

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 13

Sanford, NC

Channel Study

REFERENCE		CH# 270D - 101.9 MHz, Pwr= 0.19 kW, HAAT= 519.7 M, COR= 604 M								DISPLAY DATES	
35 30 43.0 N.		Average Protected F(50-50)= 27.8 km								DATA	05-11-13
78 58 42.0 W.		Omni-directional								SEARCH	05-13-13
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
270D Sanford	W270AW	CP	C NC	0.0 0.0	0.00 BPFT20110705AAM	35 30 43.0 78 58 42.0	0.190	84.4 604	28.2 Educational Media Foundati	-112.7*	-112.7*
270D Sanford	W270AW	LIC	C NC	249.4 69.3	16.04 BLFT20070621ABE	35 27 40.0 79 08 38.0	0.010 86	15.4 183	4.8 Educational Media Foundati	-26.1*	-70.0
268C Raleigh	WRAL	LIC	C NC	65.3 245.6	44.08 BMLH20040903ABQ	35 40 35.0 78 32 08.0	100.000 555	13.1 646	89.9 Wral-fm, Inc.	3.9	-46.8*
270C1 New Bern	WIKS	LIC	CN NC	101.5 282.5	166.36 BLH19870306KD	35 12 07.0 77 11 15.0	100.000 299	171.6 308	72.1 Wiks License Limited Partn	-33.1*	10.6
271C0 Reidsville	WJMH	LIC	C NC	314.7 134.1	121.37 BMLH20010731ACA	36 16 33.0 79 56 26.0	100.000 367	112.9 600	76.7 Entercom Greensboro Licens	-20.2	0.1
272D Sanford	W272BN	LIC	C NC	249.9 69.8	22.87 BLFT20070808AAF	35 26 28.0 79 12 54.0	0.027 74	0.4 176	5.6 Positive Alternative Radio	-4.2*	16.3
270C0 Gastonia	WBAV-FM	LIC	CY NC	262.2 80.9	211.12 BLH19880129KD	35 13 57.0 81 16 35.0	100.000 301	175.1 552	74.4 Cbs Radio Stations Inc.	8.7	54.3
272D Fayetteville	650058	APP	C NC	170.6 350.6	45.92 BNPFT20030317JVW	35 06 13.0 78 53 44.0	0.038 52	0.4 97	4.9 Shaw University	17.9	40.1
272A Smithfield	WWPL	LIC	CX NC	81.2 261.6	49.72 BLH20101029ACW	35 34 43.0 78 26 10.0	2.600 153	2.5 221	27.8 New Age Communications, In	20.1	21.0
272A Smithfield	AL8950	RSV-A	NC	94.1 274.5	59.11 RM10377	35 28 21.0 78 19 43.0	6.000 100	2.6 148	26.8	28.8	31.3
273A Southern Pines	WIOZ-FM	LIC	CN NC	228.6 48.3	60.53 BLH19951107KB	35 09 04.0 79 28 40.0	3.400 133	2.6 258	28.2 Meridian Communications. L	31.1	31.4
273A Hillsborough	AL2642	RSV-A	NC	357.9 177.9	66.80 RM11038	36 06 49.0 79 00 20.0	6.000 100	3.1 264	32.6	35.4	33.2
273A Hillsborough	WPLW	LIC	CX NC	1.0 181.0	65.65 BLH20101029ACM	36 06 13.0 78 57 57.0	1.500 204	2.3 350	30.6 New Century Media Group, L	35.1	34.0
270A South Hill	WKSJ-FM	LIC	ZEX VA	27.9 208.4	155.23 BLH20040526ABK	36 44 39.0 78 09 42.0	6.000 96	88.3 199	29.6 Lakes Media Holding Compan	39.0	41.9
270A South Hill	AL3575	RSV-A	VA	24.6 205.1	155.17 RM10592	36 46 48.0 78 15 04.0	6.000 100	87.1 212	28.6	40.0	42.4
216A Fayetteville	WYBH	LIC	CX NC	181.2 1.2	50.18 BLED20081008ACL	35 03 35.0 78 59 24.0	0.255 195	9.2 256	43.1 Bible Broadcasting Network	9.5R	40.7M
271D Rocky Mount	1551229	APP	C NC	63.1 243.8	110.51 BNPFT20130328AQM	35 57 19.0 77 53 04.0	0.013	8.8 157	6.3 Shaw University	74.7	62.2

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.

All separation margins (if shown) include rounding

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.

« = Station meets FCC minimum distance spacing for its class..

Reference station has protected zone issue: Canada- AM tower.

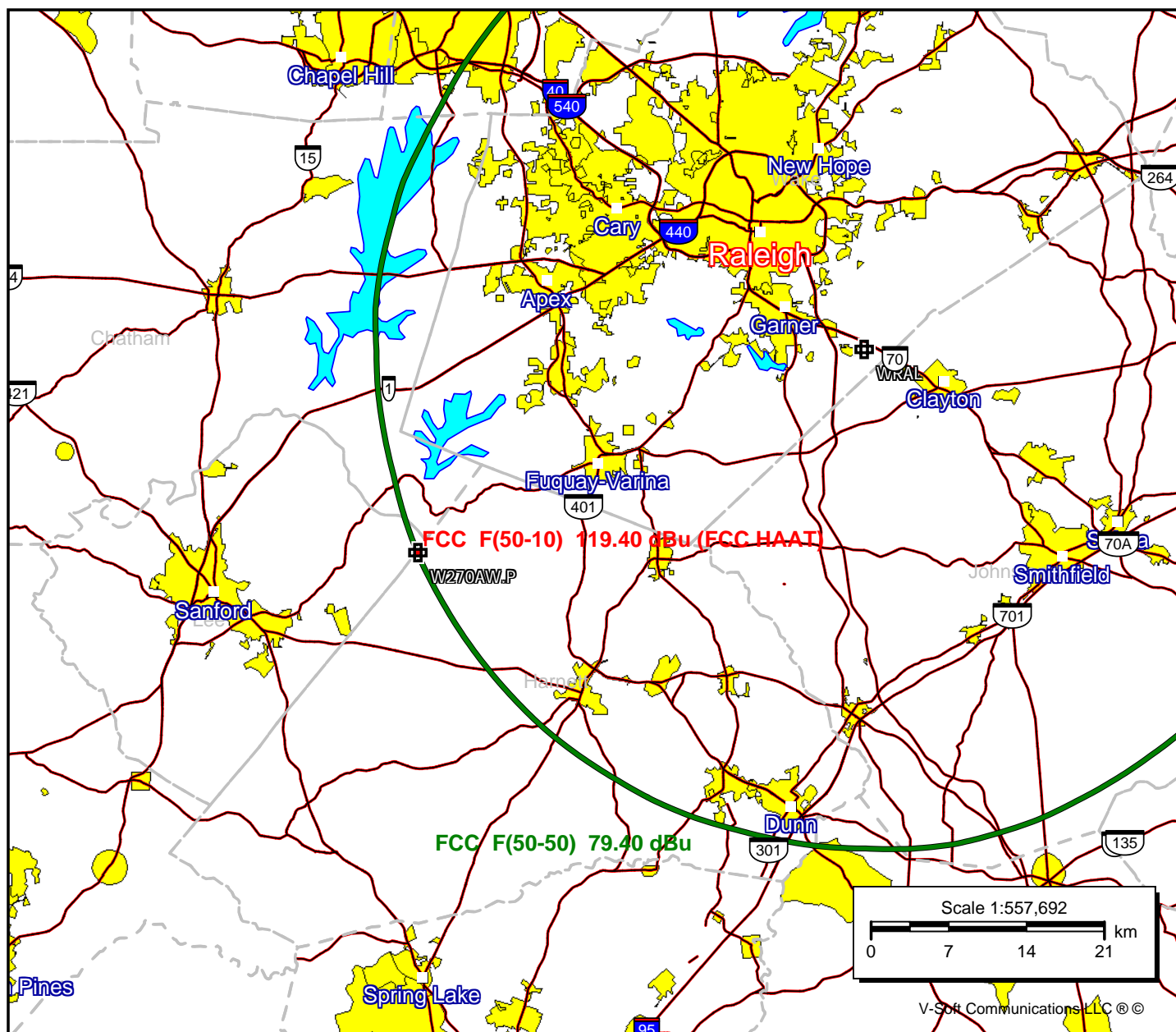
Exhibit 13-A

W270AW.P

BPFT20110705AAM
Latitude: 35-30-43 N
Longitude: 078-58-42 W
ERP: 0.19 kW
Channel: 270
Frequency: 101.9 MHz
AMSL Height: 604.0 m
Horiz. Pattern: Omni
Prop Model: None

WRAL

BMLH20040903ABQ
Latitude: 35-40-35 N
Longitude: 078-32-08 W
ERP: 100.00 kW
Channel: 268
Frequency: 101.5 MHz
AMSL Height: 646.0 m
Horiz. Pattern: Omni
Prop Model: None



Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WRAL, channel 268C Raleigh, NC. 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 W270AW.P:	0.19 watts
The proposed COR for W270AW.P:	482 meters
WRAL F(50/50) contour at proposed site:	79.4 dBu
The F(50/10) contour of proposed W270AW.P	119.4 dBu
The predicted distance to W270AW.P interference contour:	103.3 meters

The signal is predicted to not reach the ground or any nearby occupied structure.

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