Guaranteed confidence region characterization for source localization using RSS measurements

Cheng-Yu Han, Michel Kieffer, Alain Lambert

PII: S0165-1684(18)30116-6
DOI: 10.1016/j.sigpro.2018.03.018
Reference: SIGPRO 6776

To appear in: *Signal Processing*

Received date: 24 November 2017
Revised date: 21 March 2018
Accepted date: 25 March 2018

Please cite this article as: Cheng-Yu Han, Michel Kieffer, Alain Lambert, Guaranteed confidence region characterization for source localization using RSS measurements, *Signal Processing* (2018), doi: 10.1016/j.sigpro.2018.03.018

Highlights

- A confidence region characterization technique for source localization from RSS measurements
- Works with very limited knowledge on the distribution of the measurement noise
- Provides exact confidence region even with few measurements
- Point estimates can be derived from the confidence region