

### 3+2 error code diagnostic

- The 3+2 flashes error code is not always a symptom of ELT permanent failure.
  - To confirm the failure, connect a 50 Ohms load (or a radio bench) to the BNC output of the ELT and repeat the self-test.



- 3+2 error code with a 50 Ohms load connected : fault confirmed
- No error code with a 50 Ohms load connected : fault was temporary

#### → Possible causes of permanent fault:

- Transmission without antenna connected: NEVER perform a self-test with no load attached to the BNC connector (antenna, dummy load or radio bench)
- ESD: ensure that your antenna is properly grounded

#### → Possible causes of temporary fault:

- Kannad ELTs are sensitive to VSWR : reflected wave from the antenna can perturb the self-test power measurement thus producing a 3+2 error code.
  - This is particularly true when a cowl door is open near the antenna or if any other metal part is close to the antenna, causing reflections
  - The length of the coaxial cable can also influence the reflected wave. Increasing the length of the coaxial cable by a few centimeters may solve the temporary fault.

#### Possible causes of reflections

Cowl door open beside antenna



Antenna close to the dorsal fin

