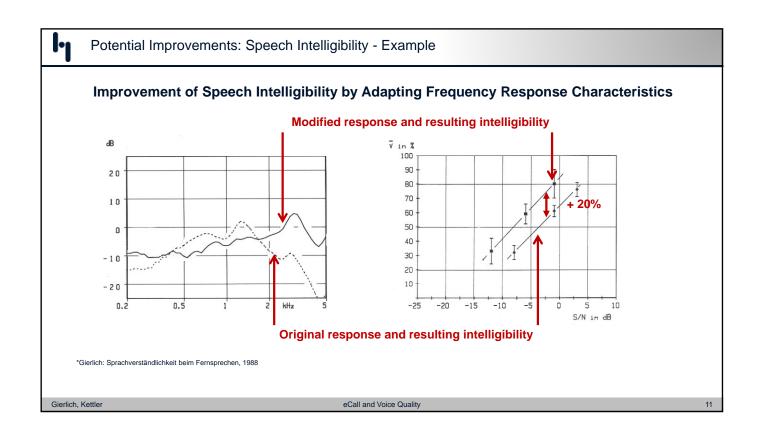
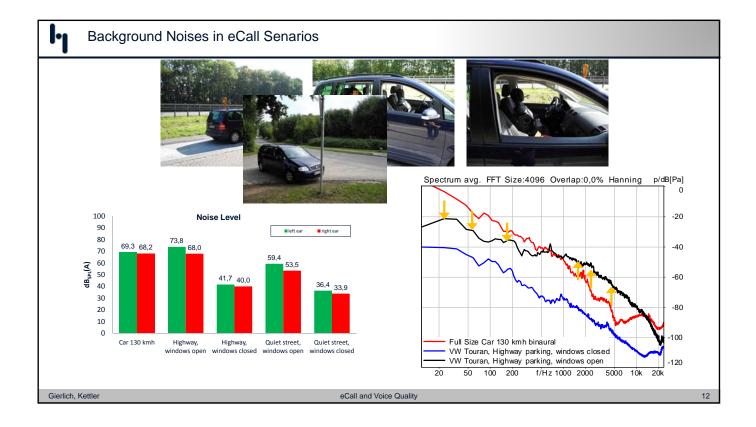
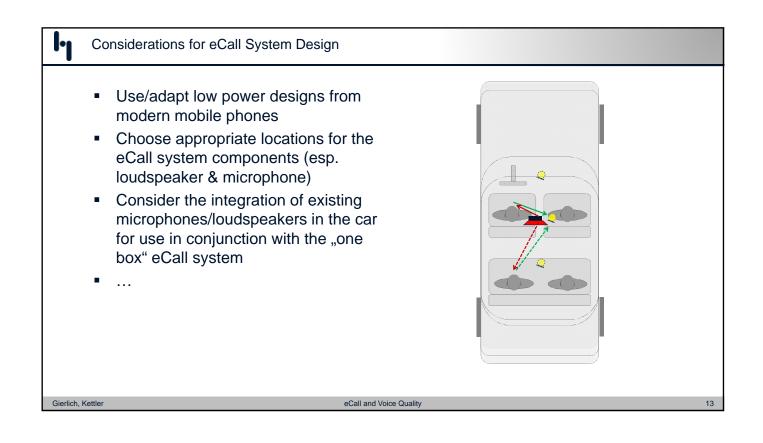


| • Spee | ch Intelligibility in receiving |
|--------|--|
| | |
| | Nore "classical" situation – similar to speech intelligibility in rooms |
| • P | otential application of existing methods such as |
| • | SII (speech intelligibility index), |
| | STIPA (speech transmission index for public address systems) |
| | RASTI (rapid speech transmission index) |
| • Spee | ch Intelligibility in sending |
| • N | lo well performing objective test method available |
| | Performance evaluation potentially possible using "second order" arameters such as |
| | Optimized frequency response characteristics, |
| | Evaluation of switching and double talk performance with focus on speech intelligibility |
| | Consideration of eCall relevant noise types |







| ŀ | Required Actions in Standardization |
|---------------|---|
| | Most efficient solution: develop a standard specifically targeted to emergency call systems Base work on existing ITU-T standards P.1100 and P.1110 Modify existing requirements and adapt testing procedures where needed Remove less relevant parameters |
| | Amend new standard by new parameters and testing procedures where needed especially for speech intelligibility |
| | Potential home for the work: |
| | ITU-T SG12 – Q.4 dealing with "Hands-free communication and user interfaces in vehicles" |
| | ETSI TC STQ |
| | use this standard as baseline standard for emergency call systems |
| Gierlich, Ket | ler eCall and Voice Quality 14 |

