

November 2017-10-29

Testimonial for the compliance of the DAC Monitoring and Control System

Based in Raymond, Maine, **Dielectric LLC**, a wholly owned subsidiary of Sinclair Broadcast Group confirms the following:

- Dielectric has done in the Lab technical verification measurements of the rigid line sensor with temperature cycling. The sensors are in line with the technical specification supplied by DAC System.
- The DAC System is a fully industrialized and robust solution (shielded and completely sealed) built for outdoor applications in RF-system application of high power (> nx10kW).
- The DAC System is installed at the Raymond tower, monitoring a pylon antenna and the rigid line 6-1/8". The antenna top sensor is installed in 1675ft distance from the transmitter room.

The following data are continuously measured:

- Power and return loss at the top of the antenna
- Power and return loss at the feeder input in the transmitter room
- Environmental data are recorded at both points of measure

The installation is running since April 2017 flawless, reliable with permanent data recording.

- The recorded data are visible remotely with the DAC System SW Analytics (SaaS) and can be evaluated with trend curves.

The system tested and installed at the Raymond tower consist of the components showed in the picture. The Junction boxes' are connected in daisy chain with one communication cable (hybrid). The system can monitor indoor and outdoor up to 250 points per Data Logger.

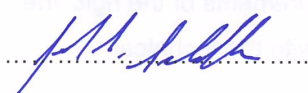
SYSTEM DESIGN:

- 1 SENSOR**
2 sensors 6-1/8 (75 Ohm) 
- 2 JUNCTION BOX 3.1**
2 Junction Box in Daisy Chain 
- 3 DATA LOGGER 2.1**
One data logger 
- 4 DACS ANALYTICS**
SaaS 

Dielectric is a leading provider of innovative broadcast products. From remote stations to major markets, Dielectric has been delivering solutions for every need since 1942. Dielectric is an innovative, customer-centric organization with a long history of engineering excellence in designing and manufacturing high-quality broadcast solutions. The Company is a trusted partner of broadcasters worldwide.

John Schadler

VP Engineering



Keith Pelletier

General Manager

