

**MODIFY BNPFT-20130819AEW**  
**CORNERSTONE BROADCASTING CORPORATION**  
**W268BX FM TRANSLATOR STATION**  
**CH 267D - 101.3 MHZ - 0.25 KW - ND**  
**ST. AUGUSTINE, FLORIDA**  
**June 2015**

**EXHIBIT B**

**Interference Study for W268BX**  
**Using Proposed Site as Reference**

The proposed W268BX, operating with an effective radiated power of 0.25 kilowatt at 18.9 meters (62.0 feet) above ground level on Channel 267, will not cause interference to any existing, applied for or proposed facility. As noted on Exhibit B1, the proposed W268BX is within the predicted 60 dBu contour of second adjacent station W264CQ, Channel 264D, St. Augustine, Florida. Due to the relationship between the proposed W268BX and W264CQ, a 40 db ratio of the protected and interfering contours applies. We have, therefore, calculated the W264CQ level of signal at the proposed W268BX site.

W264CQ is co-located with the proposed operation of W268BX, and the W264CQ contour at the proposed W268BX tower site is 120 dBu (50/50) or higher. The corresponding interfering contour for W268BX is 160 dBu (50/10). At its greatest distance, the interfering contour (160 dBu, FCC 50/10) of W268BX extends less than 10.0 meters (32.8 feet) from the proposed W268BX antenna, as tabulated on Exhibit B2. Since the W268BX antenna will be mounted at 18.9 meters (62.0 feet) above ground level, this contour never reaches the ground. As such, W268BX will not receive interference from the proposed translator.

Based on the foregoing, it is believed that the proposed W268BX on Channel 267 is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed to address W264CQ, one is respectfully requested.

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**EXHIBIT B1**

**Interference Study for W268BX on Channel 267**  
**Using Proposed Site as Reference**

REFERENCE		CH# 267D - 101.3 MHz, Pwr= 0.25 kW, HAAT= 27.2 M, COR= 32.3 M								DISPLAY DATES	
29 53 34.9 N.		Average Protected F(50-50)= 7.1 km								DATA 06-03-15	
81 20 45.8 W.		Omni-directional								SEARCH 06-11-15	
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*
264D St. Augustine	W264CQ	CP	C FL	0.0 120.0	0.00 BNPFT20130815ABQ	29 53 35.0 81 20 46.0	0.055 58	0.5 63	7.0 Delmarva Educational Assoc	-7.8*<	-8.1*<
268D St. Augustine	W268BX	CP	C FL	162.4 342.4	3.88 BNPFT20130819AEW	29 51 35.0 81 20 02.0	0.240 25	10.0 30	7.0 Cornerstone Broadcasting C	-13.3*	-13.3*
268C Brunswick	WSOL-FM	LIC	C GA	340.1 159.9	109.79 BMLH20070320AJI	30 49 16.0 81 44 14.0	100.000 446	123.5 450	83.1 Citicasters Licenses, Inc.	-20.8*<	16.5
266C Cocoa Beach	WJRR	LIC	C FL	169.7 349.9	148.23 BMLH20031010ADE	28 34 51.0 81 04 32.0	100.000 487	128.4 500	86.1 Clear Channel Broadcasting	12.7	52.0
270C Daytona Beach	WJHM	LIC NC	FL	178.6 358.6	108.27 BMLH20081010ATQ	28 55 10.0 81 19 08.0	92.000 483	12.1 493	84.5 Cbs Radio Stations Inc.	89.1	22.7
266L1 Palakta	WPRD-LP	CP	FL	225.3 45.2	40.01 BNPL20010615BDW	29 38 23.0 81 38 26.0	0.054 41	8.6 47	6.0 Minority Educational Broad	24.3	23.8
265D Palm Coast	W265CF	LIC	C FL	168.7 348.7	40.55 BLFT20130610ACE	29 32 07.0 81 15 50.0	0.250 112	1.1 119	13.4 Flagler Broadcasting, Llc	32.4	26.0
270D Jacksonville Beach	W270CD	CP	C FL	333.8 153.7	47.48 BPFT20140909AEP	30 16 34.1 81 33 51.4	0.118	0.8 264	17.2 Educational Media Foundati	39.6	29.2
264C0 Brunswick	WMUV	LIC NC	GA	340.1 159.9	109.79 BLH20040915ADX	30 49 16.0 81 44 14.0	62.000 449	10.6 450	78.2 Chesapeake-portsmouth Broa	92.1	30.5
267A Williston	WTMG	LIC	C FL	245.9 65.3	127.71 BMLH19990310KA	29 25 04.0 82 32 58.0	3.500 132	83.8 154	28.4 Marc Radio Gainesville, Ll	36.8	75.5
270D Jacksonville Beach	W270CD	LIC	C FL	354.0 174.0	46.05 BLFT20120514AFH	30 18 18.0 81 23 47.0	0.038 71	0.4 73	6.9 Educational Media Foundati	38.5	38.1
213C1 Gainesville	WYFB	LIC DC	FL	268.3 87.9	82.47 BMLED20000606ACG	29 52 08.0 82 12 04.0	97.000 207	111.8 248	37.3 Bible Broadcasting Network	22.0R	60.6M
265A Gainesville	WXJZ	LIC CN	FL	253.1 72.6	97.74 BMLH19980504KE	29 38 03.0 82 18 50.0	6.000 91	2.8 123	28.4 Jvc Media Of Florida, Llc	87.9	68.2

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. Call signs with exclamation marks need not be protected.

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.

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**EXHIBIT B2**

N. Lat. = 29° 53' 34.9" - Tabulated Protected and Interfering Contours  
W. Lng. = 81° 20' 45.8" - W268BX FM Translator, Saint Augustine, Florida

HAAT and Distance to Contour - FCC 30 second terrain database

Azi.	AV EL	HAAT	ERP kW	dBk	Field	160-F1	100-F1	60-F5	54-F1	40-F1
000	0.7	31.6	0.2500	-6.02	1.000	0.00	1.11	7.25	10.37	24.30
010	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
020	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
030	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
040	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
050	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
060	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
070	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
080	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
090	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
100	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
110	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
120	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.48	24.56
130	0.0	32.3	0.2500	-6.02	1.000	0.00	1.11	7.32	10.47	24.55
140	0.4	31.9	0.2500	-6.02	1.000	0.00	1.11	7.28	10.42	24.41
150	2.4	29.9	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
160	9.4	22.9	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
170	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
180	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
190	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
200	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
210	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
220	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
230	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
240	9.8	22.5	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
250	9.9	22.4	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
260	8.8	23.5	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
270	8.1	24.2	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
280	7.9	24.4	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
290	9.4	22.9	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
300	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
310	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
320	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
330	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
340	10.0	22.3	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76
350	5.8	26.5	0.2500	-6.02	1.000	0.00	1.11	7.09	10.15	23.76

AMSL= 32.3 M