

Lua regex and data parsing handling

Task 1

Write small application that would access json type file, and if it matches radio protocol as "11ad", which is located under radios.wlan0 data, would print-out currently used channel, frequency, and channelWidth elements

```
{
  "radios": {
    "wlan0": {
      "mac": "C4:93:00:32:DF:9D",
      "name": "wlan0",
      "phy": "phy0",
      "protocol": "11ad",
      "antennas": 0,
      "txPower": 0,
      "channel": 6,
      "frequency": 69120,
      "channelWidth": 2160,
      "noise": 0,
      "countryCode": "00",
      "vendor": "prs",
      "T_radio": 6000,
      "T_mac": 25000
    }
  },
  "vaps": [
    {
      "ifIndex": 14,
      "name": "wlan0",
      "mac": "C4:93:00:32:DF:9D",
      "radio": "wlan0",
      "operationMode": "master",
      "ssid": "179",
      "hiddenSsid": false,
      "peerCount": 1,
      "security": "WPA2-PSK (AES)",
      "maxPeerCount": 32,
      "rxmcs": 4,
      "rxPackets": 13145561497,
      "rxErrors": 0,
    }
  ]
}
```

Task #2

Write a small application that would read firmware version string. And print-out only if the firmware string matches the “6.8.6296952” line. Use the provided string line below.

```
Falcon UMAC 6.8.6296952 Linux  
May 2 2023 09:31:59 sw_build
```

Prepare code output for report