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2003 05 09

(21) 10-2001-0067721  
(22) 2001 10 31

(71) 3 416

(72) 3 3 910

806 901

306 302

730 803

1 1051-47

103-202

(74)

:

(54)

가.

4

, HI.

1a

1b

2 (SHO)

3 (SHO)

4 (SHO) (power offset)

5a

5b 5c

6

7a (FBI)

7b 7a

8

9

10

11

12

13

14 (RNC)

15 SRNC

16 가

17

18 SRNC가

19 SRNC가 DRNC

20 가

21 가

Speed Downlink Packet Access, 'HSDPA' ) (Indicator) (High  
 vision Modulation Access, 'W-CDMA' ) HSDPA (Wide Code di  
 Speed Downlink Shared Channel, 'HS\_DSCH' ) HS\_DSCH HSDPA (High  
 (User Element, 'UE' ) HS\_DSCH HSDPA H  
 SDPA 10ms HS\_DSCH (Radio Frame) UE  
 UE HS\_DSCH UE  
 , 2 W-CDMA HS\_DSCH HSDPA (Dedicated Ch  
 annel, 'DCH' ) HS\_DSCH HSDPA  
 (High Speed Downlink Packet Access Indicate, 'HI' ) DCH  
 DCH 가 가 가  
 DCH UE (Transmission Power Cont  
 rol, 'TPC' )  
 HS\_DSCH UE HS\_DSCH UE  
 UE HS\_DSCH DCH HI U  
 E  
 HSDPA HS\_DSCH 1a  
 1a HS\_DSCH(101) 1a  
 (Slot#1 Slot#14) 15 10ms 가  
 (Slot#1 Slot#14) 15 (Slot#1 S  
 lot#14) 2560 (20x2<sup>k</sup> k=0,1,...,6) UE

HSDPA (Dedicated Phys  
 ical Channel, 'DPCH' ) HS\_DSCH DCH가 DCH  
 DPCH 1b .  
 1b , DPCH(111) 15 (Slot#1 Slot#14)  
 , 10ms 가 . (Slot#1 Slot#14)  
 (112, 116), TPC (113), (Transmit Format Combination Indicator, 'TFCI'  
 ) (114), HI (115) 가 가 (Pilot)(117) . DPCH  
 1b DATA1 (112) DATA2 (116) (Dedicated Da  
 ta Physical Channel, 'DPDCH' ) , 가  
 . TPC (113), TFCI (114), HI (115) (117)  
 (Dedicated Control Physical Channel, 'DPCCH' ) . TPC (113) UE  
 , (117) UE가  
 (117)  
 UE가 TFCI (114)  
 DPCH 가 (Transport channel) UE  
 , TFCI (114) 1024 (Transport For  
 mat Combination, 'TFC' ) TFCI , HI (115)  
 UE HSDPA HS\_DSCH 가 DPCH HI  
 가 HSDSCH . 15 HI 가  
 . HI 가  
 UMTS Release '99 , HSDPA  
 HS\_DSCH가 HI (115) .  
 , HSDPA UE가 HSDPA  
 가  
 2 HSDPA HS\_DSCH UE가  
 ) , 가 B 2 B( (Radio Network Controller, ' )  
 RNC' ) , UTRAN(UMTS Terrestrial Radio Access Network, 'UTRAN' )  
 . UTRAN UE RNC B UTRAN .  
 B RNC B  
 B (Soft Handover, 'SHO' ) UE가 가  
 B B B UE B  
 B B B B  
 B , UE B  
 . UE , UE  
 (source) B UE , UE (target)  
 가 가  
 B B B

2 B(201) HS\_DSCH UE(211)가

S\_DSCH가 HS\_DSCH가 HS\_DSCH가 DCH HS\_DSCH가 H

B B B가 HS\_DSCH가 B

HS\_DSCH HS\_DSCH HS\_DSCH UE B

B UE HS\_DSCH B가 B

UE HS\_DSCH B가 ,

ing) 가 UE (Soft Combin

2 1 B(201) 2 B(203) UE(211) DPCH DPCH

UE B B (201, 203)

가 B가 DCH B (201, 203)

가 TPC(112)

11)가 HI (115) HS\_DSCH DPCH HI UE(2

DCH B(201) HS\_DSCH UE B(203)

UE가 B B

HSDSCH B B HSDSCH B

UE HI B가 HI가 SRNC(Serving RNC)

B UE

(HSDPA)

(HI) (UE)

(UE) (HS\_DSCH) (HI)

(HSDPA)

DSCH HI HS\_DSCH B RNC가 HI RNC가 HS\_DSCH HS\_

HS\_DSCH , UE가 HS\_DSCH HS\_DSCH RNC B RNC가 UE

HS\_DSCH UE가 UL\_DCH HI

HS\_DSCH UE가 HI B UL\_DCH

1 1 1 2

2 1 1

가

1 2 1 2

2 1 1

가

UE HSDPA (HI)가

3 UE HI B가 2

B RNC UE 가

3 UE(311) 1 B(305) 2 B(335) 가 UE(311)

1 DPCH HS\_DSCH(321) HI DCH B(335) B(335) TFCI

DPDCH 가 1 B(305) DCH UE(311)가 HI H

I (325) HI 3 HS\_DSCH UE(311)가 (325) RNC A(303)

4 5a 5c

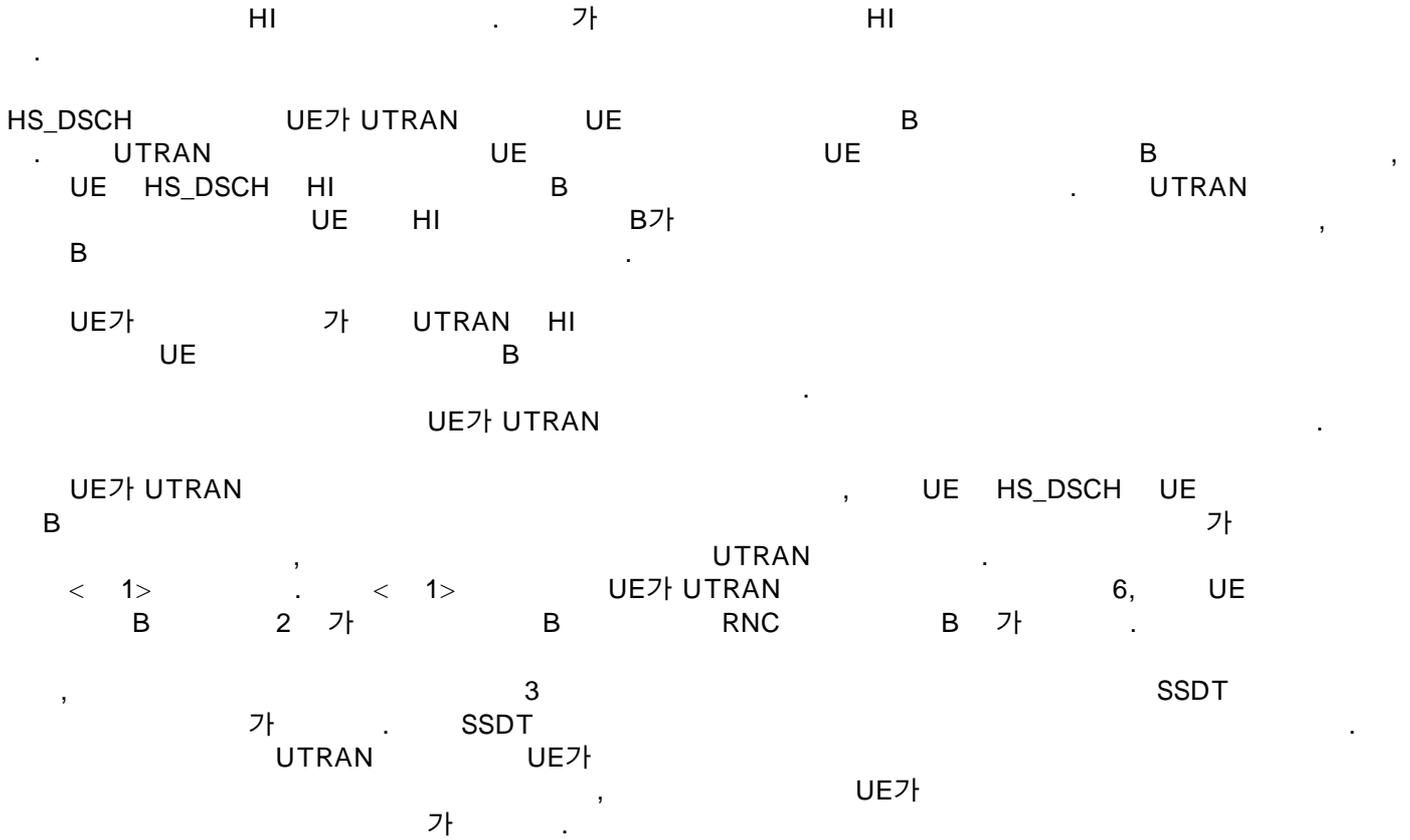
4 3 B UE DCH

4 Data 1(401) Data 2(405) P(411)

P(411) UE TPC(402) Data 1(401) Data 2(405)

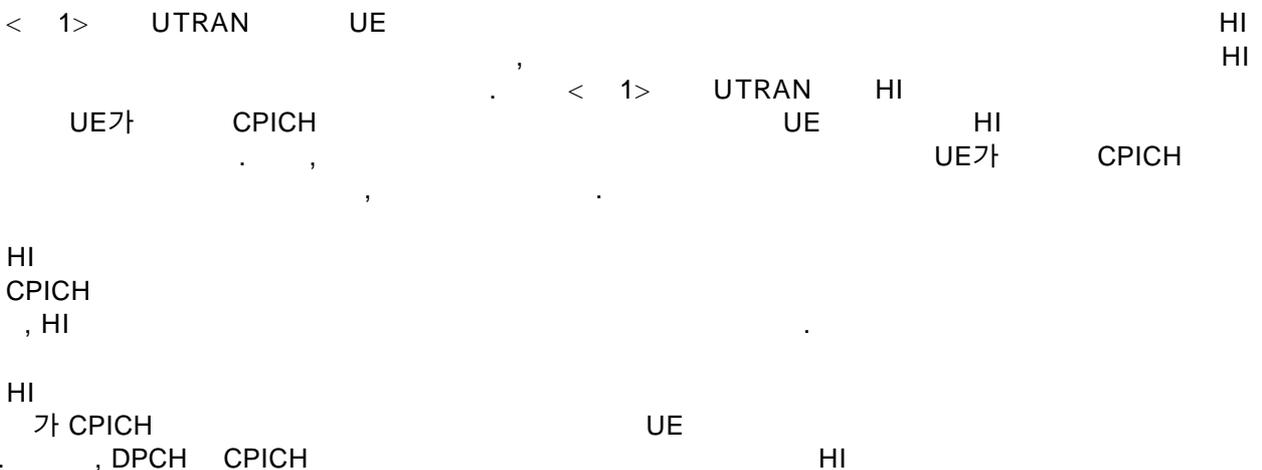
(Quality of Service, 'QoS') TPC(402) TFCI(403), Pilot(406)

Data 1(401) Data 2(405)가 P(411) P\_offset1 (412), P\_offset2 (413), P\_offset3 (414)  
 , HI(404) TFCI(403), data(401, 405) Pilot(406) 가 가 ,  
 HI(404) 4 Data 2(405) 5a HI(501) Data 2(502) P(411) H  
 I(501) Data 2(502) HI(501) Data 2(502) 가 가  
 UE HI 가 .  
 6b 6c .  
 , 6b HI(511) Data 2(512) Data 2(512)  
 4 (415)가 S\_DSCH UE가 HI P(411) HI(511) HI P\_offset H  
 P\_offset4 (415) HS\_DSCH RNC가 H  
 6c HI(521) Data 2(522) Data 2(522)  
 HI(521) 5c Data 2(522) UE HI P\_offset4 (415)  
 HI(521)가 HI(521) HI(521)가 DPCH HI  
 HI(521) HI(521) HI(521)가 HI  
 3, 4, 5b 5c , HS\_DSCH UE가  
 HI가 Data2 UE B , HI RNC HS\_DSCH  
 HI UE HI HI , HS\_DSCH  
 , HI HI 가 ,  
 TRAN HI UE가 B UE UTRAN U  
 UTRAN UE HI B HI UTRAN B UE  
 (Site Selection Diversity,  
 'SSDT' ) HI HI  
 가 HI 가 , UE가 UTRAN  
 UE B B B HI UE가 HS\_DSCH  
 B B RNC B B HS\_DSCH  
 SSDT HI UE가 가 HI UE가 가 가 HS  
 \_DSCH B 가 HI B가 HS\_DSCH RNC B가 HS  
 RNC B UE가 HS\_DSCH HI DPCH P B 가 P\_offset4  
 SSDT HS\_DSCH B가 B UE  
 , HI HS\_DSCH UE ,  
 B가 HI HS\_DSCH UE  
 , SSDT UTRAN HI , HS\_DSCH  
 B가 UE UE B HI 가



[ 1 ]

( )	(UE )		UTRAN
6 dB		00000	4 dB
4 dB		01001	3 dB
2 dB		11011	2 dB
0 dB		10010	1 dB
- 2 dB		00111	0 dB
- 4 dB		01110	- 2 dB



가 CPICH UE HI

UE가

< 1> HS\_DSCH B UE가 H

S\_DSCH B , B , H

가 , HS\_DSCH B B DPCCH , HS\_DSCH

가 B DPCCH B B HS\_DSCH

HI UE가 B ,

HI UTRAN

H UE UE B CPICH , DPCCH

B RNC HI HS\_DSCH

HI UE SSdT HI

UTRAN SSdT 8가 HI HI

(Feedback Information Field, 'FBI' ) HI UL\_DPCCH UTRAN

HI SSdT

6 UE가 HI , UE

B 2 B RNC 가 .

6 , 1 B(601) UE(611) DCH HS\_DSCH

, 2 B(603) UE(611) 1 B(601) HS\_DSCH DCH UE(611) DCH

UL\_DCH UE(611)가 B 1 B(601) 2 B(603) UL\_DCH B(603)

UE(611) UL\_DCH B UE , 1 B(601) 2 B(603)

SSdT UTRAN HI UE(611)가

가 , UE(611) 1 B(601) 2 B(603)

03) UL\_DCH (Feedback Information, 'FBI' .) B

B HS\_DSCH UE(611) B UE(611)

HI

FBI 7a , 2 7a 701 FBI S-

W-CDMA UE(611)가

703 D- W-CDMA SSdT UE(611)가

S- (701) 0 1 가 S- (701)가 0

3)가 0 SSdT가 , 1 SSdT가 SSdT가 FBI

, 2 SSdT SSdT가

< 2> < 3> FBI UE(611) B

SSdT . < 2> < 3> 가 W-CDMA

S\_DSCH < 2> < 3> 15 가 W-CDMA H

[ 2 ]

ID label	ID Code		
	long code	Medium code	Short code
a	0000000000000000	(0)0000000	00000
b	101010101010101	(0)1010101	01001
c	011001100110011	(0)0110011	11011
d	110011001100110	(0)1100110	10010
e	000111100001111	(0)0001111	00111
f	101101001011010	(0)1011010	01110
g	011110000111100	(0)0111100	11100
h	110100101101001	(0)1101001	10101

< 2> 1 bit FBI가 SSDT . , SSDT가

[ 3 ]

ID label	ID Code		
	long code	Medium code	Short code
a	(0)0000000	(0)000	000
	(0)0000000	(0)000	000
b	(0)0000000	(0)000	000
	(1)1111111	(1)111	111
c	(0)1010101	(0)101	101
	(0)1010101	(0)101	101
d	(0)1010101	(0)101	101
	(1)0101010	(1)010	010
e	(0)0110011	(0)011	011
	(0)0110011	(0)011	011
f	(0)0110011	(0)011	011
	(1)1001100	(1)100	100
g	(0)1100110	(0)110	110
	(0)1100110	(0)110	110
h	(0)1100110	(0)110	110
	(1)0011001	(1)001	001

< 3> 2 Bit FBI가 SSDT . , < 3> SSDT가

SSDT < 2> < 3> B

UE(611)가

B

AN SSdT UE가 HI HI , UTRAN gkse. , UE가 SSdT ID HI , UTR HI B UE SSdT

가 HI HI , HI , SSdT HI , UE가 UE

6 6 UE(611) 1 B(601) 2 B(603) B

CH FBI , HI 1 B(601) UE UL\_DPCCH FBI B UL\_DPC

HI B 2 B(603) 가 UL\_DPCCH HI 2 B(603) FBI UE

HI B 1 B(601) HI UE HI UE(611) B

RNC HS\_DSCH RNC HI UE(611)

T < 2> < 3> SSdT HI SSdT HI SSD

SSdT < 3> short SSdT 가 6 가 2bit FBI 가

가 1bit FBI 가 2 가 3 long SSdT 가 15

가 SSdT 1 가 15 , ,

HI HI < 1>

$$P_{HI} = P + P_{\text{offset4-NodeB}} + P_{\text{offset4-Channel-Environment}}$$

< 1> HI , HI DPCH P UE HI UE(611) B

$P_{\text{offset4-NodeB}}$  , UE UE가 B

$P_{\text{offset4-Channel-Environment}}$  ,

< 1> UE(611)가 HI DPCH

8 < 1>

8 HI B 8 802 , UE가 850 t HI

802 UE B B가 HI P

SHO DPCH HI DPCH 8 801 UE

가 t B DPCH ,  
 8 832 UE가 ,  
 UE UE 가 B 832  
 RNC 8 850 t B , B가 HS\_DSCH B  
 , 1 3[dB] UE 가 B DCH  
 8 833 8 850 t UE HS\_DSCH B  
 DCH , HS\_DSCH 833 B UE HS\_DSCH B  
 833 B 가 2 HI B가 UE 4 TPC  
 HI UE가 HI , HI RNC  
 RNC가 802 HI RNC HI B RNC ,  
 B HI RNC HI B  
 8 832 UE가 B DPCH , B  
 B UTRAN UE UE가 , UE가 B D  
 PCH UE가 UE가 B가  
 832 B B DCH ,  
 B HS\_DSCH B HS\_DSCH B 832  
 , UE 832 가 2 , UE HS\_DSCH B HS\_DSCH  
 B B RNC RNC 가 , 832 B 2 B  
 B 가 가 , 가 1dB , B  
 CPICH DPCH HS\_DSCH UE가 UE B  
 8 833 UE HI B , 933  
 UE HI 가 가 , UE DCH UE  
 , UE DCH  
 WCDMA UE  
 DSCH UTRAN , HS\_DSCH , UTRAN HS\_  
 HI ,  
 3 UE HI B 가 가 93  
 UE가 , 833 833  
 , 0[dB] UE가 833  
 가 1dB 가 933 1dB 0.5dB  
 H , , B UE 833 833 HS\_DSC  
 4 5 , 3 ,

2

833 B  
 833 HS\_DSCH ( B) ( B)  
 B) 가 B < 4>

[ 4 ]

	HS_DSCH B	UE HS_DSCH B
+		가
-		

< 4> 가 가 < 4> HS\_DSCH B  
 B UE 가 , UE가 , HS\_DSCH B  
 가 가 UE , HS\_DSCH B  
 가 B HS\_DSCH B HI  
 HS\_DSCH 가 833  
 933 UE가  
 0dB  
 833 UE DCH  
 833 가  
 가 , SSDT 가 DCH , HS\_DSCH B  
 833 , HS\_DSCH 833  
 DCH , DCH 가 가 833 가 833 833  
 B 833 DCH , 833  
 833 UE B  
 DCH 가 833 833  
 가 SSDT 가 , 833 833  
 가 SSDT 가 ,  
 833  
 DT 가 10 , FBI D- 2 , SS 5

UE 5 DCH ,가  
 가 HS\_DSCH 933 B , HI 2 가  
 5 3 HS\_DSCH B 가 833 가  
 DCH HS\_DSCH 가 B .  
 UE B .  
 UE가 HS\_DSCH B DCH HI  
 HS\_DSCH UE , UE B  
 8 832 UE HS\_DSCH 8 833  
 . 832 833 UE가 HI HI  
 , HI < 5>

[ 5 ]

HS_DSCH HI	Short code
0.5 dB	00000
1 dB	01001
1.5dB	11011
2 dB	10010
2.5 dB	00111
3 dB	01110
3.5dB	11100
4 dB	10101

< 5>  
 HI HS\_DSCH SSĐT ID 1 bit FBI short , < 5>  
 ] UE UE B 1 3[dB HI  
 HI < 5> 8 가 HS\_DSCH B HI  
 8 832 933 가 HI UE가  
 , HI B HI HI  
 TPC HI UE  
 HI B HI UE  
 가 HI HI HI ,  
 HI RNC가 UE가 HI HI  
 가 .  
 UTRAN( RNC)가 UE RNC가 UE  
 B HS\_DSCH HI UE가 U  
 E B HI , B RNC B  
 HI . B RNC ,  
 HI HI UTRAN( RNC) UE HI  
 HI RNC가 HI HS\_DSC  
 H UE B UE가 UL\_DPDCH  
 B UE UL\_DPCCH

UE가 HI  
UE

가

9

가 (UE)

UE가 B

가 UE

UE 9 (901) UE B RF

, RF (902) RF (902) (903) #1(Descrambler)(910) #n(930)

(Scrambling code) W-CDMA B, HS\_DSCH

9 B #1 #1(910) #n(930) HS\_DSCH B #n

가

#1(910) (Despreader) #1(911) B

W-CDMA OVSF(Orthogonal Variable Spreading Factor)

가 #1(911) (Downlink

nk Common Channel), (Downlink Dedicated Channel) (Do

wnlink Common Pilot Channel)가 (Broadcasting Channel), UE (Paging Channel)

(Forward Access Channel) B #

1 UE

#1(911) (912) B #1 UE

B #1 (912) B #1 (913) UE가

가 (950) (913)

9 (914) (913)

(DPDCH) (DPCCH)

DPDCH DPCCH (914)

(914) HI, TFCI, TPC

(915) (916)

UE (914) 9

#1(917) 가

#1(917) 9

(950) TPC B #1 UE UE가

가

9 (930) B #n

#1(910) #n(930) #n(931)

#n(931) #1(911) #n(931)

#n(932) (933) B #n UE

가 (950)

#n(932)

#1(912) TPC, #n(931) (933), (934)

, TFCI, HI

(933) (913) 가 (934) (914)  
 . (935) , (936)  
 UE . (934)  
 9 #n(937)  
 가 #n(937) #1(917)  
 . 9  
 (950) 가 .  
 (914) TPC B #n UE  
 UE가 가 . #n(931)  
 , B UE  
 #n(931) (938) (939)  
 UE (938) (915) (935) (939)  
 (916) (936)  
 B 9 (950) UE가 B #1 TPC,  
 , B ( B #2 DPCCH) HI TPC,  
 , TFCI HS\_DSCH가  
 10 UE  
 10 , 9 950 HI  
 TFCI TFCI 10 (1011)  
 B UL\_DPCCH TPC 가 UE  
 , TFCI HI  
 (1011) 13 (1350) TFCI HI  
 가 (1011) UL\_DPCCH FBI S TFCI HI  
 , UL\_DPCCH TPC  
 10 (1016) (1011) FBI (1012)  
 TPC(1013) , UE (1014), TFCI(1015)  
 UL\_DPCCH UL\_DPCCH 10 (1017)  
 UL\_DPCCH OVSF  
 (1017) (1020) UL\_DPCCH  
 (1005) UL\_DPDCH . UL\_DPDCH UL\_DPDCH  
 (1001)가 (1002) (1003) (1004) UL\_DPDCH가  
 OVSF (1004) (1021) UL\_DPDCH  
 1005) UL\_DPDCH UL\_DPCCH (1005) UL\_DPCCH UL\_DCH ( )  
 , RF (1008) 가  
 (1010) B  
 11 B  
 1 , 11 (1101) UE RF (1102)  
 (1103) (1104)  
 10 (1006) UE가  
 B UE (1104)  
 ) 11 (1105) UL\_DPCCH UL\_DPDCH (1104)  
 (1105) UL\_DPCCH (1106) , TFCI, FBI, TPC  
 (1107) UE B

11 (1105) 가 UL\_DPDCH  
 , UL\_DPDCH가 UL\_DPCCH (1107) , UE B B UL\_DPDCH  
 CH

(1108) (1106) (1107) B가 FBI TPC 가 , ,  
 , (1106) TPC (1109) (1109) ,

TFCI HI (1109) (1106) FBI FBI TFCI HI  
 가 가 TFCI HI  
 SSDT ID (1109) UTRAN (1109) UTRAN  
 HS\_DSCH 가 B , 11 (1110) B  
 (1111) , (1112)

12 B

12 DPDCH (1201) (1202)  
 (1205) (1205) TFCI(1204), (1203),  
 (1206) UL\_DCH TPC, (1202)  
 DPDCH, HI(1230) TFCI , DCH  
 (1206) 11 (1108) , UL\_DPCCH  
 (1205) DCH TPC (1207) DCH DPCCH  
 DCH가 OVSF  
 (1232) DCH (1220)  
 09) (1109) RNC HI(1230) 11 (11

12 (1211) B가 UE HS\_DSCH data  
 HS\_DSCH (1212) (1213) HS\_DSCH OVSF  
 (1213) HS\_DSCH  
 (1220)

12 (1215) (1230)  
 (1220) (1215) (P  
 rimary Common Control Physical Channel), (Sec  
 onday Common Control Physical Channel) , 12  
 (1217) B , , ,  
 (1231) (1220) , , ,

12 (1220) (1221) B B (Scrambling) (1222)  
 (1221) (1222) B B RF (1223) UE  
 RF (1223) B (1225) B

set HI Cell HI HI power off  
 power offset RNC가 UE B

13 UE RNC

( B)(1305) ( B)(1335) , 13 (Prim  
 ary) (cell) N M 가 . B(1305) , UE(1311) HS\_DSCH DPCH ,  
 (Secondary) B(1335) UE(1311) UE(1311)  
 ( DCH) . RNC 가 UE  
 (cell) 8 , M N 0 7  
 HI (power offset) M N M HS\_DSCH  
 (cell) N HS\_DSCH (cell) HS\_DSCH  
 (cell) RNC(1302) (cell) . M N RNC UE가  
 (power offset) RNC UE가  
 (Power offset) 가 RNC SRNC가 가 SRNC M N  
 HI Radio Link Setup/Addition , SRNC HS\_DSCH (cell)  
 (power offset) Radio Link Setup/Addition Request  
 (cell) HSDPA Radio Link Setup/Addition Response  
 SRNC SRNC HI (p  
 ower offset) HS\_DSCH (cell) HI  
 (cell) HSDPA SRNC  
 Radio Link Setup Response < 6> < 7> < 6> RNC-  
 B Radio Link Setup Response , < 7> RNC-RNC Radio Link Setup R  
 esponse

[ 6 ]

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		-	
Message Type	M		9.2.1.46		YES	reject
CRNC Communication Context ID	M		9.2.1.18	The reserved value "All CRNCC C" shall not be used.	YES	ignore
Transaction ID	M		9.2.1.62		-	
Node B Communication Context ID	M		9.2.1.48	The reserved value "All NBCC" shall not be used.	YES	ignore
Communication Control Port ID	M		9.2.1.15		YES	ignore
<b>RL Information Response</b>		1 to <maxnoofRLs>			EACH	ignore
>RL ID	M		9.2.1.53		-	
>RL Set ID	M		9.2.2.39		-	
>Received total wide band power	M		9.2.2.39A		-	
>Diversity Indication	C-NotFirstRL		9.2.1.26		-	
>CHOICE diversity Indication	M				-	
>>Combining					-	
>>>RL ID	M		9.2.1.53	Reference RL ID for the combining	-	
>>>Non Combining or First RL					-	
>>>>DCH Information Response	M		9.2.1.20C		-	
>DSCH Information Response	O		9.2.1.27A		YES	ignore
>SSDT Support Indicator	M		9.2.2.46		-	
> HI transmission Indicator	O				YES	ignore
TFCI2 Bearer Information Response	O		9.2.2.49A		YES	ignore
Criticality Diagnostics	O		9.2.1.17		YES	ignore

[ 7 ]

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Type	M		9.2.1.40		YES	reject
Transaction ID	M		9.2.1.59		-	
D-RNTI	O		9.2.1.24		YES	ignore
CN PS Domain Identifier	O		9.2.1.12		YES	ignore
CN CS Domain Identifier	O		9.2.1.11		YES	ignore
<b>RL Information Response</b>		1..<maxno ofRLs>			EACH	ignore
>RL ID	M		9.2.1.49		-	
>RL Set ID	M		9.2.2.35		-	
>URA Information	O		9.2.1.70B		-	
>SAI	M		9.2.1.52		-	
>Cell GAI	O		9.2.1.5A		-	
>UTRAN Access Point Position	O		9.2.1.70A		-	
>Received Total Wide Band Power	M		9.2.2.35A		-	
>Secondary CCPCH Info	O		9.2.2.37B		-	
>DL Code Information	M		FDD DL Code Information 9.2.2.14A		-	
>Diversity Indication	C-NotFirstRL		9.2.1.21		-	
>CHOICE Diversity Indication	M				-	
>>Combining					-	
>>>RL ID	M		9.2.1.49	Reference RL ID for the combining	-	
>>>DCH Information Response	O		9.2.1.16A		YES	ignore
>>>Non Combining or First RL					-	
>>>DCH Information Response	M		9.2.1.16A		-	
>SSDT Support Indicator	M		9.2.2.43		-	
>HI transmission Indicator	O				Yes	ignore
>Maximum Uplink SIR	M		Uplink SIR 9.2.1.69		-	

HI (Power offset) RNC B  
M N power offset B

(Power offset) NBAP B RNC NBAP  
NBAP (power offset) Radio Link Setup

< 8> HI (power offset) Radio Link Setup  
< 8> PO4가 HI (power offset)

9.1.36 RADIO LINK SETUP REQUEST

9.1.36.1 FDD message

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		-	
Message Type	M		9.2.1.46		YES	reject
CRNC Communication Context ID	M		9.2.1.18		YES	reject
Transaction ID	M		9.2.1.62		-	
<b>UL DPCH Information</b>		1			YES	reject
>UL Scrambling Code	M		9.2.2.59		-	
>Min UL Channelisation Code length	M		9.2.2.22		-	
>Max Number of UL DPCHs	C - CodeLen		9.2.2.21		-	
> puncture limit	M		9.2.1.50	For UL	-	
>TFCS	M		9.2.1.58	for UL	-	
>UL DPCCH Slot Format	M		9.2.2.57		-	
> UL SIR Target	M		UL SIR 9.2.2.58		-	
>Diversity mode	M		9.2.2.9		-	
>SSDT cell ID Length	O		9.2.2.45		-	
>S Field Length	C-FBI		9.2.2.40		-	
<b>DL DPCH Information</b>					YES	reject
>TFCS	M		9.2.1.58	For DL	-	
>DL DPCH Slot Format	M		9.2.2.10		-	
>TFCl signalling mode	M		9.2.2.50		-	
> TFCl presence	C- SlotFormat		9.2.1.57		-	
> Multiplexing Position	M		9.2.2.29		-	
>PDSCH RL ID	C-DSCH		RL ID 9.2.1.53		-	
>PDSCH code mapping	C-DSCH		9.2.2.25		-	
<b>&gt; Power Offset Information</b>		1			-	
>>PO1	M		Power Offset 9.2.2.29	Power offset for the TFCI bits	-	
>>PO2	M		Power Offset 9.2.2.29	Power offset for the TPC bits	-	
>>PO3	M		Power Offset 9.2.2.29	Power offset for the pilot bits	-	
>>PO4	M		9.2.2.29	Power offset for HI	-	

이하 생략

HS\_DSCH UE 가  
 N M HI  
 B 15 (Frame protocol)  
 NBAP Radio Link Reconfiguration  
 B HS\_DSCH B  
 < 9> 가 Radio Link Reconfiguration  
 < 9> PO4 HI

9.1.47 RADIO LINK RECONFIGURATION REQUEST

9.1.47.1 FDD Message

IE/Group Name	Presence	Range	IE Type and Reference	Semantic Description	Criticality	Assigned Criticality
Message Discriminator	M		9.2.1.45		-	
Message Type	M		9.2.1.46		YES	reject
Node B Communication Context ID	M		9.2.1.48	The reserved value 할지않BCC shall not be used.	YES	reject
Transaction ID	M		9.2.1.62		-	
UL DPCH Information		0..1			YES	reject
>TFCS	O		9.2.1.58	For the UL.	-	
DL DPCH Information		0..1			YES	reject
>TFCS	O		9.2.1.58	For the DL.	-	
>TFCI Signalling Mode	O		9.2.2.50		-	
>Limited Power Increase	O				-	
> Power Offset Information		1			-	
>>PO1	M		Power Offset 9.2.2.29	Power offset for the TFCI bits	-	
>>PO4	M		Power Offset 9.2.2.29	Power offset for HI	-	

이하 생략

14 NC 가 , B DCH HS\_DSCH 가 (1421) DCH(1422, 1423, 1424) UE RNS RNC A(1402) RNC B(1404) B UE(1431) (1411) , (1412, 1413, 18)

18 , HS\_DSCH가 , HS\_DSCH가 B(1405) RNC(1402)가 UE SRNC B HI 22 RNC가 B HI HS\_DSCH control frame spare(2201) 가 RNC가 B 22

18 1801 SRNC HI (control frame) 16 (control frame) 14 RNC(1402) HI B HI RNC B 14 B(1405) B(1406) (control f SHO region (1411, 1412, 1413) 14 RNC(1402) HS\_DSCH HI (1411) HS\_DSCH data frame B

17 RNC B (data frame) (data frame) 17 DSCH (data frame) DSCH 가

17 (header) B (data frame) (1702) TFCI 17 TFI (spare bits) 가 가 (spare bit) 3 RNC B 가

RNC d B (ata frame) 가 (control frame)

18 1802 B 18 1801 SRNC가 B가 (control frame) (data frame) , HS\_DSCH (1411) B(1405) (data frame)

18 1803 B HI 1702  
 (data frame) , HS\_DSCH (1411)

18 1804 B HI (radio link)  
 HI

19 HS\_DSCH B RNC(1402)가 DRNC  
 SRNC가 DRNC (control frame) (control frame)

20 SRNC가 DRNC (control frame) (control frame) SRNC DRNC (control)  
 ol frame) (radio frame) (control frame) (header)

(frame type), (control frame) (data frame)  
 control frame CRC(Cyclic Redundancy Check)가 control frame CRC  
 4 가 7 SRNC가 DRNC

21 SRNC DRNC HS\_DSCH 가  
 HS\_DSCH CmCH-PI(Common Transport Channel Priorit  
 y Indicator, 4 bits) 21 , HS\_DSCH  
 가 2102 , 4  
 (2101) , HI

19 1901 SRNC(1404) DRNC(1402) 190  
 DRNC(1402) B(1405, 1406) 1903  
 B가 HI UE 1904 B  
 HI UE  
 B가 UE  
 SDT S  
 SSDT site selection diversity TPC(transmit power control) ,  
 (macro diversity) , SHO region UE  
 HI FBI (primary) , (primary) UE가  
 가 HI B (primary) 가 가

SRNC (primary)가 (non primary - 'non-primary' ) (primary)  
 가 5dB (primary) 5dB 3dB SRNC  
 (non-primary) 8dB HI 5dB HI  
 , SRNC (non-primary) (primary) (primar  
 y)

가 , UE HI HSDPA HI ,  
 UE HI 가

(57)

1.

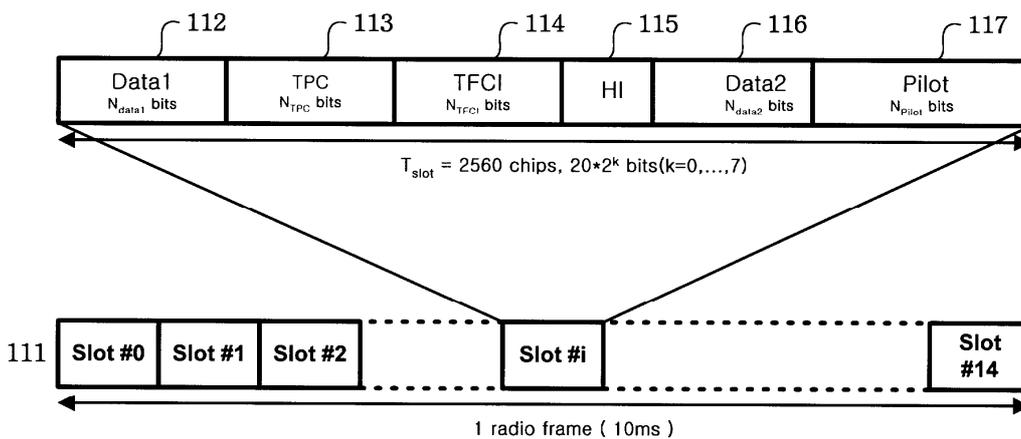
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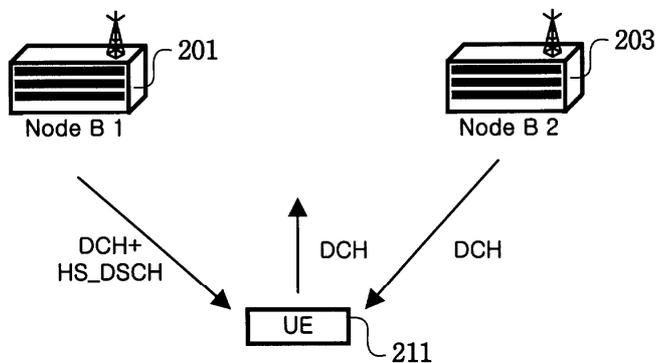
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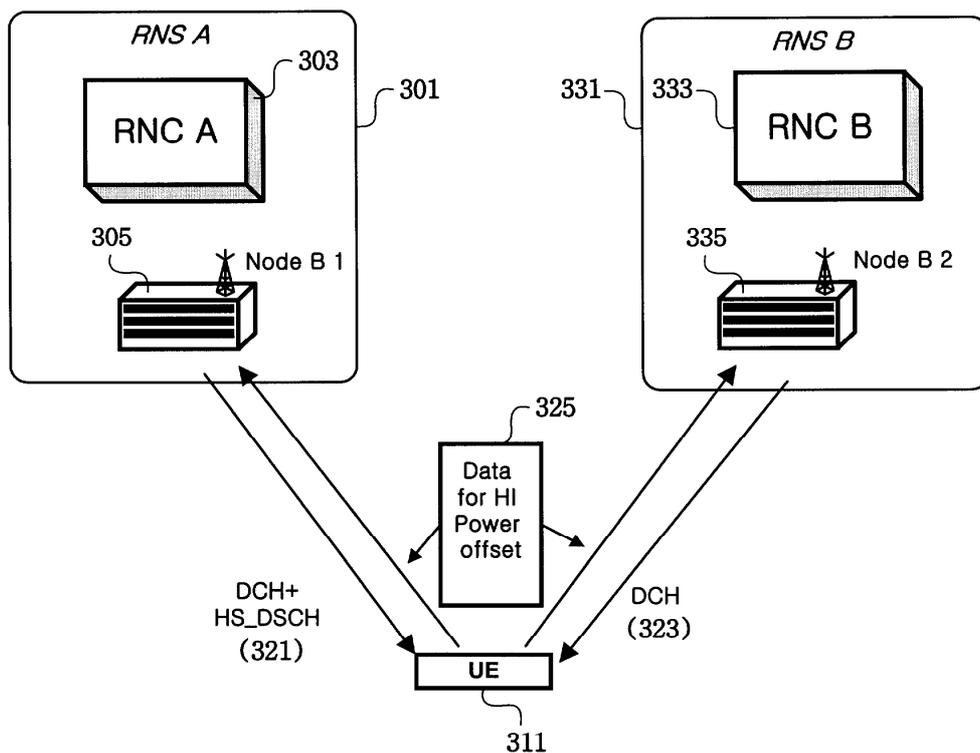
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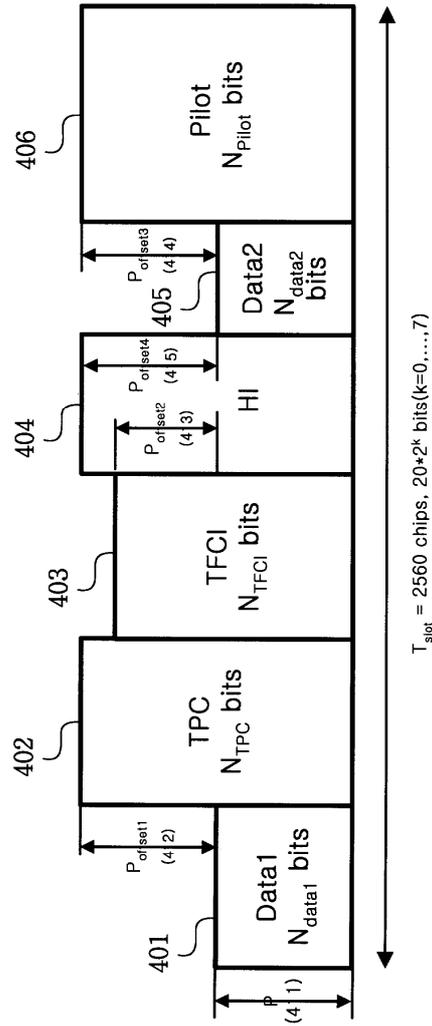
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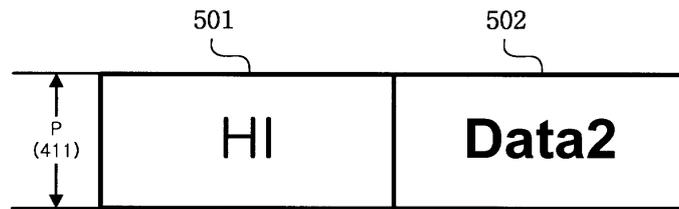
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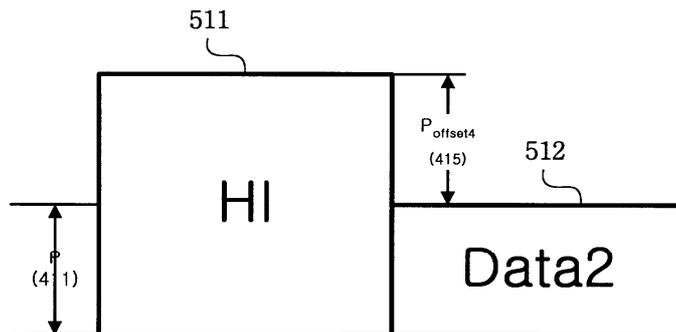
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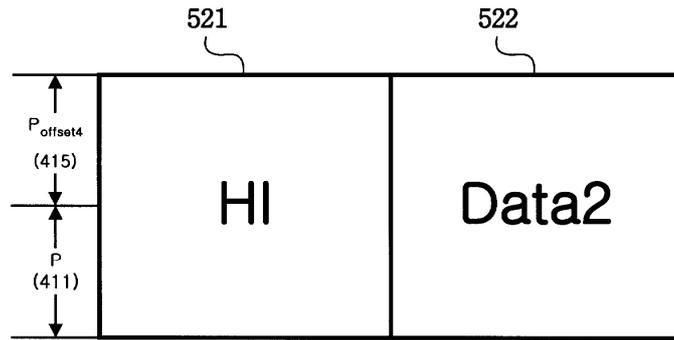
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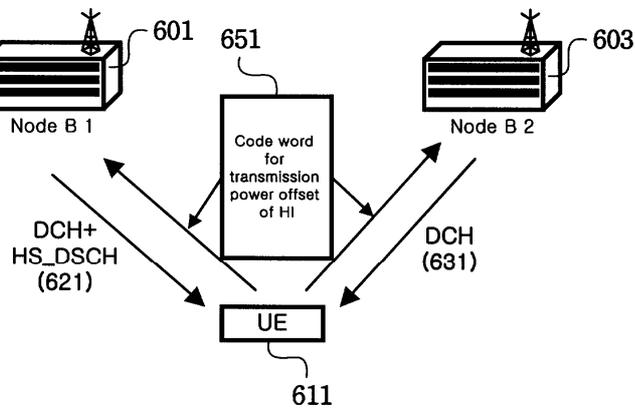
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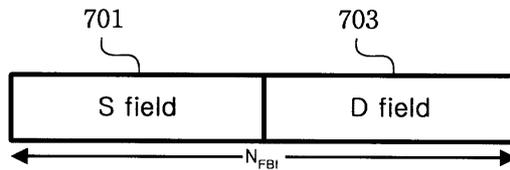
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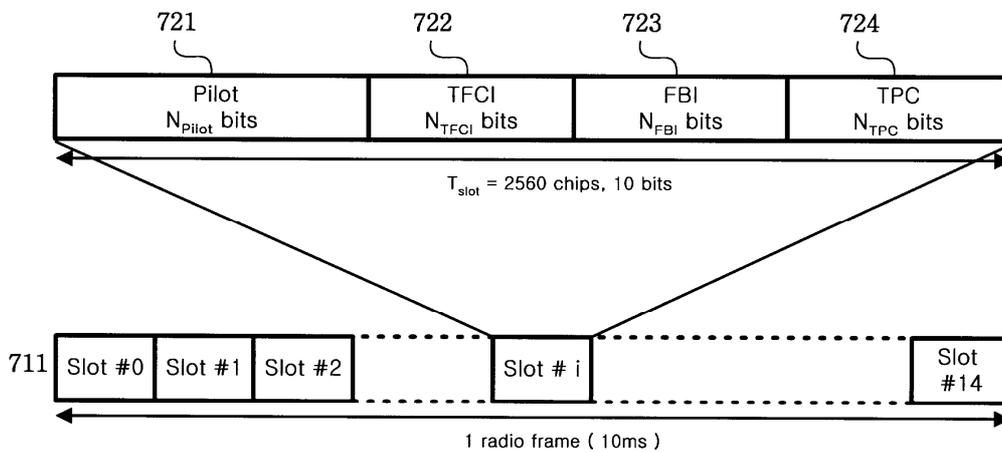
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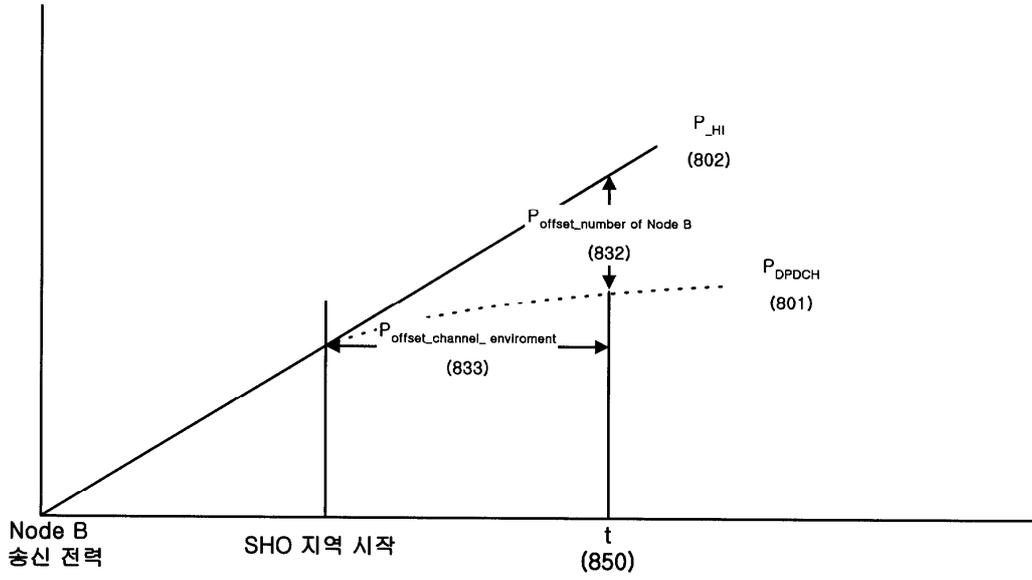
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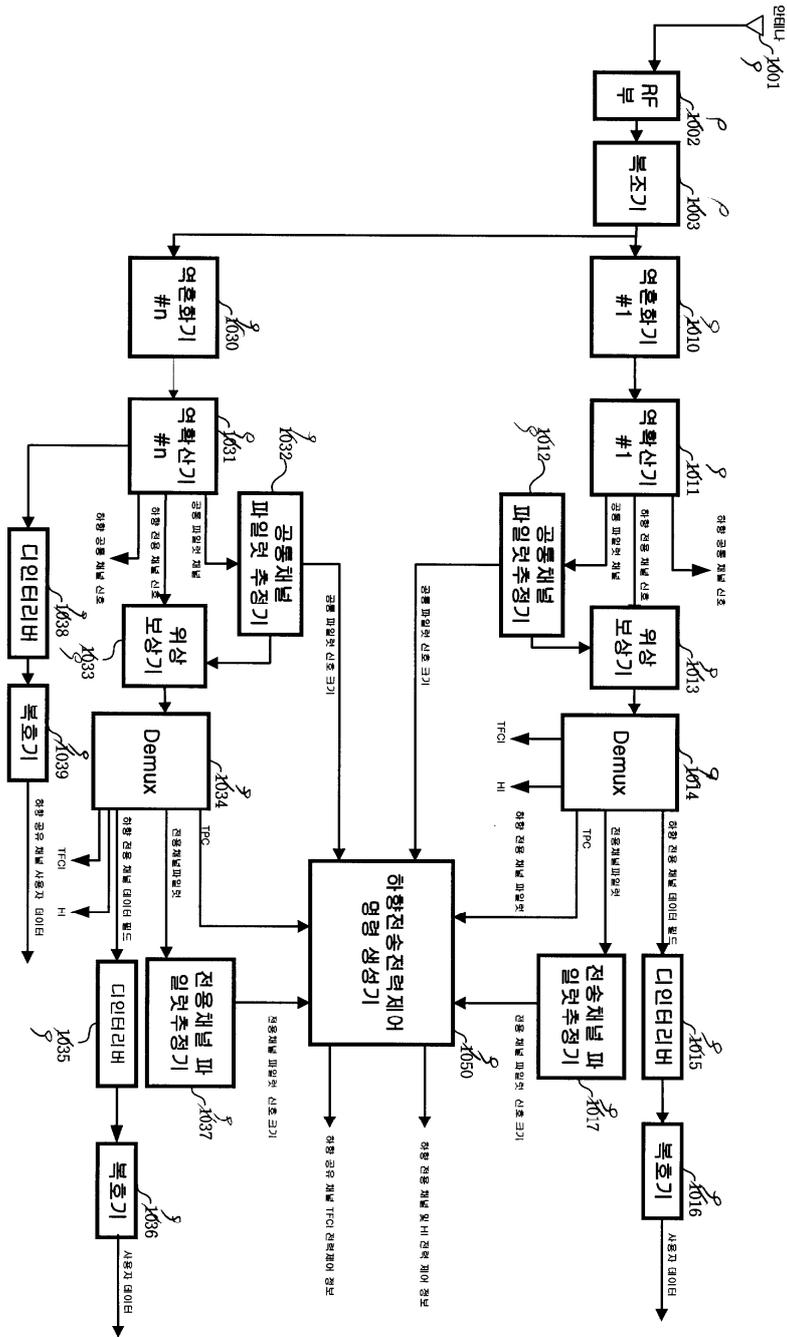


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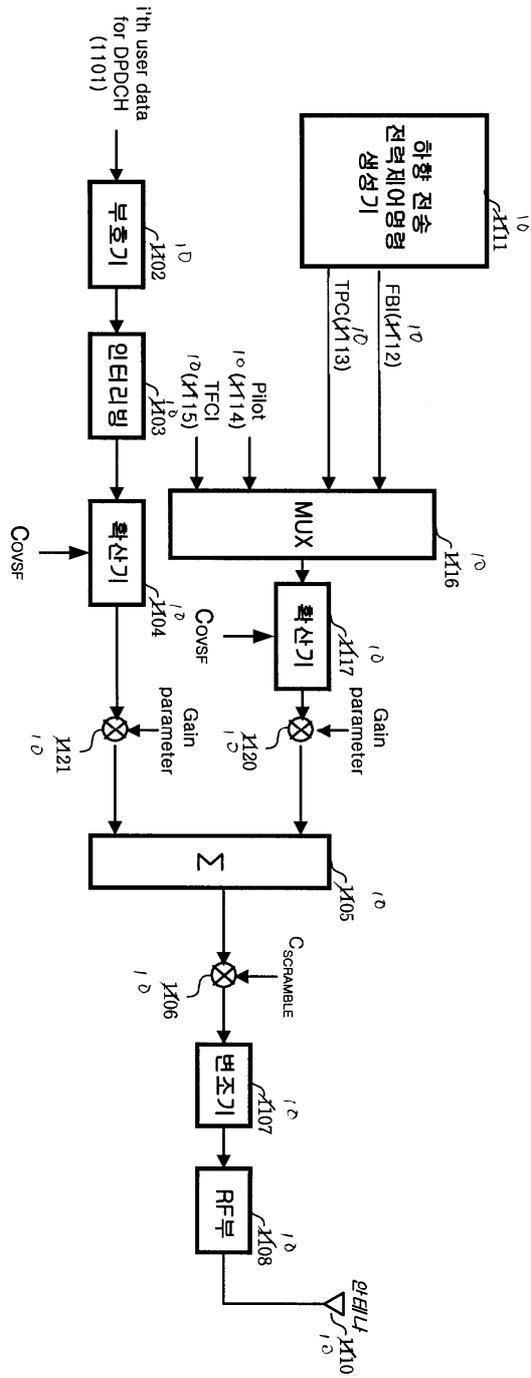


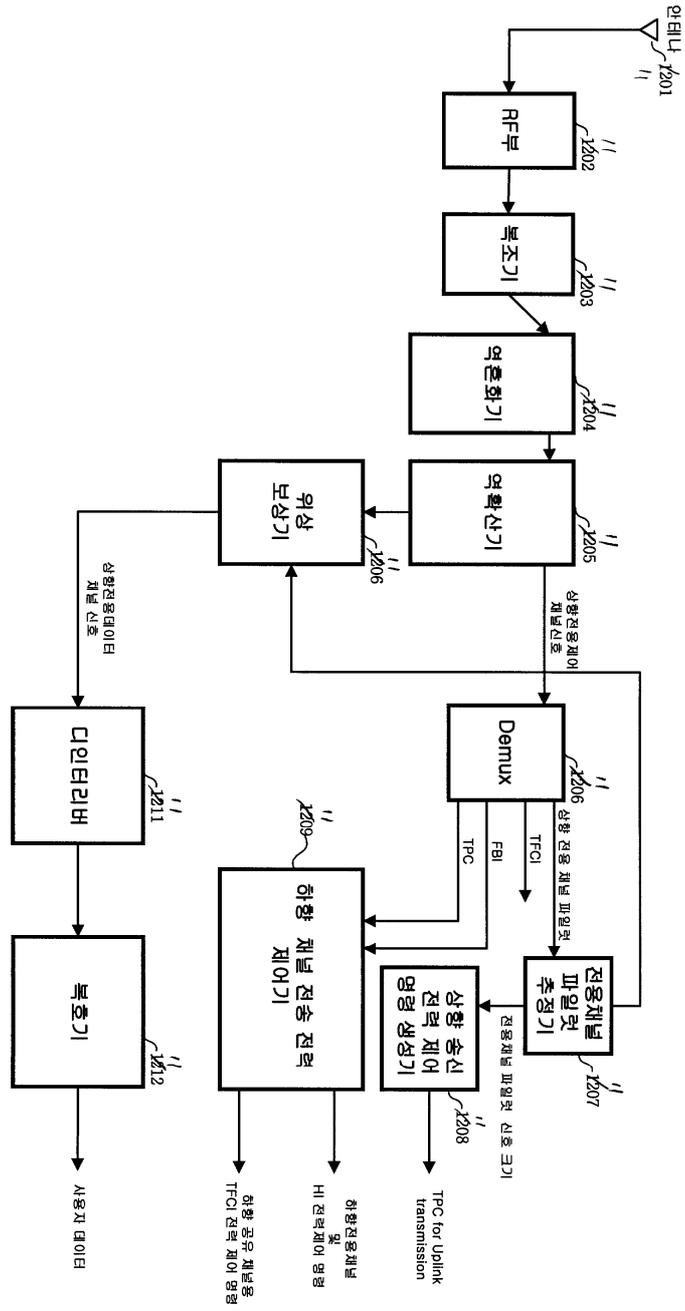
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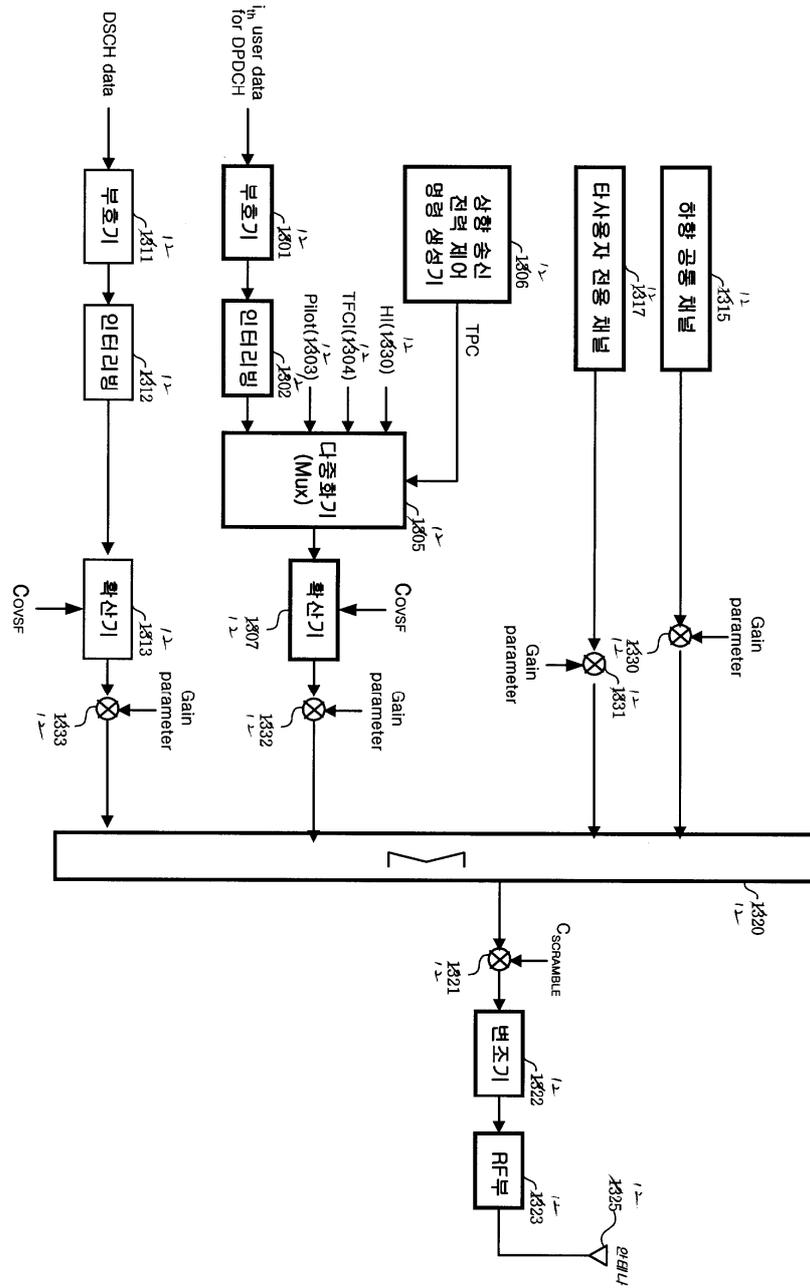




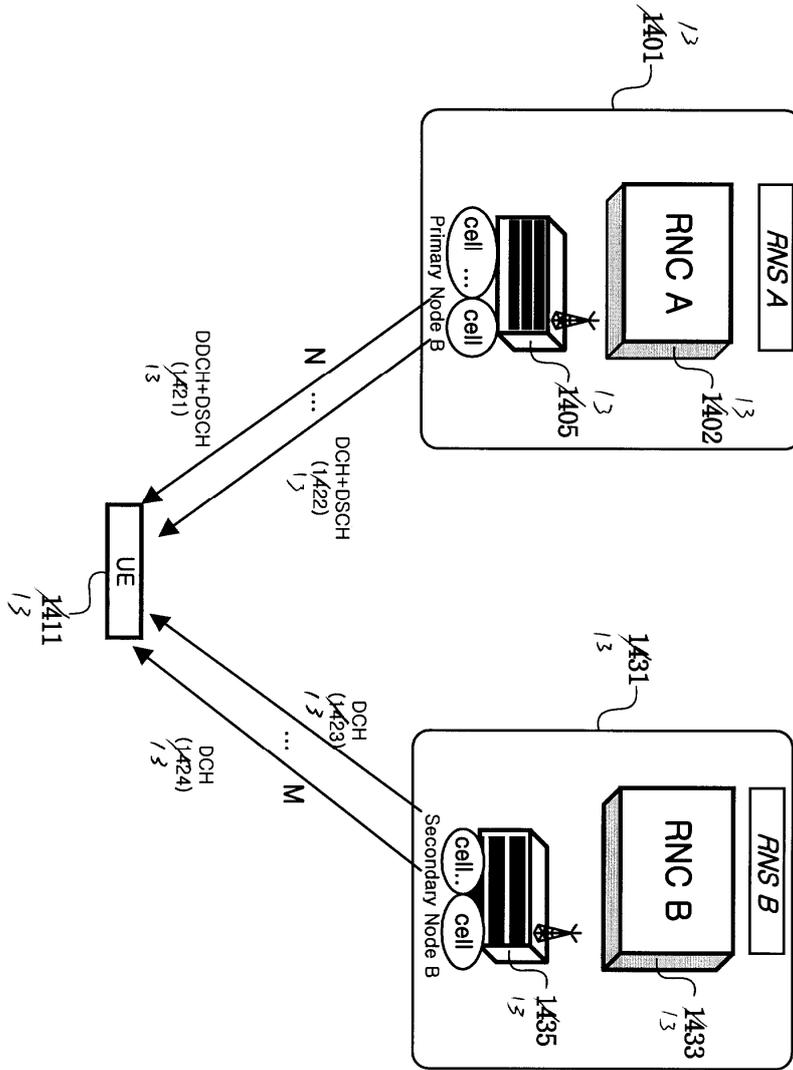
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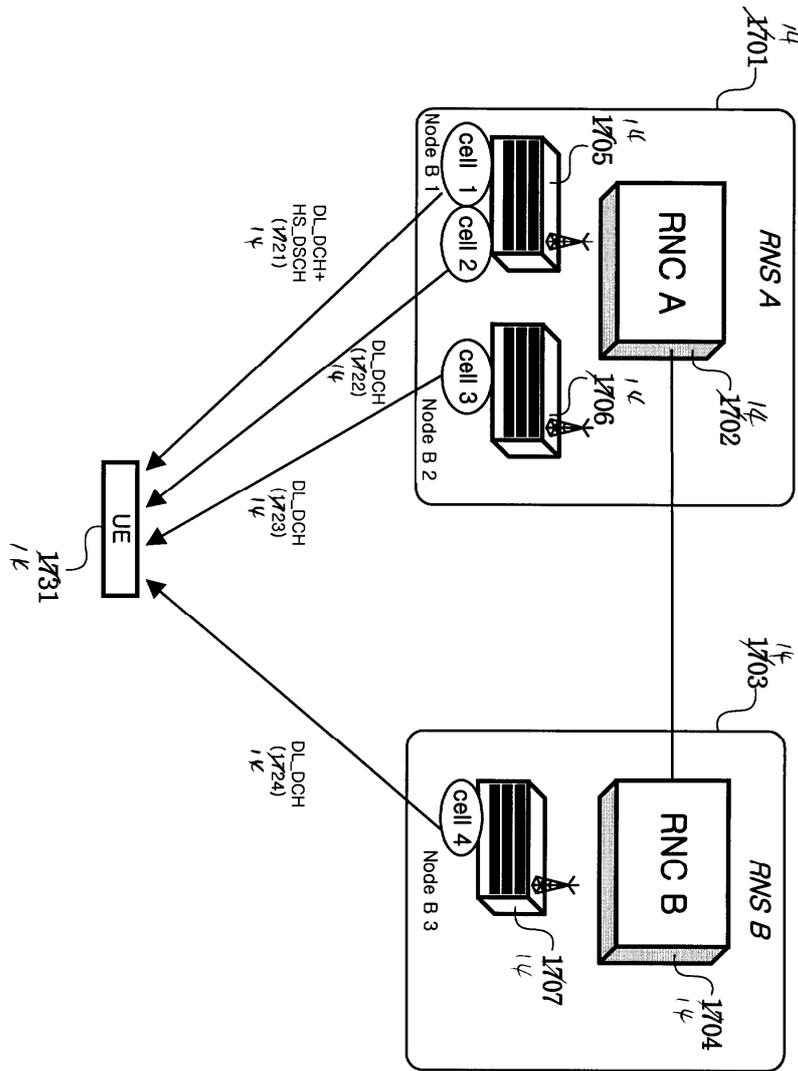




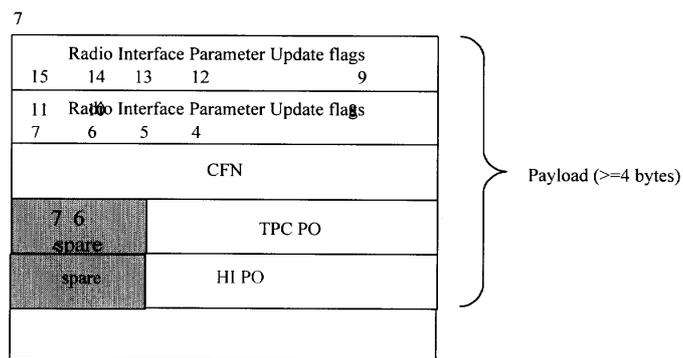
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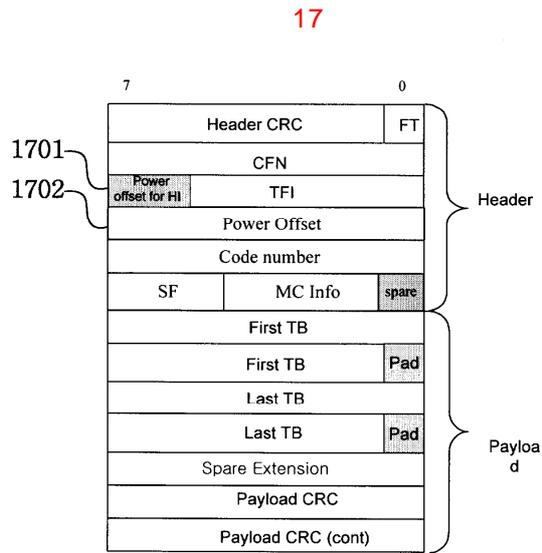
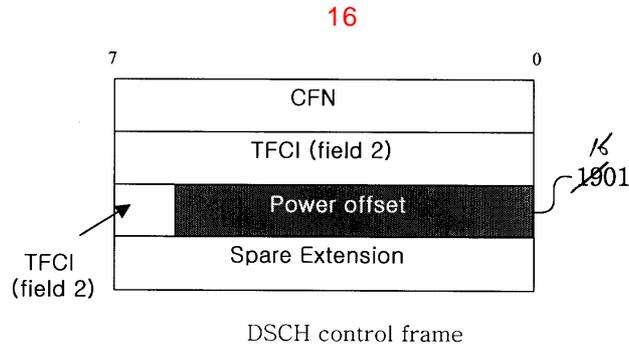


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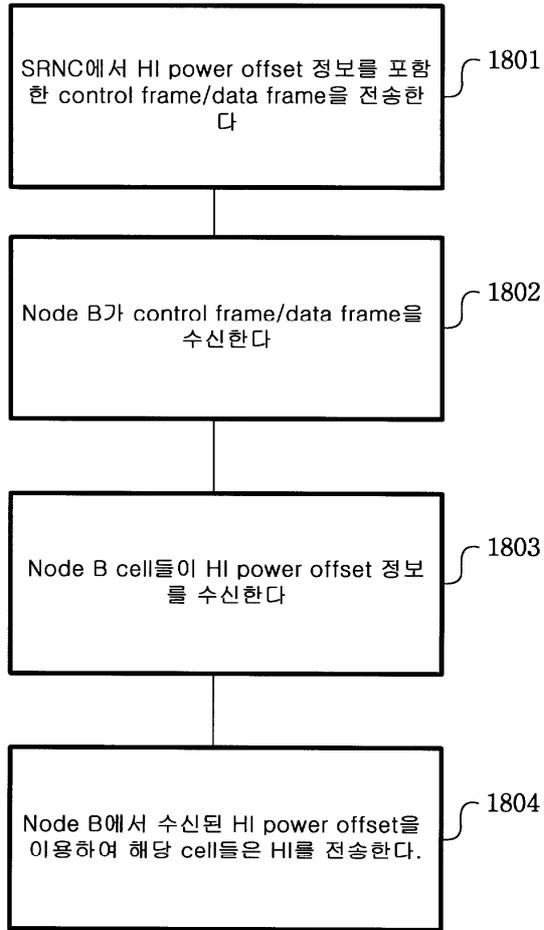


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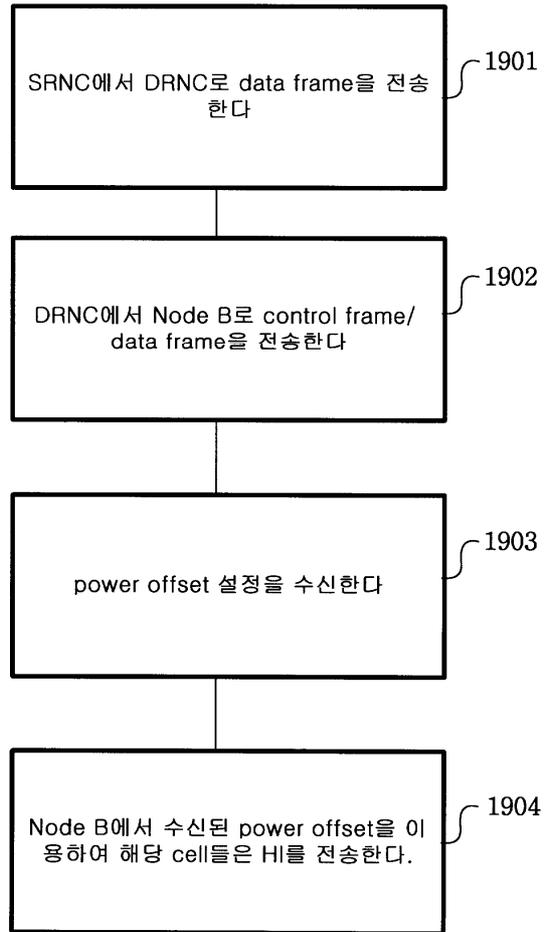




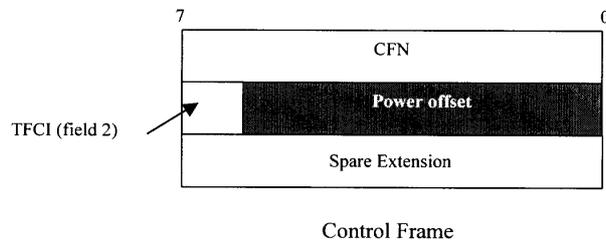
18



19



20



21

