Following are the check points for verifying Ligo radio link parameters

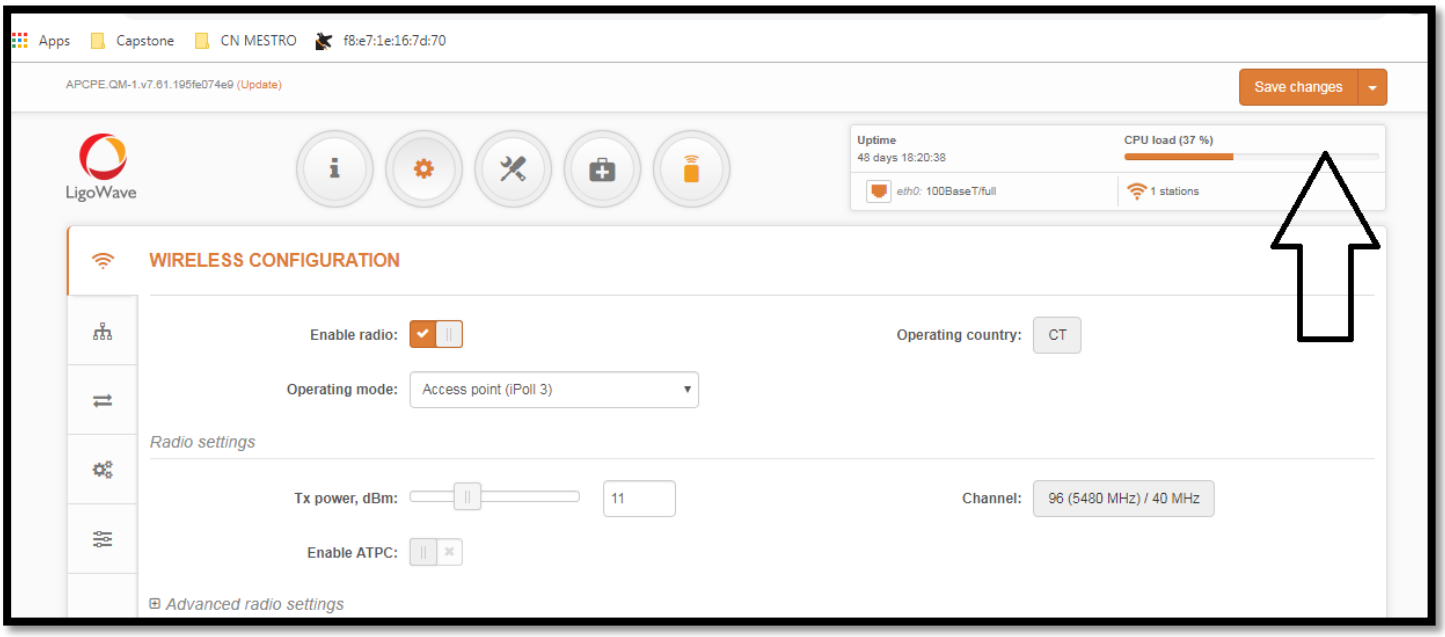
1st :- For Ligo Wave near end radio wireless mode should be “Access point (IPoll3)” and far end radio is “Station (WDS/iPoll2/ipoll3)”.

2nd:- On Home page following parameters can been seen.

- Radio Firmware
- Frequency
- Channel Width
- Output Power

Kindly Note

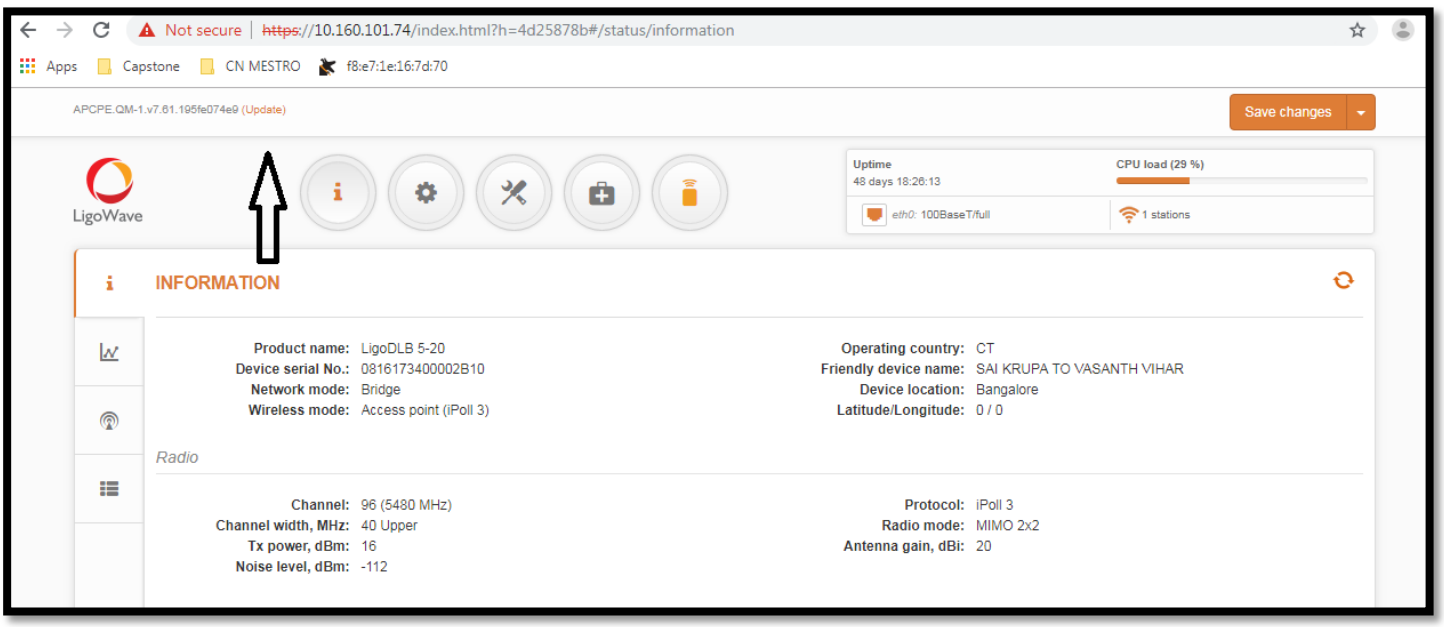
“If you going to change configuration in radio don’t apply directly, kindly check first in test mode and then apply”
If you done some changes in Radio then apply test in Far End Radio first then same will be select in Near End Radio



Radio Firmware

The firmware of Ligo Radio must be updated as following

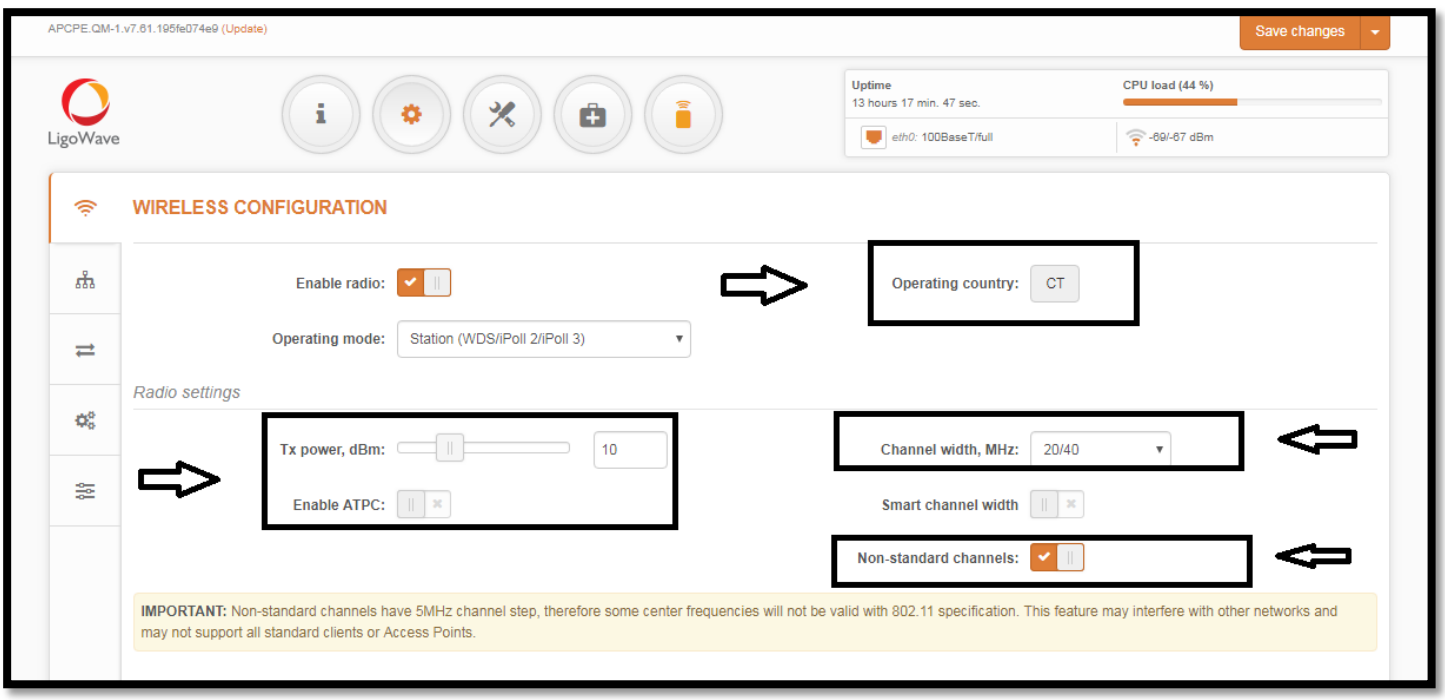
- ✓ **First Login the radio and go to Update option upload Latest Firmware**
- ✓ Upload Current Firmware version -APCPE.QM-1.v7.61.195fe074e9



Frequency Change

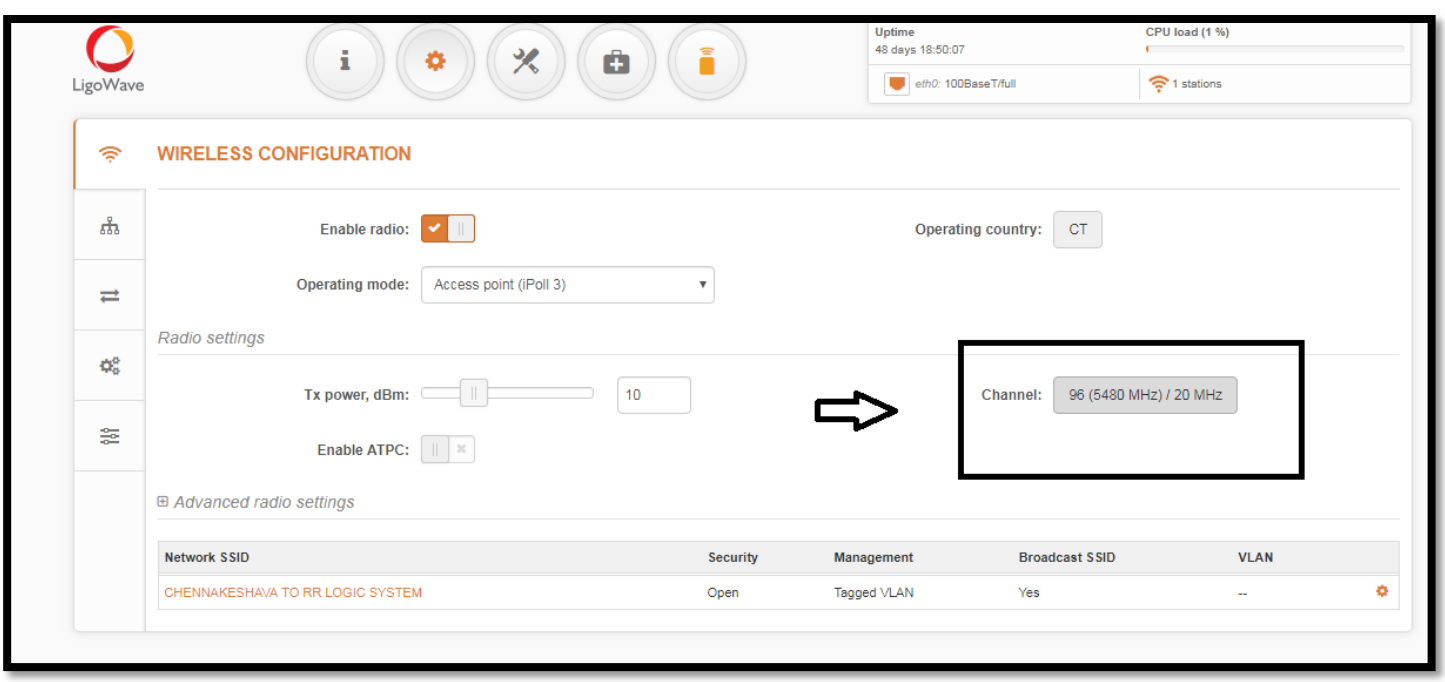
For Far End(Client) Radio

On Frequency changing time first check client end radio "Enable Compliance Test mode/Non-standard channels/ Channel width on Far end 20/40 MHZ , power 10 dBm, disble ATPC".



For Near End Radio

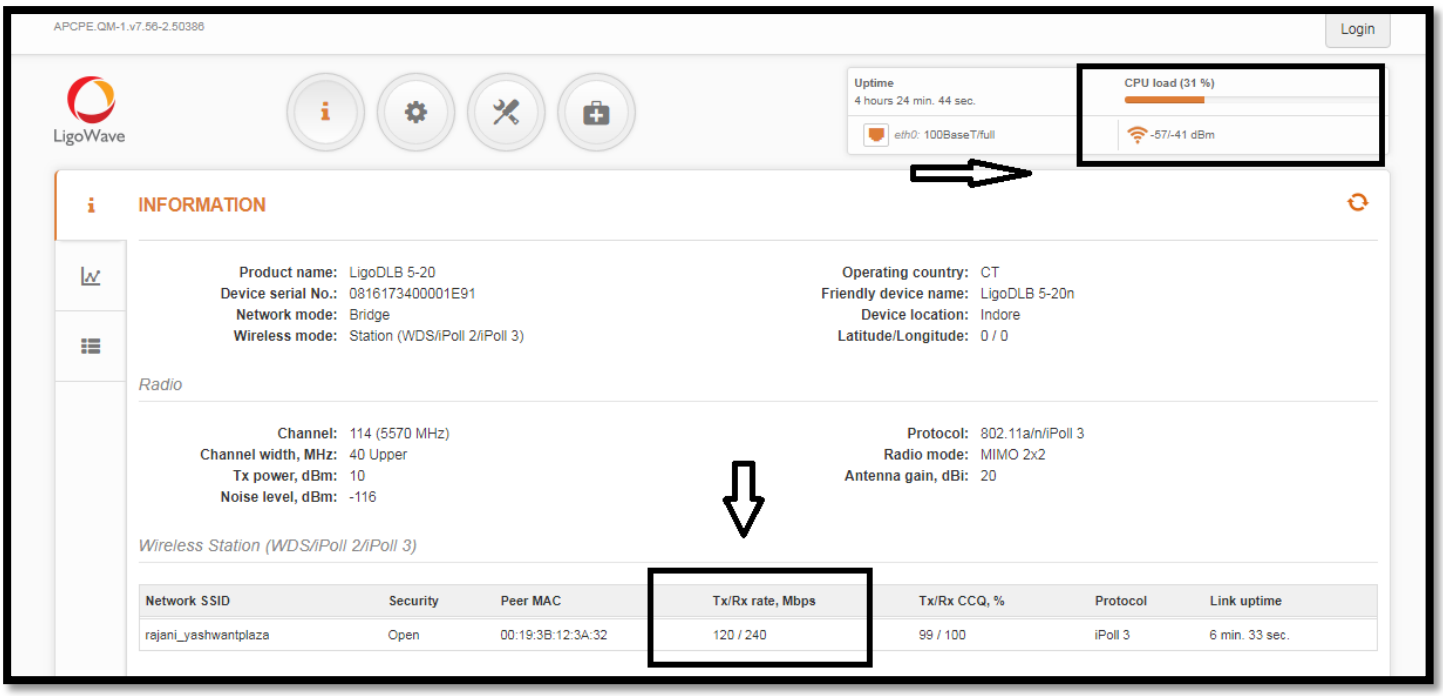
✓ **Select setting option to change the frequency for Near End Radio with Channel 20MHZ output power 10 dbm**



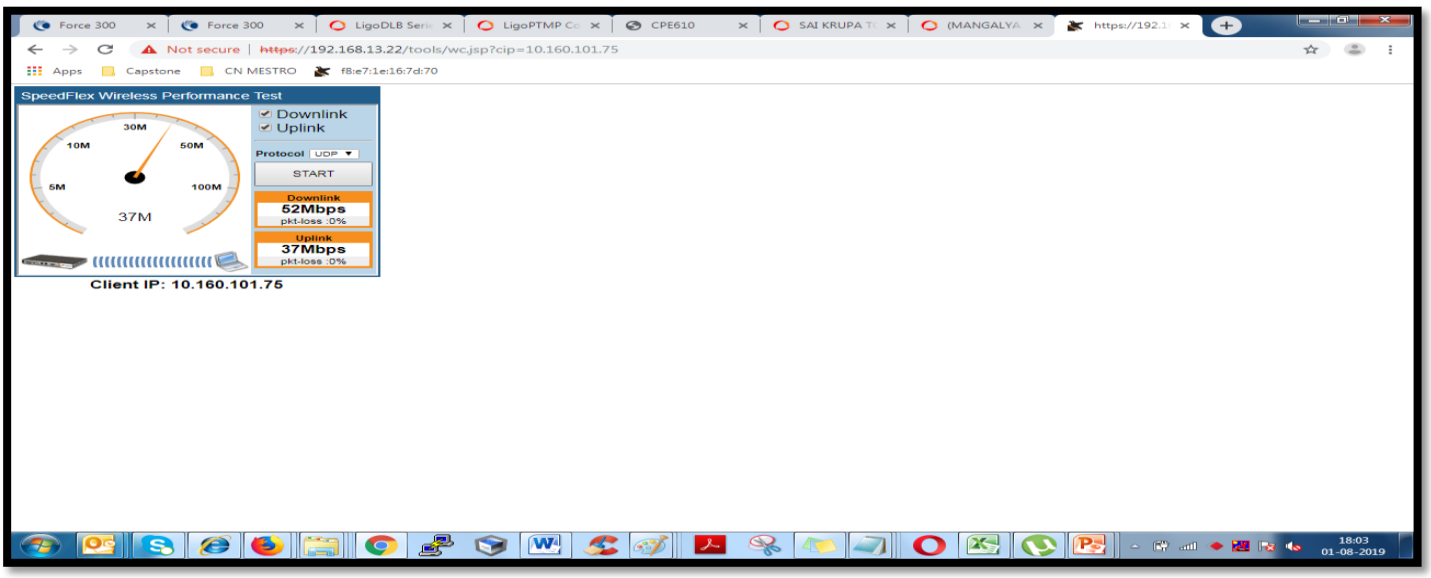
Make sure the frequency range have must be "5470 to 5570" range

Link RSSI

✓ **RSSI level should be in range 45dBm-55dBm,also check Tx/Rx rate.**

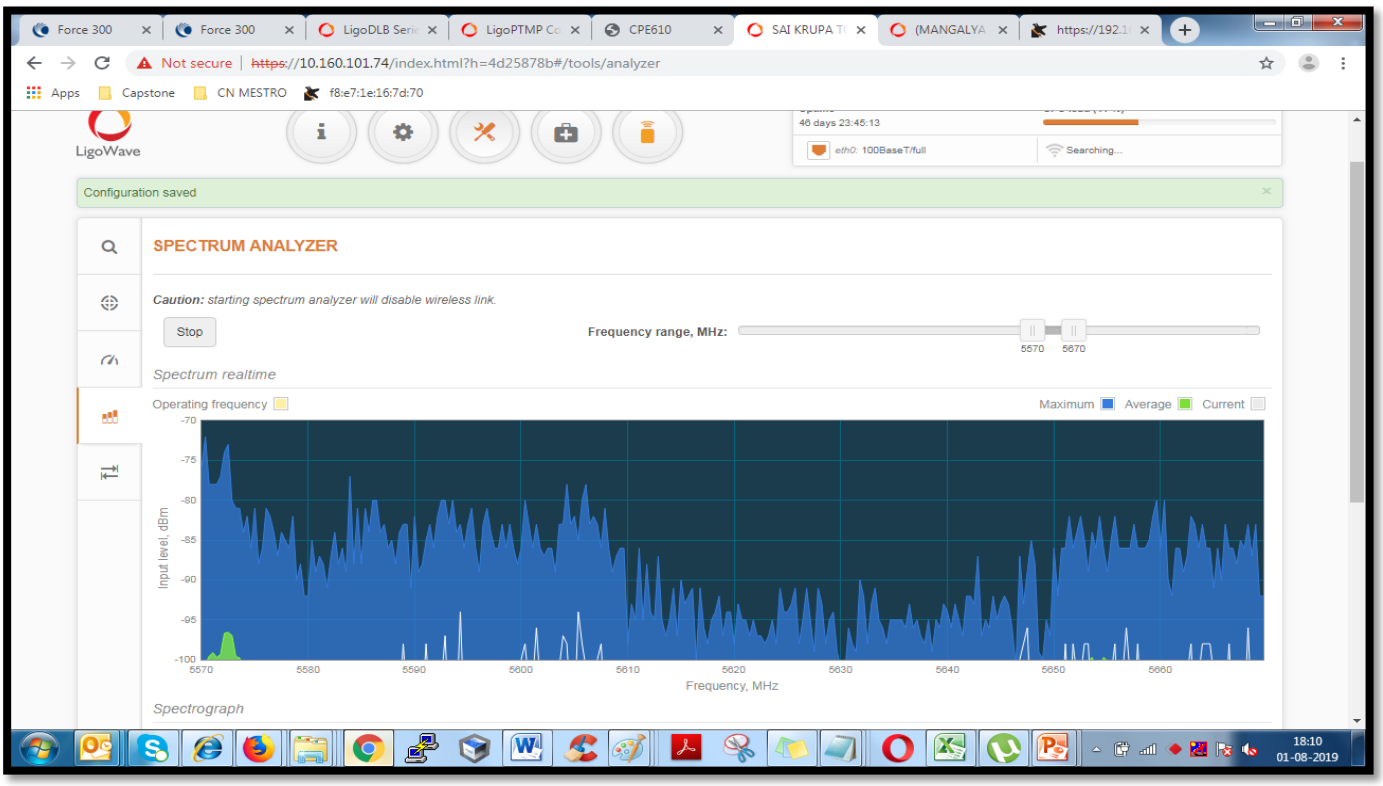


✓ **After changing radio parameters to check speed test using ZDE Link test (City wise link)**



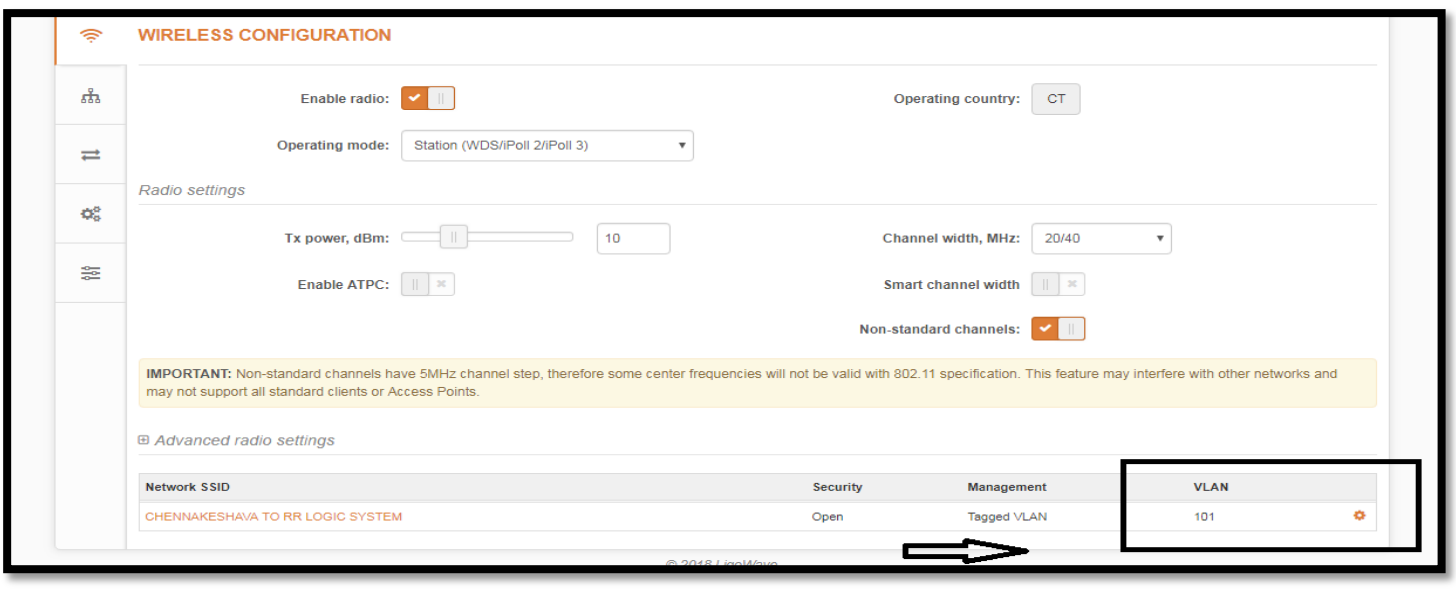
✓ **Before Frequency changing to check free band by using Spectrum Analyser To select Enterprise band 5470 to 5570 and learn Spectrum Analyser**

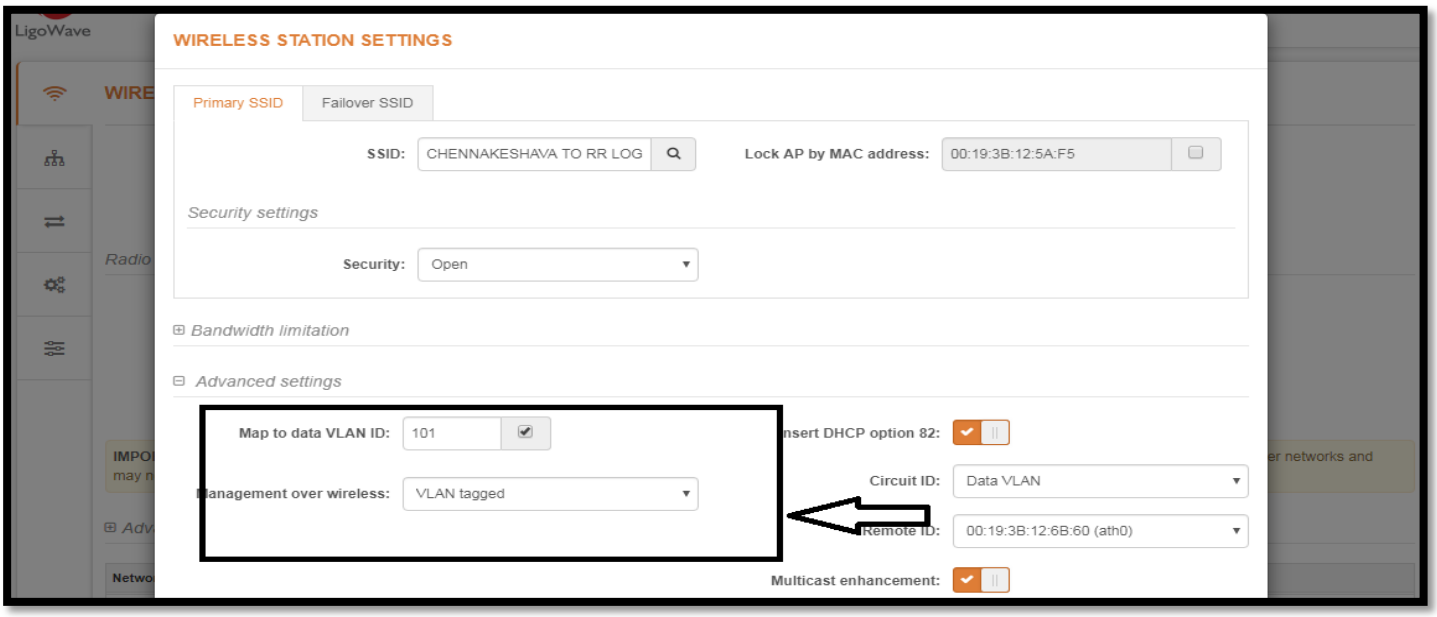
(In Graph Below 80 dbm input level is the best frequency).



Vlan Tagging

✓ **Go to setting option and add vlan**



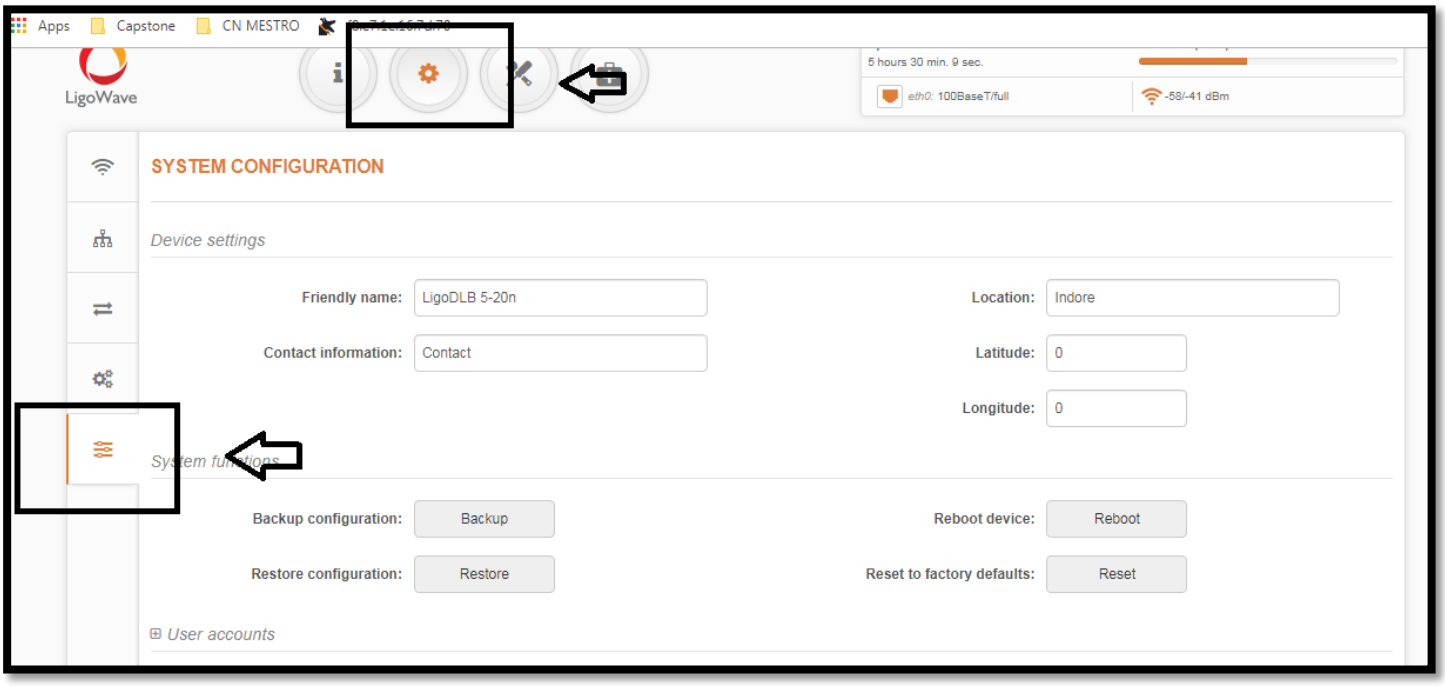


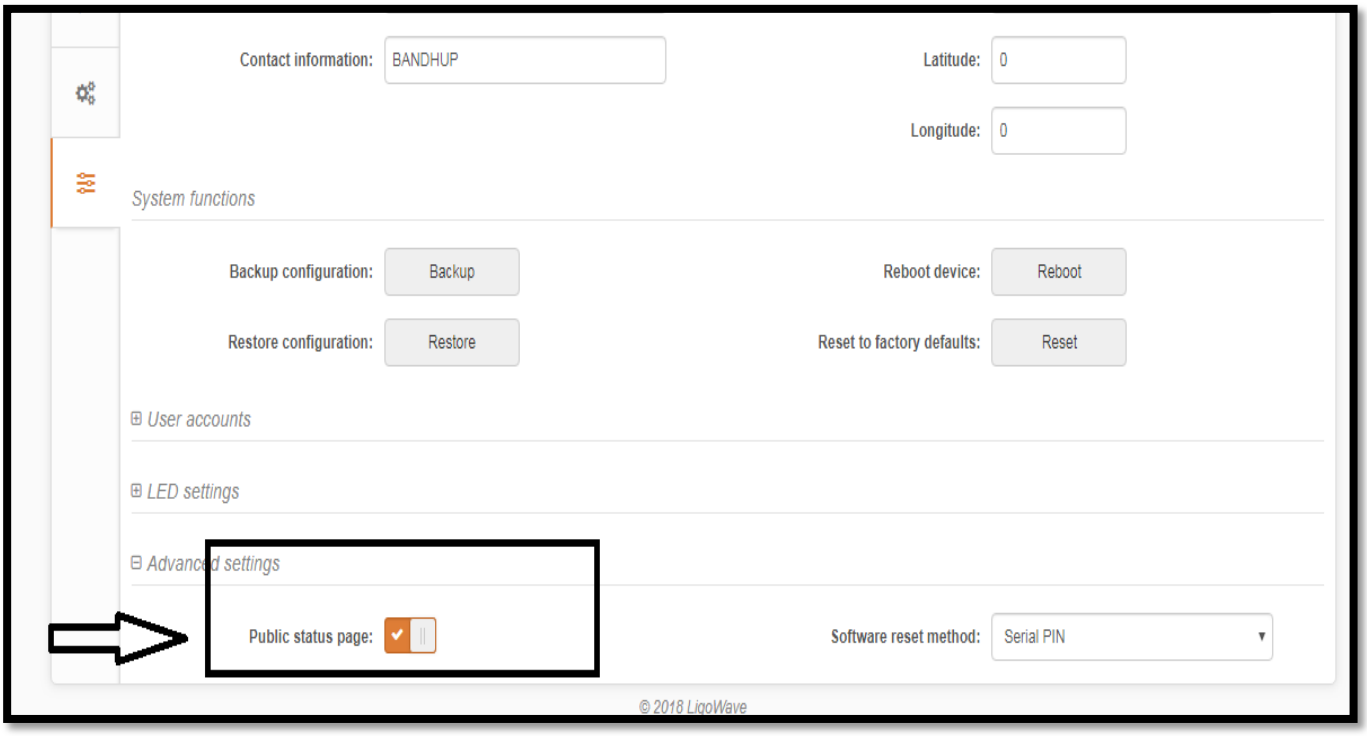
>On the time of Vlan tagging select Management over wireless –VLAN tagged
>DHCP option 82 is Enable for dynamic Customer only , static customer should be Disable

Remember Vlan should be Tagged only client end Radio

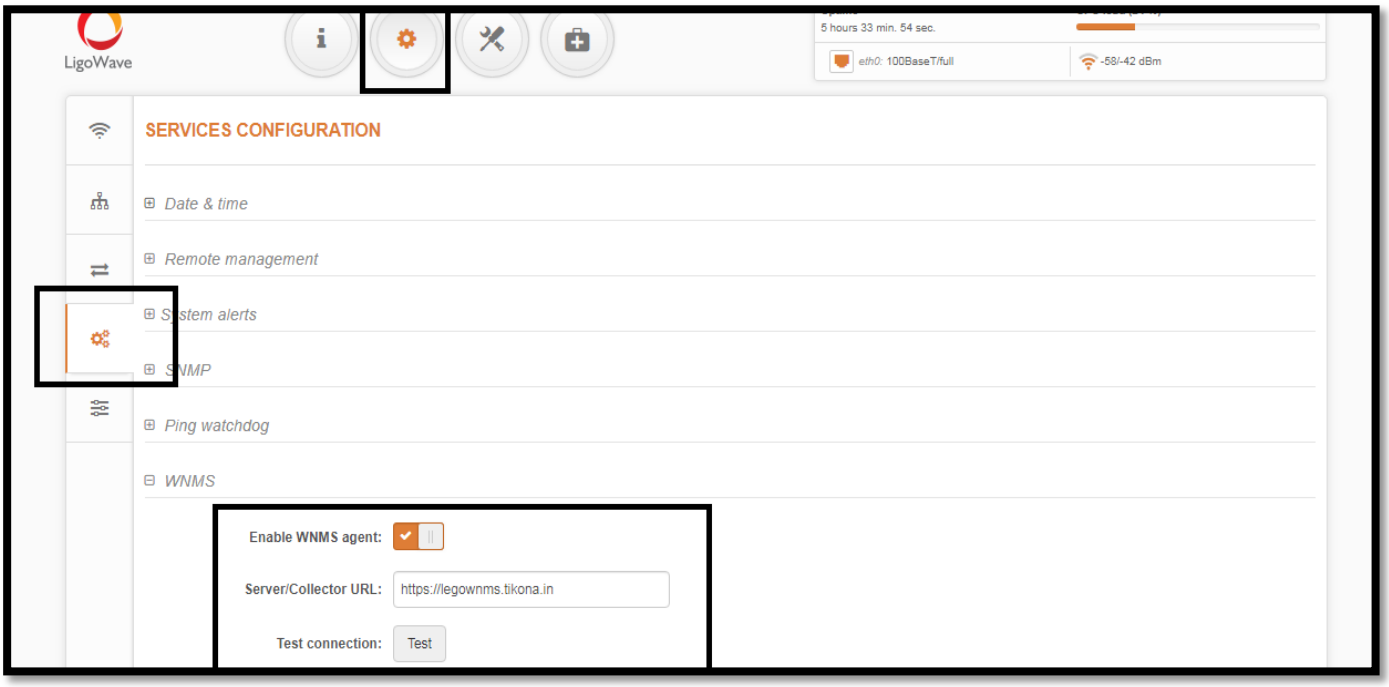
Basic Parameters

✓**Public status page should be enabled.**

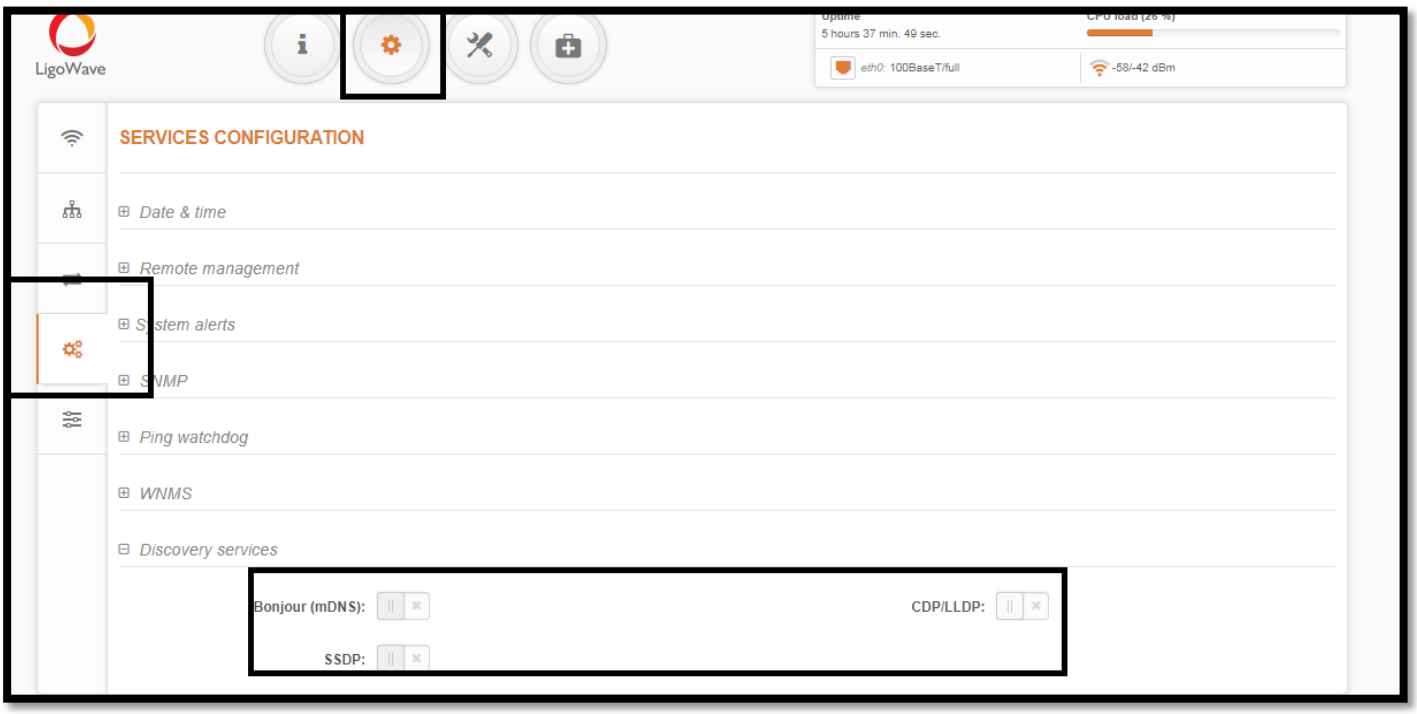




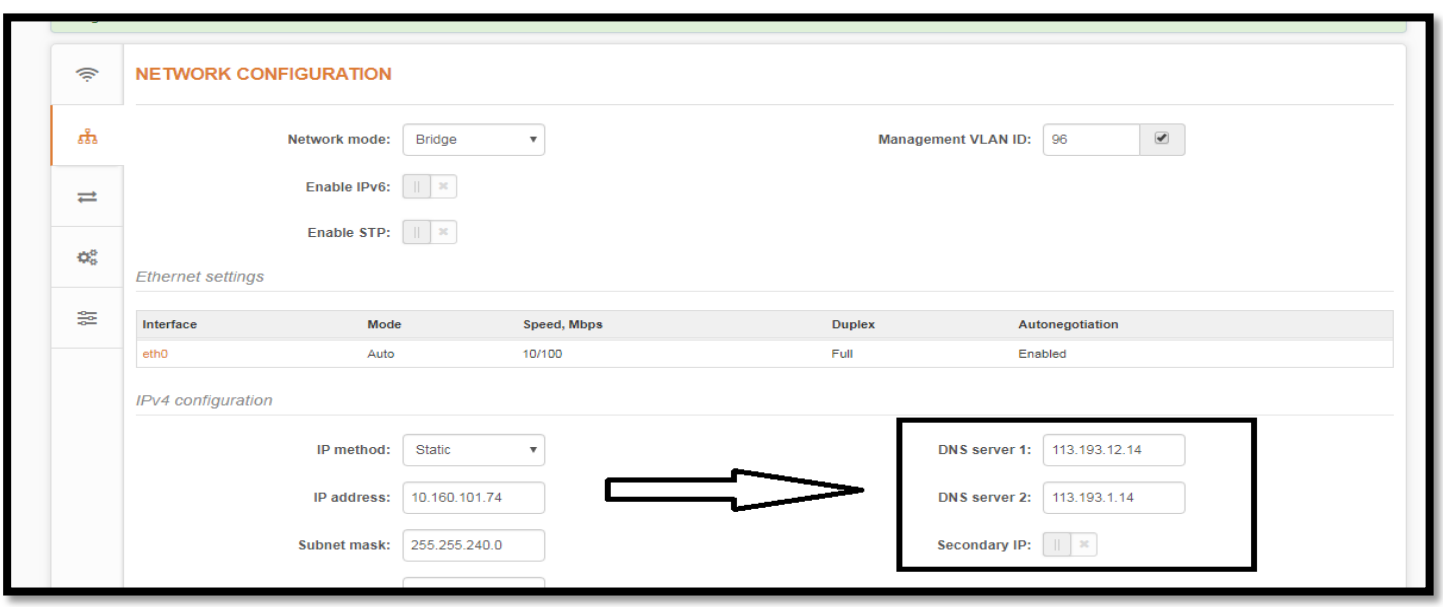
✓**Enter URL in WNMS mode -https://legownms.tikona.in**



✓**Always Disable Bonjour (mDNS), CDP/LLDP, SSDP**



✓**Enter DNS 1 & DNS 2 in respective City wise**



✓**Always ping watchdog disable**