

TSG-RAN Working Group meeting #7bis
Kyongju, Korea, 4 - 5, Oct. 1999

TSGR1(99)e47

Agenda Item :

Source : LG Information & Communications, Ltd.

Title : Text Proposal of 1 Pilot Symbol Pattern for Downlink DPCH

Document for : Decision

1. Introduction

At the last meeting in Hannover, some new slot structures in downlink DPCH were adopted to Table 10 (Section 5.3.2) [1] and $N_{\text{pilot}}=2$ (one pilot symbol) is included in these structures. However one pilot symbol pattern is not described in table 11 [1]. Thus this document proposes the pilot pattern using the shadowed part of $N_{\text{pilot}} = 4$ of table 11 since this pattern is optimized for frame synchronization confirmation [2] and through e-mail discussion there was no objection to use this pilot symbol pattern.

2. Required Modifications

<Text Changes for TS 25.211>

5.3.2 Dedicated downlink physical channels

Table 11 : Pilot Symbol Pattern

Symbol #	$N_{\text{pilot}}=2$	$N_{\text{pilot}}=4$		$N_{\text{pilot}}=8$				$N_{\text{pilot}}=16$							
	<u>0</u>	0	1	0	1	2	3	0	1	2	3	4	5	6	7
Slot # 10	<u>11</u>	11	11	11	11	11	10	11	11	11	10	11	11	11	10
21	<u>00</u>	11	00	11	00	11	10	11	00	11	10	11	11	11	00
32	<u>01</u>	11	01	11	01	11	01	11	01	11	01	11	10	11	00
43	<u>00</u>	11	00	11	00	11	00	11	00	11	00	11	01	11	10
54	<u>10</u>	11	10	11	10	11	01	11	10	11	01	11	11	11	11
65	<u>11</u>	11	11	11	11	11	10	11	11	11	10	11	01	11	01
76	<u>11</u>	11	11	11	11	11	00	11	11	11	00	11	10	11	11
87	<u>10</u>	11	10	11	10	11	00	11	10	11	00	11	10	11	00
98	<u>01</u>	11	01	11	01	11	10	11	01	11	10	11	00	11	11
109	<u>11</u>	11	11	11	11	11	11	11	11	11	11	11	00	11	11
1110	<u>01</u>	11	01	11	01	11	01	11	01	11	01	11	11	11	10
1211	<u>10</u>	11	10	11	10	11	11	11	10	11	11	11	00	11	10
1312	<u>10</u>	11	10	11	10	11	00	11	10	11	00	11	01	11	01
1413	<u>00</u>	11	00	11	00	11	11	11	00	11	11	11	00	11	00
1514	<u>00</u>	11	00	11	00	11	11	11	00	11	11	11	10	11	01

References

- [1] “UTRA FDD ; Physical channels and mapping of transport channels onto physical channels”, 3GPP TS25.211 v2.4.0 (1999-09), TSGR1#7(99)e17.
- [2] LGIC, “New Pilot Patterns for 15 Slots Considering Harmonization”, TSGR1#6(99)829.