

DEPARTMENT CCVC - OPS C3 SYST - RCS

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**DEFENSIE**

# ■ Impacts of the Mother's Day storms

# Radio testing campaign: concept

- Long distance
  - 2 F-layer hops estimated, dayside over entire link
- We throw in good equipment:
  - BEL side:
    - 1 kW with 8 dBi logperiodic antenna on TX
    - 10-15 dBi rhombic antenna on RX
  - Partner nation side:
    - 2,3 kW with omni (probably ~5 dBi) on TX
    - Similar antenna on RX
- Periodical logging of signal to noise ratio and successful decryption



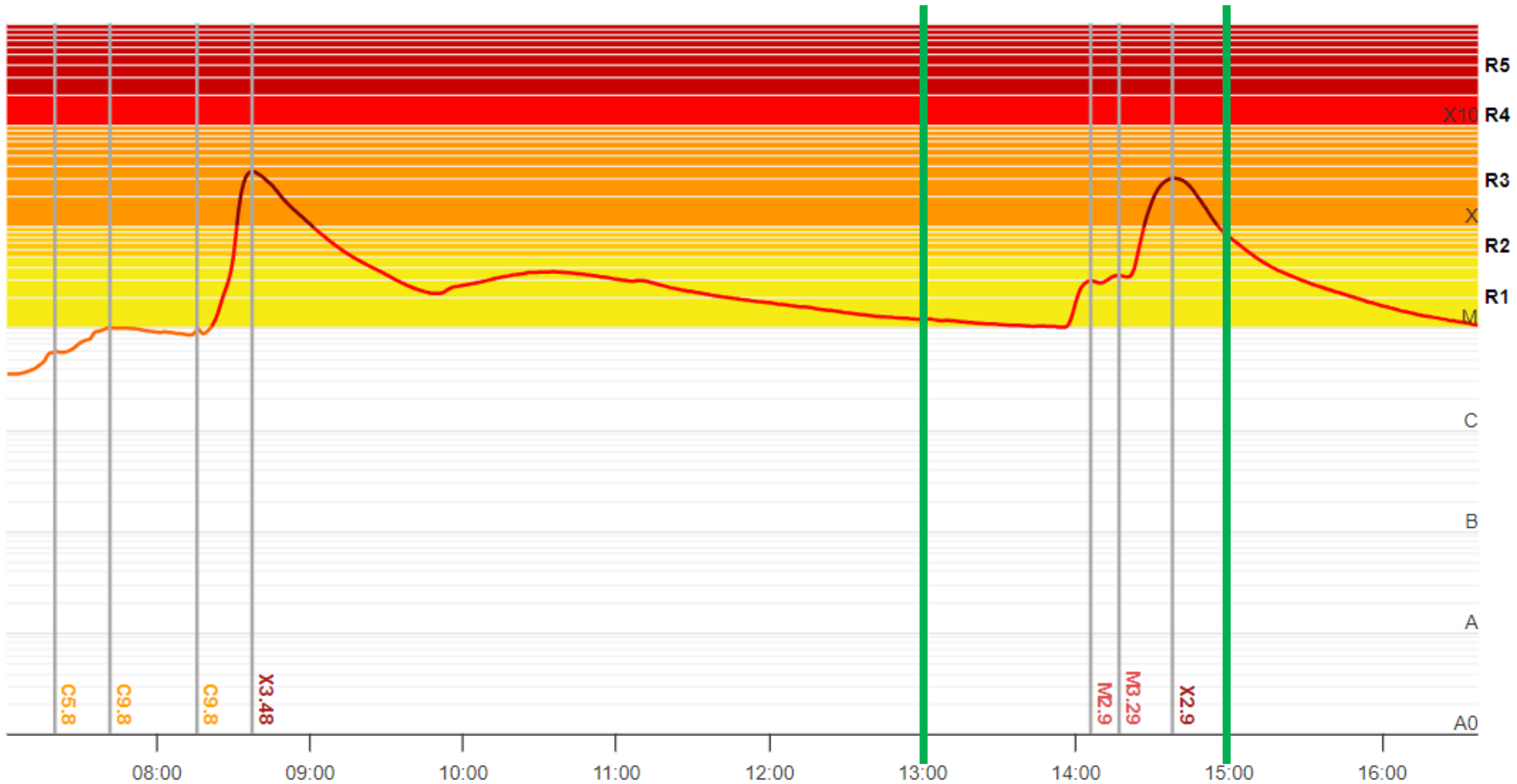
# ■ Successes, until May

The physical layer never before truly let us down.

Until the tests on 15 and 16<sup>th</sup> of May, 13:00-15:30 UTC



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12 MHz 17 MHz



# ■ Thank you @RMI

- For sharing your knowhow with us, so we can:
    - Recognize what is going on
    - Take proper actions
    - Make correct strategic judgements
  - For providing us access to the ergonomic dashboard
- Proper conclusions were made instead of attributing the failure to our systems or the operators