Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Exhibit 13
Westland, MI

Channel Study

REFERENCE — CH# 292D - 106.3 MHz, Pwr= 0.099 kW DA, HAAT= 263.7 M, COR= 462 M — DISPLAY DATES
42 26 53.0 N. — Average Protected F(50-50)= 16.8 km — DATA 05-09-14
83 10 23.0 W. — Standard Directional — SEARCH 05-13-14

CH CALL / CITY	TYPE ANT / STATE	AZI. <--	DIST / FILE #	LAT. / LNG.	Pwr(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT* (Overlap in km)
292D W292DK	LIC DC	0.0	0.00	42 26 53.0	0.099	52.7	16.2	-68.9*	-68.9*
Westland	MI	0.0	BLFT20120607AAA	83 10 23.0	264	462	Educational Media Foundati		
292B CHKS-FM	OP DHN	53.4	79.16	42 52 09.0	50.000	132.7	48.5	-66.5*<	-27.5<
Sarnia	ON	234.0	6515	82 23 38.0	124	314	Chks-fm		
290B WDMK	LIC DCN	318.4	3.43	42 28 16.0	20.000	5.7	64.6	-18.1*<	-62.6*<
Detroit	MI	138.4	BLH19840619CK	83 12 03.0	221	429	Radio One Of Detroit, Llc		
294B WDTW-FM	LIC CN	140.8	16.65	42 19 55.0	61.000	6.1	66.1	7.7	-49.5*<
Detroit	MI	320.9	BMLH19890804KA	83 02 42.0	155	338	Amfm Radio Licenses, L.l.c		
292D W292DA	LIC C	310.2	65.34	42 49 30.0	0.055	15.5	4.8	33.8	8.2
Linden	MI	129.7	BLFT20070827AEG	83 47 05.0	47	315	Educational Media Foundati		
291B WJXQ	LIC CX	267.5	119.48	42 23 31.0	49.000	79.3	66.1	23.4	17.9
Charlotte	MI	86.5	BLH20060103ABP	84 37 22.0	151	442	Midwest Communications, In		
291B AL4309	RSV-A	267.4	119.48	42 23 28.0	50.000	79.1	65.9	23.6	18.1
Charlotte	MI	86.5	RM11134	84 37 22.0	150	438			
292A WGER	LIC ZCX	331.3	130.74	43 28 36.0	4.400	84.1	28.0	30.8	50.9
Saginaw	MI	150.8	BLH20040713AAC	83 57 06.0	116	299	Nm License, Llc		
293D W293CA	CP C	326.4	69.94	42 58 16.0	0.099	8.0	5.6	46.1	40.4
Flint	MI	146.1	BNPFT20130319AAY	83 38 54.4	47	292	Educational Media Foundati		
293A WLQR-FM	LIC ZCX	208.5	117.98	41 30 49.0	4.800	43.8	28.5	58.3	65.7
Delta	OH	28.1	BLH20030325ADT	83 51 00.0	112	309	Cumulus Licensing Llc		
291L1 1594289	APP	198.9	94.77	41 38 26.4	0.100			72.3	67.4
Toledo	OH	18.7	BNPL20131113BUD	83 32 35.6	-133	52	Toledo Integrated Media Ed		

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd adjacent.

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 protected contour.

< = Contour Overlap

Reference station has protected zone issue:

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Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 54dBu contour of second adjacent channel station WDMK, channel 290B, Detroit, MI. According to 74.1204(a)(3), in order to protect second and third adjacent facilities, the difference in dBu between the two facilities must not exceed 40dBu.

The proposed ERP for W292DK.P:	99 watts
The proposed COR for W292DK.P:	260 meters
WDMK F(50/50) contour at proposed site:	106.7dBu
The F(50/10) contour of proposed W292DK.P:	146.7dBu

The predicted distance to the 146.7dbu interfering contour is 2.32 meters. Taking into account the height above ground of 260M, it has been determined that the interfering contour of 146.7dbu does not reach the ground. The lowest elevation for this interfering contour is 257.68M above ground.

As can be seen in Exhibit 13–A2 there are no surrounding structures which are tall enough to enter the 257.68 meter aperture within the 2.32 meter radius from the base of the tower.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.

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Exhibit 13-A
Westland, MI

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 54dBu contour of second adjacent channel station WDTW-FM, channel 294B, Detroit, MI. According to 74.1204(a)(3), in order to protect second and third adjacent facilities, the difference in dBu between the two facilities must not exceed 40dBu.

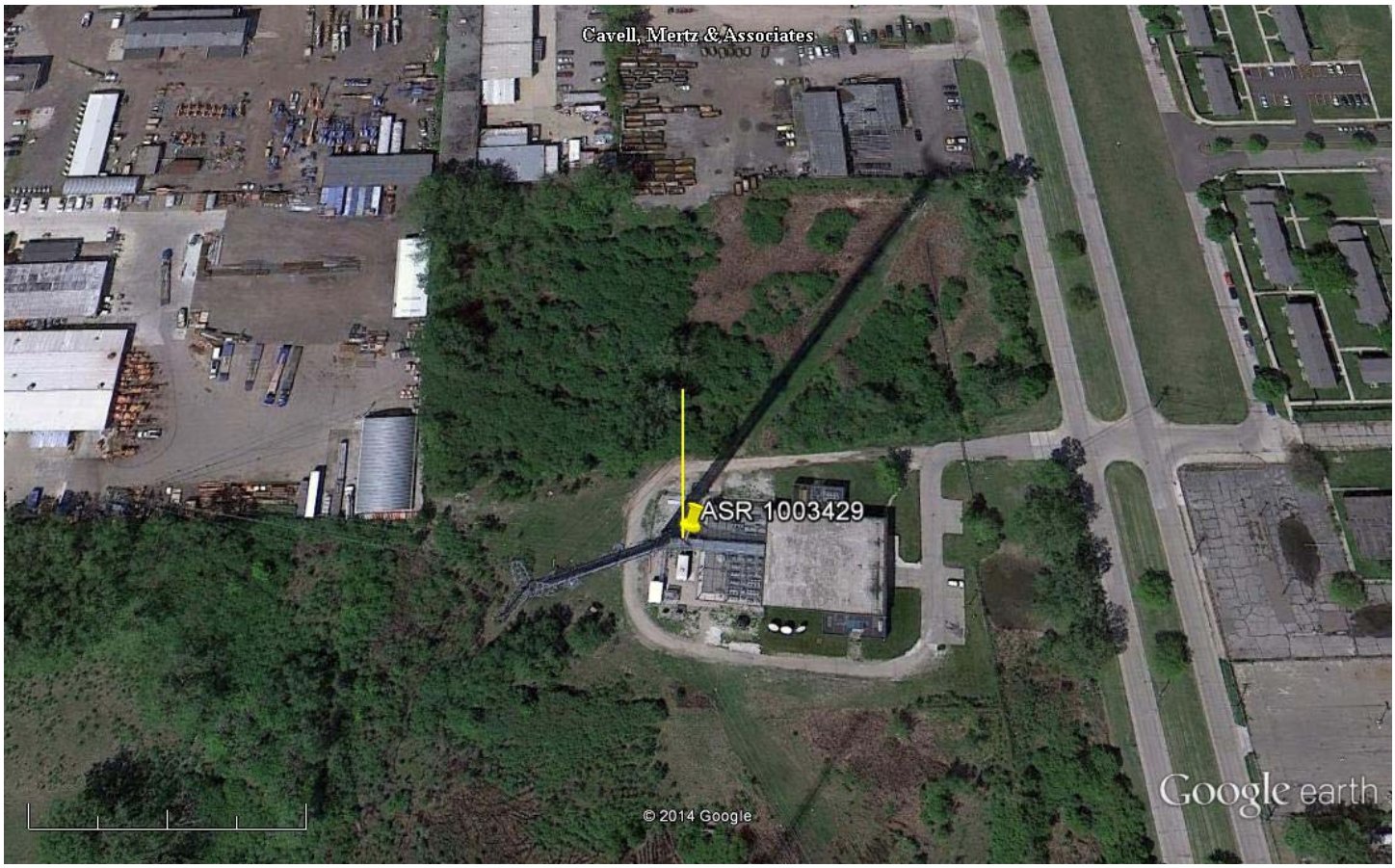
The proposed ERP for W292DK.P:	99 watts
The proposed COR for W292DK.P:	260 meters
WDTW-FM F(50/50) contour at proposed site:	82.7dBu
The F(50/10) contour of proposed W292DK.P:	122.7dBu

The predicted distance to the 122.7dbu interfering contour is 51.1 meters. Taking into account the height above ground of 260M, it has been determined that the interfering contour of 122.7dbu does not reach the ground. The lowest elevation for this interfering contour is 208.9M above ground.

As can be seen in Exhibit 13–A2 there are no surrounding structures which are tall enough to enter the 208.9 meter aperture within the 51.1 meter radius from the base of the tower.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.

Exhibit 13-A2



Google earth

feet 600
meters 100

Yellow Pin - NAD27
42 26' 53.0" N
83 10' 23.0" W
Yellow Marker: 51 meters at zero degrees true north