

Following are the check points for verifying Ubiquiti radio link parameters

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

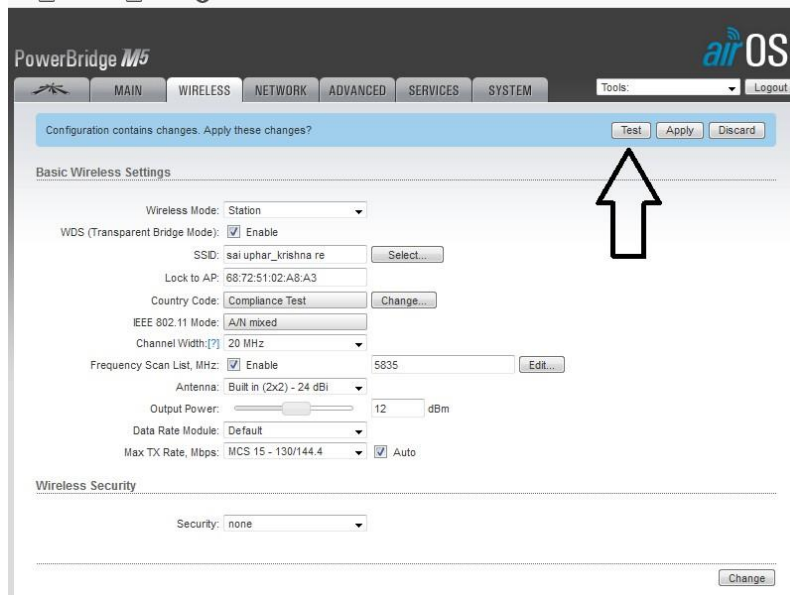
2nd:- On Home page following parameters can be seen.

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

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 Ubiquiti Radio must be updated as following

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



- ✓ Then Select Browse Option

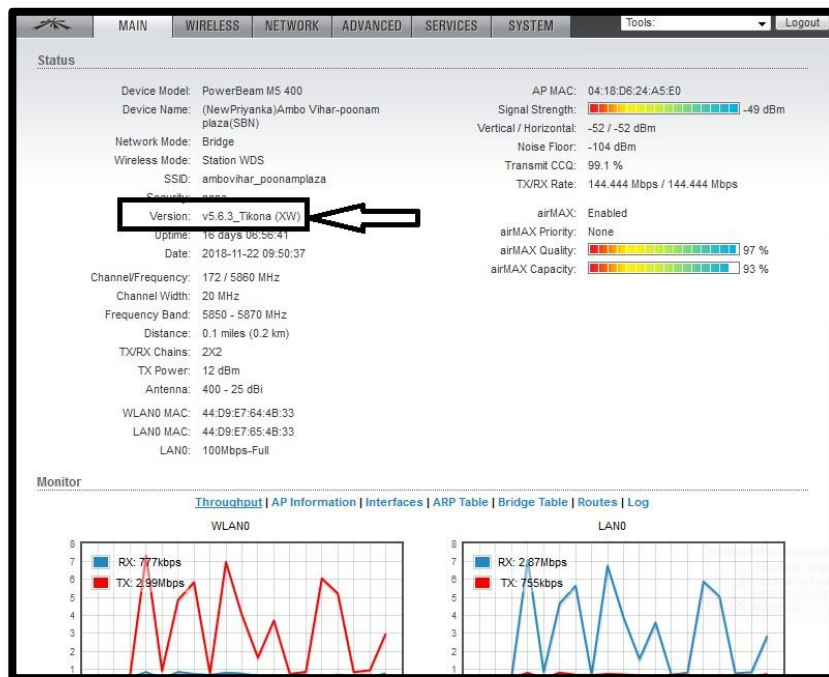
The screenshot shows the 'PowerBridge M5' web interface with the 'SYSTEM' tab selected. The 'Firmware Update' section is active, displaying 'Firmware Version: XM.v5.6.3_Tikona' and 'Build Number: 28591'. The 'Upload Firmware' field shows 'No file selected' with a 'Browse...' button. An arrow points to this button. Other sections include 'Device' (Device Name: Sai uphar - krishna residency, Interface Language: English), 'Date Settings' (Time Zone: (GMT+05:30) Bombay, Ca, Startup Date: 02/18/2016), 'System Accounts' (Administrator User Name: TikonaA, Read-Only Account: TikonaR), and 'Miscellaneous' (Reset Button: Enable, Latitude/Longitude fields).

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

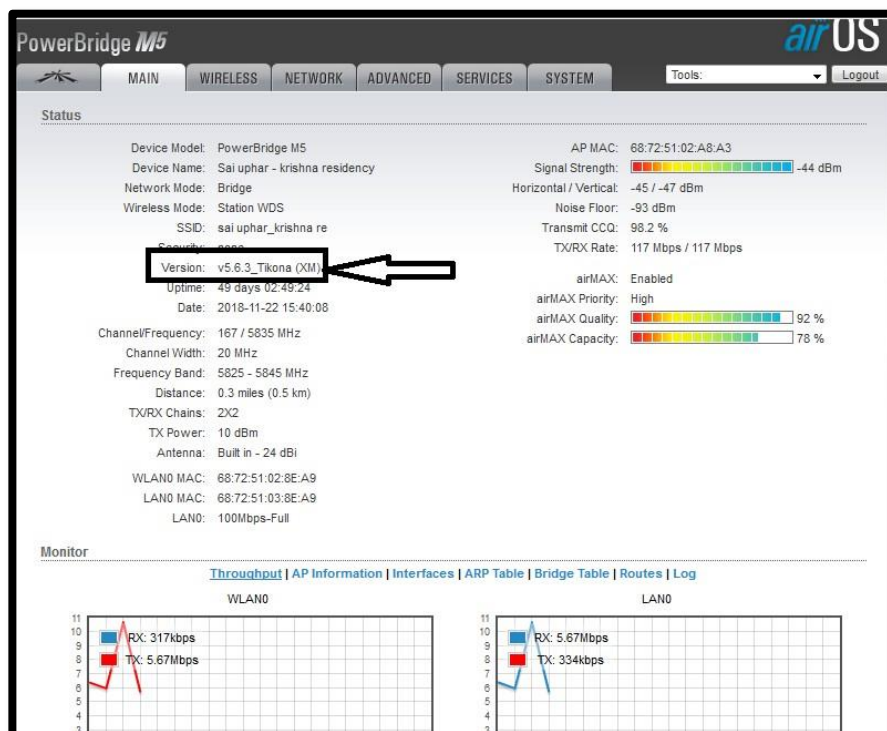
The screenshot shows the 'PowerBridge M5' web interface with the 'SYSTEM' tab selected. The 'Firmware Update' section is active, displaying 'Uploaded Firmware Version: XM.v5.6.3'. The 'Update' button is highlighted with an arrow. Other sections include 'Device' (Device Name: Sai uphar - krishna residency, Interface Language: English), 'Date Settings' (Time Zone: (GMT+05:30) Bombay, Ca, Startup Date: 02/18/2016), 'System Accounts' (Administrator User Name: TikonaA, Read-Only Account: TikonaR), and 'Miscellaneous' (Reset Button: Enable, Latitude/Longitude fields).

- ✓ 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

The screenshot shows the PowerBridge M5 airUS web interface. The top navigation bar includes tabs for MAIN, WIRELESS, NETWORK, ADVANCED, SERVICES, and SYSTEM. The WIRELESS tab is selected. The main content area is titled "Basic Wireless Settings". It contains the following fields and controls: Wireless Mode (Access Point), WDS (Transparent Bridge Mode) (Enable), SSID (Ganesh Shrushti_Sadguru), Hide SSID (checkbox), Country Code (Compliance Test), Change... button, IEEE 802.11 Mode (A/N mixed), Channel Width (20 MHz), Frequency (5235 MHz), Extension Channel (None), Frequency List, MHz (Enable), Antenna (Built in (2x2) - 24 dBi), Output Power (20 dBm), Data Rate Module (Default), Max TX Rate, Mbps (MCS 15 - 130/144.4), and Auto (checkbox). A red arrow points to the Channel Width field.

For Near End Radio

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

PowerBridge M5 airOS™

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: 20 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 ☒ Auto

Wireless Security

Security: none

Change

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

PowerBridge M5 airOS™

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

GENUINE PRODUCT

© Copyright 2006-2015 Ubiquiti Networks, Inc.

MAINWIRELESSNETWORKADVANCEDSERVICESSYSTEMTools:Logout

Basic Wireless Settings

Wireless Mode:Station

WDS (Transparent Bridge Mode):☒ Enable

SSID:sai uphar_krishna reSelect...

Lock to AP:68:72:51:02:A8:A3

Country Code:Compliance TestChange...

IEEE 802.11 Mode:A/N mixed

Channel Width:[?]Auto 20/40 MHz

Frequency Scan List, MHz:☒ Enable5835Edit...

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

 GENUINE PRODUCT

© Copyright 2006-2015 Ubiquiti Networks, Inc.



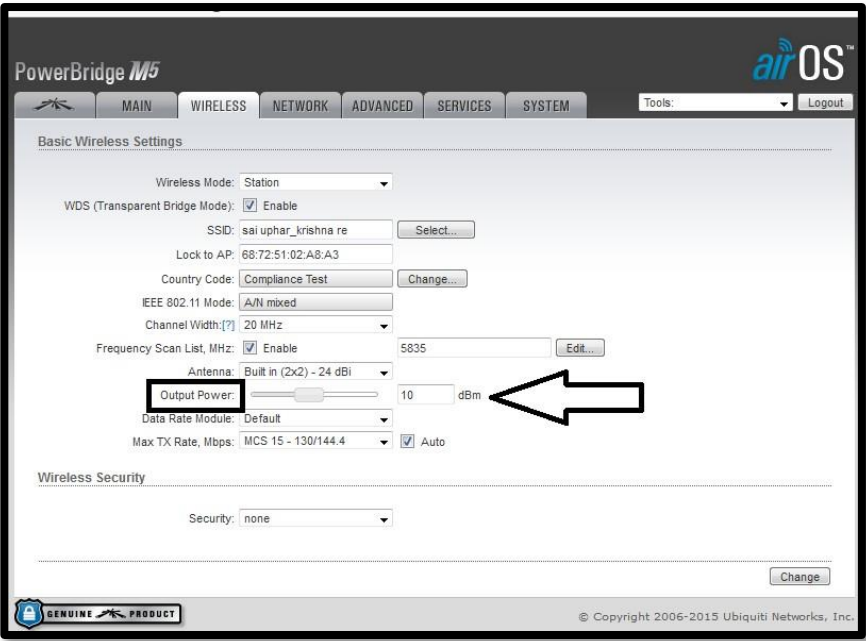
Out Put Power

- ✓ 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

