

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]	No. TA8AKRC161912-3 / 287AB-AS1619123		
Approved	Checked	Date 2021-12-09	Rev A

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Authorization & Evaluation Division  
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09 December 2021  
FCC ID: TA8AKRC161912-3  
IC: 287AB-AS1619123  
HVIN: AS1619123

FCC Reference: CFR 47 Part 2, Part 24, Part 27

**Subject: Request for FCC Class II Permissive Change Filing**

Ericsson AB / Ericsson Canada Inc. formally request a Class II Permissive Change filing for the above referenced product.

The reason for this Class II Filing is to add NR (New Radio) and LTE RF Emission Designations to the existing Authorization / Grant. This will enable additional SRO/MRO LTE and NR 5MHz, 10MHz and 15MHz 6W/MHz carrier Emission Bandwidths to the Grant. Multi-carrier SRO/MRO maximum RF output power is unchanged.

Transmission Bandwidth Configurations:

Band 2/25 DL 1930 – 1995MHz:

LTE/NR: 5, 10, 15, 20MHz, (LTE+NB-IoT (IB): 5MHz, LTE+NB-IoT (IB, GB) 10, 15, 20MHz)  
WCDMA: 5MHz; GSM: 200kHz; CDMA: 1.25MHz

Band 66 DL 2110 – 2200MHz:

LTE/NR: 5, 10, 15, 20MHz, (LTE+NB-IoT (IB): 5MHz, LTE+NB-IoT (IB, GB) 10, 15, 20MHz)  
WCDMA: 5MHz

This Radio is designed for SC/MC Cellular Communications supporting SRO/MRO for NR (New Radio) and LTE including LTE+NB-IoT (IB, GB) operations, WCDMA, GSM and CDMA. The Radio is a Dual Band FDD transceiver operating in Band 2 / Band 25 and Band 66.

Band 2/25

TX (DL): 1930 - 1995 MHz  
RX (UL): 1850 - 1915 MHz

Band 66

TX (DL): 2110 - 2200 MHz  
RX (UL): 1710 - 1780 MHz

The Radio 4460 44B2/25 44B66 C supports LTE/NR Channel Bandwidths of 5, 10, 15 and 20MHz with Modulation type QPSK, 16QAM, 64QAM and 256QAM; WCDMA: QPSK, 16QAM, 64QAM; GSM: GMSK, 8-PSK, AQPSK; CDMA: QPSK, 8-PSK, 16QAM. The Radio 4460 is capable of operating in an RBS System supporting 3GPP MIMO/Spatial Multiplexing, Carrier Aggregation, ESS (Ericsson Spectrum Sharing) and NB-IoT (IB, GB) technologies.

*Dated this* 9<sup>th</sup> *Day of* December 2021

*By:*



**David Bolzon**

*Signature*

*Printed*

**Applicant:** Ericsson AB

**DAVID BOLZON**

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