

EXHIBIT 12A

McClanathan & Associates, Inc.

Portland, Or

PAGE 1

Wednesday, February 12, 2003

Dataworld FM Interference Study

Title: K220IN

Channel: 220 FT (91.9 MHz) ERP: 0.03 kW HAAT: 425.0 m
 Database: FCC 2/7/2003 2:25:30 AM

Latitude: N 45° 31' 21.0"
 Longitude: W 122° 44' 45.0"
 Safety Zone: 50.0 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)
KOIN	LIC	EMMIS TELEVISION LICENSE CORPORA	6 II	533.0	100	N 45° 30' 58.0"	125.5	1.225	123.2
PORTLAND		OR	BLCT-2115	82	611.0	W 122° 43' 59.0"	305.5	-122	SHORT
Proposed Channel 220 FT 137 dBuV/m F(50,10) Interfering contour = 0.0 km					KOIN Channel 6 2 47 dBuV/m F(50,50) Service contour = 123.2 km				
KOIN	LIC	EMMIS TELEVISION LICENSE CORPORA	6 II	338.0	5.89	N 45° 30' 58.0"	123.8	1.279	76.85
PORTLAND		OR	BMLCT-19971126LF	82	407.0	W 122° 43' 56.0"	303.8	-75.6	SHORT
Proposed Channel 220 FT 137 dBuV/m F(50,10) Interfering contour = 0.0 km					KOIN Channel 6 2 47 dBuV/m F(50,50) Service contour = 76.8 km				
K217EI	CP	LIFETALK RADIO, INC.	217 D	180.0	0.004 H	N 44° 41' 00.0"	181.7	93.30	15.85
SCIO		OR	BMPFT-20000403AAF	91.3	385.0	0.004 V W 122° 46' 54.0"	1.7	77.46	CLEAR
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km					K217EI Channel 217 D 60 dBuV/m F(50,50) Service contour = 6.2 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					K217EI Channel 217 D 100 dBuV/m F(50,10) Interfering contour = 0.1 km				
KOPB-FM	CP	OREGON PUBLIC BROADCASTING	218 C0	470.0	70 H	N 45° 31' 21.0"	0.0	0.000	81.65
PORTLAND		OR	BMPED-20021115AAC	91.5	561.0	70 V W 122° 44' 45.0"	0.0	-81.6	SHORT
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km					KOPB-FM Channel 218 C0 60 dBuV/m F(50,50) Service contour = 81.3 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					KOPB-FM Channel 218 C0 100 dBuV/m F(50,10) Interfering contour = 11.2 km				
KOPB-FM	LIC	OREGON PUBLIC BROADCASTING	218 C	475.0	70 H	N 45° 31' 22.0"	273.7	0.478	81.99
PORTLAND		OR	BLED-19840430DH	91.5	544.0	21 V W 122° 45' 07.0"	93.7	-81.5	SHORT
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km					KOPB-FM Channel 218 C 60 dBuV/m F(50,50) Service contour = 81.6 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					KOPB-FM Channel 218 C 100 dBuV/m F(50,10) Interfering contour = 11.2 km				
K219FJ	LIC	OREGON PUBLIC BROADCASTING	219 D		0.205 H	N 44° 53' 08.0"	235.0	122.2	30.65
GLENNEDEN BEACH		OR	BLFT-20010730ACO	91.7	110.7	0.205 V W 124° 00' 51.0"	54.1	91.59	CLEAR
Assumed HAAT: 30 m					K219FJ Channel 219 D 60 dBuV/m F(50,50) Service contour = 6.8 km				
Proposed Channel 220 FT 54 dBuV/m F(50,10) Interfering contour = 23.8 km					K219FJ Channel 219 D 54 dBuV/m F(50,10) Interfering contour = 9.7 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km									
K220IN	CP	OREGON PUBLIC BROADCASTING	220 D		0.2 H	N 45° 21' 17.0"	225.7	26.68	60.07
MCMINNVILLE,NEWBERG&		OR	BMPFT-20010719AAW	91.9	452.0	0.2 V W 122° 59' 23.0"	45.5	-33.4	SHORT
DA: KAT TWO, CA5-FM/CP/RM @ 0.0°; Assumed HAAT: 30 m					K220IN Channel 220 D 60 dBuV/m F(50,50) Service contour = 6.8 km				
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 53.3 km					K220IN Channel 220 D 40 dBuV/m F(50,10) Interfering contour = 22.6 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km									
K220HR	LIC	KBOO FOUNDATION (KBOO-FM)	220 D	339.0	0.011 H	N 45° 43' 20.0"	77.2	104.4	64.30
HOOD RIVER		OR	BLFT-20020905AAV	91.9	702.0	0.011 V W 121° 26' 16.0"	258.2	40.10	CLEAR
DA: ODD ODD990421TB @ 0.0°					K220HR Channel 220 D 60 dBuV/m F(50,50) Service contour = 11.0 km				
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 53.3 km					K220HR Channel 220 D 40 dBuV/m F(50,10) Interfering contour = 37.0 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km									
ALLOC	USE	TILICUM FOUNDATION	220 C2			N 46° 15' 46.0"	313.4	120.8	153.4
ASTORIA		OR		91.9		W 123° 53' 09.0"	132.6	-32.6	SHORT
Assumed ERP: 50 kW; HAAT: 150 m					ALLOC Channel 220 C2 60 dBuV/m F(50,50) Service contour = 52.2 km				
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 53.3 km					ALLOC Channel 220 C2 40 dBuV/m F(50,10) Interfering contour = 137.7 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km									

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PAGE 2

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City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
KMUN	LIC	TILlicum FOUNDATION	220 C2	328.0	3 H	N 46° 15' 46.0"	313.4	120.8	119.8	
ASTORIA		OR	BLED-19830428AA	91.9	369.0	3 V W 123° 53' 09.0"	132.6	1.063	CLOSE	
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 53.3 km					KMUN Channel 220 C2 60 dBuV/m F(50,50) Service contour = 41.3 km					
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					KMUN Channel 220 C2 40 dBuV/m F(50,10) Interfering contour = 104.1 km					
KWSO	LIC	CONFEDERATED TRIBES WARM SPRINGS	220 C2	315.0	3 H	N 44° 50' 24.0"	122.1	141.1	118.3	
WARM SPRINGS		OR	BLED-19860602KD	91.9	994.0	3 V W 121° 13' 56.0"	303.1	22.79	CLEAR	
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 53.3 km					KWSO Channel 220 C2 60 dBuV/m F(50,50) Service contour = 40.6 km					
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					KWSO Channel 220 C2 40 dBuV/m F(50,10) Interfering contour = 102.6 km					
ALLOC	USE	NORTHWEST COMMUNITIES EDUC., CEN	220 C1			N 46° 31' 42.0"	56.2	205.6	187.6	
YAKIMA		WA	91.9			W 120° 31' 03.0"	237.8	18.01	CLEAR	
Assumed ERP: 100 kW; HAAT: 299 m										
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 53.3 km					ALLOC Channel 220 C1 60 dBuV/m F(50,50) Service contour = 72.3 km					
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					ALLOC Channel 220 C1 40 dBuV/m F(50,10) Interfering contour = 171.9 km					
ALLOC	USE	ENTERCOM PORTLAND LICENSE, LLC (222 C			N 45° 29' 23.0"	133.4	5.311	95.00	
PORTLAND		OR	92.3			W 122° 41' 47.0"	313.4	-89.7	SHORT	
Assumed ERP: 100 kW; HAAT: 600 m; Required separation derived from section 73.207 of FCC rules										
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km					ALLOC Channel 222 C 60 dBuV/m F(50,50) Service contour = 91.8 km					
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					ALLOC Channel 222 C 100 dBuV/m F(50,10) Interfering contour = 13.7 km					
KGON	LIC	ENTERCOM PORTLAND LICENSE, LLC (222 C	386.0	97 H	N 45° 29' 20.0"	133.0	5.485	95.00	
PORTLAND		OR	BLH-19900820KF	92.3	480.0	97 V W 122° 41' 40.0"	313.0	-89.5	SHORT	
Required separation derived from section 73.207 of FCC rules										
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km					KGON Channel 222 C 60 dBuV/m F(50,50) Service contour = 78.4 km					
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					KGON Channel 222 C 100 dBuV/m F(50,10) Interfering contour = 11.3 km					
K223AC	LIC	MCKENZIE RIVER BROADCASTING COMP	223 D	107.0	0.25 H	N 43° 46' 38.0"	187.0	195.4	31.00	
COTTAGE GROVE		OR	BLFT-19941209TF	92.5	471.0	0.25 V W 123° 02' 33.0"	6.8	164.4	CLEAR	
Required separation derived from section 73.207 of FCC rules										
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.4 km					K223AC Channel 223 D 60 dBuV/m F(50,50) Service contour = 13.3 km					
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 15.7 km					K223AC Channel 223 D 100 dBuV/m F(50,10) Interfering contour = 1.1 km					
K273AI	LIC	CALVARY CHAPEL OF TWIN FALLS, IN	273 D		0.006 H	N 46° 01' 00.0"	357.5	54.98	10.00	
ARIEL		WA	BLFT-20020624AAE	102.5	581.0	0.006 V W 122° 46' 39.0"	177.4	44.98	CLEAR	
Assumed HAAT: 30 m; Required separation derived from section 73.207 of FCC rules										
Proposed Channel 220 FT 91 dBuV/m F(50,10) Interfering contour = 1.1 km					K273AI Channel 273 D 91 dBuV/m F(50,50) Service contour = 0.5 km					
K272DW	APP	CALVARY CHAPEL OF TWIN FALLS, IN	273 D			N 45° 07' 52.0"	140.6	56.24	10.00	
ELWOOD		OR	BPFT-20030113ABG	102.5	1331.0	0.01 V W 122° 17' 28.0"	320.9	46.24	CLEAR	
Assumed HAAT: 30 m; Required separation derived from section 73.207 of FCC rules										
Proposed Channel 220 FT 91 dBuV/m F(50,10) Interfering contour = 1.1 km					K272DW Channel 273 D 91 dBuV/m F(50,50) Service contour = 0.5 km					
K274AR	APP	EDUCATIONAL MEDIA FOUNDATION	274 D		0.01 H	N 45° 31' 21.0"	0.0	0.000	10.00	
GRESHAM		OR	BPFT-20030102AAS	102.7	549.0	0.01 V W 122° 44' 45.0"	0.0	-10.0	SHORT	
Assumed HAAT: 30 m; Required separation derived from section 73.207 of FCC rules										
Proposed Channel 220 FT 91 dBuV/m F(50,10) Interfering contour = 1.1 km					K274AR Channel 274 D 91 dBuV/m F(50,50) Service contour = 0.5 km					

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PAGE 3

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City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
K274AR	LIC	EDUCATIONAL MEDIA FOUNDATION	274 D			N 45° 29' 20.0"	133.0	5.485	10.00	
GRESHAM		OR	BLFT-20020221ABQ	102.7	351.0	0.028 V W 122° 41' 40.0"	313.0	-4.52	SHORT	

Assumed HAAT: 30 m; Required separation derived from section 73.207 of FCC rules

Proposed Channel 220 FT 91 dBuV/m F(50,10) Interfering contour = 1.1 km

K274AR Channel 274 D 91 dBuV/m F(50,50) Service contour = 0.7 km

>> End of channel 220 FT study <<