







#### SG REC©RDS

5G for Live Audio Production

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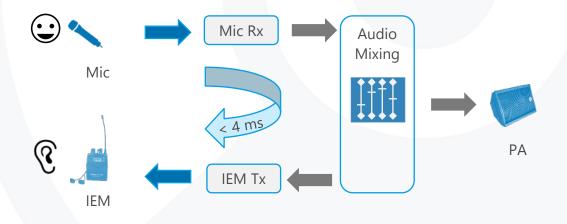
# **Live Audio Production**

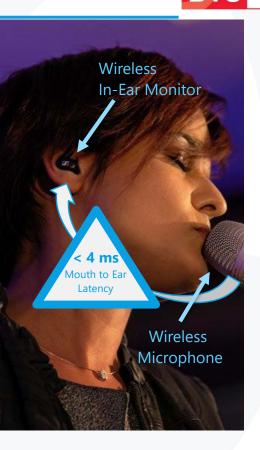


# **Use Case Requirements**

#### • The wireless mouth to ear latency

- Artist is source and sink of audio!
- Sound is also traveling directly via the bone and body, and indirectly via room reflections (isolating headphones required)
- Jitter-free turn-around streaming latency < 4 ms on application layer</li>
- Network latency < 1ms</li>





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> Technolog Society

### **Use Case Requirements**





# **5G RECORDS Goals**



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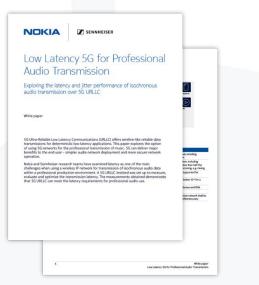
#### Goal

 Research the feasibility of utilizing 5G as technology for wireless ultra-low latency audio devices

> https://www.bell-labs.com/institute/white-papers/lowlatency-5g-professional-audio-transmission/

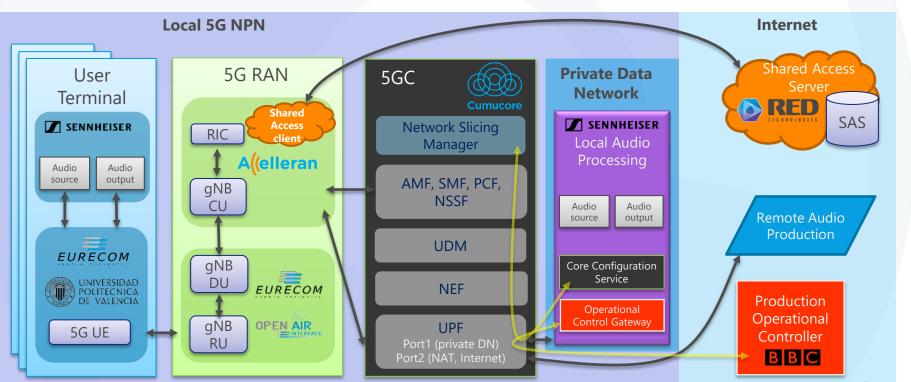
## D Focus

- Latency in multi-devices setups (< 10)</li>
- Synchronisation



# High Level Architecture



















#### 5G-RECORDS Channel

# Thanks for your attention! Any questions?

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