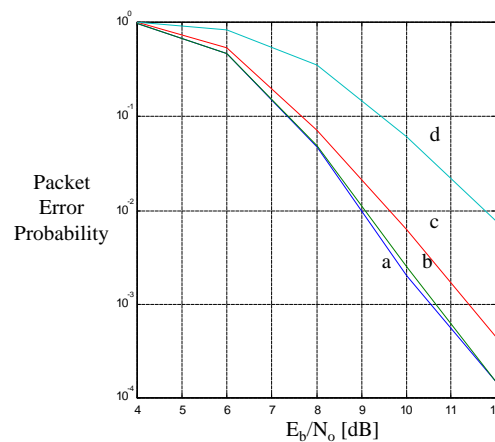


OFDM for 5 GHz

- OFDM in process of resolving issues to get 75% Approval
- Most technical issues resolved at the May meeting, detailed description of questions and answers in the minutes
- Remaining technical issues: Plots of quantization effects
- BRAN OFDM Standard

Effect of Quantization



a) No quantization, b) 6 bits, c) 5 bits, d) 4 bits

July 5, 1998

doc.: IEEE 802.11-98/261

ETSI BRAN

- New HiperLAN-II standard most likely OFDM; 6 out of 8 proposals are OFDM based
- IEEE OFDM standard provides opportunity for dual-mode equipment
- IEEE OFDM parameters may influence BRAN to choose similar parameters (e.g. most proposals already mention 48 subcarriers like in IEEE)

Submission

Slide 3 R. van Nee, Lucent, H. Takanashi and M. Morikura, NTT

July 5, 1998

doc.: IEEE 802.11-98/261

75% Approval for OFDM

- NTT and Lucent made certain tradeoffs in choosing the OFDM parameters, but are open to changes from other 802.11 people
- Example of choices and tradeoffs are bit rate versus number of channels, type of coding, training, etcetera.
- Get 75% approval now for OFDM as the basic modulation type, so technical discussion on parameter set can start

Submission

Slide 4 R. van Nee, Lucent, H. Takanashi and M. Morikura, NTT