

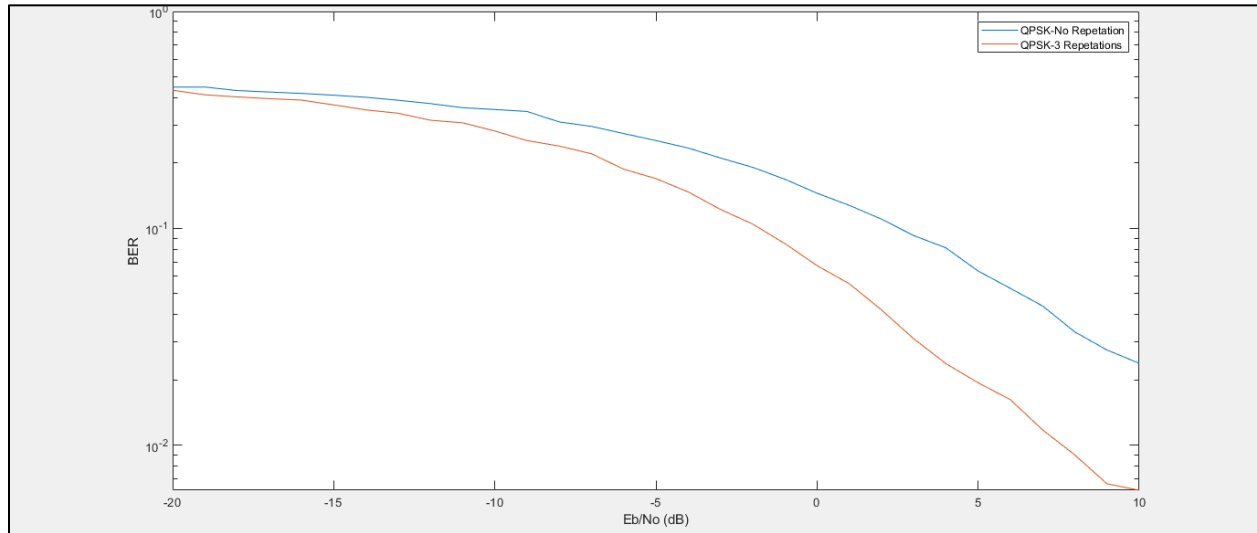
# **Single Carrier and OFDM**

# Table of Contents

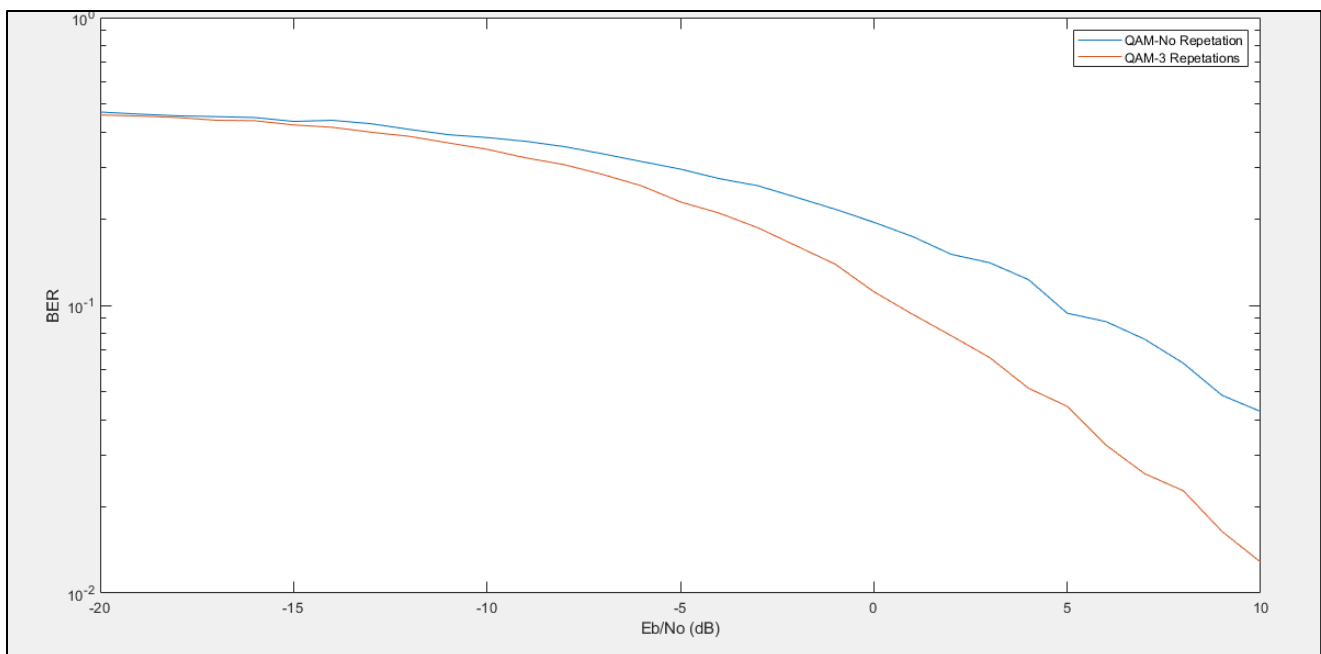
---

<b>SINGLE CARRIER SYSTEM .....</b>	<b>3</b>
<i>Fig1. Coded and un coded QPSK .....</i>	<i>3</i>
<i>Fig2.Coded and un coded 16-QAM.....</i>	<i>3</i>
<b>OFDM SYSTEM.....</b>	<b>4</b>
QPSK GRAPHS .....	4
<i>Fig3. QPSK coded and un-coded on AWGN .....</i>	<i>4</i>
<i>Fig4. QPSK coded and un-coded on Selective Channel.....</i>	<i>4</i>
16-QAM GRAPHS .....	5
<i>Fig5. 16-QAM coded and un-coded on AWGN .....</i>	<i>5</i>
<i>Fig6. QPSK coded and un-coded on Selective Channel.....</i>	<i>5</i>
WATER FILLING .....	6
<i>Fig7. Water Filling method on 16 sub carrier .....</i>	<i>6</i>

# Single Carrier System



**Fig1. Coded and un coded QPSK**



**Fig2.Coded and un coded 16-QAM**

# OFDM system

## QPSK Graphs

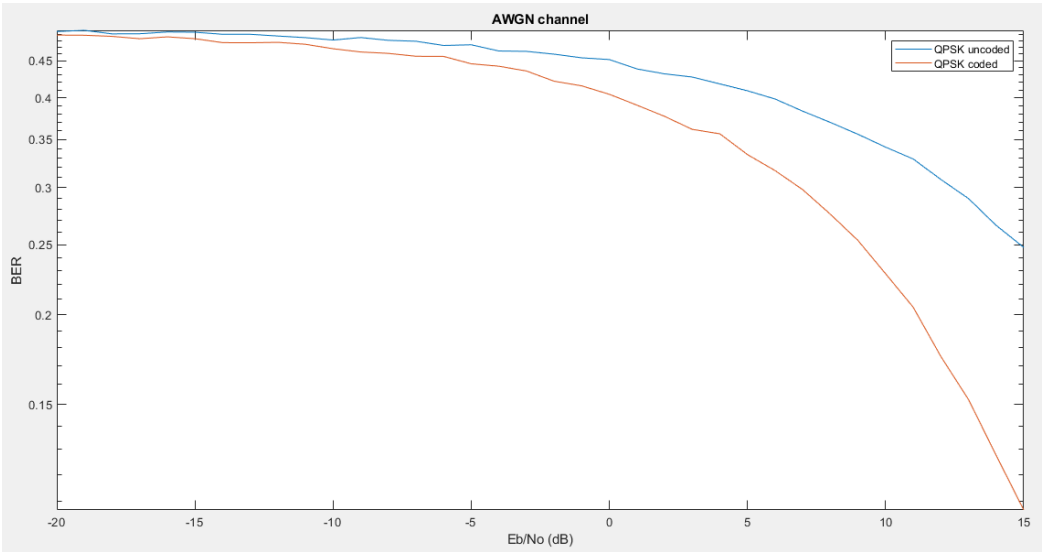


Fig3. QPSK coded and un-coded on AWGN

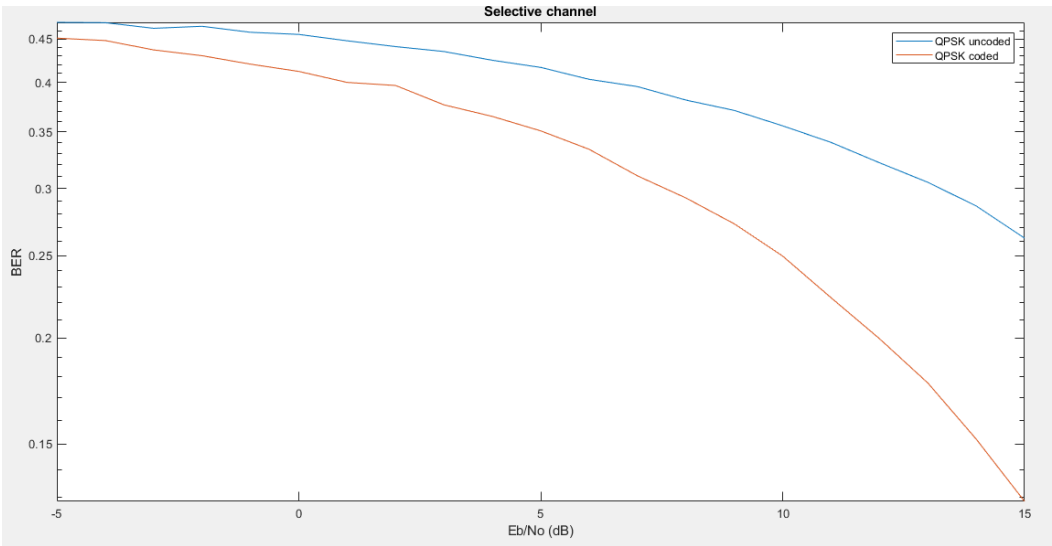


Fig4. QPSK coded and un-coded on Selective Channel

# 16-QAM Graphs

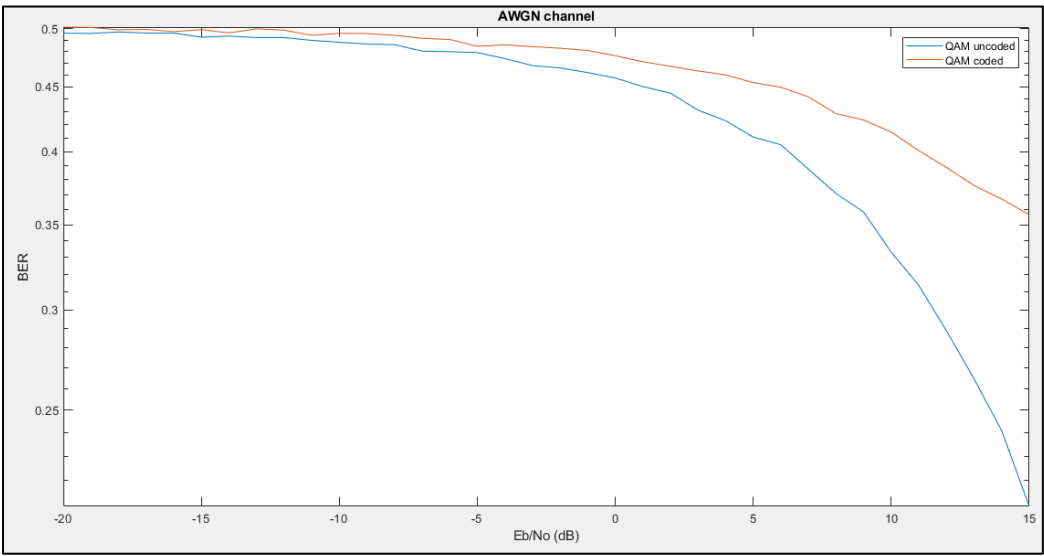


Fig5. 16-QAM coded and un-coded on AWGN

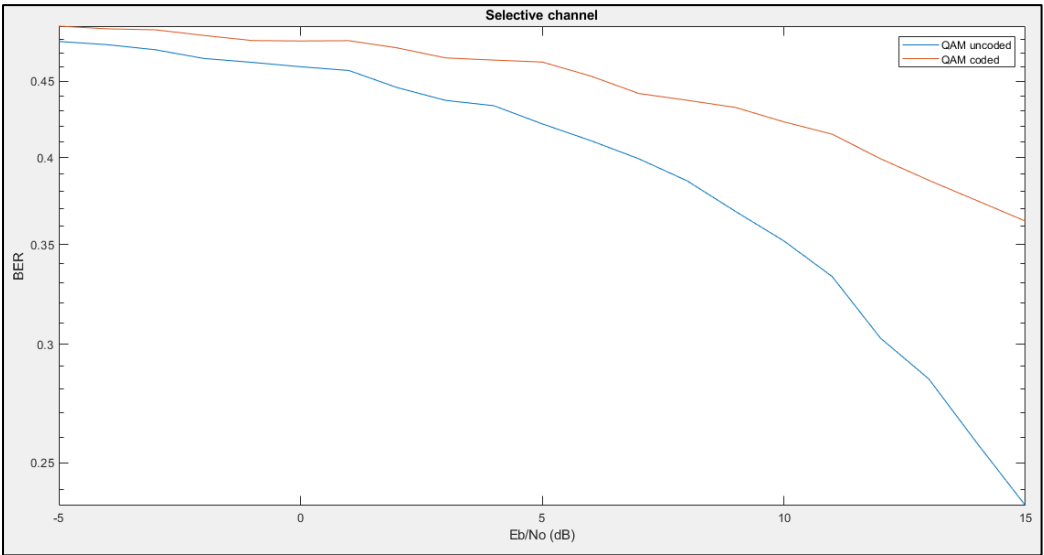


Fig6. QPSK coded and un-coded on Selective Channel

Water filling

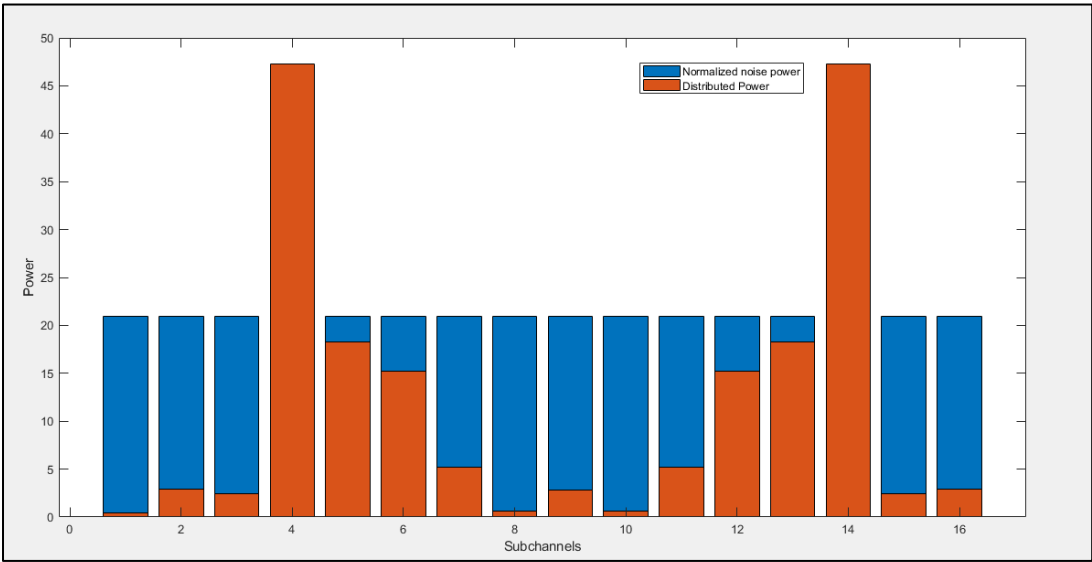


Fig7. Water Filling method on 16 sub carrier