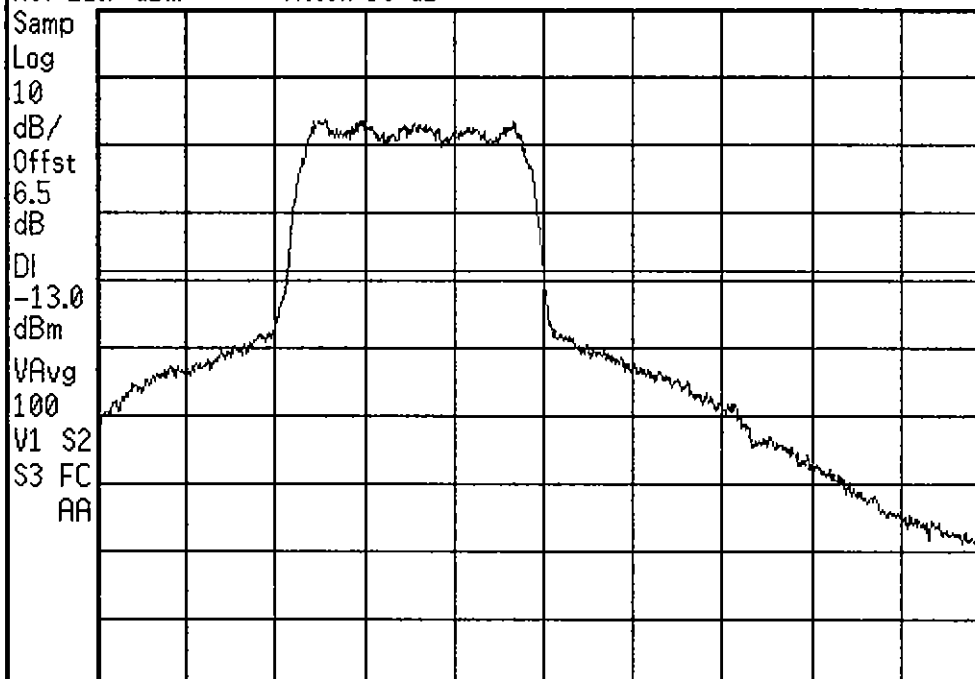
Scale Type

Log Lin

Agilent

NOKIA MODEL: 3585i RC3 CDMA1X CDMA Ch. 0777

Ref 25.7 dBm Atten 30 dB



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

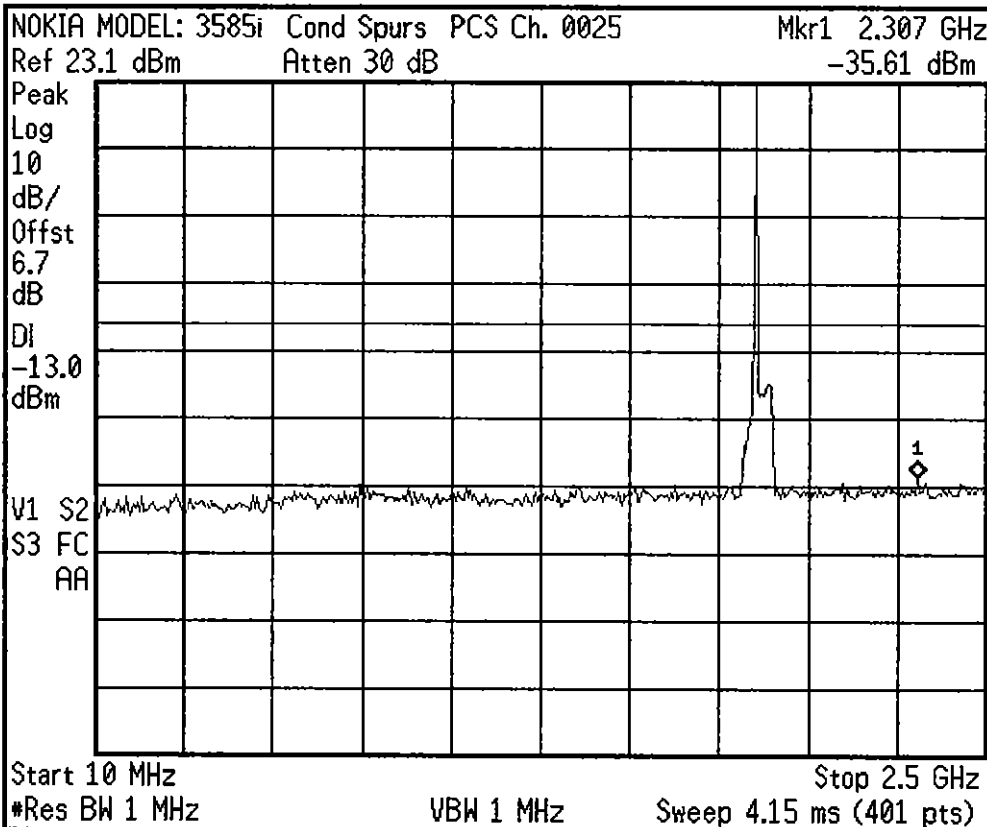
Signal Track

On Off

Scale Type

Log Lin

Agilent



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

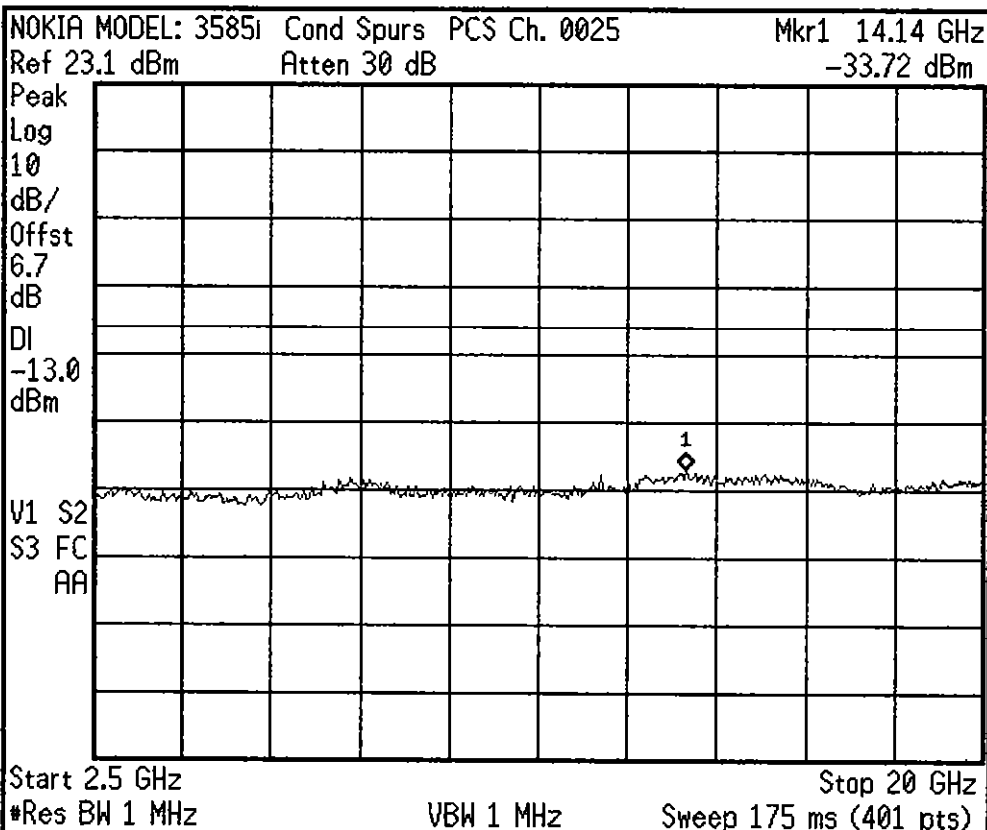
CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Peak Search

Meas Tools

Next Peak

Next Pk Right

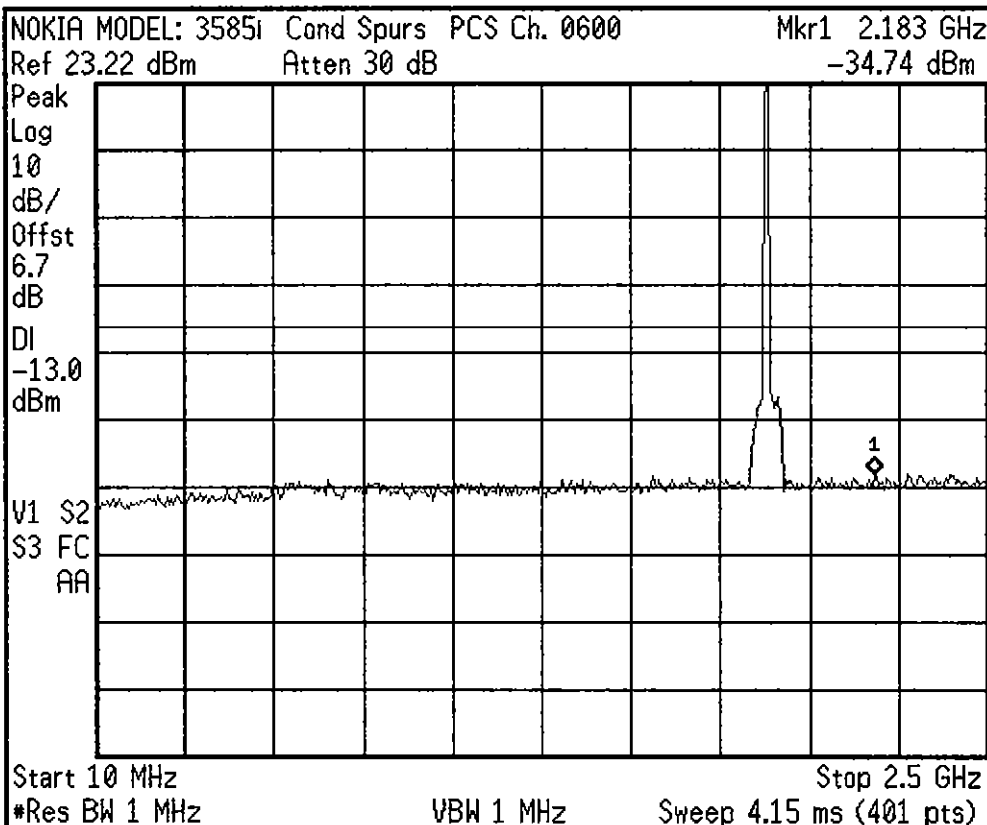
Next Pk Left

Min Search

Pk-Pk Search

More
 1 of 2

* Agilent



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

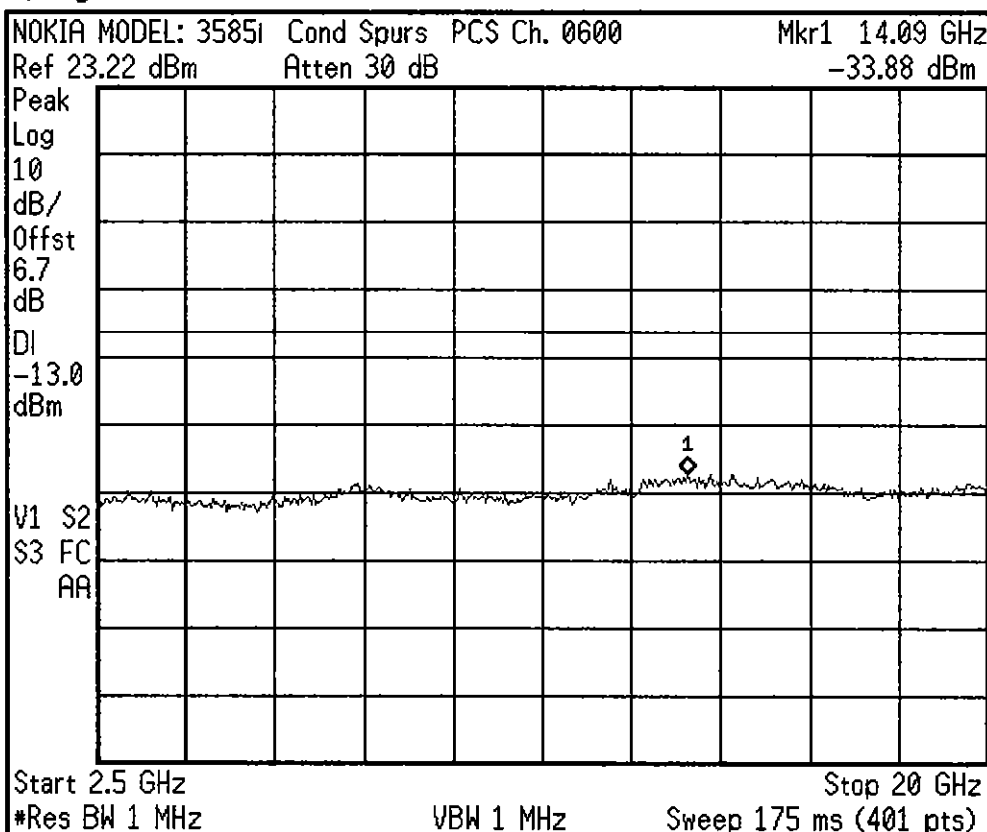
CF Step
 249.000000 MHz
 Auto Man

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

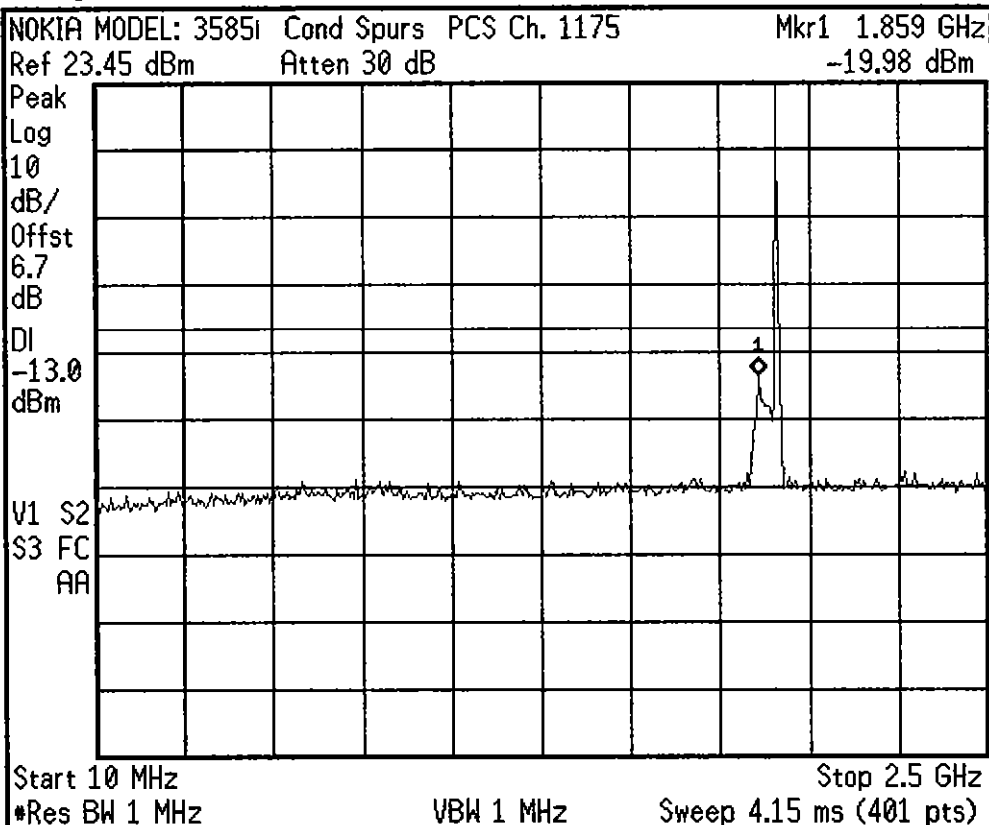
CF Step
 1.75000000 GHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

Stop Freq
 2.50000000 GHz

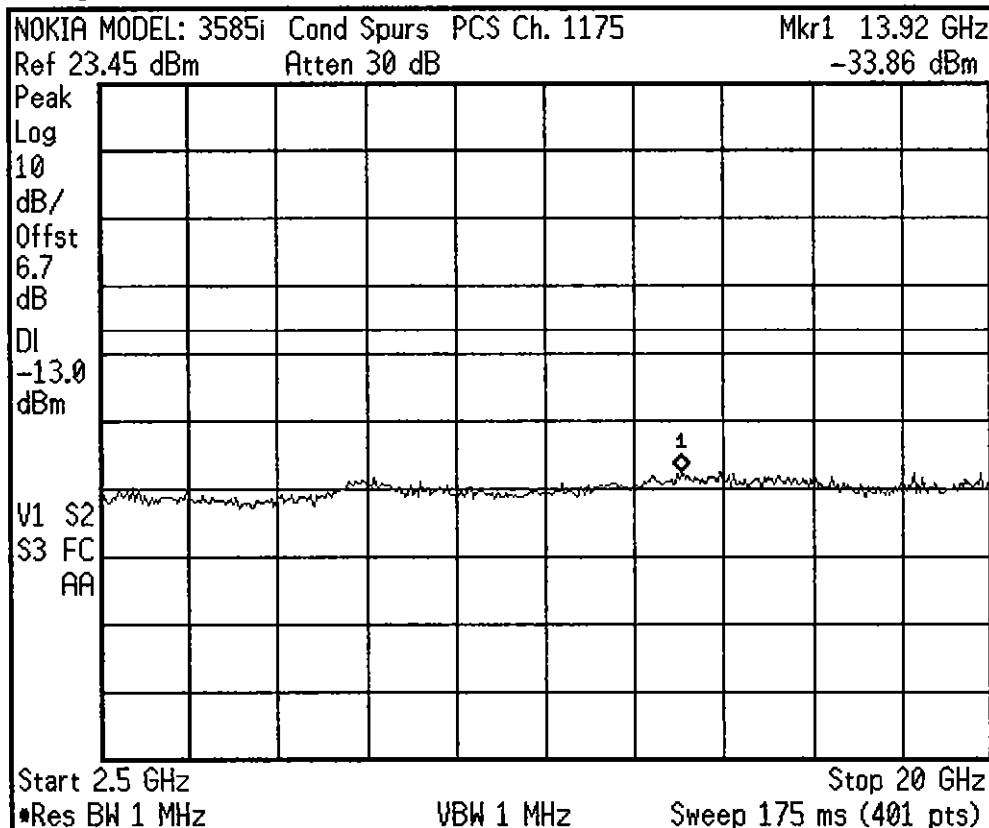
CF Step
 249.000000 MHz
 Auto Man

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

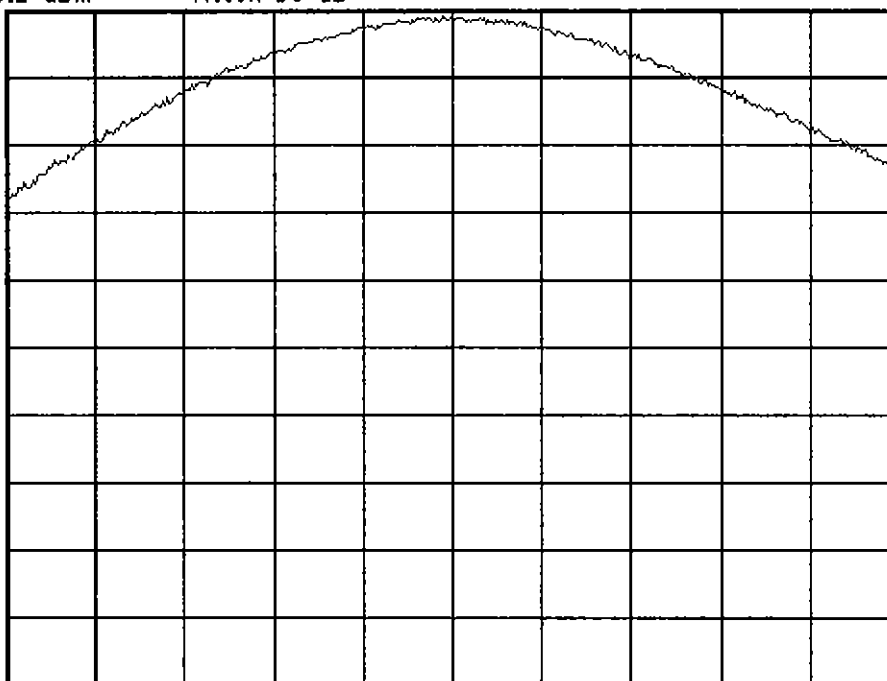
Scale Type
 Log Lin

✱ Agilent

NOKIA MODEL: 3585i Power Out PCS Ch. 0025
Ref 23.1 dBm Atten 30 dB

Samp
Log
10
dB/
Offst
6.7
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.851 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 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

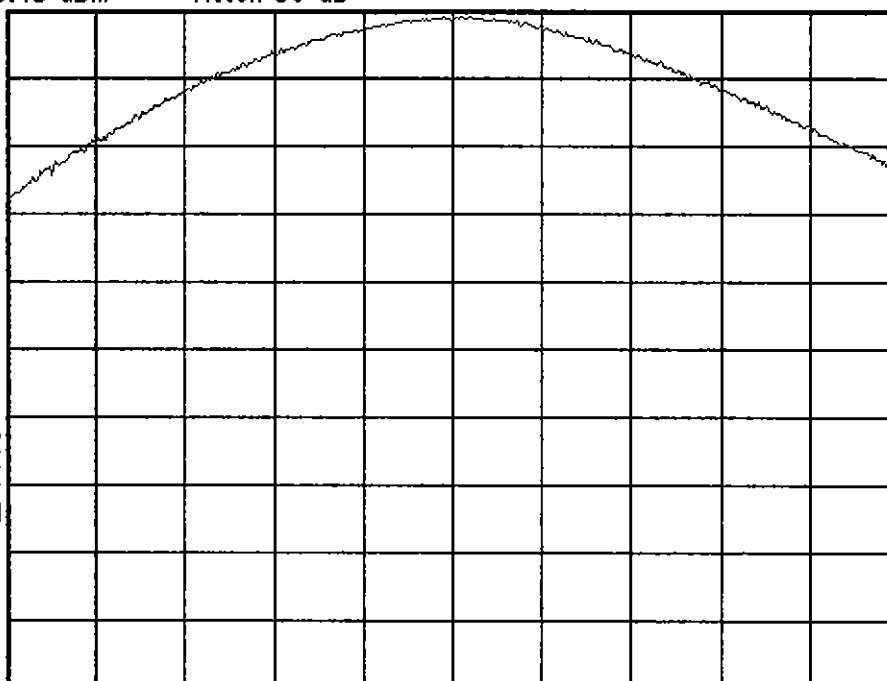
Log Lin

✱ Agilent

NOKIA MODEL: 3585i Power Out PCS Ch. 1175
Ref 23.45 dBm Atten 30 dB

Samp
Log
10
dB/
Offst
6.7
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.909 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 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

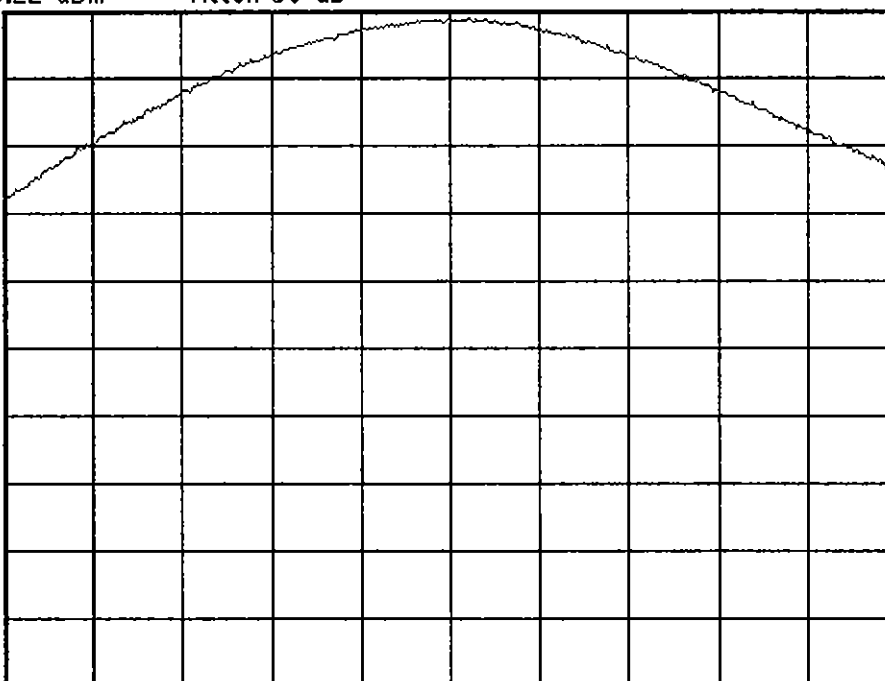
Log Lin

Agilent

NOKIA MODEL: 3585i Power Out PCS Ch. 0600
Ref 23.22 dBm Atten 30 dB

Samp
Log
10
dB/
Offst
6.7
dB

VAvg
100
V1 S2
S3 FC
AA



Center 1.88 GHz

*Res BW 3 MHz

VBW 3 MHz

Span 10 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

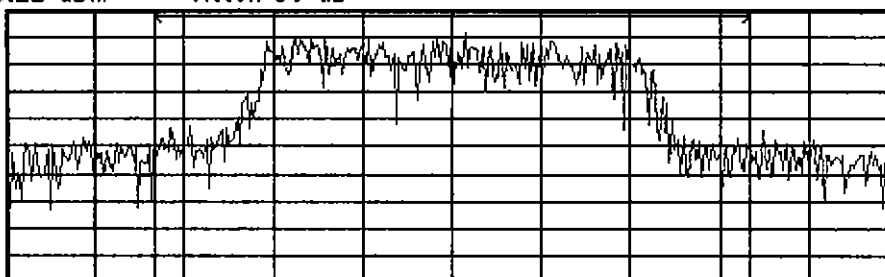
Ch Freq 1.88 GHz

Trig Free

Channel Power

NOKIA MODEL: 3585i Power Out PCS Ch. 0600
Ref 23.22 dBm Atten 30 dB

*Avg
Log
10
dB/
Offst
6.7
dB



Center 1.88 GHz

Res BW 30 kHz

VBW 300 kHz

Span 3 MHz
Sweep 8 ms (401 pts)

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

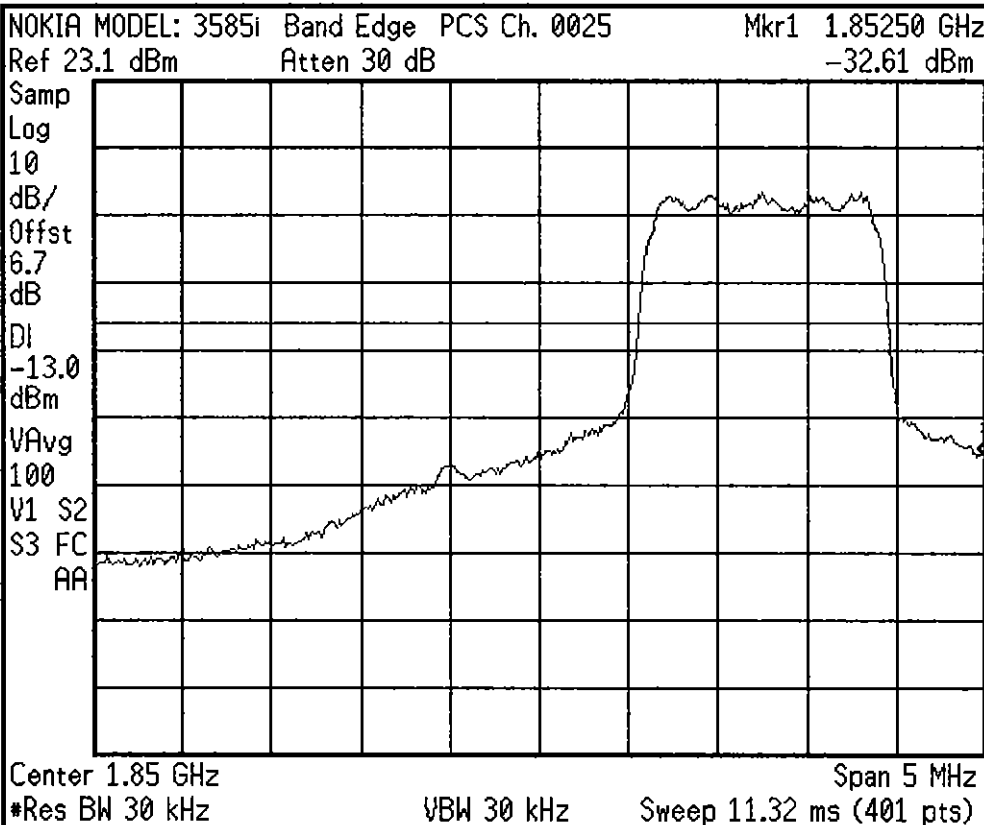
Channel Power

23.23 dBm /2.0000 MHz

Power Spectral Density

-39.78 dBm/Hz

Agilent



Freq/Channel

Center Freq
1.85000000 GHz

Start Freq
1.84750000 GHz

Stop Freq
1.85250000 GHz

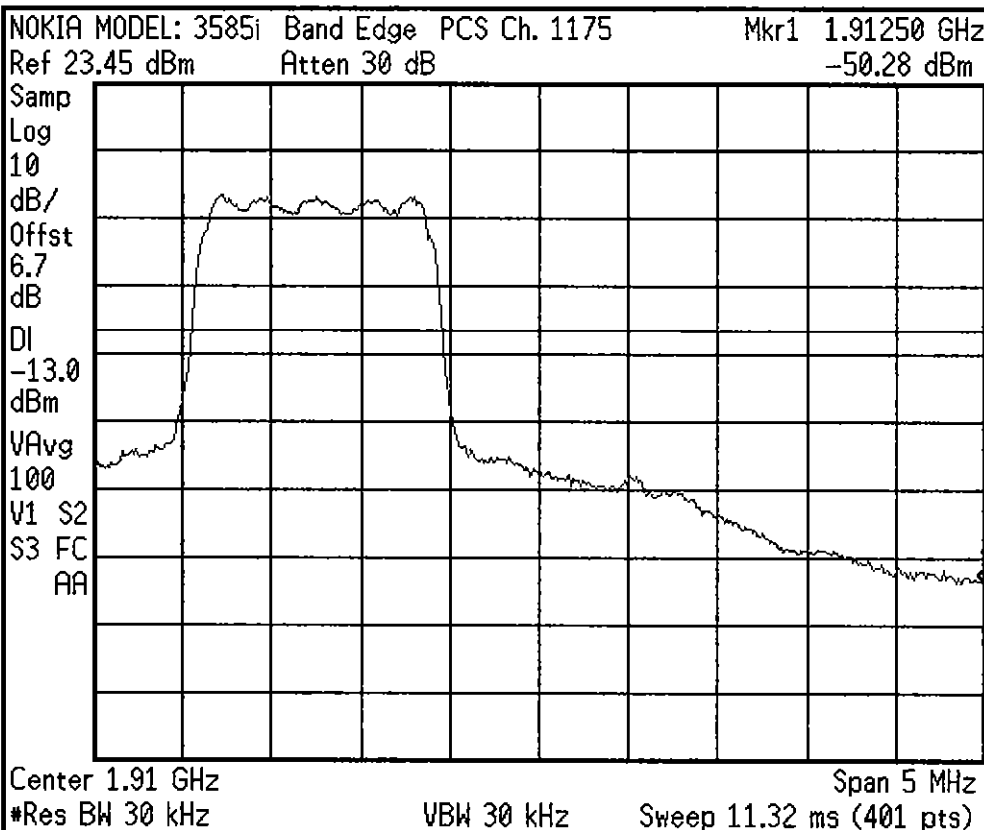
CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent



Freq/Channel

Center Freq
1.91000000 GHz

Start Freq
1.90750000 GHz

Stop Freq
1.91250000 GHz

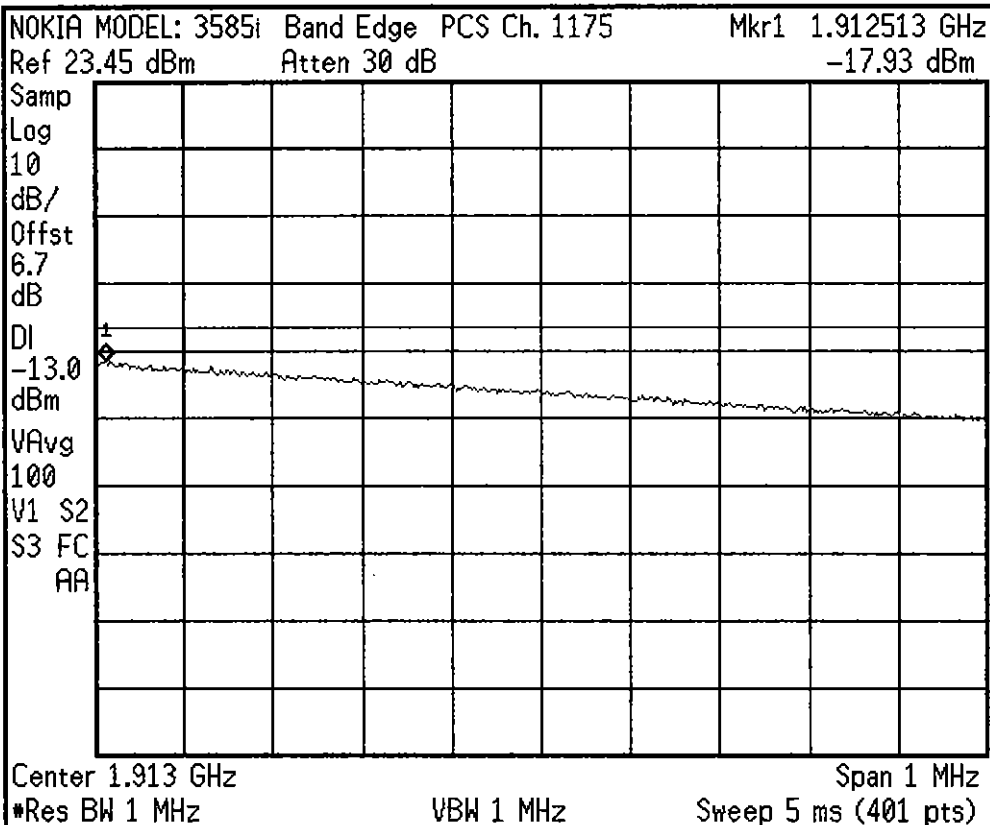
CF Step
500.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent



Freq/Channel

Center Freq
 1.91300000 GHz

Start Freq
 1.91250000 GHz

Stop Freq
 1.91350000 GHz

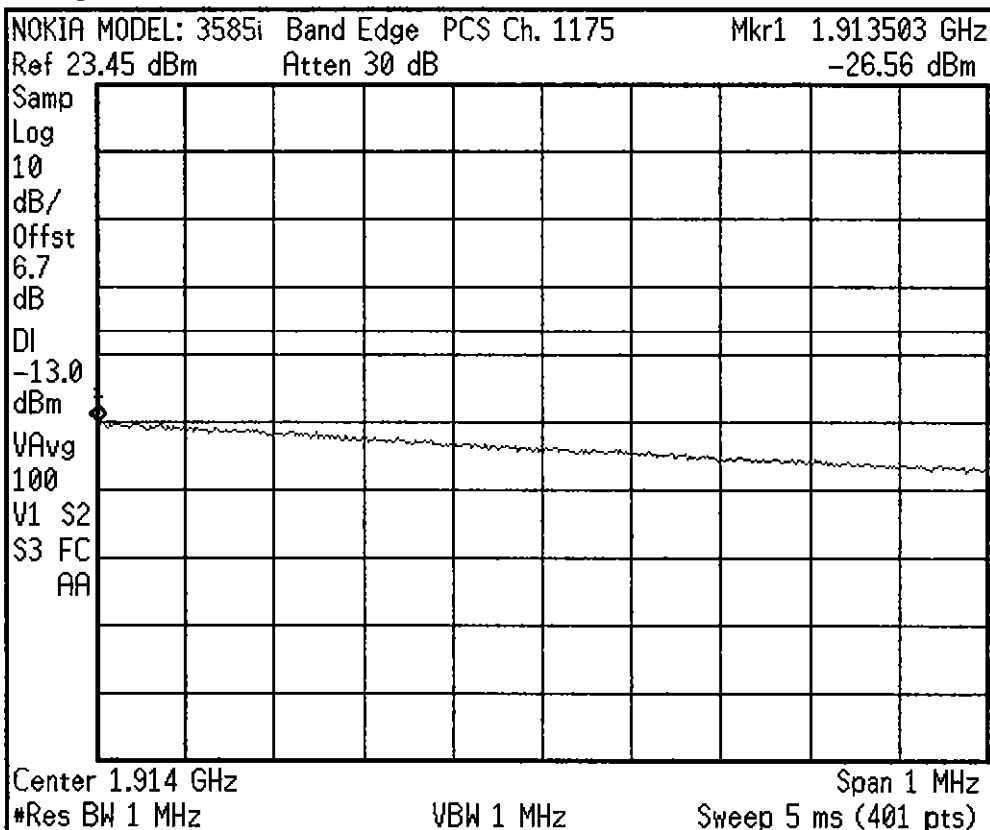
CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Freq/Channel

Center Freq
 1.91400000 GHz

Start Freq
 1.91350000 GHz

Stop Freq
 1.91450000 GHz

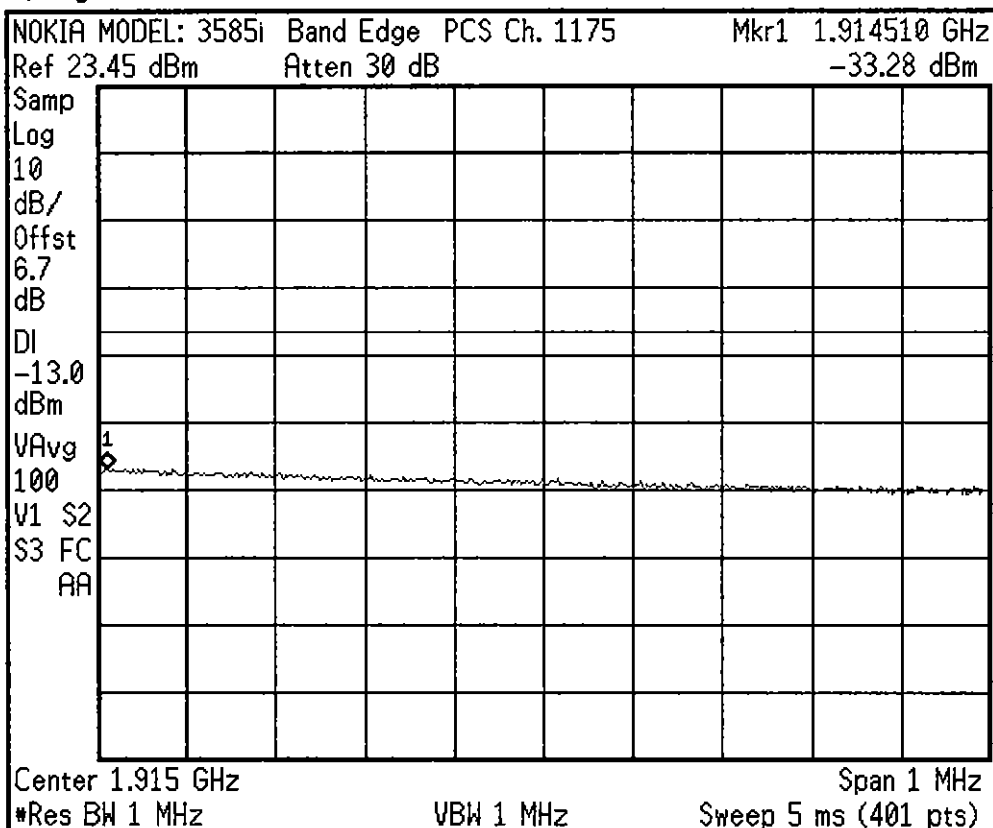
CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

✱ Agilent



Freq/Channel

Center Freq
 1.91500000 GHz

Start Freq
 1.91450000 GHz

Stop Freq
 1.91550000 GHz

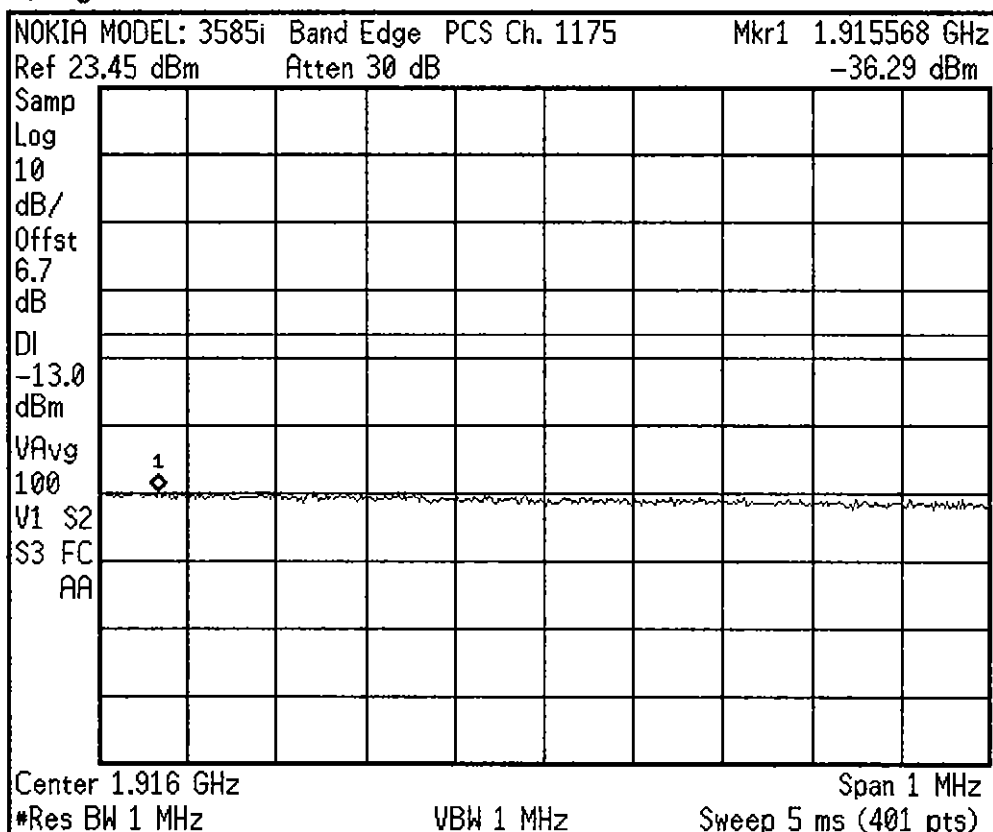
CF Step
 100.000000 kHz
 Auto Man

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

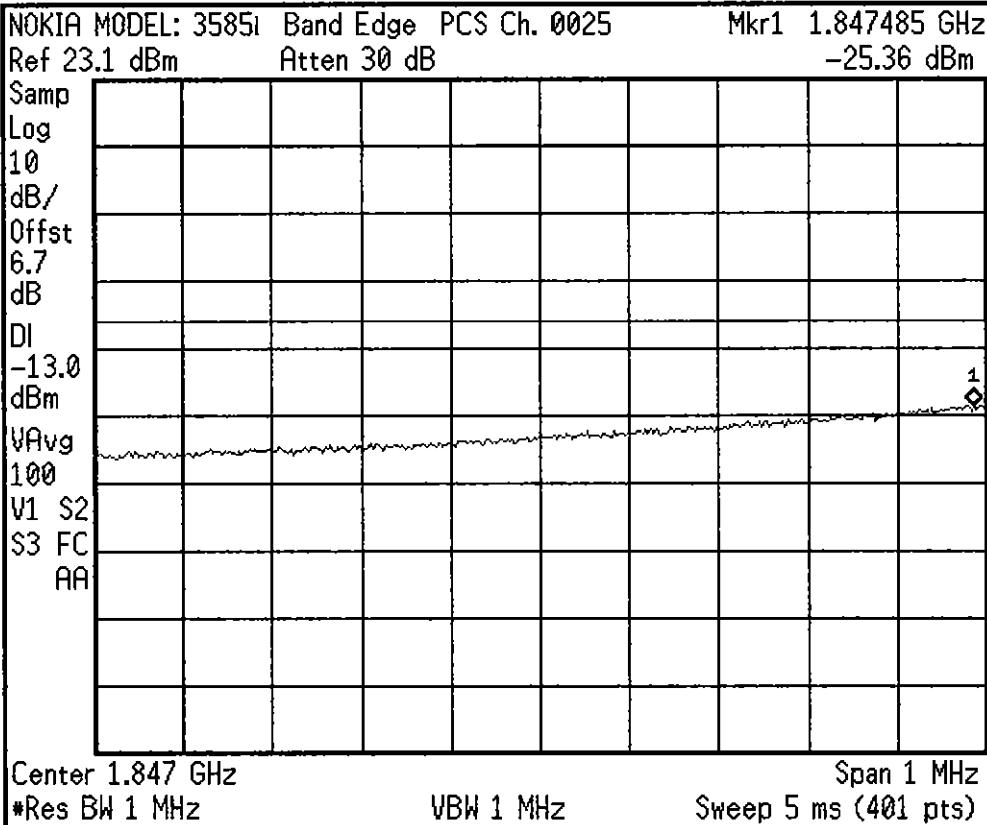
CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Freq/Channel

Center Freq
 1.84700000 GHz

Start Freq
 1.84650000 GHz

Stop Freq
 1.84750000 GHz

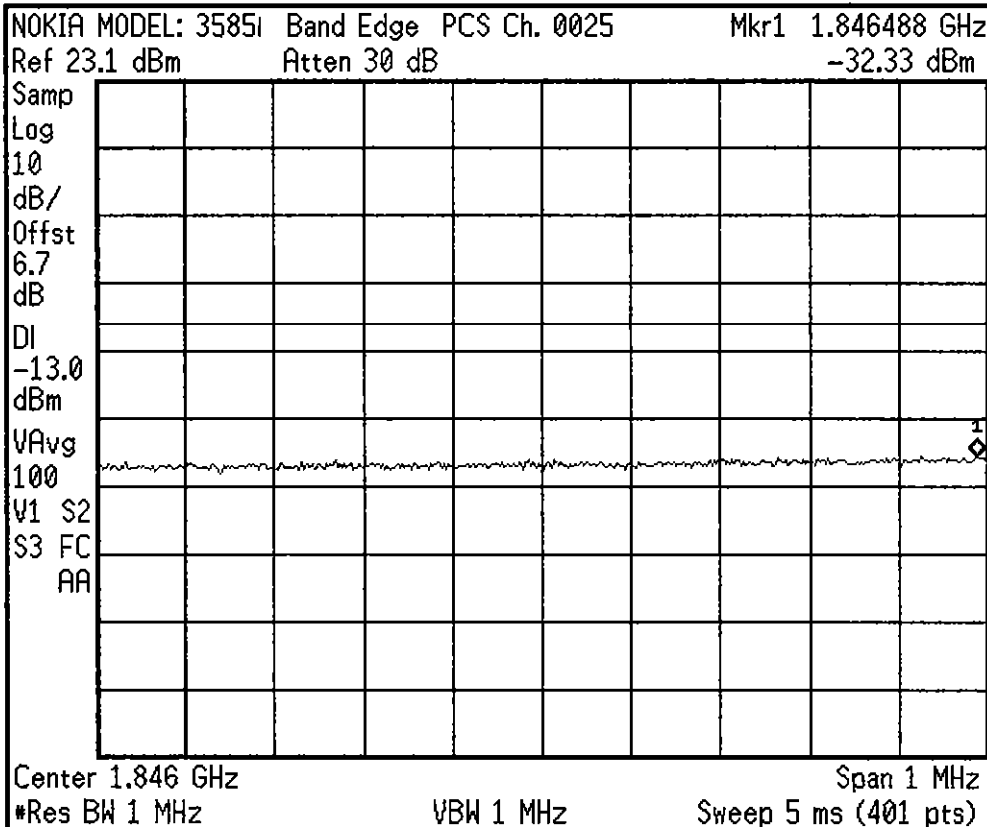
CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Freq/Channel

Center Freq
 1.84600000 GHz

Start Freq
 1.84550000 GHz

Stop Freq
 1.84650000 GHz

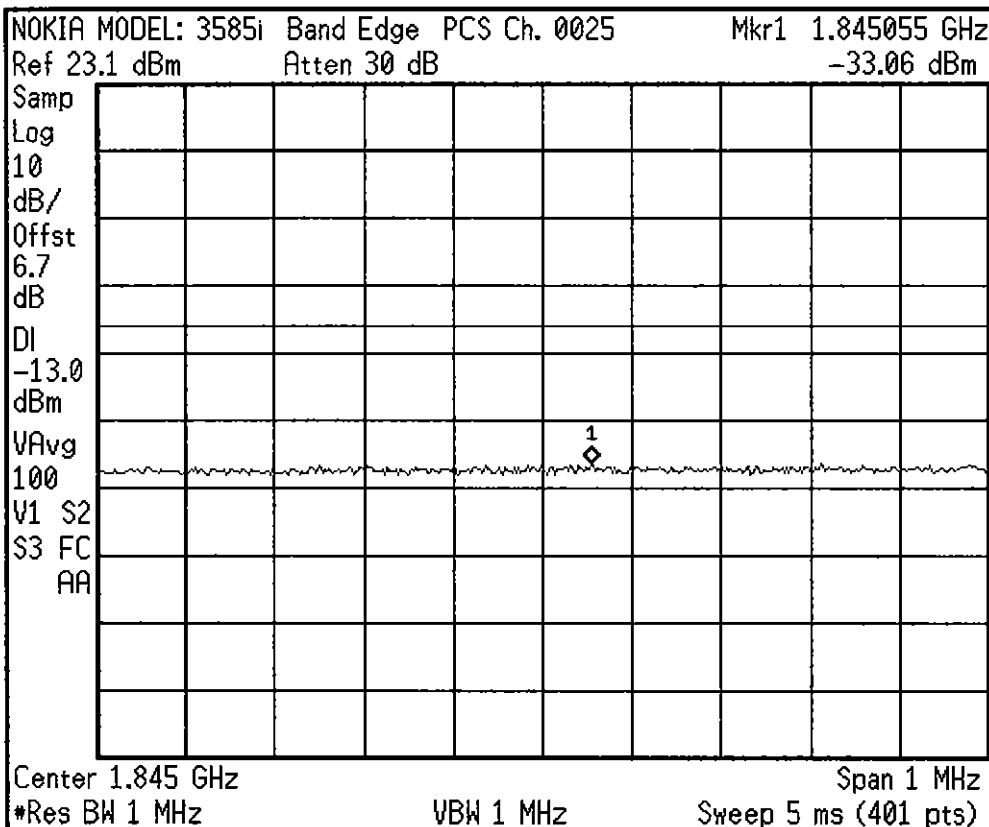
CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



Freq/Channel

Center Freq
 1.84500000 GHz

Start Freq
 1.84450000 GHz

Stop Freq
 1.84550000 GHz

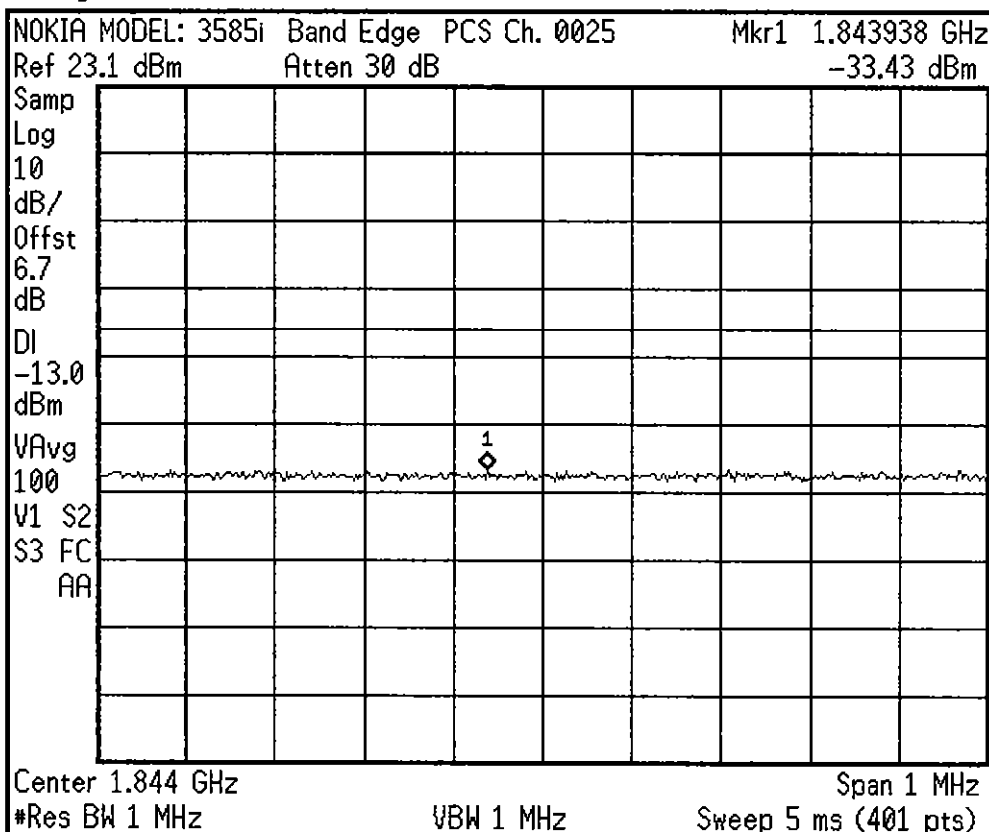
CF Step
 100.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

Scale Type
 Log Lin

Agilent



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

NOKIA MODEL: 3585i RC3 CDMA1X PCS Ch. 0025

Ref 23.1 dBm Atten 30 dB

Samp

Log

10

dB/

Offst

6.7

dB

DI

-13.0

dBm

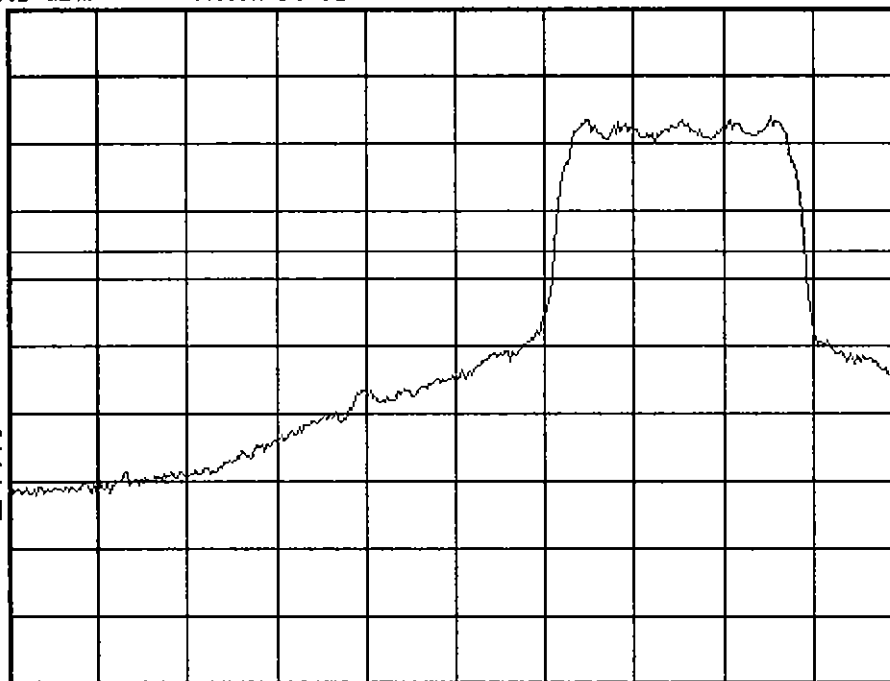
VAvg

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

1.8500000 GHz

Start Freq

1.8475000 GHz

Stop Freq

1.8525000 GHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.0000000 Hz

Signal Track

On

Off

Scale Type

Log

Lin

Agilent

NOKIA MODEL: 3585i RC3 CDMA1X PCS Ch. 1175

Ref 23.45 dBm Atten 30 dB

Samp

Log

10

dB/

Offst

6.7

dB

DI

-13.0

dBm

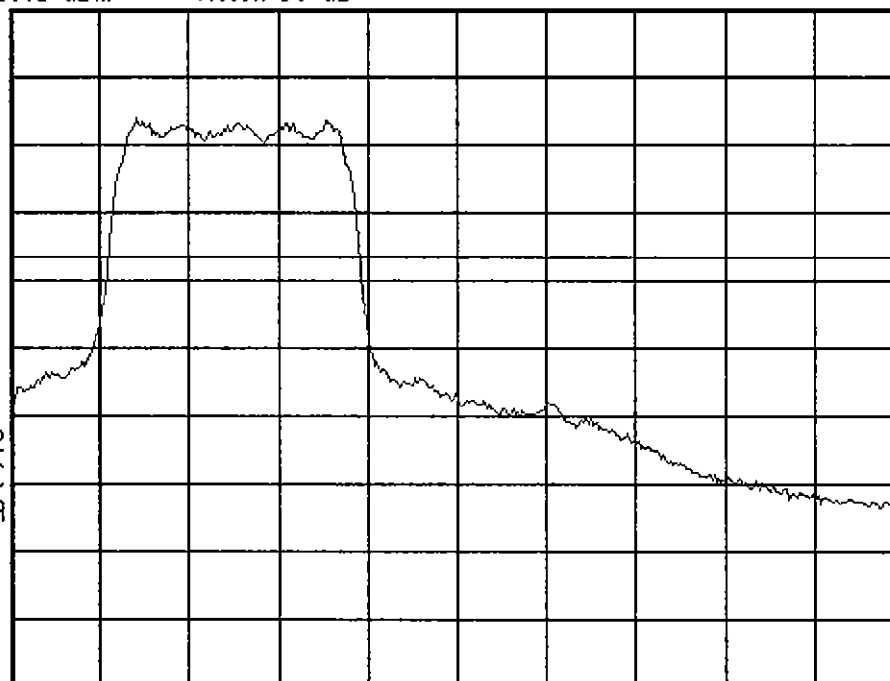
VAvg

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

1.9100000 GHz

Start Freq

1.9075000 GHz

Stop Freq

1.9125000 GHz

CF Step

500.000000 kHz

Auto

Man

Freq Offset

0.0000000 Hz

Signal Track

On

Off

Scale Type

Log

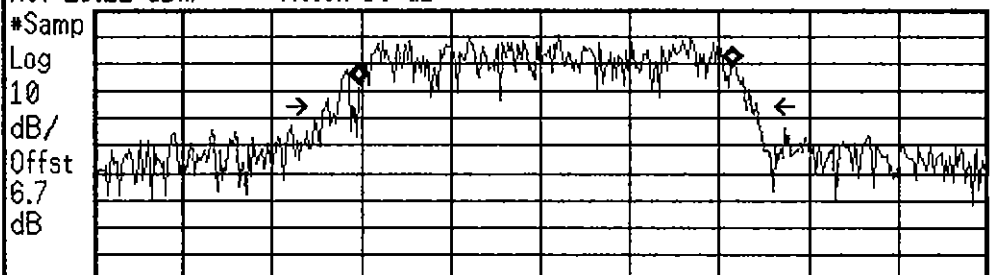
Lin

✱ Agilent

Ch Freq 1.88 GHz		Trig Free
Occupied Bandwidth		

NOKIA MODEL: 3585i RC3 CDMA1X PCS Ch. 0600

Ref 23.22 dBm Atten 30 dB



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

Occupied Bandwidth	Occ BW % Pwr	99.00 %
1.2530 MHz	x dB	-26.00 dB
Transmit Freq Error	21.741 kHz	
x dB Bandwidth	1.446 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