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PRODUCT INTRODUCTION

MX860850A/MX860950A HSDPA Measurement Software

ANRITSU CORPORATION

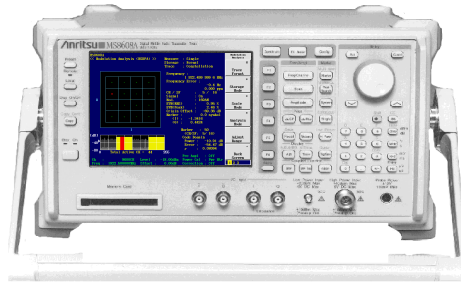
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HSDPA Measurement Software (MX860850A/MX860950A)

**Digital Mobile Radio Transmitter Tester
(MS8608A/MS8609A)**

Product Introduction (Version 2.0)



**Anritsu Corporation
Wireless Measurement Div.**

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MX860850A/MX860950A-E-I-1

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**Digital Mobile Radio Transmitter Tester
(MS8608A/MS8609A)**

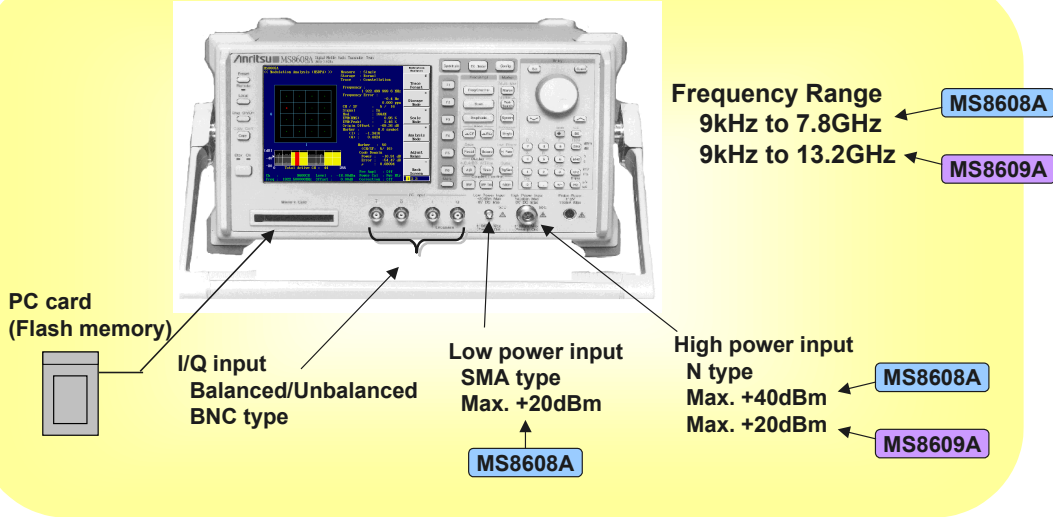
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Appearance

• MS8608/MS8609A front panel



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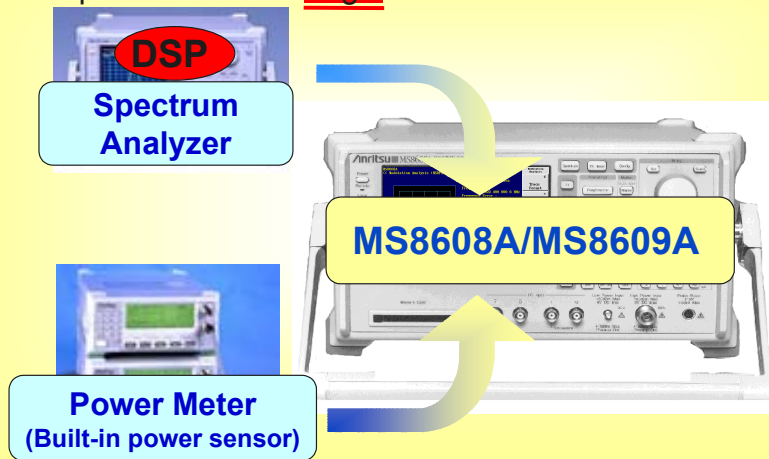
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Product concept

-Configuration (MS8608/MS8609A)

Modulation analysis + Spectrum analysis + Power measurement are all performed on a single instrument.



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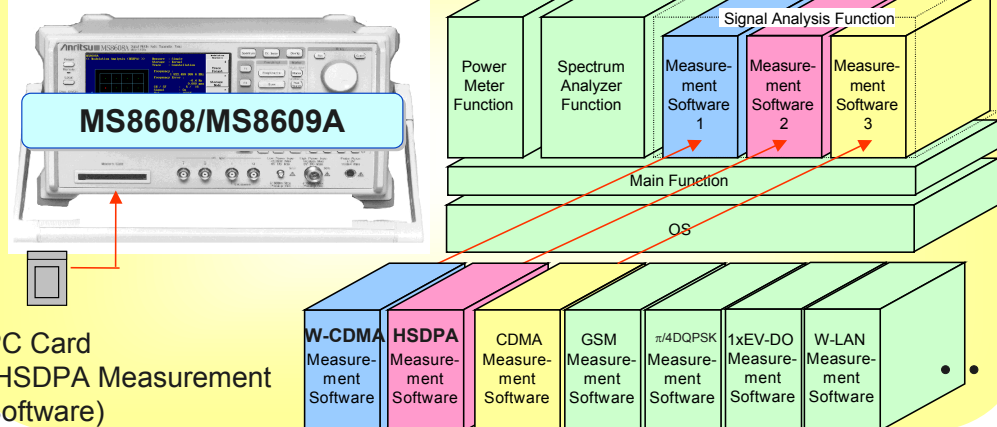
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Product concept

Various supporting systems and extendability

- Max.3 systems can be installed simultaneously.
- Analysis functions are selectable for various mobile communication systems.



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Feature

- ◆ Modulation analysis+Spectrum analysis+Power measurement are all performed on a single instrument.
- ◆ Supporting variety of Standards (HSDPA,W-CDMA,GSM, etc.)
- ◆ Compact and portable chassis
- ◆ Broad analytical bandwidth (up to 20MHz)

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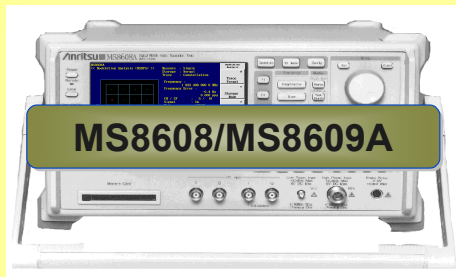
HSDPA Measurement Software (MX860850A/MX860950A)

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Product concept



+

MX860x01B
W-CDMA Measurement Software

MX860x50A
HSDPA Measurement Software



Single instrument is able to evaluate
all transmission test items of
HSDPA base stations

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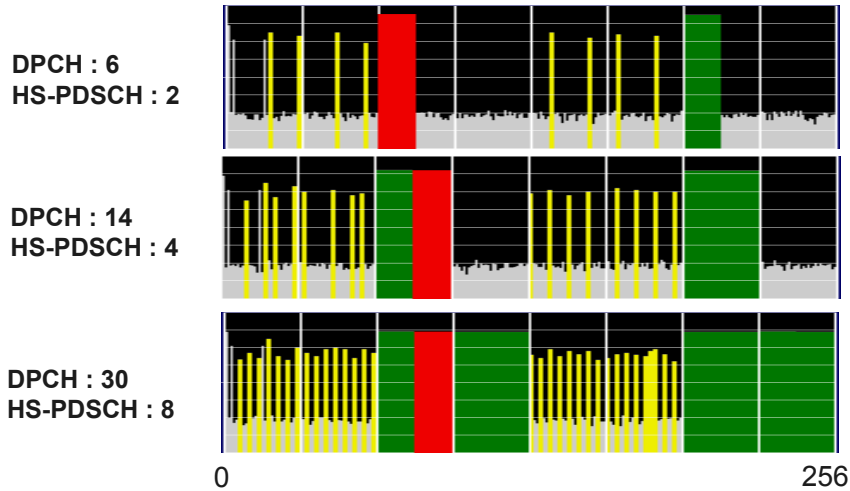
■ Supporting test item list

TS25.141 V5.4.0	Transmission test item	
6.2.1	Max. output power	HSDPA Measurement Software
6.2.2	CPICH power accuracy	
6.3	Frequency accuracy	
6.4.2	Power control step	W-CDMA Measurement Software
6.4.3	Power control dynamic range	
6.4.4	Total power dynamic range	
6.5.1	Occupied bandwidth	
6.5.2.1	Spectrum emission mask	
6.5.2.2	Adjacent ch. leakage power ratio	
6.5.3	Spurious emissions	
6.6	Transmit intermodulation	
6.7.1	Modulation accuracy	HSDPA Measurement Software
6.7.2	Peak code domain error	HSDPA Measurement Software

-Features

- 1) Total evaluation of Test Model 5
- 2) Modulation analysis per code channel
- 3) Multi carrier base-band signal analysis
- 4) Multi carrier CCDF measurement
- 5) Demodulated data display (Max.10 frames)

1) Total evaluation of Test Model 5



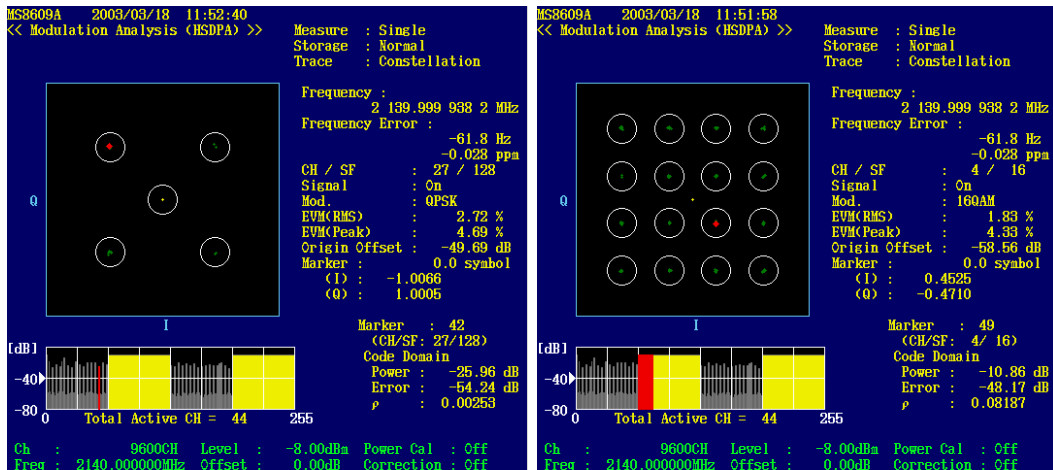
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2) Modulation analysis per code channel

•Able to confirm the state of code channels which are susceptible to distortion in circuit such as the 16QAM-modulated code channel.



Constellation & Code domain display

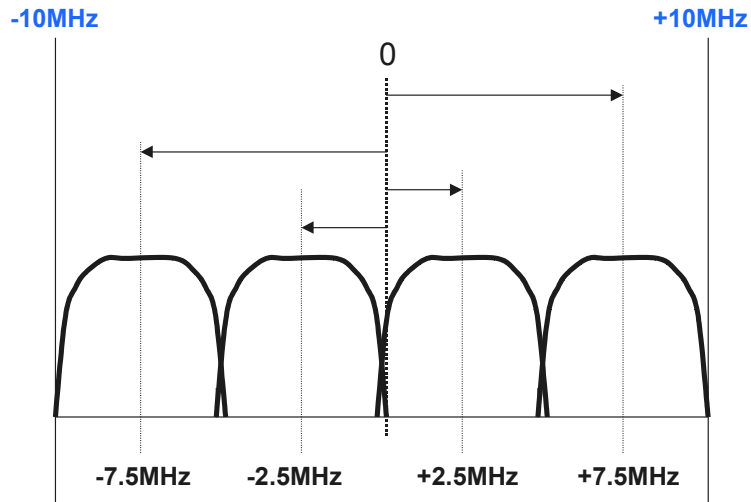
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3) Multi carrier base-band signal analysis

•Able to analyze the base-band signal with frequency offset in frequency range **-10MHz ~ +10MHz**.(Max. 4 carriers)



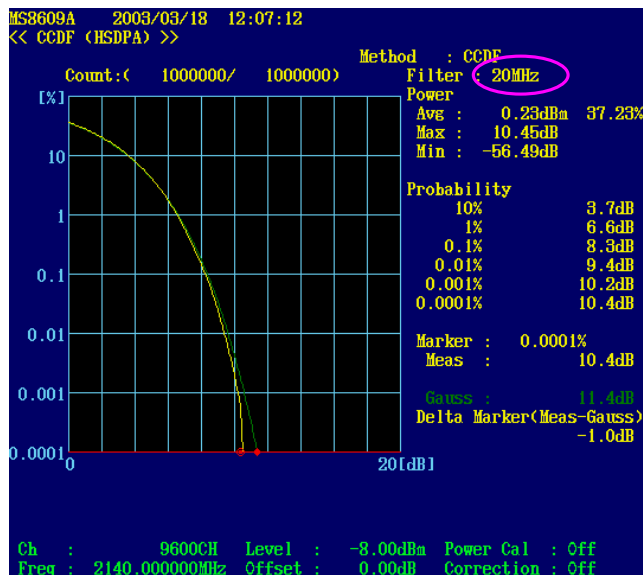
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4) Multi carrier CCDF measurement

•**20MHz** wide-band filter is selectable. This enables to analyze max. **4** carriers of HSDPA signal (max.5MHz /carrier) . (same applies to W-CDMA)



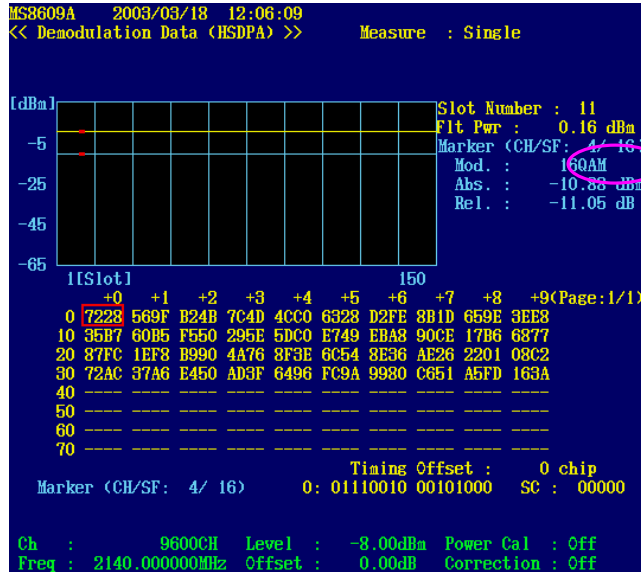
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5) Demodulated data display (Max.10 frames)

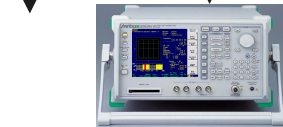
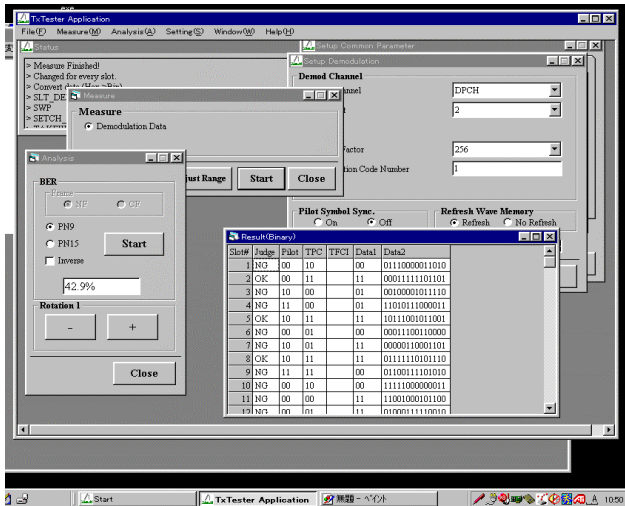
- Despread demod. data is displayed for the evaluation of base band.



Future development plan

- Enriched functions with PC application

GPIB or RS232C



- BER measurement of specified CH
- Max.10 frames
- Test Model signal evaluation
- Code Domain Power level
- Timing Offset, etc.

e.g.) BER meas. screen example



Specifications are subject to change without notice.

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