

Google NLS-1304-25

Google Wifi System User Manual

Model: NLS-1304-25

	What's in the					
Overview	Box	Setup	Operation	Maintenance	Troubleshooting	Specifications
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1. PRODUCT OVERVIEW

The Google Wifi system is designed to provide seamless and reliable Wi-Fi coverage throughout your entire home. It replaces your traditional router, creating a mesh network that extends a strong signal to every corner, eliminating dead zones and buffering. This system ensures a fast and consistent internet experience for all your connected devices.



Image: Three Google Wifi units, designed for whole-home coverage.

2. WHAT'S IN THE BOX

Your Google Wifi system package includes the following components:

- 3 Wifi points
- 3 power adapters
- 1 6.5 ft Ethernet cable
- Quick start guide



Image: Contents of the Google Wifi system package, including a Wifi point, power adapter, and Ethernet cable.

3. SETUP INSTRUCTIONS

Setting up your Google Wifi system is a straightforward process using the Google Wifi app. Ensure your modem is connected and working before you begin.

1. **Download the Google Wifi App:** Search for "Google Wifi" in your device's app store (iOS or Android) and download the application.
2. **Connect the First Wifi Point:**

- Connect one of the Google Wifi points to your modem using the provided Ethernet cable. Plug one end into the WAN port (globe icon) on the Wifi point and the other into your modem's Ethernet port.
- Plug the power adapter into the Wifi point and then into a power outlet. The light on the Wifi point will pulse blue when it's ready for setup.



Image: The back of a Google Wifi unit, illustrating the Ethernet and power connections.

3. Open the App and Follow Prompts:

- Open the Google Wifi app on your smartphone or tablet.
- The app will guide you through creating your Wi-Fi network name and password.
- Scan the QR code on the bottom of your first Wifi point when prompted.



Image: A Google Wifi unit alongside a smartphone showing the intuitive setup process via the Google Wifi app.

4. Add Additional Wifi Points (Mesh Setup):

- Once the first Wifi point is set up, the app will ask if you want to add more Wifi points.
- Place additional Wifi points in different rooms or floors to extend coverage. Ensure they are within reasonable range of another Wifi point.
- Plug in the power adapter for each additional Wifi point. The light will pulse blue.
- Follow the app's instructions to add each new Wifi point to your mesh network. The app will confirm optimal placement.

5. **Complete Setup:** Once all Wifi points are added, the app will confirm your network is ready. You can now connect your devices to your new Google Wifi network.

4. OPERATION AND FEATURES

The Google Wifi system is designed for ease of use and intelligent network management. Key features are accessible through the Google Wifi app.

4.1. Network Management via App

The Google Wifi app provides comprehensive control over your home network:

- **View Connected Devices:** See all devices currently connected to your network.
- **Prioritize Devices:** Allocate more bandwidth to specific devices for critical tasks like streaming or gaming.
- **Pause Wi-Fi:** Temporarily pause internet access for specific devices or groups of devices, useful for family controls.
- **Guest Wi-Fi:** Easily set up a separate network for guests, keeping your main network secure.
- **Network Check:** Run a speed test and check the connection strength between your Wifi points.

4.2. Network Assist Technology

Google Wifi utilizes Network Assist technology to automatically optimize your network. This ensures your devices are always connected to the clearest channel and fastest band (2.4 GHz or 5 GHz), minimizing interference and maximizing speed without manual intervention.

4.3. Seamless Roaming

As you move around your home, your devices will automatically switch to the Wifi point with the strongest signal, ensuring a continuous and uninterrupted connection. This seamless roaming is a core benefit of the mesh system.

5. MAINTENANCE

Google Wifi systems are designed for minimal maintenance. Regular updates are handled automatically to ensure optimal performance and security.

- **Automatic Updates:** Your Google Wifi points will automatically download and install software updates. This typically occurs during off-peak hours to minimize disruption.
- **Cleaning:** To clean the exterior of your Wifi points, use a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Restarting:** If you experience network issues, a simple restart of your Wifi points (unplugging from power for 10 seconds and plugging back in) can often resolve them.

6. TROUBLESHOOTING

If you encounter issues with your Google Wifi system, refer to the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No internet connection	Modem issue, cable disconnected, or primary Wifi point offline.	<ul style="list-style-type: none"> ◦ Check your modem's status lights and restart it if necessary. ◦ Ensure the Ethernet cable is securely connected between the modem and the primary Wifi point. ◦ Restart the primary Google Wifi point.
Weak Wi-Fi signal in certain areas	Wifi points are too far apart or obstructions are present.	<ul style="list-style-type: none"> ◦ Relocate Wifi points closer to each other. ◦ Use the Google Wifi app's "Network Check" to assess signal strength and placement. ◦ Consider adding an additional Wifi point for larger homes or areas with dense walls.
Devices not connecting to Wi-Fi	Incorrect Wi-Fi password, device issue, or network glitch.	<ul style="list-style-type: none"> ◦ Verify the Wi-Fi password. ◦ Restart the problematic device. ◦ Restart the Google Wifi system.
Slow internet speeds	Internet service provider (ISP) issue, too many devices, or network congestion.	<ul style="list-style-type: none"> ◦ Run a speed test via the Google Wifi app to check your internet speed from the modem. ◦ Prioritize critical devices using the app. ◦ Contact your ISP if speeds are consistently lower than expected.

For more detailed troubleshooting, refer to the official Google Wifi support resources online.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	NLS-1304-25
Product Dimensions	4.17 x 4.17 x 2.7 inches
Item Weight	11.8 ounces
Connectivity Technology	WiFi, Wired
Wireless Communication Standard	802.11a/b/g/n/ac, 5 GHz Radio Frequency, 2.4 GHz Radio Frequency
Frequency Band Class	Single-Band (operates on both 2.4 GHz and 5 GHz)
Special Feature	WPS (Wi-Fi Protected Setup)
Compatible Devices	Personal Computer and other Wi-Fi enabled devices
Recommended Uses	Home networking

Feature	Detail
Manufacturer	Google PC
Date First Available	October 24, 2016

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Google Wifi warranty policy provided with your product or visit the Google support website. Google typically offers a limited warranty for its hardware products.

8.1. Legal Disclaimer

Buyer acknowledges that item is new in an open box. Two of the USB-C cables were used to test each item and confirm all are in perfect, both cosmetically and in function. This disclaimer may apply to specific purchase conditions and does not alter the standard manufacturer's warranty.

8.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please visit the official Google Support website or contact Google customer service. You can also find an installation manual in PDF format [here](#).

Online resources are available at: support.google.com/wifi

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Wi-Fi

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REGULATORY INFORMATION

NOTE ON INTERFERENCE IN A RESIDENTIAL INSTALLATION

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Google Wifi generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If Google Wifi does cause harmful interference to radio or television reception, which can be determined by turning the device off, the user is encouraged to try to correct the interference by reorienting or relocating the receiving antenna and/or consulting the dealer or an experienced radio/TV technician for help.

[pdf] User Manual Instructions Guide Warranty

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[pdf] Guide

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[pdf] Declaration of Conformity Agent Authorization

Microsoft Word NLS 1304 25 DoC Attestation Final docx DOC Letter Google LLC Dual band WiFi Router
A4RNLS A4RNLS130425 nls

Federal Communications Commission 7435 Oakland Mills Road Columbia, MD 21046
Date: Subject: FCC ID: October 10, 2016 FCC Agent Authorization Letter **A4RNLS-1304-25**
To whom it may concern: We, Google Inc., as the grantee of this project
FCC ID: **A4RNLS-1304-25** / Brand Name: Google / Model No.: NLS-...

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Google

Federal Communications Commission
7435 Oakland Mills Road
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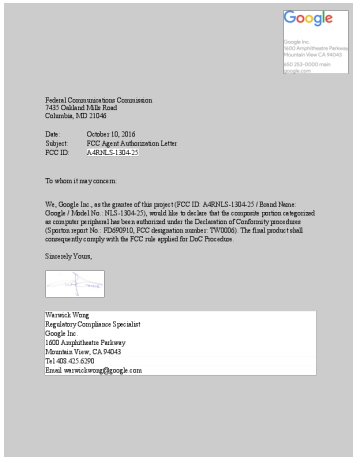
Date: October 10, 2016
Subject: FCC Agent Authorization Letter
FCC ID: A4RNLS-1304-25

To whom it may concern:

We, Google Inc., as the grantee of this project (FCC ID: A4RNLS-1304-25 / Brand Name: Google / Model No.: NLS-1304-25), would like to declare that the computer system and/or computer peripheral has been authorized under the Declaration of Conformity procedures (Open to report No.: F0000000, FCC designation number: TV00000). The final product shall consequently comply with the FCC rule applied for DoC Procedure.

Sincerely Yours,

Wenck Wang
Regulatory Compliance Specialist
Google Inc.
1600 Amphitheatre Parkway
Mountain View, CA 94043
Tel: 408-421-6206
Email: wenck.wang@google.com



[\[pdf\]](#) Declaration of Conformity Agent Authorization

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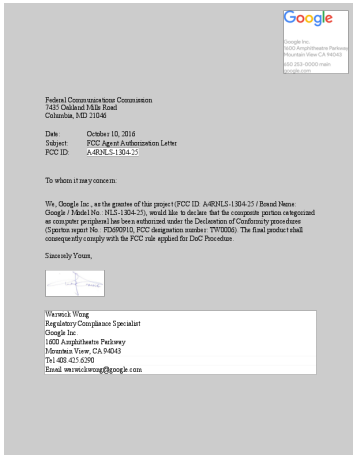
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Google Wi f i User Manual Wifi complies with part 15 of the FCC Rules Operation is subject to following

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No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao-Yuan Hsien, Taiwan, R.O.C.
P/N: 886-3-327-3458 / F/N: 886-3-327-0779 / www.sporton.com.tw



FCC RADIO TEST REPORT

Applicant's company	Google Inc.
Applicant Address	1600 Amphitheater Parkway, Mountain View, CA 94043
FCC ID	A4RNLS-1304-25
Manufacturer's company	Wistron NeWeb Corporation
Manufacturer Address	20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan

Product Name	Dual band WiFi Router
Brand Name	Google
Model Name	N63-1304-25
Test Rule	47 CFR FCC Part 15 Subpart C § 15.247
Test Freq. Range	2400 ~ 2483.5 MHz
Received Date	Sep. 14, 2019
Final Test Date	Oct. 11, 2019
Submission type	Original Equipment

Statement

Test result included is only for the IEEE 802.11.4.2 of the product.
The test result in the report refers exclusively to the presented test model / sample.
Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.
The measurements and test results shown in the test report were made in accordance with the procedures and found in compliance with the test given in **ANR C88-10-2019**, **47 CFR FCC Part 15 Subpart C** and **K06B0014 D01 v0000**.
The test equipment used to perform the test is calibrated and traceable to NML ROC.

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25 Dual band WiFi Router A4RNLS A4RNLS130425 nls

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P/N: 886-3-327-3458 / F/N: 886-3-327-0779 / www.sporton.com.tw



FCC RADIO TEST REPORT

Applicant's company	Google Inc.
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Test Freq. Range	2400 ~ 2483.5 MHz
Received Date	Sep. 14, 2019
Final Test Date	Oct. 11, 2019
Submission type	Original Equipment

Statement

Test result included is only for the Bluetooth LE of the product.
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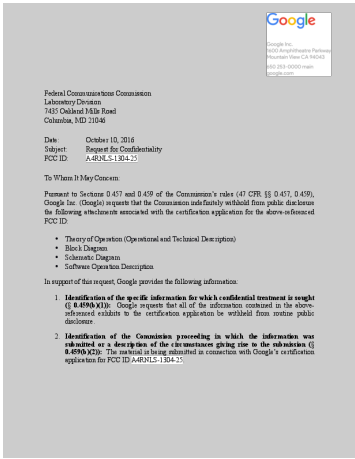
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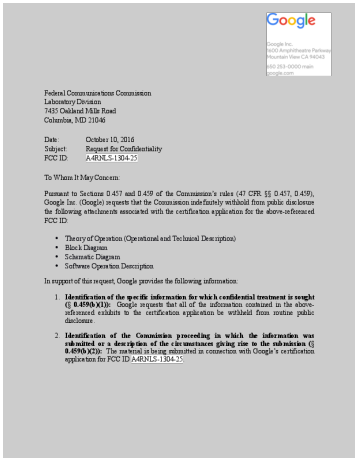
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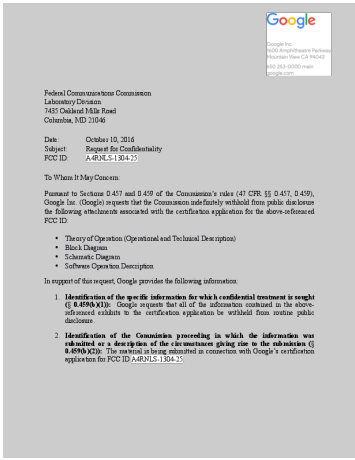
Federal Communications Commission Laboratory Division 7435 Oakland Mills Road Columbia, MD 21046 Date: Subject: FCC ID: October 10, 2016 Request for Confidentiality A4RNLS-1304-25 To Whom It May Concern: Pursuant to Sections 0.457 and 0.459 of the Commission s rules 47 CFR 0.457, 0.459 , Google... lang:en score:13 filesize: 137.65 K page_count: 3 document date: 2017-12-17



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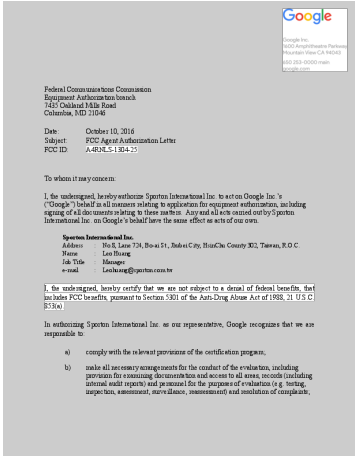
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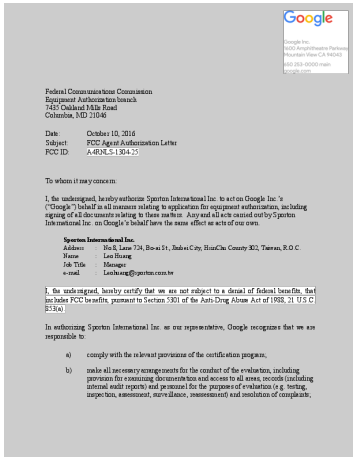
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[pdf] Agent Authorization

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Federal Communications Commission Equipment Authorization branch 7435 Oakland Mills Road Columbia, MD 21046 Date: Subject: FCC ID: October 10, 2016 FCC Agent Authorization Letter A4RNLS-1304-25 To whom it may concern: I, the undersigned, hereby authorize Sporton International Inc. to act on Goog... lang:en score:13 filesize: 114.46 K page_count: 2 document date: 2017-12-17

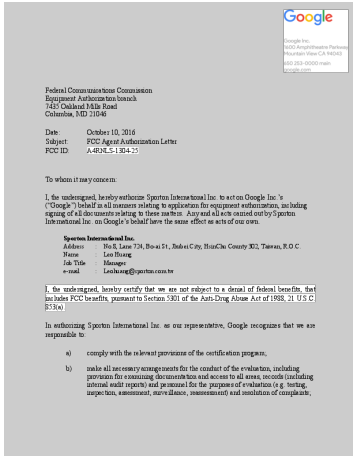


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Federal Communications Commission Equipment Authorization branch 7435 Oakland Mills Road Columbia, MD 21046 Date: Subject: FCC ID: October 10, 2016 FCC Agent Authorization Letter A4RNLS-1304-25 To whom it may concern: I, the undersigned, hereby authorize Sporton International Inc. to act on Goog...

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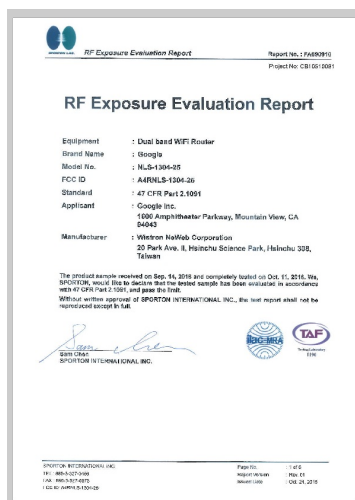


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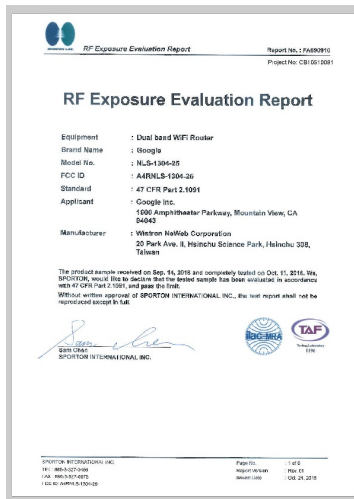


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RF Exposure Evaluation Report Report No. : FA690910 TABLE OF CONTENTS 1
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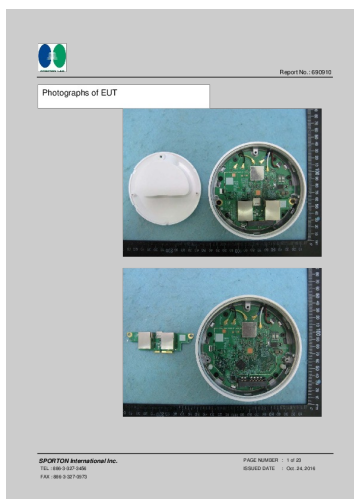
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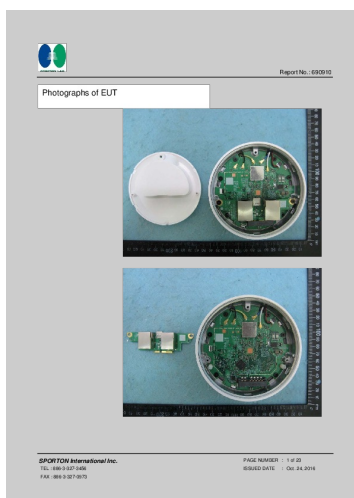
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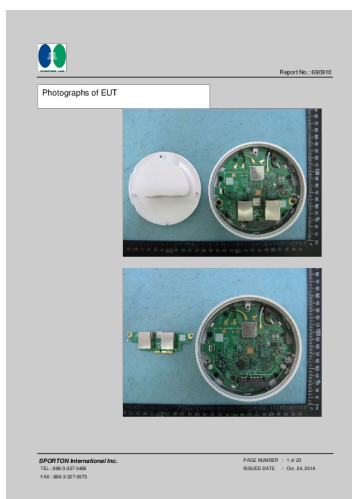
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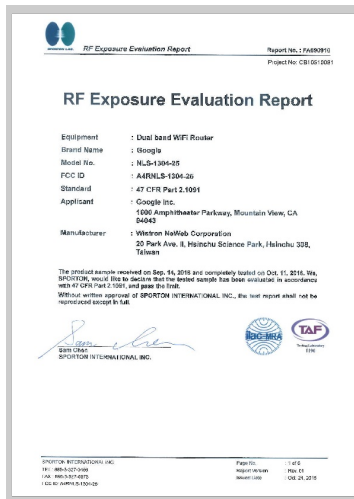
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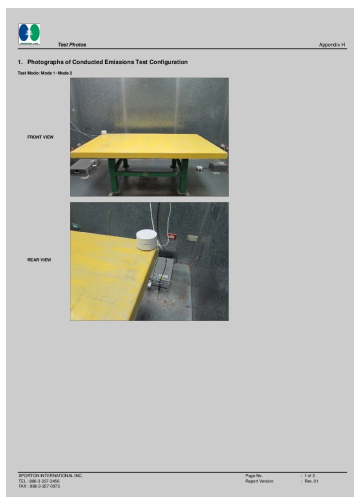


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Test Photos 1. Photographs of Conducted Emissions Test Configuration Test Mode: Mode 1-Mode 2 FRONT VIEW REAR VIEW Appendix H SPORTON

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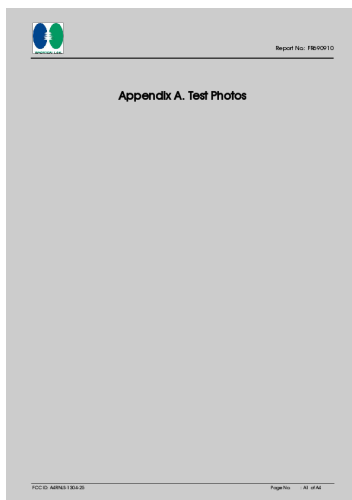
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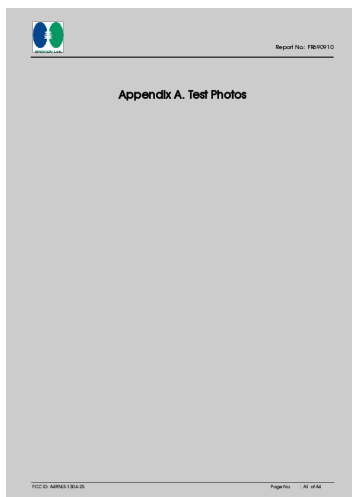
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A4RNLS-1304-25 Page No. : A2 of A4 2. Photographs of Radiated Emissions...

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FCC Test Report

Report No. : **FR690910AA**
Project No. : **CB10519078**


FCC Test Report

Equipment	: Dual band WiFi Router
Brand Name	: Google
Model No.	: NLS-1304-25
FCC ID	: A4RNLS-1304-25
Standard	: 47 CFR FCC Part 15.247
Operating Band	: 2400 MHz ~ 2483.5 MHz
Function	: <input checked="" type="checkbox"/> Point-to-multipoint, <input type="checkbox"/> Point-to-point
Applicant	: Google Inc. 1600 Amphitheater Parkway, Mountain View, CA 94043
Manufacturer	: Whitson NetWeb Corporation 28 Park Ave. 8, Hsinchu Science Park, Hsinchu 300, Taiwan

The product sample received on Sep. 14, 2016 and was tested on Oct. 11, 2016. We, SPORSTON, hereby declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shows compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORSTON INTERNATIONAL INC., the test report shall not be reproduced except in full.





Eric Chen
SPORSTON INTERNATIONAL INC.

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