

## Exhibit 2 - Change K211CP to Ch. 213

### ENGINEERING STATEMENT FOR CONTOUR OVERLAP

#### COORDINATED APPLICATIONS

Translator K211CP serves the rural areas of Emery County, UT and provides the input signal to translator K218AA. However sporadically, the signal from KUER-FM which also broadcasts on channel 211 (90.1 Mhz.) comes into this area with interference resulting. It is proposed to change the output channel from 211 to 213.

The University of Utah is simultaneously filing an application to change translator K213BC to channel 215 to clear the way for translator K211CP to change channel to 213.

#### CONTOUR OVERLAP

The FCC's CDBS data base was searched for FM stations from third adjacent above to third adjacent below. Those FM stations found had contours drawn on an electronic map to check for contour overlap. None was found except for K215BY. See Exhibit 2 Attachment A.

The critical area where interference would be generated is near the common FM translator site. K215BY's signal is essentially the same in ERP as that of K211CP when it begins operation on channel 213. Therefore, the 100 dBu contour was placed on the map and its radius was determined to be 0.22 km. Additionally, the 67 dBu contour of K211CP on channel 213 was placed on the map. This shows the approximate difference in signal levels between the two FM translator stations is about 7 dB outside of the 100 dBu contour. See Exhibit 2 Attachment B.

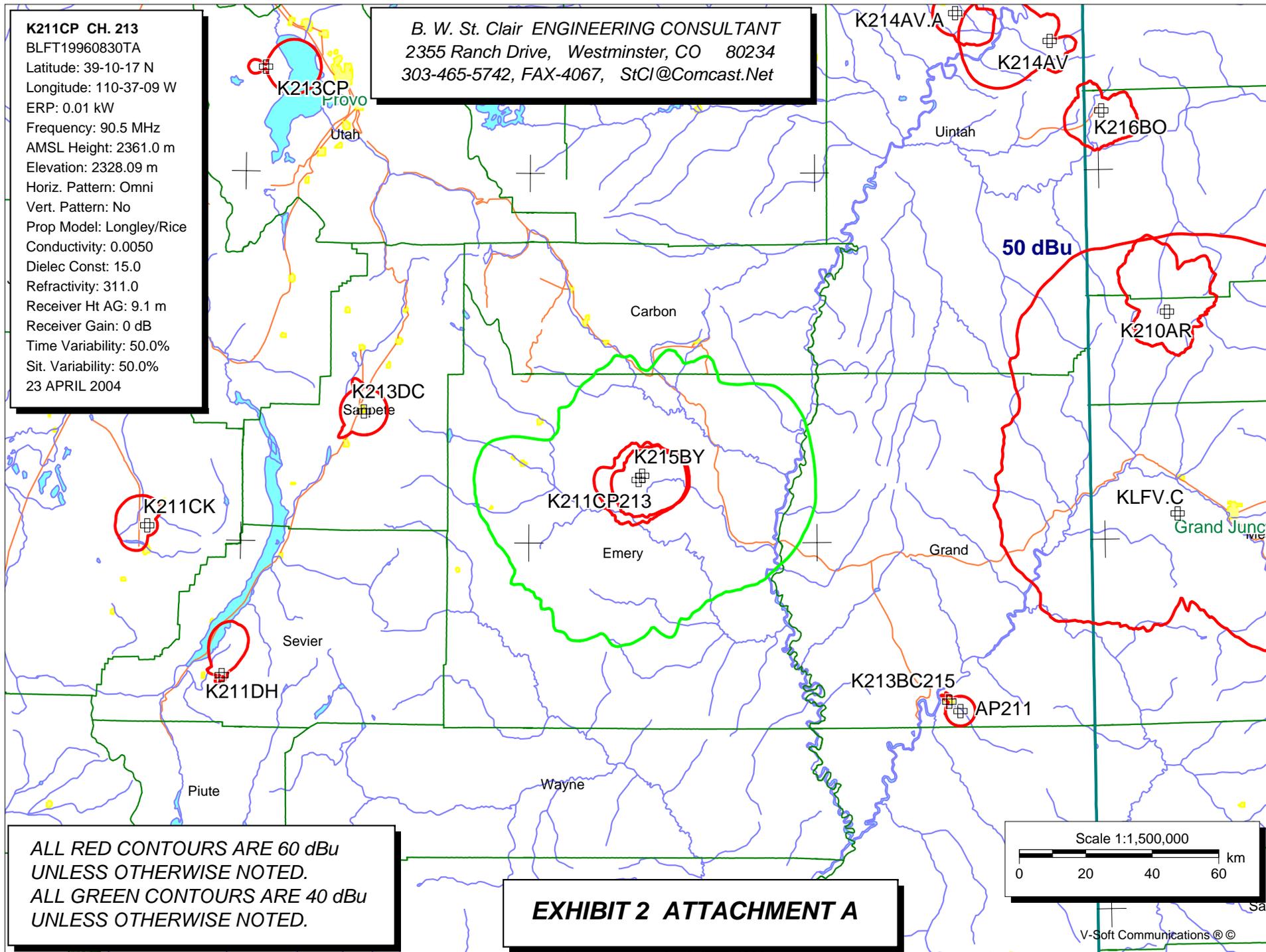
The K211CP FM translator is located on an isolated mountain top which serves as a communications site and there are no people living on the mountain top within the 100 dBu contour.

Therefore, the University of Utah requests a change of K211CP to channel 213 since it complies with provisions of §74.1204(d).

Prepared By:  
Gordon Allison, Jr.  
28 April 2004

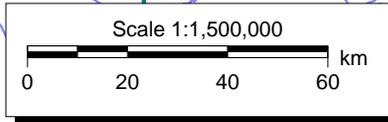
**K211CP CH. 213**  
 BLFT19960830TA  
 Latitude: 39-10-17 N  
 Longitude: 110-37-09 W  
 ERP: 0.01 kW  
 Frequency: 90.5 MHz  
 AMSL Height: 2361.0 m  
 Elevation: 2328.09 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Prop Model: Longley/Rice  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 311.0  
 Receiver Ht AG: 9.1 m  
 Receiver Gain: 0 dB  
 Time Variability: 50.0%  
 Sit. Variability: 50.0%  
 23 APRIL 2004

B. W. St. Clair ENGINEERING CONSULTANT  
 2355 Ranch Drive, Westminster, CO 80234  
 303-465-5742, FAX-4067, StCl@Comcast.Net



ALL RED CONTOURS ARE 60 dBu  
 UNLESS OTHERWISE NOTED.  
 ALL GREEN CONTOURS ARE 40 dBu  
 UNLESS OTHERWISE NOTED.

**EXHIBIT 2 ATTACHMENT A**



B. W. St. Clair ENGINEERING CONSULTANT  
2355 Ranch Drive, Westminster, CO 80234  
303-465-5742, FAX-4067, StCl@Comcast.Net

60 dBu (K211CP CH. 213)

67 dBu (K211CP Ch. 213)

K215BY

100 dBu

K211CP213

CEDAR MOUNTAIN  
COMMUNICATIONS SITE

60 dBu (K215BY)

**K211CP Ch. 213**  
BLFT19960830TA  
Latitude: 39-10-17 N  
Longitude: 110-37-09 W  
ERP: 0.01 kW  
Frequency: 90.5 MHz  
AMSL Height: 2361.0 m  
Elevation: 2328.09 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: Longley/Rice  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 311.0  
Receiver Ht AG: 9.1 m  
Receiver Gain: 0 dB  
Time Variability: 50.0%  
Sit. Variability: 50.0%  
25 April 2004

**EXHIBIT 2 ATTACHMENT B**

