

PRODUCT INTRODUCTION

MD8480B

W-CDMA Signalling Tester

MX848001A/41A-05

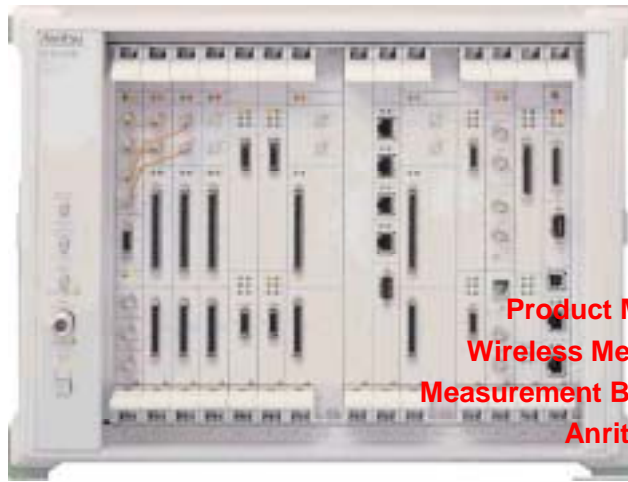
GSM Frequency Hopping

ANRITSU CORPORATION

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MD8480B W-CDMA Signalling Tester MX848001A/41A-05 GSM Frequency Hopping Product Introduction



Product Marketing Dept.
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Anritsu Corporation
Ver 1.0

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MX848001A/41A-05-E-I-1

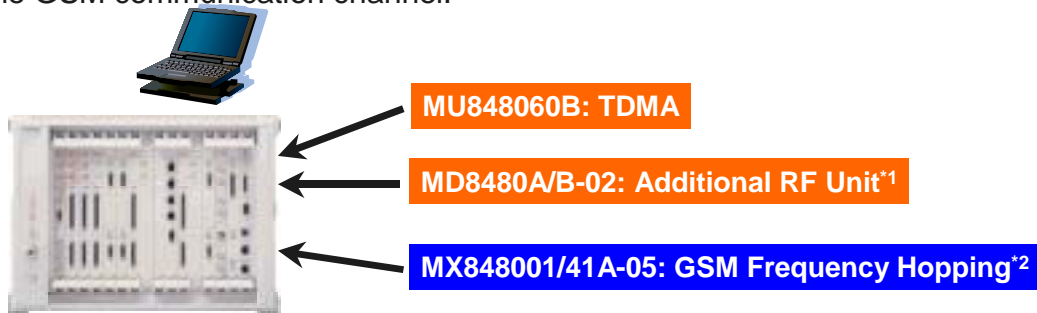
Slide 1

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Overview

GSM frequency hopping is utilized in the GSM mobile communications network for the improvement/equalization of communication quality and the improvement of spectrum usability.

The current option of MD8480B, MU848060B(TDMA) cannot realize frequency hopping in the GSM communication channel. Addition of the new software option (MX848001A/41A-05) supports frequency hopping in the GSM communication channel.



*1; The option Z0730 offers factory upgrade of MD8480A-01 that is already mounted in the mainframe to the additional RF unit that supports frequency hopping.

*2; MD8480A/B-20/21 MD8480 Support Service must be contracted.

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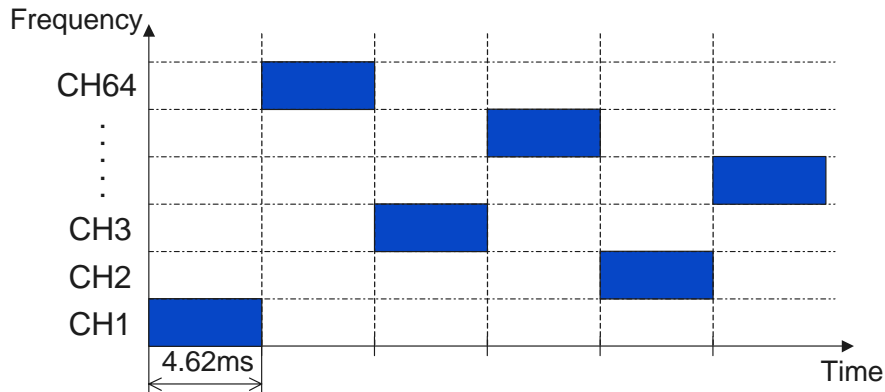
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GSM Frequency Hopping Function

When parameters are inputted based on the frequency hopping list (List of frequencies used for frequency hopping)^(*1), hopping is performed for the frequency determined by frequency selection algorithm in 4.62ms frame cycles. Thus, frequency hopping is realized in the GSM communication channel.

(*1)Can be set arbitrarily depending on the scenario.



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Model/Name

- MX848001A-05: GSM Frequency Hopping (when MX848041A is not mounted)
- MX848041A-05: GSM Frequency Hopping for Ciphering (when MX848041A is mounted)

Required product configuration

MD8480B	: W-CDMA Signalling Tester
MU848060B	: TDMA
MD8480A/B-02 ^(*1)	: Additional RF Unit (MD8480A-02; for MD8480A, MD8480B-02; for MD8480B)
MD8480A/B-20/21	: MD8480 Support Service
MX848001A/41A-05	: GSM Frequency Hopping

(*1)

MD8480A/B-02 is an additional RF unit that supports GSM frequency hopping.

For customers who have already mounted MD8480A-01:Additional RF Unit in their mainframes, [\[Z0730: Additional RF Unit for Frequency Hopping\]](#) offers factory upgrade to an additional RF unit that supports GSM frequency hopping.

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Specifications are subject to change without notice.

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