

Case History – 11 : Using Online Snapshot Ultrasonic Method

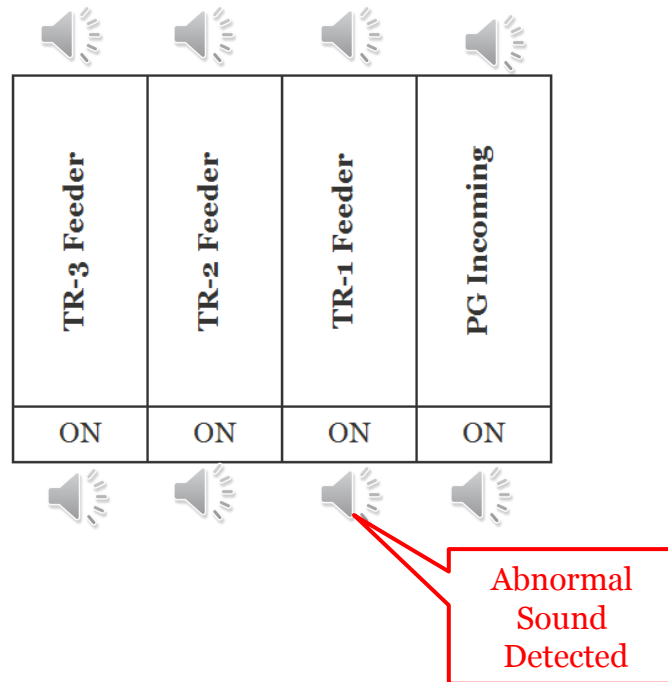
Equipment Under measurement : **22kV AIS Siemens Switchgear**

Date of Measurement : **08th August 2014**

Type of Partial Discharge Measurement: **Snapshot Mode Ultrasonic Measurement**

Measurement Equipment : **Ultra TEV Locator (Airborne Ultrasonic sensor)**

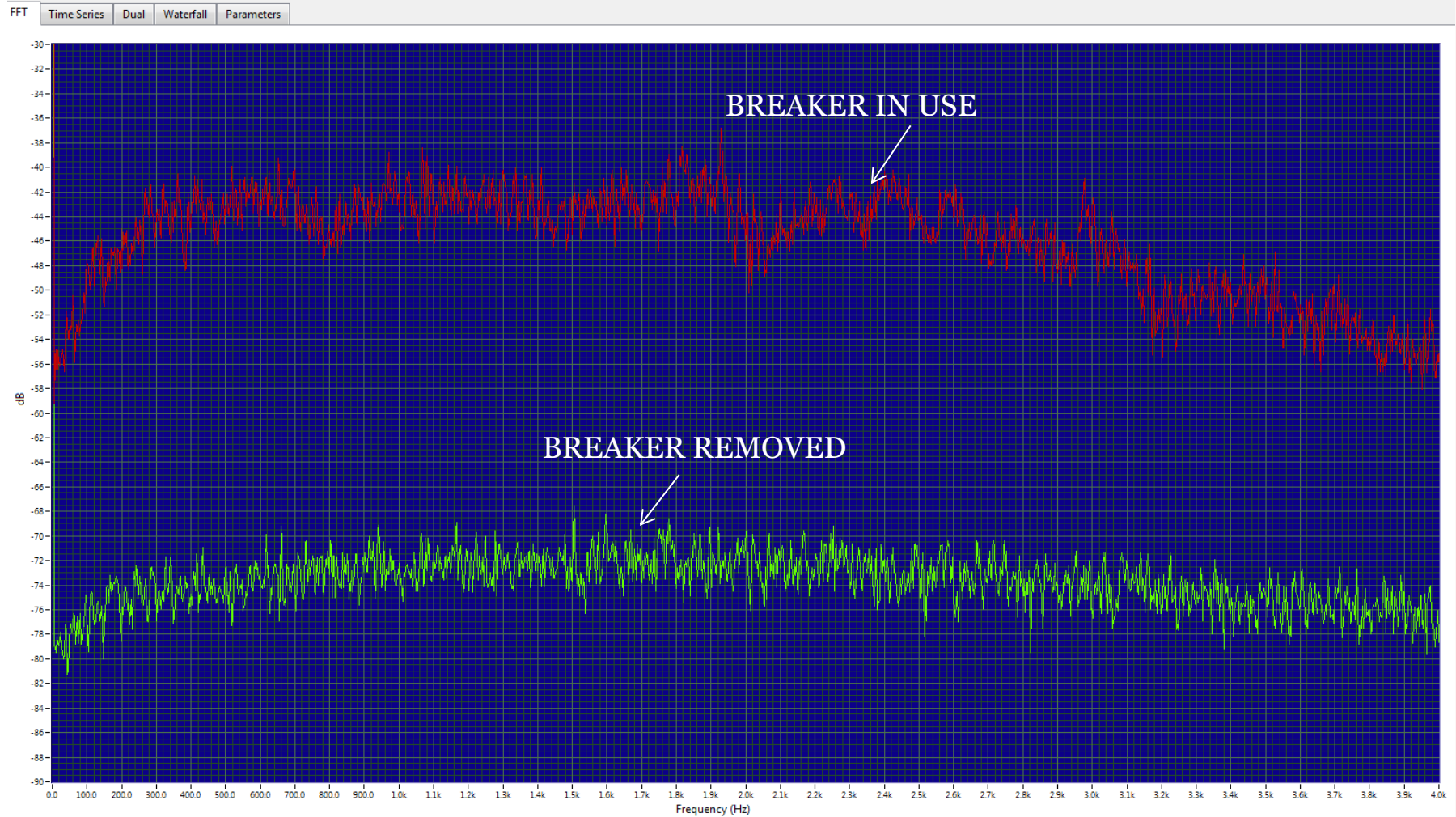
Observation: **Surface discharge was found at the Busbar and Circuit breaker contact with green corrosion spotted.**



ABNORMAL ULTRASOUND DETECTION

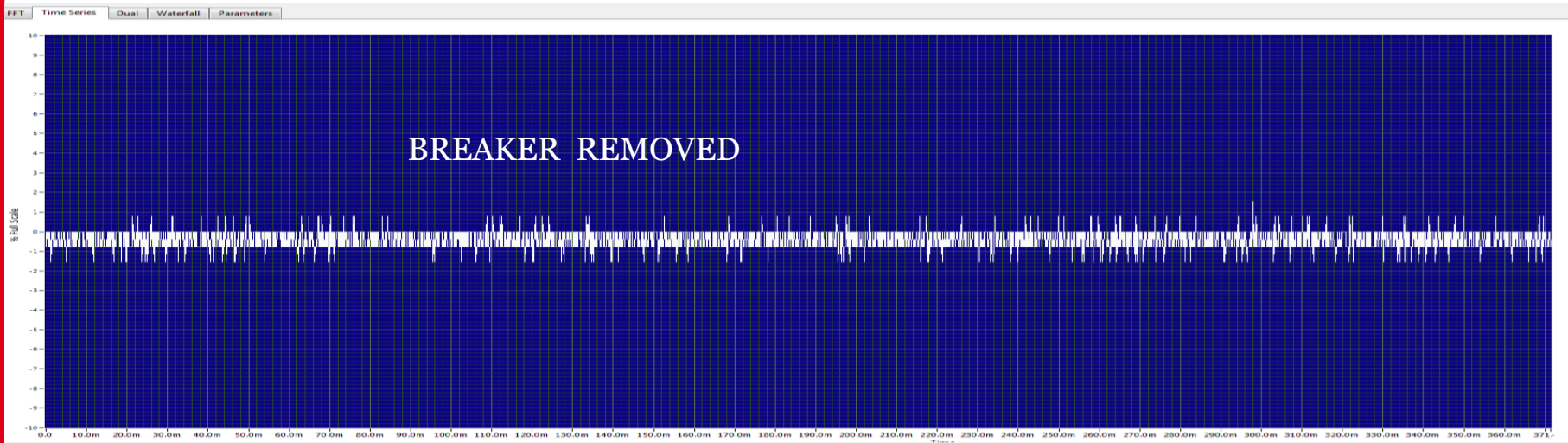
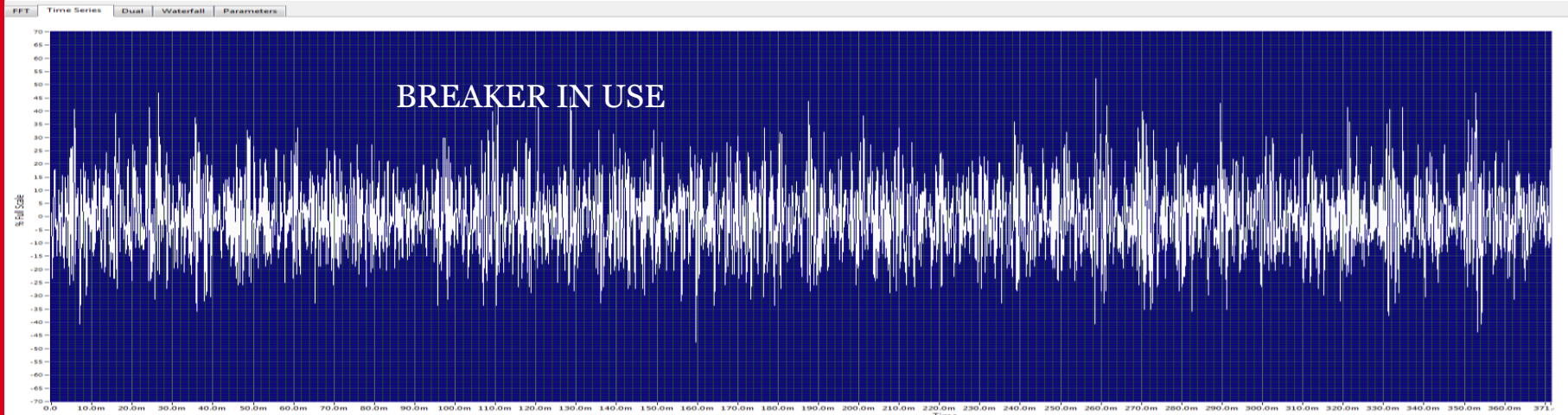
TR1 FEEDER PANEL (FRONT SIDE)

- Frequency Domain



TR1 FEEDER PANEL (FRONT SIDE)

- Time Domain





TR-3 Feeder

TR-2 Feeder

TR-1 Feeder

PG Incoming

Green Color at 22kV Circuit Breaker Contact, which indicate insufficient contact pressure

