



ENGINEERING STATEMENT OF CYNTHIA M. JACOBSON, P.E.
IN SUPPORT OF A REQUEST FOR
SPECIAL TEMPORARY AUTHORITY
WEEX – EASTON, PENNSYLVANIA
1230 kHz – 0.32 kW DAY/1.0 kW NIGHT – ND-U
Facility ID: 8596

Applicant: Radio License Holding CBC, 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 Registered Professional Engineer in the Commonwealth of Virginia, Registration No. 0402027914.

GENERAL

This office has been authorized by Radio License Holding CBC, LLC (“Radio License”), licensee of Standard Broadcast Station WEEX, Easton, Pennsylvania to prepare this Engineering Statement and figures in support of a Request for Special Temporary Authority.

WEEX is a Class C station, presently licensed to operate on 1230 kHz with a power of 0.84 kW day and 1.0 kW night. The day mode uses a directional antenna



system while the night employs a non-directional antenna.

WEEX has an outstanding construction permit, FCC File No. BP-20200225ACU, to operate with a nondirectional antenna at a daytime and nighttime power of 1.0 kW. The current #2 (north) tower of the licensed day array is proposed as the nondirectional radiator. The #2 (north) tower is the shorter of the two existing towers.

Special Temporary Authority is requested to employ the #1 (south) tower of the licensed array for a daytime nondirectional operation at a power level of 0.32 kW. The #1 tower is the taller of the two existing towers. The Antenna Structure Registration number for this tower is #1031820. The nighttime operation will be unchanged and operate as licensed with a nondirectional power level of 1.0 kW from the #1 (south) tower. The STA operation will allow for the changes necessary to implement the outstanding construction permit authorization, FCC File No. BP-20200225ACU. In addition, the STA will allow for a nondirectional daytime operation as the licensed daytime directional array is experiencing stability issues.

Figure 1 depicts both the licensed WEEX 0.5 mV/m day contour and the proposed 0.5 mV/m STA daytime contour. The proposed 0.5 mV/m is wholly within the licensed 0.5 mV/m contour, therefore WEEX fully complies with the Commission's Engineering Rules for Special Temporary Authority.

CONCLUSION

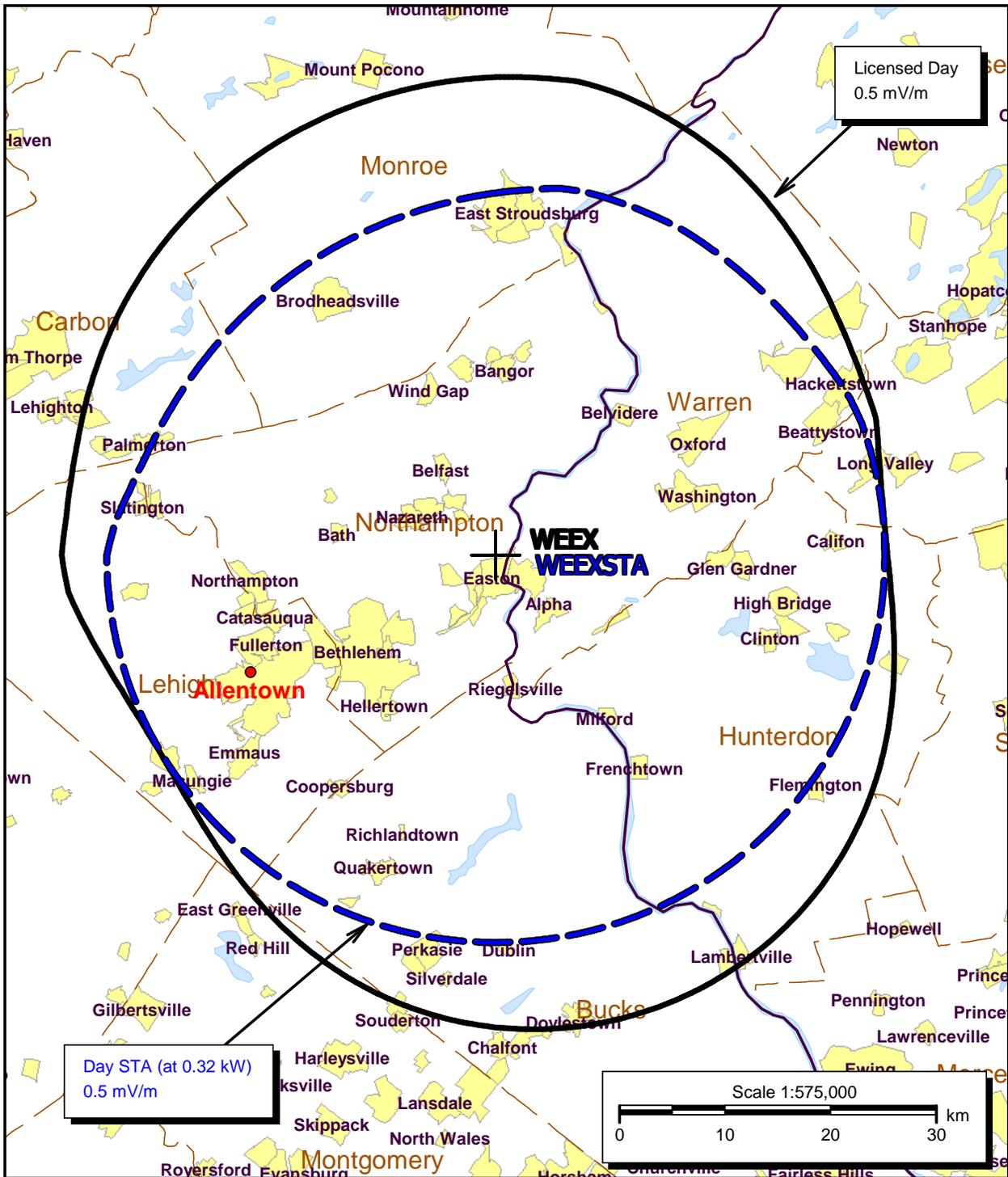
This statement and the attached figures were prepared by me or under my direct supervision and are believed to be true and correct.

It is submitted that the proposed operation described herein complies with the technical standards of the Rules and Regulations of the Commission.

DATED: May 26, 2021



FIGURE 1



PRESENT AND PROPOSED STA
0.5 MV/M DAYTIME COVERAGE CONTOURS
WEEX - 1230 KHZ - EASTON, PENNSYLVANIA
LICENSED: 0.84 KW DAY/1.0 KW NIGHT - DA-D-U
STA: 0.32 KW DAY/1.0 KW NIGHT - ND-U
MAY, 2021

