

June 9, 2023

FCC ID: TMB-WAN2000

Product Name: SecureMesh WAN Series 2  
Applicant: Trilliant Networks Inc.

**Class II Permissive change**

Dear Examiner,

This is to request a Class II Permissive change for the SecureMesh WAN Series 2 product family originally granted in November 2020.

The first change under this application is to change model numbers and add new models to the family, the bridges (-2040) and fiber optic (-F) versions as describe below:

- GATE-2000-A changes to GATE-2000
- XTEN-2000-A changes to XTEN-2000
- Addition of GWBR-2040
- Addition of XBRG-2040
- Addition of GATE-2000-F
- Addition of XTEN-2000-F
- Addition of GWBR-2040-F
- Addition of XBRG-2040-F

The bridges versions add hardware circuitry including the 2.4 GHz radio module TMB-OSDI4W1.

The fiber optic versions are similar to the original granted models and the new bridges models with minor hardware changes to non transmitter circuitry.

The second change under this application is to add frequency bands UNII-2a and UNII-2c, related to modulation protocol as described below:

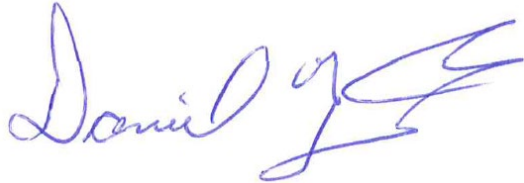
Modulation	Frequency range (MHz)	Output power (W)
802.11a, 802.11n HT20	5260 - 5320	0.20
802.11n HT40	5270 - 5310	0.20
802.11a, 802.11n HT20	5500 - 5690	0.2
802.11n HT40	5510 - 5680	0.20
802.11a	5735 - 5835	0.379
802.11n HT20	5738 - 5835	0.495
802.11n HT40	5755 - 5825	0.199

For the addition of these bands:

1. Only software changes were required.
2. Output power still compliant and is reduced from the granted frequencies due to data rate performance improvements.
3. No Class change required.
4. RF exposure still compliant.
5. The new bands are accessible via a user interface, however the operation limits, listed above, are programmed during the manufacturing phase, therefore not accessible to the user.
6. No other changes required.

I attest that the certified device will not be capable of ad-hoc mode operation outside of the grant conditions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Daniel Tousignant". The signature is fluid and cursive, with a horizontal line drawn underneath it.

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Daniel Tousignant, ing.  
Certification & Compliance Eng.