Source: Texas Instruments

Title: Text proposal: STTD encoding for DTX

## 5.3.2.1 STTD for DPCH

Table 1: Pilot pattern of the DPCH channel for the diversity antenna using STTD.

	$N_{pilot} = 4$		$N_{\mathrm{pilot}} = 8$				$N_{\mathrm{pilot}} = 16$							
Symbol #	0	1	0	1	2	3	0	1	2	3	4	5	6	7
Slot #1	01	10	11	00	00	10	11	00	00	10	11	00	00	10
2	10	10	11	00	00	01	11	00	00	01	11	10	00	10
3	11	10	11	11	00	00	11	11	00	00	11	10	00	11
4	10	10	11	10	00	01	11	10	00	01	11	00	00	00
5	00	10	11	11	00	11	11	11	00	11	11	01	00	10
6	01	10	11	00	00	10	11	00	00	10	11	11	00	00
7	01	10	11	10	00	10	11	10	00	10	11	01	00	11
8	00	10	11	10	00	11	11	10	00	11	11	10	00	11
9	11	10	11	00	00	00	11	00	00	00	11	01	00	01
10	01	10	11	01	00	10	11	01	00	10	11	01	00	01
11	11	10	11	11	00	00	11	11	00	00	11	00	00	10
12	00	10	11	01	00	11	11	01	00	11	11	00	00	01
13	00	10	11	10	00	11	11	10	00	11	11	11	00	00
14	10	10	11	01	00	01	11	01	00	01	11	10	00	01
15	10	10	11	01	00	01	11	01	00	01	11	11	00	11

At call setup phase the UE is informed if Transmit diversity will be used on DPCH or not. If the base station allows diversity mode, the base station starts the transmission of dedicated physical channel(s) using open loop diversity mode by default. As soon as the reverse link transmission has started, the base station can command the UE to either use open loop diversity mode or feedback mode by using higher level signalling. During hand over between cells and sectors open loop antenna diversity is used on dedicated physical channels.