

Exhibit 13: Proposed W219CA
Pensacola Christian College, Inc.
Average Protected F(50-50)= 4.71 km
Omni-directional

REFERENCE
42 16 50.0 N.
85 34 18.3 W.

CH# 219D - 91.7 MHz, Pwr= 0.05 kW, HAAT= 0.6 M, COR= 262.4 M

DISPLAY DATES
DATA 02-25-15
SEARCH 03-27-15

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
219B Ann Arbor	WUOM	LIC	_CN MI	83.5 264.6	136.96 BLED19990204KA	42 24 27.0 83 54 50.0	93.000 237	162.9 513	65.5 Regents Of The University	-30.7*	56.4
219D Kal amazoo	W219CA	LIC	_V_ MI	342.0 162.0	1.75 BLFT20000926AND	42 17 44.0 85 34 42.0	0.050 -39	15.0 224	4.7 Pensacola Christian Colleg	-18.0*	-18.0*
220A Ri chl and	WMJC	LIC	DVX MI	44.1 224.3	26.82 BLED20080815AAC	42 27 13.0 85 20 39.0	6.000 67	27.3 347	16.2 Cal vary Radio Network, Inc	-3.5*	2.2
218B1 Vi cksburg	WVAV	LIC	DVX MI	155.2 335.3	31.84 BLED20130620AAS	42 01 13.3 85 24 36.8	20.000 53	28.3 317	19.1 Vineyard Academy	-1.0	5.9
218B Wakeshma Townshi p	1220155	APP	ZCX MI	142.1 322.3	32.51 BNPED20071019ANK	42 02 58.0 85 19 48.0	50.000 69	27.7 337	18.8 Smile Fm	0.2	6.9
217B Grand Rapids	WCSG	LIC	DCN MI	353.7 173.6	57.67 BLED19910801KA	42 47 46.0 85 38 58.0	37.000 174	5.1 400	47.1 Cornerstone University	47.6	9.6
219A South Bend	WETL	LIC	_CN IN	217.2 36.8	91.48 BLED19830926AG	41 37 24.0 86 14 15.0	3.000 91	76.5 331	24.6 South Bend Community Schoo	10.2	51.8
222D Battle Creek	W222BB	LIC	_C_ MI	83.3 263.5	30.72 BLFT20080421AAN	42 18 44.0 85 12 02.0	0.080 36	0.6 311	6.4 Spring Arbor University	25.4	23.6
219A Muskegon	WMCQ	LIC	DCX MI	346.5 166.2	117.80 BLED20050401AOE	43 18 37.0 85 54 44.0	6.000 100	88.2 329	29.5 American Family Associatio	24.7	73.2
221A Dowagi ac	WHPD	LIC	_CN MI	231.8 51.5	50.67 BMLH19911112KA	41 59 52.0 86 03 14.0	3.300 91	2.0 342	20.8 Lesea Broadcasting Corpora	43.9	27.9
222D Athens	W222BS	LIC	_C_ MI	118.0 298.2	33.67 BLFT20130808AGB	42 08 16.0 85 12 40.0	0.035 6	0.4 285	4.3 Swick Broadcasting Company	28.6	28.9
220A Howe	WQKO	LIC	NC_ IN	165.5 345.6	72.36 BLED20120730ACJ	41 39 01.0 85 21 12.0	1.600 132	37.5 416	24.9 Cal vary Radio Network, Inc	30.1	40.7
219D South Haven	W219DG	LIC	_C_ MI	283.7 103.3	57.99 BLFT20070625ABI	42 24 08.0 86 15 29.0	0.009 74	13.9 262	4.4 World Radio Link, Inc.	39.4	38.6
06-T Chi cago	WRME-LP	LI	_D_N IL	256.6 75.2	174.47 BLTVL20100111AIE	41 53 56.0 87 37 23.0	3.000 387	1.0 566	78.1 Wl fm, LI c	131.5R	43.0M
06 T Chi cago	WRME-LP	CP	_N IL	256.6 75.2	174.47 BDFCDVL20130114ACW	41 53 56.0 87 37 23.0	3.000 387	1.0 566	78.1 Wl fm, LI c	131.5R	43.0M
06- Wi ndsor	301585	AP	_HN ON	88.1 269.8	208.77	42 18 58.0 83 02 24.0	0.560	1.0 184	78.1 South Western Ontario B/ca	131.5R	77.3M
06 Stevenson	VACANT	GR	_HN ON	94.4 276.5	256.18 BPFS20081204AET	42 03 41.0 82 29 05.0	0.600 300	1.0 481	78.1 131.5R	131.5R	124.7M
06 D Di xon	WDXN-LD	CP	_N IL	265.2 82.8	301.01 BNPDVL20090825B0Q	41 59 46.0 89 12 11.0	0.300 241	1.0 453	78.1 Km Communi cations, Inc.	131.5R	169.5M
06 T Col umbi a	DW27CT	AP	_D_N IN	166.3 346.9	325.16 BDI SDVL20070122AKO	39 26 09.0 84 40 23.7	0.300 219	1.0 415	78.1 Venture Technol ogies Group	131.5R	193.7M
06 T Cl evel and	WLFM-LP	CP	_N OH	106.0 288.6	335.72 BDFCDVL20131122AVX	41 22 58.0 81 42 07.0	3.000 311	1.0 506	78.1 Murray Hill Broadcasting,	131.5R	204.2M

Terrain database is USGS 03 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 protected contour.