

**ENGINEERING EXHIBIT  
SUPPORTING APPLICATION FOR CONSTRUCTION PERMIT  
UNIVISION RADIO LICENSE CORPORATION  
KKRG (FM)  
CHANNEL 267A  
FACILITY ID NUMBER: 16750  
ALBUQUERQUE, NEW MEXICO**

**PURPOSE OF APPLICATION**

Univision Radio License Corporation ("Univision") seeks to make a minor change to this licensed facility. The facility is presently licensed with an effective radiated power of 3700 Watts horizontal and vertical from the coordinates 35° 04'04" N, 106° 46'47" W, NAD27, with a height above average terrain of 128 meters. Univision requests the minor change with this instant application to move the facility to the coordinates; 35°03'57" N, 106°46'58" W, NAD27, a distance of .35 kilometer from the licensed site. The proposed existing support structure registration number is 1058920. This site is fully spaced to all other licensees and applicants as defined by 73.207. The proposed facility will operate with 3370 Watts horizontal and vertical with a radiation center of 1765 m above mean sea level. The height of average terrain was determined using a computer program; V-Soft Probe 3 and a three second terrain data derived from digitized USGS maps and determined to be 134.75 meters.

**ENVIRONMENTAL**

A grant of this application will not result in any tower construction, structure modifications, or lighting and marking changes. It is merely to add the antenna and transmission line for this facility. This is a multiple user site on a remote mesa, with one other FM, and two LP Television licensees within three kilometers of the site. The antenna utilized by KKRK will be a Dielectric 4 bay .5 wave spaced DCR type antenna mounted at 52 meters above ground level. The site was studied in accordance with OET publication, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields" Supplement A, Edition 97-01 to OET Bulletin 65, Edition 97-01. Using the OET FM Model software, it can be determined using the EPA "DCR" (Type 7) choice appropriate for the antenna to be utilized, that the maximum power density level at two meters above ground level is 2.26 microwatts/centimeter<sup>2</sup> and occurs at 194 meters from the base of the tower. This is 1.1% of the maximum for general population, unrestricted exposure level, therefore exempting the facility from further study. The base of the tower is fenced. Univision believes the proposed facility complies with 1.1310. Univision will reduce power or discontinue operation in the event of maintenance on the structure or antenna. See the following pages for the graph from the OET FM Model program.

**KKRG Ch 267A N35 03 57 W106 46 58**

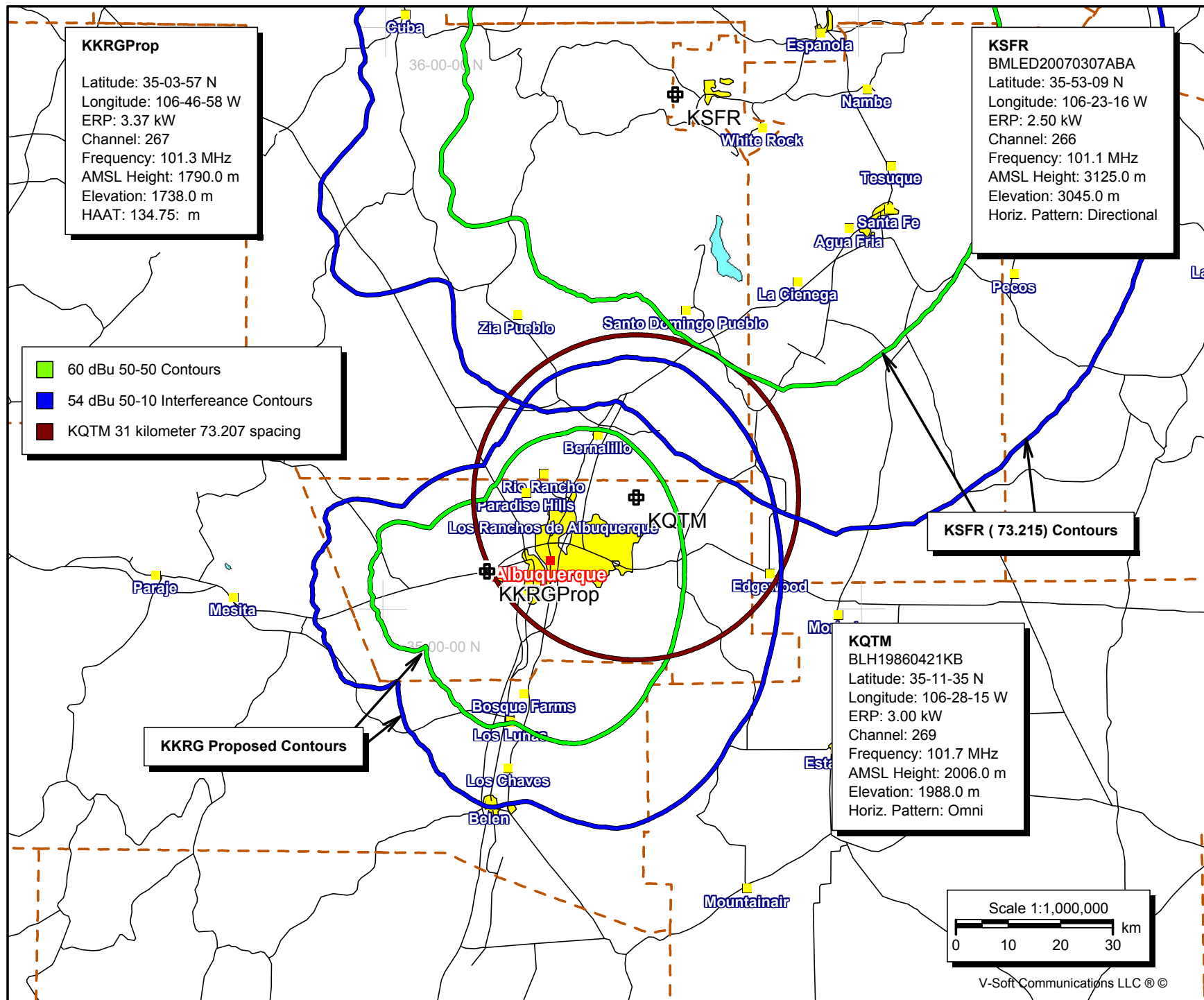
Call	State	City	Freq	Channel	ERP Watts	Class	Status	Distance km	Sep	Clr	Note
KKRG	NM	ALBUQUERQUE	101.3	267	4760	A	CP	0	115	-115	1
KKRG	NM	ALBUQUERQUE	101.3	267	3700	A	LIC	0.35	115	-114.6	1
870515NT	NM	ALBUQUERQUE	101.3	267	0	A	USE	7.11	115	-107.9	1
KKRG	NM	ALBUQUERQUE	101.3	267	950	A	LIC	18.09	115	-96.9	1
KQTM	NM	RIO RANCHO	101.7	269	400	A	LIC	18.09	31	-12.9	2
KSFR	NM	WHITE ROCK	101.1	266	2500	C2	LIC	97.78	106	-8.2	3
KSFR	NM	WHITE ROCK	101.1	266	0	C2	USE	101.03	106	-5	4
KQTM	NM	RIO RANCHO	101.7	269	200	A	LIC	31.12	31	0.1	
KQTM	NM	RIO RANCHO	101.7	269	0	A	USE	31.74	31	0.7	
KXXQ	NM	MILAN	100.7	264	45000	C1	CP	75.92	75	0.9	
KQTM	NM	RIO RANCHO	101.7	269	3000	A	LIC	31.74	31	0.7	
KQLV	NM	SANTA FE	90.7	214	19810	C	LIC	34.47	29	5.5	
KVSF-FM	NM	PECOS	101.5	268	25000	C3	LIC	108	89	19	
KXXQ*	NM	MILAN	100.7	264	0	C0	RSV	110.83	86	24.8	
KVSF-FM	NM	PECOS	101.5	268	0	C3	USE	121.11	89	32.1	
K265CA	NM	ALBUQUERQUE	100.9	265	50	D	LIC	34.33	0	34.3	
KZNM	NM	MILAN	101.9	270	0	C2	USE	90.99	55	36	
KXXQ	NM	MILAN	100.7	264	0	C1	USE	110.83	75	35.8	

**1 Facility Studied**

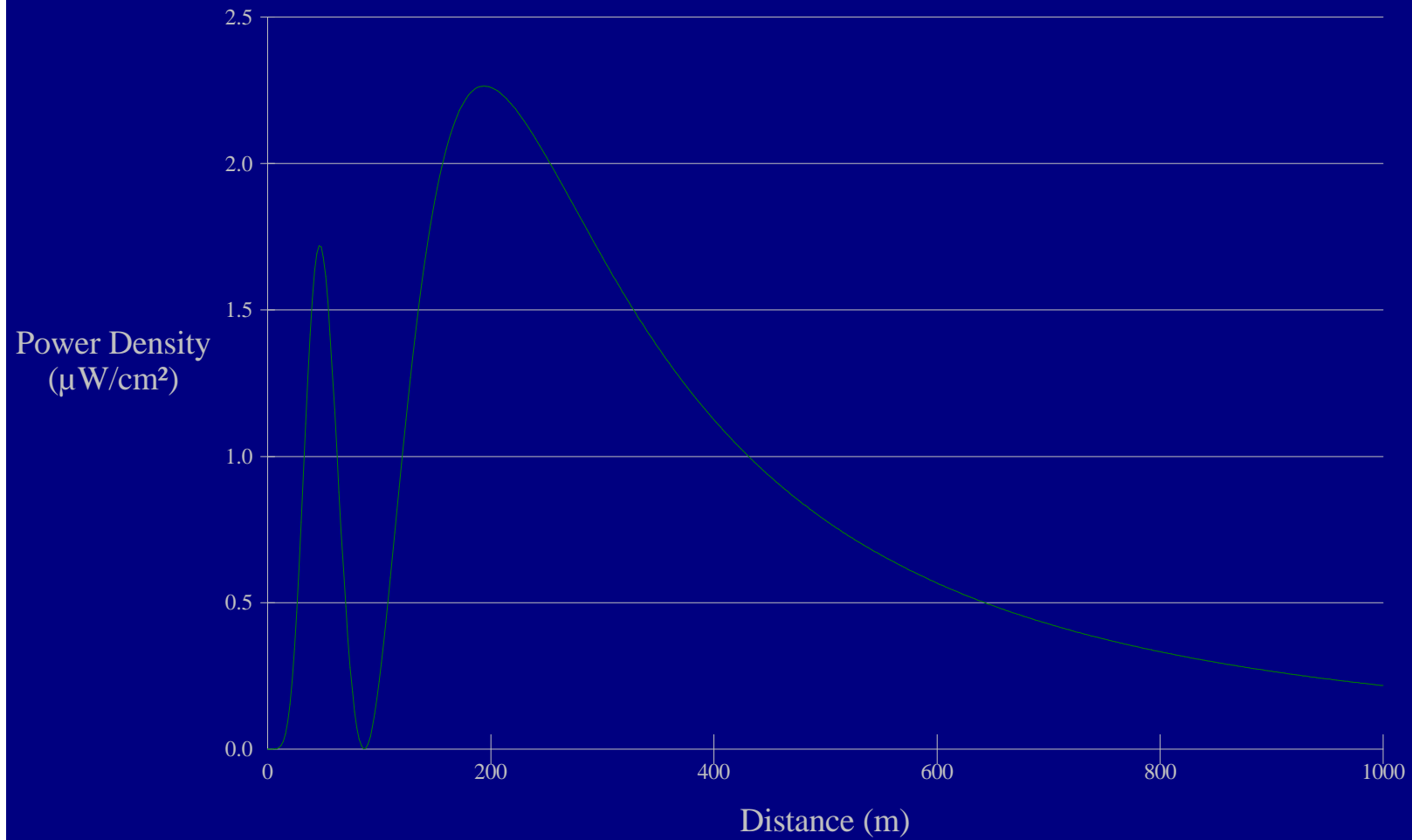
**2. Auxiliary Facility**

**3. 73.215 contour protecting station**

**4. Allotment**



Power Density vs Distance



Horizontal ERP(W): 3370 Antenna Type: Dielectric DCRM

Vertical ERP (W): 3370 Number of Elements: 4

Antenna Height (m): 52 Element Spacing: .5