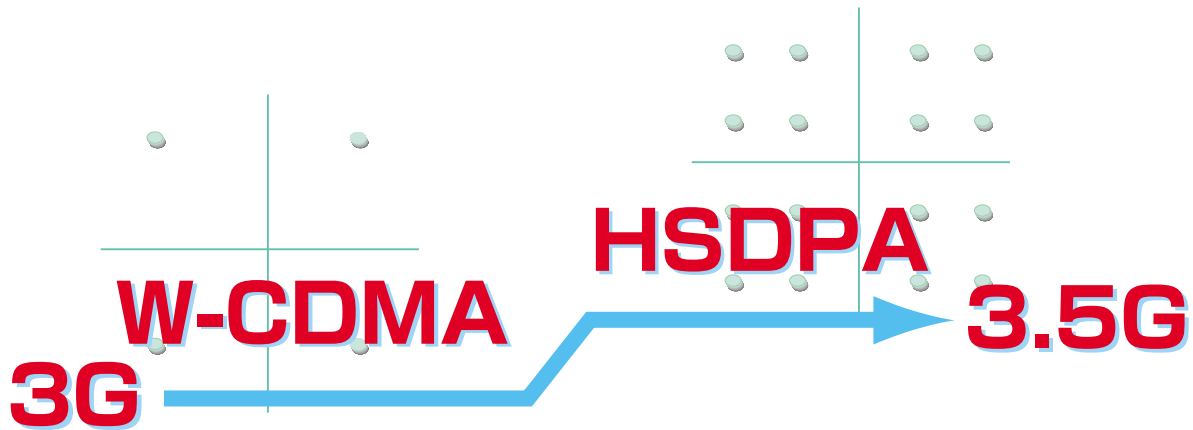


MX368041A-11 MX368041B-11 Signal Pattern

(For MX368041A/B W-CDMA Software of MG3681A Digital Modulation Signal Generator)



For Evaluating 3GPP(FDD) Release 5 HSDPA over W-CDMA System

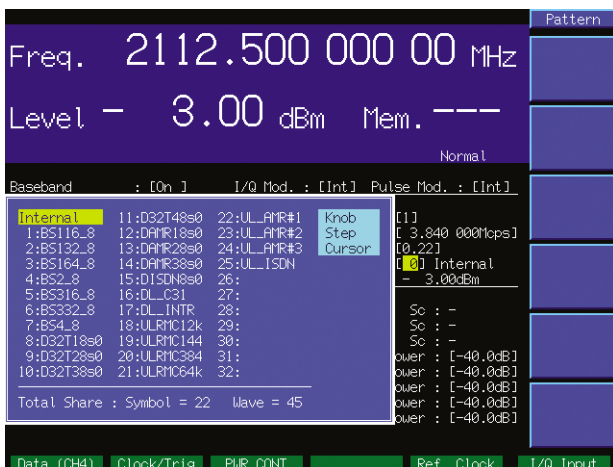
Outputting HSDPA over W-CDMA Modulation Signals Conforming to 3GPP(FDD) Release 5

The MX368041A/B-11 HSDPA Signal Patterns are the pattern data files for the 3GPP(FDD) Release 5 test that can be downloaded from a PC memory card to the MX368041A/B W-CDMA Software installed on the MG3681A.

It provides various test patterns for testing BS/UE receivers or evaluating transmitter devices.

Signal Pattern Files for Easy Operation

By selecting a signal pattern saved in the internal memory of the MU368040A CDMA Modulation Unit instead of setting complex parameters in 3GPP specifications, the receiver/transmitter test signals for HSDPA over W-CDMA BS/UE conforming to the 3GPP(FDD) standards can be output. Up to 32 signal patterns can be saved from a PC memory card and can be switched at high speed.



Various Test Patterns

The MX368041A/B-11 is a package that consists of signal pattern files conforming to the 3GPP(FDD) Release 5 specifications in addition to the signal pattern files provided with the MX368041A/B W-CDMA Software.

Multi-carrier and fulfilling performance tests, mainly HSDPA tests of BS test model 5 and DL FRC H-Set 1 to 5, can be performed.

- For evaluating transmitter device of BS
 - TS 25.141 Test Model 1 to 5 (single carrier), 1 and 5 (2 carriers)
- For testing receiver and performance of BS
 - TS 25.104 UL RMC 12.2 to 384 kbps, RACH, CPCH, SSDT
- For evaluating transmitter device of UE
 - TS 25.101 UL RMC 12.2 to 384 kbps
- For testing receiver and performance of UE
 - TS 25.101 DL RMC 12.2 to 384 kbps, DPCCCH with 4 pilot bits, Open-loop transmit diversity, Compressed mode, BTFD, PCH, DL FRC H-Set 1 to 5

Standard signal pattern files conforming to the 3GPP(FDD) Release 1999 specifications are provided with the MX368041A/B W-CDMA Software.

- For evaluating transmitter device of BS
 - TS 25.141 Test Model 1 to 4 (single carrier)
- For testing receiver and performance of BS and evaluating transmitter device of UE
 - TS 25.101/ 25.104 UL RMC 12.2 to 384 kbps
- For testing receiver and performance of UE
 - TS 25.101 DL RMC 12.2 to 384 kbps

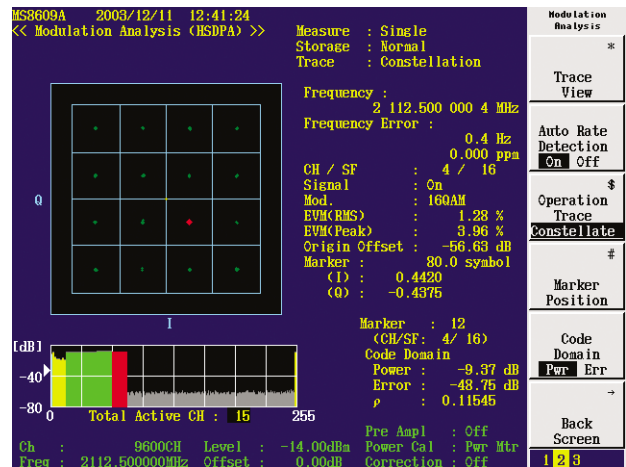
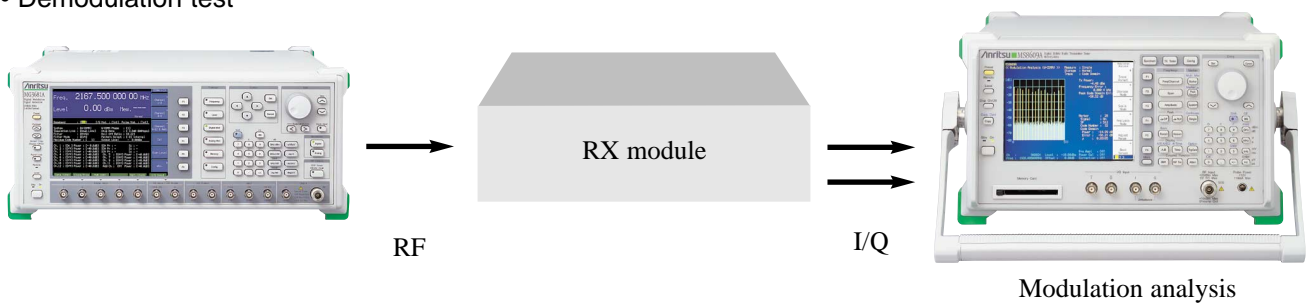
Performing HSDPA tests as well as conventional W-CDMA tests

UE HSDPA Receiver Test

The MX368041A/B-11 enables the HSDPA demodulation test, decoding check and HS-DSCH BLER test for 3GPP(FDD) UE.

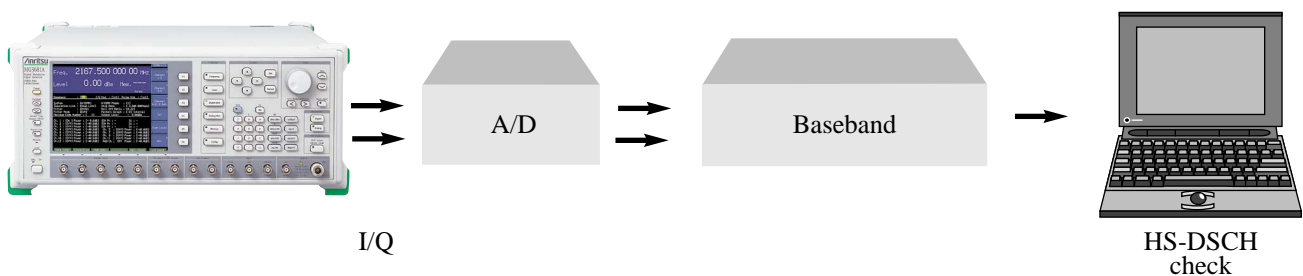
It also enables DCH BER test, because P-CCPCH, P-SCH, S-SCH, CPICH, PICH and DPCH are the conventional functions of the MX368041A/B.

- Demodulation test



Example of EVM measurement of HS-PDSCH (16QAM)

- BLER test of decoding check and HS-DSCH



Ordering Information

Please specify the model/order number, name and quantity when ordering.

Nodel/order No	Name
MG3681A*1	Main frame Digital Modulation Signal Generator (250 kHz to 3000 MHz)
MU368040A*1	Expansion Units CDMA Modulation Unit
MX368041B*1	Software W-CDMA Software
MX368041A -11*2 MX368041B -11*2	Options HSDPA Signal Pattern (for MX368041A) HSDPA Signal Pattern (for MX368041B)

*1 : Refer to the separate catalogs for the MG3681A, MU368040A and MU368041B.

*2 : With CompactFlash®.

CompactFlash® is a registered trademark of SanDisk Corporation.



Specifications are subject to change without notice.

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