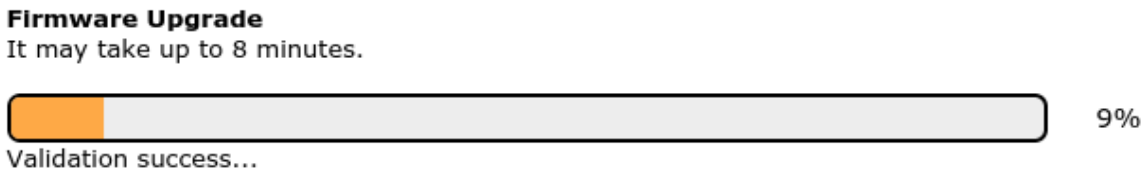
The firmware will now be applied to the router*. The amount of time it takes for the firmware to upgrade will also depend on the router that's being upgraded.

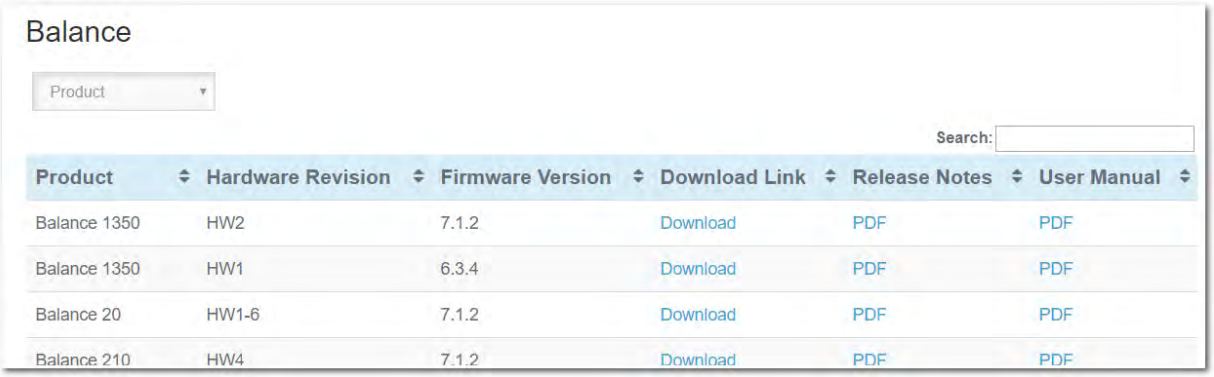



**Upgrading the firmware will cause the router to reboot.*

### Web admin interface : install updates manually

In some cases, a special build may be provided via a ticket or it may be found in the forum. Upgrading to the special build can be done using this method, or using IC2 if you are using that to manage your firmware upgrades. A manual upgrade using the GA firmware posted on the site may also be recommended or required for a couple of reasons.

All of the Peplink/Pepwave GA firmware can be found here Navigate to the relevant product line (ie. Balance, Max, FusionHub, SOHO, etc). Some product lines may have a dropdown that lists all of the products in that product line. Here is a screenshot from the Balance line.

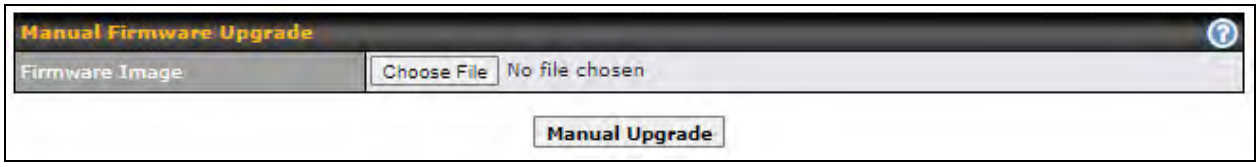



If the device has more than one firmware version the current hardware revision will be required to know what firmware to download.

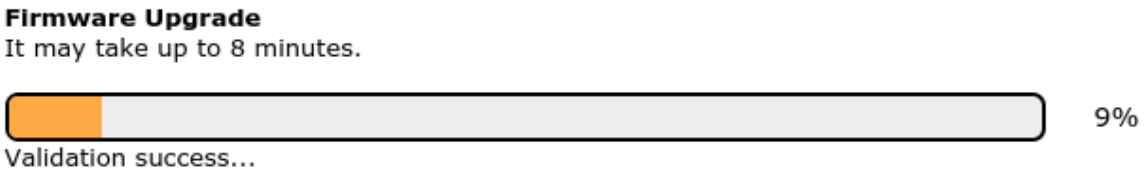
Navigate to System > Firmware and click the Choose File button under the Manual Firmware Upgrade section. Navigate to the location that the firmware was downloaded to select the ".img" file and click the Open button.

Click on the Manual Upgrade button to start the upgrade process.




A prompt will be displayed advising to download the Current Active Configuration. Please click on the underlined download text. After downloading the current config click the Ok button to start the upgrade process. The firmware will now be applied to the router*. The amount of time it takes for the firmware to upgrade will depend on the router that's being upgraded.



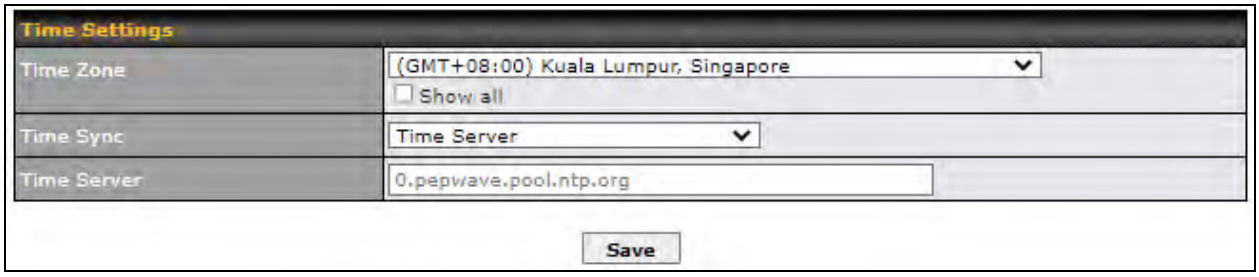

**Upgrading the firmware will cause the router to reboot.*

### The InControl method

Described in this knowledgebase article on our forum.

## 27.3 Time

**Time Settings** enables the system clock of the Pepwave router to be synchronized with a specified time server. Time settings are located at **System > Time**.



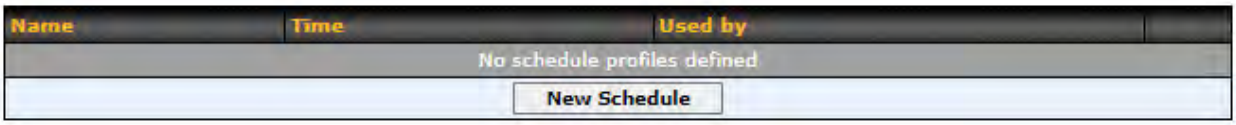

| Time Settings | |
|---|---|
| **Time Zone** | This specifies the time zone (along with the corresponding Daylight Savings Time scheme). The **Time Zone** value affects the time stamps in the Pepwave router's event log and e-mail notifications. Check **Show all** to show all time zone options. |

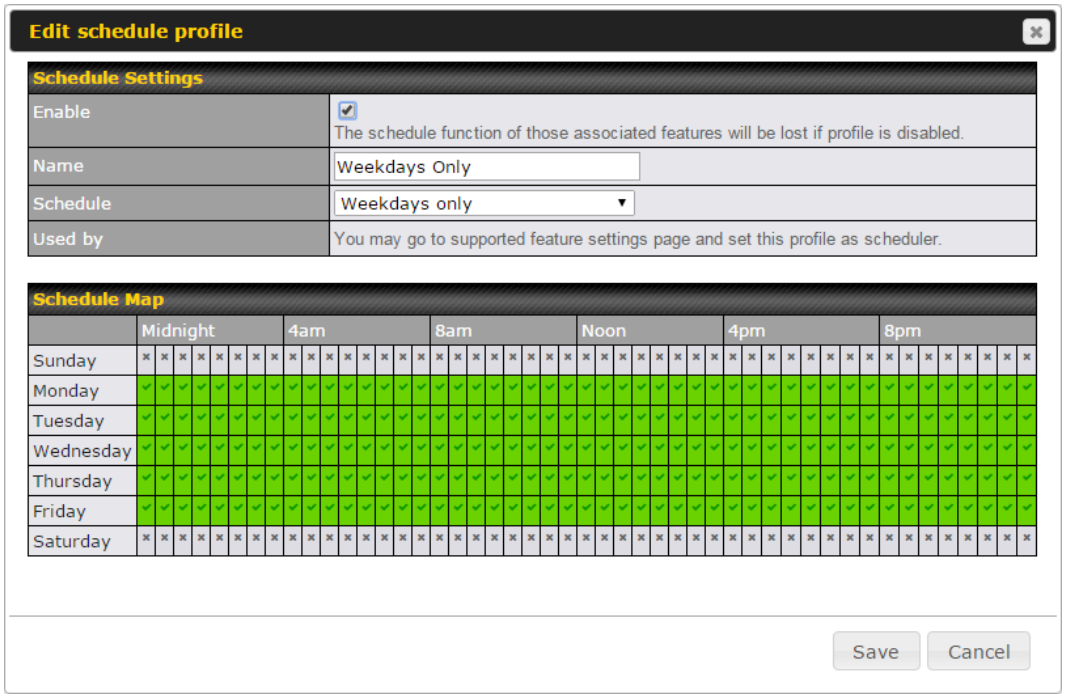
| | |
|---|---|
| **Time Sync** | This field allows to select your time sync mode, the available options are:<br>• Time Server<br>• GPS<br>• GPS with Time Server as fallback |
| **Time Server** | This setting specifies the NTP network time server to be utilized by the Pepwave router. |

## 27.4 Schedule

Enable and disable different functions (such as WAN connections, outbound policy, and firewalls at different times, based on a user-scheduled configuration profile. The settings for this are located at **System > Schedule**




Enable scheduling, and then click on your schedule name or on the **New Schedule** button to begin.

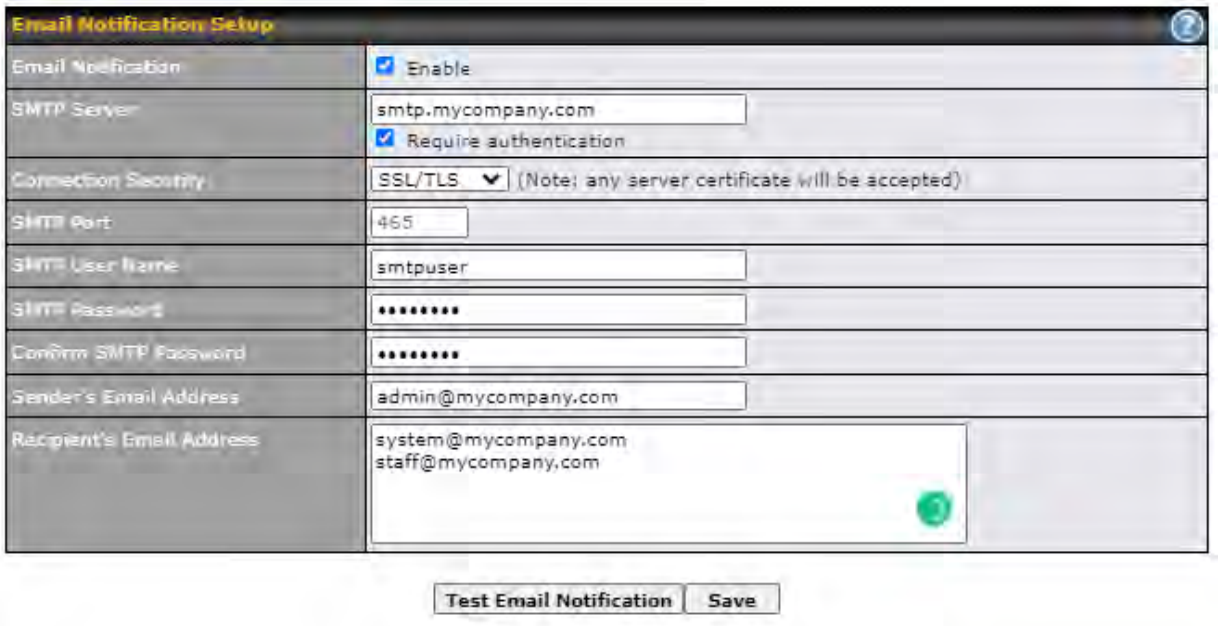


| Edit Schedule Profile | |
|---|---|
| **Enabling** | Click this checkbox to enable this schedule profile. Note that if this is disabled, then any associated features will also have their scheduling disabled. |
| **Name** | Enter your desired name for this particular schedule profile. |
| **Schedule** | Click the drop-down menu to choose pre-defined schedules as your starting point. Please note that upon selection, previous changes on the schedule map will be deleted. |
| **Schedule Map** | Click on the desired times to enable features at that time period. You can hold your mouse for faster entry. |

## 27.5 Email Notification

Email notification functionality provides a system administrator with up-to-date information on network status. The settings for configuring email notifications are found at **System>Email Notification**.

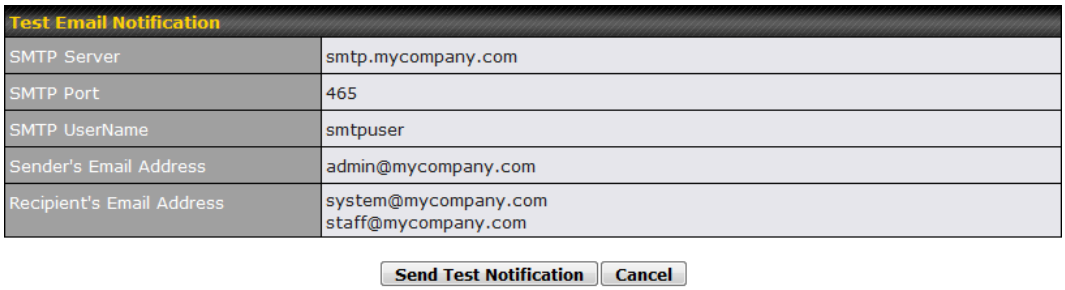



| Email Notification Settings | |
|---|---|
| **Email Notification** | This setting specifies whether or not to enable email notification. If **Enable** is checked, the Pepwave router will send email messages to system administrators when the WAN status changes or when new firmware is available. If **Enable** is not checked, email notification is disabled and the Pepwave router will not send email messages. |

| | |
|---|---|
| **SMTP Server** | This setting specifies the SMTP server to be used for sending email. If the server requires authentication, check **Require authentication**. |
| **Connection Security** | This setting specifies via a drop-down menu one of the following valid Connection Security:<br>• None<br>• STARTTLS<br>• SSL/TLS |
| **SMTP Port** | This field is for specifying the SMTP port number. By default, this is set to **25**. If Connection Security is selected "**STARTTLS**", the default port number will be set to **587**. If Connection Security is selected "**SSL/TLS**", the default port number will be set to **465**.<br>You may customize the port number by editing this field. |
| **SMTP User Name / Password** | This setting specifies the SMTP username and password while sending email. These options are shown only if **Require authentication** is checked in the **SMTP Server** setting. |
| **Confirm SMTP Password** | This field allows you to verify and confirm the new administrator password. |
| **Sender's Email Address** | This setting specifies the email address the Pepwave router will use to send reports. |
| **Recipient's Email Address** | This setting specifies the email address(es) to which the Pepwave router will send email notifications. For multiple recipients, separate each email addresses using the enter key. |

After you have finished setting up email notifications, you can click the **Test Email Notification** button to test the settings before saving. After **Test Email Notification** is clicked, you will see this screen to confirm the settings:




Click **Send Test Notification** to confirm. In a few seconds, you will see a message with detailed test results.

**Test email sent.**
**(NOTE: Settings are not saved. To confirm the update, click 'Save' button.)**

| Email Notification Setup | |
|---|---|
| Email Notification | ☑ Enable |
| SMTP Server | [redacted]<br>☑ Require authentication |
| Connection Security | SSL/TLS (Note: any server certificate will be accepted) |
| SMTP Port | 465 |
| SMTP User Name | [redacted] |
| SMTP Password | •••••••••••••••• |
| Confirm SMTP Password | •••••••••••••••• |
| Sender's Email Address | [redacted] |
| Recipient's Email Address | [redacted] |

Test Email Notification | Save

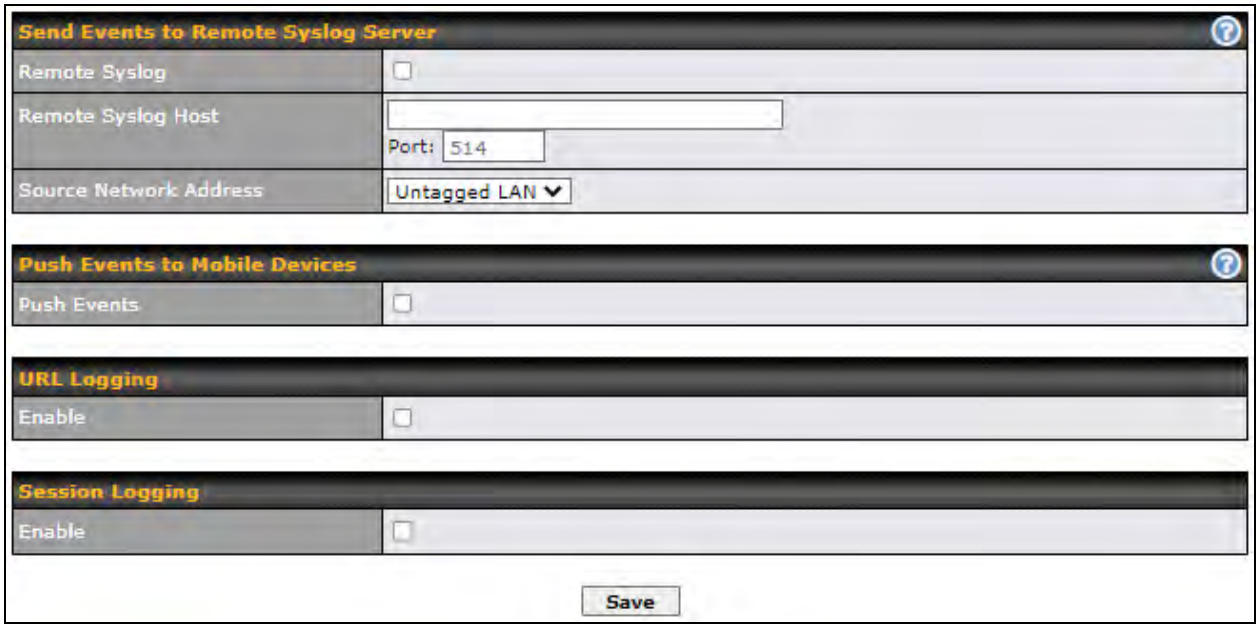
**Test Result**

```
[INFO] Try email through auto detected connection
[INFO] SMTP through SSL connected
[<-] 220 smtp.gmail.com ESMTP h11sm3907691pjg.46 - gsmtp
[->] EHLO balance.peplink.com
[<-] 250-smtp.gmail.com at your service, [14.192.209.255]
[<-] 250-SIZE 35882577
[<-] 250-8BITMIME
[<-] 250-AUTH LOGIN PLAIN XOAUTH2 PLAIN-CLIENTTOKEN OAUTHBEARER XOAUTH
[<-] 250-ENHANCEDSTATUSCODES
[<-] 250-PIPELINING
[<-] 250-CHUNKING
[<-] 250 SMTPUTF8
[->] AUTH PLAIN AGdwc2dhbjk0QGdtYWlsLmNvbQBwdnJ6bWF6cGhtYXJpanpp
```

## 27.6 Event Log

Event log functionality enables event logging at a specified remote syslog server. The settings for configuring the remote system log can be found at **System > Event Log**.



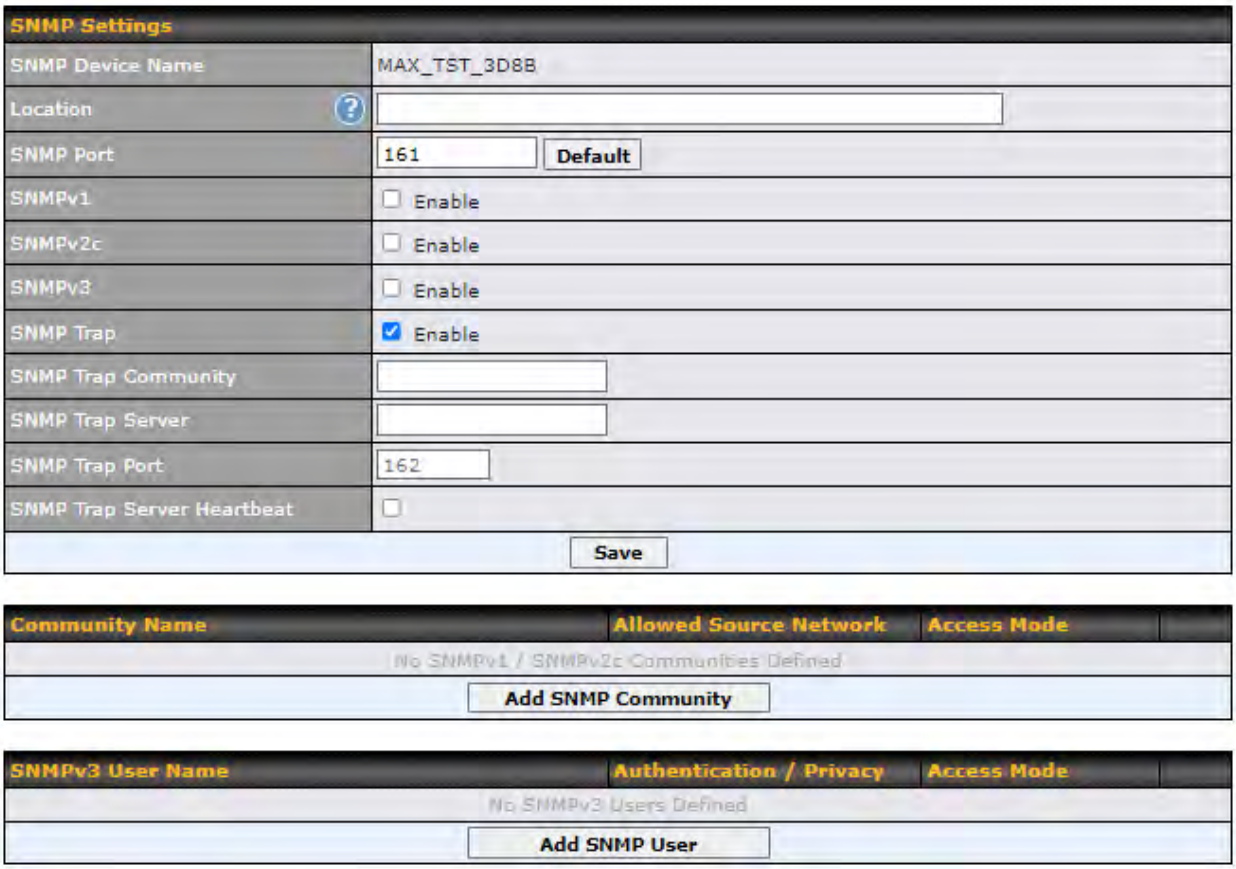

| Event Log Settings | |
|---|---|
| **Remote Syslog** | This setting specifies whether or not to log events at the specified remote syslog server. |
| **Remote Syslog Host** | This setting specifies the IP address or hostname of the remote syslog server. |
| **Source Network Address** | Via drop-down list, you may choose the LAN interface for Event Log, URL Logging, Sessions Logging and RADIUS. |
| **Push Events** | The Pepwave router can also send push notifications to mobile devices that have our Mobile Router Utility installed. Check the box to activate this feature. |
| **URL Logging** | This setting is to enable event logging at the specified log server. |
| **URL Logging Host** | This setting specifies the IP address or hostname of the URL log server. |

| | |
|---|---|
| **Session Logging** | This setting is to enable event logging at the specified log server. |
| **Session Logging Host** | This setting specifies the IP address or hostname of the Session log server. |
| peplink PEPWAVE | For more information on the Router Utility, go to: www.peplink.com/products/router-utility |

## 27.7 SNMP

SNMP or simple network management protocol is an open standard that can be used to collect information about the Pepwave router. SNMP configuration is located at **System > SNMP**.

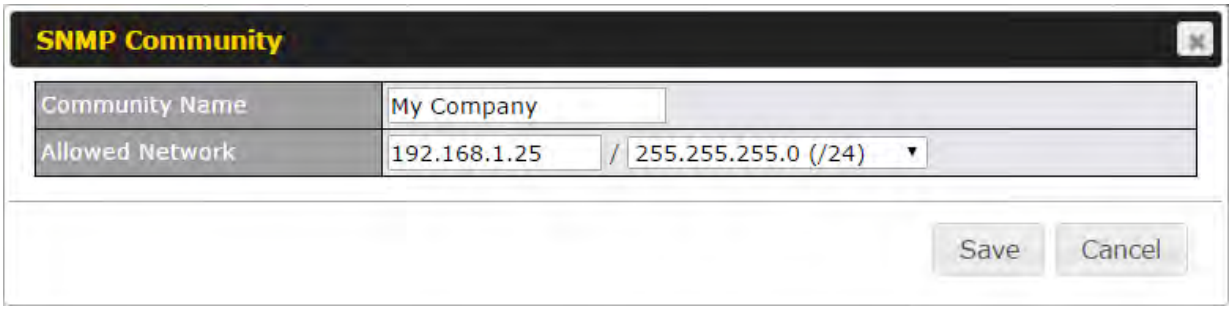



| SNMP Settings | |
|---|---|
| **SNMP Device** | This field shows the router name defined at **System > Admin Security**. |

| Name | |
|---|---|
| **SNMP Port** | This option specifies the port which SNMP will use. The default port is **161**. |
| **SNMPv1** | This option allows you to enable SNMP version 1. |
| **SNMPv2** | This option allows you to enable SNMP version 2. |
| **SNMPv3** | This option allows you to enable SNMP version 3. |
| **SNMP Trap** | This option allows you to enable SNMP Trap. If enabled, the following entry fields will appear. |
| **SNMP Trap Community** | This setting specifies the SNMP Trap community name. |
| **SNMP Trap Server** | Enter the IP address of the SNMP Trap server. |
| **SNMP Trap Port** | This option specifies the port which the SNMP Trap server will use. The default port is **162**. |
| **SNMP Trap Server Heartbeat** | This option allows you to enable and configure the heartbeat interval for the SNMP Trap server. |

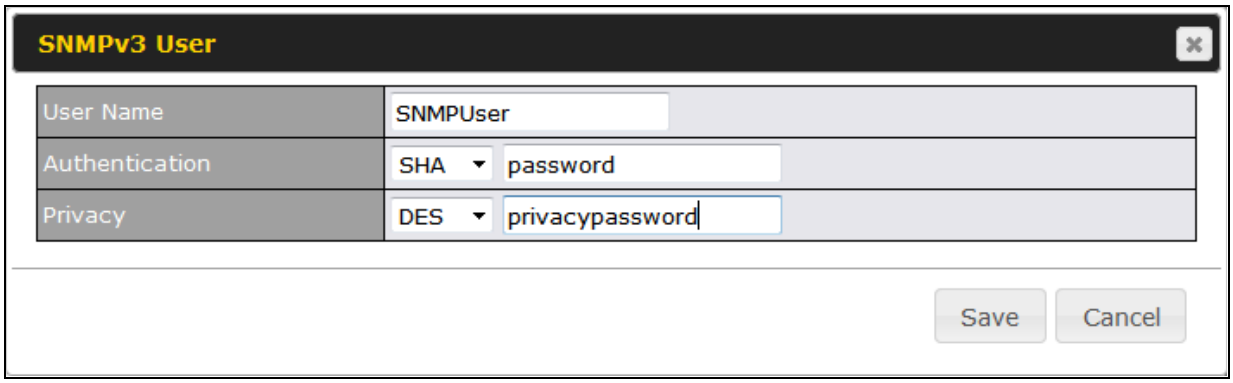
To add a community for either SNMPv1 or SNMPv2, click the **Add SNMP Community** button in the **Community Name** table, upon which the following screen is displayed:




| SNMP Community Settings | |
|---|---|
| **Community Name** | This setting specifies the SNMP community name. |
| **Allowed Source Subnet Address** | This setting specifies a subnet from which access to the SNMP server is allowed. Enter subnet address here (e.g., *192.168.1.0*) and select the appropriate subnet mask. |

To define a user name for SNMPv3, click **Add SNMP User** in the **SNMPv3 User Name** table, upon which the following screen is displayed:




| SNMPv3 User Settings | |
|---|---|
| **User Name** | This setting specifies a user name to be used in SNMPv3. |
| **Authentication Protocol** | This setting specifies via a drop-down menu one of the following valid authentication protocols:<br>• NONE<br>• MD5<br>• SHA<br>When MD5 or SHA is selected, an entry field will appear for the password. |
| **Privacy Protocol** | This setting specifies via a drop-down menu one of the following valid privacy protocols:<br>• NONE<br>• DES<br>When DES is selected, an entry field will appear for the password. |

## 27.8 SMS Control

SMS Control allows the user to control the device using SMS even if the modem does not have a data connection. The settings for configuring the SMS Control can be found at **System > SMS Control**.

Supported Models

- **Balance/MAX**: *-LTE-E, *-LTEA-W, *-LTEA-P, *-LTE-MX
- **EPX**: *-LW*, *-LP*

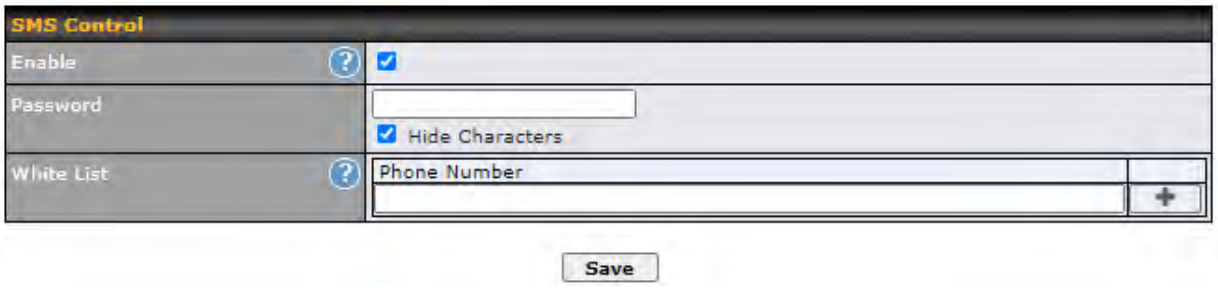
 


When this box is checked, the device will be allowed to take actions according to received commands via SMS.

Make sure your mobile plan supports SMS, and note that some plans may incur additional charges for this.

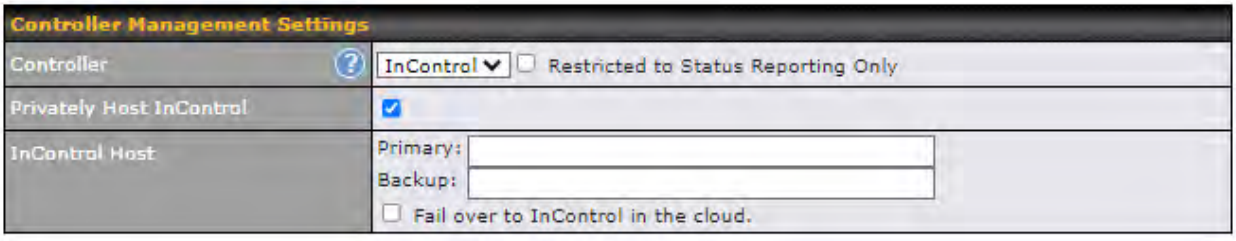
SMS Control can reboot devices and configure cellular settings over signalling channels, even if the modem does not have a data connection.

For details of supported SMS command sets, please refer to our knowledge base.




| SMS Control Settings | |
|---|---|
| **Enable** | Click the checkbox to enable the SMS Control. |
| **Password** | This setting sets the password for authentication - maximum of 32 characters, which cannot include semicolon (;). |
| **White List** | Optionally, you can add phone number(s) to the whitelist. Only matching phone numbers are allowed to issue SMS commands. Phone numbers must be in the E.164 International Phone Numbers format. |

## 27.9 InControl




InControl is a cloud-based service which allows you to manage all of your Peplink and Pepwave devices with one unified system. With it, you can generate reports, gather statistics, and

configure your devices automatically. All of this is now possible with InControl.

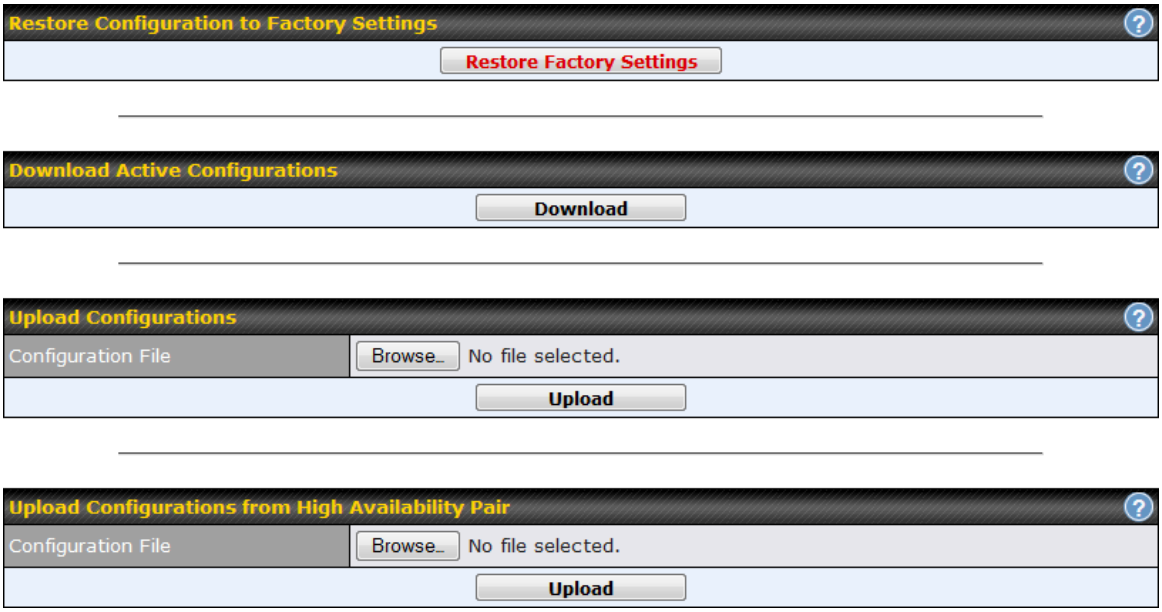
When this check box is checked, the device's status information will be sent to the Peplink InControl system. This device's usage data and configuration will be sent to the system if you enable the features in the system.

Alternatively, you can also privately host InControl. Simply check the “Privately Host InControl” box and enter the IP Address of your InControl Host. If you have multiple hosts, you may enter the primary and backup IP addresses for the InControl Host and tick the “Fail over to InControl in the cloud” box. The device will connect to either the primary InControl Host or the secondary/backup ICA/IC2.

You can sign up for an InControl account at https://incontrol2.peplink.com/. You can register your devices under the account, monitor their status, see their usage reports, and receive offline notifications.

## 27.10 Configuration

Backing up Pepwave router settings immediately after successful completion of initial setup is strongly recommended. The functionality to download and upload Pepwave router settings is found at **System > Configuration**. Note that available options vary by model.




| Configuration | |
|---|---|
| **Restore Configuration to** | The **Restore Factory Settings** button is to reset the configuration to factory default settings. After clicking the button, you will need to click the **Apply** |

| | |
|---|---|
| **Factory Settings** | **Changes** button on the top right corner to make the settings effective. |
| **Download Active Configurations** | Click **Download** to backup the current active settings. |
| **Upload Configurations** | To restore or change settings based on a configuration file, click **Choose File** to locate the configuration file on the local computer, and then click **Upload**. The new settings can then be applied by clicking the **Apply Changes** button on the page header, or you can cancel the procedure by pressing **discard** on the main page of the web admin interface. |
| **Upload Configurations from High Availability Pair** | In a high availability (HA) configuration, a Pepwave router can quickly load the configuration of its HA counterpart. To do so, click the **Upload** button. After loading the settings, configure the LAN IP address of the Pepwave router so that it is different from the HA counterpart. |

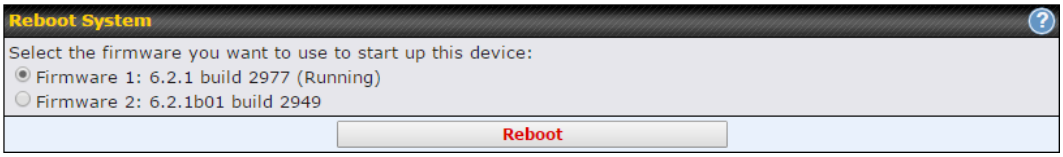
## 27.11 Feature Add-ons

Some Pepwave routers have features that can be activated upon purchase. Once the purchase is complete, you will receive an activation key. Enter the key in the **Activation Key** field, click **Activate**, and then click **Apply Changes**.


## 27.12 Reboot

This page provides a reboot button for restarting the system. For maximum reliability, the Pepwave router can equip with two copies of firmware. Each copy can be a different version. You can select the firmware version you would like to reboot the device with. The firmware marked with **(Running)** is the current system boot up firmware.

**Please note that a firmware upgrade will always replace the inactive firmware partition.**

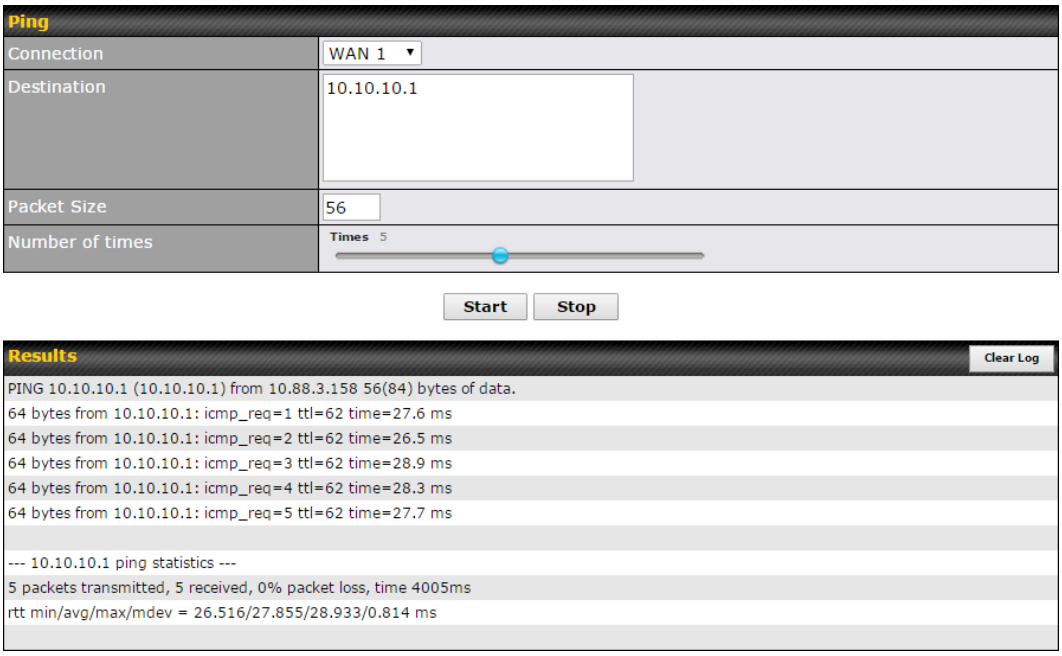


# 28 Tools

## 28.1 Ping

The ping test tool sends pings through a specific Ethernet interface or a SpeedFusion™ VPN connection. You can specify the number of pings in the field **Number of times**, to a maximum number of 10 times. **Packet Size** can be set to a maximum of 1472 bytes. The ping utility is located at **System > Tools > Ping,** illustrated below:



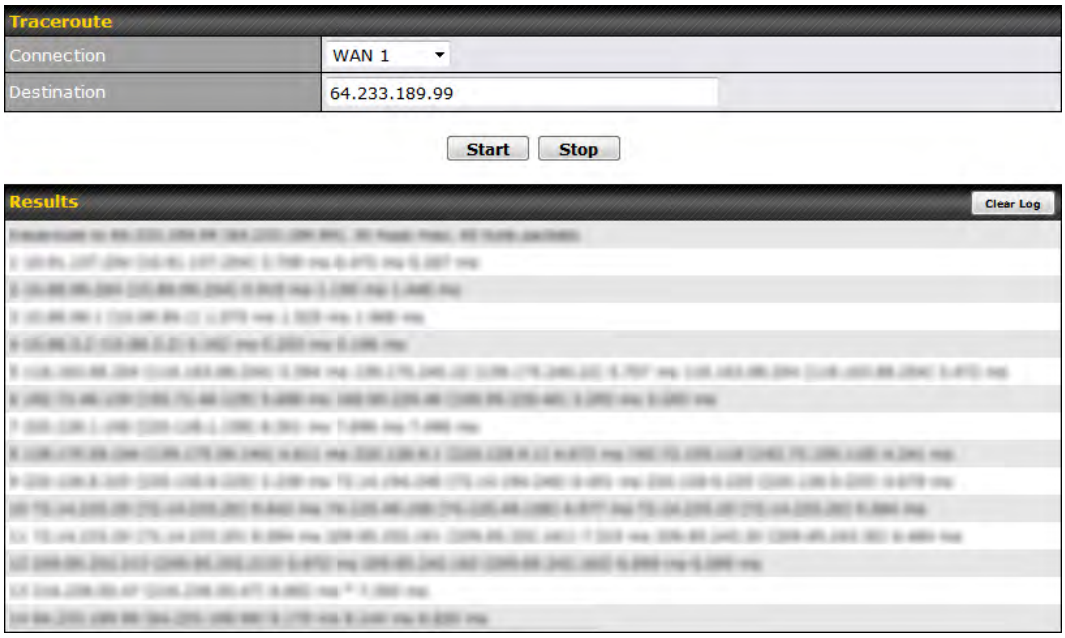

**Tip**

A system administrator can use the ping utility to manually check the connectivity of a particular LAN/WAN connection.

## 28.2 Traceroute Test

The traceroute test tool traces the routing path to the destination through a particular Ethernet interface or a SpeedFusion™ connection. The traceroute test utility is located at **System > Tools > Traceroute**.

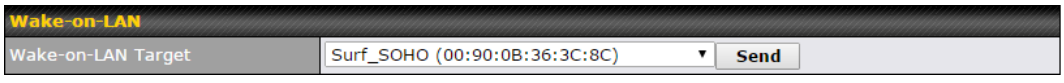



**Tip**

A system administrator can use the traceroute utility to analyze the connection path of a LAN/WAN connection.

## 28.3 Wake-on-LAN

Pepwane routers can send special “magic packets” to any client specified from the Web UI. To access this feature, navigate to **System > Tools > Wake-on-LAN**



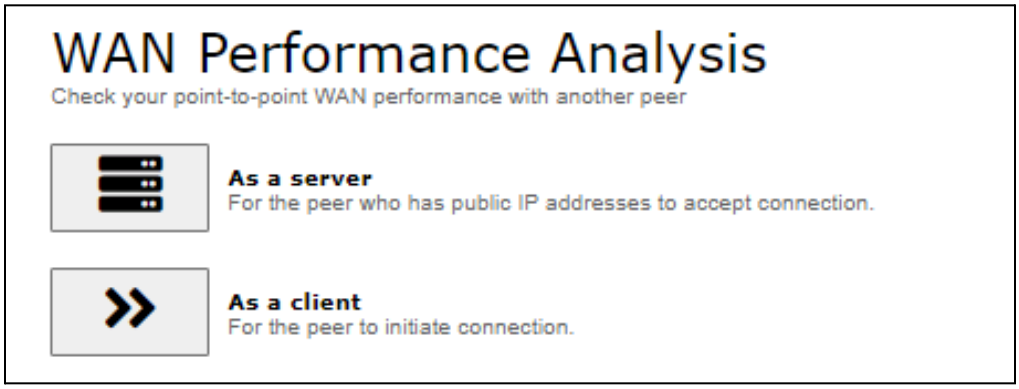

Select a client from the drop-down list and click **Send** to send a “magic packet”

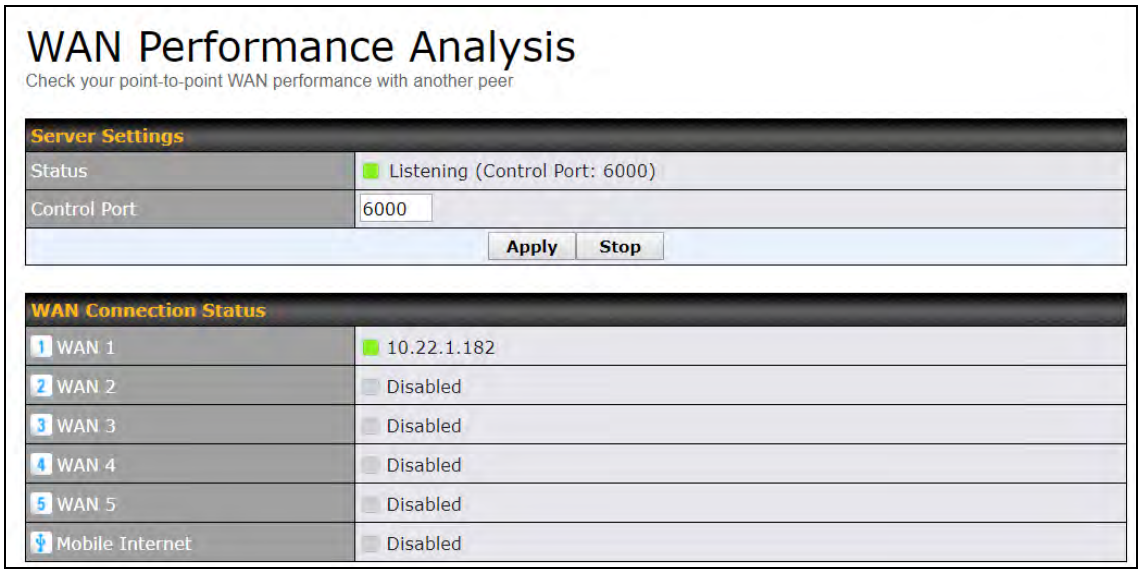
## 28.4 WAN Analysis

The WAN Analysis feature allows you to run a WAN to WAN speed test between 2 Peplink devices .

You can set a device up as a **Server** or a **Client**. One device must be set up as a server to run the speed tests and the server must have a public IP address.

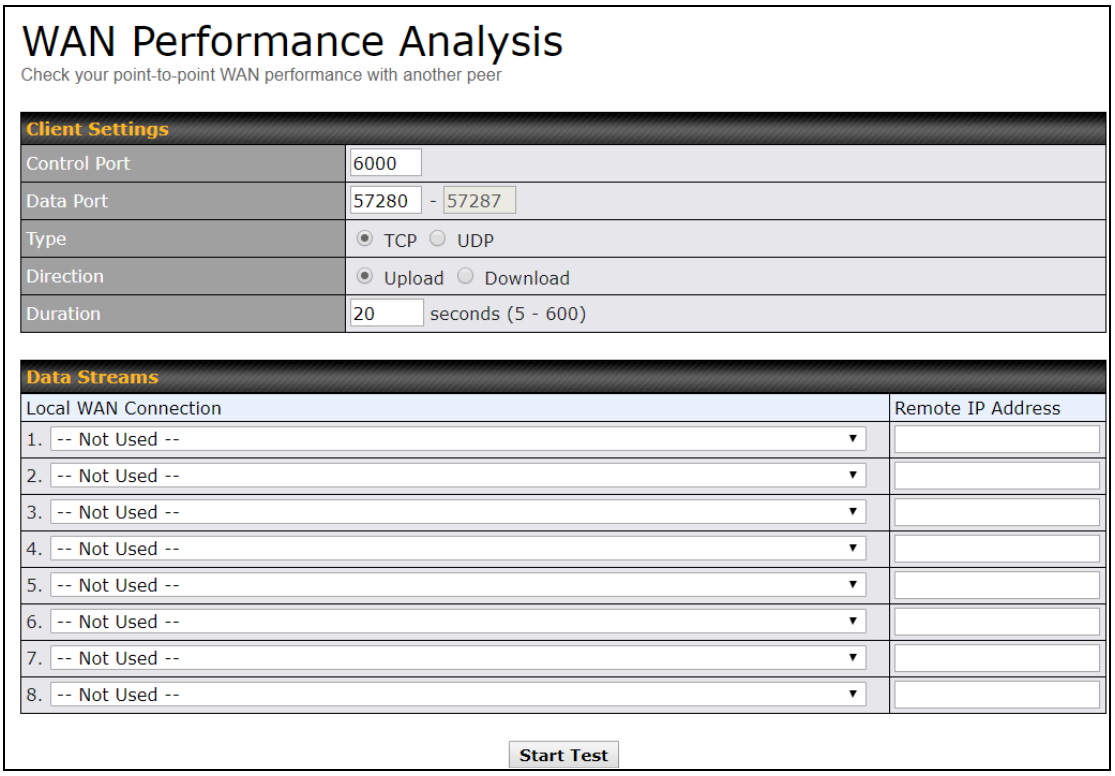



The default port is 6000 and can be changed if required. The IP address of the WAN interface will be shown in the **WAN Connection Status** section.



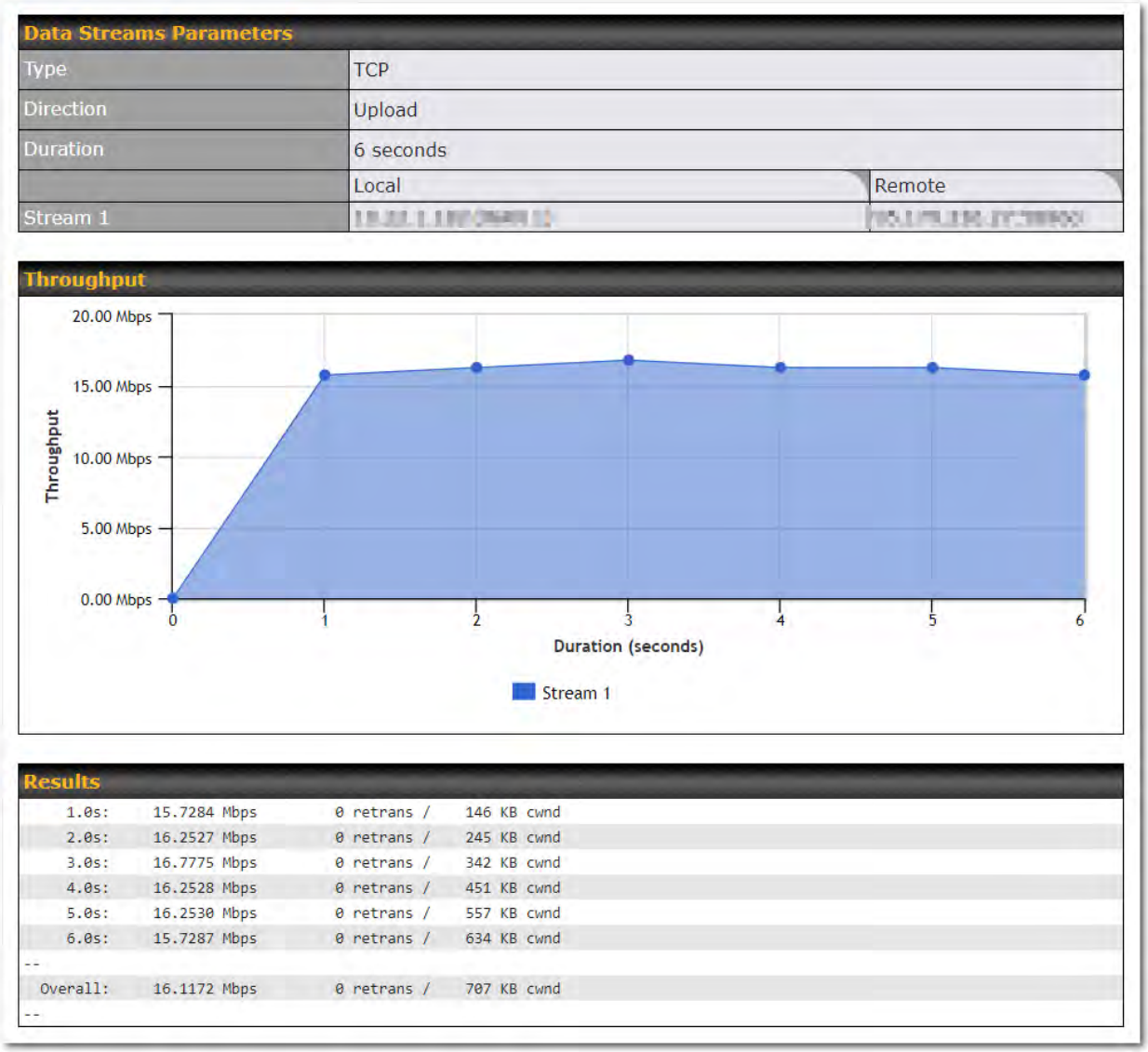

 

The client side has a few more settings that can be changed. Make sure that the **Control Port** matches what's been entered on the server side. Select the WAN(s) that will be used for testing and enter the Servers WAN IP address. Once all of the options have been set, click the **Start Test** button.



The test output will show the **Data Streams Parameters**, the **Throughput** as a graph, and the **Results**.



**Data Streams Parameters**

| | | |
|---|---|---|
| Type | TCP | |
| Direction | Upload | |
| Duration | 6 seconds | |
| | Local | Remote |
| Stream 1 | [redacted] | [redacted] |

**Throughput**



**Results**

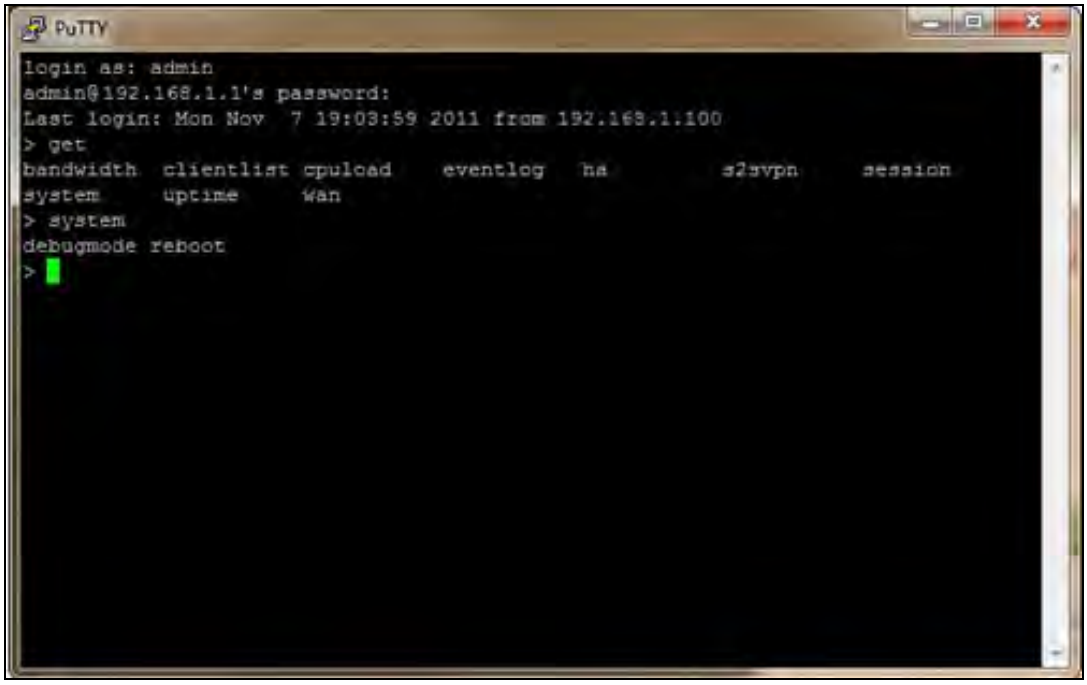
```
    1.0s:     15.7284 Mbps        0 retrans /    146 KB cwnd
    2.0s:     16.2527 Mbps        0 retrans /    245 KB cwnd
    3.0s:     16.7775 Mbps        0 retrans /    342 KB cwnd
    4.0s:     16.2528 Mbps        0 retrans /    451 KB cwnd
    5.0s:     16.2530 Mbps        0 retrans /    557 KB cwnd
    6.0s:     15.7287 Mbps        0 retrans /    634 KB cwnd
--
  Overall:    16.1172 Mbps        0 retrans /    707 KB cwnd
--
```

The test can be run again once it's complete by clicking the **Start** button or you can click **Close** and change the parameters for the test.

## 28.5 CLI (Command Line Interface Support)

The CLI (command line interface) can be accessed via SSH. This field enables CLI support. The below settings specify which TCP port and which interface(s) should accept remote SSH CLI access. The user name and password used for remote SSH CLI access are the same as those used for web admin access.

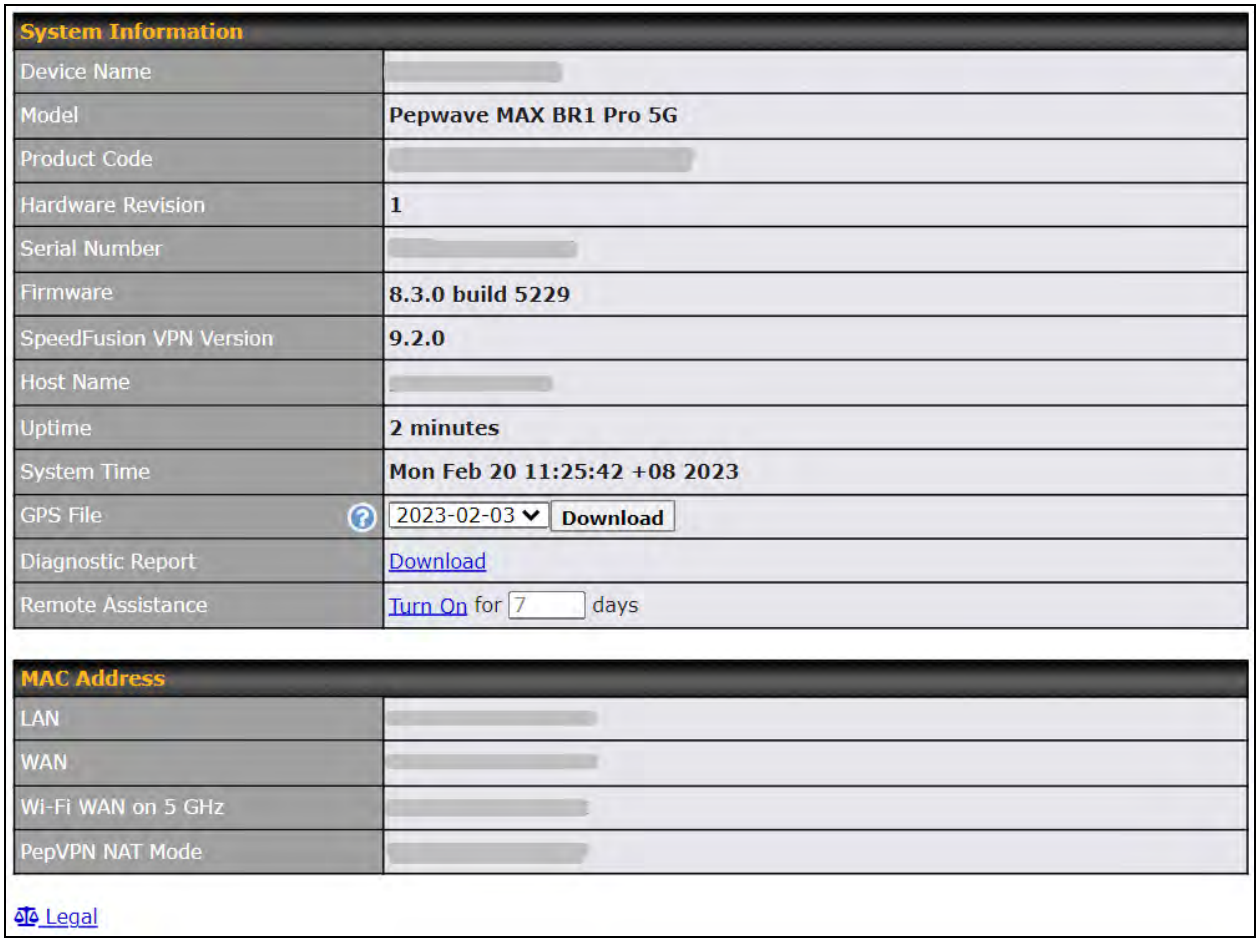


# 29 Status

## 29.1 Device

System information is located at **Status > Device**.




| System Information | |
|---|---|
| **Device Name** | This is the name specified in the **Device Name** field located at **System > Admin Security**. |
| **Model** | This shows the model name and number of this device. |
| **Product Code** | If your model uses a product code, it will appear here. |
| **Hardware Revision** | This shows the hardware version of this device. |

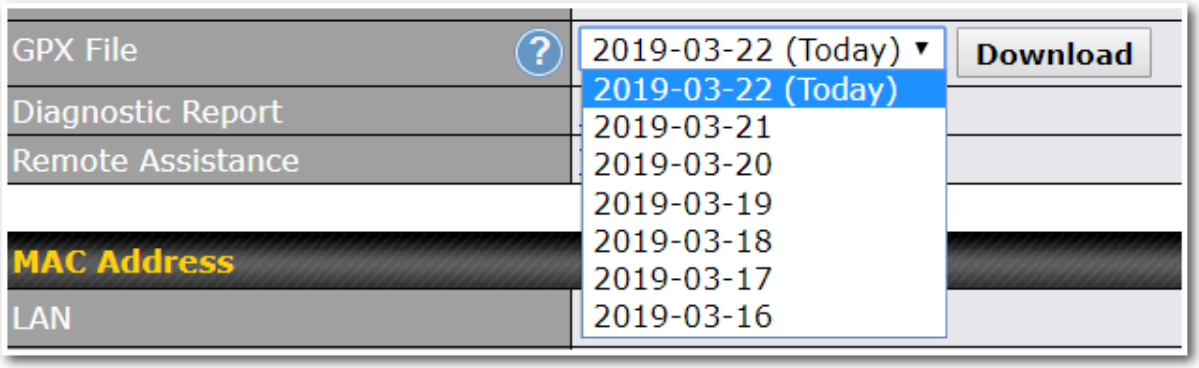
 

| | |
|---|---|
| **Serial Number** | This shows the serial number of this device. |
| **Firmware** | This shows the firmware version this device is currently running. |
| **SpeedFusion VPN Version** | This shows the current SpeedFusion VPN version. |
| **Modem Support Version** | This shows the modem support version. For a list of supported modems, click **Modem Support List**. |
| **InControl Managed Configuration** | InControl Managed Configurations (firmware, VLAN, Captive Portal, etcetera) |
| **Host Name** | The host name assigned to the Pepwave router appears here. |
| **Uptime** | This shows the length of time since the device has been rebooted. |
| **System Time** | This shows the current system time. |
| **OpenVPN Client Profile** | Link to download OpenVpn Client profile when this is enabled in Remote User Access |
| **Diagnostic Report** | The **Download** link is for exporting a diagnostic report file required for system investigation. |
| **Remote Assistance** | This option is to **Turn on** remote assistance with the time duration. |

The second table shows the MAC address of each LAN/WAN interface connected. To view your device's End User License Agreement (EULA), click Legal.

## 29.2 GPS Data



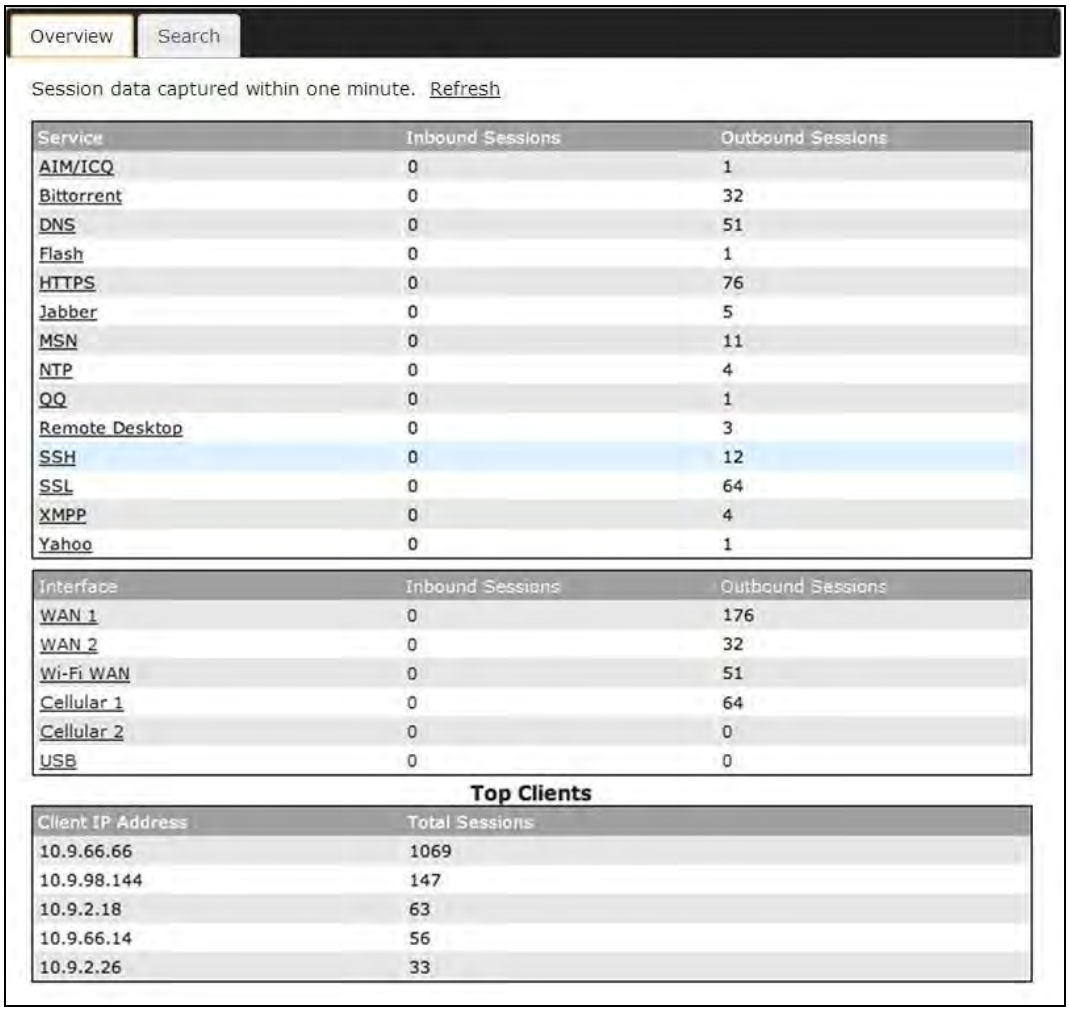

GPS enabled models automatically store up to seven days of GPS location data in GPS eXchange format (GPX). To review this data using third-party applications, click **Status > Device** and then download your GPX file.

The Pepwave GPS enabled devices export real-time location data in NMEA format through the LAN IP address at TCP port 60660. It is accessible from the LAN or over a SpeedFusion connection. To access the data via a virtual serial port, install a virtual serial port driver. Visit http://www.peplink.com/index.php?view=faq&id=294 to download the driver.

## 29.3 Active Sessions

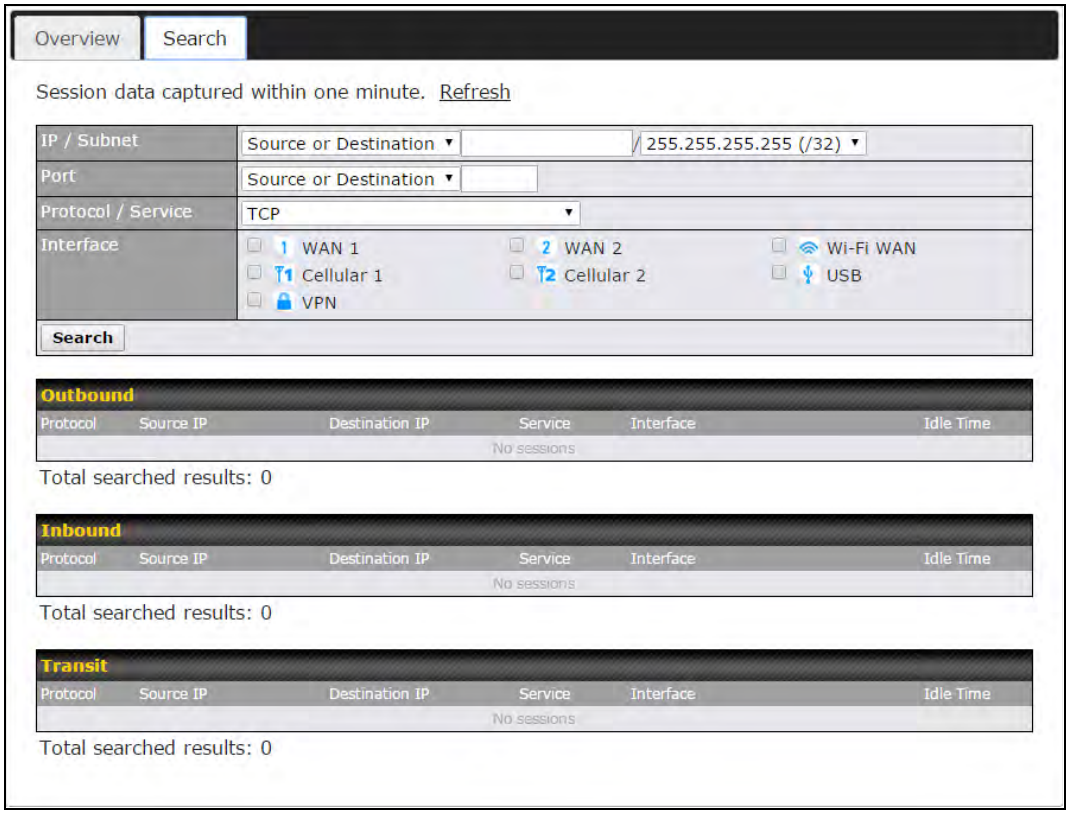
Information on active sessions can be found at **Status > Active Sessions > Overview.**




This screen displays the number of sessions initiated by each application. Click on each service listing for additional information. This screen also indicates the number of sessions initiated by each WAN port. In addition, you can see which clients are initiating the most sessions.

You can also perform a filtered search for specific sessions. You can filter by subnet, port, protocol, and interface. To perform a search, navigate to **Status > Active Sessions > Search**.



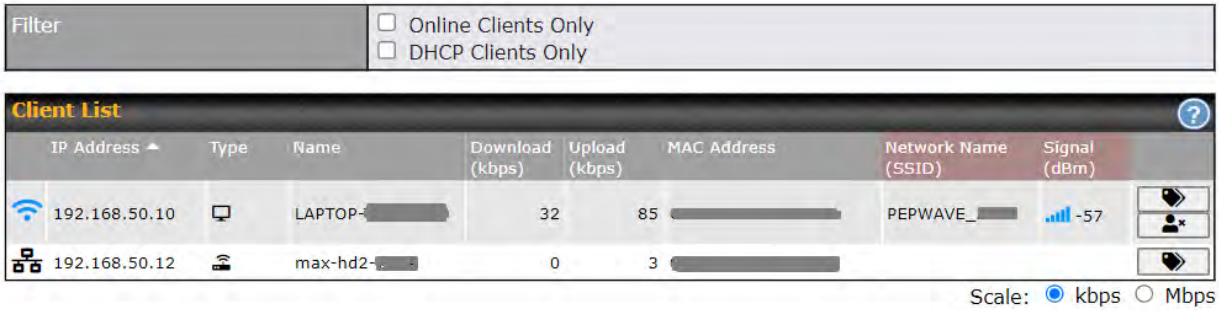

This **Active Sessions** section displays the active inbound/outbound sessions of each WAN connection on the Pepwave router. A filter is available to sort active session information. Enter a keyword in the field or check one of the WAN connection boxes for filtering.

## 29.4 Client List

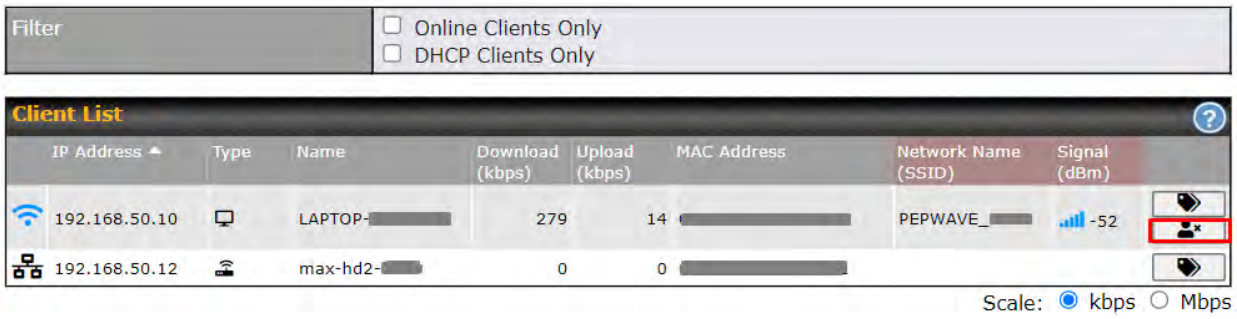
The client list table is located at **Status > Client List**. It lists DHCP and online client IP addresses, names (retrieved from the DHCP reservation table or defined by users), current download and upload rate, and MAC address.

Clients can be imported into the DHCP reservation table by clicking the button on the right. You can update the record after import by going to **Network > LAN**.

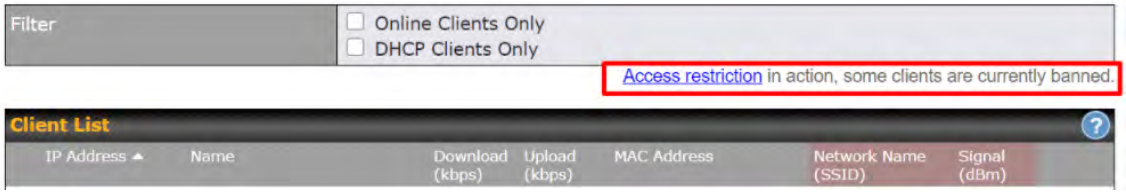



If the PPTP server (see **Section 19.2),** SpeedFusion™ (see **Section 12.1**), or AP controller (see **Section 20**) is enabled, you may see the corresponding connection name listed in the **Name** field.

In the client list table, there is a “Ban Client” feature which is used to disconnect the Wi-Fi and Remote User Access clients by clicking the button on the right.




There is a blocklist on the same page after you banned the Wi-Fi or Remote User Access clients.

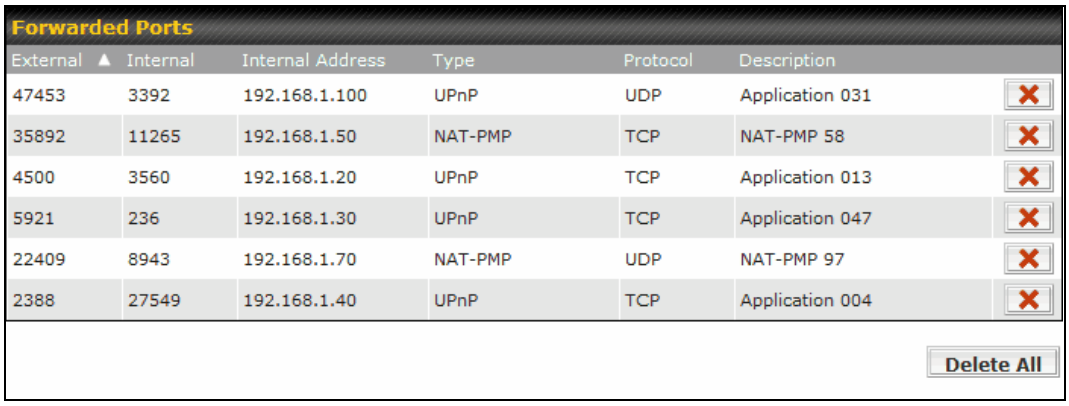


You may also unblock the Wi-Fi or Remote User Access clients when the client devices need to reconnect the network by clicking the button on the right.


## 29.5 UPnP / NAT-PMP

The table that shows the forwarded ports under UPnP and NAT-PMP protocols is located at **Status > UPnP/NAT-PMP**. This section appears only if you have enabled UPnP / NAT-PMP as mentioned in **Section 16.1.1**.




Click to delete a single UPnP / NAT-PMP record in its corresponding row. To delete all records, click **Delete All** on the right-hand side below the table.

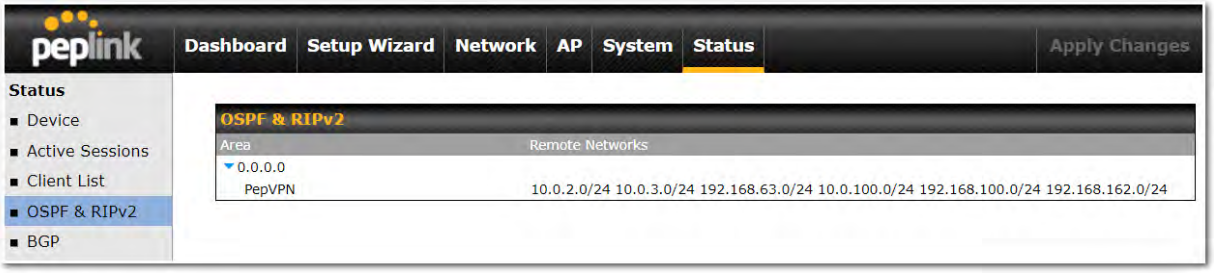
**Important Note**

UPnP / NAT-PMP records will be deleted immediately after clicking the button or **Delete All,** without the need to click **Save** or **Confirm**.

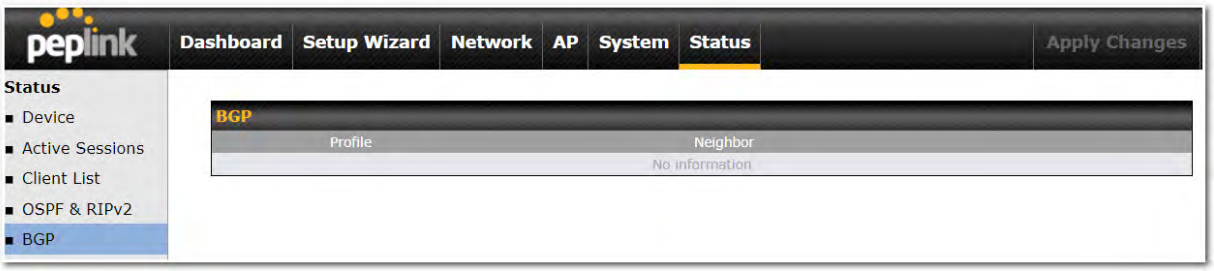
## 29.6 OSPF & RIPv2

The table shows status of OSPF and RIPv2.



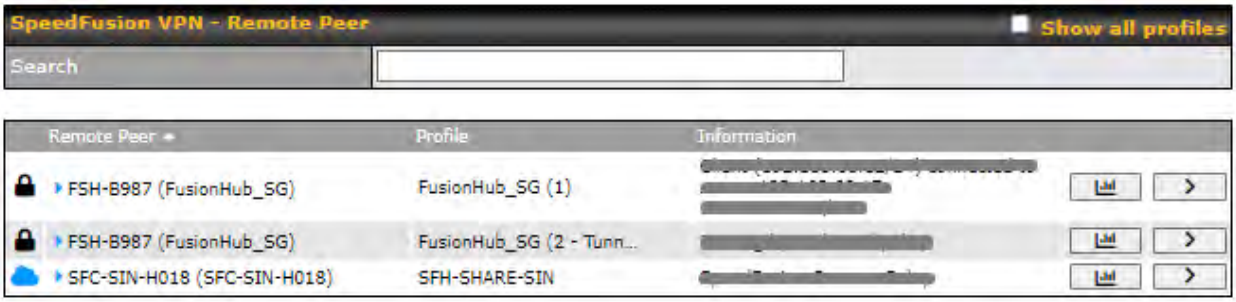

## 29.7 BGP

The table shows status of BGP



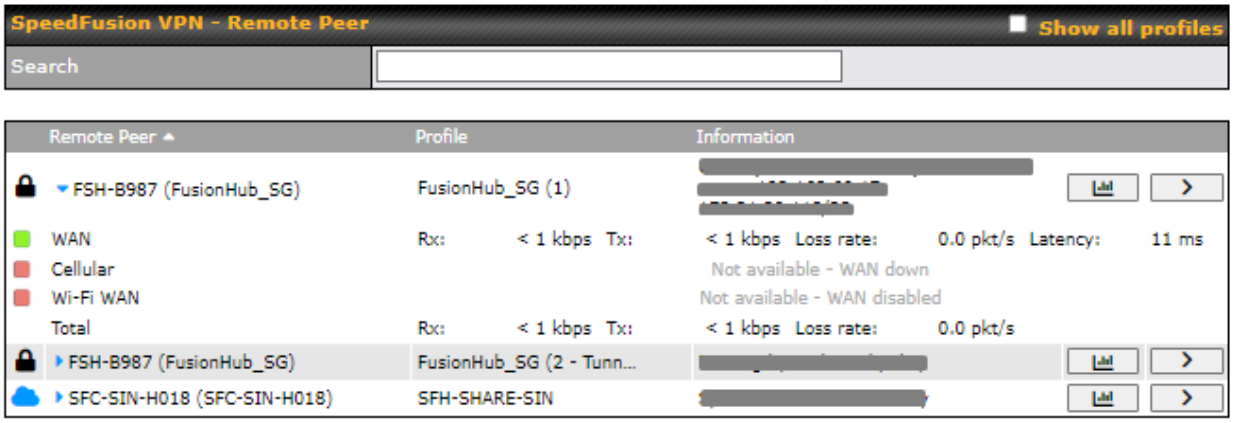

## 29.8 SpeedFusion VPN

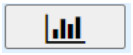
Current SpeedFusion VPN status information is located at **Status > SpeedFusion VPN**. Details about SpeedFusion VPN connection peers appears as below:

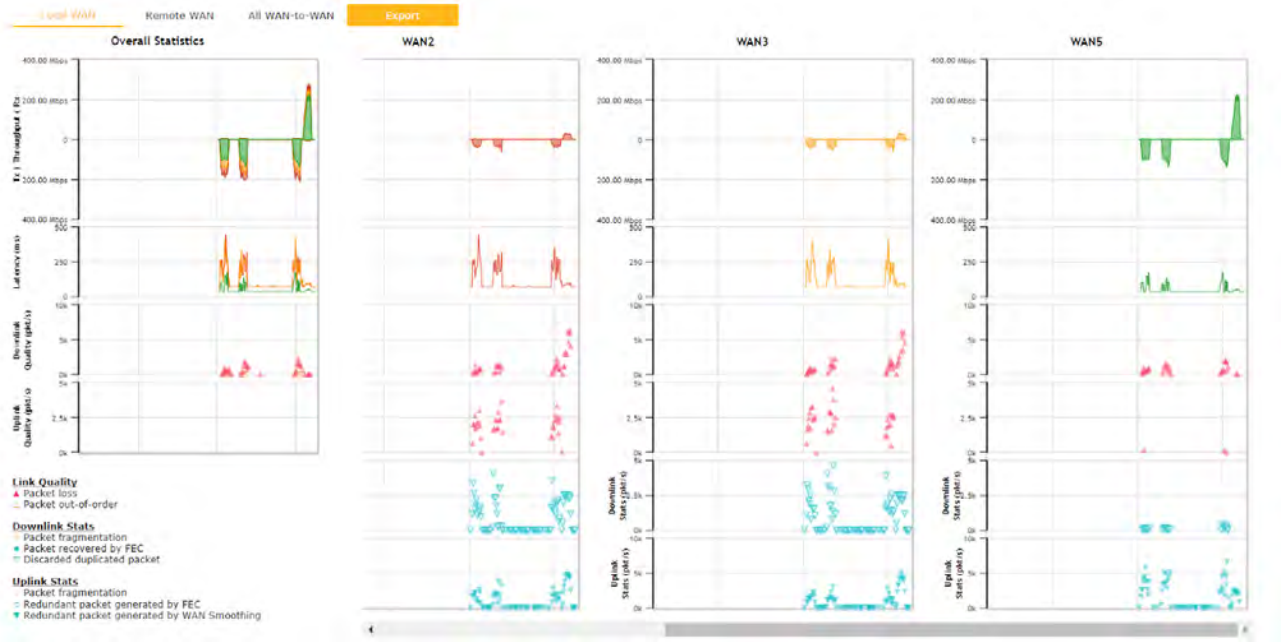


Click on the corresponding peer name to explore the WAN connection(s) status and subnet information of each VPN peer.

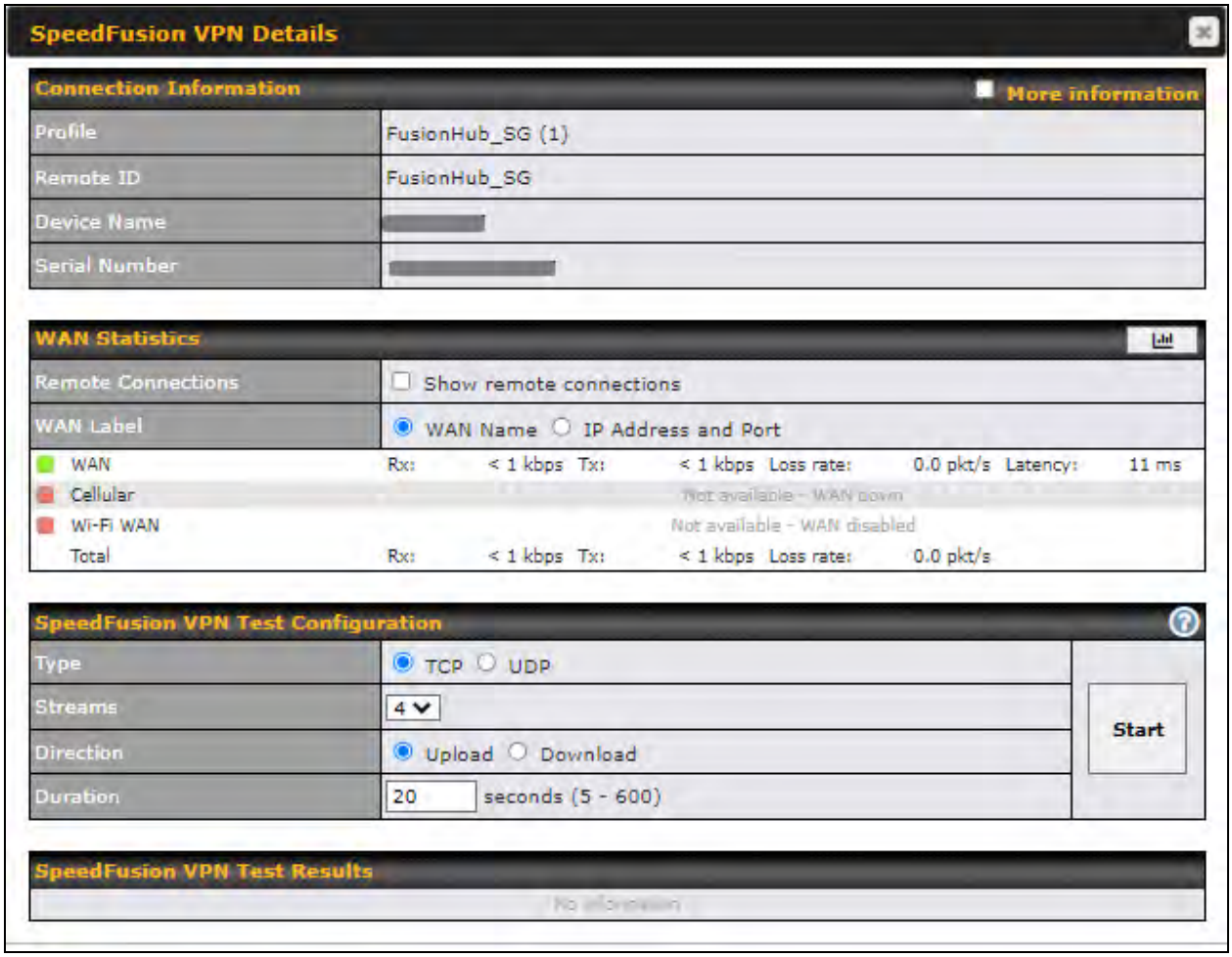



Click the  button for a SpeedFusion chart displaying real-time throughput, latency, and drop-rate information for each WAN connection.



When pressing the button, the following menu will appear:




The **connection information** shows the details of the selected SpeedFusion VPN profile, consisting of the Profile name, **Router ID**, **Router Name** and **Serial Number** of the remote router
Advanced features for the SpeedFusion VPN profile will also be shown when the **More Information** checkbox is selected.

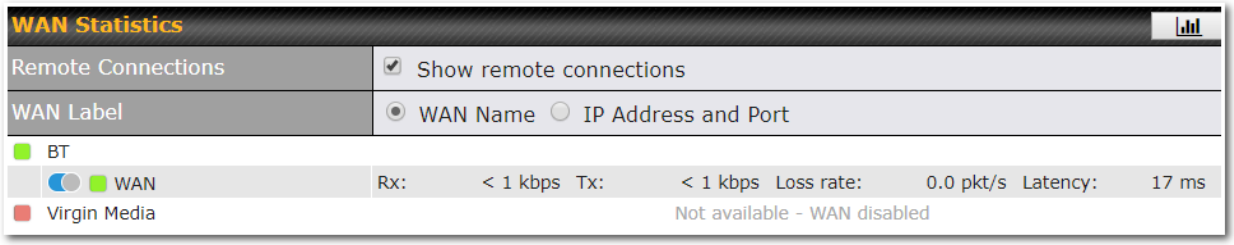
The **WAN statistics** show information about the local and remote WAN connections (when **show Remote connections**) is selected.
The available details are **WAN Name, IP address** and **port** used for the Speedfusion connection. **Rx and Tx rates, Loss rate and Latency**.

Connections can be temporarily disabled by sliding the switch button next to a WAN connection to the left.
The wan-to-wan connection disabled by the switch is temporary and will be re-enabled after 15

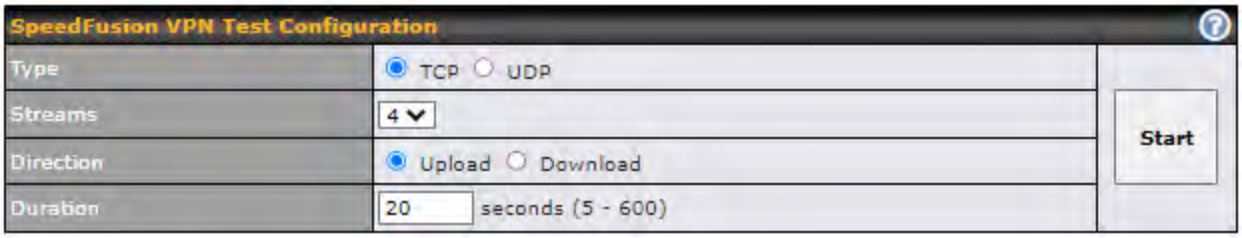
 

minutes without any action.

This can be used when testing the SpeedFusion VPN's speed between two locations to see if there is interference or network congestion between certain WAN connections.




The SpeedFusion VPN test configuration allows us to configure and perform thorough tests. This is usually done after the initial installation of the routers and in case there are problems with aggregation.




Press the Start button to perform throughput test according to the configured options.

If TCP is selected, 4 parallel streams will be generated to get the optimal results by default. This can be customized by selecting a different value of streams.

Using more streams will typically get better results if the latency of the tunnel is high.

**SpeedFusion VPN Test Results**

```
    1.0s:     16.2527 Mbps        0 retrans /    306 KB cwnd
    2.0s:     20.4445 Mbps        0 retrans /    306 KB cwnd
    3.0s:     18.3526 Mbps        0 retrans /    306 KB cwnd
    4.0s:     17.8258 Mbps        0 retrans /    306 KB cwnd
    5.0s:     17.3014 Mbps        0 retrans /    306 KB cwnd
    6.0s:     14.1558 Mbps        0 retrans /    306 KB cwnd
    7.0s:     18.3500 Mbps        0 retrans /    306 KB cwnd
    8.0s:     15.7252 Mbps        0 retrans /    306 KB cwnd
    9.0s:     17.2932 Mbps        0 retrans /    306 KB cwnd
   10.0s:     20.4591 Mbps        0 retrans /    306 KB cwnd
   11.0s:     11.5347 Mbps        0 retrans /    306 KB cwnd
   12.0s:     15.2043 Mbps        0 retrans /    306 KB cwnd
   13.0s:     12.0584 Mbps        0 retrans /    306 KB cwnd
   14.0s:     13.1074 Mbps        0 retrans /    306 KB cwnd
   15.0s:     10.4849 Mbps        0 retrans /    306 KB cwnd
   16.0s:     12.5838 Mbps        0 retrans /    306 KB cwnd
   17.0s:     15.2043 Mbps        0 retrans /    306 KB cwnd
   18.0s:     16.2486 Mbps        0 retrans /    306 KB cwnd
   19.0s:     18.8789 Mbps        0 retrans /    306 KB cwnd
   20.0s:     18.3491 Mbps        0 retrans /    306 KB cwnd
--
 Stream 1:      3.9913 Mbps        0 retrans /     78 KB cwnd
 Stream 2:      3.9728 Mbps        0 retrans /     74 KB cwnd
 Stream 3:      3.9879 Mbps        0 retrans /     75 KB cwnd
 Stream 4:      4.0044 Mbps        0 retrans /     79 KB cwnd

  Overall:     15.9564 Mbps        0 retrans /    306 KB cwnd
--
TEST DONE
```

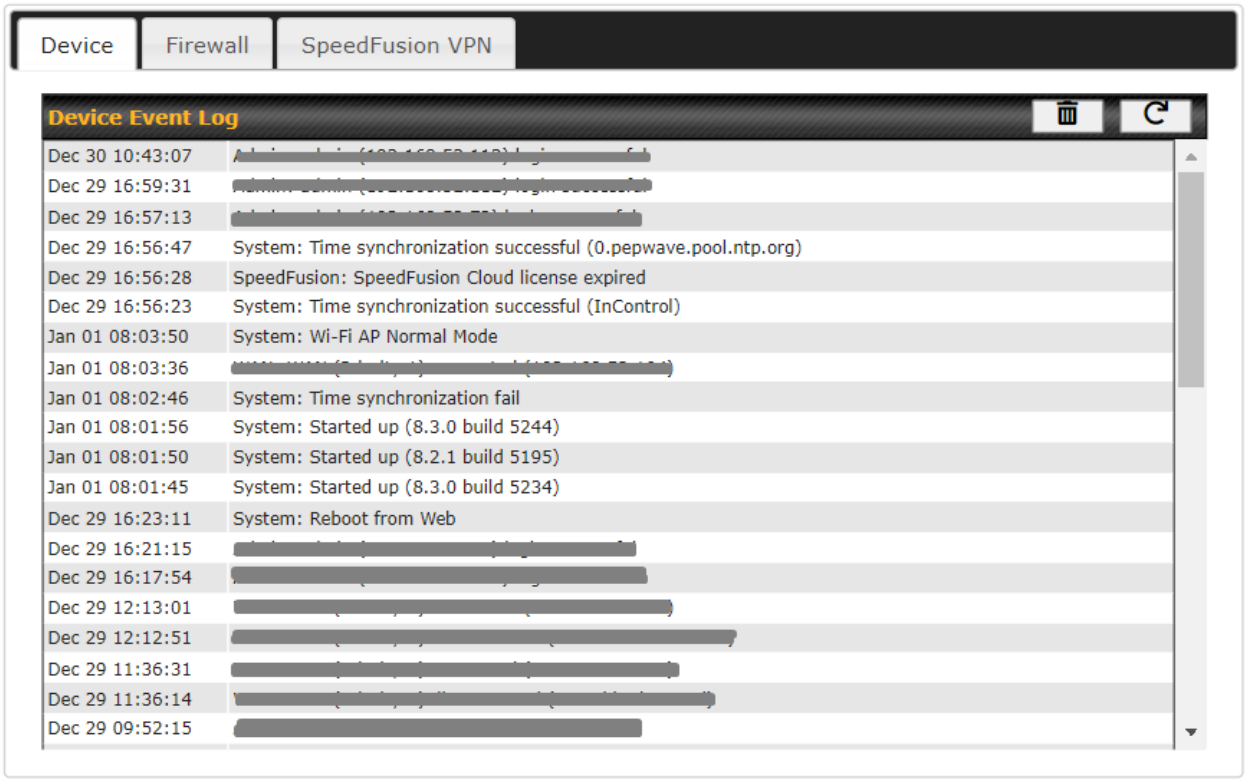
Peplink also published a whitepaper about Speedfusion which can be downloaded from the following url:
http://download.peplink.com/resources/whitepaper-speedfusion-and-best-practices-2019.pdf

## 29.9 Event Log

Event log information is located at **Status > Event Log**.

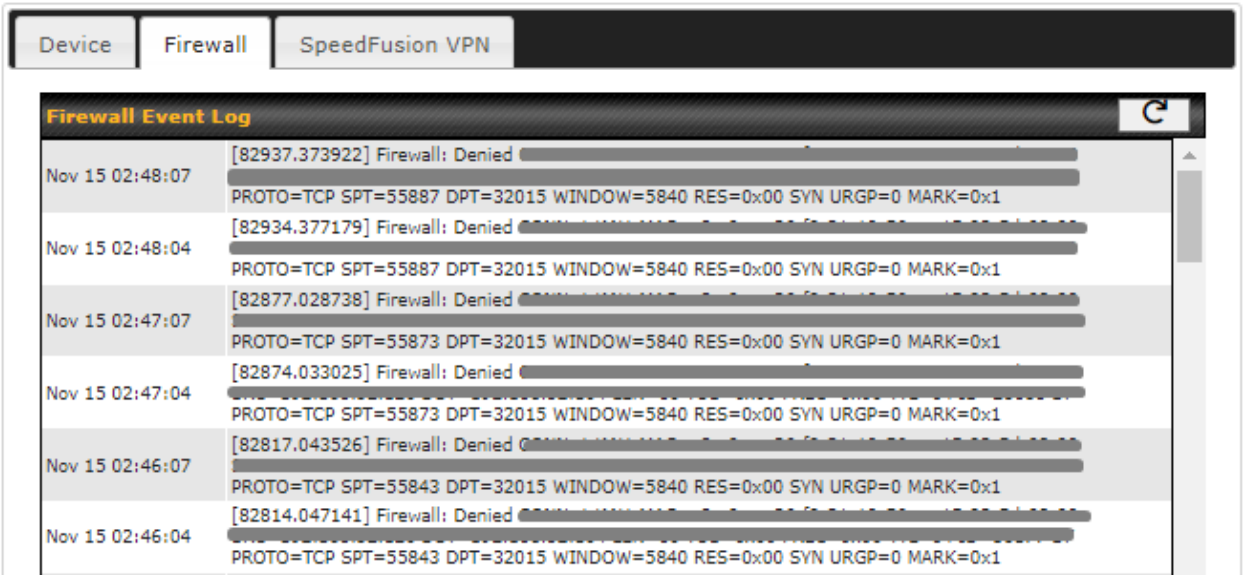
### 29.9.1 Device Event Log




The log section displays a list of events that has taken place on the Pepwave router. Click the to refresh log entries automatically. Click the button to clear the log.

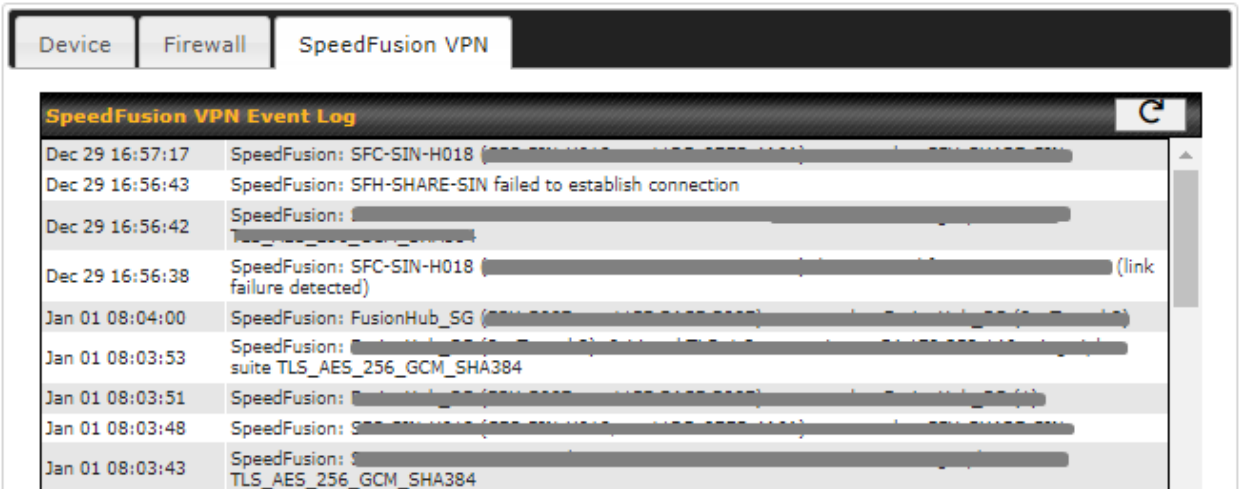
 

### 29.9.2 Firewall Event log




This section displays a list of events that have taken place within a firewall. Click the  button and the log will be refreshed.

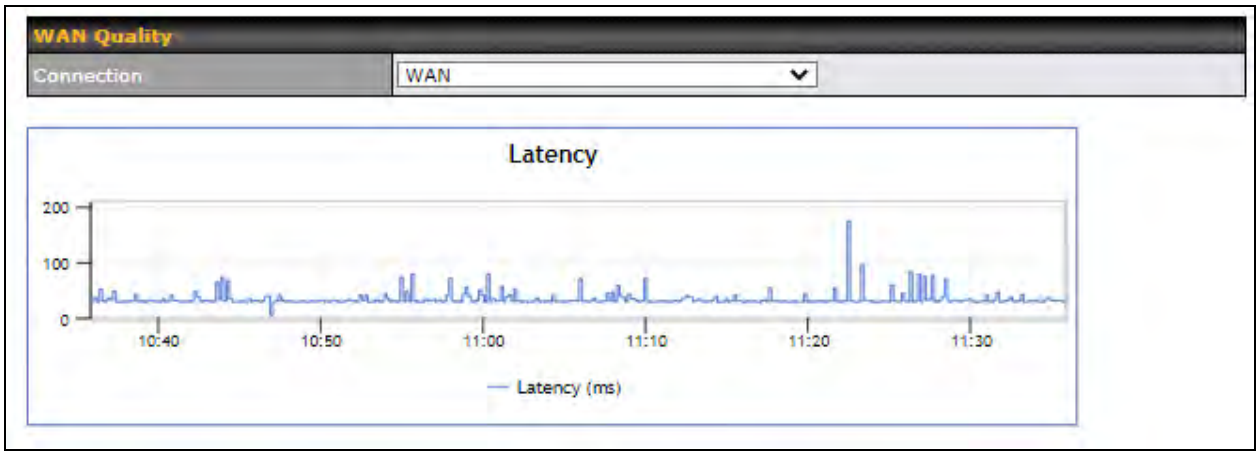
### 29.9.3 SpeedFusion VPN Event log




This section displays a list of events that have taken place within a SpeedFusion VPN connection. Click the  button and the log will be refreshed.

# 30 WAN Quality




The **Status > WAN Quality** allow to show detailed information about each connected WAN connection.

For cellular connections it shows signal strength, quality, throughput and latency for the past hour.

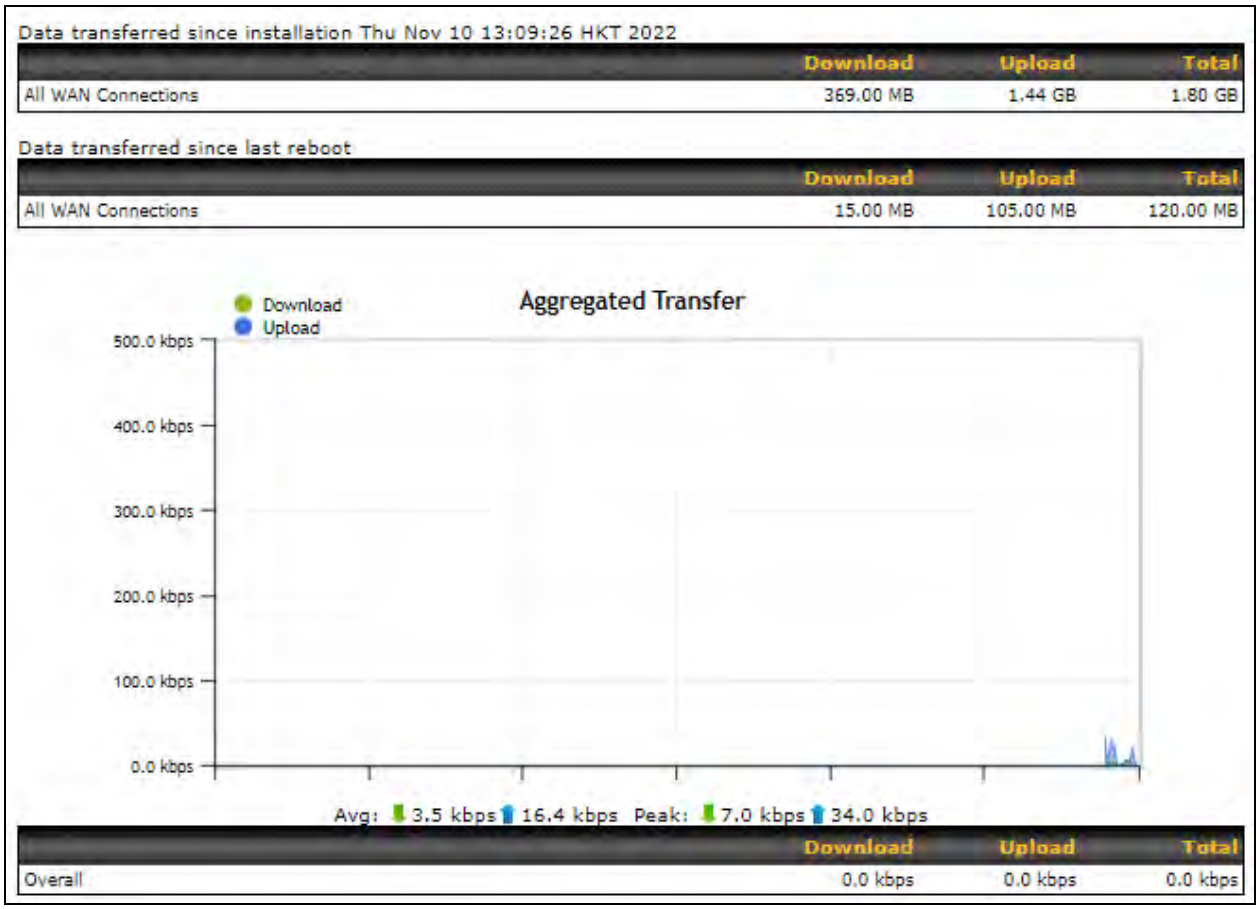
 

# 31 Usage Reports

This section shows bandwidth usage statistics and is located at **Status > Usage Reports**
Bandwidth usage at the LAN while the device is switched off (e.g., LAN bypass) is neither recorded nor shown.

## 31.1 Real-Time

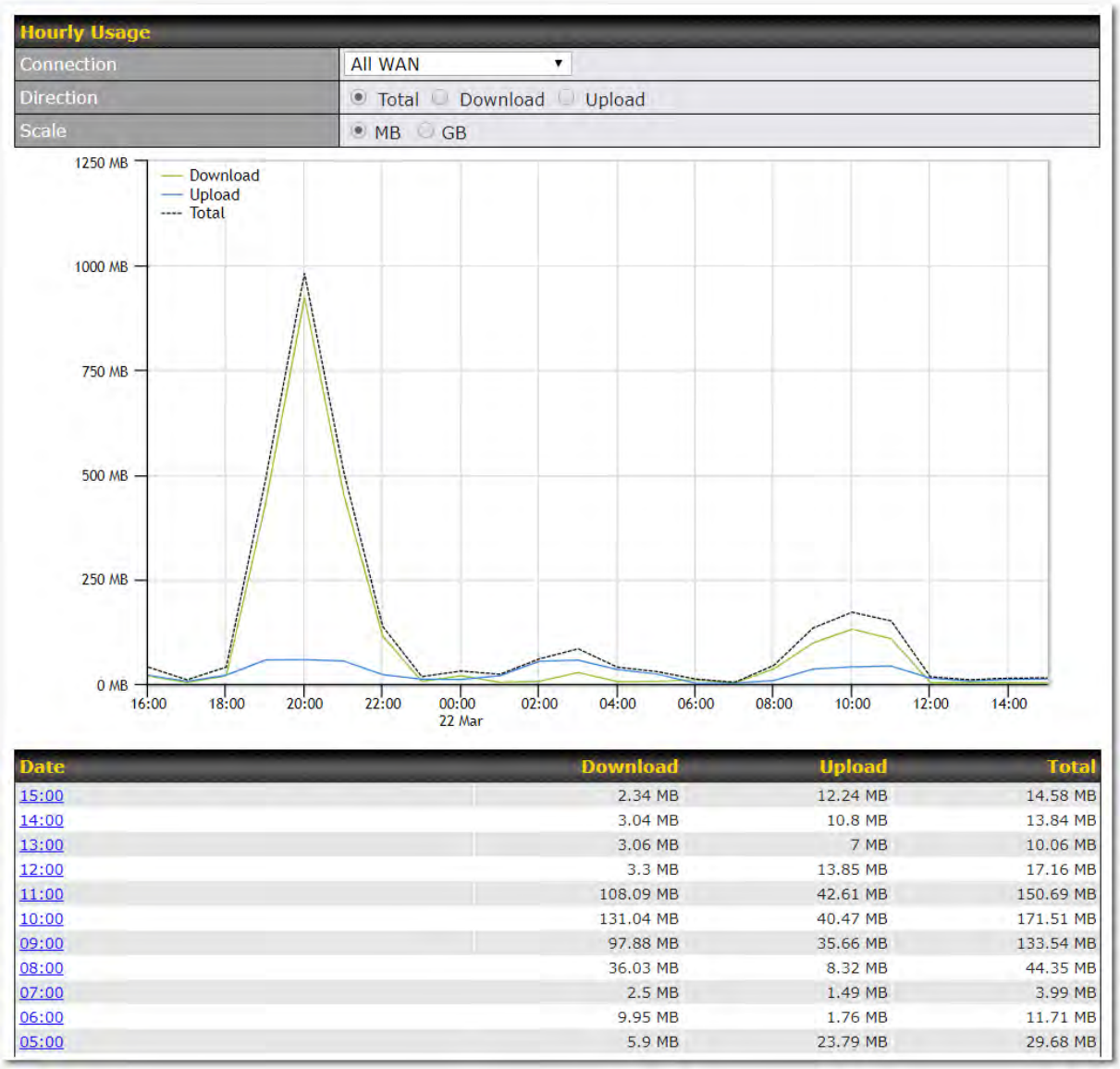
The **Data transferred since installation** table indicates how much network traffic has been processed by the device since the first bootup. The **Data transferred since last reboot** table indicates how much network traffic has been processed by the device since the last bootup.



## 31.2 Hourly

This page shows the hourly bandwidth usage for all WAN connections, with the option of viewing each individual connection. Select the desired connection to check from the drop-down menu.




| Date | Download | Upload | Total |
|---|---|---|---|
| 15:00 | 2.34 MB | 12.24 MB | 14.58 MB |
| 14:00 | 3.04 MB | 10.8 MB | 13.84 MB |
| 13:00 | 3.06 MB | 7 MB | 10.06 MB |
| 12:00 | 3.3 MB | 13.85 MB | 17.16 MB |
| 11:00 | 108.09 MB | 42.61 MB | 150.69 MB |
| 10:00 | 131.04 MB | 40.47 MB | 171.51 MB |
| 09:00 | 97.88 MB | 35.66 MB | 133.54 MB |
| 08:00 | 36.03 MB | 8.32 MB | 44.35 MB |
| 07:00 | 2.5 MB | 1.49 MB | 3.99 MB |
| 06:00 | 9.95 MB | 1.76 MB | 11.71 MB |
| 05:00 | 5.9 MB | 23.79 MB | 29.68 MB |

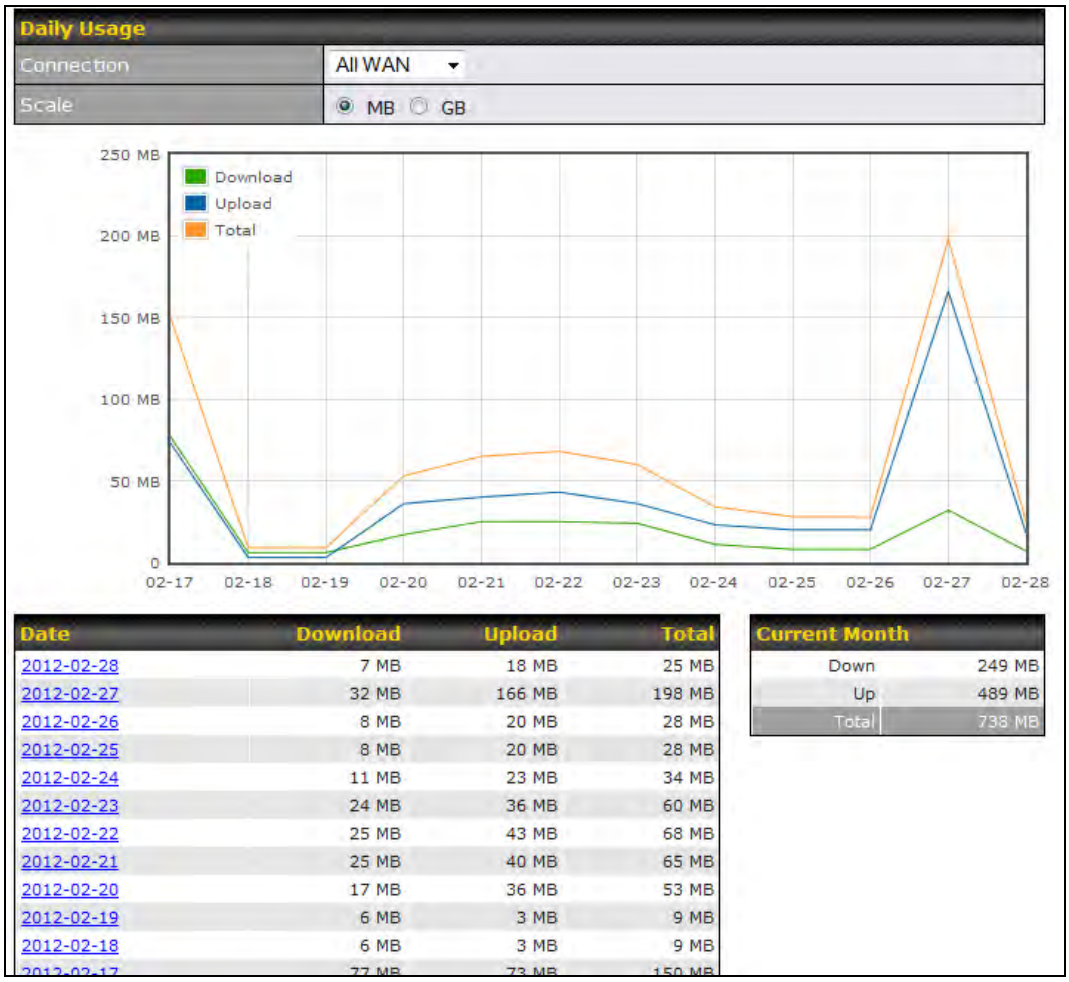
 

## 31.3 Daily

This page shows the daily bandwidth usage for all WAN connections, with the option of viewing each individual connection.

Select the connection to check from the drop-down menu. If you have enabled the **Bandwidth Monitoring** feature**,** the **Current Billing Cycle** table for that WAN connection will be displayed.

Click on a date to view the client bandwidth usage of that specific date. This feature is not available if you have selected to view the bandwidth usage of only a particular WAN connection. The scale of the graph can be set to display megabytes (**MB**) or gigabytes (**GB**).




| Date | Download | Upload | Total |
|---|---|---|---|
| 2012-02-28 | 7 MB | 18 MB | 25 MB |
| 2012-02-27 | 32 MB | 166 MB | 198 MB |
| 2012-02-26 | 8 MB | 20 MB | 28 MB |
| 2012-02-25 | 8 MB | 20 MB | 28 MB |
| 2012-02-24 | 11 MB | 23 MB | 34 MB |
| 2012-02-23 | 24 MB | 36 MB | 60 MB |
| 2012-02-22 | 25 MB | 43 MB | 68 MB |
| 2012-02-21 | 25 MB | 40 MB | 65 MB |
| 2012-02-20 | 17 MB | 36 MB | 53 MB |
| 2012-02-19 | 6 MB | 3 MB | 9 MB |
| 2012-02-18 | 6 MB | 3 MB | 9 MB |
| 2012-02-17 | 77 MB | 73 MB | 150 MB |

| Current Month | |
|---|---|
| Down | 249 MB |
| Up | 489 MB |
| Total | 738 MB |

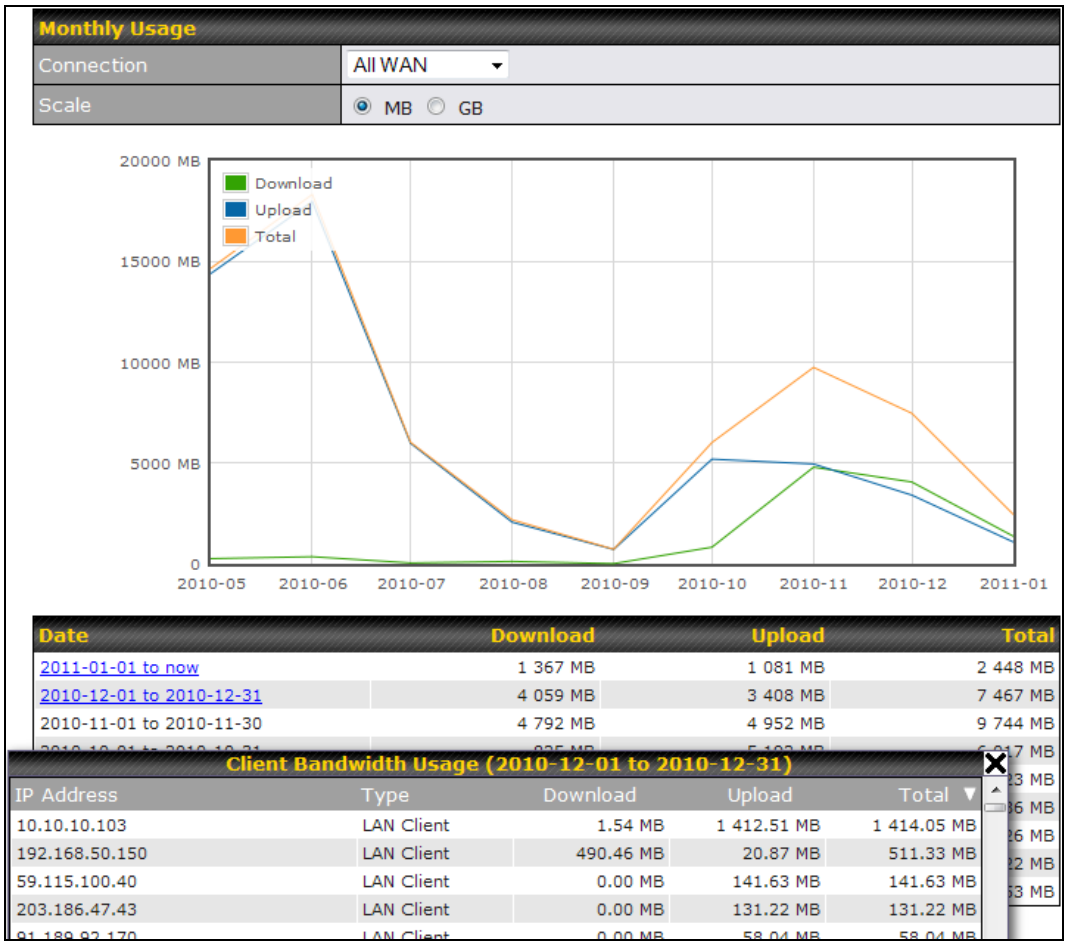
All WAN Daily Bandwidth Usage

## 31.4 Monthly

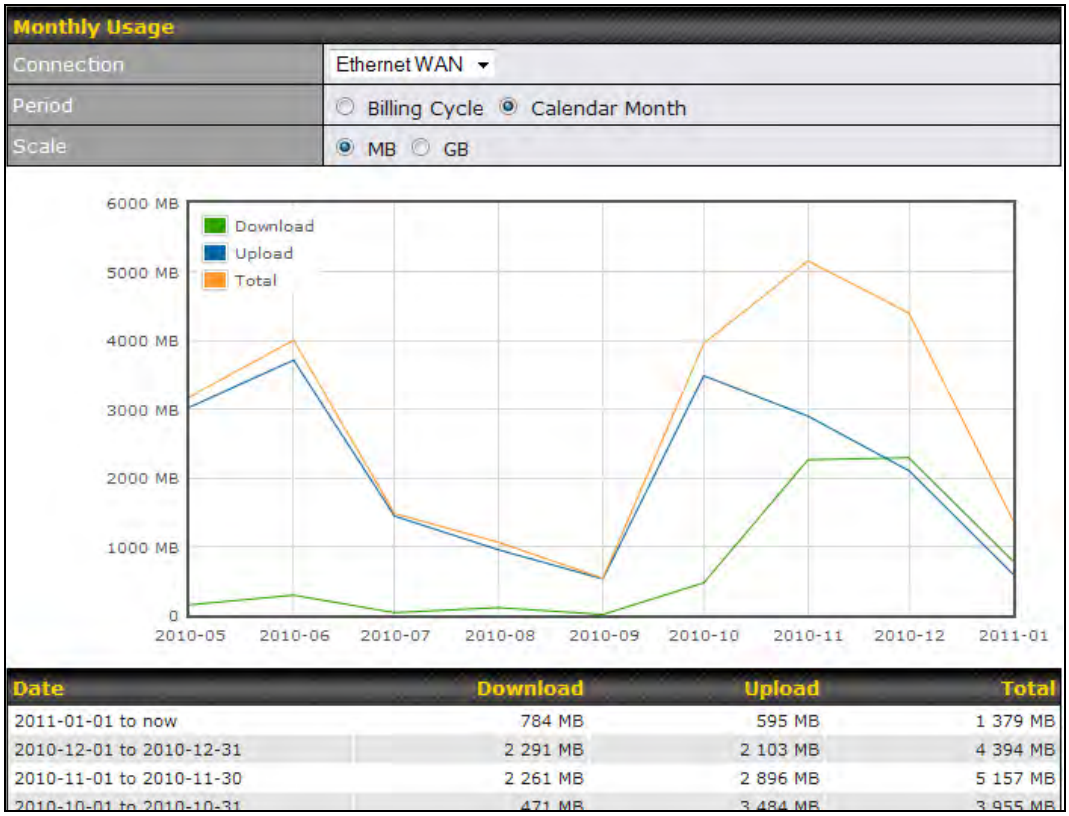
This page shows the monthly bandwidth usage for each WAN connection. If you have enabled the **Bandwidth Monitoring** feature, you can check the usage of each particular connection and view the information by **Billing Cycle** or by **Calendar Month**.

Click the first two rows to view the client bandwidth usage in the last two months. This feature is not available if you have chosen to view the bandwidth of an individual WAN connection. The scale of the graph can be set to display megabytes (**MB**) or gigabytes (**GB**).




All WAN Monthly Bandwidth Usage




Ethernet WAN Monthly Bandwidth Usage

**Tip**

By default, the scale of data size is in **MB**. 1GB equals 1024MB.

# Appendix A: Restoration of Factory Defaults

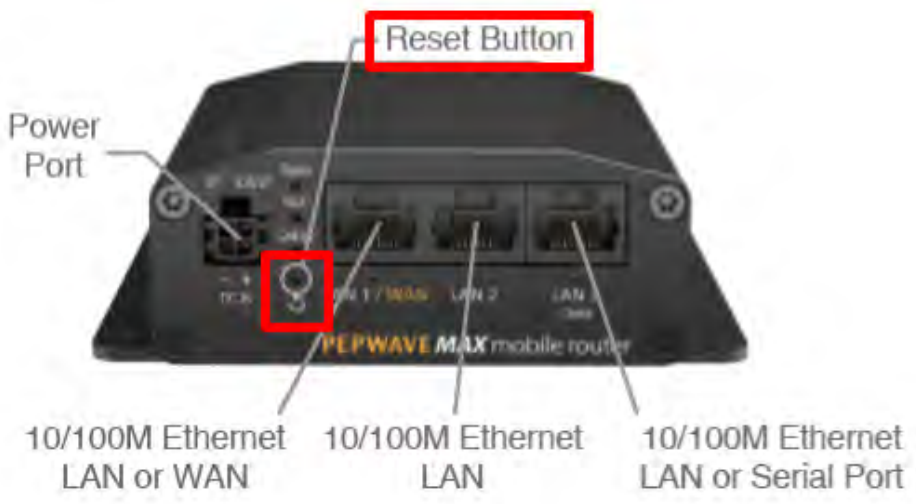
To restore the factory default settings on a Pepwave router, follow the steps below:

1. Locate the reset button on the front or back panel of the Pepwave router.
2. With a paperclip, press and keep the reset button pressed.

Hold for approximately 20 seconds for factory reset (Note: The LED status light shows in RED, all WAN/LAN port lights start blinking, and release the button)

After the Pepwave router finishes rebooting, the factory default settings will be restored.

| Important Note |
| --- |
| All previous configurations and bandwidth usage data will be lost after restoring factory default settings. Regular backup of configuration settings is strongly recommended. |



# Appendix B: FusionSIM Manual

Peplink has developed a unique technology called FusionSIM, which allows SIM cards to remotely link to a cellular router. This can be done via cloud or within the same physical network. There are a few key scenarios to fit certain applications.

The purpose of this manual is to provide an introduction on where to start and how to set up for the most common scenarios and uses.

## Requirements

1. A Cellular router that supports FusionSIM technology
2. SIM Injector
3. SIM card

Notes:

- Always check for the latest Firmware version for both the cellular router and the SIM Injector. You can also check for the latest Firmware version on the device's WEB configuration page.
- A list of products that support FusionSIM can be found on the SIM Injector WEB page. Please check under the section **Supported models**.

## SIM Injector reset and login details

How to reset a SIM Injector:

- Hold the reset button for 5-10 seconds. Once the LED status light turns RED, the reset button can be released. SIM Injector will reboot and start with the factory default settings.

The default WEB login settings:

- **User**: admin
- **Password**: admin
- IP address: the device only has a DHCP client and no fallback IP address. Therefore, it is advised to check every time what IP address is assigned to the SIM Injector.

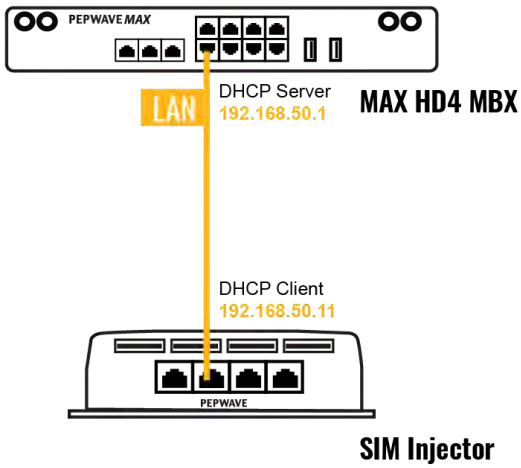
Notes:

- The SIM Injector can be monitored via InControl 2. Configuration is not supported.

# Scenario 1: SIM Injector in LAN of Cellular Router

## Setup topology




This is the most basic scenario in which the SIM Injector is connected directly to the cellular router's LAN port via an ethernet cable. This allows for the cellular router to be positioned for the best possible signal. Meanwhile, the SIM cards can be conveniently located in other locations such as the office, passenger area, or the bridge of a ship. The SIM Injector allows for easily swapping SIM cards without needing to access a cellular router.

IMPORTANT: Cellular WAN will not fallback to the local SIM if it is configured to use the SIM Injector.

## Configuring the SIM Injector

1. Connect the SIM Injector to the LAN port of the cellular router.
2. Insert SIM cards into the SIM Injector. The SIM cards will be automatically detected.

IMPORTANT: SIM cards inserted into SIM Injector must not have a PIN code.

**Note 1:** The SIM Injector gets its IP address via DHCP and doesn't have a static IP address. To find it's address, please check the DHCP lease on the cellular router.

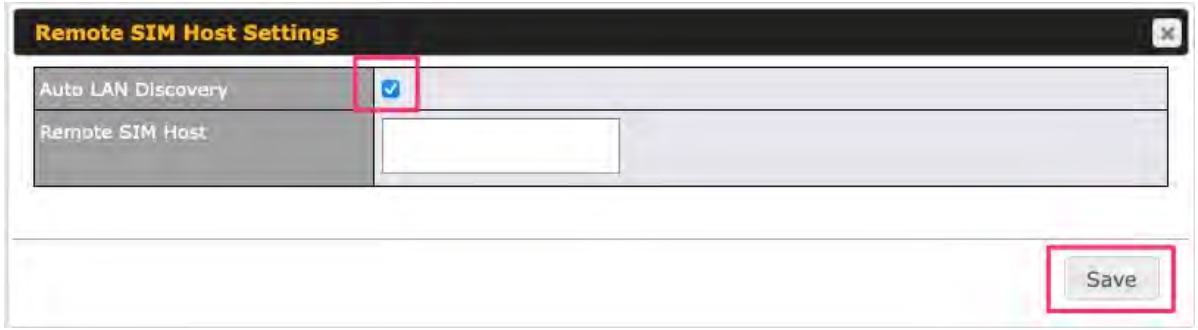
 

## Configuring the Cellular Router

**Step 1.** Enable the SIM Injector communication protocol.

1a. If you are using a Balance cellular router, go to the **Network** tab (top navigation bar).
1b. If you are using a MAX cellular router, go to the **Advanced** tab (top navigation bar).
2. Under **Misc. settings** (left navigation bar) find **Remote SIM Management**.
3. In **Remote SIM Management**, click on the edit icon next to **Remote SIM is Disabled**.


4. Check the **Auto LAN discovery** checkbox and click **Save** and **Apply Changes**.



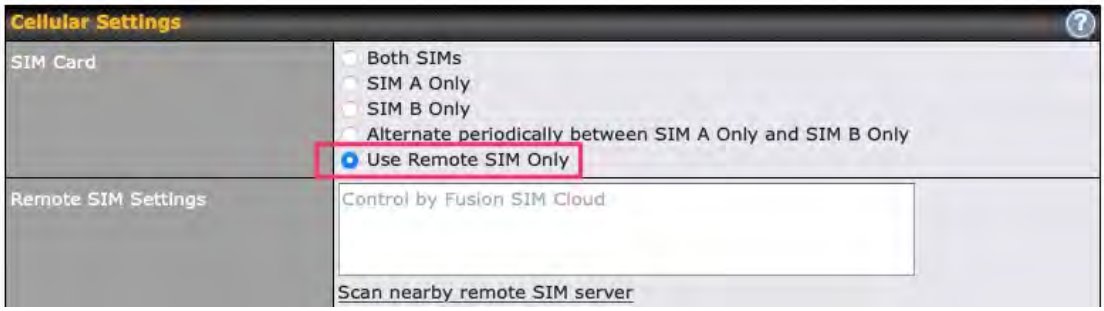

5. Click **Save** and then **Apply Changes**.

**Step 2.** Enable RemoteSIM for the selected Cellular interface.

1. Go to **Network** (top navigation bar), then **WAN** (left navigation bar) and click **Details** for a selected cellular WAN. This will open the WAN Connection Settings page.


2. Scroll down to **Cellular settings**.
3. In the **SIM Card** section, select **Use Remote SIM Only**.

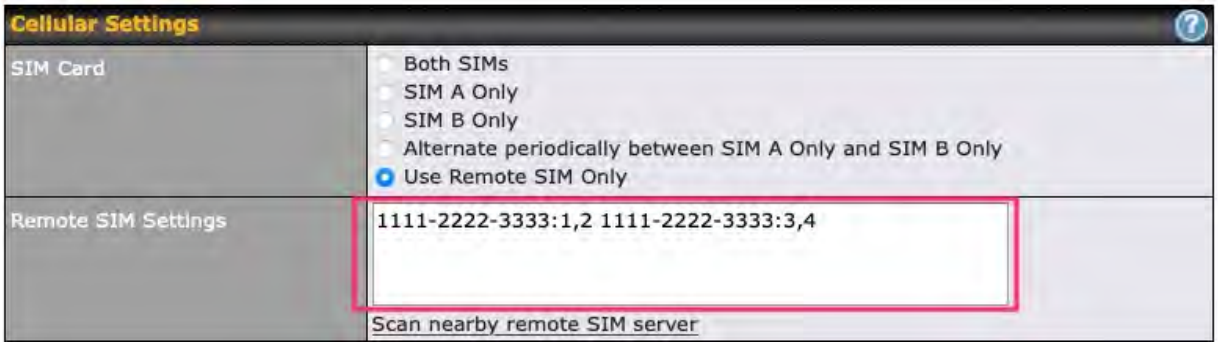
 




4. Enter configuration settings in **Remote SIM Settings** section. Click on **Scan nearby remote SIM server** to show the serial number(s) of the connected SIM Injector(s). Available configuration options for cellular interface are shown below:

A. Defining SIM Injector(s)
   - Format: <S/N>
   - Example 1: 1111-2222-3333
   - Example 2: 1111-2222-3333 4444-5555-6666

B. Defining SIM Injector(s) SIM slot(s):
   - Format: <S/N:slot number>
   - Example 1: 1111-2222-3333:7,5 (the Cellular Interface will use SIM in slot 7, then 5)
   - Example 2: 1111-2222-3333:1,2 1111-2222-3333:3,4 (the cellular Interface will use SIM in slot 1, then in 2 from the first SIM Injector, and then it will use 3 and 4 from the second SIM Injector).




Note: It is recommended to use different SIM slots for each cellular interface.

5. Click **Save** and **Apply Changes**.

**Step 3.** (Optional) Custom SIM cards settings.

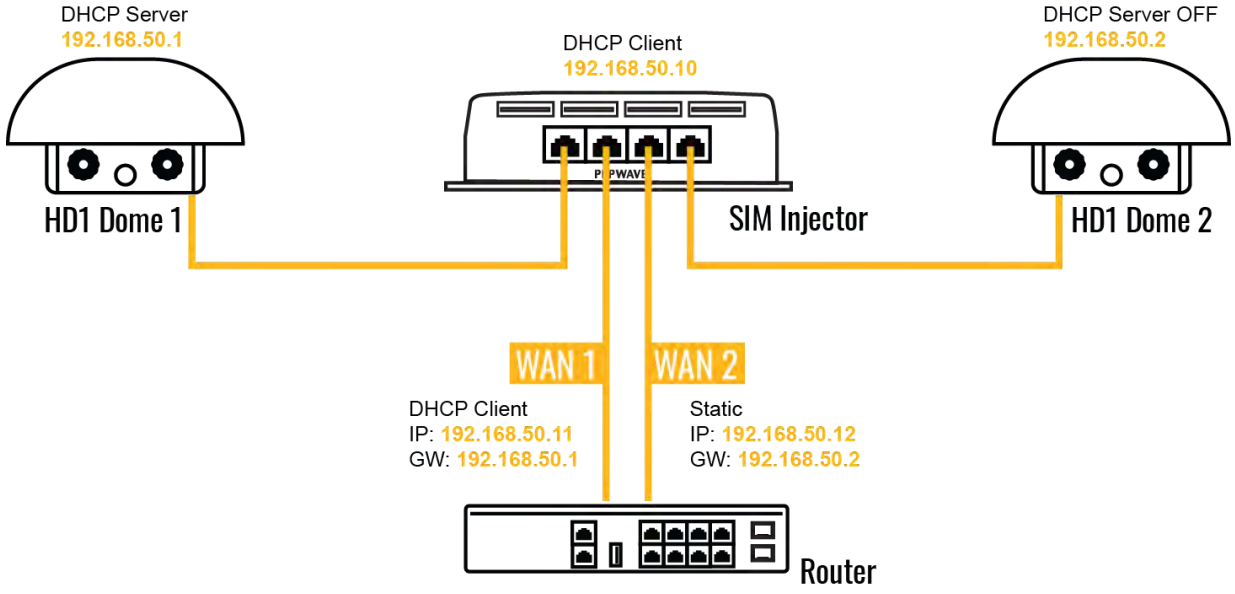
1a. For a Balance router, go to the **Network** (Top tab).

1b. For a MAX router, go to the **Advanced** (Top tab).
2. Under **Misc. settings** (Left-side tab) find **Remote SIM Management**.
3. Click on the **Add Remote SIM** button, fill in all the required info and click **Save**. This section allows defining custom requirements for a SIM card located in a certain SIM slot:
   - Enable/Disable roaming (by default roaming is disabled).
   - Add Custom mobile operator settings (APN, user name, password).
4. Repeat configuration for all SIM cards which need custom settings.
5. Click **Apply Changes** to take effect.

# Scenario 2: SIM Injector in WAN of main Router and multiple Cellular Routers

## Setup topology




In this scenario, each HD Dome creates a WAN connection to the main router. A single SIM Injector is used to provide SIM cards for each HD Dome. The HD Dome can be replaced with any Peplink cellular router supporting RemoteSIM technology.

**This scenario requires the completion of the configuration steps shown in Scenario 1 in addition to the configuration steps explained below.**

## Additional configurations for Cellular Routers

**Step 1.** Disable the DHCP server.

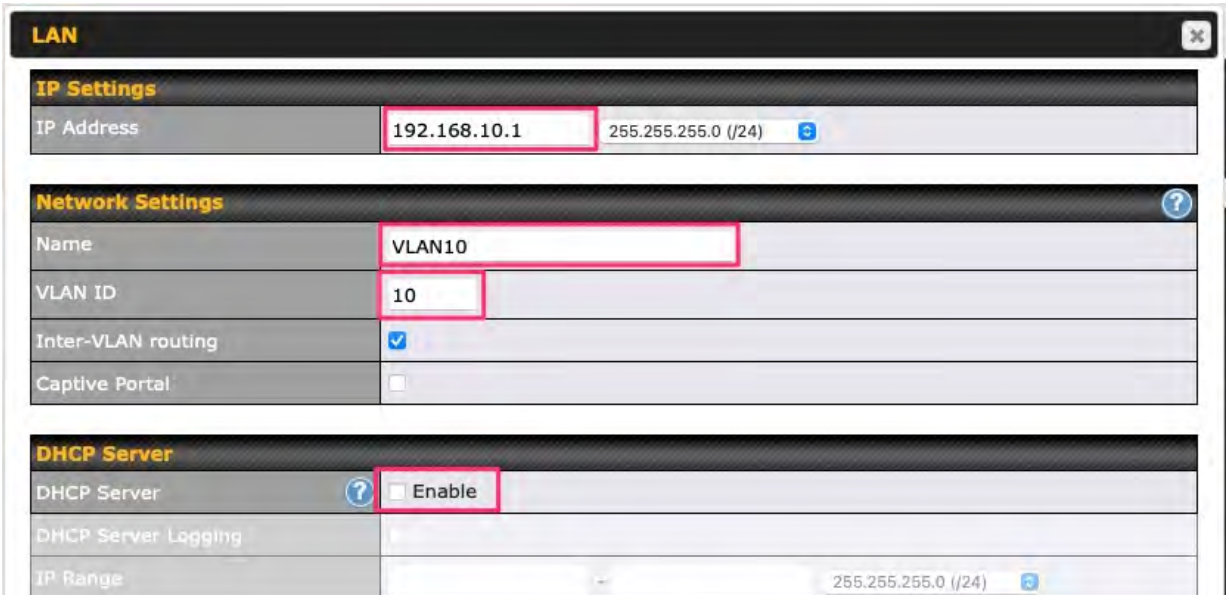
- HD Dome 1 should act as a DHCP server.
- HD Dome 2 should be configured to have a static IP address with DHCP disabled.
- Both routers should be in the same subnet (e.g. 192.168.50.1 and 192.168.50.2).

1. Go to **Network** (Top tab), then **Network Settings** (Left-side tab), and click on **Untagged LAN**. This will open up the LAN settings page.
2. Change the IP address to 192.168.50.2.
3. In the **DHCP Server** section, uncheck the checkbox to disable DHCP Server.
4. Click **Save** and **Apply Changes**.

**Step 2.** Ethernet port configuration

The Ethernet port must be set to **ACCESS** mode for each HD Dome. To do this, dummy VLANs need to be created first.

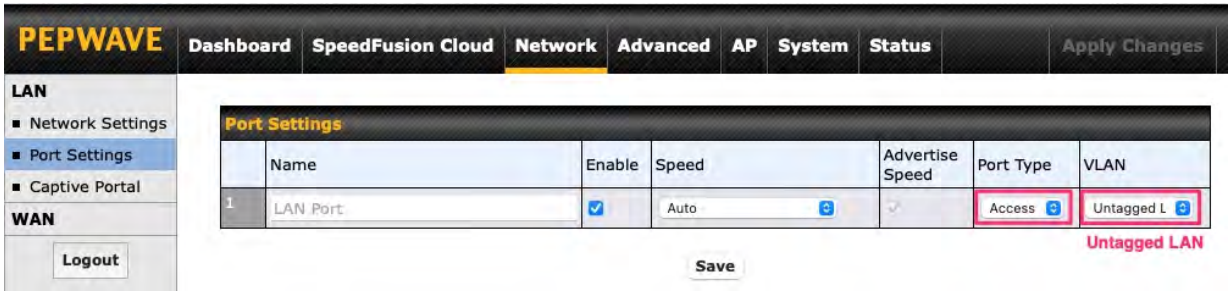
1. Go to **Network** (Top tab), then **Network Settings** (Left-side tab), and click on **New LAN**. This will open the settings page to create a dummy VLAN.
2. The image below shows the values that need to be changed to create a new VLAN:




**Note**: set different IP addresses for each HD dome (e.g. 192.168.10.1 and 192.168.10.2).

3. Click Save and **Apply Changes**.
4. Go to **Network** (Top tab), then **Port Settings** (Left-side tab).
5. Set the Port Type to **Access** and set VLAN to **Untagged LAN** (see picture below).




6. Click **Save** and **Apply Changes**.

## Configuration requirements for the main Router

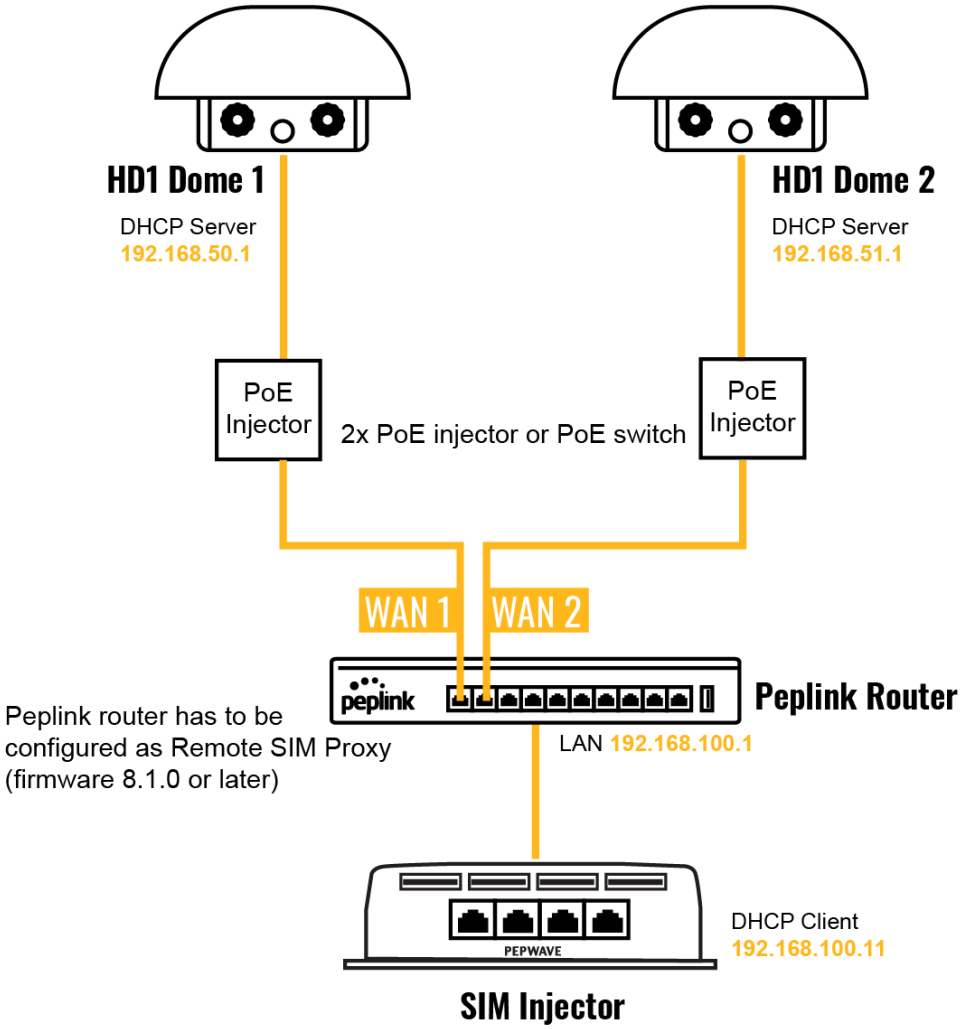
Requirements for the main router are:

- Configure **WAN 1** as a DHCP client.
- **WAN 1** will automatically get the Gateway IP address from HD Dome 1.
- Configure **WAN 2** as a Static IP and set it to 192.168.50.12.
- Configure **WAN 2** Gateway to 192.168.50.2. Same as the HD Dome 2's IP address.

# Scenario 3: SIM Injector in LAN of main Router and multiple Cellular Routers

## Setup topology




In this scenario, SIMs are provided to the HD Domes via the main router. In this example, the **Remote SIM Proxy** functionality needs to be enabled on the main router.

Notes:

- HD Dome can be replaced with any other cellular router that supports RemoteSIM.
- It is recommended to use Peplink Balance series or X series routers as the main router.

**This scenario requires the completion of the configuration steps for the cellular router and the SIM Injector as in Scenario 1. The configuration for the main router is explained below.**

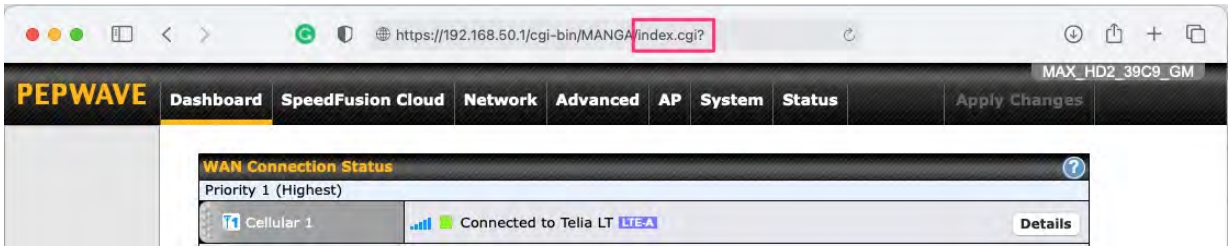
## Main Router configuration

IMPORTANT: Main router LAN side and Cellular Routers must be configured using different subnets, e.g. 192.168.**50**.1/24 and 192.168.**100**.1/24.

**Note**: please make sure the Peplink router is running Firmware 8.1.0 or above.

1. Open the main router WEB interface and change:
From <IP address>/cgi-bin/MANGA/**index.cgi** to <IP address>/cgi-bin/MANGA/**support.cgi**.

This will open the support.cgi page.

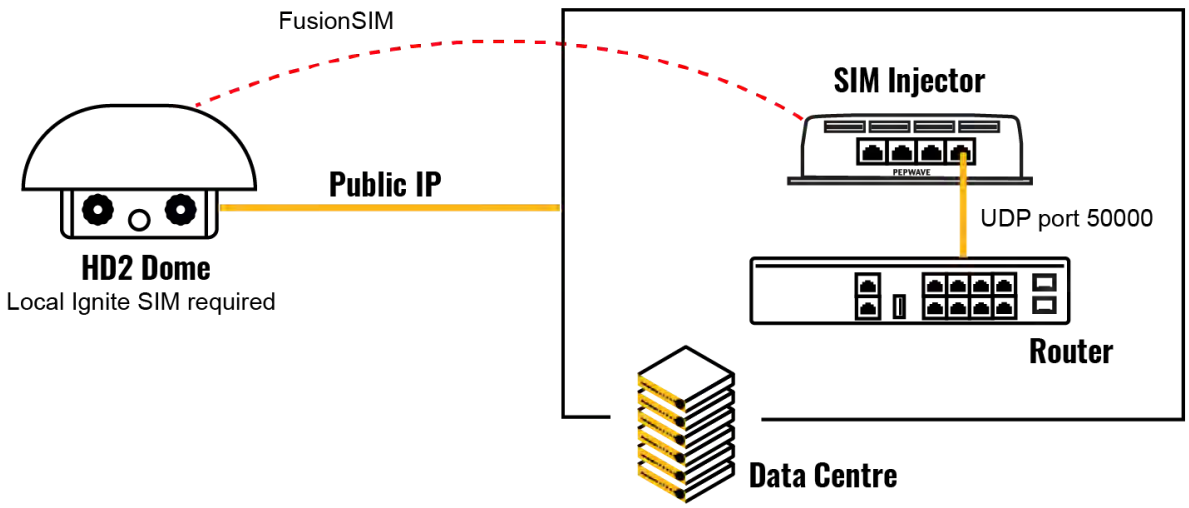



2. Scroll down to find **Remote SIM Proxy** and click on **[click to configure]** that is located next to it.
3. Check the **Enable** checkbox.
4. Click on **Save**.
5. Go back to the index.cgi page and click on **Apply Changes**.

# Scenario 4: SIM Injector in a remote location

## Setup topology




Requirements for installing a SIM Injector in a remote location:

- Cellular router communicates with the SIM Injector via UDP port 50000. Therefore this port must be reachable via public IP over the Internet.
- The one way latency between the cellular router and the SIM Injector should be **up to 250 ms.** A higher latency may lead to stability issues.
- The cellular router must have Internet connection to connect to the SIM Injector. It can be another Internet connection via Ethernet or Fiber if possible, or a secondary cellular interface with a local SIM (Ignite SIM).
- Due to its high latency, it is not recommended to use satellite WAN for connecting to a SIM Injector in remote locations.

**SIM Injector configuration is the same as in Scenario 1.**

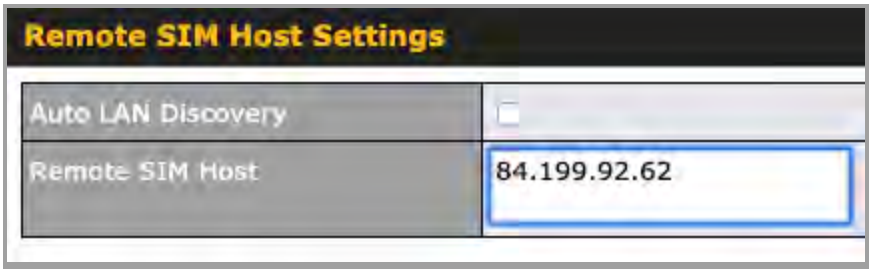
## Cellular Router configuration

**Step 1.** Enable the SIM Injector communication protocol.

1a. For a Balance cellular router, go to the **Network** (Top tab).
1b. For a MAX cellular router, go to the **Advanced** (Top tab).

2. Under **Misc. settings** (Left-side tab), find **Remote SIM Management**.
3. In **Remote SIM Management**, click on the edit icon next to **Remote SIM is Disabled.**
4. Enter the public IP of the SIM Injector and click **Save** and **Apply Changes**.




**Notes:**

- **Do NOT check Auto LAN Discovery.**
- **Do NOT add a SIM Injector serial number to the Remote SIM Host field.**

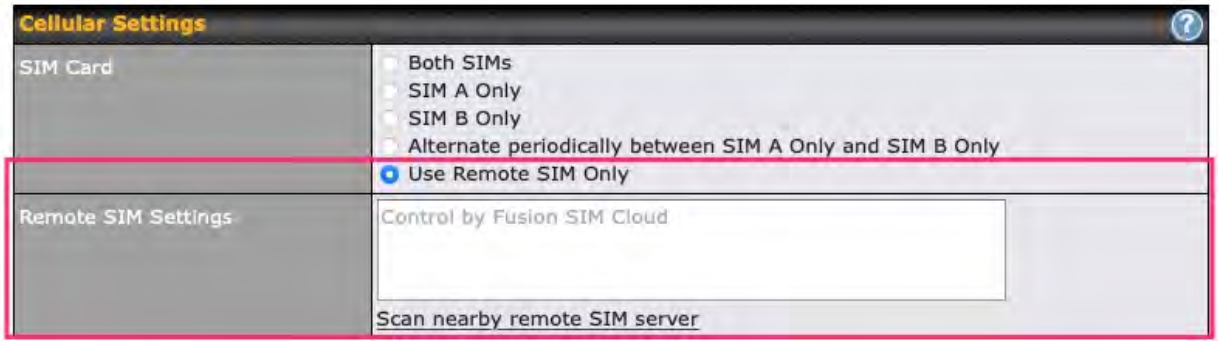
**Step 2.** RemoteSIM and custom SIM card settings configurations are the same as in Scenario 1.

## How to check if a Pepwave Cellular Router supports Remote SIM

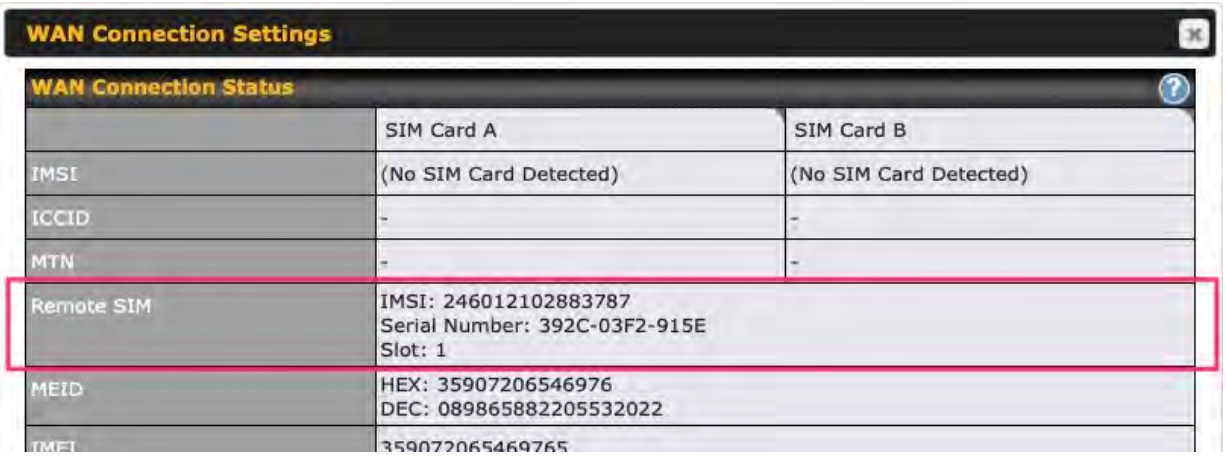
1. Go to **Network** (Top tab), then **WAN** (Left-side tab), and click **Details** on any cellular WAN. This will open the WAN Connection Settings page.
2. Scroll down to **Cellular settings**.

If you can see the **Remote SIM Settings** section, then the cellular router supports Remote SIMs.




## Monitor the status of the Remote SIM

1. Go to **Network** (Top tab), then **WAN** (Left-side tab), and click **Details** on the cellular WAN which was configured to use RemoteSIM.
2. Check the **WAN Connection Status** section. Within the cell WAN details, there is a section for **Remote SIM** (SIM card IMSI, SIM Injector serial number and SIM slot).



# Appendix C: Overview of ports used by Peplink SD-WAN routers and other Peplink services

| Default Port Number | Usage | Service | Inbound/Outbound | Default Status |
|---|---|---|---|---|
| UDP 5246 | Data flow | InControl | Outbound | Enabled |
| TCP 443 | HTTPS service | InControl | Outbound | Enabled |
| TCP 5246 | Optional, used when TCP 443 is not responding | InControl | Outbound | Enabled |
| TCP 5246 | Remote Web Admin | InControl Virtual Appliance | Outbound | Enabled |
| TCP 4500 | VPN Data (TCP Mode) | SpeedFusion VPN / SpeedFusion | Inbound / Outbound* | Disabled |
| TCP 32015 | VPN handshake | SpeedFusion VPN / SpeedFusion | Inbound / Outbound* | Disabled |
| UDP 4500 | VPN Data | SpeedFusion VPN / SpeedFusion | Inbound / Outbound* | Disabled |
| UDP 32015º | VPN Data (alternative) | SpeedFusion VPN / SpeedFusion | Inbound / Outbound* | Disabled |
| TCP/UDP 4500+N-1^ | VPN Sub-Tunnels Data | SpeedFusion VPN / SpeedFusion | Inbound / Outbound* | Disabled |
| UDP 32015+N-1^ | VPN Sub-Tunnels Data (alternative) | SpeedFusion VPN / SpeedFusion | Inbound / Outbound* | Disabled |
| UDP 4500 | VPN Data | IPsec | Inbound / Outbound* | Disabled |
| UDP 500 | VPN initiation | IPsec | Inbound / Outbound* | Disabled |
| UDP 500 | L2TP | Remote User Access | Inbound | Disabled |
| UDP 1701 | L2TP | Remote User Access | Inbound | Disabled |
| UDP 4500 | L2TP | Remote User Access | Inbound | Disabled |
| UDP 1194 | OpenVPN | Remote User Access | Inbound | Disabled |
| IP 47 | PPTP (GRE) | Remote User Access | Inbound | Disabled |
| TCP 2222 | Remote Assistance Direct connection | Peplink Troubleshooting Assistance | Outbound | Enabled |
| TCP 80 | HTTP traffic | Web Admin | Inbound | Enabled |

| | | | | |
|---|---|---|---|---|
| | | Interface access | | |
| TCP 443 | HTTPS traffic | Web Admin Interface access (secure) | Inbound | Enabled |
| TCP 8822 | SSH | SSH | Inbound | Disabled |
| UDP 161 | SNMP Get | SNMP monitoring | Inbound | Disabled |
| UDP 162 | SNMP Trap | SNMP monitoring | Outbound | Disabled |
| TCP, UDP 1812 | Radius Authentication | Radius | Outbound | Disabled |
| TCP, UDP 1813 | Radius Accounting | Radius | Outbound | Disabled |
| UDP 123 | Network Time Protocol | NTP | Inbound<br>Outbound | Disabled<br>Enabled |
| TCP 60660 | Real-time location data in NMEA format | GPS | Outbound | Disabled |

**Disclaimer:**

- By default, only TCP 32015 and UDP 4500 are needed for SpeedFusion VPN / SpeedFusion.
- Inbound / Outbound* - Inbound = For Server mode; Outbound = For Client mode
- UDP 32015º - If IPsec VPN or L2TP/IPsec RUA is enabled, the UDP 4500 is occupied, so SpeedFusion VPN / SpeedFusion will automatically switch to UPD 32015 as VPN data port .
- UDP 32015+N-1^ / TCP/UDP 4500+N-1^ - When using Sub-Tunnels, multiple ports are in use (1 for each Sub-Tunnel profile).
- The default UDP data ports used when using (N number of Sub-Tunnel profiles) are: 4500…4500+N-1, or (when port 4500 is in use by IPsec or L2TP/IPsec) 32015… 32015+N-1".

# Appendix D: Declaration

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 Mini**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

**FCC Radiation Exposure Statement (for MAX BR1 mini)**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**CE Statement for Pepwave Routers ( MAX BR1 Mini for EC25-E)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 Mini<br>MAX BR1 Mini LTE<br>Pismo930 Lite |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 50385 : 2017
EN 301 489-1 V2.2.3
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016
EN 55035: 2017
EN IEC 61000-3-2: 2019
EN 61000-3-3:2013 + A1:2019
EN 62368-1:2014 + A11:2017 (Second Edition)

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 16.38 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | |
|---|---|
| **Output Power** | Class 3 (23dBm±2dB) for LTE FDD<br>Class 3 (23dBm±2dB) for LTE TDD<br>Class 3 (24dBm +1/-3dB) for TD-SCDMA<br>Class 3 (24dBm +1/-3dB) for UMTS<br>Class E2 (27dBm ±3dB) for EDGE 850/900MHz<br>Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz<br>Class 4 (33dBm ±2dB) for GSM 850/900MHz<br>Class 1 (30dBm ±2dB) for GSM 1800/1900MHz |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as:** https://www.peplink.com/

**CE Statement for Pepwave Routers ( MAX BR1 Mini for MC7455)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 Mini<br>MAX BR1 Mini LTEA<br>Pepwave MAX BR1 Mini<br>Pepwave MAX BR1 Mini LTEA<br>Peplink MAX BR1 Mini<br>Peplink MAX BR1 Mini LTEA<br>MAX-BR1-MINI-LTEA-W-T<br>Pismo930 Lite |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V11.1.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017 (Second Edition)

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 16.38 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

**Industry Canada Statement (for MAX BR1 Mini)**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.

**FCC & IC Requirements for Operation in the United States and Canada (for MAX BR1 Mini)**

**FCC ID : U8G-P1930LITER6**

**FCC 15.21:** The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**RF exposure warning:** This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

---

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**IC Warning:**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisee aux deux conditions suivantes

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioelect rique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

---

Informations concernant l'exposition aux frequences radio (RF)

Cet equipement est conforme avec l'exposition aux radiations IC definies pour un environnement noncontrole.

Cet equipement doit etre installe et utilise a une distance minimum de 20 cm entre le radiateuret votre corps.

Cet emetteur ne doit pas etre co-localisees ou operant en conjonction avec une autreantenne ou transmetteur.

Les utilisateurs finaux et les installateurs doivent etre informes des instructions d'installation de l'antenne et des conditions de fonctionnement de l'emetteur afin de satisfaire a la conformite d'exposition RF.

This radio transmitter IC 20682-P1930LITER6 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le present emetteur radio 20682-P1930LITER6 a ete approuve par Innovation, Sciences et Developpement economique Canada pour fonctionner avec les types d'antenne enumeres ci dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est superieur au gain maximal indique pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'emetteur.

antenna type Omni-directional

antenna gain 5.33

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 MK2**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 24cm between the radiator & your body.

**Industry Canada Statement (For MAX BR1 MK2)**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio

exempts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.

En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bande 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

**Radiation Exposure Statement**

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.

**CE Statement for Pepwave Routers ( MAX BR1 MK2 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | Pismo Labs Technology Limited |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Pepwave / Peplink / Pismo Wireless Product |
| Model name of the appliance | MAX BR1 MK2 |
| Trade name of the appliance | Pepwave / Peplink / Pismo |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 301 908-1 V13.1.1
EN 301 489-1 V2.2.3
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032:2015 +A11:2020
EN 61000-3-2: 2019
EN 61000-3-3: 2019
EN 62311:2008
EN 62368-1:2014+A11:2017 (Second Edition)
EN 55035:2017

Yours sincerely,

Keith Chau
General Manager
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.95 dBm**

**5GHz ( 5150 - 5250 MHz ) : 22.73 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 3 (UMTS 1800 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 Classic**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Caution Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**FCC Radiation Exposure Statement (for MAX BR1 Classic )**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**Industry Canada Statement ( for MAX BR1 Classic )**

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions (1) This device may not cause interference; and(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

## CE Statement for Pepwave Routers ( MAX BR1 Classic for MC7455)

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 ESN<br>MAX BR1 ESN LTEA<br>Pepwave MAX BR1 ESN<br>Pepwave MAX BR1 ESN LTEA<br>Peplink MAX BR1 ESN<br>Peplink MAX BR1 ESN LTEA<br>Pismo930 Lite<br>MAX-BR1-ESN-LTEA-W-T<br>MAX BR1 Classic<br>MAX BR1 Classic LTEA<br>Pepwave MAX BR1 Classic<br>Pepwave MAX BR1 Classic LTEA<br>Peplink MAX BR1 Classic<br>Peplink MAX BR1 Classic LTEA<br>MAX-BR1-LTEA-W-T<br>MAX BR1<br>MAX BR1 LTEA<br>Pepwave MAX BR1<br>Pepwave MAX BR1 LTEA |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
Draft EN 301 489-17 V3.2.0
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.78 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| LTE | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX BR1 Classic for EC25-E)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 Classic<br>Pismo930 Lite<br>MAX BR1<br>MAX BR1 LTE<br>MAX-BR1-LTE-E-T<br>MAX BR1 Classic LTE<br>MAX BR1 ESN<br>MAX BR1 ESN LTE<br>MAX-BR1-ESN-LTE-E-T<br>Pepwave MAX BR1<br>Pepwave MAX BR1 LTE<br>Pepwave MAX BR1 Classic<br>Pepwave MAX BR1 Classic LTE<br>Pepwave MAX BR1 ESN<br>Pepwave MAX BR1 ESN LTE<br>Peplink MAX BR1<br>Peplink MAX BR1 LTE<br>Peplink MAX BR1 Classic<br>Peplink MAX BR1 Classic LTE<br>Peplink MAX BR1 ESN<br>Peplink MAX BR1 ESN LTE |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V11.1.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
Draft EN 301 489-17 V3.2.0
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.78 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | |
|---|---|
| Output Power | Class 3 (23dBm±2dB) for LTE FDD<br>Class 3 (23dBm±2dB) for LTE TDD<br>Class 3 (24dBm +1/-3dB) for TD-SCDMA<br>Class 3 (24dBm +1/-3dB) for UMTS<br>Class E2 (27dBm ±3dB) for EDGE 850/900MHz<br>Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz<br>Class 4 (33dBm ±2dB) for GSM 850/900MHz<br>Class 1 (30dBm ±2dB) for GSM 1800/1900MHz |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as:** https://www.peplink.com/

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX HD4 MBX, MAX HD2 MBX, MAX HD4 MBX 5G, MAX HD2 MBX 5G**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**IMPORTANT NOTE**

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**ISED Warning Statement For MAX HD4 MBX**

Industry Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions (1) This device may not cause interference; and(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.

En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bande 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

### IC Radiation Exposure Statement

This equipment complies with Innovation, Science and Economic Development Canada RF exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated to ensure a minimum of 20 cm spacing to any person at all times.

Declaration d'exposition aux radiations Cet equipement est conforme aux limites d'exposition aux rayonnements IC etablies pour un environnement non controle. Cet equipement doit etre installe et utilise avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

This radio transmitter 20682-P1MBX has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

WIFI Antenna type Replacement Antenna

WIFI Antenna gain 2.4GHz / 2.44 dBi , 5GH / 4.73 dBi

LTE Antenna type Replacement Antenna

LTE Antenna gain 4.38 dBi

### Battery Caution Statement (MAX HD4 MBX, MAX HD2 MBX, MAX HD4 MBX 5G, MAX HD2 MBX 5G)

Risk of explosion if the battery replaced by an incorrect type, place the battery into fire, a hot oven, extremely high temperature or low air pressure surrounding environment, the leakage of flammable liquid or gas, and mechanically crushing or cutting of the battery.

## CE Statement for Pepwave Routers ( MAX HD4 MBX For EM7565 )

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building<br>Phase 6, 481 Castle Peak Road<br>Cheung Sha Wan Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD4 MBX<br>MAX-HD4-MBX-LTEA-K-T<br>HD4 MBX<br>MBX<br>MAX HD4 MBX LTEA<br>EXM-T4-LTEA-R<br>Peplink Balance 310X<br>Balance 310X<br>BPL-310X-LTE-E-T |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 301908-1 V13.1.1
Draft EN 301 489-1 V2.2.1
Draft EN 301 489-17 V3.2.0
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55035 : 2017
EN 62311 : 2008
EN 62368-1:2014 + A11:2017
EN 301 489-19 V2.1.1
EN 301 893 V2.1.1

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.6 dBm**
**5GHz ( 5150 - 5250 MHz ) : 19.4 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| **LTE** | | |
| LTE bands 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE bands 7 | Single cell: +22 dBm ± 1 dB<br>UL CA: +22.8 dBm ± 1 dB | 0.8 dB offset for UL CA hardcoded by chipset manufacturer |
| | | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX HD4 MBX For EM7565 )**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD4 MBX<br>MAX-HD4-MBX-LTEA-K-T<br>HD4 MBX<br>MBX<br>MAX HD4 MBX LTEA<br>EXM-T4-LTEA-R<br>Peplink Balance 310X<br>Balance 310X<br>BPL-310X-LTE-E-T |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1

**Other Standards Applied**

EN 62311: 2008
Draft EN 301 489-1 V2.2.1
Draft EN 301 489-17 V3.2.0
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**CE Statement for Pepwave Routers ( MAX HD2 MBX / MAX HD4 MBX For LM960A18)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD4 MBX<br>MAX HD4 MBX LTEA<br>MAX HD2 MBX<br>MAX HD2 MBX LTEA<br>MBX<br>MAX-HD4-MBX-GLTE-G<br>MAX-HD2-MBX-GLTE-G<br>EXM-MBX-T4-GLTE-G<br>EXM-MBX-T2-GLTE-G<br>Pepwave MAX HD4 MBX<br>Pepwave MAX HD2 MBX<br>Pepwave MAX HD4 MBX LTEA<br>Pepwave MAX HD2 MBX LTEA<br>Peplink MAX HD4 MBX<br>Peplink MAX HD2 MBX<br>Peplink MAX HD4 MBX LTEA<br>Peplink MAX HD2 MBX LTEA |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.6 dBm**
**5GHz ( 5150 - 5250 MHz ) : 19.4 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| Band | Power class |
|---|---|
| 3G WCDMA | Class 3 (0.2W) |
| LTE All Bands | Class 3 (0.2W) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX HD2 MBX / MAX HD4 MBX For LM960A18)**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD4 MBX<br>MAX HD4 MBX LTEA<br>MAX HD2 MBX<br>MAX HD2 MBX LTEA<br>MBX<br>MAX-HD4-MBX-GLTE-G<br>MAX-HD2-MBX-GLTE-G<br>EXM-MBX-T4-GLTE-G<br>EXM-MBX-T2-GLTE-G<br>Pepwave MAX HD4 MBX<br>Pepwave MAX HD2 MBX<br>Pepwave MAX HD4 MBX LTEA<br>Pepwave MAX HD2 MBX LTEA<br>Peplink MAX HD4 MBX<br>Peplink MAX HD2 MBX<br>Peplink MAX HD4 MBX LTEA<br>Peplink MAX HD2 MBX LTEA |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1

**Other Standards Applied**

EN 62311: 2008
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

## CE Statement for Pepwave Routers (MAX HD2 MBX 5G / MAX HD4 MBX 5G For MV31-W)

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD2 MBX 5G<br>MAX-HD2-MBX-5GD-T<br>MAX HD4 MBX 5G<br>MAX-HD4-MBX-5GD-T<br>Balance 310X<br>Balance 310X 5G<br>BPL-310X-5GD-T<br>MBX Expansion Module<br>Expansion Module with 1x 5G modems<br>EXM-310X-5GD<br>Expansion Module with 4x 5G modems<br>EXM-MBX-T4-5GD<br>Expansion Module with 2x 5G modules<br>EXM-MBX-T2-5GD |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
Draft EN 301 489-19 V2.2.0
Draft EN 301 489-52 V1.1.2
EN 55032: 2015 / A11: 2020
EN 55035: 2017 / A11: 2020
EN 61000-3-2: 2014
EN 61000-3-3: 2013 / A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.6 dBm**

**5GHz ( 5150 - 5250 MHz ) : 19.4 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | | |
|---|---|---|
| 5G | Bands | FR1 (Sub 6G):<br>FDD: n28<br>TDD: n78 |
| | Band combinations | For supported E-UTRAN New Radio Dual Connectivity (EN-DC) see Section 6.2 |
| | 4x4 MIMO | n78 |
| | DSS | n28 |
| | Category | 3GPP Rel 15 |
| | Output Power | FR1 (Sub 6G):<br>n78: 26dBm +2/-3dB<br>all other bands: 23dBm ±2dB |
| 4G | Bands | FDD: B1, B3, B7, B8, B20, B28<br><br>TDD: B38, B40 |
| | Band combinations | For supported carrier aggregations (CA) see Section 6.1 |
| | 4x4 MIMO | B1, B3, B7, B40, B38 |
| | RX Diversity | all LTE bands |
| | Category | UE Cat. 13 (UL: 150Mbps) + UE Cat. 20 (DL: 2Gbps);<br>7xDL CA, 3xUL CA (Intra-band), 5xDL CA+4X4 MIMO (Up to UE Cat20) |
| | Output Power | 23dBm ±2dB |
| 3G | Bands | Bd.I, Bd.VIII |
| | RX Diversity | all 3G bands |
| | Category | DC-HSPA+ – DL Cat. 24 (42Mbps) / UL Cat. 6 (11Mbps)<br>HSUPA – UL 5.76Mbps<br>Compressed mode (CM) supported according to 3GPP TS25.212 |
| | Output Power | all bands: 24dBm +1.7/-3.7dB |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers (MAX HD2 MBX 5G / MAX HD4 MBX 5G For MV31-W)**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD2 MBX 5G<br>MAX-HD2-MBX-5GD-T<br>MAX HD4 MBX 5G<br>MAX-HD4-MBX-5GD-T<br>Balance 310X<br>Balance 310X 5G<br>BPL-310X-5GD-T<br>MBX Expansion Module<br>Expansion Module with 1x 5G modems<br>EXM-310X-5GD<br>Expansion Module with 4x 5G modems<br>EXM-MBX-T4-5GD<br>Expansion Module with 2x 5G modules<br>EXM-MBX-T2-5GD |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1

**Other Standards Applied**

EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
Draft EN 301 489-19 V2.2.0
Draft EN 301 489-52 V1.1.2
EN 55032: 2015 / A11: 2020
EN 55035: 2017 / A11: 2020
EN 61000-3-2: 2014
EN 61000-3-3: 2013 / A1:2019
EN 62368-1: 2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

## For MAX HD2

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 50 centimeters between the radiator and your body.

## Industry Canada Statement (MAX HD2)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l’appareil ne doit pas produire de brouillage, et
(2) l’utilisateur de l’appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d’en

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.

En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bande 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

### Radiation Exposure Statement

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 37cm between the radiator & your body. 70 cm minimum distance for the device operate with plug-in USB cellular device which has maximum of 7W(ERP) output power.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 37 cm entre le radiateur et votre corps. Distance minimale de 70 cm pour que l'appareil fonctionne avec un appareil cellulaire USB enfichable qui a une puissance de sortie maximale de 7 W (ERP).

### Battery Caution Statement

Risk of explosion if the battery replaced by an incorrect type, place the battery into fire, a hot oven, extremely high temperature or low air pressure surrounding environment, the leakage of flammable liquid or gas, and mechanically crushing or cutting of the battery.

**For WLAN**

| Antenna No. | Brand | Model | Antenna Net Gain(dBi) | Frequency range | Antenna Type | Connecter Type | Cable Length (mm) |
|---|---|---|---|---|---|---|---|
| WAN(2.4G)-1 | SmartAnt | SAA06-220690 | 3 | 2400 ~ 2500 MHz | Dipole | R-SMA | 150 |
| WAN(2.4G)-2 | SmartAnt | SAA06-220690 | 3 | 2400 ~ 2500 MHz | Dipole | R-SMA | 150 |
| AP(5G)-1 | SmartAnt | SAA06-220690 | 5.5 | 5150 ~ 5350 MHz | Dipole | R-SMA | 260 |
| | | | 6 | 5350 ~ 5875 MHz | | | 260 |
| AP(5G)-2 | SmartAnt | SAA06-220690 | 5.5 | 5150 ~ 5350 MHz | Dipole | R-SMA | 260 |
| | | | 6 | 5350 ~ 5875 MHz | | | 260 |

**For GPS**

| Antenna No. | Brand | Model | Antenna Net Gain(dBi) | Frequency range | Antenna Type | Connecter Type |
|---|---|---|---|---|---|---|
| 1 | MASTER WAVE TECHNOLOGY CO., LTD | 98335KSAF000 | 4.5 ±0.5 | 1575.42 MHz | Magnetic | SMA |

**For WWAN(LTE)**

| Antenna No. | Brand | Model | Antenna Net Gain(dBi) | Frequency range | Antenna Type | Connecter Type |
|---|---|---|---|---|---|---|
| Cellular 1 Main | MASTER WAVE TECHNOLOGY CO., LTD | 98619ZSAX025 | 1.99 | 699~960 MHz | Dipole | SMA |
| Cellular 1 Diversity/Aux | | | 4 | 1575~2170 MHz | | |
| Cellular 2 Main | | | 1 | 2300~2320 MHz | | |
| Cellular 1 Diversity/Aux | | | 2.8 | 2325~2690 MHz | | |

## CE Statement for Pepwave Routers ( MAX HD2 For MC7455)

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD2,<br>MAX HD2 LTE,<br>MAX HD2 LTEA<br>Pismo 811AC |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 301 908-1 V11.1.1
Draft EN 301 489-1 V2.2.0
Draft EN 301 489-19 V2.1.0
Draft EN 301 489-52 V1.1.0
Draft EN 301 489-17 V3.2.0
EN 55032:2015 +AC: 2016
EN 61000-3-2: 2014,
EN 61000-3-3: 2013,
EN 55024:2010+A1:2015
EN 62311:2008
EN 60950-1:2006+A11: 2009+A1:2010+A12:2011+A2:2013
EN 303 413 V1.1.1

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.90 dBm**

**5GHz ( 5150 - 5250 MHz ) : 22.88 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| LTE | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| UMTS | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 3 (UMTS 1800 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX HD2 For EM7565)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD2<br>MAX HD1<br>MAX HD2 LTEA<br>MAX HD1 LTEA<br>MAX-HD2-LTEA-K-T<br>MAX-HD1-LTEA-K-T<br>Pepwave MAX HD2<br>Pepwave MAX HD1<br>Pepwave MAX HD2 LTEA<br>Pepwave MAX HD1 LTEA<br>Peplink MAX HD2<br>Peplink MAX HD1<br>Peplink MAX HD2 LTEA<br>Peplink MAX HD1 LTEA<br>Pismo 811AC<br>Pismo 811ac with 4SIMs piggy |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V11.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017 ( Second Edition )

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.86 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.68 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| LTE | | |
| LTE bands 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE bands 7 | Single cell: +22 dBm ± 1 dB<br>UL CA: +22.8 dBm ± 1 dB | 0.8 dB offset for UL CA hardcoded by chipset manufacturer |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

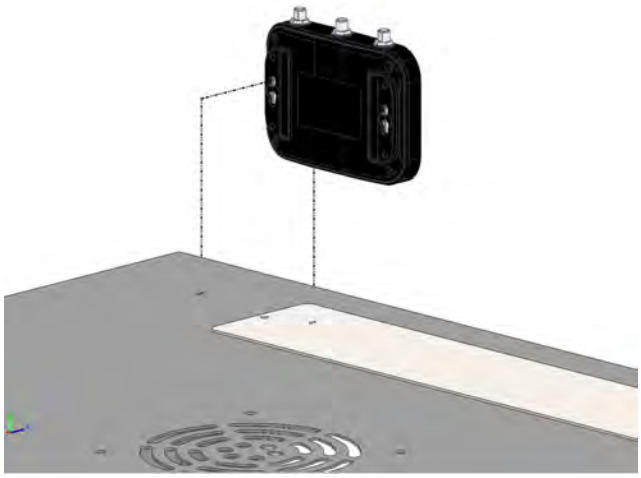
# Mounting the Unit

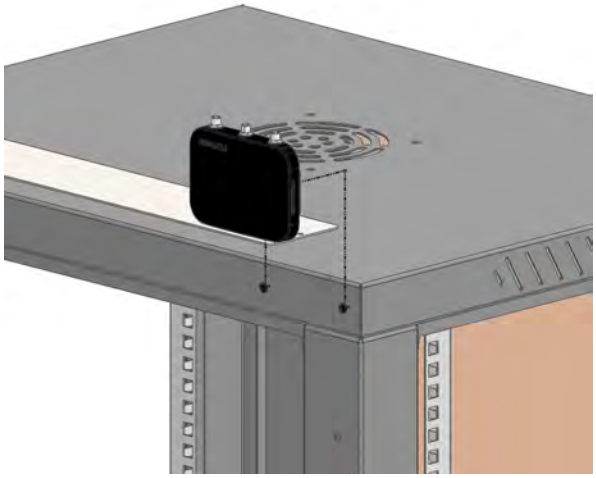
### Wall Mount

Some devices can be wall mounted using screws. After adding the screw on the wall, slide in the screw hole socket as indicated below. Recommended screw specification M3.5 x 20mm, head diameter 6mm, head thickness 2.4mm.

For type 1, the device requires four screws for wall mounting.

For type 2, the device requires two screws for wall mounting.





**( For MAX BR1 Classic CB IEC 62368-1 )**

Output of the external power source shall complied with ES1 and ES2 requirements, output rating 10-30 Vdc, minimum 12W ( DC Jack or POE injector ), with minimum ambient temperature 65 ℃, altitude = 5000m , and evaluated in accordance to UL/EN/IEC 60950-1 and / or UL/EN/IEC 62368-1

Ensure to connect the power cord of power adapter to a socket-outlet with earthing.

**( For MAX BR1 Mini HW3 CB IEC 62368-1 )**

Output of the external power source shall complied with ES1 and PS2 requirements, input rating 10-30 Vdc, maximum 18W ( DC Power Port) or 802.3at PoE, with minimum ambient temperature 65 ℃, altitude = 5000m , and evaluated in accordance to UL/EN/IEC 60950-1 and / or UL/EN/IEC 62368-1.

Ensure to connect the power cord of power adapter to a socket-outlet with earthing.

The MAX BR1 Mini is investigated to IEC TR 62102 as SELV (ES1) circuits and only connected to PoE without routing to the outside plant, including campus environment.

**FCC Requirements for Operation in the United States**

**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 Pro 5G**

FCC 15.21

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 23 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.  End-users and installers must be provide with  antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**Industry Canada Statement ( MAX BR1 Pro 5G )**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes

1. l'appareil ne doit pas produire de brouillage, et

2. l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

compromettre le fonctionnement.Informations concernant l'exposition aux frequences radio (RF)

Cet equipement est conforme avec l'exposition aux radiations IC definies pour un environnement noncontrole.

Cet equipement doit etre installe et utilise a une distance minimum de 23 cm entre le radiateuret votre corps.

Cet emetteur ne doit pas etre co-localisees ou operant en conjonction avec une autreantenne ou transmetteur.

Les utilisateurs finaux et les installateurs doivent etre informes des instructions d'installation de l'antenne et des

conditions de fonctionnement de l'emetteur afin de satisfaire a la conformite d'exposition RF.

This radio transmitter IC 20682-P1AX02 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

antenna type Omni-directional

antenna gain for 2.4GHz 2.44 dBi

antenna gain for 5GHz ( 5150 ~ 5250 MHz ) 4.10 dBi

antenna gain for 5GHz ( 5725 ~ 5850 MHz ) 4.73 dBi

**Battery Caution Statement**

Risk of explosion if the battery replaced by an incorrect type, place the battery into fire, a hot oven, extremely high temperature or low air pressure surrounding environment, the leakage of flammable liquid or gas, and mechanically crushing or cutting of the battery.

**CE Statement for Pepwave Routers ( MAX BR1 Pro 5G)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 5G<br>MAX-BR1-5GD-T<br>MAX BR1 Pro 5G<br>MAX-BR1-PRO-5GD-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 62311 : 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
Draft EN 301 489-19 V2.2.0
Draft EN 301 489-52 V1.1.2
EN 55032: 2015 / A11:2020
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013 / A1:2019
EN 62368-1:2020+A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.74 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.66 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | | |
|---|---|---|
| 5G | Bands | FR1 (Sub 6G):<br>FDD: n28<br>TDD: n78 |
| | Band combinations | For supported E-UTRAN New Radio Dual Connectivity (EN-DC) see Section 6.2 |
| | 4x4 MIMO | n78 |
| | DSS | n28 |
| | Category | 3GPP Rel 15 |
| | Output Power | FR1 (Sub 6G):<br>n78: 26dBm +2/-3dB<br>all other bands: 23dBm ±2dB |
| 4G | Bands | FDD: B1, B3, B7, B8, B20, B28<br><br>TDD: B38, B40 |
| | Band combinations | For supported carrier aggregations (CA) see Section 6.1 |
| | 4x4 MIMO | B1, B3, B7, B38 |
| | RX Diversity | all LTE bands |
| | Category | UE Cat. 13 (UL: 150Mbps) + UE Cat. 20 (DL: 2Gbps);<br>7xDL CA, 3xUL CA (Intra-band), 5xDL CA+4X4 MIMO (Up to UE Cat20) |
| | Output Power | all bands: 23dBm ±2dB |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX BR1 Pro 5G)**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 5G<br>MAX-BR1-5GD-T<br>MAX BR1 Pro 5G<br>MAX-BR1-PRO-5GD-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1

**Other Standards Applied**
EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
Draft EN 301 489-19 V2.2.0
Draft EN 301 489-52 V1.1.2
EN 55032: 2015 + A11:2020
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**CE Statement for Pepwave Routers ( MAX BR1 Pro LTEA for EM7690)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPLINK PEPWAVE Wireless Product |
| Model name of the appliance | MAX BR1 Pro LTEA<br>MAX-BR1-PRO-GLTE-S-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 62311 : 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
Draft EN 301 489-19 V2.2.0
EN 301 489-52 V1.2.1
EN 55032: 2015 + A11:2020
EN 55035: 2017
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2014
EN 61000-3-2: 2019+A1:2021
EN 61000-3-3: 2013
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020+A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 – 2472 MHz ) : 19.74 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.66 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| **LTE** | | |
| LTE bands 1, 3 | 22.5 dBm ± 1 dB | |
| LTE bands 7, 38, 40 | 22 dBm ± 1 dB | |
| LTE bands 8, 20, 28 | 23 dBm ± 1 dB | |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX BR1 Pro LTEA for EM7690)**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPLINK PEPWAVE Wireless Product |
| Model name of the appliance | MAX BR1 Pro LTEA<br>MAX-BR1-PRO-GLTE-S-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1

**Other Standards Applied**

EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A11:2020
EN 55035: 2017
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2014
EN 61000-3-2: 2019 + A1:2021
EN 61000-3-3: 2013
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**FCC Requirements for Operation in the United States**

**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 Mini Core**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference and
(2) this device must accept any interference received, including interference that may cause undesired operation.

**Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

**Industry Canada Statement ( MAX BR1 Mini Core )**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le present produit est conforme aux specifications techniques applicables a l'innovation, Science et Developpement economique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

**Radiation Exposure Statement**

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 Mini HW3 (FCC ID: U8G-P1MT01)**

**Federal Communication Commission Interference Statement**

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference and
(2) this device must accept any interference received, including interference that may cause undesired operation.

**Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

**Industry Canada Statement (MAX BR1 Mini, IC: 20682-P1MT01)**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex-empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potent for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; (detachable antenna only) ; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(iii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii)Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.

En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

(iii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation

point à point et non point à point.

**Radiation Exposure Statement**

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet appareil doit être installé et utilisé avec une distance minimale de 20cm entre l'émetteuret votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

This radio transmitter IC: 20682-P1MT01 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

WIFI Antenna type: Omni-directional
WIFI Antenna gain: 2.4GHz / 3.15 dBi
5150 ~ 5250 MHz / 3.29 dBi
5725 ~ 5850 MHz / 4.76 dBi

Cet émetteur radio IC : 20682-P1MT01 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes répertoriés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antenne non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

Type d'antenne WIFI : omnidirectionnelle
Gain de l'antenne Wi-Fi : 2.4 GHz / 3.15 dBi
5150 ~ 5250 MHz / 3.29 dBi
5725 ~ 5850 MHz / 4.76 dBi

**CE Statement for Pepwave Routers ( MAX BR1 Mini HW3 for EC25-E & LN920A6-WW )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Peplink Pepwave Wireless Product |
| Model name of the appliance | MAX BR1 Mini<br>MAX-BR1-MINI-LTE-E-T-PRM<br>MAX-BR1-MINI-LTEA-B-T-PRM<br>MAX-BR1-MINI-LTE-E-DC-T-PRM<br>MAX-BR1-MINI-LTEA-B-DC-T-PRM |
| Trade name of the appliance | peplink<br>PEPWAVE |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.2.1
EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A11:2020
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2019 + A1:2021
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.95 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.65 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

**EC25-E module:**

| | |
|---|---|
| Output Power | Class 3 (23dBm±2dB) for LTE FDD<br>Class 3 (23dBm±2dB) for LTE TDD<br>Class 3 (24dBm +1/-3dB) for TD-SCDMA<br>Class 3 (24dBm +1/-3dB) for UMTS<br>Class E2 (27dBm ±3dB) for EDGE 850/900MHz<br>Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz<br>Class 4 (33dBm ±2dB) for GSM 850/900MHz<br>Class 1 (30dBm ±2dB) for GSM 1800/1900MHz |

**LN920A6-WW module:**

| Band | Power class |
|---|---|
| 3G WCDMA | Class 3 (0.2W) |
| LTE All Bands (except B41) | Class 3 (0.2W) |
| LTE Band41 (HPUE support) | Class 2 (0.4W) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX BR1 Mini HW3 for EC25-E & LN920A6-WW )**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Peplink Pepwave Wireless Product |
| Model name of the appliance | MAX BR1 Mini<br>MAX-BR1-MINI-LTE-E-T-PRM<br>MAX-BR1-MINI-LTEA-B-T-PRM<br>MAX-BR1-MINI-LTE-E-DC-T-PRM<br>MAX-BR1-MINI-LTEA-B-DC-T-PRM |
| Trade name of the appliance | peplink<br>PEPWAVE |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.2.1

**Other Standards Applied**

EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A11:2020
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2019 + A1:2021
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**NCC statement**

**For MAX BR1 Mini (HW3)**

減少電磁波影響，請妥適使用。

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前述合法通信，指依電信管理法規定作業之無線電通信。
低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

高增益指向性天線只得應用於固定式點對點系統。

電波功率密度 MPE標準值: 0.9 mW/cm2，送測產品實測值: 0.118 mW/cm2，建議使用時設備天線至少距離人體20公分。

分頻雙工(FDD)：
本設備- WCDMA 2100 (Band 1) FDD支援LTE上行1920MHz -1980MHz \ 下行2110MHz -2170MHz。
本設備- WCDMA 900 (Band 8) FDD支援LTE上行1885MHz -915MHz \ 下行930MHz -960MHz。
本設備- LTE 2100 (Band 1) FDD支援LTE上行1920MHz -1980MHz \ 下行2110MHz -2170MHz。
本設備- LTE 1800 (Band 3) FDD支援LTE上行1710MHz -1770MHz \ 下行1805MHz -1865MHz。
本設備- LTE 2600 (Band 7) FDD支援LTE上行2500MHz ~ 2570MHz \ 下行2620MHz ~ 2690MHz。
本設備- LTE 900 (Band 8) FDD支援LTE上行885MHz -915MHz \ 下行930MHz -960MHz。
本設備- LTE 700 (Band 28) FDD支援LTE上行703MHz -748MHz \ 下行758MHz -803MHz。

分時雙工(TDD)：
本設備- LTE 2600 (Band 38) TDD支援頻段(2570MHz ~ 2620MHz)。
本設備- LTE 2600 (Band 41) TDD支援頻段(2500MHz ~ 2690MHz)。

為避免電磁干擾，本產品不應安裝或使用於住宅環境。

如果更換不正確之電池型式會有爆炸的風險，請依製造商說明書處理用過之電池。

## FCC Requirements for Operation in the United States

## Federal Communications Commission (FCC) Compliance Notice:

### For MAX 700

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 22 centimeters between the radiator and your body.

**For MAX HD2 IP67, MAX HD2 Mini, MAX HD2 Dome, MAX HD4 IP67, MAX**

**BR1 ENT, MAX BR1 M2M, SpeedFusion Engine**

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

### Industry Canada Statement (MAX HD2 IP67, MAX HD2 Mini, MAX HD2 Dome, MAX HD4 IP67, MAX BR1 ENT, MAX BR1 M2M, SpeedFusion Engine)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le present produit est conforme aux specifications techniques applicables d'Innovation, Sciences et Developpement economique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l’appareil ne doit pas produire de brouillage, et
(2) l’utilisateur de l’appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d’en

### Radiation Exposure Statement

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.

### Battery Caution Statement (MAX HD2 IP67, MAX HD2 Mini, MAX HD1 Dome, MAX HD2 Dome, MAX HD4 IP67, MAX BR1 ENT)

Risk of explosion if the battery replaced by an incorrect type, place the battery into fire, a hot oven, extremely high temperature or low air pressure surrounding environment, the leakage of flammable liquid or gas, and mechanically crushing or cutting of the battery.

**CE Statement for Pepwave Routers ( MAX HD2 IP67 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

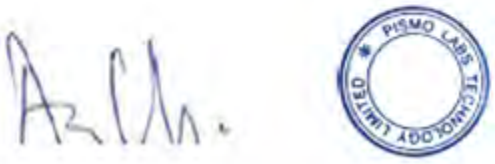
| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX HD2 IP67<br>HD2 IP67<br>MAX HD2 LTEA IP67<br>OM2<br>Pismo 807<br>MAX-HD2-M-LTEA-W-RM-IP67<br>MAX HD2 LTE IP67<br>Pepwave MAX HD2 IP67 |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V11.1.1
EN 303 413 V1.1.1
Draft ETSI EN 301 489-1 V2.2.0
Draft ETSI EN 301 489-52 V1.1.0
ETSI EN 301 489-19 V2.1.1
EN 55032: 2015 + AC:2016
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55035 : 2017
EN 62311 : 2008
EN 62368-1:2014+A11:2017

Yours sincerely,




Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 3 (UMTS 1800 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX HD1 Dome )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | Pepwave MAX HD1 Dome<br>MAX HD1 Dome<br>MAX HD1 Dome LTEA<br>Pepwave MAX HD1 Dome LTEA<br>MAX-HD1-DOM-M-GLTE-G |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + A11:2020
EN 55035: 2017
EN 61000-3-2: 2019
EN 61000-3-3:2013 +A1:2019
EN 62368-1:2014 + A11:2017 (Second Edition)
IEC 60950-22(ed.2)

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| Band | Power class |
|---|---|
| 3G WCDMA | Class 3 (0.2W) |
| LTE All Bands | Class 3 (0.2W) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX HD1 Dome )**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | Pepwave MAX HD1 Dome<br>MAX HD1 Dome<br>MAX HD1 Dome LTEA<br>Pepwave MAX HD1 Dome LTEA<br>MAX-HD1-DOM-M-GLTE-G |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V13.1.1
EN 303 413 V1.1.1

**Other Standards Applied**

EN 62311: 2008
EN 301 489-1 V2.2.3
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + A11:2020
EN 55035: 2017
EN 61000-3-2: 2019
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2014 + A11:2017 (Second Edition)
IEC 60950-22(ed.2)

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**CE Statement for Pepwave Routers ( MAX HD2 Dome )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | Pepwave MAX HD1 Dome<br>MAX HD1 Dome<br>Peplink MAX HD1 Dome<br>MAX HD1 Dome LTEA<br>Pepwave MAX HD1 Dome LTEA<br>Peplink MAX HD1 Dome LTEA<br>MAX HD2 Dome<br>Pepwave MAX HD2 Dome<br>Peplink MAX HD2 Dome<br>MAX HD2 Dome LTEA<br>MAX-HD2-DOM-M-LTEA-K<br>Peplink MAX HD2 Dome LTEA<br>Pepwave MAX HD2 Dome LTEA<br>Pismo825 |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2019
EN 61000-3-3: 2019
EN 62368-1:2014 + A11:2017
IEC 60950-22(ed.2)

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| LTE | | |
| LTE bands 1,3,8,20,28 | +23 dBm ± 1 dB | |
| LTE bands 7 | Single cell: +22 dBm ± 1 dB<br>UL CA: +22.8 dBm ± 1 dB | 0.8 dB offset for UL CA hardcoded by chipset manufacturer |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX BR1 ESN )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 ESN<br>MAX BR1 ESN LTEA<br>Pepwave MAX BR1 ESN<br>Pepwave MAX BR1 ESN LTEA<br>Peplink MAX BR1 ESN<br>Peplink MAX BR1 ESN LTEA<br>MAX-BR1-ESN-LTEA-K-T |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V11.1.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 62311 : 2008
EN 301 489-1 V2.2.3
Draft EN 301 489-17 V3.2.0
EN 301 489-19 V2.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 55035: 2017
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2014 + A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.78 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| LTE | | |
| LTE bands 1,3,20 | +23 dBm ± 1 dB | |
| LTE bands 7 | Single cell: +22 dBm ± 1 dB<br>UL CA: +22.8 dBm ± 1 dB | 0.8 dB offset for UL CA hardcoded by chipset manufacturer |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

## FCC Requirements for Operation in the United States

## Federal Communications Commission (FCC) Compliance Notice:

## For MAX HD4

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 40 centimeters between the radiator and your body.

## Industry Canada Statement (MAX HD4)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le present produit est conforme aux specifications techniques applicables d'Innovation, Sciences et Developpement economique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired opera- tion of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex- empts de licence. L'exploitation est autorisee aux deux conditions suivantes

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

(i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est reserve uniquement pour une utilisation a l'interieur afin de reduire les risques de brouillage prejudiciable aux systemes de satellites mobiles utilisant les memes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer a la limitation P.I.R.E specifiee pour l'exploitation point a point et non point a point, selon le cas.

En outre, les utilisateurs devraient aussi etre avises que les utilisateurs de radars de haute puissance sont designes utilisateurs principaux (c.-a-d., qu'ils ont la priorite) pour les bande 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

**Radiation Exposure Statement**

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 40cm between the radiator & your body.

Cet equipement est conforme avec l'exposition aux radiations ISED definies pour un environnement non controle. Cet equipement doit etre installe et utilise a une distance minimum de 40 cm entre le radiateur et votre corps.

**Battery Caution Statement (MAX HD4)**

Risk of explosion if the battery replaced by an incorrect type, place the battery into fire, a hot oven, extremely high temperature or low air pressure surrounding environment, the leakage of flammable liquid or gas, and mechanically crushing or cutting of the battery.

**CE Statement for Pepwave Routers ( MAX HD4 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Pepwave / Peplink / Pismo Wireless Product |
| Model name of the appliance | MAX HD4,<br>MAX HD4 LTE,<br>MAX HD4 LTEA<br>PISMO803AC |
| Trade name of the appliance | Pepwave / Peplink / Pismo |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.1.1
EN 301 893 V2.1.1
EN 301908-1 V11.1.1
EN 300 440 V2.1.1
EN 303 413 V1.1.1
EN 301 489-1 V2.1.1
Final Draft EN 301 489-3 V2.1.1
EN 301 489-17 V3.1.1
Draft EN 301 489-52 V1.1.0
EN 55032:2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55024:2010+A1:2015
EN 50385:2017
EN 60950-1:2006+A11: 2009+A1:2010+A12:2011+A2:2013

Yours sincerely,

Keith Chau
General Manager
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 18.87 dBm**
**5GHz ( 5150 - 5250 MHz & 5725 - 5850 MHz ) : 19.13 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX HD4 IP67 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | Pismo Labs Technology Limited |
| Contact information of the manufacturer | Unit A5, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Pepwave / Peplink / Pismo Wireless Product |
| Model name of the appliance | MAX HD4 IP67,<br>MAX HD4 LTE IP67,<br>MAX HD4 LTEA IP67 |
| Trade name of the appliance | Pepwave / Peplink / Pismo |

The construction of the appliance is in accordance with the following standards:

EN 301908-1 V11.1.1
EN 303 413 V1.1.1
EN 301 489-1 V2.1.1
EN 301 489-19 V2.1.0
EN 301 489-52 V1.1.0
EN 55032:2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55024:2010+A1:2015
EN 50385:2017
EN 60950-1:2006+A11: 2009+A1:2010+A12:2011+A2:2013

Yours sincerely,


Keith Chau
General Manager
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| LTE | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| UMTS | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( SpeedFusion Engine )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Pepwave / Peplink / Pismo Labs Wireless Product |
| Model name of the appliance | SpeedFusion Engine,<br>SpeedFusion Engine ET,<br>SpeedFusion Engine ST |
| Trade name of the appliance | Pepwave / Peplink / Pismo |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V11.1.1
EN 303 413 V1.1.1
Draft EN 301 489-1 V2.2.0
Draft EN 301 489-19 V2.1.0
Draft EN 301 489-52 V1.1.0
EN 62311:2008
EN 60950-1:2006 +A11: 2009+A1:2010+A12:2011+A2:2013

Yours sincerely,


Keith Chau
General Manager
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

**MC7455 module:**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

**EC25-E module:**

| | |
|---|---|
| **Output Power** | Class 3 (23dBm±2dB) for LTE FDD<br>Class 3 (23dBm±2dB) for LTE TDD<br>Class 3 (24dBm +1/-3dB) for TD-SCDMA<br>Class 3 (24dBm +1/-3dB) for UMTS<br>Class E2 (27dBm ±3dB) for EDGE 850/900MHz<br>Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz<br>Class 4 (33dBm ±2dB) for GSM 850/900MHz<br>Class 1 (30dBm ±2dB) for GSM 1800/1900MHz |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

**contact as: https://www.peplink.com/**

## FCC Requirements for Operation in the United States

### Federal Communications Commission (FCC) Compliance Notice:

### For MAX Transit, MAX Transit Duo

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 24 centimeters between the radiator and your body.

### Industry Canada Statement (MAX Transit, MAX Transit Duo)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le present produit est conforme aux specifications techniques applicables d'Innovation, Sciences et

Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired opera- tion of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex- empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l’appareil ne doit pas produire de brouillage, et

(2) l’utilisateur de l’appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d’en

(i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est reserve uniquement pour une utilisation a l'interieur afin de reduire les risques de brouillage prejudiciable aux systemes de satellites mobiles utilisant les memes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer a la limitation P.I.R.E specifiee pour l'exploitation point a point et non point a point, selon le cas.

En outre, les utilisateurs devraient aussi etre avises que les utilisateurs de radars de haute puissance sont designes utilisateurs principaux (c.-a-d., qu'ils ont la priorite) pour les bande 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

### Radiation Exposure Statement

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 30cm between the radiator & your body.

Cet equipement est conforme avec l'exposition aux radiations ISED definies pour un environnement non controle. Cet equipement doit etre installe et utilise a une distance minimum de 30 cm entre le radiateur et votre corps.

### Battery Caution Statement

Risk of explosion if the battery replaced by an incorrect type, place the battery into fire, a hot oven, extremely high temperature or low air pressure surrounding environment, the leakage of flammable liquid or gas, and mechanically crushing or cutting of the battery.

**CE Statement for Pepwave Routers ( MAX Transit / MAX Transit Duo For EM7565 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX Transit<br>MAX-TST-LTEA-K-T<br>MAX-TST-LTEA-K-T-PRM<br>MAX Transit LTEA<br>Pepwave MAX Transit<br>Pepwave MAX Transit LTEA<br>MAX Transit Duo<br>MAX Transit Duo LTEA<br>MAX-TST-DUO-LTEA-K-T<br>MAX-TST-DUO-LTEA-K-T-PRM<br>Pepwave MAX Transit Duo<br>Pepwave MAX Transit Duo LTEA |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 301 908-1 V13.1.1
EN 301 489-1 V2.2.3
EN 301 489-19 V2.1.1
EN 301 489-17 V3.1.1
Draft EN 301 489-52 V1.1.0
EN 55032 : 2015 / AC : 2016
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55035 : 2017
EN 62311 : 2008
EN 62368-1:2014+A11:2017 (Second Edition)
EN 303 413 V1.1.1

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 18.68 dBm**
**5GHz ( 5150 - 5250 MHz ) : 18.19 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| LTE | | |
| LTE bands 1,3,8,20,28 | +23 dBm ± 1 dB | |
| LTE bands 7 | Single cell: +22 dBm ± 1 dB<br>UL CA: +22.8 dBm ± 1 dB | 0.8 dB offset for UL CA hardcoded by chipset manufacturer |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX Transit For LM960A18 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX Transit<br>Pepwave MAX Transit<br>MAX-TST-GLTE-G-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 301 908-1 V13.1.1
EN 301 489-1 V2.2.3
EN 301 489-19 V2.1.1
EN 301 489-17 V3.1.1
Draft EN 301 489-52 V1.1.0
EN 55032 : 2015 + AC : 2016
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55035 : 2017
EN 62311 : 2008
EN 62368-1:2014+A11:2017 (Second Edition)
EN 303 413 V1.1.1

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 18.68 dBm**
**5GHz ( 5150 - 5250 MHz ) : 18.19 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| Band | Power class |
|---|---|
| 3G WCDMA | Class 3 (0.2W) |
| LTE All Bands | Class 3 (0.2W) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

## FCC Requirements for Operation in the United States
## Federal Communications Commission (FCC) Compliance Notice:

### For MAX Transit Mini

#### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

#### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

### Industry Canada Statement (MAX Transit Mini)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Ce produit répond aux spécifications techniques applicables à l'innovation, Science et Développement économique Canada.

#### Radiation Exposure Statement

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps.

This radio transmitter has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna types Replacement Antenna
Antenna gain (in dBi) 5.33 dBi

Innovation, Sciences et Developpement economique Canada a approuve l'utilisation de ce transmetteur radio avec les types d'antenne enumeres ci-dessous, le gain maximal admissible etant indique. Les types d'antennes non inclus dans cette liste qui ont un gain superieur au gain maximal indique pour tout type liste sont strictement interdits pour une utilisation avec cet appareil.

Types d'antennes Replacement Antenna
Gain d'antenne (en dBi) 5.33 dBi

**CE Statement for Pepwave Routers ( MAX Transit Mini )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building<br>Phase 6, 481 Castle Peak Road<br>Cheung Sha Wan Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX Transit Mini<br>MAX TST Mini<br>MAX-TST-MINI-LTE-E-T<br>MAX TST MINI LTE<br>MAX Transit Mini LTE<br>Pismo930 Lite<br>MAX Transit Mini Lte<br>MAX-Transit-Mini<br>Max Transit Mini LTE<br>Pismo930LITER5<br>Pismo 930LITER5<br>Max transit mini<br>MAX Transit Mini LTEA<br>MAX-TST-MINI-LTEA-W-T |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.2.2
EN 303 413 V1.1.1
EN 301908-1 V11.1.1
Draft EN 301 489-1 V2.2.1
Draft EN 301 489-17 V3.2.0
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016-07
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55035 : 2017
EN 62311 : 2008
EN 62368-1:2014/A11:2017
EN 301 489-19 V2.1.1

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.78 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | |
|---|---|
| Output Power | Class 3 (23dBm±2dB) for LTE FDD<br>Class 3 (23dBm±2dB) for LTE TDD<br>Class 3 (24dBm +1/-3dB) for TD-SCDMA<br>Class 3 (24dBm +1/-3dB) for UMTS<br>Class E2 (27dBm ±3dB) for EDGE 850/900MHz<br>Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz<br>Class 4 (33dBm ±2dB) for GSM 850/900MHz<br>Class 1 (30dBm ±2dB) for GSM 1800/1900MHz |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator & your body.

**contact as: https://www.peplink.com/**

## FCC Requirements for Operation in the United States
## Federal Communications Commission (FCC) Compliance Notice:

### For MAX BR1 PRO, UBR LTE

#### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

#### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 23 centimeters between the radiator and your body.

### Industry Canada Statement (MAX BR1 PRO, UBR LTE)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired opera- tion of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex- empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l’appareil ne doit pas produire de brouillage, et

(2) l’utilisateur de l’appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d’en

For licence exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter 20682-P1941 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

WIFI Antenna type: Replacement Antenna
WIFI Antenna gain: 2.4GHz I 2.44 dBi , 5GHz I 4.73 dBi
LTE Antenna type: Replacement Antenna (04-410055-00)
LTE Antenna gain: 4 dBi
LTE Antenna type: Replacement Antenna (04-410093-01)
LTE Antenna gain: 4.38 dBi

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potent for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; (detachable antenna only) ; and
The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(iii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est reserve uniquement pour utilisation a l'interieur afin de reduire les risques de brouillage prejudiciable aux systemes de satellites mobiles utilisant les memes canaux;

(ii) Le gain maximal d’antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l’exploitation point à point et non point à point, selon le cas. (antenne détachable uniquement)

En outre, les utilisateurs devraient aussi etre avises que les utilisateurs de radars de haute puissance sont designes utilisateurs principaux (c.-a-d., qu'ils ont la priorite) pour les bande 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

(iii) En outre, les utilisateurs devraient aussi etre avises que les utilisateurs de radars de haute puissance sont designes utilisateurs principaux (c.-a-d., qu'ils ont la priorite) pour les bande 5725-5850 MHz et

**Radiation Exposure Statement**

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 23 cm between the radiator & your body.

Cet equipement est conforme avec l'exposition aux radiations ISED definies pour un environnement non controle. Cet equipement doit etre installe et utilise a une distance minimum de 23 cm entre le radiateur et votre corps.

**CE Statement for Pepwave Routers ( MAX BR1 PRO / UBR LTE )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial Building<br>Phase 6, 481 Castle Peak Road<br>Cheung Sha Wan Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | UBR<br>UBR LTE<br>UBR-LTE<br>UBR-LTE-E-T-PRM<br>UBR-LTE-E-T<br>MAX UBR LTE<br>MAX UBR<br>MAX BR1 Pro<br>MAX BR2 Pro<br>BR2 PRO<br>MAX BR2 Pro LTE<br>Pismo 941<br>MAX-CX2-Mini<br>MAX CX2 Mini<br>MAX-BR2-PRO-LTE-E-T<br>MAX-BR1-PRO-LTE-E-T<br>CX2 Mini<br>MAX BR1 Pro LTE |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 300 328 V2.1.1
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 301 908-1 V11.1.1
EN 301 489-1 V2.1.1
EN 301 489-19 V2.1.1
EN 301 489-17 V3.1.1
Draft EN 301 489-52 V1.1.0
EN 55032: 2015 + AC:2016
EN 61000-3-3: 2013
EN 61000-3-2: 2014
EN 55035 : 2017
EN 62311 : 2008
EN 62368-1:2014/A11:2017

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.94 dBm**
**5GHz ( 5150 - 5250 MHz ) : 20.34 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | |
|---|---|
| Output Power | Class 3 (23dBm±2dB) for LTE FDD<br>Class 3 (23dBm±2dB) for LTE TDD<br>Class 3 (24dBm +1/-3dB) for TD-SCDMA<br>Class 3 (24dBm +1/-3dB) for UMTS<br>Class E2 (27dBm ±3dB) for EDGE 850/900MHz<br>Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz<br>Class 4 (33dBm ±2dB) for GSM 850/900MHz<br>Class 1 (30dBm ±2dB) for GSM 1800/1900MHz |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR1 IP55, MAX BR2 IP55**

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

### Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

**CE Statement for Pepwave Routers ( MAX BR1 IP55 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR1 IP55<br>MAX BR1 LTE IP55<br>MAX BR1 LTEA IP55 |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 55032:2015
EN 55024:2010+A1:2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013
Draft EN 301 489-1 V2.2.0
Draft EN 301 489-17 V3.2.0
Draft EN 301 489-52 V1.1.0
EN 300 328 V2.1.1
EN 301 893 V2.1.1
EN 301 908-1 V11.1.1
EN 300 440 V2.1.1
EN 62311: 2008
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Yours sincerely,

Keith Chau
General Manager
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 18.16 dBm**
**5GHz ( 5150 - 5250 MHz) : 20.32 dBm**
**5GHz ( 5725 - 5850 MHz) : 13.00 dBm**
**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 50cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**CE Statement for Pepwave Routers ( MAX BR2 IP55 )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | Pismo Labs Technology Limited |
| Contact information of the manufacturer | Unit A5, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | Pepwave / Peplink / Pismo Wireless Product |
| Model name of the appliance | MAX BR2 IP55,<br>MAX BR2 LTE IP55 |
| Trade name of the appliance | Pepwave / Peplink / Pismo |

The construction of the appliance is in accordance with the following standards:

EN 55032:2015
EN 55024:2010+A1:2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 301 489-1 V2.2.0
EN 301 489-17 V3.2.0
EN 301 489-52 V1.1.0
EN 300 328 V2.1.1
EN 301 893 V2.1.1
EN 301 908-1 V11.1.1
EN 300 440 V2.1.1
EN 62311: 2008
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Yours sincerely,

Keith Chau
General Manager
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 18.99 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.95 dBm**
**5GHz ( 5725 - 5850 MHz ) : 12.80 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 4-6: Conducted Tx (Transmit) Power Tolerances

| Parameter | Conducted transmit power | Notes |
|---|---|---|
| **LTE** | | |
| LTE Band 1,3,8,20 | +23 dBm ± 1 dB | |
| LTE Band 7 | +22 dBm ± 1 dB | |
| **UMTS** | | |
| Band 1 (IMT 2100 12.2 kbps)<br>Band 8 (UMTS 900 12.2 kbps) | +23 dBm ± 1 dB | Connectorized (Class 3) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 50cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX Transit Pro E / MAX Transit LTEA (FCC ID: U8G-P1835)**

**FCC 15.21:**

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

**FCC 15.105**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**RF exposure warning**

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

**ICES Statement**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisee aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et

2. l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

**RF exposure warning**

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être colocalisées ou opérant en conjonction avec une autre antenne ou transmetteur.

This radio transmitter IC: 20682-P1835 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

| **Antenna Type** | WLAN: Omni-directional Antenna | |
|---|---|---|
| **Antenna information** | | |
| **2400 MHz ~ 2483.5 MHz** | Peak Gain (dBi) | <Ant. 0>: 2.44<br><Ant. 1>: 2.44 |

| **Antenna Type** | WLAN: Omni-directional Antenna | |
|---|---|---|
| **Antenna information** | | |
| **5150 MHz ~ 5250 MHz** | Peak Gain (dBi) | <Ant. 0>: 4.10<br><Ant. 1>: 4.10 |
| **5250 MHz ~ 5350 MHz** | Peak Gain (dBi) | <Ant. 0>: 4.41<br><Ant. 1>: 4.41 |
| **5470 MHz ~ 5725 MHz** | Peak Gain (dBi) | <Ant. 0>: 4.41<br><Ant. 1>: 4.41 |

| **Antenna Type** | WLAN: Omni-directional Antenna | |
|---|---|---|
| **Antenna information** | | |
| **5725 MHz ~ 5850 MHz** | Peak Gain (dBi) | <Ant. 0>: 4.73<br><Ant. 1>: 4.73 |

Cet émetteur radio IC : 20682-P1835 a été approuvé par Innovation, Sciences et Développement économique Canada doit fonctionner avec les types d'antennes énumérés ci-dessous, avec le gain maximal admissible indiqué. Les types d'antenne non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

| **Type d'antenne** | WLAN: Omni-directionnelle Antenne | |
|---|---|---|
| **Informations sur l'antenne** | | |
| **2400 MHz ~ 2483.5 MHz** | Gain de crête(dBi) | <Ant. 0>: 2.44<br><Ant. 1>: 2.44 |

| **Type d'antenne** | WLAN: Omni-directionnelle Antenne | |
|---|---|---|
| **Informations sur l'antenne** | | |
| **5150 MHz ~ 5250 MHz** | Gain de crête(dBi) | <Ant. 0>: 4.10<br><Ant. 1>: 4.10 |
| **5250 MHz ~ 5350 MHz** | Gain de crête(dBi) | <Ant. 0>: 4.41<br><Ant. 1>: 4.41 |
| **5470 MHz ~ 5725 MHz** | Gain de crête(dBi) | <Ant. 0>: 4.41<br><Ant. 1>: 4.41 |

| **Type d'antenne** | WLAN: Omni-directionnelle Antenne | |
|---|---|---|
| **Informations sur l'antenne** | | |
| **5725 MHz ~ 5850 MHz** | Gain de crête(dBi) | <Ant. 0>: 4.73<br><Ant. 1>: 4.73 |

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX Transit Pro E (FCC ID: U8G-P1AX09)**

**Federal Communication Commission Interference Statement**

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference and
(2) this device must accept any interference received, including interference that may cause undesired operation.

**Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

**Industry Canada Statement (MAX Transit Pro E, IC: 20682-P1AX09)**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex-empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potent for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; (detachable antenna only) ; and

The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(iii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.

En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

(iii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation

point à point et non point à point.

**Radiation Exposure Statement**

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet appareil doit être installé et utilisé avec une distance minimale de 20cm entre l'émetteuret votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

This radio transmitter IC: 20682-P1AX09 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

WIFI Antenna type: Omni-directional
WIFI Antenna gain: 2.4GHz / 2.44 dBi
5150 ~ 5250 MHz / 4.10 dBi
5725 ~ 5850 MHz / 4.73 dBi

Cet émetteur radio IC : 20682-P1AX09 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes répertoriés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antenne non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

Type d'antenne WIFI : omnidirectionnelle
Gain de l'antenne Wi-Fi : 2.4 GHz / 2.44 dBi
5150 ~ 5250 MHz / 4.10 dBi
5725 ~ 5850 MHz / 4.73 dBi

**CE Statement for Pepwave Routers ( MAX Transit Pro E  for LN920A12-WW)**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPLINK PEPWAVE Wireless Product |
| Model name of the appliance | MAX Transit Pro E<br>MAX-TST-PROE-DUO-LTEA-Q-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.2.1
EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A1:2020
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2020 + A11:2020

Yours sincerely,

Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.97 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.99 dBm**

**LN920A12-WW: WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| Band | Power class |
|---|---|
| 3G WCDMA | Class 3 (0.2W) |
| LTE All Bands (except B41) | Class 3 (0.2W) |
| LTE Band41 (HPUE support) | Class 2 (0.4W) |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX Transit Duo Pro**

**Federal Communication Commission Interference Statement**

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference and
(2) this device must accept any interference received, including interference that may cause undesired operation.

**Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

**Industry Canada Statement (MAX Transit Duo Pro)**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation,

Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex-empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potent for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; (detachable antenna only) ; and
The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(iii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas.
En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

(iii) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation

point à point et non point à point.

**Radiation Exposure Statement**

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet appareil doit être installé et utilisé avec une distance minimale de 20cm entre l'émetteuret votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

This radio transmitter IC: 20682-P1AX11 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

WIFI Antenna type: Omni-directional
WIFI Antenna gain: 2.4GHz / 2.44 dBi
5150 ~ 5250 MHz / 4.1 dBi
5725 ~ 5850 MHz / 4.73 dBi

Cet émetteur radio IC : 20682-P1AX11 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes répertoriés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antenne non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

Type d'antenne WIFI : omnidirectionnelle
Gain de l'antenne Wi-Fi : 2.4 GHz / 2.44 dBi
5150 ~ 5250 MHz / 4.1 dBi
5725 ~ 5850 MHz / 4.73 dBi

**CE Statement for Pepwave Routers ( MAX Transit Duo Pro for EM7421 & EM12-G )**

# DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

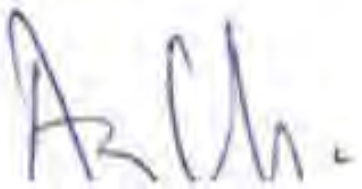
| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX Transit Duo Pro<br>MAX Transit Pro<br>MAX-TST-PRO-DUO-LTEA-E-T-PRM<br>MAX-TST-PRO-DUO-LTEA-D-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V13.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1
EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A11:2020
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2019 + A1:2021
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,



Antony Chong
Director of Hardware Engineering
Peplink International Limited

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.74 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.88 dBm**

**EM7421: WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Table 3-6: Conducted Tx (Transmit) Power Tolerances

| Bands | Conducted Tx power | Notes |
|---|---|---|
| LTE | | |
| LTE bands 1, 3 | 22.5 dBm ± 1 dB | |
| LTE bands 7, 38, 40, 42, 43 | 22 dBm ± 1 dB | |
| LTE bands 8, 20, 28 | 23 dBm ± 1 dB | |
| UMTS | | |
| Band 1 (IMT 2100 12.2 kbps) | 23 dBm ± 1 dB | Connectorized (Class 3) |
| Band 8 (UMTS 900 12.2 kbps) | 23 dBm ± 1 dB | |

**EM12-G: WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

Class 3 (23 dBm ±2 dB) for LTE FDD Bands
Class 3 (23 dBm ±2 dB) for LTE TDD Bands
Class 3 (24 dBm +1/-3 dB) for WCDMA Bands

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

**UK Statement for Pepwave Routers ( MAX Transit Duo Pro for EM7421 & EM12-G )**

# UK DECLARATION OF CONFORMITY

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Ind. Bldg., Phase 6,<br>481 Castle Peak Road, Cheung Sha Wan,<br>Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX Transit Pro<br>MAX-TST-PRO-DUO-LTEA-E-T-PRM<br>MAX-TST-PRO-DUO-LTEA-D-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

**UK legislation**

Radio Equipment Regulations 2017

**UK Designed Standard**

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.1.1

**Other Standards Applied**

EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A11:2020
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2019 + A1:2021
EN 61000-3-3: 2013 + A1:2019
EN 62368-1:2020 + A11:2020

Yours sincerely,


Antony Chong
Director of Hardware Engineering
Peplink International Limited

**FCC Requirements for Operation in the United States**
**Federal Communications Commission (FCC) Compliance Notice:**

**For MAX BR2 Pro**

**Federal Communication Commission Interference Statement**

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference and
(2) this device must accept any interference received, including interference that may cause undesired operation.

**Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

**Industry Canada Statement (MAX BR2 Pro, IC: 20682-P1AX203)**

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to

the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex-empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

(1) l’appareil ne doit pas produire de brouillage, et
(2) l’utilisateur de l’appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d’en

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potent for harmful interference to co-channel mobile satellite systems;

(ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; (detachable antenna only) ; and
The high-power radars are allocated as primary users (i.e. priority users) of the band 5725-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(iii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

(i) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l’intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) Le gain maximal d’antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l’exploitation point à point et non point à point, selon le cas.
En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu’ils ont la priorité) pour les bandes 5725-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

(iii) Le gain maximal d’antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l’exploitation

point à point et non point à point.

**Radiation Exposure Statement**

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet appareil doit être installé et utilisé avec une distance minimale de 20cm entre l'émetteuret votre corps. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

This radio transmitter IC: 20682-P1AX203 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

WIFI Antenna type: Omni-directional
WIFI Antenna gain: 2.4GHz / 2.44 dBi
5150 ~ 5250 MHz / 4.1 dBi
5725 ~ 5850 MHz / 4.73 dBi

Cet émetteur radio IC : 20682-P1AX203 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes répertoriés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antenne non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

Type d'antenne WIFI : omnidirectionnelle
Gain de l'antenne Wi-Fi : 2.4 GHz / 2.44 dBi
5150 ~ 5250 MHz / 4.1 dBi
5725 ~ 5850 MHz / 4.73 dBi

**CE Statement for Pepwave Routers ( MAX BR2 Pro )**

# DECLARATION OF CONFORMITY

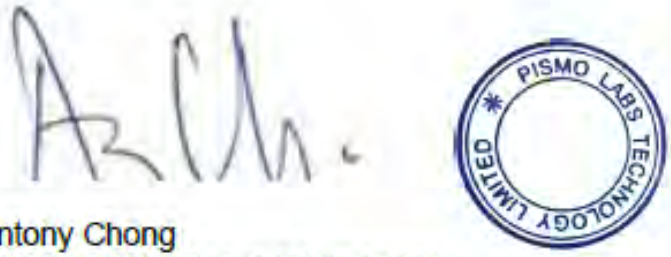
We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

| | |
|---|---|
| Name of manufacturer | PISMO LABS TECHNOLOGY LIMITED |
| Contact information of the manufacturer | A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan,Kowloon, Hong Kong<br>tel. (852) 2990 7600, fax. (852) 3007 0588<br>e-mail: cs@peplink.com |
| Description of the appliance | PEPWAVE / PEPLINK Wireless Product |
| Model name of the appliance | MAX BR2 Pro<br>MAX-BR2-PRO-5GD-T-PRM |
| Trade name of the appliance | PEPWAVE / PEPLINK |

The construction of the appliance is in accordance with the following standards:

EN 301 908-1 V15.1.1
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 303 413 V1.2.1
EN 62311: 2020
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 301 489-52 V1.2.1
Draft EN 301 489-19 V2.2.0
EN 55032: 2015 + A11:2020
EN 55035: 2017 + A11:2020
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 62368-1:2020 + A11:2020

Yours sincerely,




Antony Chong
Director of Hardware Engineering
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AT | BE | BG | HR | CY | CZ | DK | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL | PT | RO | SK | SI | ES | SE | UK(NI) |

**2.4GHz ( 2412 - 2472 MHz ) : 19.94 dBm**
**5GHz ( 5150 - 5250 MHz ) : 22.96 dBm**

**WWAN : Refer 3GPP TS 36.521 -1 ( UE Power class )**

| | | |
|---|---|---|
| 5G | Bands | FR1 (Sub 6G):<br>TDD: n78 |
| | Band combinations | For supported E-UTRAN New Radio Dual Connectivity (EN-DC) see [2] |
| | 4x4 MIMO | n78 |
| | Category | 3GPP Rel 15<br>256 QAM UL/DL |
| | Output Power | FR1 (Sub 6G):<br>n78: 25.5dBm +1.5/-1dB (HPUE) |
| 4G | Bands | FDD: B1, B3, B7, B8, B20, B28<br><br>TDD: B38, B40 |
| | Band combinations | For supported carrier aggregations (CA) see [2] |
| | 4x4 MIMO | B1, B3, B7, B38, B40 |
| | RX Diversity | All LTE bands |
| | Category | UE Cat. 13 (UL: 150Mbps) + UE Cat. 20 (DL: 2Gbps);<br>7xDL CA, 3xUL CA (Intra-band), 5xDL CA+4X4 MIMO (Up to UE Cat20)<br>256 QAM UL/DL |
| | Output Power | B1, B3, B7, B38, B40: 23dBm ±1dBm<br>B8, B20, B28: 23.5dBm ±1dBm |

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This equipment is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range in above countries.

**contact as: https://www.peplink.com/**

 