



The test data of output power for different frequency of C218
Channel 1013

CDMA2000 US Cellular Power RC 1/1 O-QPSK SO 02

Total Power	Waveform Quality	
25.08 dBm	0.955	Curr.
25.23 dBm	0.973	Max.
25.13 dBm	0.964	Avg.
25.04 dBm	0.955	Min.

Statistic Count: **100**
Out of Tolerance: **0.00 %**

Settings

- ▼ Mess. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- ▼ BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- ▼ Impairments
 - AMAON Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- ▼ BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 1013
 - RF Freq. (Fwd): 869.7000 MHz
 - RF Freq. (Rev): 824.7000 MHz
- ▼ Power Control

RF Channel: 101

F-FCH Frame Rate

Max. Outp. O-QPSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus



Ch. 1
Ch. 2

CDMA2000 US Cellular Power

RC 2/2
O-QPSK
50 09

Connect Control

Total Power	Waveform Quality	
25.12 dBm	0.983	Curr.
25.23 dBm	0.973	Max.
25.12 dBm	0.961	Avg.
25.05 dBm	0.976	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel: 101

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PCH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 1013
 - RF Freq. (Fwd): 869.7000 MHz
 - RF Freq. (Rev): 824.7000 MHz
- Power Control

Max. Outp. O-QPSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus

RF Channel

F-FCH Frame Rate

Ch. 1
Ch. 2

CDMA2000 US Cellular Power

RC 3/3
H-PSK
50 55

Connect Control

Total Power	Waveform Quality	
25.43 dBm	0.991	Curr.
28.73 dBm	0.987	Max.
25.47 dBm	0.992	Avg.
24.29 dBm	0.994	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel: 101

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PCH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 1013
 - RF Freq. (Fwd): 869.7000 MHz
 - RF Freq. (Rev): 824.7000 MHz
- Power Control

Max. Outp. H-PSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus

RF Channel

F-FCH Frame Rate



Ch. 1
Ch. 2

CDMA2000 US Cellular Power

RC 4/3 H-PSK SO SS

Connect Control

Total Power	Waveform Quality	
25.60 dBm	0.991	Curr.
29.05 dBm	0.986	Max
25.61 dBm	0.993	Avg
24.96 dBm	0.994	Min

100 Statistic Count

0.00 % Out of Tolerance

RF Channel: 101

RF Channel

F-FCM Frame Rate

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCM Frame Rate: Full
 - RF Channel: 1013
 - RF Freq. (Fwd): 869.7000 MHz
 - RF Freq. (Rev): 824.7000 MHz
- Power Control

Max. Outp. H-PSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus

Ch. 1
Ch. 2

CDMA2000 US Cellular Power

RC 5/4 H-PSK SO SS

Connect Control

Total Power	Waveform Quality	
25.01 dBm	0.992	Curr.
25.03 dBm	0.993	Max
24.95 dBm	0.993	Avg
24.86 dBm	0.993	Min

100 Statistic Count

0.00 % Out of Tolerance

RF Channel: 101

RF Channel

F-FCM Frame Rate

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCM Frame Rate: Full
 - RF Channel: 1013
 - RF Freq. (Fwd): 869.7000 MHz
 - RF Freq. (Rev): 824.7000 MHz
- Power Control

Max. Outp. H-PSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus



Channel 384

CDMA2000 US Cellular Power RC 171 CH-QPSK SO 02

Total Power	Waveform Quality	
25.31 dBm	0.971	Curr.
27.79 dBm	0.972	Max.
25.32 dBm	0.980	Avg.
24.50 dBm	0.989	Min.

100 Statistic Count
0.00 % Out of Tolerance

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PCH Level: -70 dB
 - F-FCH Level: -74 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -70 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -70 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 384
 - RF Freq (Fwd): 861.5200 MHz
 - RF Freq (Rev): 836.5200 MHz
- Power Control

RF Channel: 384

RF Channel: Channel F-FCH Frame Rate: Frame Rate

Buttons: Connect Control, Max. Outp. O-QPSK, Application, Analyzer Level Trg, BS Signal Level Imp, BS Signal Settings, Menu



CDMA2000 US Cellular Power RC 2/2 C-PSK SO 09

Total Power	Waveform Quality	
25.04 dBm	0.987	Curr.
27.20 dBm	0.905	Max.
25.05 dBm	0.979	Avg.
24.93 dBm	0.978	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 38

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 384
 - RF Freq. (Fwd): 861.5200 MHz
 - RF Freq. (Rev): 836.5200 MHz
- Power Control

Max. Outp. O-QPSK
Application
Analyzer Level Trg
BS Signal Level Imp
BS Signal Settings
Menus

CDMA2000 US Cellular Power RC 3/3 H-PSK SO 55

Total Power	Waveform Quality	
25.28 dBm	0.993	Curr.
25.37 dBm	0.994	Max.
25.28 dBm	0.993	Avg.
25.19 dBm	0.993	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 38

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 384
 - RF Freq. (Fwd): 861.5200 MHz
 - RF Freq. (Rev): 836.5200 MHz
- Power Control

Max. Outp. H-PSK
Application
Analyzer Level Trg
BS Signal Level Imp
BS Signal Settings
Menus



Ch. 1 Ch. 2 **CDMA2000** US Cellular Power RC 4/3 H-PSK SO 55 Connect Control

Total Power	Waveform Quality	
25.10 dBm	0.992	Curr.
25.20 dBm	0.993	Max.
25.09 dBm	0.993	Avg.
24.95 dBm	0.993	Min.

100 Statistic Count
0.00 % Out of Tolerance

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 384
 - RF Freq. (Fwd): 861.5200 MHz
 - RF Freq. (Rev): 836.5200 MHz
- Power Control

Min. Output O-QPSK Max. Output O-QPSK Gated Output Open Loop Time Resp. **RF Power** Min. Output H-PSK Max. Output H-PSK Menus

Ch. 1 Ch. 2 **CDMA2000** US Cellular Power RC 5/4 H-PSK SO 55 Connect Control

Total Power	Waveform Quality	
25.08 dBm	0.993	Curr.
27.61 dBm	0.990	Max.
25.06 dBm	0.993	Avg.
24.31 dBm	0.993	Min.

100 Statistic Count
0.00 % Out of Tolerance

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 384
 - RF Freq. (Fwd): 861.5200 MHz
 - RF Freq. (Rev): 836.5200 MHz
- Power Control

RF Channel 384

RF Channel F-FCH Frame Rate Menus



Channel 777

Ch. 1 Ch. 2 **CDMA2000** US Cellular Power RC: 171 CH: QPSK SO: 02 **Connect Control**

Total Power	Waveform Quality	
24.68 dBm	0.990	Curr.
25.78 dBm	0.988	Max.
24.85 dBm	0.984	Avg.
24.63 dBm	0.986	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 777

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BB Signal Level
 - CDMA Power: -104.0 dBm
 - F-PCCH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 777
 - RF Freq. (Fwd): 893.3100 MHz
 - RF Freq. (Rev): 848.3100 MHz
- Power Control

Max. Outp. O-QPSK
Application
Analyzer Level Trg
BS Signal Level Imp
BS Signal Settings
Menus

RF Channel F-FCH Frame Rate



Ch. 1
Ch. 2

CDMA2000 US Cellular Power

RC 2/2
O-QPSK
SQ 09

Connect Control

Total Power	Waveform Quality	
24.51 dBm	0.986	Curr.
25.09 dBm	0.979	Max.
24.62 dBm	0.984	Avg.
24.48 dBm	0.984	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 77

RF Channel

F-FCH Frame Rate

Settings

- ▼ Mess. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- ▼ BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- ▼ Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- ▼ BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 777
 - RF Freq. (Fwd): 893.3100 MHz
 - RF Freq. (Rev): 948.3100 MHz
- ▼ Power Control

Max. Outp. O-QPSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus

Ch. 1
Ch. 2

CDMA2000 US Cellular Power

RC 3/3
H-PSK
SQ 55

Connect Control

Total Power	Waveform Quality	
24.38 dBm	0.994	Curr.
24.66 dBm	0.994	Max.
24.46 dBm	0.994	Avg.
24.35 dBm	0.993	Min.

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 77

RF Channel

F-FCH Frame Rate

Settings

- ▼ Mess. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- ▼ BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- ▼ Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- ▼ BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 777
 - RF Freq. (Fwd): 893.3100 MHz
 - RF Freq. (Rev): 948.3100 MHz
- ▼ Power Control

Max. Outp. H-PSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus



OL1 US Cellular Power RC 4/3 H-PSK SO SS

CDMA2000

Total Power	Waveform Quality	
24.08 dBm	0.993	Curr.
24.49 dBm	0.994	Max
24.10 dBm	0.994	Avg
23.51 dBm	0.994	Min

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 77

RF Channel F-FCH Frame Rate

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 777
 - RF Freq. (Fwd): 933.3100 MHz
 - RF Freq. (Rev): 948.3100 MHz
- Power Control

Connect Control

Max. Outp. H-PSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus

OL1 US Cellular Power RC 5/4 H-PSK SO SS

CDMA2000

Total Power	Waveform Quality	
24.40 dBm	0.994	Curr.
24.56 dBm	0.993	Max
24.43 dBm	0.994	Avg
24.34 dBm	0.993	Min

100 Statistic Count
0.00 % Out of Tolerance

RF Channel 77

RF Channel F-FCH Frame Rate

Settings

- Meas. Control
 - Repetition: Continuous
 - Stop Condition: None
 - Statistic Count: 100
- BS Signal Level
 - CDMA Power: -104.0 dBm
 - F-PICH Level: -7.0 dB
 - F-FCH Level: -7.4 dB
 - F-FCH Eb/Nt: ---
 - F-SCH0 Level: -7.0 dB
 - F-SCH0 Eb/Nt: ---
 - F-SCH1 Level: -7.0 dB
 - F-SCH1 Eb/Nt: ---
- Impairments
 - AWGN Level: Off
 - BS Freq. Offset: Off
 - Injected Tx FER: Off
- BS Signal Settings
 - F-FCH Frame Rate: Full
 - RF Channel: 777
 - RF Freq. (Fwd): 933.3100 MHz
 - RF Freq. (Rev): 948.3100 MHz
- Power Control

Connect Control

Max. Outp. H-PSK

Application

Analyzer Level Trg

BS Signal Level Imp

BS Signal Settings

Menus