

All-in-one DC-HSDPA DL 42-Mbps and LTE Handover Testing

MD8475A Signalling Tester HSPA Evolution/DC-HSDPA Option

- MD8475A-011 HSPA Evolution Signalling Unit
- MX847510A W-CDMA Simulation Software
- MX847510A-001 HSPA Option
- MX847510A-011 HSPA Evolution/DC-HSDPA Option
- MX847570A-011 HSPA Evolution/DC-HSDPA Option



Faster Mobile Communications with HSPA Evolution

Communications speeds have become increasingly faster and mobile speeds are now approaching the 100 Mbps previously supported only by fixed lines. High-speed mobile communications brings LTE immediately to mind but HSPA Evolution/DC-HSDPA, which improves the communications efficiency of today's widespread 3G high-speed HSPA, is also a useful technology for increasing speeds. A key feature of HSPA Evolution/DC-HSDPA is the cost of service rollout; LTE requires installation of specialist base station equipment, whereas HSPA Evolution/DC-HSDPA can use existing wireless equipment to increase data speeds at low capital cost. As a result, 100 or more carriers are rolling out these services, leading to more mobiles supporting this standard. To start, data terminals were the main users of high-speed communications but the explosive growth of smartphones has led to rapid development of many terminals. Moreover, smartphones are being used increasingly as mobile routers providing data communications to other devices via tethering.

Anritsu's MD8475A Signalling Tester is the ideal solution for fast and easy evaluation of HSPA Evolution/DC-HSDPA smartphones with high-speed data communications functions.

Supports High-speed Communications to 42 Mbps max.

The MX847510A-011 HSPA Evolution/DC-HSDPA option supports packet communications tests at Rel.7 and Rel.8. Making it easy to configure an environment for performance and stress tests of HSPA Evolution/DC-HSDPA-compliant mobiles, including smartphones. The easy-to-understand SmartStudio GUI sets base-station parameters and packet rates during throughput tests, eliminating the time and work needed to create test scenarios and slashing testing costs and time. Moreover, it can respond to the packet communication from Rel.99 to Rel.8 by combining MA847510A-001 HSPA Option.



HSPA Evolution /DC-HSDPA Smartphone

Rel.7: DL64QAM

Cat.13 (DL: 18 Mbps)
Cat.14 (DL: 21 Mbps)

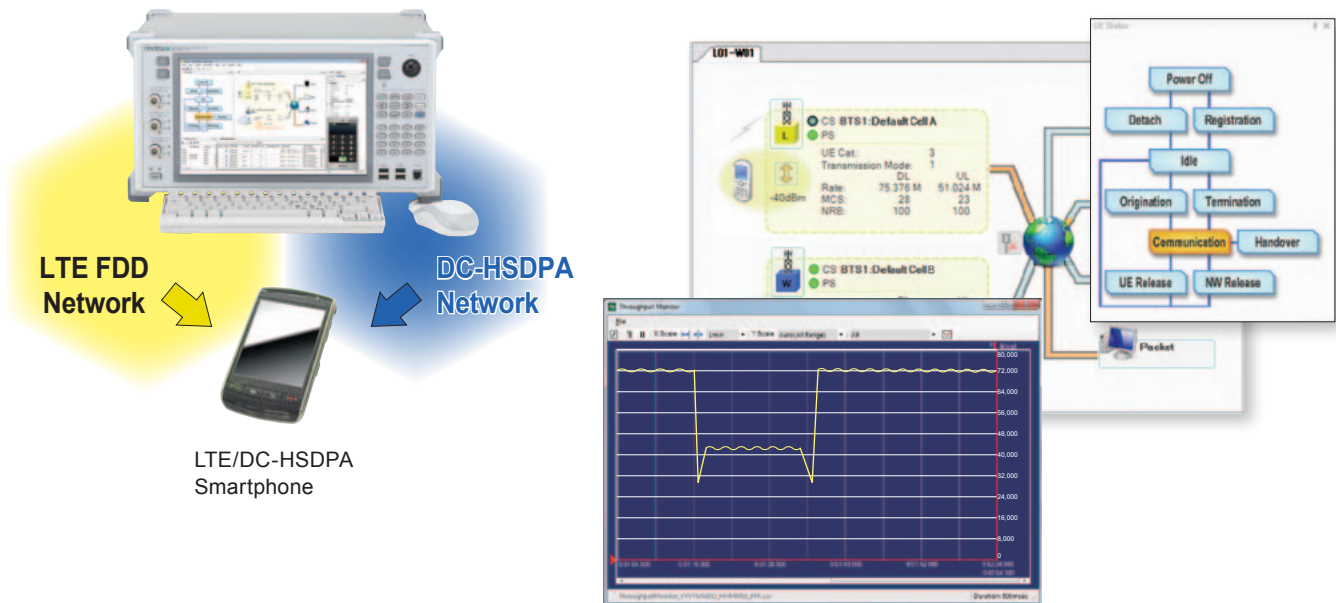
Rel.8: DC-HSDPA

Cat.23 (DL: 36 Mbps)
Cat.24 (DL: 42 Mbps)

BTS1	
Default Cell A	
Common	
DL Ref Power	CellA CellA
UL Ref Power	-40
MCC	001
MNC	01F
E-PLMN List	
Cell Bared	Not Bared
Access Class Bared	Not Bared
W-CDMA	
LAC	0
PAC	128
Band	Band 1
Channel (DL)	10700
Channel (UL)	9750
Primary Scrambling Code	9
NM0	NM0 1 (Not Combined)
hspa Cell Indicator	Capable
edch Cell Indicator	Capable
Memory Partitioning	Incapable
Packet Rate	DL-Auto/UL-Auto
Packet Window Size (DL)	512
Packet Window Size (UL)	256
Integrity Algorithm	Kasumi(ua1)
Cell Name	
Input	=ASCII, Length: 1 to 25

All-in-one LTE DC-HSDPA PS Handover Tests

The MD8475A multi-system platform supports simultaneous HSPA Evolution and LTE FDD (SISO tests) by installing the LTE option. It is especially useful for configuring an easy-to-use test environment by combining the MD8475A with SmartStudio to handle PS handover tests previously requiring heavy investment in multiple test instruments as well as complex configuration using difficult test scenarios. Using the dedicated throughput test graphs helps real-time confirmation of handover time and changes in throughput rates.



Ordering Information

Please specify the model/order number, name and quantity when ordering. The names listed in the chart below are Order Names. The actual name of the item may differ from the Order Name.

	Model	Name
Main Frame	MD8475A	Signalling Tester
Hardware Options*1	MD8475A-001	2 nd RF
	MX8475702A	Multi-cell Software
User Interface	MX847570A	SmartStudio
	MX847570A-010	W-CDMA Option
	MX847570A-011	HSPA Evolution/DC-HSDPA Option
	MX847570A-050	LTE FDD Option
HSPA Evolution Options*2	MD8475A-011	HSPA Evolution Signalling Unit
	MX847510A	W-CDMA Simulation Software
	MX847510A-001	HSPA Option
	MX847510A-011*3	HSPA Evolution/DC-HSDPA Option
LTE FDD Options*1	MD8475A-050	LTE Signalling Unit
	MX847550A	LTE Simulation Software
	MX847550A-010	LTE FDD Option
	MX847550A-020	2×2 MIMO Option

*1: It is required for 2-cell Test of HSPA Evolution and LTE FDD. For details consult our sales representative.

*2: The examination of CS networks, such as a voice and a TV phone, will be correspondence in the future.

*3: MD8475-001A 2nd RF is unnecessary when carrying out a DC-HSDPA Tests.