



Test report

No.: 15_314-5

Version: 1/1

Customer : Ofil USA Ltd
2030 Powers Ferry Road
Suite 280
Atlanta, Georgia 30339, USA

Test object : Corona Detection System

Type : DayCor® Luminar NFOV & WFOV

Manufacturer : Ofil Ltd.

Date of receipt : 12.08.2015

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Applied test regulations : - IEC 60270:2000, High-voltage test techniques - Partial discharge measurement
- NEMA Standards Publication No. 107-1987, Methods of Measurement of Radio Influence Voltage (RIV) of High-Voltage Apparatus


Test carried out : Sensitivity test with a DayCor® Luminar in parallel to a standard PD measurement and RIV measurement at 10 m and 15 m distance at Narrow field-of-view (NFOV) and Wide field-of-view (WFOV) modes.

Test result : In a distance of 15 m with the DayCor® Luminar it is possible to detect partial discharges with a PD level of 1.0 pC and a RIV level of 3.6 dBµV in NFOV mode.
In a distance of 10 m with the DayCor® Luminar it is possible to detect partial discharges with a PD level of 1.0 pC and a RIV level of 3.6 dBµV in NFOV and WFOV modes.

Specialist testers : Dirk Borneburg, Edmund Hommernick, Jochem Reuter

Dortmund, 13.08.2015


Dr.-Ing. Dirk Borneburg
Manager test laboratory


Dipl.-Ing. Ulrich Amen
Test engineer

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