
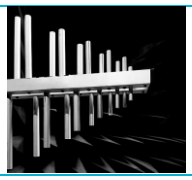
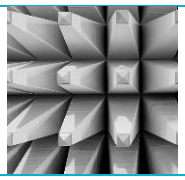

CTC advanced
member of RWTÜV group

Bundesnetzagentur

BNetzA-CAB-02/21-102

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-12076-01-04

SAR Test exclusion documentation according to FCC KDB 447498

Report identification number: 1-2331/21-01-08 Exclusion (FCC)

contains the module with the following certification numbers	
FCC ID	2A3XQUH6900

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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EUT technologies:

Technologies:	Max. measured power [dBm]		Max. declared conducted power [dBm]	#
	Field strength @3m	EIRP		
Proprietary 911.8 to 918.15 MHz	93.66 dBµV/m @ 3m	-1.57 dBm	-7.5	A, B

Details and origins of the measurements shown in the table above:

#	Results from:		Additional information
A	1-2331/21-01-02	CTC Advanced GmbH	Max. field strength, page 21 93.66 dBµV/m @ 3 m
B	User Manual	E. Dold & Soehne GmbH & Co. KG	Max declared conducted power, page 37 -7,5 dBm

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

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

where

$Threshold_{1\text{-}g;10\text{-}g}$ is 3 for 1-g; 7.5 for 10-g
$d_{seperation}$ is the min. test separation distance; 5mm is used if the distance is less
f is the RF channel transmit frequency

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

frequency [MHz]	$d_{separation}$ [mm]	$Threshold_{1\text{-}g}$	Powerlimit [mW]	$P_{max\text{-}declared}$		Exclusion
				[dBm]	[mW]	
915.00	**5**	3	15.68	-7.50	0.18	yes

The limit above is defined for body worn application and therefore cover all use cases.