APPLICATION NOTE

MD8470A
Signaling Tester
Browsing Version

ANRITSU CORPORATION
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1. Glossary of Terms

GSM: Global System for Mobile communication
HTTP: Hyper Text Transfer Protocol
UE: User Equipment
WAP: Wireless Application Protocol
WNS: Wireless Network Simulator

2. Browsing Types

- Browsing using a UE can be broadly classified as either using a direct HTTP Internet connection, or using WAP developed for UEs. However, the WAP 2.0 protocol also supports HTTP connections.
3. Testing Browsing

3-1. Testing Browsing with One Unit

- Connect the Call Proc Ethernet and Ethernet ports on the back of the MD8470A using a cross cable.
- Connect the UE and execute WNS.
- If browsing with the UE, try using the provided sample contents.

Note: At factory shipment, the default settings prevent operation of the DNS and WAP Gateway functions. To use these functions, start FakeDNS and WAP Gateway manually.

3-2. Testing Server Connection and Browsing
3-2. Testing Server Connection and Browsing

- Connect the Call Proc Ethernet and Ethernet ports on the back of the MD8470A using a cross cable.
- Connect the UE and execute WNS.
- If browsing with the UE, try using the provided sample contents.

4. Advantages of Using MD8470A

- **Other Equipment or PC Not Required**
  Browsing tests can be performed simply by connecting the MD8470A and UE. An external server can also be used.

- **Independent of actual network conditions**
  Since there is no connection to an online network, testing can be performed with no concerns about network situations such as delays and charges. Moreover, it is possible to perform tests in areas where there are no W-CDMA and GSM services.

- **Able to retrieve and analyze protocols used by wireless and browsing**
  The ability to save wireless protocol and browsing protocol logs during testing is useful for analyzing any unexplained points.
Appendix. Browsing Variations

The browsing functions provide the following capabilities:

- **Downloading Applications**
  Developing and debugging Java applications running on the UE and checking their operation.

- **Downloading Files**
  File downloading can be tested. In addition, the download time can be used as a measure of UE performance.

- **Downloading ringtones and video**
  After downloading ringtones and video, the audio and video can be confirmed by running them.
Specifications are subject to change without notice.