

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 2203 B66A, 2RX/ 2TX
Manufacturer:	Ericsson AB
Model:	Radio 2203 B66A
Part Number:	KRC 161 553/1
Hardware Version:	R1E
Software Version:	CXP9013268/9-R84JD
FCC ID of the product under test	TA8AKRC161553-1
IC ID of the product under test	287AB-AS1615531

Intentional Radiators

Intentional Radiators		
Frequency Range (MHz to MHz) B66: LTE, NR	TX (DL): 2110 - 2180 MHz RX (UL): 1710 - 1780 MHz	RF BW: 70MHz & IBW:45MHz RF BW: 70MHz
Frequency Range (MHz to MHz) B66: WCDMA	TX (DL): 2110 - 2155 MHz RX (UL): 1710 - 1755 MHz	RF BW/IBW :45MHz RF BW/IBW :45MHz
Conducted Declared Output Power (dBm)	37.0 Max output power per port 5W	
Rat SC carrier Power (Max): LTE, NR	BW	PWR/Carrier(Max)
	5MHz	5 W
	10MHz	5 W
	15MHz	5W
Rat SC carrier Power (Max): WCDMA	5MHz	5W
Radio Configuration:	2 RX / 2TX	
Duplex mode:	FDD	
Radio Access Technology, RAT(s):	Single RAT :WCDMA, LTE, NR, NB-IoT (IB, GB) Multi RAT : WCDMA,+LTE ; WCDMA,+ NR: LTE+ NR; LTE+ NB-IoT LTE+ NR + WCDMA; LTE+ NR + NB-IoT LTE+ WCDMA+ NB-IoT ;	
Supported Bandwidth(s) (MHz)	NR: 5MHz, 10MHz, 15MHz, 20MHz LTE: 5MHz, 10MHz, 15MHz, 20MHz WCDMA : 5 MHz NB-IoT: 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 -513 calculated using measured and summed PSD from all 2 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	3/Band
Maximum supported number of DL LTE carrier per port	3/Band
Maximum supported number of DL WCDMA carrier per port	4/Band
Nominal output power per Antenna Port / Band	SRO / MRO: Single / Multi Carrier: 5W (37,0 dBm)
Supported transmission modes:	2X2 MIMO

Un-intentional Radiators

Unintentional Radiators	
Highest frequency generated or used in the device or on which the device operates or tunes	9.8 Gbit/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:	-48V DC/ 100-250V AC
Extreme upper voltage:	-36V DC/ 275 V AC
Extreme lower voltage:	-58.5V DC/ 85 V AC
Max current:	16A single radio /32A Dual radio

Temperature

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

Ancillaries (if applicable)

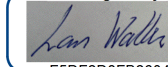
Ancillaries (if applicable)			
Manufacturer:	-	Part Number:	-
Model:	-	Country of Origin:	-

Number of carriers mode

B66A		
NR single mode	LTE single mode	Supported Carrier Configurations /RAT:
Max Carriers	Max Carriers	3 Carriers / Band / Port (max) LTE, NR
3carriers	3carriers	5MHz , 10MHz (1-3), 15MHz, 20MHz (1-2)

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

DocuSigned by:



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Signature: **Lars Wallin**

Date: 04 May2022

Position held: Line Manager Regulatory Approval, Ericsson AB