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BNetzA-CAB-02/21-102



DAkkS
Deutsche
Akreditierungsstelle
D-PL-12076-01-03

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

Report identification number: 1-8277/19-01-07 Exclusion (FCC_IC)

Product: PONTO 4 (Sound processor)

contains the module with the following certification numbers

FCC ID	2AHJWPONTO4
IC number	21199-PONTO4
HVIN (Hardware Version Identification Number)	PONTO 4
PMN (Product Marketing Name)	PONTO 4
FVIN (Firmware Version Identification Number)	-/-
HMN (Host Marketing Name)	-/-

This 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 authorised:

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EUT technologies:

Technologies:	Max. rated power: (AVG)
2480 MHz Bluetooth LE	Declared: max 0 dBm*

*) maximum output power declared by the manufacturer

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 $\leq 50\text{mm}$

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

where

$\text{Threshold}_{1\text{-g};10\text{-g}}$ is 3 for 1-g; 7.5 for 10-g

$d_{\text{seperation}}$ 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.

frequency [MHz]	d _{seperation} [mm]	Threshold _{1-g}	Powerlimit [mW]	P _{max-declared}		Exclusion
				[dBm]	[mW]	
2480.00	5	3	9.53	0.00	1.00	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.

frequency [MHz]	d _{seperation} [mm]	tissue volume	Powerlimit [mW]	P _{max-declared}		Exclusion
				[dBm]	[mW]	
2480.00	5	1 g	4.00	0.00	1.00	yes