

# EXHIBIT 13 – CHANNEL STUDY

## Compliance with Rules Section 74.1204

### Contour Protection

#### **KLBU Pecos, NM NEW GRANTS APPLICATION #1 NEW GRANTS APPLICATION #2**

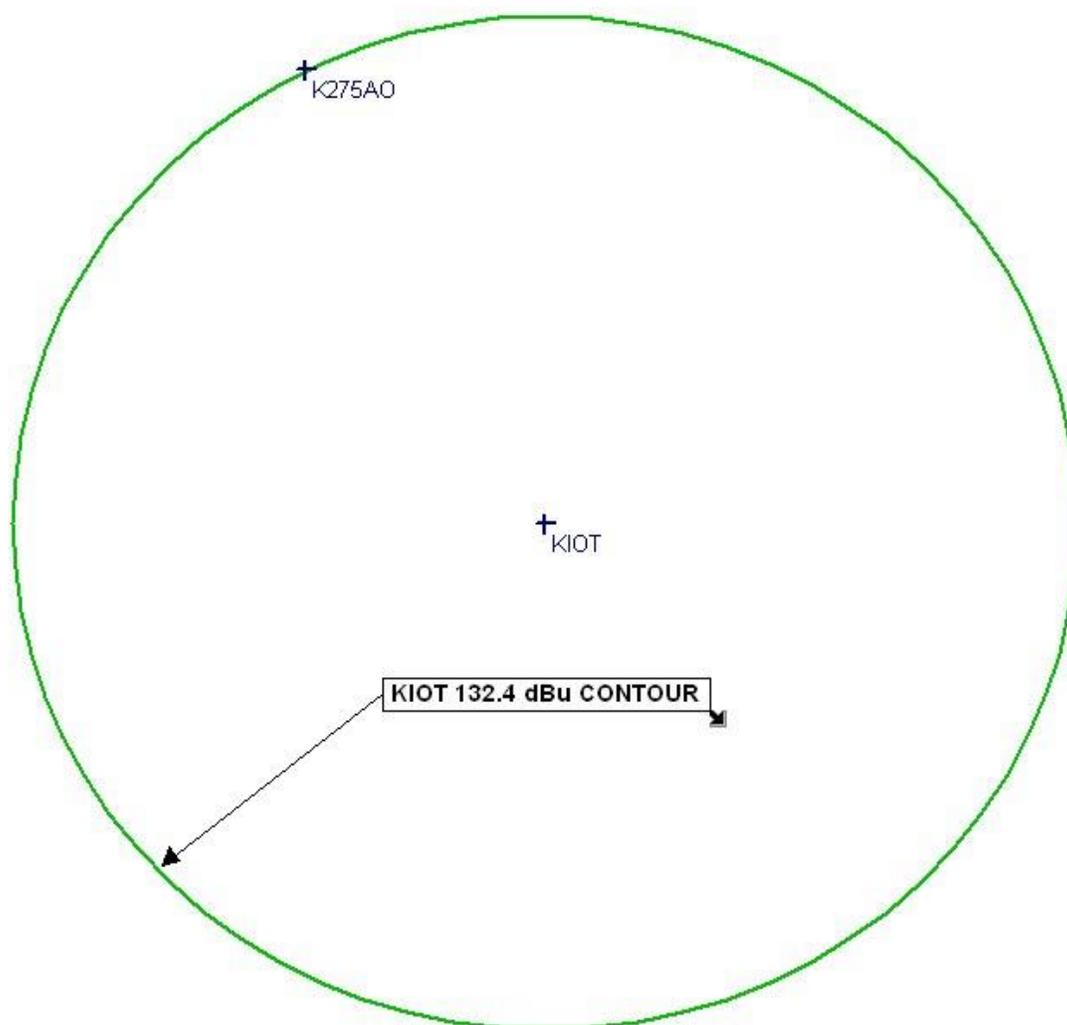
CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
K275BK	TAOS	NM 275 D	151.86	0.00	30.7	28.31 dB
K275BK	TAOS	NM 275 D	152.17	0.00	30.9	29.58 dB
KAZX	KIRTLAND	NM 275 C0	219.74	0.00	324.3	27.36 dB
KDRF	ALBUQUERQUE	NM 277 C	0.36	0.00	150.2	-56.80 dB
KDRF	ALBUQUERQUE	NM 277 C	0.34	0.00	153.9	-79.93 dB
KIOT	LOS LUNAS	NM 273 C	0.61	0.00	155.6	-55.24 dB
KIOT	LOS LUNAS	NM 273 C	19.58	0.00	218.2	10.12 dB
KIOT	LOS LUNAS	NM 273 C	0.45	0.00	153.3	-80.14 dB
KLBU	PECOS	NM 275 C3	96.02	0.00	58.0	27.19 dB
KLBU	PECOS	NM 275 C3	94.74	0.00	59.0	10.00 dB
KLBU-FM1	SANTA FE	NM 275 D	67.78	0.00	39.1	14.96 dB
KNFT-FM	BAYARD	NM 275 C1	308.88	0.00	212.7	34.01 dB
KRST	ALBUQUERQUE	NM 222 C	0.20	29.00	140.7	-28.8
KRST	ALBUQUERQUE	NM 222 C	0.20	29.00	140.7	-28.8
NEW #1	GRANTS	NM 275 D	131.23	0.00	266.3	5.46 dB
NEW #2	GRANTS	NM 275 D	132.57	0.00	265.7	3.51 dB

## EXHIBIT 13 – CHANNEL STUDY

### Compliance with Rules Section 74.1204 - KIOT

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KIOT, channel 273C, Los Lunas, NM. The predicted F(50-50) field strength of KIOT at the proposed translator site is 132.4 dBu, (see below). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 172.4 dBu. This interfering contour extends less than one meter from the proposed transmit antenna, and the area of overlap does not reach the ground.

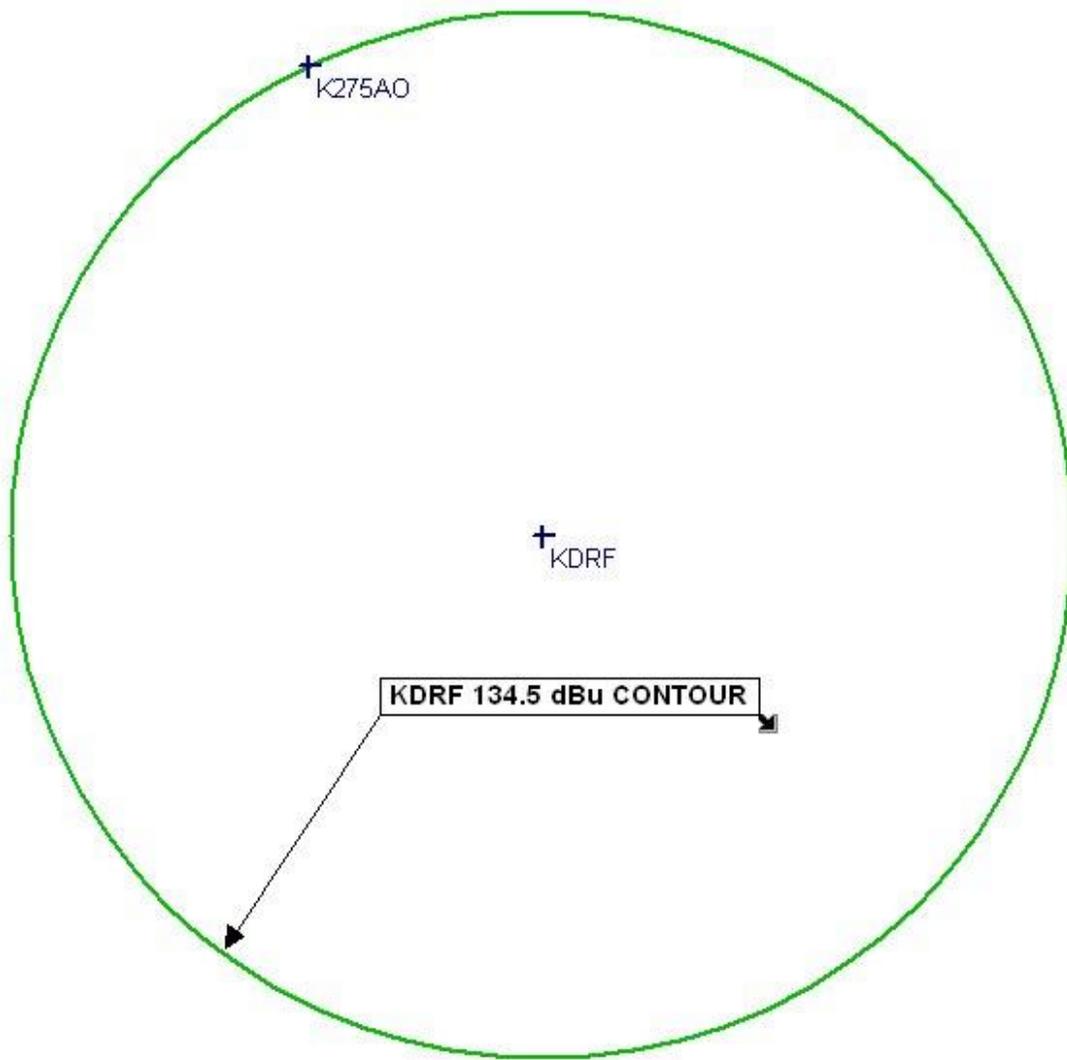
EXHIBIT 13-1, KIOT 132.4 dBu CONTOUR



## Compliance with Rules Section 74.1204 – KDRF

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KDRF, channel 277C, Albuquerque, NM. The predicted F(50-50) field strength of KDRF at the proposed translator site is 134.5 dBu, (see below). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 174.5 dBu. This interfering contour extends less than one meter from the proposed transmit antenna, and the area of overlap does not reach the ground.

**EXHIBIT 13-2, KDRF 134.5 dBu CONTOUR**



## **Compliance with Rules Section 74.1204 No population resides nearby the proposed facility**

This tower is located in a tower farm located at the Sandia Crest Electronic Site which is host to many broadcast facilities (see Exhibit 13-3 which is a picture of the locked access gate of the site).

### **EXHIBIT 13-3, Access Gate to Sandia Crest Electronic Site**



## Compliance with Rules Section 74.1204 No population resides nearby the proposed facility

To confirm the absence of population within the interference apertures, Educational Media Foundation has examined the topographic map shown, indicating a lack of regularly occupied structures within the .001 and 164 meter interference apertures.

AGM respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.

### EXHIBIT 13-4, USGS Topographic map of the Sandia Crest Electronic Site

