Prepared (also subject responsible if other)		No.		
EWAGTIG		TA8FKRC161688		
Approved	Checked	Date	Rev	Reference
CBC/XRV/D Tingting Wang		2018-08-07	A	

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

Subject: Class II permissive change for FCC ID: TA8FKRC161688

To Whom It May Concern:

Ericsson AB requests a Grant of Certification (Type Acceptance) for the above mentioned FCC Identifier.

The radio operates in the Cellular band as per 47 CFR Part 24.

This radio (Radio 2212 B2 B25) is designed for use in GSM, WCDMA and LTE cellular telephone system. This FDD radio operates in Band 2 and Band 25. For Band 2, the transmitter is from 1930 MHz to 1990 MHz and the receiver from 1850 MHz to 1910 MHz. It supports radio access technology SR GSM, SR WCDMA, SR LTE, MR GSM + WCDMA, MR GSM + LTE and MR WCDMA + LTE. For B25, the transmitter is from 1930 MHz to 1995 MHz and the receiver from 1850 MHz to 1915 MHz. It supports radio access technology SR WCDMA, SR LTE and MR WCDMA + LTE. Both B2 and B25 can support in-band, guard band and standalone NB-IoT.

It supports channel bandwidths of 200 kHz for GSM, 3.8-5 MHz for WCDMA, 1.4, 3, 5, 10, 15 and 20 MHz for LTE. The radio supports modulation types of GMSK, AQPSK and 8PSK for GSM, QPSK, 16 QAM and 64 QAM for WCDMA, QPSK, 16QAM, 64QAM and 256 QAM for LTE.

The radio supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s), NCS (None-Contiguous Spectrum). The radio unit supports carrier aggregation.
The radio has the ability to be used in a RBS system configured for 3GPP MIMO/Spatial multiplexing and beam-forming technologies for LTE.

This radio will in normal mode operates at a maximum power of 80W per port at the output connector. The radio has 2 TX ports.

The Permissive Change request for this radio unit (Radio 2212 B2 B25) is to include the following:
1) Add NB-IoT standalone 2C
2) Add NB-IoT guard band

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.

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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