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(22) 2002 08 22

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4

1 2
ion Duplexing: FDD)

(Frequency Divis

2 4 1
exing: TDD)

(Time Division Dupl

3

4 N
ed Frequency Division Duplexing: IFDD)

(Interlac

5 OFDM SSCTD

OFDM SSCTD

(feedback)

가

(S/N)

1

coherent

가

가

가

2

(slot)

가

OFDM

가

1

2

가

3

, Δ

N

가
3

N 가

가
N

4

(

1-2

1-1

[1-1]

$$I_{2k+1} = f(I_2, I_4, \dots, I_{2k}, \dots, I_N)$$

[1-2]

$$I_{2k} = f(I_1, I_3, \dots, I_{2k+1}, \dots, I_N)$$

I_k k

f()

(OFDM)

Subchannel Space-Combining Transmission Diversity(SSCTD)

SSCTD OFDM

가

M

SSCTD
SSCTD

OFDM (OFDM (가

OFDM SSCTD/
OFDM SSCTD

TDD)
/IFDD)

OFDM SSCTD/TDD
, OFDM SSCTD/IFDD

가

1

OFDM SSCTD/IFDD

, f()

1

2

[2]

$$h_{2k+1} = \frac{h_{2k} + h_{2k+2}}{2}$$

h_k

5 DM SSCTD/TDD OFDM SSCTD/IFDD OF
 (BER) 128
 OFDM 가 (Doppler) COST 259
 0km 250km
 , h_k 가 가 50 OFDM 가

5 , OFDM SSCTD/TDD OFDM SSCTD/IFDD , OFD
 M SSCTD/TDD 가 , OFDM SSCTD/IFDD
 (IFDD) , 가
 가

OFDM

가

(57)

1.

2.

1 ,

$$I_{2k+1} = f(I_2, I_4, \dots, I_{2k}, \dots, I_N)$$

I_k k

3.

1 ,

$$I_{2k} = f(I_1, I_3, \dots, I_{2k+1}, \dots, I_N)$$

I_k k

4.

1 ,

$$h_{2k+1} = \frac{h_{2k} + h_{2k+2}}{2}$$

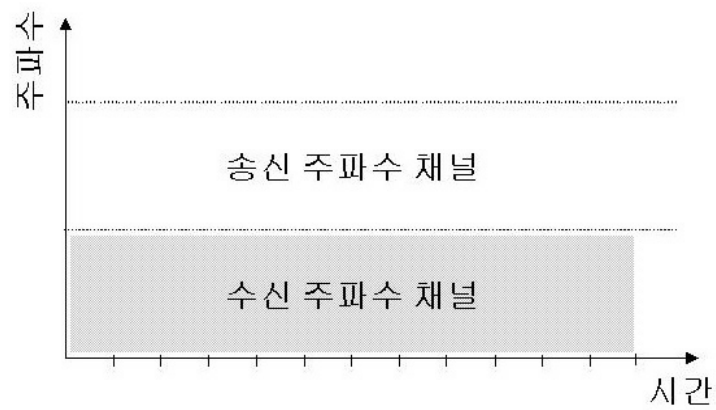
h_k k

5.

1 ,

OFDM

1



2

