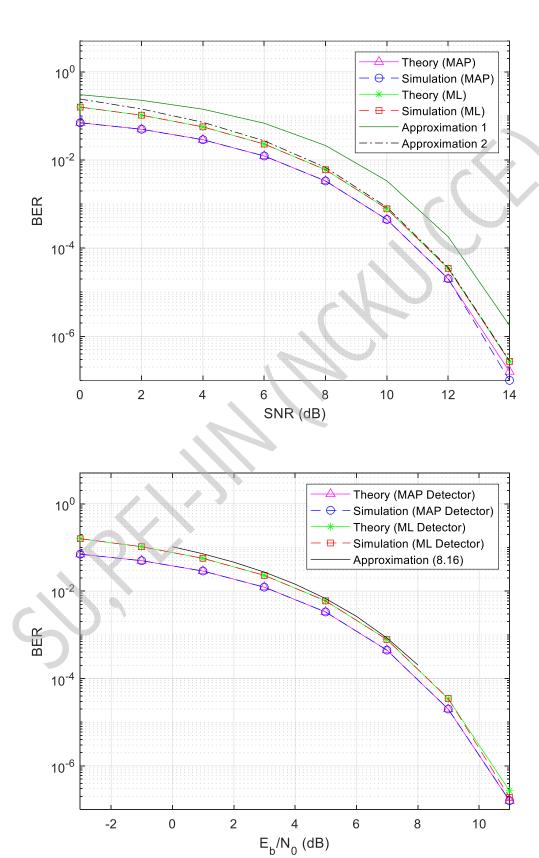
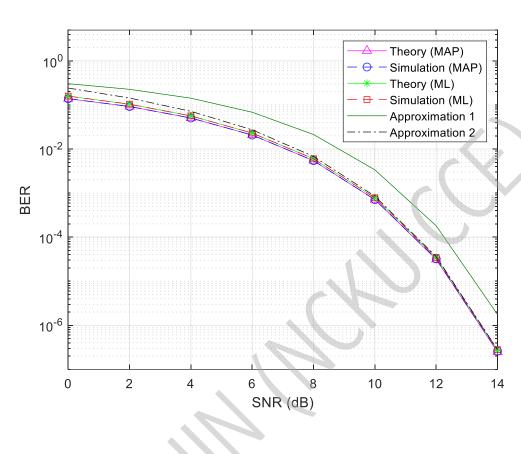
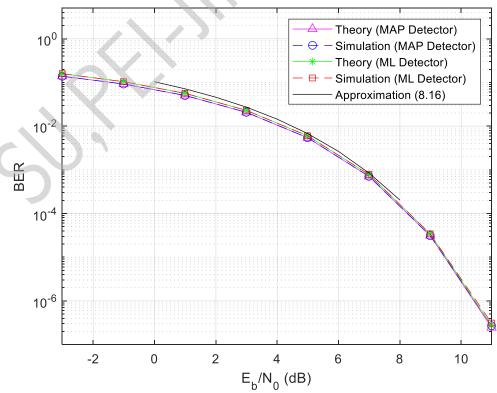
$$P(1) = P(s = \sqrt{2}) = P_1 = 0.1$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.9$

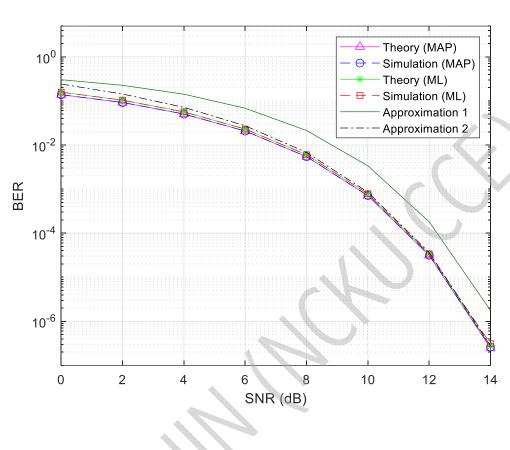


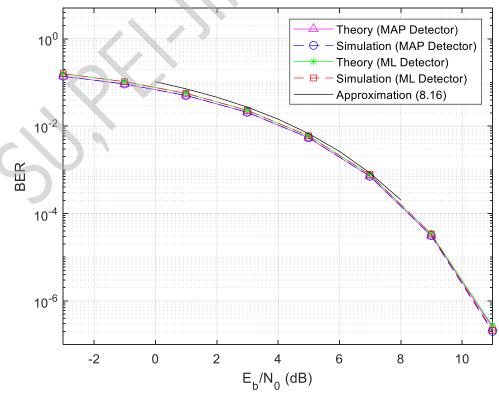
$$P(1) = P(s = \sqrt{2}) = P_1 = 0.3$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.7$



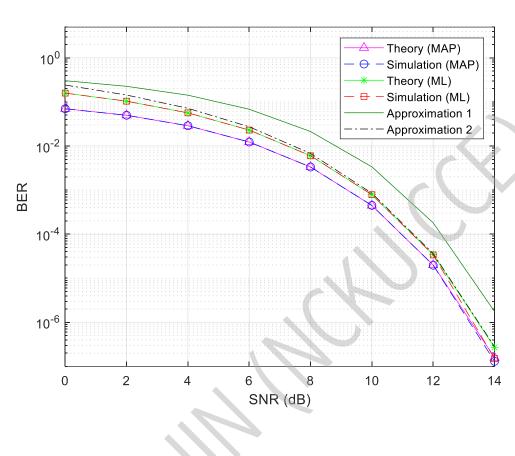


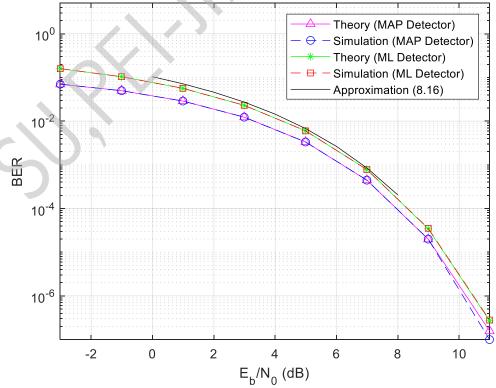
$$P(1) = P(s = \sqrt{2}) = P_1 = 0.7$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.3$





$$P(1) = P(s = \sqrt{2}) = P_1 = 0.9$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.1$

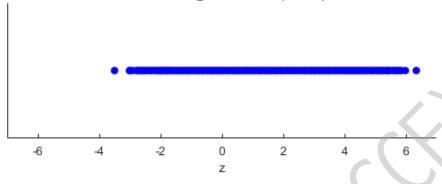




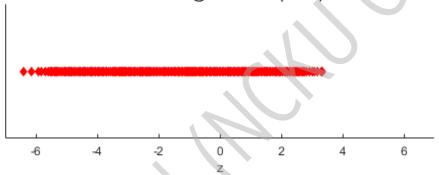
Scatter Plot @ SNR = 3dB and SNR = 10dB

$$P(1) = P(s = \sqrt{2}) = P_1 = 0.5$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.5$

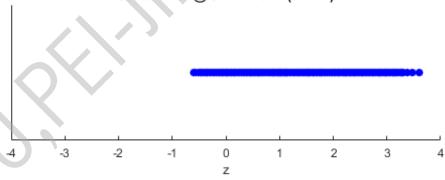
Scatter Plot @ SNR = 3dB (d = +1)



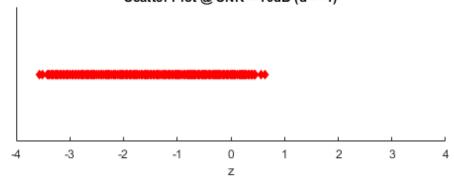
Scatter Plot @ SNR = 3dB (d = -1)



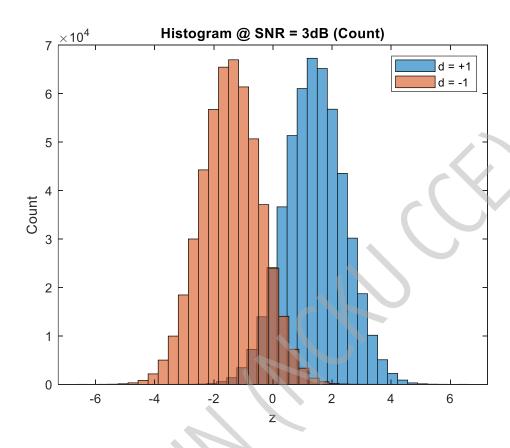
Scatter Plot @ SNR = 10dB (d = +1)

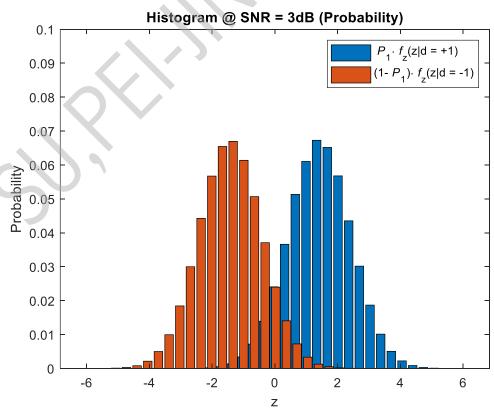


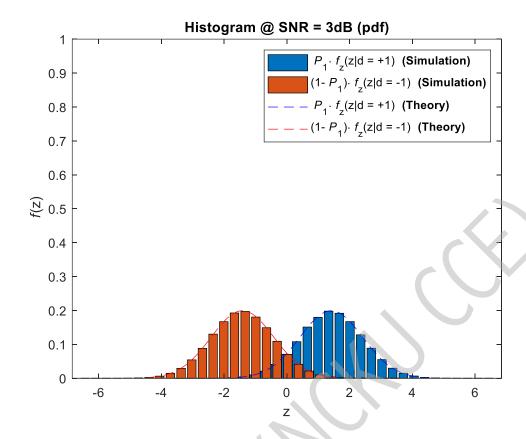
Scatter Plot @ SNR = 10dB (d = -1)

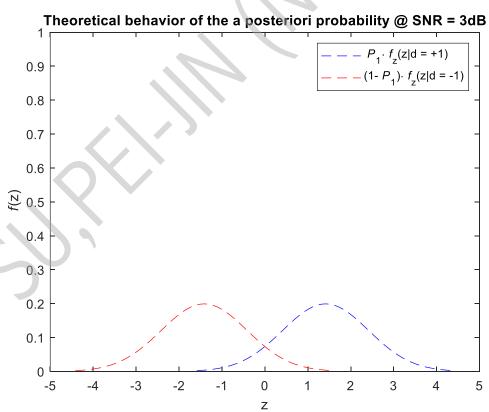


$$P(1) = P(s = \sqrt{2}) = P_1 = 0.5$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.5$

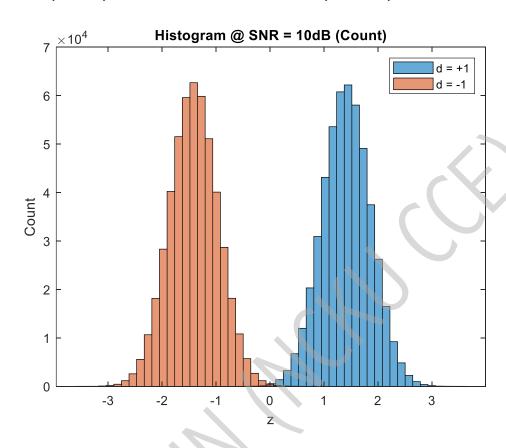


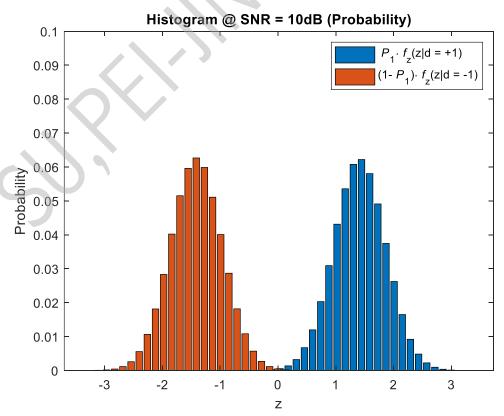


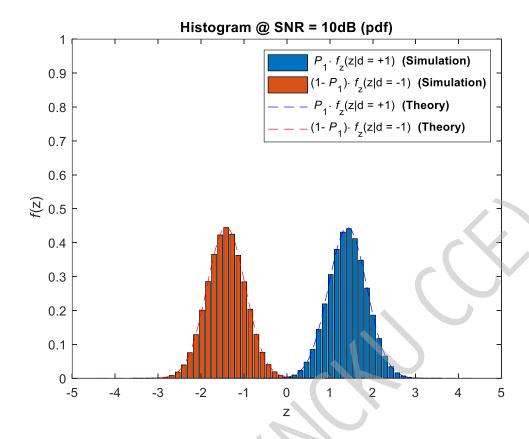


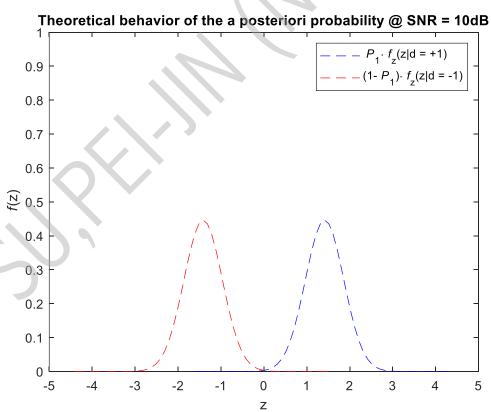


$$P(1) = P(s = \sqrt{2}) = P_1 = 0.5$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.5$





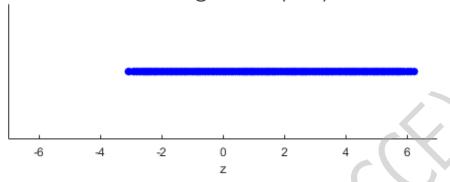




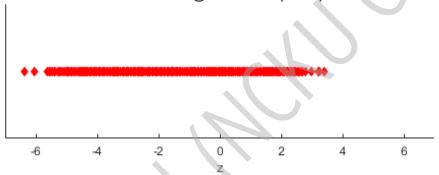
Scatter Plot @ SNR = 3dB and SNR = 10dB

$$P(1) = P(s = \sqrt{2}) = P_1 = 0.7$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.3$

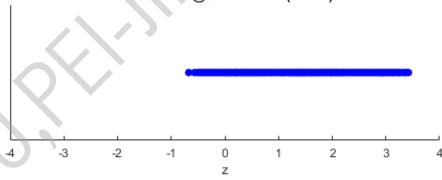
Scatter Plot @ SNR = 3dB (d = +1)



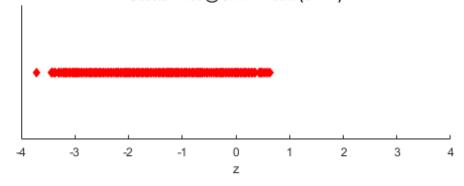
Scatter Plot @ SNR = 3dB (d = -1)



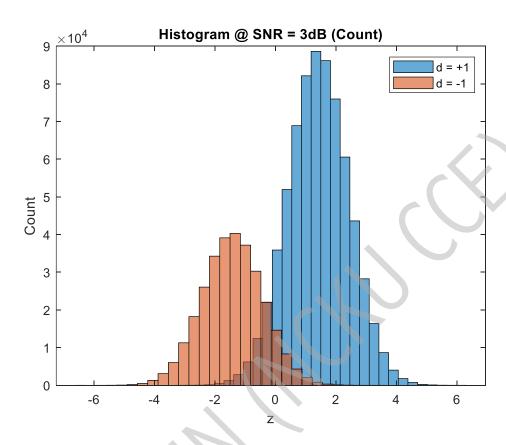
Scatter Plot @ SNR = 10dB (d = +1)

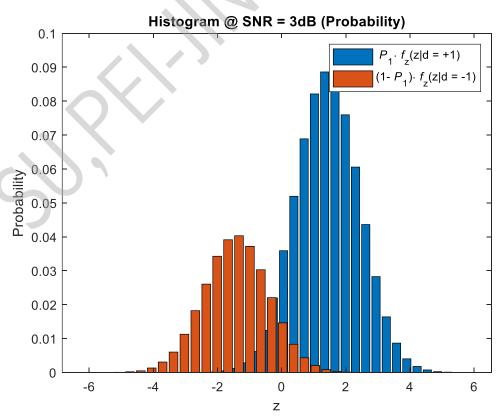


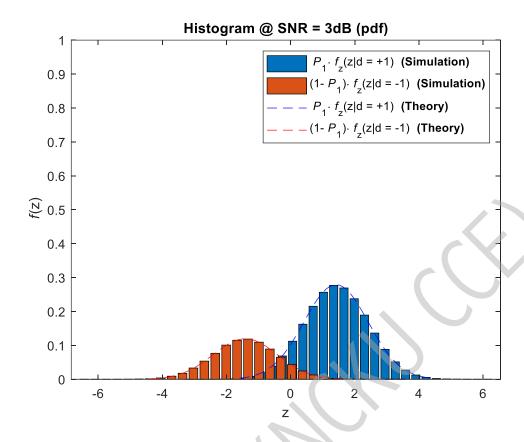
Scatter Plot @ SNR = 10dB (d = -1)

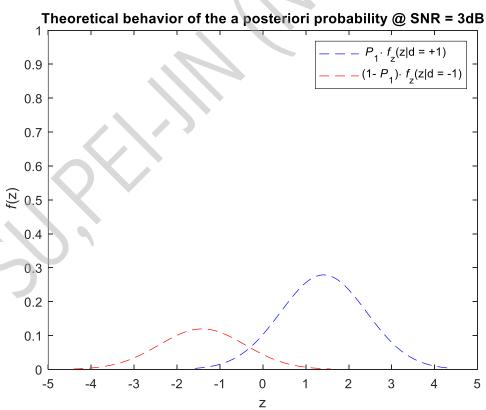


$$P(1) = P(s = \sqrt{2}) = P_1 = 0.7$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.3$

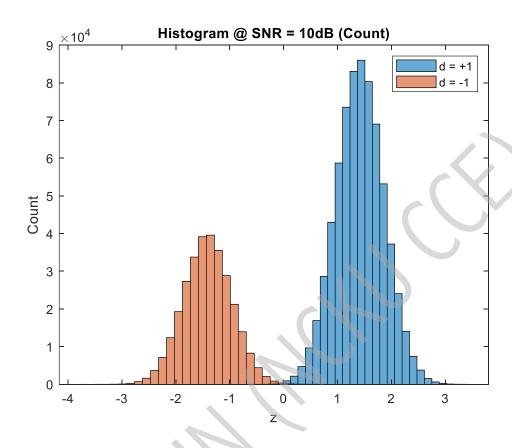


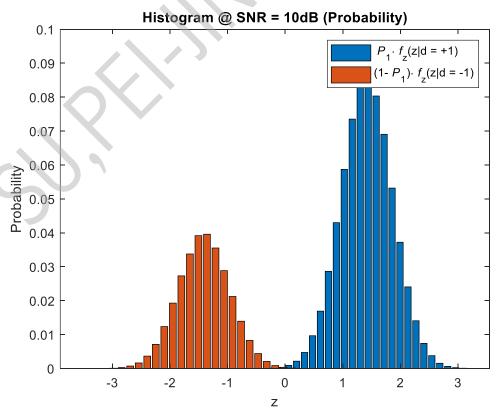


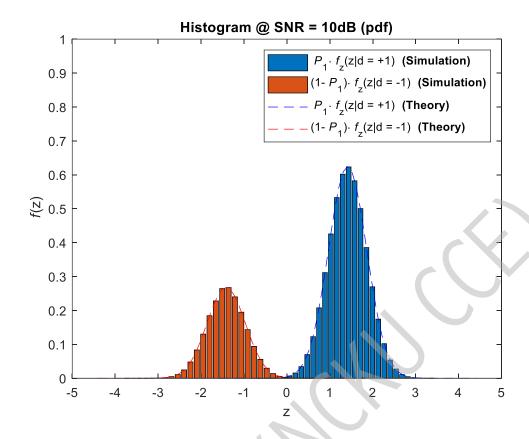


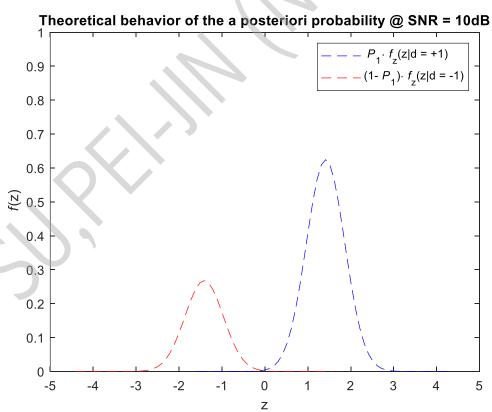


$$P(1) = P(s = \sqrt{2}) = P_1 = 0.7$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.3$





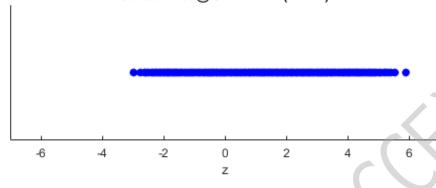




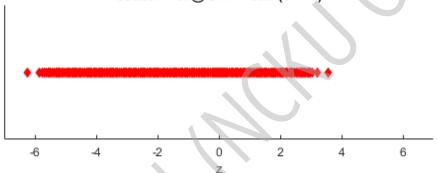
Scatter Plot @ SNR = 3dB and SNR = 10dB

$$P(1) = P(s = \sqrt{2}) = P_1 = 0.1$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.9$

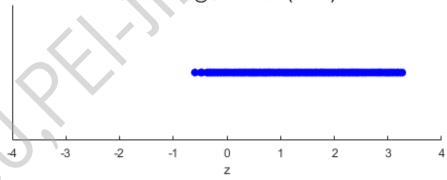
Scatter Plot @ SNR = 3dB (d = +1)



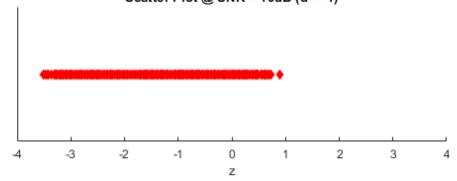
Scatter Plot @ SNR = 3dB (d = -1)



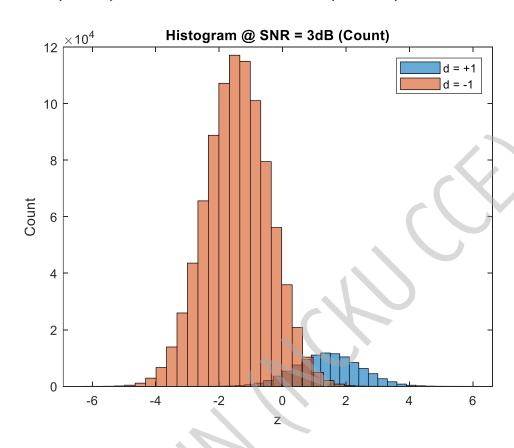
Scatter Plot @ SNR = 10dB (d = +1)

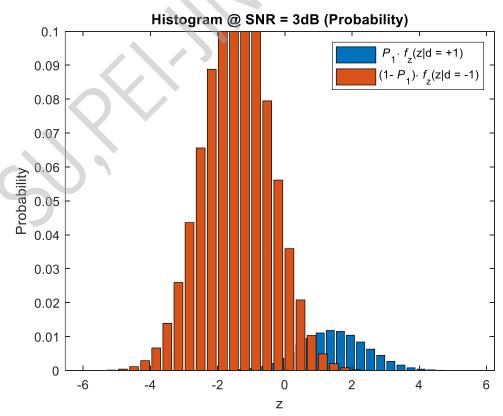


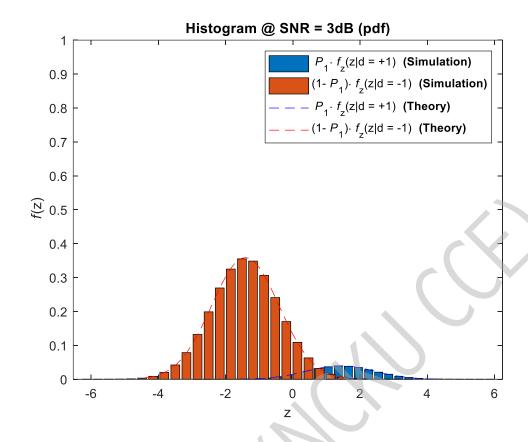
Scatter Plot @ SNR = 10dB (d = -1)

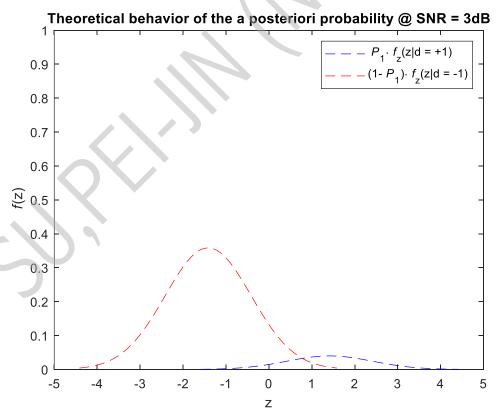


$$P(1) = P(s = \sqrt{2}) = P_1 = 0.1$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.9$









$$P(1) = P(s = \sqrt{2}) = P_1 = 0.1$$
 and $P(0) = P(s = -\sqrt{2}) = 1 - P_1 = 0.9$

