

RF Engineer

Anywaves Luxembourg (EmTroniX) · Hautcharage, Luxembourg · Full-time

Location Hautcharage, Luxembourg	Contract Permanent contract	Status Open	Compensation According to profile
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To apply, please send your cover letter and CV to jobs@emtronix.lu.

Work environment

Anywaves has been at the forefront in electronics and embedded software for NewSpace applications since 2001, specializing in project management, design, testing, and production. With expertise in digital signal processing, telecommunications, electrical and mechanical engineering, we are driving the future of space technology. With a team of over 45 diverse, international professionals, Anywaves is a dynamic, tightly knit company that thrives on collaboration, creativity, and innovation.

Recently, Anywaves joined forces with Anywaves, a leading European space antenna specialist, creating a stronger, more integrated space RF, electronics, antennas and payload subsystems group. This merger opens up exciting new opportunities to work on larger, more complex programmes, expanded international markets, and end-to-end satellite payload technology solutions.

Key responsibilities

- Design, implement and validate of RF/Microwave passive and active functions such as filters, power divider/couplers, PA, LNA, High Purity Clock generator, transceivers chains, up/down converters chains, etc.
- Analyze and simulate high frequency systems.
- Optimize new and existing design to facilitate manufacturing, assembly and testing.
- Implement and follow-up prototypes manufacturing and assembly.
- Develop test methodology and verification plans for all analogue functional blocks and all associated documentation.
- Perform tests in laboratory and other specific test facilities.
- Analyse test results and debug assembly circuits.
- Implement design correction and prepare for batch production.

Preferred skills

- Previous records of design and implementation RF transceiver chains
- Know-how in Software Defined Radio and Digital Signal Processing
- Knowledge in antenna design
- Python script knowledge

Job requirements

- Experience with circuit analysis and design, CAD schematic tools, circuit simulation tools, and design evaluation
- Deep knowledge in high-quality clock signal generation, perfectly managed phase noise and complex PLL design.
- Deep measurement experience using following equipment: spectrum and signal analysers, signal generators, vector network analyser.
- Experience with block diagrams of up-converter and down-converter superheterodyne topologies.
- Fluent in English – French or German are strong assets
- Over 5 years relevant experience

We invite you to submit your CV and cover letter, showcasing your motivation for the position and Anywaves's positive impacts to the company. Expose and demonstrate how your skills align with the job requirements to make a meaningful impact.

Apply

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