

Aperture Array Integrated Receiver

AAIR is a project developed for MFAA consortium “Middle Frequency Aperture Array”, part of SKA Advanced Instrumentation Program. AAIR aims the miniaturization and integration inside chips, or ASIC “Application Specific Integrated Circuit”, radiofrequency features including fast digitization. With AAIR project, cheaper cost is then highlight and power consumption is naturally brought in the forefront for the aperture array in the middle frequency of SKA.

At last, AAIR is a R&D long-term project which was funded by the French research national agency for 816 keuros. This project was developed with powerful collaboration team from Nançay radioastronomy station, Bordeaux Astrophysic Laboratory (LAB), Netherland institute for radioastronomy (ASTRON), and NXP Company.

Suggested duration

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Session Classification: Instrumentation Programme

Track Classification: Instrumentation