ENABLING RELIABLE HIGH-CAPACITY COMMUNICATIONS ACROSS LAND, SEA AND AIR

- Multi-mission, multichannel band III+ & band IV radio
- Designed for Point-to-Point (PTP) and Point-to-Multipoint (PMP) topologies
- On-the-Move (OTM) and On-the-Pause (OTP) operational use
- IP connectivity for guaranteed interoperability
- Maximum flexibility reducing training costs and supporting logistics
- Designed for high threat environments

T.N. 4110 HCLOS
High Capacity Band III+/IV Radio
OPERATIONAL ENVIRONMENT

T.N. 4110 HCLOS is a key transmission component of the widely-deployed Thales Nexium Theatre solution and serves as high-capacity backhaul, backhaul repeater, range extension node, aggregation/distribution and access point, WLAN or remote station at the tactical edge.

Designed to enable reliable high-capacity communications for land and sea operations, T.N. 4110 HCLOS operates in high threat environments and fully supports over-water applications.

TECHNICAL PARAMETERS

Radio

- Frequency: - 4400-5000MHz (Nato band IV)
  - 1350-2350MHz (Nato band III and III+)
  - 2.4-2.5GHz (ISM band 2.4GHz)
  - 5.7-5.8GHz (ISM band 5GHz)
- Throughput: Up to 200 Mb/s per PTP link
- Optional Increased Throughput: Up to 400 Mb/s per PTP link
- Transmit Power: 36 dBm per channel
- Security: Embedded crypto, FIPS AES-256
- Spectrum Efficiency: up to 5.4 bit/s/Hz
- Management Interface: WEB, GUI and SNMP

Waveform Library

- Point-to-Point FDD & TDD
- Point-to-Multipoint TDD, NLOS with MIMO
- Point-to-Multipoint On the Move

Optional Networking and Interface Unit

- Provides additional Ethernet connections and AC power capability
- Interfaces: Gigabit Ethernet (POE), Optical LAN
- Input AC power, Output DC power
- Visual indicators for antenna alignment

Features & Benefits

- Highly versatile to maximise operational flexibility
- Wide band communication
- PTP & PMP mixed communications capability
- 3 duplex channels in one radio
- Internal or external encryption
- IP connectivity for interoperability with legacy and future technologies
- Compliant with MIL-STD-810 G & MIL-STD-461 F

Tactical Network with High Capacity LOS

Secure Communications & Informations Systems
Thales Communications & Security SAS – 4, Avenue des Louvresses – 92622 Gennevilliers Cedex – France – Tel: +33 (0)1 41 30 30 00