

MINOR CHANGE APPLICATION
VERO BEACH BROADCASTERS, LLC
W257DE FM TRANSLATOR STATION
CH 289D - 105.7 MHz - 0.250 Kw
VERO BEACH, FLORIDA
January 2016

EXHIBIT C

Interference Study for W257DE On Channel 289
Using Proposed Site as Reference

The proposed W257DE operating on Channel 289 with an effective radiated power of 0.250 kilowatt at 49.0 meters (161 feet) above ground level, will not cause interference to any existing, applied for, or proposed facility.

Based on the foregoing, it is believed that the proposed W257DE on Channel 289 is in compliance with §74.1204(d) of the Commission's rules.

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EXHIBIT C1

Interference Study for W257DE on Channel 289
Using Proposed Site as Reference

REFERENCE CH# 289D - 105.7 MHz, Pwr= 0.25 kW, HAAT= 50.4 M, COR= 56.6 M DISPLAY DATES
27 37 12.0 N. Average Protected F(50-50)= 9.3 km DATA 01-23-16
80 25 01.0 W. Omni-directional SEARCH 01-23-16

CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
289C3 Sebring	WVLL	LIC NCN FL		254.6 74.1	108.12 BLH19980507KD	27 21 29.0 81 28 22.0	19.000 107	110.1 133	39.3 Cohan Radio Group, Inc.	-10.9*	39.3
289L1 Palm Bay	WECA-LP	CP FL		330.5 150.4	42.46 BNPL20131112BME	27 57 08.6 80 37 46.7	0.100 17	25	New Birth F. Baptist Church	14.9	7.3
291D Fort Pierce	W291AL	LIC VN FL		195.9 15.8	17.65 BLFT19980731TF	27 28 02.0 80 27 57.0	0.170 34	0.9 40	6.4 Central Educational Broadc	7.8	10.1
288C2 Hobe Sound	WOLL	LIC ZCX FL		160.6 340.7	101.13 BLH20030318ADR	26 45 42.0 80 04 42.0	50.000 139	75.4 142	49.7 Clear Channel Broadcasting	16.6	38.9
290L1 Fort Pierce	WBOF-LP	LIC FL		161.4 341.5	40.49 BLL20060620AAA	27 16 29.0 80 17 11.0	0.094 31	34	Faith Baptist Church Of Fo	23.3	22.2
292C3 Melbourne	WCIF	LIC CN FL		334.0 153.9	64.03 BLH19990210KA	28 08 15.0 80 42 11.0	13.500 136	3.8 138	38.0 First Baptist Church, Inc.	51.2	24.9
291C3 Okeechobee	WAFC-FM	LIC NCX FL		225.2 45.0	62.83 BLH20100625AHA	27 13 16.8 80 52 05.8	12.500 85	3.0 90	30.0 Bmz Broadcasting, Llc	50.9	31.7
290C Deland	WOCL	LIC C FL		328.8 148.3	169.32 BLH20070424AAM	28 55 10.0 81 19 08.0	100.000 484	128.6 494	86.2 Cbs Radio Stations Inc.	31.9	70.6
286C Orlando	WOMX-FM	LIC C FL		329.0 148.7	124.83 BMLH20030924ABI	28 34 51.0 81 04 32.0	100.000 487	12.5 500	85.9 Cbs Radio Stations Inc.	103.4	37.8

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 C2

N. Lat. = 27° 37' 12.0" - Protected and Interfering Contours
W. Lng. = 80° 25' 01.0" - W257DE on Channel 287, Vero Beach, Florida

HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - FCC 30 SEC

Azi.	AV EL	HAAT	ERP kW	dBk	Field	100-F1	60-F5	54-F1	40-F1
000	5.5	51.1	0.2500	-6.02	1.000	1.11	9.38	13.10	31.13
010	2.1	54.5	0.2500	-6.02	1.000	1.11	9.71	13.52	32.36
020	0.1	56.5	0.2500	-6.02	1.000	1.11	9.89	13.77	33.06
030	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
040	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
050	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
060	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
070	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
080	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
090	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.08
100	0.0	56.6	0.2500	-6.02	1.000	1.11	9.90	13.77	33.07
110	0.1	56.5	0.2500	-6.02	1.000	1.11	9.89	13.76	33.05
120	0.7	55.9	0.2500	-6.02	1.000	1.11	9.84	13.69	32.84
130	1.4	55.2	0.2500	-6.02	1.000	1.11	9.78	13.61	32.61
140	2.8	53.8	0.2500	-6.02	1.000	1.11	9.64	13.43	32.08
150	8.0	48.6	0.2500	-6.02	1.000	1.11	9.12	12.77	30.24
160	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
170	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
180	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
190	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
200	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
210	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
220	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
230	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
240	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
250	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
260	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
270	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
280	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
290	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
300	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
310	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
320	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
330	10.0	46.6	0.2500	-6.02	1.000	1.11	8.91	12.50	29.54
340	8.2	48.4	0.2500	-6.02	1.000	1.11	9.10	12.74	30.16
350	9.4	47.2	0.2500	-6.02	1.000	1.11	8.97	12.58	29.74

AMSL= 56.6 M