

# New Hope Baptist Church

Silver City, NM

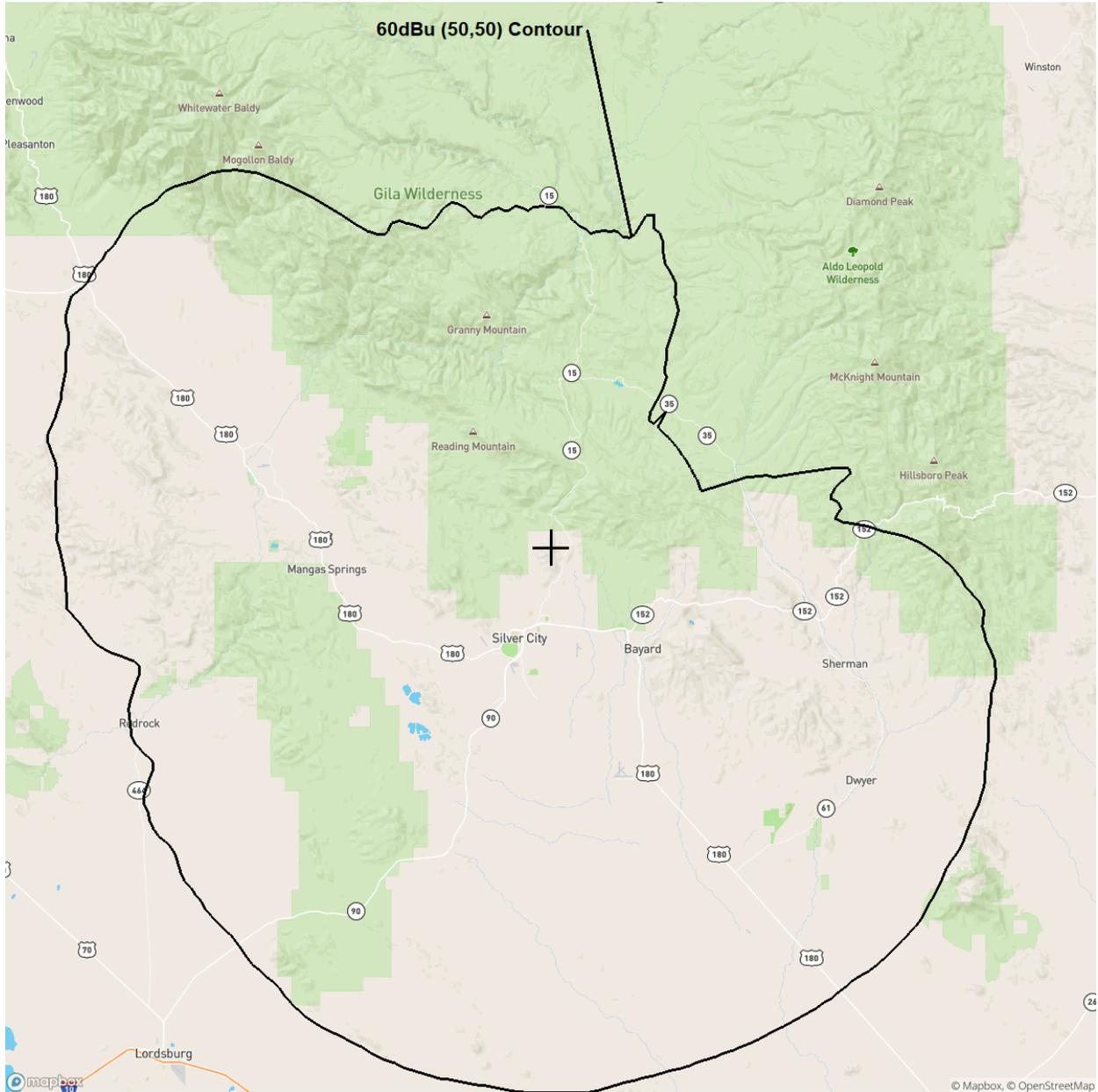
## Technical Certifications

As shown below, the proposed facility meets the applicable engineering standards and assignment requirements of 47 CFR §73.203, §73.207, §73.213, §73.215, §73.509, and §73.515.

New Hope Baptist Church New FM Station											
REFERENCE	CH#	212C1 - 90.3 MHz, Pwr= 10 kW, HAAT= 343.8 M, COR= 2379.2 M							DISPLAY DATES		
32 51 45.69 N. 108 14 29.40 W.		Average Protected F(50-50)= 52.95 km Omni-directional							DATA 11-09-21 SEARCH 11-09-21		
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*	
212D Silver City	K212EH	LIC_VN NM	4.1 184.1	0.10 BLFT19960626TD	32 51 49.20 108 14 29.10	0.002 461	35.3 2507	8.0 Vcy America, Inc.	-76.7*	-114.8*	
06 -- Lordsburg	K06QV-D«	CP_DHN NM	218.6 38.3	77.58 0000153207	32 18 57.61 108 45 22.30	3.000	45.9 1518	28.8	74.6R	3.0M	
212D Las Cruces	K212GF	LIC_CN NM	109.8 290.6	147.46 BLFT20160304ABS	32 24 15.30 106 45 49.00	0.007 149	25.8 1466	7.7 CSN International	66.2	7.8	
06 -- Radium Springs	K06QK-D«	CP__N NM	82.7 263.2	95.35 BNPDVL-20090917ACZ	32 58 04.20 107 13 39.00	3.000	25.4 2340	61.5	86.9R	8.5M	
211A Reserve	KDNM	LIC_CN NM	332.8 152.5	106.05 BMLED20131209AAB	33 42 35.10 108 45 58.20	0.100 -229	8.0 1824	5.6 Kute, Inc.	43.1	33.4	
215C Safford	VA9006	VAC__N AZ	269.0 88.2	137.80	32 50 00.23 109 42 59.30	100.000 600	14.4 1598	94.4	65.9	37.9	
215C2 Thatcher	KSFQ	LIC_VN AZ	272.0 91.4	101.08 BLED20121121ASL	32 53 22.20 109 19 25.20	0.600 687	1.7 1980	44.9 Good News Radio Broadcasti	41.6	50.4	
210D Clifton	K210EF	LIC_VN AZ	271.8 91.3	100.20 BLFT20071129AJR	32 53 13.20 109 18 51.20	0.010 710	0.2 1996	15.5 Advance Ministries, Inc Db	42.2	79.1	

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.  
 All separation margins (if shown) include rounding. Call signs with strikeout 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.  
 Reference station has protected zone issue: Mexico

The map below demonstrates community coverage requirements for the city of license, fulfilling the requirement of 47 CFR §73.515, NCE FM transmitter location.



## Environmental Effect

The proposed facility is excluded from environmental processing under 47 CFR §1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

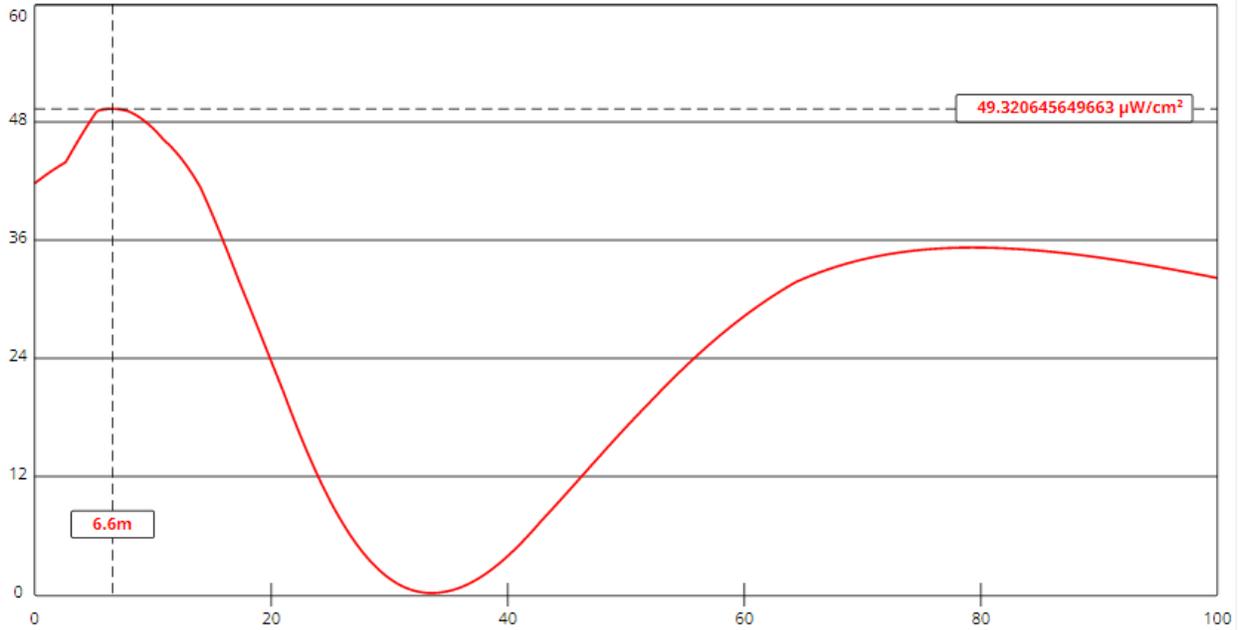
The proposed site is not in an officially designated wilderness area, wildlife preserve, flood plain, or near a site that is either listed or eligible for listing in the National Register of Historic Places. The proposed construction will not adversely affect any listed or proposed threatened or endangered species or their critical habitats, or any sites significant to Native American Religious practice, and will not involve any significant change in surface features. The applicant does not propose to light the antenna support structure with high intensity white lighting.

The proposed facility is located on an existing tower, which has fencing with a locked gate preventing public access. The applicant proposes a 3 bay  $\frac{1}{2}$ -wave spaced circularly polarized antenna. There are no other broadcast emitters located on the tower.

Shown below is the output of the Commission's FM Model program, with a maximum calculated exposure of  $49.32 \mu\text{W}/\text{cm}^2$ , well below the maximum permissible exposure for the general public, or 24.66% of the limit of  $200 \mu\text{W}/\text{cm}^2$ .

The applicant is cognizant of its responsibility to protect those workers whose duties require that they be in the vicinity of the antenna from exposure to radio frequency fields in excess of those outlined above. To that end, signage will be attached to the base of the antenna support structure warning all workers of the potential for harmful exposure and directing them to contact the responsible person at the broadcast station. That person will ascertain whether the worker will be in areas where there is an exposure hazard, and if so, arrange to shut down the transmitter(s). The permittee/licensee will also coordinate with other users of the site to reduce power or cease operation in order to protect persons having access to the site, tower or antenna from radiofrequency radiation in excess of Commission guidelines.

For these reasons, the applicant believes that a Commission grant of this application would not have a significant environmental impact.



[View Tabular Results +](#)

Channel Selection	Channel 212 (90.3 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	<input type="text" value="32"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="10000"/>	ERP-V (W)	<input type="text" value="10000"/>
Num of Elements	<input type="text" value="3"/>	Element Spacing (λ)	<input type="text" value="0.5"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

### **Reasonable Site Assurance**

The applicant has site assurance for use of the proposed site. Contact information:

Meredith Norris, Agent, 602-845-1776