

Application Purpose

The purpose of this KLWC license modification is to change the licensed geographical coordinates to match the geographic coordinates of the Antenna Structure Registration. No other changes are proposed.

Since the coordinates of the KLWC license and the Antenna Structure Registration (ASR 1009562) coordinates are separated at a distance of less than 3 seconds latitude and/or 3 seconds longitude, this corrective form can be filed. A Construction Permit Application is not necessary as stated in 47 C.F.R Section 73.1690(c)(11).

No physical changes have occurred. There is no change in site elevation, center of radiation, or overall tower height.

Exhibit 1 shows the corrected coordinate spacing to all licensed and proposed facilities remains in compliance with 73.509 contour protection requirements.

Exhibit 2 demonstrates continued coverage of the Community of License utilizing the measured pattern from the Antenna Proof of Performance.

Exhibit 3 is the FCC Antenna Structure Registration Information for ASR 1009562

Channel Study

REFERENCE		CH# 206C1- 89.1 MHz, Pwr= 7.3 kW, HAAT= 558.0 M, COR= 2518.9 M								DISPLAY DATES	
42 44 25.9 N.		Average Protected F(50-50)= 62.5 km								DATA 05-01-23	
106 18 26.0 W.		Omni-directional								SEARCH 05-02-23	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
206C1 Casper	KLWC!	LIC	CN WY	158.9 338.9	0.06 0000180866	42 44 24.00 106 18 25.00	7.300 558		---Reference---		
209D Casper	K209CS!	LIC	DVN WY	270.0 89.9	4.30 BLFT19981201TD	42 44 25.80 106 21 36.00	0.010 551	0.1 2472	6.2 Pensacola Christian Colleg	-49.5*<	-6.8*<
206D Sinclair	K206AJ!	LIC	CN WY	213.3 32.6	140.60 BLFT20040209ABF	41 40 45.80 107 14 10.10	0.250 299	78.3 2495	26.1 University Of Wyoming	3.2	-25.3<
205C2 Saratoga	KAIW	LIC	CN WY	188.7 8.5	124.84 BLED20170208AAL	41 37 48.90 106 32 02.90	0.580 996	74.1 3339	50.0 University Of Wyoming	4.7	6.6
206C2 Hudson	KMJB	LIC	CN WY	265.6 83.9	197.55 0000188848	42 34 41.80 108 42 48.40	3.000 406	134.5 2762	57.3 Western Inspirational Broa	10.0	12.2
204C1 Douglas	KRKY-FM	CP	HN WY	81.1 261.9	88.46 0000162803	42 51 28.90 105 14 04.90	60.000 101	5.3 1658	47.5 Cedar Cove Broadcasting, I	24.0	35.9
204C3 Douglas	KRKY-FM	LIC	HN WY	81.1 261.9	88.46 0000101347	42 51 28.90 105 14 04.90	23.000 101	4.1 1658	39.5 Cedar Cove Broadcasting, I	25.3	43.9
208C1 Jeffrey City	762750	CP	CN WY	245.8 64.9	114.16 0000167733	42 18 44.10 107 34 24.80	8.000 652	5.7 2823	73.6 University Of Wyoming	48.9	35.5
205A Gillette	KLOF	LIC	CN WY	22.2 202.8	176.77 BLED20121001AMV	44 12 33.90 105 28 06.00	1.400 121	30.4 1549	20.6 Educational Media Foundati	73.5	49.7

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= - Zone 2, Co to 3rd adjacent.

All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

< = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap

Overlap Population Report
KLWC (206) / Casper, WY

Overlap Area Type: Intersection

Areas Included:

KLWC (206): FCC F(50-50) 60.00 dBu (FCC HAAT)

PLST: Casper, WY

Population Database: 2020 US Census (PL)

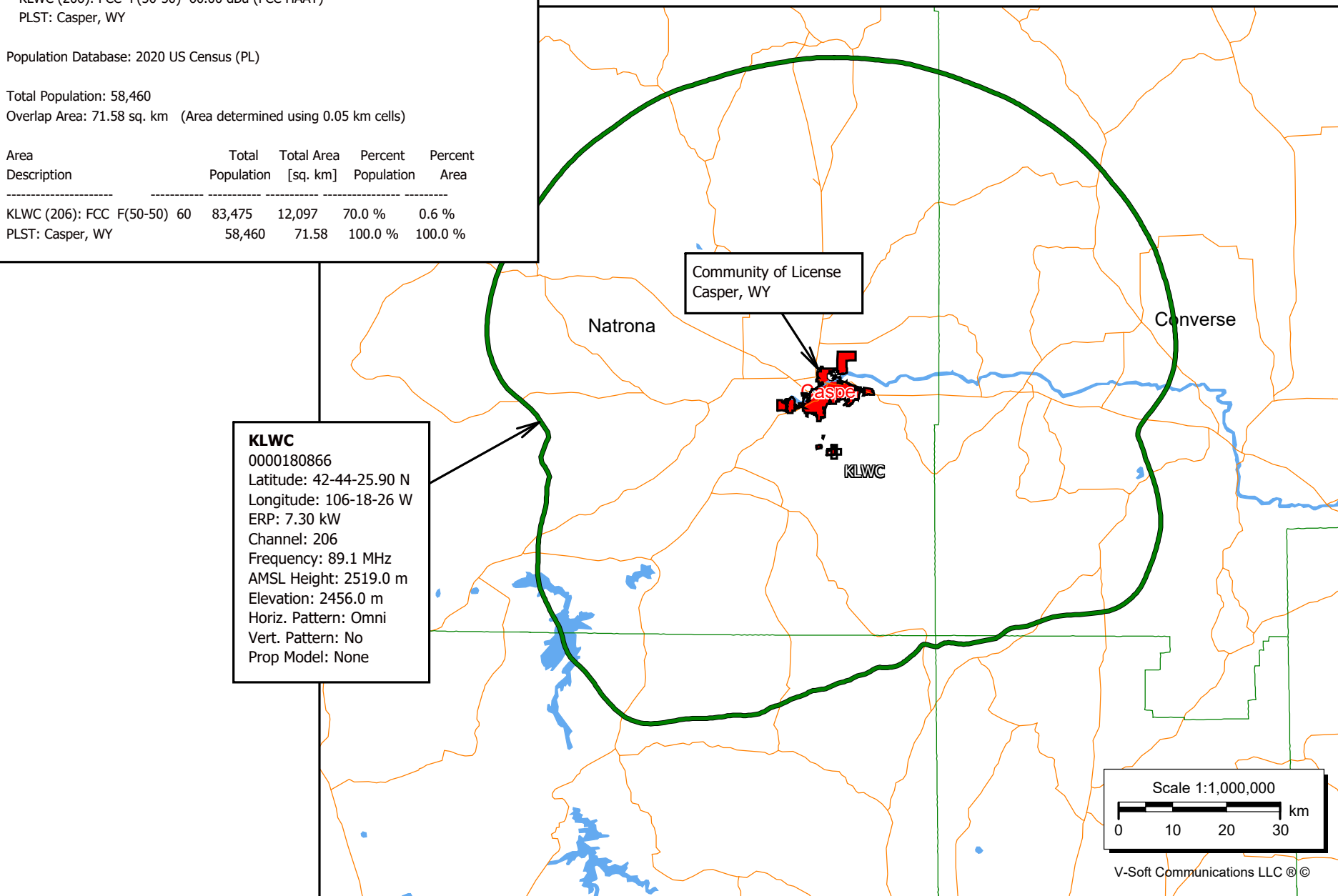
Total Population: 58,460

Overlap Area: 71.58 sq. km (Area determined using 0.05 km cells)

Area Description	Total Population	Total Area [sq. km]	Percent Population	Percent Area
KLWC (206): FCC F(50-50) 60	83,475	12,097	70.0 %	0.6 %
PLST: Casper, WY	58,460	71.58	100.0 %	100.0 %

Community of License Coverage

Note: 100% of the Area and Population are contained within the KLWC 60dbu Service Contour



Registration 1009562 [Map Registration](#)

Registration Detail			
Reg Number	1009562	Status	Granted
File Number	A1243524	Constructed	01/01/1989
EMI	No	Dismantled	
NEPA	No		
Antenna Structure			
Structure Type	GTOWER - Guyed Structure Used for Communication Purposes		
Location (in NAD83 Coordinates)			
Lat/Long	42-44-25.9 N 106-18-26.0 W	Address	ON CASPER MOUNTAIN 10 KM S
City, State	CASPER , WY		
Zip	82601	County	NATRONA
Center of AM Array		Position of Tower in Array	
Heights (meters)			
Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)		
2456.7	107.6		
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances		
2564.3	107.6		
Painting and Lighting Specifications			
FAA Chapters 4, 6, 9 Paint and Light in Accordance with FAA Circular Number 70/7460-1G			
FAA Notification			
FAA Study	2023-ANM-332-OE	FAA Issue Date	04/27/2023
Owner & Contact Information			
FRN	0003231842	Owner Entity Type	Corporation
Owner			
WESTERN INSPIRATIONAL BROADCASTERS INC Attention To: Tim Weidemann 6363 Highway 50 East Carson city , NV 89701		P: (775)883-5647 F: E: info@pilgrimradio.com	
Contact			
Weidemann , Tim Attention To: Tim Weidemann 6363 Highway 50 East Carson city , NV 89701		P: (775)883-5647 F: E: info@pilgrimradio.com	
Last Action Status			
Status	Granted	Received	04/28/2023
Purpose	Modification	Entered	04/28/2023
Mode	Interactive		
Related Applications			
04/28/2023	A1243524 - Modification (MD)		
04/28/2023	- Admin Update (AU)		
11/29/1996	A0011377 - New (NE)		
Comments			
Comments			
None			
History			
Date	Event		
04/28/2023	Modification Received		
04/04/2013	FRN association email sent: CORES email		
Pleadings			

Pleading Type	Filer Name	Description	Date Entered
None			
Automated Letters			
None			

CLOSE WINDOW