

## Case History – 7 : Using Online Snapshot Ultrasonic Method

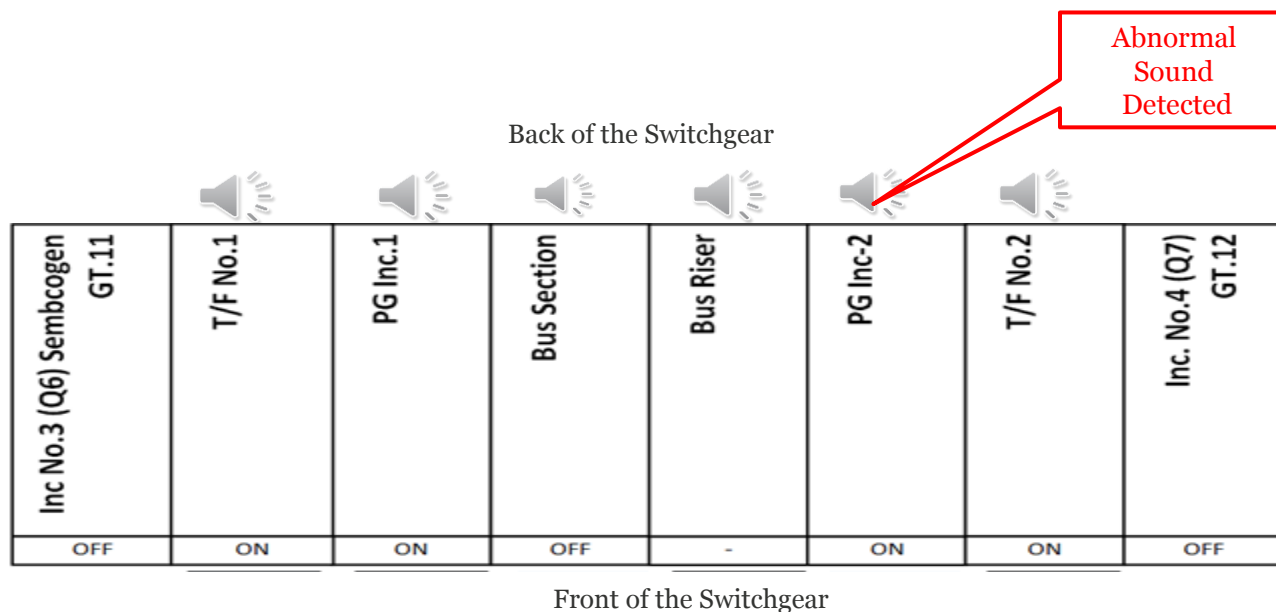
Equipment Under measurement : 22kV AIS ABB Switchgear

Date of Measurement : 17<sup>th</sup> March 2014

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

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

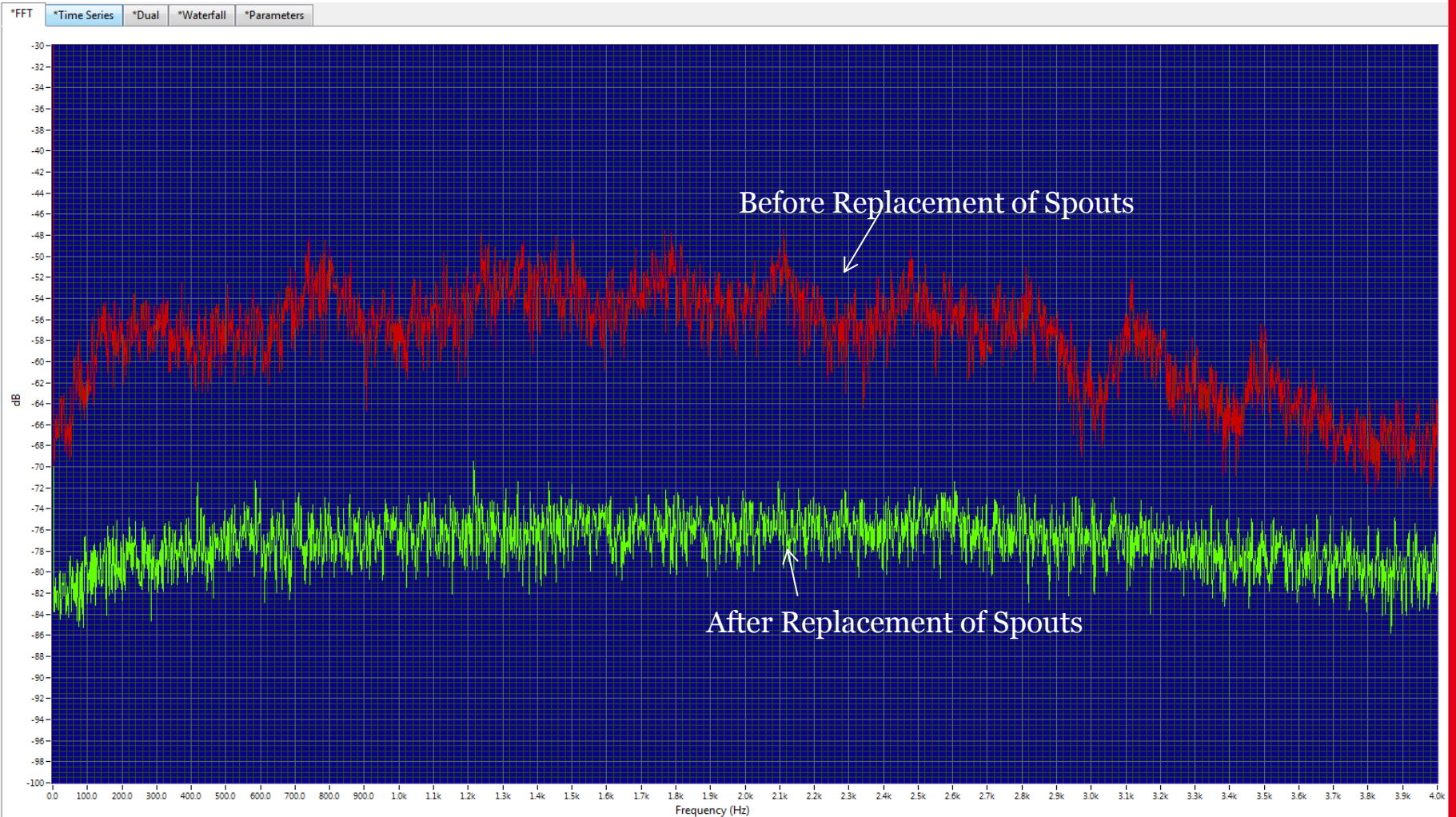
Observation: **Flash-Over with Upper Tulip contacts of CB melted.**



**ABNORMAL ULTRASONIC DETECTION BEFORE REPLACEMENT OF SPOUTS**

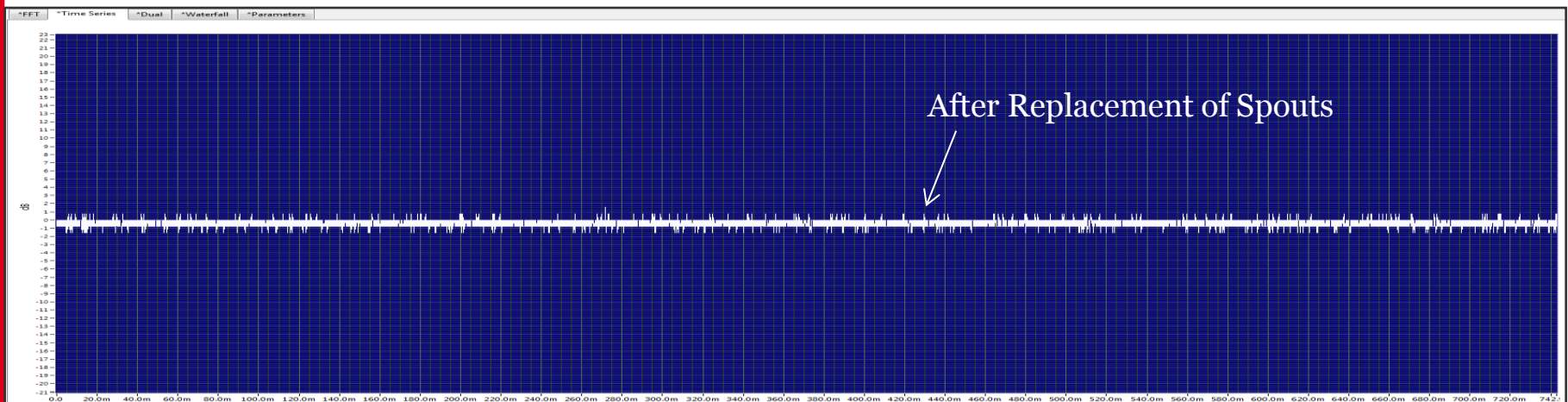
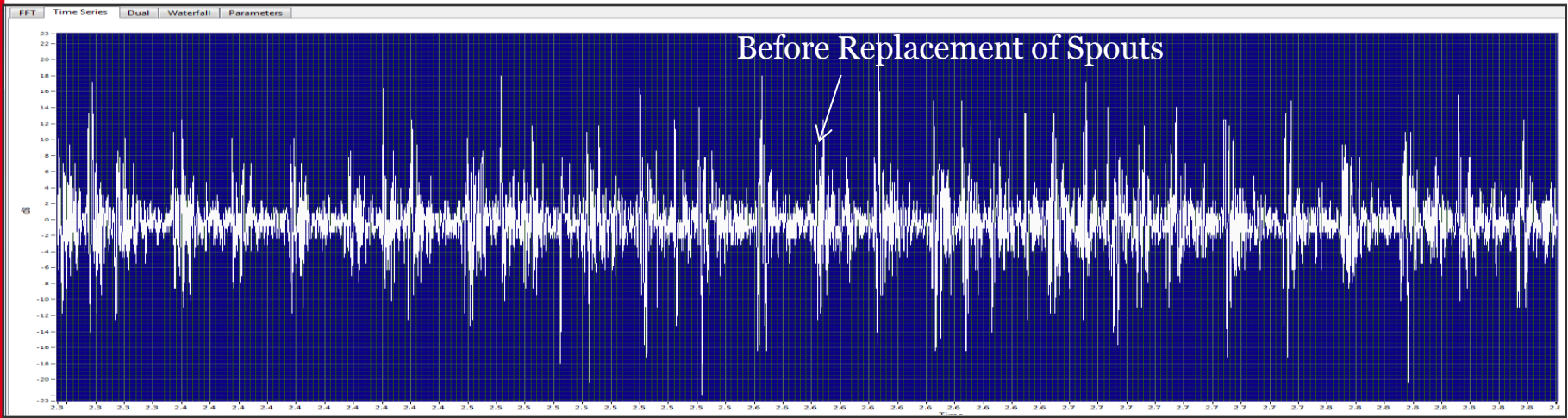
## 22kV AIS ABB SWITCHGEAR (BACK SIDE OF PG-2 PANEL)

- Frequency Domain



## 22kV AIS ABB SWITCHGEAR (BACK SIDE OF PG-2 PANEL)

- Time Domain



## Melted Contacts of 22kV Circuit Breaker





**Installed Back Tee Off Bus and New Spouts**