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Here is a working interface configuration (router side) that the module is able to boot up with:

```
interface Loopback1
 description CUSP Enterprise SIP Network
 ip address 10.15.211.2 255.255.255.252
!
interface Loopback2
 description CUSP CUBE SIP Network
 ip address 10.15.212.2 255.255.255.252
!
interface Integrated-Service-Engine1/0
 ip address 10.15.210.2 255.255.255.252
 service-module ip address 10.15.210.1 255.255.255.252
 service-module ip default-gateway 10.15.210.2
 no keepalive
!
interface Integrated-Service-Engine1/0.1
!
interface Integrated-Service-Engine1/0.11
 encapsulation dot1Q 11
 ip unnumbered Loopback1
!
interface Integrated-Service-Engine1/0.12
 encapsulation dot1Q 12
 ip unnumbered Loopback2
!
ip route 10.15.210.1 255.255.255.255 Integrated-Service-Engine1/0
ip route 10.15.211.1 255.255.255.255 Integrated-Service-Engine1/0.11
ip route 10.15.212.1 255.255.255.255 Integrated-Service-Engine1/0.12
!
```

Regarding the configuration examples documented on cisco.com, the encapsulation dot1Q 1 native (or any VLAN with the keyword 'native') on the subinterfaces is not allowed because the native VLAN traffic does not get its frames tagged, and tagging is the mechanism whereby IOS correlates the traffic to the NME-522 for any interfaces besides the service-module ip interface.

While not actually required for the host validation, the static routes have to exist to get traffic to Cisco Unified SIP Proxy over the router's backplane.

Once the router knows how to get the traffic to the NME, the NME itself has to know to be listening on said interfaces. Here is the matching configuration for the NME:

```
interface GigabitEthernet 0.1
 end interface
!
interface GigabitEthernet 0.11
 ip address 10.15.211.1 255.255.255.252
 end interface
!
```

```
interface GigabitEthernet 0.12
 ip address 10.15.212.1 255.255.255.252
 end interface
!
interface GigabitEthernet 0.13
 ip address 10.15.213.1 255.255.255.252
 end interface
```

At this point you should be able to ping each of these IP addresses from your network.

Note: The default gateway for all traffic is still the service-module ip default-gateway. Without the NME-side configuration, Cisco Unified SIP Proxy does not allow you to configure SIP listen for those IP addresses.

```
interface GigabitEthernet 0.12
 ip address 10.15.212.1 255.255.255.252
```