

**WQED Multimedia
4802 Fifth Avenue
Pittsburgh, PA 15213**

June 20, 2017

CONSOLIDATED ENGINEERING EXHIBIT

The instant application is to request a Construction Permit for a Band Changing Station WQED, CH 13 to specify operation on CH 2 with facilities that conform to the new station parameters as proposed in FCC Letter “IMPORTANT CHANNEL ASSIGNMENT INFORMATION” issued by the FCC to WQED Multimedia and dated February 8, 2017. A check by this office of post Repacking coverage and interference utilizing TVStudy version 2.2.2 on June 5, 2017 confirms compliance with the Schedule A requirements for a “Quick Grant” application.

FAA STUDY COMPLETED

On May 10, 2017, the FAA issued a “Determination of No Hazard to Air Navigation” with respect to WQED Multimedia’s application on FAA Form 7460-1 to slightly increase the overall tower structure height to accommodate the physically longer transmitting antenna for CH 2 as compared to the previously authorized overall height for the current TV Channel 13 transmitting antenna including top beacon and lightning arrestor. No change in Marking and Lighting Requirements are required. The New FAA study number is 2017-AEA-3459-OE. ASR Registration modification application (Form 854-R) is in the process of updating Registration 1022324 with the new information from the FAA.

PROPOSED ANTENNA PATTERNS AND TABULATIONS

Attached are uploaded documents regarding the proposed CH 2 transmitting antenna patterns. Figure T-1 is a plot of the omni-directional horizontal polarization and Figure T-2 tabulates the elevation data from +10 to -90 degrees from the horizon. Figure

T-3 is an expanded plot of the elevation pattern from +10 to -30 degrees from the horizon.

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