

# RFI of HP Power Supply

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# HP Power Supply

- HP (Hewlett Packard) switching power supply
  - For optic transmitters of cylinder array
  - Model Type: 6672A 0-20/0-100A
- Replaced with LONGWEI linear power supply for RFI test
  - Model Type: TPR-3030D
  - LED display removed

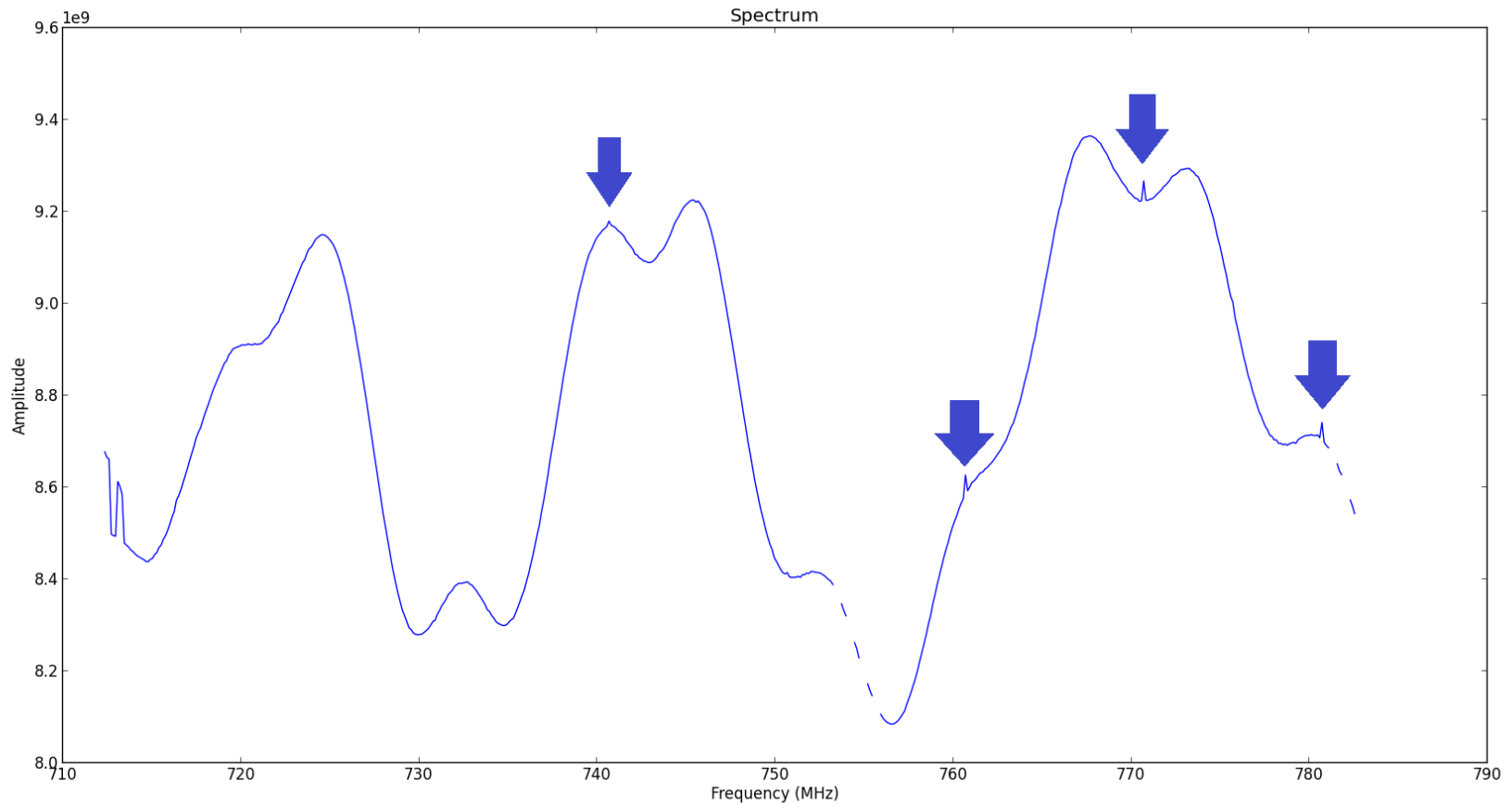


**LW** LONGWEI ELECTRIC



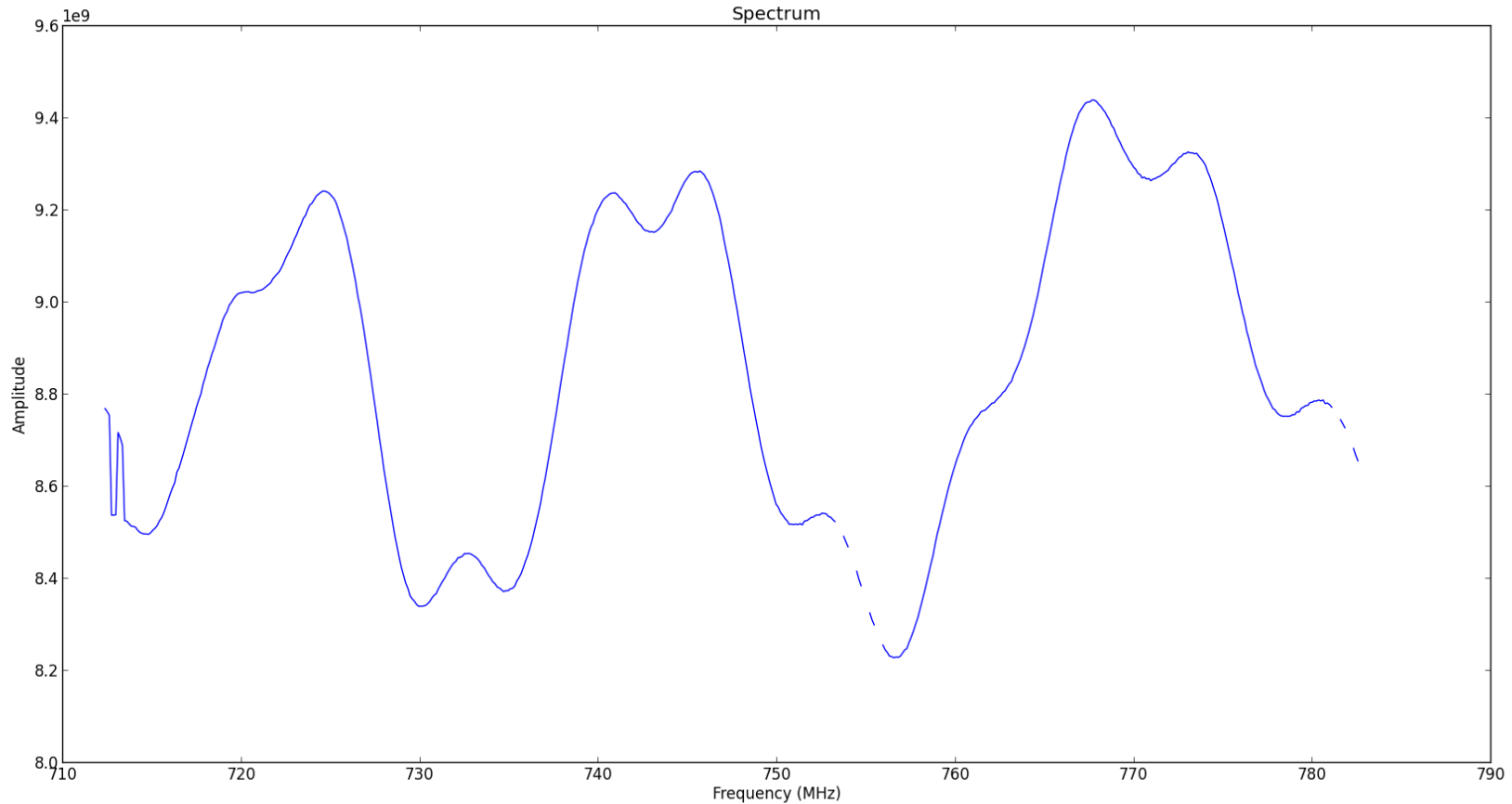
# RFI of HP Power Supply

- Seen in frequency (Turned on)

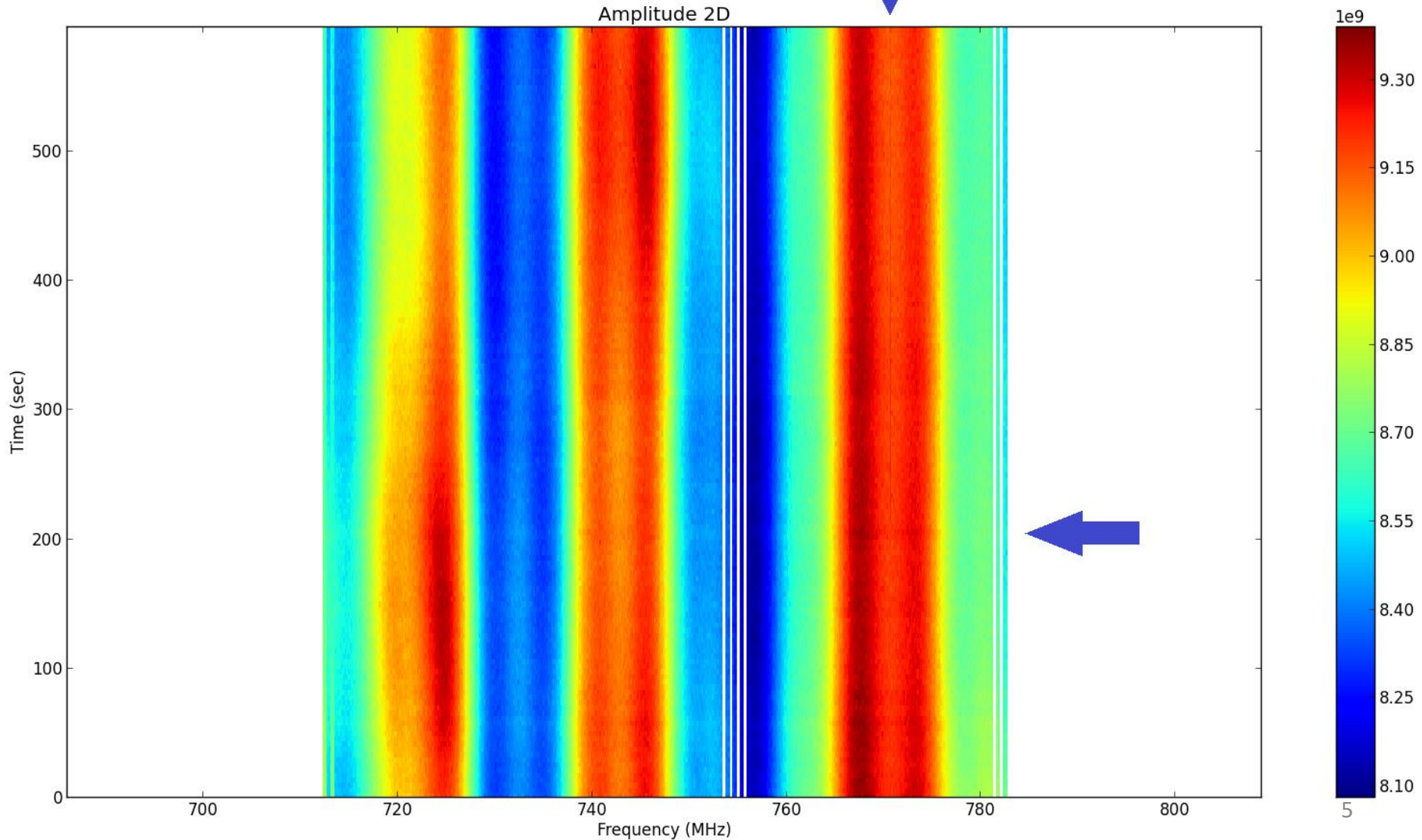


# RFI of HP Power Supply

- Seen in frequency (Turned off)



# Seen in Time (autocorr of ch12)



# Replace with Customized Power Supply

- Large current output capability
  - Output > 35A? (Current = 24A)
- Linear instead of switching power supply
- No digital parts
  
- Cylinder correlator status
  - DSP boards are sent to Institute of Automation for improvement
  - heat dissipation capability