

PHASETEK INC.

ENGINEERING STATEMENT CONCERNING W272DX NY-NEW YORK JUNE, 2019

SUMMARY

Verification of stations operation was performed for both Radio Stations WPAT, 930 kHz, and WNSW, 1430 kHz, after installation of the FM antenna and associated equipment for W272DX at their Transmitter site. W272DX holds Construction Permit Number: BMPFT-20181126AAM to operate at the WPAT/WNSW Transmitter site. This report was prepared on behalf of Salem Media of New York, LLC, licensee of Radio Station WMCA.

SITE MODIFICATIONS

The FM antenna and transmission line have been installed on tower #1 (SE). The existing 85uH isolation inductor for WPAT sampling line has been changed to a dual winding model with the same inductance and line length as the original. The second winding is used to feed the FM across the base insulators. Therefore, there is no change to the lumped reactance at the tower base.

SPECIAL OPERATING CONDITION #4

Field intensity measurements indicate no change to the currently licensed radiation patterns of Radio Station WPAT, 930 kHz, after installation of the FM antenna and associated equipment. Therefore, a 302-AM is not submitted with this application, as there will be no change in the station's operating parameters.

SPECIAL OPERATING CONDITION #5

Base impedance measurement of tower #1 (SE) indicate values within ± 2 ohms and ± 4 percent of the currently licensed modeled resistance and reactance for Radio Station WNSW, 1430 kHz, after installation of the FM antenna and associated equipment. Therefore, a 302-AM is not submitted with this application, as there will be no change in the station's operating parameters.

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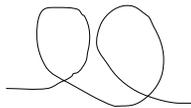
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MEASURING EQUIPMENT AND PERSONNEL

Tower Resistance and Reactance measurements were made with a Delta Electronics OIB-3, operating impedance bridge. Before use, tests of known impedances were made to verify operation. All Field Intensity Measurements were made with a Potomac Instruments Field Intensity Meter; PI 4100, Serial Number 249, calibrated January 21, 2016. The meter was calibrated by Potomac Instruments, Frederick, Maryland. All measurements were taken by Phasetek Inc. personnel supervised by Kurt Gorman of Phasetek Inc.

CONCLUSION

It is believed that the W272DX Antenna System has been constructed in accordance with all applicable Commission rules and regulations. The foregoing was prepared on behalf of Salem Media of New York, LLC, under the immediate supervision of Kurt Gorman, Phasetek Inc., Quakertown, Pennsylvania, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



**Kurt Gorman, President
Phasetek Inc.
Quakertown, Pennsylvania**