

Prepared (also subject responsible if other) EHUUXIO		No. TA8AKRC161746-1		
Approved Xiao Hu	Checked	Date 2023-08-15	Rev A	Reference

Federal Communications Commission
 Authorization & Evaluation Division
 7435 Oakland Mills Road
 Columbia, Maryland 21046
 Attention: Equipment Authorization Branch

Subject: Certification for FCC ID: TA8AKRC161746-1

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for the above-mentioned FCC Identifier to support additional external antenna max average Gain 6.7dBi.

The radio operates in the broadband radio service band as per 47 CFR Part 96.

Radio dynamic range:

- Maximum linear conducted power rating at output connector into 50 ohms that meets all OOBE requirements [zero additional attenuation, highest power setting allowed, for use with lowest gain external antennas] (dBm): 37dBm per port or 43 dBm total power
- Minimum linear conducted power rating at output connector into 50 ohms that meets all OOBE requirements [maximum additional linear attenuation, lowest power setting allowed, for use with highest gain external antennas] (dBm): 10dBm per port or 16 dBm total power
- Note: use of an external cable introduces additional losses that may be compensated appropriately by increasing the radio’s power level (reducing the attenuator setting). This cable compensation may be achieved during radio setup.

The Original Equipment Manufacturer (OEM) vendor of the radio states that the use of the following listed external antenna meets all requirements for Part 96 operations. The following specific external antennas may be used in conjunction with this model radio at the appropriate listed power settings.

These antennas will allow this radio to meet the appropriate Part 96 requirements for Maximum EIRP, at below:

- 30 dBm EIRP (for Category A operations), or
- 47 dBm/10MHz EIRP (for Category B operations).

Table: CBRS Band 48 additional new External antenna authorized by the Original Equipment Manufacturer for use with this radio:

Antenna Vendor	Antenna Model Number	Antenna Main Beam Peak Gain [dBi]	Operational Category [A / B]	Antenna Data sheet
Quectel	YUB00A2XX	6.7	B	Refer external antenna YUB00A2XX

The Exhibit 8 user manuals submitted with this application is generic and may cover multiple products.

This application is only valid for the model specified in the Exhibit 12 circuit description.

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Ericsson AB requests confidentiality under CFR 0.459 according to attached letter. We further certify that the applicant nor any party to the application is subject to a denial of Federal benefits, that includes FCC benefits, pursuant to section 5301 of the Anti-Drug abuse Act of 1988, 21 U.S.C. Section 862.

If additional information is needed, please contact me on the below listed number.

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