APOGEE LABS

AL6601
TEST PLATFORM

AVAILABLE FEATURES

- RF Transmit / Receive Options
- Bit Error Rate tester
- Bit Sync
- PCM Simulation

- Data Record Capability
- Modular, Scalable Architecture
- Rugged, Compact Unit
- Compatible with series AL2073/AL2873 interface modules

OVERVIEW

The AL6601 TEST PLATFORM combines a general purpose bit error transmitter & receiver function with a modulator and microwave transmitter, as well as a recorder in one compact unit. The microwave signal can be used to verify complete RF link operation by injecting a signal directly at the receive site's antenna or at the receiver input. Passing the signal thru a receiver, demodulator and bit sync, the recovered data and clock are fed back into the AL6601's receiver inputs for measurement and recording.

There are six available slots in the AL6601 chassis for application modules. All of the modules supported in Apogee Labs' AL2073 and AL2873 products are compatible with this unit. Consult the factory for your unique application requirements.

SPECIFICATIONS

RESULTS DISPLAY FORMAT
- Bit oriented test results are displayed as 1.2345e+12
- Slips, error seconds, and RX frequency are displayed as 123456789
- Bit rate displayed as 12345678 bps
- Bit error rate is displayed as 1.23e-08
- Control: reset to zero control is provided to restart tests
- Status: Synchronization (Search/Lock) Data, Clock (Present/LOS)

FRONT PANEL
- 6.3" diagonal LCD (no touch screen)
- Hex keypad w/ alphas as 2nd-ary for test and file names
- Nav Keys for easy movement between page fields and module pages
- Action Keys: Enter/Clear/Exit
- Soft Keys: can be software defined by module
- Rubber pushbuttons (oval or rectangle)
- (4) BNC's connected to BERT TTL Data & Clock In and Out

REMOTE CONTROL
- ASCII Serial 232 Command Interface
- Optional Ethernet Interface **(2873-ETH)**

POWER
- 120/240 VAC; 5.5 watts

ENVIRONMENT
- Operating temperature: 0^0 C to +50° C
- Relative humidity: 0 to 95%, non-condensing
- Altitude: Sea level to 10,000 feet

PRIMARY APPLICATION MODULES (ALL OPTIONAL)
- **IOCRF-1,2,3** - RF Transmitter Modules
- **IOCREC** - PCM Recorder Module
- **IOCBER7** - TTL BER Test Module
- **IOCBER8** - RS422 BER Test Module
- **IOCBER9** - PCM Simulator / BER Test Module (TTL)
- **IOCBS1** - Bit Sync Module
- **Other** - consult factory for additional information