

First Baptist Church of Riverview  
Amended Proposed Facility for Aberdeen, WA  
Technical Certifications

As shown on the following page, 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 at the original time of filing. The proposed facility does not create prohibited overlap with incumbent facilities as of November 9, 2021.

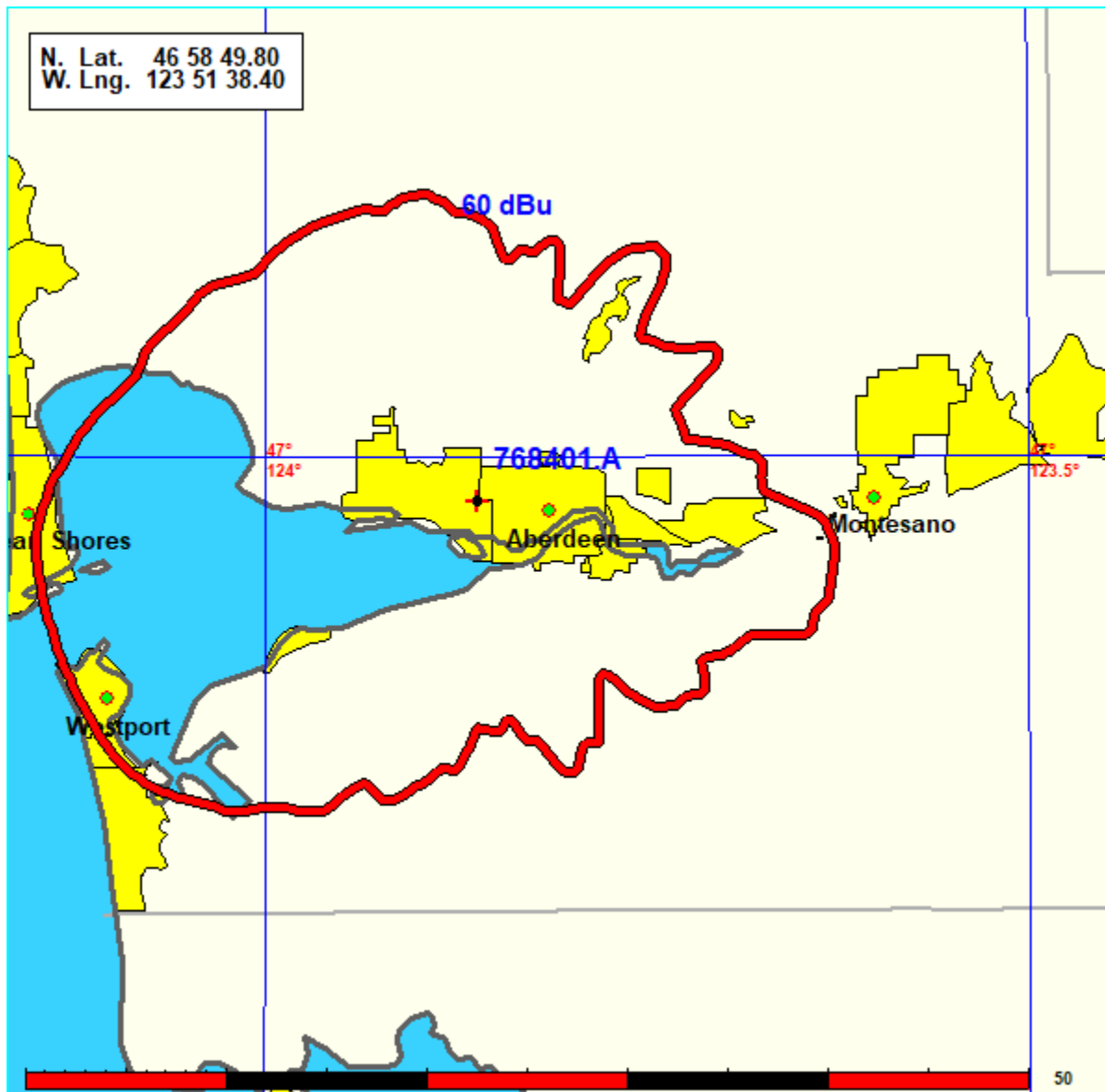
REFERENCE  
46 58 49.80 N.  
123 51 38.40 W.

CH CITY	CALL	TYPE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
208A	768401 Aberdeen	APP	_CN WA	0.0 0.0	0.00 0000167561	46 58 49.80 123 51 38.40	5,000 24	127	---Reference---		
208A	768636 Central Park	APP	_CN WA	129.2 309.2	6.14 0000167800	46 56 44.00 123 47 52.50	0.330 80	45.6 145	13.2 Oakridge Community Radio	-54.2*	-60.3*
207C3	762639 Ocean Park	APP	DCN WA	168.0 348.1	32.39 0000166813	46 41 43.60 123 46 21.20	0.950 291	43.0 378	16.4 Tillicum Foundation	-18.2*	-12.6
210D	K210ES Aberdeen	LIC	_CN WA	118.0 298.1	11.12 BLFT20140520AJJ	46 56 00.30 123 43 52.50	0.115 108	0.8 190	13.1 Educational Media Foundati	-4.7*	-3.4*
209A	768926 Mccleary	APP	DCN WA	90.4 270.9	54.73 0000167594	46 58 30.00 123 08 20.80	0.070 818	36.8 818	24.1 Community Sustaining Fund	0.2	5.3
206A	KGHE Montesano	LIC	_CN WA	96.7 276.9	20.71 0000088798	46 57 30.30 123 35 22.60	0.255 94	1.1 186	15.1 Grays Harbor Institute	1.6	3.9
206A	KGHE Montesano	CP	_CN WA	96.7 276.9	20.71 BPED20190415AAC	46 57 30.30 123 35 22.60	0.255 94	1.1 186	15.1 Grays Harbor Institute	1.6	3.9
211A	KBSG Raymond	LIC	_CN WA	168.0 348.1	32.39 BLED20180921ABP	46 41 43.40 123 46 21.60	0.440 279	1.5 369	22.5 Chehalis Valley Educationa	16.5	7.4
208C1	KNHC Seattle	LIC	DCN WA	64.1 245.3	146.26 BLED20020402AAC	47 32 34.40 122 06 29.40	8,500 372	121.3 498	47.5 Seattle Public Schools	11.5	42.6
205A	762146 Ocean Shores	CP	DCN WA	317.4 137.2	33.89 0000165561	47 12 17.00 124 09 51.00	6,000 60	2.0 107	18.7 City Of Ocean Shores	15.2	12.1
207C3	766255 Cathlamet	APP	DCN WA	157.6 337.9	62.41 0000167162	46 27 39.30 123 33 02.50	0.370 599	35.3 876	22.6 Cascade Community Radio	12.5	16.9
206L1	KXPB-LP Pacific Beach	CP	_HN WA	315.6 135.3	37.12 BPL20190821ABK	47 13 06.30 124 12 17.60	0.100 16	48	28.5R Pacific Beach Food Bank		8.6M
206L1	KXPB-LP Pacific Beach	LIC	_HN WA	315.6 135.3	37.12 BLL200441124AEL	47 13 06.30 124 12 17.60	0.017 71	98	28.5R Pacific Beach Food Bank		8.6M
207A	KAOS Olympia	LIC	_CN WA	86.5 267.2	71.65 BLED20011228AAV	47 00 57.30 122 55 01.50	1,250 74	15.0 149	10.7 The Evergreen State Colleg	39.2	32.9
209A	766928 Centralia	APP	_CN WA	114.2 294.8	75.43 0000167297	46 41 56.28 122 57 29.66	0.990 -19	14.1 92	10.1 Centralia Bible Baptist Ch	43.4	39.2
209A	768725 Chehalis	APP	_CN WA	120.8 301.4	70.15 0000167584	46 39 17.60 123 04 14.90	0.500 31	12.0 156	8.5 Cascade Christian Broadcas	40.6	39.3
209A	KOAC-FM Astoria	LIC	_CN OR	181.5 1.4	79.84 BLED20100927ABF	46 15 45.30 123 53 13.50	0.180 321	26.4 367	17.3 Oregon Public Broadcasting	39.9	39.8
208A	KJVH Longview	LIC	_VN WA	139.4 320.1	118.93 BMLED20130716AAW	46 09 51.40 122 51 17.30	0.100 238	62.1 427	19.3 Family Stations, Inc.	41.3	47.8
205C3	KSWS Chehalis	LIC	_CN WA	127.5 308.1	77.31 BLED20100618AWV	46 33 15.40 123 03 30.50	1,000 306	2.1 475	33.9 Washington State Universit	58.2	41.8
209D	K209FQ Shelton	LIC	DVN WA	66.9 247.5	63.17 BLFT201411120ADC	47 12 02.30 123 05 28.50	0.250	1.8 83	1.6 CSN International	46.6	41.9
211D	K211FH Shelton	LIC	DVN WA	66.9 247.5	63.17 BLFT201411120ACZ	47 12 02.30 123 05 28.50	0.050	0.5 87	4.7 CSN International	47.9	56.9
262D	K262CY<<	CP	DVN WA	71.9	57.43	47 08 19.30	0.250	454497400	00000000000000000000.0 164897900000000000000000 9.5R 47.9M		
Olympia			WA	252.4	0000158636	123 08 27.50		383	Northwest Indy Radio		
262D	K262CY<<	LIC	DVN WA	71.9	57.43	47 08 19.30	0.250	454497400	00000000000000000000.0 164897900000000000000000 9.5R 47.9M		
Olympia			WA								

CH CITY	CALL	TYPE STATE	ANT AZI	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
208A	768401	APP_01	0.0	0.00	46 58 49.80	0.000		---Reference---		
Aberdeen	WA		0.0		123 51 38.40		87	03-28-22		03-28-22

First Baptist Church, FCC Form 2100 Schedule 340, NCE Station Application, Technical Certifications

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).

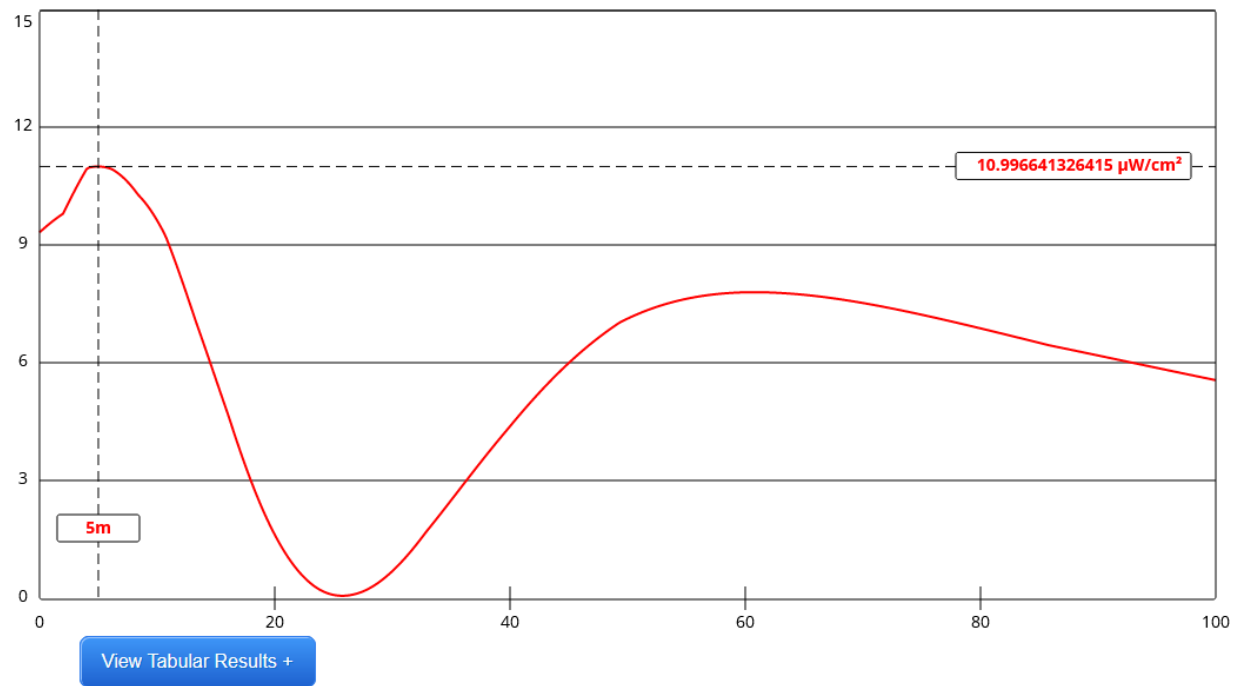
The proposed site is not in an officially designated wilderness area, wildlife preserve, flood plain, or near a site that is either listed or eligible for listing in the National Register of Historic Places. The proposed construction will not adversely affect any listed or proposed threatened or endangered 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 on the tower.

Shown below is the output of the Commission's FM Model program, with a maximum calculated exposure of  $11.00 \mu\text{W}/\text{cm}^2$ , well below the maximum permissible exposure for the general public, or 5.50% 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.



Channel Selection	Channel 208 (89.5 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	25	Distance (m)	100
ERP-H (W)	1300	ERP-V (W)	1300
Num of Elements	3	Element Spacing (?)	.5
Num of Points	500	Apply	

### **Reasonable Site Assurance**

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

Danielle Poirier, Manager Inside Sales, American Tower Corporation, 781-926-4633