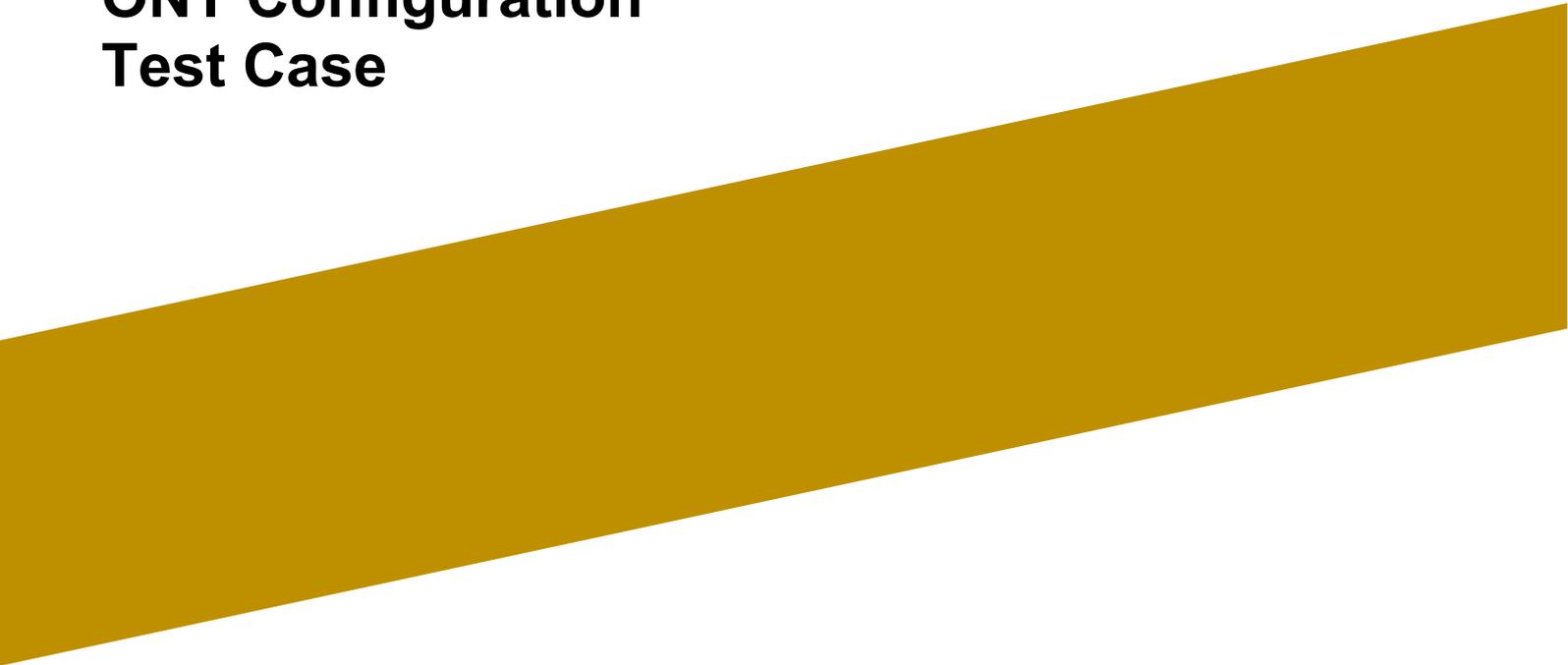
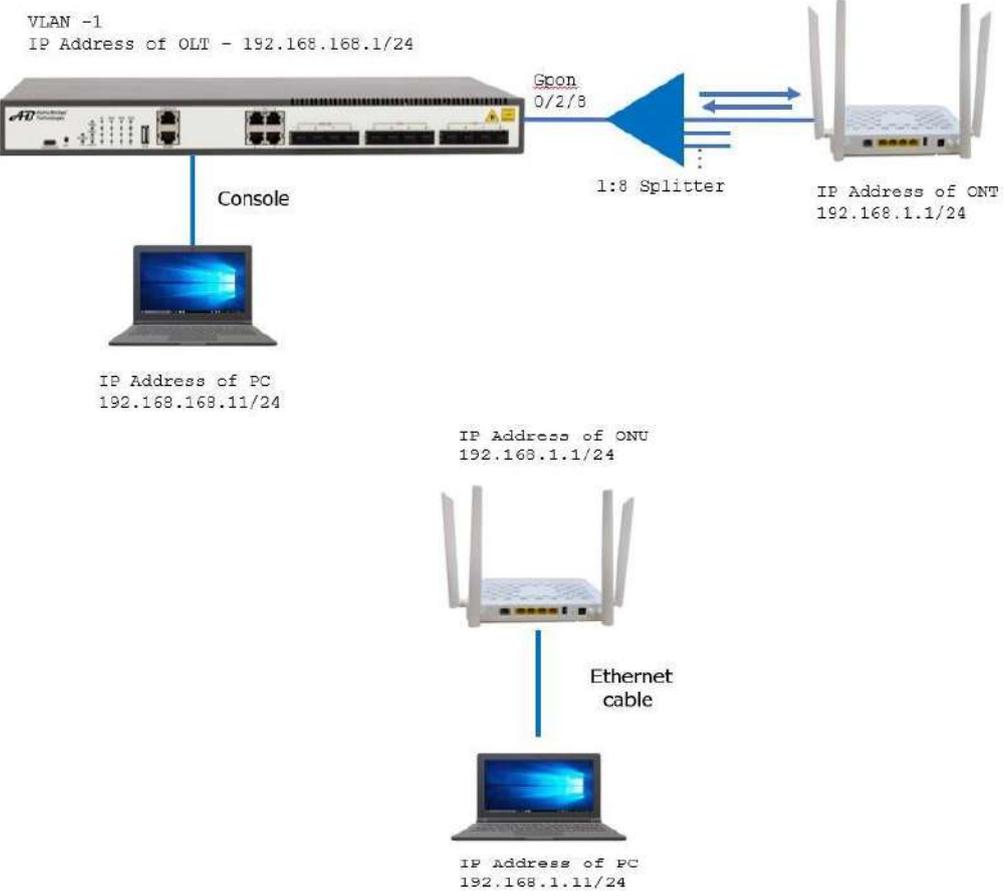


Alpha Bridge ONT Configuration Test Case



1. ONT Configuration

Test Case	ONT Configuration
<p>Test Procedure</p>	<ul style="list-style-type: none"> Make the setup as shown in the figure  <p>The diagram illustrates the network setup for ONT configuration. At the top left, an OLT (Optical Line Terminal) is shown with a console port connected to a PC. The OLT is configured with VLAN -1 and an IP address of 192.168.168.1/24. A Gpon 0/2/3 port on the OLT is connected to a 1:8 Splitter. The splitter is connected to an ONT (Optical Network Terminal) with an IP address of 192.168.1.1/24. The ONT is also connected to another PC via an Ethernet cable. The PC connected to the ONT has an IP address of 192.168.1.11/24. The PC connected to the OLT console has an IP address of 192.168.168.11/24.</p>
<p>Configuration</p>	<p>Configuration for GPON ONT:</p> <ol style="list-style-type: none"> 1. Login to the GUI (graphical user interface) of GPON ONT. 2. Create a new user and pass the vlan 200. 3. Keep the settings as mentioned in image.

The screenshot shows the 'Broadband Configuration' page. The 'Basic Information' section includes: Connection Name (1_INTERNET_R_VID_200), Enable (checked), Encapsulation (IPoE), IP Protocol (IPv4), Service Type (Internet), and DHCP Enable (checked). The 'VLAN Information' section includes: VLAN Mode (tag), VLAN ID (200), 802.1p (0), DSCP Enable (unchecked), and DSCP (0). The 'IPv4 Information' section includes: IPv4 Obtaining Mode (DHCP), NAT Enable (checked), and MTU (500). At the bottom, LAN Port Binding is checked for LAN1, LAN2, LAN3, and LAN4. SSID Port Binding is checked for SSID1, and unchecked for SSID2, SSID3, and SSID4.

4. If the GPON ONT is successfully registered. Then static IP address of source internet will be appeared.

The screenshot shows the 'Status' page with the 'WAN Information' tab selected. A table displays the WAN configuration details:

WAN Name	Active	Status	Encapsulation Mode	Type	IP Address	Subnet Mask	Gateway	DNS Server
1_INTERNET_R_VID_200	Enabled	Connected	IPoE	DHC P	192.168.20.0.131	255.255.255.0	192.168.200.1	8.8.8.8

1. By successful connection, the internet can be shared through ONT.
2. We can also change the name and password of WIFI.

Test Result

The screenshot shows the 'WLAN' configuration page. Key settings include: Radio Switch (checked), 802.11 Mode (802.11ax), Bandwidth (20MHz), Channel (Auto), SGI Enabled (checked), Beacon Interval (100 ms), Output Power (100%), DTIM (3), Band Steering (unchecked), TWT (Enable), SSID (SSID-1), Hide SSID (unchecked), SSID Enabled (checked), Max clients (16), Wireless Network Name (GC-ddYS), Security Mode (WPA-PSK/WPA2), WPA Encryption (TKIP+AES), and WPA Shared Secret (masked).

<p>Remarks</p>	<p>Working</p>

