

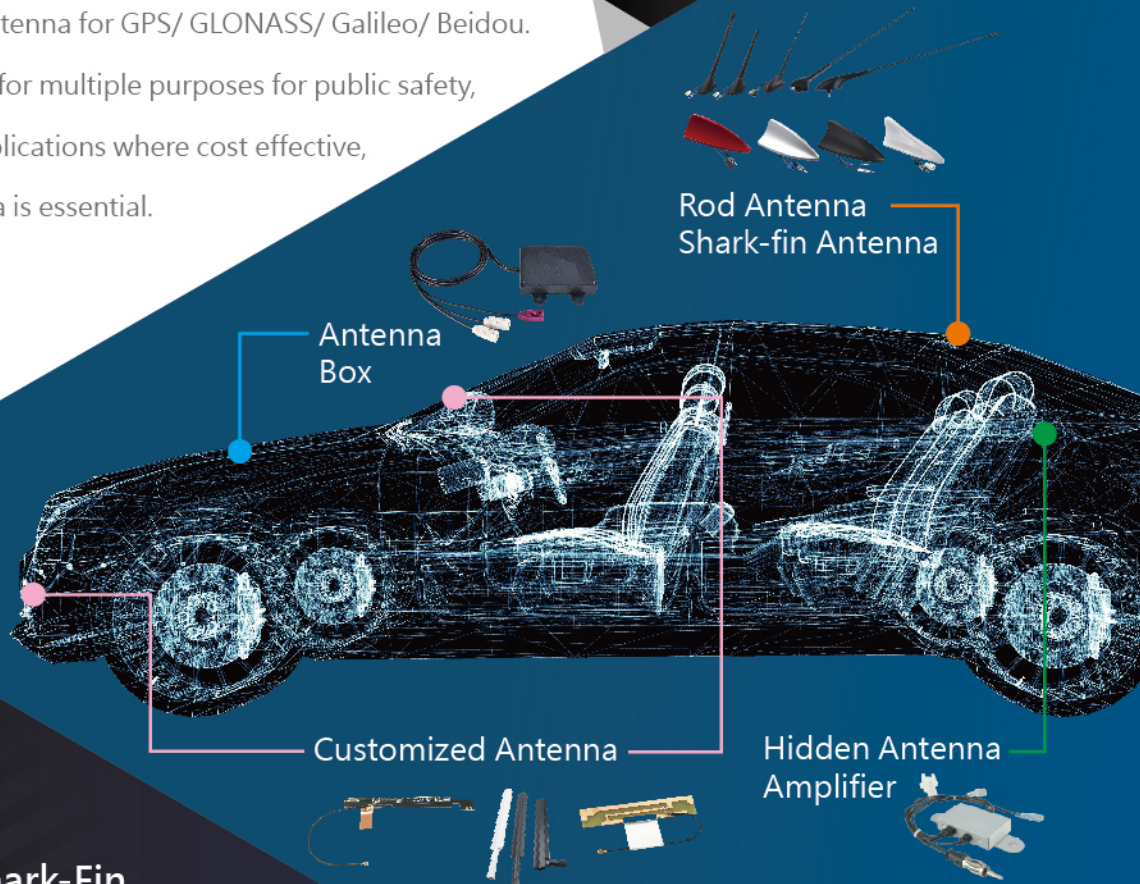
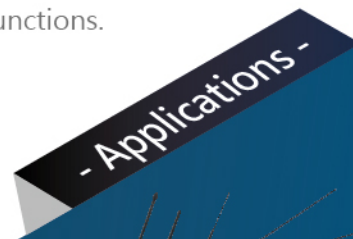
# Automotive Antenna Solution

## - General

Wieson antenna solution is designed for automotive purpose with multi-functions.

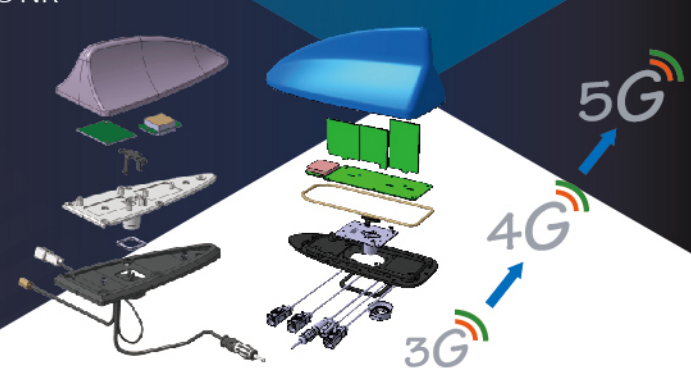
The solutions contain various wireless communication sections, from AM/ FM, GSM, CDMA, WCDMA to the latest 4G/ 2.4GHz/ 5 GHz Wi-Fi and active/ passive antenna for GPS/ GLONASS/ Galileo/ Beidou.

The antennas are designed for multiple purposes for public safety, industrial and transport applications where cost effective, efficient and robust antenna is essential.



## - Multi-Function Shark-Fin Antenna Specification

- Functions : AM/FM + GPS 、 AM/FM + GPS + GSM 、 AM/FM + GPS + 4G LTE 、 AM/FM + GPS + 5G NR
- 4G LTE Frequency Range : 698MHz ~ 960MHz
  - 1710 MHz ~ 2170 MHz
  - 2300 MHz ~ 2690 MHz
  - 3300 MHz ~ 3800 MHz
  - 4800 MHz ~ 5000 MHz
- Peak Gain : Low Band -0~3dBi  
High Band -2~5dBi



## - Multi-Function Antenna Box Specification

- Functions : GPS + 4G LTE/Wi-Fi
- LTE Frequency Range : 698MHz~960MHz  
1710MHz~2690MHz
- Wi-Fi Frequency Range : 2.4GHz~2.5GHz  
4.9GHz~5.9GHz
- Peak Gain : Low Band : 0~3dBi  
High Band : 2~5dBi



## - Rod Antenna & Hidden Antenna Amplifier Specification

- Functions : AM/FM(W Power or W/O Power)
- AM Frequency Range : 0.52~1.71MHz
- FM Frequency Range : 87~108MHz
- AM Gain : -10dB~0dB
- FM Gain : 2dB~10dB



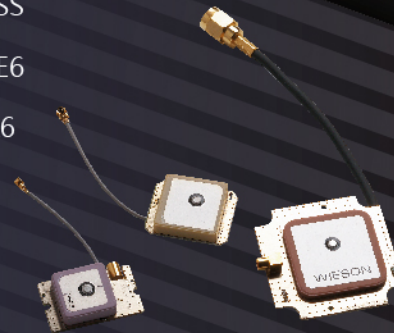
## - Customized Antenna

- Functions : Wi-Fi 、 BT 、 4G LTE 、 5G NR 、 RKE 、 TPMS...etc.

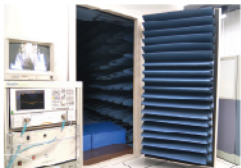


## - GPS/BD/GNSS Antenna Specification

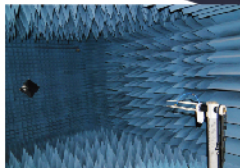
- Function : GPS 、 BEIDOU 、 GLONASS 、 Galileo 、 QZSS
- GPS : L1 、 L2 、 L5                      · Galileo : E1 、 E5a/b 、 E6
- BEIDOU : B1 、 B2 、 B3                · QZSS : L1 、 L2 、 L5 、 L6
- GLONASS : L1 、 L2 、 L3



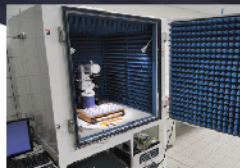
## - Laboratory and Equipment



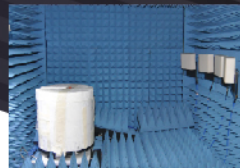
Far Field Chamber



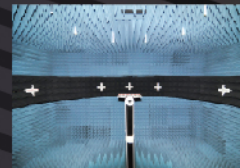
ETS-Lindgren 3D Far Field Chamber



EM- Near Field Chamber



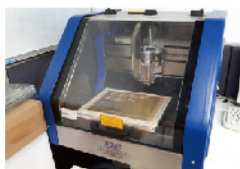
WiFi Throughput Chamber



LTE MIMO OTA



3D Printer



Cutting Machine



Spectrum Analyzer



Network Analyzer



Shielding Box