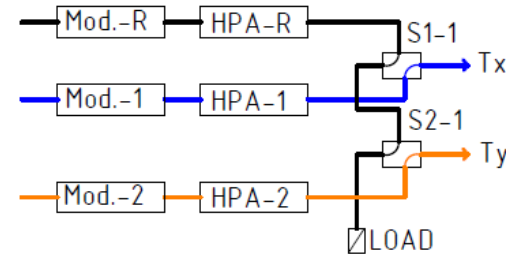


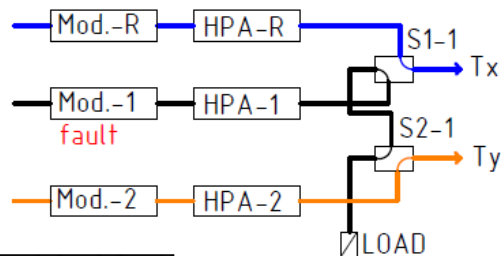
## 2:1 redundant configuration

- HPA-R (Redundant)
- Mod. = Modulator
- 2 waveguide switches
  - S1-1 for RF-Inhibit HPA-R and HPA-1 (RF-OFF)
  - S2-1 for RF-Inhibit HPA-R and HPA-2 (RF-OFF)

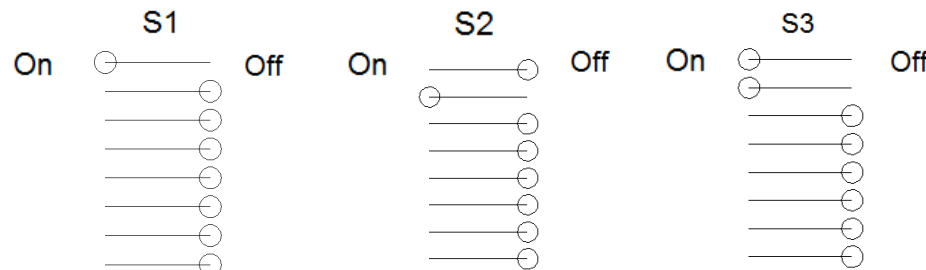
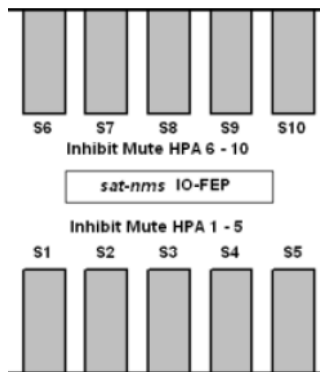
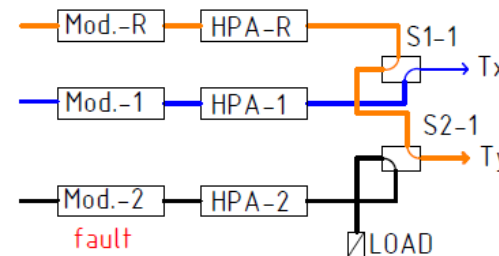
- HPA-1 for Tx
- HPA-2 for Ty



- fault indication Mod.-1 --> S1 switched
- HPA-R On Air Tx instead of HPA-1



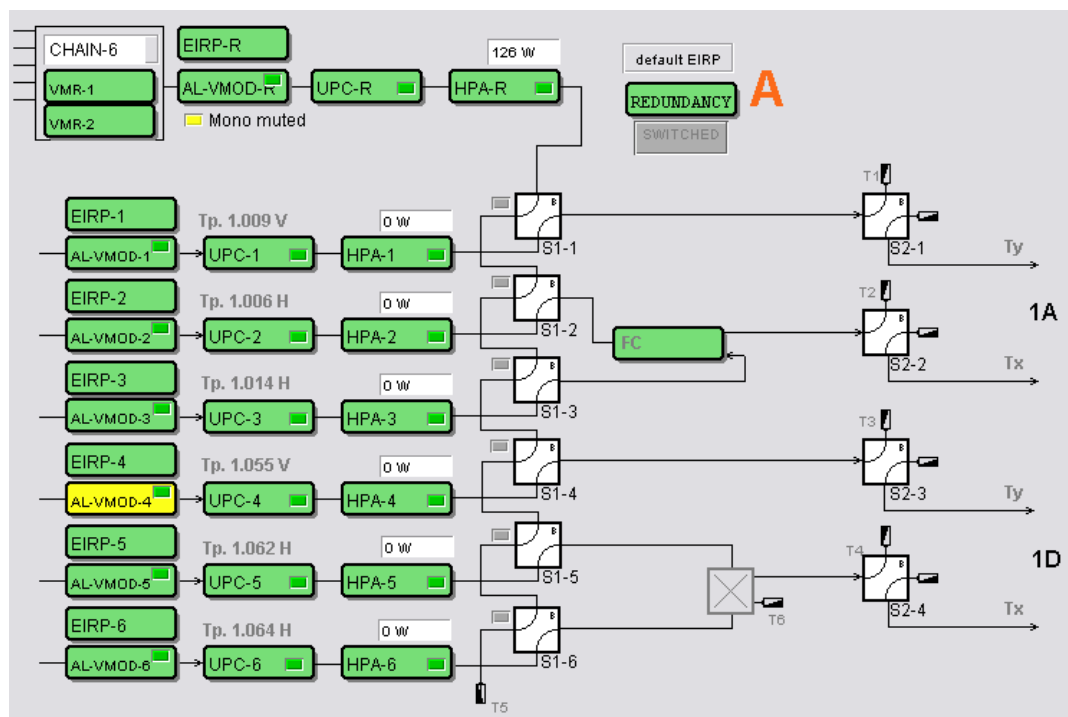
- fault indication Mod.-2 --> S2 switched
- HPA-R On Air Ty instead of HPA-2



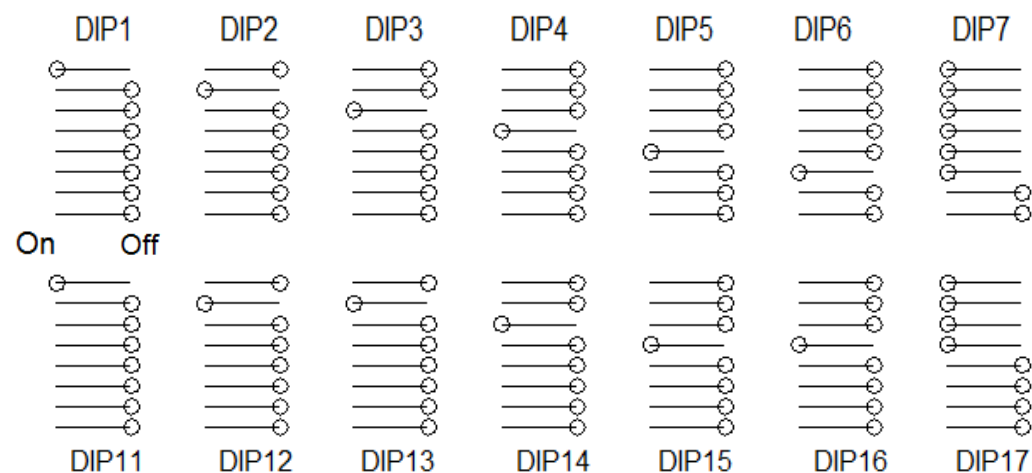
- HPA-1 mutes, when S1-1 switches
- configure DIP1 switch1 into „On“ position
- HPA-2 mutes, when S2-1 switches
- configure DIP2 switch2 into „On“ position
- HPA-R mutes, when S1-1 and S2-1 switch
- configure DIP3 switch1 into „On“ position
- configure DIP3 switch2 into „On“ position

# 6:1 redundant configuration

for this configuration you need an IO-FEP-E



- HPA-1 mutes, when S1-1/S2-1 switch configure DIP1/DIP11 switch 1 into „On“ position
- HPA-2 mutes, when S1-2/S2-2 switch configure DIP2/DIP12 switch 2 into „On“ position
- HPA-3 mutes, when S1-3/S2-2 switch configure DIP3 switch 3 into „On“ position configure DIP13 switch 2 into „On“ position
- HPA-4 mutes, when S1-4/S2-3 switch configure DIP4 switch 4 into „On“ position configure DIP14 switch 3 into „On“ position
- HPA-5 mutes, when S1-5/S2-4 switch configure DIP5 switch 5 into „On“ position configure DIP15 switch 4 into „On“ position
- HPA-6 mutes, when S1-6/S2-4 switch configure DIP6 switch 6 into „On“ position configure DIP16 switch 4 into „On“ position
- HPA-R mutes, when S1-1, -2, -3, -4, -5, -6/ S2-1, -2, -3, -4 switch configure DIP7 switch 1, 2, 3, 4, 5, 6 into „On“ position configure DIP17 switch 1, 2, 3, 4 into „On“ position



- **DIP1** represents HPA1
- **DIP2** represents HPA2 an so on
- **DIP11** represents HPA1
- **DIP12** represents HPA2 an so on