Frequency-selective

Wireless Channel

P/S

c1

q1

Precoding

x1

Add

CP

IFFT

S/P

S/P

S/P

Remove CP

FFT

Remove CP

FFT

P/S

Det

P/S

Det

S/P

IFFT

Add CP

P/S

x1

q2

c2

*K* users

*M* antenna

cM

xM

qN

S/P

IFFT

Add CP

P/S

Keterangan:

M = Jumlah antenna Tx

K = Jumlah user

N = Jumlah subcarrier

x1

p1

c1

q1

precoding

P/S

Reordering

Add

CP

IFFT

S/P

q2

S/P

IFFT

Add CP

P/S

x2

p2

c2

precoding

*N* subcarrier

*M* antenna

xM

pM

cN

qN

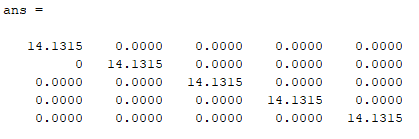
precoding

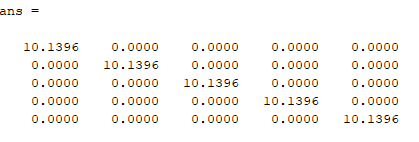
S/P

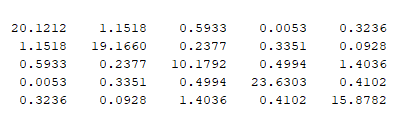
IFFT

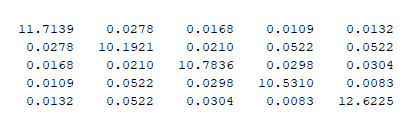
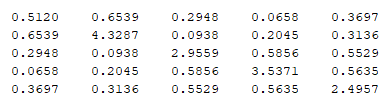
Add CP

P/S









Daya sinyal yang diterima tiap user

Interferensi user lain = 0

S/P

S/P

Remove CP

FFT

Remove CP

FFT

P/S

Det

P/S

Det