

## Hunter Douglas UXUPC7 - Test Plan for Data Referencing

### Summary:

We would like to certify a variant device by referencing data from a device that was tested and certified in 2022 under FCC ID:UXUPC6. The original variant featured 2 shielded Nordic nRF52840 modules. The variant model we which to certify de-populates one of the modules, as well as the ethernet port and drive.

The form factors, function, materials and layout otherwise are identical in both variants.

### Test Plan / Spot-check plan:

(1) US Code of Federal Regulations, Title 47, Part 15

<b>APPLIED STANDARDS AND REGULATIONS</b>			
<b>Standard Section</b>	<b>Test Type</b>	<b>Variant 1 certified</b>	<b>Variant 2 New certification</b>
FCC Part 15.35	Duty Cycle	Full test	Full test**
FCC Part 15.247(b)(3)	Peak output power	Full test	Full test**
FCC Part 15.247(a)(2)	Bandwidth	Full test	Full test**
FCC Part 15.209	Receiver Radiated Emissions	Full test	Full test**
FCC Part 15.209 (restricted bands)	Transmitter Radiated Emissions	Full test	Spot-check*
FCC Part 15.247 (unrestricted)	Transmitter Radiated Emissions	Full test	Full test**
FCC Part 15.247(e)	Power Spectral Density	Full test	Full test**
FCC Part 15.209, 15.247(d)	Band Edge Measurement	Full test	Spot-check*
FCC Part 15.207	AC Conducted Emissions	Full test	Full test**

\*Spot-check will include verification of 2 worse-case test frequencies to ensure that the device remains complaint and the margin has not decreased by more than 2 dB.

\*\*Full testing data will be referenced from original certification actual testing. Please see "Justification" on page 2 of this document.

The purpose of this test plan is to compare the results from the previous model. The device was investigated to ensure it complies with updated standards such as RSS-247 Issue 3. This data is leveraged from a previous model FCC ID: UXUPC6. Worst case emissions were investigated and found to be compliant negligibly different from the previous model.

## **Justification**

Since the RF path remains unchanged, only radiated tests need to be repeated and all conducted measurements can be leveraged.

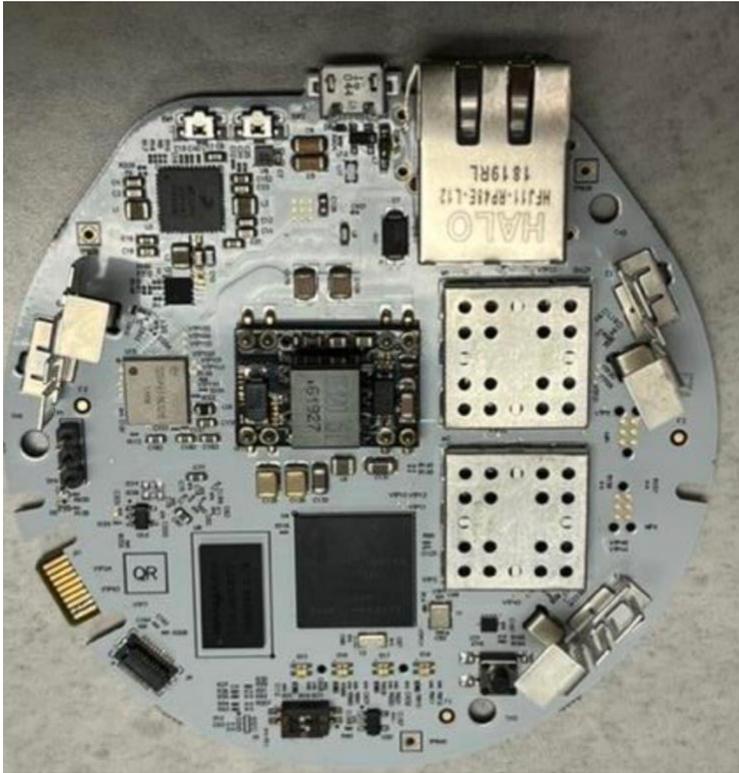
In addition, since the modules were identical, and shielded, it is very unlikely that removal of one would effect the results of the other. Therefore, risk of non-compliance is very low and minimal spot-checks would be required.

## **Applicant Responsibility**

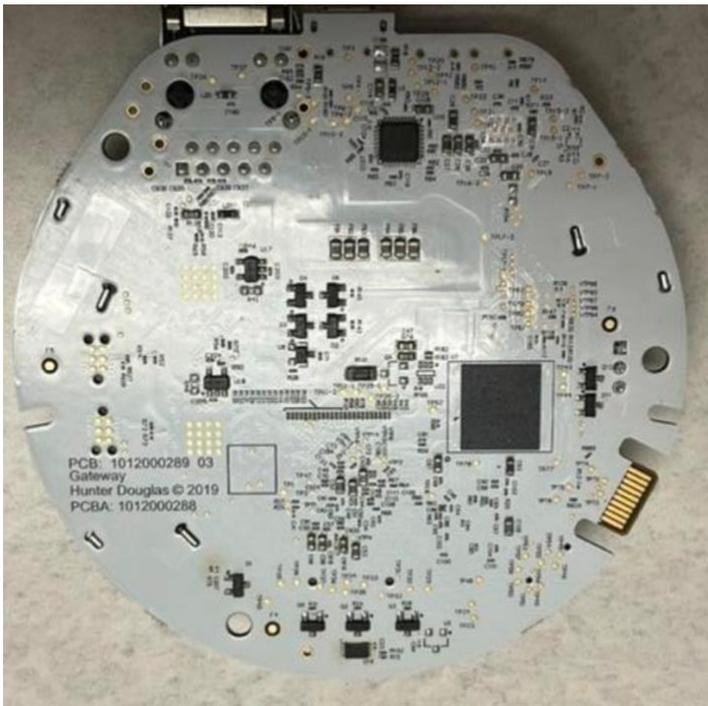
We understand that this proposal does not waive the applicants full responsibility stating that the filed certification data properly demonstrate FCC compliance of the variant device

Nic Johnson  
Agent, acting on behalf of Hunter Douglas Window Fashions.  
Nic.johnson@njcompliance.net

Device photos - VARIANT 1 (tested and certified under FCC ID: UXUPC6)

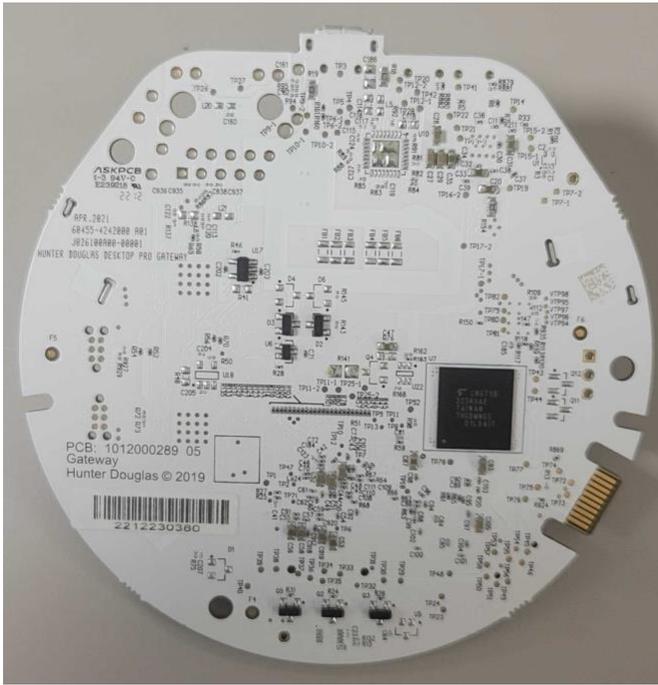


Gateway Pro PCB Top – with shield. (both modules populated). Same antenna used for both.

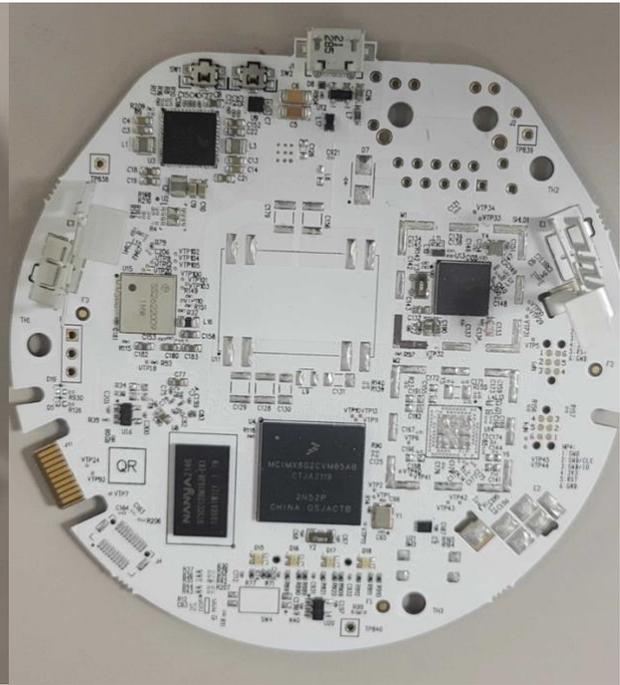


Gateway Pro PCB - Bottom

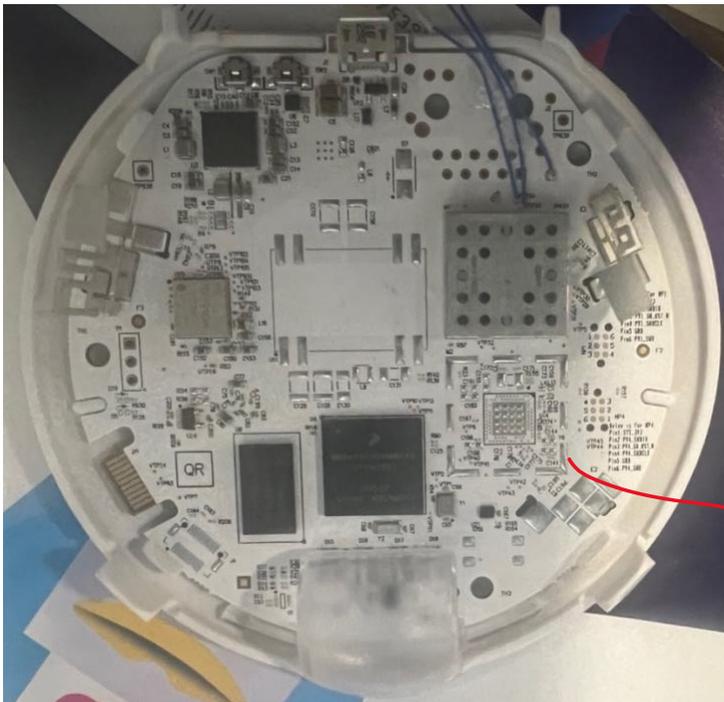
Device Photos - VARIANT 2 (new variant)



Gateway Standard PCB – bottom



Gateway Standard PCB top – shield removed



Depopulated module

Gateway Standard PCB board top – with shield (1 module populated, Ethernet port and PoE module removed)



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22 January 2024

Federal Communications Commission  
Equip Approval Services  
Post Office Box 358315  
Pittsburgh, Pennsylvania 15215-5315

To Whom It May Concern:

Pursuant to 47 CFR 2.911, NCEE Labs has authorized **Nic Johnson** to act on NCEE Labs behalf for the sole and express purpose of processing applications to the Federal Communication Commission (FCC) for equipment FCC authorization. This authorization is limited to FCC ID: UXUPC7.

Consistent with the foregoing, **Nic Johnson** is authorized to the following:

- 1) Exchange data and information with the FCC, and authorized TCBs on behalf of NCEE Labs.

This authorization is not assignable to others beyond **Nic Johnson**.

No party to this application is subject to a denial of benefits, including FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862.

We also declare that the information provided to the FCC is true and correct to the best of our knowledge (47 CFR 2.911(d)) and we have been informed of the grantee responsibilities (47 CFR 2.909) with regard to certified equipment.

This authorization expires [01/22/2026].

Sincerely,

Fox Lane  
EMC Test Engineer  
NCEE Labs

-----nothing follows-----

Window Fashions Division T 303.466.1848  
One Duette Way F 303.876.3374  
Broomfield, CO 80020 hunterdouglas.com



Authority to Act as Agent

Date: 10/18/21

Nebraska Center for Excellence in Electronics (NCEE)  
4740 Discovery Drive  
Lincoln, NE 68521

To Whom It May Concern:

I appoint Nebraska Center for Excellence in Electronics (NCEE) to act as our agent in the preparation of this application for equipment certification. I certify that submitted documents properly describe the device or system for which equipment certification is sought. I also certify that each unit manufactured, imported or marketed, as defined in the FCC or Industry Canada's regulations will have affixed to it a label identical to that submitted for approval with this application.

For instances where our authorized agent signs the application for certification on our behalf, I acknowledge that all responsibility for complying with the terms and conditions for Certification, as specified by Nebraska Center for Excellence in Electronics (NCEE), still resides with Hunter Douglas Window Fashions, 1 Duette Way, Broomfield, CO 80020

For TCB applications, We certify that we are not subject to denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862. Further, no party, as defined in 47 CFR 1.2002 (b), to the application is subject to denial of federal benefits, that includes FCC benefits.

Thank you,

Agency Agreement Expiration Date: December 1, 2022

By:

A handwritten signature in blue ink, appearing to read "Mike Rockwood", written over a horizontal line.

Mike Rockwood

(Signature)

Title: Project Manager  
Telephone: (303) 876-3532  
On behalf of: Hunter Douglas Window Fashions