



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

Report identification number: 1-1812/16-01-11-A

Certification numbers and labeling requirements	
FCC ID	VE2-12PM11
IC number	7173A-12PM11
HVIN (Hardware Version Identification Number)	12PM11
PMN (Product Marketing Name)	Remote Parking Pilot
FVIN (Firmware Version Identification Number)	-/-
HMN (Host Marketing Name)	-/-
Equipment description	Automotive Bluetooth LE Controller for Remote Parking

Version –A: MPE calculation replaced by SAR Exclusion

This test 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 authorized:

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EUT technologies:

Technologies:	Max. power conducted: (AVG)	Max. antenna gain:	Min. pathloss:
Bluetooth Low Energy	Declared: -4 dBm	Declared: 2 dBi	-- (if applicable)

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

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

$d_{\text{separation}}$ 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.

f in [MHz]	$d_{\text{separation}}$ [mm]	Threshold _{1-g}	Powerlimit [mW]	$P_{\text{max-declared}}$ [mW]	Exclusion
2440.00	5	3	9.60	0.63	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]	$d_{\text{separation}}$ [mm]	tissue volume	Powerlimit [mW]	$P_{\text{max-declared}}$ [mW]	Exclusion
2440.00	5	1 g	4.00	0.63	yes