

Engineering Special Temporary Authority
KWJZ-LP, High Rock, Washington
Channel 297, Facility ID 134276

Licensee Continental Broadcasting (“Continental”) here requests an Engineering STA for operation at a temporary broadcast site to continue serving its community due limiting circumstances where licensee cannot continue to utilize its current broadcast site. Continental believes there is good cause to grant a temporary facility and that maintaining the license of KWJZ-LP is in the public interest. Previously Engineering STA BSTA-20220318AAG was applied for 05/31/2022 and granted. Since then a new staff has taken over operations of the facility and the current licensee is soon to assign the license to a new community radio group. Continental lapsed in timely filing an extension of that STA. It currently has a granted construction permit to move locations, AFN 0000191349. Continental was planning to move to the new CP by the end of the Engineering STA time but has been plagued with bad Northern Washington State winter weather the last 50 days. Continental respectfully requests a temporary STA broadcast location for 90 days until it can file license to cover at its CP site.

BACKGROUND

KWJZ-LP operates at 100 watts ERP with HAAT -9m. Even though the FCC license prescribes an ERP of 14 watts via license to cover File No. 0000137496, the underlying construction permit File No. 0000106445 authorized the construction of the facility for 100 watts (see Attachment). The license of 14 watts is a patent error, as a HAAT of -9 m asserts a minimum ERP of 50 watts, per § 73.811.

Following a storm in the last week, KWJZ-LP’s antenna came down, rendering the station off air. Washington State weather maintains unfavorably unpredictable weather until the spring. Continental would like to immediately return to air at a temporary location until a new antenna can be ordered and installed.

REQUEST OF TEMPORARY OPERATIONS

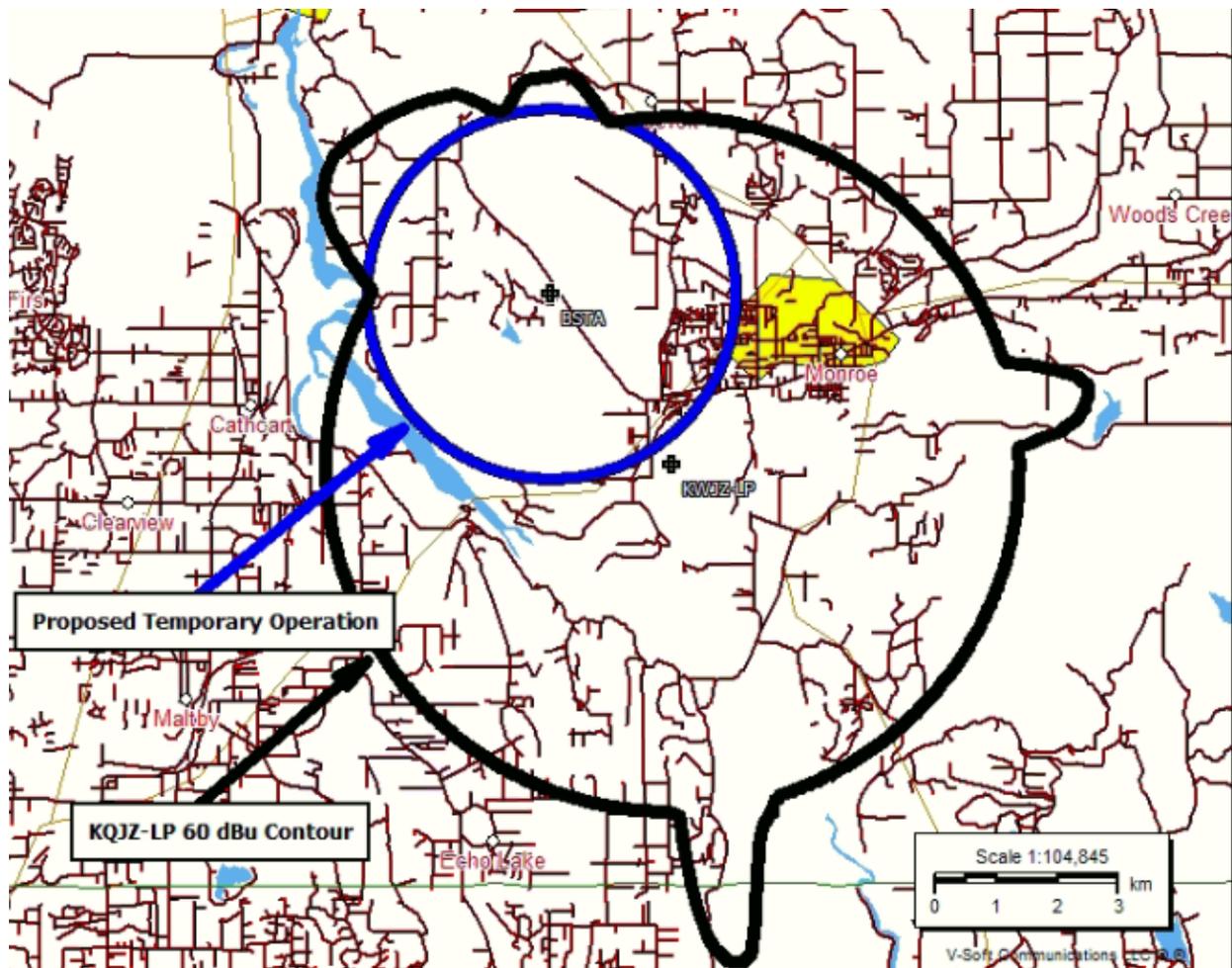
Continental believes the aforementioned situation constitutes extraordinary circumstances beyond the control of the licensee, permitting restoration or relocation of existing facilities to continue communication service, which is consistent with 47 C.F.R. § 1.913. At 3.4 km from the licensed location, the proposed temporary site is close to the licensed site and meet the four-pronged prerequisite for a site (i.e., site loss was beyond the control of licensee, the service continues programming to the community of license, the temporary site is the closest site found, and the temporary site does not involve the construction of a tower).

The public interest is furthered in the grant because there is a deficiency of community-run low power FM stations licensed within the immediate vicinity. KWJZ-LP serves the Monroe, Washington area, which is a rural town northeast of Seattle.

The licensee has a plan in place for restoring licensed broadcast. The licensee is requesting a maximum of 90 day Engineering STA term just to be on the safe side to returned to licensed broadcast operation of 100 watts.

TECHNICAL DETAIL

The proposed Engineering STA's operation is entirely within the licenced 60 dBu contour as seen below.



Channel 297
New Location: 47-51-52.2 N 122-01-58.4 W (NAD 27)

47-51-51.6 N 122-02-02.9 W (NAD 83)
Antenna AGL 8 m
Antenna Ground 30 m Antenna
COR 38
HAAT 71 m

Structure Building + mast
Building 4 m
Mast 4 m
Total 8 m

Power 8 w ERP

Antenna

Model Antenna: Sigma Euro-Comm Vertical Dipole
Coax 50 ft LMR-400
Gain Unity (0 dB)
TPO 10 watts
Loss 0.714 dB = 1.52 watts
ERP 8.48 watts (rounded) = 8 watts

NEIR Note

A worst-case scenario emitter antenna was used to gauge the maximum RF for the proposal in OET program FM Model for Windows. The maximum predicted RF exposure was less than 5% of the FCC Maximum Permissible Exposure (MPR) for 200 $\mu\text{W}/\text{cm}^2$ for uncontrolled environments. 47 CFR 1.1307(b)(30) exempts applicants from preparing an Environmental Assessment when predicted exposure levels would be less than 5%.