

**K205DZ Devore, California**  
**Facility Id: 91086**

**Displacement Exhibit**

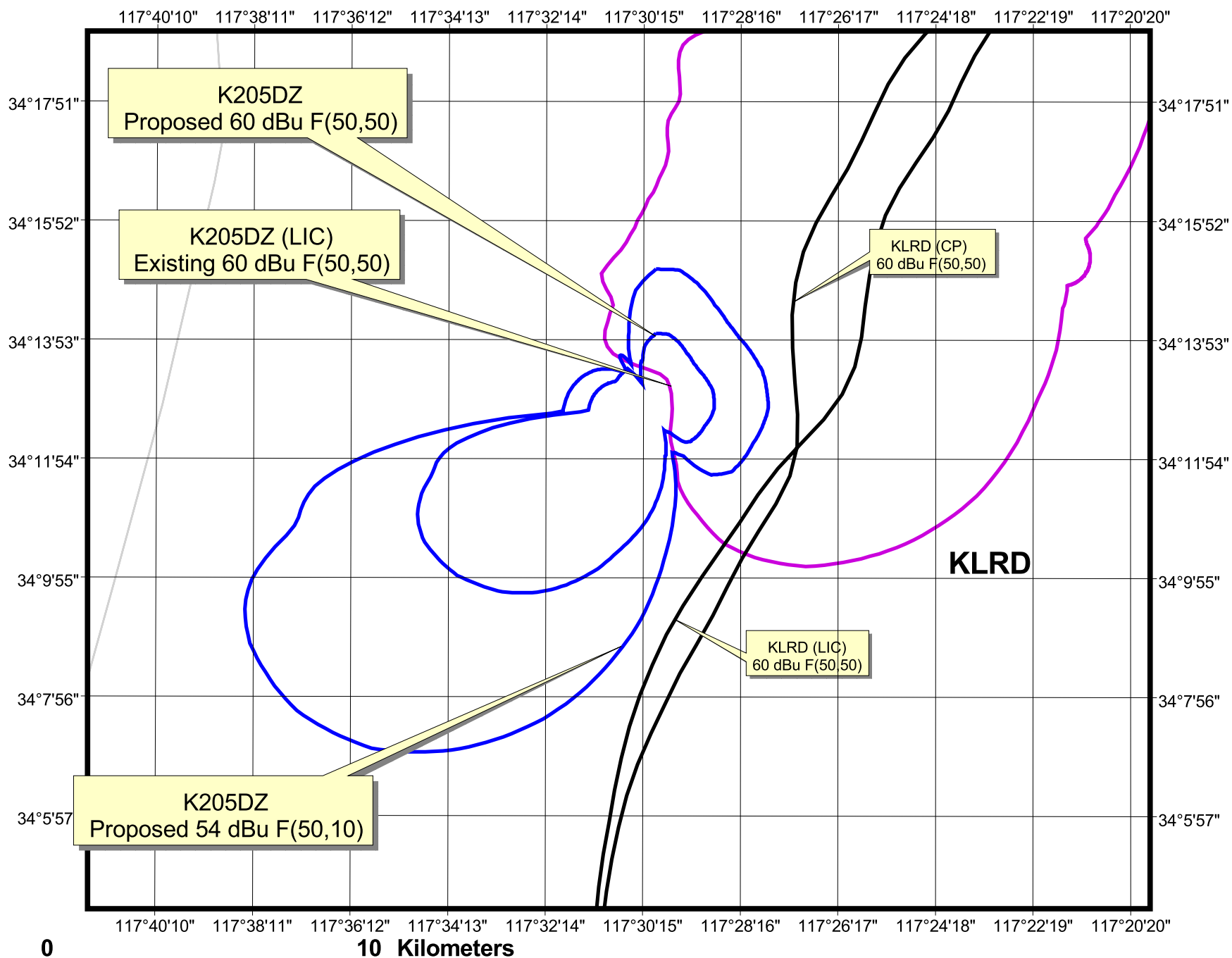
Licensed translator K205DZ has come under scrutiny for potential interference to co-channel KSDW resulting in at least three separate site visits from the Commission staff and necessary adjustments to K205DZ's antenna.

K205DZ has attempted to remedy the situation by requesting operation on upper adjacent Channel 206, which then resulted in formal objections filed by University of the Redlands with respect to proposed co-channel KUOR-FM.

Proposing operation on lower adjacent Channel 204 will not offer an interference-free solution for K205DZ in that co-channel KSPC (LIC and CP) provides at least a 50 dBu listenable signal to the surrounding area and such a proposal would be expected to draw interference complaints.

Proposing operation on I.F. Channels 258 or 259 would cause prohibited co-channel and 1<sup>st</sup> adjacent channel overlap and interference to KKLA.

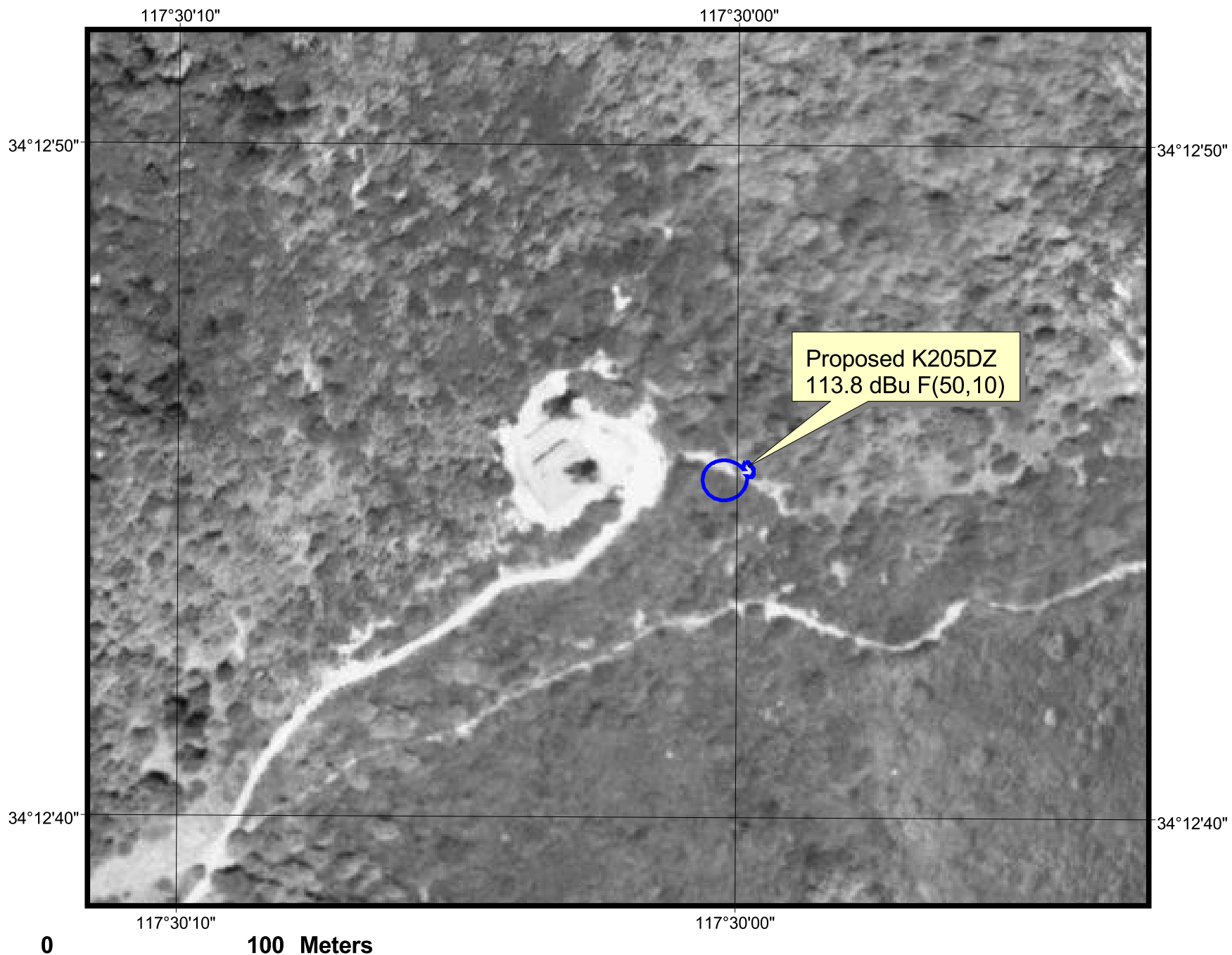
In light of the K205DZ's difficulty of operation on its authorized channel and its inability to propose conflict-free operation on any adjacent channel, the applicant respectfully requests that the Commission grant the proposed modification of K205DZ to Channel 212.



**K205DZ, DEVORE, CA : MINOR CHANGE TO LICENSED FACILITY**  
**Minor change showing, and 1st adj. channel contour protection**

Figure 1 

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**K205DZ, DEVORE, CA : MINOR CHANGE TO LICENSED FACILITY**  
**Proposed 113.8 dBu interference area with respect to KSGN (no population)**

**Figure 2** 

Table 1

**K205DZ Minor Change to Licensed Facility September 2011  
Channel Study**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)	
209	A	KSGN	FM	LIC	RIVERSIDE	CA	US	GOOD NEWS RADIO	19.8	95.1	41.2	-21.4	(See note and Figure 2)
210	D	K210DL	FX	LIC	APPLE VALLEY	CA	US	CALVARY CHAPEL OF TWIN FAL	48.3	23.6	12.5	35.8	
210	B	KCRW	FM	LIC	SANTA MONICA	CA	US	SANTA MONICA COMMUNITY C	82.7	262.9	46.9	35.8	
211	D	KSAK	FM	LIC	WALNUT	CA	US	MOUNT SAN ANTONIO COMMUN	38.0	240.8	17.2	20.8	
211	D	K211DK	FX	LIC	SANTA ANA	CA	US	THE ASSOCIATION FOR COMML	47.7	193.8	9.2	38.6	
211	B	KLRD	FM	CP	YUCAIPA	CA	US	EDUCATIONAL MEDIA FOUNDA1	58.3	106.5	57.0	1.3	
211	B	KLRD	FM	LIC	YUCAIPA	CA	US	EDUCATIONAL MEDIA FOUNDA1	58.6	107.4	57.6	0.9	
211	D	KBPK	FM	LIC	BUENA PARK	CA	US	BUENA PARK SCHOOL DISTRIC	61.6	230.5	18.3	43.3	
212	D	K212EK	FX	LIC	VICTORVILLE	CA	US	CALVARY CHAPEL OF TWIN FAL	48.3	23.6	27.0	21.3	
212	D	K212FA	FX	LIC	TEMPLE CITY	CA	US	EDUCATIONAL MEDIA FOUNDA1	51.6	269.9	10.2	41.4	
212	C2	NEW	FM	APP	BARSTOW	CA	US	SAN BERNARDINO COMMUNITY	81.8	30.0	42.2	39.6	
214	B	KPFFK	FM	LIC	LOS ANGELES	CA	US	PACIFICA FOUNDATION, INC.	52.2	272.1	92.5	-40.3	(See note and Figure 2)
265	A	KAEH	FM	LIC	BEAUMONT	CA	US	MBR LICENSEE LLC	57.5	126.0	10.0	47.5	
266	B	KRTH	FM	LIC	LOS ANGELES	CA	US	CBS RADIO EAST INC.	52.1	271.8	15.0	37.1	

**NOTE:**

**(with respect to KSGN)** 3rd adjacent KSGN has a field strength of 73.8 dBu F(50,50) at the proposed K205DZ site. Therefore K205DZ's interfering contour is the 113.8 dBu F(50,10) contour. K205DZ's 113.8 dBu F(50,10) interfering contour does not contain any structures or population. Therefore this proposal is compliant with the allowance of Rule 74.1204(d).

**(with respect to KPFFK)** 2nd adjacent KPFFK has a field strength of 76.9 dBu F(50,50) at the proposed K205DZ site. Since this field strength is greater than that of KSGN (mentioned above) any potential to KSGN is a "worst-case" potential relative to KPFFK which has higher field strength. Therefore this proposal is compliant with the allowance of Rule 74.1204(d).

## Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL				
						within 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$ )	Max. PD	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$ )	Distance to maximum PD (m)
PROPOSED	9	SCALA YAGI YA-7 FML	1	0.000	0.002	1.3	0.1%	1.3	0.7%	1.6
						1.3	<b>0.1%</b>	1.3	<b>0.7%</b>	1.6

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using SCALA manufacturer data