

SAR Test exclusion documentation according to FCC § 1.1307(b)(3), RSS-102



BNetzA-CAB-13/21-08

This SAR test exclusion document is referring to the Test report identification no.: 23012939_Rev.00_FCC Part 95 M and 23012962_Rev.00_RSS-251_Issue2.

Contains the module with the Certification numbers	
FCC ID	2A2S2-TOKYO
IC	

Equipment Under Test (EUT)			
EUT / Technology	Operating Frequency (GHz)	EIRP Peak power. (dBm)	Antenna Gain (dBi)
FMCW RADAR	122.100	14.4	9

** measurement results are taken from TÜV Nord HF Test report no. 220122648_Rev.01_FCC Part 15.258.

SAR test exclusion according to FCC § 1.1307(b)(3)

SAR test exclusion for 116 – 123 GHz RADAR devices

According to FCC § 1.1307(b)(3)(i)(C) and the Table 1 in (C), the EUT is exempted from SAR evaluation.

Operating Frequency [GHz]	d _{separation} [cm]	Power measured. [mW]	EIRP Power limit [mW]	Exclusion [Yes/No]
122.100	≥20	27.54	6297.6*	Yes

* there is no limit specified above 100 GHz, the used limit is for the frequency range between 1.5 GHz and 100 GHz!

SAR test exclusion according to RSS-102 Issue 5 Section 2.5.2

According to RSS-102 Issue 5 section 2.5.2, if the EUT operates at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p of the device is equal to or less than 5 W (adjusted for tune-up tolerance), then it is exempted from SAR evaluation.

SAR test exclusion for 116 – 123 GHz RADAR devices

Operating Frequency [GHz]	d _{separation} [cm]	Power measured. [mW]	EIRP Power limit [mW]	Exclusion [Yes/No]
122.100	≥20	27.54	5000.0	Yes

ATTESTATION: I attest that the EUT meets the exemption from the routine evaluation limits according to FCC § 1.1307(b)(3) 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 § 1.1307(b)(3) and RSS-102 issue 5.

Signature	
Name	Mr. Ralf Trepper
Designation	Laboratory-Manager
Date of issue	2024-06-26