

**Interference and Coverage Analysis
KSKY(AM) Emergency FM Repeater Station
Channel 225, 800 watts ERP, 270 meters AMSL
Dallas, Texas, Area**

Attached as Exhibit 1 is a map which shows the KSKY(AM), Balch Springs, Texas (660 kHz), licensed 5.0 mV/m nighttime interference-free (NIF) service contour and the KSKY(AM) NIF contour as reduced by cochannel interference from illegal operations at Mexican stations XEDTL, San Lorenzo Tezoneo, DF and XEEY, Jalpa, ZA. The Mexican stations are notified to and accepted for nighttime operation with power levels limited to 1.0 kW. However, both stations appear to be operating with a nighttime power level on the order of 50 kW. Mitigation efforts of both the FCC and KSKY(AM) with the Mexican government and the offending stations have been unsuccessful. Therefore, the applicant herein seeks extraordinary relief from the interference by proposing to re-transmit the KSKY(AM) programming on three low power FM repeaters throughout the KSKY(AM) nighttime loss area to restore lost KSKY(AM) service to the public.

The applicant has identified three suitable frequencies and three existing tower sites for the proposed FM repeaters. Further, the FM repeater's technical facilities have been specifically designed to provide fill-in service only and to operate only on a non-interfering basis. As shown on Exhibit 1, the proposed FM repeater's 60 dBu (1.0 mV/m service contour) will not extend beyond the present KSKY(AM) nighttime service contour. As demonstrated below, the proposed FM facility is predicted to cause no actual interference due to lack of population within a minimal interference area.

The proposed transmitter site is located within the protected contour of second-adjacent channel, full service stations KZPS(FM), Dallas, TX (Channel 223C) and KDBN(FM), Haltom City, TX (Channel 227C2). Consequently, the proposed interfering contour is located with the KZPS and the KDBN protected contour resulting in contour overlap.¹ In addition, the proposed facility will cause prohibited contour overlap to the following pending applications for new FM translator stations, which were filed in 2003:

- Channel 225D, Cedar Hill, TX, FCC File No. BNPFT-20030314ADF
- Channel 225D, Lewisville, TX, FCC File No. BNPFT-20030314BDY
- Channel 225D, Mansfield, TX, FCC File No. BNPFT-20030310BIB

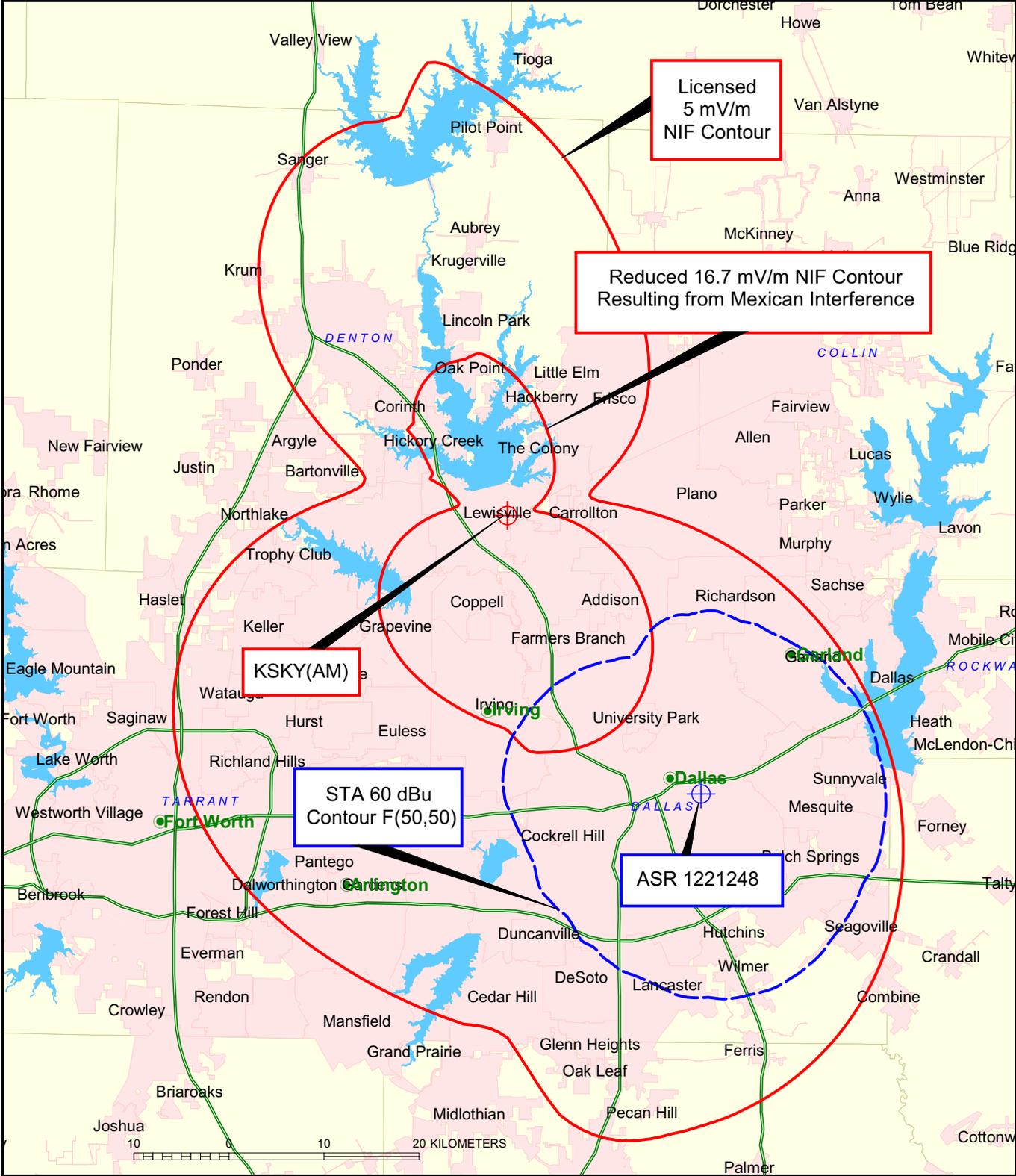
With respect to the full-service stations listed above, the instant proposal is acceptable because no interference will be caused to either station because any small area of predicted interference caused is unpopulated. At the proposed transmitter site, the worst-case (lowest) field strength for either KZPS or KDBN was found to be 80.6 dBu F(50,50). Therefore, in the vicinity of the proposed second-adjacent FM repeater, the worst-case interfering contour is the 120.6 dBu contour. According to free space

¹ Although an FM Translator station as defined in Section 74.1201 of the FCC Rules is not specifically proposed herein, for the purpose of the instant interference analysis, the relevant protected and interfering contours are as defined in Section 74.1204 of the FCC Rules.

calculations, the FM repeater's predicted 120.6 dBu contour will extend only 185 meters from the proposed transmitter site.

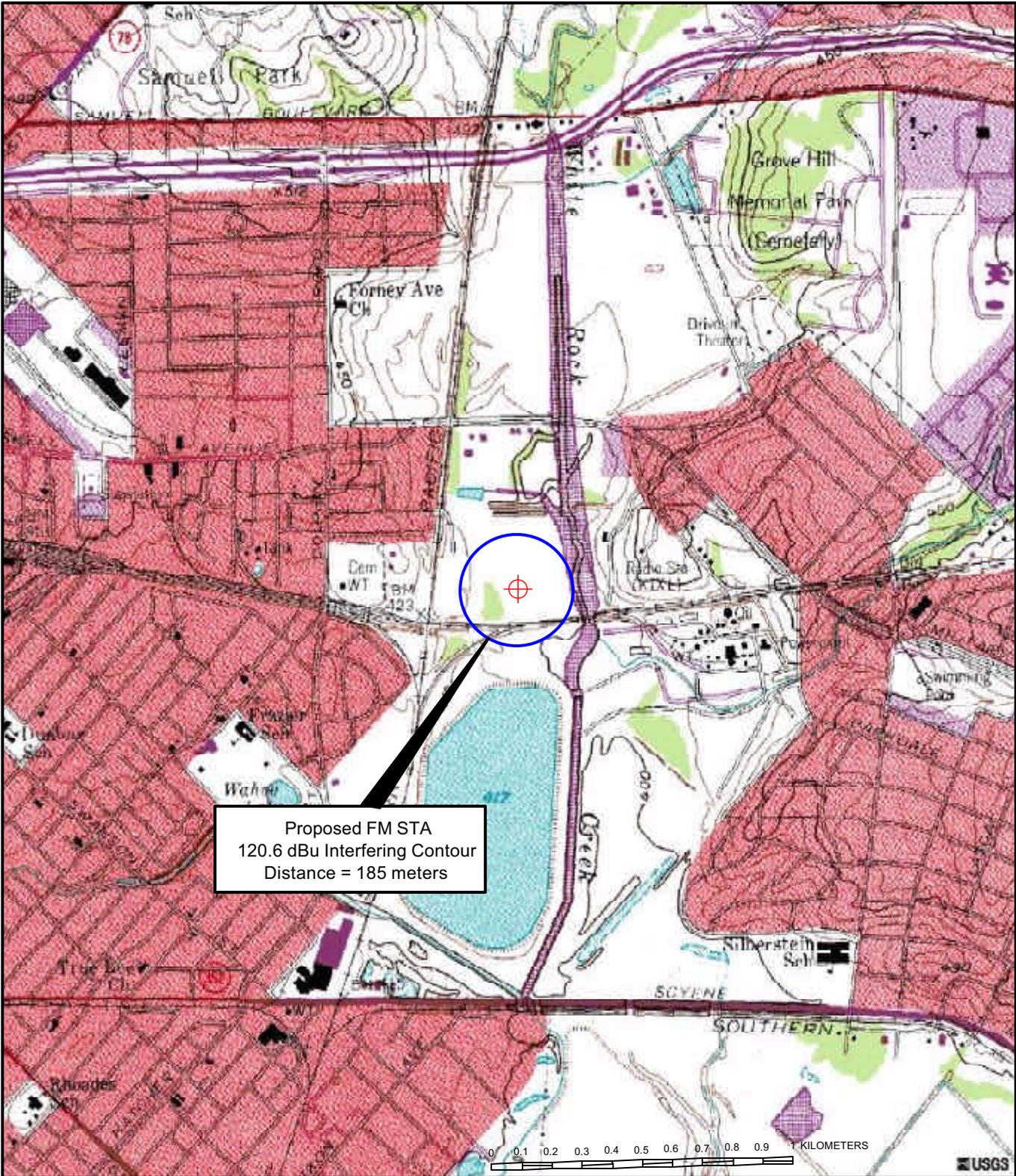
Exhibit 2 (attached) is a topographic map which depicts the proposed transmitter site, the surrounding vicinity and the 120.6 dBu interfering contour. As demonstrated on Exhibit 2, the proposed transmitter site is uniquely situated in an area removed from the surrounding population. There are no housing units and no population within the proposed 120.6 dBu interfering contour. Therefore, the proposed facility will cause no interference to any population presently served by KZPS or KDBN.

With respect to the pending applications for new FM translator stations listed above, the Applicant recognizes that in the event any of the FM translator stations proposed in the pending applications become operational, the emergency KSKY(AM) FM repeater station specified herein will be required to immediately cease operation.



KSKY(AM), Balch Springs, TX
660 kHz, 20 kW Day/0.7 kW Night, DA-2

*KSKY(AM) Nighttime Loss Area and
Proposed Temporary FM Fill-In Facility
60 dBu (1.0 mV/m) Coverage Contour
Ch. 225, 800 watts ERP, RCAMSL = 270 meters
June, 2008*



MAP OF TRANSMITTER SITE
AND SURROUNDING VICINITY
PROPOSED FM STA FACILITY
CHANNEL 225, 800 watts, 270 m RCAMSL
JUNE, 2008