

MINOR CHANGE APPLICATION
GALAXY COMMUNICATIONS, LLC
W263CG FM TRANSLATOR STATION
CH 263D - 100.5 MHZ - 0.25 KW - ND
COLONIE, NEW YORK
May 2015

EXHIBIT C

Interference Study for K264AU
Using Proposed Site as Reference

The proposed W263CG, operating with an effective radiated power of 0.25 kilowatt at 83.8 meters (274.9 feet) above ground level, will not cause interference to any existing, applied for or proposed facility. As noted on Exhibit C1, the proposed W263CG is within the predicted 60 dBu contour of second adjacent station WKLI-FM, Channel 265A, Albany, New York. Due to the relationship between the proposed W263CG and WKLI-FM, a 40 db ratio of the protected and interfering contours applies. We have, therefore, calculated the WKLI-FM level of signal at the proposed W263CG site.

The proposed W263CG will be located on the same tower as the WKLI-FM antenna system. The WKLI-FM contour at the W263CG tower site is in excess of 120.0 dBu (50/50). The corresponding interfering contour for W263CG is 160.0 dBu (50/10). At its greatest distance, the interfering contour (160 dBu, FCC 50/10) of W263CG extends 10.0 meters (32.8 feet) from the proposed W263CG site, as indicated on Exhibit C2. Since the W263CG antenna will be mounted at 83.8 meters (274.9 feet) above ground level, this contour never reaches the ground. As such, WKLI-FM will not receive interference from the proposed translator.

Based on the foregoing, it is believed that the proposed W263CG is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed to address WKLI-FM, one is respectfully requested.

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EXHIBIT C1

Interference Study for W263CG
Using Proposed Site as Reference

REFERENCE		CH# 263D - 100.5 MHz, Pwr= 0.25 kW, HAAT= 98.2 M, COR= 198.4 M								DISPLAY DATES	
42 43 54.7 N.		Average Protected F(50-50)= 12.8 km								DATA 05-22-15	
73 52 56.7 W.		Omni-directional								SEARCH 05-26-15	
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*
263D Colonie	W263CG	CP	C NY	314.1 134.1	0.76 BNPFT20130328ANG	42 44 12.0 73 53 21.0	0.099 36	30.1 140	9.1 Galaxy Communications, Llc	-41.5*	-50.1*
265A Albany	WKLI-FM	LIC	CN NY	0.0 324.2	0.00 BMLH19910301KC	42 43 54.0 73 52 56.0	6.000 91	2.9 202	29.5 6 Johnson Road Licenses, I	-15.0*<	-30.6*<
209A Schenectady	WRUC	LIC	CN NY	338.2 158.2	10.28 BLED19840412BY	42 49 04.0 73 55 45.0	0.100 -27	111.8 108	37.3 Trustees Of Union College	9.5R	0.8M
260D Albany	W260CH	LIC	C NY	114.3 294.4	18.30 BLFT20141223ABI	42 39 50.2 73 40 41.8	0.250	1.1 224	15.7 Educational Media Foundati	2.9	1.5
263B New Britain	WRCH	LIC	CX CT	142.5 323.3	143.32 BMLH20090430AAN	41 42 13.0 72 49 57.0	7.500 381	126.1 475	65.4 Cbs Radio Stations Inc.	2.1	11.1
262B1 Warrensburg	WFFG-FM	LIC	CN NY	7.3 187.4	77.14 BLH19950606KC	43 25 12.0 73 45 39.0	1.450 400	56.2 680	42.8 6 Johnson Road Licenses, I	8.3	11.8
261A North Adams	WUPE-FM	LIC	NCX MA	93.0 273.5	66.92 BMLH20091119ADB	42 41 51.0 73 03 52.0	1.300 153	2.4 662	38.1 Berkshire Broadcasting Co.	50.6	27.7
264A Wilmington	WTHK	LIC	C VT	71.8 252.4	82.20 BLH19991215ABK	42 57 33.0 72 55 22.0	0.130 452	34.4 1107	22.5 Great Eastern Radio, Llc	34.1	39.1
263C3 Lebanon	WXXX	LIC	NCN NH	50.9 232.0	164.58 BLH19970307KF	43 39 18.0 72 17 42.0	22.000 99	115.9 375	42.4 Great Eastern Radio, Llc	34.5	74.3
266A Fort Plain	WBUG-FM	LIC	CN NY	282.8 102.2	75.43 BLH19910312KD	42 52 44.0 74 47 07.0	1.250 219	2.2 584	34.2 Roser Communications Netwo	62.1	40.1
262A Delhi	WDHI	LIC	CX NY	243.7 63.1	87.66 BMLH20040831AAL	42 22 43.0 74 50 22.0	1.600 196	38.9 764	25.9 Townsquare Media Oneonta L	41.6	51.7
266D Jefferson Heights,	W266BX	LIC	C NY	181.3 1.3	58.06 BLFT20101118AAA	42 12 35.0 73 53 54.0	0.010 74	0.2 194	4.8 Redeemer Broadcasting Inc.	43.1	52.2
209A Pittsfield	WTBR-FM	LIC	CN MA	121.2 301.6	58.19 BLED19850415KT	42 27 34.0 73 16 31.0	0.380 -35	111.8 372	37.3 Pittsfield Public School C	9.5R	48.8M

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. 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.
« = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap

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EXHIBIT C2

N. Lat. = 42 43 54.7 - Tabulated Protected and Interfering Contours
W. Lng. = 73 52 56.7 - W263CG FM Translator, Colonie, New York

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	160-F1
000	109.1	89.3	0.2500	-6.02	1.000	12.18	41.90	17.94	1.11	0.001
010	98.1	100.3	0.2500	-6.02	1.000	12.88	44.28	19.22	1.11	0.001
020	87.0	111.4	0.2500	-6.02	1.000	13.56	46.35	20.41	1.11	0.001
030	84.6	113.8	0.2500	-6.02	1.000	13.71	46.76	20.66	1.11	0.001
040	84.5	113.9	0.2500	-6.02	1.000	13.72	46.77	20.67	1.11	0.001
050	77.7	120.7	0.2500	-6.02	1.000	14.11	47.81	21.30	1.11	0.001
060	87.6	110.8	0.2500	-6.02	1.000	13.53	46.26	20.36	1.11	0.001
070	85.0	113.4	0.2500	-6.02	1.000	13.69	46.69	20.62	1.11	0.001
080	82.7	115.7	0.2500	-6.02	1.000	13.82	47.06	20.84	1.11	0.001
090	79.0	119.4	0.2500	-6.02	1.000	14.03	47.61	21.18	1.11	0.001
100	79.0	119.4	0.2500	-6.02	1.000	14.04	47.62	21.18	1.11	0.001
110	75.0	123.4	0.2500	-6.02	1.000	14.26	48.18	21.53	1.11	0.001
120	67.7	130.7	0.2500	-6.02	1.000	14.69	49.18	22.17	1.11	0.001
130	59.2	139.2	0.2500	-6.02	1.000	15.21	50.34	22.91	1.11	0.001
140	59.9	138.5	0.2500	-6.02	1.000	15.16	50.24	22.85	1.11	0.001
150	56.2	142.2	0.2500	-6.02	1.000	15.39	50.75	23.18	1.11	0.001
160	62.3	136.1	0.2500	-6.02	1.000	15.01	49.91	22.64	1.11	0.001
170	62.0	136.4	0.2500	-6.02	1.000	15.03	49.95	22.66	1.11	0.001
180	64.6	133.8	0.2500	-6.02	1.000	14.87	49.61	22.44	1.11	0.001
190	93.2	105.2	0.2500	-6.02	1.000	13.18	45.24	19.76	1.11	0.001
200	109.2	89.2	0.2500	-6.02	1.000	12.18	41.89	17.93	1.11	0.001
210	122.0	76.4	0.2500	-6.02	1.000	11.33	38.72	16.32	1.11	0.001
220	181.5	16.9	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11	0.001
230	169.6	28.8	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11	0.001
240	173.0	25.4	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11	0.001
250	156.9	41.5	0.2500	-6.02	1.000	8.34	27.76	11.79	1.11	0.001
260	119.9	78.5	0.2500	-6.02	1.000	11.47	39.27	16.59	1.11	0.001
270	144.0	54.4	0.2500	-6.02	1.000	9.70	32.32	13.51	1.11	0.001
280	130.7	67.7	0.2500	-6.02	1.000	10.73	36.37	15.18	1.11	0.001
290	102.0	96.4	0.2500	-6.02	1.000	12.64	43.48	18.78	1.11	0.001
300	120.2	78.2	0.2500	-6.02	1.000	11.45	39.20	16.56	1.11	0.001
310	110.3	88.1	0.2500	-6.02	1.000	12.10	41.62	17.79	1.11	0.001
320	91.9	106.5	0.2500	-6.02	1.000	13.27	45.49	19.91	1.11	0.001
330	94.3	104.1	0.2500	-6.02	1.000	13.12	45.04	19.65	1.11	0.001
340	104.8	93.6	0.2500	-6.02	1.000	12.46	42.87	18.45	1.11	0.001
350	108.1	90.3	0.2500	-6.02	1.000	12.25	42.13	18.06	1.11	0.001

OAMSL= 198.4 M