Product Introduction

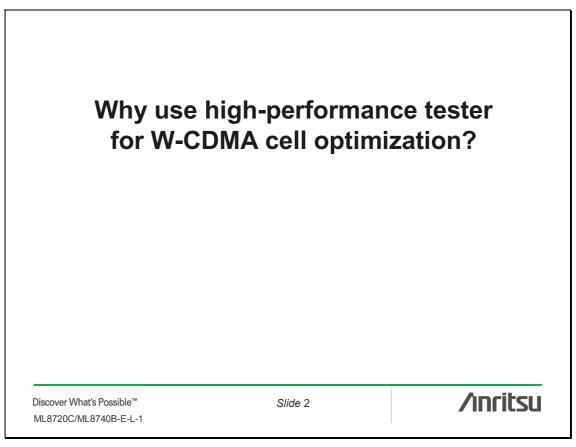
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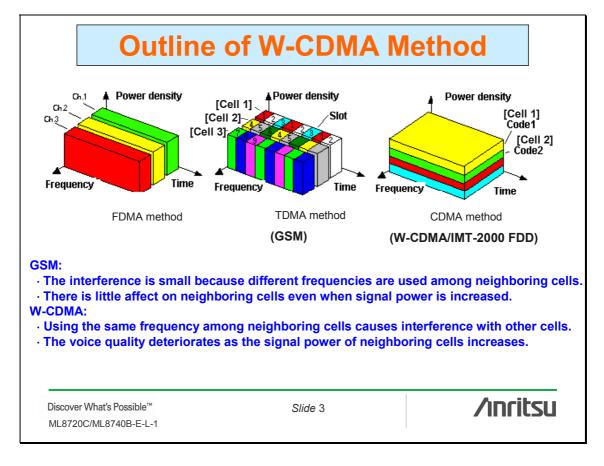
ML8720C Area Tester

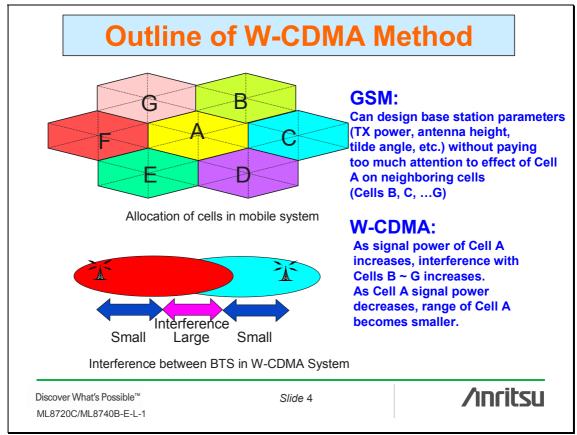
ML8740B

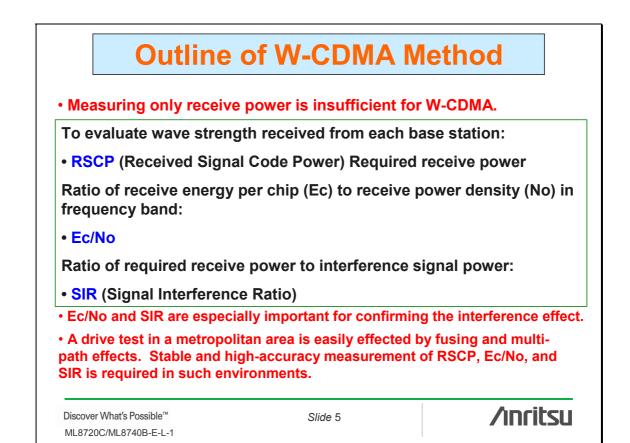
Area Scanner

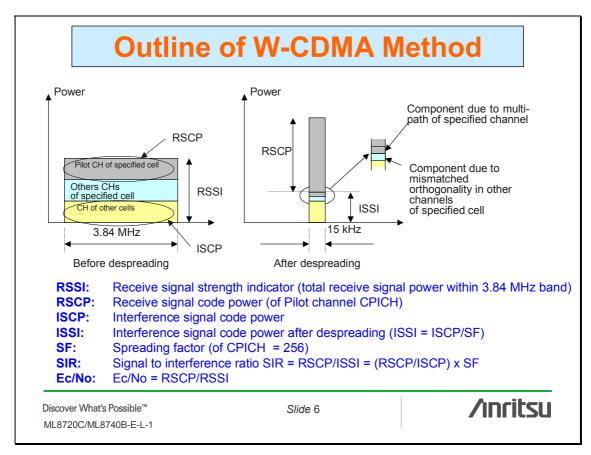
ML87	20C Area Te	ster
	and	
ML874	IOB Area Sca	anner
Pro	duct Introduct	tion
	Anritsu Corporation	
	Version 1.00	
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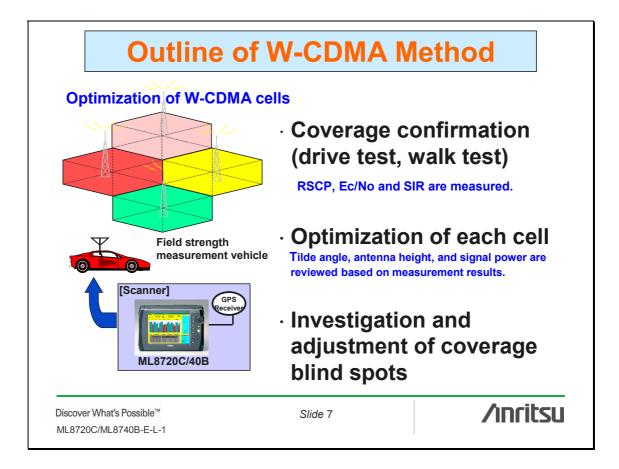


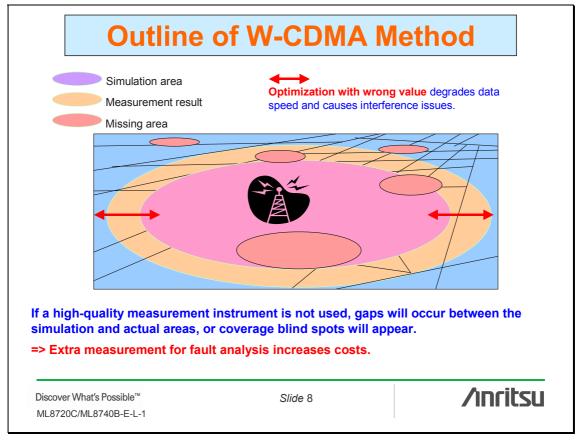


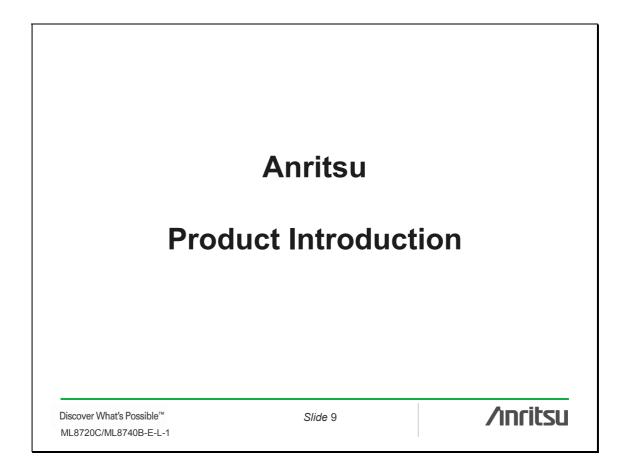






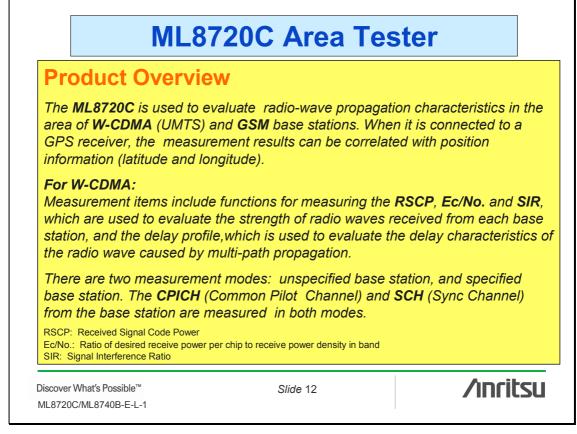








	ML8720C	
	Area Tester	
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ML8720C Area Tester

Product Overview

For GSM:

GSM base stations can be measured by installing the **MX872004C GSM Measurement Software.** Specified base station, unspecified base station, and combined measurement of specified and unspecified base stations are all supported. The search channel range for unspecified base station measurement can be set using the GSM channel code search range.

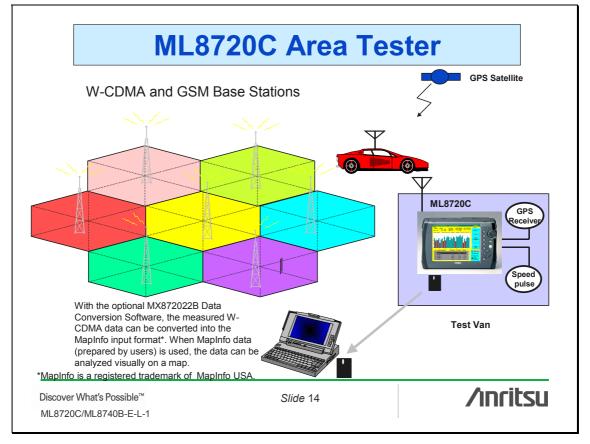
Up to 200 search ranges can be set so measurement, excluding unnecessary channels like TCH, etc., can be performed by setting only **BCH** as the search range.

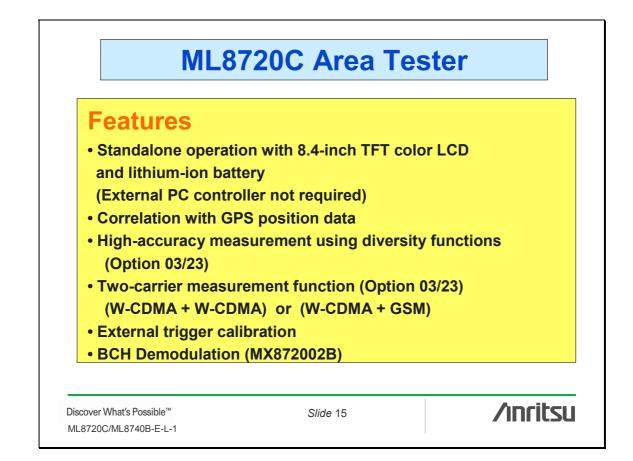
Measurement items include functions for measuring **RSSI** and **C/I**, which are used to evaluate the strength of radio waves received from each base station, and support **BSIC** decoding.

RSSI: Received Signal Strength Indicator C/I: Carrier to Interference Ratio BSIC: Base transceiver Station Identity Code

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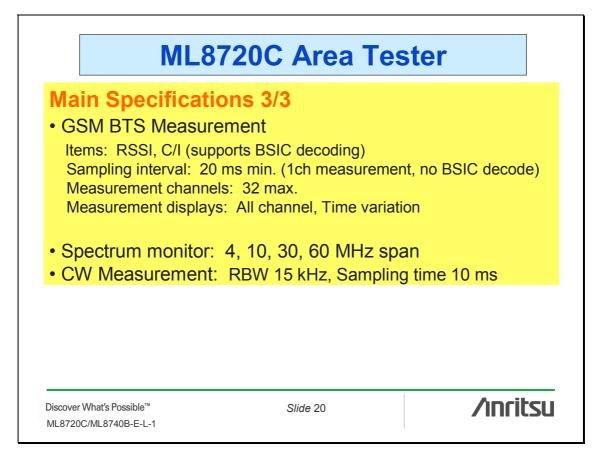




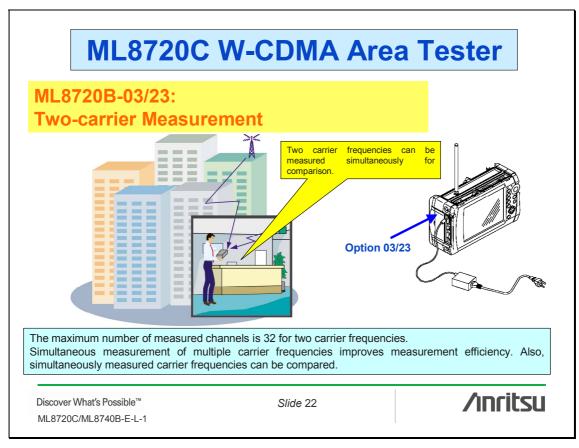


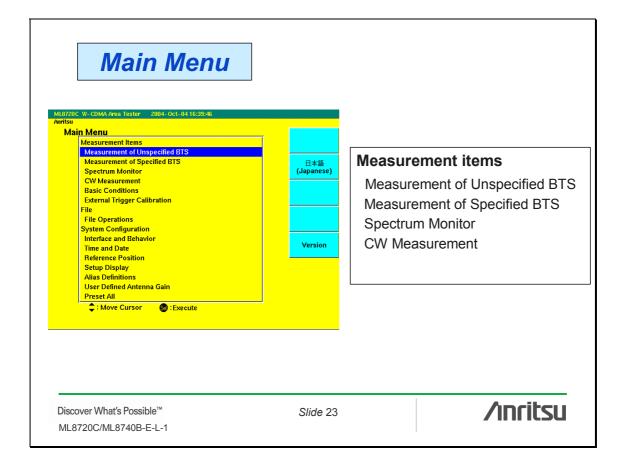
ML	8720C Area Tes	ster
Main Specifica	tions 1/3	
Frequency range	: RF Input 1 925 to 960 M 1805 to 1880 2100 to 2170 M	MHz, /Hz
	RF Input 2 (Option 03 2100 to 2200 M	,
• Receive signals: W-CDMA P-CPICH, S-CPICH, P-SCH, S-SCH, P-CCPCH (at BCH demodulation)		
	GSM BCH (C/I Measurement a	and BSIC decode)
 Measurement items: Specified BTS, Unspecified BTS, Spectrum monitor, CW measurement 		
Discover What's Possible™ ML8720C/ML8740B-E-L-1	Slide 18	/inritsu

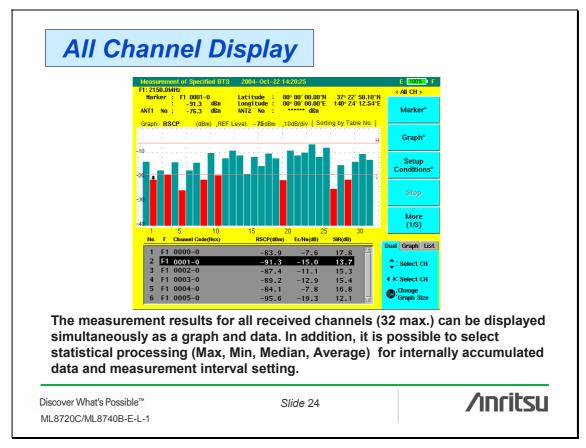
ML8	720C Area Test	ter
Main Specificat	ions 2/3	
Power measurement	ent	
Measurement range:		
	nt mode: -33 to -117 dBm ode: -40 to -110 dBm	
Spectrum monitor mod		
CW Measurement: -3		
Accuracy: ±2 dB (WCD		
Supported measuremen	± 1 dB typ. (23 $\pm 5^{\circ}$ C)	
W-CDMA BTS Me	t van speed: 0 to 100 km/h	
Items: RSCP, Ec/No, S		
	ns min. (at 1ch measurement)	
Measurement channels	: 32 max.	
Measurement displays:	All channel, Delay profile, Finge	er,
	Time variation, SCH E	Delay profile
Discover What's Possible™	Slide 19	/inritsu
ML8720C/ML8740B-E-L-1		

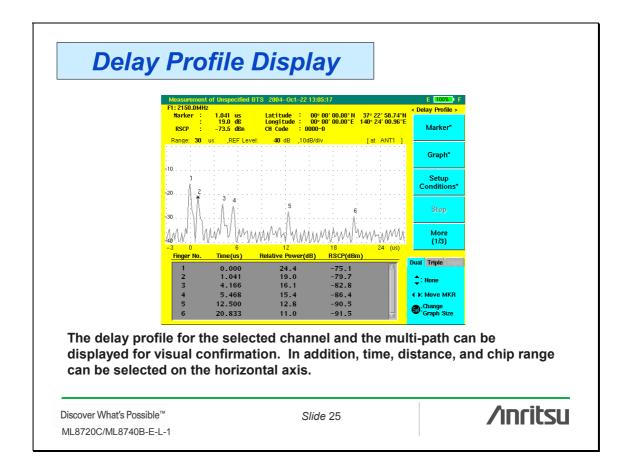


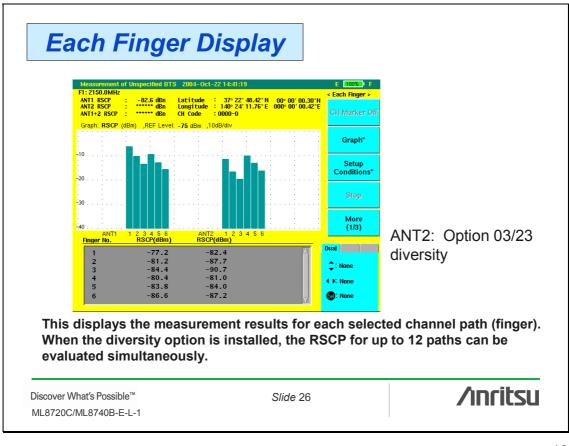


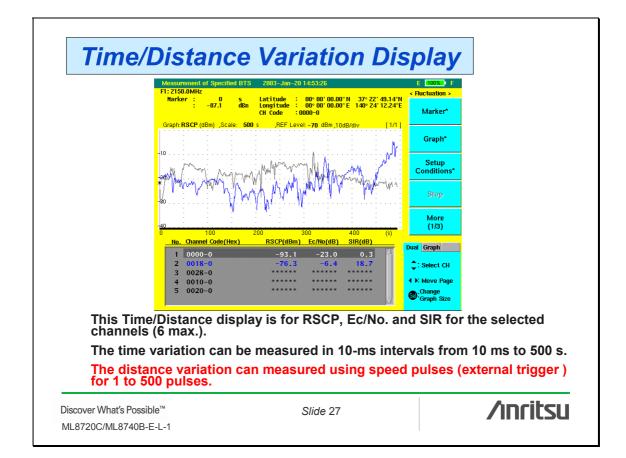


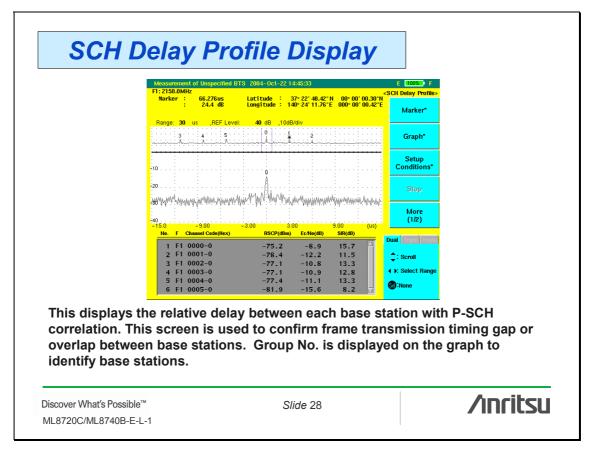


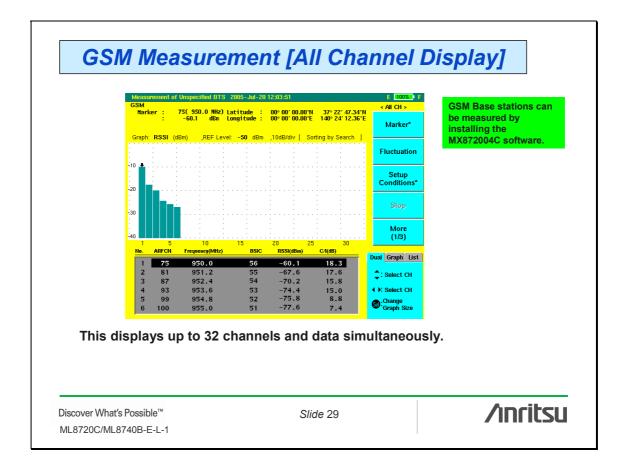


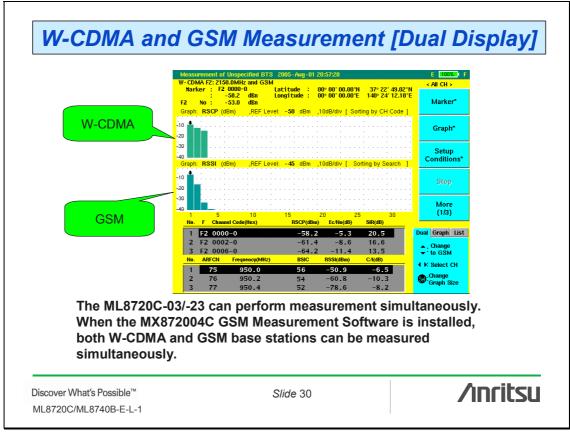


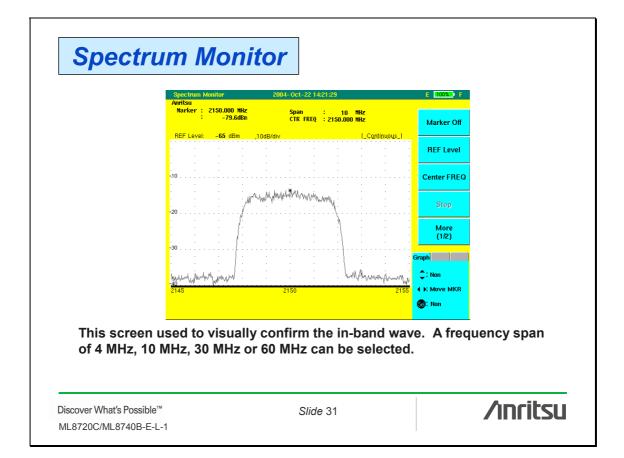


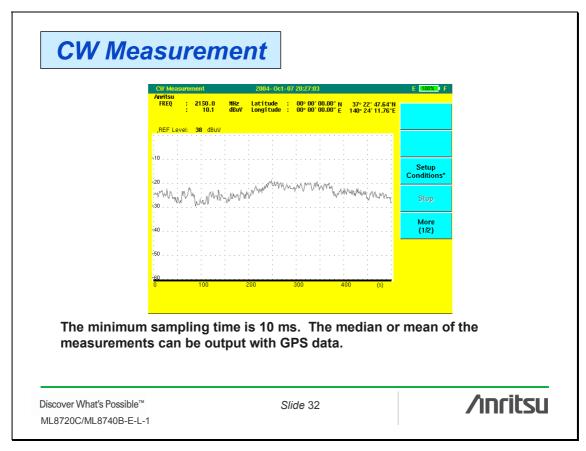


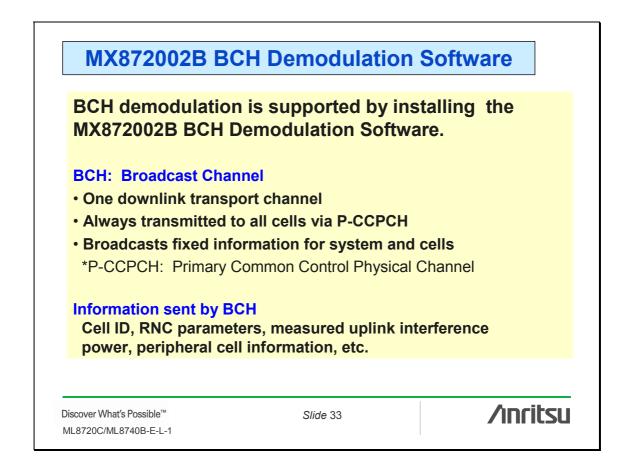


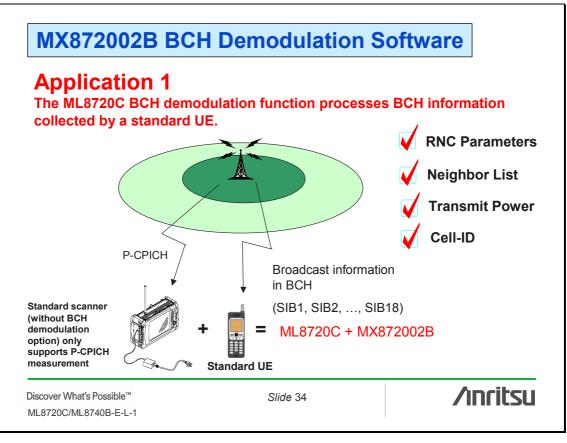


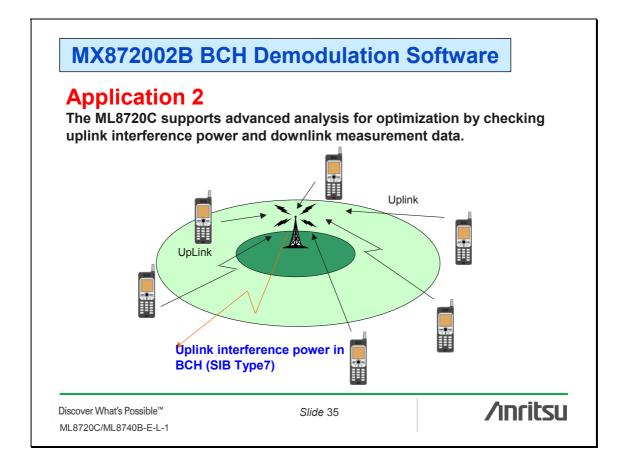


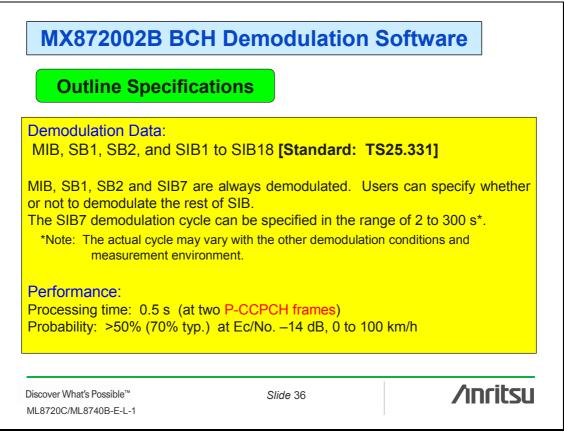


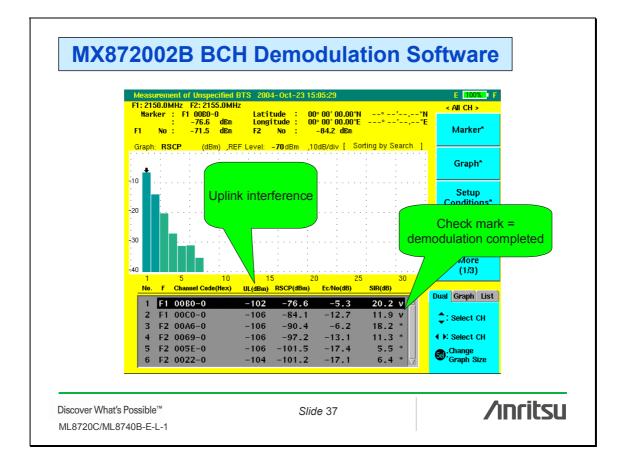


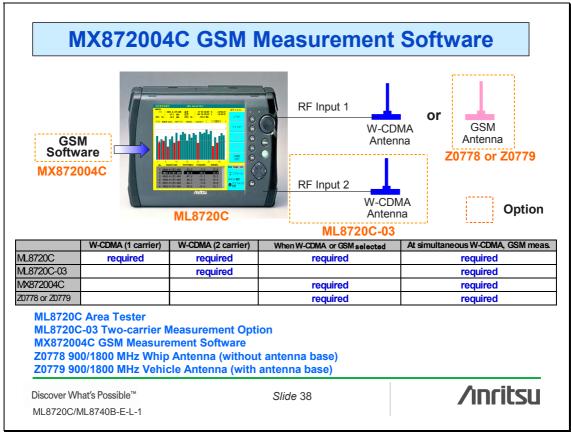


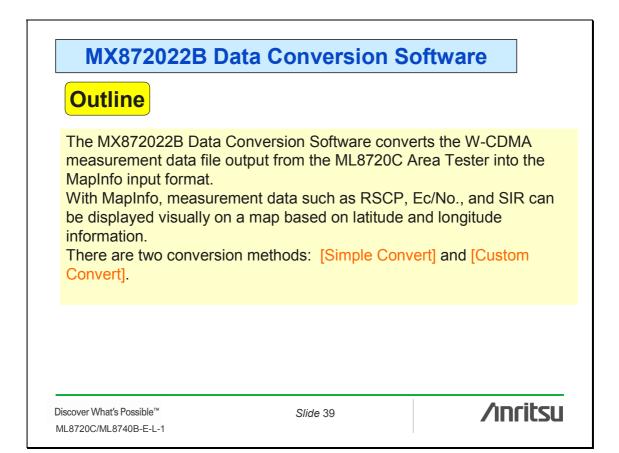


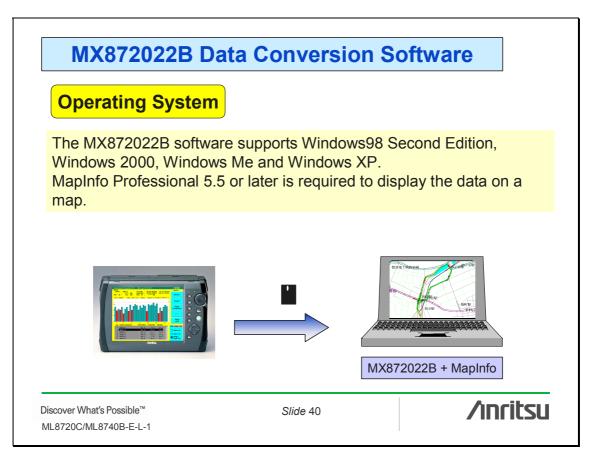






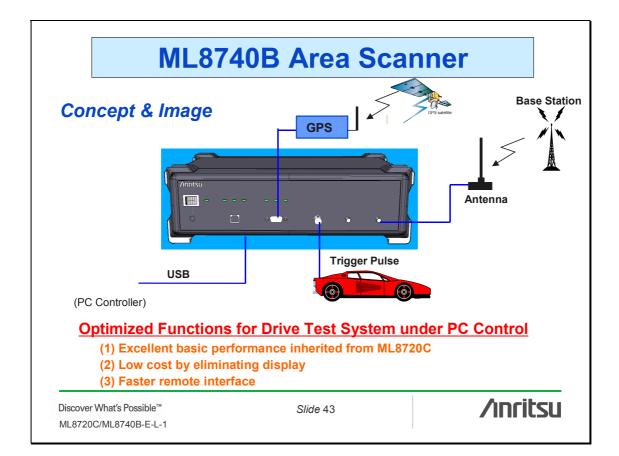






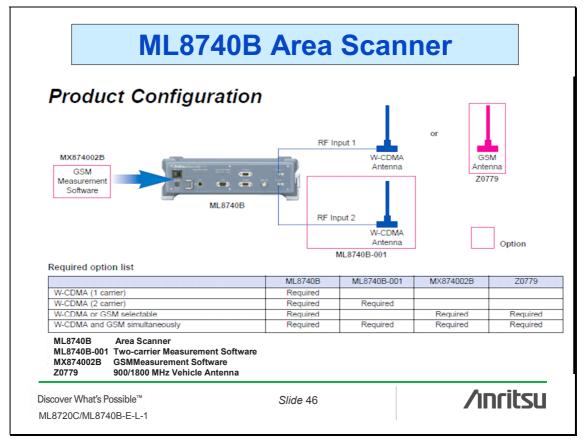


	ML8740B	
L	Area Scanner	,
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		Differences between ML8720B and ML87
		: Differences between ML8720B/C and ML
Item WCDMA BTS Measurement	ML8720 C Frequency range: 2110 to 2170 MHz (Other measuring functions and performar	ML8740B
GSM BTS Measurement	Supported by software	M900/E-GSM), 1805 Ğ1880 MHz (DCS1800) SM) not supported.
Spectrum Monitor, CW Measurement	(Same as ML8720B)	
BCH Demodulation (WCDMA)	Supported by software	
Two-carrier Measurement	Supported by option (simultaneous WCDMA/GSM measurement)	
PC Controller Interface	RS232C (Max. 115.2 kbps)	USB (Ver. 2.0 Full Speed) (Windows 2000/XP driver included)
GPS Interface	RS232C (NMEA-0183, max. 9.6 kbps)	Same as ML8720C (max. 38.4 kbps)
Sync. Interface	Sync. signal input/output (TTL, BNC connector)	Sync. input/output (TTL, Multi-pole connector)
Power	DC: 10 to 26.4 V AC: 100 to 240 V, 50 Va max. (Dedicated AC adapter) Battery: Lithium-ion battery pack	Same as ML8720C (Battery pack sold separately)
Mass and Dimensions	290W x 194H x 78D mm, <4.5 kg (Standard configuration incl. battery)	320W x 88H x 213D mm, <4 kg (Standard configuration excl. battery)
LCD, peripheral inter	etween ML8720C and ML8740E face (memory card, FDD, printer, ex mean frequency output, external re	ternal monitor, keyboard),



ML8740B Area Scanner

Options

ML8740B-11 Two Carrier Measurement Software

 Two Carrier Measurement Function This option permits simultaneous measurement of two carrier frequencies for both specified and unspecified base stations. When the MX874002B GSM Measurement Software option is installed, it is possible to perform simultaneous measurement of both W-CDMA and GSM base stations

Application Software

MX874001B BCH Demodulation Software

This software adds a BCH demodulation function for W-CDMA base stations to the ML8740B.

CDMA base stations to the ML8/40B. Information that can be demodulated: MIB, SB1, SB2, SIB1, SIB2, SIB3, SIB4, SIB5, SIB6, SIB7, SIB8, SIB9, SIB10, SIB11, SIB12, SIB13, SIB13-1, SIB13-2, SIB13-3, SIB13-4, SIB14, SIB15, SIB15-1, SIB15-2, SIB15-3, SIB15-4, SIB15-5, SIB16, SIB17, and SIB18. During measurement, the above system information is output as a binary file.

Diversity Function

At specified base station measurement, this function offers CPICH measurement of base stations supporting W-CDMA transmit diversity.

(The ML8740B-001 option and the ML8740B main frame Should be ordered together)

MX874002B GSM Measurement Software

This option adds GSM measurement functions to the ML8740B. It provides RSSI and C/I measurements as well as BSIC decoding in the GSP900 (E-GSM) and DCS1800 bands.

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Specifications are subject to change without notice.

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