

# 1 Safety Human Exposure

## 1.1 Radio Frequency Exposure Compliance

### 1.1.1 Electromagnetic Fields

RESULT:

Pass

**Test Specification**

Test standard

: CFR47 FCC Part 2: Section 2.1093  
CFR47 FCC Part 1: Section 1.1310  
FCC KDB Publication 447498 v06, section 7  
RSS-102 Issue 5 February 2021


**a) EUT RF Exposure Evaluation operations for FCC**

Frequency Band (MHz)	Maximum Radiated power*		Threshold power @5mm (mW)	Verdict
	dBm	mW		
2465-2480	-10.25	0.094	10	Compliant
1. The highest E-field is 84.98dB $\mu$ V@3m, i.e. 0.094mW, which much lower than the threshold power. 2. Refer to report CN240AUR 001 for the highest fundamental wave. 3. Antenna Gain: 2.0dBi.				

**b) EUT RF Exposure Evaluation operations for IC**

The Maximum Radiated power of the transmitter is -10.25 dBm (0.094 mW), which is below the SAR exclusion threshold level 4 mW  $\approx$  6.02 dBm.

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

<b>geprüft von:</b> tested by:	X 
<b>Datum:</b> Date: 2024-06-18	
<b>Stellung / Position</b>	Department Manager