

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 four other FM facilities. The attached maps demonstrate that there is no prohibited contour overlap between these four facilities and the instant proposed FM translator facilities. Three FM translators will also be shown to be fully spaced to this proposal. As demonstrated in these maps no prohibited overlap with these stations is predicted.

The seven facilities that have been included on the attached maps are: WRBT, 94.9, Harrisburg, PA (54 dBu contour to proposed 34 dBu interference contour); WZZO, 95.1, Bethlehem, PA (54 dBu contour to proposed 48 dBu interference contour); WTRW, 94.3, Carbondale, PA (60 dBu contour to proposed 100 dBu interference contour); WIYN, 94.7, Deposit, NY (60 dBu contour to proposed 54 dBu interference contour); W234CY, 94.7, Pittston, PA (60 dBu contour to proposed 54 dBu interference contour); and W235AA, 94.9, Wilkes-Barre, PA (60 dBu contour to proposed 40 dBu interference contour); W235AW, 94.9, Rock Hill, PA (60 dBu contour to proposed 40 dBu interference contour).

W235DC Dickson City 74.1204(d) Study 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 WTRW, Carbondale, PA. 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, Chief Engineer

Kevin Fitzgerald

Job: W235DC Dickson City Bald Tran Int2.fmj

Master Database: 2021_Feb_18.fmd

Lat: N41:25:36 Lon: W075:44:51 NAD-83

Channel: 235 Class: A

Status: Licensed, Construction Permit, Application, Temp Authority, Addition, Vacant/Reserved, Deleted

Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF

Range: 100 km

Comments: No Comments

Description: W235DC Dickson City, PA Bald, Spacing Study;. A contour study will be shown for WRBT, WZZO, WTRW, WIYN, W234CY, W235AA, and W235AW and will be shown to be fully spaced.

Page 1 of 2

Date: 2/18/2021 10:18:45 PM

rfInvestigator Version 3.8.16

by rfSoftware, Inc.

Callsign	ServCity	State	Latitude (NAD83)	Longitude (NAD83)	Channel	Class	Stat	73	207	Min	73	207	CIERP	HAAT	Adjacen	Distanc	Bear
WRBT	FM	HARRISBUR	PA	N40:18:58	W076:57:00	235 : 94.9 MB	LIC	178			-18.35	25.00	213		Co-Chan	159.65	219
WZZO	FM	BETHLEHEM	PA	N40:37:13	W075:17:36	236 : 95.1 MB	LIC	113			-15.64	30.00	192		1st Adj	97.36	157
WTRW	FM	CARBONDAL	PA	N41:32:37	W075:27:43	232 : 94.3 MA	LIC	31			-3.84	0.97	249		3rd Adj	27.16	061
WIYN	FM	DEPOSIT	NY	N42:01:44	W075:28:24	234 : 94.7 MA	LIC	72			-1.33	0.77	196		1st Adj	70.67	019
WVHO-LP	FM	NANTICOKE	PA	N41:12:17	W075:59:59	233 : 94.5 ML1	LIC	29			3.46	0.00	0		2nd Adj	32.46	221
W235DC	FM	DICKSON CIT	PA	N41:28:00	W075:41:12	234 : 94.7 MDX	LIC	0			6.75	0.00	223		1st Adj	6.75	049
W234CY	FM	PITTSBURGH	PA	N41:20:45	W075:47:04	234 : 94.7 MDX	LIC	0			9.49	0.20	0		1st Adj	9.49	199
WKLL	FM	FRANKFORT	NY	N43:08:40	W075:10:31	235 : 94.9 MB	LIC	178			18.56	34.00	173		Co-Chan	196.56	014
WDNH-F	FM	HONESDALE	PA	N41:34:45	W075:10:40	237 : 95.3 MA	LIC	31			19.48	1.65	139		2nd Adj	50.48	070
W235AA	FM	WILKES-BAR	PA	N41:11:11	W075:51:32	235 : 94.9 MDX	LIC	0			28.27	0.01	287		Co-Chan	28.27	199
W288BE	FM	WILKES-BAR	PA	N41:10:58	W075:52:09	288 : 105.5 DX	LIC	0			28.94	0.01	0		IF	28.94	201
W237DP	FM	MOUNTAIN T	PA	N41:10:58	W075:52:09	237 : 95.3 MDX	LIC	0			28.94	0.10	263		2nd Adj	28.94	201
WNSH	FM	NEWARK	NJ	N40:47:17	W074:15:18	234 : 94.7 MB	LIC	113			31.05	23.50	207		1st Adj	144.05	119
WTTC-FM	FM	TOWANDA	PA	N41:45:55	W076:29:09	237 : 95.3 MA	LIC	31			41.14	5.40	38		2nd Adj	72.14	301
WNSH	FM	NEWARK	NJ	N40:47:54	W074:05:21	234 : 94.7 MB	CP	113			42.78	40.00	166		1st Adj	155.78	117
W288DF	FM	MOUNT POC	PA	N41:02:39	W075:22:38	288 : 105.5 DX	LIC	0			52.61	0.03	0		IF	52.61	144
W234BH	FM	BERWICK	PA	N41:06:51	W076:14:16	234 : 94.7 MDX	LIC	0			53.79	0.22	0		1st Adj	53.79	230
WQBF	FM	TIOGA	PA	N42:03:43	W077:21:37	234 : 94.7 MB1	LIC	96			55.59	12.00	147		1st Adj	151.59	298
WQPJ-LP	FM	PORT JERVI	NY	N41:24:36	W074:38:09	232 : 94.3 ML1	LIC	29			63.94	0.00	0		3rd Adj	92.94	091
WMGH-F	FM	TAMAQUA	PA	N40:47:14	W076:01:58	288 : 105.5 A	LIC	10			64.95	1.40	148		IF	74.95	199
WBNW-F	FM	ENDICOTT	NY	N42:08:17	W075:59:58	289 : 105.7 B	LIC	15			66.74	35.00	174		IF	81.74	345
W232AM	FM	STROUDSBUR	PA	N40:59:55	W075:09:58	232 : 94.3 MDX	LIC	0			68.10	0.25	0		3rd Adj	68.10	134
WBLJ-FM	FM	SHAMOKIN	PA	N40:45:36	W076:32:18	237 : 95.3 MA	LIC	31			68.48	1.25	154		2nd Adj	99.48	222
W236AP	FM	BINGHAMTON	NY	N42:03:22	W075:56:38	236 : 95.1 MDX	LIC	0			71.79	0.10	0		1st Adj	71.79	347
WLTV	FM	ELMIRA	NY	N42:01:55	W076:47:01	232 : 94.3 MA	LIC	31			78.32	1.20	224		3rd Adj	109.32	308
W234BT	FM	ENDICOTT	NY	N42:06:55	W076:03:39	234 : 94.7 MDX	LIC	0			80.80	0.23	0		1st Adj	80.80	341
W238CM	FM	ENDICOTT, E	NY	N42:06:55	W076:03:39	238 : 95.5 MDX	LIC	0			80.80	0.10	0		3rd Adj	80.80	341
WRKI	FM	BROOKFIELD	CT	N41:29:36	W073:25:43	236 : 95.1 MB	LIC	113			80.87	29.50	194		1st Adj	193.87	088
WRSD	FM	FOLSOM	PA	N39:53:12	W075:20:00	235 : 94.9 MDM	LIC	92			82.55	0.01	6		Co-Chan	174.55	168
WBKT	FM	NORWICH	NY	N42:26:08	W075:30:46	237 : 95.3 MA	LIC	31			82.74	0.47	256		2nd Adj	113.74	010
WPST	FM	TRENTON	NJ	N40:11:22	W074:50:48	233 : 94.5 MB	LIC	69			88.03	50.00	150		2nd Adj	157.03	151
W288CF	FM	DANVILLE	PA	N40:57:02	W076:35:14	288 : 105.5 DX	LIC	0			88.09	0.25	0		IF	88.09	233
W233BC	FM	ASHLAND	PA	N40:46:24	W076:21:15	233 : 94.5 MDX	LIC	0			88.67	0.00	155		2nd Adj	88.67	215
W289AH	FM	BETHLEHEM	PA	N40:39:30	W075:25:11	289 : 105.7 DX	LIC	0			89.67	0.10	10		IF	89.67	162
W235AD	FM	POTTSVILLE	PA	N40:40:36	W076:11:49	235 : 94.9 MDX	LIC	0			91.46	0.12	91		Co-Chan	91.46	204
W233AH	FM	MONTICELLO	NY	N41:39:11	W074:40:59	233 : 94.5 MDX	LIC	0			92.30	0.01	80		2nd Adj	92.30	074
WBYL	FM	SALLADASB	PA	N41:14:00	W077:12:09	238 : 95.5 MA	LIC	31			92.69	3.90	73		3rd Adj	123.69	260
W234AQ	FM	MUNCY	PA	N41:10:37	W076:48:25	234 : 94.7 MDX	LIC	0			92.96	0.00	92		1st Adj	92.96	253
W234AX	FM	ALLENTOWN	PA	N40:35:55	W075:25:11	234 : 94.7 MDX	LIC	0			96.00	0.01	205		1st Adj	96.00	163
WPLJ	FM	NEW YORK	NY	N40:44:54	W073:59:09	238 : 95.5 MB	LIC	69			97.10	6.70	408		3rd Adj	166.10	117
WJVQ-LP	FM	POUGHKEEPS	NY	N41:50:27	W073:59:23	234 : 94.7 ML1	LIC	56			97.51	0.00	187		1st Adj	153.51	073
W235AW	FM	ROCK HILL	NY	N41:37:09	W074:34:41	235 : 94.9 MDX	LIC	0			99.92	0.02	99		Co-Chan	99.92	078

Contour Analysis

Kevin Fitzgerald

Job: W235DC Dickson City Bald Tran Int2.fmj

Master Database: 2021_Feb_18.fmd

Lat: N41:25:36 Lon: W075:44:51 NAD-83

Scale: 1:1200000

Channel: 235 Class: DX

Status: Licensed, Construction Permit, Application, Addition, Temp Authority, Vacant/Reserved, Deleted

Channels:

Range: 100 km, Clearance: -0.5km

Comments: No Comments

Description: W235DC Dickson City, PA Bald, Translator Interference Analysis

rfInvestigator Version 3.8.16

by rfSoftware, Inc.

Date: 2/18/2021 11:39:31 PM

Key:

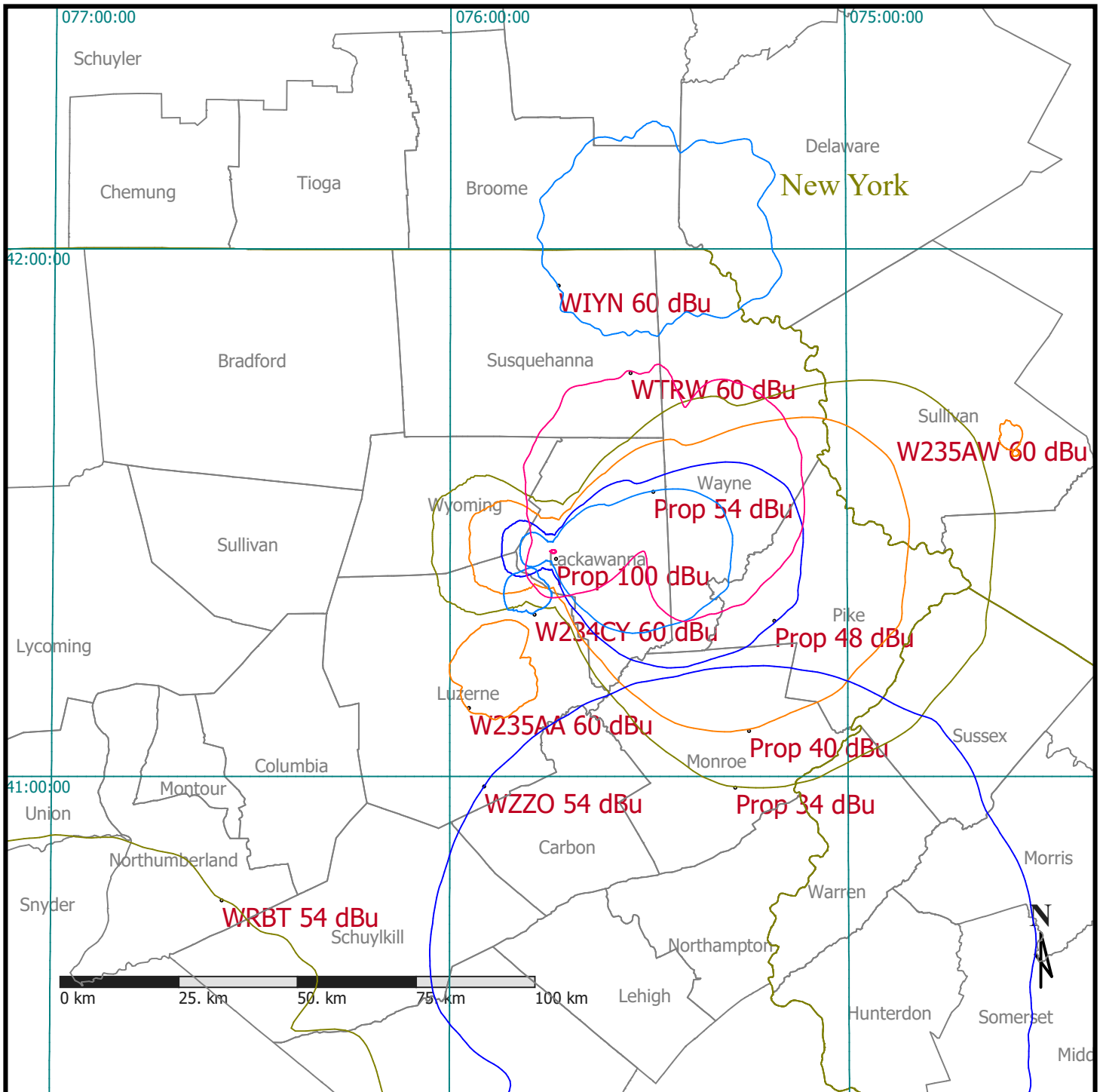
City Grade

Protected

60-Channel

1st Adj

2nd/3rd Adj



Contour Analysis

Kevin Fitzgerald

Job: W235DC Dickson City Bald Tran Int2 Blown Up.fmj

Master Database: 2021_Feb_18.fmd

Lat: N41:25:36 Lon: W075:44:51 NAD-83

Scale: 1:150000

Channel: 235 Class: DX

Status: Licensed, Construction Permit, Application, Addition, Temp Authority, Vacant/Reserved, Deleted

Channels:

Range: 100 km, Clearance: -0.5km

Comments: No Comments

Description: W235DC Dickson City, PA Bald, Translator Interference Analysis Blown Up to W234CY

rfInvestigator Version 3.8.16

by rfSoftware, Inc.

Date: 2/18/2021 11:46:23 PM

Key:

City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj

