

Exhibit 4.1
ENGINEERING REPORT
Requesting
Engineering Special Temporary Authorization for
KFLT-FM – Tucson, Arizona
BLED-20050902AAH
Channel 203A (88.5 MHz)

December, 2015

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(Exhibit numbering is in response to FCC Online Form)

DISCUSSION OF REPORT

On the afternoon of October 15, 2015, the portion of the tower (Antenna Structure Registration Number 1002127) which supported the transmission antenna utilized by KFLT-FM (Facility ID 81952) was severely damaged by an unknown cause and fell to the ground. On October 22, 2015 Family Life Broadcasting, Inc., licensee of KFLT-FM, submitted a Notification of Suspension of Operations with the Commission.

An exhaustive search for a temporary site that would serve the maximum number of people within our authorized service contour immediately commenced. Recently, we came to an agreement to rent some land, upon which we are prepared to install a temporary 100' tower and transmission facility. The period of the temporary use of this facility should not exceed sixteen months. A summary of the specifications of the temporary facility is shown in **Exhibit 4.2** of this application.

A showing that the proposed temporary 60-dBu f[50,50] Service Contour is within the authorized Service Contour is shown in **Exhibit 4.3a**. The location of proposed temporary tower in relation to the two closest airports is shown in **Exhibit 4.3b**. As can be easily seen, the distance to the closest runway of each of these airports exceeds 20,000 feet and the proposed construction is well within an "imaginary surface extending outward and upward of 100 to 1 for a horizontal distance of 20,000 feet from the nearest point of the nearest runway" per §17.7(b)(1) of the Commission's Rules. However, as a courtesy we submitted a Notice of Proposed Construction or Alternation – Off Airport to the FAA. It was accepted for consideration as Aeronautical Study Number 2015-AWP-12668-OE.

In order to examine potential interference from this temporary facility, a series of exhibits (4.4a – 4.4f) are included in this application. **Exhibit 4.4a** is the Tabulation of CH203A Non-Commercial Allocation showing two stations that have the potential to experience interference from the proposed facility. As can be seen in **Exhibit 4.4b**, the proposed temporary facility will provide second adjacent overlap of its 100-dBu f[50,10] contour within the KLTU 60-dBu f[50,50] contour. However, the Special Operating Condition or Restriction 3 of the KLTU Station License (BPED-20090824AGF) states, "Further modification of KFLT-FM, AZ (Facility ID# 81952) will not be construed as a per se modification of KLTU's authorized facility. (See Educational Information Corporation, 6 FCC Rcd. 2207 (1991))." **Exhibit 4.4c** shows second adjacent overlap of the proposed temporary facility's 100-dBu f[50,10] contour within the KUAZ-FM 60-dBu f[50,50] contour. There are 2,098 people within this potentially affected area. A Longley-Rice signal study of the proposed temporary facility and KUAZ-FM shows a very small area within the proposed KFLT-FM temporary facility's 100-dBu f[50,10] contour where interference might occur. However, upon showing of confirmed actual interference to KUAZ-FM listeners, KFLT-FM will be turned off-the-air.

Contour protection of co-channel KLKA (FM) from the proposed temporary facility is shown in **Exhibit 4.4d**. Contour protection toward two CH204B Mexican allocations (AL6570 and AL0527) in the records is shown in **Exhibit 4.4e** and **Exhibit 4.4f** respectively.

This proposal for a temporary KFLT-FM broadcast facility will not have a significant environmental impact in that: a) it proposes construction of a temporary antenna support structure on wheels per Appendix B, Section iii, Subpart C of the NHPA Section 106¹; b) it proposes RF radiation on the ground well below the 200.00 μWcm^2 limit for Un-Controlled areas as shown in **Exhibit 3.1**; and c) it complies with the Commission's rules under §1.1306(b). The facility is properly marked with signs, and entry is restricted by means of fencing with locked doors and/or gates. Any other means as may be required to protect employees and the general public will be employed.

The remainder of the information in this report and exhibit numbering is responsive to the Rules of the Commission, and provides the data for FCC Engineering STA form. FCC NGDC 30 Second terrain data was applied in the calculations utilized throughout this application.

In the event work would be required in proximity to the antenna such that the person or persons working in the area would be potentially exposed to fields in excess of the guidelines set forth in OET Bulletin No. 65 (Edition 97-01), the transmitter power will be reduced or the station will cease operating during the critical period.

¹ NHPA Appendix B, Section iii, Subpart C: "Construction of any temporary communications Tower, Antenna structure, or related Facility that involves no excavation or where all areas to be excavated will be located in areas described in Section VI.D.2.c.i. below, including but not limited to the following:

1. A Tower or Antenna authorized by the Commission for a temporary period, such as any Facility authorized by a Commission grant of Special Temporary Authority ("STA") or emergency authorization;
2. A cell on wheels (COW) transmission Facility;
3. A broadcast auxiliary services truck, TV pickup station, remote pickup broadcast station (e.g., electronic newsgathering vehicle) authorized under Part 74 or temporary fixed or transportable earth station in the fixed satellite service (e.g., satellite newsgathering vehicle) authorized under Part 25;
4. A temporary ballast mount Tower;
5. Any Facility authorized by a Commission grant of an experimental authorization. For purposes of this Section III.C., the term "temporary" means "for no more than twenty-four months duration except in the case of those Facilities associated with national security."