

GREAT PLAINS CHRISTIAN RADIO  
GARDEN CITY, KANSAS NEW STATION APPLICATION

This application is for a new Class C3 88.9 MHz non-commercial FM station in Garden City, Kansas. The proposed ASR #1032872 tower for the new station is owned by Snyder Radio Services. A signed Snyder tower access statement is attached to this statement. There are ten licensed radio stations in Garden City. The AM stations are KIUL and KGGS. The three FM stations are KKJQ, KANZ and KZGC-FM. There are two low power FM stations, KSGC-LP and KBFZ-LP. Three FM translators are licensed to Garden City, K285HE, K300BC and K275CT, There is one AM KBUF and one FM translator K296HO licensed to near by Holcomb, Kansas.

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 easily covers all of Garden City. The 60 dBu contour will have an area of 2,692 square kilometers, with a population of 38,470 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

10-26-2021

Project: GARDENC

Site Coordinates: 37-59-35 North 100-54-04 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	94	17.4	30.1	872
45	85	16.4	28.7	881
90	91	17.1	29.6	875
135	106	18.6	31.8	860
180	91	17.1	29.6	875
225	78	15.7	27.6	888
270	87	16.6	29.0	879
315	77	15.6	27.4	889

Data in (feet) meters

Overall Height Above Average Terrain: ( 292) 89 \*

Site Elevation AMSL: ( 2,848) 868

Antenna Height Above Ground Level: ( 321) 98

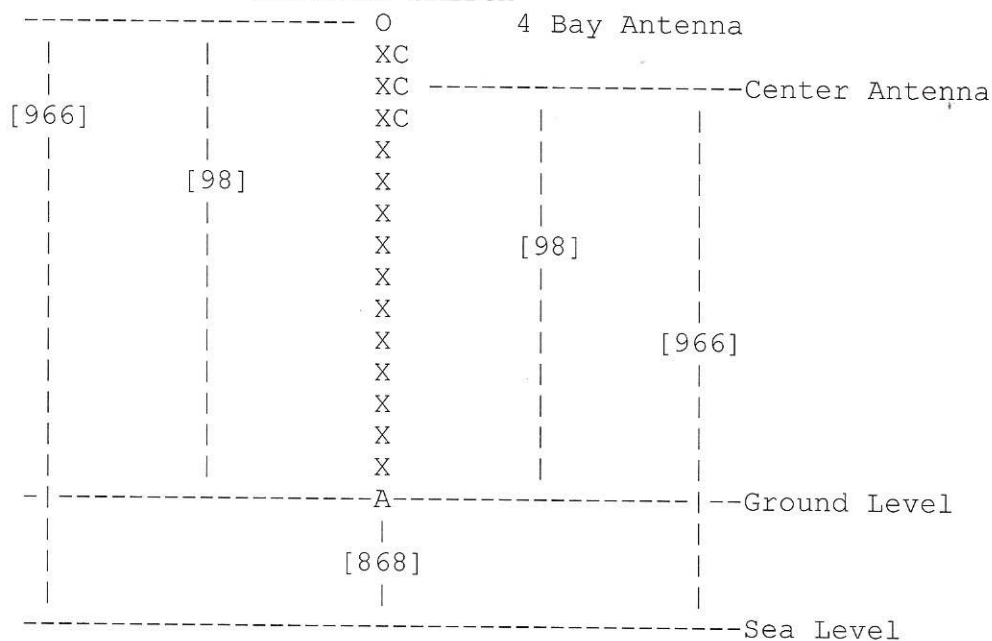
Antenna Center Above Sea Level: ( 3,169) 966

Overall Ground Average Terrain AMSL: ( 2,877) 877

Effective Radiated Power: 9.0000 kW \*

TV/FM Channel: 205

#### VERTICAL SKETCH



FM Study for: GARDENC

FCC Database Date: 10/14/2021 37-59-35

Location: GARDEN CITY, KS

Channel Class: C3 100-54-04

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

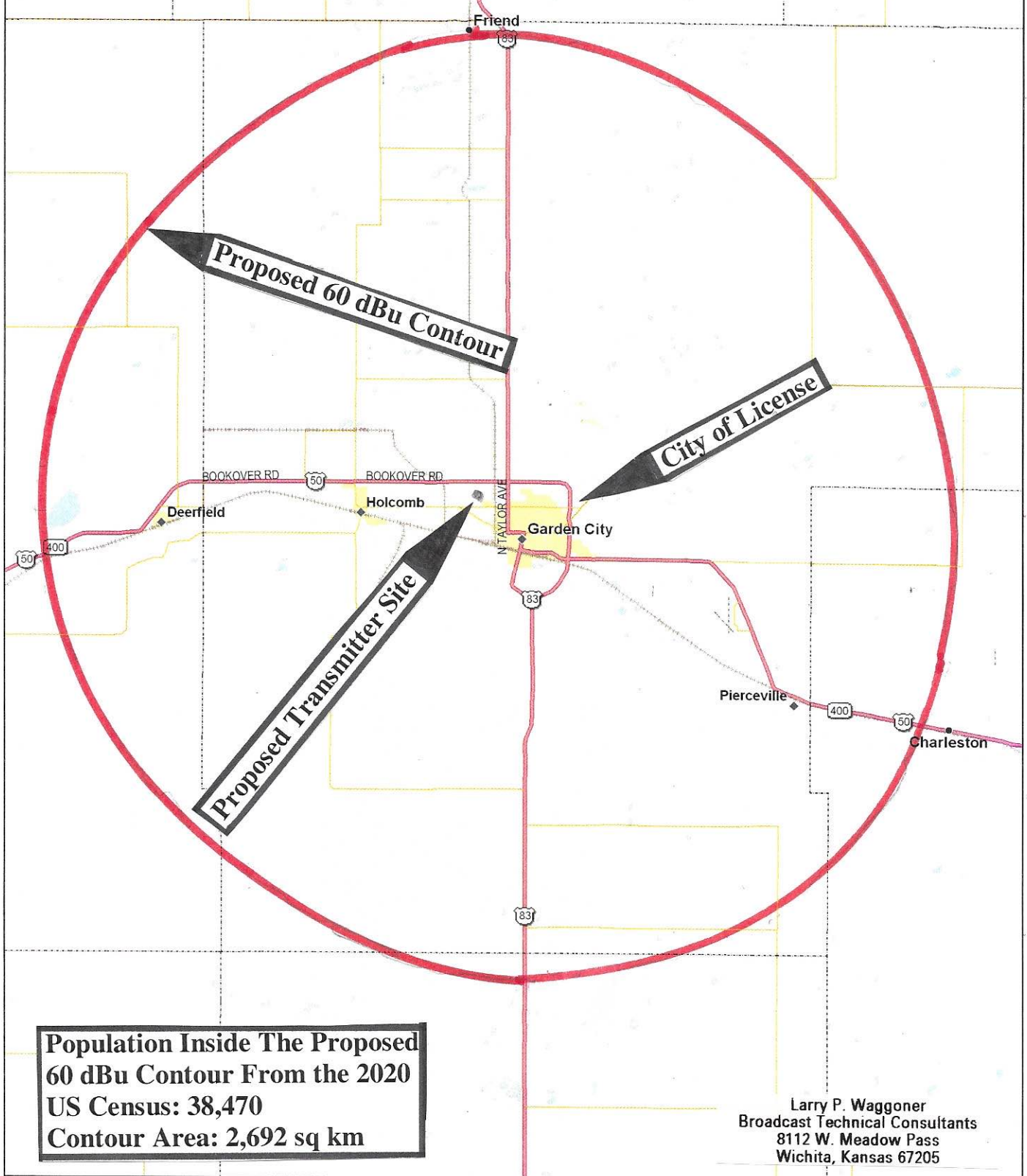
File Number HAAT Longitude Azm. Clear (km)

&gt;&gt;&gt;&gt;&gt;&gt;&gt; Study For Channel 205 88.9 mHz &lt;&lt;&lt;&lt;&lt;&lt;&lt;&lt;

KJLJ	SCOTT CITY, KS	203 C3	88.5	25	38-32-55	61.9	43	
LIC	Fac. No. 174179	BLEED	-20101227ABD	89	100-57-38	355.2	+18.9	CLEAR
KJLJ	F(50,10) 100 dBu =	4 km,	GARDENF(50,50)	60 dBu =	29 KM	+28 km		
GARDEN	F(50,10) 100 dBu =	3 km,	KJLJ F(50,50)	60 dBu =	40 KM	+19 km		
KNGM	GUYMON, OK	205 C3	88.9	25	36-40-25	154.87	153	
LIC	Fac. No. 174174	BLEED	-20100513ALR	98	101-28-12	199.2	+1.87	CLOSE
KNGM	F(50,10) 40 dBu =	115 km,	GARDENF(50,50)	60 dBu =	29 KM	+10 km		
GARDEN	F(50,10) 40 dBu =	91 km,	KNGM F(50,50)	60 dBu =	40 KM	+23 km		
KPRD	HAYS, KS	205 C1	88.9	83	38-46-16	207.8	211	
LIC	Fac. No. 66273	BLEED	-19940902KF	194	98-44-18	64.8	-3.2	SHORT
KPRD	F(50,10) 40 dBu =	155 km,	GARDENF(50,50)	60 dBu =	29 KM	+24 km		
GARDEN	F(50,10) 40 dBu =	91 km,	KPRD F(50,50)	60 dBu =	60 KM	+56 km		
KSRP	DODGE CITY, KS	206 A	89.1	1	37-43-17	88.46	89	
LIC	Fac. No. 176783	BLEED	-20160802ACB	0	99-57-22	109.6	-0.54	SHORT
KSRP	F(50,10) 54 dBu =	27 km,	GARDENF(50,50)	60 dBu =	29 KM	+32 km		
GARDEN	F(50,10) 54 dBu =	46 km,	KSRP F(50,50)	60 dBu =	19 KM	+24 km		
KSRP	DODGE CITY, KS	206 C3	89.1	12.0	37-47-56	66.9	99	
APP	Fac. No. 176783		-20000158773	67	100-10-51	108.6	-32.1	SHORT
KSRP	F(50,10) 54 dBu =	32 km,	GARDENF(50,50)	60 dBu =	29 KM	+6 km		
GARDEN	F(50,10) 54 dBu =	46 km,	KSRP F(50,50)	60 dBu =	21 KM	+0 km		



**Proposed Great Plains  
Garden City, Kansas  
Channel #210 89.9 MHz  
60 dBu Coverage Map**



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**GREAT PLAINS CHRISTIAN RADIO**  
**TOWER ACCCESS STATEMENT**  
**GARDEN CITY, KANSAS**

We own tower #1032872 in the town of Garden City, Kansas. Great Plains Christian Radio in Meade has approached us about renting space on the tower and we are willing to work with them to provide tower space if their application for expansion is approved by the Federal Communications Commission.

Full name:

Scott Snyder

Position:

V.P.

Address:

2307 W MARY ST. Garden City Ks 67846

Phone number:

620-276-2434 cell 620-272-1093

Email:

Snydesradio@KSCoxmail.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.