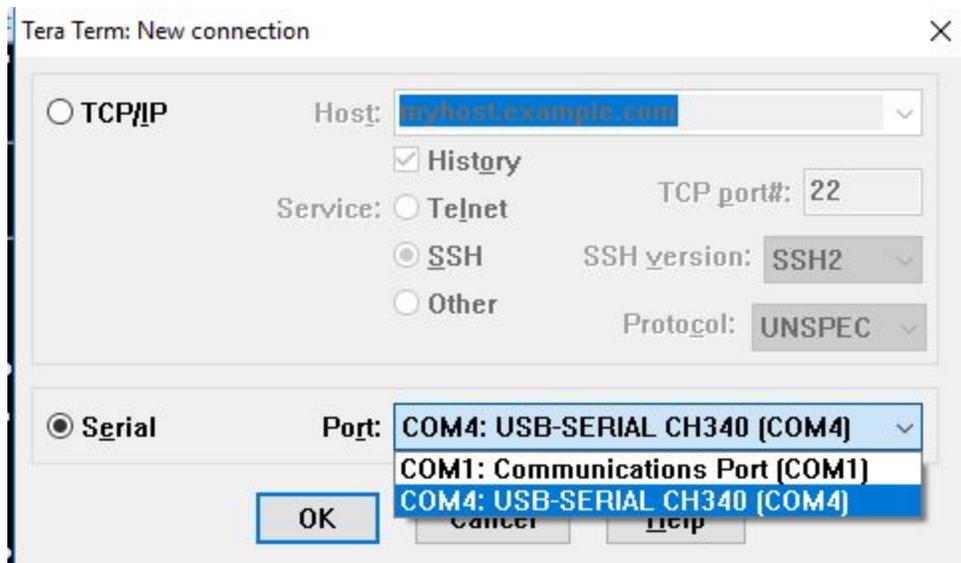1. Attach board to computer using provided USB cable
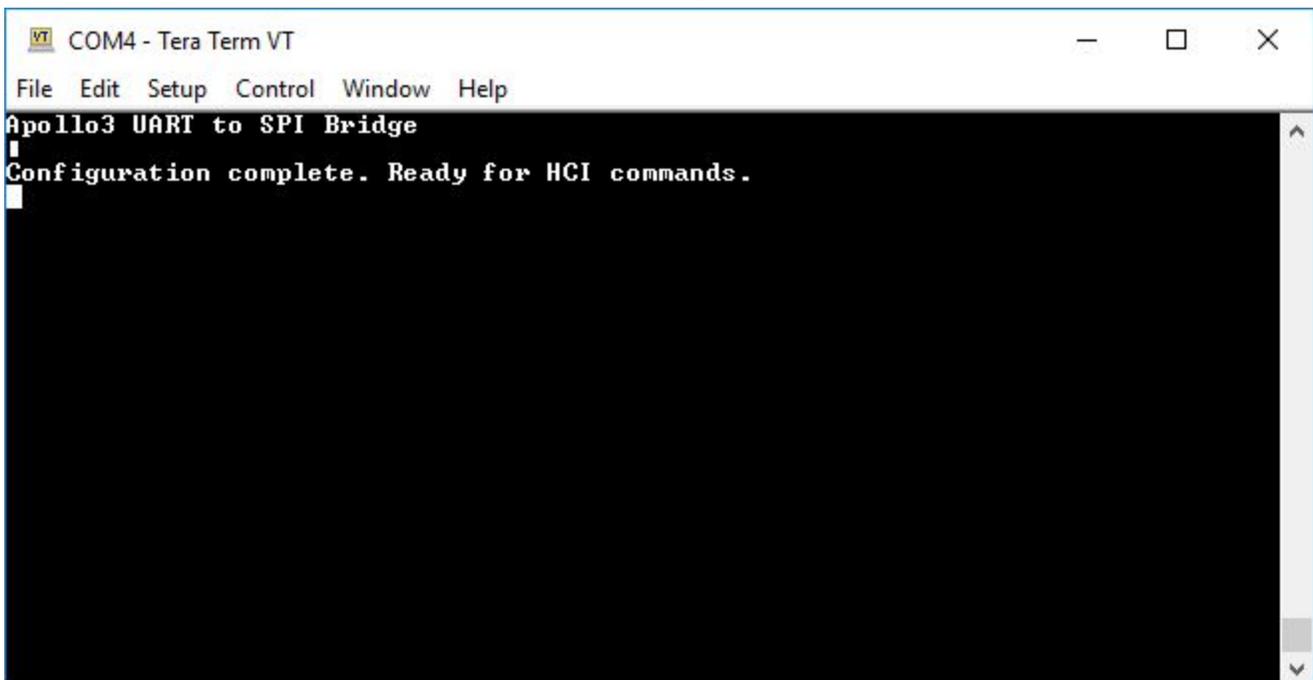2. The device should initialize under Windows as a COM port

COM Port initialized to COM4

3. Open a terminal program (TeraTerm, etc) at 115200bps using the COM port listed in Device Manager

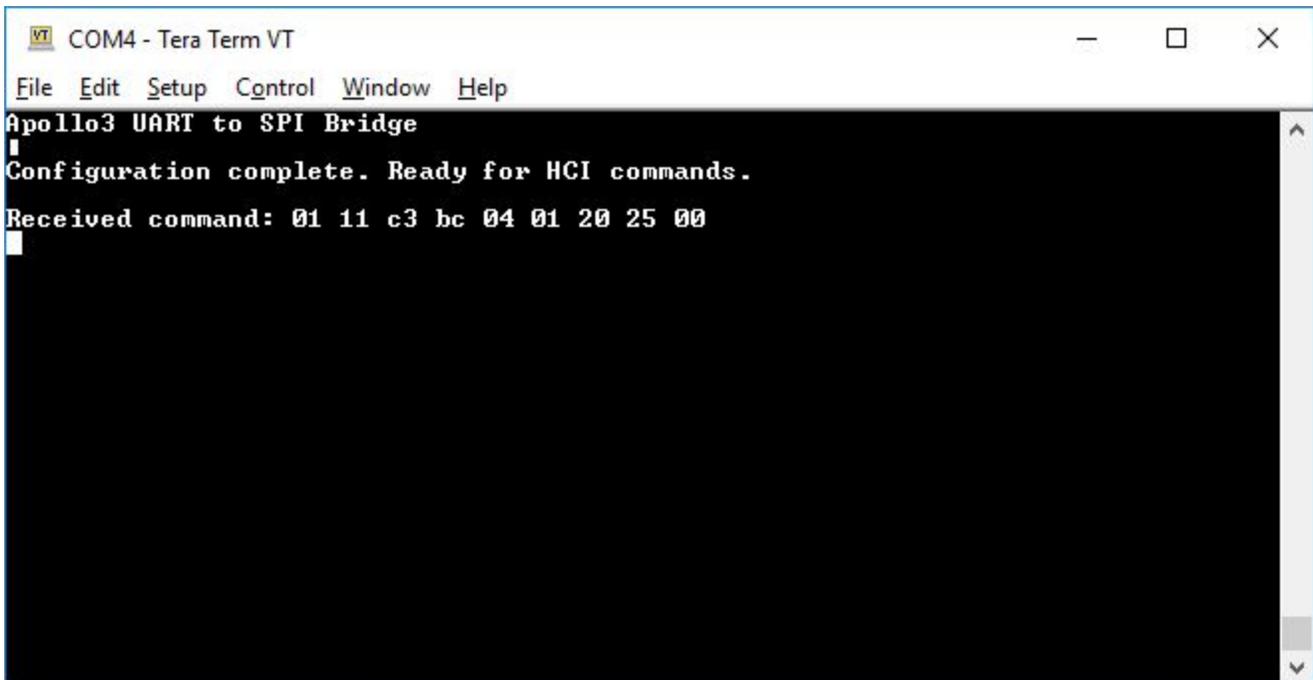4. After 1 second the EUT should report that it is ready for commands.

5. Commands cannot be typed manually as the program expects HCI commands has a max timeout. HEX values can be sent using the Macro command in Teraterm. We have created the basic macros but they may need to be edited to change the channel under test:

hci_9304_transmitter_test.ttl	5/31/2019 9:15 AM	TTL File	1 KB
hci_receiver_test.ttl	5/31/2019 9:16 AM	TTL File	1 KB
hci_reset.ttl	5/31/2019 9:04 AM	TTL File	1 KB
hci_test_end.ttl	5/31/2019 9:17 AM	TTL File	1 KB
hci_transmitter_test.ttl	5/31/2019 9:13 AM	TTL File	1 KB

```
C uart_ble_bridge.c      ≡ hci_test_end.ttl      ≡ hci_9304_transmitter_test.ttl  ×
1    ; 01 11 fc 04 01 xx 25 00 -- '01' indicates continuous transmit mode (PRBS9, duty cycle = 100%).
2    ; 01 11 fc 04 04 xx 25 00 -- '04' indicates continuous carrier wave at center frequency.
3    ; xx can be chanel 0x00 to 0x27
4
5    ; Continuous transmit mode PRBS9
6    send $01 $11 $fc $04 $01 $20 $25 $00
7
```

Above is shown the 9304 transmitter test command that may need to be modified from channel 0x20 (32).

```
VT COM4 - Tera Term VT                                    —    □    ✕
File  Edit  Setup  Control  Window  Help
Apollo3 UART to SPI Bridge

Configuration complete. Ready for HCI commands.

Received command: 01 11 c3 bc 04 01 20 25 00
```

Once a command is sent you will see a confirmation message.

For more information see the PDF "RF TEST GUIDANCE FOR APOLLO® BASED EQUIPMENT"