



RF Exposure Evaluation according to KDB 447498 D01 v06

Report identification number: 1-5291/22-01-07_MPE_FCC

Certification numbers and labeling requirements	
FCC ID	2AH88-FX1B

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Document authorised:

cn=Alexander Hnatovskiy, o=cetecom
advanced GmbH, ou=HNA-230601,
email=alexander.hnatovskiy@cetecomadv
anced.com, c=DE
2024.03.26 13:58:26 +01'00'

Alexander Hnatovskiy
Lab Manager
Radio Labs

cn=Marco Scigliano, o=cetecom advanced
GmbH, ou=SCI-230601,
email=Marco.Scigliano@cetecomadvanced
.com, c=DE
2024.03.26 11:12:22 +01'00'

Marco Scigliano
Testing Manager
Radio Labs

EUT technologies:

Technologies:	Max. conducted output power: (AVG)	E.I.R.P. power:	Min. pathloss:
Bluetooth	-4.0 dBm	1.5 dBm	0 dB (if applicable)

All results are extracted from test report no. 1-5291_22-01-05.

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 $\leq 50\text{mm}$

$$(\text{Threshold}_{1\text{-g};10\text{-g}}) \times d_{\text{separation}} / f^{0.5}$$

where

Threshold_{1-g;10-g} is 3 for 1-g; 7.5 for 10-g

d_{separation} 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 or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

Technology:	frequency [MHz]	d _{separation} [mm]	Threshold _{1-g}	Powerlimit [mW]	P _{max-declared}		Exclusion
					[dBm]	[mW]	
Bluetooth	2480.00	5	1 g	9.53	1.50	1.41	yes

Conclusion

The limits above are defined for body worn application and therefore cover all use cases. Therefore no minimum distance to the human body is required.