

# ASUSTeK COMPUTER INC.

1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan

## Class II Change Letter

Date: April 19, 2023

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia MD 21046

To Whom It May Concern:

Request for Class II Permissive Change

FCC ID: MSQ-RTAXJF00 / Grant Date: 12/30/2020

Pursuant to CFR 2.1043, ASUSTeK COMPUTER INC. ("ASUS") hereby requests a Class II Permissive Change. The model name shall be same as before.

### **Class II Permissive Change:**

ASUS requests this permissive change to fully resolve a technical performance issue with the above-captioned device, its WiFi 6E (802.11ax) Gaming Router, sold under the trade name "ROG [for Republic of Gamers] Rapture GT-AXE11000 ("AXE11000" or "the router").

ASUS determined through re-testing that, notwithstanding the original test results that accompanied its certification application in 2020, the retail router's peak power spectral density (PSD) readings exceeded applicable limits for 6 GHz frequencies. ASUS regrets this anomaly in device performance and is taking steps to fully remediate it, including the Class II Permissive Change that is the subject of this letter.

ASUS understands that multiple factors may have contributed to this performance issue, including one or more errors in the power table in the router software and the fact that the antenna included with the router had a higher gain than the antennas used in testing in 2020, apparently due to a change in antenna by a supplier to the Company without the Company's authorization or knowledge. It also is possible that the unit tested for certification was not functioning at its full potential power (e.g., potentially due to a loose antenna), but the Company has been unable to determine conclusively whether that was the case.


ASUS has taken a number of mitigation measures as it works to fully bring the router into full compliance, and these efforts have culminated in preparation of a firmware update that will bring peak PSD readings to no higher than the 5 dBm/MHz level as specified in the rules. The router with this update is the subject of this permissive change application. Per the included documentation, the updated device has been fully tested by DEKRA, a recognized TCB that was not involved in the original testing for the router when it was certified in 2020. DEKRA's results indicate that the firmware update will resolve the performance matter and the router will fully comply with the FCC's rules. Upon approval of this Class II Permissive Change, ASUS will deploy the firmware update as a mandatory upgrade.

Please do not hesitate to contact the undersigned with any questions about this filing.

Sincerely,

Applicant's company name : ASUSTeK COMPUTER INC.  
Applicant's company address : 1F., No. 15, Lide Rd., Beitou, Taipei 112, Taiwan

Signature :

A handwritten signature in black ink, appearing to read "Jackson Yen", is written above a solid horizontal line.

Name and Job Title : Jackson Yen / Associate Vice President

E-Mail : Jackson\_Yen@asus.com

Tel : (886)2-2894-3447

Fax : (886)2-2898-7364