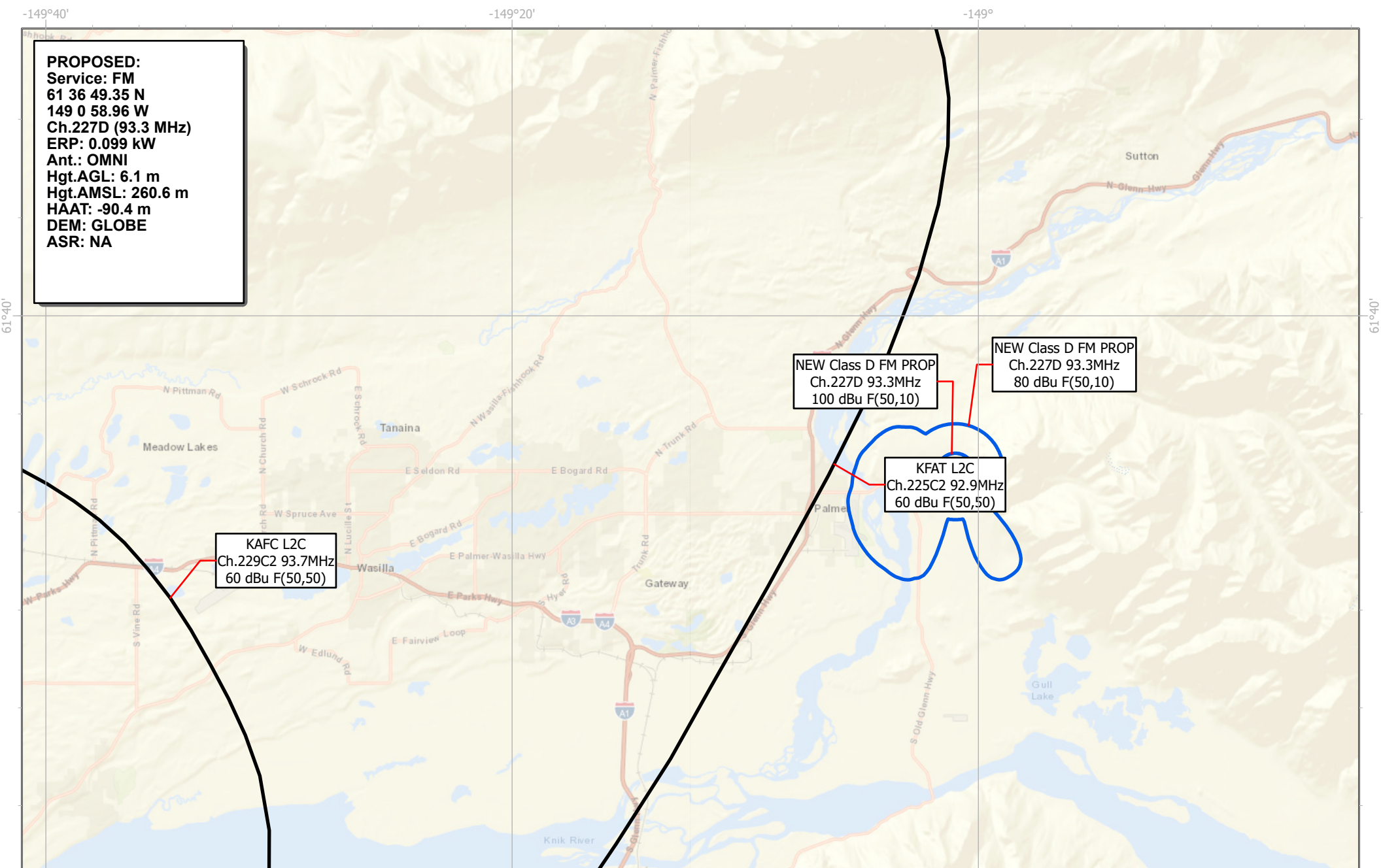


NEW Class D FM PALMER, AK Proposed Channel 227D (93.3 MHz)
40BelowBroadcasting - NEW CLASS D FM

Co-channel and minor change showing.

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NEW Class D FM PALMER, AK Proposed Channel 227D (93.3 MHz)

40BelowBroadcasting - NEW CLASS D FM

2nd and 3rd adjacent-channel showing.

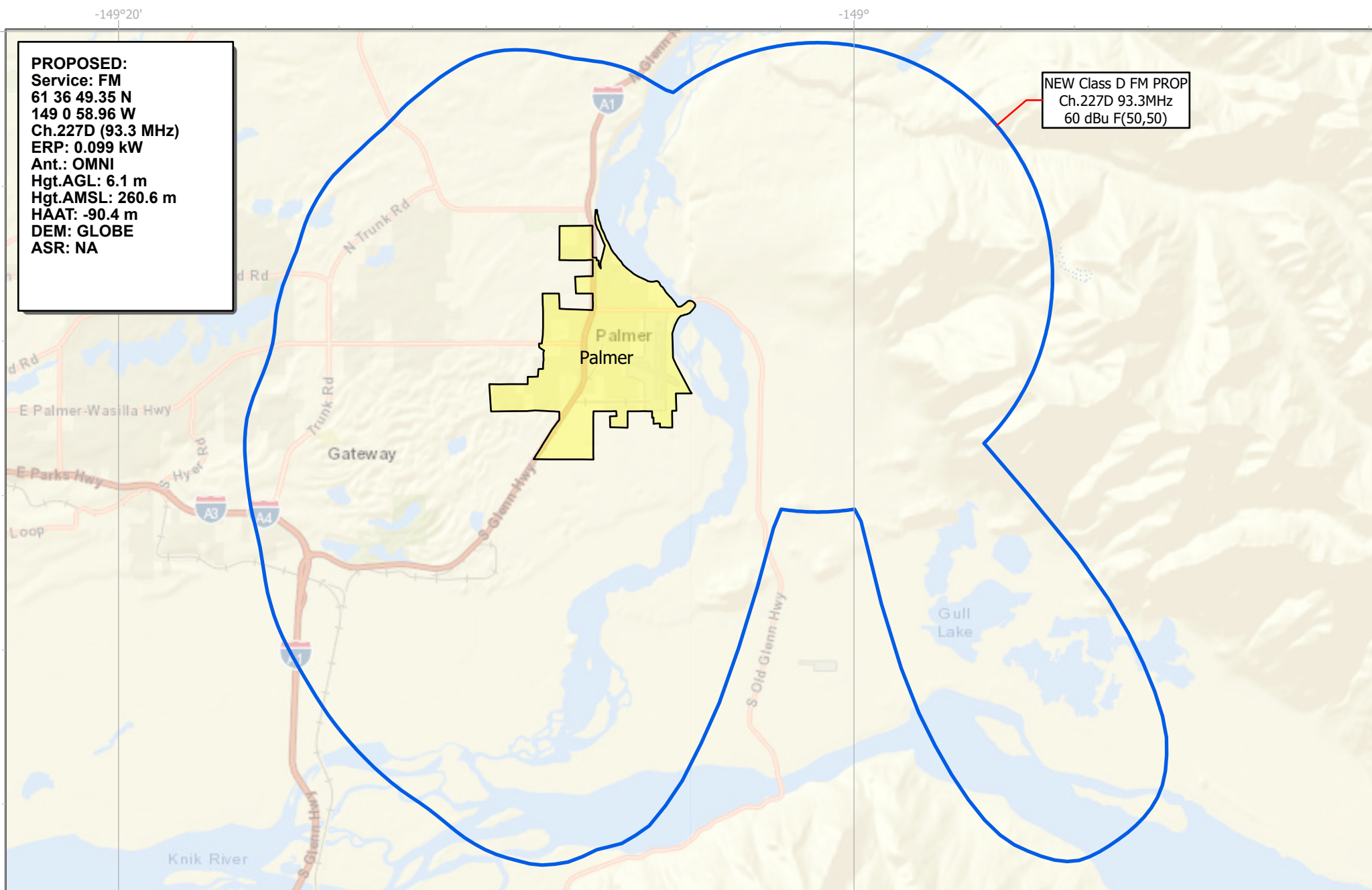
Figure 3

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Table 1 - 73.509 Channel Study**NEW Class D FM PALMER, AK - 40BelowBroadcasting****NEW CLASS D FM May 2021 (Ch.227D proposed)**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)
225	C2	KFAT	FM	L-L2C	ANCHORAGE	AK	US	OMG FCC LICENSES LLI	220.8	40.7	18.8	21.9
227	A	KVAK-FM	FM	L-L2C	VALDEZ	AK	US	NORTH WAVE COMM	109.3	156.8	29.1	127.6
227	C2	KXBA	FM	L-L2C	NIKISKI	AK	US	PENINSULA COMMUN	225.7	172.5	92.7	79.8
229	C2	KAFC	FM	L-L2C	ANCHORAGE	AK	US	CHRISTIAN BROADCAST	212.9	72.2	23.8	48.4

Terrain data DEM: GLOBE



NEW Class D FM PALMER, AK Proposed Channel 227D (93.3 MHz)
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0 1.5 3 6 Kilometers

Figure 4

Community of license coverage: Palmer, Alaska

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Table 2

Radiofrequency Electromagnetic Exposure Analysis for WSGG

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				
						at 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)
NEW-NCE(D)	6.1	Dipole (EPA)*	1	0.099	0.099	55.0	5.5%	55.0	27.5%	10
						55.0	5.5%	55.0	27.5%	10

(proposed)

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 FM Model v2.10 Beta

*In the absence of specific antenna data, the Dipole (EPA) model is assumed (worst case).