

Galileo Interference Measurement Campaign

Galileo is sharing frequency bands with other services. In order to assess the potential threat coming from interference, a special measurement campaign was conducted in several countries in Europe. The campaign aimed at finding and identifying signals in the navigation bands. High resolution recordings of these signals were taken for playing them back in the lab to see how well Galileo receivers can operate in the presence of interference.



Measurement van in action



Main Features:

- Frequency bands: E1, E4, E5, E6
- Spectrum Recorder: 125 Msamples/s
- Spectrum Analyser: R&S FSP
- Sensitivity: -139 dBW/MHz
- Antennas: Omnidirectional and high gain





History: Development and Measurement

Contract signed: December 2000

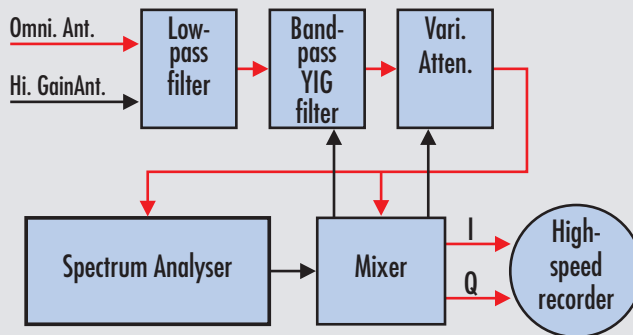
Design completed: July 2001

Acceptance Test: March 2002

Test campaign: May 2002 (long track through Europe)

Full campaign: June/July 2002

Activity completed: December 2002



Block diagram of receiver



Coming soon:

Galileo Multipath measurement campaign in critical environments

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