

**NEW FACILITY APPLICATION**  
**LAWRENCE LOESCH AND MARGARET LOESCH**  
**NEW FM TRANSLATOR STATION**  
**CH 297D - 107.3 MHZ - 0.25 KW**  
**EDENTON, NORTH CAROLINA**  
**December 2017**

**EXHIBIT B1**

**Clearance Study for New Translator**  
**Using Proposed Site as Reference**

REFERENCE		CH# 297D - 107.3 MHz, Pwr= 0.25 kW, HAAT= 64.6 M, COR= 65.5 M								DISPLAY DATES	
36 04 45.8 N.		Average Protected F(50-50)= 10.5 km								DATA 11-29-17	
76 36 00.0 W.		Omni-directional								SEARCH 11-29-17	
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*
297D Edenton	1763606!	APP	C NC	82.2 262.2	0.02 BNPFT2017C801AIU	36 04 45.9 76 35 59.0	0.250	35.1 66	10.4 Lawrence F. Loesch & Marga	-45.7	-46.1
295C Suffolk	WAFX	LIC	CX VA	350.2 170.2	81.58 BLH20021227ABL	36 48 09.0 76 45 19.0	100.000 300	10.1 316	72.1 Tidewater Communications,	61.2	8.3
297A Enfield	WVRA	LIC	NCX NC	275.6 94.9	106.36 BMLE20120110AAE	36 09 59.0 77 46 46.0	4.100 85	80.2 127	25.6 Liberty University, Inc.	15.9	46.1
300C Greenville	WNCT-FM	LIC	NCN NC	222.3 41.8	106.94 BMLH19980323KE	35 21 55.0 77 23 38.0	100.000 518	12.7 530	87.9 Inner Banks Media, Llc	83.6	17.9
297D Suffolk	W297BH	LIC	DC VA	6.0 186.1	81.56 BLFT20120131ACU	36 48 32.0 76 30 13.0	0.250 145	50.4 150	15.3 Liberty University, Inc.	20.5	30.5
299B1 Norfolk	WMOV-FM	LIC	ZCX VA	19.1 199.3	86.06 BLH20110217AAQ	36 48 37.0 76 16 58.7	15.000 130	4.0 131	45.0 Cc Licenses, Llc	71.5	39.5
296C1 Atlantic	WTKF	LIC	NCX NC	176.3 356.4	133.21 BLH20080129ABO	34 53 01.0 76 30 22.3	46.000 190	82.6 192	55.9 Atlantic Ridge Telecasters	40.0	62.7

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

In & Out distances between contours are shown at closest points. 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 restricted contour.

Reference station has protected zone issue: AM tower

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**EXHIBIT B2**

N. Lat. = 36° 18' 45.8" - Protected and Interfering Contour Data  
W. Lng. = 76° 36' 00.0" - New FM Translator, Edenton, North Carolina

HAAT and Distance to Contour - FCC 30 second terrain database

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	1.8	63.8	0.2500	-6.02	1.000	10.45	35.27	14.53	1.11
010	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
020	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
030	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
040	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
050	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
060	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
070	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
080	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
090	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
100	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
110	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
120	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
130	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
140	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
150	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
160	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
170	0.2	65.4	0.2500	-6.02	1.000	10.57	35.73	14.71	1.11
180	0.4	65.2	0.2500	-6.02	1.000	10.56	35.68	14.69	1.11
190	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
200	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
210	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
220	0.1	65.5	0.2500	-6.02	1.000	10.57	35.76	14.72	1.11
230	2.2	63.4	0.2500	-6.02	1.000	10.42	35.15	14.49	1.11
240	1.3	64.3	0.2500	-6.02	1.000	10.49	35.41	14.59	1.11
250	1.3	64.3	0.2500	-6.02	1.000	10.49	35.41	14.59	1.11
260	2.8	62.8	0.2500	-6.02	1.000	10.38	35.00	14.44	1.11
270	3.2	62.4	0.2500	-6.02	1.000	10.35	34.87	14.39	1.11
280	3.1	62.5	0.2500	-6.02	1.000	10.36	34.91	14.41	1.11
290	1.7	63.9	0.2500	-6.02	1.000	10.46	35.29	14.54	1.11
300	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
310	0.0	65.6	0.2500	-6.02	1.000	10.58	35.79	14.73	1.11
320	0.6	65.0	0.2500	-6.02	1.000	10.54	35.61	14.66	1.11
330	4.0	61.6	0.2500	-6.02	1.000	10.29	34.63	14.31	1.11
340	4.6	61.0	0.2500	-6.02	1.000	10.25	34.47	14.25	1.11
350	4.1	61.5	0.2500	-6.02	1.000	10.29	34.60	14.30	1.11

AMSL= 65.6 M