

EXHIBIT 1 TECHNICAL NARRATIVE

This minor amendment of a Construction Permit is submitted on behalf of Wendolynn Tellez for the purpose to relocate the transmitter site of KSAG, LMS File Number 0000210104 Facility ID 165972.

THIS APPLICATION REQUESTS REISSUANCE OF THE PRIOR PERMIT (BPH 20161219ADK) FOR A CHANGE OF CHANNEL OF OPERATION FOR STATION KSAG FROM CHANNEL 277 TO CHANNEL 227. THIS CHANNEL CHANGE ALREADY HAS BEEN APPROVED PREVIOUSLY. 28 FCC RCD 10341

This amendment application does not seek a change in Community of License.

MEXICO

The proposed site is 129.9 km from the Mexican /US Border and complies with the US/Mexico Treaty, FCC separation requirements of allotments, applications, construction permits, and licensed facilities.

Applicant will be locating the transmitter and antenna to a tower owned by SBA Structures LLC ASRN 1214856. FCC ASR database indicates this tower has coordinates

(NAD 83)
28 – 54 – 33.7 N,
99 – 04 – 39.4 W.

Existing Vacant Allotment Ch 227A

[Next Record](#)

- TX PEARSALL USA

Licensee: PEARSALL RADIOWORKS, LTD.
Service Designation: **FA** VACANT Allotment record
Channel/Class: 227A Frequency: 93.3 MHz **Vacant allotment**
File No.: RM-10686 Facility ID number: 0 Docket No. [03-87](#)
CDBS Application ID No.: 620666

28° 55' 27.00" N Latitude
99° 06' 23.00" W Longitude (NAD 27)

[First Record](#)

RCAGL 71.6 meters
Elevation 196.9 meters
RCAMSL 268.5 meters
HAAT – 86.15 meters

Exhibit 1 – Technical Narrative

Exhibit 2 – Full Space Channel Study

Full space channel 227A study, which meets the requirements of 73.207 of the FCC rules.

Exhibit 3 – Community Coverage Map

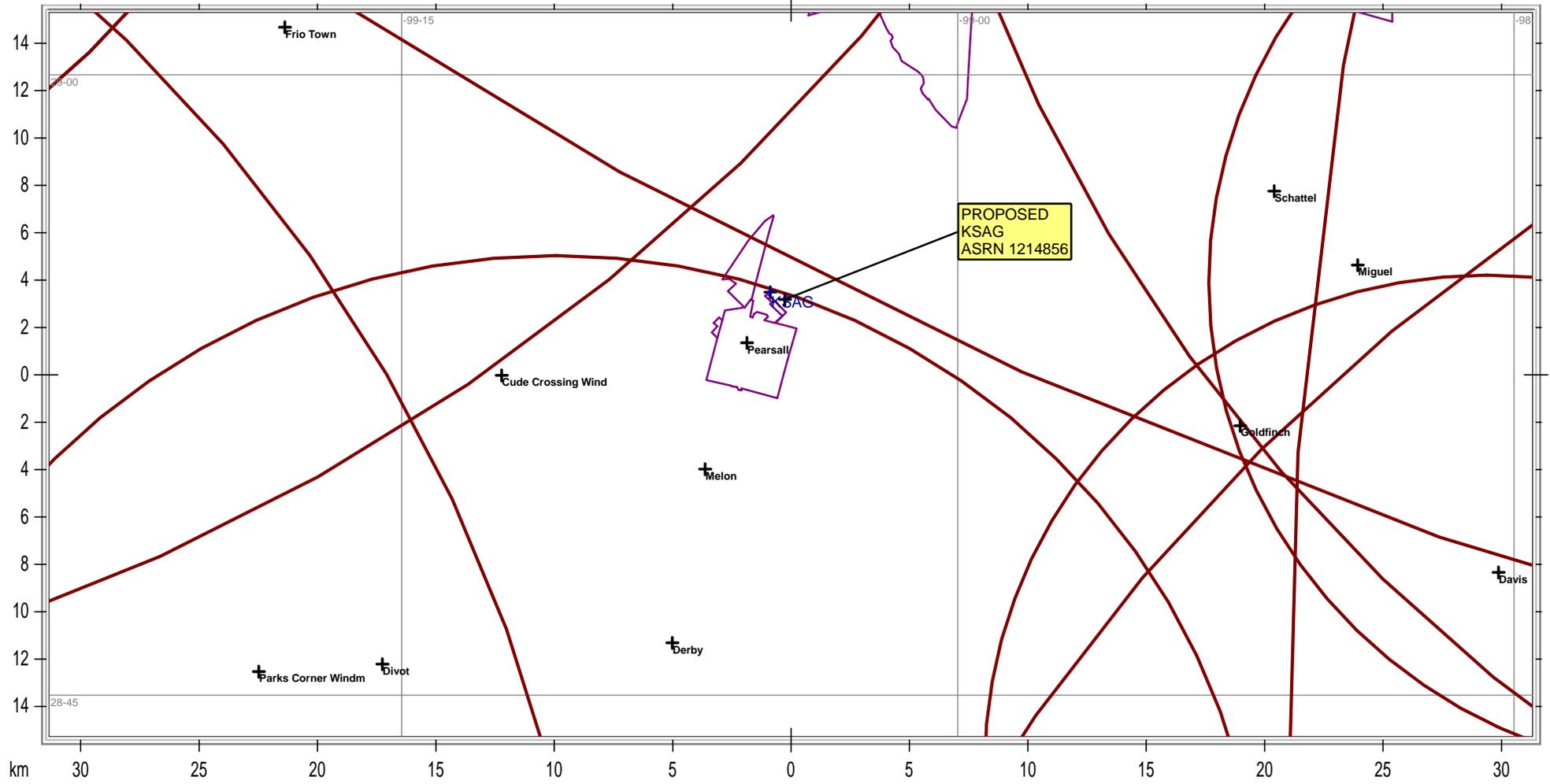
Map showing the 70 db coverage of the community of license in this application.

Exhibit 4 – FMMODEL

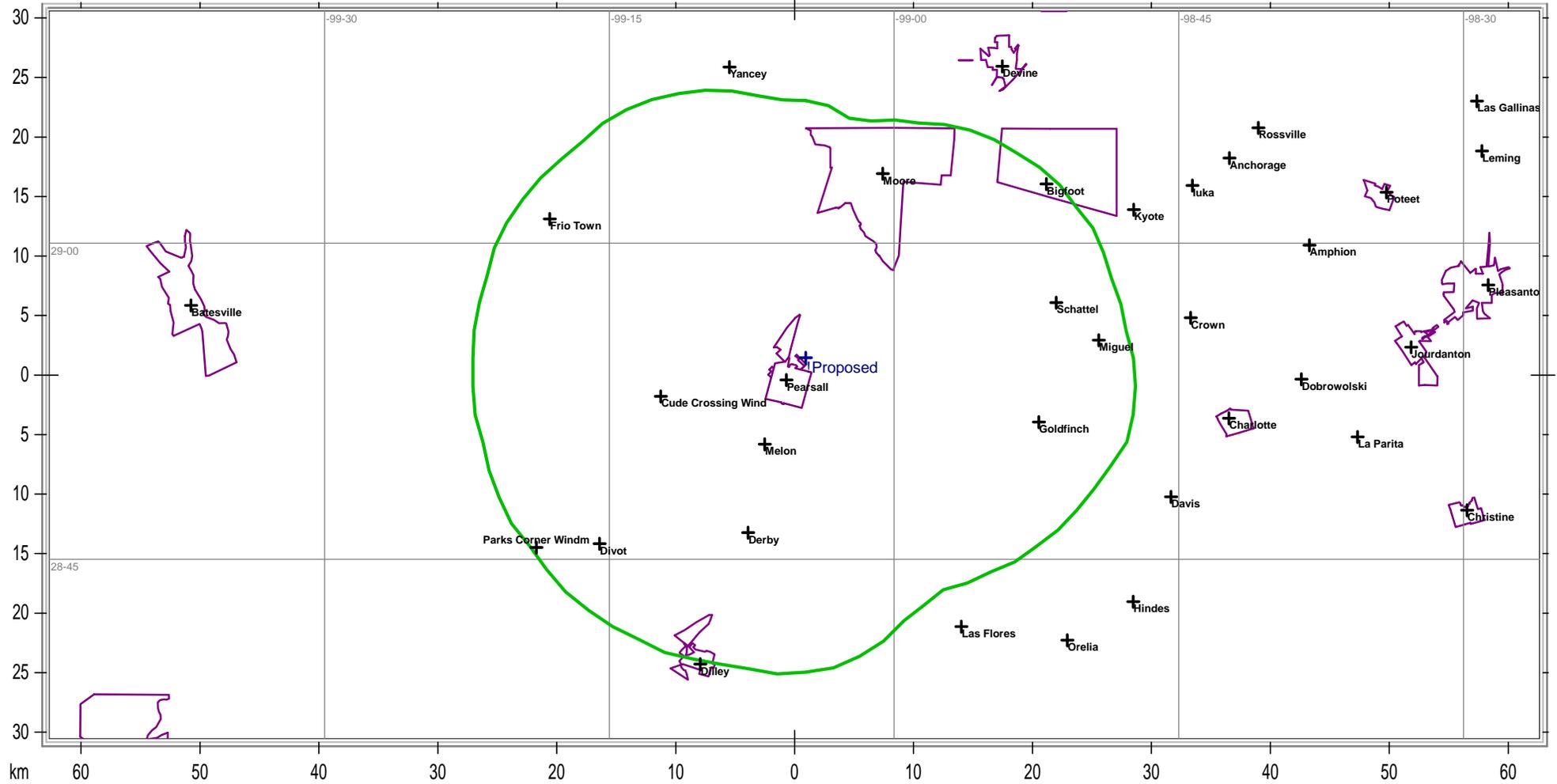
FCC FMMODEL was used to determine uncontrolled exposure to RF fields and this proposal was found to comply with FCC rules for limits. Max exposure is $39 \mu\text{W}/\text{cm}^2$ at 12.4 meters, which is 19.5% of the maximum allowed $200 \mu\text{W}/\text{cm}^2$ of uncontrolled exposure. A study was conducted and no other broadcast radiators were found on this tower. The site is enclosed with a fence and locked gate. Applicant will place necessary signage at the site. Applicant will cease transmission from this location whenever there are workmen on the tower.

**EXHIBIT 2
SPACING
KSAG**

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Sep	Clr
KSAG	TX	PEARSALL	93.3	227	6000	A	CP MOD	0.74	115	-114.3
KKDL	TX	DILLEY	93.7	229	2500	A	LIC	30.64	31	-0.4
KGSR	TX	CEDAR PARK	93.3	227	100000	C	LIC	227.17	226	1.2
KHCU	TX	CONCAN	93.1	226	9900	C3	LIC	94.7	89	5.7
KROM	TX	SAN ANTONIO	92.9	225	45000	C1	LIC	88.91	75	13.9
KSAH-FM	TX	PEARSALL	104.1	281	100000	C1	LIC	37.17	22	15.2
NEW	TX	CARRIZO SPRINGS	93.5	228	6000	A	CP MOD	89.09	72	17.1
KSAH-FM	TX	PEARSALL	104.1	281	20000	C1	CP	40.63	22	18.6
KGWT	TX	GEORGE WEST	93.5	228	25000	C3	LIC	108.98	89	20
KNAL	TX	PORT LAVACA	93.3	227	100000	C1	LIC	223.37	200	23.4
KLIT	TX	RANCHITOS LAS LOMAS	93.3	227	6000	A	LIC	142.11	115	27.1
KLIT	TX	RANCHITOS LAS LOMAS	93.3	227	6000	A	APP	142.11	115	27.1
KLIT	TX	RANCHITOS LAS LOMAS	93.3	227	6000	A	APP	142.11	115	27.1
KLIT	TX	RANCHITOS LAS LOMAS	93.3	227	6000	A	CP MOD	144.11	115	29.1
KBNU	TX	UVALDE	93.9	230	25000	C3	LIC	72.65	42	30.6
KBNU	TX	UVALDE	93.9	230	25000	C3	APP	72.65	42	30.6



State Borders City Borders Lat/Lon Grid



State Borders City Borders Lat/Lon Grid

EXHIBIT 4

AERIAL OF SITE

Legend

 1214856

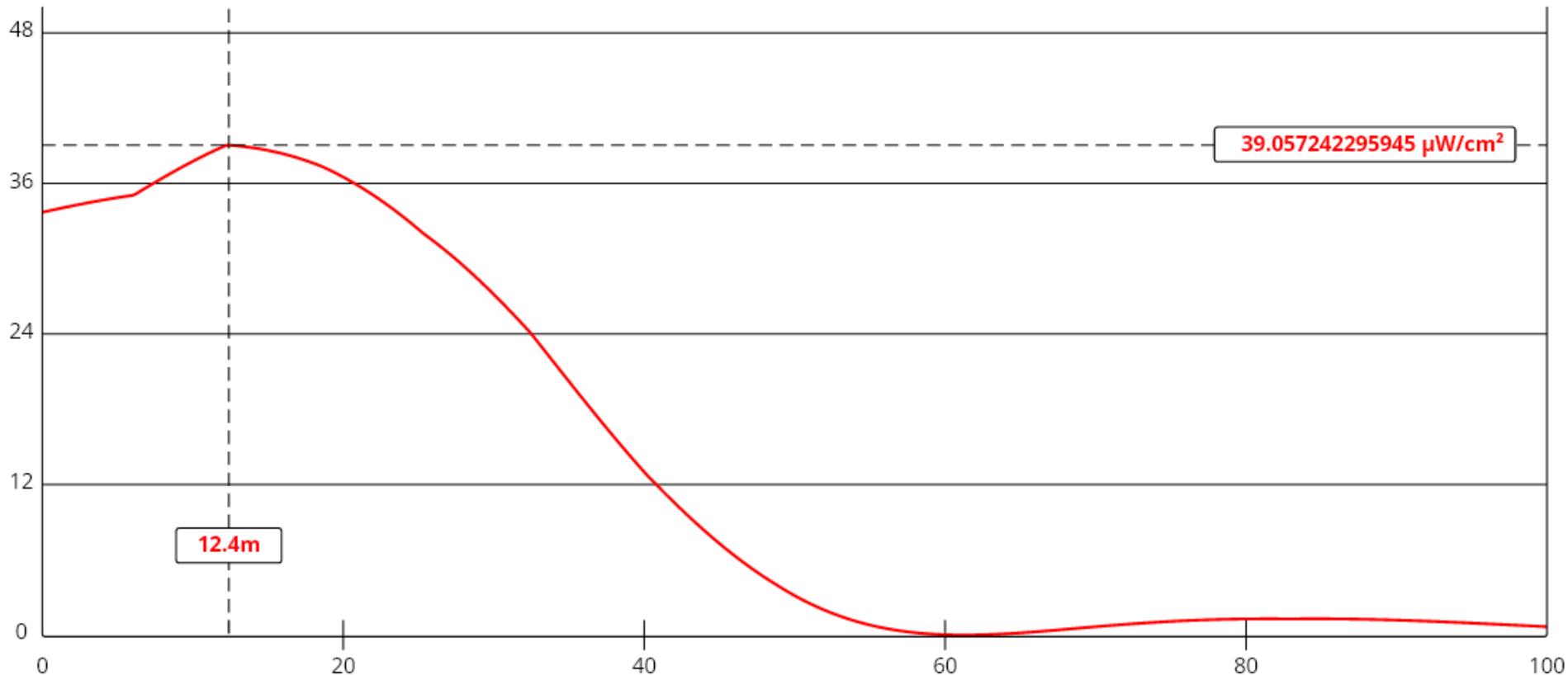
1214856

Google Earth



200 m





[View Tabular Results +](#)

Channel Selection	Channel 227 (93.3 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	<input type="text" value="71.6"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="0"/>	ERP-V (W)	<input type="text" value="6000"/>
Num of Elements	<input type="text" value="4"/>	λ	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	