

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING LLC**  
**NEW FM TRANSLATOR STATION**  
**CH 300D - 107.9 MHZ - 0.25 KW**  
**MELBOURNE, FLORIDA**  
**December 2017**

**EXHIBIT B1**

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

REFERENCE		CH# 300D - 107.9 MHZ, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 42 M								DISPLAY DATES	
28 07 40.0 N.		Average Protected F(50-50)= 7.1 km								DATA 12-01-17	
80 42 29.0 W.		Omni-directional								SEARCH 12-01-17	
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*
300D Melbourne	1762289!	APP	C FL	0.0 0.0	0.00 BNPFT20170731AAO	28 07 40.0 80 42 29.0	0.250	24.5 42	7.3 Cumulus Licensing Llc	-31.7	-31.7
299C Mount Dora	WMGF	LIC	C FL	326.0 145.7	106.32 BLH20081201AGU	28 55 10.1 81 19 07.4	100.000 484	128.6 494	86.2 Clear Channel Broadcasting	-30.5*	8.5
298D Aurora	W298AM	LIC	C FL	160.8 340.8	9.51 BLFT20061127AAG	28 02 49.0 80 40 34.0	0.013 121	0.3 127	6.9 Caron Broadcasting, Inc.	1.9	1.5
300C1 West Palm Beach	WEAT	LIC	CN FL	161.8 342.0	159.63 BMLH19990319KD	26 45 47.0 80 12 19.0	100.000 130	150.3 133	54.7 Alpha Media Licensee Llc	1.7	80.3
300D Vero Beach	W300BQ	LIC	C FL	152.1 332.2	66.33 BLFT20110223AAC	27 36 01.0 80 23 33.6	0.250 56	31.1 61	9.4 Capstar Tx, Llc	27.9	32.5
246C3 Indian River Shores	WOSN	LIC	ZCN FL	150.5 330.7	50.02 BLH19970501KE	27 44 06.0 80 27 27.0	23.000 106	111.8 109	37.3 Vero Beach Broadcasters, L	11.5R	38.5M
300D Lake Wales	W300CY	LIC	DC FL	261.7 81.2	88.42 BLFT20161104AAQ	28 00 33.9 81 35 57.7	0.100	40.7 159	12.1 Radio Training Network, In	40.1	51.0

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.

< = Station meets FCC minimum distance spacing for its class.

Reference station has protected zone issue: AM tower

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**EXHIBIT B2**

N. Lat. = 28° 07' 40.0" - Protected and Interfering Contour Data  
W. Lng. = 80° 42' 29.0" - New FM Translator, Melbourne, Florida

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	10.0	32.0	0.2500	-6.02	1.000	7.29	24.45	10.43	1.11
010	7.8	34.2	0.2500	-6.02	1.000	7.51	25.22	10.75	1.11
020	5.8	36.2	0.2500	-6.02	1.000	7.73	25.90	11.03	1.11
030	4.5	37.5	0.2500	-6.02	1.000	7.88	26.38	11.23	1.11
040	3.9	38.1	0.2500	-6.02	1.000	7.95	26.59	11.31	1.11
050	2.9	39.1	0.2500	-6.02	1.000	8.06	26.92	11.45	1.11
060	3.0	39.0	0.2500	-6.02	1.000	8.05	26.89	11.44	1.11
070	2.6	39.4	0.2500	-6.02	1.000	8.09	27.03	11.49	1.11
080	2.6	39.4	0.2500	-6.02	1.000	8.09	27.01	11.49	1.11
090	2.5	39.5	0.2500	-6.02	1.000	8.10	27.06	11.51	1.11
100	3.7	38.3	0.2500	-6.02	1.000	7.96	26.64	11.33	1.11
110	4.6	37.4	0.2500	-6.02	1.000	7.87	26.34	11.21	1.11
120	5.7	36.3	0.2500	-6.02	1.000	7.75	25.96	11.05	1.11
130	7.5	34.5	0.2500	-6.02	1.000	7.55	25.33	10.80	1.11
140	10.0	32.0	0.2500	-6.02	1.000	7.29	24.45	10.43	1.11
150	10.0	32.0	0.2500	-6.02	1.000	7.29	24.45	10.43	1.11
160	9.6	32.4	0.2500	-6.02	1.000	7.33	24.60	10.49	1.11
170	7.8	34.2	0.2500	-6.02	1.000	7.51	25.22	10.75	1.11
180	4.9	37.1	0.2500	-6.02	1.000	7.83	26.22	11.16	1.11
190	2.1	39.9	0.2500	-6.02	1.000	8.15	27.19	11.56	1.11
200	0.6	41.4	0.2500	-6.02	1.000	8.33	27.74	11.78	1.11
210	0.9	41.1	0.2500	-6.02	1.000	8.29	27.61	11.73	1.11
220	1.0	41.0	0.2500	-6.02	1.000	8.28	27.60	11.73	1.11
230	3.0	39.0	0.2500	-6.02	1.000	8.04	26.88	11.43	1.11
240	5.1	36.9	0.2500	-6.02	1.000	7.81	26.16	11.14	1.11
250	7.4	34.6	0.2500	-6.02	1.000	7.56	25.37	10.81	1.11
260	7.6	34.4	0.2500	-6.02	1.000	7.54	25.31	10.79	1.11
270	7.0	35.0	0.2500	-6.02	1.000	7.60	25.48	10.86	1.11
280	7.3	34.7	0.2500	-6.02	1.000	7.57	25.39	10.82	1.11
290	6.6	35.4	0.2500	-6.02	1.000	7.65	25.64	10.92	1.11
300	0.0	42.0	0.2500	-6.02	1.000	8.39	27.92	11.86	1.11
310	0.7	41.3	0.2500	-6.02	1.000	8.31	27.70	11.77	1.11
320	0.5	41.5	0.2500	-6.02	1.000	8.33	27.75	11.79	1.11
330	2.3	39.7	0.2500	-6.02	1.000	8.13	27.15	11.54	1.11
340	7.7	34.3	0.2500	-6.02	1.000	7.53	25.26	10.76	1.11
350	9.6	32.4	0.2500	-6.02	1.000	7.33	24.58	10.48	1.11

Ave El= 4.97 M HAAT= 37.03 M AMSL= 42.0