

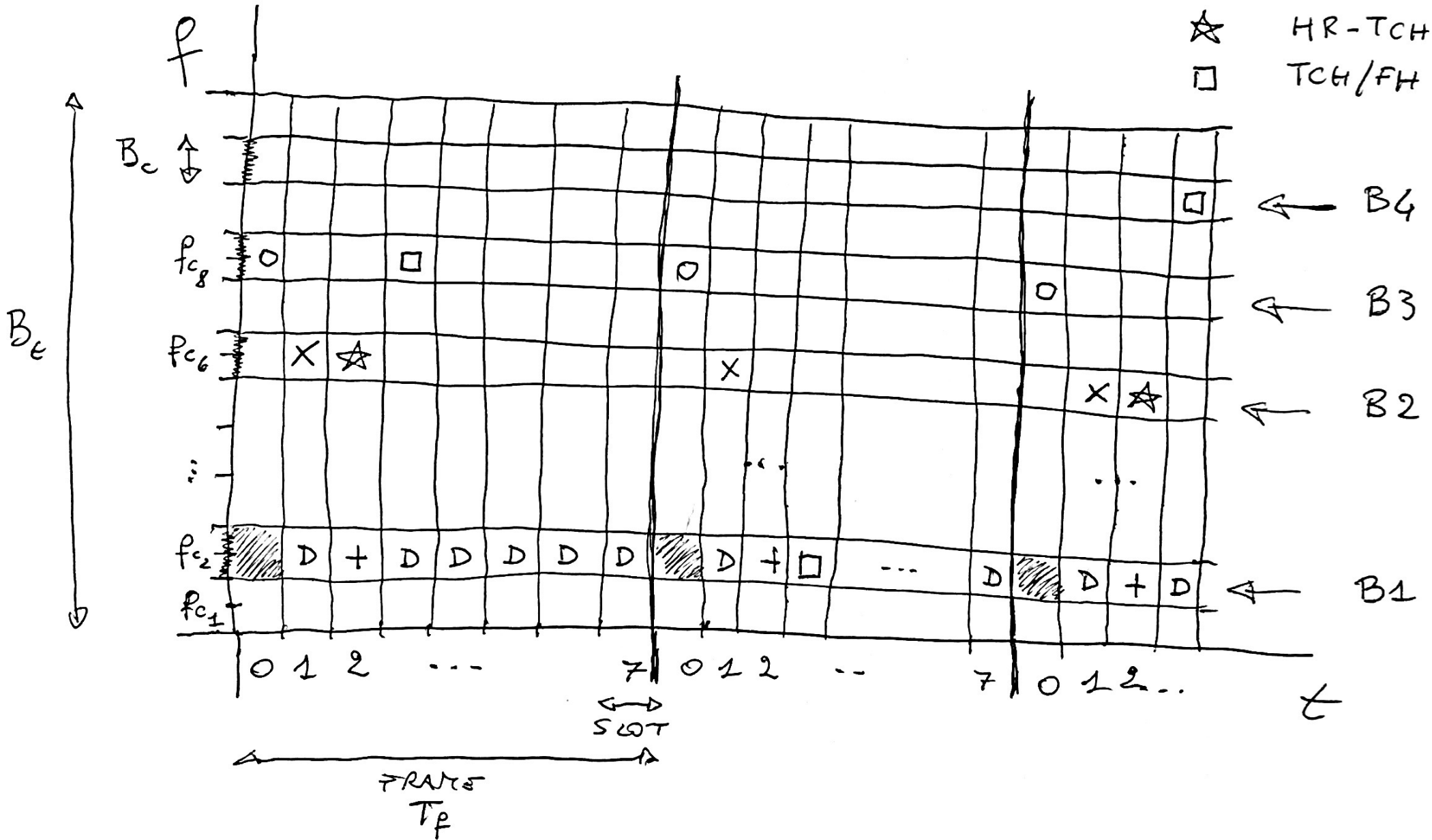
GSM

DOWNLINK

$$B_c = 200 \text{ KHz}$$

$$T_f \sim 4.6 \text{ ms}$$

- D dummy
- ▨ BCCH
- O } FR-TCH
- X }
- + }
- ☆ HR-TCH
- TCH/FH



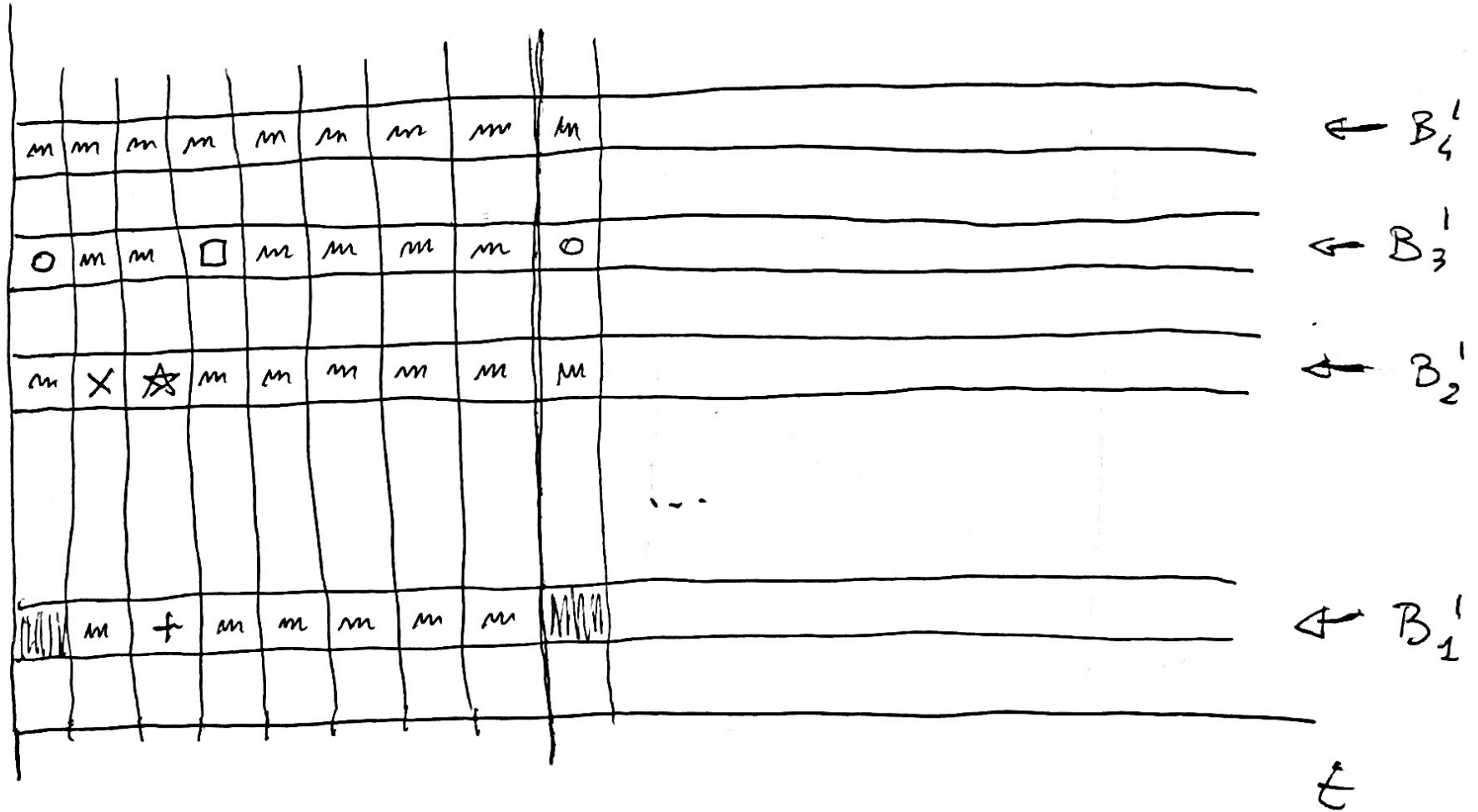
GSST

MEASUREMENTS - UPLINK

 RACH

m measurement.

f



SHIFTED BY THREE SLOTS

GSM

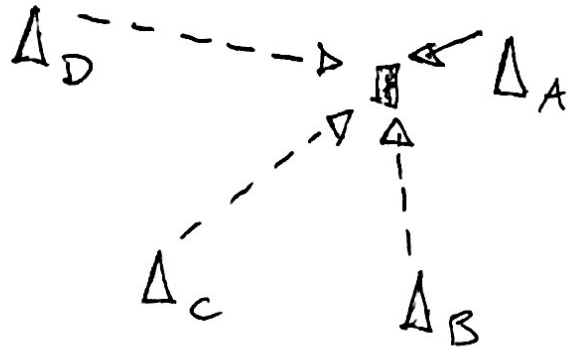
MEASUREMENTS — UPLINK — CONNECTED MODE



- RxLEV-UL
6 bits \rightarrow 64 levels $\Delta = 1 \text{ dB}$
(0 = 63 = HIGH)
- RxQUAL-UL
3 bits \rightarrow 8 levels
(0 = 7 = BAD)
- TA
6 bits \rightarrow 64 levels $\Delta \sim 450 \text{ m}$

GSM

MEASUREMENTS - DOWNLINK - IDLE MODE



- $RxLEV_SERVING$
6 bits \rightarrow 64 levels $\Delta = 1dB$
(0 \div 63 \equiv HIGH)
- $RxLEV_NEIGHBOURS - J$ $J = 1 \dots 6$
6 bits \rightarrow 64 levels $\Delta = 1dB$
(0 \div 63 \equiv HIGH)

- CONNECTED MODE

- $RxLEV_SERVING$
- $RxLEV_NEIGHBOURS - J$ $J = 1 \dots 6$
- $RxQUAL_PL$
3 bits \rightarrow 8 levels
(0 \div 7 \equiv BAD)

OSM

MEASUREMENT REPORTS TO BSC

Every 180 ms =

- RxLEV = SEARCHING
- RxLEV = HOLDING
- RxQUAL = DL
- RxLEV = UL
- RxQUAL = UL
- TA

