

China Automotive Technology and Research Center Co., Ltd.
BYD Auto Industry Co., Ltd.
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中国汽车技术研究中心有限公司 China Automotive Technology and Research Center Co., Ltd.



Overview



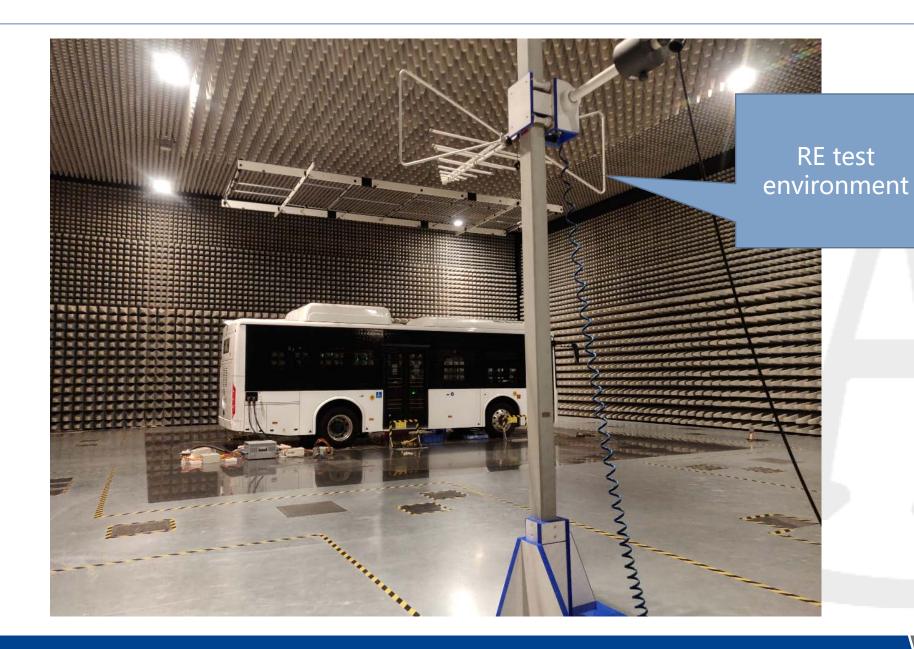
DC-Charging
Station
with current
setting
function



MAX DC-charging current: 125A SOC: 20%-80%

Overview





Comparison for different charging current——Vertical





Vertical polarization:

Date: 20.FEB.2019 16:05:49

Not direct relevant to current setting

Comparison for different charging current——Horizontal





Horizontal polarization: Not direct relevant to current setting

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Need to wait charging current get stabilized





ANT pointing to vehicle center

ANT pointing to DC charging port

Need to wait charging current get stabilized to make the result repetitive

Charging station impact on RE(Peak)





Date: 22.FEB.2019 12:51:51

Beware of the impact of the charging station itself, shielding/filtering are needed to assure at least 6dB below limit

Charging station impact on RE(QP)





Beware of the impact of the charging station itself, shielding/filtering are needed to assure at least 6dB below limit

Summary



- > DC-Charging current is not directly related to EMC performance, 20% current is enough.
- > Need to wait charging current get stabilized to make the result repetitive
- > Beware of the impact of the charging station itself, shielding/filtering are needed to assure at least 6dB below limit





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