

# ARTS-7000: CPDLC

The ARTS-7000 CPDLC module simulates a VDL-M2 ground station by creating an ATN-B1 network. This enables comprehensive testing of VDL-M2 radio communication protocols in a hangar or laboratory.



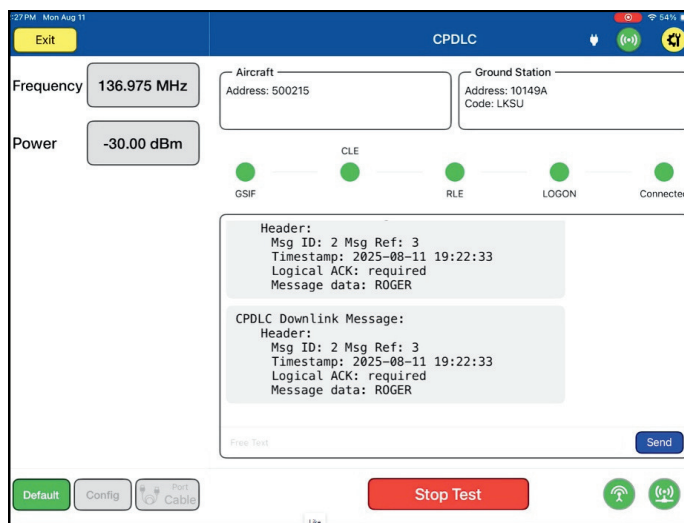
- Independent VDL-M2 verification
- Logon to simulated ground station
- Exchange messages with FMS
- ARINC or SITA contact not required
- Software license for Nav/Com

## FMS Message Exchange



After aircraft LOGON completed, operator can exchange message with ARTS-7000 radio.

## CPDLC Verification Page



Connection, LOGON, and message exchange can be performed with the ARTS-7000.

## ARTS-7000 CPDLC SPECIFICATIONS

Function	Attribute	Values	Resolution	Accuracy
<b>Transmitter / Receiver</b>	Frequency Range	118 to 137 MHz		0.1 ppm
	D8PSK Modulation data rate	31.5Kbps		
	Output Power (Antenna Port)	-83 to 13 dBm	0.25 dB	±2 dB
	Output Power (Cable Port)	-110 to -14 dBm	0.25 dB	±2 dB
	Input Sensitivity (Antenna Port)	-30 dBm to +17 dBm		
	Input Sensitivity (Cable Port)	-10 dBm to + 54 dBm		
	Capabilities during VDLM2 Aircraft Station Emulation	AVLC/ACARS/PM-CPDLC/ATNB1		

Item	Type	Description / Notes	Part Number
ARTS-7000 CPDLC License	Software	Software license for ARTS-7000 Nav/Com module	121-0132

### ARTS-7000 ( FULL SYSTEM)

