

Young Graduate Trainee opportunity at European Space Agency

ESA-ESTEC, The Netherlands, RF Equipment and Technology

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The world's first W-band CubeSat satellite is in orbit since summer 2021 (W-band CUBE) and another one operating in the same mm-wave frequency band will be launched in the course of the following year (EIVE). This success has been possible thanks to the hard work of RF engineers and the maturity of mm-wave semiconductor technologies that allow monolithic integration of the key RF active functions such as high power amplifiers, low noise amplifiers, frequency converters and other elements. W-band (71-76 and 81-86 GHz) is now selected as the next-generation band for the future high-throughput SATCOM feeder links.

The scope of the proposed traineeship is in line with the developments described above. The successful candidate will be enrolled as ESA Young Graduate Trainee and will be involved in development, testing and eventually in deployment of W-band ground station that will be used to receive signals from the very first W-band satellites. Besides, the trainee will support other ESA R&D projects dealing with developments of RF active functions in W-band.

Required skills and competencies

- Knowledge of relevant technical domains
- Hands on experience in RF design, assembly and testing
- Knowledge of baseband signal processing
- Perseverance in problem solving



For more details about YGT:

https://www.esa.int/About_Us/Careers_at_ESA/Graduates_Young_Graduate_Trainees