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ENGINEERING STATEMENT

IN SUPPORT OF A REQUEST

BY

KSE RADIO VENTURES, LLC

LICENSEE OF FM BROADCAST STATION KIMN(FM) – DENVER, COLORADO

FOR

AUTHORITY TO OPERATE KIMN(FM) WITH DIGITAL POWER

AT – 10 DBC OF LICENSED ANALOG POWER

Prepared by:

Robert M. Smith Jr.

January 4, 2017

PURPOSE AND SCOPE

The informal application, of which this Statement is a part, requests authority to operate KIMN(FM), 262C0, Denver, CO (File No. BLH-20151223ADT) with digital power at 10 dB below the licensed analog power level.

F.C.C. REQUESTED INFORMATION

1. The analog and digital transmissions utilize a common directional antenna.
2. The IBOC facilities conform to the iBiquity specifications except for the increased digital ERP.
3. In the event of interference, the Commission should contact:

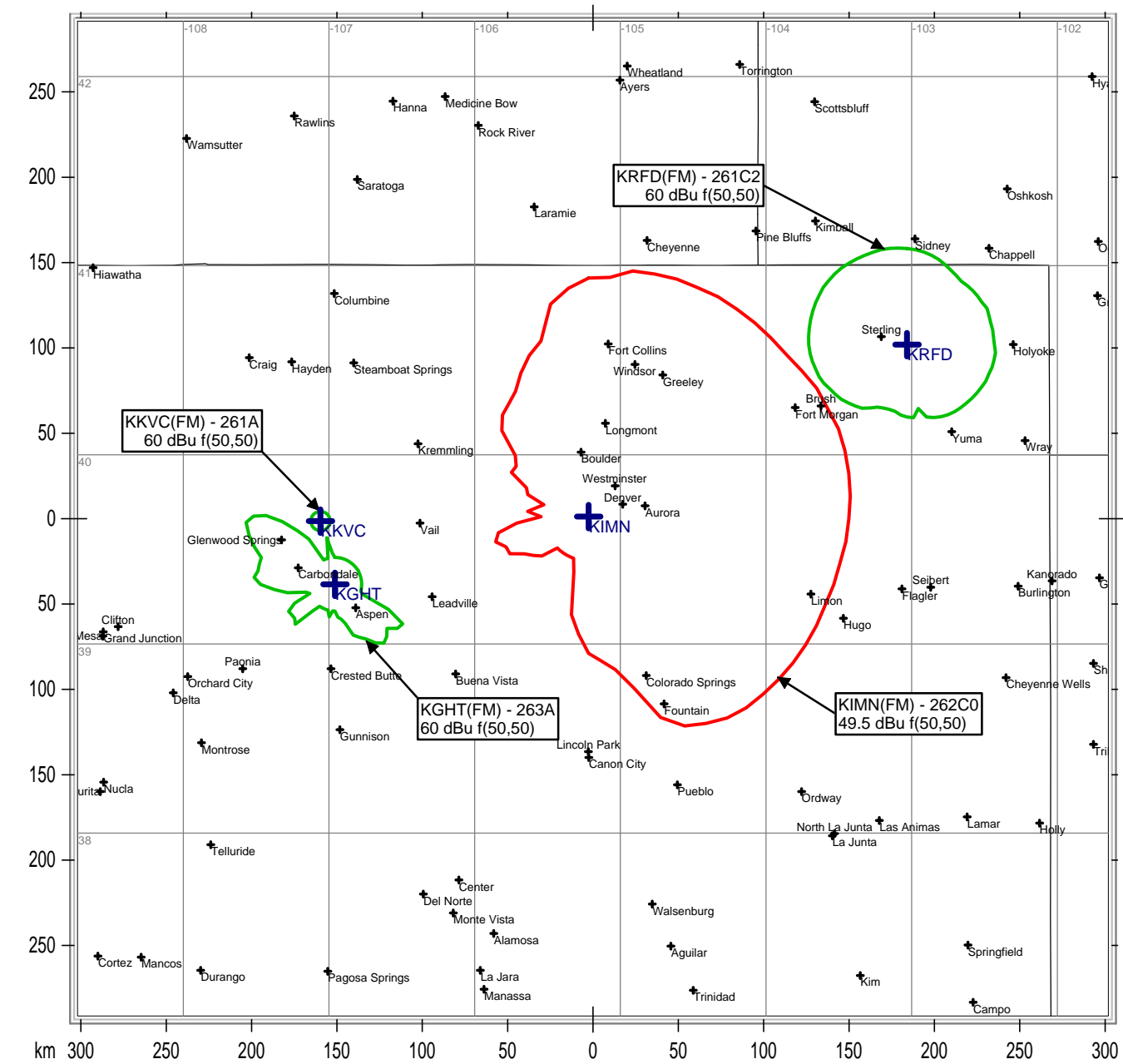
Barry Thomas, Chief Engineer – KIMN(FM)
303-228-2041
Barry.Thomas@KSEradio.com
4. The licensed analog transmitter power output is 14.34 kW. The requested digital transmitter output power is 1.43 kW. The same transmitter is utilized for analog and digital transmission with a combined power output of 15.77 kW.
5. The licensed analog ERP is 98.6 kW (DA-Max). The requested digital ERP is 9.9 kW (DA-Max).
6. A recently completed survey of the RF field strengths in the vicinity of the KIMN(FM) antenna showed the maximum field to be less than 5% of the General Population MPE in areas accessible by the public. The proposed operation will not raise those fields above the MPE limit. This proposed operation is categorically excluded from environmental processing pursuant to Section 1.1306(b) of the Commission's Rules.
7. A search of the F.C.C. CDBS revealed three first-adjacent channel FM facilities that required analysis of potential contour overlap. Those facilities are KKVC(FM), 261A, Dotsero, CO; KRFD(FM), 261C2, Fleming, CO; and KGHT(FM), 263A, El Jebel, CO.

As shown on the attached Figure 1, the KIMN(FM) 49.5 dBu f(50,10) contour does not overlap the 60 dBu f(50,50) contour of any of the studied facilities. KIMN(FM) is eligible for digital operation at -10 dBc.

A handwritten signature in black ink, appearing to read "Robert M. Smith Jr.", with a stylized, cursive script.

Robert M Smith Jr.
January 4, 2017

REQUEST FOR -10 DBC DIGITAL POWER LEVEL



KIMN(FM) - 262C0 - DENVER, CO

State Borders Lat/Lon Grid