



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

Report identification number: 1-9205/19-01-09-A Exclusion (FCC_ISED)

contains the module with the following certification numbers	
FCC ID	T7V1740A
ISED number	216Q-1740A
HVIN (Hardware Version Identification Number)	ENW89852A1KF
PMN (Product Marketing Name)	PAN1740A
FVIN (Firmware Version Identification Number)	ROM Dialog DA14585
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.

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EUT technologies:

Technologies:	Max. rated power: (AVG)	Max. gain:	Min. pathloss:
Bluetooth LE	Declared: max 0 dBm	-1.7 dBi	0 dB (if applicable)

Note:

Bluetooth LE test results see CTC advanced test report 1-9205/19-02-03 and for antenna gain the WM PAN1740_1740A Module Integration Guide_rev000.pdf document.

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

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

$d_{\text{separation}}$ 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.

frequency [MHz]	$d_{\text{separation}}$ [mm]	Threshold _{1-g}	Powerlimit [mW]	P _{max-declared}		Exclusion
				[dBm]	[mW]	
2450.00	5	3	9.58	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]	$d_{\text{separation}}$ [mm]	tissue volume	Powerlimit [mW]	P _{max-declared}		Exclusion
				[dBm]	[mW]	
2450.00	5	1 g	4.00	2.00	1.58	yes

The limits above are defined for body worn application and therefore cover all use cases.