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9681 V/UHF
AIRBORNE RADIO

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9681 V/UHF Airborne Radio belongs to the ASELSAN Software Defined Networking Radio (SDNR) Family that ensure frequency hopping, encrypted and clear voice and data communication in VHF and UHF bands (30-512 MHz).

Various radio waveforms operating in different frequencies and modulations (FM, AM) are utilized through the software defined structure. With this structure, SDR's support short and medium range tactical radio communication (CNR), functionalities and advanced Electronic Counter Counter Measure (ECCM) techniques on the same platform.

Software Defined Radio architecture, which supports many waveforms, can be upgraded for new waveforms or features.

Operating Modes

VHF/FM Low Band Mode (9600) (30-108MHz)
• Fixed Frequency and Frequency Hopping Clear and Encrypted Voice and Data. Compatible with VHF-FM (NATO STANAG 4204) Radios in Clear Voice.

VHF/FM High Band Mode (SKV) (146-174 MHz)
• Fixed Frequency Clear and Encrypted Voice and Data. Compatible with VHF-FM Radios in Clear Voice (EN 300 086 and EN 300 112)

UHF/FM Mode (SKU) (406-470 MHz)
• Fixed Frequency Clear and Encrypted Voice and Data.
• Compatible with UHF-FM Radios in Clear Voice (EN 300 086 and EN 300 112)

V/UHF/Air to Ground Mode (108-400 MHz)
AM:
• Fixed Frequency Clear Voice
• Encrypted Voice with External Encryption Device
• Clear/Encrypted Data with External Modem/Encryption Device
• 25/8.33 Khz Channel Spacing

FM:
• Fixed Frequency Clear Voice
• Encrypted Voice with External Encryption Device
• Clear/Encrypted Data with Internal Modem/External
• Encrypted Device
• 25/12.5 KHz Channel Spacing

A-CNR Mode (30-512 MHz)
• 30-512 MHz Fixed Frequency & Frequency Hopping Clear or Encrypted Voice and Data
• FM modulation with 25kHz channel spacing
• Forward Error Correction (FEC)

Have Quick II (225-400 MHz)
• STANAG-4246

APCO 25 Mode (146-174MHz, 380-400 MHz and 406-470 MHz)
• Fixed Frequency Clear and Encrypted Voice and Data.
• Digital; Compatible with TIA/EIA 102
• Analog; Compatible with TIA/EIA 603-A
• 12.5 KHz Channel spacing

Emergency Receiver
• Emergency Channels Receiver (121.5MHz or 243MHz)

Environmental Specifications
• MIL-STD-810F

EMI/EMC
• MIL-STD 461E

Interfaces
• Intercom and PTT
• Data (Synchronous/Asynchronous/IP)
• GPS
• 1553 Bus or ARINC-429 Bus
• RS-422
• Fillgun
• External Crypto
• Emergency Guard
• ADF-Homing
• Zeroize

Remote Control Unit
• User Friendly Interface
• Use with Night Vision Glasses (NVIS Green)
• Central Illumination Control

Mechanical
• Dimensions (WidthxHeigthxDepth):
• Transceiver Unit 15x13x24 cm
• Remote Control Unit: 15x8x19 cm

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ASELSAN A.Ş. is a Turkish Armed Forces Foundation company.