

SC system. Use receiver b) of HW3 with matched filter and
DFE at T. Given 4p at detection point, scale it by 40 to
gield you and evaluate Re [4] and Im [4] and corresponding
LLR's.
Report Folulis of to My D M2 and expressions of 1/P/s assess tool
Report values of to, 071, D, 072, and expressions of LLR's associated to C'2R and C'2R+1 of attention to delay). Use results of HW3.
2 fk that 2 fk+1 of all entrone is the testines of 1710 5.
DEDM system let the black site 4=512 Mass T = Tblock
OFDM system. Let the block site $M=512$. Moreoser $T_{OFDM} = \frac{T_{block}}{M+N_{PX}}$ where $T_{block} = T'$ in the textbook and N_{PX} is the
1 De De 10
prefix length.
He receive filter is a square root of a roos pulse, Its
prefix length. The receiver filter is a square root of a 'r cos' pulse, Its output is sampled with a suitable timing phase to.
Plat { 9c (nTc)}, { frees (nTc)}, { 9c (nTc) = got * 9c * frees}
Plat of h(m Tofpar) = 9R(to+m Tofpar)}, equivalent chimp, resp. in OFOR
Plat $ Q_R(f) $, $ g_{res}(f) $, and $g_{res}(f)$, and $g_{res}(f)$, and $g_{res}(f)$
Plat the DFT of hover Masamples, magnitude, in dB.
Determine to, the einsteart the receiver starts collecting M+Npx
samples, better let to = to Tc, just report to.
Determine suitable values for Mpse and Noir (the number of
virtual subchannels.
Report expression of LLR's.
Performance Plot the following six curves
U V
DFE (green) DFE (green)
Phit DFDM (blue) Phit DFDM (blue)
Phit DFE (green) OFDM (blue) AWGH (black) 7 (dB) ? OFDM (blue) 10 (coded) DFE (green) DFE (green) AWGH (black) 10 (Hote: Small)
? [(dB)? ? [(dB)]. (Hote: Small
? [(dB)? ? (Note: Small range)
8 /