

# On Indoor Clustering on mmW Band

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**Abstract:**

In this work we investigate different clustering approaches in the millimeter-wave (mm-W) frequency band, either from measurements and simulations. Multipath component (MPC) parameters have been extracted from both measurements and simulations using RiMax. For clustering, several techniques such as visual inspection, K-means, Power K-means, multipath component distance (MCD) are implemented and analyzed. We have found that at mm-W, the number of MPC within a cluster is very small. Furthermore, a new algorithm is proposed.