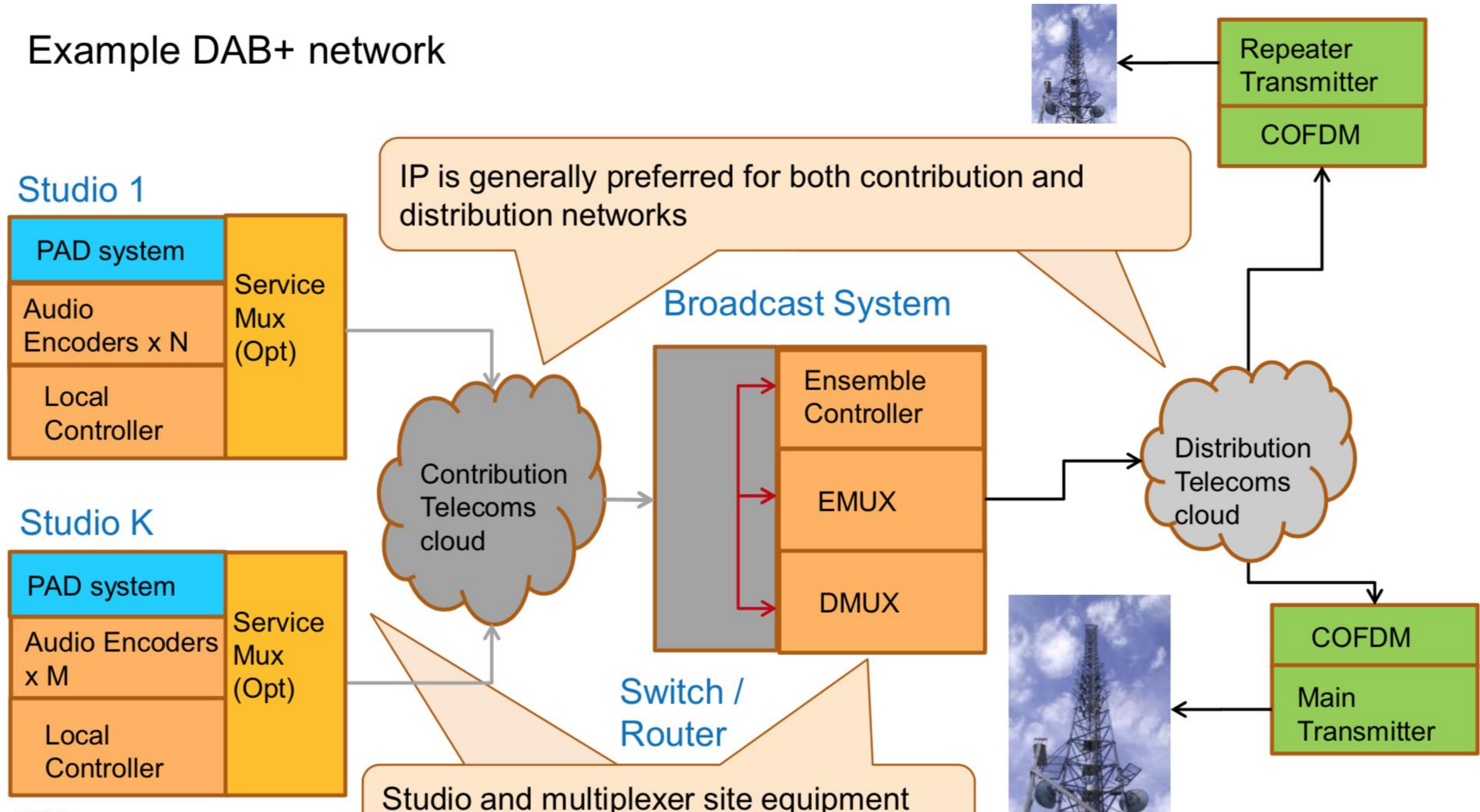




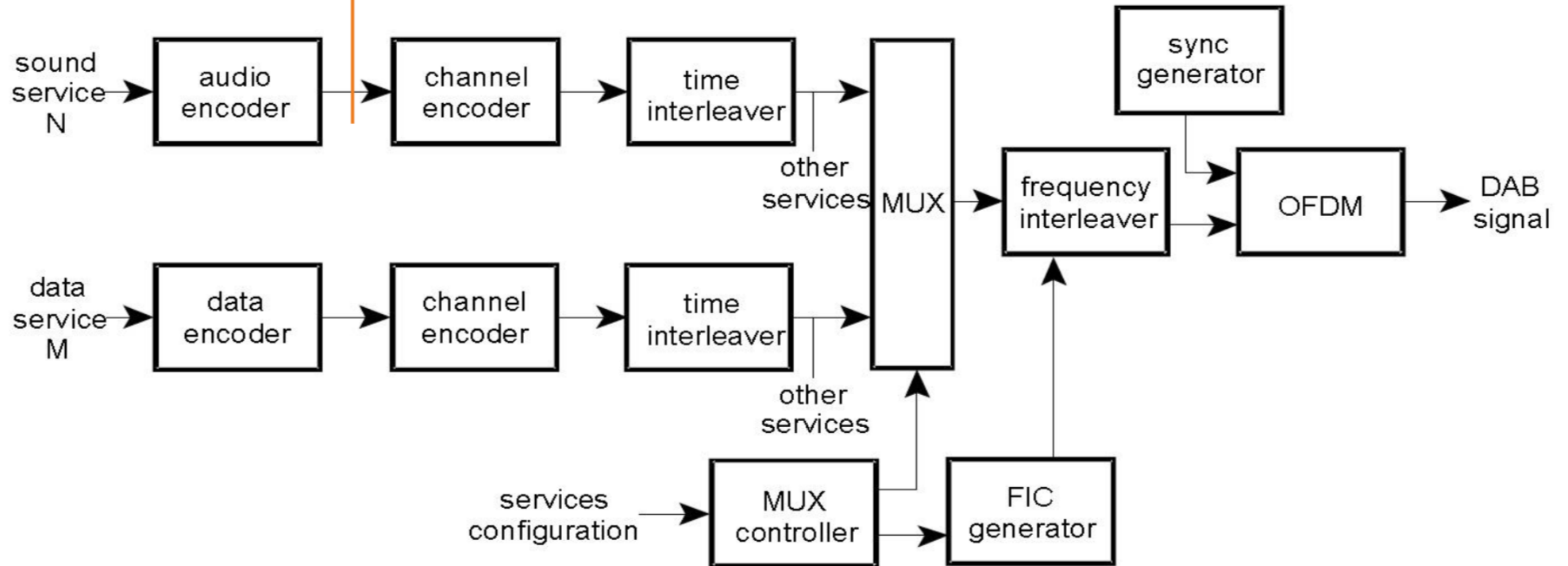
DAB- System and Networks

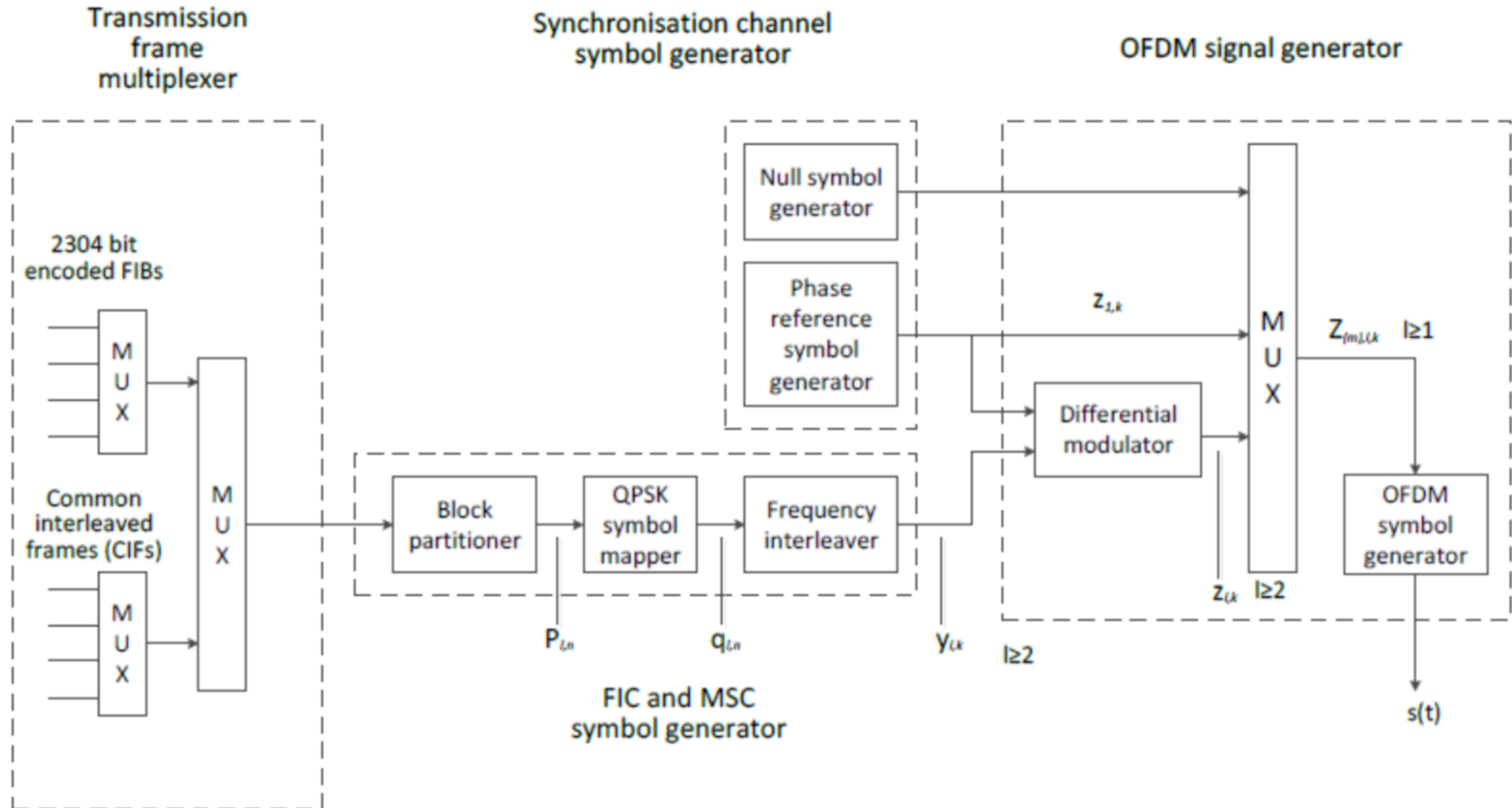
Example DAB+ network





DAB+ Outer layer FEC coding and interleaving here





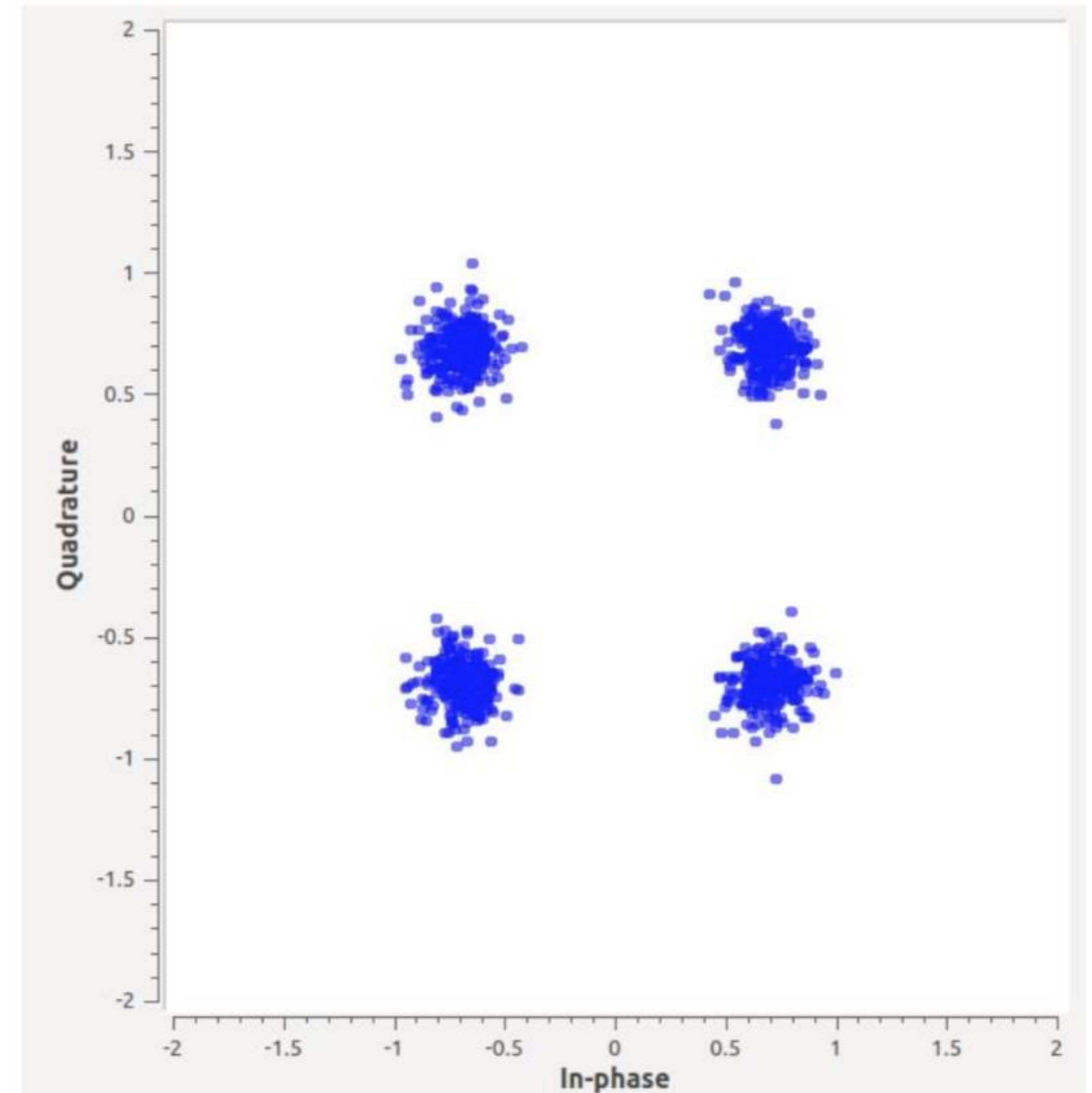
- DQPSK
 - Robust modulation for mobile channels
- Standard definition

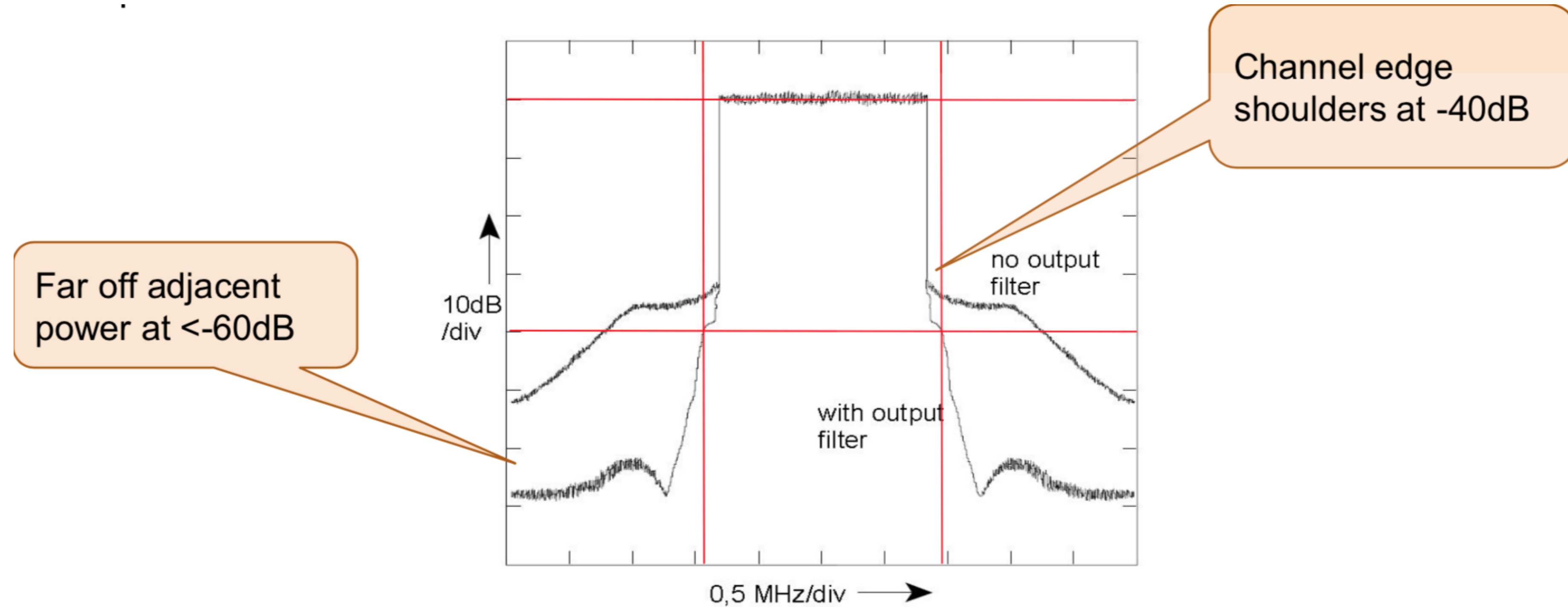
$$z_{l,k} = z_{l-1,k} \cdot y_{l,k}$$

$$\text{for } l = 2, 3, 4, \dots, L$$

$$\text{and } -\frac{K}{2} \leq k \leq \frac{K}{2}$$

- Detection is based on phase difference detection between the current and previous received symbol
 - $\hat{d}_k = r_k r_{k-1}^*$





Signal bandwidth = 1536 carriers at 1kHz each => 1.535MHz

Channel bandwidth = 1.712 MHz



www.dbbroadcast.com



www.screen.it