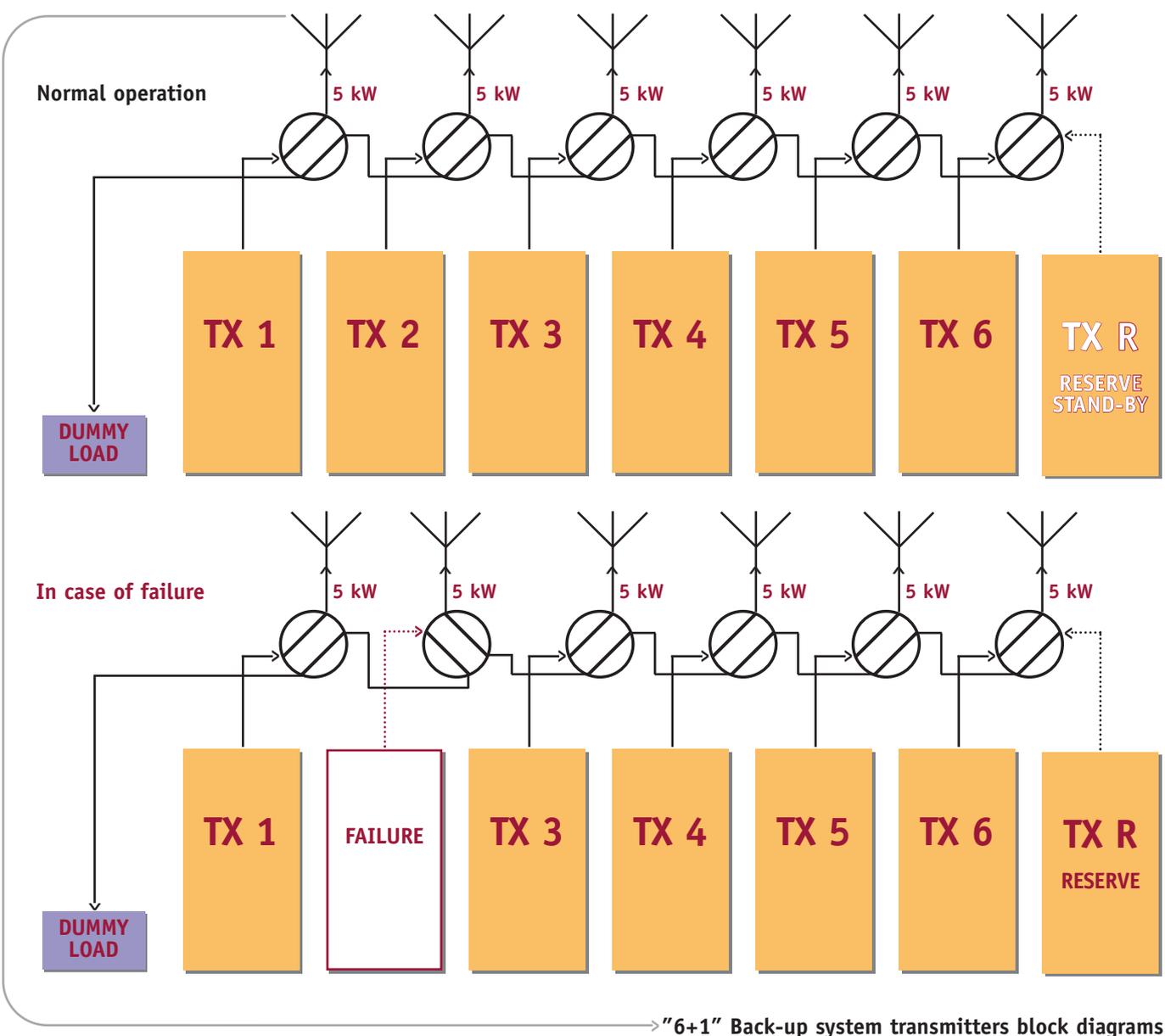


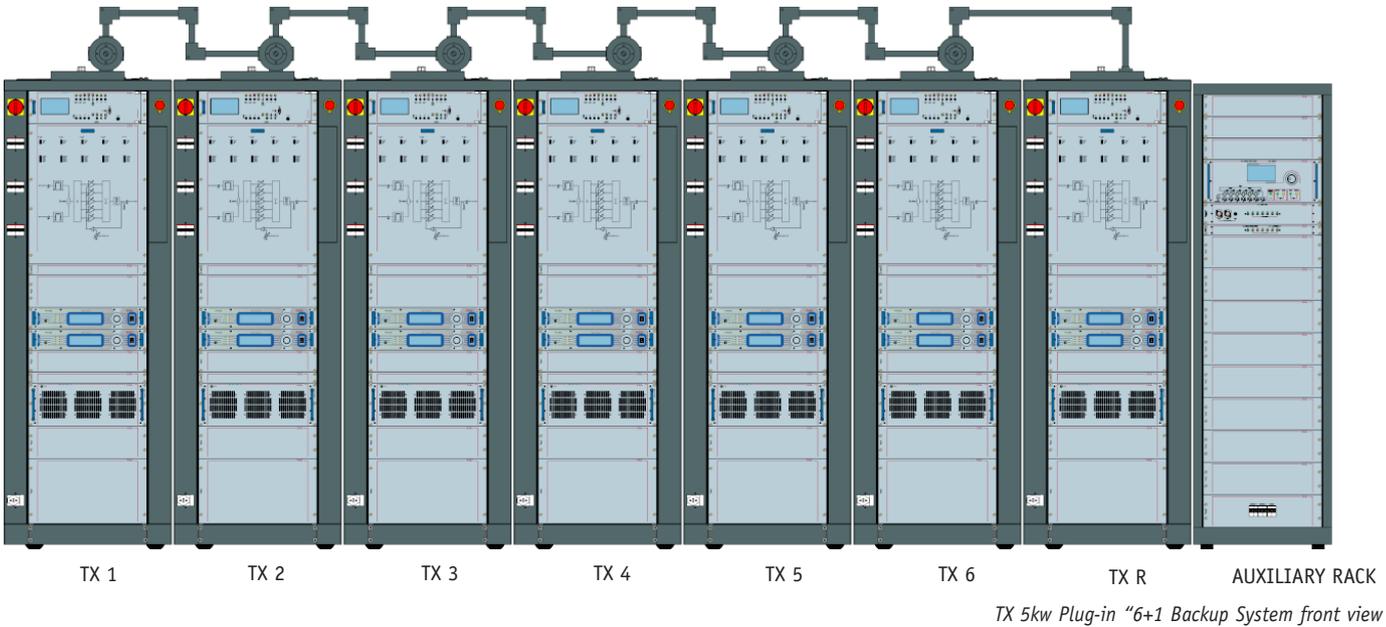
> "6+1" Active system transmitters



This system is composed of "N" transmitters connected to the antenna and 1 transmitter used as back-up unit that is connected to the dummy load.

In case one of the "N" transmitters fails **it is immediately replaced with the back-up unit** and the faulty unit is switched to the dummy load.

> "6+1" Active system transmitters



The basic operations in a N+1 back-up system is identical to the 1+1 system plus those functions that are typical of this system:

- the power alarm is detected
- it activates both Interlocks on the faulty transmitter and on the backup unit
- it controls the coaxial relay transferring the faulty TX on the dummy load and the back-up TX on the antenna
- it sets the same frequency of the faulty transmitter on the back-up unit
- it switches the audio matrix from the faulty transmitter to the back-up unit

- it switches the RDS matrix
- it switches the interlock matrix in order to release the interlock of the load on the TX connected to the load and the interlock of the combiner on the back-up unit
- it turns on the back-up unit

Other functions are:

- Local/Remote
- Normal/Automatic
- parameter management
- timing management
- interface among the telemetry systems