

**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 Interference 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"
Effective radiated power: 6 kW
Antenna 100 m (328.0 ft) above average terrain
FM Translators excluded

BIAfn/Dataworld FM Interference Study

Title: Sample FM Interference Study

Channel: 221 A (92.1 MHz) Latitude: N 39° 17' 26.0"
 ERP: 6 kW HAAT: 100.0 m 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)	
WBJC	Lic	Baltimore City Community College	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.41	
Baltimore		MD	BLED-19781115AH	91.5	289.0	50 V	W 76° 43' 52.0"	136.2	-54.7	SHORT
DA: ODD ODD781115AH @ 0.0°										
Proposed Channel 221 A 94 dBuV/m F(50,10) Interfering contour = 4.1 km					WBJC Channel 218 B 54 dBuV/m F(50,50) Service contour = 65.3 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WBJC Channel 218 B 100 dBuV/m F(50,10) Interfering contour = 6.0 km					
WBJC	CP	Baltimore City Community College	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.41	
Baltimore		MD	BPED-20070823ADT	91.5	289.0	50 V	W 76° 43' 52.0"	136.2	-54.7	SHORT
DA: ODD ODD781115AH @ 0.0°										
Proposed Channel 221 A 94 dBuV/m F(50,10) Interfering contour = 4.1 km					WBJC Channel 218 B 54 dBuV/m F(50,50) Service contour = 65.3 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WBJC Channel 218 B 100 dBuV/m F(50,10) Interfering contour = 6.0 km					
WIXQ	Lic	Millersville State College	*219 A	21.0	0.13 H	N 39° 59' 53.0"	15.5	81.59	28.92	
Millersville		PA	BLED-19810731AE	91.7	142.0	0.13 V	W 76° 21' 20.0"	195.7	52.67	CLEAR
Proposed Channel 221 A 100 dBuV/m F(50,10) Interfering contour = 2.8 km					WIXQ Channel 219 A 60 dBuV/m F(50,50) Service contour = 6.1 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WIXQ Channel 219 A 100 dBuV/m F(50,10) Interfering contour = 0.6 km					
WGTS	Lic	WGTS/Columbia Union College Broa	*220 B	186.0	23.5 H	N 38° 53' 30.0"	225.5	63.09	121.5	
Takoma Park		MD	BMLED-20070501AAA	91.9	252.0	23.5 V	W 77° 07' 55.0"	45.1	-58.4	SHORT
Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km					WGTS Channel 220 B 54 dBuV/m F(50,50) Service contour = 61.9 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WGTS Channel 220 B 54 dBuV/m F(50,10) Interfering contour = 72.9 km					
NEW	App	Priority Radio, Inc.	*220 A	97.2	0 H	N 39° 26' 37.0"	77.2	78.49	56.79	
Middletown		DE	BNPED-20071016AFN	91.9	0.0	0.28 V	W 75° 43' 24.0"	257.7	21.70	CLEAR
DA: ODD FORM 340 @ 0.0°										
Proposed Channel 221 A 54 dBuV/m F(50,10) Interfering contour = 43.7 km					NEW Channel 220 A 60 dBuV/m F(50,50) Service contour = 13.1 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					NEW Channel 220 A 54 dBuV/m F(50,10) Interfering contour = 19.5 km					
NEW	App	Pensacola Christian College, Inc	*220 A	59.0		N 39° 31' 48.0"	71.3	84.39	56.20	
Delaware City		DE	BPED-20000301AAH	91.9	69.0	0.6 V	W 75° 40' 57.0"	251.9	28.19	CLEAR
Proposed Channel 221 A 54 dBuV/m F(50,10) Interfering contour = 43.7 km					NEW Channel 220 A 60 dBuV/m F(50,50) Service contour = 12.5 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					NEW Channel 220 A 54 dBuV/m F(50,10) Interfering contour = 18.3 km					
WPPT	Lic	M. Belmont Verstandig, Inc.	221 A	90.0	4 H	N 39° 48' 34.0"	299.8	117.7	111.3	
Mercersburg		PA	BLH-19960412KB	92.1	290.0	4 V	W 77° 48' 22.0"	119.0	6.412	CLOSE
WSRT changed to WPPT 3/1/2005 per # 486-3/24/2005;										
Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km					WPPT Channel 221 A 60 dBuV/m F(50,50) Service contour = 24.6 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WPPT Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 78.5 km					
WWKL	Lic	Cumulus Licensing LLC	221 A	183.0	1.5 H	N 40° 23' 28.0"	355.5	122.6	113.7	
Palmyra		PA	BLH-20061030ANC	92.1	386.0	1.5 V	W 76° 43' 31.0"	175.5	8.869	CLOSE
Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km					WWKL Channel 221 A 60 dBuV/m F(50,50) Service contour = 27.0 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WWKL Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 78.8 km					
WVL T	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	19.44	CLEAR
Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km					WVL T Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					
Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km					WVL T Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km					

BIAfn/Dataworld FM Interference Study

Title: Sample FM Interference Study

Channel: 221 A (92.1 MHz) Latitude: N 39° 17' 26.0"
 ERP: 6 kW HAAT: 100.0 m 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)
WERQ-FM	Lic	Radio One Licenses, LLC	222 B	173.7	37 H	N 39° 20' 20.0"	318.8	7.145	124.6	
Baltimore		MD	BLH-19891228KA	92.3	270.1	37 V	W 76° 40' 02.0"	138.8	-117	SHORT

DA: ODD ODD891228KA @ 0.0°

Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km

Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km

WERQ-FM Channel 222 B 54 dBuV/m F(50,50) Service contour = 65.0 km

WERQ-FM Channel 222 B 54 dBuV/m F(50,10) Interfering contour = 77.3 km

WINC-FM	Lic	Mid-Atlantic Network, Inc.	223 B	436.0	21.5 H	N 38° 57' 21.0"	253.5	127.7	84.91	
Winchester		VA	BMLH-20070518AAO	92.5	706.0	21.5 V	W 78° 01' 30.0"	72.6	42.76	CLEAR

Proposed Channel 221 A 94 dBuV/m F(50,10) Interfering contour = 4.1 km

Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km

WINC-FM Channel 223 B 54 dBuV/m F(50,50) Service contour = 80.8 km

WINC-FM Channel 223 B 100 dBuV/m F(50,10) Interfering contour = 7.4 km

WWXT	Lic	Red Zebra Broadcasting Licensee,	224 A	145.0	2.85 H	N 38° 40' 26.0"	178.7	68.48	30.95	
Prince Frederick		MD	BMLH-20050228AAV	92.7	164.0	2.85 V	W 76° 35' 40.0"	358.7	37.52	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;

Proposed Channel 221 A 100 dBuV/m F(50,10) Interfering contour = 2.8 km

Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km

WWXT Channel 224 A 60 dBuV/m F(50,50) Service contour = 28.1 km

WWXT Channel 224 A 100 dBuV/m F(50,10) Interfering contour = 2.6 km

WQSR	Lic	CBS Radio Inc. of Baltimore	274 B	133.2	50 H	N 39° 23' 11.0"	316.3	14.76	14.28	
Baltimore		MD	BLH-19890117KE	102.7	270.7	50 V	W 76° 43' 52.0"	136.2	0.478	CLOSE

WXYV changed to WQSR 9/14/01 per #415 (9/26/01);

Proposed Channel 221 A 91 dBuV/m F(50,10) Interfering contour = 4.8 km

WQSR Channel 274 B 91 dBuV/m F(50,50) Service contour = 9.4 km

WKIK-FM	LIC	Somar Communications, Inc.	275 A	120.1	4 H	N 38° 22' 03.0"	180.1	102.5	9.583	
California		MD	BLH-19941212KC	102.9	139.9	4 V	W 76° 36' 55.0"	0.1	92.88	CLEAR

Proposed Channel 221 A 91 dBuV/m F(50,10) Interfering contour = 4.8 km

WKIK-FM Channel 275 A 91 dBuV/m F(50,50) Service contour = 4.8 km

>> End of channel 221 A study <<

BIAfn/Dataworld FM Interference Study

Title: Sample FM Interference Study

Channel: 221 A (92.1 MHz) Latitude: N 39° 17' 26.0"
 ERP: 6 kW HAAT: 100.0 m 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)	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	69.41
BALTIMORE		MD	BPED-20070823ADT	91.5	289.2	50 V	W 76° 43' 52.0"	136.2	-54.7 SHORT

DA: ODD ODD781115AH @ 0.0°
 Proposed Channel 221 A 94 dBuV/m F(50,10) Interfering contour = 4.1 km WBJC Channel 218 B 54 dBuV/m F(50,50) Service contour = 65.3 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WBJC Channel 218 B 100 dBuV/m F(50,10) Interfering contour = 6.0 km

WBJC	LIC	BALTIMORE CITY COMMUNITY COLLEGE	*218 B	152.0	50 H	N 39° 23' 11.0"	316.3	14.76	69.41
BALTIMORE		MD	BLED-19781115AH	91.5	289.0	50 V	W 76° 43' 52.0"	136.2	-54.7 SHORT

Grandfathered at 50KW @ 152M HAA; DA: ODD ODD781115AH @ 0.0°
 Proposed Channel 221 A 94 dBuV/m F(50,10) Interfering contour = 4.1 km WBJC Channel 218 B 54 dBuV/m F(50,50) Service contour = 65.3 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WBJC Channel 218 B 100 dBuV/m F(50,10) Interfering contour = 6.0 km

WIXQ	LIC	MILLERSVILLE UNIVERSITY	*219 A	21.0	0.13 H	N 39° 59' 53.0"	15.5	81.59	28.92
MILLERSVILLE		PA	BLED-19810731AE	91.7	142.0	0.13 V	W 76° 21' 20.0"	195.7	52.67 CLEAR

Proposed Channel 221 A 100 dBuV/m F(50,10) Interfering contour = 2.8 km WIXQ Channel 219 A 60 dBuV/m F(50,50) Service contour = 6.1 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WIXQ Channel 219 A 100 dBuV/m F(50,10) Interfering contour = 0.6 km

WGTS	APP	WGTS/COLUMBIA UNION COLLEGE BROA	*220 B	50.0	27 H	N 38° 59' 12.0"	224.9	47.61	99.19
TAKOMA PARK		MD	BSTA-20070727ABS	91.9	117.0	W 77° 00' 04.0"	44.6	-51.6	SHORT

Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km WGTS Channel 220 B 54 dBuV/m F(50,50) Service contour = 39.6 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WGTS Channel 220 B 54 dBuV/m F(50,10) Interfering contour = 47.9 km

WGTS	APP	WGTS/COLUMBIA UNION COLLEGE BROA	*220 B	50.0	27 H	N 38° 59' 12.0"	224.9	47.61	99.19
TAKOMA PARK		MD	BSTA-20060301ADH	91.9	117.0	W 77° 00' 04.0"	44.6	-51.6	SHORT

Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km WGTS Channel 220 B 54 dBuV/m F(50,50) Service contour = 39.6 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WGTS Channel 220 B 54 dBuV/m F(50,10) Interfering contour = 47.9 km

WGTS	LIC	WGTS/COLUMBIA UNION COLLEGE BROA	*220 B	186.0	23.5 H	N 38° 53' 30.0"	225.5	63.09	121.5
TAKOMA PARK		MD	BLED-20070501AAA	91.9	252.0	23.5 V	W 77° 07' 55.0"	45.1	-58.4 SHORT

Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km WGTS Channel 220 B 54 dBuV/m F(50,50) Service contour = 61.9 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WGTS Channel 220 B 54 dBuV/m F(50,10) Interfering contour = 72.9 km

NEW	APP	PRIORITY RADIO, INC.	*220 A	97.2	0 H	N 39° 26' 37.0"	77.2	78.49	56.79
MIDDLETOWN		DE	BNPED-20071016AFN	91.9	0.0	0.28 V	W 75° 43' 24.0"	257.7	21.70 CLEAR

DA: ODD FORM 340 @ 0.0°
 Proposed Channel 221 A 54 dBuV/m F(50,10) Interfering contour = 43.7 km NEW Channel 220 A 60 dBuV/m F(50,50) Service contour = 13.1 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km NEW Channel 220 A 54 dBuV/m F(50,10) Interfering contour = 19.5 km

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	0.036	CLOSE

Coordinates updated from LIC record BLH870722K; Assumed ERP: 6 kW; HAAT: 100 m
 Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km WWKL Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WWKL Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km

WPPT	LIC	M. BELMONT VERSTANDIG, INC.	221 A	90.0	4 H	N 39° 48' 34.0"	299.8	117.7	111.3
MERCERSBURG		PA	BLH-19960412KB	92.1	290.0	4 V	W 77° 48' 22.0"	119.0	6.412 CLOSE

Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km WPPT Channel 221 A 60 dBuV/m F(50,50) Service contour = 24.6 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WPPT Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 78.5 km

BIAfn/Dataworld FM Interference Study

Title: Sample FM Interference Study

Channel: 221 A (92.1 MHz) Latitude: N 39° 17' 26.0"
 ERP: 6 kW HAAT: 100.0 m 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)	Longitude	-from	(km)	(km)
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	2.691	CLOSE

Coordinates updated from LIC record BLH700; **Assumed ERP: 6 kW; HAAT: 100 m**
 Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km WPPT Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km
 Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km WPPT Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km

WWKL	LIC	CUMULUS LICENSING LLC	221 A	183.2	1.5 H	N 40° 23' 28.0"	355.5	122.6	113.7	
PALMYRA		PA	BLH-20061030ANC	92.1	386.4	1.5 V	W 76° 43' 31.0"	175.5	8.857	CLOSE
			Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km			WWKL Channel 221 A 60 dBuV/m F(50,50) Service contour = 27.1 km				
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km			WWKL Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 78.8 km				

WVLT	USE	CLEAR COMMUNICATIONS, INC.	221 A			N 39° 29' 53.0"	79.6	134.4	115.0
VINELAND		NJ		92.1		W 75° 04' 31.0"	260.6	19.44	CLEAR
			Coordinates updated from LIC record BMLH861009K; Assumed ERP: 6 kW; HAAT: 100 m			WVLT Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km			
			Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km			WVLT Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km			
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km						

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	19.44	CLEAR
			Proposed Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km			WVLT Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km				
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km			WVLT Channel 221 A 40 dBuV/m F(50,10) Interfering contour = 86.7 km				

WERQ-FM	USE	RADIO ONE LICENSES, LLC	222 B			N 39° 20' 20.0"	318.8	7.146	124.7
BALTIMORE		MD		92.3		W 76° 40' 02.0"	138.8	-118	SHORT
			Coordinates updated from LIC record BLH891228K; Assumed ERP: 50 kW; HAAT: 150 m			WERQ-FM Channel 222 B 54 dBuV/m F(50,50) Service contour = 65.1 km			
			Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km			WERQ-FM Channel 222 B 54 dBuV/m F(50,10) Interfering contour = 78.1 km			
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km						

WERQ-FM	LIC	RADIO ONE LICENSES, LLC	222 B	174.0	37 H	N 39° 20' 20.0"	318.8	7.146	124.6	
BALTIMORE		MD	BLH-19891228KA	92.3	270.0	37 V	W 76° 40' 02.0"	138.8	-117	SHORT
			DA: ODD ODD891228KA @ 0.0°			WERQ-FM Channel 222 B 54 dBuV/m F(50,50) Service contour = 65.0 km				
			Proposed Channel 221 A 48 dBuV/m F(50,10) Interfering contour = 59.6 km			WERQ-FM Channel 222 B 54 dBuV/m F(50,10) Interfering contour = 77.4 km				
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km							

WINC-FM	LIC	MID ATLANTIC NETWORK, INC.	223 B	434.0	22 H	N 38° 57' 21.0"	253.5	127.6	85.00	
WINCHESTER		VA	BLH-19910930KD	92.5	706.0	22 V	W 78° 01' 28.0"	72.6	42.63	CLEAR
			Proposed Channel 221 A 94 dBuV/m F(50,10) Interfering contour = 4.1 km			WINC-FM Channel 223 B 54 dBuV/m F(50,50) Service contour = 80.9 km				
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km			WINC-FM Channel 223 B 100 dBuV/m F(50,10) Interfering contour = 7.4 km				

WWXT	LIC	RED ZEBRA BROADCASTING LICENSEE,	224 A	145.0	2.85 H	N 38° 40' 26.0"	178.7	68.48	30.95	
PRINCE FREDERICK		MD	BMLH-20050228AAV	92.7	164.0	2.85 V	W 76° 35' 41.0"	358.7	37.52	CLEAR
			Proposed Channel 221 A 100 dBuV/m F(50,10) Interfering contour = 2.8 km			WWXT Channel 224 A 60 dBuV/m F(50,50) Service contour = 28.1 km				
			Proposed Channel 221 A 60 dBuV/m F(50,50) Service contour = 28.3 km			WWXT Channel 224 A 100 dBuV/m F(50,10) Interfering contour = 2.6 km				

WQSR	USE	CBS RADIO INC. OF CHESAPEAKE	274 B			N 39° 23' 11.0"	316.3	14.76	14.90
BALTIMORE		MD		102.7		W 76° 43' 52.0"	136.2	-0.14	SHORT
			Coordinates updated from LIC record BLH890117K; Assumed ERP: 50 kW; HAAT: 150 m			WQSR Channel 274 B 91 dBuV/m F(50,50) Service contour = 10.1 km			
			Proposed Channel 221 A 91 dBuV/m F(50,10) Interfering contour = 4.8 km						

BIAfn/Dataworld FM Interference Study

Title: Sample FM Interference Study

Channel: 221 A (92.1 MHz) Latitude: N 39° 17' 26.0"
 ERP: 6 kW HAAT: 100.0 m 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)	
WQSR	LIC	CBS RADIO INC. OF CHESAPEAKE	274 B	133.0	50 H	N 39° 23' 11.0"	316.3	14.76	14.27	
BALTIMORE		MD	BLH-19890117KE	102.7	271.0	50 V	W 76° 43' 52.0"	136.2	0.485	CLOSE
Proposed Channel 221 A 91 dBuV/m F(50,10) Interfering contour = 4.8 km					WQSR Channel 274 B 91 dBuV/m F(50,50) Service contour = 9.4 km					
WKIK-FM	LIC	SOMAR COMMUNICATIONS, INC.	275 A	120.0	4 H	N 38° 22' 03.0"	180.1	102.5	9.581	
CALIFORNIA		MD	BLH-19941212KC	102.9	140.0	4 V	W 76° 36' 55.0"	0.1	92.89	CLEAR
Proposed Channel 221 A 91 dBuV/m F(50,10) Interfering contour = 4.8 km					WKIK-FM Channel 275 A 91 dBuV/m F(50,50) Service contour = 4.8 km					

>> End of channel 221 A study <<