

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



BNetzA-CAB-13/21-08

This SAR test exclusion document is referring to the Test report identification no. FCC ID: 23012926_Rev.01 and IC ID: 23012957_Rev.01.

module with the Certification numbers	
FCC ID	PJMCPR74
IC ID	6633A-CPR74
HVIN (Hardware Version Identification Number)	ID CPR74
PMN (Product Marketing Name)	ID CPR74
FVIN (Firmware Version Identification Number)	RF-Stack V1.00
HMN (Host Marketing Name)	ID CPR74

Equipment under Test (EUT)				
EUT	Technology	Operating Frequency	Max. output Power.	Antenna Gain
ID CPR74	RFID	13.56 MHz	-6.6 dBm**	0

** measurement result is taken from TÜV Nord HF Test report no. FCC ID: 23012926_Rev.01/IC ID: 23012957_Rev.01

Calculation:

$$E_{\text{measured}} = 88.61 \text{ dB}\mu\text{V/m @ 3 meter}$$

According to ANSI 63.10-2013,

$$\text{Power}_{\text{EIRP}} = E_{\text{measured}} + 20 \log(d_{\text{meas}}) - 104.7 \text{ dBm} = -6.6 \text{ dBm}$$

SAR test exclusion according to KDB 447498 (General RF Exposure Guidance v06)

SAR test exclusion for RFID

According to KDB 447498 subsection 4.3.1 c) and the table in Appendix C, the EUT is exempted from SAR evaluation.

Frequency [MHz]	d _{separation} [mm]	Power measured. [mW]	Power limit [mW]	Exclusion [Yes/No]
13.56	190	<<1 mW	1059.0	Yes

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

According to RSS-102 Issue 5, if the EUT operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1 of the section 2.5.1, then it is exempted from SAR evaluation.

SAR test exclusion for RFID

Frequency [MHz]	d _{separation} [mm]	Tissue volume	Power measured. [mW]	Power limit [mW]	Exclusion [Yes/No]
13.56	190	1 g	<<1 mW	163.0	Yes

ATTESTATION: I attest that the EUT meets the exemption from the routine evaluation limits in section 4.3.1 "Standalone SAR test exclusion considerations" of KDB 447498 as well as meets the exemption from the routine evaluation limits in section 2.5 "Exemption Limits for Routine Evaluation" of RSS-105 issue 5; that the Technical Brief was prepared and the information contained therein is correct; that the device evaluation was performed or supervised by me; that applicable measurement methods and evaluation methodologies have been followed; and that the device meets the SAR and/or RF field strength limits of FCC KDB 447498 and RSS-102 issue 5.

Signature	 Digital unterschieden von Trepper Ralf Datum: 2023.12.18 15:38:08 +01'00'
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Date of issue	2023-12-18