

KUDE(FM)
Nephi, UT
Proposed Minor Modification
Of Permitted Facility

Application Overview:

In MB Docket 02-290, Channel 256C was added at Nephi, UT, for use by KUDE(FM). The licensee has been unsuccessful in implementing the Report and Order in that docket as another station upon which KUDE(FM)'s permit authorized in BPH-20101220ABB is conditioned has not, itself, implemented its channel change (KNYN(FM) Fort Bridger, WY). In the interim, the tower site permitted in the authorization noted above has become unavailable for KUDE(FM). As such, in order to clean up the spectrum and move forward, the licensee respectfully requests a one-step downgrade to Channel 256A at Nephi, UT, for KUDE(FM) with the facilities proposed herein. The Class A facility would be fully spaced under Section 73.207 to the presently licensed KNYN(FM) facilities and, therefore, could commence operations on Channel 256. As such, KUDE(FM) (FCC Facility ID# 72769) proposes to modify its currently Permitted Facilities using the following parameters:

Tech Box:

Channel:	256
Class:	A
Antenna Coordinates:	N39-43-58, W111-56-35 (NAD 27)
Allotment Ref. Coordinates:	N39-43-58, W111-56-35 (NAD 27)
ASRN:	1210829
Tower Height AGL:	137.8 m
COR AMSL:	2050 m

COR AGL:	132 m
COR HAAT:	308 m
ERP:	0.63 kW
Directional Antenna:	No

Allotment Modifications:

Exhibit 1 is an allotment reference site channel spacings study for KUDE(FM) on Channel 256A at Nephi, UT, demonstrating that the proposed facility is fully spaced pursuant to Section 73.207 towards all other authorizations, allotments, and proposals from the following location:

Allotment Reference Coordinates: N39-43-58, W111-56-35 (NAD 27)

Allotment Site City-Grade Coverage:

In accordance with the city grade coverage requirements of Section 73.315, Exhibit 2 demonstrates that the proposed allotment site provides requisite coverage of KUDE(FM)'s community of license – Nephi, UT. As can be seen in the Exhibit, 100% of Nephi's community boundaries are encompassed by the theoretical 70 dBu, circle contour. Also, no terrain obstructions are located between the antenna site and the community.

Suitable Allotment Reference Site:

In accordance with Note 1 to Section 73.3573, the allotment reference site is located at a suitable location and is not offshore, in a national or state park, on an airport or otherwise in an

area which would necessarily present a hazard to air navigation. It is located at the proposed antenna site.

Antenna Site City-Grade Coverage:

Exhibit 4 demonstrates that the proposed facility's antenna site provides city grade coverage of KUDE(FM)'s community of license – Nephi, UT. As can be seen in the Exhibit, 100% of Nephi's community boundaries are encompassed by the F(50,50) 70 dBu contour of the proposed facility. Also, no major terrain obstructions are located between the antenna site and the community.

Interference Study (Fully Spaced):

Exhibit 5 is a channel spacings study demonstrating that the proposed antenna site is fully spaced towards all applications, authorizations, and permits pursuant to Section 73.207.

Downward Radiation Study (FM Model):

The proposed FM Facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin 65, Second Edition 97-01, August, 1997). The Commission's FM Model Power Density Prediction program was employed to determine the Field. Using the Phelps-Dodge "Ring Stub" Worst Case antenna with 1 sections and 1 wavelength spacing, and the AGL height and ERP proposed in this application, the highest predicted power density 2 meters above ground is less than 0.8% of the Uncontrolled Standard

with a Power Density of 1.5 microwatts per square centimeter 32.8 meters from the base of the tower.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

Existing Tower:

The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

Exhibit 1

Allotment Reference Site Channel Spacings Study

KUDE 256A Nephi, UT
Section 73.207 Channel Spacings Study

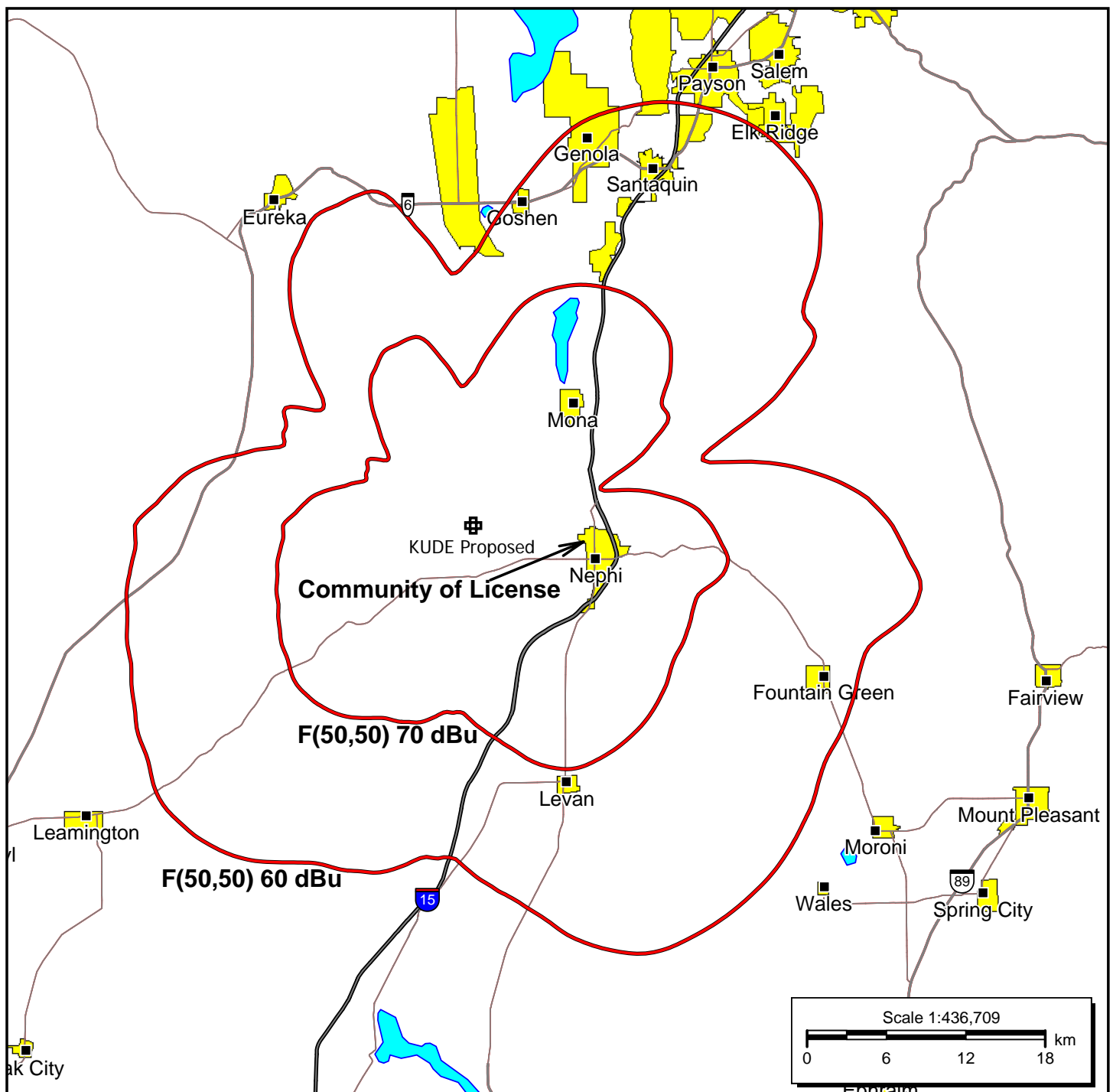
REFERENCE		DISPLAY DATES
39 43 58.0 N.	CLASS = A	DATA 05-31-16
111 56 35.0 W.	Current Spacings to 3rd Adj.	SEARCH 06-01-16
----- Channel 256 - 99.1 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
KUDE	CP 256C	Nephi	UT 84.3	31.50	225.5	-194.0
AL9950	RSV-A 256C	Nephi	UT 84.3	31.50	225.5	-194.0
KNYN	LIC 256C1	Fort Bridger	WY 25.6	200.15	199.5	0.7
KJMY	LIC 258C	Bountiful	UT 349.4	98.91	94.5	4.4
KBEE	LIC 254C	Salt Lake City	UT 349.4	98.95	94.5	4.5

RSV-R = reserved - needs protection, RSV-A = allocation
All separation margins include rounding

Exhibit 2

Allotment Reference Site City-Grade Coverage Map



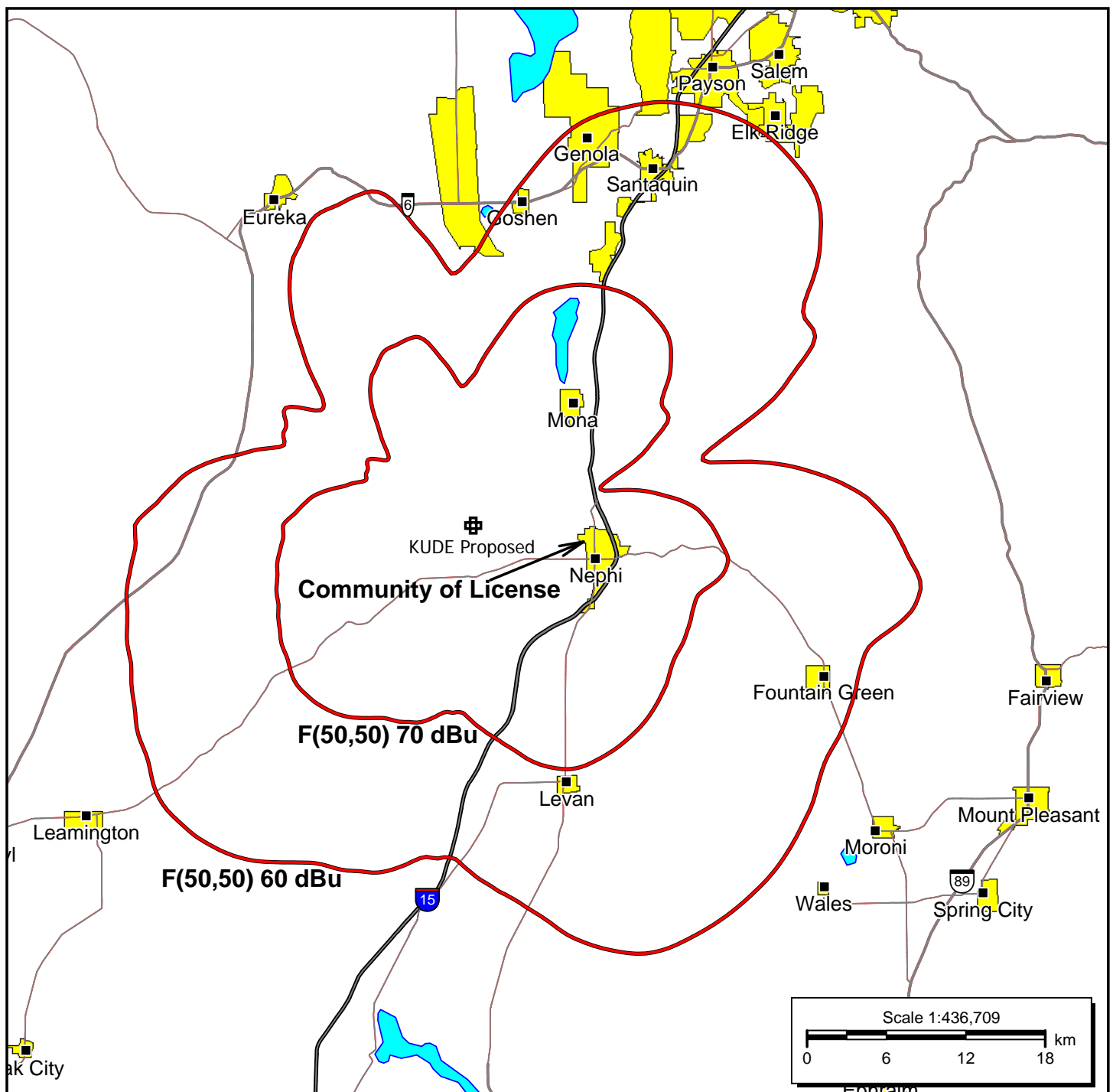
KUDE Proposed

Channel: 256A
Frequency: 99.1 MHz
Latitude: 39-43-58 N
Longitude: 111-56-35 W
COR AGL Height: 132.0 m
COR AMSL Height: 2049.5 m
Base Elevation: 1917.5 m
COR HAAT: 307.7 m
ERP: 0.64 kW
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 4

Proposed Antenna Site Contour Map:

**F(50,50) Protected Contour
F(50,50) City-Grade Contour**



KUDE Proposed

Channel: 256A
Frequency: 99.1 MHz
Latitude: 39-43-58 N
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COR HAAT: 307.7 m
ERP: 0.64 kW
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 5

Proposed Antenna Site Channel Spacings Study

KUDE 256A Nephi, UT
Section 73.207 Channel Spacings Study

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