

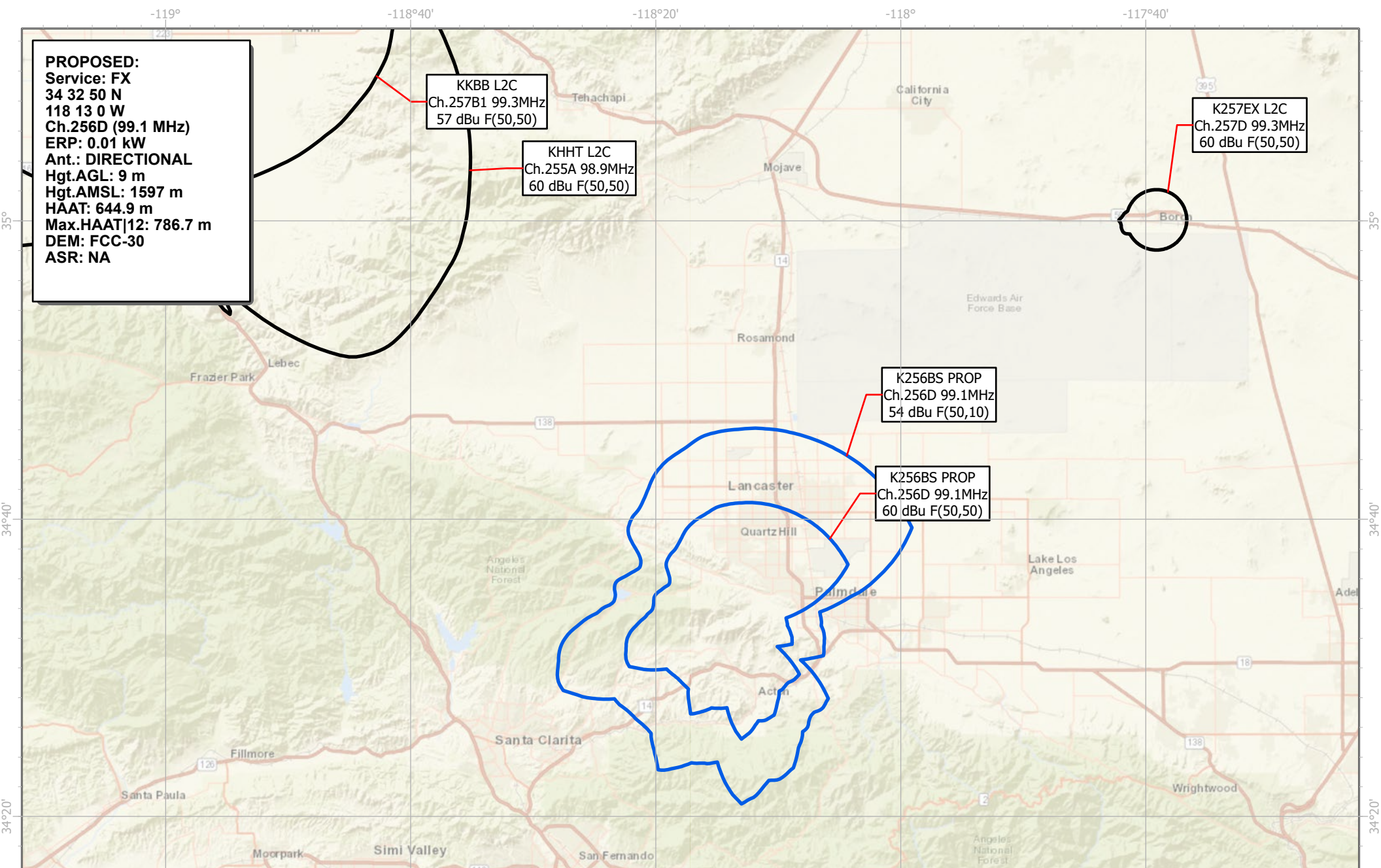
K256BS PALMDALE, CA Proposed Channel 256D (99.1 MHz)
ONDAS DE VIDA, INC. - MINOR MODIFICATION

Co-channel and minor change showing.

0 5 10 20 Kilometers

Figure 1

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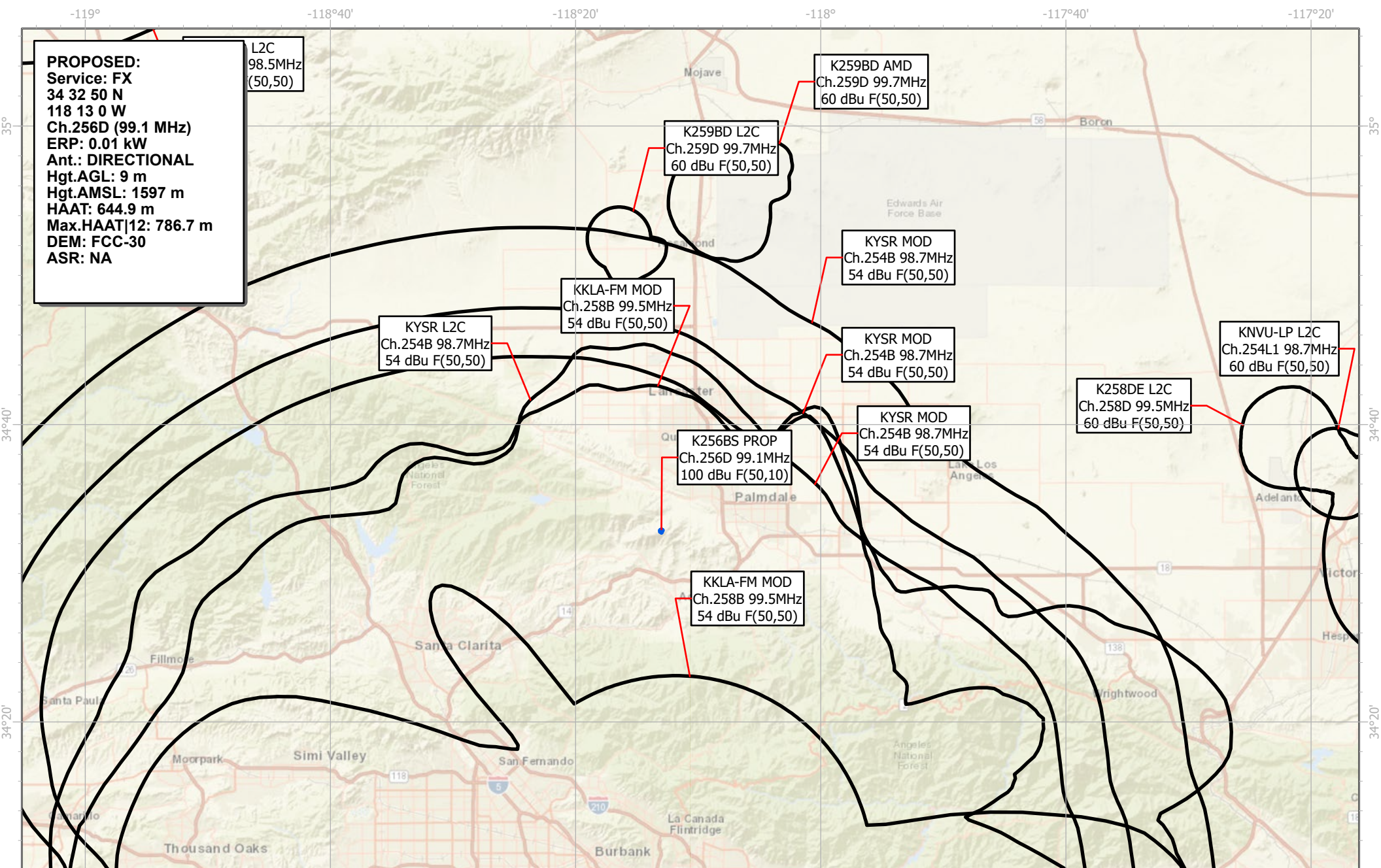


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1st adjacent-channel showing.

Figure 2

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2nd and 3rd adjacent-channel showing.

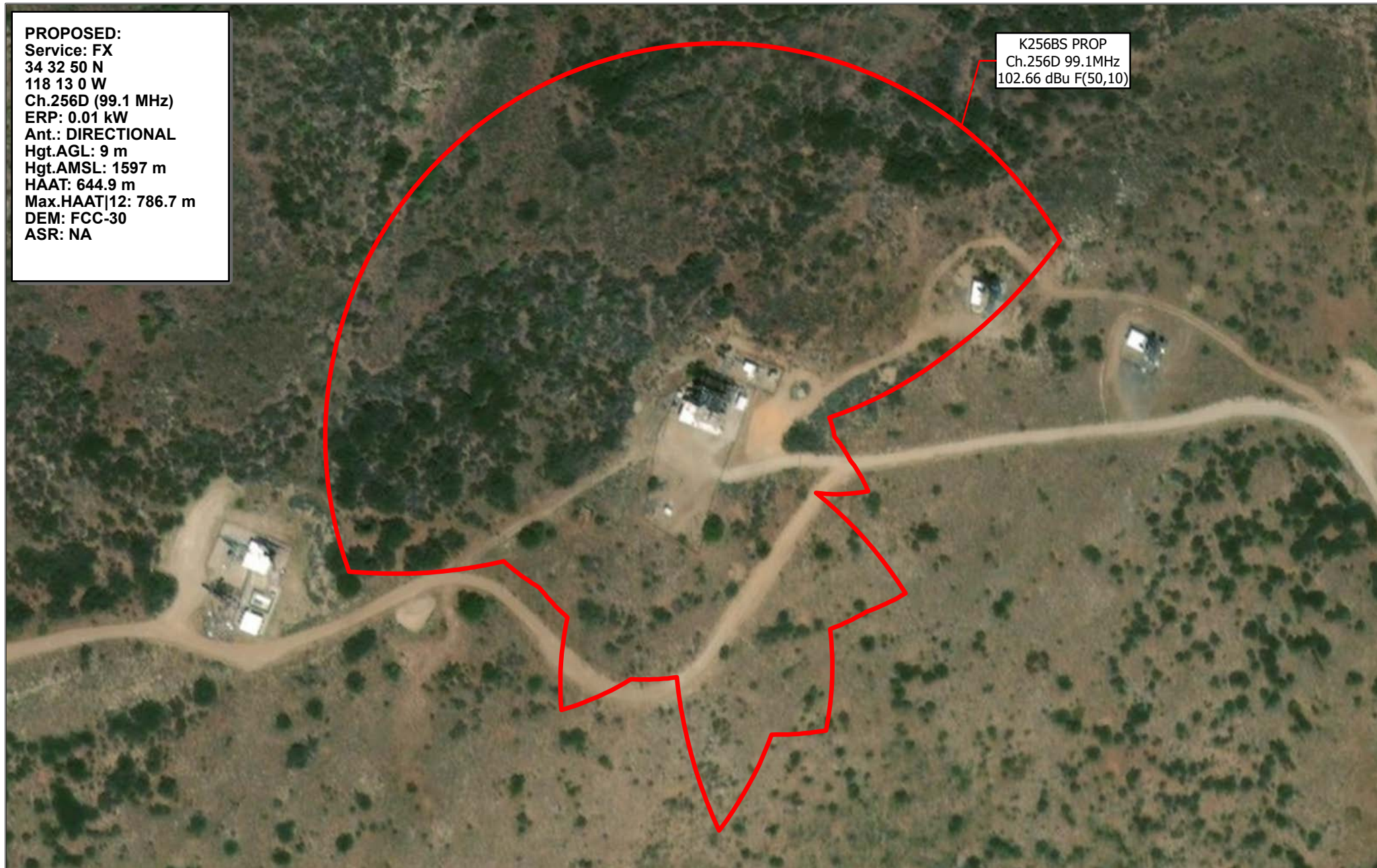
0 5 10 20 Kilometers

Figure 3

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PROPOSED:
Service: FX
34 32 50 N
118 13 0 W
Ch.256D (99.1 MHz)
ERP: 0.01 kW
Ant.: DIRECTIONAL
Hgt.AGL: 9 m
Hgt.AMSL: 1597 m
HAAT: 644.9 m
Max.HAAT|12: 786.7 m
DEM: FCC-30
ASR: NA

K256BS PROP
Ch.256D 99.1MHz
102.66 dBu F(50,10)



K256BS PALMDALE, CA Proposed Channel 256D (99.1 MHz)
ONDAS DE VIDA, INC. - MINOR MODIFICATION

0 25 50 100 Meters

Figure 4

Second adjacent-channel waiver showing with respect to KKLA-FM. KKLA-FM has a field strength of 62.7 dBu F(50,50) at the proposed site.

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Table 1 - 74.1204(a) Channel Study**K256BS PALMDALE, CA - ONDAS DE VIDA, INC.****MINOR MODIFICATION October 2020 (Ch.256D proposed)**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)	
254	B	KYSR	FM	L-MOD	LOS ANGELES	CA	US	AMFM BROADCASTING	198.8	50.3	83.5	-33.2	68.5	
255	A	KHHT	FM	L-L2C	METTLER	CA	US	POINT FIVE LLC	305.5	89.2	46.9	42.3		
256	D	K256BS	FX	L-L2C	PALMDALE	CA	US	ONDAS DE VIDA, INC.	87.2	0.3	32.5	-32.2		(applicant)
256	L1	KZUT-LP	FL	L-AMD	LOS ANGELES	CA	US	MACHINE PROJECT	196.8	49.0	47.6	1.3		
256	L1	KFEP-LP	FL	L-L2C	LOS ANGELES	CA	US	ECHO PARK FILM CENT	196.8	49.0	47.6	1.3		
256	L1	KLDB-LP	FL	L-L2C	LOS ANGELES	CA	US	FUTURE ROOTS, INC.	196.8	49.0	47.6	1.3		
256	L1	KWSV-LP	FL	L-L2C	SIMI VALLEY	CA	US	STRATEGIC INTERNATI	233.9	49.9	49.0	0.9		
256	D	K256CX	FX	L-L2C	PASADENA	CA	US	ABC RADIO LOS ANGEI	157.3	52.2	48.7	3.5		
256	L1	KTPC-LP	FL	L-AMD	VENICE	CA	US	REACH FOR THE TOP, I	200.7	65.1	49.3	15.8		
256	L1	KBUU-LP	FL	L-L2C	MALIBU	CA	US	ZUMA BEACH FM EME	223.2	77.1	47.8	29.2		
256	L1	KLBP-LP	FL	L-L2C	LONG BEACH	CA	US	LONG BEACH COMMU	179.8	88.7	57.8	30.9		
256	L1	KJBU-LP	FL	L-L2C	OXNARD	CA	US	THE COMMUNITY ADV	244.0	96.1	54.5	41.6		
256	B	KGGI	FM	L-L2C	RIVERSIDE	CA	US	AMFM BROADCASTING	109.1	104.6	104.6	0.0		
257	D	K257EX	FX	L-L2C	BORON	CA	US	ADVANCE MINISTRIES,	45.5	72.1	28.6	43.6		
258	B	KKLA-FM	FM	L-MOD	LOS ANGELES	CA	US	NEW INSPIRATION BRI	158.6	38.6	58.0	-19.4	62.7	(see NOTE)
259	D	K259BD	FX	L-L2C	ROSAMOND	CA	US	HIGH DESERT BROADC	351.8	36.7	5.8	30.9		
259	D	K259BD	FX	C-AMD	ROSAMOND	CA	US	HIGH DESERT BROADC	5.3	48.2	12.3	35.9		

Terrain data DEM: FCC-30

NOTE: Second adjacent-channel waiver showing with respect to KKLA-FM.

Second adjacent KKLA-FM has a field strength of 62.7 dBu at the proposed K256BS site. Therefore the proposed translator's interfering contour is the 102.7 dBu F(50,10) contour. At 10 watts ERP and with the antenna mounted at 9 meters AGL the proposed translator's 102.7 dBu F(50,10) extends 163 meters horizontally from the tower and will not contain any structures or population. 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)
K256BS (proposed)	9	JAMPRO JLLP 1	1	0.010	0.010	3.03	0.3030%	3.03	1.52%	7.0
						3.03	0.3030%	3.03	1.52%	7.0

This proposal would not result in a power density that exceeds 5% of the power density exposure limit applicable to this facility at the area in question. This proposal does not meet the criteria of an actions that may have a significant environmental effect per 47 CFR § 1.1307.

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 FCC FMModel