



## Dynamic Radio Interference Maps in the Context of Edge Networking

**Dragan Boscovic**

This talk will present an overview of the radio geo-location techniques and their possible extensions based on the Edge Network architecture in order to effectively address more dynamic radio interference scenarios.

As part of the upcoming conversion from analog to digital television, the FCC introduced a regulatory scheme, “white space,” to promote geographically selective but nevertheless opportunistic usage of otherwise unused TV spectrum. Through experimentations and assistance from industrial players, the FCC determined that geo-location capability is mandatory to mitigate interference risks.

“A Mode II personal/portable device shall incorporate a geo-location capability to determine its geographic coordinates to an accuracy of +/- 50 meters. The device must re-establish its position each time it is activated from a power-off condition.”

[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-08-260A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-08-260A1.pdf)

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