

WMI Use Cases for Nerve-Tests

Especially the Distances to Human Body

Status : Confidential

Version : 1.3

Date : 15.03.2019

Using a WMI-System in the car, you will have the following normal use-cases :

1. Stay in the car and lay down the mobile on the WMI surface

Precondition, after placement the mobile on the WMI to start the system, some CAN commands from the car are necessary.

After that, the WMI tries to detect via NFC, if an object was placed on the surface (the process does not send out NFC-Commands, the misalignment of the NFC-antenna will be proven). When the detection was successful, the system switch to Qi-detection-mode. If the detection-mode has found a mobile with Qi-standard charging possibility on the WMI, then charging process will start.

The WMI was designed following the Qi standard to charge mobiles prepared for Qi-charging.

But the WMI does not fulfill the whole Qi-standard, therefore no Qi Logo is declared on the WMI and no Qi-certification exists.

If you remove the mobile during charging from the WMI, charging process is stopped.

a) Sitting on the driver seat and steering the car.

○ Distance to	Knee	10cm
○	Leg	10cm
○	Body	50cm
○	Hand	15cm
○	Arm	30cm
○	Head	80cm

b) Sitting on the co driver-seat.

○ Distance to	Knee	10cm
○	Leg	10cm
○	Body	50cm
○	Hand	15cm
○	Arm	30cm
○	Head	80cm

c) Sitting in the fond (left/right) side.

○ Distance to	Knee	10cm
○	Leg	10cm
○	Body	50cm
○	Hand	15cm
○	Arm	30cm
○	Head	80cm