Following are the check points for verifying Ubiquity radio link parameters

1st :- For Ubiquity near end radio wireless mode should be "Station WDS" and far end radio is "Access Point WDS".

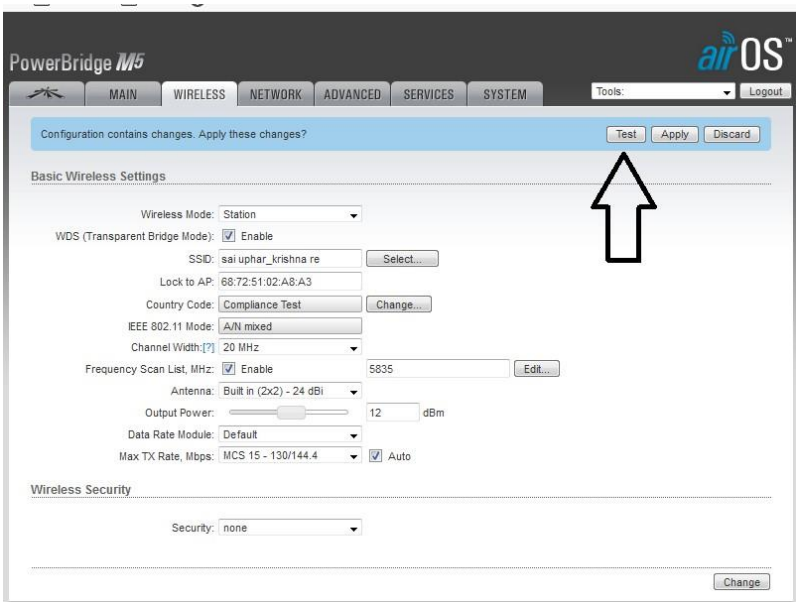
2nd:- On Home page following parameters can been seen.

- Radio Firmware
- Frequency
- Channel Width
- Output Power
- Link RSSSI

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

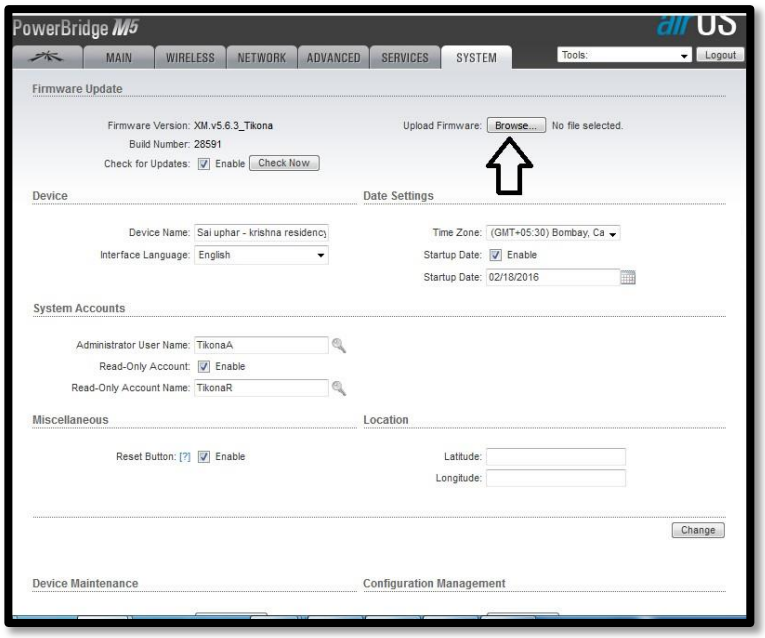


Radio Firmware

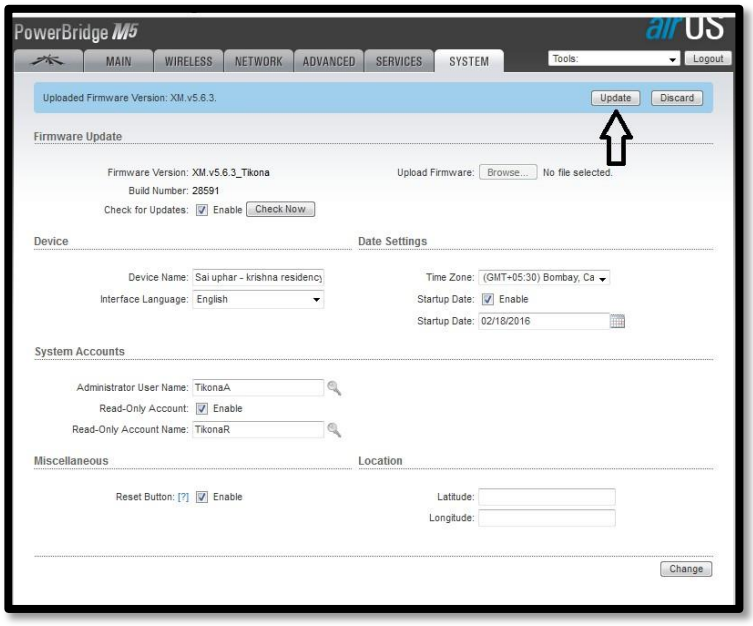
The firmware of Ubiquity Radio must be updated as following

- ✓ **First Login the radio and go to System Tab showing in last option**

✓ **Then Select Browse Option**

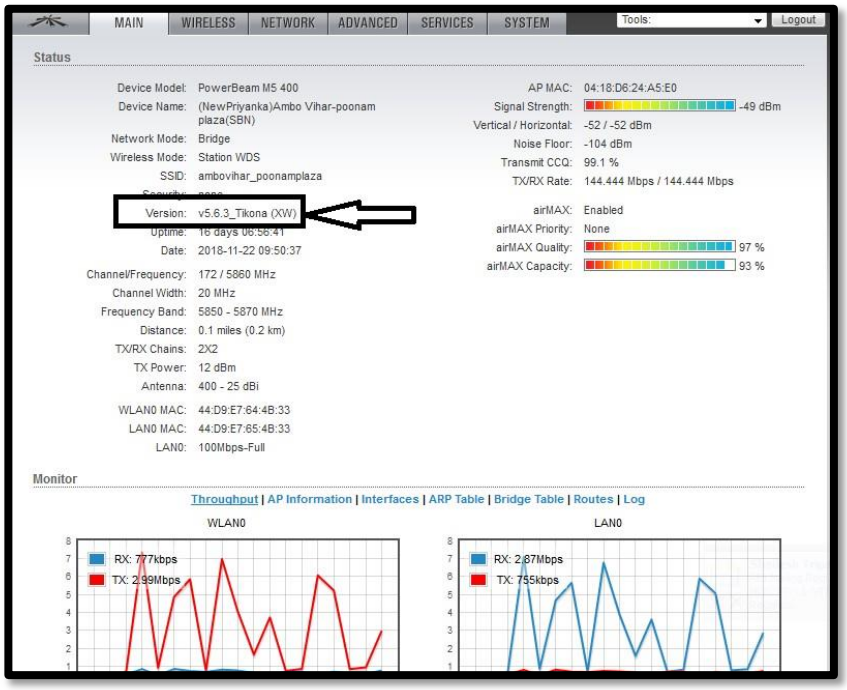


✓ **Once file uploaded done then click Update**

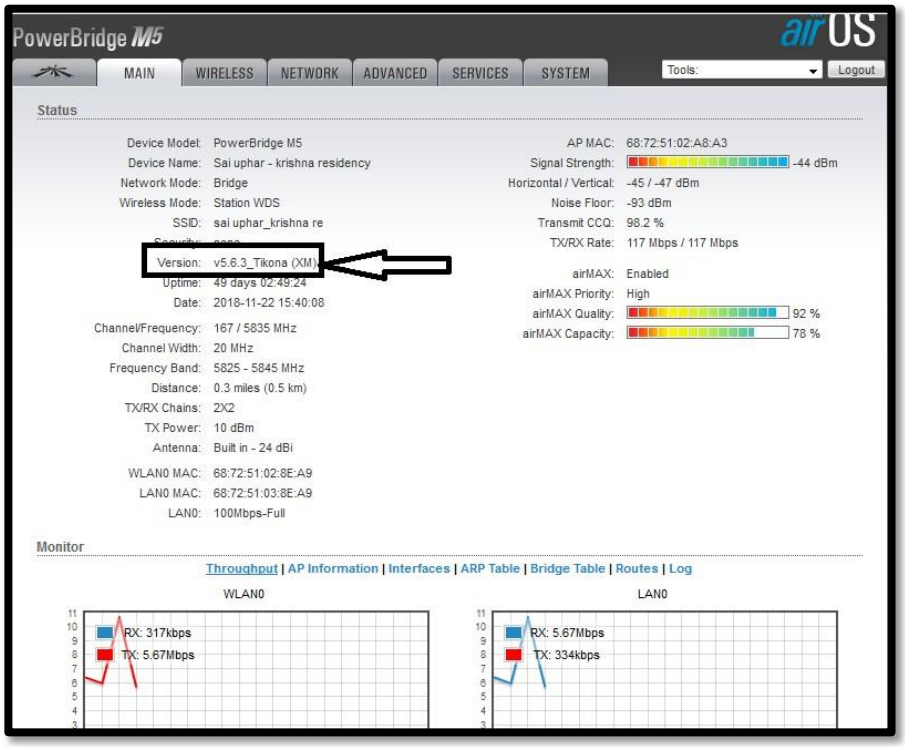


✓ Upload Firmware file as per Device i.e Beam/Bridge in save location.

- For Power Beam/Nano Beam Firmware:-XW.v5.6.3_Tikona.28591.151130.1735.bin



- For Power Bridge/Nano Bridge Firmware:-XM.v5.6.3_Tikona.28591.151130.1749.bi

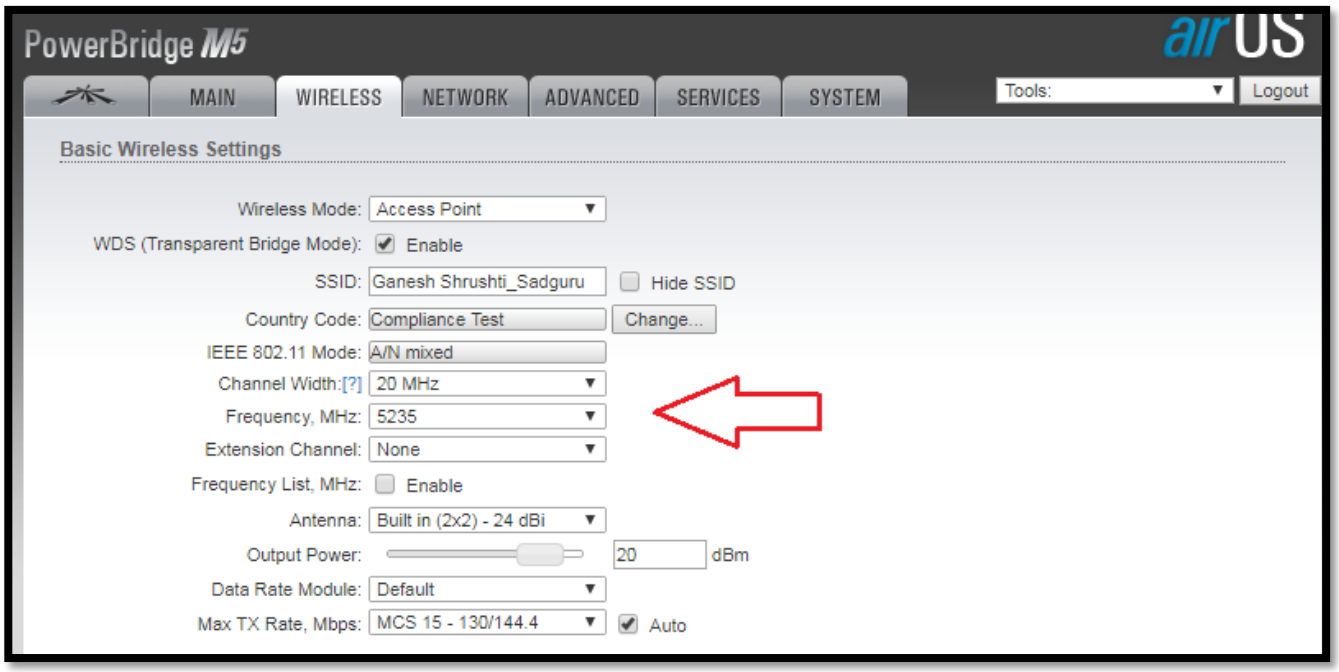


Frequency change

- ✓ **Select Wireless Tab on Both EndRadio**

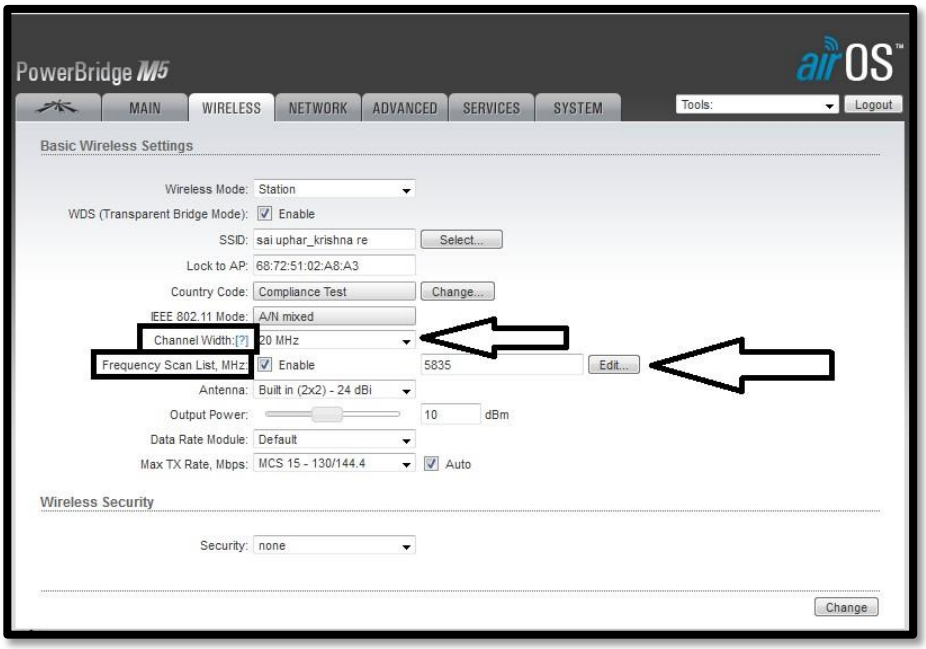
Select Channel Width and Frequency Tab

For Far End Radio

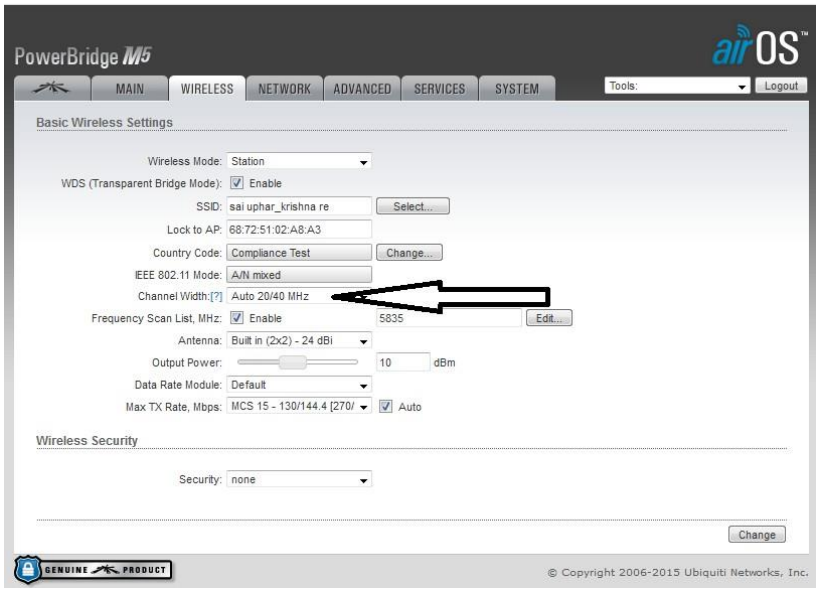


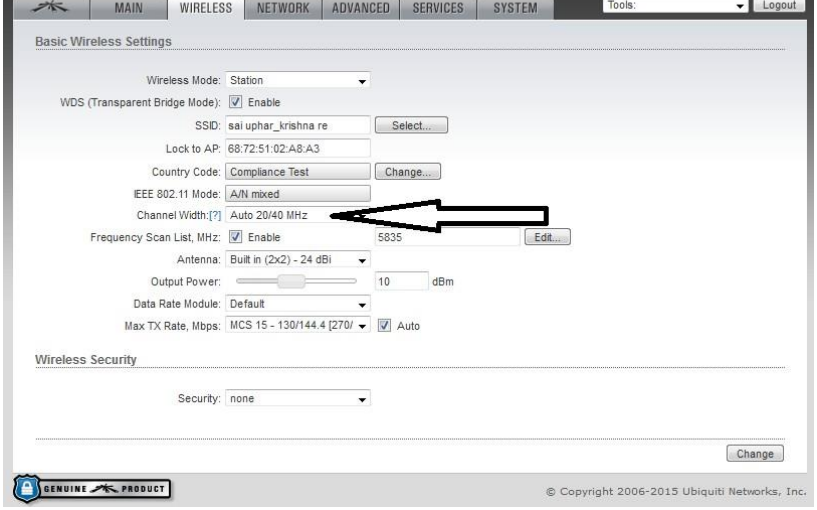
For Near End Radio

- ✓ **Select edit option to change the frequency for Near End Radio with Channel 20MHZ Channel width**



Make sure the frequency range have must be "5470 to 5570 MHz" range with 20MHz Channel Width




MAIN
WIRELESS
NETWORK
ADVANCED
SERVICES
SYSTEM
Tools:
Logout
Basic Wireless Settings
Wireless Mode: Station
WDS (Transparent Bridge Mode): Enable
SSID: sai uphar_krishna re
Select...
Lock to AP: 68:72:51:02:A8:A3
Country Code: Compliance Test
Change...
IEEE 802.11 Mode: A/N mixed
Channel Width: [?] Auto 20/40 MHz
Frequency Scan List, MHz: Enable
5835
Edit...
Antenna: Built in (2x2) - 24 dBi
Output Power:
10
dBm
Data Rate Module: Default
Max TX Rate, Mbps: MCS 15 - 130/144.4 [270/
Auto
Wireless Security
Security: none
Change
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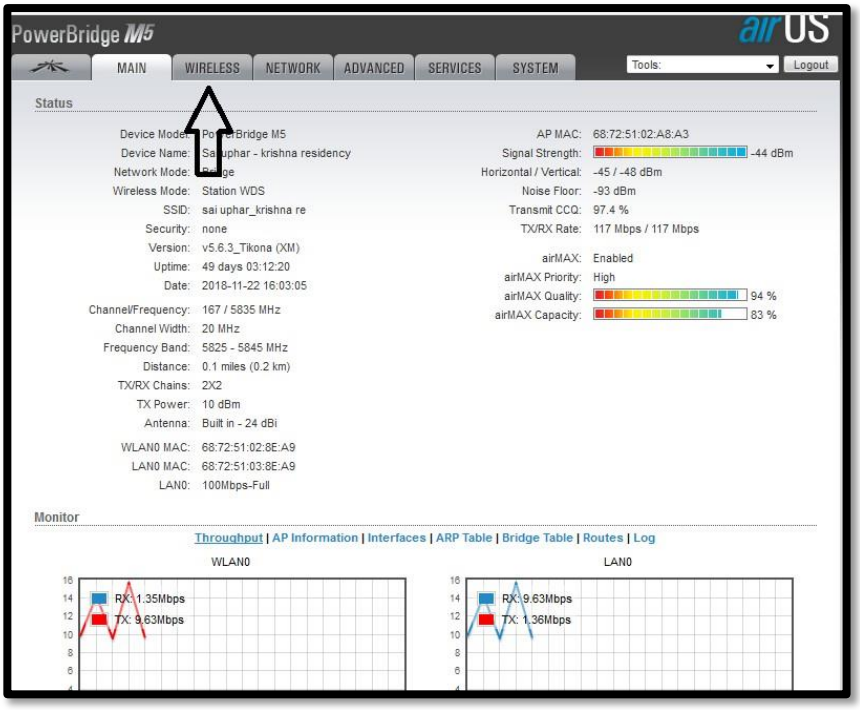
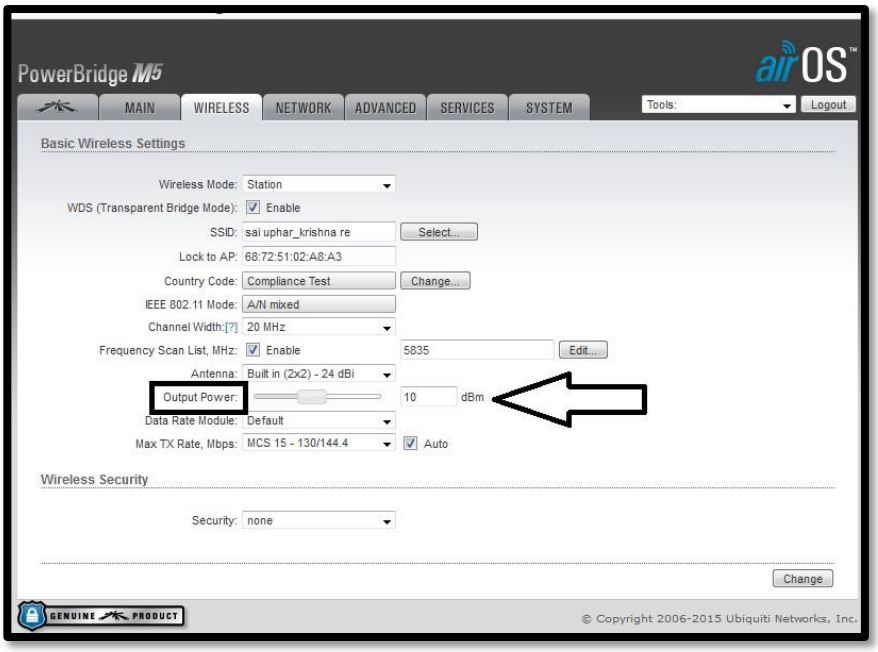
Out Put Power

- ✓ The Radio Out Put Power on Both End should be as per distance and RF Calculator

Select Wireless Tab



Select Output Power Option



Link RSSI

✓ **RSSI level should be in range 45dBm-55dBm**