TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
LPTV STATION KSFE-LP
FACILITY ID 49038
McALLEN, TEXAS
CH 67 150 KW

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of an application for construction permit for LPTV station KSFE-LP at McAllen, Texas (Facility ID: 49038). Station KSFE-LP is currently licensed (BLTTL-19980421JC) to operate on channel 67 (788-794 MHz) with no carrier frequency offset, a nondirectional antenna maximum effective radiated power of 12.7 kilowatts (kW) and an antenna radiation center height above mean sea level (RCAMSL) of 116 meters. This instant application proposes to change transmitter site, increase the ERP to 150 kW, and increase the RCAMSL to 172 meters. No other changes are proposed, including no change in channel, frequency offset designation, antenna system or community of license (McAllen). The instant application is considered a “minor change” in facilities pursuant to Section 73.3572.

It is proposed to operate on channel 67 with no carrier frequency offset with a nondirectional antenna maximum ERP of 150 kW towards any angle. The antenna will be mounted at the 142 meter level on the existing 152 meter tower resulting in an antenna radiation center height above mean sea level of 172 meters.

Antenna Structure Registration

As noted above, KSFE-LP proposes to side-mount the nondirectional antenna at the 142-meter level on an existing 152 meter tower. The antenna registration number for this tower is 1053092.

Minor Change Application

Figure 1 depicts the licensed and herein proposed 74 dBu contours for KSFE-LP. As indicated, the proposed 74 dBu contour encompasses all of the licensed 74 dBu contour.

Therefore, the proposed modification is considered a "minor" change in facilities pursuant to Section 73.3572.

Response to Paragraph 13 (Interference)

The proposed facility complies with all the following applicable rule Sections: Sections 74.705, 74.706, 74.707, 74.708, 74.709 and 73.710.

US/Mexican Coordination

KSFE-LP is located 20 km north of the US/Mexican border area. Therefore, Mexican coordination is respectfully requested.

Environmental Considerations

The proposed KSFE-LP LPTV facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation". The calculated power density at the base of the tower was calculated using the appropriate equation of the Bulletin.

Using a conservative vertical plane relative field value of 0.4 at depression angles towards the tower base (-60° to -90° elevation), a peak visual effective radiated power of 150 kW, 10 percent aural power, and an antenna center of radiation height above ground level of 142 meters, the calculated power density at 2 meters above ground level at the base of the tower is 0.0204 milliwatts per square centimeter (mW/cm^2), or 3.9 percent of the Commission's recommended limit of 0.53 mW/cm^2 for TV channel 67 applicable to general population/uncontrolled exposure areas

Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work

over a longer period of time, wearing “accepted” RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

Finally, it is noted that this technical exhibit only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already has been provided to the FCC by the tower owner.

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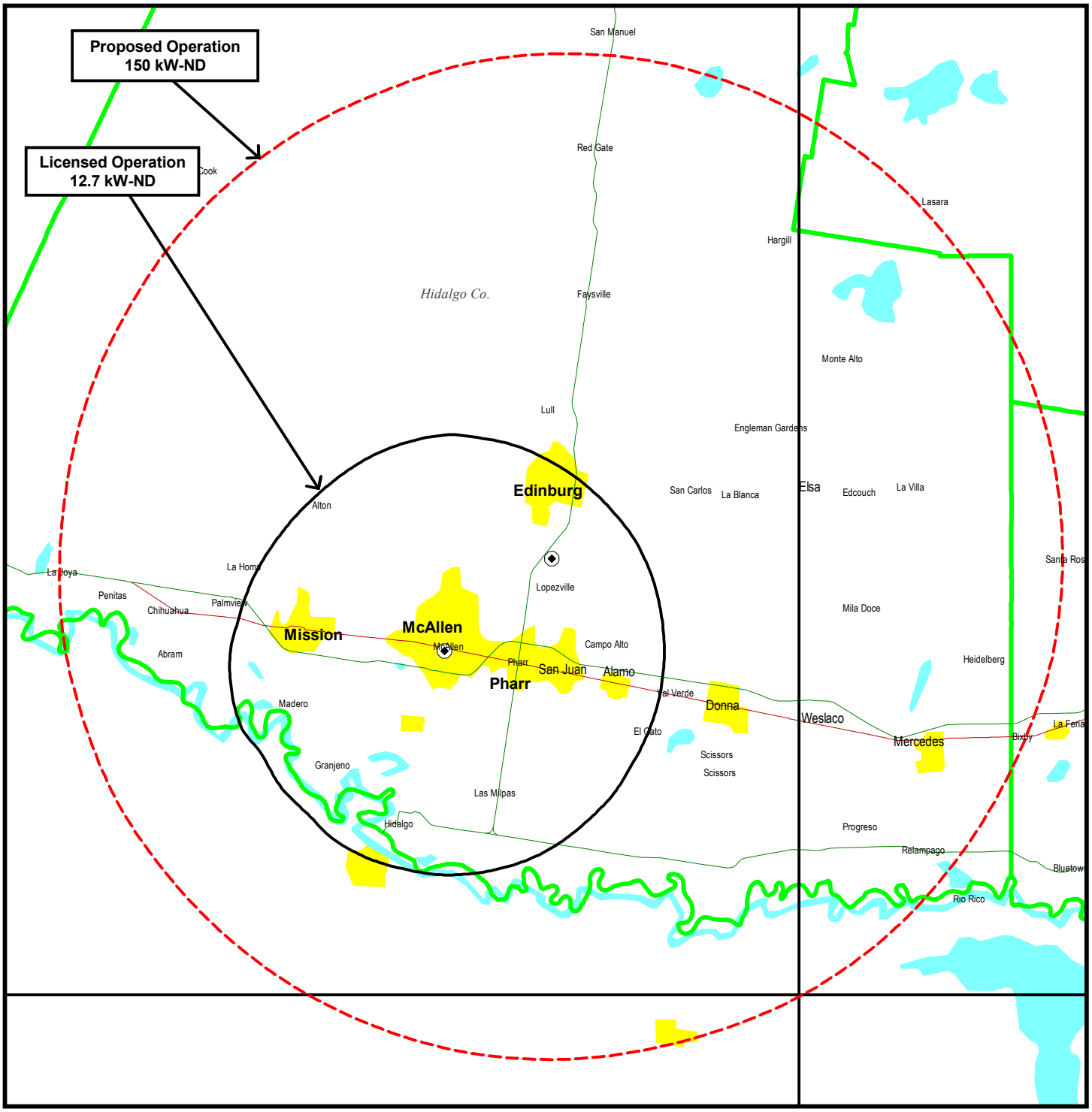
Figure 1



PREDICTED 74 DBU CONTOURS

LPTV STATION KSFE-LP
MCALLEN, TEXAS
CHANNEL 67

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