

Engineering Statement in Re:  
Modification of a Telecommunications  
Structure in the Vicinity of a Standard  
Broadcast Antenna Station  
WTLC (AM) 1310 (kHz) DAN  
Indianapolis, IN  
5.0 kW Day / 1.0 kW Night

**Construction**

The modification consists of the removal of an existing 1-bay FM antenna and installation of a 2-bay FM antenna at the same location and bearing on the pre-existing structure. Existing feed lines and supports were re-used. There was no change to the overall height of the structure.

**Evaluation Method**

Mr. Don Payne, the WTLC-AM Chief Engineer, was notified of the pending modifications and our analysis indicating no impact to the WTLC operation. The letter also proposed a comparison of pre- to post-construction night pattern monitor point measurements to confirm the lack of impact. The WTLC night pattern is attached as Plot 1.

**Pre-Construction Data Collection**

On April 22, 2008 Mr. Don Payne, WTLC-AM Chief Engineer, collected pre-construction monitor point data on The WTLC night pattern. A Potomac Instruments Field Intensity Meter, Model FIM-21, serial number 969, last calibrated on August 17, 2005, was used. The weather was clear with temperatures in the low 70s.

**Post-Construction Data Collection**

On June 4, 2008, Mr. Payne collected post-construction measurements on the same monitor points. The same Potomac Instruments Field Intensity Meter was used. The weather was overcast with temperatures in the mid 80s.

**Analysis of Measurement Data**

The attached Figure 1 contains the tabulated night pattern monitor point data. Monitor point values showed no appreciable variation.

Radial	License Limit	Pre Measurement	Post Measurement
23	150	125	128
171.5	15.7	10.6	11.7
263	146.5	137	140
324.5	28	18.1	19.2

**Conclusion**

On expert opinion, it is stated here that there is no indication that the modification has had any adverse effect on the WTLC operation.

**Certification**

Under penalty of perjury, I state that the above is true and correct to the best of my knowledge and belief.



William Donald Payne

10-24-08

Date