Evaluation of Time Offset in 5G NR using USRPs

The 3GPP standard has established a maximum time synchronization error, the indoor 5G network may be able to handle a higher value proposed by an earlier simulation. To validate and determine such a result, it is necessary to use real hardware to create a small network and test related aspects of it. Upper error limits serve a useful purpose in many network applications. The developer is able to establish the maximum permissible error by the network requirements to aid in the construction of networks.

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