

Victory Baptist Church

Springfield, OH

Technical Certifications

As shown below (next page), the proposed facility meets the applicable engineering standards and assignment requirements of 47 CFR §73.807(a) through (g), and §73.825

LPFM Channel Study Victory Baptist Church

REFERENCE		DISPLAY DATES
39 54 10.58 N.	CLASS = L1	DATA 12-07-23
83 50 56.32 W.	Current Spacings to 2nd Adj.	SEARCH 12-14-23
----- Channel 248 - 97.5 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
WVNU	LIC 248A	Greenfield	OH 142.3	69.51	66.5	3.0
WBNS-FM	LIC 246B	Columbus	OH 83.6	70.60	66.5	4.1
WOXY	LIC 249A	Mason	OH 225.1	60.84	55.5	5.3
WNCI	LIC-D 250B	Columbus	OH 83.9	72.71	66.5	6.2
WSWO-LP	LIC 247L1	Huber Heights	OH 251.6	27.13	13.5	13.6
WTGR	LIC-Z 248A	Union City	OH 292.0	87.23	66.5	20.7
W246CQ	LIC 246D	Dayton	OH 218.0	46.94	13.5	33.4
WYGY	LIC 247A	Fort Thomas	KY 216.7	97.15	55.5	41.7
WTGN	LIC-Z 249A	Lima	OH 345.8	97.80	55.5	42.3

Reference station has protected zone issue: Canada
All separation margins include rounding

The proposed facility's 60dBu service contour is 5.56 km, meeting the requirements of 47CFR §73.811, which specifies that the contour will be between 4.7 and 5.6 km.

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).

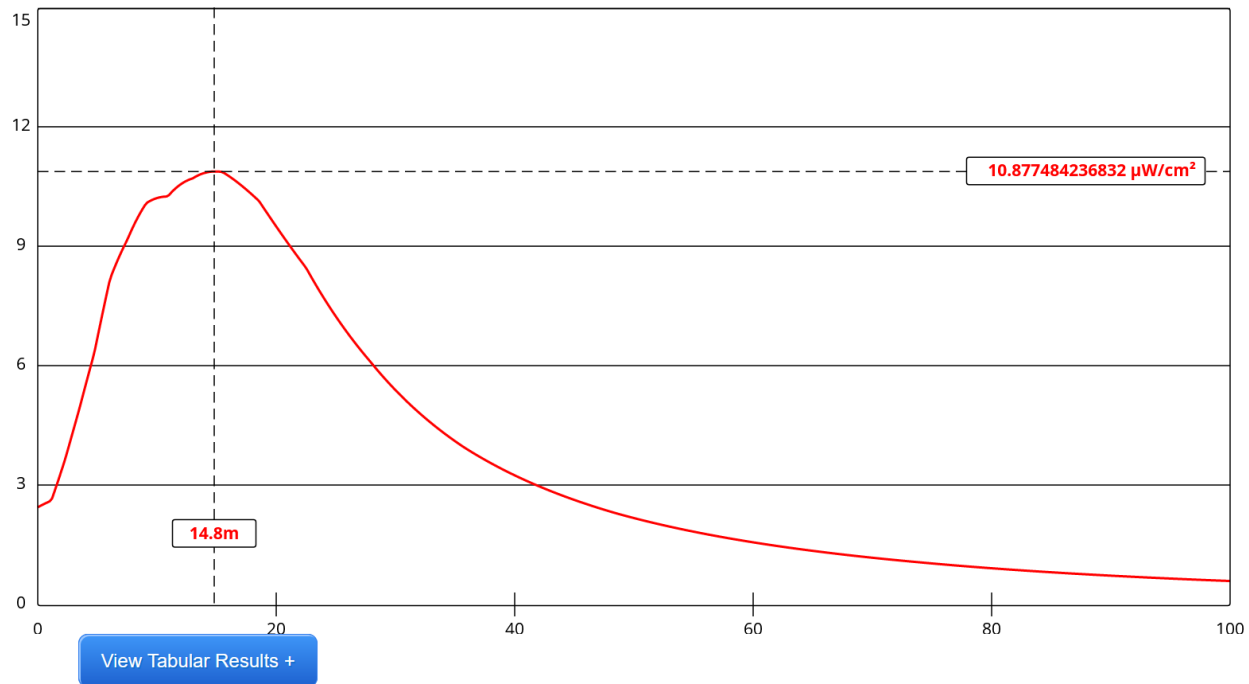
The proposed site is not in an officially designated wilderness area, wildlife preserve, flood plain, or near a site that is either listed or eligible for listing in the National Register of Historic Places. The proposed construction will not adversely affect any listed or proposed threatened or endangered 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 the grounds of Victory Baptist Church, which is owned by the applicant. The applicant proposes a 20m (AGL) tower, utilizing a single bay Shively SLV antenna (EPA Type 4).

Shown below is the output of the Commission's FM Model program, with a maximum calculated exposure of $10.88 \mu\text{W}/\text{cm}^2$, well below the maximum permissible exposure for the general public, or 5.44% 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, if any, 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.



Channel Selection	Channel 248 (97.5 MHz) ▾		
Antenna Type +	EPA Type 4: Two-Piece Spiral ▾		
Height (m)	15	Distance (m)	100
ERP-H (W)	95	ERP-V (W)	95
Num of Elements	1	λ	1
Num of Points	500	Apply	