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DIGITAL LPTV FACILITY
MINOR CHANGE APPLICATION
W17EI
FCC FACILITY ID: 185274
JACKSON, TN

ENGINEERING NARRATIVE

Minor Change Application:

W17EI, seeks to modify its existing construction permit to specific a new tower site and antenna system as well as maximum effective radiated power (ERP). The proposed antenna is a Scala/Kathrein CA7-YAGI/1, directional antenna. A full-service filter mask is to be employed. The facility requested is not contingent upon a grant or channel move of any other known facility at the time of filing.

Modification Compliance:

Pursuant to 47 CFR §74.787(b) the instant application is considered a "minor" change because;

There is no change in transmitting antenna location such that the protected contour resulting from the change does not overlap some portion of the protected contour of the authorized facilities of the existing station as illustrated in Figure 1, Present & Proposed Service Contours.

There is no change in transmitting antenna location greater than 30 miles (48km) from the reference coordinates of the existing station's antenna location, as noted below:

CALCULATED DISTANCE BETWEEN EXISTING AND PROPOSED SITES

SITE	LAT (NAD83)	LON (NAD83)	(KM)	(MI)
CURRENT/EXISTING	35-42-17.00 N	88-44-46.00 W	11.13	6.92
PROPOSED	35-39-40.67 N	88-51-24.96 W		

FCC Tower Registration (ASR) - FAA Notification:

The proposed mounting structure is a 30-foot self-supporting tower/mast with an overall height of less than 35 feet/10.7 meters when the top mounted antenna is considered. The center of radiation of the proposed antenna is at 32 feet/10 meters AGL. The ground elevation at the site is 129.5 meters.

The proposal passes the FCC/FAA TowerAir determination and the software reports: "A routine check of the coordinates, heights, and structure type you provided indicates that this structure does not require registration."

PASS SLOPE(100:1): NO FAA REQ RWY MORE THAN 10499 MTRS & 7942.78 MTRS (7.94280 KM) AWAY

As the structure does not require notice to the FAA and is less than 61 meters in overall height, FCC Antenna Structure Registration is not required.

Proposed Site Map:

A topographical map with the site marked upon it is provided as Figure 2.

A <u>TV Interference Check Study</u> of the proposal using the FCC TVStudy program (Version 2.2.5), shows that no prohibitive interference will occur from the proposal. A copy of the summary report has been included in this application. The applicant accepts any interference that is predicted to exist to the proposed facility by any authorized or previously proposed primary or secondary TV station.

Environmental Evaluation Statement:

The environmental evaluation statement concerning this proposal has been included in this application and can be found as a separate file upload within the application. A grant of this proposal would NOT be an action which would have a significant environmental effect as demonstrated in the environmental evaluation statement.

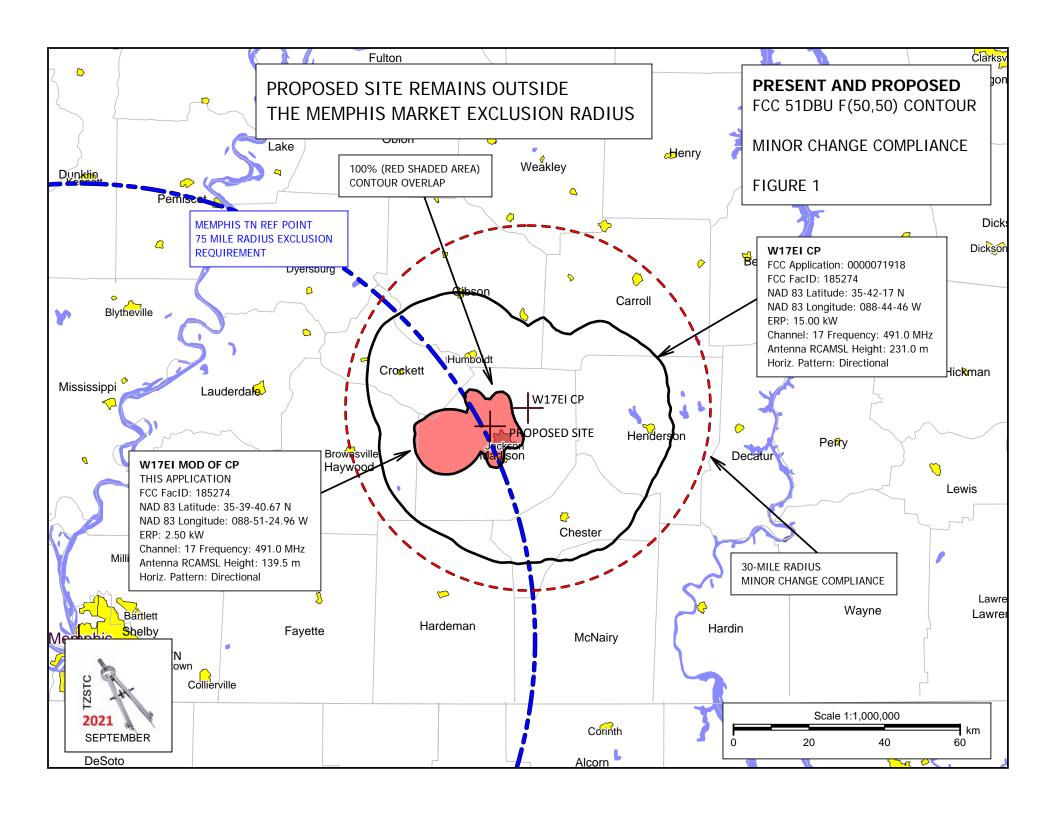
September 25, 2021

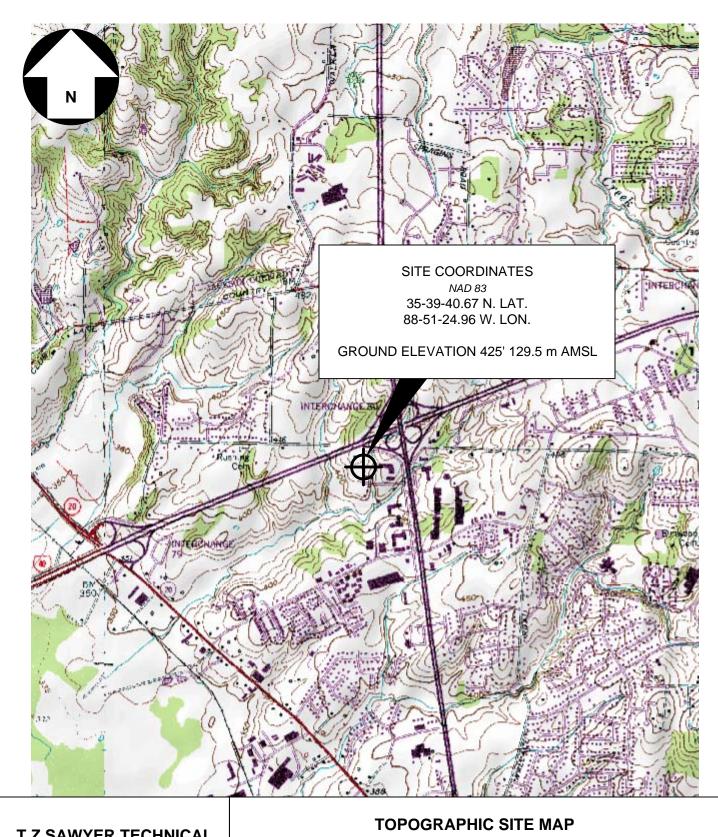
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T Z SAWYER TECHNICAL **CONSULTANTS FIGURE** Tel.: (703) 848-2130 www.tzsawyer.com W17EI LPTV CH 17 2 CAGE NO DWG NO REV SIZE FALL CHURCH, VIRGINIA 22043-2555 Α N/A 20210925W17EIF2 NONE (C) 2021, ALL RIGHTS RESERVED SCALE 1:24,000 SEPTEMBER 2021 SHEET