

**Table 1 - 74.807 Channel Study****KPYT-LP TUCSON, AZ - PASCUA YAQUI TRIBE****MINOR MOD July 2022 (Ch.262L1 proposed)**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)
260	L1	KMKR-LP	FL	L-L2C	TUCSON	AZ	US	XEROCRAFT INC.	38.8	14.5	0.0	
261	D	K261CK	FX	L-L2C	SAN XAVIER	AZ	US	WORLD RADIO NETWC	206.3	30.8	28.0	2.8
262	L1	KPYT-LP	FL	L-L2C	TUCSON	AZ	US	PASCUA YAQUI TRIBE,	143.8	1.1	24.0	-22.9
262	C	KQMR	FM	L-MOD	GLOBE	AZ	US	UNIVISION RADIO STA	8.4	130.5	130.0	0.5
264	L1	KPYU-LP	FL	L-L2C	OLD PASCUA VILLAGE	AZ	US	PASCUA YAQUI TRIBE,	30.2	15.7	0.0	
265	D	K265CW	FX	L-L2C	TUCSON	AZ	US		37.5	44.3	21.0	23.3

Terrain data DEM: FCC-30

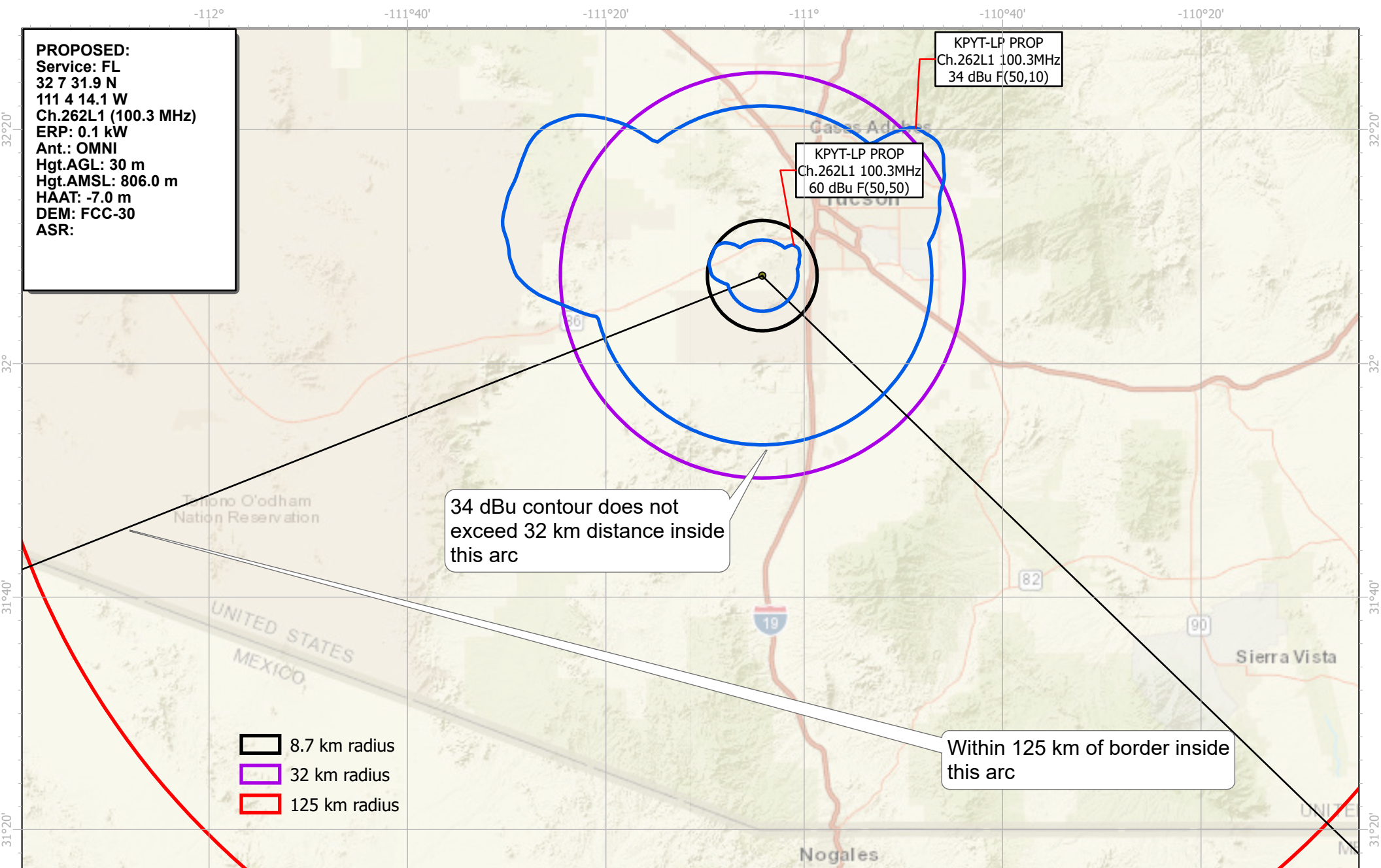


Figure 1

KPYT-LP TUCSON, AZ Proposed Channel 262L1 (100.3 MHz)

PASCUA YAQUI TRIBE - MINOR MOD

Compliance with 73.807(g)(5)(i)

LPFM stations located within 125 kilometers of the Mexican border are limited to 50 watts (0.05 kW) ERP, a 60 dBu service contour of 8.7 kilometers and a 34 dBu interfering contour of 32 kilometers in the direction of the Mexican border. LPFM stations may operate up to 100 watts in all other directions.

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## 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)
KPYT-LP (proposed)	30	<b>(EPA Type 1)</b>	1	0.10	0.10	5.10	0.51%	1.10	0.55%	7.6
						5.10	<b>0.51%</b>	1.10	<b>0.55%</b>	7.6

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 FCC FMModel (Revised version)