FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET, SW
WASHINGTON, DC 20554

MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/mb/audio/

PROCESSING ENGINEER: Susan N. Crawford
TELEPHONE: (202) 418-2754
GROUP FACSIMILE: (202) 418-1411
INTERNET ADDRESS: Susan.Crawford@fcc.gov

February 4, 2014

Gary Kline
SVP Corporate Director of Engineering & IT
Cumulus Radio
3280 Peachtree Road NW
Suite 2300
Atlanta, GA 30305

Re: KTUC(AM), Tucson, Arizona
Radio License Holding CBC, LLC
Facility ID Number 35684
File No. 20140122AGY

Request for Experimental Authority

Dear Mr. Kline:

This letter is in reference to the request filed January 22, 2014, on behalf of Radio License Holding CBC, LLC ("RLH CBC"), for an experimental authorization to conduct testing of all-digital AM transmission as defined in the NRSC-5-B IBOC Digital Radio Broadcasting Standard.[1] RLH CBC is the licensee of Station KTUC(AM), Tucson, Arizona, and it proposes to conduct the experimental operation using the Station KTUC(AM) licensed daytime and nighttime facilities. RLH CBC requests that the experimental authorization be effective for a period of 90 days.

Station KTUC(AM) is a Class C AM station licensed to operate on 1400 kilohertz ("kHz") at Tucson, Arizona, with 1.0 kilowatt (kW) nominal power and a nondirectional antenna system at all times.[2] RLH CBC states that the all-digital testing will be conducted in conjunction with the National Association of Broadcasters, and proposes no changes to the to the licensed Station KTUC(AM) antenna system or transmitter for the tests. RLH CBC further states that it believes that the results of the testing will be of significant value to the broadcast industry because it will be the first testing of all-digital operation on a Class C AM station, and all-digital AM transmission "could quite conceivably provide a solution to many of the numerous technical challenges currently plaguing the service."

Our review indicates that the proposed experimental operation meets the requirements of Section 5.203 of the Commission's Rules,[3] and is not likely to cause interference to any other station. We find that the public interest would be served by the knowledge gained through further testing of all-digital

---

[1] National Radio Systems Committee NRSC-5-B, In-band/on-channel Digital Radio Broadcasting Standard, April 2008.

[2] FCC File Number BML-20070820AGW. Station KTUC(AM) may operate with lesser daytime and nighttime power during the experimental operation, if deemed appropriate for the tests.

[3] 47 C.F.R. § 5.203.

AM operation. Although the analog AM broadcast service provided by Station KTUC(AM) must be discontinued during the time that the all-digital AM transmission system is being tested, the Tucson community is well served by other AM and FM radio stations.

Accordingly, the request for experimental authority IS HEREBY GRANTED. Station KTUC(AM) may operate with an all-digital AM signal as described above. Operation under this authority shall be terminated if complaints of interference are received, unless the interference can be eliminated immediately by power reduction or other means. RLH CBC shall employ whatever means are necessary to prevent excessive exposure of workers or the public to radio frequency radiation, pursuant to Section 1.1310 of the Commission's Rules.[4] Within 60 days following completion of the experimental operation authorized herein, RLH CBC shall file a full report detailing the research, experimentation and results of the testing with the Commission, pursuant to Section 5.203(d) of the Commission's Rules.[5]

This authorization expires on **May 5, 2014**.

Sincerely,

Susan N. Crawford
Assistant Chief
Audio Division
Media Bureau

cc: Gary Kline (via email)
Mark N. Lipp, Esq. (via email)
David H. Layer (via email)

[4] 47 C.F.R. § 1.1310.

[5] 47 C.F.R. § 5.203(d).