

EXHIBIT 12A

McClanathan & Associates, Inc.
Portland, Or

Friday, August 22, 2003

Dataworld FM Interference Study

Title: K220IN

Channel: 220 FT (91.9 MHz) ERP: 0.011 kW HAAT: 425.0 m
Database: FCC 8/20/2003 2:50:15 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	76.84
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	LIC	LIFETALK RADIO, INC.	217 D	180.0	0.004 H	N 44° 41' 00.0"	181.7	93.30	12.32
SCIO		OR BLFT-20010608AAU	91.3	385.0	0.004 V	W 122° 46' 54.0"	1.7	80.98	CLEAR
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.2 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 = 12.2 km					K217EI Channel 217 D 100 dBuV/m F(50,10) Interfering contour = 0.1 km				
KOPB-FM	LIC	OREGON PUBLIC BROADCASTING	218 C0	470.0	70 H	N 45° 31' 21.0"	0.0	0.000	81.50
PORTLAND		OR BLED-20030213AAI	91.5	561.0	70 V	W 122° 44' 45.0"	0.0	-81.5	SHORT
Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.2 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 = 12.2 km					KOPB-FM Channel 218 C0 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	24.96
GLENEDEN BEACH		OR BLFT-20010730ACO	91.7	110.7	0.205 V	W 124° 00' 51.0"	54.1	97.27	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 = 18.1 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 = 12.2 km									
K220IN	CP	OREGON PUBLIC BROADCASTING	220 D		0.2 H	N 45° 21' 17.0"	225.7	26.68	48.93
MCMINNIVILLE		OR BMPFT-20010719AAW	91.9	452.0	0.2 V	W 122° 59' 23.0"	45.5	-22.3	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 = 42.2 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 = 12.2 km									
ALLOC	USE	TILlicum FOUNDATION	220 C2			N 46° 15' 46.0"	313.4	120.8	149.9
ASTORIA		OR	91.9			W 123° 53' 09.0"	132.6	-29.1	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 = 42.2 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 = 12.2 km									
KMUN	LIC	TILlicum FOUNDATION	220 C2	328.0	3 H	N 46° 15' 46.0"	313.4	120.8	116.2
ASTORIA		OR BLED-19830428AA	91.9	369.0	3 V	W 123° 53' 09.0"	132.6	4.592	CLOSE
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 42.2 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 = 12.2 km					KMUN Channel 220 C2 40 dBuV/m F(50,10) Interfering contour = 104.1 km				
KMUN	CP	TILlicum FOUNDATION	220 C2	332.0	7.2 H	N 46° 15' 46.0"	313.4	120.8	131.1
ASTORIA		OR BPED-20030214ABP	91.9	376.0	7.2 V	W 123° 53' 09.0"	132.6	-10.2	SHORT
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 42.2 km					KMUN Channel 220 C2 60 dBuV/m F(50,50) Service contour = 49.1 km				
Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 12.2 km					KMUN Channel 220 C2 40 dBuV/m F(50,10) Interfering contour = 118.9 km				
KWSO	LIC	CONFEDERATED TRIBES WARM SPRINGS	220 C2	315.0	3 H	N 44° 50' 24.0"	122.1	141.1	114.8
WARM SPRINGS		OR BLED-19860602KD	91.9	994.0	3 V	W 121° 13' 56.0"	303.1	26.32	CLEAR
Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 42.2 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 = 12.2 km					KWSO Channel 220 C2 40 dBuV/m F(50,10) Interfering contour = 102.6 km				

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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)
ALLOC	USE	NORTHWEST COMMUNITIES EDUC., CEN	220 C1			N 46° 31' 42.0"	56.2	205.6	184.1
YAKIMA		WA		91.9		W 120° 31' 03.0"	237.8	21.54	CLEAR

Assumed ERP: 100 kW; HAAT: 299 m

Proposed Channel 220 FT 40 dBuV/m F(50,10) Interfering contour = 42.2 km
 Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 12.2 km

ALLOC Channel 220 C1 60 dBuV/m F(50,50) Service contour = 72.3 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 = 0.2 km
 Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 12.2 km

ALLOC Channel 222 C 60 dBuV/m F(50,50) Service contour = 91.8 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	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 = 0.2 km
 Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 12.2 km

KGON Channel 222 C 60 dBuV/m F(50,50) Service contour = 78.4 km
 KGON Channel 222 C 100 dBuV/m F(50,10) Interfering contour = 11.3 km

NEW	APP	CALVARY CHAPEL OF TWIN FALLS, IN	223 D			N 45° 57' 08.0"	297.8	104.3	31.00
SEASIDE		OR BNPFT-20030310AQT		92.5	255.0 0.041 V	W 123° 56' 14.0"	116.9	73.31	CLEAR

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

Proposed Channel 220 FT 100 dBuV/m F(50,10) Interfering contour = 0.2 km
 Proposed Channel 220 FT 60 dBuV/m F(50,50) Service contour = 12.2 km

NEW Channel 223 D 60 dBuV/m F(50,50) Service contour = 4.6 km
 NEW Channel 223 D 100 dBuV/m F(50,10) Interfering contour = 0.4 km

NEW	APP	EDGEWATER BROADCASTING INC.	273 D			N 45° 41' 30.0"	57.7	35.43	10.00
CAMAS		WA BNPFT-20030317KPK		102.5	591.8 0.011 V	W 122° 21' 39.0"	238.0	25.43	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 = 0.6 km

NEW Channel 273 D 91 dBuV/m F(50,50) Service contour = 0.6 km

K273AI	LIC	CALVARY CHAPEL OF TWIN FALLS, IN	273 D			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 = 0.6 km

K273AI Channel 273 D 91 dBuV/m F(50,50) Service contour = 0.5 km

K273AJ	CP	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 = 0.6 km

K273AJ Channel 273 D 91 dBuV/m F(50,50) Service contour = 0.5 km

K274AR	CP	EDUCATIONAL MEDIA FOUNDATION	274 D			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 = 0.6 km

K274AR Channel 274 D 91 dBuV/m F(50,50) Service contour = 0.5 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 = 0.6 km

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

>> End of channel 220 FT study <<