

CDMA Downlink

ATDE

<< Setup Common Parameter (CDMA) >>

Frequency
 Channel & Frequency : [1092CH] = [870.750000MHz]
 Channel Spacing : [1.250000MHz]

Level
 Reference Level : [2.0dBm]

Signal
 Measuring Object : [Forward]
 Data Rate : [9600bps/14400bps]
 Modulation Analysis Length : [10] * 64 PNchip
 Filter : [Filter+EQ]

PN Synchronization : [PN Search]
 PN Offset : [0] * 64 PNchip
 ε Reference : [Nothing]
 PN Trigger Edge : [Rise]
 PN Trigger Delay : [0.000PNchip]

User Cal Factor : [1.00dB]

TX Measure

→
All Measure

→
Modulation
Analysis

→
RF Power

→
Occupied
Bandwidth

→
Spurious
close to
the Carrier

→
Code Domain
Analysis

1 2

1

TX Measure				
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Main Func
On Off

ATDE

<< All Measure (CDMA) >>

M Measure : Single
 Storage : Normal

U

Page(1/6)

Pass/Fail

Frequency		
Carrier Frequency	: 870.749 999 2 MHz	
Carrier Frequency Error	: -0.09 ppm	Pass
Waveform Quality		
ρ(Waveform Quality Factor)	: 0.99799	Pass
Modulation		
RMS Vector Error	: 2.60 % (rms)	Pass
Peak Vector Error	: 7.06 %	Pass
Phase Error	: 1.40 deg. (rms)	Pass
Magnitude Error	: 0.90 % (rms)	Pass
Origin Offset	: -28.21 dB	Pass
RF Power (Smoothing Filter)		
TX Power	: 6.84 dBm	Pass
Occupied Bandwidth (FFT)		
Occupied Bandwidth	: 1.27 MHz	Pass

All Measure

Previous
Page

Next
Page

*
Storage
Mode

*
Calibration

Adjust
Range

→
Back
Screen

1

Total Judgement
Pass

Channel : 1092CH Frequency : 870.750 000MHz Level : 2dBm

1

Channel #	Frequency #	Level #		
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Main Func
On Off

ATDE

<< Spurious close Carrier(CDMA) >>

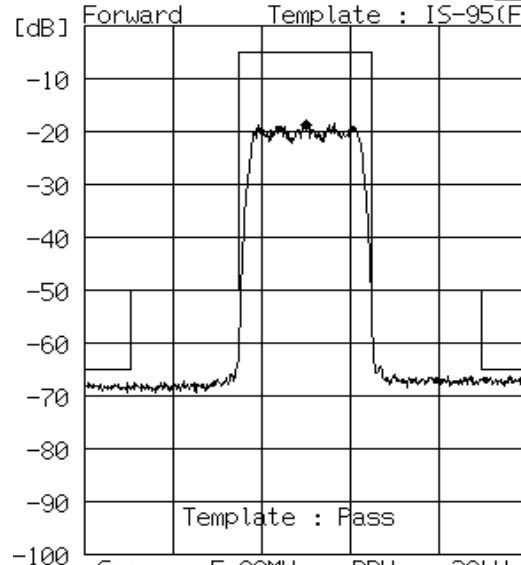
M

U

Storage : Average (10/ 10)

Method : Spectrum

Adj. CH



Tx Power :

6.72 dBm

Offset Freq. vs Power

-1.980 MHz : -57.04 dBm

-0.750 MHz : -46.83 dBm

0.750 MHz : -45.12 dBm

1.980 MHz : -55.04 dBm

Marker :

Offset Frequency

0.00 MHz

Power(RBW:30kHz)

-6.94 dBm

Measure
Method *

Unit *

Storage
Mode *

Calibration *

Adjust
Range

Back
Screen →

1 2

1

Channel #

Frequency #

Level #

Span #

RBW #

Main Func
On Off

ATDE

<< Code Domain Analysis (CDMA) >>

M

U

Storage : Average (10/ 10)

Tx Power :

6.70 dBm

Frequency Error :

-0.000 5 kHz

Pilot Channel

Code Domain Power :

-0.01 dB

Marker

Channel : 32

Code Domain Power :

-38.87 dB

Waveform Quality :

0.00013

Time Offset :

-8 ns

Phase Offset :

0.043 rad

Code Domain

Vertical
Scale *

Marker *

Storage
Mode *

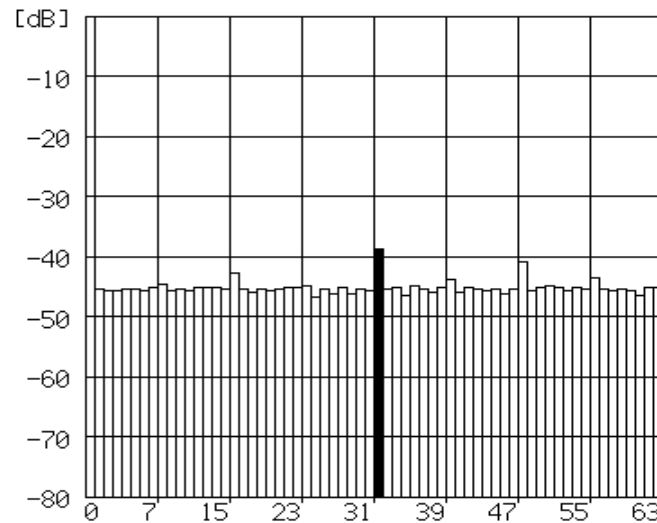
Calibration *

Adjust
Range

Back
Screen →

1

1



Channel #

Frequency #

Level #

Main Func
On Off

ATDE
<< Modulation Analysis (CDMA) >>

M Measure : Single
Storage : Normal
U

Mod. Anal.

→
Waveform
Display

Frequency
Carrier Frequency : 870.749 999 0 MHz
Carrier Frequency Error : -0.001 0 kHz

Waveform Quality
 ρ (Waveform Quality Factor) : 0.99815

Modulation
RMS Vector Error : 2.21 % (rms)
Peak Vector Error : 6.29 %
Phase Error : 1.18 deg. (rms)
Magnitude Error : 0.79 % (rms)
Origin Offset : -28.33 dB

*
Storage
Mode

*
Calibration

Adjust
Range

→
Back
Screen

1

Channel : 1092CH Frequency : 870.750 000MHz Level : 2dBm

Channel #

Frequency #

Level #

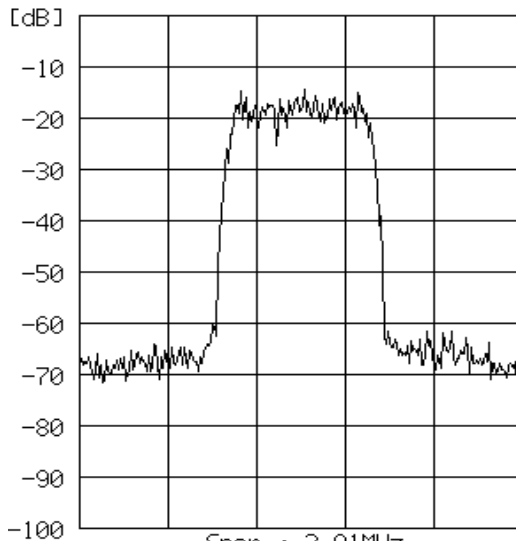
Main Func
On Off

ATDE
<< Occupied Bandwidth (CDMA) >>

M Measure : Single
Storage : Normal
U Method : FFT

Occ. BW

*
Measure
Method



OCC BW (99%) : 1.25 MHz

Upper Limit : 0.63 MHz

Lower Limit : -0.62 MHz

Center (Upper+Lower)/2 :
870.758 MHz

*
Storage
Mode

*
Calibration

Adjust
Range

→
Back
Screen

1

Span : 3.91MHz
Channel : 1092CH Frequency : 870.750 000MHz Level : 2dBm

Channel #

Frequency #

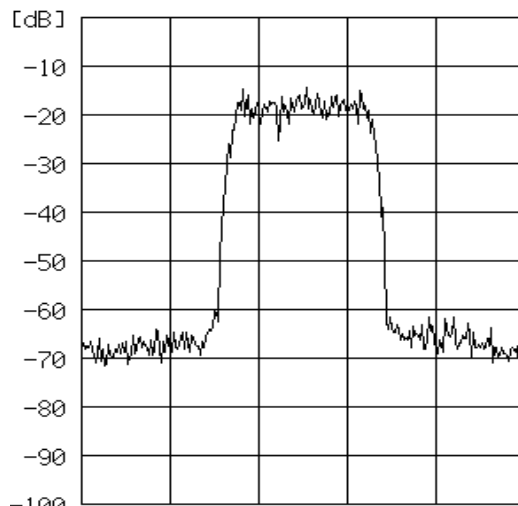
Level #

Main Func
On Off

ATDE
<< Occupied Bandwidth (CDMA) >>

M Measure : Single
Storage : Normal
U Method : FFT

Occ. BW



OCC BW (99%) : 1.25 MHz

Upper Limit : 0.63 MHz

Lower Limit : -0.62 MHz

Center (Upper+Lower)/2 :
870.758 MHz

Measure
Method

Storage
Mode

Calibration

Adjust
Range

Back
Screen

1

Channel : 1092CH Frequency : 870.750 000MHz Level : 2dBm

Channel #

Frequency #

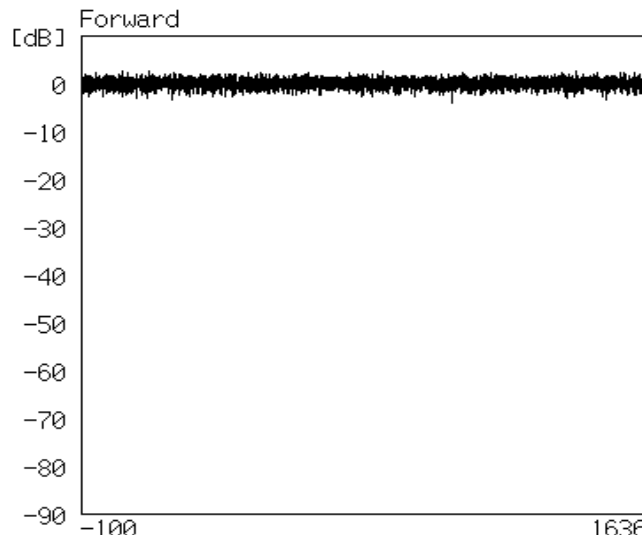
Level #

Main Func
On Off

ATDE
<< RF Power (CDMA) >>

M Storage : Average (10/ 10)
U

RF Power



Tx Power :
6.88 dBm

Window

Marker

Storage
Mode

Calibration

Adjust
Range

Back
Screen

1 2

Channel : 1092CH Frequency : 870.750 000MHz Level : 2dBm

Channel #

Frequency #

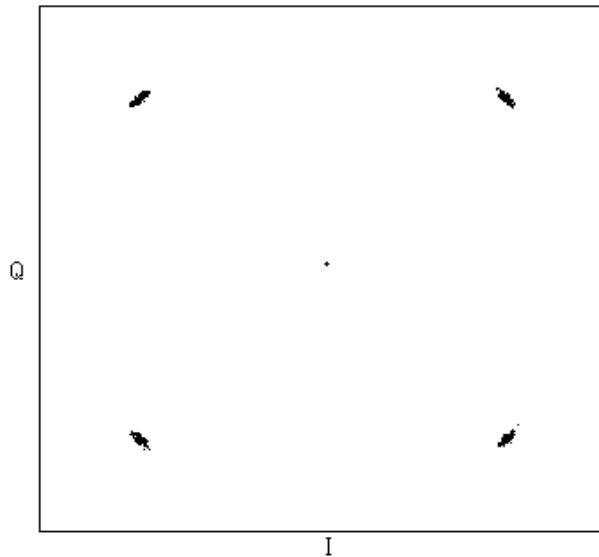
Level #

Main Func
On Off

ATDE
 << Waveform Display (CDMA) >>

M Measure : Single
 Storage : Over Write
U Trace : Constellation

Trace Format



Frequency :
 870.749 999 6 MHz
 Frequency Error :
 -0.000 4 kHz
 ρ : 0.99796

Constel-
 lation

Vector
 Error

Phase Error

Magnitude
 Error

return

1

Channel : 1092CH Frequency : 870.750 000MHz Level : 2dBm

Channel #

Frequency #

Level #

Main Func
 On Off

ATDE
 << Setup Common Parameter (CDMA) >>

Frequency
 Channel & Frequency : [1092CH] = [881.500000MHz]
 Channel Spacing : [1.250000MHz]

Level
 Reference Level : [7.0dBm]

Signal
 Measuring Object : [Forward]
 Data Rate : [9600bps/14400bps]
 Modulation Analysis Length : [10] * 64 PNchip
 Filter : [Filter+EQ]

PN Synchronization : [PN Search]
 PN Offset : [0] * 64 PNchip
 ϵ Reference : [Nothing]
 PN Trigger Edge : [Rise]
 PN Trigger Delay : [0.000PNchip]

User Cal Factor : [1.00dB]

TX Measure

All Measure →

Modulation
 Analysis →

RF Power →

Occupied
 Bandwidth →

Spurious →
 close to
 the Carrier

Code Domain
 Analysis →

1 2

1

TX
 Measure

Main Func
 On Off

ATDE
<< All Measure (CDMA) >>

M Measure : Single
Storage : Normal

All Measure

U

Page(1/6)

Pass/Fail

Previous
Page

Frequency

Carrier Frequency : 881.500 001 5 MHz

Carrier Frequency Error : 0.17 ppm Pass

Waveform Quality

ρ (Waveform Quality Factor) : 0.99806 Pass

Modulation

RMS Vector Error : 2.46 % (rms) Pass

Peak Vector Error : 7.61 % Pass

Phase Error : 1.30 deg. (rms) Pass

Magnitude Error : 0.96 % (rms) Pass

Origin Offset : -28.02 dB Pass

RF Power (Smoothing Filter)

TX Power : 7.30 dBm Pass

Occupied Bandwidth (FFT)

Occupied Bandwidth : 1.27 MHz Pass

Next
Page

*
Storage
Mode

*
Calibration

Adjust
Range

Back
Screen

Total Judgement
Pass

1

Channel : 1092CH Frequency : 881.500 000MHz Level : 3dBm

1

Channel #

Frequency #

Level #

Main Func
On Off

ATDE

<< Spurious close Carrier(CDMA) >>

M

Storage : Average (10/ 10)

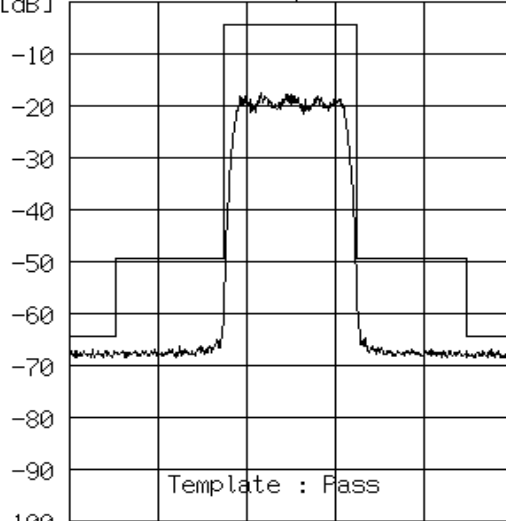
IS-95

U

Method : Spectrum

Relative
Template

[dB] Forward Template : IS-95(Forward, Relative)



Tx Power :

7.41 dBm

Offset Freq. vs Power

-1.980 MHz : -55.50 dBm

-0.750 MHz : -45.48 dBm

0.750 MHz : -45.40 dBm

1.980 MHz : -55.48 dBm

Marker :

Offset Frequency
0.00 MHz

Power(RBW:30kHz)
-6.77 dBm

return

1

Span : 5.00MHz RBW: 30kHz

Channel : 1092CH Frequency : 881.500 000MHz Level : 2dBm

1

Channel #

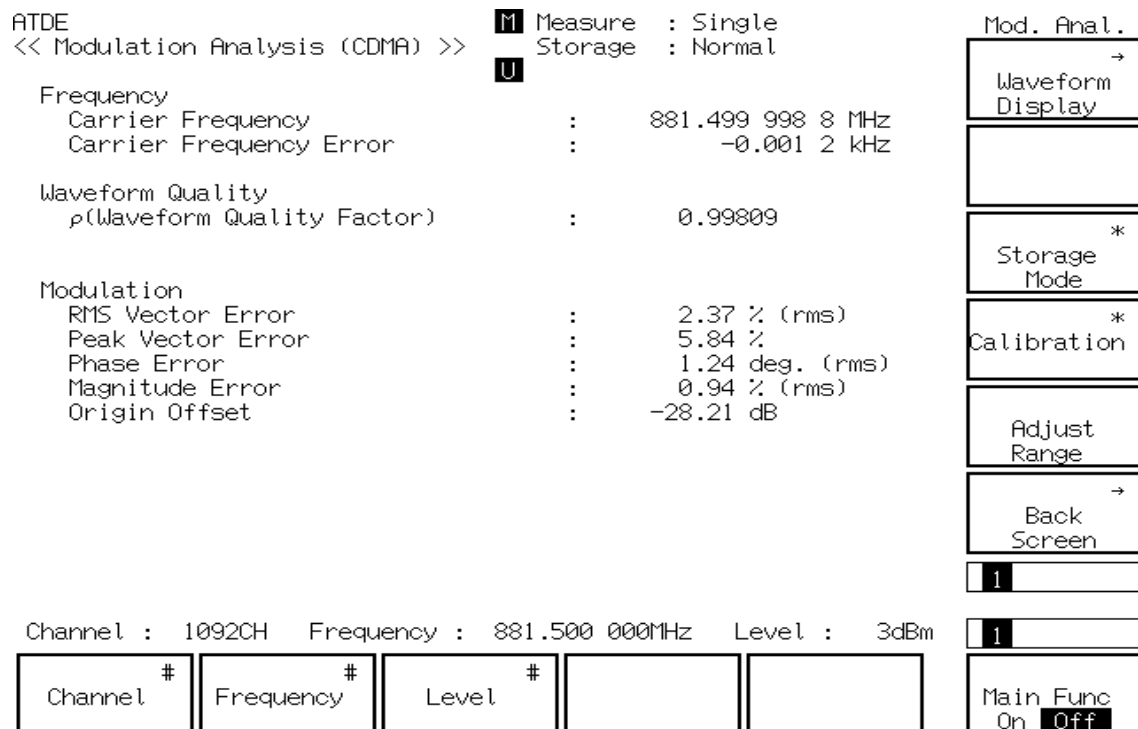
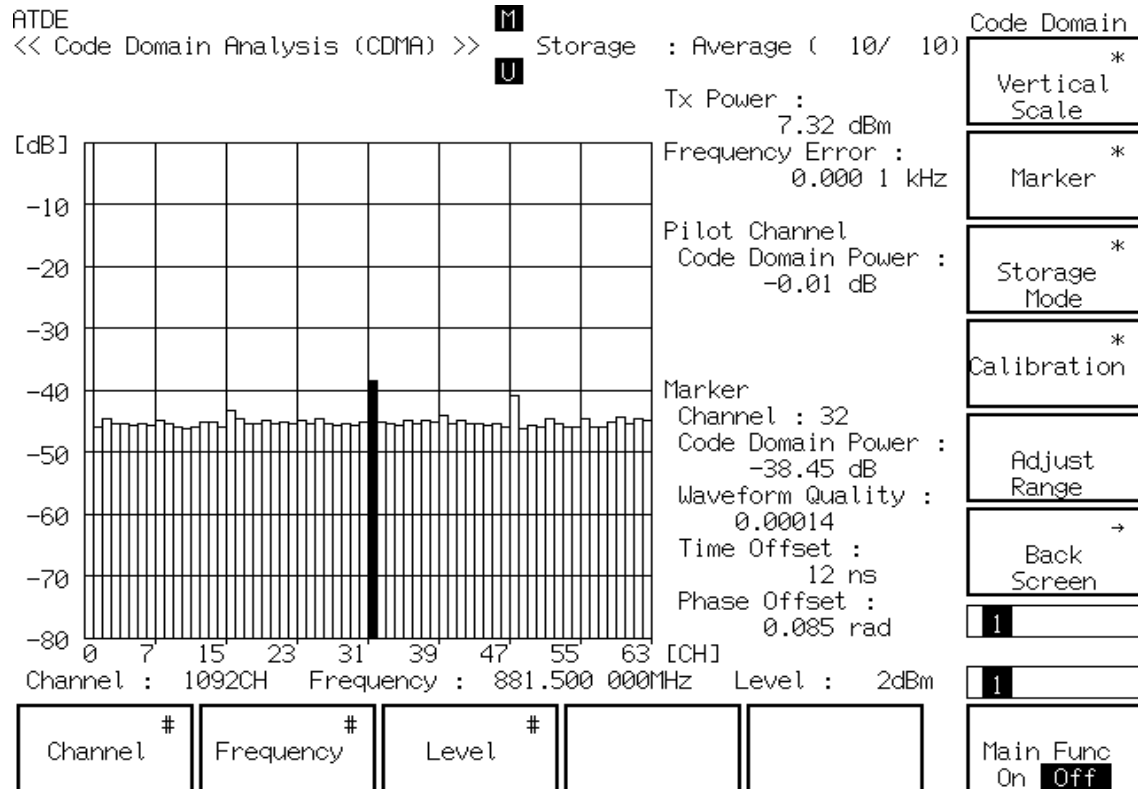
Frequency #

Level #

Span #

RBW #

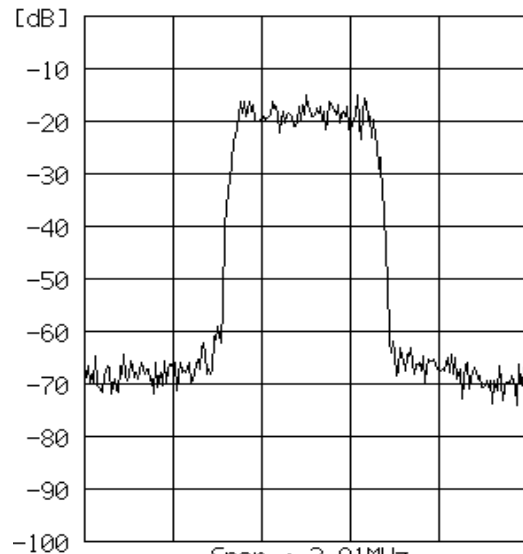
Main Func
On Off



ATDE
 << Occupied Bandwidth (CDMA) >>

M Measure : Single
 Storage : Normal
U Method : FFT

Occ. BW



OCC BW (99%) : 1.27 MHz

Upper Limit : 0.63 MHz

Lower Limit : -0.63 MHz

Center (Upper+Lower)/2 :
 881.501 MHz

Measure
 Method *

Storage
 Mode *

Calibration *

Adjust
 Range

Back
 Screen →

1

Span : 3.91MHz
 Channel : 1092CH Frequency : 881.500 000MHz Level : 3dBm

Channel #

Frequency #

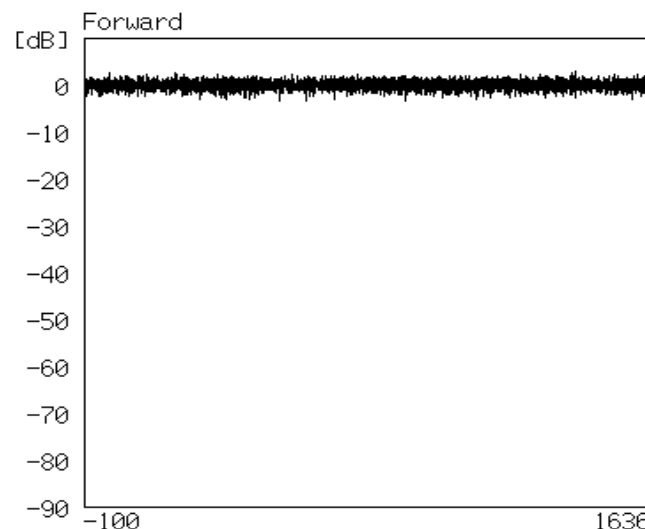
Level #

Main Func
 On Off

ATDE
 << RF Power (CDMA) >>

M Storage : Average (10/ 10)
U

RF Power



Tx Power :
 7.32 dBm

Window *

Marker *

Storage
 Mode *

Calibration *

Adjust
 Range

Back
 Screen →

1 2

1636 [PNchip]
 Channel : 1092CH Frequency : 881.500 000MHz Level : 3dBm

Channel #

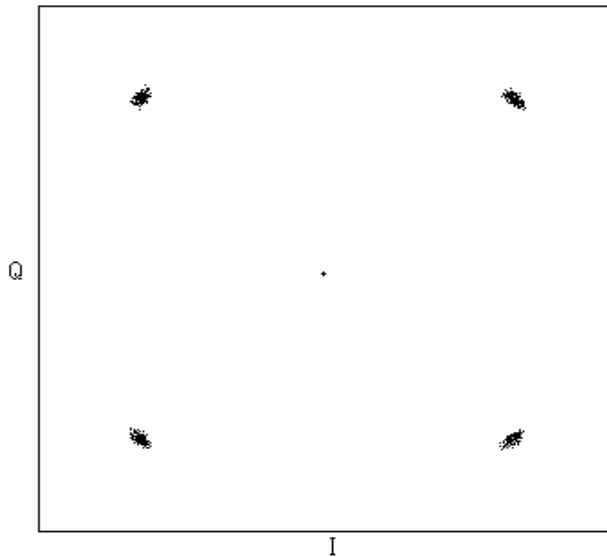
Frequency #

Level #

Main Func
 On Off

ATDE
 << Waveform Display (CDMA) >>

M Measure : Single
 Storage : Normal
U Trace : Constellation



Frequency :
 881.500 000 7 MHz
 Frequency Error :
 0.000 7 kHz
 ρ : 0.99796

- Waveform
- Trace Format *
 - Marker *
 - Storage Mode *
 - Calibration *
 - Adjust Range
 - Back Screen →
 - 1

Channel : 1092CH Frequency : 881.500 000MHz Level : 2dBm

Channel #	Frequency #	Level #		

1
Main Func On Off

ATDE
 << Setup Common Parameter (CDMA) >>

Frequency
 Channel & Frequency : [750CH] = [892.500000MHz]
 Channel Spacing : [1.250000MHz]

Level
 Reference Level : [2.0dBm]

Signal
 Measuring Object : [Forward]
 Data Rate : [9600bps/14400bps]
 Modulation Analysis Length : [10] * 64 PNchip
 Filter : [Filter+EQ]

PN Synchronization : [PN Search]
 PN Offset : [0] * 64 PNchip
 τ Reference : [Nothing]
 PN Trigger Edge : [Rise]
 PN Trigger Delay : [0.000PNchip]

User Cal Factor : [1.00dB]

- TX Measure
- All Measure →
 - Modulation Analysis →
 - RF Power →
 - Occupied Bandwidth →
 - Spurious close to the Carrier →
 - Code Domain Analysis →
 - 1 2

TX Measure				
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1
Main Func On Off

ATDE
<< All Measure (CDMA) >>

M Measure : Single
Storage : Normal

All Measure

U

Page(1/6)

Pass/Fail

Previous
Page

Frequency

Carrier Frequency : 892.500 002 9 MHz

Carrier Frequency Error : 0.32 ppm Pass

Waveform Quality

ρ (Waveform Quality Factor) : 0.99793 Pass

Modulation

RMS Vector Error : 2.57 % (rms) Pass

Peak Vector Error : 6.92 % Pass

Phase Error : 1.29 deg. (rms) Pass

Magnitude Error : 1.26 % (rms) Pass

Origin Offset : -28.19 dB Pass

RF Power (Smoothing Filter)

TX Power : 5.90 dBm Pass

Occupied Bandwidth (FFT)

Occupied Bandwidth : 1.27 MHz Pass

Next
Page

*
Storage
Mode

*
Calibration

Adjust
Range

→
Back
Screen

Total Judgement
Pass

1

Channel : 750CH Frequency : 892.500 000MHz Level : 2dBm

1

Channel #

Frequency #

Level #

Main Func
On Off

ATDE
<< Code Domain Analysis (CDMA) >>

M Storage : Average (10/ 10)
U

Code Domain

Tx Power :
6.30 dBm

Frequency Error :
-0.000 1 kHz

Pilot Channel
Code Domain Power :
-0.01 dB

Marker
Channel : 32
Code Domain Power :
-38.43 dB
Waveform Quality :
0.00014
Time Offset :
6 ns
Phase Offset :
0.022 rad

*
Vertical
Scale

*
Marker

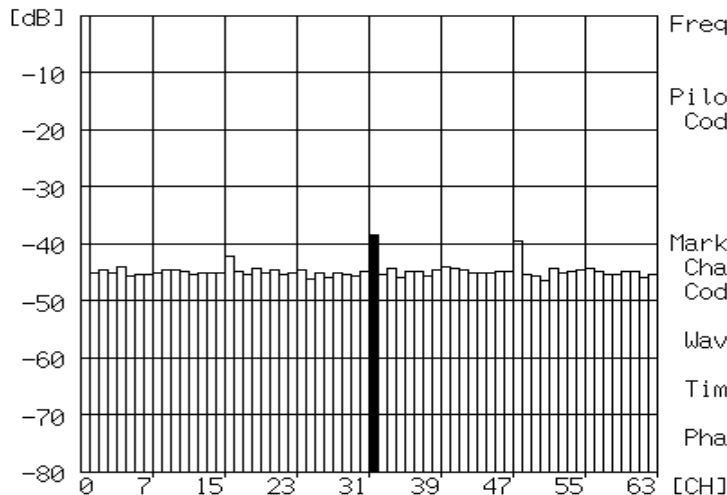
*
Storage
Mode

*
Calibration

Adjust
Range

→
Back
Screen

1



Channel : 750CH Frequency : 892.500 000MHz Level : 2dBm

1

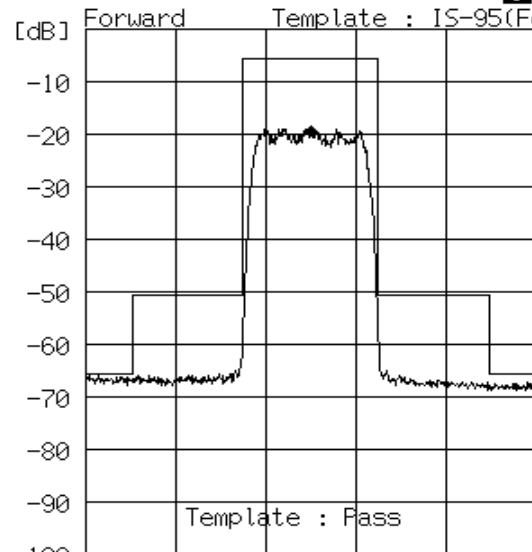
Channel #

Frequency #

Level #

Main Func
On Off

ATDE
 << Spurious close Carrier(CDMA) >> **M** Storage : Average (10/ 10)
U Method : Spectrum



Tx Power : 6.32 dBm

Offset Freq. vs Power
 -1.980 MHz : -55.35 dBm
 -0.750 MHz : -45.98 dBm
 0.750 MHz : -45.33 dBm
 1.980 MHz : -56.55 dBm

Marker :
 Offset Frequency 0.00 MHz
 Power(RBW:30kHz) -7.44 dBm

Span : 5.00MHz RBW: 30kHz
 Channel : 750CH Frequency : 892.500 000MHz Level : 2dBm

Channel #	Frequency #	Level #	Span #	RBW #

Adj. CH

Measure *

Unit *

Storage *

Calibration *

Adjust Range

Back Screen →

1 2

1

Main Func On Off

ATDE
 << Modulation Analysis (CDMA) >> **M** Measure : Single
U Storage : Normal

Frequency
 Carrier Frequency : 892.500 000 3 MHz
 Carrier Frequency Error : 0.000 3 kHz

Waveform Quality
 ρ(Waveform Quality Factor) : 0.99794

Modulation
 RMS Vector Error : 2.48 % (rms)
 Peak Vector Error : 6.79 %
 Phase Error : 1.25 deg. (rms)
 Magnitude Error : 1.17 % (rms)
 Origin Offset : -28.00 dB

Mod. Anal.

Waveform Display →

Storage *

Calibration *

Adjust Range

Back Screen →

1

Channel : 750CH Frequency : 892.500 000MHz Level : 2dBm

Channel #	Frequency #	Level #		

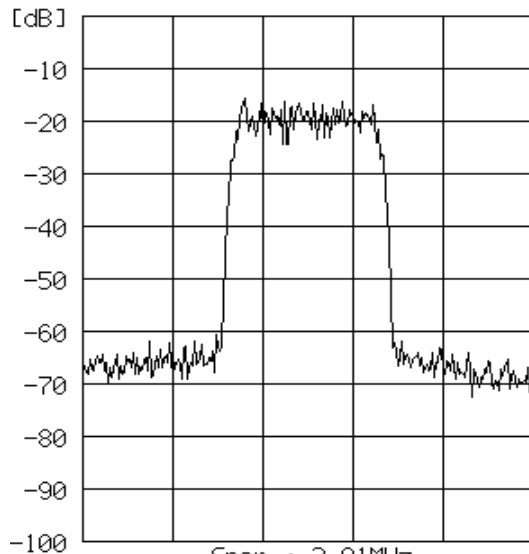
1

Main Func On Off

ATDE
<< Occupied Bandwidth (CDMA) >>

M Measure : Single
Storage : Normal
U Method : FFT

Occ. BW



OCC BW (99%) : 1.27 MHz

Upper Limit : 0.63 MHz

Lower Limit : -0.64 MHz

Center (Upper+Lower)/2 :
892.499 MHz

Measure
Method *

Storage
Mode *

Calibration *

Adjust
Range

Back
Screen →

1

1

Channel #

Frequency #

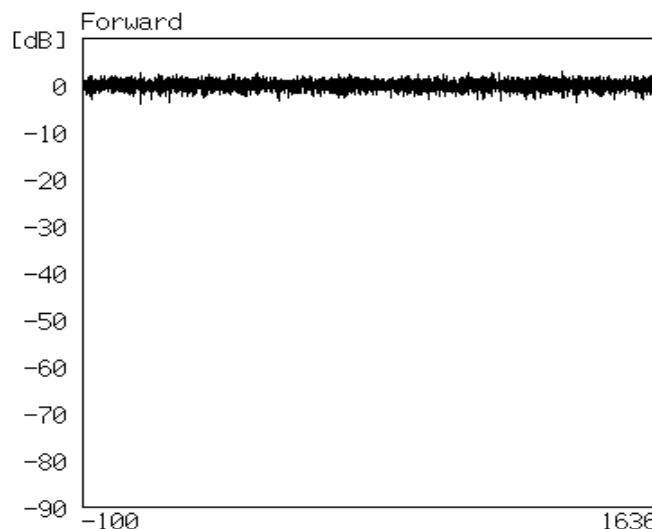
Level #

Main Func
On Off

ATDE
<< RF Power (CDMA) >>

M Storage : Average (10/ 10)
U Tx Power :
5.90 dBm

RF Power



Window *

Marker *

Storage
Mode *

Calibration *

Adjust
Range

Back
Screen →

1 2

1

Channel #

Frequency #

Level #

Main Func
On Off

ATDE
<< Waveform Display (CDMA) >>

M Measure : Continuous
Storage : Normal
U Trace : Constellation

Waveform

Trace
Format *

Marker *

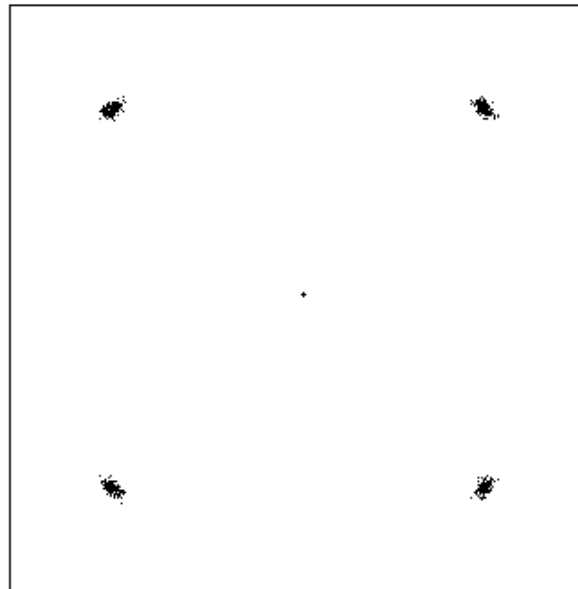
Storage
Mode *

Calibration *

Adjust
Range

Back
Screen →

1



Frequency :
892.499 999 5 MHz
Frequency Error :
-0.000 6 kHz
 ρ : 0.99778

Channel : 750CH Frequency : 892.500 000MHz Level : -6dBm

Channel #

Frequency #

Level #

Main Func
On Off

CDMA Uplink

ATDE

<< Setup Common Parameter (CDMA) >>

Frequency
 Channel & Frequency : [25CH] = [825.750000MHz]
 Channel Spacing : [1.250000MHz]

Level
 Reference Level : [-9.0dBm]

Signal
 Measuring Object : [Reverse]
 Data Rate : [9600bps/14400bps]
 Modulation Analysis Length : [615PNchip]
 Filter : [Filtering]

PN Synchronization : [PN Search]
 PN Offset : [0] * 64 PNchip
 τ Reference : [Nothing]
 PN Trigger Edge : [Rise]
 PN Trigger Delay : [0.000PNchip]

User Cal Factor : [1.00dB]

TX Measure

All Measure →

Modulation
Analysis →

RF Power →

Occupied
Bandwidth →

Spurious →
close to
the Carrier

Code Domain
Analysis →

1 2

1

TX Measure				
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Main Func
On Off

ATDE

<< All Measure (CDMA) >>

M

U

Storage : Average (10/ 10)

Page(1/2)

Pass/Fail

Frequency
 Carrier Frequency : 825.749 998 4 MHz
 Carrier Frequency Error : -0.20 ppm Pass

Waveform Quality
 ρ(Waveform Quality Factor) : 0.99786 Pass

Modulation
 RMS Vector Error : 2.67 % (rms) Pass
 Peak Vector Error : 8.92 % Pass
 Phase Error : 1.42 deg. (rms) Pass
 Magnitude Error : 0.98 % (rms) Pass
 Origin Offset : -28.02 dB Pass

RF Power (Smoothing Filter)
 TX Power : -9.61 dBm Pass

Occupied Bandwidth (FFT)
 Occupied Bandwidth : 1.27 MHz Pass

Storage Mode

Normal

Average

Average #
Count

Refresh
Interval
Every Once

return

Total Judgement
Pass

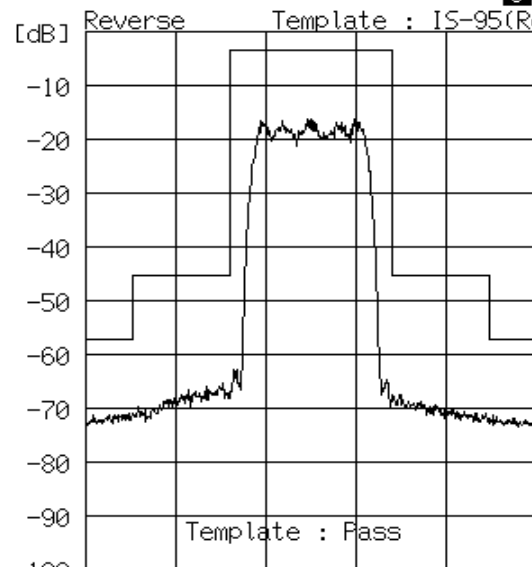
1

Channel : 25CH Frequency : 825.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #		
-----------	-------------	---------	--	--

Main Func
On Off

ATDE
 << Spurious close Carrier(CDMA) >> **M** Storage : Average (10/ 10)
U Method : Spectrum
 Template : IS-95(Reverse, Relative)



Tx Power : -9.56 dBm

Offset Freq. vs Power
 -1.980 MHz : -77.14 dBm
 -0.900 MHz : -74.25 dBm
 0.900 MHz : -74.04 dBm
 1.980 MHz : -78.04 dBm

Marker :
 Offset Frequency 0.00 MHz
 Power(RBW:30kHz) -23.33 dBm

Span : 5.00MHz RBW: 30kHz
 Channel : 25CH Frequency : 825.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #	Span #	RBW #

Adj. CH

Measure *

Unit *

Storage *

Calibration *

Adjust Range

Back Screen →

1 2

1

Main Func On Off

ATDE
 << Modulation Analysis (CDMA) >> **M** Measure : Single
U Storage : Normal

Frequency
 Carrier Frequency : 825.749 999 4 MHz
 Carrier Frequency Error : -0.000 6 kHz

Waveform Quality
 ρ(Waveform Quality Factor) : 0.99772

Modulation
 RMS Vector Error : 3.01 % (rms)
 Peak Vector Error : 8.99 %
 Phase Error : 1.63 deg. (rms)
 Magnitude Error : 0.96 % (rms)
 Origin Offset : -28.15 dB

Mod. Anal.

Waveform Display →

Storage *

Calibration *

Adjust Range

Back Screen →

1

Channel : 25CH Frequency : 825.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #		

Main Func On Off

ATDE
 << Waveform Display (CDMA) >>

M Measure : Continuous
U Storage : Over Write
U Trace : Constellation

Storage Mode

Normal

Over Write

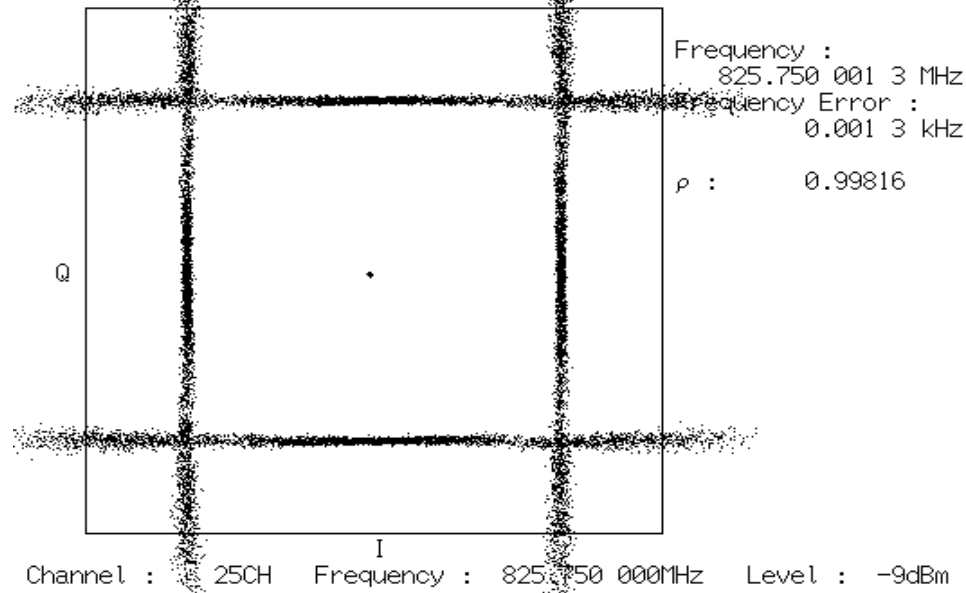
Filter to
 Nyquist
☒ On ☐ Off

return

1

1

Main Func
☒ On ☐ Off



Channel #

Frequency #

Level #

ATDE
 << Occupied Bandwidth (CDMA) >>

M Storage : Average (10/ 10)
U Method : Spectrum

Occ. BW

Measure
 Method

Storage
 Mode

Calibration

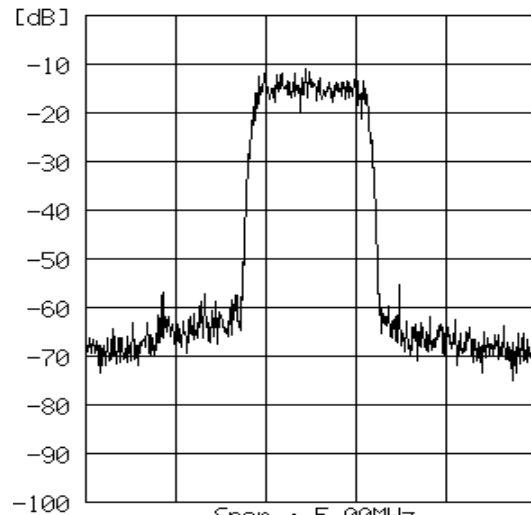
Adjust
 Range

Back
 Screen

1

1

Main Func
☒ On ☐ Off



Channel : 25CH Frequency : 825.750 000MHz Level : -9dBm

Channel #

Frequency #

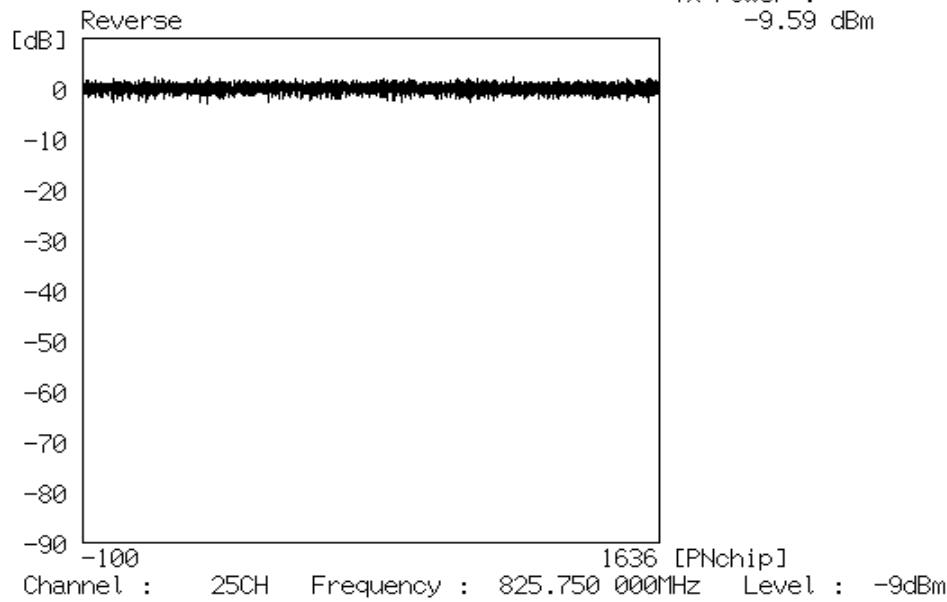
Level #

ATDE
<< RF Power (CDMA) >>

M Storage : Average (10/ 10)
U

Tx Power :
-9.59 dBm

RF Power



Window *
Marker *
Storage Mode *
Calibration *
Adjust Range
Back Screen →
1 2

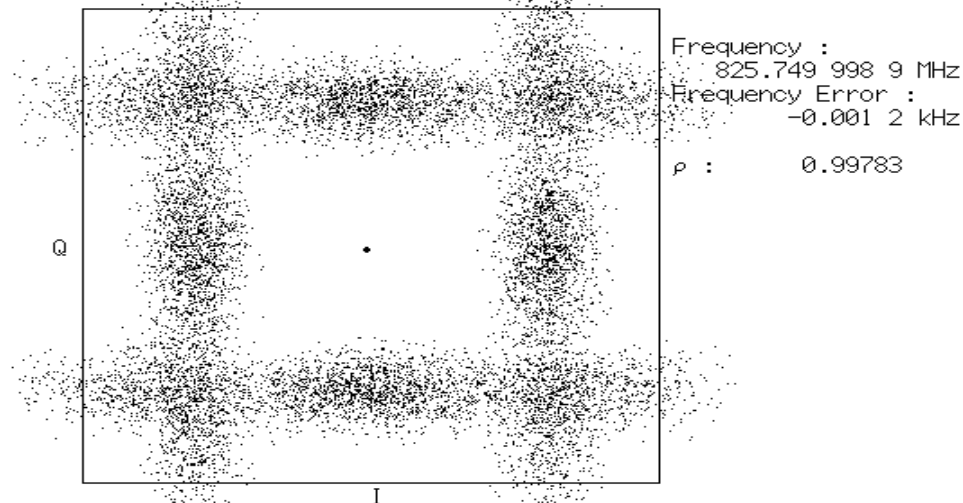
Channel #	Frequency #	Level #		

1
Main Func
On Off

ATDE
<< Waveform Display (CDMA) >>

M Measure : Continuous
Storage : Over Write
U Trace : Constellation

Storage Mode



Normal
Over Write
Filter to Nyquist
On Off
return
1

Channel : 25CH Frequency : 825.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #		

1
Main Func
On Off

ATDE

<< Setup Common Parameter (CDMA) >>

Frequency
 Channel & Frequency : [383CH] = [836.500000MHz]
 Channel Spacing : [1.250000MHz]
 Level
 Reference Level : [-9.0dBm]
 Signal
 Measuring Object : [Reverse]
 Data Rate : [9600bps/14400bps]
 Modulation Analysis Length : [615PNchip]
 Filter : [Filtering]
 PN Synchronization : [PN Search]
 PN Offset : [0] * 64 PNchip
 ε Reference : [Nothing]
 PN Trigger Edge : [Rise]
 PN Trigger Delay : [0.000PNchip]
 User Cal Factor : [1.00dB]

TX Measure

All Measure →

Modulation Analysis →

RF Power →

Occupied Bandwidth →

Spurious close to the Carrier →

Code Domain Analysis →

1 2

1

TX Measure

Main Func On Off

ATDE

<< All Measure (CDMA) >>

M Measure : Single
U Storage : Normal

Page(1/2)

Pass/Fail

Frequency
 Carrier Frequency : 836.500 000 5 MHz
 Carrier Frequency Error : 0.06 ppm Pass
 Waveform Quality
 ρ(Waveform Quality Factor) : 0.99808 Pass
 Modulation
 RMS Vector Error : 2.07 % (rms) Pass
 Peak Vector Error : 6.00 % Pass
 Phase Error : 1.03 deg. (rms) Pass
 Magnitude Error : 1.04 % (rms) Pass
 Origin Offset : -27.82 dB Pass
 RF Power (Smoothing Filter)
 TX Power : -9.70 dBm Pass
 Occupied Bandwidth (FFT)
 Occupied Bandwidth : 1.27 MHz Pass

All Measure

Previous Page

Next Page

* Storage Mode

* Calibration

Adjust Range

Back Screen →

1

Total Judgement Pass

Channel : 383CH Frequency : 836.500 000MHz Level : -9dBm

1

Channel #

Frequency #

Level #

Main Func On Off

ATDE
<< Modulation Analysis (CDMA) >>

M Measure : Single
U Storage : Normal

Mod. Anal.

Frequency
Carrier Frequency : 836.500 008 3 MHz
Carrier Frequency Error : 0.008 3 kHz

Waveform Quality
 ρ (Waveform Quality Factor) : 0.99797

Modulation
RMS Vector Error : 2.56 % (rms)
Peak Vector Error : 7.55 %
Phase Error : 1.36 deg. (rms)
Magnitude Error : 0.97 % (rms)
Origin Offset : -28.17 dB

Waveform
Display

Storage
Mode

Calibration

Adjust
Range

Back
Screen

1

Channel : 383CH Frequency : 836.500 000MHz Level : -9dBm

Channel #

Frequency #

Level #

Main Func
On Off

ATDE
<< RF Power (CDMA) >>

M Storage : Average (10/ 10)
U

RF Power

Window

Marker

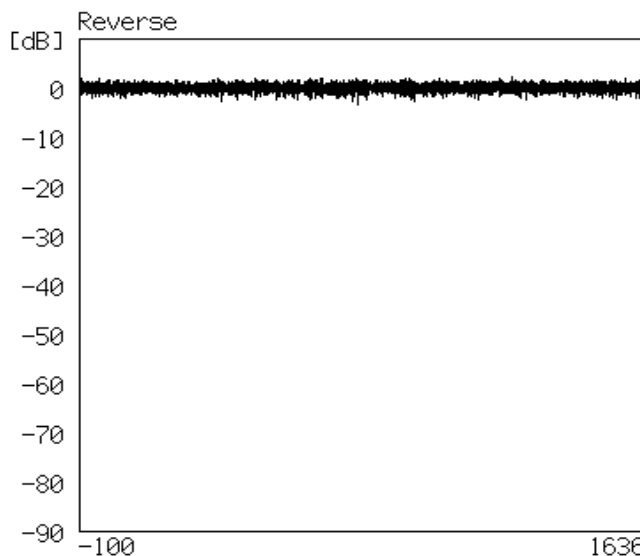
Storage
Mode

Calibration

Adjust
Range

Back
Screen

1 2



Tx Power :
-9.72 dBm

Channel : 383CH Frequency : 836.500 000MHz Level : -9dBm

Channel #

Frequency #

Level #

Main Func
On Off

ATDE

<< Setup Common Parameter (CDMA) >>

Frequency
 Channel & Frequency : [750CH] = [847.750000MHz]
 Channel Spacing : [1.250000MHz]
 Level
 Reference Level : [-9.0dBm]
 Signal
 Measuring Object : [Reverse]
 Data Rate : [9600bps/14400bps]
 Modulation Analysis Length : [615PNchip]
 Filter : [Filtering]
 PN Synchronization : [PN Search]
 PN Offset : [0] * 64 PNchip
 τ Reference : [Nothing]
 PN Trigger Edge : [Rise]
 PN Trigger Delay : [0.000PNchip]
 User Cal Factor : [1.00dB]

TX Measure

All Measure →

Modulation
Analysis →

RF Power →

Occupied
Bandwidth →

Spurious→
close to
the Carrier

Code Domain
Analysis →

1 2

1

TX Measure				
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Main Func
On Off

ATDE

<< All Measure (CDMA) >>

M Measure : Continuous
U Storage : Normal

Page(1/2)

Pass/Fail

Frequency
 Carrier Frequency : 847.749 995 0 MHz
 Carrier Frequency Error : -0.59 ppm Pass
 Waveform Quality
 ρ(Waveform Quality Factor) : 0.99509 Pass
 Modulation
 RMS Vector Error : 7.27 % (rms) Pass
 Peak Vector Error : 18.65 % Pass
 Phase Error : 2.53 deg. (rms) Pass
 Magnitude Error : 5.79 % (rms) Pass
 Origin Offset : -28.50 dB Pass
 RF Power (Smoothing Filter)
 TX Power : -9.87 dBm Pass
 Occupied Bandwidth (FFT)
 Occupied Bandwidth : 1.27 MHz Pass

Total Judgement
Pass

All Measure

Previous
Page

Next
Page

*
Storage
Mode

*
Calibration

Adjust
Range

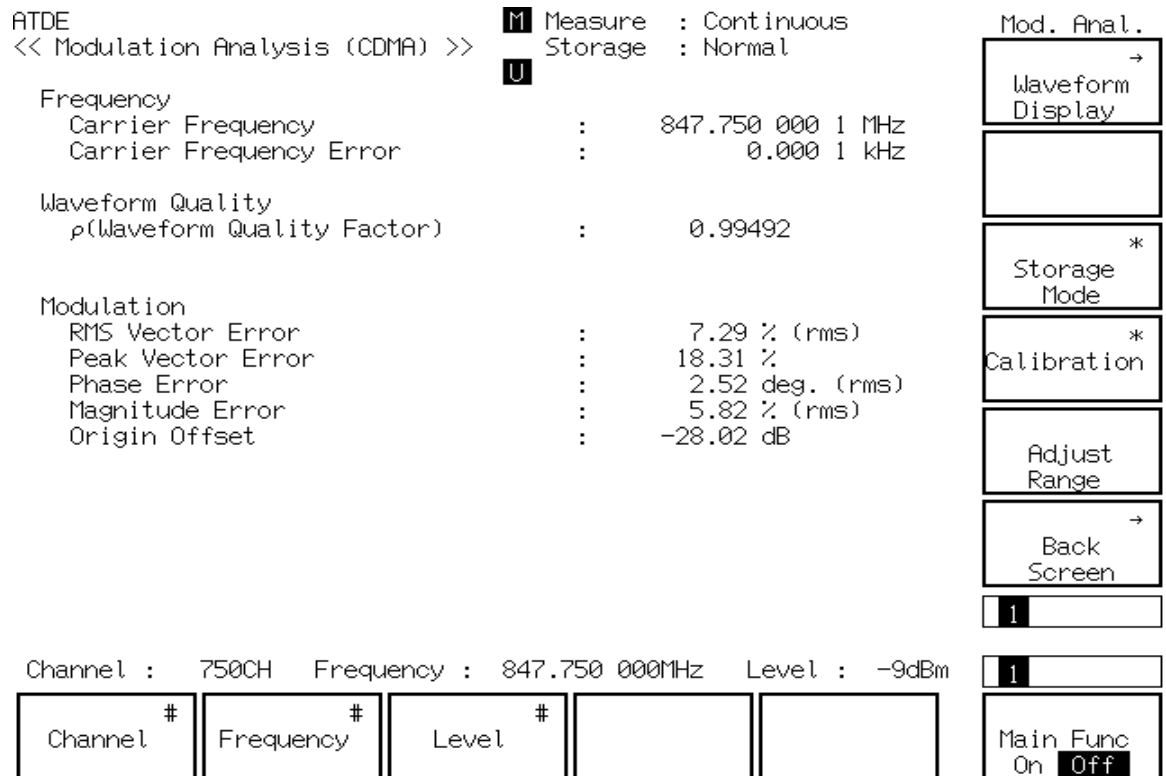
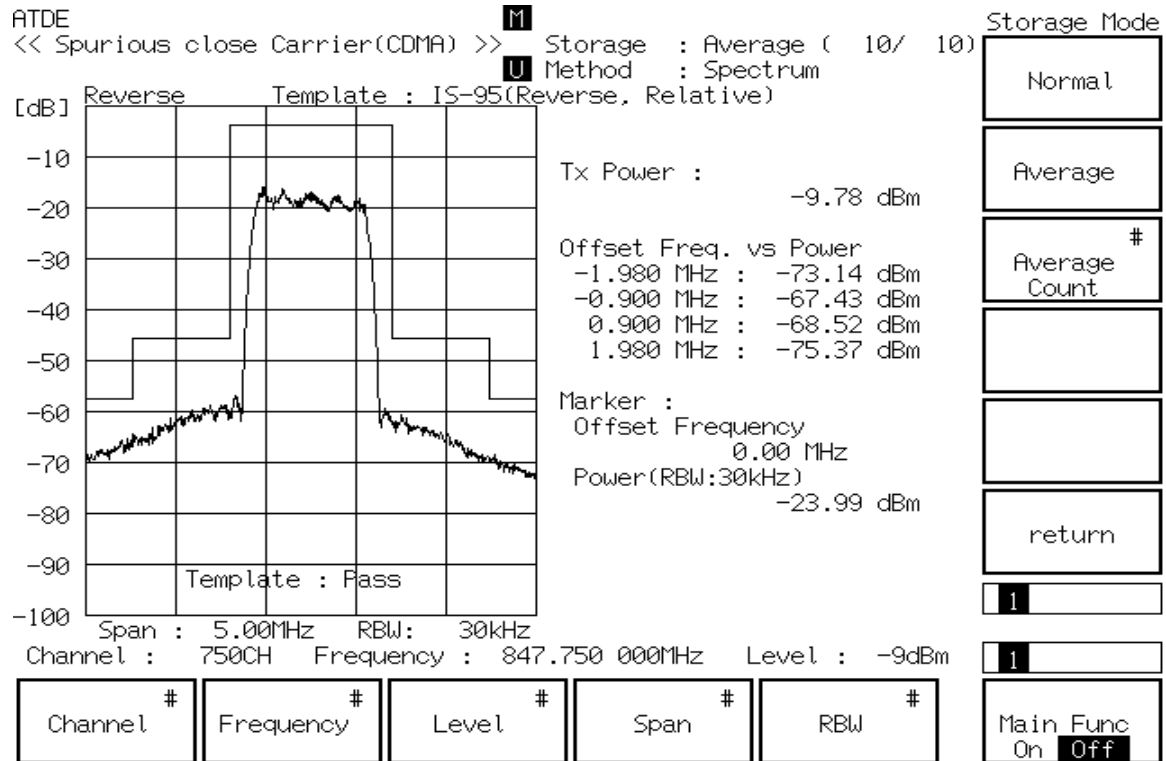
→
Back
Screen

1

Channel : 750CH Frequency : 847.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #		
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Main Func
On Off



ATDE
 << Waveform Display (CDMA) >>

M Measure : Continuous
 Storage : Over Write
U Trace : Constellation

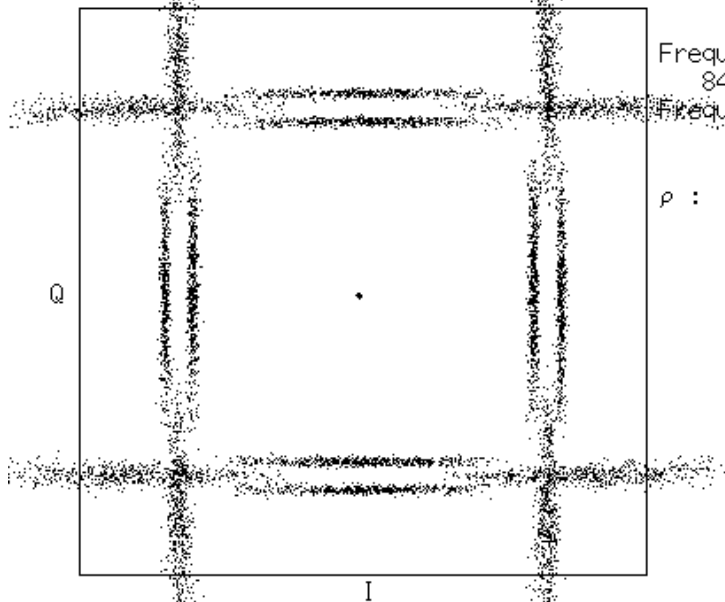
Storage Mode

Normal

Over Write

Frequency :
 847.749 997 6 MHz
 Frequency Error :
 -0.002 4 kHz

ρ : 0.99484



Filter to
 Nyquist
☒ On ☐ Off

return

1

Channel : 750CH Frequency : 847.750 000MHz Level : -9dBm

Channel #

Frequency #

Level #

Main Func
☒ On ☐ Off

ATDE
 << Occupied Bandwidth (CDMA) >>

M Storage : Average (10/ 10)
U Method : Spectrum

Method

Spectrum

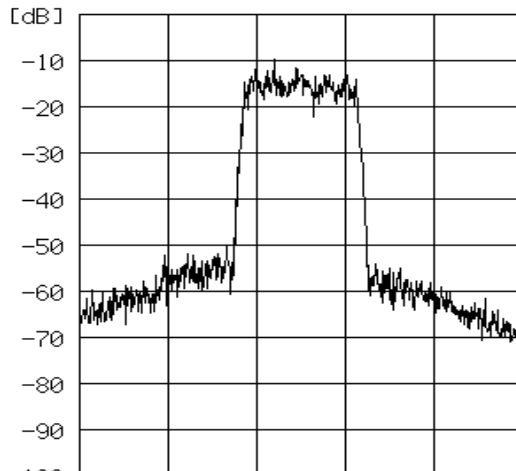
FFT

OCC BW (99%) : 1.30 MHz

Upper Limit : 0.65 MHz

Lower Limit : -0.66 MHz

Center (Upper+Lower)/2 :
 847.745 MHz



Span : 5.00MHz
 Channel : 750CH Frequency : 847.750 000MHz Level : -9dBm

Channel #

Frequency #

Level #

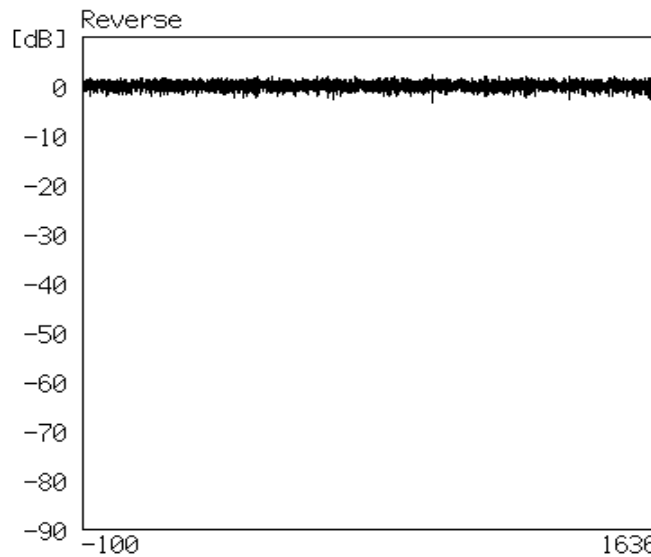
Main Func
☒ On ☐ Off

ATDE
<< RF Power (CDMA) >>

M Storage : Average (10/ 10)
U

Tx Power :
-9.71 dBm

RF Power



Channel : 750CH Frequency : 847.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #		

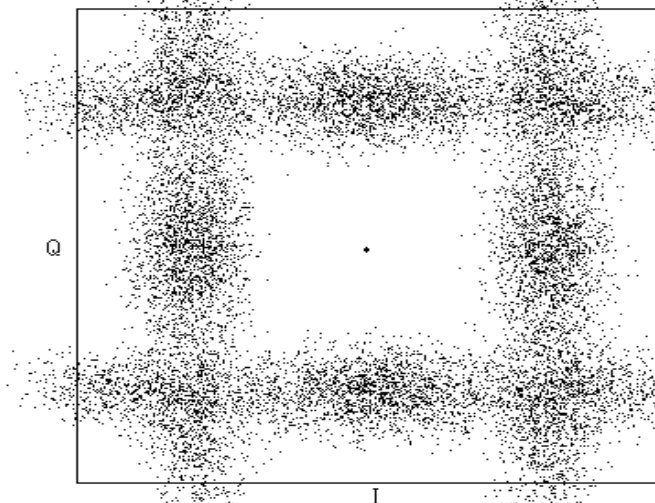
Window *
Marker *
Storage Mode *
Calibration *
Adjust Range
Back Screen →
1 2

1
Main Func On Off

ATDE
<< Waveform Display (CDMA) >>

M Measure : Continuous
Storage : Over Write
U Trace : Constellation

Storage Mode



Frequency :
847.750 000 6 MHz
Frequency Error :
0.000 6 kHz
 ρ : 0.99513

Normal
Over Write
Filter to Nyquist On Off
return
1

Channel : 750CH Frequency : 847.750 000MHz Level : -9dBm

Channel #	Frequency #	Level #		

1
Main Func On Off