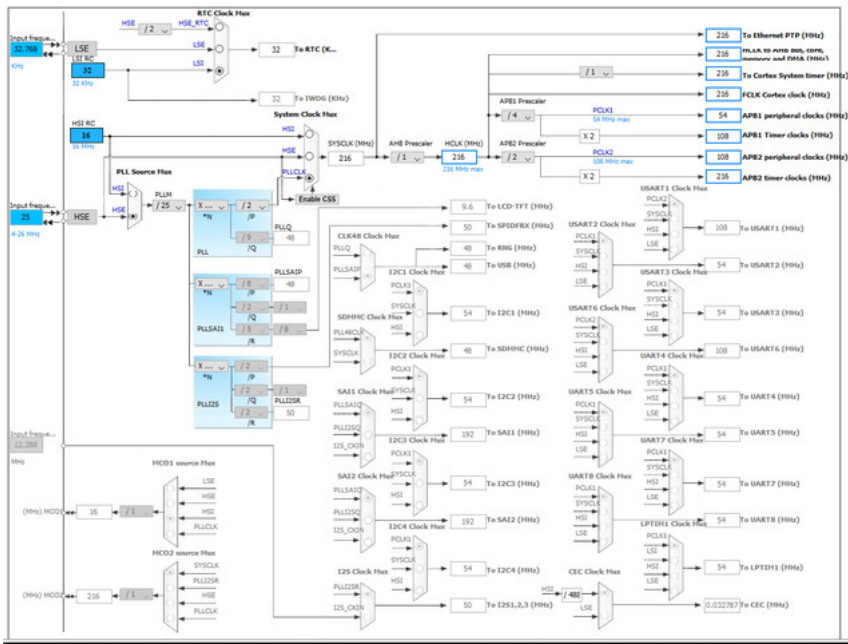
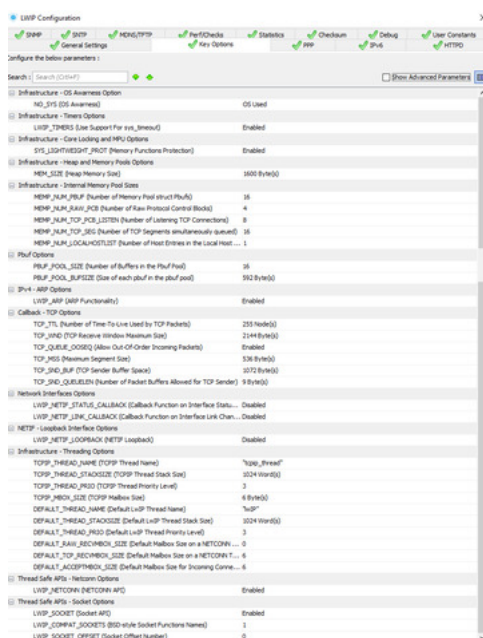


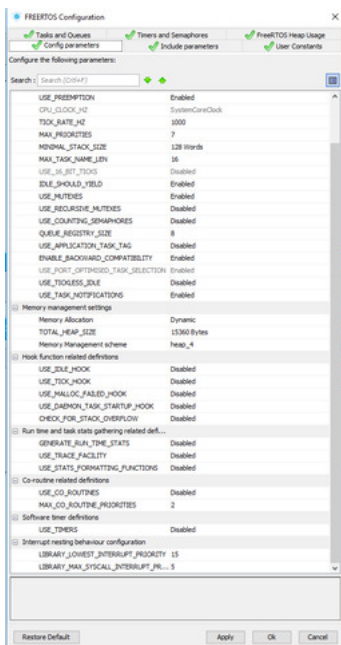
Hello, im generating default ethernet codes from CubeMX. im using freertos+lwip and i set static ip. All other lwip settings are default. My clock config:



My default lwIP settings:



My default FreeRtos settings:



And i use simple below iperf codes for test.

```

void iperfthread(void *arg)
{
    ethernetif_input(&gnetif);
}

void iperf_test_start(void)
{
    sys_thread_new("iperfthread", iperfthread, NULL, 128, osPriorityRealtime );
}

static err_t iperf_rcv(void *arg, struct tcp_pcb *pcb, struct pbuf *p, err_t err)
{
    LWIP_UNUSED_ARG(arg);

    if (err == ERR_OK && p != NULL) {
        tcp_rcv(pcb, p->tot_len);
        pbuf_free(p);
    } else
    if (err != ERR_OK && p != NULL) {
        pbuf_free(p);
    }

    if (err == ERR_OK && p == NULL) {
        tcp_arg(pcb, NULL);
        tcp_sent(pcb, NULL);
        tcp_rcv(pcb, NULL);
        tcp_close(pcb);
    }
    return ERR_OK;
}

static err_t iperf_accept(void *arg, struct tcp_pcb *pcb, err_t err)
{
    LWIP_UNUSED_ARG(arg);
    LWIP_UNUSED_ARG(err);

    tcp_arg(pcb, NULL);
    tcp_sent(pcb, NULL);
    tcp_rcv(pcb, iperf_rcv);
    return ERR_OK;
}

void iperf_init(void)
{
    struct tcp_pcb *pcb;

    pcb = tcp_new();
    tcp_bind(pcb, IP_ADDR_ANY, 5001); // bind to iperf port
    pcb = tcp_listen(pcb);
    tcp_accept(pcb, iperf_accept);
}

```

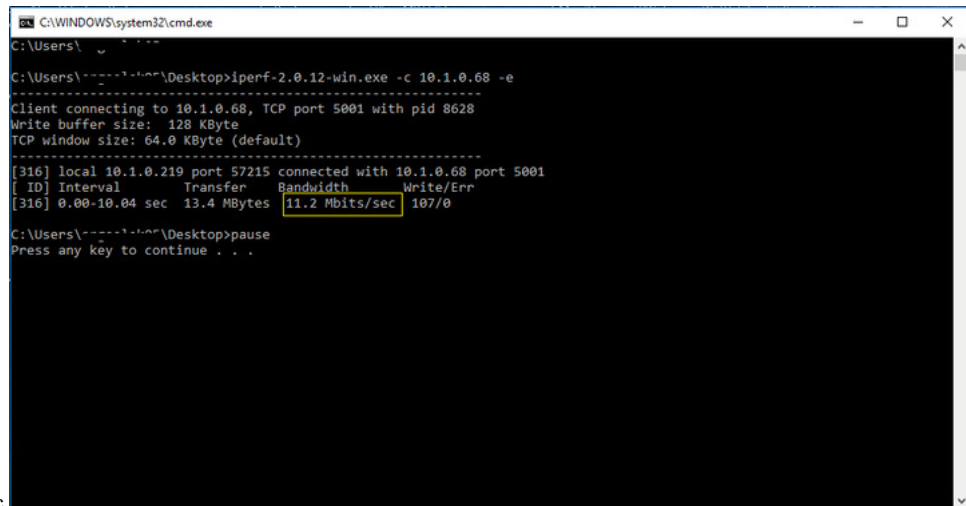
[illegible]

im creating simple thread for iperf task. And this is my main

```
int main(void)
{
    /* Reset of all peripherals, Initializes the Flash interface and the Systick. */
    HAL_Init();

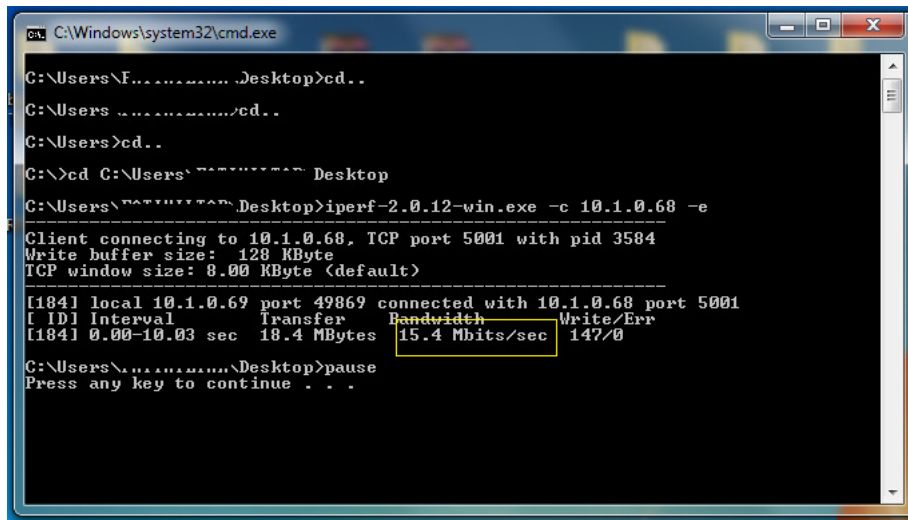
    /* Configure the system clock */
    SystemClock_Config();

    /* Initialize all configured peripherals */
    MX_GPIO_Init();
}
```

[illegible]

Test results are so bad. 11-12Mbits/sec.

For nucleo board the speed is 15 Mbps



How can i fix and increase it ?