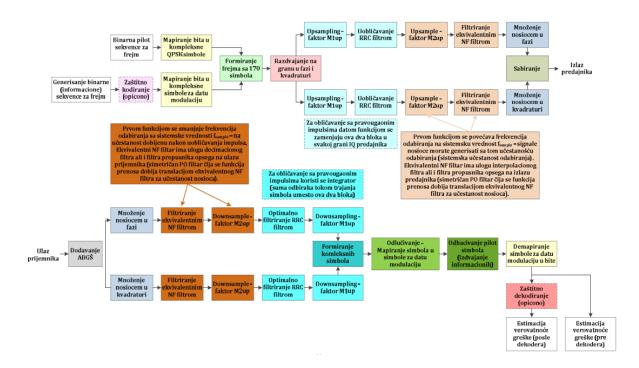
Dimitrije Jovanović

QPSK modulacija



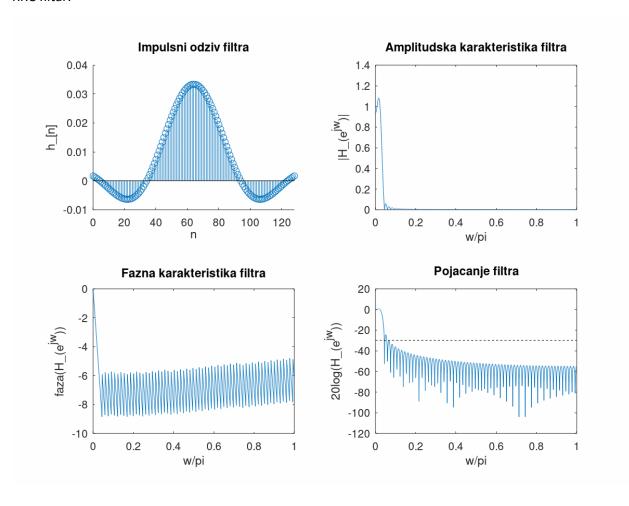
Za koeficijent zaobljenja 0.25 se dobija razlika teorijske i izracunate verovatnoce greske, zato sto u formulu ne ulazi koeficijent zaobljenja. Kada je on jednak 1, krive se poklapaju.

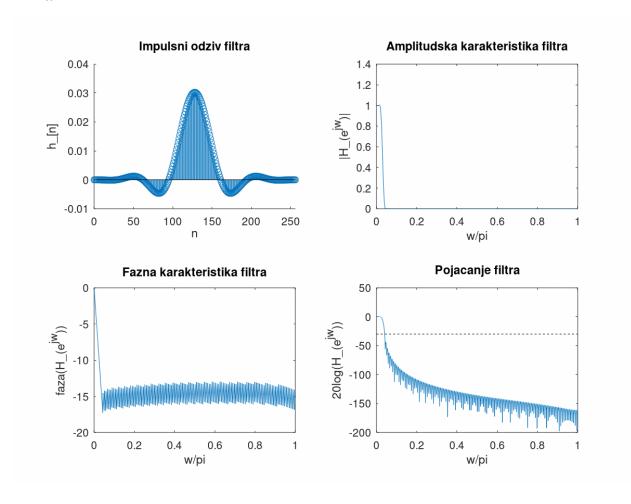
U slucaju neidealne sinhronizacije faze, ocekivano, to ne utice na promenu verovatnoce greske, sto se vidi sa kasnijih grafika.

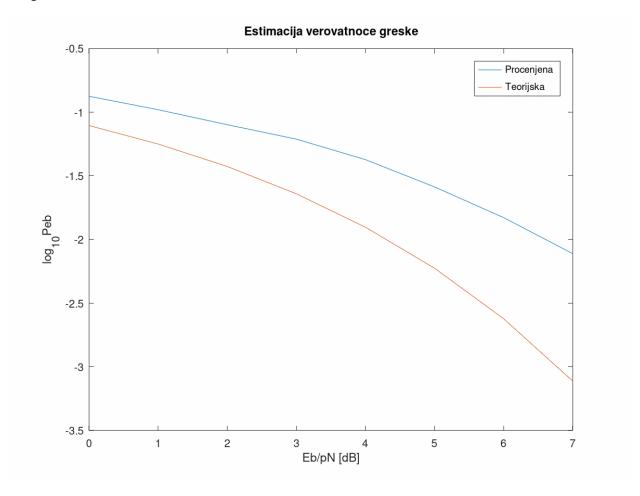
Radjeni su slucajevi za duzinu impulsnog odziva RRC filtra kad je jednaka 4 i 8 perioda signaliziranja. Za 8 se dobija tacno zahtevano minimalno slabljenje od 30 dB.

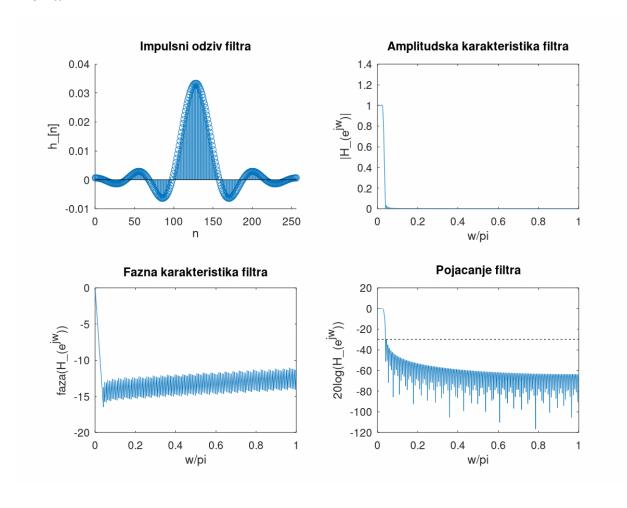
NF filtar je projektovan metodom prozora, Hanovom prozorskom funkcijom, cije je minimalno slabljenje u nepropusnom delu 44 dB.

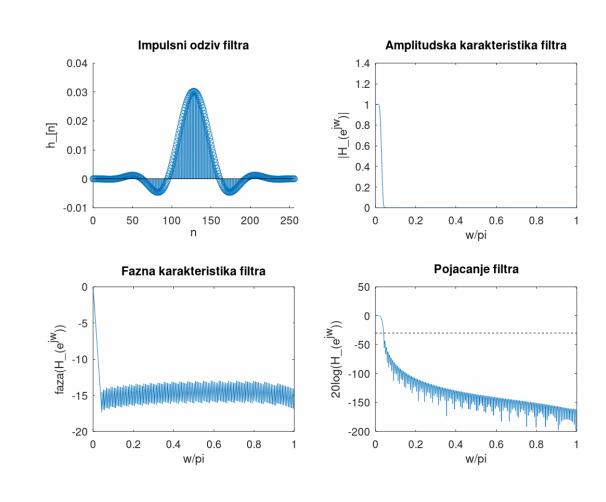
Procena SGSS ima jednu izrazenu komponentu.

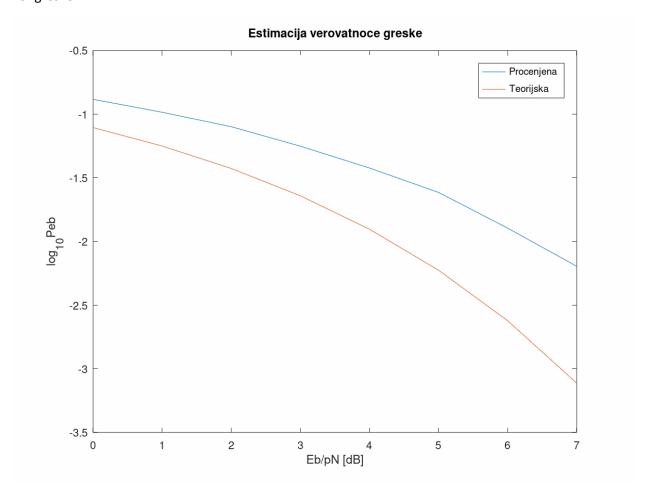


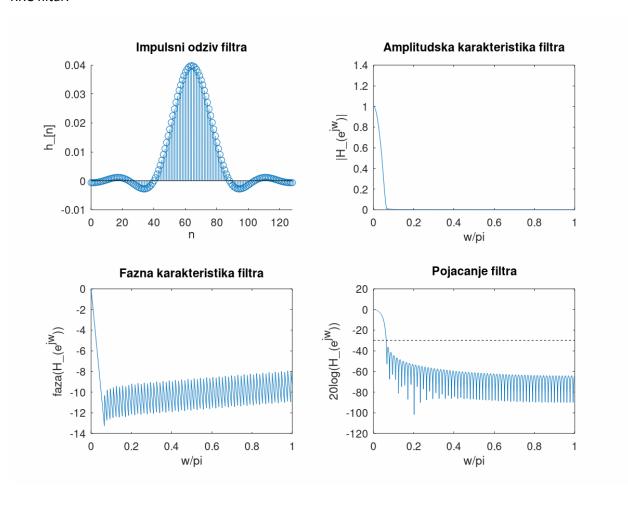


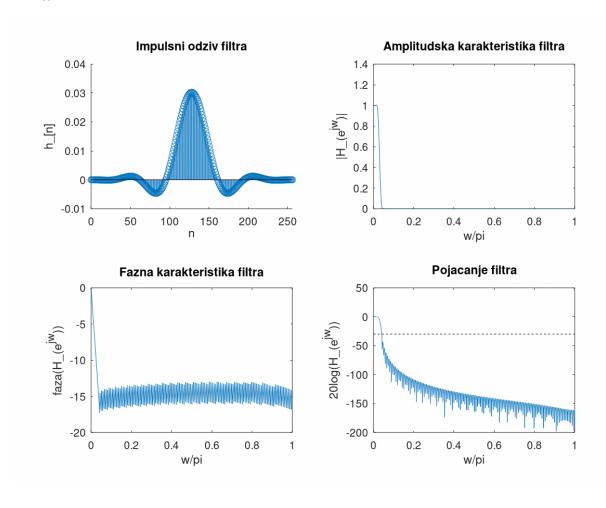


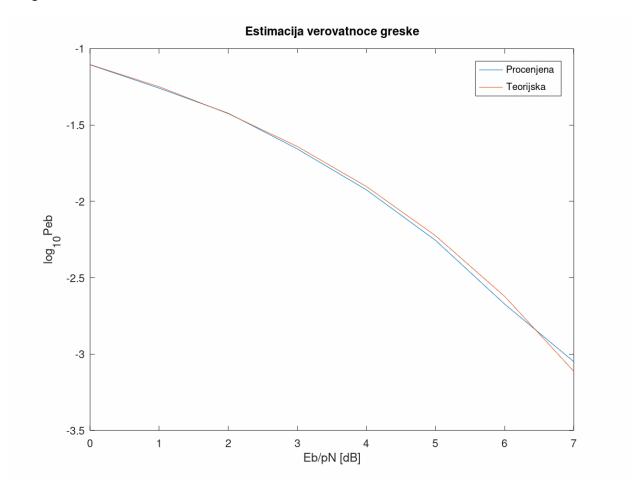


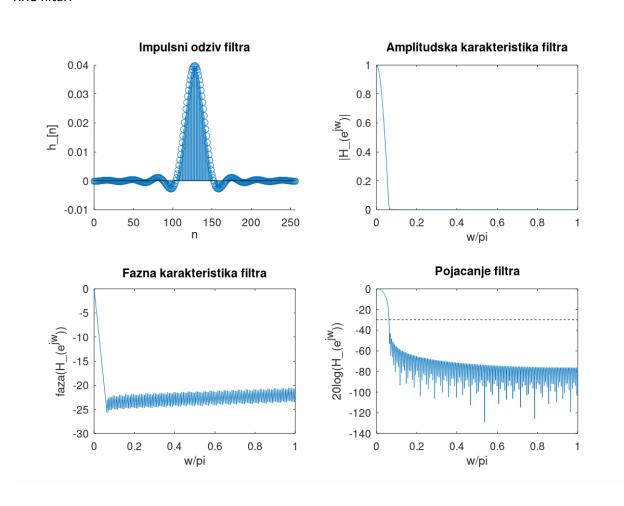


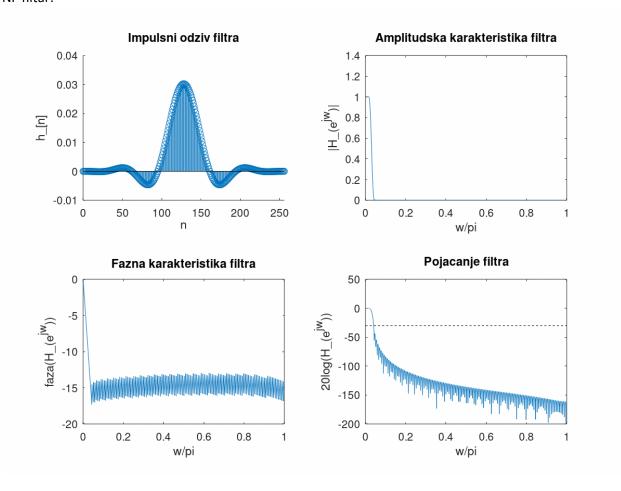




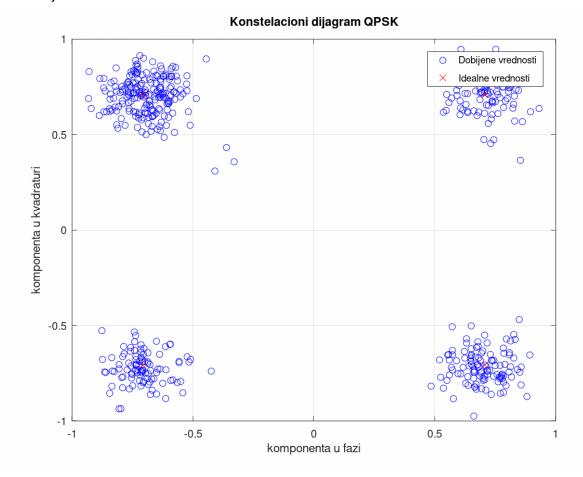




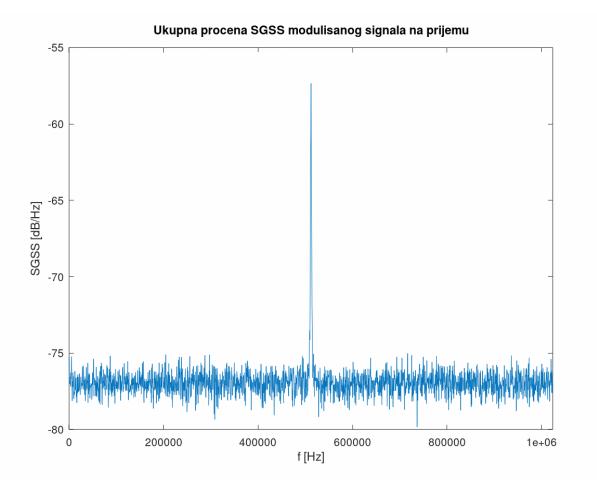


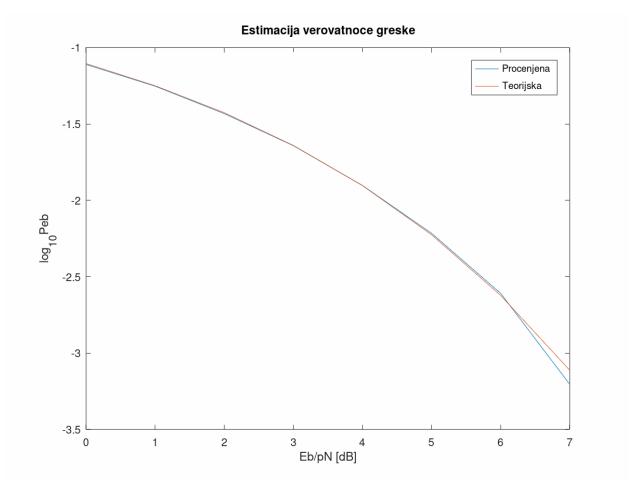


Konstelacija:

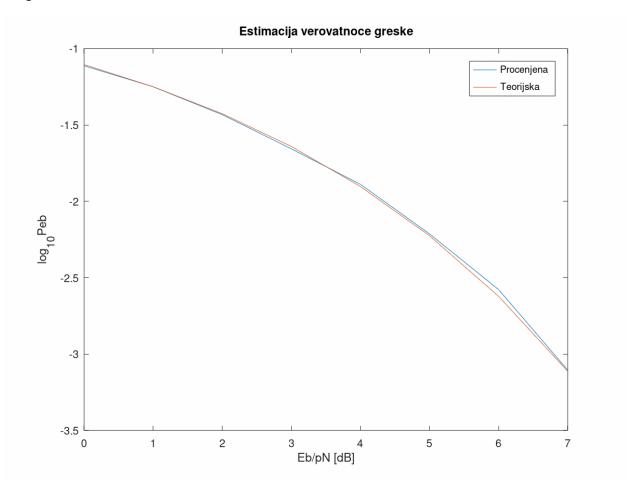


SGSS procena:



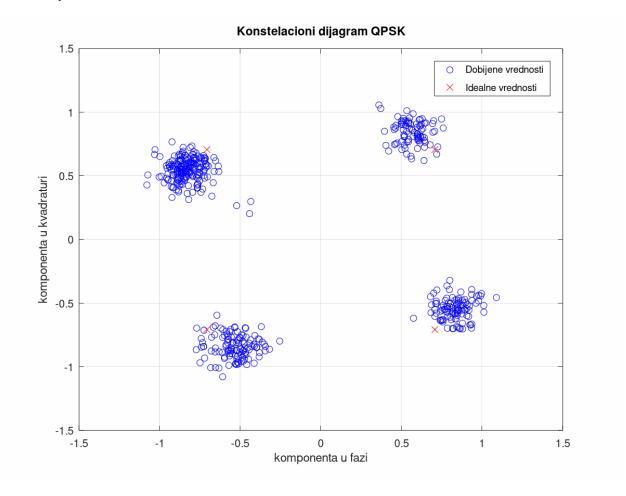


5. 50% siri NF filtar, ro = 1, N = 8



6. Neidealna sinhronizacija: fi_0 = pi/16, ro = 1, N = 8

Konstelacija:



6. Neidealna sinhronizacija: fi_0 = pi/16, ro = 1, N = 8 ver greske:

