

**DECLARATION OF BUILD STATUS**Equipment Description

Equipment Description	
Technical Description: (Please provide a brief description of the intended use of the equipment including the technologies the product supports)	Multi-standard remote radio unit Radio 8843 B2 B66A 4Tx and 4Rx
Manufacturer:	Ericsson AB
Model:	Radio 8843 B2 B66A
Part Number:	KRC161707/2
Hardware Version:	R1D
Software Version:	CXP9013268/15 Revision R89AJ
FCC ID of the product under test	TA8AKRC161707-2
IC ID of the product under test	.-

Intentional Radiators

Intentional Radiators		
RAT	LTE	NR ,SCS 15kHz
Frequency Range (MHz to MHz)	B2, DL: 1930 - 1990 MHz, UL :1850 - 1910MHz B66A, DL:2110 - 2180 MHz, UL: 1710 - 1780MHz	B2, DL: 1930 - 1990 MHz, UL:1850 - 1910MHz B66A, DL:2110 - 2180 MHz, UL: 1710 - 1780MHz
Radio Configuration:	4 RX / 4 TX for normal power mode 2TX /2 RX for high power mode	4 RX / 4 TX for normal power mode 2TX /2 RX for high power mode
Output power per port	B2: 4 x 40W or 2 x 60W B66A: 4 x 60W or 2 x 80W	B2: 4 x 40W or 2 x 60W B66A: 4 x 60W or 2 x 80W
Conducted Declared Output Power (dBm) Max output power per port (B2)	B2 :46.0 /47,8 LTE 5MHz :40W Max output power per port LTE 10,15, 20MHz:60W Max output power per port	B2 :46.0 /47,8 NR 5MHz :40W Max output power per port NR 10,15, 20MHz:60W Max output power per port
Conducted Declared Output Power (dBm) Max output power per port (B66A)	B66A: 47,8 / 49,0 LTE 5MHz :60W Max output power per port LTE 10,15, 20MHz:80W Max output power per port	B66A: 47,8 / 49,0 NR 5MHz :60W Max output power per port NR 10,15, 20MHz:80W Max output power per port
Total RF bandwidth (IBW)	B2 :60MHz B66A: 70MHz	B2 :60MHz B66A: 70MHz
Supported Bandwidth(s) (MHz)	5, 10, 15, 20MHz	5, 10, 15, 20MHz
Modulation Scheme(s)	QPSK, 16QAM, 64QAM, 256QAM	QPSK, 16QAM, 64QAM, 256QAM
Antenna Gain (dBi)	17.8±0.5 (B2), 17.8±0.5 (B66)	17.8±0.5 (B2), 17.8±0.5 (B66)
Antenna Impedance(Ω)	50	50
ITU Emission Designator (From previously Declaration 2020-07-08)	B2 without NB IoT B2: 5MHz, BW: 4M51W7D B2 with NB IoT 10 MHz, BW: 9M4W7D 15 MHz, BW: 14M1W7D 20 MHz, BW: 18M5W7D 20+20 MHz, BW:38M5W7D (20+20 MHz, Carrier aggregation)	B2 without NB IoT 5 MHz, BW: 4M47W7D 10 MHz, BW: 9M29W7D 15 MHz, BW: 14M1W7D 20 MHz, BW: 17M3W7D 20+20 MHz, BW: 38M8W7D (20+20 MHz, Carrier aggregation)
	B66A without NB IoT B66A: 5MHz, BW: 4M51W7D	B66A without NB IoT

ITU Emission Designator (From previously Declaration2020-07-08)	B66A with NB IoT 10 MHz, BW: 9M5W7D 15 MHz, BW: 14M1W7D 20 MHz, BW: 18M5W7D 20+20 MHz, BW:38M4W7D (20+20 MHz, Carrier aggregation)	5 MHz, BW: 4M47W7D 10 MHz, BW: 9M29W7D 15 MHz, BW: 14M1W7D 20 MHz, BW: 17M3W7D 20+20 MHz, BW: 38M8W7D (20+20 MHz, Carrier aggregation)
ITU Emission Designator (NR + NB IoT IB) Test Report No. 75953954 Report 01 Issue	.-	B2 with NB IoT IB: 10 MHz, BW: 9M45W7D 15 MHz, BW: 14M4W7D 20 MHz, BW: 19M2W7D
ITU Emission Designator (NR + NB IoT IB) Test Report No. 75953954 Report 02 Issue	.-	B66A with NB IoT IB: 10 MHz, BW: 9M45W7D 15 MHz, BW: 14M4W7D 20 MHz, BW: 19M2W7D
Duplex mode:	FDD	FDD
Supported transmission modes:	4X4 MIMO	4X4 MIMO
Maximum number of carriers	3	3

Un-intentional Radiators

<b>Unintentional Radiators</b>	
Highest frequency generated or used in the device or on which the device operates or tunes	10.1Gbit/s
Lowest frequency generated or used in the device or on which the device operates or tunes if <30MHz	-
Class A Digital Device (Use in commercial, industrial or business environment)	-
Class B Digital Device (Use in residential environment)	Class B

DC Power Source

<b>DC Power Supply (Delete if Not Applicable)</b>	
Nominal voltage:	-48V
Extreme upper voltage:	-40V
Extreme lower voltage:	-58,5V
Max current:	32A

Temperature

<b>Temperature</b>	
Minimum temperature:	-40°C
Maximum temperature:	55°C

Ancillaries (if applicable)

<b>Ancillaries (if applicable)</b>			
Manufacturer:	-	Part Number:	-
Model:	-	Country of Origin:	-

Number of carriers mode

<b>B2 &amp; B66A</b>				
NR single mode	LTE single mode	LTE 20 +20 MHz carrier aggregation		
Max Carriers	Max Carriers	LTE	LTE	LTE in total (Max)
3 carriers	3carriers	1 carrier	1 carriers	2 carriers

I hereby declare that the information supplied is correct and complete.

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DocuSigned by:  
*Lars Wallin*  
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Signature: **Lars Wallin**

Date: 08 February 2022

Position held: **Line Manager Regulatory Approval, Ericsson AB**