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Supplemental Exhibit in Support of Application BDISDTL-20090310ADY, Ch 42 Syracuse, NY

Introduction

This application requests a waiver of the adjacent channel interference rules to permit the use of a “full service” adjacent channel mask to protect an adjacent channel digital full service stations:

WPBS-DT, Ch 41 BLEDT-20050923AGH

Table 54 from OET Bul 69 provides the allowable adjacent channel ratios (- indicates interfering signal greater than desired signal.)

Protected Channel	
Lower Adjacent Ch 41	
Full Service OET Bulletin 69	-26dB
LPTV Stringent mask	-12dB
Change	14dB

The results of a Longley-Rice Terrain Dependent Interference Analysis based on an LPTV stringent mask corrected for the 14dB difference are presented below.

The lost population adjustment is derived from an examination of the cell-by-cell analysis in the file “xxxx_ix”. This file shows, on a cell-by-cell basis, the lost population due to the new application and the dB level by which the interfering signal exceeds the non-interference value. With the 14 or 16dB improvement only the cells, which show greater ratios, will still cause interference with the benefit of the full service mask in place.

Interference to WPBS-DT, Ch 41
BLEDT-20050923AGH

Within noise limited contour	235,559
After analysis based on 14dB	121
Adjustment (Note 1)	
(121 ÷ 235,559) x 100	0.05%

Interference to WNYS-TV, Ch 43
BLCT-19961202LO

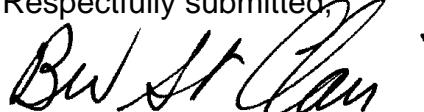
This station has ceased analog operation and is no longer using channel 43. This was verified by checking the station's web site which states they have ceased analog broadcasting.

Note 1: The supplemental file "xxxx_ix" lists only those cells which receive interference from the new application. It lists the amount in dB by which each affected cell is over the allowable interference ratio. To determine the lost population based on the 14 or 16dB improvement it is only necessary to add the populations of those cells, which have interference exceeding the appropriate ratio.

Conclusion

This proposed station when built and tested to compliance with the full service mask will not cause interference in excess of the allowed 0.5% to either WPBS-DT. The application is grantable as requested specifying the full service mask.

Respectfully submitted,



B. W. St. Clair
Engineering Consultant
04/14/2009

**Appendix 1 – Supplemental Exhibit in Support of Application
BDISDTL-20090310ADY, Ch 42 Syracuse, NY**

41D NY WATERTOWN BLEDT 20050923AGH
 ERP 40.00 kW HAAT 370.0 m RCAMSL 754.0 m
 Antenna CDB 9999999999999999

SCENARIO Number: 2

DISTANCE	BEARING	dB-IX	CELL	POP	CELL COORDINATES
37.9	56.4	4.46	47	155658	272740
37.2	54.3	2.46	35	155682	272800
41.0	57.2	6.32	13	155696	272610
36.0	51.5	8.23	77	155704	272892
31.2	45.2	14.39*	47	155692	273158
29.6	41.5	14.84*	28	155696	273272
27.5	35.9	6.46	157	155700	273429
26.7	33.2	8.25	143	155702	273495
43.6	58.4	6.21	176	155717	272493
42.3	57.1	4.60	56	155722	272564
41.6	55.2	4.47	94	155746	272627
38.8	53.8	1.31	97	155720	272750
33.4	46.3	2.06	16	155727	273069
32.4	43.5	15.17*	10	155740	273153
29.3	38.2	15.30*	36	155726	273337
28.2	34.5	5.33	6	155731	273435
25.3	20.5	10.75	29	155746	273750
43.6	55.9	3.75	110	155769	272537
40.3	53.0	0.43	77	155763	272714
37.1	49.3	3.94	6	155762	272894
30.8	37.9	0.78	17	155765	273303
29.1	34.9	2.44	21	155753	273404
26.0	19.3	5.38	15	155775	273762
25.5	18.3	8.73	13	155763	273788
36.7	46.9	4.01	13	155790	272951
29.9	32.9	7.21	79	155792	273423
29.3	30.5	0.83	5	155797	273482
26.5	18.9	5.55	59	155793	273761
26.3	13.2	8.54	35	155809	273877
26.1	10.2	3.71	8	155812	273938
25.9	8.1	2.71	93	155810	273981
38.7	48.2	5.65	73	155813	272860
37.1	45.5	3.97	7	155821	272965
37.1	44.9	3.47	4	155830	272978
26.8	10.9	5.94	4	155833	273918
26.6	8.5	11.17	65	155831	273969
37.3	43.1	1.19	25	155861	273010
28.4	4.9	4.23	51	155897	274037
44.2	48.1	1.12	29	155934	272679
38.1	40.3	0.51	19	155919	273047
29.6	6.8	0.89	32	155932	273987
60.5	59.9	4.48	33	155956	271816
49.4	52.7	4.13	17	155944	272395
37.0	34.1	1.20	20	155971	273220
30.4	6.6	0.19	54	155957	273988

30.1	5.2	0.58	113	155952	274022
30.6	350.1	5.81	60	155955	274378
65.6	61.3	2.50	50	155992	271580
63.5	59.9	3.43	25	156004	271699
62.8	59.9	5.31	15	155993	271723
61.2	59.4	3.70	281	155983	271799
59.6	58.1	3.16	10	155993	271890
51.1	52.7	2.37	64	155978	272333
44.9	45.6	7.17	321	155995	272717
37.7	33.9	7.22	23	155994	273208
31.1	7.2	0.58	233	155980	273971
60.6	58.3	3.44	79	156006	271847
59.0	57.1	6.69	32	156014	271938
51.6	51.9	4.11	21	156007	272337
48.5	48.3	0.88	38	156023	272532
44.7	43.2	3.62	84	156034	272781
37.4	32.0	1.15	30	156007	273261
63.6	58.4	1.38	12	156053	271732
62.7	57.8	4.06	10	156056	271782
60.5	56.5	2.75	36	156056	271897
59.4	55.6	2.78	91	156061	27195
65.5	58.7	2.35	11	156074	271651
64.8	58.1	2.19	9	156083	271693
63.4	57.0	5.03	66	156090	271776
61.3	55.7	0.98	9	156093	271887
53.3	49.9	4.53	25	156086	272328
58.8	52.9	4.28	9	156122	272055
60.8	53.6	0.15	26	156144	271962
52.8	47.2	4.33	6	156138	272416
61.4	52.9	0.83	8	156173	271961
56.2	48.5	5.27	3	156180	272268
55.7	47.5	5.40	12	156195	272312
52.6	45.2	4.25	71	156177	272480
56.5	47.1	3.42	3	156222	272301
50.9	40.7	7.30	4	156227	272665
71.8	56.8	2.08	8	156245	271464
53.5	42.5	2.68	17	156256	272532
55.1	43.0	7.09	5	156282	272466
64.2	50.7	2.63	22	156293	271929
56.3	42.8	5.22	3	156313	272439
54.1	36.9	0.31	9	156380	272694
55.5	37.2	3.75	5	156411	272647
59.7	31.2	2.24	16	156631	272764

END OF SCENARIO