

Channel Study

REFERENCE 33 52 04.0 N. 116 25 59.0 W.		CH# 270D - 101.9 MHz, Pwr= 0.01 kW, HAAT= 181.8 M, COR= 492 M Average Protected F(50-50)= 7.8 km						DISPLAY DATES DATA 10-06-08 SEARCH 10-06-08		
CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
270D Cathedral City	K270AI	LIC C CA	140.7 320.7	0.04 BLFT20050119AGF	33 52 03.0 116 25 58.0	0.010 101	28.2 498	8.4 Educational Media Foundati	-32.04*	-25.85*
272A Indio	KJJZ	LIC NCN CA	89.0 269.1	19.02 BLH19981124KE	33 52 14.0 116 13 39.0	2.600 101	3.3 820	49.4 R M Broadcasting L.l.c.	14.69	-30.37*
270A Twentynine Palms	AL0935	VAC CA	46.1 226.4	47.21 RM10973	34 09 41.0 116 03 47.0	6.000 100	68.3 859	15.8 Dana J. Puopolo	-22.66*	26.57
270D Cathedral City	K270AI	CP DC CA	90.0 270.0	0.03 BPFT20050317ACK	33 52 04.0 116 25 58.0	0.010	18.9 496	5.3 Educational Media Foundati	-19.87*	-10.45*
270B Glendale	KSCA	LIC CN CA	285.2 104.3	155.56 BLH19960228KA	34 13 26.0 118 03 45.0	4.800 863	150.9 1763	83.1 Univision Radio License Co	2.47	58.04
268D Palm Springs	K268AH	LIC VN CA	89.0 269.1	19.02 BLFT19970730TA	33 52 14.0 116 13 39.0	0.010 104	0.2 810	12.5 Family Stations, Inc.	17.74	6.46
267D Palm Desert	638723	APP DC CA	161.6 341.7	16.27 BNPFT20030317CTE	33 43 43.0 116 22 39.0	0.250	0.3 66	3.6 Playa Del Sol Broadcasters	7.42	12.56
269A Big Bear Lake	KXSB	LIC CN CA	314.0 133.8	55.39 BLH19951010KB	34 12 47.0 116 51 59.0	0.300 431	39.1 2616	25.8 Lazer Licenses, Llc	15.53	28.13
270B Mexicali	XHPFFM	BN	145.9 326.5	163.69	32 38 37.0 115 27 09.0	50.000 150	139.2 157	65.0	19.12	67.44
267A Idyllwild	KATY-FM	LIC CX CA	241.6 61.5	33.29 BMLH20071002ACQ	33 43 31.0 116 44 58.0	1.550 200	1.6 1650	11.3 All Pro Broadcasting, Inc.	24.15	21.81
269D Yucca Valley	K216CX	CP DV CA	349.1 169.0	27.97 BPFT20050826ABZ	34 06 55.0 116 29 27.0	0.010	3.6 1223	2.2 Calvary Chapel Of Twin Fal	22.80	24.13
273A Hemet	AL8372	VAC N CA	255.2 74.9	53.07 RM	33 44 41.0 116 59 13.0	6.000 100	2.5 696	25.2	44.60	27.74
271B Encinitas	KPRI	LIC CX CA	213.7 33.3	136.91 BLH20080214ACR	32 50 24.0 117 14 52.0	30.000 193	75.6 265	63.8 Compass Radio Of San Diego	51.61	52.87
271D Big Bear	629586	APP C CA	316.6 136.4	59.21 BNPFT20030312ACB	34 15 15.0 116 52 32.0	0.013	4.8 2176	3.4 Living Proof, Inc.	53.67	54.28
272D Sunnymead	631612	APP DC CA	276.9 96.6	62.87 BNPFT20030314ARV	33 56 03.0 117 06 29.0	0.250	0.3 596	3.4 Faith Pleases God Church C	58.53	59.43
270B Mexicali	XHPFFM	OPE HN BN	145.9 326.5	163.69	32 38 37.0 115 27 09.0	14.800 35	92.3 42	33.4	66.06	99.00

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = 1A. With 3rd Adj
Channels.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E),
Beamtilt(Y,N,X)

""affixed to 'IN' or 'OUT' values = site inside protected contour.

Reference station has protected zone issue: Mexico- AM tower.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KJJZ, channel 272A, Indio, CA. The predicted F(50-50) field strength of KJJZ at the proposed translator site is 77.8 dBu, (see attached Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 117.8 dBu. This interfering contour extends approximately 28.5 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

Two factors have been investigated to determine this absence of population:

- 1.) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.
- 2.) Examination of the USGS topographic map (see attached Exhibit 12A-2) reveals no regularly occupied structures within the area of overlap.



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

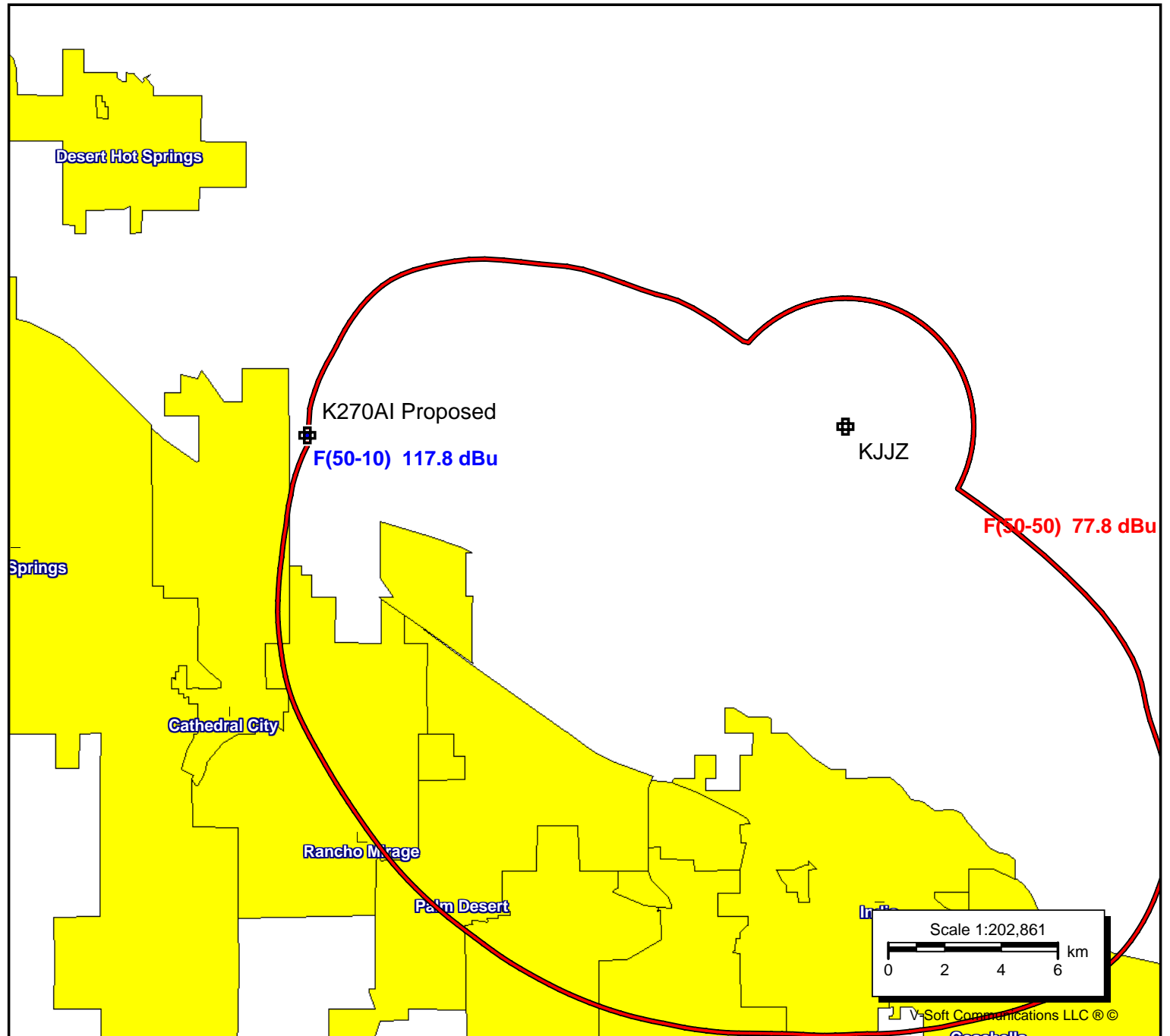
K270AI Proposed

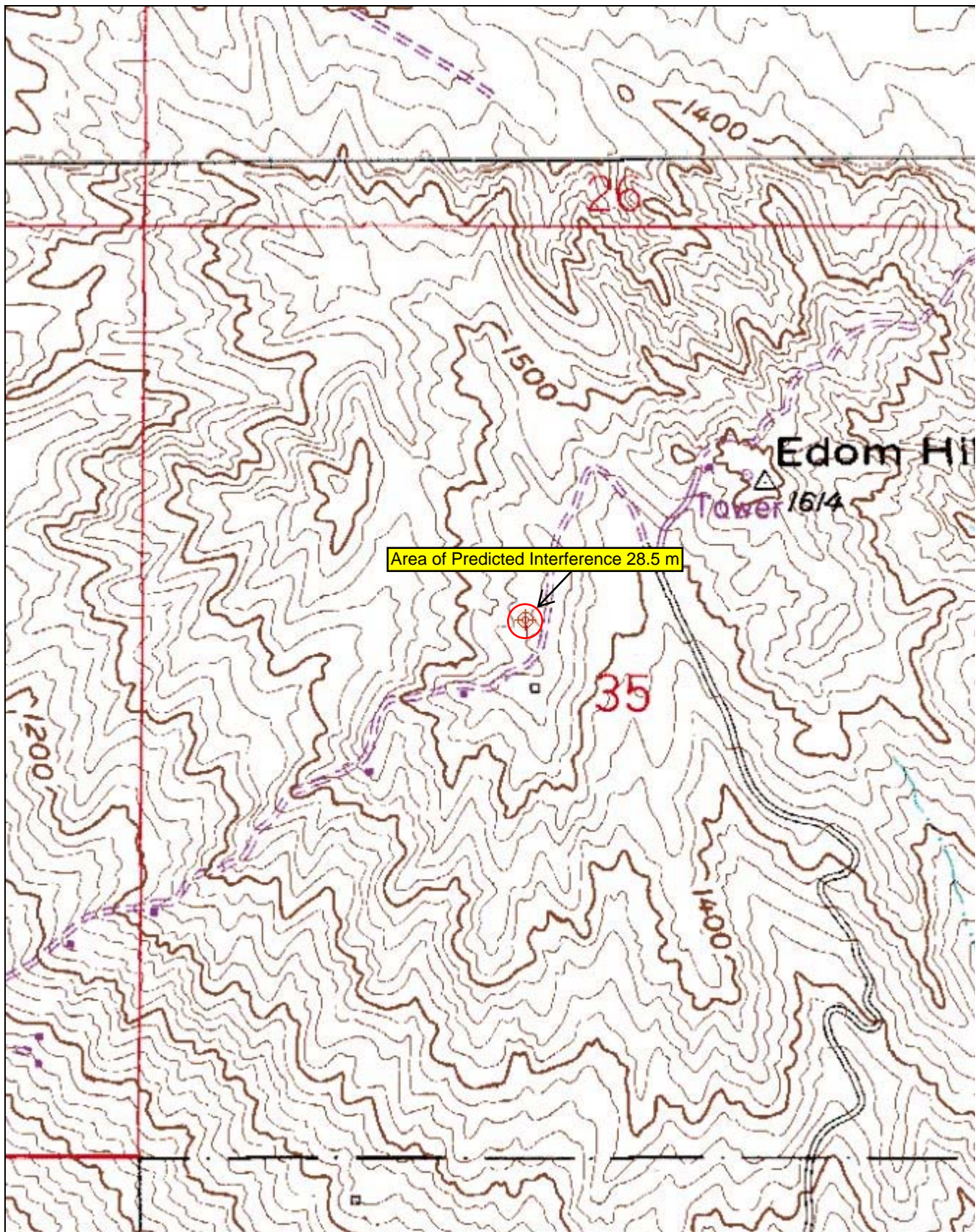
Latitude: 33-52-04 N
Longitude: 116-25-59 W
ERP: 0.01 kW
Channel: 270
Frequency: 101.9 MHz
AMSL Height: 492.0 m

KJJZ

BLH19981124KE
Latitude: 33-52-14 N
Longitude: 116-13-39 W
ERP: 2.60 kW
Channel: 272
Frequency: 102.3 MHz
AMSL Height: 820.0 m

 K270AI Proposed
 KJJZ





North American Datum Conversion NAD 27 to NAD 83

NAD 27 datum values: 33 52 4.00000 116 25 59.00000

NAD 83 datum values: 33 52 4.05920 116 26 2.04178