

Evaluation items for PHY

NTT Wireless Systems Laboratories

Masahiro Morikura

morikura@mhosun.wslab.ntt.co.jp



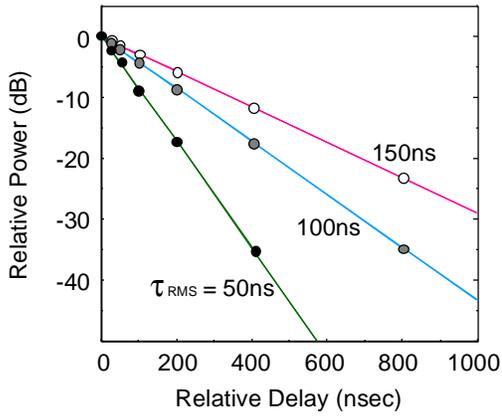
Evaluation items for PHY

Following subjects should be taken into account

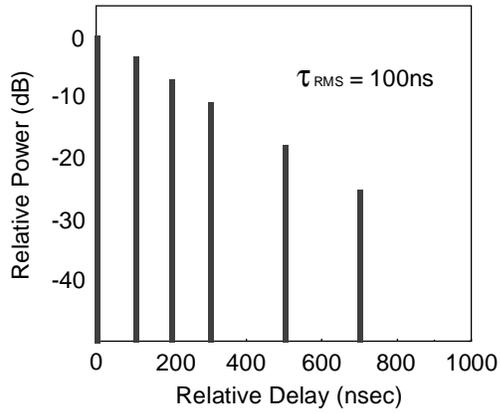
- **Frame Error Rate**
(we should establish data frame model for evaluation)
- **Power consumption** (including microwave section)
- **Hardware size** (e.g. gate number of baseband digital circuit)



Examples of Multipath Channel Model



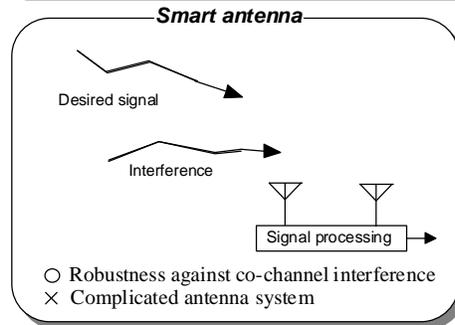
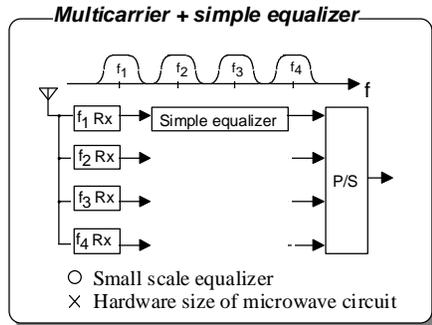
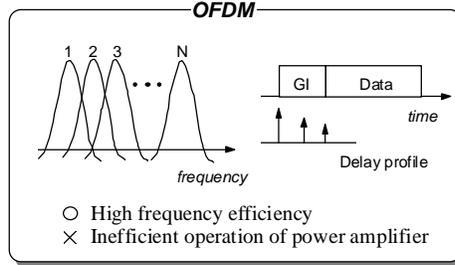
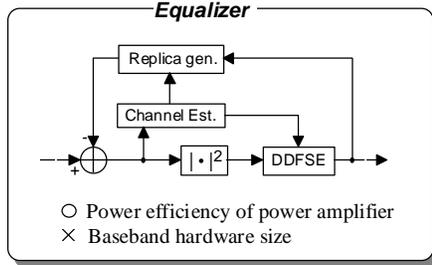
HIPERLAN model



IMT-2000/FPLMTS model
(Indoor channel B)



Multipath countermeasure



Examples of Frequency Allocation Plan

U-NII bands 5.15 - 5.25 GHz (100MHz)
 5.25 - 5.35 GHz (100MHz)
 5.725 - 5.825 GHz (100MHz)

Four carriers in each 100 MHz band

