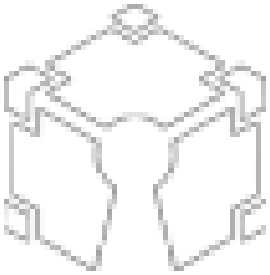

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SDR Makerspace

Libre Space Foundation is cooperating with European Space Agency to exploit the advantages of Software Defined Radio (SDR) technology in space applications under the program codenamed “SDR Makerspace”.

The goal of “SDR Makerspace” is to perform research and experiments with SDR software and hardware that will provide insights about the advantages or possible limitations of the technology for use in space applications. The activities of the programme, include experimentation with state of the art hardware, radiation testing of several SDR devices and their immunity on the harsh space conditions or development of new communication techniques. Moreover, the “SDR Makerspace”, will investigate the reconfiguration capabilities of SDR equipped spacecrafts. We believe that such telecommunication schemes will play a key role in the near future, especially for small spacecrafts like Cubesats.

Continuing on the Libre Space Foundation philosophy and commitment on open source, all of the resulting code or hardware during the timeline of the activity will be publicly available. In addition, Libre Space Foundation will continue the community building activities focusing specifically on SDR-based communications, and utilizing its network to ensure synergy and upleveled awareness within the target community.

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