

**BIA Financial Network
Chantilly, VA**

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Friday, June 27, 2008

BIAfn/Dataworld FM Channel Study

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Job Title: Sample FM Spacing Study

Safety Zone: 30.0 km (18.6 mi)
Safety dB: 3.0
Channel(s): 221 A
Coordinates: N 39° 17' 26.0" W 76° 36' 45.0"
FM Translators excluded

**BIA Financial Network
Chantilly, VA**

BIAfn/Dataworld FM Spacing Study

Title: Sample FM Spacing Study

Latitude: N 39° 17' 26.0"

Channel: 221 A (92.1 MHz)

Longitude: W 76° 36' 45.0"

Database: DW 6/26/2008 5:17:57 PM

Safety Zone: 30.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req	
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
WBJC	Lic	Baltimore City Community College	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.00	
Baltimore		MD	BLED-19781115AH	91.5	289.0	50 V	W 76° 43' 52.0"	136.2	-54.2	SHORT
DA: ODD ODD781115AH @ 0.0°										
WBJC	CP	Baltimore City Community College	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.00	
Baltimore		MD	BPED-20070823ADT	91.5	289.0	50 V	W 76° 43' 52.0"	136.2	-54.2	SHORT
DA: ODD ODD781115AH @ 0.0°										
WIXQ	Lic	Millersville State College	*219 A	21.0	0.13 H	N 39° 59' 53.0"	15.5	81.59	31.00	
Millersville		PA	BLED-19810731AE	91.7	142.0	0.13 V	W 76° 21' 20.0"	195.7	50.59	CLEAR
NEW	App	Priority Radio, Inc.	*219 B	67.0	28 H	N 38° 38' 31.1"	146.2	86.55	69.00	
Oxford		MD	BNPED-20071012AJI	91.7	71.1	28 V	W 76° 03' 30.2"	326.6	17.55	CLEAR
DA: ODD FORM 340 @ 0.0°										
NEW	App	Hope Christian Church of Marlton	*219 B	57.0	50 H	N 38° 35' 57.0"	142.3	96.85	69.00	
Church Creek		MD	BNPED-20071022BFZ	91.7	62.0	50 V	W 75° 55' 52.0"	322.7	27.85	CLEAR
DA: ODD FORM 340 @ 0.0°										
NEW	App	Allegheny East Conference Corpor	*219 B	54.2	35 H	N 38° 29' 27.0"	155.0	97.94	69.00	
Cambridge		MD	BNPED-20071015AKD	91.7	54.2	35 V	W 76° 08' 09.0"	335.3	28.94	CLEAR
DA: ODD FORM 340 @ 0.0°										
WGTS	Lic	WGTS/Columbia Union College Broa	*220 B	186.0	23.5 H	N 38° 53' 30.0"	225.5	63.09	113.0	
Takoma Park		MD	BMLED-20070501AAA	91.9	252.0	23.5 V	W 77° 07' 55.0"	45.1	-49.9	SHORT
NEW	App	Priority Radio, Inc.	*220 A	97.2	0 H	N 39° 26' 37.0"	77.2	78.49	72.00	
Middletown		DE	BNPED-20071016AFN	91.9	0.0	0.28 V	W 75° 43' 24.0"	257.7	6.489	CLOSE
DA: ODD FORM 340 @ 0.0°										
NEW	App	Pensacola Christian College, Inc	*220 A	59.0		N 39° 31' 48.0"	71.3	84.39	72.00	
Delaware City		DE	BPED-20000301AAH	91.9	69.0	0.6 V	W 75° 40' 57.0"	251.9	12.39	CLOSE
WPPT	Lic	M. Belmont Verstandig, Inc.	221 A	90.0	4 H	N 39° 48' 34.0"	299.8	117.7	115.0	
Mercersburg		PA	BLH-19960412KB	92.1	290.0	4 V	W 77° 48' 22.0"	119.0	2.663	CLOSE
WSRT changed to WPPT 3/1/2005 per # 486-3/24/2005;										
WWKL	Lic	Cumulus Licensing LLC	221 A	183.0	1.5 H	N 40° 23' 28.0"	355.5	122.6	115.0	
Palmyra		PA	BLH-20061030ANC	92.1	386.0	1.5 V	W 76° 43' 31.0"	175.5	7.575	CLOSE
WVLT	Lic	Clear Communications, Inc.	221 A	100.0	6 H	N 39° 29' 53.0"	79.6	134.4	115.0	
Vineland		NJ	BLH-20021028AAY	92.1	127.0	6 V	W 75° 04' 31.0"	260.6	19.41	CLEAR
WERQ-FM	Lic	Radio One Licenses, LLC	222 B	173.7	37 H	N 39° 20' 20.0"	318.8	7.145	113.0	
Baltimore		MD	BLH-19891228KA	92.3	270.1	37 V	W 76° 40' 02.0"	138.8	-106	SHORT
DA: ODD ODD891228KA @ 0.0°										

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Latitude: N 39° 17' 26.0"

Channel: 221 A (92.1 MHz)

Longitude: W 76° 36' 45.0"

Database: DW 6/26/2008 5:17:57 PM

Safety Zone: 30.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req	
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
WINC-FM	Lic	Mid-Atlantic Network, Inc.	223 B	436.0	21.5 H	N 38° 57' 21.0"	253.5	127.7	69.00	
Winchester		VA	BMLH-20070518AAO	92.5	706.0	21.5 V	W 78° 01' 30.0"	72.6	58.68	CLEAR
WWXT	Lic	Red Zebra Broadcasting Licensee,	224 A	145.0	2.85 H	N 38° 40' 26.0"	178.7	68.48	31.00	
Prince Frederick		MD	BMLH-20050228AAV	92.7	164.0	2.85 V	W 76° 35' 40.0"	358.7	37.48	CLEAR
WBZS-FM changed to WWXT 7/18/2006 per 500-7/25/2006; License modification granted 5/25/2005 per 45995-5/31/2005;										
WQSR	Lic	CBS Radio Inc. of Baltimore	274 B	133.2	50 H	N 39° 23' 11.0"	316.3	14.76	15.00	
Baltimore		MD	BLH-19890117KE	102.7	270.7	50 V	W 76° 43' 52.0"	136.2	-0.24	SHORT
WXYV changed to WQSR 9/14/01 per #415 (9/26/01);										
WKIK-FM	LIC	Somar Communications, Inc.	275 A	120.1	4 H	N 38° 22' 03.0"	180.1	102.5	10.00	
California		MD	BLH-19941212KC	102.9	139.9	4 V	W 76° 36' 55.0"	0.1	92.47	CLEAR

>> End of channel 221 A study <<

BIAfn/Dataworld FM Spacing Study

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Latitude: N 39° 17' 26.0"

Channel: 221 A (92.1 MHz)

Longitude: W 76° 36' 45.0"

Database: FCC 6/27/2008 12:00:00 AM

Safety Zone: 30.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req	
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
WBJC	CP	BALTIMORE CITY COMMUNITY COLLEGE	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.00	
BALTIMORE		MD	BPED-20070823ADT	91.5	289.2	50 V	W 76° 43' 52.0"	136.2	-54.2	SHORT
DA: ODD ODD781115AH @ 0.0°										
WBJC	LIC	BALTIMORE CITY COMMUNITY COLLEGE	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.00	
BALTIMORE		MD	BLED-19781115AH	91.5	289.0	50 V	W 76° 43' 52.0"	136.2	-54.2	SHORT
Grandfathered at 50KW @ 152M HAA; DA: ODD ODD781115AH @ 0.0°										
WIXQ	LIC	MILLERSVILLE UNIVERSITY	*219 A	21.0	0.13 H	N 39° 59' 53.0"	15.5	81.59	31.00	
MILLERSVILLE		PA	BLED-19810731AE	91.7	142.0	0.13 V	W 76° 21' 20.0"	195.7	50.59	CLEAR
NEW	APP	PRIORITY RADIO, INC.	*219 B	67.0	28 H	N 38° 38' 31.1"	146.2	86.55	69.00	
OXFORD		MD	BNPED-20071012AJI	91.7	71.1	28 V	W 76° 03' 30.2"	326.6	17.55	CLEAR
DA: ODD FORM 340 @ 0.0°										
NEW	APP	HOPE CHRISTIAN CHURCH OF MARLTON	*219 B	57.0	50 H	N 38° 35' 57.0"	142.3	96.85	69.00	
CHURCH CREEK		MD	BNPED-20071022BFZ	91.7	62.0	50 V	W 75° 55' 52.0"	322.7	27.85	CLEAR
DA: ODD FORM 340 @ 0.0°										
NEW	APP	ALLEGHENY EAST CONFERENCE CORPOR	*219 B	54.2	35 H	N 38° 29' 27.0"	155.0	97.94	69.00	
CAMBRIDGE		MD	BNPED-20071015AKD	91.7	54.2	35 V	W 76° 08' 09.0"	335.3	28.94	CLEAR
DA: ODD FORM 340 @ 0.0°										
WGTS	APP	WGTS/COLUMBIA UNION COLLEGE BROA	*220 B	50.0	27 H	N 38° 59' 12.0"	224.9	47.61	113.0	
TAKOMA PARK		MD	BSTA-20070727ABS	91.9	117.0		W 77° 00' 04.0"	44.6	-65.4	SHORT
WGTS	APP	WGTS/COLUMBIA UNION COLLEGE BROA	*220 B	50.0	27 H	N 38° 59' 12.0"	224.9	47.61	113.0	
TAKOMA PARK		MD	BSTA-20060301ADH	91.9	117.0		W 77° 00' 04.0"	44.6	-65.4	SHORT
WGTS	LIC	WGTS/COLUMBIA UNION COLLEGE BROA	*220 B	186.0	23.5 H	N 38° 53' 30.0"	225.5	63.09	113.0	
TAKOMA PARK		MD	BMLD-20070501AAA	91.9	252.0	23.5 V	W 77° 07' 55.0"	45.1	-49.9	SHORT
NEW	APP	PRIORITY RADIO, INC.	*220 A	97.2	0 H	N 39° 26' 37.0"	77.2	78.49	72.00	
MIDDLETOWN		DE	BNPED-20071016AFN	91.9	0.0	0.28 V	W 75° 43' 24.0"	257.7	6.489	CLOSE
DA: ODD FORM 340 @ 0.0°										
WWKL	USE	CUMULUS LICENSING LLC	221 A			N 40° 19' 35.0"	0.1	115.0	115.0	
PALMYRA		PA	92.1			W 76° 36' 33.0"	180.1	0.008	CLOSE	
Coordinates updated from LIC record BLH870722K										
WPPT	LIC	M. BELMONT VERSTANDIG, INC.	221 A	90.0	4 H	N 39° 48' 34.0"	299.8	117.7	115.0	
MERCERSBURG		PA	BLH-19960412KB	92.1	290.0	4 V	W 77° 48' 22.0"	119.0	2.663	CLOSE
WPPT	USE	M. BELMONT VERSTANDIG, INC.	221 A			N 39° 48' 34.0"	299.8	117.7	115.0	
MERCERSBURG		PA	92.1			W 77° 48' 22.0"	119.0	2.663	CLOSE	
Coordinates updated from LIC record BLH700										

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Longitude: W 76° 36' 45.0"

Database: FCC 6/27/2008 12:00:00 AM

Safety Zone: 30.0 km

Call City of License	Auth	Licensee name St	FCC File Number	Chan Freq	HAAT(m) HAMS(L)m	ERP (kW)	Latitude Longitude	Br-to -from	Dist (km)	Req (km)
WWKL PALMYRA	LIC	CUMULUS LICENSING LLC PA	BLH-20061030ANC	221 A 92.1	183.2 386.4	1.5 H 1.5 V	N 40° 23' 28.0" W 76° 43' 31.0"	355.5 175.5	122.6 7.575	115.0 CLOSE
WVLT VINELAND	USE	CLEAR COMMUNICATIONS, INC. NJ		221 A 92.1			N 39° 29' 53.0" W 75° 04' 31.0"	79.6 260.6	134.4 19.41	115.0 CLEAR
Coordinates updated from LIC record BMLH861009K										
WVLT VINELAND	LIC	CLEAR COMMUNICATIONS, INC. NJ	BLH-20021028AAY	221 A 92.1	100.0 127.0	6 H 6 V	N 39° 29' 53.0" W 75° 04' 31.0"	79.6 260.6	134.4 19.41	115.0 CLEAR
WERQ-FM BALTIMORE	USE	RADIO ONE LICENSES, LLC MD		222 B 92.3			N 39° 20' 20.0" W 76° 40' 02.0"	318.8 138.8	7.146 -106	113.0 SHORT
Coordinates updated from LIC record BLH891228K										
WERQ-FM BALTIMORE	LIC	RADIO ONE LICENSES, LLC MD	BLH-19891228KA	222 B 92.3	174.0 270.0	37 H 37 V	N 39° 20' 20.0" W 76° 40' 02.0"	318.8 138.8	7.146 -106	113.0 SHORT
DA: ODD ODD891228KA @ 0.0°										
WINC-FM WINCHESTER	LIC	MID ATLANTIC NETWORK, INC. VA	BLH-19910930KD	223 B 92.5	434.0 706.0	22 H 22 V	N 38° 57' 21.0" W 78° 01' 28.0"	253.5 72.6	127.6 58.63	69.00 CLEAR
WWXT PRINCE FREDERICK	LIC	RED ZEBRA BROADCASTING LICENSEE, MD	BMLH-20050228AAV	224 A 92.7	145.0 164.0	2.85 H 2.85 V	N 38° 40' 26.0" W 76° 35' 41.0"	178.7 358.7	68.48 37.48	31.00 CLEAR
WQSR BALTIMORE	USE	CBS RADIO INC. OF CHESAPEAKE MD		274 B 102.7			N 39° 23' 11.0" W 76° 43' 52.0"	316.3 136.2	14.76 -0.24	15.00 SHORT
Coordinates updated from LIC record BLH890117K										
WQSR BALTIMORE	LIC	CBS RADIO INC. OF CHESAPEAKE MD	BLH-19890117KE	274 B 102.7	133.0 271.0	50 H 50 V	N 39° 23' 11.0" W 76° 43' 52.0"	316.3 136.2	14.76 -0.24	15.00 SHORT
WKIK-FM CALIFORNIA	LIC	SOMAR COMMUNICATIONS, INC. MD	BLH-19941212KC	275 A 102.9	120.0 140.0	4 H 4 V	N 38° 22' 03.0" W 76° 36' 55.0"	180.1 0.1	102.5 92.47	10.00 CLEAR

>> End of channel 221 A study <<