

Kevin Fitzgerald
 Job: WBZRPAT2.fmj
 Master Database: 2004_Feb_27.fmd
 Lat: N41:30:45 Lon: W076:04:16 NAD-27
 Channel: 299 Class: A
 Status: Licensed, Construction Permit, Application, Addition, Vacant/Reserved
 Channels: Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF
 Range: 80 km
 Comments: No Comments
 Description: WBZR 107.7 490 watts directional @ 746m AMSL; Spacing Study

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 Date: 4/5/2004 2:15:11 AM
 rfInvestigator-FM Version 2.0.116
 by rfSoftware, Inc.

Call Sign	City	Stat	Channel	Cla	Stat	73	207	M	73	207	CI	ERP	HAAT	Adjacency	Distance	Bearing	Latitude (NAD27)	Longitude (NAD27)
* WBZR	TUNKHANNOC	PA	299	107.7	A	LIC	115		-113.64	0.23	354		Co-Chan	1.36	003	N41:31:29	W076:04:13	
WBBI	ENDWELL	NY	298	107.5	A	LIC	72		-2.27	1.10	166		1st Adj	69.73	005	N42:08:17	W075:59:59	
WKRF	TOBYHANNA	PA	300	107.9	A	LIC	72		6.05	0.84	267		1st Adj	78.05	132	N41:02:37	W075:22:38	
WRVH	WILLIAMSPOR	PA	300	107.9	A	LIC	72		9.18	0.38	393		1st Adj	81.18	246	N41:12:39	W076:57:17	
NEW	TUNKHANNOC	PA	297	107.3	DX	APP	0		13.40	0.00	0		2nd Adj	13.40	072	N41:32:59	W075:55:06	
NEW	TUNKHANNOC	PA	297	107.3	DX	APP	0		13.40	0.00	0		2nd Adj	13.40	072	N41:32:59	W075:55:06	
WBYN	BOYERTOWN	PA	298	107.5	B	LIC	113		15.03	30.00	186		1st Adj	128.03	164	N40:24:15	W075:39:09	
WGTY	GETTYSBURG	PA	299	107.7	B	LIC	178		20.32	16.00	259		Co-Chan	198.32	202	N39:51:23	W076:56:57	
STAT-V	LIBERTY	PA	298	107.5	A	VAC	72		22.80	0.00	0		1st Adj	94.80	269	N41:29:28	W077:12:22	
NEW	DUSHORE	PA	297	107.3	DX	APP	0		27.53	0.19	0		2nd Adj	27.53	273	N41:31:25	W076:24:02	
NEW	PLYMOUTH	PA	297	107.3	L1	CP	0		30.02	0.00	169		2nd Adj	30.02	166	N41:15:01	W075:59:03	
WBHT	MOUNTAIN TO	PA	248	97.1	A	LIC	10		30.26	0.50	336		IF	40.26	156	N41:10:57	W075:52:19	
NEW	WILKES-BARR	PA	300	107.9	DX	APP	0		33.75	0.10	0		1st Adj	33.75	151	N41:14:44	W075:52:42	
NEW	WILKES-BARR	PA	300	107.9	DX	APP	0		33.75	0.10	0		1st Adj	33.75	151	N41:14:44	W075:52:42	
WGNA-FALBANY	NY	299	107.7	B	LIC	178			34.25	12.50	300		Co-Chan	212.25	054	N42:38:13	W073:59:51	
W297AF SCRANTON	PA	297	107.3	DX	LIC	0			35.65	0.25	-70		2nd Adj	35.65	109	N41:24:34	W075:40:01	
WNSA	WETHERSFIEL	NY	299	107.7	B	LIC	178		43.08	19.50	244		Co-Chan	221.08	304	N42:37:23	W078:17:16	
NEW	JONESTOWN	PA	245	96.9	DX	APP	0		45.89	0.00	0		IF	45.89	201	N41:07:35	W076:15:59	
WWHT	SYRACUSE	NY	300	107.9	B	LIC	113		47.35	50.00	152		1st Adj	160.35	359	N42:57:21	W076:06:36	
NEW	HAZLETON	PA	297	107.3	DX	APP	0		61.09	0.01	0		2nd Adj	61.09	171	N40:58:09	W075:57:28	
NEW	HAZLETON	PA	297	107.3	DX	APP	0		61.09	0.02	0		2nd Adj	61.09	171	N40:58:09	W075:57:28	
WSNJ-F	BRIDGETON	NJ	299	107.7	B	LIC	178		61.61	15.00	148		Co-Chan	239.61	162	N39:27:32	W075:12:12	
NEW	ENDWELL	NY	296	107.1	DX	APP	0		63.87	0.02	0		3rd Adj	63.87	003	N42:05:12	W076:01:42	
NEW	ENDWELL	NY	296	107.1	DX	APP	0		63.87	0.02	0		3rd Adj	63.87	003	N42:05:12	W076:01:42	
NEW	ATHENS	PA	296	107.1	DX	APP	0		63.90	0.25	0		3rd Adj	63.90	324	N41:58:35	W076:31:32	
NEW	ATHENS	PA	296	107.1	DX	APP	0		63.90	0.25	0		3rd Adj	63.90	324	N41:58:35	W076:31:32	
WREQ	RIDGEBURY	PA	245	96.9	A	LIC	10		65.12	3.60	131		IF	75.12	308	N41:55:43	W076:46:58	
WEGH	NORTHUMBER	PA	297	107.3	A	LIC	31		65.27	0.90	257		2nd Adj	96.27	213	N40:47:10	W076:41:49	
WLIH	WHITNEYVILLE	PA	296	107.1	A	LIC	31		67.50	3.30	91		3rd Adj	98.50	287	N41:46:13	W077:12:08	
WWYY	BELVIDERE	NJ	296	107.1	A	CP	31		67.78	1.20	219		3rd Adj	98.78	129	N40:56:53	W075:09:38	
WWYY	BELVIDERE	NJ	296	107.1	A	LIC	31		67.78	1.20	219		3rd Adj	98.78	129	N40:56:53	W075:09:38	
NEW	WAVERLY	NY	300	107.9	DX	APP	0		69.11	0.02	0		1st Adj	69.11	324	N42:00:52	W076:33:44	
W299AF	CATAWISSA	PA	299	107.7	DX	LIC	0		70.21	0.00	280		Co-Chan	70.21	205	N40:56:22	W076:25:29	

* - The required spacing between WBZR and WBBI is 64 km. These two stations have been spaced as 3 kw at 100 m HAAT equivalent stations since their allotment prior to 1989. The correct spacing is based on the table in 47 CFR 73.213(c)(1). WBZR proposes operation with 240 watts at 347m HAAT (which is equivalent to 3 kw at 100 m HAAT) between 330 degrees true north and 40 degrees true north (a 70 degree arc). See narrative for a further explanation.