

Bundesnetzagentur

BNetzA-CAB-02/21-102



SAR Test exclusion documentation according to FCC KDB 447498, RSS-102

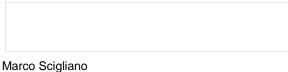
Report identification number: 1-0211/20-01-11 Exclusion (FCC_ISED)

contains the module with the following certification numbers			
FCC ID	QZ9-SRPES		
ISED number	5927A-SRPES		
HVIN (Hardware Version Identification Number)	SIM Reader for Personal eSIM		
PMN (Product Marketing Name)	SIM Reader for Personal eSIM		
FVIN (Firmware Version Identification Number)	-/-		
HMN (Host Marketing Name)	-/-		

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorised:

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Test report no.: 1-0211/20-01-11



EUT technologies:

Technologies:	Max. meas. cond. output power: (AVG)	Max. gain:	Max. decl. EIRP:
BT LE 2450 MHz	-0.4 dBm	<1.3 dBi	< 1.0 dBm / 1.26 mW

Note: Declared max taken from CTC Advanced GmbH 1-0211/20-01-03

(Max. Gain page 19 / Max. conducted output power page 23)

SAR test exclusion according to KDB447498 (General RF Exposure Guidance v06)

Equation from Chapter 4.3.1: Standalone SAR test exclusion considerations page 11 and ff.

(1) Standalone SAR test exclusion for 100 MHz to 6 GHz at test separation distances ≤ 50mm

(Threshold_{1-g;10-g}) × $d_{seperation} / f^{0.5}$

where

Threshold1-g;10-g is 3 for 1-g; 7.5 for 10-gdseperationis the min. test separation distance; 5mm is used if the distance is lessfis the RF channel transmit frequency

The table below gives the calculated maximal power that could be used for source based time averaged conducted or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

frequency	d _{separation}	Threshold _{1-g}	Powerlimit	P _{max-de}	eclared	Exclusion
[MHz]	[mm]	The shou _{1-g}	[mW]	[dBm]	[mW]	Exclusion
2450.00	5	3	9.58	1.00	1.26	yes

SAR test exclusion according to RSS-102 Issue 5 Section 2.5.1/Table 1

The table below gives the calculated maximal power that could be used for source based time averaged conducted or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

frequency	d separation	tissue volume	Powerlimit	P _{max-}	declared	Exclusion
[MHz]	[mm]		[mW]	[dBm]	[mW]	Exclusion
2450.00	5	1 g	4.00	1.00	1.26	yes

The limits above are defined for body worn application and therefore cover all use cases.