

WGBL 96.7 FM COMPREHENSIVE TECHNICAL EXHIBIT

Prepared on Wednesday, March 27, 2024

by Matthew Wesolowski

SSR Communications, Inc.

740 Highway 49 North

Suite R

Flora, MS 39071

601-201-2789 / engineering@wyab.com

WGBL 96.7 FM, GULFPORT, MISSISSIPPI, FCC FACILITY ID 61305
ENGINEERING SHOWING

SUMMARY

TeleSouth Communications, Inc. (“Applicant”) is the licensee of WGBL 96.7 FM, FM Channel 244A, FCC Facility ID 61305, CDBS BLH-20060608AED, at Gulfport, Mississippi (“WGBL”). In this application, Applicant proposes to increase in power from a FM Class A facility to a (short-spaced) FM Class C3 facility from its existing antenna and tower location. A pending concurrently filed application by Educational Media Foundation, Assignee of Haddox Enterprises, LLC's WFFF 96.7 FM at Columbia, Mississippi (LMS Application ID 0000240434, FCC Facility ID 25817), proposes to relocate WFFF-FM from Columbia to Bogue Chitto, Mississippi. Once granted, WFFF-FM's move from Columbia to Bogue Chitto will allow WGBL to increase in class from FM Channel 244A to FM Channel 244C3. Finally, Applicant asks the Commission to make a slight coordinate modification to the currently vacant FM Class 245A allocation associated with the former DWXAB (FCC Facility ID 12815) at McLain, Mississippi. A fully spaced allotment site exists for this allocation to the northeast of its present coordinates, that if relocated, will allow WGBL a more meaningful increase in effective radiated power and associated larger primary service area.

SECTION 73.315 SHOWING – PROPOSED FACILITY - WGBL

The facility proposed herein, which is spaced under Section 73.215 of the Commission's Rules, would serve all of the Gulfport community within a F(50,50) 70 dBu contour.

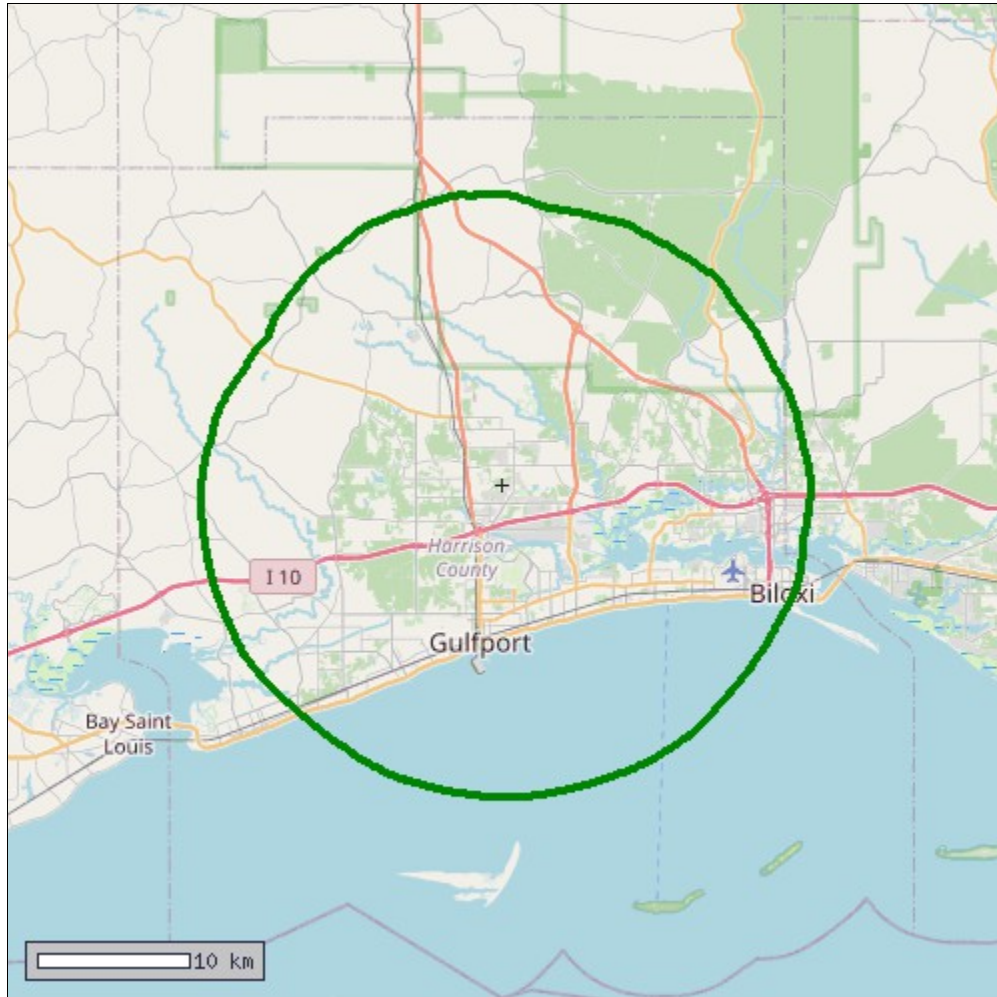


FIGURE 1: The map above depicts the F(50,50) 70 dBu contour of WGBL using the facilities contemplated in the application herein. As shown above, the facility would provide 70 dBu city grade service to the entire community of Gulfport, Mississippi.

73.215 SPACING TABLE – PROPOSED WGBL ANTENNA SITE

FIGURE 2: PROPOSED WGBL ANTENNA SITE

Call: WGBL
 FCC Facility ID: 61035
 Channel: 244C3 / 96.7 FM
 Community: Gulfport, Mississippi
 ASRN: 1055057
 COORDINATES: 30-27-33 N, 89-04-45 W (NAD 83)

FacID	AppID	Call	Type	Chan	Community	St	Distance	Minimum	Margin
61305	f54c15c0fadb454	WGBL	LIC	244A	GULFPORT	MS	0.04	142.00	-141.96 *
61305	3089-2019-09-19	WGBL	VAC_AL	244A	GULFPORT	MS	7.10	142.00	-134.90 *
25817	3087-2019-09-19	WFFF-FM	VAC_AL	244A	COLUMBIA	MS	115.31	142.00	-26.69 **
25817	de6c67acc3f74a1	WFFF-FM	LIC	244A	COLUMBIA	MS	115.31	142.00	-26.69 **
12815	6129-2019-09-19	DWXAB	VAC_AL	245A	MCLAIN	MS	75.72	89.00	-13.28 ***
	0 PROPOSED	DWXAB-C	PROPOSED	245A	McLain	MS	79.69	89.00	-9.31 ****
25817	25076ff38e1e456	WFFF-FM	APP	244C3	BOGUE_CHITTO	MS	159.38	153.00	6.38
70409	0e7dc695c3c646	WBBL	LIC	243C3	RIGHTON	MS	115.97	99.00	16.97
70409	11854-2019-09-1	WXHB	VAC_AL	243C3	RIGHTON	MS	116.59	99.00	17.59
67677	15144-2019-09-1	KMYO-FM	VAC_AL	244C2	GRAY	LA	197.91	177.00	20.91
20346	b600f9861f7348e	WEZB	LIC	246C0	NEW_ORLEANS	LA	108.89	87.00	21.89
67677	00acae0acb234d	KCIL	LIC	244C2	GRAY	LA	198.91	177.00	21.91
20346	3230-2019-09-19	WEZB	VAC_AL	246C0	NEW_ORLEANS	LA	108.93	87.00	21.93
53142	2882-2019-09-19	WRKH	VAC_AL	241C	MOBILE	AL	122.49	96.00	26.49
53142	bf1cb8a978ad4e	WRKH	LIC	241C	MOBILE	AL	122.49	96.00	26.49
76747	11352-2019-09-1	WKXK	VAC_AL	244C2	PINE_HILL	AL	208.67	177.00	31.67
41571	ce11dabb5c0b46	WTGG	LIC	243A	AMITE	LA	128.57	89.00	39.57
41571	758-2019-09-19	WTGG	VAC_AL	243A	AMITE	LA	139.62	89.00	50.62
76747	dce9cb173bb347	WKXK	LIC	244C2	PINE_HILL	AL	228.33	177.00	51.33
36617	50d8aaa1b82a45	WFMM	LIC	247A	SUMRALL	MS	108.00	42.00	66.00
36617	6093-2019-09-19	WFMM	VAC_AL	247A	SUMRALL	MS	110.94	42.00	68.94
25520	13433-2019-09-1	KXMG	VAC_AL	298C1	JEAN_LAFITTE	LA	97.60	24.00	73.60
736413	4606-2019-09-19	ALLOT	VAC_AL	244C2	WALNUT_GROVE	MS	251.84	177.00	74.84
25520	9f12e07ece9749	KNOL	LIC	298C2	JEAN_LAFITTE	LA	100.78	17.00	83.78
15236	8207-2019-09-19	791115AI	VAC_AL	243C1	FORT_WALTON_BEACH	FL	228.50	144.00	84.50
183307	538a5b1132b340	WCKK	LIC	244C2	WALNUT_GROVE	MS	264.51	177.00	87.51
32834	25076f91732a45	WZNS	LIC	243C1	FORT_WALTON_BEACH	FL	235.54	144.00	91.54

* - These entries are related to WGBL, the station contemplated herein

** - WFFF-FM has filed an application to vacate this location

*** - Applicant has proposed to move the former DWXAB coordinates to those indicated in the entry below

**** - This represents the proposed DWXAB vacant allocation coordinates

SECTION 73.315 SHOWING – PROPOSED C3 ALLOTMENT COORDINATES - WGBL

The fully spaced allocation coordinates of the facility proposed herein would serve all of the Gulfport community within a F(50,50) 70 dBu contour.

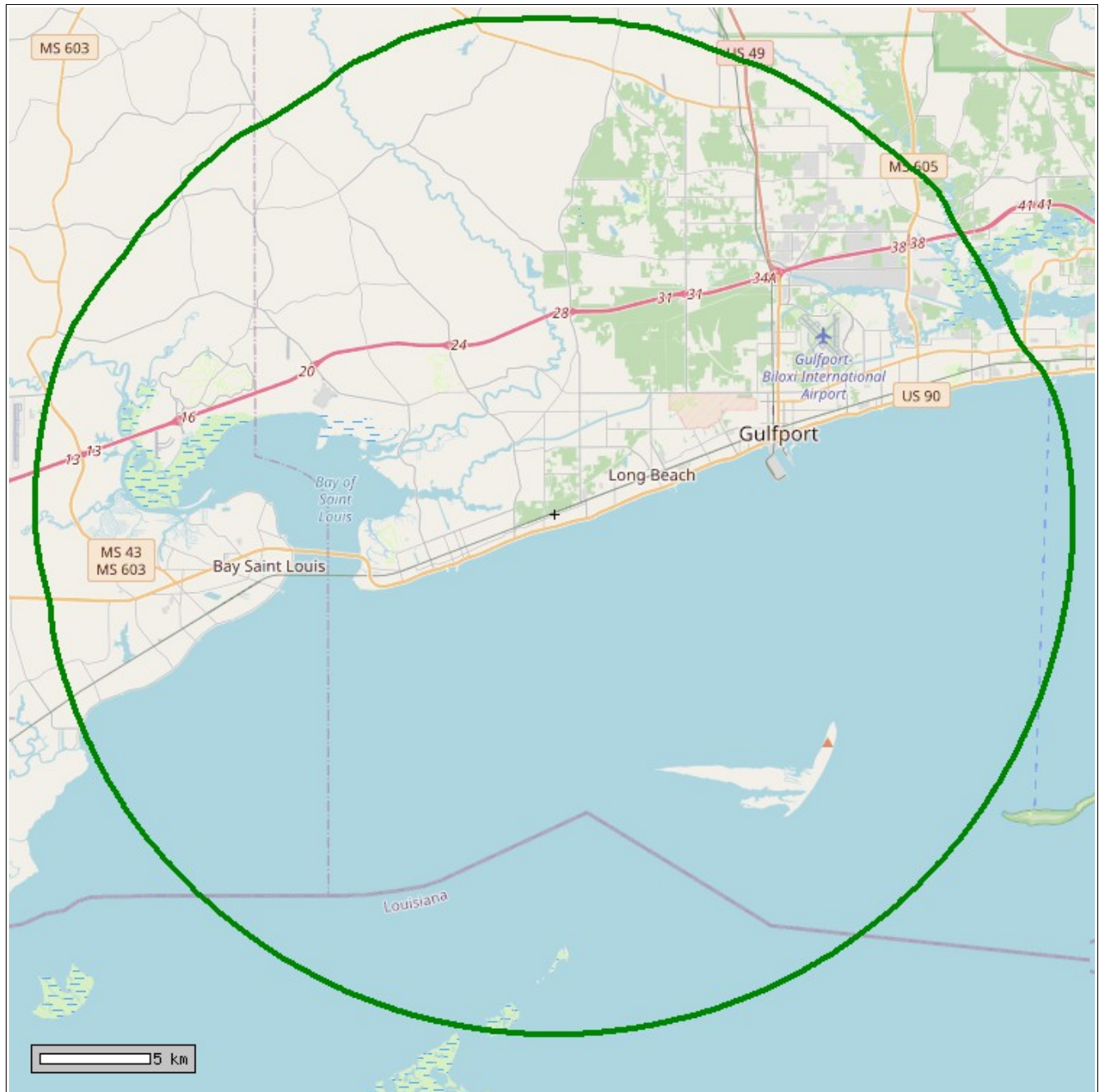


FIGURE 3: The map above depicts the F(50,50) 70 dBu contour of the proposed WGBL fully spaced allocation coordinates for a station of FM Class 244C3. As shown above, the fully spaced allocation coordinates would provide 70 dBu city grade service to the entire community of Gulfport, Mississippi.

73.207 SPACING TABLE – PROPOSED WGBL FULLY SPACED ALLOCATION SITE

FIGURE 4: PROPOSED WGBL FULLY SPACED FM CLASS 244C3 ALLOCATION COORDINATES

Call: WGBL
 FCC Facility ID: 61035
 Channel: 244C3 / 96.7 FM
 Community: Gulfport, Mississippi
 ASRN: N/A
 COORDINATES: 30-20-00 N, 89-12-00 W (NAD 83)

FacID	AppID	Call	Type	Chan	Community	St	Distance	Minimum	Margin
61305	f54c15c0fad454	WGBL	LIC	244A	GULFPORT	MS	18.10	142.00	-123.90 *
61305	3089-2019-09-19	WGBL	VAC_AL	244A	GULFPORT	MS	23.72	142.00	-118.28 *
25817	3087-2019-09-19	WFFF-FM	VAC_AL	244A	COLUMBIA	MS	120.07	142.00	-21.93 **
25817	de6c67acc3f74a	WFFF-FM	LIC	244A	COLUMBIA	MS	120.07	142.00	-21.93 **
67677	15144-2019-09-1	KMYO-FM	VAC_AL	244C2	GRAY	LA	180.79	177.00	3.79
12815	6129-2019-09-19	DWXAB	VAC_AL	245A	MCLAIN	MS	93.50	89.00	4.50 ***
20346	b600f9861f7348e	WEZB	LIC	246C0	NEW_ORLEANS	LA	91.71	87.00	4.71
20346	3230-2019-09-19	WEZB	VAC_AL	246C0	NEW_ORLEANS	LA	91.75	87.00	4.75
67677	00acae0acb234d	KCIL	LIC	244C2	GRAY	LA	182.26	177.00	5.26
25817	25076ff38e1e45e	WFFF-FM	APP	244C3	BOGUE_CHITTO	MS	158.89	153.00	5.89
	0 PROPOSED	DWXAB-C	LIC	245A	McLain	MS	97.46	89.00	8.46 ****
41571	ce11dabb5c0b46	WTGG	LIC	243A	AMITE	LA	120.13	89.00	31.13
70409	0e7dc695c3c646	WBBL	LIC	243C3	RICHTON	MS	132.64	99.00	33.64
70409	11854-2019-09-1	WXHB	VAC_AL	243C3	RICHTON	MS	132.82	99.00	33.82
53142	2882-2019-09-19	WRKH	VAC_AL	241C	MOBILE	AL	137.27	96.00	41.27
53142	bf1cb8a978ad4e	WRKH	LIC	241C	MOBILE	AL	137.27	96.00	41.27
41571	758-2019-09-19	WTGG	VAC_AL	243A	AMITE	LA	132.36	89.00	43.36
76747	11352-2019-09-1	WKXK	VAC_AL	244C2	PINE_HILL	AL	226.81	177.00	49.81
25520	13433-2019-09-1	KXMG	VAC_AL	298C1	JEAN_LAFITTE	LA	79.48	24.00	55.48
25520	9f12e07ece9749	KNOL	LIC	298C2	JEAN_LAFITTE	LA	83.56	17.00	66.56
76747	dce9cb173bb347	WKXK	LIC	244C2	PINE_HILL	AL	246.45	177.00	69.45
36617	50d8aaa1b82a45	WFMM	LIC	247A	SUMRALL	MS	117.40	42.00	75.40
36617	6093-2019-09-19	WFMM	VAC_AL	247A	SUMRALL	MS	120.14	42.00	78.14
736413	4606-2019-09-19	ALLOT	VAC_AL	244C2	WALNUT_GROVE	MS	264.62	177.00	87.62
15236	8207-2019-09-19	791115AI	VAC_AL	243C1	FORT_WALTON_BEACH	FL	242.44	144.00	98.44

* - These entries are related to WGBL, the station contemplated herein

** - WFFF-FM has filed an application to vacate this location

*** - Applicant has proposed to move the former DWXAB coordinates to those indicated in the entry below

**** - This represents the proposed DWXAB vacant allocation coordinates

SECTION 73.315 SHOWING – PROPOSED ALLOCATION COORDINATES - DWXAB

In order to facilitate the most meaningful available upgrade of the WGBL facility proposed herein, Applicant respectfully requests that the Commission relocate the currently vacant allocation coordinates associated with the former DWXAB 96.9 FM on FM Channel 245A at McLain, Mississippi to a site just to the northeast of its present position, at 31-05-54 North Latitude, 88-41-55 West Longitude (NAD 83). A fully spaced Class A FM allocation from this site would serve 100% of the McLain community within a F(50,50) 70 dBu contour.

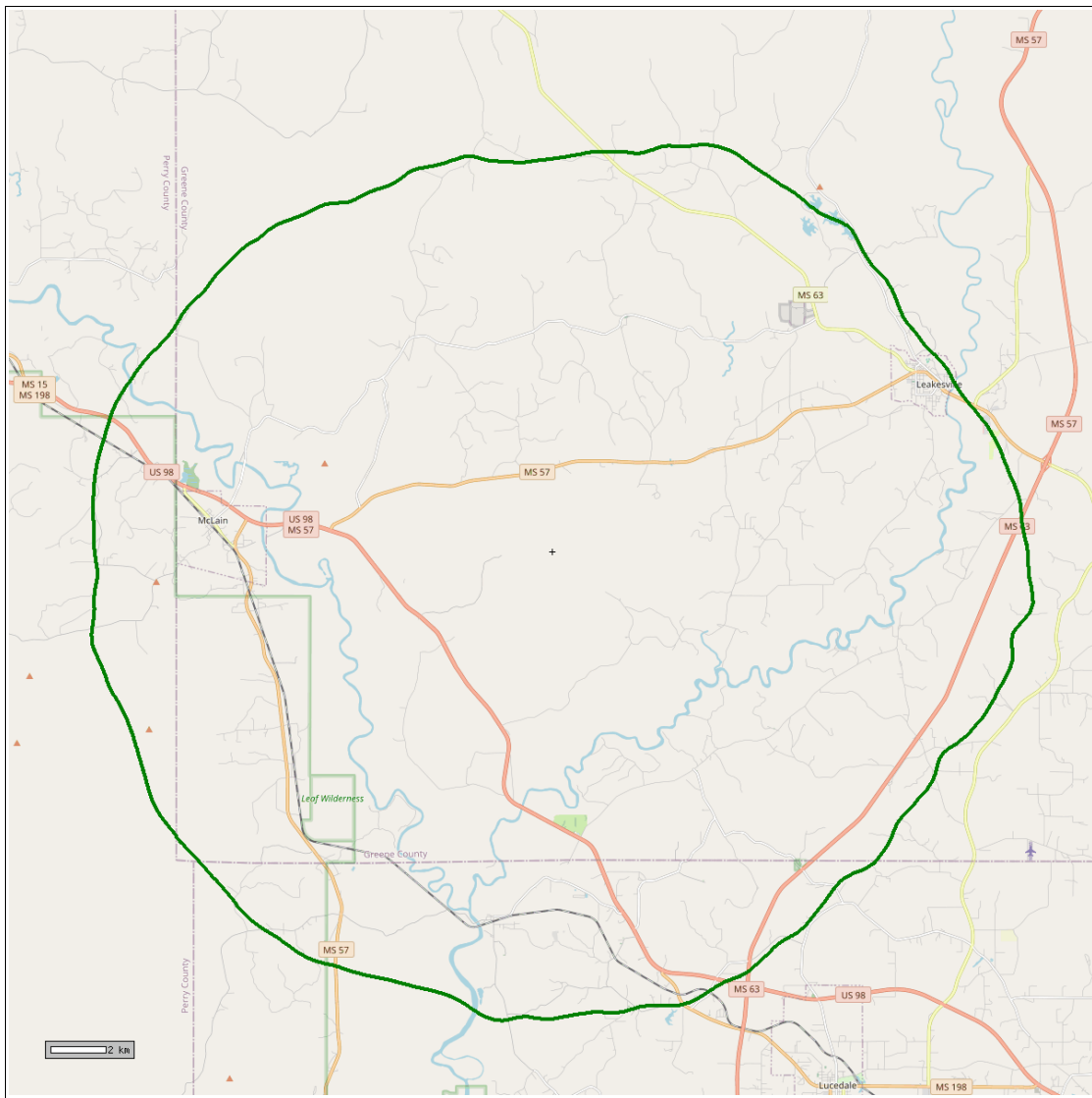


FIGURE 6: The map above depicts the F(50,50) 70 dBu contour of the proposed DWXAB vacant fully spaced allocation coordinates for a future station on FM Class 245A. As shown above, the fully spaced allocation coordinates would provide 70 dBu city grade service to the entire community of McLain, Mississippi.

73.207 SPACING TABLE – PROPOSED DWXAB FULLY SPACED ALLOCATION SITE

FIGURE 7: PROPOSED VACANT/DWXAB FULLY SPACED FM CLASS 245A ALLOCATION COORDINATES

Call: VACANT/DWXAB
 FCC Facility ID: (former) 12815
 Channel: 245A / 96.9 FM
 Community: McLain, Mississippi
 ASRN: N/A
 COORDINATES: 31-05-54 N, 88-41-55 W (NAD 83)

FacID	AppID	Call	Type	Chan	Community	St	Distance	Minimum	Margin
61305	PROPOSED	WGBL	PROPOSED	244C3	GULFPORT	MS	79.69	89.00	-9.31 *
70409	0e7dc695c3c646	WBBL	LIC	243C3	RIGHTON	MS	41.61	42.00	-0.39
70657	3329-2019-09-19	WABD	VAC_AL	248C	MOBILE	AL	94.61	95.00	-0.39
70657	06c1f2a8e8a143f	WABD	LIC	248C	MOBILE	AL	94.62	95.00	-0.38
48635	530d44a0596243	WOKK	LIC	246C1	MERIDIAN	MS	136.03	133.00	3.03
70409	11854-2019-09-1	WXHB	VAC_AL	243C3	RIGHTON	MS	45.26	42.00	3.26
48635	3238-2019-09-19	WOKK	VAC_AL	246C1	MERIDIAN	MS	136.49	133.00	3.49
61305	3089-2019-09-19	WGBL	VAC_AL	244A	GULFPORT	MS	76.09	72.00	4.09
61305	f54c15c0fad454	WGBL	LIC	244A	GULFPORT	MS	79.72	72.00	7.72
76747	11352-2019-09-1	WKXK	VAC_AL	244C2	PINE_HILL	AL	132.71	106.00	26.71
20346	b600f9861f7348e	WEZB	LIC	246C0	NEW_ORLEANS	LA	182.37	152.00	30.37
20346	3230-2019-09-19	WEZB	VAC_AL	246C0	NEW_ORLEANS	LA	182.41	152.00	30.41
25817	3087-2019-09-19	WFFF-FM	VAC_AL	244A	COLUMBIA	MS	110.77	72.00	38.77
25817	de6c67acc3f74a	WFFF-FM	LIC	244A	COLUMBIA	MS	110.77	72.00	38.77
76747	dce9cb173bb347	WKXK	LIC	244C2	PINE_HILL	AL	150.82	106.00	44.82
36617	50d8aaa1b82a45	WFMM	LIC	247A	SUMRALL	MS	83.46	31.00	52.46
36617	6093-2019-09-19	WFMM	VAC_AL	247A	SUMRALL	MS	86.42	31.00	55.42
25575	12899-2019-09-1	WDJR	VAC_AL	245C0	ENTERPRISE	AL	282.77	215.00	67.77
25575	eecc4417037849	WDJR	LIC	245C0	HARTFORD	AL	282.77	215.00	67.77
25817	25076ff38e1e45e	WFFF-FM	APP	244C3	BOGUE_CHITTO	MS	168.02	89.00	79.02
736413	4606-2019-09-19	ALLOT	VAC_AL	244C2	WALNUT_GROVE	MS	190.93	106.00	84.93
183307	538a5b1132b340	WCKK	LIC	244C2	WALNUT_GROVE	MS	201.94	106.00	95.94

* - This is the WGBL facility proposed herein, which would be licensed under Section 73.215

RF EXPOSURE SHOWING

In determining RF Exposure at the proposed antenna site, Applicant utilized the Commission's FM Model software, as shown below in Figure 8. Applicant specified a two element circularly polarized full-wave spaced EPA Type 1 FM antenna that accounts for the proposed WGBL 96.7 FM facility.

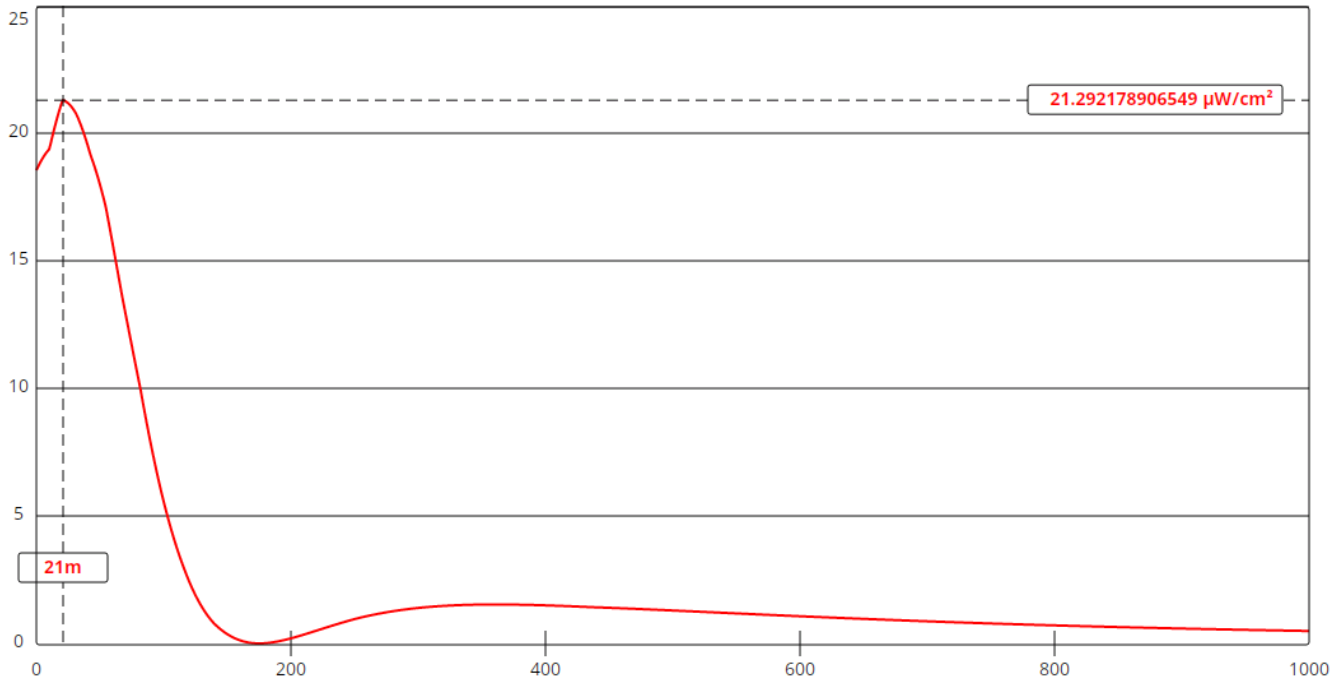


FIGURE 8: The above chart represents RF exposure in microwatts per square centimeter (vertical axis) against the distance from the radiating elements (horizontal axis) in meters. Radiation under the acceptable level of 20.0 microwatts per square centimeter at all points further than 39.0 meters from the broadcast antenna. As this radiation occurs only significantly above ground level, Applicant respectfully asserts that radiation exposure will not present a hazard to any individual near the proposed tower location. Signage alerting persons to the potential RF hazards at the site will be placed around the base of the tower's fence enclosure. Additionally, Applicant will limit power or cease transmitting in the event that personnel must be located closer to the transmitter site.