

SPACING NARRATIVE

This narrative exhibit is submitted to demonstrate that this proposal fully complies with the interference criteria set forth in Section 74.1204 of the Commission's rules. Attached as exhibits are a spacing study, an additional narrative exhibit which includes a Section 74.1204(d) showing, and maps demonstrating clearly that there is no prohibited overlap between this proposal and any other FM services. The attached FM spacing study demonstrates that this proposal would be fully spaced even as a full power Class A FM station to all but one other FM facility. The attached maps and the Section 74.1204(d) showing demonstrate that there is no prohibited contour overlap between this facility and the instant proposed FM translator facilities. WSBU, 88.3 MHz, St. Bonaventure, NY is 10.6 MHz from the proposed but is not a factor because this proposal is for 85 watts ERP. One full power station (grandfathered super power) and one FM translator has also been included to better show no prohibited overlap. As demonstrated in these maps no prohibited overlap with these stations is predicted.

The three facilities that have been included on the attached maps are: WQKY, 98.9, Emporium, PA (60 dBu contour to proposed 54 dBu interference contour); W254BQ, 98.7, Olean, NY (60 dBu contour to proposed 100 dBu interference contour); and WDCX-FM, 99.5, Buffalo, NY (54 dBu contour to proposed 94 dBu interference contour).

W256BS Olean 74.1204(d) Narrative is included to show allowable overlap under Section 74.1204(d) with this proposal's 100 dBu interference contour and the 60 dBu coverage contour of W254BQ, Olean, NY. A scale of kilometers has been included on the maps. These maps were drawn to scale using the rfSoftware series of computer programs.

By: Kevin Fitzgerald, Technical Consultant

Kevin Fitzgerald
 Job: W256BS Olean Macduffy Tran Int2.fmj
 Master Database: 2020_Nov_06.fmd
 Lat: N42:01:29 Lon: W078:26:53 NAD-83
 Channel: 256 Class: A
 Status: Licensed, Construction Permit, Application
 Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF
 Range: 100 km
 Comments: No Comments

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 Date: 10/30/2021 6:07:52 PM
 rfInvestigator Version 3.8.16
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Description: W256BS, 99.1, Olean, NY; Macduffy Site; Spacing Study; WSBU, WQKY, and W254BQ will be shown to be fully spaced.

Callsign	Ser	City	State	Latitude (NAD83)	Longitude (NA)	Channel	Class	Stat	73	207	CIERP	HAAT	Adjacen	Distanc	Bear	73	215	CI
WQKY	FM	EMPORIUM	PA	N41:29:32	W078:15:18	255 : 98.9 MA	LIC 72		-10.73	2.00	167	1st Adj	61.27	165	12.27			
WSBU	FM	ST. BONAVENTURE	NY	N42:04:45	W078:29:06	202 : 88.3 MA	LIC 10		-3.21	0.17	0	IF	6.79	333	6.79			
WRKW	FM	EBENSBURG	PA	N40:24:41	W078:46:28	256 : 99.1 MB	LIC 178		3.23	50.00	152	Co-Chan	181.23	189	38.23			
W254BQ	FM	OLEAN	NY	N42:03:04	W078:25:10	254 : 98.7 MDX	LIC 0		3.78	0.25	0	2nd Adj	3.78	039	3.78			
W256BS	FM	OLEAN	NY	N42:03:04	W078:25:10	256 : 99.1 MDX	LIC 0		3.78	0.10	0	Co-Chan	3.78	039	3.78			
WDCX-FM	FM	BUFFALO	NY	N42:38:09	W078:46:06	258 : 99.5 MB	LIC 69		3.85	110.0	195	2nd Adj	72.85	339	9.85			
WAAL	FM	BINGHAMTON	NY	N42:03:31	W075:57:05	256 : 99.1 MB	LIC 178		28.76	8.70	291	Co-Chan	206.76	089	63.76			
WBZA	FM	ROCHESTER	NY	N43:10:14	W077:40:22	255 : 98.9 MB	LIC 113		29.31	37.00	172	1st Adj	142.31	027	46.31			
WHMJ	FM	FRANKLIN	PA	N41:26:16	W079:55:28	257 : 99.3 MB1	LIC 96		43.07	7.30	183	1st Adj	139.07	242	67.07			
WHYP-LP	FM	CORRY	PA	N41:54:28	W079:39:05	255 : 98.9 ML1	LIC 56		44.59	0.00	26	1st Adj	100.59	263	44.59			
WKSE	FM	NIAGARA FALLS	NY	N42:58:41	W078:57:25	253 : 98.5 MB	AP 69		44.87	23.00	135	3rd Adj	113.87	338	50.87			
WKSE	FM	NIAGARA FALLS	NY	N43:00:18	W078:59:33	253 : 98.5 MB	LIC 69		48.75	46.00	128	3rd Adj	117.75	338	54.75			
WYVL	FM	YOUNGSVILLE	PA	N41:54:07	W079:15:40	203 : 88.5 MA	LIC 10		58.78	2.50	130	IF	68.78	259	68.78			
W255AE	FM	WARREN	PA	N41:51:33	W079:08:14	255 : 98.9 MDX	LIC 0		60.04	0.05	0	1st Adj	60.04	252	-7.96			
W254AQ	FM	JAMESTOWN	NY	N42:07:53	W079:13:12	254 : 98.7 MDX	LIC 0		64.98	0.01	88	2nd Adj	64.98	281	64.98			
W257AX	FM	HORNELL	NY	N42:21:02	W077:41:25	257 : 99.3 MDX	LIC 0		72.31	0.08	0	1st Adj	72.31	060	4.31			
WCOU	FM	ATTICA	NY	N42:49:36	W078:12:24	202 : 88.3 MB	LIC 15		76.28	11.00	163	IF	91.28	013	91.28			
WGYI	FM	OIL CITY	PA	N41:25:04	W079:42:52	253 : 98.5 MB1	LIC 48		77.10	20.00	91	3rd Adj	125.10	237	83.10			
INTL:ADD	FM	SIMCOE	ON	N42:52:13	W080:18:50	255 : 98.9 MA	102		77.98	0.00	0	1st Adj	179.98	301	179.98			
WZXR	FM	SOUTH WILLIAMSBURG	PA	N41:12:42	W076:57:15	257 : 99.3 MA	LIC 72		81.79	0.41	377	1st Adj	153.79	126	104.79			
WGMM	FM	CORNING	NY	N42:08:31	W077:04:39	254 : 98.7 MA	LIC 31		83.15	1.20	220	2nd Adj	114.15	083	89.15			
W203AW	FM	FREDONIA	NY	N42:27:06	W079:18:05	203 : 88.5 MDX	LIC 0		84.93	0.02	4	IF	84.93	304	84.93			
WOLR-LP	FM	WILLIAMSPORT	PA	N41:13:29	W077:03:30	255 : 98.9 ML1	LIC 56		89.96	0.00	0	1st Adj	145.96	127	89.96			
WFLK	FM	SENECA FALLS	NY	N42:59:38	W076:51:58	257 : 99.3 MA	LIC 72		96.81	5.00	109	1st Adj	168.81	050	119.81			
WMXY	FM	YOUNGSTOWN	OH	N41:03:24	W080:38:43	255 : 98.9 MB	LIC 113		99.55	5.90	418	1st Adj	212.55	240	116.55			

Contour Analysis

Kevin Fitzgerald

Job: W256BS Olean Macduffy Tran Int2.fmj

Master Database: 2020_Nov_06.fmd

Lat: N42:01:29 Lon: W078:26:53 NAD-83

Scale: 1:500000

Channel: 256 Class: DX

Status: Licensed, Construction Permit, Application

Channels:

Range: 100 km, Clearance: -0.5km

Comments: No Comments

Description: W256BS, 99.1, Olean, NY; Macduffy Site; Translator Interference Analysis

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Date: 10/30/2021 5:36:26 PM

Key:

City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj

