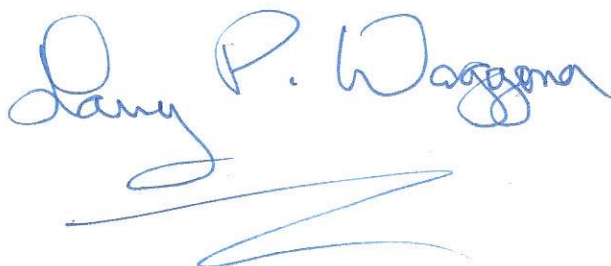


GREAT PLAINS CHRISTIAN RADIO  
LAMAR, COLORADO NEW STATION APPLICATION

This application is for a new Class C3 89.7 MHz non-commercial FM station in Lamar, Colorado. The proposed ASR #1207786 tower is owned by Southeast Colorado Power. A tower access statement is attached to this statement. There are eight stations licensed to Lamar. There is one AM, KLMR AM and three FM's KLMR-FM, KCSE and KVAY. There are four FM translators, K207BI, K211EI, K217EG and K220GA.

The new station will be fully spaced, frequency wise, to all licensed stations in the area. The proposed 60 dBu (1.0 mv/m) contour will cover all of Lamar. The 60 dBu contour will have an area of 2,247 square kilometers. The 2020 US Census shows 9,703 persons living inside the contour area.

The FM Spacing Study for the proposed station, along with the Contour and Station Data, Coverage Map, signed Tower Access Statement and the Technical Certification Requirements are all attached to this report.



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Larry Waggoner

10-28-2021

Project: LAMAR

Site Coordinates: 38-02-10 North 102-35-59 West

NGDC 30-Second Database is used in Continental US

DEM-30 Database is used in AK, HI, and PR.

F(50,50) Contours

Azm (deg)	HAAT (mtrs)	70 dBu (km)	60 dBu (km)	Radial (mtrs)
0	96	18.1	31.1	1119
45	116	20.0	33.9	1099
90	79	16.2	28.4	1136
135	33	10.6	18.9	1182
180	51	13.1	23.3	1164
225	33	10.6	18.9	1182
270	53	13.4	23.7	1162
315	95	18.0	31.0	1120

Data in (feet) meters

Overall Height Above Average Terrain: ( 230) 70 \*

Site Elevation AMSL: ( 3,787) 1,154

Antenna Height Above Ground Level: ( 199) 61

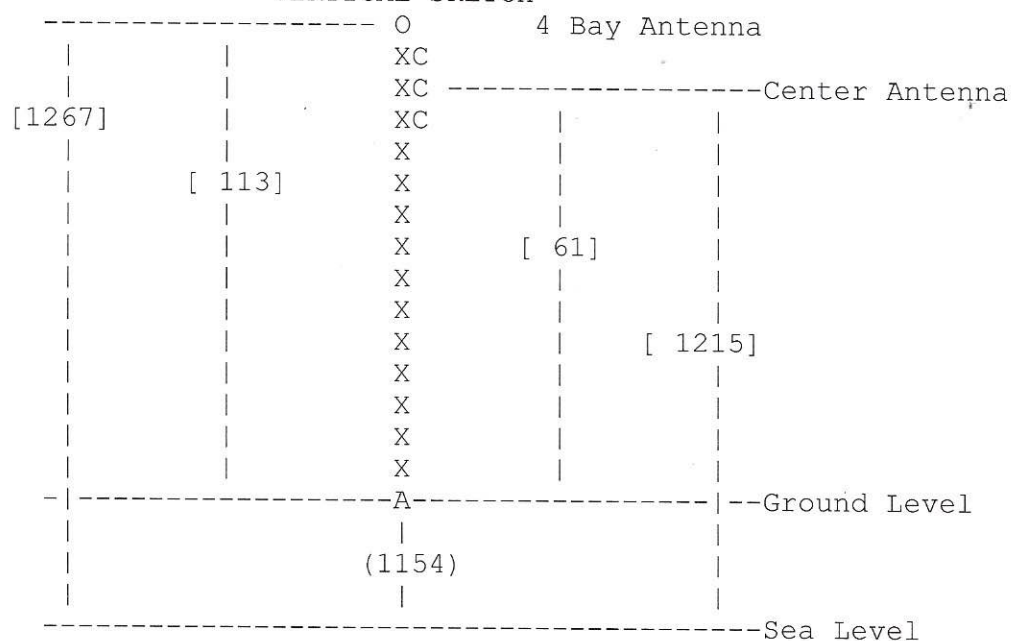
Antenna Center Above Sea Level: ( 3,986) 1,215

Overall Ground Average Terrain AMSL: ( 3,757) 1,145

Effective Radiated Power: 10.00 kW \*

TV/FM Channel: 209

#### VERTICAL SKETCH



FM Study for: LAMAR

FCC Database Date: 10/21/2021 38-02-10

Location: LAMAR, CO

Channel Class: C3 102-35-59

Contours calculated on direct line using 73.509(a)

[\*] by Distance indicates directional antenna used in calculation.

[\*] by HAAT indicates calculated as missing in database.

Call City, State

Chan Class Freq kW Latitude Dist. Required

Status Proponent

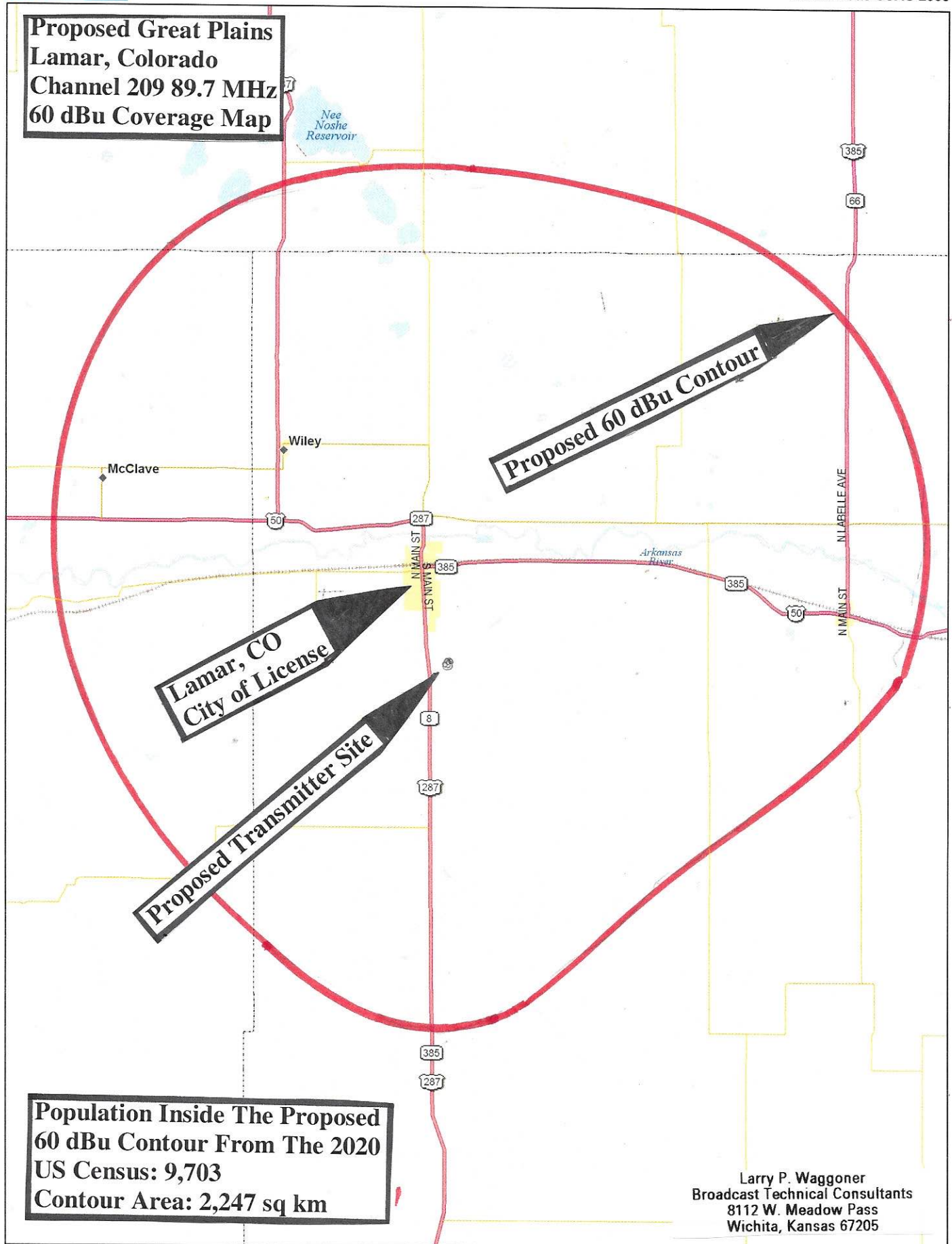
File Number HAAT Longitude Azm. Clear (km)

&gt;&gt;&gt;&gt;&gt;&gt;&gt; Study For Channel 209 89.7 MHz &lt;&lt;&lt;&lt;&lt;&lt;&lt;&lt;

KECC	LA JUNTA, CO	206 A	89.1 .74	37-58-43	86.4	42	
LIC	Fac. No. 90782	BLEED	-20000607ACN 91	103-34-51	266.1	+44.4	CLEAR
KECC	F(50,10) 100 dBu =	2 km,	LAMAR F(50,50)	60 dBu =	27 KM	+58 km	
LAMAR	F(50,10) 100 dBu =	3 km,	KECC F(50,50)	60 dBu =	19 KM	+65 km	
KTSCFM	PUEBLO, CO	208 C3	89.5 8	38-18-38	176.1	99	
LIC	Fac. No. 69148	BLEED	-19880401KB 55	104-34-43	280.6	+77.1	CLEAR
KTSCFM	F(50,10) 54 dBu =	50 km,	LAMAR F(50,50)	60 dBu =	27 KM	+99 km	
LAMAR	F(50,10) 54 dBu =	42 km,	KTSCFM F(50,50)	60 dBu =	33 KM	+101 km	
KTOT	SPEARMAN, TX	208 C0	89.5 100	36-03-44	259.6	163	
LIC	Fac. No. 92623	BLEED	-20021115ABX 325	101-01-59	147.1	+96.6	CLEAR
KTOT	F(50,10) 54 dBu =	104 km,	LAMAR F(50,50)	60 dBu =	27 KM	+129 km	
LAMAR	F(50,10) 54 dBu =	42 km,	KTOT F(50,50)	60 dBu =	71 KM	+146 km	
KEPC	COLORADO SPRINGS, CO	209 C3	89.7 10 +	38-45-41	207.2	153	
LIC	Fac. No. 52595	BLEED	-20050307ACX -78	104-47-07	293.5	+54.2	CLEAR
KEPC	F(50,10) 40 dBu =	69 km,	LAMAR F(50,50)	60 dBu =	27 KM	+111 km*	
LAMAR	F(50,10) 40 dBu =	90 km,	KEPC F(50,50)	60 dBu =	23 KM	+95 km*	
KJWA	TRINIDAD, CO	209 A	89.7 .16	37-14-14	190.9	142	
LIC	Fac. No. 87410	BLEED	-20120628ABP 241	104-30-55	242.9	+48.9	CLEAR
KJWA	F(50,10) 40 dBu =	72 km,	LAMAR F(50,50)	60 dBu =	27 KM	+92 km	
LAMAR	F(50,10) 40 dBu =	90 km,	KJWA F(50,50)	60 dBu =	23 KM	+78 km	
KAIG	DODGE CITY, KS	210 C1	89.9 100	37-55-56	200.8	144	
LIC	Fac. No. 93776	BLEED	-20080624AAV 0	100-19-04	92.6	+56.8	CLEAR
KAIG	F(50,10) 54 dBu =	80 km,	LAMAR F(50,50)	60 dBu =	27 KM	+94 km	
LAMAR	F(50,10) 54 dBu =	42 km,	KAIG F(50,50)	60 dBu =	51 KM	+108 km	
KZNK	BREWSTER, KS	211 C1	90.1 90	39-14-31	171.9	76	
LIC	Fac. No. 174740	BLEED	-20101027AAH 305	101-21-41	38.5	+95.9	CLEAR
KZNK	F(50,10) 100 dBu =	10 km,	LAMAR F(50,50)	60 dBu =	27 KM	+135 km	
LAMAR	F(50,10) 100 dBu =	3 km,	KZNK F(50,50)	60 dBu =	71 KM	+98 km	



**Proposed Great Plains  
Lamar, Colorado  
Channel 209 89.7 MHz  
60 dBu Coverage Map**



**GREAT PLAINS CHRISTIAN RADIO**  
**TOWER ACCESS STATEMENT**  
**LAMAR, COLORADO**

We currently provide transmitter and antenna space (tower: #1207786) to Great Plains Christian Radio in Meade and would be willing to continue working with them in the future if their application for expansion is approved by the Federal Communications Commission.

Full name: Kevin Brandon

Position: Interim CEO

Address: 27850 Harris Road, La Junta, CO 81050

Phone number: 719-980-0463

Email: Kevinb@secpa.com

**GREAT PLAINS CHRISTIAN RADIO, INC.**  
**TECHNICAL CERTIFICATION REQUIREMENTS**

This Great Plains Christian Radio, Inc. non-commercial new station application is in full compliance with the Commission's Technical Certification requirements. The requirements listed in Part 73.203, Availability of Channels, Part 73.207 Minimum Distance Station Separation, Part 73.213 Grandfathered Stations and Part 73.315 Station Location are requirements necessary only for commercial stations. This non-commercial FM band application is in compliance with Part 73.509, dealing with 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> adjacent channel and co-channel contour overlap. It is also in compliance with Part 73.515. The 60 dBu or 1.0 mv/m new station contour will cover the required area of the city of license.