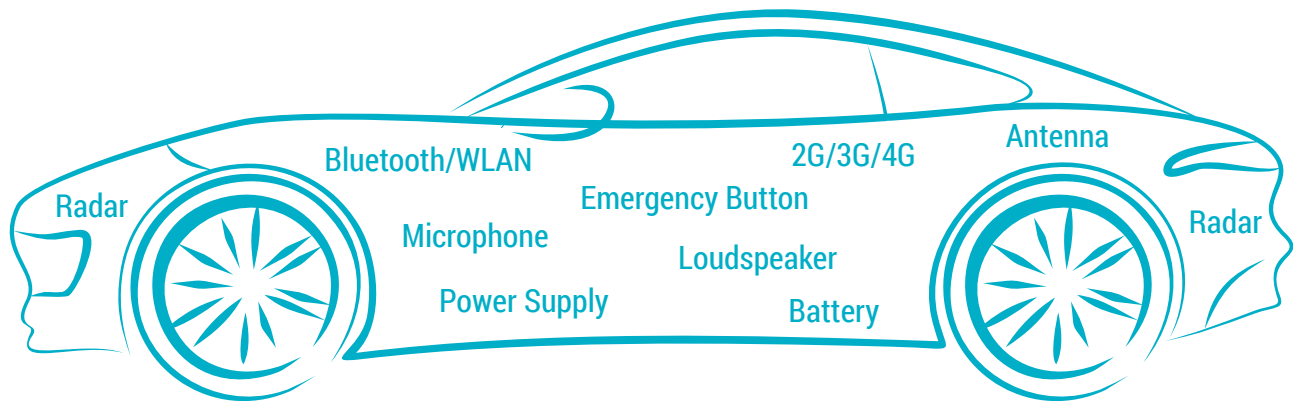


Automotive Testing & Certification

Electrical and Electronic Subassemblies (ESA) in vehicles have become increasingly important in the recent years. They are present in modern vehicles in a large number with various functions and tasks. CTC advanced can both consider regulatory aspects as well as the industry requirements.



AUTOMOTIVE SERVICES AT A GLANCE

- Regulatory EMC testing of electric / electronic subassemblies for motor vehicles
- E-mark (E1, E13) - recognized by KBA and SNCH as a technical service for testing according to UN ECE R 10
- EMC testing following requirements of the automobile industry acc. specification of manufacturer, agriculture and forestry, as well as construction machines

AUTOMOTIVE MANUFACTURER APPROVAL

CTC advanced offers diverse test- and certification services according to manufacturer specifications:

- BMW (GS 95002-2, GS 95002-5)
- MAN (M3285, M3499)
- Mercedes Benz (MBN 10284)
- Peugeot, Citroen (PSA B21 7110)
- Smart (DE 10005B)
- Volvo (STD 515-0003)
- VW, Seat, Skoda, Audi, Porsche (VW80000, TL81000)
- Jaguar Land Rover (JLR-EML-CS)

AUTOMOTIVE COMPONENT APPROVAL

CTC advanced is recognized for E-Mark approval according to:

- e1/E1 (Germany)
- e13/E13 (Luxembourg)

REGULATORY APPROVAL

EMC

- EN 301 489-1
- EN 301 489-3
- EN 301 489-7
- EN 301 489-24

BLUETOOTH / WIFI

- EN 301 489-17

RADIO

- EN 301 511 (GSM)
- EN 301 908-1 (W-CDMA, LTE)
- EN 300 328 (WLAN)
- EN 300 328 (Bluetooth®)
- EN 302 291/ EN 300 330 (RFID)
- EN 300 440-2 (GPS)
- EN 302 288 (24 GHz Radar)
- EN 301 091 (77GHz Radar)

SAFETY

- EN 60950-1
- EN 62368-1

MPE

- EN 62311

BATTERY

- ECE R100-2

CTC ADVANCED IS THE APPROVAL PARTNER FOR THE AUTOMOTIVE INDUSTRY