

Case History – 9 : Using Online Snapshot Ultrasonic Method

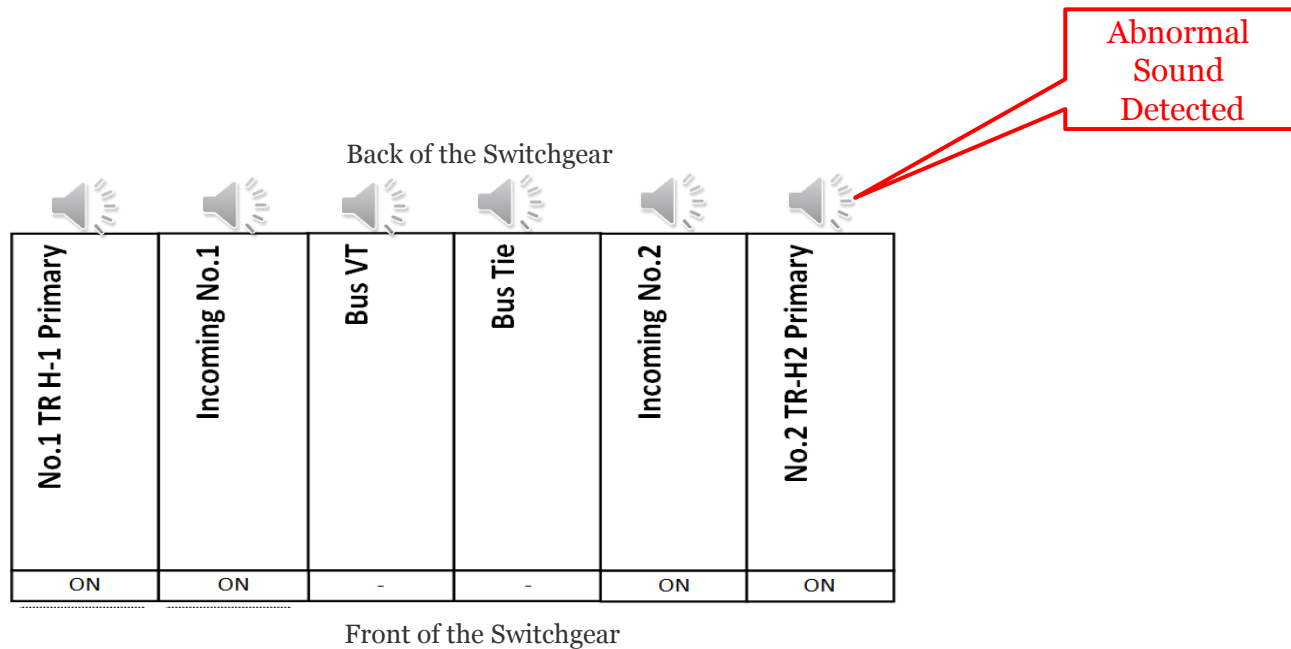
Equipment Under measurement : **22kV AIS Toshiba Switchgear**

Date of Measurement : **20th May 2014**

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

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

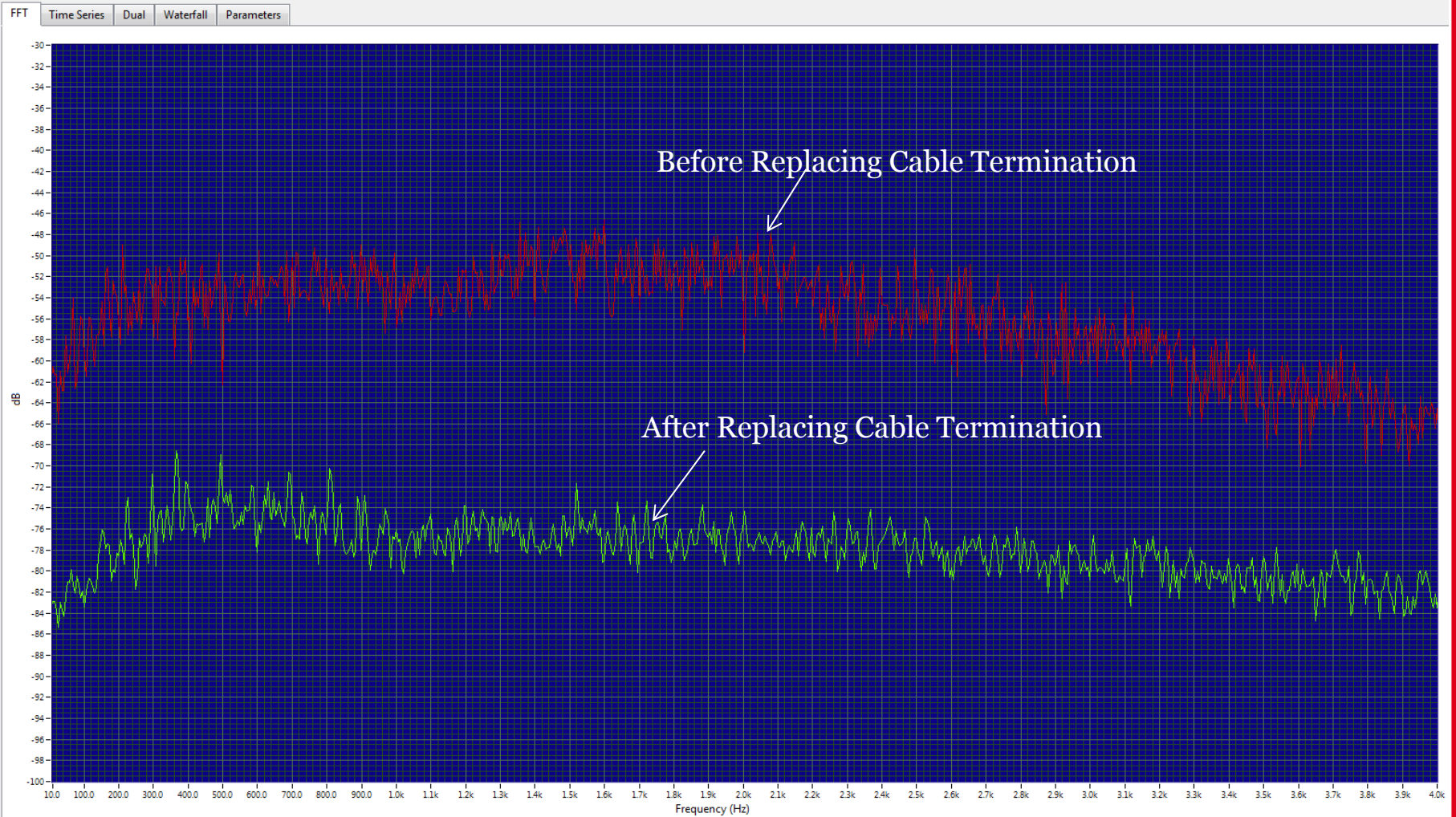
Observation: **Surface discharge was observed at the stress-control tubing (SCT) area of the Yellow phase of cable no.1 and the Red phase of cable no.2.**



ABNORMAL ULTRASOUND DETECTION BEFORE REPLACING CABLE TERMINATION

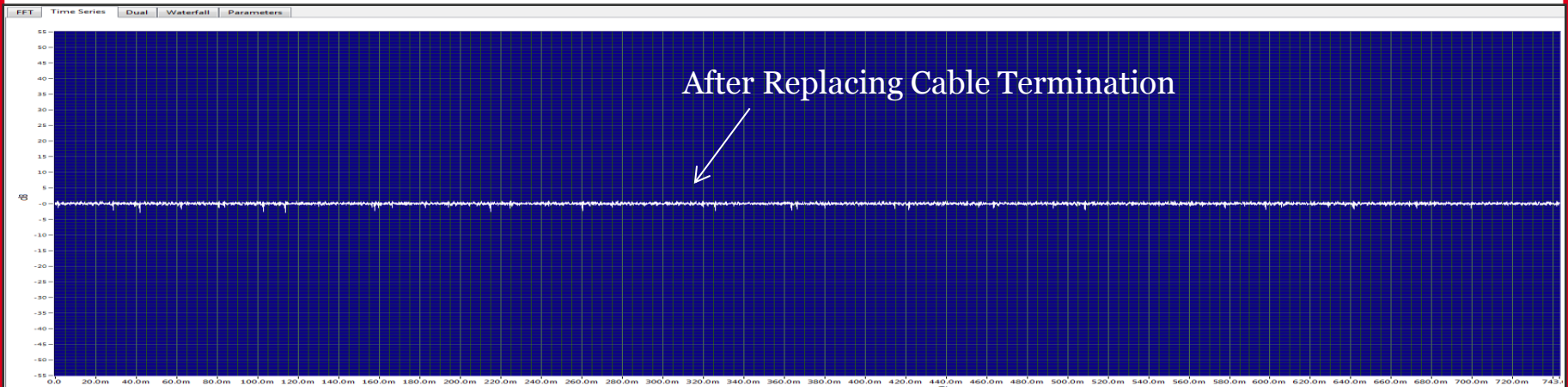
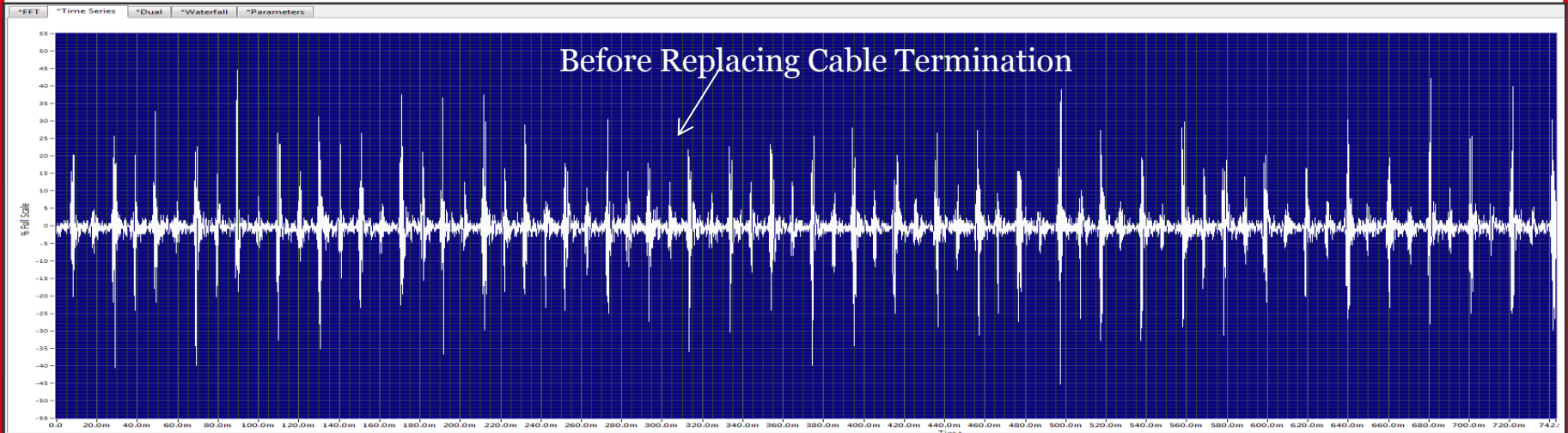
22kV AIS TOSHIBA SWITCHGEAR (BACK OF TR H2 PANEL)

- Frequency Domain



22kV AIS TOSHIBA SWITCHGEAR (BACK OF NO.2 TR H2 PANEL)

- Time Domain



Surface Discharge at the Stress -Control Tubing (SCT) area of 22kV Cable Termination

