

# Confirmation of Design Testing – SVNH

This is to certify the successful completion of the following design tests for SVNH, polymer-housed station class arresters. Tests were performed in accordance with IEEE Standard C62.11-2012 “IEEE Standard for Metal Oxide Surge Arresters for AC Power Circuits (> 1kV)”.

Design Test Description	Clause
Arrester insulation withstand	8.1.2.4
Discharge-voltage characteristics	8.2
Accelerated aging of varistors	8.5
Accelerated aging of polymer-housed arresters with exposure to salt fog	8.7
Contamination	8.8
Radio-influence voltage (RIV)	8.10
Partial discharge (PD)	8.11
Switching surge energy rating	8.14
Single-impulse withstand rating	8.15
Duty-cycle	8.16
Temporary overvoltage (TOV)	8.17
Short-circuit	8.18
Maximum design cantilever load (MDCL) and moisture ingress	8.22



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Date: 09/03/2019  
TD01091E

