

Measurement Planning and Time-domain Sounder Validation for mm-wave Applications

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Abstract:

This paper presents a novel experimental set-up for mm wave radio propagation measurements based on a wideband sliding correlator sounder. Furthermore, it provides a detailed description relative to the scenarios of interest to be tested in the near future. Finally, various sounder validation methods are proposed and assessed through real-time measurements in both indoor environments as well as in an anechoic chamber environment.