

# Alvarion Technologies Ltd.

13-15 Ha'amal St. Park Afek, Rosh Ha'ayin 48091, ISRAEL

## TX Power declaration

Date: 05/01/2016

FCC ID: LKTWBSACO12450-1

To Whom It May Concern:

When professional installer will set work frequency in the GUI to be within UNII-1 band – the software will automatically apply power limit of 20dBm E.I.R.P. to comply with FCC requirements of Part 15.407(a)(1)(i) of 21dBm. GUI limits the E.I.R.P. power to be 20dBm, due to antenna gain uncertainty of 0.5dB. This power limit cannot be changed either by professional installer or end user.

As a proof, please see bellow screenshots of the GUI for channels 36, 40, 44 and 48. The GUI shows maximum aggregated power limited to 14dBm, so with peek antenna gain of 6dBi - E.I.R.P. power will be limited to 20dBm.

The screenshot displays the Alvarion management interface for a wireless network. The left sidebar contains navigation options: Status, System, Services, Network, Interfaces, Wifi, wlan0: Master "AP1", wlan1: Master "AP2", VLANs, Local DNS, Diagnostics, Passpoint, APController, Statistics, and Logout. The main content area is titled "Wireless Network: Master 'AP2' (ath6)". Under "Device Configuration", the "General Setup" tab is active, showing "Radio is enabled" (checked), "Wireless Standard" (802.11ac), "Channel Spectrum Width" (20 MHz), "Channel" (36 (5.180 GHz)), and "Transmit Power" (Max). A dropdown menu for "Transmit Power" is open, listing options: 14 dBm, 13 dBm, 12 dBm, 11 dBm, 10 dBm, 9 dBm, 8 dBm, 7 dBm, 6 dBm, 5 dBm, 4 dBm, and 3 dBm. The "Interface Configuration" tab is also visible, showing "Mode" (14 dBm) and "ESSID" (13 dBm). The bottom right corner of the interface includes "Reset", "Save", and "Save & Apply" buttons. The top right corner shows "Hostname: AP, User: admin" and "Changes: 0".

alvarion Hostname: AP, User: admin

Changes: 0

Status

System

Services

Network

Interfaces

Wifi

wifi0: Master "AP1"

wifi1: Master "AP2"

VLANs

Local DNS

Diagnostics

Passpoint

APController

Statistics

Logout

### Wireless Network: Master "AP2" (ath6)

**Device Configuration**

**General Setup**

Radio is enabled  **Disable**

Wireless Standard: 802.11ac

Channel Spectrum Width: 20 MHz

Channel: 40 (5.200 GHz)

Transmit Power: Max

**Interface Configuration**

**General Setup** | Wireless Security | MAC-Filter | Ad

Mode: 14 dBm

ESSID: 13 dBm

Hide ESSID: 12 dBm

11 dBm

10 dBm

9 dBm

8 dBm

7 dBm

6 dBm

5 dBm

4 dBm

3 dBm

**Reset** **Save** **Save & Apply**

alvarion Hostname: AP, User: admin

Changes: 0

Status

System

Services

Network

Interfaces

Wifi

wifi0: Master "AP1"

wifi1: Master "AP2"

VLANs

Local DNS

Diagnostics

Passpoint

APController

Statistics

Logout

### Wireless Network: Master "AP2" (ath6)

**Device Configuration**

**General Setup**

Radio is enabled  **Disable**

Wireless Standard: 802.11ac

Channel Spectrum Width: 20 MHz

Channel: 44 (5.220 GHz)

Transmit Power: Max

**Interface Configuration**

**General Setup** | Wireless Security | MAC-Filter | Ad

Mode: 14 dBm

ESSID: 13 dBm

Hide ESSID: 12 dBm

11 dBm

10 dBm

9 dBm

8 dBm

7 dBm

6 dBm

5 dBm

4 dBm

3 dBm

**Reset** **Save** **Save & Apply**

alvarion Hostname: AP, User: admin

Changes: 0

Status

System

Services

Network

Interfaces

Wifi

wifi0: Master "AP1"

wifi1: Master "AP2"

VLANs

Local DNS

Diagnostics

Passpoint

APController

Statistics

Logout

### Wireless Network: Master "AP2" (ath6)

**Device Configuration**

**General Setup**

Radio is enabled  **Disable**

Wireless Standard: 802.11ac

Channel Spectrum Width: 20 MHz

Channel: 48 (5.240 GHz)

Transmit Power: Max

**Interface Configuration**

**General Setup** | Wireless Security | MAC-Filter | Ad

Mode: 14 dBm

ESSID: 13 dBm

Hide ESSID: 12 dBm

11 dBm

10 dBm

9 dBm

8 dBm

7 dBm

6 dBm

5 dBm

4 dBm

3 dBm

**Reset** **Save** **Save & Apply**

Thank you for your attention.

Yours sincerely,



Gennady Furmanov / Senior HW Engineer

Telephone Number: 972-3-7674222

Fax Number: 972-3-7674491

E-mail Address: gennady.furmanov@alvarion.com