

KLGL(FM)
Mount Pleasant, UT

Proposed Minor Modification
Of Licensed Facility

Application Overview:

KLGL(FM) (FCC Facility ID# 41895) proposes to modify its currently Licensed Facilities using the following parameters:

Tech Box:

Channel:	229
Class:	C
Antenna Coordinates:	N39-45-37, W111-34-38 (NAD 27)
ASRN:	N/A
Tower Height AGL:	61 m
COR AMSL:	2812 m
COR AGL:	54 m
COR HAAT:	684 m
ERP:	Horizontally Polarized 74 kW

Antenna Site City-Grade Coverage:

Exhibit 4 demonstrates that the proposed facility's antenna site provides city grade coverage of KLGL(FM)'s community of license – Mount Pleasant, UT. As can be seen in the Exhibit, 100% of Mount Pleasant'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 instant facility shall be combined with the licensed facilities of KUDE(FM) at 74 kW, and KAUU(FM) at 48 kW yielding a summed ERP of 196 kW. 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 10 sections and 0.5 wavelength spacing, and the AGL height and summed ERP, the highest predicted power density 2 meters above ground is less than 5% of the Uncontrolled Standard with a Power Density of 9.65 microwatts per square centimeter 520 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:

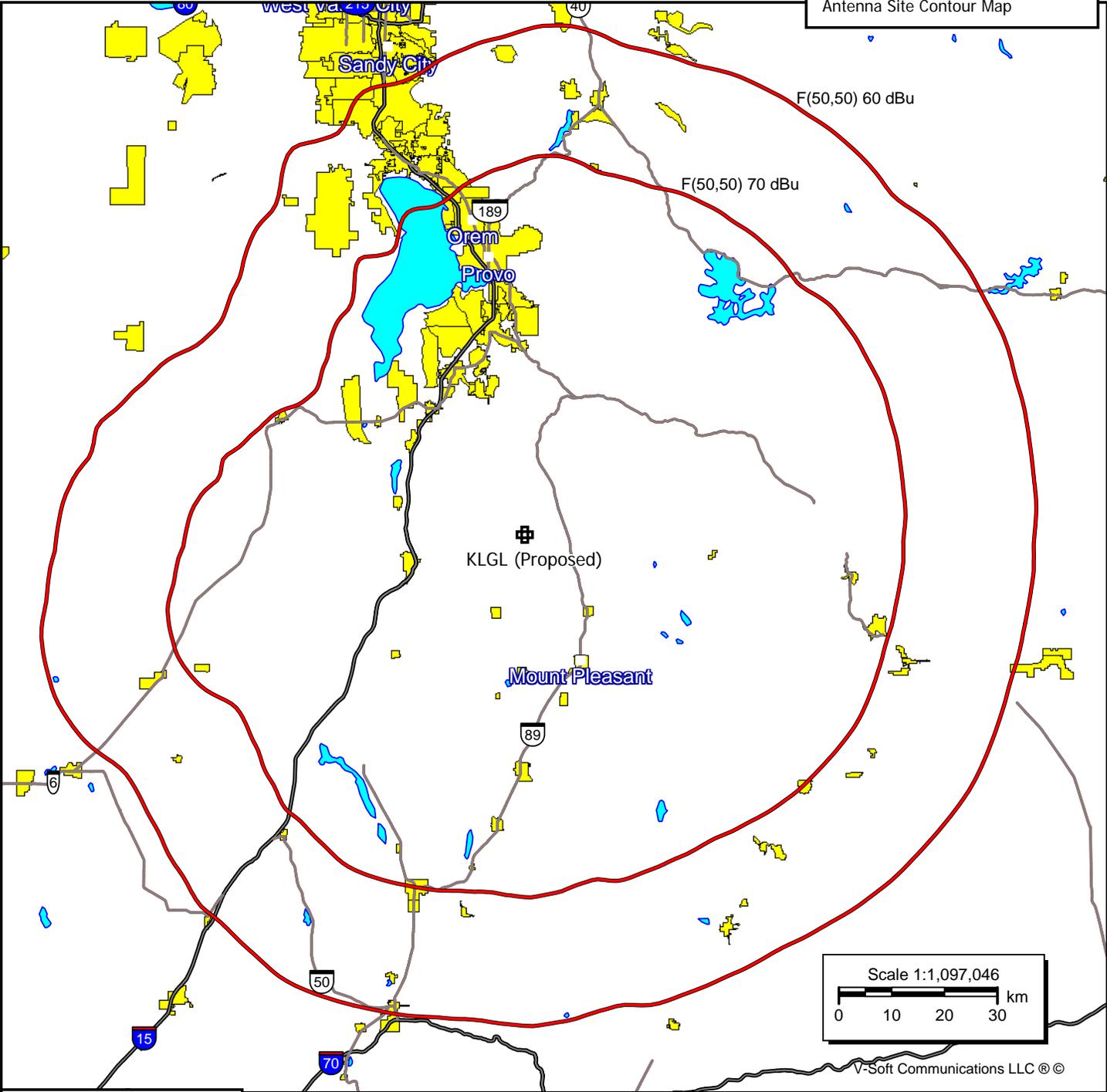
The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

Exhibit 4

Proposed Antenna Site Contour Map:

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

KLGL(FM) 229C Mount Pleasant, UT
Antenna Site Contour Map



KLGL (Proposed)

Channel: 229C
Frequency: 93.7 MHz
Latitude: 39-45-37 N
Longitude: 111-34-38 W
COR AGL Height: 54.0 m
COR AMSL Height: 2812.0 m
Base Elevation: 2758.0 m
COR HAAT: 684.0 m
ERP: 74.00 kW
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 5

Proposed Antenna Site Channel Spacings Study

KLGL(FM) 229C Mt. Pleasant, UT
 Section 73.207 Channel Spacings Study

REFERENCE
 39 45 37.0 N.
 111 34 38.0 W.

CLASS = C
 Current Spacings to 3rd Adj.
 Channel 229 - 93.7 MHz

DISPLAY DATES
 DATA 12-02-10
 SEARCH 12-02-10

Call	Channel	Location		Azi	Dist	FCC	Margin
AL1834	RSV-A 229C	Mount Pleasant	UT	124.1	25.6	289.5	-263.9
Of Note: Channel 229C was added at Mount Pleasant, UT, if MB Docket 04-258 for use by KLGL(FM).							
KLGL	LIC 229C	Richfield	UT	198.7	51.5	289.5	-238.0
Of No Concern: Facility's current authorization.							
KUBL-FM	LIC 227C	Salt Lake City	UT	332.3	113.1	104.5	8.6
KODJ	LIC 231C	Salt Lake City	UT	332.3	113.1	104.5	8.6
AL9088	VAC 228A	Manila	UT	48.4	208.4	164.5	43.9

 RSV-R = reserved - needs protection, RSV-A = allocation.