

DECLARATION OF BUILD STATUSEquipment 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 4455 B2/B25 B66A, 4RX/ 4TX
Manufacturer:	Ericsson AB
Model:	Radio 4455 B2/B25 B66A
Part Number:	KRC 161 823/1
Hardware Version:	R1C
Software Version:	CXP9013268/15-R89JD
FCC ID of the product under test	TA8AKRC161823-1
IC ID of the product under test	287AB-AS1618231

Intentional Radiators

Intentional Radiators		
Frequency Range (MHz to MHz) B2: WCDMA, LTE, NR; NB-IoT SA	TX (DL): 1930 - 1990 MHz RX (UL): 1850 - 1910 MHz	BW: 60MHz BW: 60MHz
Frequency Range (MHz to MHz) B25: LTE, NR; NB-IoT SA	TX (DL): 1930 - 1995 MHz RX (UL): 1850 - 1915 MHz	BW: 65MHz BW: 65MHz
Frequency Range (MHz to MHz) B66A: WCDMA, LTE, NR; NB-IoT SA	TX (DL): 2110 - 2180 MHz RX (UL): 1710 - 1780 MHz	RF BW: 70MHz RF BW: 70MHz
Conducted Declared Output Power (dBm)	44,8 Max output power per port 30W	
RAT SC carrier Power (Max): NR, LTE	BW	PWR/Carrier(Max)
	5MHz	30 W
	10MHz	30 W
	15MHz	30 W
	20MHz	30 W
RAT SC carrier Power (Max): WCDMA	5MHz	30 W
Radio Configuration:	4RX / 4TX	
Duplex mode:	FDD	
Radio Access Technology, RAT(s):	Single RAT :WCDMA, LTE, NR, NB-IoT (IB, GB, SA) Multi RAT : WCDMA,+LTE ; WCDMA,+ NR: LTE+ NR; LTE+ NB-IoT LTE+ NR + WCDMA; LTE+ NR + NB-IoT SA; LTE+ WCDMA+ NB-IoT SA	
Supported Bandwidth(s) (MHz)	NR: 5MHz, 10MHz, 15MHz, 20MHz LTE:1.4MHz, 3MHz , 5MHz, 10MHz, 15MHz, 20MHz WCDMA : 5MHz NB-IoT(SA): 200 kHz	
Antenna Gain (dBi)	Maximum antenna system gain (including cable loss), GANT (dBi) for the tested configurations to comply with maximum radiated output power in SRSP -510 and SRSP-513 calculated using measured and summed PSD from all 4 Ports	
Antenna Impedance (Ω)	50	
Supported modulation scheme, LTE:	QPSK, 16QAM, 64QAM, 256QAM	
Supported modulation scheme, NR:	QPSK, 16QAM, 64QAM, 256QAM	
Supported modulation scheme, WCDMA:	QPSK, 16QAM, 64QAM	
Supported modulation scheme, NB-IoT :	QPSK	
NR SCS	15kHz	
RF power Tolerance:	+0.6/-2.0 dB	
Frequency Tolerance:	±0.05 ppm	
Carrier Aggregation, CA	Supported	
Maximum supported number of DL NR carrier per port	6/Band	
Maximum supported number of DL LTE carrier per port	6/Band	

Maximum supported number of DL WCDMA carrier per port	6/Band
Maximum supported number of DL CDMA carrier per port	1/Band
Nominal output power per Antenna Port / Band	SRO / MRO: Single / Multi Carrier: 40W (46,0 dBm)
Supported transmission modes:	4X4 MIMO

Un-intentional Radiators

Unintentional Radiators	
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

DC Power Supply (Delete if Not Applicable)	
Nominal voltage: AC power supply	100-127 V / 200-250V
Extreme upper voltage:	275V AC
Extreme lower voltage:	85V AC
Max current:	10A/5A

Temperature

Temperature	
Minimum temperature:	-40°C
Maximum temperature:	55°C

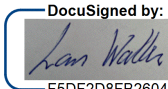
Ancillaries (if applicable)

Ancillaries (if applicable)			
Manufacturer:	-	Part Number:	-
Model:	-	Country of Origin:	-

Number of carriers mode

B2, B25, B66A		
NR single mode	LTE single mode	Supported Carrier Configurations /RAT:
Max Carriers	Max Carriers	6 Carriers / Band / Port (max)
6 carriers	6 carriers	5MHz (1-6), 10MHz (1-6) 15MHz (1-4), 20MHz (1-3)

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

DocuSigned by:

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Signature: **Lars Wallin**

Date: 30 April 2022

Position held: Line Manager Regulatory Approval, Ericsson AB