



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
A MINOR MODIFICATION OF A
POST REPACK CONSTRUCTION PERMIT
FILE # 0000034376
WPNT - PITTSBURGH, PENNSYLVANIA
DTV - CH. 21 - 721 kW - 312 m HAAT**

Prepared for: WCWB LICENSEE, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, No. 7418, and in New York State, No. 63418.

GENERAL

This office has been authorized by WCWB LICENSEE, LLC, licensee of WPNT, channel 42, facility ID number 73907, licensed to Pittsburgh, Pennsylvania, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for a minor modification of its post-reassignment construction permit, File # 0000034376, that authorizes WPNT to use channel 21 for its post-reassignment broadcasting. The instant application proposes only to reduce the authorized Effective Radiated Power (ERP) from 1000 kW to 721 kW. WPNT's authorized antenna, a Dielectric model TFU-14ETT/VP-R 3C190, is incapable of providing gain for more than 721 kW and the available aperture will not allow an antenna with sufficient gain to generate 1000 kW. The permittee's only choice is to reduce WPNT's ERP to 721 kW. No other changes are herein proposed.

DIRECTIONAL ANTENNA

The applicant proposes to utilize its authorized antenna, a new Dielectric model TFU-14ETT/VP-R 3C190 elliptically polarized directional antenna. The antenna's center of radiation will be located at the authorized height above ground of 218.7 meters, and at the authorized height above average terrain of 312 meters. The antenna manufacturer's antenna data, including the horizontal azimuth patterns of both the horizontal and vertical signal components and the vertical plane elevation radiation pattern, illustrating the antenna's radiation characteristics above and below the horizontal plane are shown and tabulated in the antenna exhibit.

CHANGES IN OTHER PARAMETERS

The predicted coverage contours are affected by the reduction in ERP, and a new exhibit 1 is provided based on the new reduced ERP. Since the only change is a reduction in ERP the other remaining parameters, including Allocation Considerations, Blanketing and Intermodulation Interference and Radio Frequency Impact all remain within acceptable limits.

OCCUPATIONAL SAFETY

The licensee of WPNT is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WPNT antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

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SUMMARY

It is submitted that the instant application for a minor modification of its post-reassignment channel 21 construction permit, file # 0000034376, to reduce WPNT's ERP to accommodate the capabilities of its authorized directional antenna, as described herein, does comply with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement, FCC Form 2100, its technical sections, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: December 4, 2019

