




DS3/ATM Continuity Check

Overview:

This document will cover the setup of a DS3 continuity test on a single VCC using the Digital Lightwave ASA312. This document will not cover circuit provisioning or interfacing with the circuit.

Initial Setup:

Begin by going to  on the Functions Group and then select 

Then select  Reset (To Defaults)



Next select 
and then choose either  DS3 ATM Direct or  DS3 ATM PLCP
depending on whether PLCP is used.

The unit is now configured for DS3 ATM testing.




ATM Setup:


You are now ready to begin the ATM Processor setup. Begin by selecting ATM on the touch screen for control of the ATM processor

Verify Settings:

You will need to verify Address and Measurement setups by going to  on the
Function Group and above it select 
From here you will select the ATM Interface, Unit of Measure, the VPI/VCI Numeric Representation, and if you choose to have Cell Scrambling enabled.

Sending a Loopback cell:

Begin by going to the Function Group and selecting 
and above it  and then 


Next, input the VCI for the VCC under test by selecting  Loopback VCC Header...

And the connection type by selecting  Connection Type.....SEGMENT
And choose End to End or Segment.

Verifying Continuity:

Now you are ready to send a Loopback cell to verify the Physical Layer is connected and the ATM circuit has been Provisioned.

To test the circuit simply press  and verify the Loopback cell is received.

| |
|---|
|  LOOPBACK CELL RECEIVED |
| Cells Received 1 |

If the Loopback cell is received you have verified continuity and are ready for further testing.
If the Loopback cell is not received then there is a problem with either the Physical Layer or the ATM Switch Provisioning.