

FCC ID: PQC-SRRFMPBV1

Model: Avalon CL fetal and maternal pod 866488

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 $\leq 50\text{mm}$

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

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 power, adjusted for tune up tolerance. If this is below the calculated value SAR testing is obsolete.

Technologies: **Bluetooth LE 2.4 GHz**
ISM 2.4GHz (SRR)
MBAN (2360 to 2400 MHz)

f in [MHz]	d _{separation} [mm]	Threshold _{1-g}	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
2402.00	5	3	9.68	5.00	yes
2440.00	5	3	9.60	5.00	yes
2397.00	5	3	9.69	5.00	yes
2480.00	5	3	9.53	5.00	yes

Note: None of the technologies can be active at the same time.
The device has only one antenna.



cn=Alexander Hnatovskiy,
o=CETECOM ICT Services
GmbH, ou=HNA-160908,
email=Alexander.Hnatovskiy@
cetecom.com, c=DE
2016.11.18 14:30:35 +01'00'

Alexander Hnatovskiy
Lab Manager – Radio Communications & EMC
CETECOM ICT Services GmbH
Untertürkheimer Str.6-10 - 66117 Saarbrücken - Germany