

Time synchronization method of Network Testing system by Standard Wave

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Abstract— The time synchronization is very important for network testing that is at a long distance. For time synchronization, two different network testing apparatuses uses a network time protocol (NTP) or a geographic position system (GPS).

For using GPS with less timing error, an expensive GPS antenna needs to be installed outside the door. NTP is through the network. The network itself causes a time delay and the error in the time delay of the network occurs. So, NTP has not been used to measure a high speed network.

This paper has been made in an effort to provide a network testing system using a Standard Wave to facilitate time synchronization with at least two network testing apparatuses, and an operating method thereof.

The Standard Wave has extremely little time error. It helps to perform accurate testing.

Keyword— Standard Wave, Time Synchronization, Testing



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