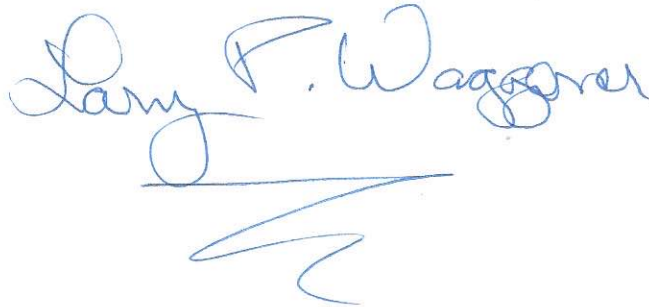


GREAT PLAINS CHRISTIAN RADIO  
FAIRVIEW, OKLAHOMA NEW STATION APPLICATION

This application is for a new Class C3 91.3 MHz non-commercial FM station in Fairview, Oklahoma. The proposed ASR #1056367 tower, for the new station, is now owned by the Major County Oklahoma Sheriff's office in Fairview. A tower access statement, signed by the Sheriff, is attached to this statement. There are only two licensed radio stations in Fairview, KHEV and K204FY.

The new station will be fully spaced, frequency wise, to all licensed stations in the area. The proposed new station tower is located 12 kilometers southwest of Fairview. The proposed 60 dBu (1.0 mv/m) contour will still cover all of Fairview. The 60 dBu contour will have an area of 2,384 square kilometers, with a population of 7,336 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.



*Larry P. Waggoner*  
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*(316) 519-5138*  
*[larry@lpwagg.com](mailto:larry@lpwagg.com)*

Larry Waggoner

10-26-2021

Project: FAIRVIEW

Site Coordinates: 36-13-25 North 98-36-08 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	136	18.1	31.1	437
45	156	19.5	33.1	417
90	149	19.0	32.4	424
135	100	15.3	27.1	473
180	78	13.5	24.1	495
225	63	12.3	21.9	510
270	54	11.4	20.4	519
315	109	16.1	28.2	464

Data in (feet) meters

Overall Height Above Average Terrain: ( 348) 106 \*

Site Elevation AMSL: ( 1,729) 527

Antenna Height Above Ground Level: ( 151) 46

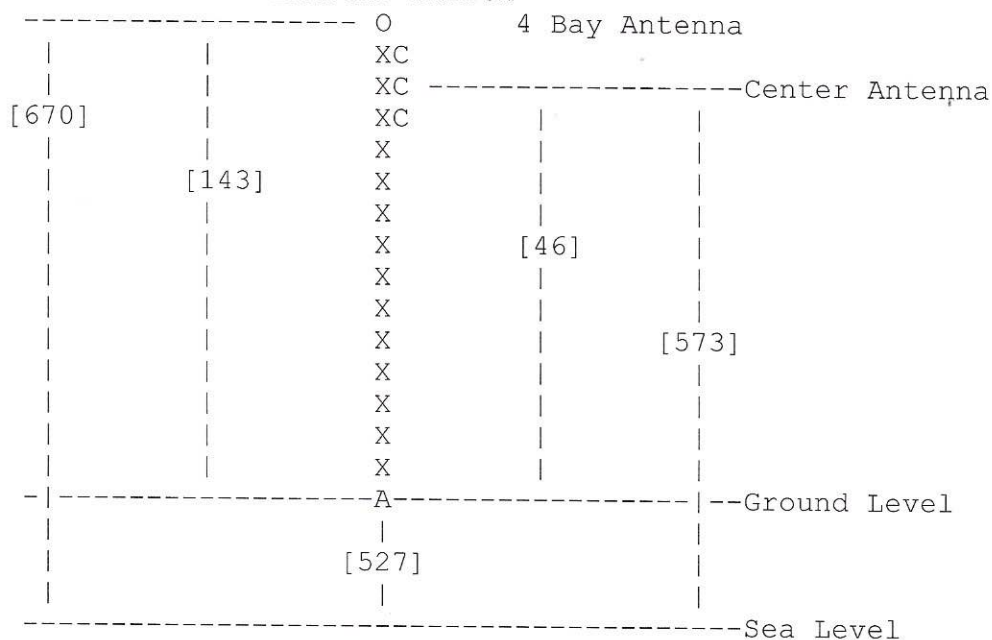
Antenna Center Above Sea Level: ( 1,880) 573

Overall Ground Average Terrain AMSL: ( 1,532) 467

Effective Radiated Power: 5.0000 kW \*

TV/FM Channel: 217

#### VERTICAL SKETCH



FM Study for: FAIRVIEW  
Location: FAIRVIEW, OK

FCC Database Date: 10/14/2021 36-13-25  
Channel Class: C3 98-36-08

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.

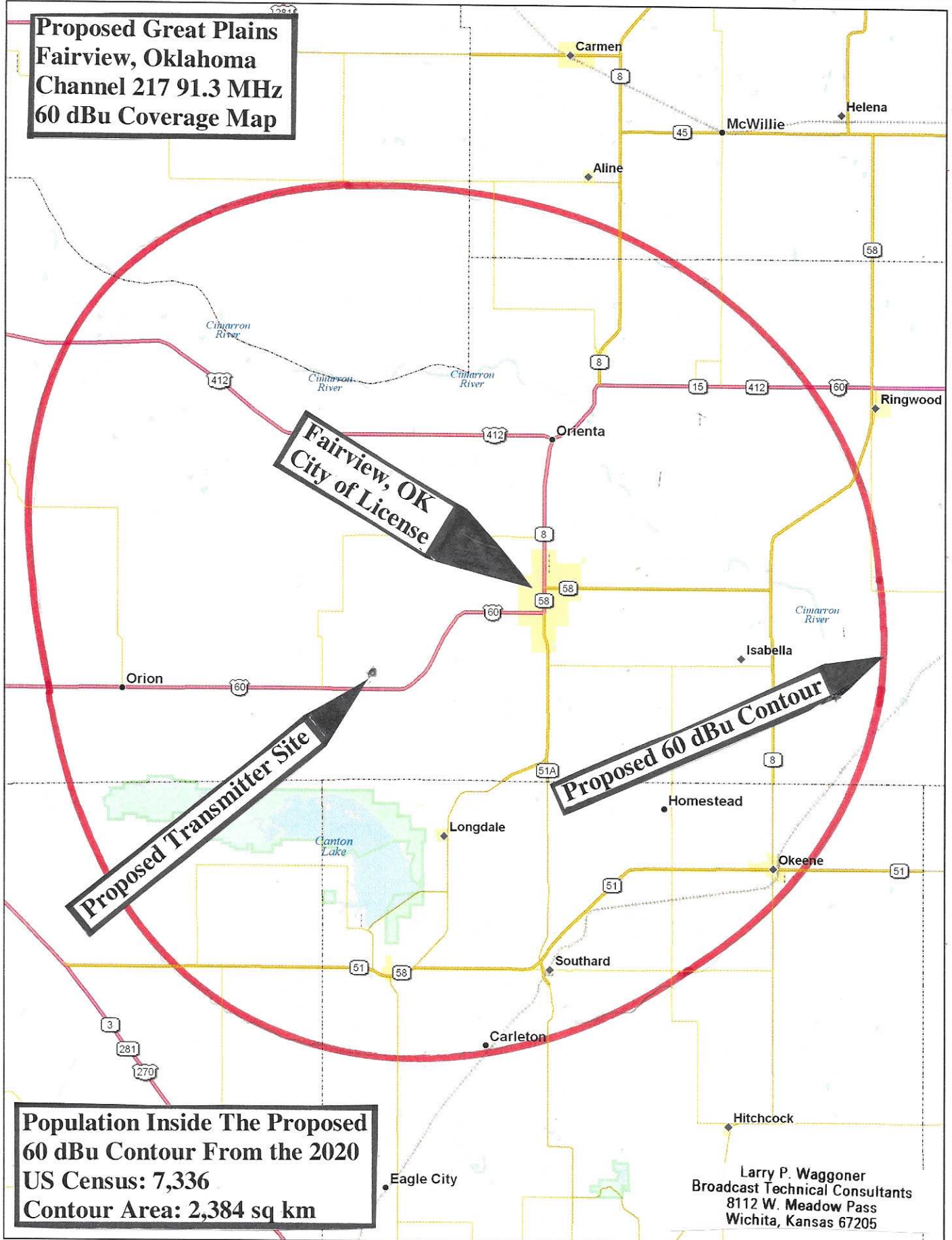
Call	City, State	Chan Class	Freq	kW	Latitude	Dist.	Required
Status	Proponent	File Number	HAAT	Longitude	Azm.	Clear (km)	

>>>>>>> Study For Channel 217 91.3 MHz <<<<<<<<

KJOV	WOODWARD, OK	214 C2	90.7	26.0	36-24-08	76.9	56	
LIC	Fac. No. 73666	-20000126060	97		99-25-48	285.2	+20.9	CLEAR
KJOV	F(50,10) 100 dBu =	5 km, FAIRVIF(50,50)	60 dBu =	28 KM			+45 km	
FAIRVI	F(50,10) 100 dBu =	3 km, KJOV F(50,50)	60 dBu =	43 KM			+31 km	
KKRD	ENID, OK	216 A	91.1	.45	36-23-57	67.7	89	
LIC	Fac. No. 19603	BLED -20180312ABL	63		97-52-49	73.1	-21.3	SHORT
KKRD	F(50,10) 54 dBu =	17 km, FAIRVIF(50,50)	60 dBu =	28 KM			+23 km	
FAIRVI	F(50,10) 54 dBu =	43 km, KKRD F(50,50)	60 dBu =	12 KM			+13 km	
KJRF	LAWTON, OK	216 C1	91.1	100 +	34-41-22	175.6	144	
LIC	Fac. No. 82987	BLED -20091211AFN	126		98-07-35	165.6	+31.6	CLEAR
KJRF	F(50,10) 54 dBu =	61 km, FAIRVIF(50,50)	60 dBu =	28 KM			+87 km*	
FAIRVI	F(50,10) 54 dBu =	43 km, KJRF F(50,50)	60 dBu =	40 KM			+93 km*	
KAKO	ADA, OK	217 C1	91.3	100 +	35-13-36	187.5	211	
LIC	Fac. No. 82836	BLED -20060310AEC	0		96-55-43	125.7	-23.5	SHORT
KAKO	F(50,10) 40 dBu =	146 km, FAIRVIF(50,50)	60 dBu =	28 KM			+13 km*	
FAIRVI	F(50,10) 40 dBu =	85 km, KAKO F(50,50)	60 dBu =	51 KM			+52 km*	
KAXR	ARKANSAS CITY, KS	217 C3	91.3	9.3	36-55-32	161.1	153	
LIC	Fac. No. 85167	BMLED-20170309AAW	98		97-01-35	60.6	+8.1	CLOSE
KAXR	F(50,10) 40 dBu =	94 km, FAIRVIF(50,50)	60 dBu =	28 KM			+39 km	
FAIRVI	F(50,10) 40 dBu =	85 km, KAXR F(50,50)	60 dBu =	32 KM			+45 km	
KSNS	MEDICINE LODGE, KS	218 C1	91.5	96	37-14-02	112.3	144	
LIC	Fac. No. 83614	BLED -20080102AAA	0		98-39-56	357.1	-31.7	SHORT
KSNS	F(50,10) 54 dBu =	80 km, FAIRVIF(50,50)	60 dBu =	28 KM			+5 km	
FAIRVI	F(50,10) 54 dBu =	43 km, KSNS F(50,50)	60 dBu =	50 KM			+19 km	
KOSU	STILLWATER, OK	219 C0	91.7	100	35-46-50	108.9	87	
LIC	Fac. No. 50220	BLED -20050923AEE	308		97-31-30	116.5	+21.9	CLEAR
KOSU	F(50,10) 100 dBu =	10 km, FAIRVIF(50,50)	60 dBu =	28 KM			+71 km	
FAIRVI	F(50,10) 100 dBu =	3 km, KOSU F(50,50)	60 dBu =	73 KM			+33 km	



**Proposed Great Plains  
Fairview, Oklahoma  
Channel 217 91.3 MHz  
60 dBu Coverage Map**



**Population Inside The Proposed  
60 dBu Contour From the 2020  
US Census: 7,336  
Contour Area: 2,384 sq km**

**Larry P. Waggoner  
Broadcast Technical Consultants  
8112 W. Meadow Pass  
Wichita, Kansas 67205**

**GREAT PLAINS CHRISTIAN RADIO**  
**TOWER ACCESS STATEMENT**  
**FAIRVIEW, OKLAHOMA**

We currently provide transmitter and antenna space (tower: #1056367) 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: *Darin Reames*

Position: *Sheriff*

Address: *500 E Broadway suite #4 Fairview, OK 73737*

Phone number: *580-227-4471*

Email: *SheriffReames@gmail.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.