

图 1

$$P = \begin{bmatrix} 1 & -1 & 1 & 1 \\ 1 & 1 & -1 & 1 \\ 1 & 1 & 1 & -1 \\ -1 & 1 & 1 & 1 \end{bmatrix}$$

一组LTF

	一组LTF			
天线1:	LTF	-LTF	LTF	LTF
天线2:	LTF	LTF	-LTF	LTF
天线3:	LTF	LTF	LTF	-LTF
天线4:	-LTF	LTF	LTF	LTF

图 2

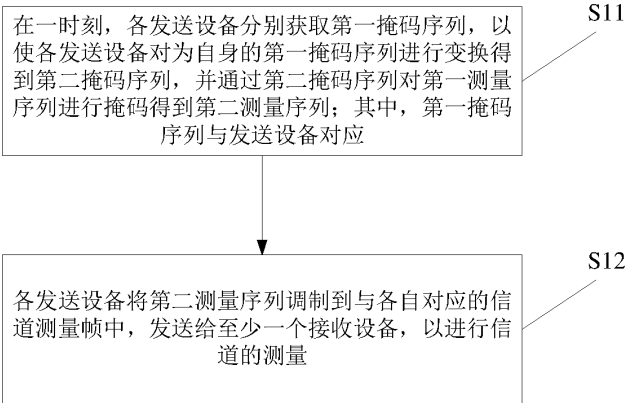


图 3

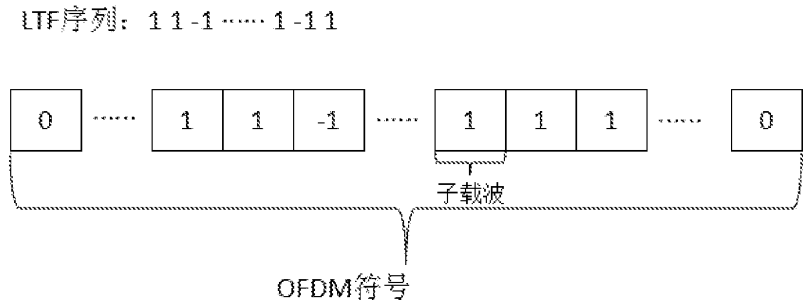


图 4

$$\begin{aligned} AP_1 : CB_1 &= \begin{bmatrix} 1 & -1 & \cdots & 1 & 1 \end{bmatrix} \\ AP_2 : CB_2 &= \begin{bmatrix} 1 & 1 & \cdots & -1 & 1 \end{bmatrix} \\ &\vdots \\ AP_i : CB_i &= \begin{bmatrix} 1 & 1 & \cdots & 1 & -1 \end{bmatrix} \end{aligned}$$

图 5

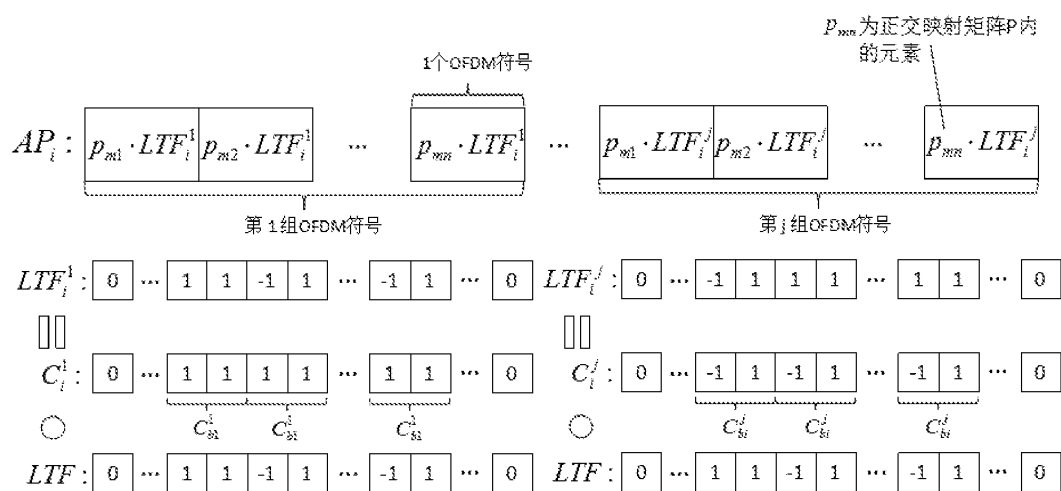


图 6

$$AP_1 : CB_1 = \left[\underbrace{1 \quad -1 \quad 1 \quad 1}_{C_{b_1}^1} \right]$$

图 7

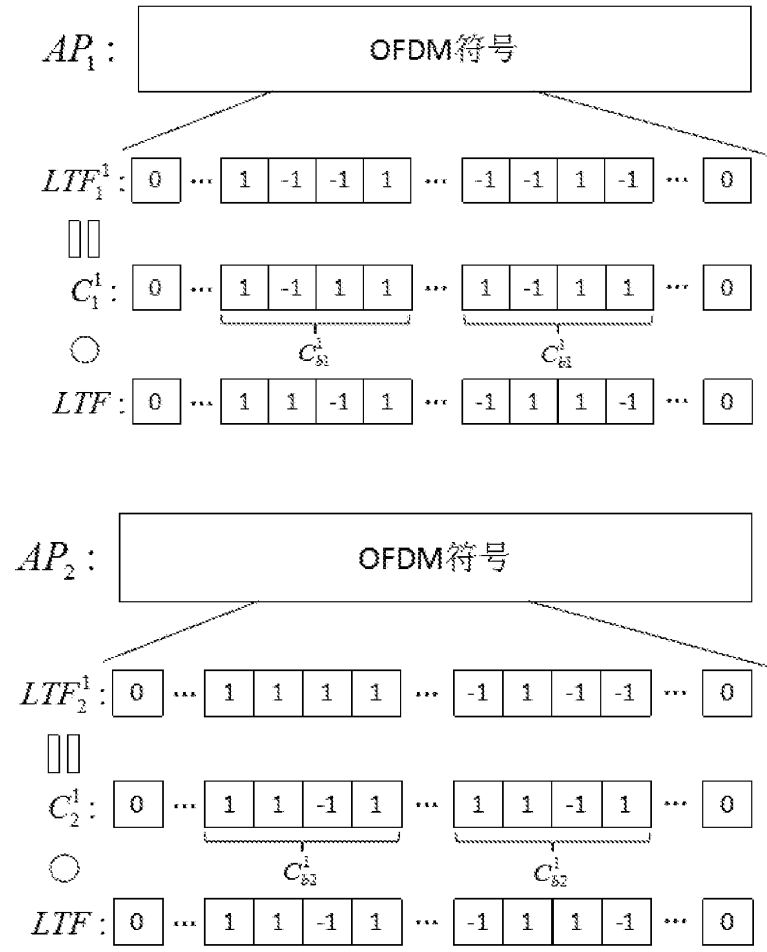


图 8

$$AP_1 : CB_1 = \begin{bmatrix} \underbrace{1 \ -1}_{C_{b1}^1} & \underbrace{1 \ 1}_{C_{b1}^2} \end{bmatrix}$$

$$AP_2 : CB_2 = \begin{bmatrix} \underbrace{1 \ 1}_{C_{b2}^1} & \underbrace{-1 \ 1}_{C_{b2}^2} \end{bmatrix}$$

图 9

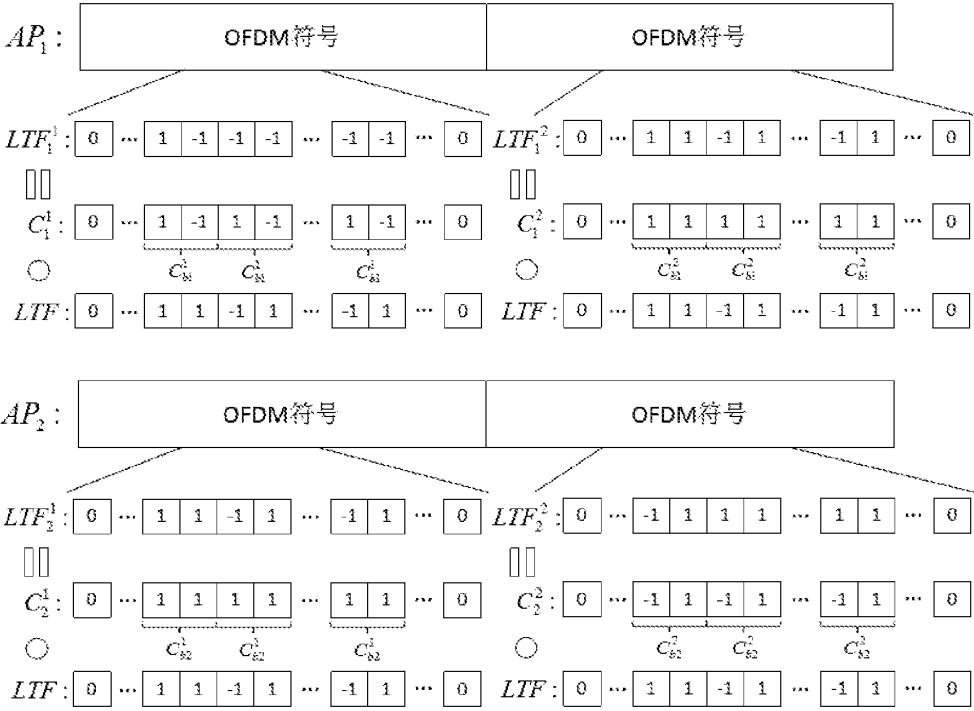


图 10

接收设备采用第一掩码序列对第三测量序列进行内积，并将内积值进行扩展，得到与之对应的发送设备之间的信道测量结果，生成反馈帧并反馈给发送设备

S20

图 11

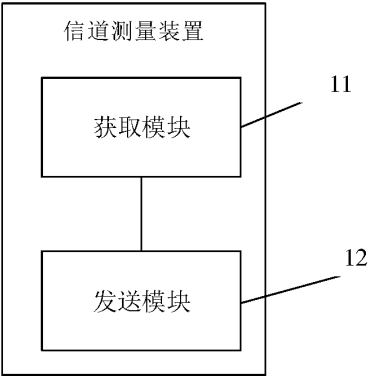


图 12

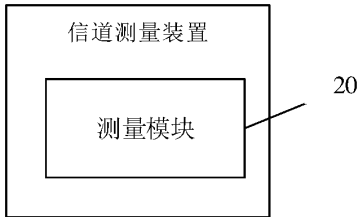


图 13