The X Band Modulator / Transmitter Unit (XTXU) is a new product in the comprehensive telemetry and payload data modulators product suite of Thales Alenia Space in Spain, with a flawless track record of more than 500 units delivered to our customers in several frequency bands for all types of space missions and applications, spanning: Earth observation, science & exploration, telecommunications, navigation, orbital infrastructure and space transportation.

COMPETITIVE ADVANTAGES

/// Qualified design
/// Cost optimized solution
/// The unit integrates the modulator, the high power amplifier (SSPA) and the output filter
/// Protection of Deep Space Network frequency band filter available
/// Modular, scalable design to cope with extend bit rates and RF transmission power
X Band Transmitter Unit block diagram

EXPERIENCE

/// X Band Transmitter: GK2 (in flight), KPLO, EOIRSAT, KOMPSAT-7 & 7A

/// Extensive heritage in S, C, X and Ku band product suite, with more than 500 units delivered:

/// 330 TT&C transponders in S-Band over the last 30 years for all type of missions: Sentinel, Cygnus, ATV, GK2…

/// 10 TM transmitters and transponders in X-Band: Herschel, Planck, Syracuse

/// 22 QPSK modulators in VHF, L and C bands: MetOp, Meteosat SG, COMS…

/// 170 TM transmitters and beacons in C and Ku bands

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