

## Examination questions

1. Noise temperature. Definition, main considerations. Antenna noise temperature
2. Noise figure in radio receivers
3. Nonlinear effects and intermodulation
4. Receiver structures
5. Receiver components
6. Concept of SDR, definition and main considerations
7. ADCs in SDR receivers. Types, parameters, considerations. Jitter
8. Oscillators in SDR. Parameters, considerations. Phase noise
9. GNSS receivers. Front-Ends
10. Sampling and quantization in GNSS receivers
11. AGC in GNSS receivers. Spoofing detection