

## **EXHIBIT 13 – CHANNEL STUDY**

### **Compliance with Rules Section 74.1204**

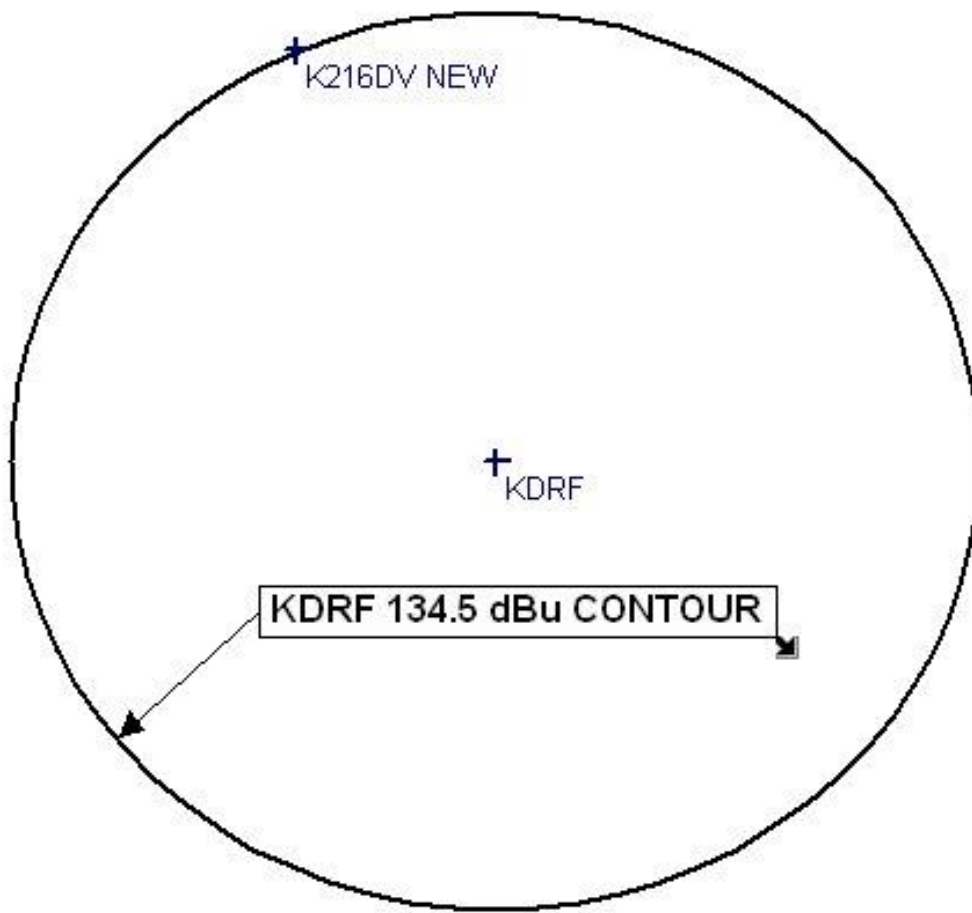
#### **Contour Protection to KYVA**

<u>CALL</u>	<u>CITY</u>	<u>ST CHN CL</u>	<u>DIST</u>	<u>SEP</u>	<u>BRNG</u>	<u>CLEARANCE</u>
K278BN	CUBA	NM 278 D	109.57	0.00	335.7	33.32 dB
KDRF	ALBUQUERQUE	NM 277 C	0.36	0.00	152.1	-56.92 dB
KDRF	ALBUQUERQUE	NM 277 C	0.34	0.00	155.8	-79.93 dB
KLNN	QUESTA	NM 279 C1	153.14	0.00	29.1	37.25 dB
KLNN	QUESTA	NM 279 C1	176.02	0.00	24.5	29.85 dB
KLNN-FM1	TAOS	NM 279 D	153.14	0.00	29.1	26.82 dB
KNMZ	ALAMOGORDO	NM 279 A	270.21	0.00	168.4	36.85 dB
KNMZ	ALAMOGORDO	NM 279 A	270.21	0.00	168.4	36.62 dB
KNMZ	ALAMOGORDO	NM 279 A	253.05	0.00	170.2	36.16 dB
KTEG	SANTA FE	NM 281 C	62.92	0.00	353.9	16.77 dB
KTEG	SANTA FE	NM 281 C	62.92	0.00	353.9	-14.22 dB
KYVA-FM	CHURCH ROCK	NM 279 C0	211.10	0.00	280.5	21.73 dB
KYVA-FM	CHURCH ROCK	NM 279 C0	207.88	0.00	282.7	6.37 dB
KYVA-FM*	CHURCH ROCK	NM 279 C0	207.49	0.00	282.7	24.14 dB
NEW	SILVER CITY	NM 279 D	314.73	0.00	211.2	38.21 dB
NEW	SOCORRO	NM 280 D	135.39	0.00	200.3	16.88 dB

## **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 174.5dBu. This interfering contour extends less than one meter from the proposed transmit antenna, and the area of overlap does not reach the ground. (the antenna will be mounted at the 6 meter level).

**EXHIBIT 13-1, KDRF 130 dBu CONTOUR**

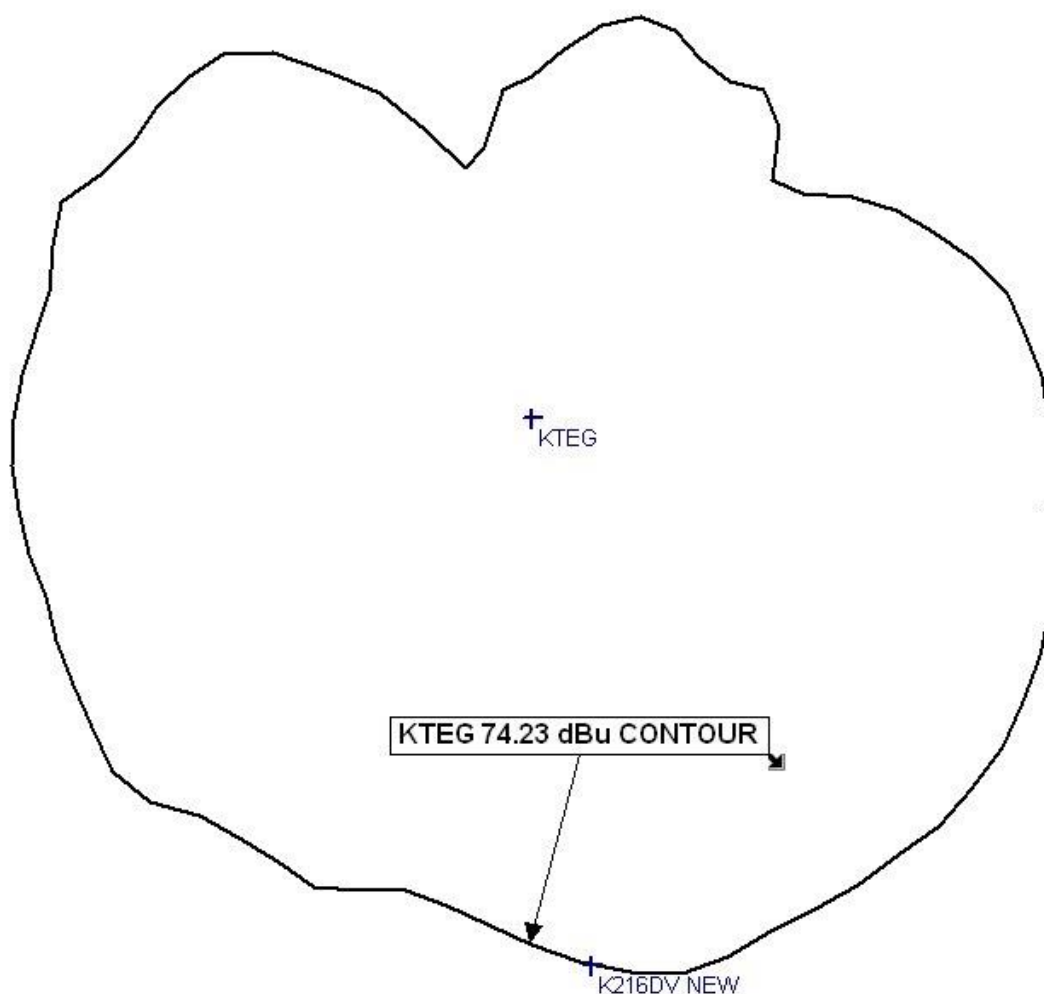


## **Compliance with Rules Section 74.1204 – KTEG**

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KTEG, channel 281C, Santa Fe, NM. The predicted F(50-50) field strength of KTEG at the proposed translator site is 74.23 dBu, (see below).

Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 114.23 dBu. This interfering contour extends approximately 221 meters from the proposed transmit antenna, and the area of overlap does not reach any regularly occupied structures.

### **EXHIBIT 13-2, KTEG 74.23 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, Paulino Bernal Evangelism has examined the topographic map shown, indicating a lack of regularly occupied structures within the 1 and 221 meter interference apertures.

PBE 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**

