

TECHNICAL EXHIBIT  
PREPARED IN SUPPORT OF THE APPLICATION OF  
RADIO STATION KLVF  
BPH-20081114AAL  
LAS VEGAS, NEW MEXICO  
CH 264C2 50 KW -33 M

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of the pending application of KLVF Las Vegas, New Mexico, to upgrade from Class C3 to Class C2 status on channel 264 at Las Vegas (BPH-20081114AAL). The licensee obtained a previous authorization (BPH-20060117AFE) to change KLVF's city of license to Pecos, New Mexico, pursuant to the Report & Order in MB Docket 04-218 (Cimarron, Las Vegas and Pecos, New Mexico), DA 05-2692, rel. October 14, 2005), but this change was not effectuated. This firm has been retained to develop certain technical facts comparing the theoretical coverage of the unbuilt Pecos facility proposed in BPH-20081114AAL, presuming uniform terrain, as if KLVF had become licensed with that, and as if the licensee were now proposing to move KLVF "back" to Las Vegas, but as a C2 facility. Specifically, this technical exhibit provides information concerning (1) the total number of aural services available to the hypothetical loss area and (2) white and gray areas within the hypothetical gain area.

Total Other Aural Services Analysis/Hypothetical Loss Area

A determination of the aural services available to the populated portion of the hypothetical loss area, and the resulting service value index, was undertaken based on the provisions of the FCC's decision in *Greenup, Kentucky* ("Greenup").<sup>1</sup> Per Greenup, maximum facilities and uniform terrain are utilized for FM stations, with the exception of Class C stations where actual facilities are presumed. In addition, licensed and/or authorized commercial and noncommercial FM operations are considered along with vacant FM allotments. For AM stations the nighttime interference free ("NIF") contour has been utilized.

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<sup>1</sup> See Greenup, Kentucky and Athens, Ohio, Memorandum Opinion and Order in MM Docket No. 86-29, FCC 91-61.

Furthermore, the Greenup method considers the total number of aural services available to an area and the corresponding population for each aural service level area, or "pocket".<sup>2</sup> The total population for each pocket is divided by the number of available aural services to obtain a service value index ("SVI"). Using this method, the population within a pocket is discounted as the number of available services received increases. These population service indices are then summed and the resulting number represents an overall SVI.

Figure 1 is a map showing the FM 60 dBu (1 mV/m) primary service contours for KLVE'S formerly authorized operation on channel 264C3 at Pecos (CP, BPH-20060117AFE) and the proposed channel 264C2 operation at Las Vegas (BPH-20081114AAL). The hypothetical 60 dBu "loss" area is also indicated. Also shown are all other FM and AM services available to the hypothetical loss area within the 60 dBu contours. Figure 3 tabulates the FM and AM stations whose contours are shown on Figure 1.

Figure 1 also shows the city limits of populated places located within the hypothetical loss area along with population centroids (based on 2000 Census). As indicated on Figure 1, the populated portion of the hypothetical loss area is located in the vicinity of Santa Fe. The numbers within the populated portion of the hypothetical loss area represent the number of full-time aural services within each pocket.

The following tabulates within the populated portion of the hypothetical loss area the full-time aural service pockets, the 2000 Census population within each of these pockets, the SVI population for each pocket and the total population of these pockets which represents the SVI for the populated portion of the hypothetical loss area.

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<sup>2</sup> The estimated 2000 Census population within each aural service pocket depicted on Figure 1 was determined by using mapping software that utilizes the 2000 Census database of population centroids. The mapping software adds the populations of those centroids located within each pocket.

<u>No. of Services</u>	<u>(2000 Census) Total Population</u>	<u>SVI Population</u>
24	2,927	122
25	4,930	197
26	2,589	100
27	10,734	398
28	34,838	1244
Totals	56,018	2,061

As indicated above, the populated portion of the hypothetical loss area has an overall SVI of 2,061 persons. It is also noted that the entire hypothetical loss area contains a 2000 Census population of 59,331 persons whereas the populated portion of the loss area in the vicinity of Santa Fe contains a population of 56,018 persons. In other words, 94.4% of the total population within the hypothetical loss area is located in the vicinity of Santa Fe.

White/Gray Service Within Hypothetical Gain Area

Figure 2 is a map showing the hypothetical 60 dBu gain area along with the all other aural services within this gain area. Also shown are aural white (0 aural services) and gray (1 aural service) areas within the hypothetical gain area. The white area contains a 2000 Census population of 13 persons and the gray area contains a 2000 Census population of 100 persons. Figure 2 also depicts Interstate 25 which traverses the white and gray areas.

Finally, Figure 4 depicts the entire hypothetical gain and loss areas and total available aural services. The hypothetical loss area encompasses 1,261 square kilometers whereas the hypothetical gain area encompasses 4,976 square kilometers.

The attached technical statement has been prepared by or under the direct supervision of W. Jeffrey Reynolds, technical consultant with the firm of du Treil, Lundin and Rackley, Inc., a telecommunications consulting firm located in Sarasota, Florida, who states that his qualifications are a matter of record with the Federal Communications Commission, having been presented on previous occasions. All data and statements contained herein are true and correct to the best of his knowledge and belief.

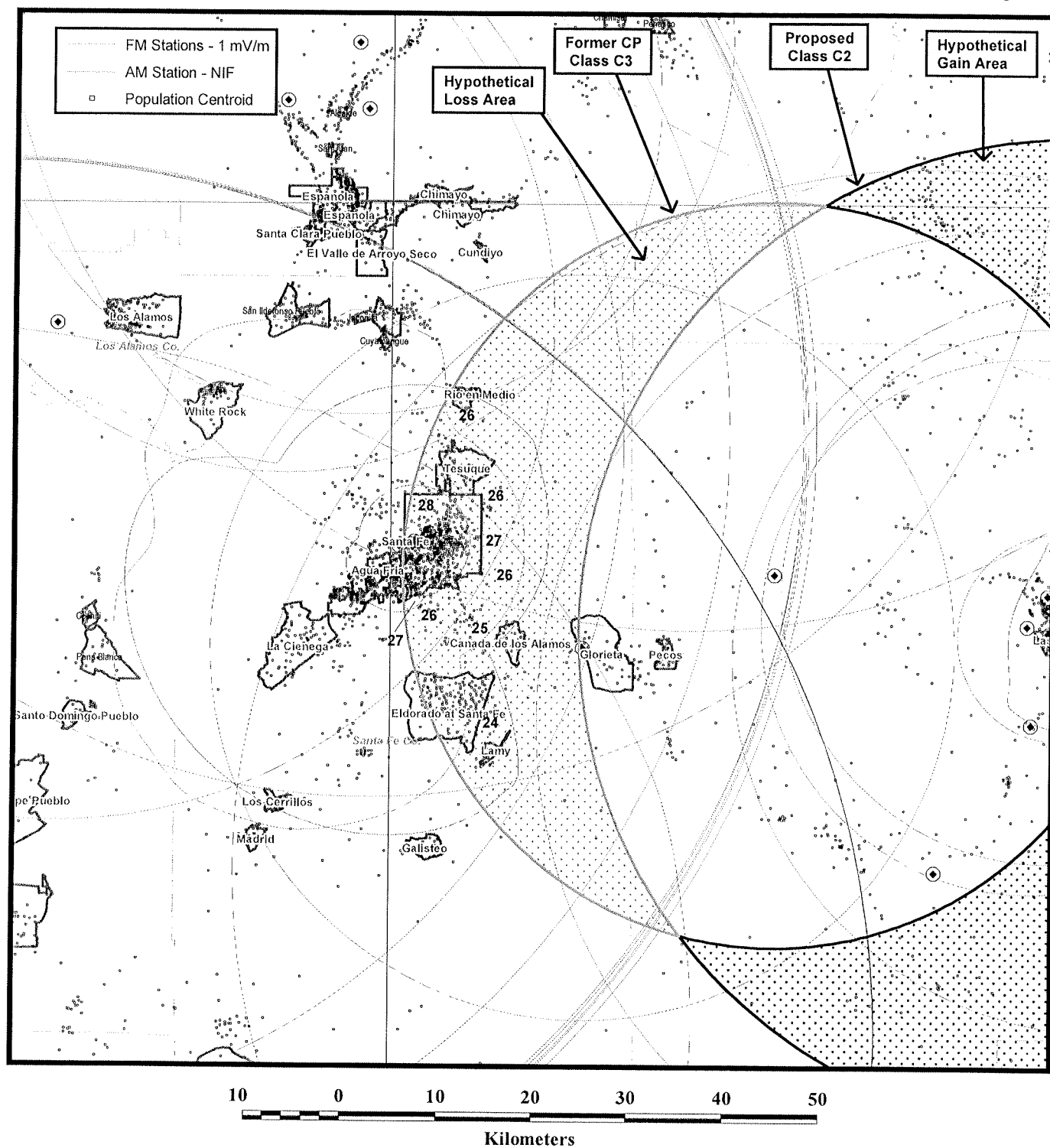


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Figure 1

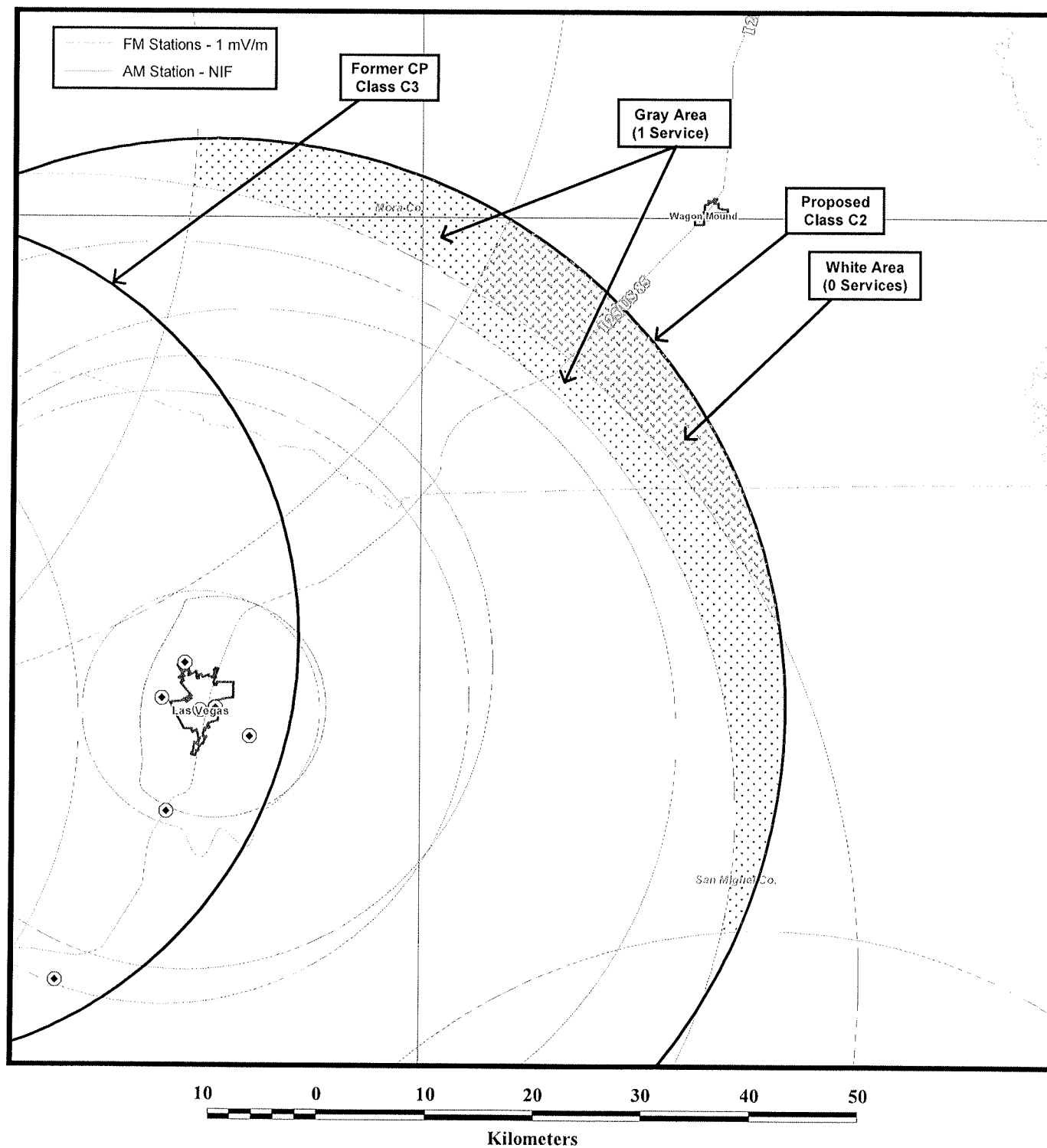


## 60 DBU GAIN/LOSS ANALYSIS

FM STATION KLVF  
PECOS, NEW MEXICO

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



## 60 DBU GAIN/LOSS ANALYSIS

FM STATION KLVF  
PECOS, NEW MEXICO

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Figure 3

### Tabulation of FM Stations

Station	Status	Community of License	State	Class	Frequency
KLYT	LIC	ALBUQUERQUE	NM	C0	88.3
KSFQ	LIC	SANTA FE	NM	A	90.7
KEDP	LIC	LAS VEGAS	NM	A	91.1
KRAR	LIC	ESPANOLA	NM	C3	91.9
KRRE	LIC	LAS VEGAS	NM	A	91.9
KRST	LIC	ALBUQUERQUE	NM	C	92.3
KBQL	CP MOD	LAS VEGAS	NM	C3	92.7
KYBR	CP	ESPANOLA	NM	C3	92.9
KKOB-FM	LIC	ALBUQUERQUE	NM	C	93.3
NONE	CP	LAS VEGAS	NM	C2	93.7
KZRR	LIC	ALBUQUERQUE	NM	C	94.1
KKIM-FM	LIC	SANTA FE	NM	C1	94.7
KHFM	LIC	SANTA FE	NM	C1	95.5
KKJY	CP	SANTA ROSA	NM	C2	95.9
KBZU	LIC	ALBUQUERQUE	NM	C	96.3
KMDZ	LIC	LAS VEGAS	NM	A	96.7
KKSS	LIC	SANTA FE	NM	C	97.3
KBAC	LIC	LAS VEGAS	NM	C	98.1
KABG	LIC	LOS ALAMOS	NM	C	98.5
KMGA	LIC	ALBUQUERQUE	NM	C	99.5
KPEK	LIC	ALBUQUERQUE	NM	C	100.3
KSFR	LIC	WHITE ROCK	NM	C2	101.1
KVSF-FM	LIC	PECOS	NM	C3	101.5
KTAO	LIC	TAOS	NM	C1	101.9
KIOT	CP	LOS LUNAS	NM	C	102.5
KLBU	LIC	PECOS	NM	C3	102.9
KDRF	LIC	ALBUQUERQUE	NM	C	103.3
KJFA	LIC	SANTA FE	NM	C	105.1
KJFA	LIC	SANTA FE	NM	C	105.1
KRZY-FM	LIC	SANTA FE	NM	C	105.9
KLVO	LIC	LOS ALAMOS	NM	C0	106.7
KQBA	LIC	LOS ALAMOS	NM	C1	107.5
KBQI	LIC	ALBUQUERQUE	NM	C	107.9

### Tabulation of AM Stations

Station	Status	Community of License	State	Class	Frequency (kHz)
KTRC	LIC	SANTA FE	NM	B	1260
KVSF	LIC	SANTA FE	NM	C	1400

Figure 4

