

**TECHNICAL ATTACHMENT
NEW LFPM FOR SAGINAW, MICH**

PARAMETERS

Channel 244
New Location: 43-24-46.1 N 83-56-34.0 W -- NAD 83
Antenna AGL 38
Tower Total 76.5 m (78.3 m)
Antenna Ground 181.7
Antenna COR 217.7
HAAT 35.5
Power 69
ASRN 1210501

CHANNEL SPACING

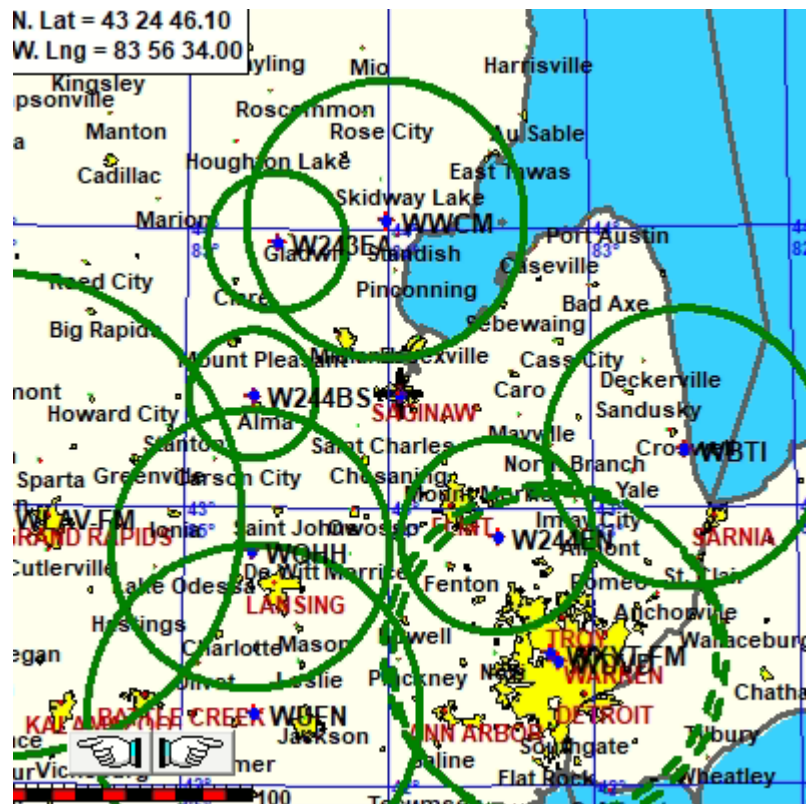
REFERENCE 43 24 46.10 N. CLASS = L1 DISPLAY DATES 10-16-23
83 56 34.00 W. Current Spacings to 2nd Adj. DATA 10-16-23
11-14-23 SEARCH

----- Channel 244 - 96.7 MHz -----

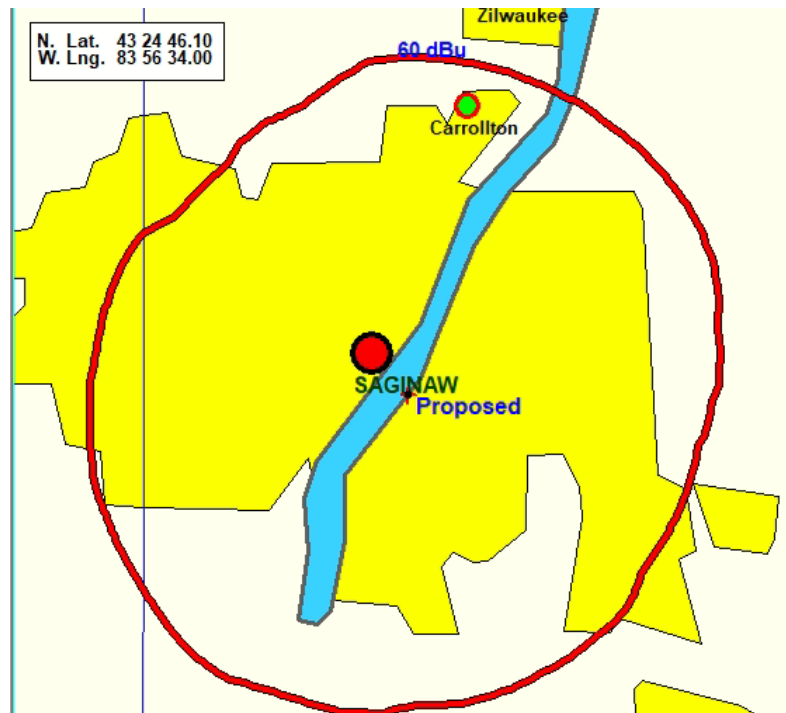
Call	Channel	Location	Azi	Dist	FCC	Margin
WWCM LIC 245A	Standish	MI	355.7	69.39	55.5	13.9
WQHH LIC 243A	Dewitt	MI	223.5	86.00	55.5	30.5
W244EN LIC-D 244D	Lapeer	MI	145.5	69.22	38.5	30.7
W244BS LIC 244D	Alma	MI	269.5	58.32	25.5	32.8
W243EA LIC 243D	Gladwin	MI	321.2	77.59	27.5	50.1
WXYT-FM LIC 246B	Detroit	MI	149.6	119.57	66.5	53.1
WDVD LIC 242B	Detroit	MI	149.0	124.08	66.5	57.6
WBTI LIC-Z 245A	Lexington	MI	100.8	116.34	55.5	60.8
WLAV-FM LIC-Z 245B	Grand Rapids	MI	253.0	166.56	96.5	70.1
WUFN LIC-Z 244A	Albion	MI	204.4	139.78	66.5	73.3

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

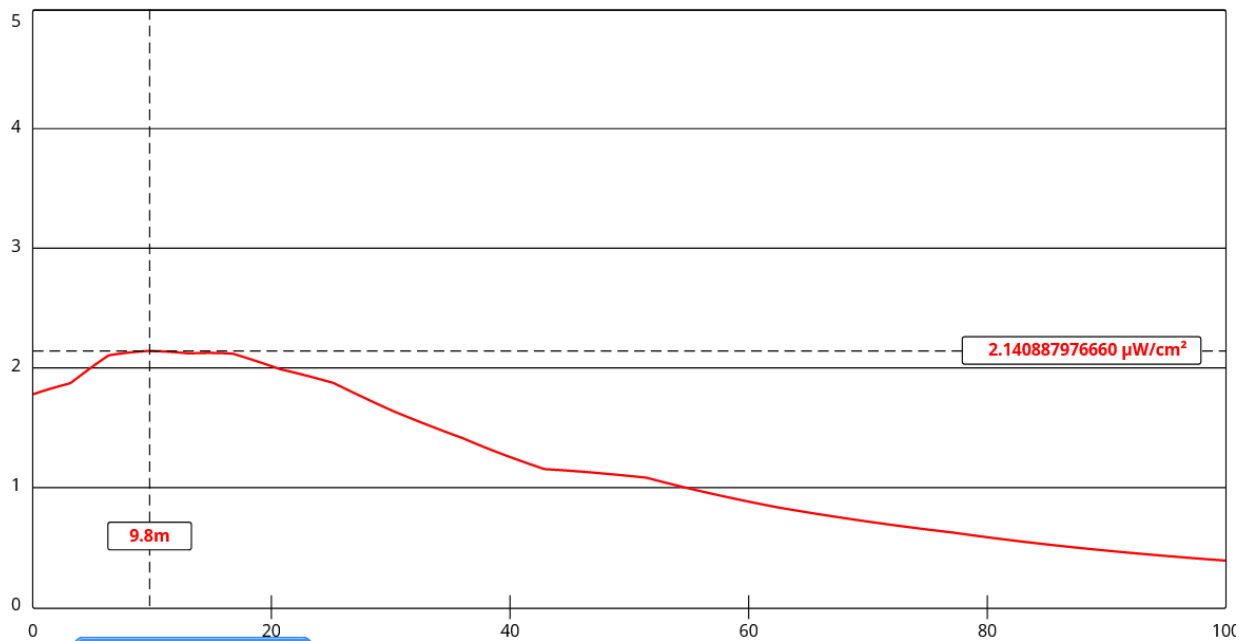
CHANNEL SPACING



PROPOSED F(50,50) 60 dBu



NON IONIZING ELECTROMAGNETIC RADIATION



A ring and stub was used to gauge the maximum RF for the proposal in OET program FM Model for Windows adapted to Javascript (69 watts, 1-bay, H+V-pol). The maximum predicted RF exposure was 2.1 $\mu\text{W}/\text{cm}^2$ at 9.8 m away, 1.1% of the FCC Maximum Permissible Exposure

(MPR) for $200 \mu\text{W}/\text{cm}^2$ for uncontrolled environments. 47 CFR 1.307(b)(3) exempts applicants from preparing an Environmental Assessment when the predicted exposure levels would be less than 5% of the FCC limits.

The site will have a sign regarding RF exposure hazards to tower climbers posted. If any work needs to be done around the structure the RF power will be temporarily shut off. This is a leased tower site with proper constraint to climbing access.