

# Application Note

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## OC12c/ATM Continuity Check

### Overview:

This document will cover the setup of a OC12c 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  ATM/STS-12c


The unit is now configured for OC12c ATM testing.


### Sonet Setup:

Now that the unit is setup for OC12c/ATM, you may need to change the clock settings. The ASA312 will default to Internal timing. If Looped timing is needed use the following procedure:

First, select the Sonet processor on the touch screen.

From the Function Group select  and  above it

Next select  More Selections... and then



 Clock Reference... Looped (Rx SONET)

The unit will now use Recovered Timing.




## 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 .

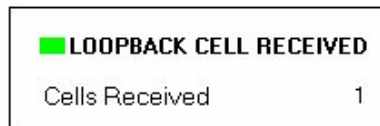
Next, input the VCI for the VCC under test by selecting  Loopback VCC Header...

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.



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.