



CETECOM™

CETECOM ICT Services
consulting - testing - certification >>>

Test Report-No.: 1-1122/16-01-08

FCC ID:	2AEYH0002
IC:	20278-0002
PMN:	CIRCA MotionX
HVIN:	CIRCA MotionX
FVIN	---

SAR test exclusion according to KDB447498 (General RF Exposure Guidance v05)

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 50mm

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

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.

f in [MHz]	d _{seperation} [mm]	Threshold _{1-g}	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
2450.00	5	3	9.58	4.00	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.

f in [MHz]	d _{seperation} [mm]	tissue volume	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
2450.00	5	1 g	4.00	4.00	yes

Note: The maximum declared output power is 0 dBm +/- 4 dB.

CETECOM test report 1-1122/16-01-06 states a maximum gain of 2.0 dBi.