

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

Report identification number: 1-8662/19-01-05

Certification numbers and labeling requirements	
FCC ID	XKB-L5000CLV3
IC number	2586D-L5000CLV3
HVIN (Hardware Version Identification Number)	Lane/5000 CLv3
PMN (Product Marketing Name)	Lane/5000
FVIN (Firmware Version Identification Number)	-/-
HMN (Host Marketing Name)	-/-

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

Document authorized:

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EUT technologies:

Technologies:	Max. power: (AVG)	Max. EIRP (AVG):
13.56 MHz RFID	---	Fieldstrength: 77.1 dB μ V/m @ 3 m = - 18.16 dBm = 0.015 mW

Applied worst case averaged field strength see CTC advanced GmbH test report 1-8662/19-01-02 chapter 11.2.

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

Equations from Chapter 4.3.1: Standalone SAR test exclusion considerations page 11 and ff. and tables in Annex C

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.

f in [MHz]	d _{separation} [mm]	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
13.56	5	442.97	<< 1 mW	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.

f in [MHz]	d _{separation} [mm]	tissue volume	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
13.56	5	1 g	71.00	<< 1 mW	yes

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