

Abstracts

The European Mobile System Payloads for Personal and Mobile Communications

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This paper describes the characteristics of the Alenia Spazio payloads providing L-band personal and mobile communications services. The characteristics of a satellite under study for mobile communications at Ku and EHF band are described too. The payloads are: EMS, LLM and SECOMS. EMS (European Mobile System) is an ESA Payload embarked on the Italian satellite ITALSAT F2. It will be the first in orbit element of an European Land Mobile Satellite Communication System LLM (L - band Land Mobile) is a payload that will be embarked on the European Spacecraft ARTEMIS and will be used to increase the EMS payload capabilities. SECOMS (Satellite EHF Communications for Multimedia-mobile Services) is a satellite under study for future mobile and personal communications at Ku and EHF band.

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