

IRANATA

Interference and RAdiation in Network PlAnning of 5G AcTive Antenna Systems

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@ Luxembourg Kirchberg

IRANATA investigates one of 5G's key technologies: Active Antenna Systems (AAS). Classic 4G antenna systems work by transmitting the signal via continuous wide beams. 5G active antenna systems focus on the transmission of dedicated signals through beams directed solely at the mobile user. The main purpose of the project is to ensure that radiation levels from the 5G AAS will remain at acceptable levels while optimizing network coverage. To achieve this goal, the project's industrial research combines software simulations, laboratory pilots and over-the-air measurements with drones.

For more information, visit [the project website](#) or view the [5G & me video](#).

Coordinator



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