

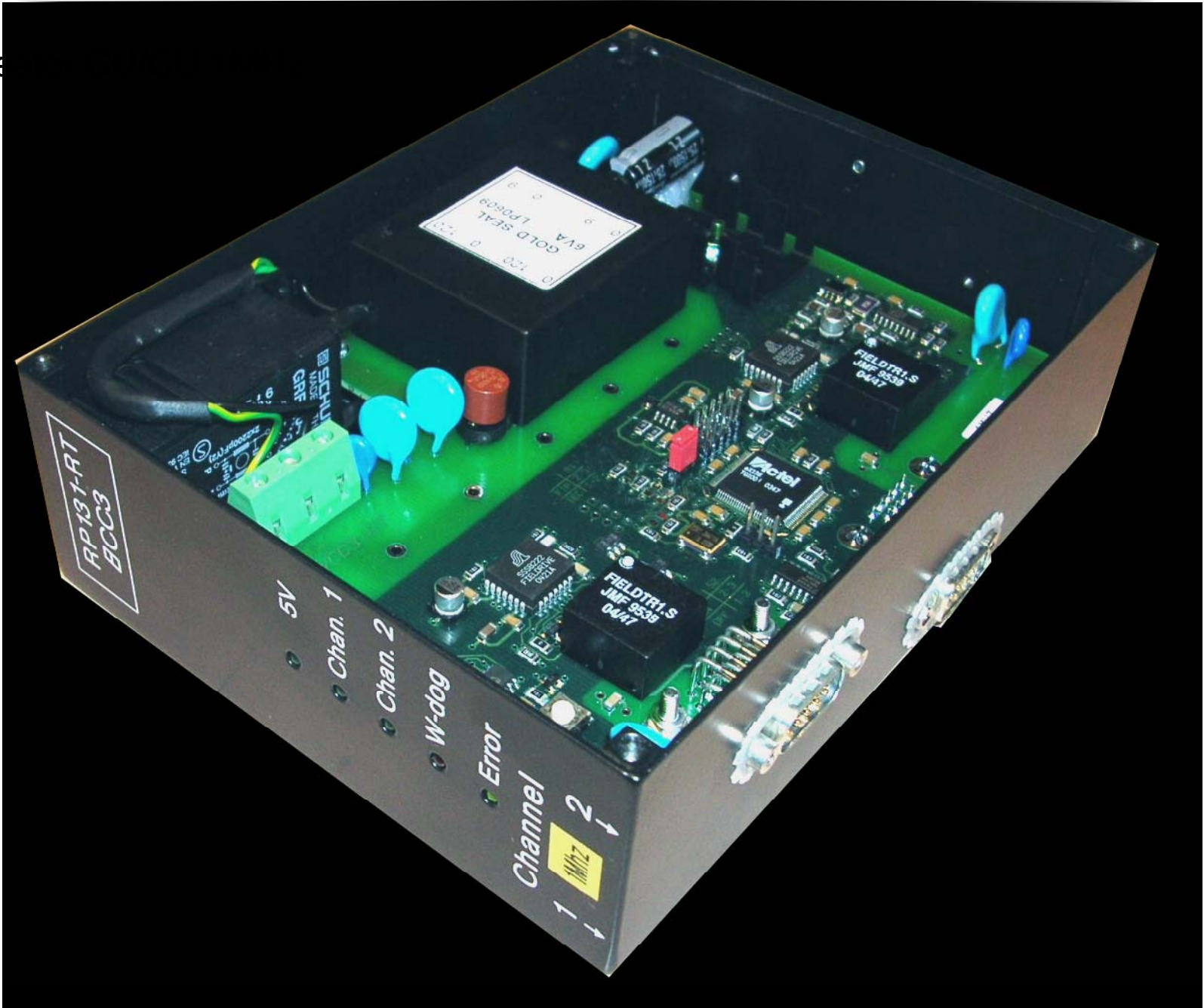
# WorldFIP Repeater Test CNGS

24 APRIL 2009

Julien Palluel BE/CO/FE



Repe



## **Components :**

- **FieldDrive SSS-B231**
- **Actel antifuse**

## **Mechanisms Built-in :**

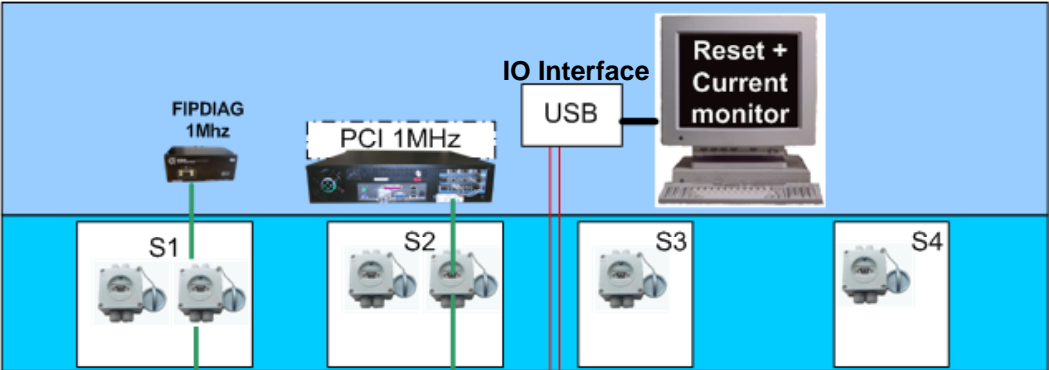
- **Anti lachup reset (power cycle)**
- **Anti non-repetition reset (Actel logic)**

## **Mechanisms added :**

- **Current measure + logging**
- **Remote power cycle**
- **Datas control + logging**

BA5 921 S2-0001

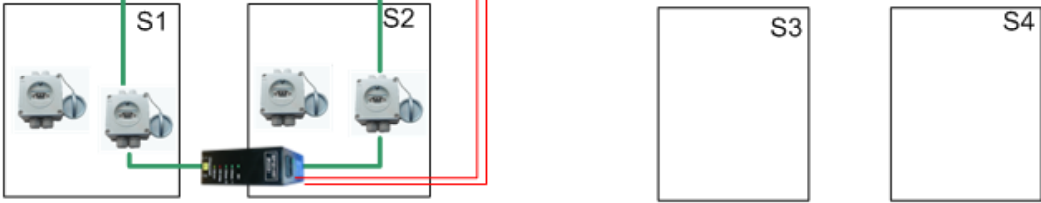
# Layout



Rack  
HCA442-  
RA5605

Rack  
HCA442-  
RA5606

↑  
ACCES Tunnel  
↓

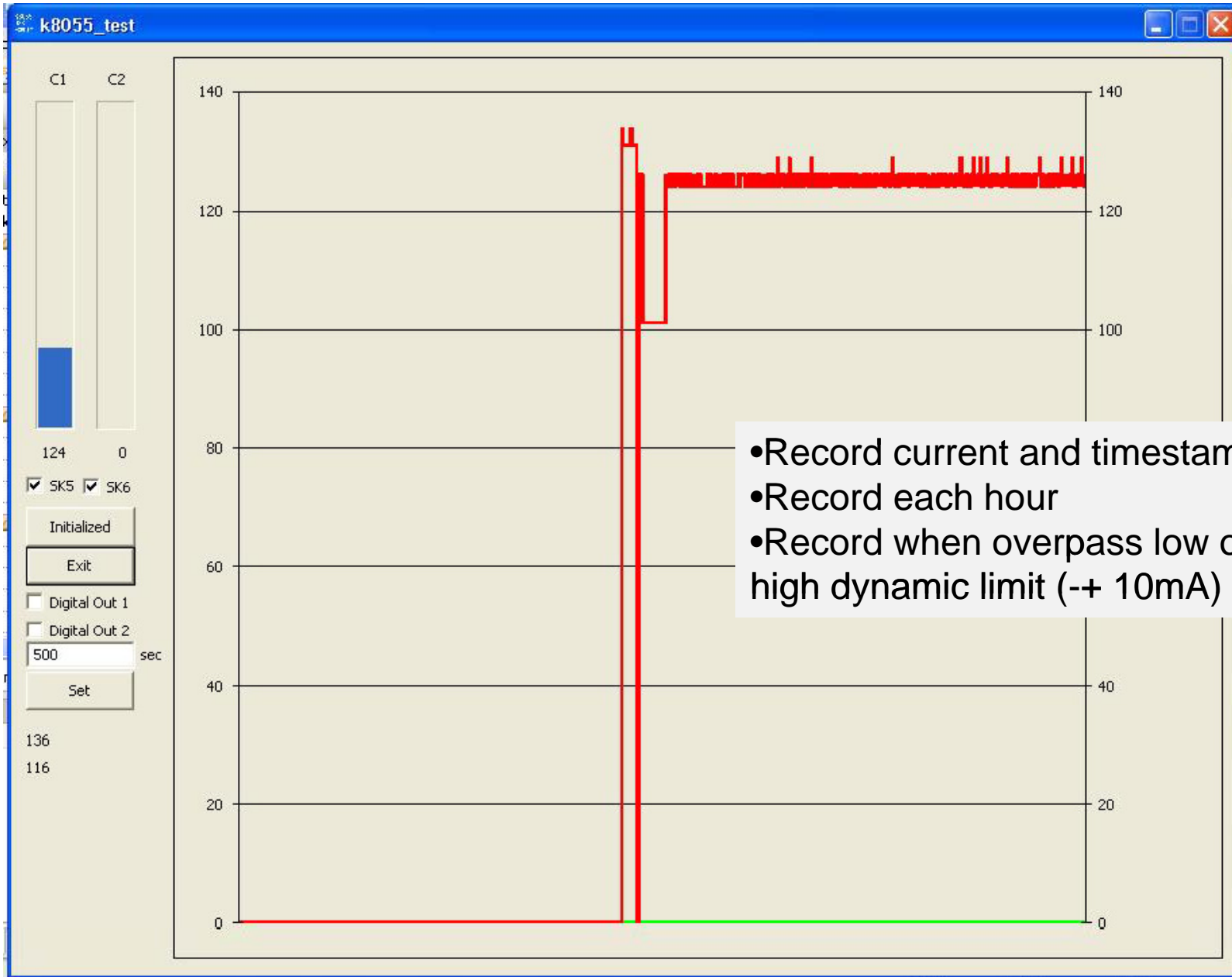


CNGS TUNNEL

TGS45  
26Gy/  
week

TGS46  
2Gy/  
week

# Current measure + logging



# Datas control + logging

- It use FIPDiag
- Compare sent value and received value, record both values with timestamp if different.
- If FIPDiag doesn't answer, record timestamp with his status

