

# Evaluation Results

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Feb. 1998

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# Merged Proposal

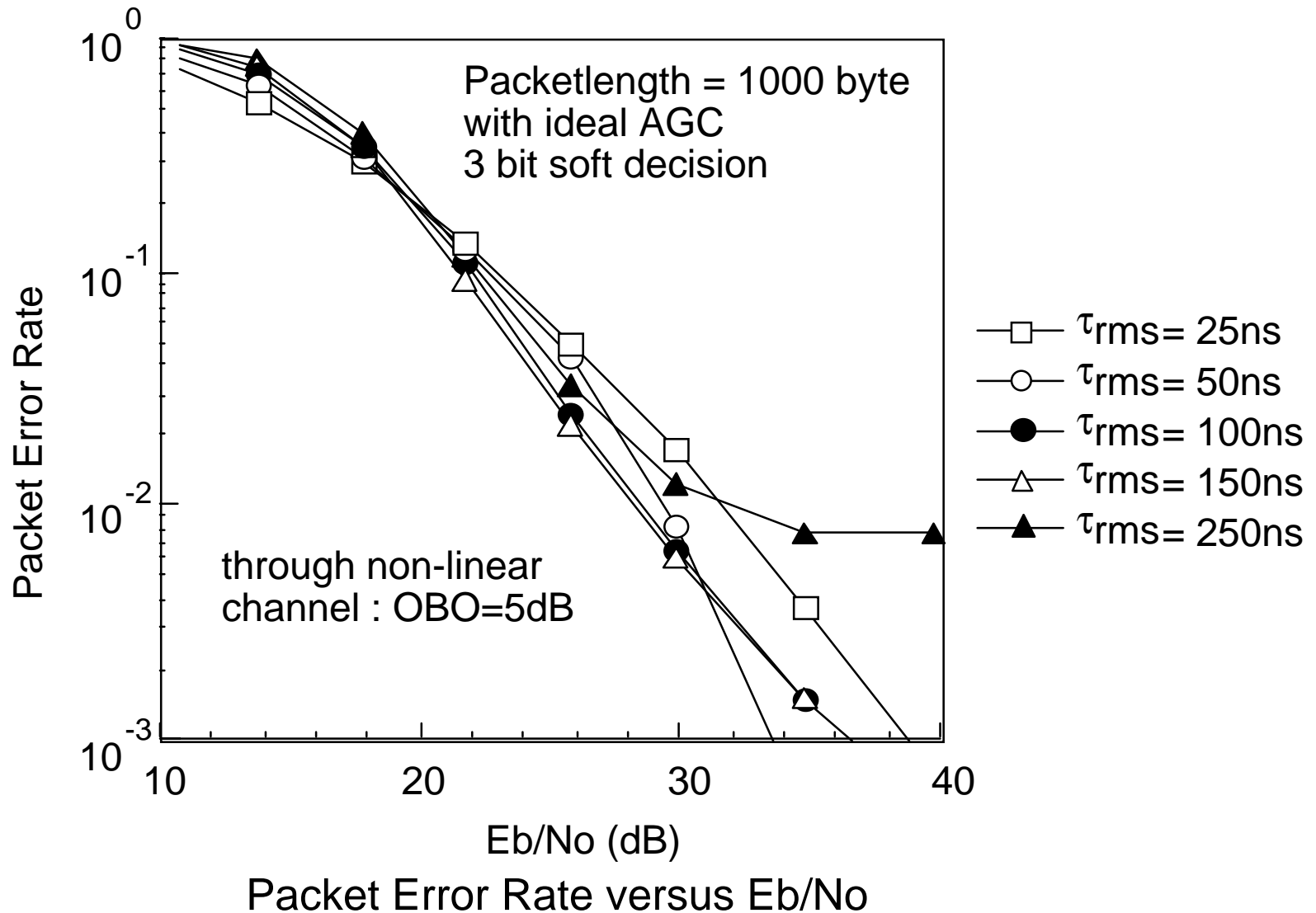
-Former proposals by Lucent Tech. and NTT is merged into one proposal that describes in a draft of full document uploaded on the same ftp site.

-Evaluations of 16-QAM are reported by Lucent Tech, evaluations of DQPSK and DBPSK are reported herewith.

# Results of DQPSK, $r=3/4$ (15 Mbit/s)

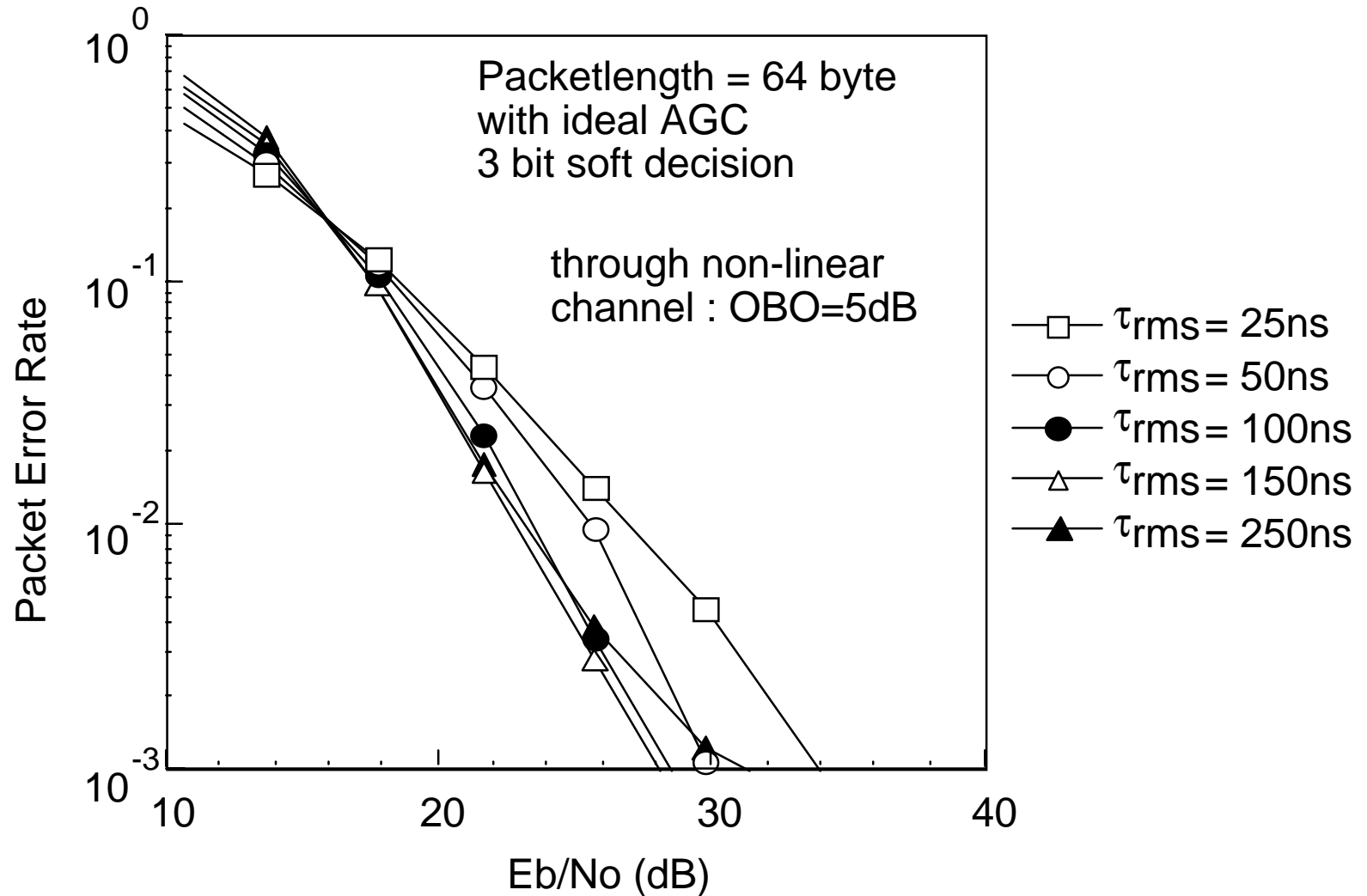
# Packet Error Rate in Multipath Propagation with AWGN

(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



# Packet Error Rate in Multipath Propagation with AWGN

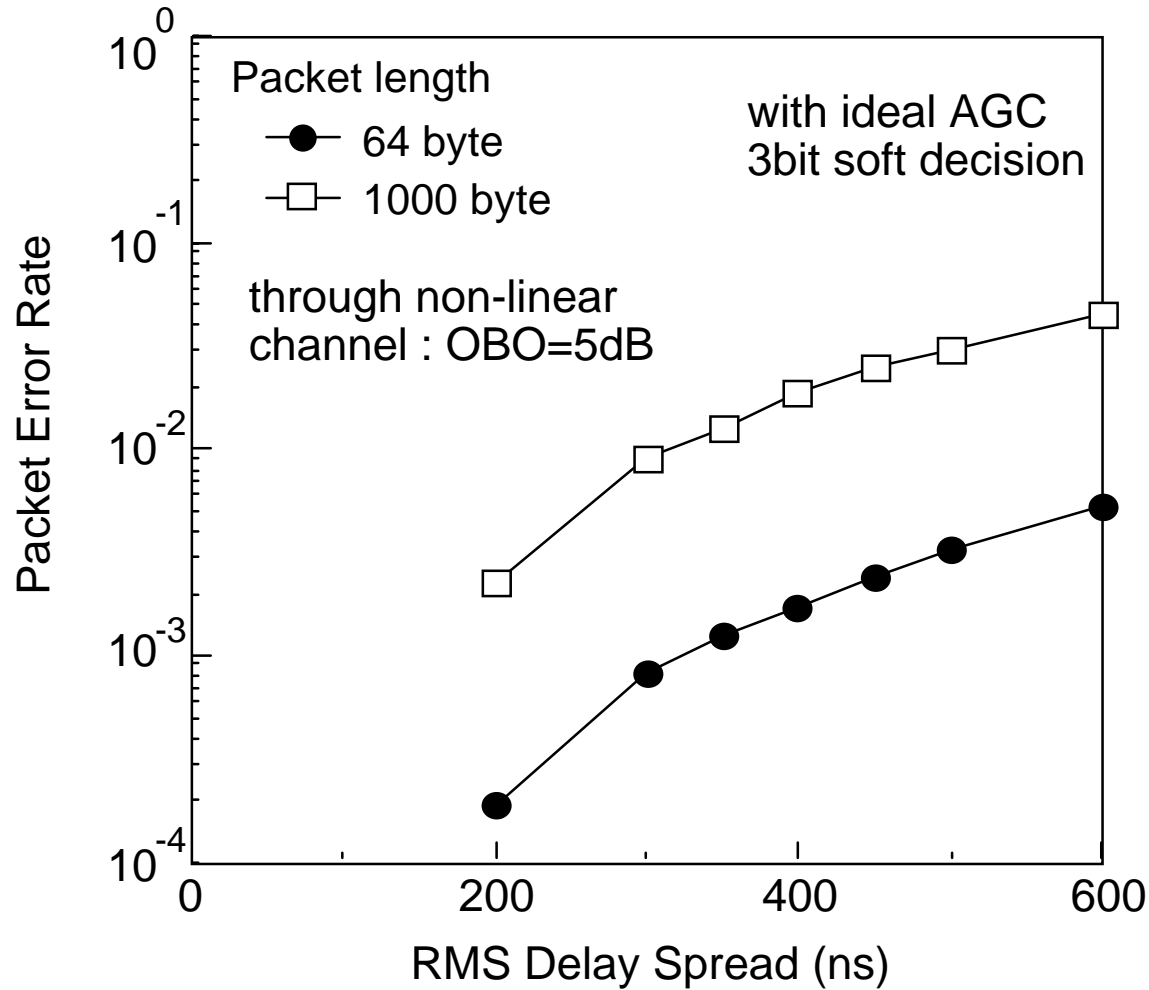
(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



Packet Error Rate versus Eb/No

## Packet Error Rate in Multipath Propagation

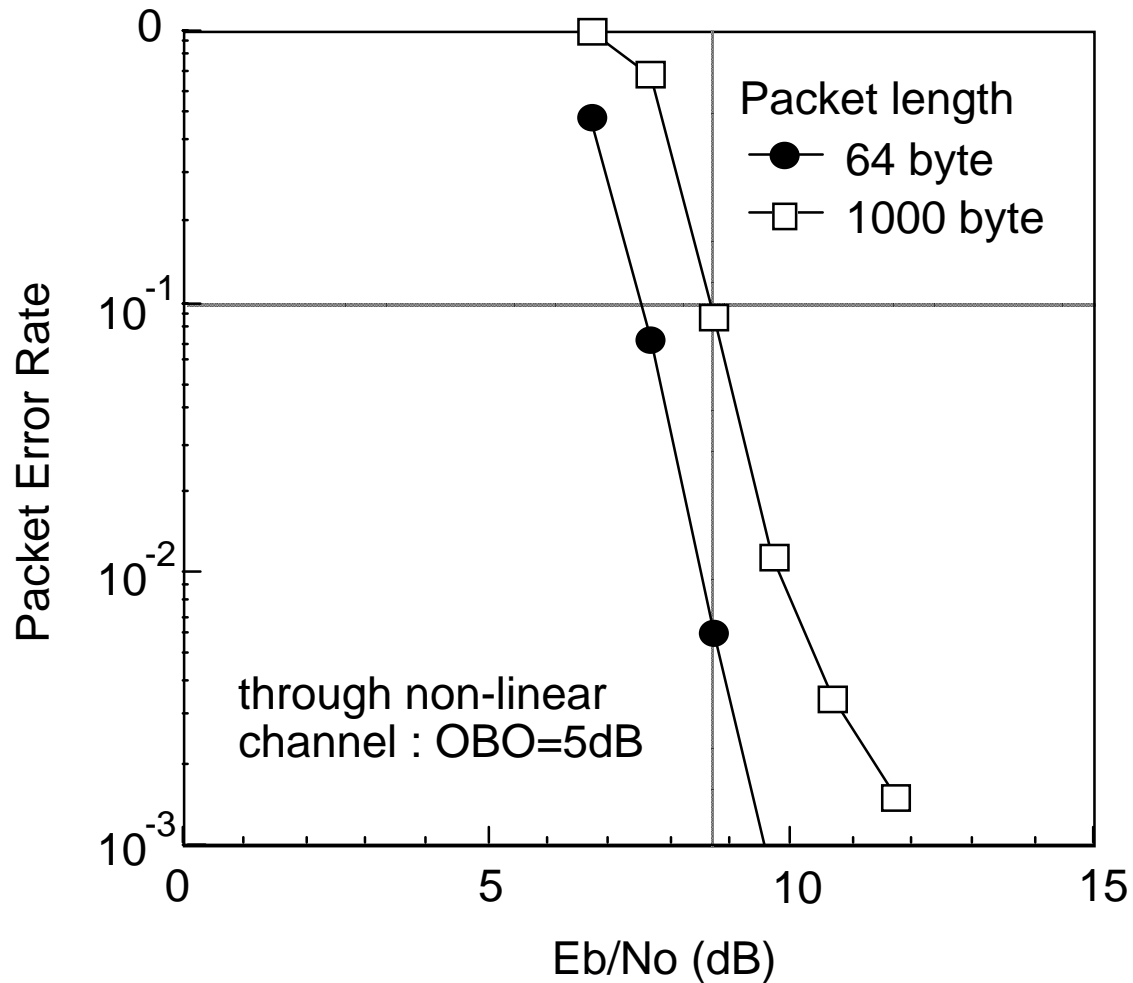
(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



Packet Error Rate versus RMS Delay Spread

# Packet Error Rate with AWGN

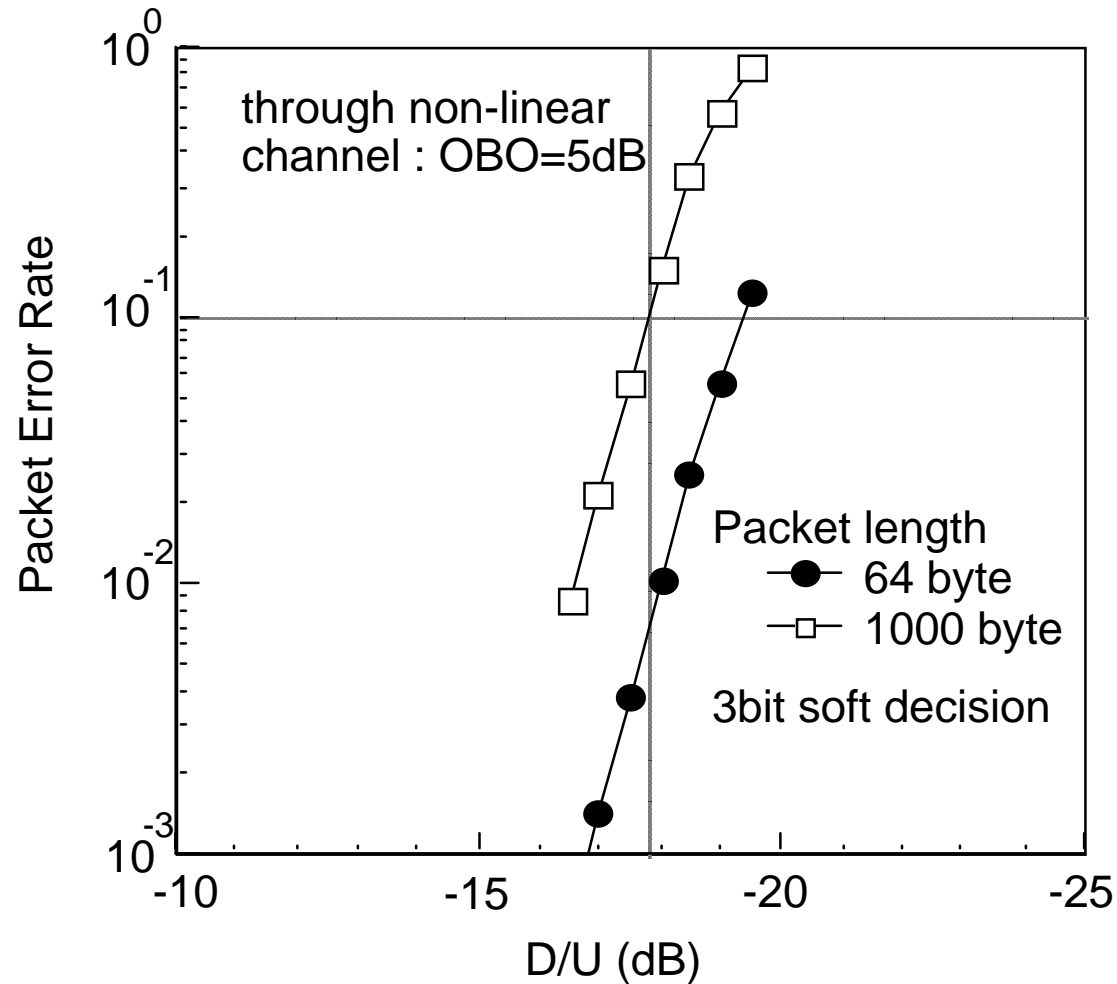
(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



Packet Error Rate versus Eb/No

# Packet Error Rate with Adjacent Channel Interference

(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)

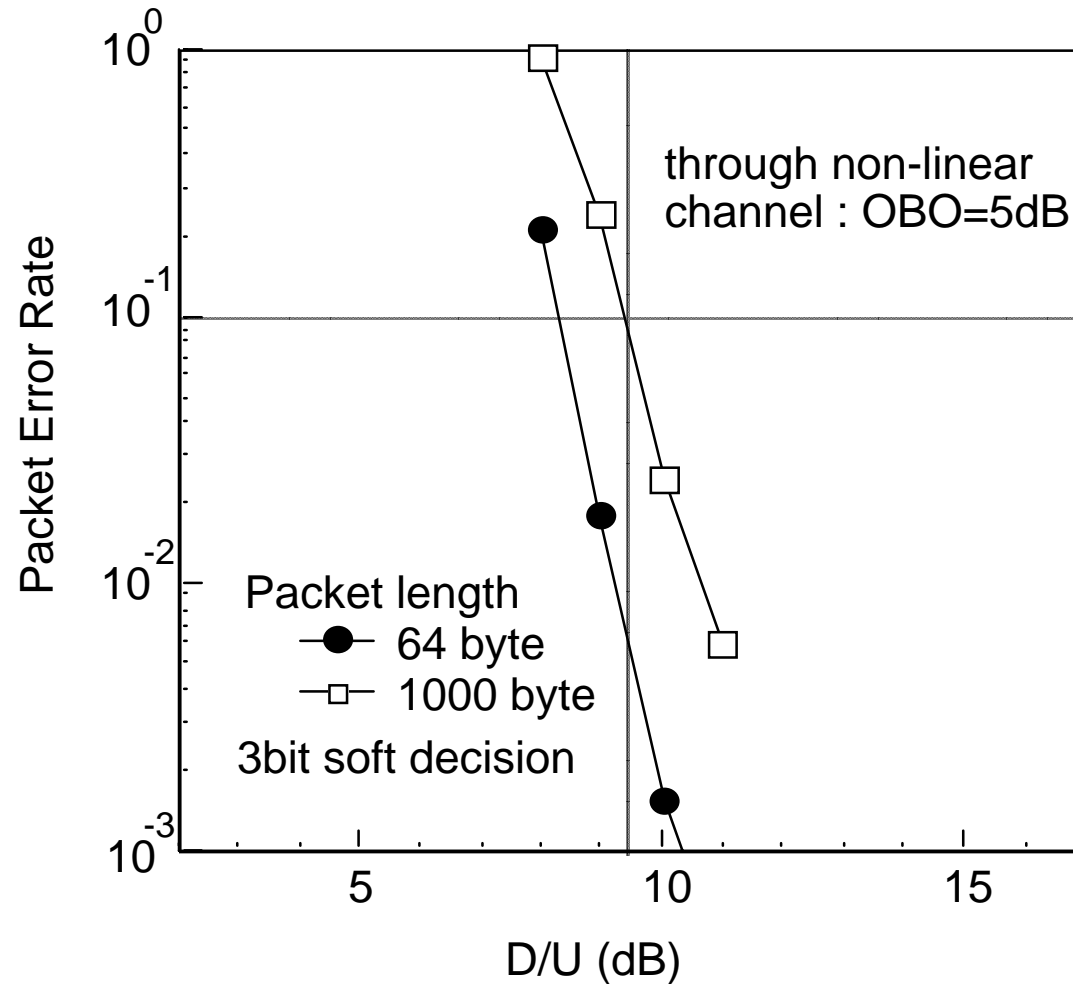


Packet Error Rate versus D/U ratio



# Packet Error Rate with Co-Channel Interference

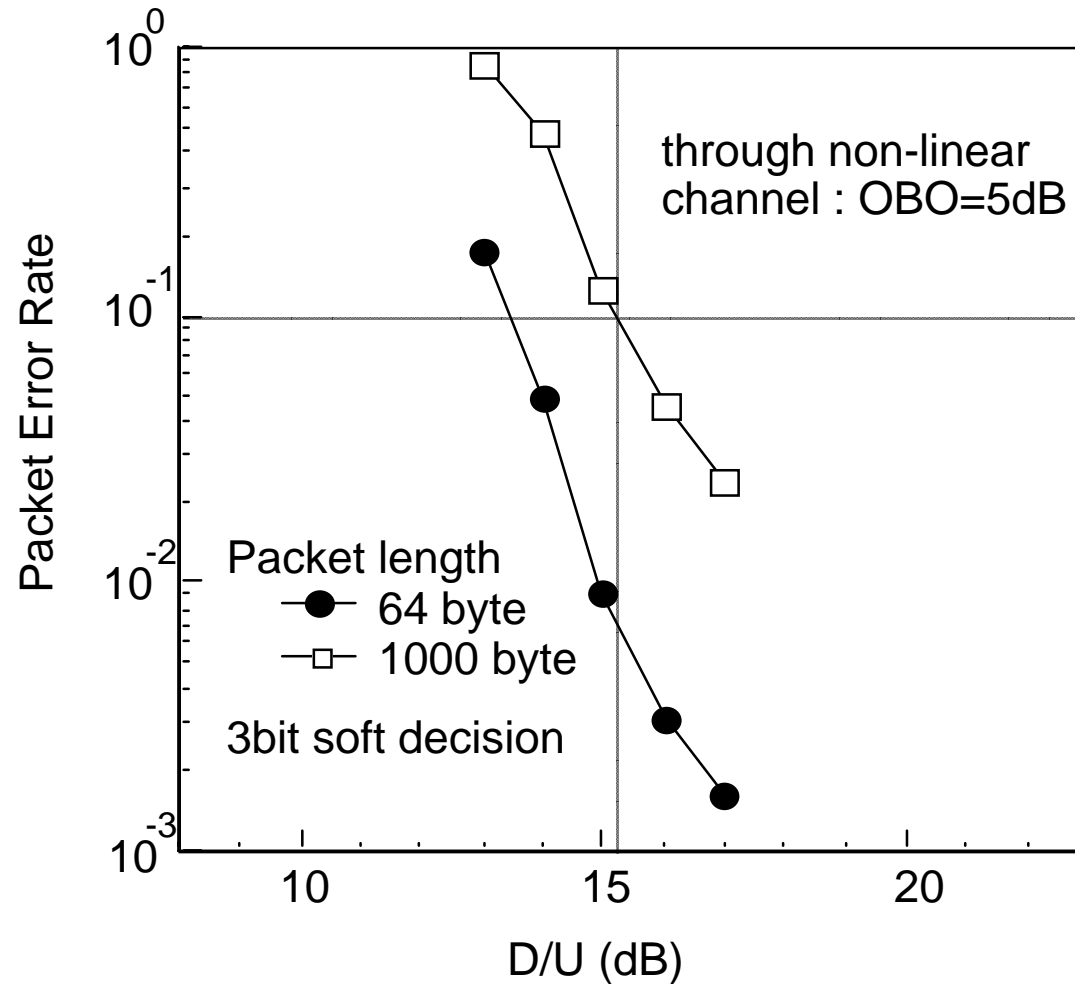
(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



Packet Error Rate versus D/U ratio

# Packet Error Rate with CW Interference

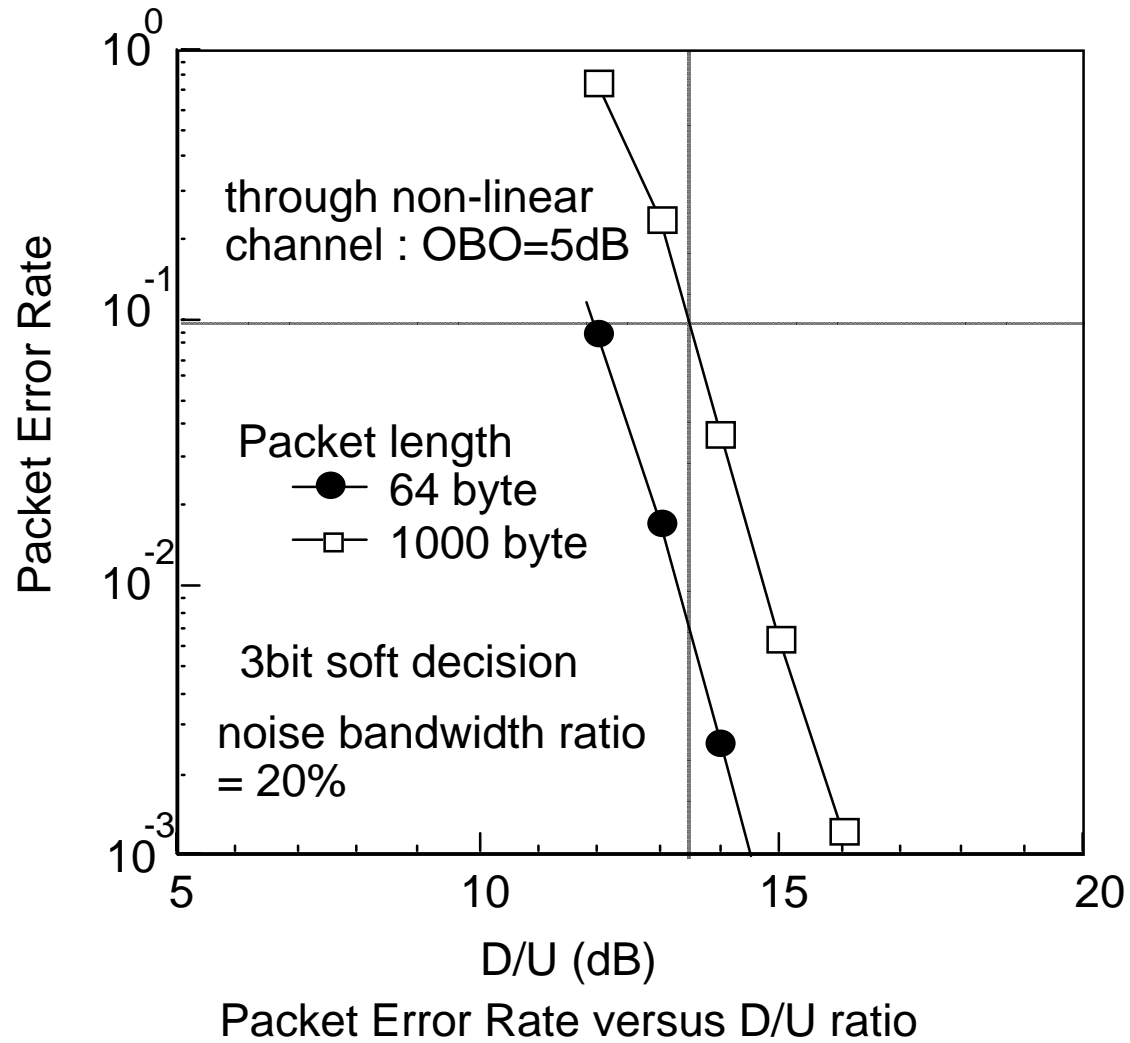
(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



Packet Error Rate versus D/U ratio

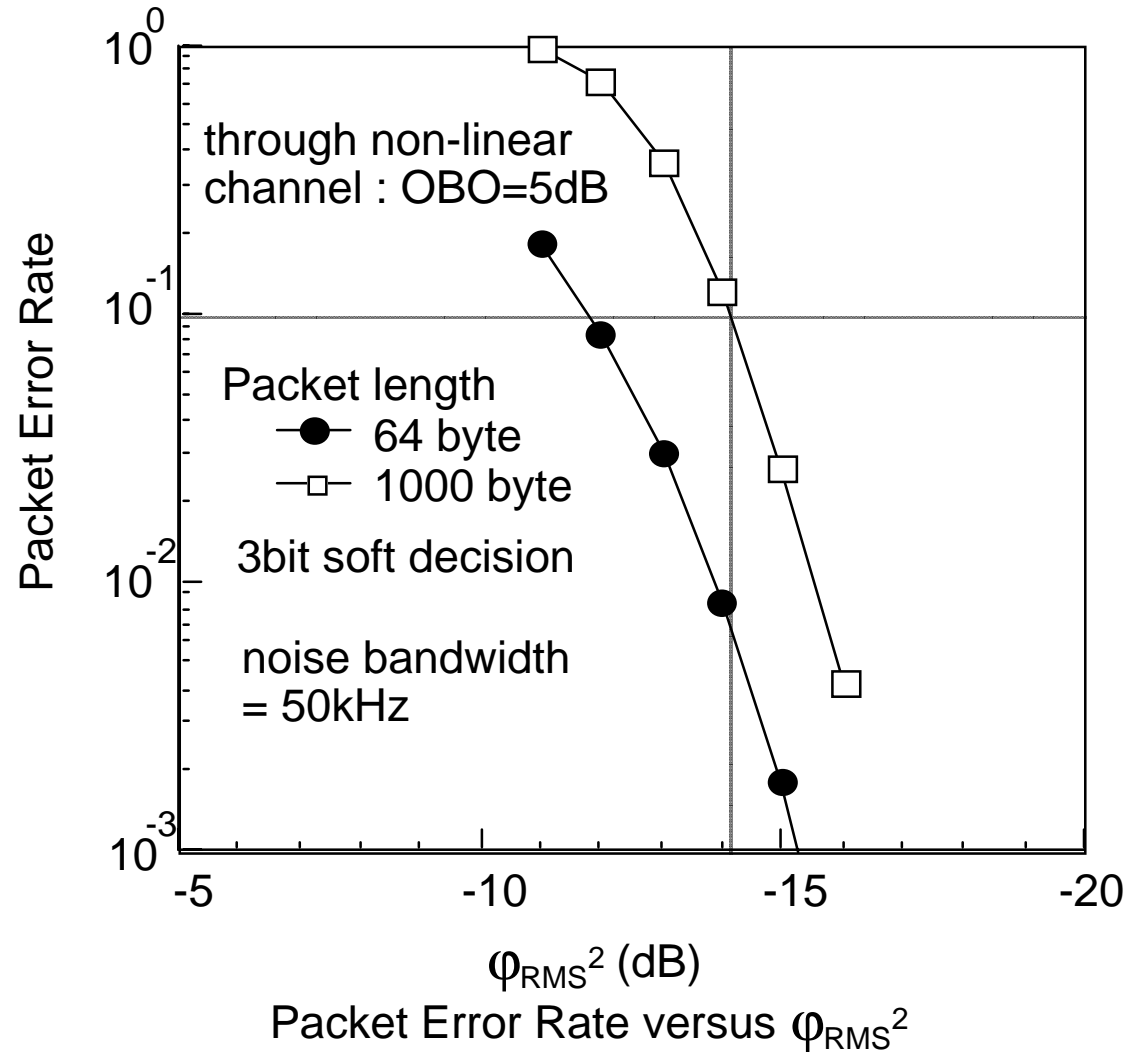
# Packet Error Rate with Narrowband Gaussian Noise Interference

(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



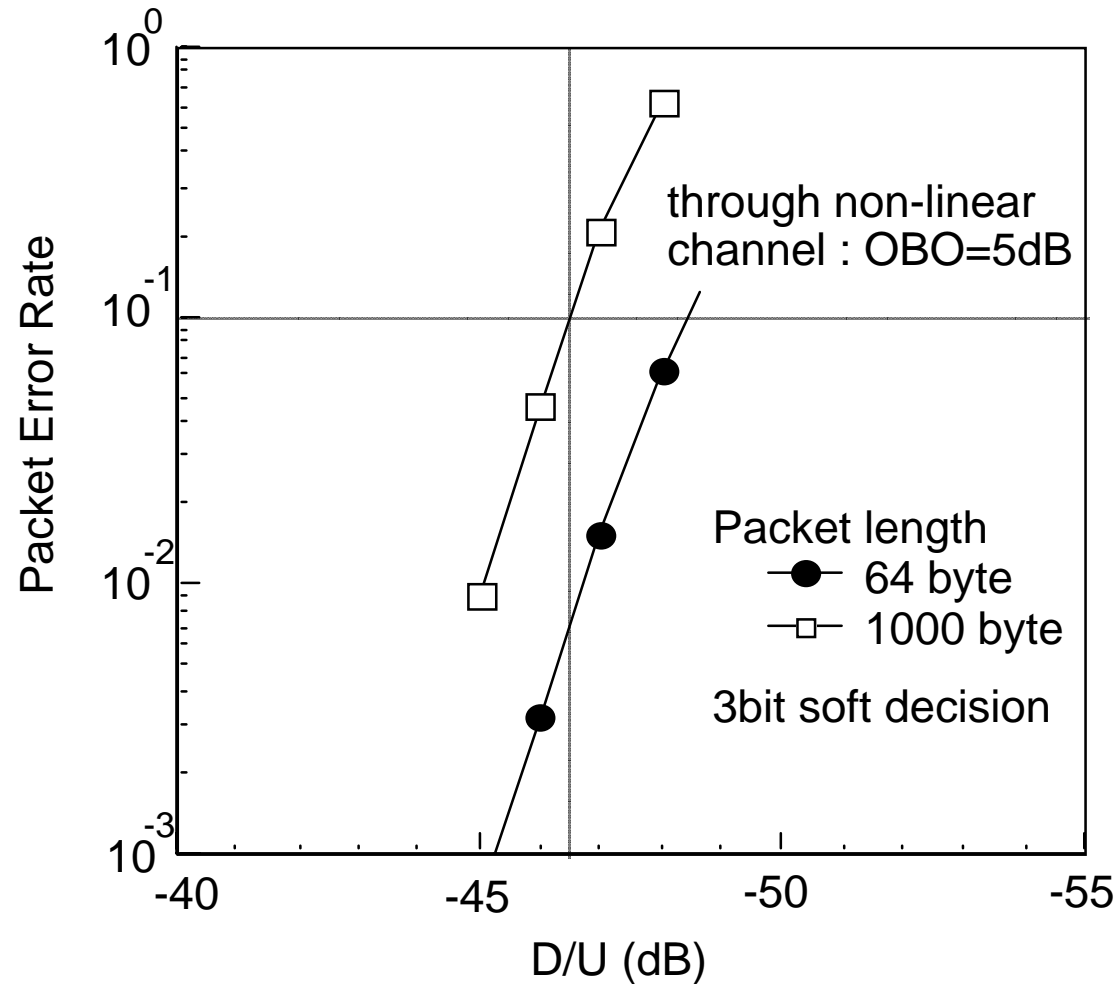
# Packet Error Rate with Phase Noise

(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)



# Packet Error Rate with Alternate Channel Interference

(DQPSK-OFDM Information data rate = 15Mbit/s, Coding rate = 3/4)

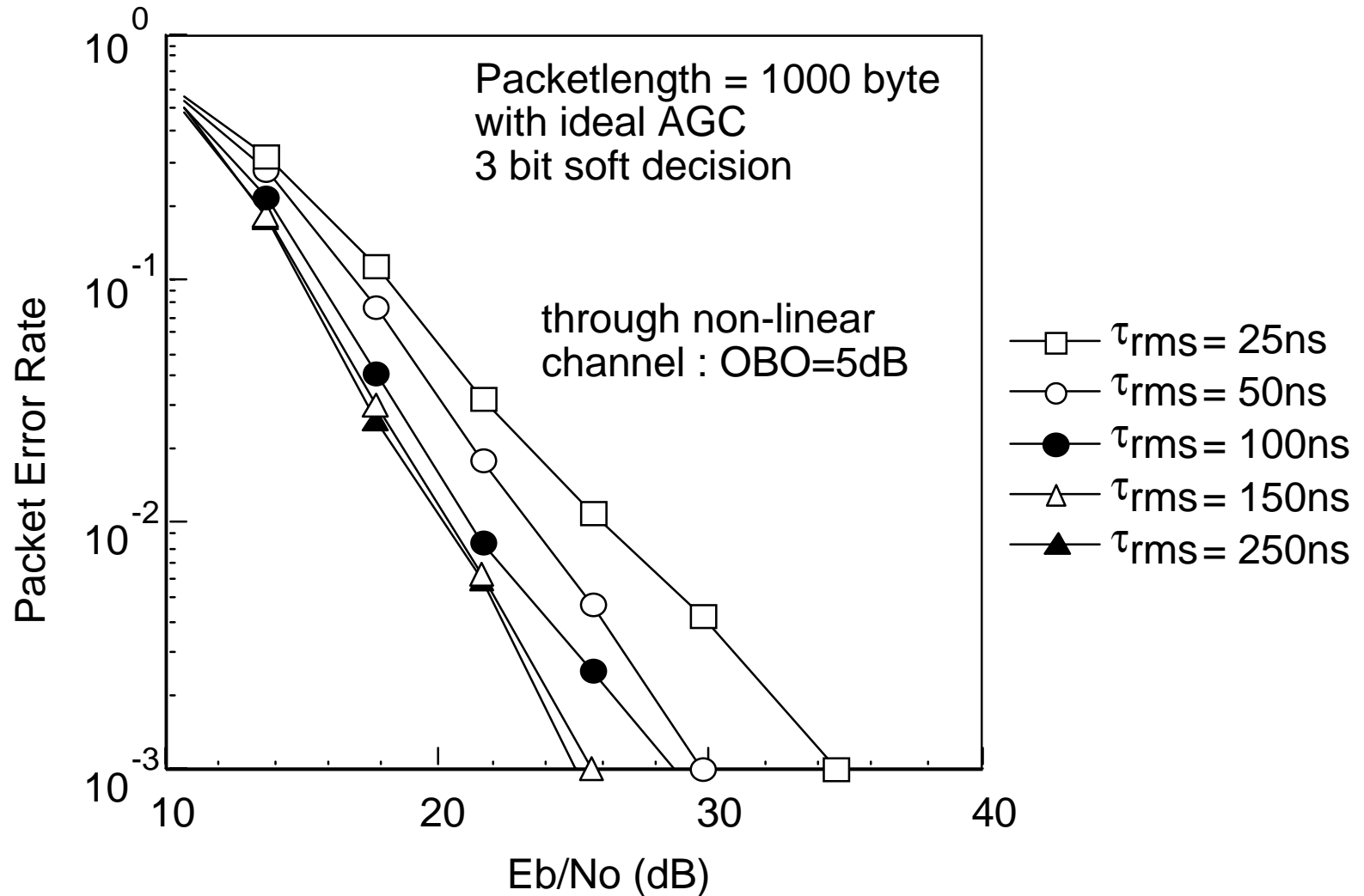


Packet Error Rate versus D/U ratio

# Results of DQPSK, $r=1/2$ (10 Mbit/s)

# Packet Error Rate in Multipath Propagation with AWGN

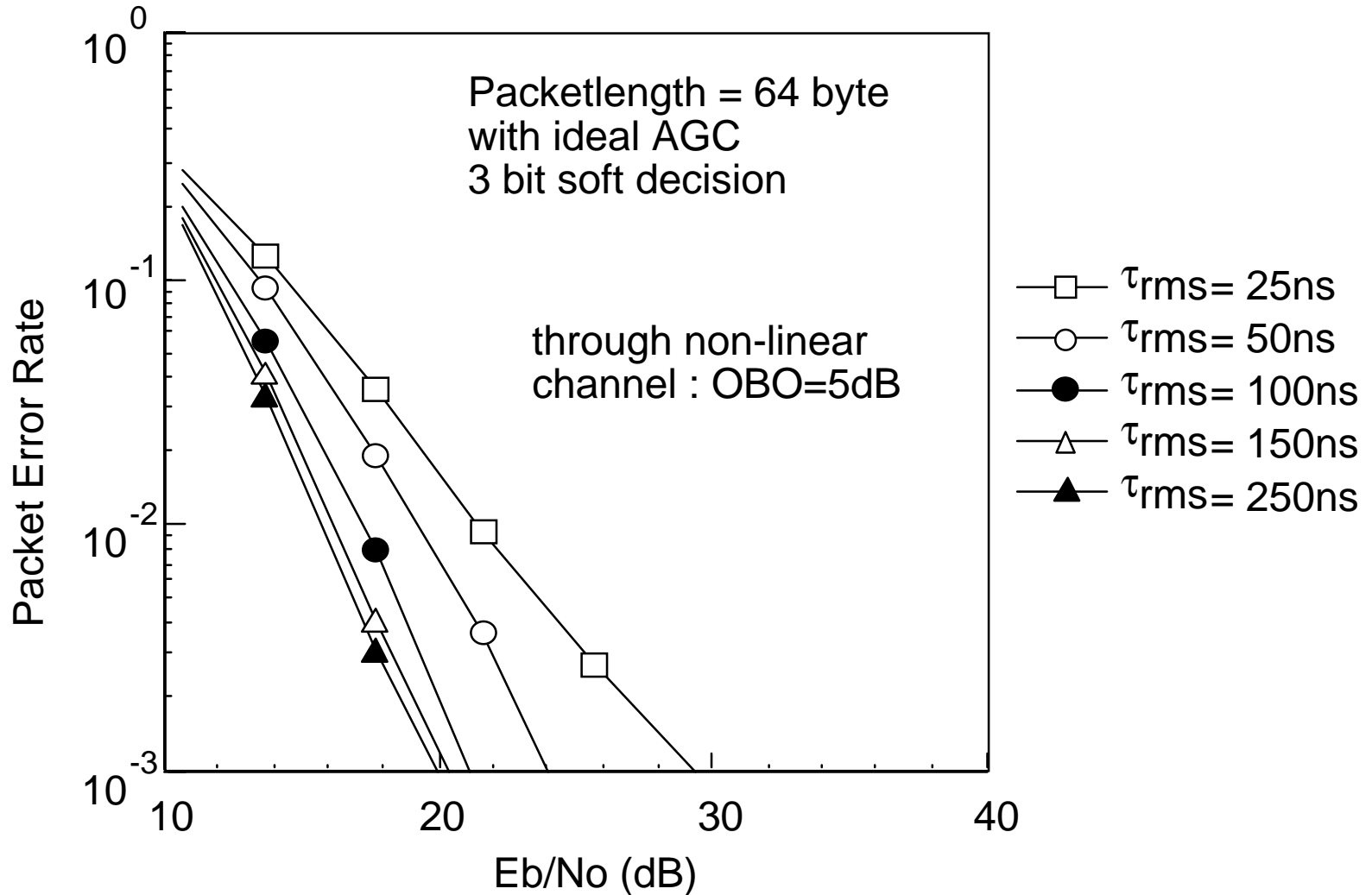
(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



Packet Error Rate versus Eb/No

# Packet Error Rate in Multipath Propagation with AWGN

(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)

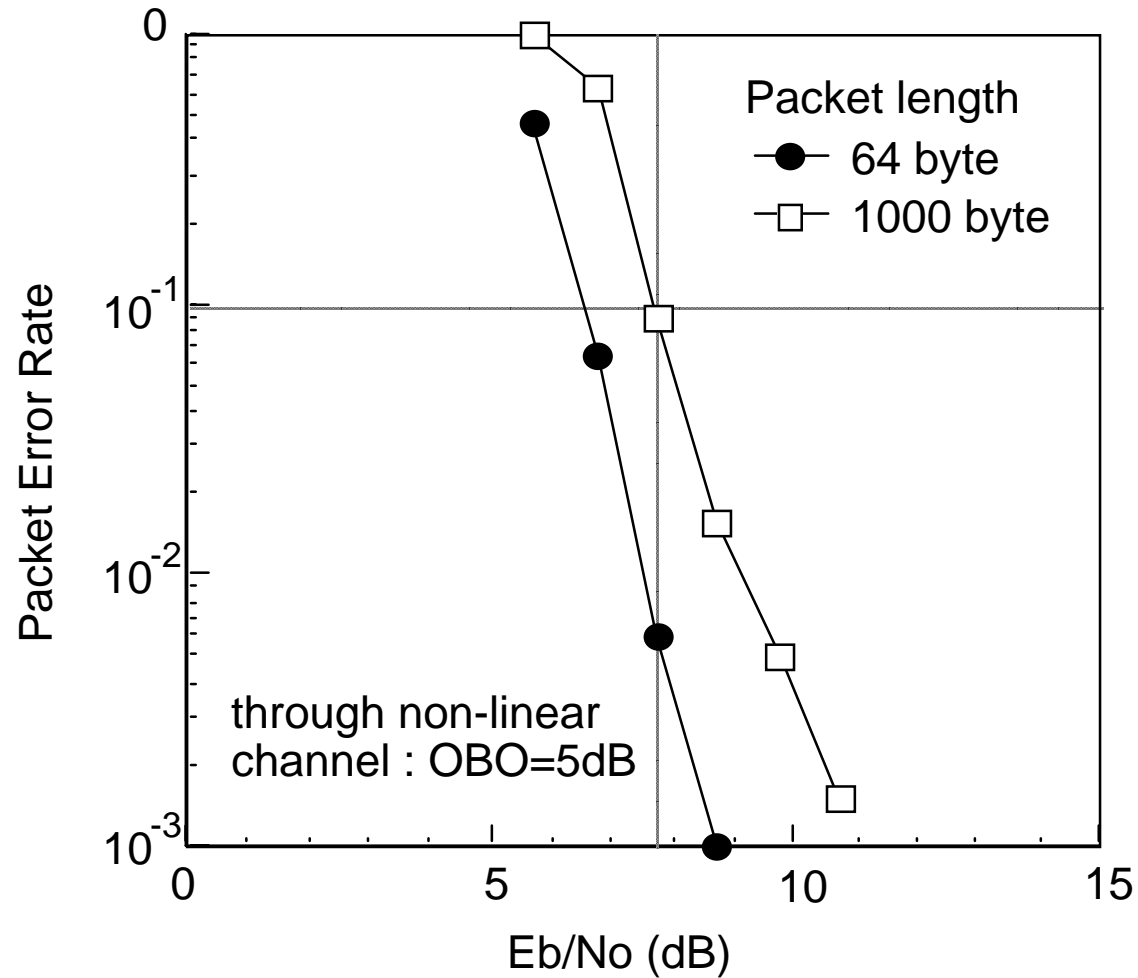


Packet Error Rate versus Eb/No



### Packet Error Rate with AWGN

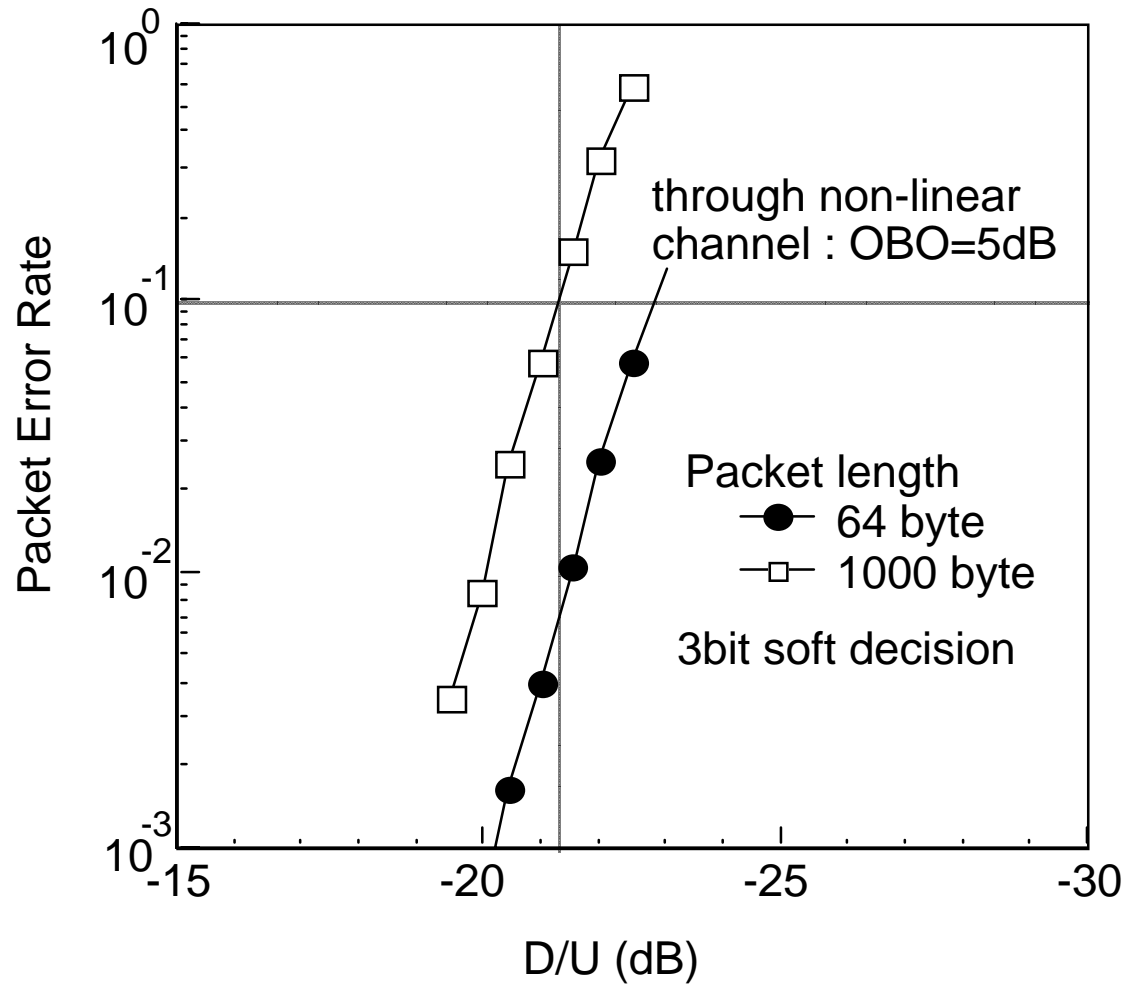
(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



Packet Error Rate versus Eb/No

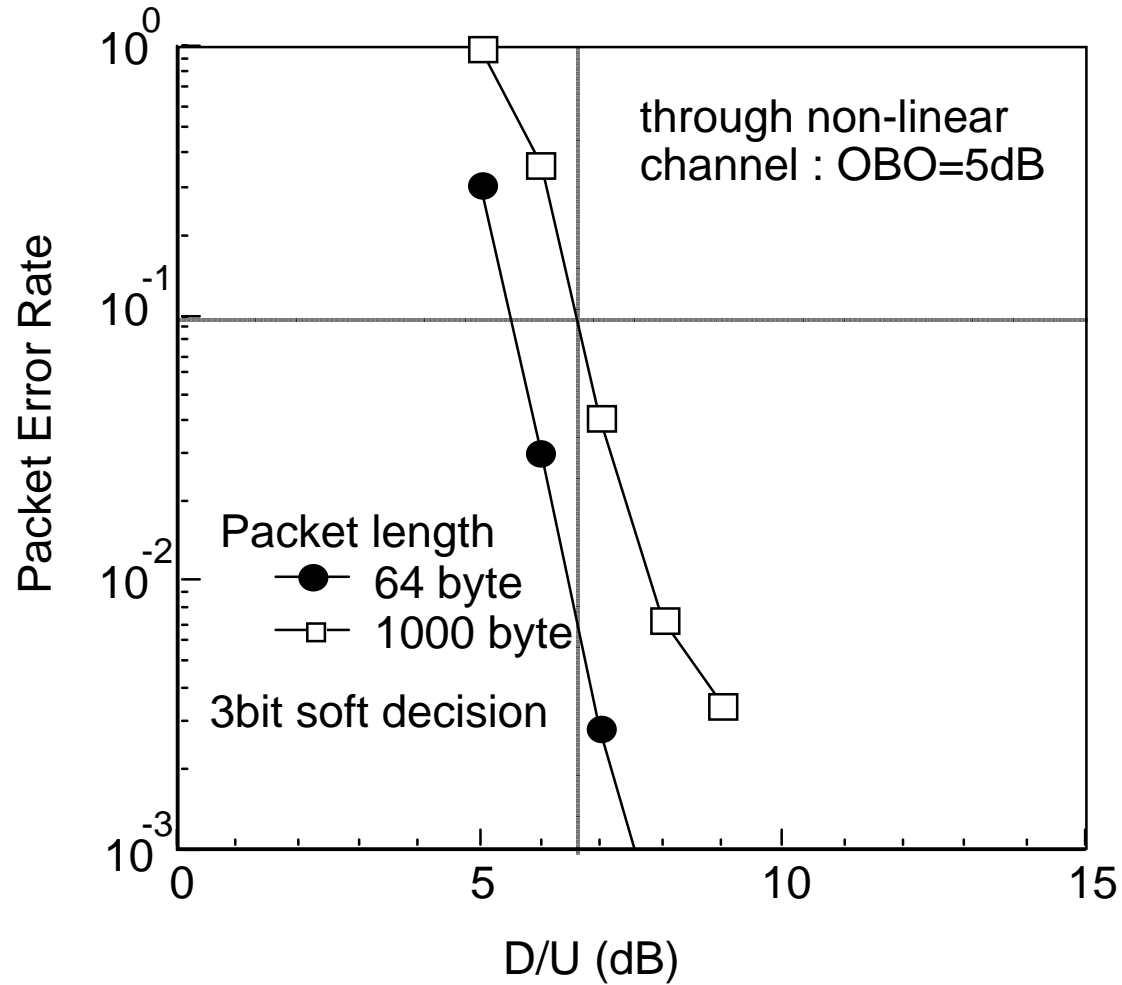
# Packet Error Rate with Adjacent Channel Interference

(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



# Packet Error Rate with Co-channel Interference

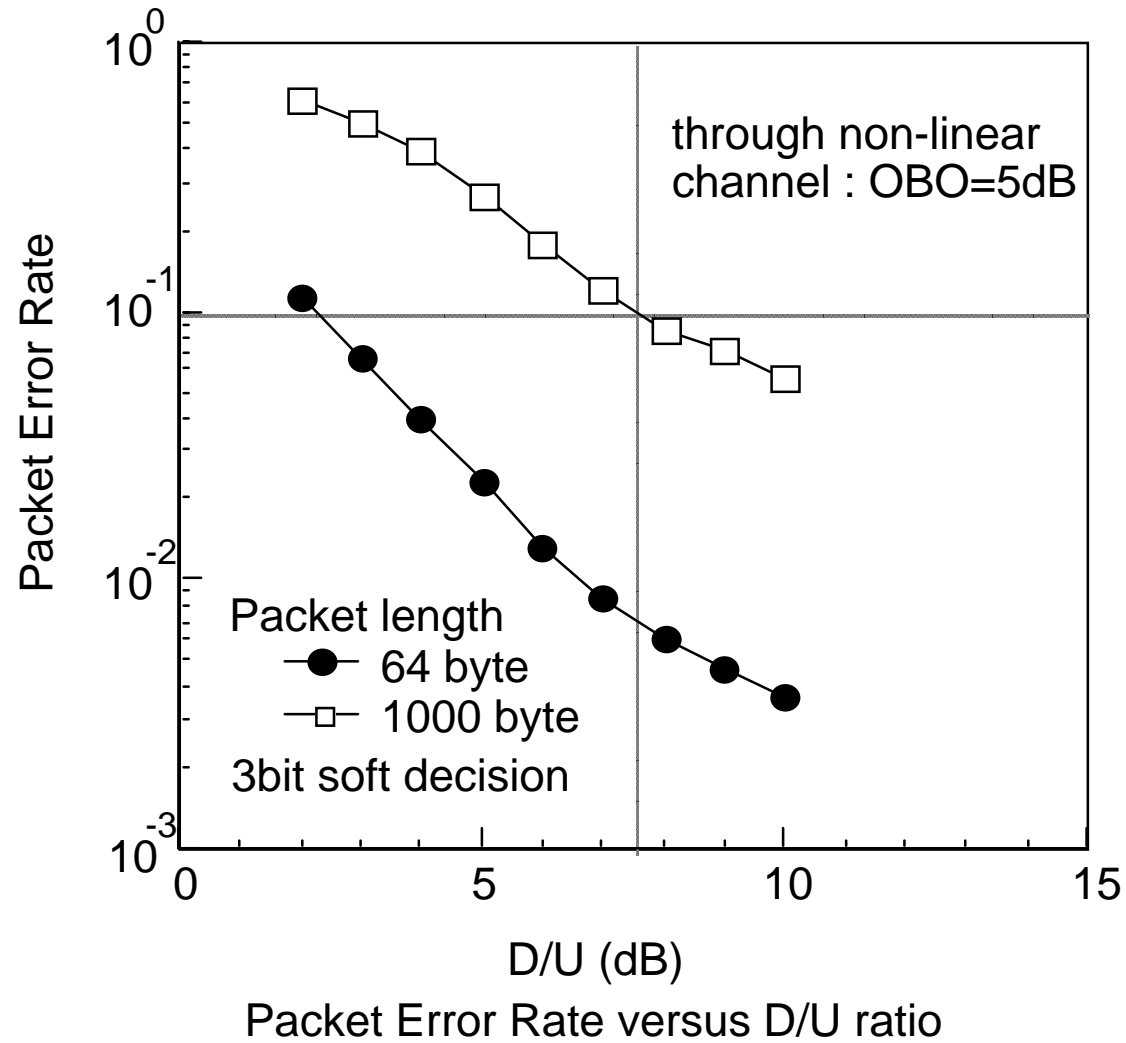
(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio

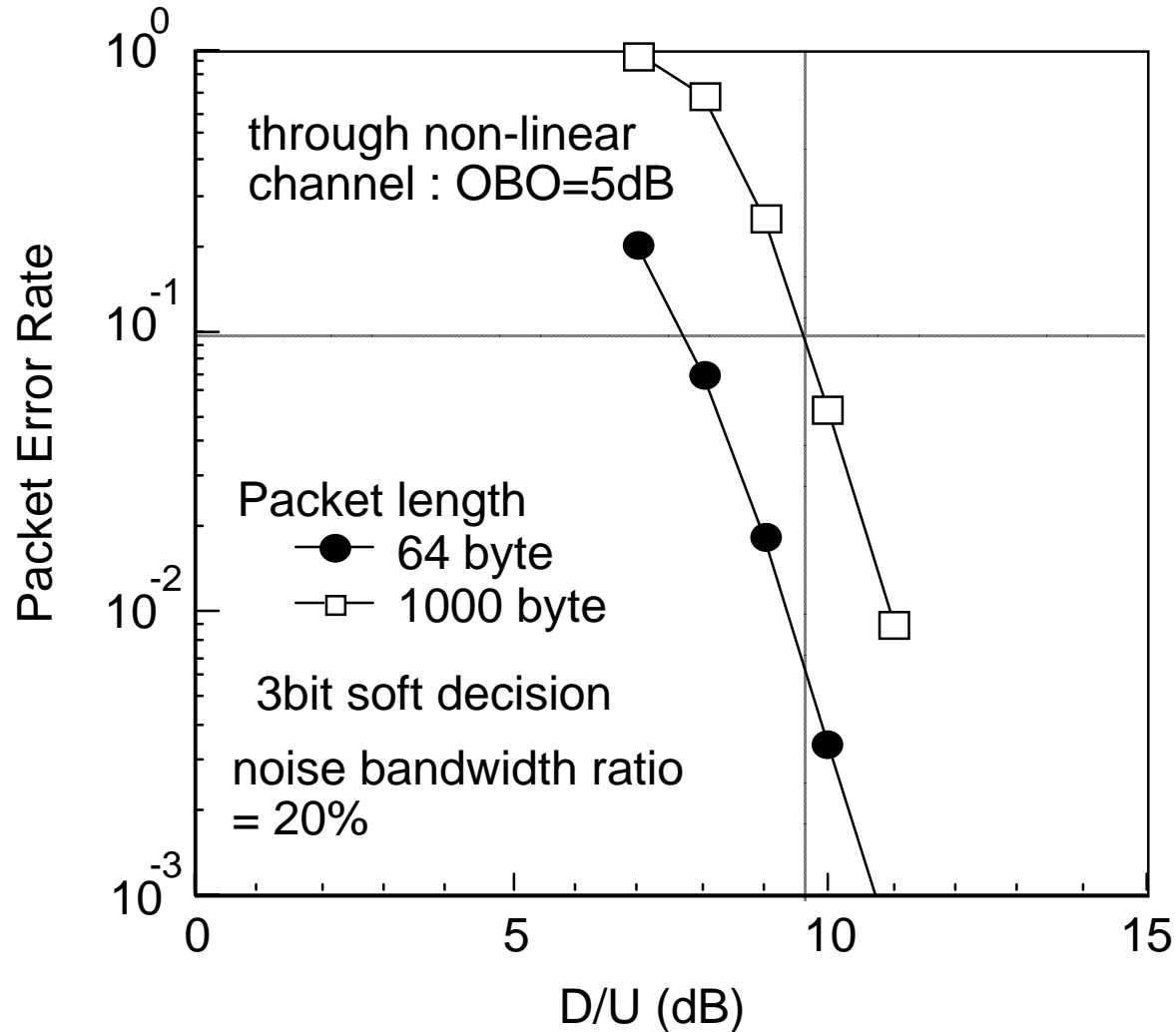
# Packet Error Rate with CW Interference

(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



# Packet Error Rate with Narrowband Gaussian Noise Interference

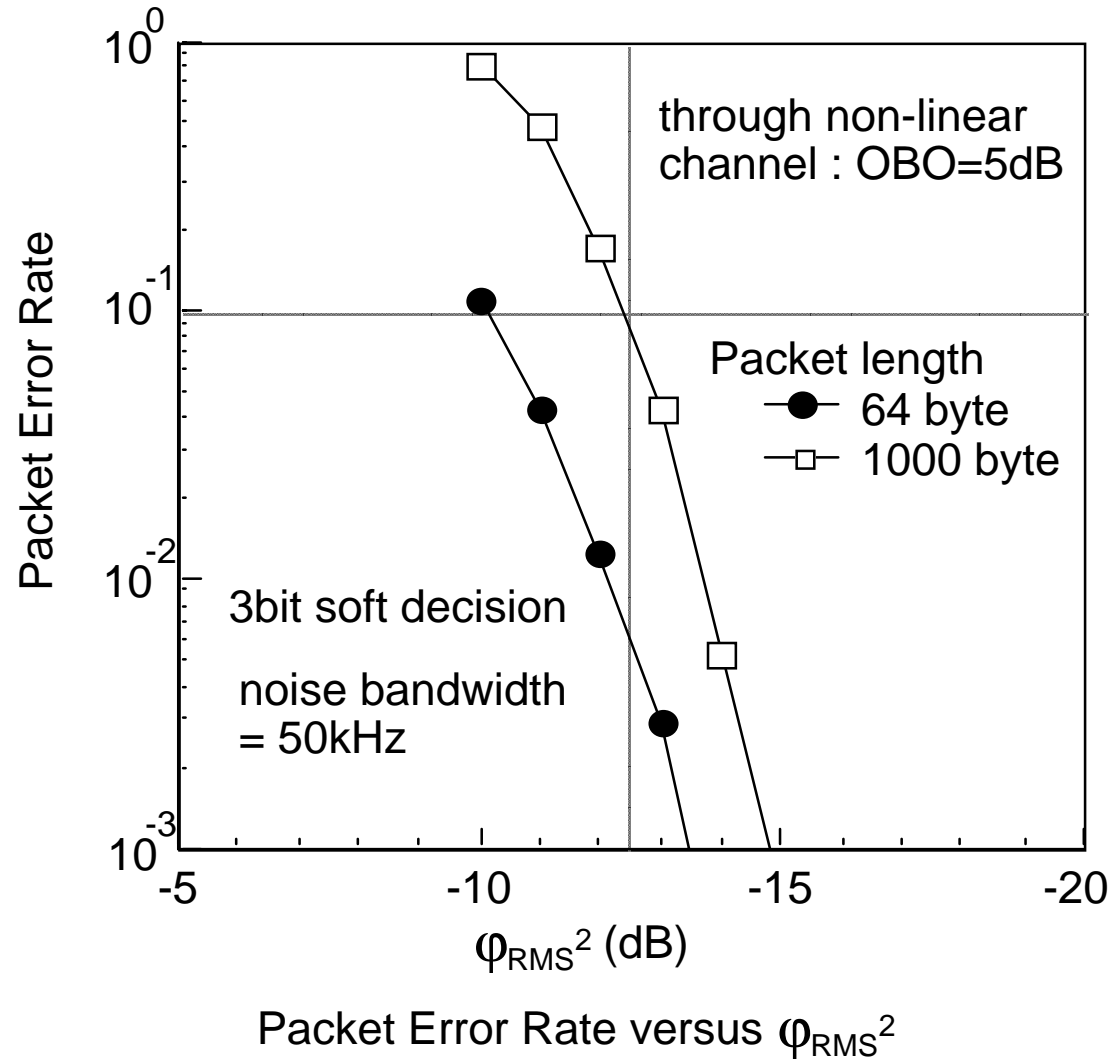
(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio

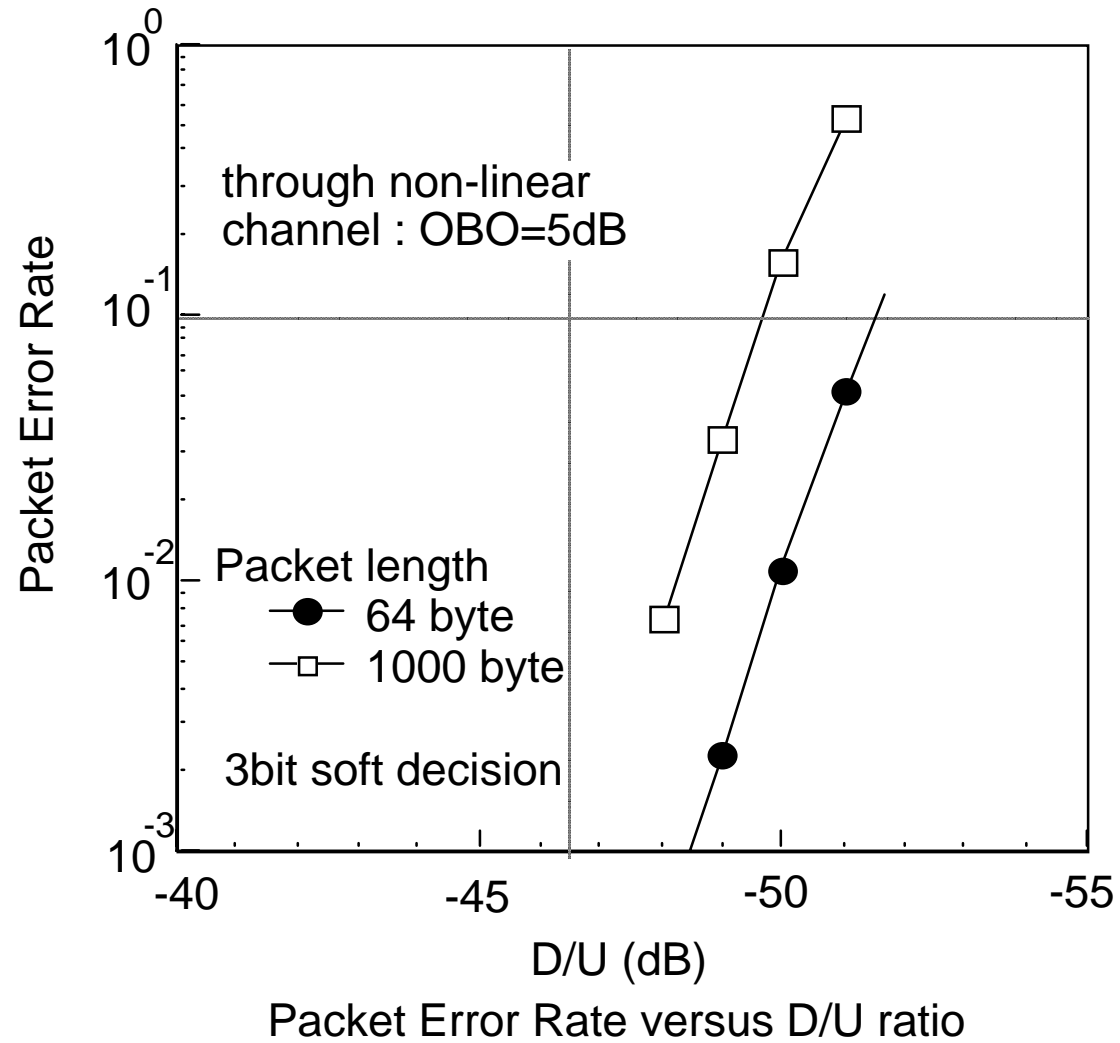
# Packet Error Rate with Phase Noise

(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)



# Packet Error Rate with Alternate Channel Interference

(DQPSK-OFDM Information data rate = 10Mbit/s, Coding rate = 1/2)

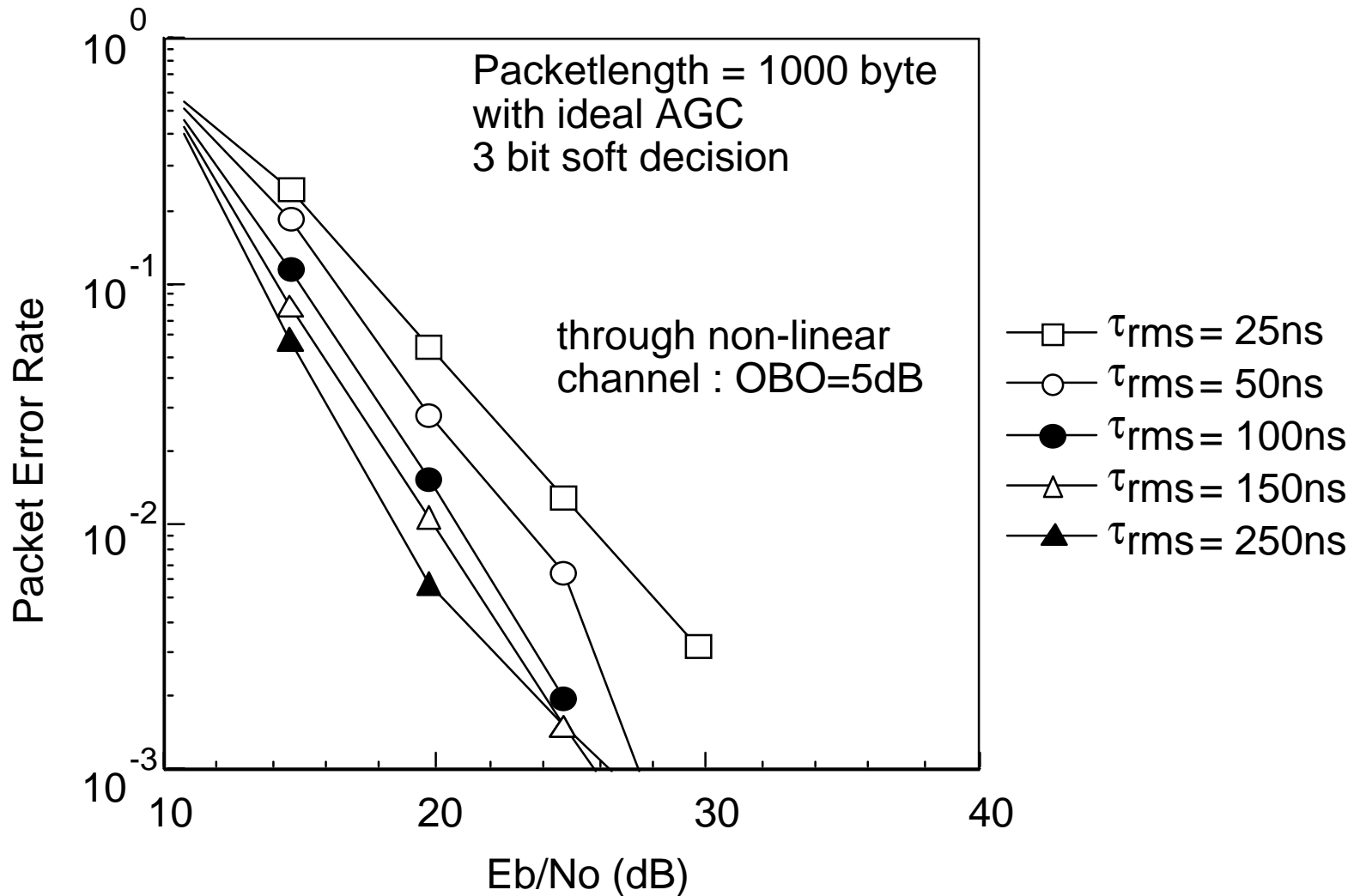


# Results of DBPSK, $r=12$ (5 Mbit/s)



# Packet Error Rate in Multipath Propagation with AWGN

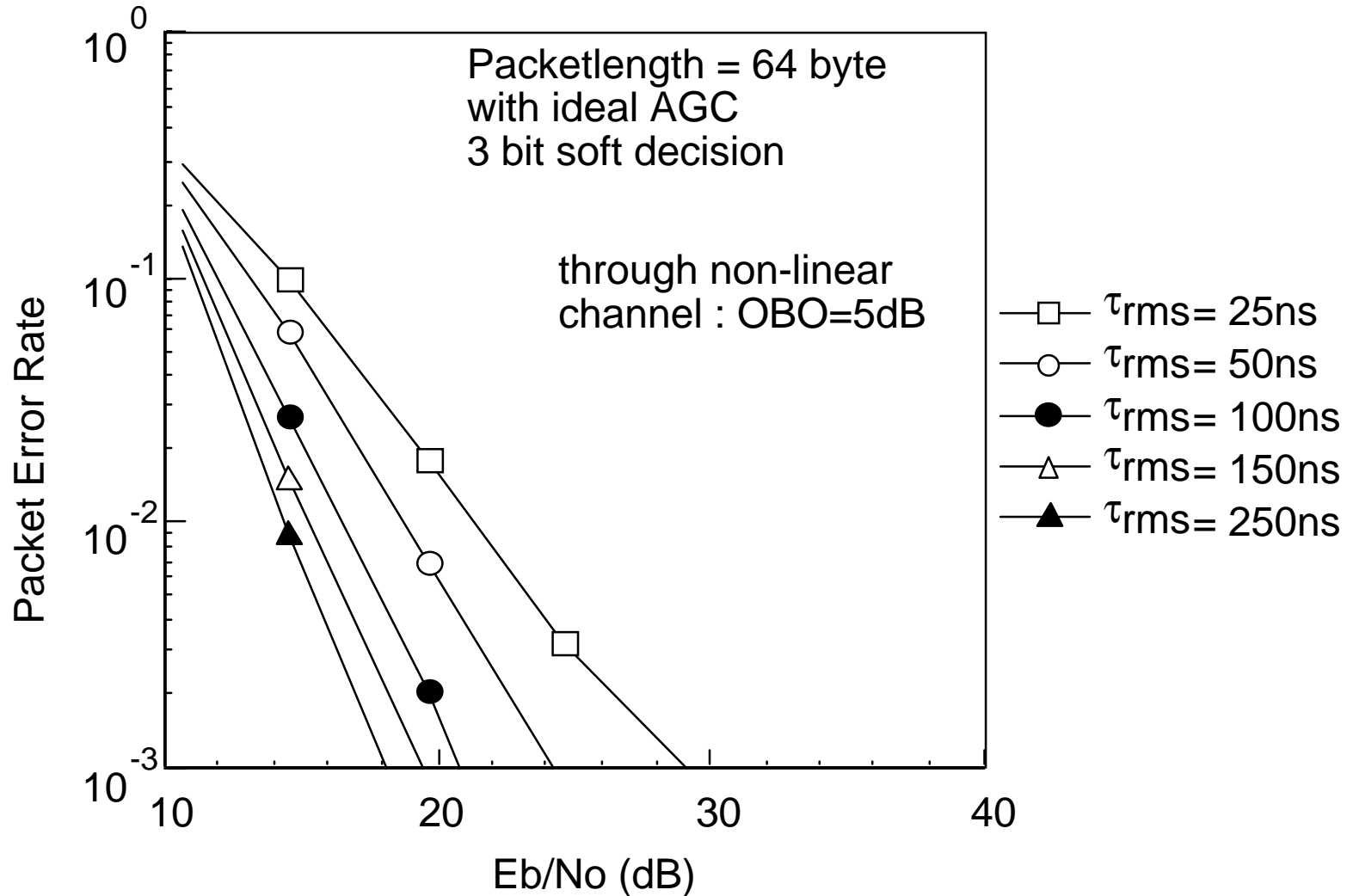
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus Eb/No

# Packet Error Rate in Multipath Propagation with AWGN

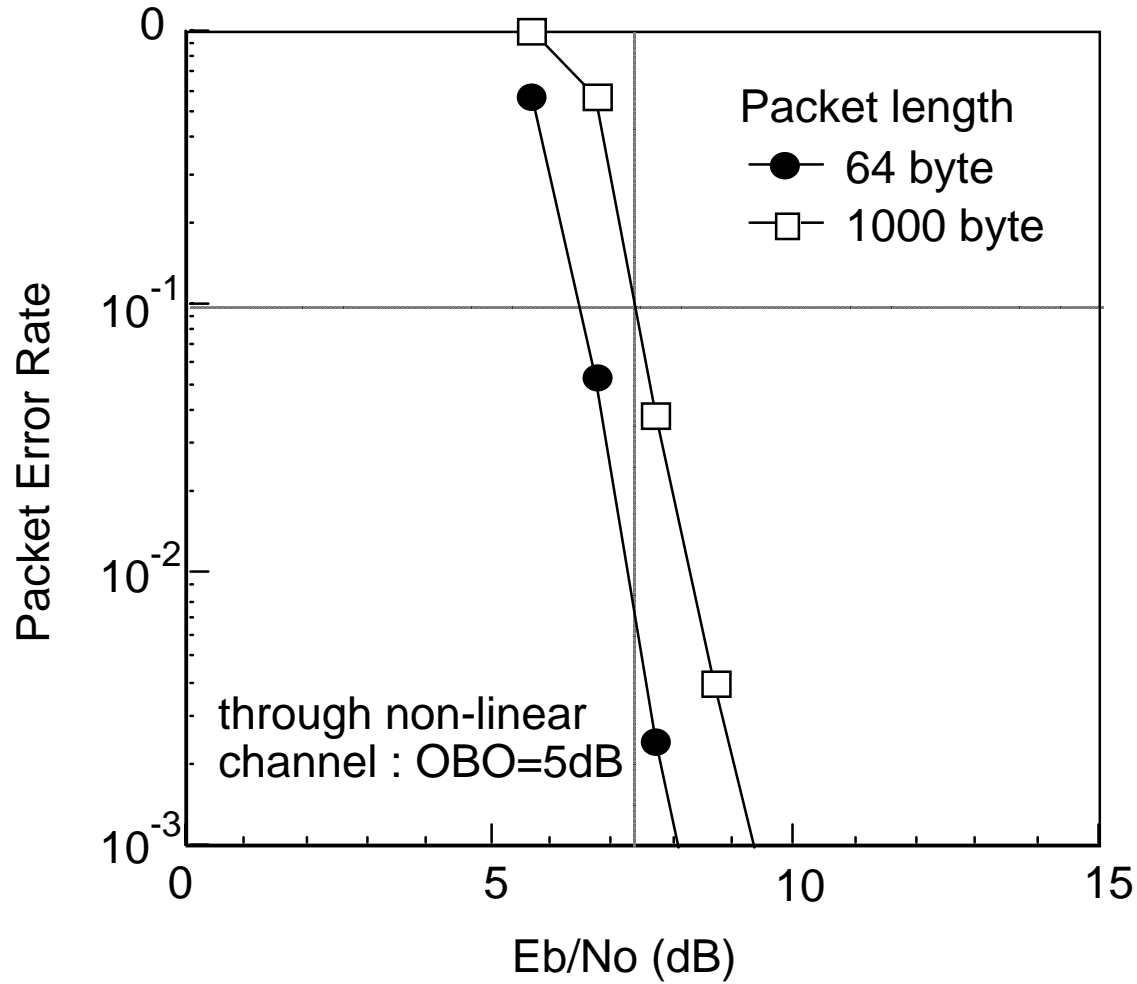
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus Eb/No

# Packet Error Rate with AWGN

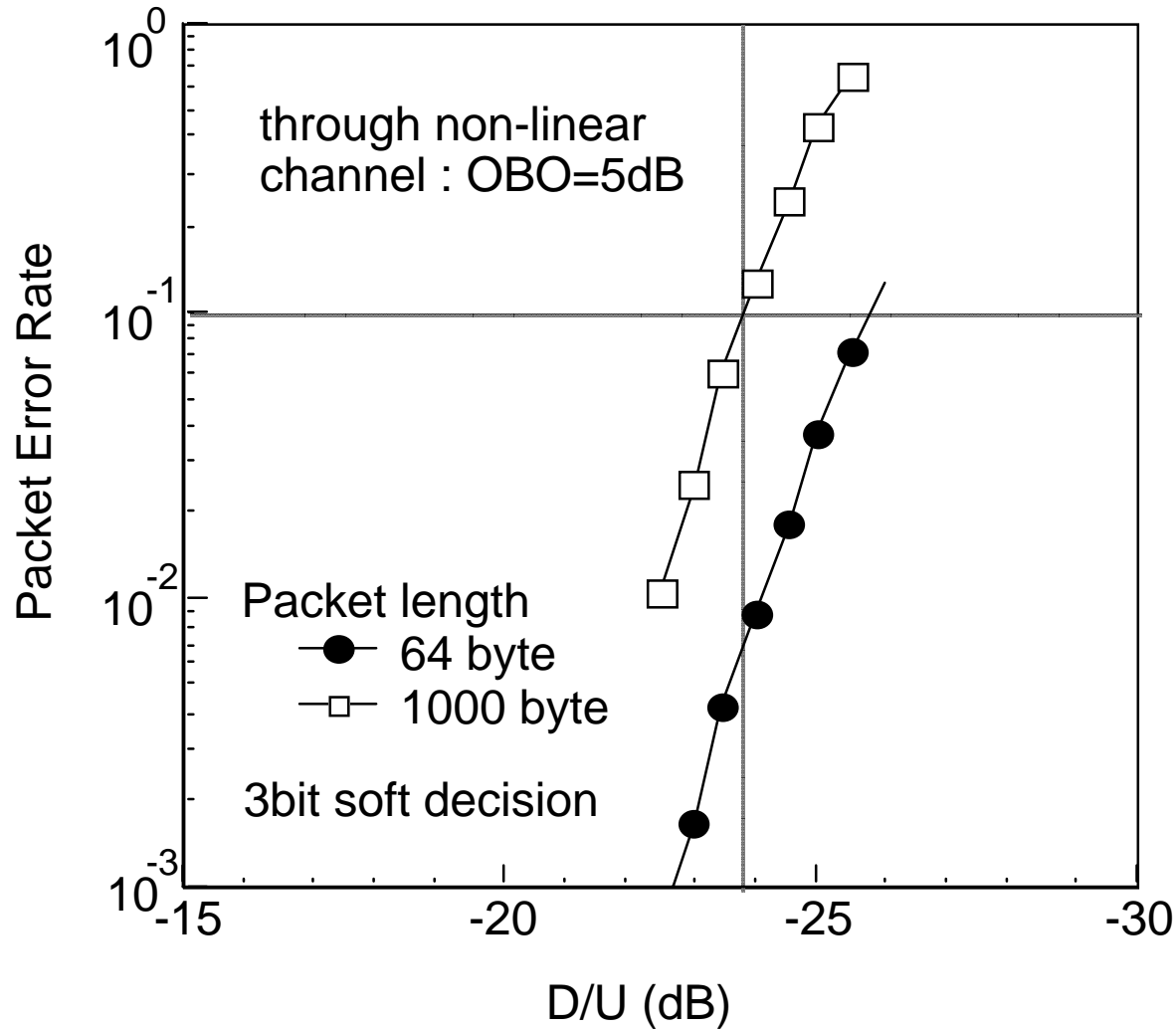
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus Eb/No

# Packet Error Rate with Adjacent Channel Interference

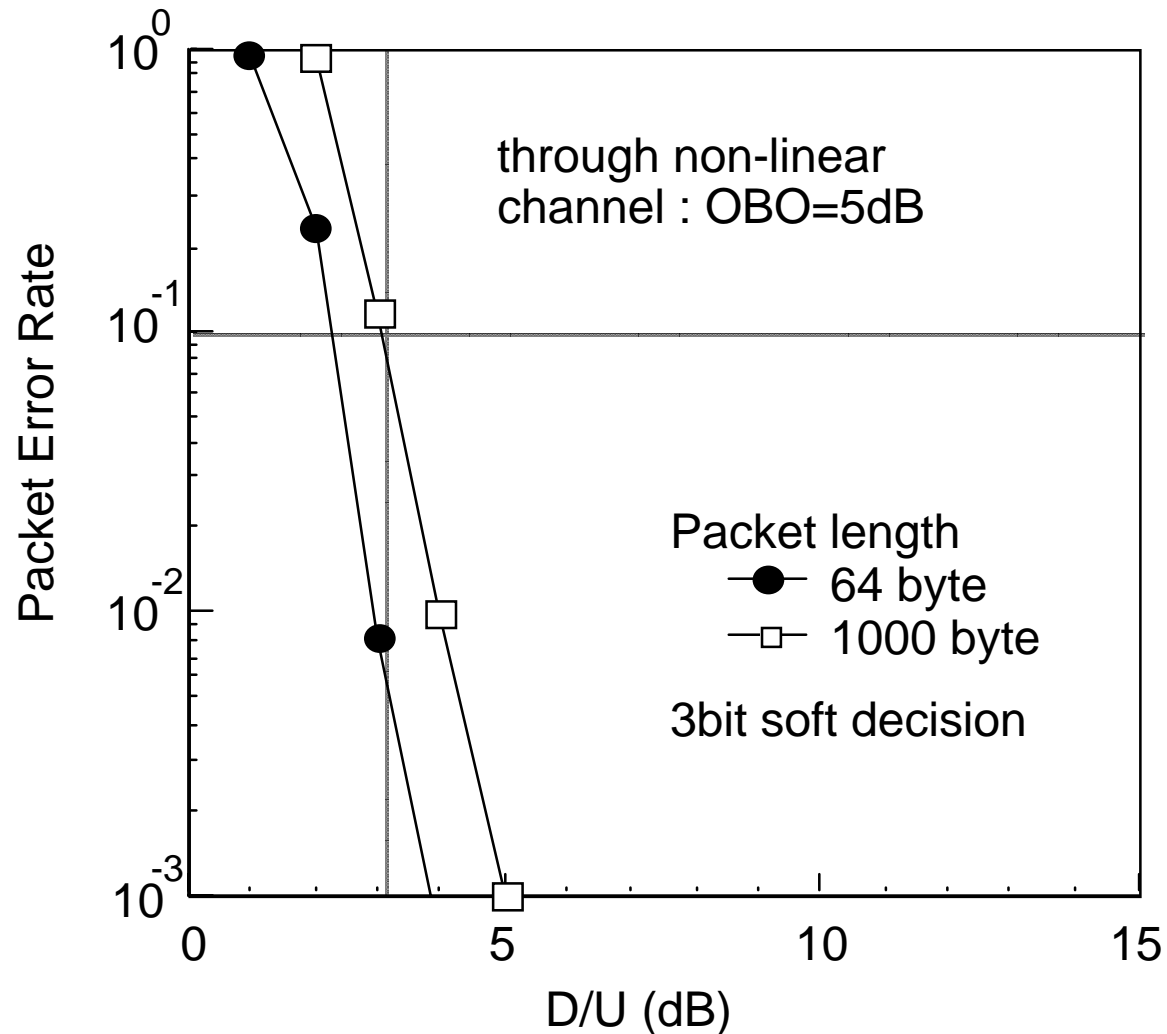
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio

# Packet Error Rate with Co-Channel Interference

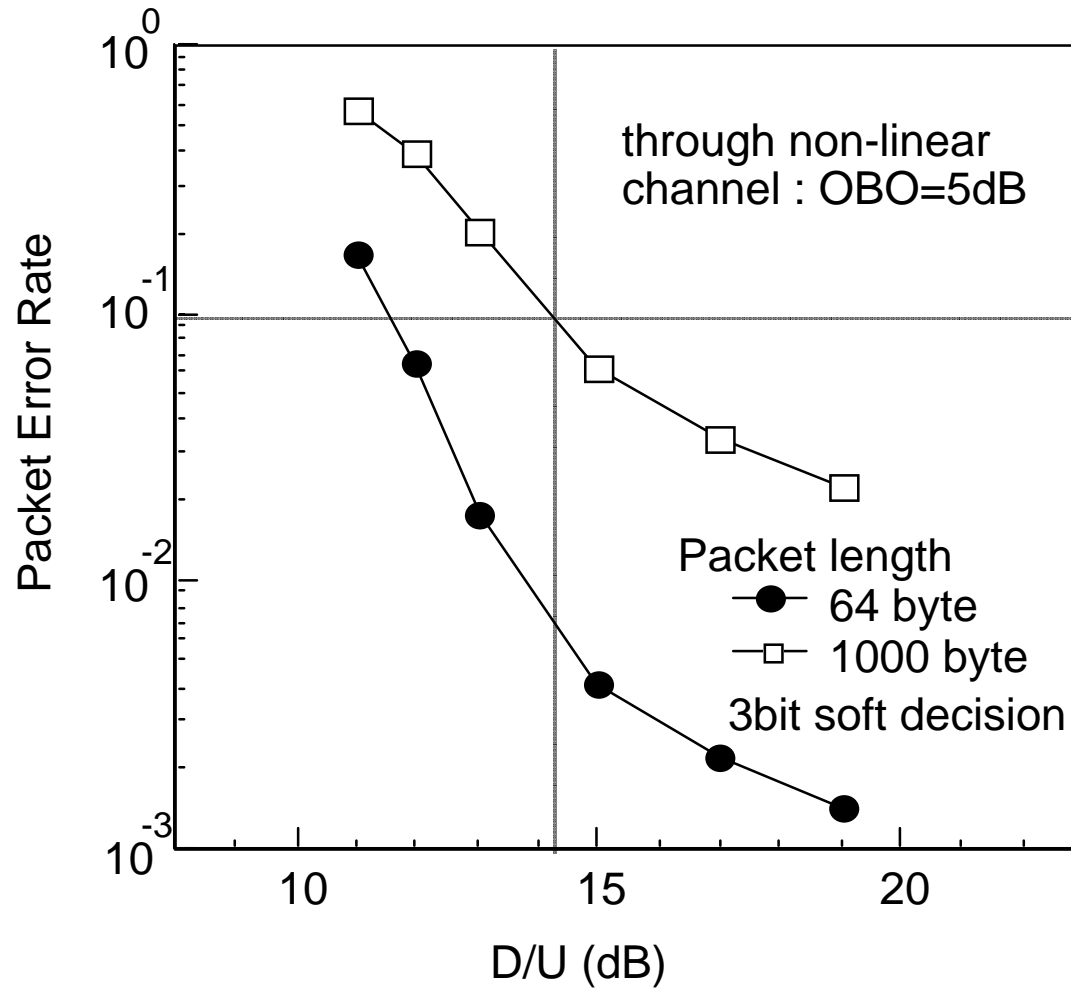
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio

# Packet Error Rate with CW Interference

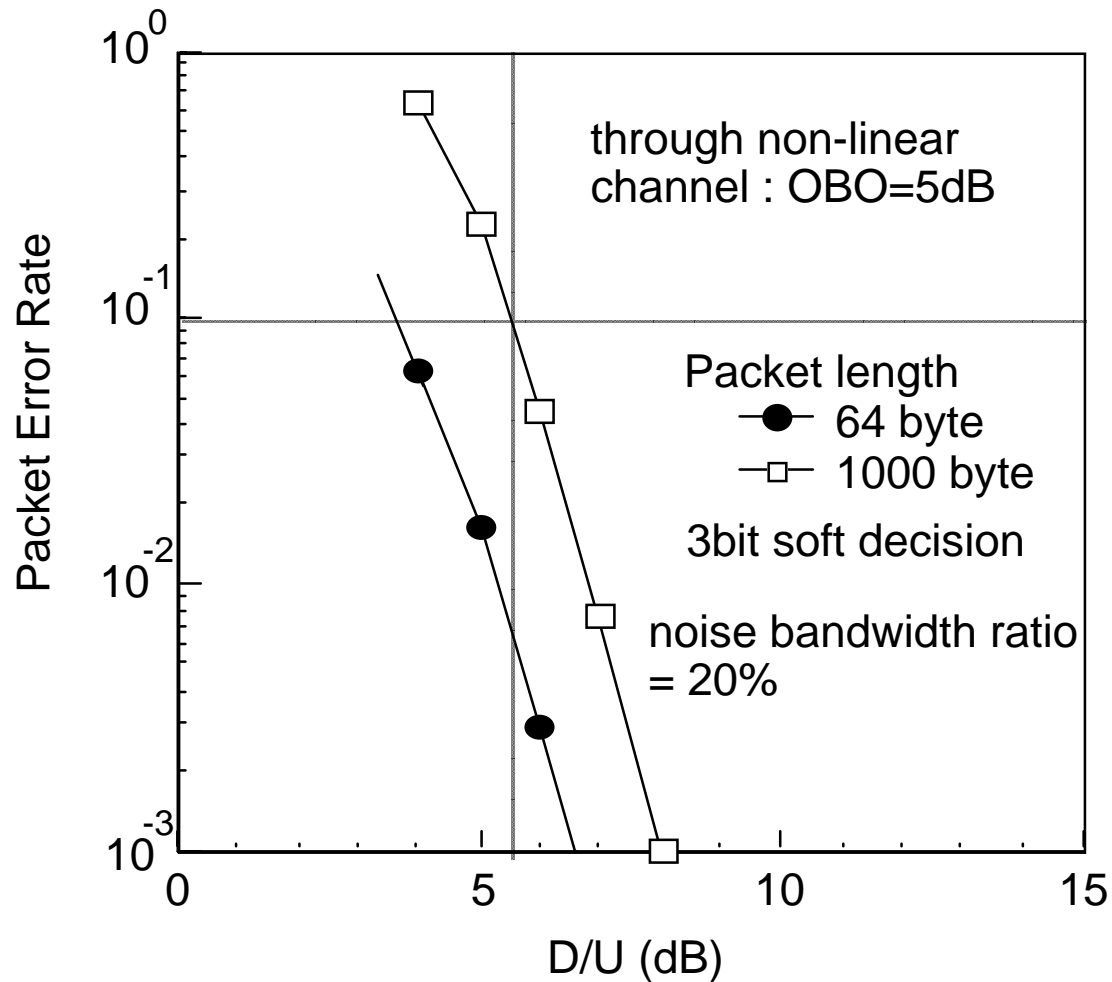
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio

# Packet Error Rate with Narrowband Gaussian Noise Interference

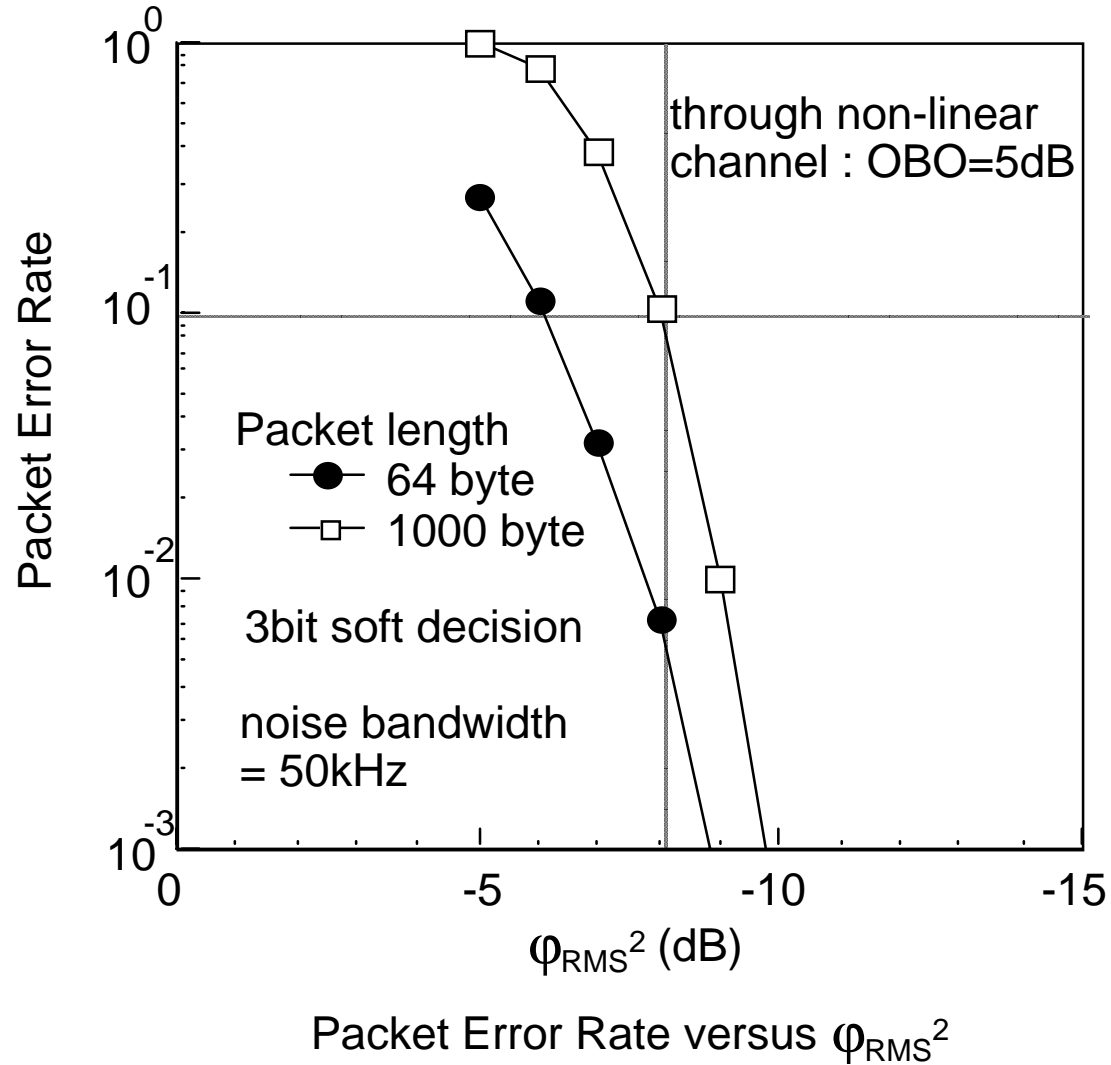
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio

## Packet Error Rate with Phase Noise

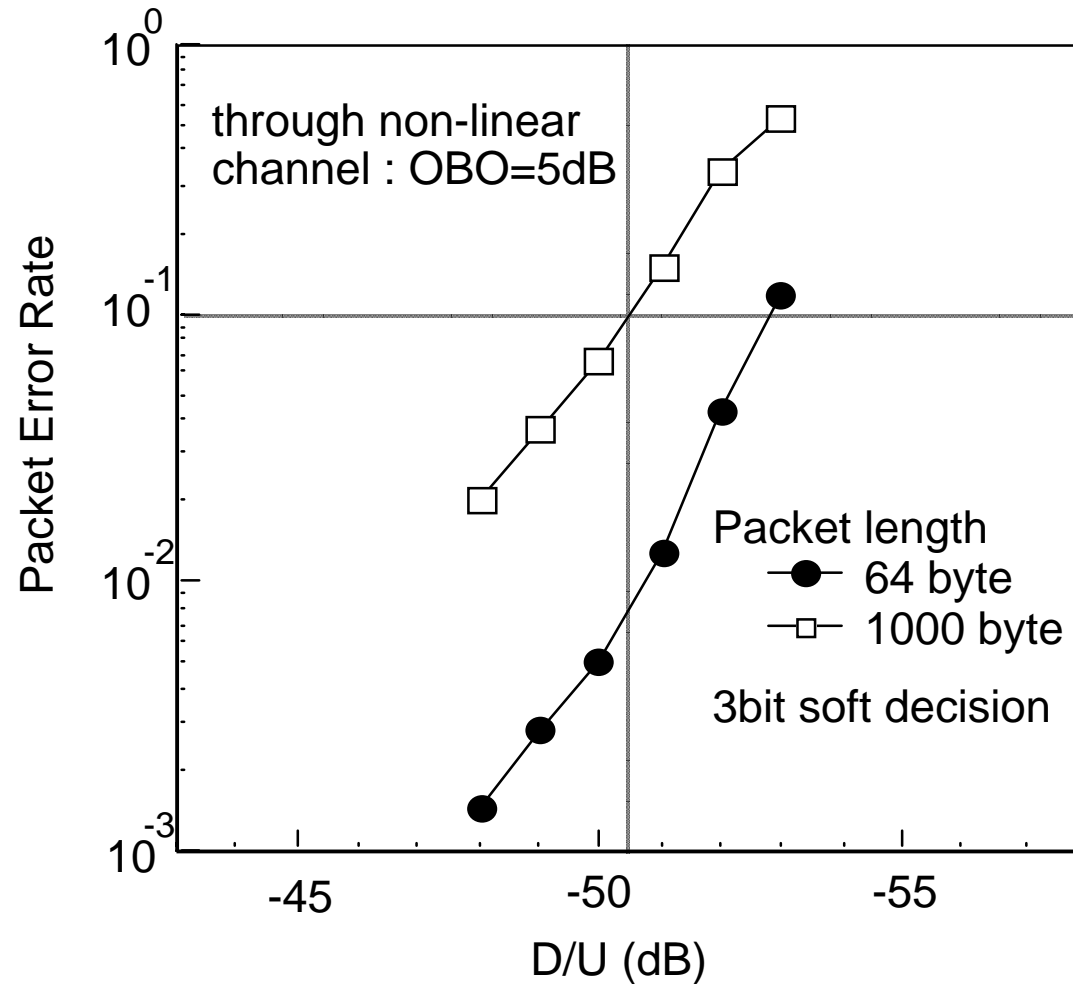
(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)





# Packet Error Rate with Alternate Channel Interference

(DBPSK-OFDM Information data rate = 5Mbit/s, Coding rate = 1/2)



Packet Error Rate versus D/U ratio