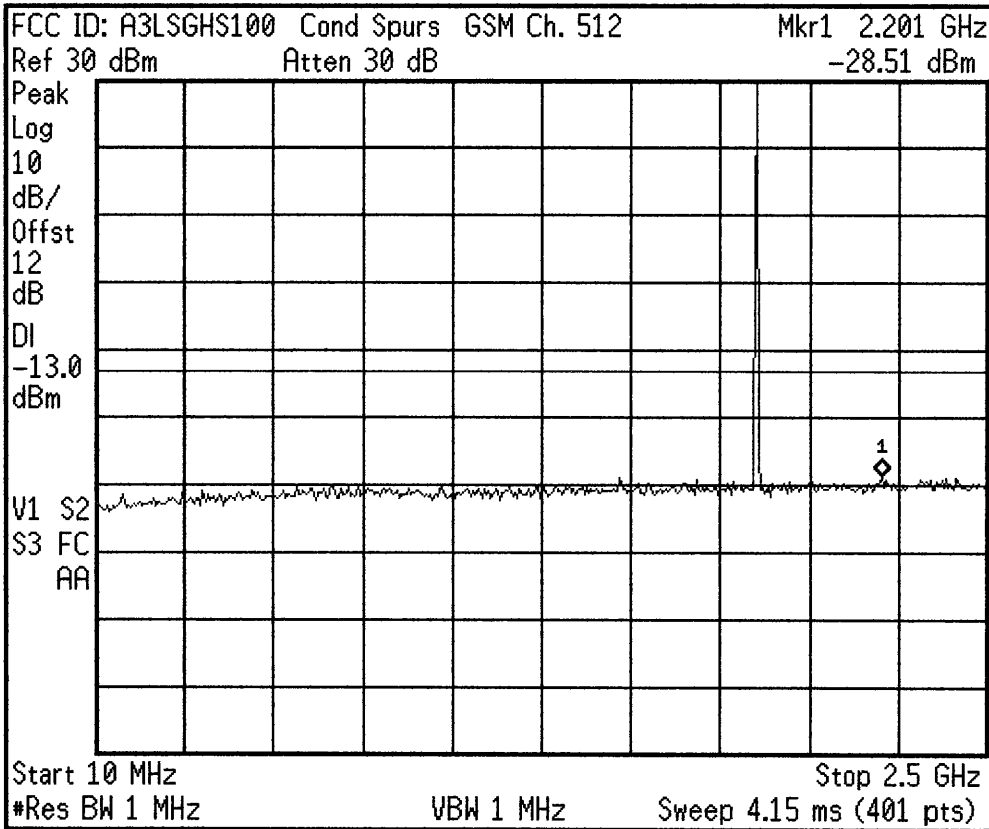


* Agilent



Freq/Channel

Center Freq
1.25500000 GHz

Start Freq
10.0000000 MHz

Stop Freq
2.50000000 GHz

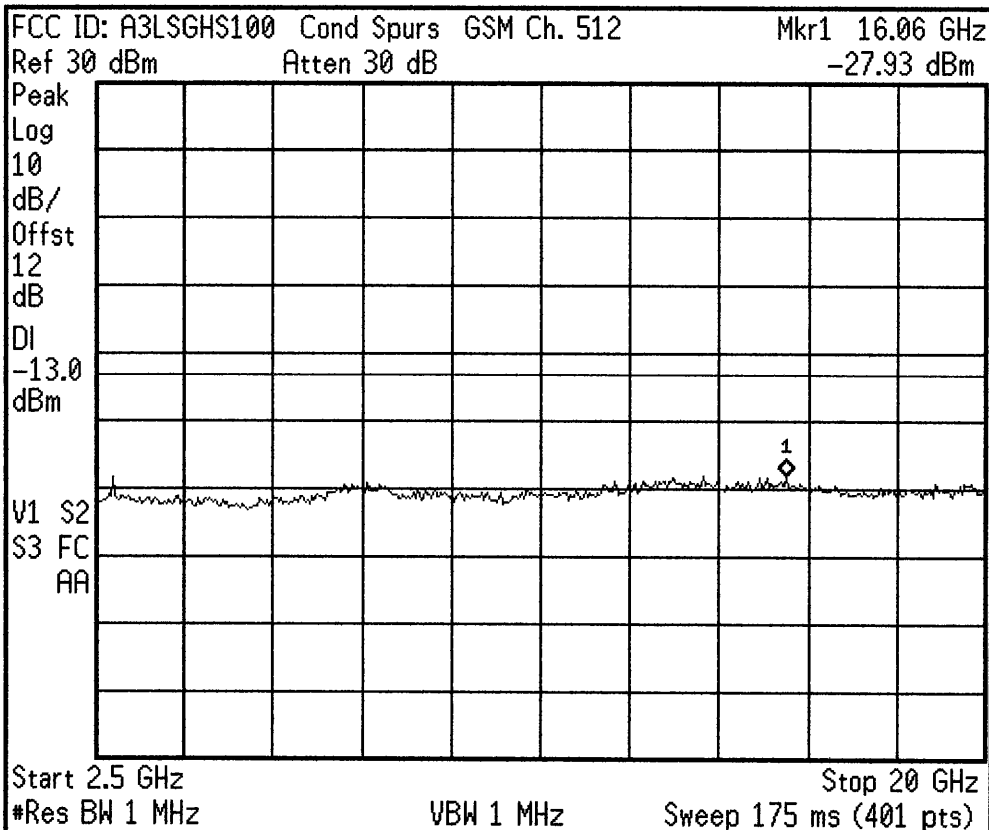
CF Step
249.000000 MHz
Auto Man

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

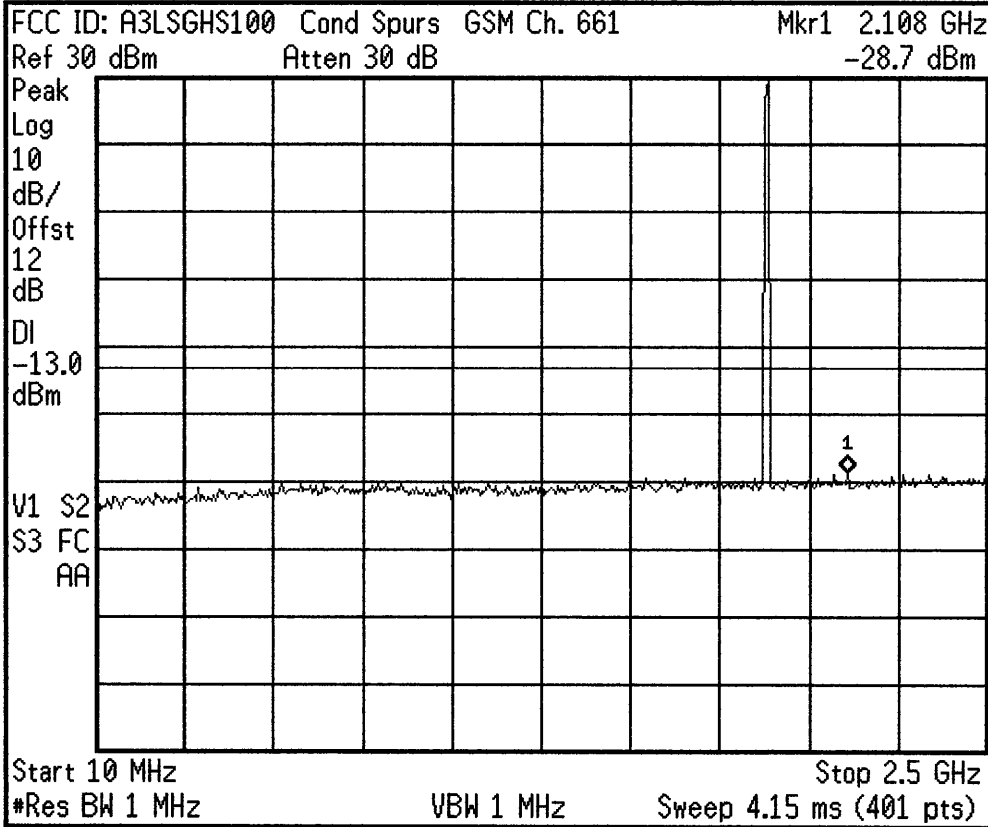
CF Step
1.75000000 GHz
Auto Man

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

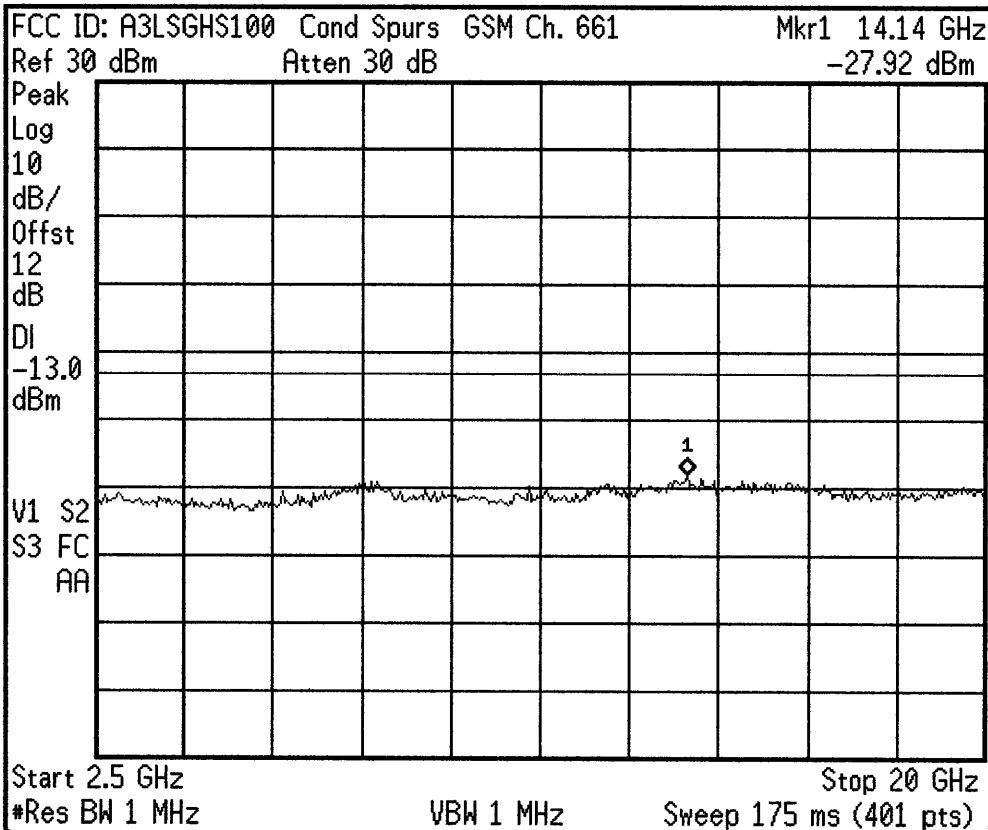
CF Step
249.000000 MHz
Auto Man

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

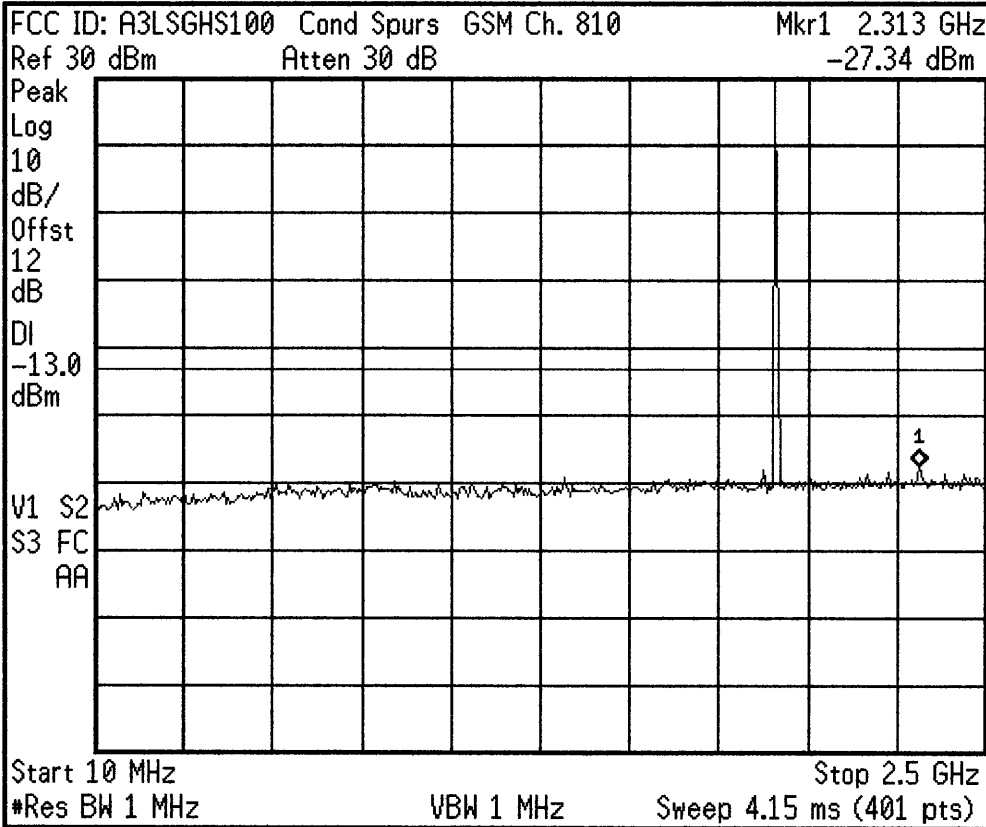
CF Step
1.75000000 GHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent



Freq/Channel

Center Freq
1.25500000 GHz

Start Freq
10.0000000 MHz

Stop Freq
2.50000000 GHz

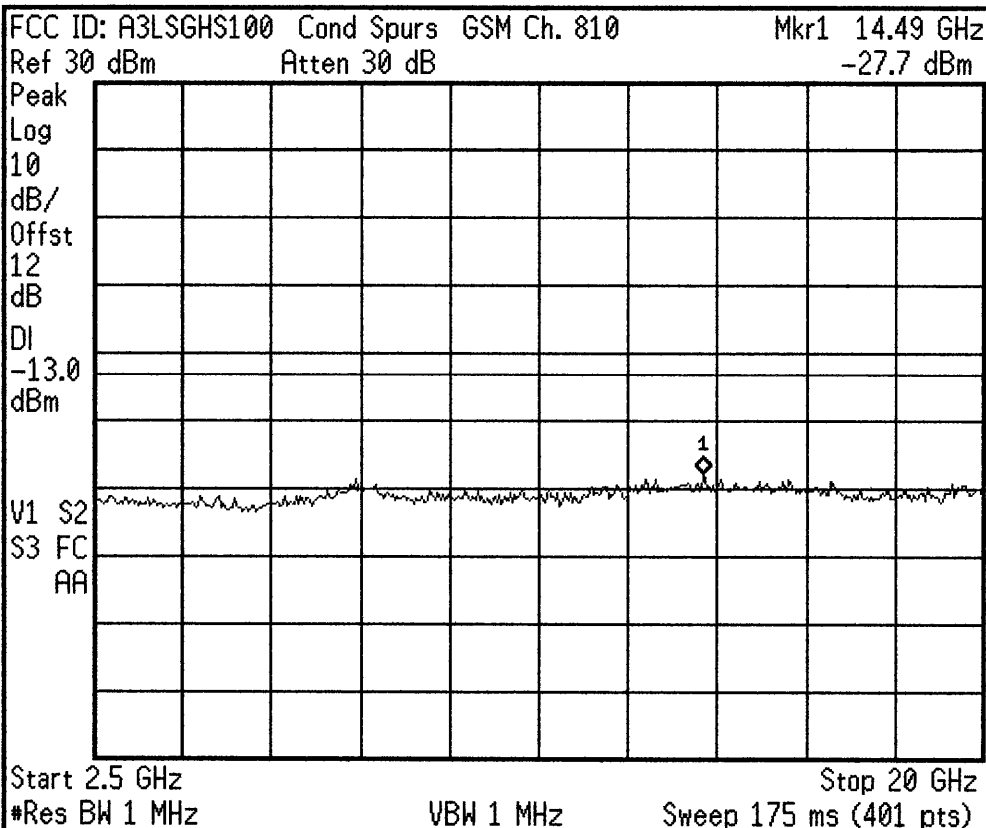
CF Step
249.000000 MHz
Auto Man

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

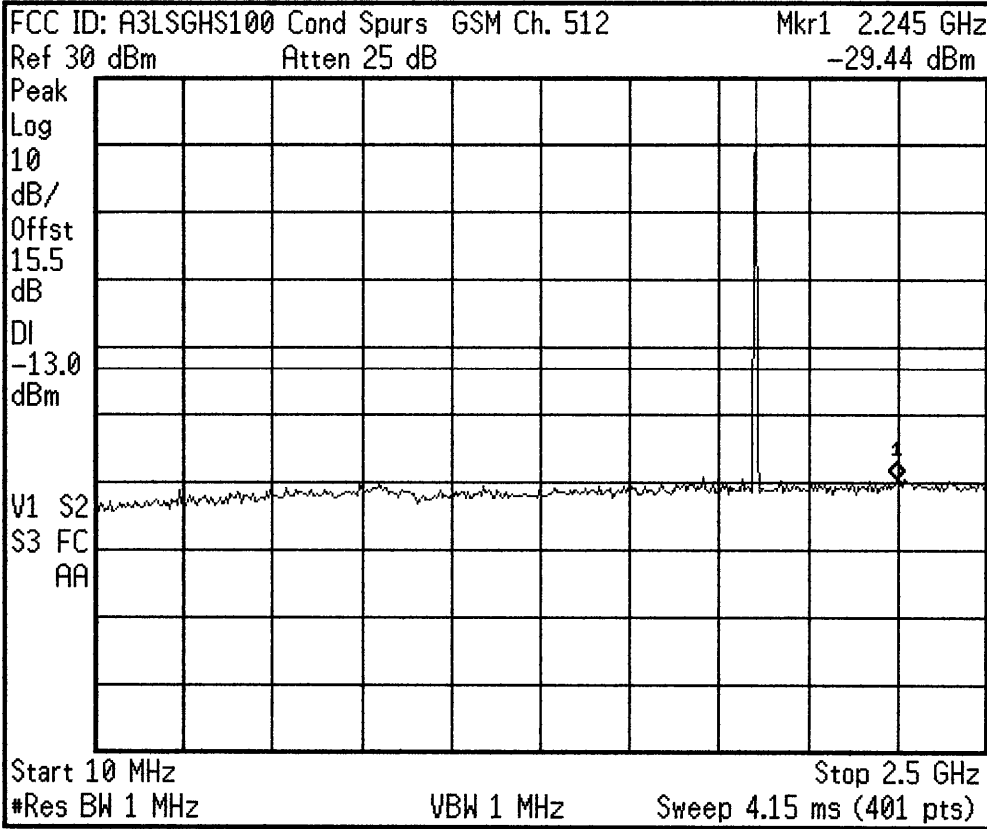
CF Step
1.75000000 GHz
Auto Man

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

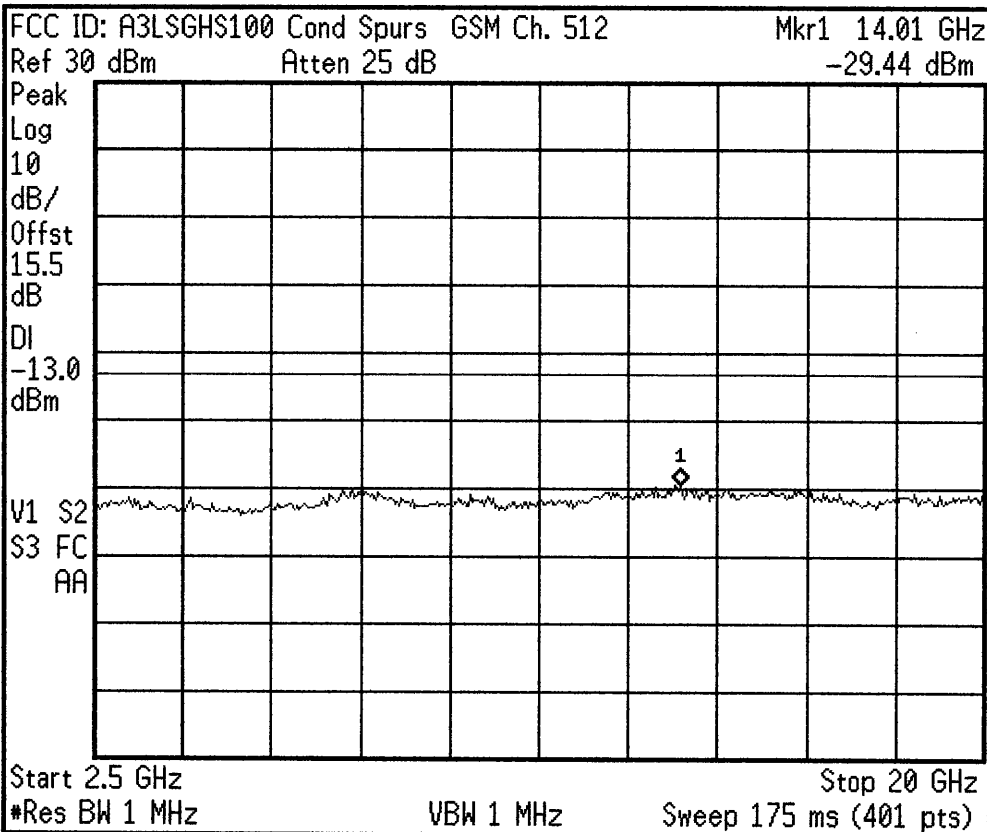
CF Step
249.000000 MHz
Auto Man

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

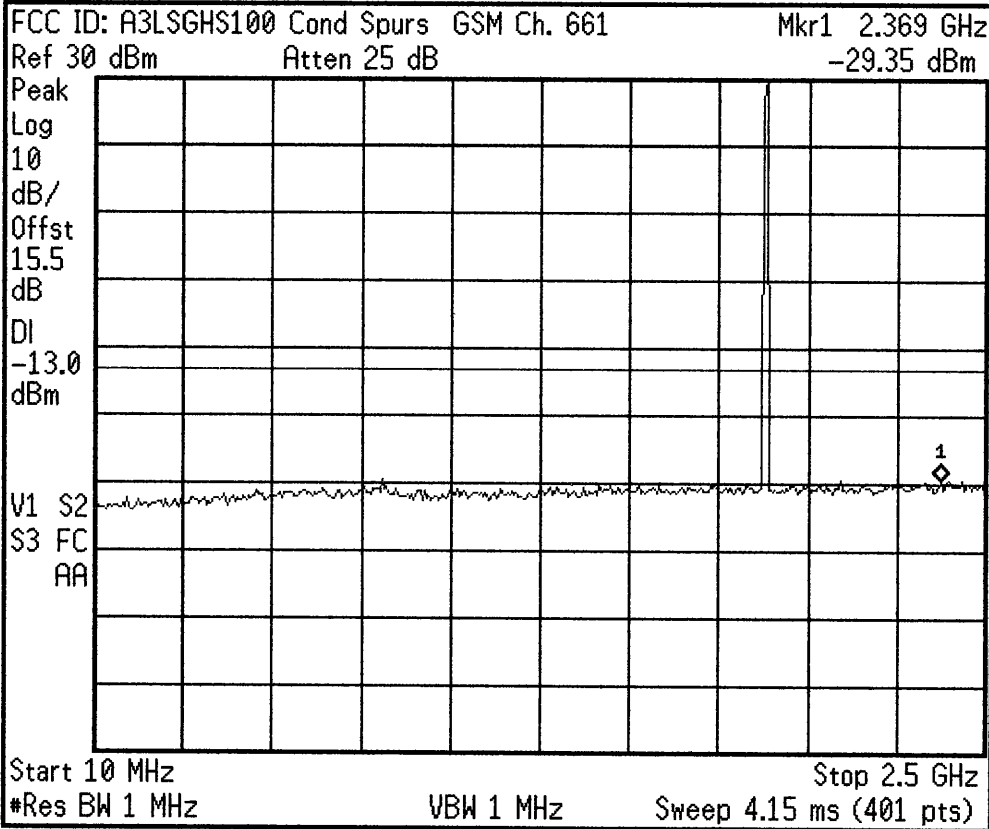
CF Step
1.75000000 GHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

* Agilent



Freq/Channel

Center Freq
1.25500000 GHz

Start Freq
10.0000000 MHz

Stop Freq
2.50000000 GHz

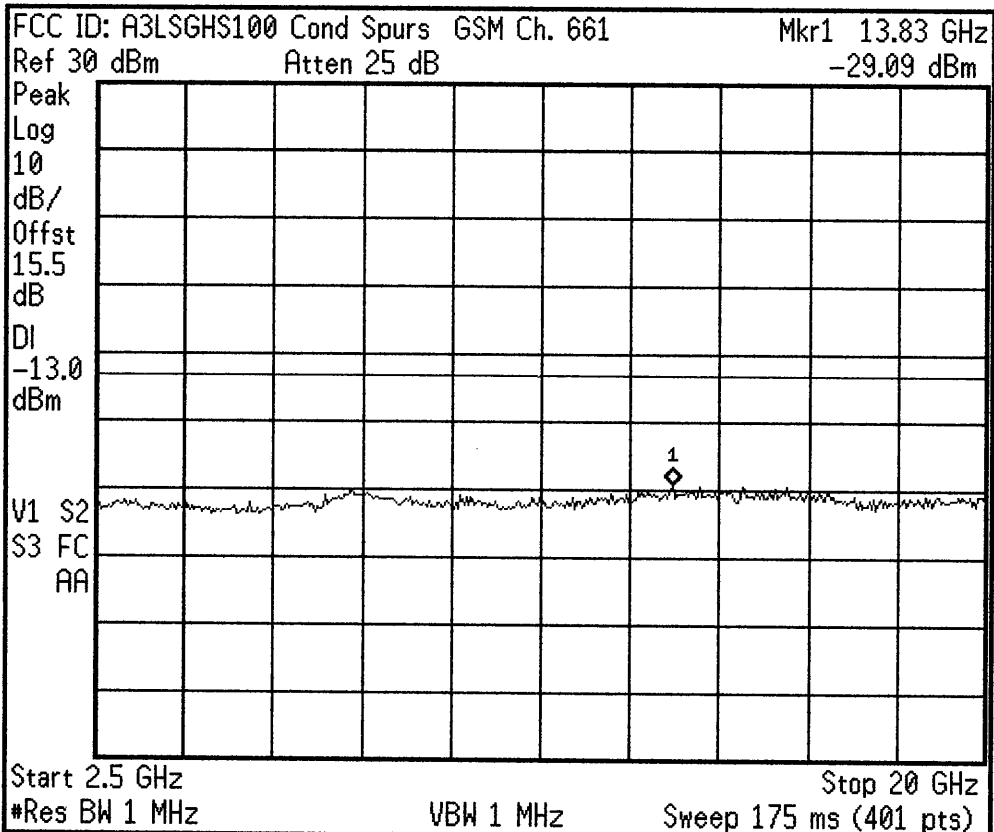
CF Step
249.000000 MHz
Auto Man

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

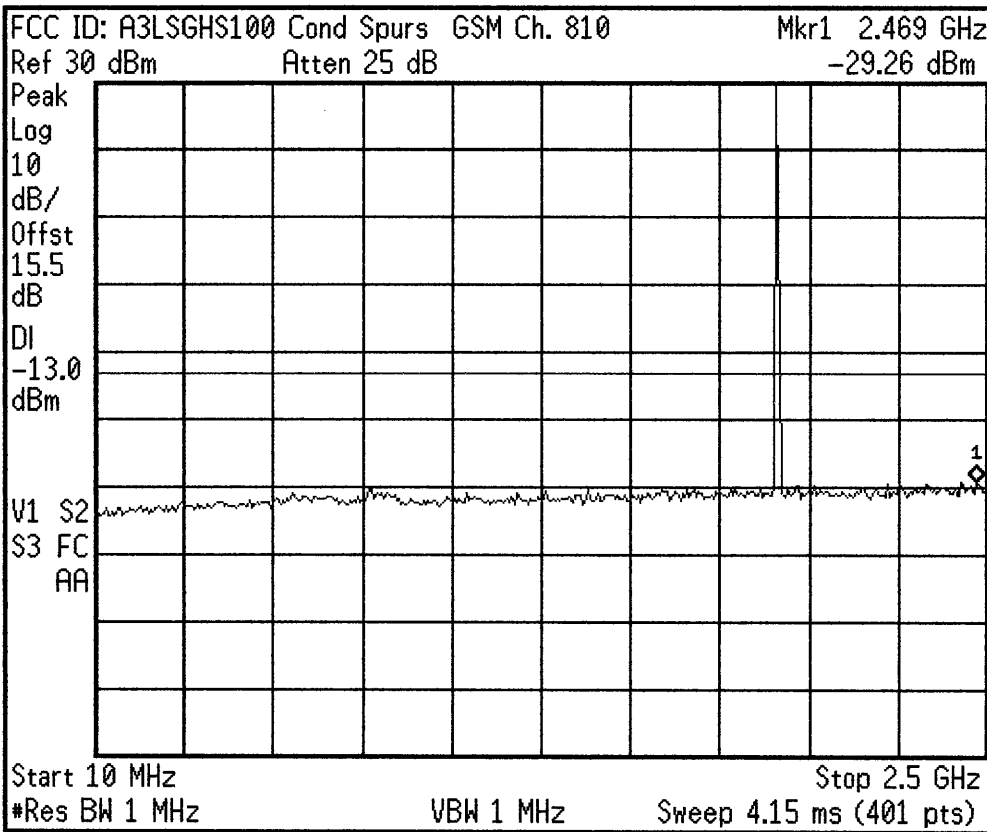
CF Step
1.75000000 GHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

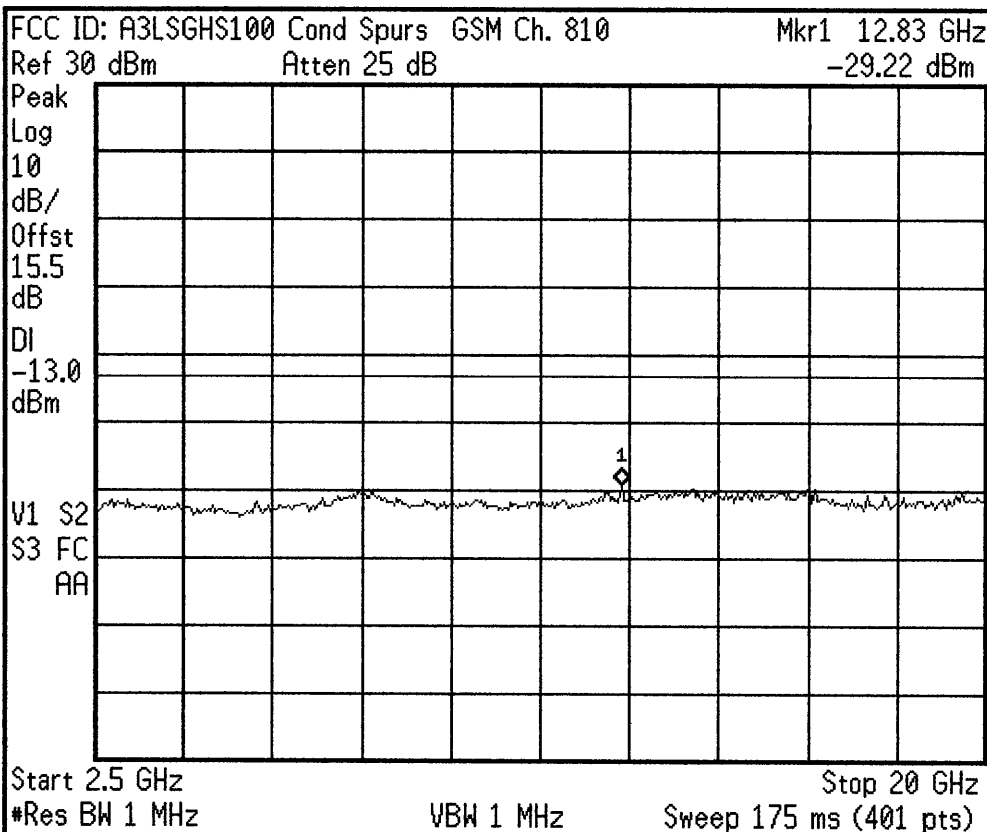
Scale Type
Log Lin

Agilent



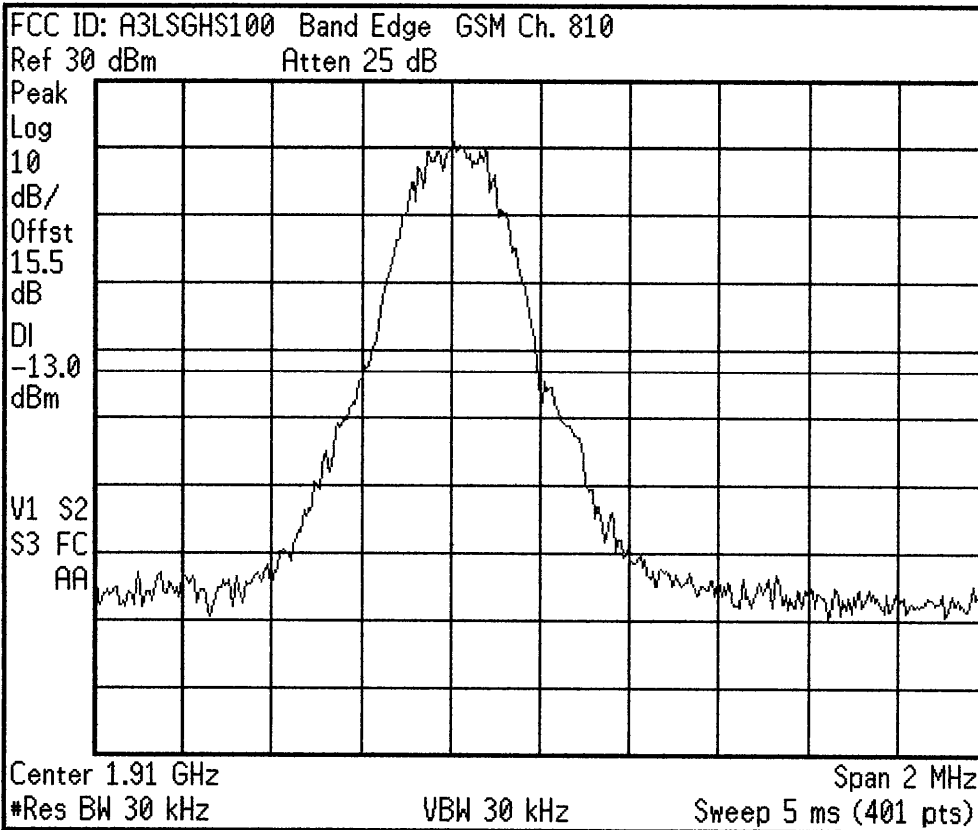
Freq/Channel
Center Freq 1.25500000 GHz
Start Freq 10.0000000 MHz
Stop Freq 2.50000000 GHz
CF Step 249.000000 MHz Auto Man
Freq Offset 0.00000000 Hz
Signal Track On Off
Scale Type Log Lin

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



Freq/Channel

Center Freq
1.91000000 GHz

Start Freq
1.90900000 GHz

Stop Freq
1.91100000 GHz

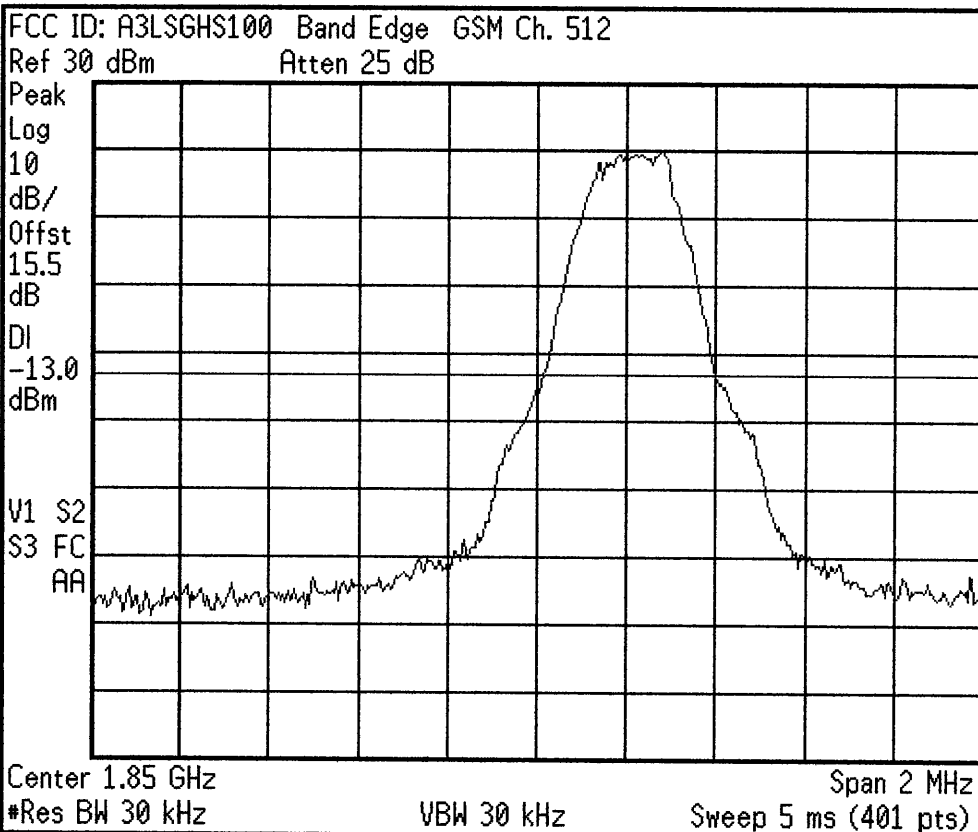
CF Step
200.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

Agilent



Freq/Channel

Center Freq
1.85000000 GHz

Start Freq
1.84900000 GHz

Stop Freq
1.85100000 GHz

CF Step
200.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

Scale Type
Log Lin

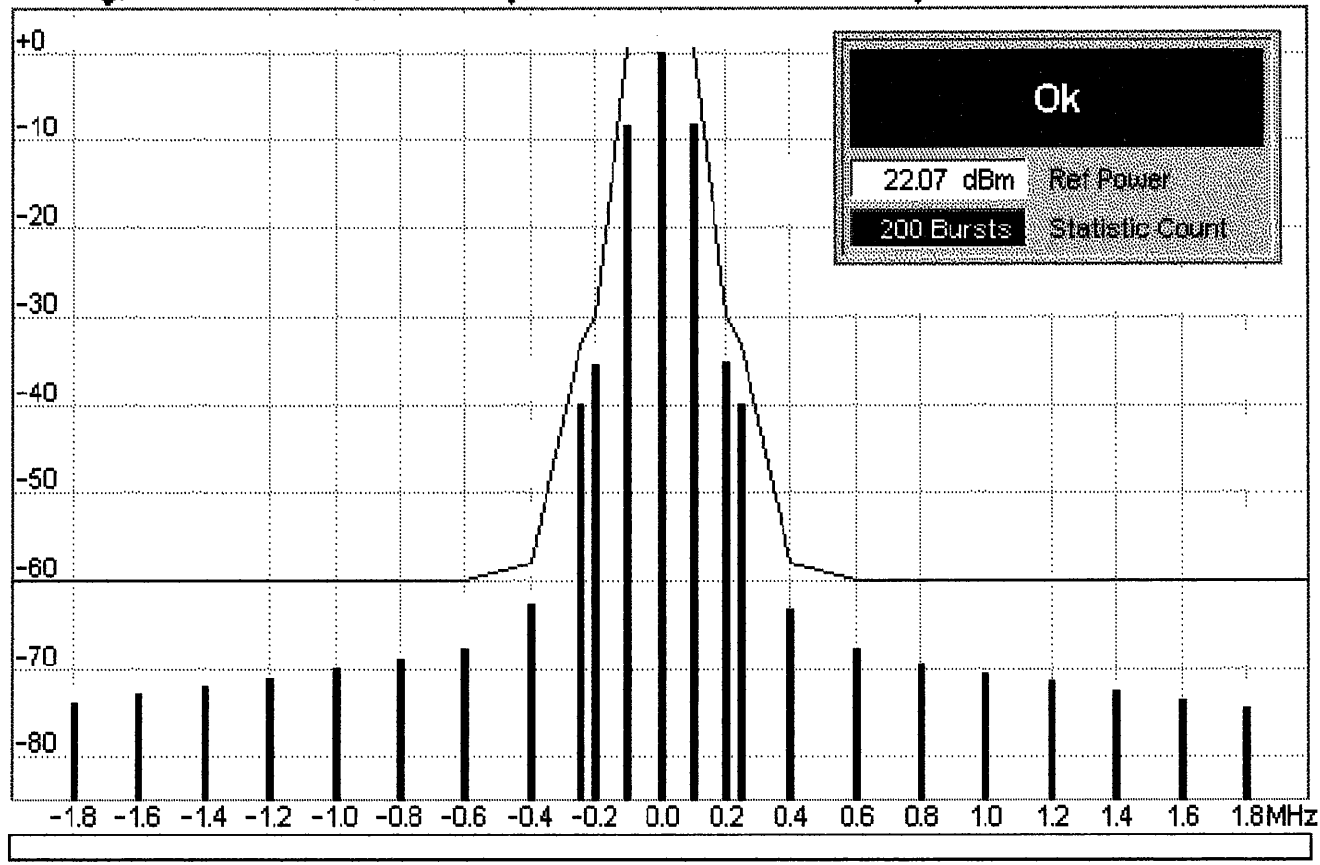
Group
Config

GSM 1900 Spectrum



Connect.
Control

dBc Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 810 / 1909.8 MHz
↓: --- / Off ↓: --- / Off ↓: --- / Off



Modulation
GMSK

Appli-
cation

Analyzer
Level

MS Signal

BS Signal

Marker

Menus

Overview

Power

Modulation

Spectrum

Receiver
Quality

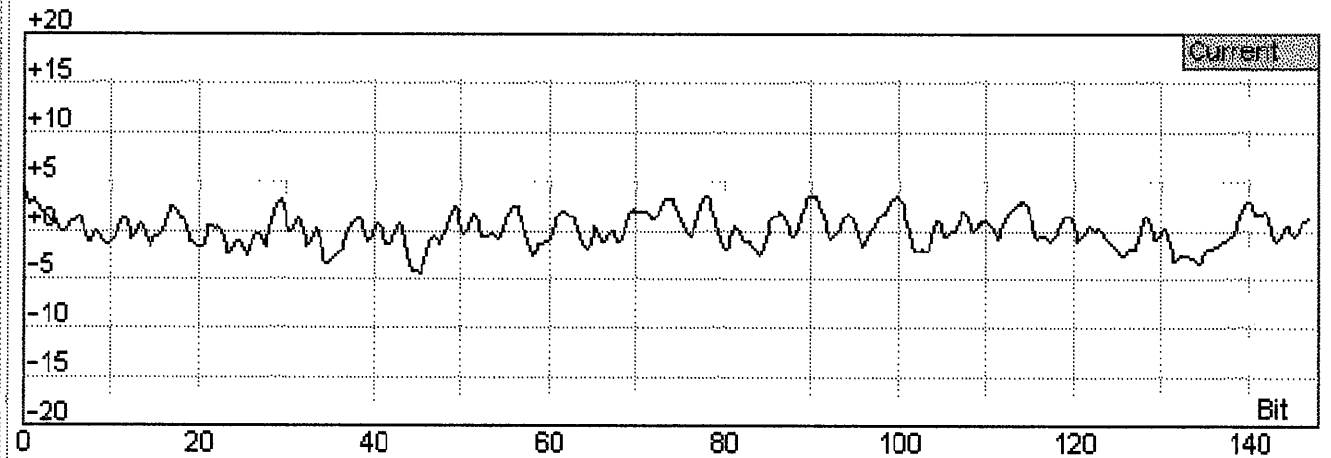
Group
Config

GSM 1900 Modulation



Connect.
Control

Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 810 / 1909.8 MHz



Ext. Phase
Err. GSMK

Analyzer
Level

MS Signal

BS Signal

GSM 0 TSC detected			-0.5 Bit Timing Advance Error	
Phase Error	Current	Average	Max / Min	
	Peak	-4.3 °	5.8 °	9.5 °
	RMS	1.6 °	1.7 °	2.1 °
Origin Offset	-46.5 dB	-48.6 dB	-39.3 dB	
I/Q Imbalance	-44.5 dB	-46.8 dB	-40.6 dB	
Frequency Error	116 Hz	118 Hz	135 Hz	
			30.0 dBm Avg. Burst Power (Cur.)	
			100 Bursts Statistic Count	
			0.00 % Bursts out of Tolerance	

Overview

Power

Modulation

Spectrum

Receiver
Quality

Menus

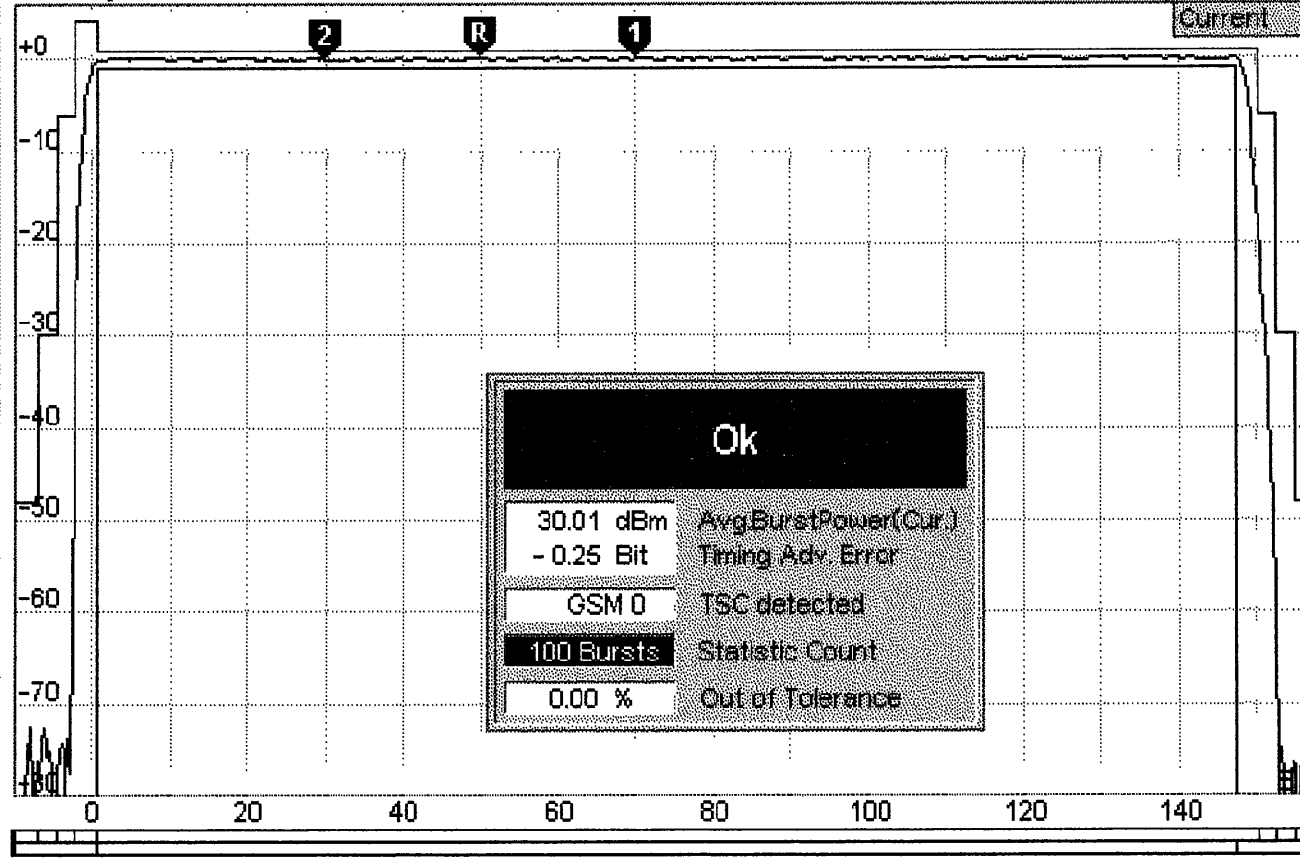
Group
Config

GSM 1900 Power



Connect.
Control

dB Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 810 / 1909.8 MHz
1: 30.1 dBm / 49.75 Bit 0: -0.1 dB / +20.00 Bit 2: -0.1 dB / -20.00 Bit



Ok

30.01 dBm	AvgBurstPower(Cur.)
-0.25 Bit	Timing Adv. Error
GSM 0	TSC detected
100 Bursts	Statistic Count
0.00 %	Out of Tolerance

CP/T Norm.
GMSK

Appli-
cation

Analyzer
Level

MS Signal

BS Signal

Marker
Display

Menus

Overview

Power

Modulation

Spectrum

Receiver
Quality

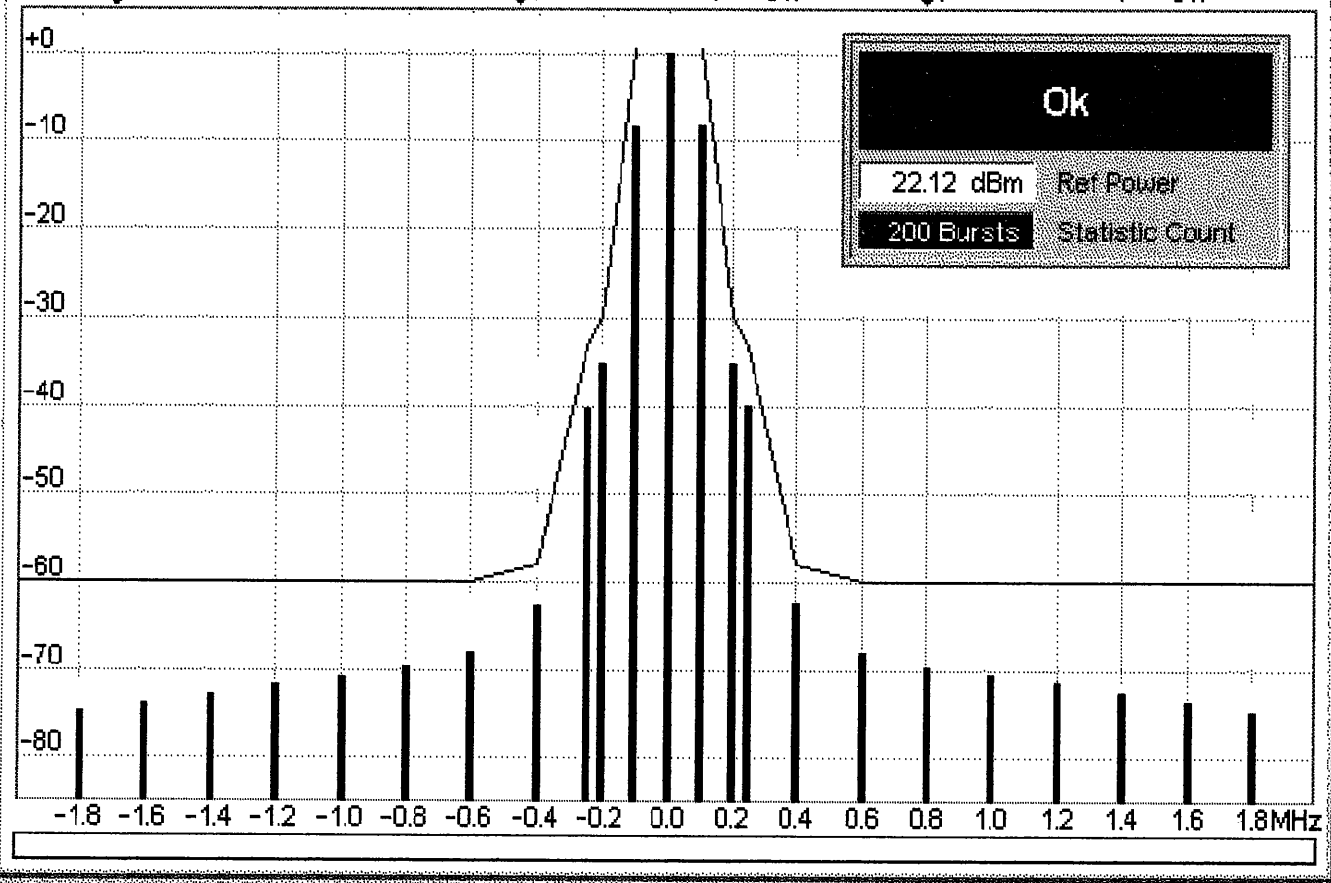
Group
Config

GSM 1900 Spectrum



Connect.
Control

dBc Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 661 / 1860.0 MHz
↓: --- / Off ↓: --- / Off ↓: --- / Off



Modulation
GMSK

Appli-
cation

Analyzer
Level

MS Signal

BS Signal

Marker

Menus

Overview

Power

Modulation

Spectrum

Receiver
Quality

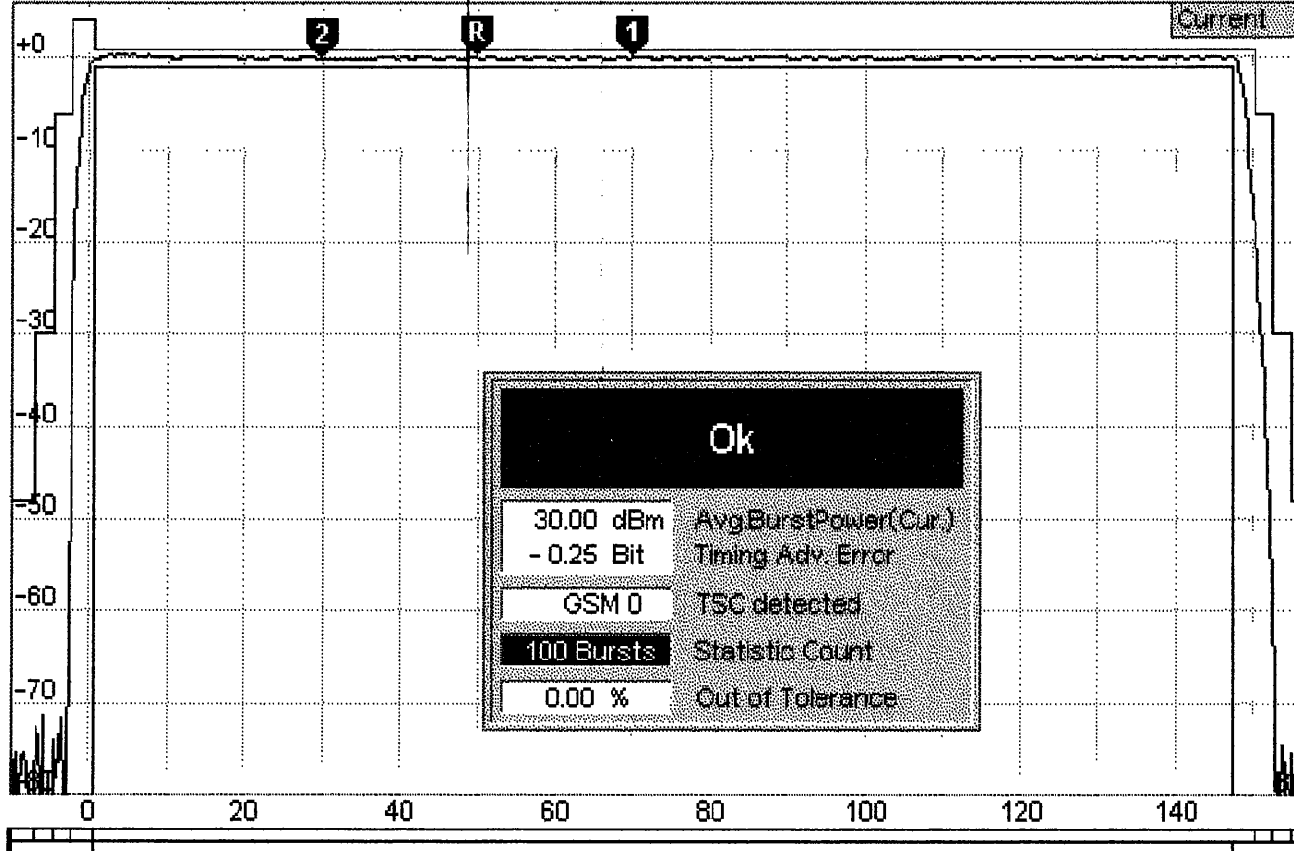
Group
Config

GSM 1900 Power



Connect.
Control

dB Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 661 / 1880.0 MHz
30.0 dBm / 49.75 Bit -0.1 dB / +20.00 Bit -0.2 dB / -20.00 Bit



P/t Norm.
GMSK

Appli-
cation

Analyzer
Level

MS Signal

BS Signal

Marker
Display

Menus

Overview

Power

Modulation

Spectrum

Receiver
Quality

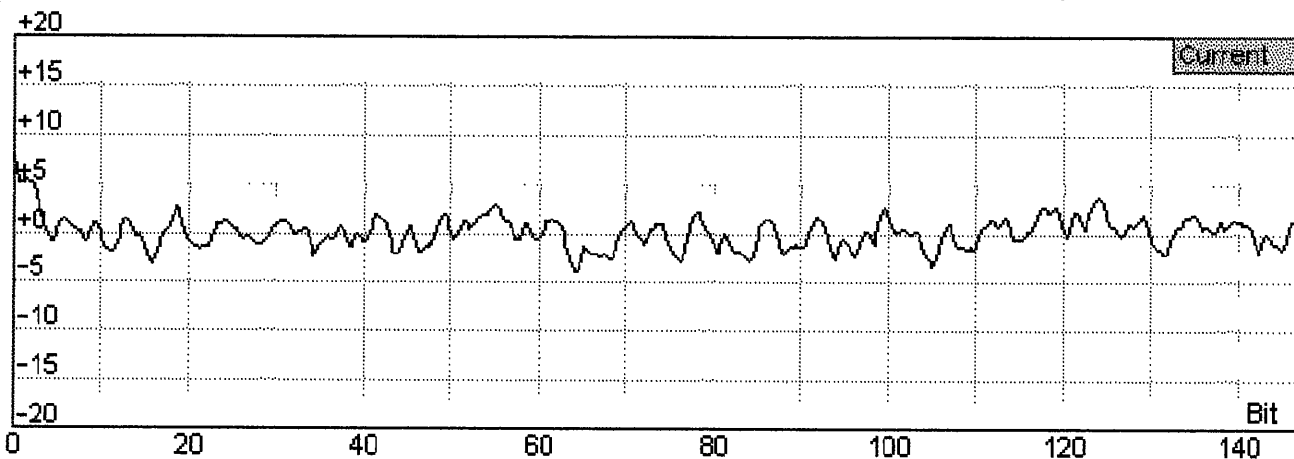
Group
Config

GSM 1900 Modulation



Connect.
Control

Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 661 / 1880.0 MHz



Ext. Phase
Err. GMSK

Analyzer
Level

MS Signal

BS Signal

GSM 0 TSC detected

	Current	Average	Max / Min
Phase Error	Peak	7.7 °	7.9 °
	RMS	1.6 °	1.8 °
Origin Offset	-55.4 dB	-48.6 dB	-41.1 dB
I/Q Imbalance	-49.0 dB	-48.4 dB	-41.6 dB
Frequency Error	106 Hz	101 Hz	117 Hz

-0.3 Bit

Timing Advance Error

30.0 dBm

Avg. Burst Power (Cur)

100 Bursts

Statistic Count

0.00 %

Bursts out of Tolerance

Overview

Power

Modulation

Spectrum

Receiver
Quality

Menus

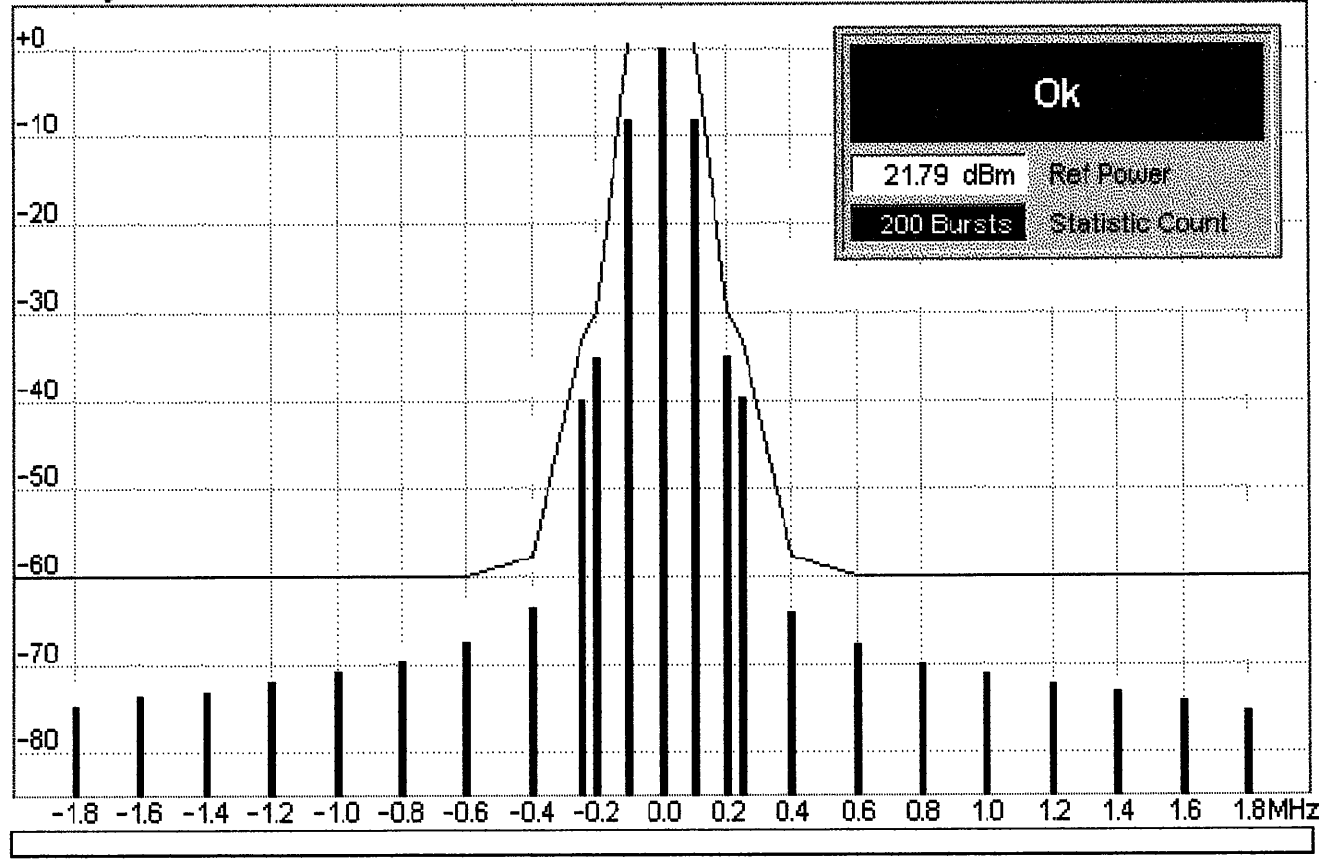
Group
Config

GSM 1900 Spectrum



Connect.
Control

dBc Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 512 / 1850.2 MHz
↓: --- / Off ↓: --- / Off ↓: --- / Off



Ok

21.79 dBm Ref Power

200 Bursts Statistic Count

Modulation
GMSK

Appli-
cation

Analyzer
Level

MS Signal

BS Signal

Marker

Menus

Overview

Power

Modulation

Spectrum

Receiver
Quality

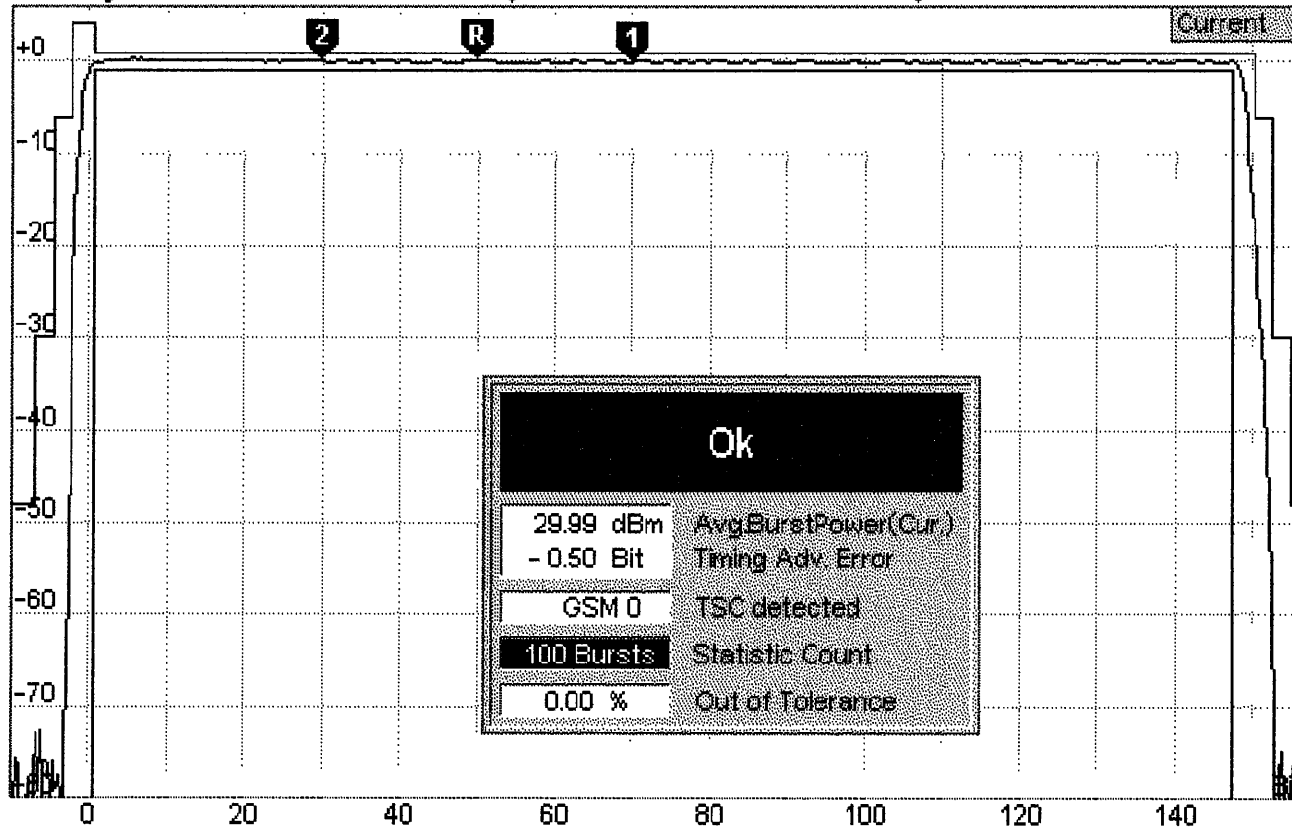
Group
Config

GSM 1900 Power



Connect.
Control

dB Max. Level: Auto Low Noise PCL: 0 / 30.0 dBm Chan./Freq.: 512 / 1850.2 MHz
1: 30.1 dBm / 49.75 Bit 0: -0.2 dB / +20.00 Bit 2: 0.0 dB / -20.00 Bit



P/t Norm.
GMSK

Appli-
cation

Analyzer
Level

MS Signal

BS Signal

Marker
Display

Menus

RF Max
Level

RF
Mode

RF
Attenuation

Trigger
Source

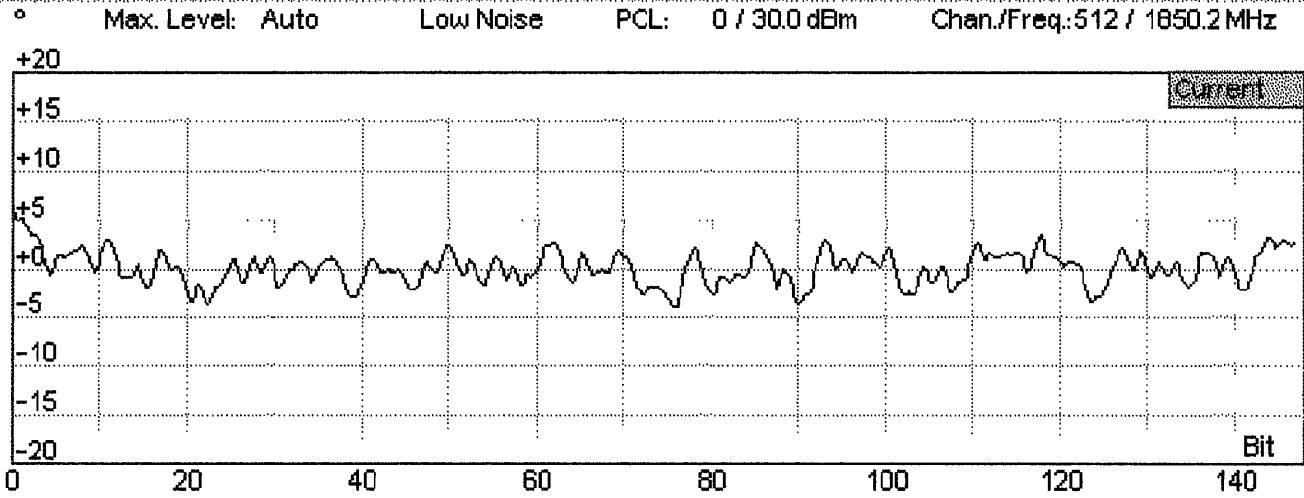
Trigger
Level

Group
Config

GSM 1900 Modulation



Connect
Control



Ext. Phase
Err. GSMK

Analyzer
Level

MS Signal

BS Signal

GSM 0 TSC detected

	Current	Average	Max / Min
Phase Error	Peak 6.4 °	6.3 °	8.8 °
	RMS 1.7 °	1.7 °	2.1 °
Origin Offset	-46.9 dB	-48.8 dB	-39.1 dB
I/Q Imbalance	-56.6 dB	-48.1 dB	-40.7 dB
Frequency Error	106 Hz	94 Hz	113 Hz

-0.3 Bit

Timing Advance Error

30.0 dBm

Avg. Burst Power (Cur)

100 Bursts

Statistic Count

0.00 %

Bursts out of Tolerance

Overview

Power

Modulation

Spectrum

Receiver
Quality

Menus