

MODIFY BMPFT-20150901ACN
CORNERSTONE BROADCASTING CORPORATION
W267BX FM TRANSLATOR STATION
CH 267D - 101.3 MHZ - 0.080 KW - ND
ST. AUGUSTINE, FLORIDA
October 2015

EXHIBIT A

Interference Study for W267BX
Using Proposed Site as Reference

The proposed W267BX, operating with an effective radiated power of 0.08 kilowatt at 60.0 meters (196.9 feet) above ground level, will not cause interference to any existing, applied for, or proposed facility. As noted on Exhibit A1, the proposed W267BX is within the predicted 60 dBu contour of second adjacent station W264CQ, Channel 264D, St. Augustine, Florida. Due to the relationship between the proposed W267BX 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 W267BX site.

W264CQ is co-located with the proposed operation of W267BX, and the W264CQ contour at the proposed W267BX tower site is 120 dBu (50/50) or higher. The corresponding interfering contour for W267BX is 160 dBu (50/10). At its greatest distance, the interfering contour (160 dBu, FCC 50/10) of W267BX extends less than 10.0 meters (32.8 feet) from the proposed W267BX antenna, as tabulated on Exhibit A2. Since the W267BX antenna will be mounted at 60.0 meters (196.9 feet) above ground level, this contour never reaches the ground. As such, W267BX will not receive interference from the proposed translator.

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EXHIBIT A1

Interference Study for W267BX
Using Proposed Site as Reference

REFERENCE		CH# 267D - 101.3 MHz, Pwr= 0.08 kW, HAAT= 50.3 M, COR= 55.4 M								DISPLAY DATES	
29 53 34.9 N.		Average Protected F(50-50)= 6.9 km								DATA 10-16-15	
81 20 45.8 W.		Omni-directional								SEARCH 10-23-15	
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*
267D St. Augustine	W267BX!	CP	C FL	0.0 0.0	0.00 BMPFT20150901ACN	29 53 34.9 81 20 45.8	0.038	22.8 73	6.8 Cornerstone Broadcasting C	-30.0	-30.9
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	-7.7*<	-7.6*<
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.	-20.2*<	17.3
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	13.3	52.8
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.	89.7	23.2
266L1 Palakta	WPRD-LP	CP		225.3 45.2	40.01 BNPL20010615BDW	29 38 23.0 81 38 26.0	0.054 41			24.9	24.6
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	32.9	26.5
270D Jacksonville Beach	W270CD	APP	C FL	333.8 153.7	47.47 BMPFT20150921AAS	30 16 34.0 81 33 51.0	0.120	0.8 264	17.3 Educational Media Foundati	40.2	29.6
270D Jacksonville Beach	W270CD	APP	C FL	333.8 153.7	47.47 BMPFT20150921AAS	30 16 34.0 81 33 51.0	0.110	0.7 274	17.2 Educational Media Foundati	40.2	29.6
270D Jacksonville Beach	W270CD	CP	C FL	333.8 153.7	47.47 BMPFT20150619AAM	30 16 34.0 81 33 51.0	0.140	0.8 241	17.1 Educational Media Foundati	40.1	29.7
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	92.7	31.0
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, L1	37.4	77.4
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	38.6

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 A2

N. Lat. = 29° 53' 34.9' - Tabulated Protected and Interfering Contours
W. Lng. = 81° 20' 45.8' - W267BX FM Translator, Saint Augustine, Florida

HAAT and Distance to Contour - FCC 30 second terrain database

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	160-F1	100-F1	54-F1	40-F1
000	0.7	54.7	0.0800	-10.97	1.000	7.18	0.00	0.63	10.33	24.07
010	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
020	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
030	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
040	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
050	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
060	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
070	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
080	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
090	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
100	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
110	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
120	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.23
130	0.0	55.4	0.0800	-10.97	1.000	7.23	0.00	0.63	10.40	24.22
140	0.4	55.0	0.0800	-10.97	1.000	7.20	0.00	0.63	10.36	24.14
150	2.4	53.0	0.0800	-10.97	1.000	7.06	0.00	0.63	10.17	23.70
160	9.4	46.0	0.0800	-10.97	1.000	6.56	0.00	0.63	9.42	22.00
170	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
180	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
190	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
200	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
210	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
220	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
230	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
240	9.8	45.6	0.0800	-10.97	1.000	6.52	0.00	0.63	9.37	21.87
250	9.9	45.5	0.0800	-10.97	1.000	6.51	0.00	0.63	9.36	21.85
260	8.8	46.6	0.0800	-10.97	1.000	6.60	0.00	0.63	9.48	22.13
270	8.1	47.3	0.0800	-10.97	1.000	6.66	0.00	0.63	9.57	22.33
280	7.9	47.5	0.0800	-10.97	1.000	6.67	0.00	0.63	9.58	22.36
290	9.4	46.0	0.0800	-10.97	1.000	6.56	0.00	0.63	9.42	22.00
300	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
310	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
320	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
330	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
340	10.0	45.4	0.0800	-10.97	1.000	6.51	0.00	0.63	9.35	21.83
350	5.8	49.6	0.0800	-10.97	1.000	6.82	0.00	0.63	9.82	22.89

AMSL= 55.4 M