Xbox Update

29/06/2022
Summary

• XBOX1:
• XBOX2:
  • Cooling station trips the modulator and doesn’t allow the operation.
• XBOX3: Two spiral loads 45 deg - running.
• XBox3 Operation:
  • Line 2 (CR): compressing pulse – 200 ns
  • Line 1 (UK) Non compressed pulse
  • Incident 500-600 ns
  • Rep. rate at 100Hz per line
  • Line 1 (UK): max 8MW
  • Line 2 (CERN): max 16,7 MW

• XBOX1:
• XBOX2:
  • Cooling station trips the modulator and doesn’t allow the operation.
• XBOX3: Two spiral loads 45 deg - running.
• XBox3 Operation:
  • Line 2 (CR): compressing pulse – 200 ns
  • Line 1 (UK) Non compressed pulse
  • Incident 600-800 ns
  • Rep. rate at 100Hz per line
  • Line 1 (UK): max 8MW
  • Line 2 (CERN): max 25 MW
Parameters:
- Not compressed
- 800 ns DUT pulse
- **100 Hz** rep rate per line
- **Current Power: 8 MW (peak)**


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**X-Box3 – Line 1**

![Graph showing PSI Peak Power, Load BDs [Accu], Rep Rate [Hz], Load BDR, PSI Length over pulses in millions.](image)
Parameters:
- Not compressed
- 800 ns DUT pulse
- 100 Hz rep rate per line
- Current Power: 8 MW (peak)
Parameters:
- CP 200 ns
- 1,3 us DUT pulse
- **100 Hz** rep rate per line
- **Current Power: 25 MW (peak)**
Parameters:
- CP 200 ns
- 1,3 us DUT pulse
- 100 Hz rep rate per line
- Current Power: 25 MW (peak)
X-Box3 – Spiral Loads
X-Box3 – Spiral Loads – L1