

EXHIBIT 12

This application is for a new FM translator service to rebroadcast the programming of FM Station KNHT FM licensed to Rio Dell, California and operating on channel 297C2. The primary station KNHT is a Non-Commercial Educational (NCE) station licensed to Southern Oregon University (SOU). The proposed FM translator will also be a NCE translator to be licensed to SOU and will operate on channel 270 with a maximum antenna ERP of 0.010 kW ERP using a non-directional circularly polarized antenna. This FM translator application complies with all requirements of 47 CFR Section 74.1204 for NCE operation on a non-reserved commercial channel

The proposed antenna power of 0.010 kW ERP H&V is the maximum permitted by 47 C.F.R. Section 74.1235(b)(1) since the maximum HAAT for all radials is the N210E degree radial which is 164 meters. The HAAT for this radial was computed for 2.0 to 3.0 miles (3.21 to 4.83 km) as the distance beyond 3.0 miles on this radial is entirely over the Pacific Ocean.

EXHIBIT 12A is a FM Translator Interference Study tabulating the co-channel and adjacent channel allocations and licensed services which must be protected. Adequate contour protection is provided to all existing services as plotted in EXHIBIT 12B.

EXHIBIT 12A

McClanathan & Associates, Inc.
Portland, Or

Tuesday, March 11, 2003

Dataworld FM Interference Study

Title: Mendocino

Channel: 270 FT (101.9 MHz) ERP: 0.25 kW HAAT: 50.0 m
Database: FCC 3/4/2003 11:07:28 PM

Latitude: N 39° 20' 33.0"
Longitude: W 123° 46' 51.0"
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) | Longitude | -from | (km) | (km) |
| None | APP | CALVARY CHAPEL OF TWIN FALLS, IN | 216 D | 318.0 | 0 H | N 39° 06' 57.0" | 117.9 | 53.64 | 2.185 |
| REGINA HEIGHTS | | CA | BNPFT-20000320AAW | 91.1 | 778.0 | 0.01 V W 123° 13' 56.0" | 298.2 | 51.46 | CLEAR |

DA: SCA CA-2V @ 0.0°

Proposed Channel 270 FT 91 dBuV/m F(50,10) Interfering contour = 1.6 km

None Channel 216 D 91 dBuV/m F(50,50) Service contour = 0.6 km

| | | | | | | | | | |
|----------|----|----------------------------------|-----------------|--------|------|----------------------|-------|-------|-------|
| 950926MB | CP | THE CHILDREN'S CROSS-CULTURAL CO | 217 A | -126.0 | | N 38° 17' 35.0" | 135.2 | 163.4 | 6.397 |
| SONOMA | | CA | BPED-19950926MB | 91.3 | 33.0 | 6 V W 122° 27' 40.0" | 316.0 | 157.0 | CLEAR |

Assumed HAAT: 100 m

Proposed Channel 270 FT 91 dBuV/m F(50,10) Interfering contour = 1.6 km

950926MB Channel 217 A 91 dBuV/m F(50,50) Service contour = 4.8 km

| | | | | | | | | | |
|--------------|-----|-----------------------------|------------------|-------|-------|-------------------------|-------|-------|-------|
| KIOI-FM1 | LIC | AMFM RADIO LICENSES, L.L.C. | 267 D | 300.0 | | N 37° 55' 57.0" | 136.9 | 213.0 | 20.88 |
| WALNUT CREEK | | CA | BLFTB-19990225UC | 101.3 | 427.0 | 0.15 V W 122° 07' 20.0" | 317.9 | 192.1 | CLEAR |

DA: ODD ODD980825TF @ 0.0°

Proposed Channel 270 FT 100 dBuV/m F(50,10) Interfering contour = 0.9 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

KIOI-FM1 Channel 267 D 60 dBuV/m F(50,50) Service contour = 19.9 km

KIOI-FM1 Channel 267 D 100 dBuV/m F(50,10) Interfering contour = 0.8 km

| | | | | | | | | | |
|--------|----|------------------------------|------------------|-------|--------|-------------------------|-------|-------|-------|
| K268AN | CP | EDUCATIONAL MEDIA FOUNDATION | 268 D | | 0.01 H | N 39° 07' 50.0" | 111.0 | 65.28 | 10.29 |
| UKIAH | | CA | BPFT-20011030ACW | 101.5 | 1115.0 | 0.01 V W 123° 04' 32.0" | 291.4 | 54.99 | CLEAR |

Assumed HAAT: 30 m

Proposed Channel 270 FT 80 dBuV/m F(50,10) Interfering contour = 3.0 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

K268AN Channel 268 D 60 dBuV/m F(50,50) Service contour = 3.2 km

K268AN Channel 268 D 80 dBuV/m F(50,10) Interfering contour = 1.0 km

| | | | | | | | | | |
|--------|-----|-------------------------------|-------|-------|--|------------------|-------|-------|-------|
| ALLOC | USE | EUREKA BROADCASTING CO., INC. | 268 C | | | N 40° 25' 12.0" | 347.9 | 122.4 | 94.80 |
| EUREKA | | CA | | 101.5 | | W 124° 05' 00.0" | 167.7 | 27.60 | CLEAR |

Assumed ERP: 100 kW; HAAT: 600 m

Proposed Channel 270 FT 80 dBuV/m F(50,10) Interfering contour = 3.0 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

ALLOC Channel 268 C 60 dBuV/m F(50,50) Service contour = 91.8 km

ALLOC Channel 268 C 80 dBuV/m F(50,10) Interfering contour = 50.4 km

| | | | | | | | | | |
|---------|-----|-------------------------------|----------------|-------|-------|-----------------------|-------|-------|-------|
| KEKA-FM | LIC | EUREKA BROADCASTING CO., INC. | 268 C | 625.0 | 89 H | N 40° 25' 12.0" | 347.9 | 122.4 | 94.55 |
| EUREKA | | CA | BLH-19831212AA | 101.5 | 985.0 | 89 V W 124° 05' 00.0" | 167.7 | 27.85 | CLEAR |

Proposed Channel 270 FT 80 dBuV/m F(50,10) Interfering contour = 3.0 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

KEKA-FM Channel 268 C 60 dBuV/m F(50,50) Service contour = 91.6 km

KEKA-FM Channel 268 C 80 dBuV/m F(50,10) Interfering contour = 50.0 km

| | | | | | | | | | |
|------------|-----|----------------------------------|--------|-------|--|------------------|-------|-------|-------|
| ALLOC | USE | MAVERICK MEDIA OF SANTA ROSA LIC | 269 B1 | | | N 38° 28' 49.0" | 137.2 | 130.1 | 69.46 |
| SANTA ROSA | | CA | | 101.7 | | W 122° 45' 56.0" | 317.8 | 60.60 | CLEAR |

Assumed ERP: 25 kW; HAAT: 100 m

Proposed Channel 270 FT 51 dBuV/m F(50,10) Interfering contour = 15.4 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

ALLOC Channel 269 B1 57 dBuV/m F(50,50) Service contour = 44.7 km

ALLOC Channel 269 B1 54 dBuV/m F(50,10) Interfering contour = 60.2 km

| | | | | | | | | | |
|---------|-----|------------------------------|-----------------|-------|--------|------------------|-------|-------|-------|
| K270AA | LIC | EDUCATIONAL MEDIA FOUNDATION | 270 D | 82.0 | 0.25 H | N 40° 36' 37.0" | 39.8 | 184.8 | 49.43 |
| REDDING | | CA | BLFT-19940222TI | 101.9 | | W 122° 22' 44.0" | 220.7 | 135.4 | CLEAR |

DA: SCA GP-150X @ 150.0°

Proposed Channel 270 FT 40 dBuV/m F(50,10) Interfering contour = 30.7 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

K270AA Channel 270 D 60 dBuV/m F(50,50) Service contour = 11.7 km

K270AA Channel 270 D 40 dBuV/m F(50,10) Interfering contour = 40.1 km

| | | | | | | | | | |
|-------------|-----|-----------------------------|--------|-------|--|------------------|-------|-------|-------|
| ALLOC | USE | RESULTS RADIO LICENSEE, LLC | 271 B1 | | | N 39° 53' 16.0" | 58.1 | 116.1 | 69.46 |
| LOS MOLINOS | | CA | | 102.1 | | W 122° 37' 38.0" | 238.8 | 46.64 | CLEAR |

Assumed ERP: 25 kW; HAAT: 100 m

Proposed Channel 270 FT 51 dBuV/m F(50,10) Interfering contour = 15.4 km

Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

ALLOC Channel 271 B1 57 dBuV/m F(50,50) Service contour = 44.7 km

ALLOC Channel 271 B1 54 dBuV/m F(50,10) Interfering contour = 60.2 km

McClanathan & Associates, Inc.
Portland, Or

Tuesday, March 11, 2003

Dataworld FM Interference Study

Title: Mendocino

Channel: 270 FT (101.9 MHz) ERP: 0.25 kW HAAT: 50.0 m
Database: FCC 3/4/2003 11:07:28 PM

Latitude: N 39° 20' 33.0"
Longitude: W 123° 46' 51.0"
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) | Longitude | -from | (km) | (km) |
| ALLOC | USE | DEL MAR TRUST | 272 B1 | | | N 38° 54' 42.0" | 170.7 | 48.47 | 48.23 |
| POINT ARENA | | CA | 102.3 | | | W 123° 41' 24.0" | 350.7 | 0.239 | CLOSE |

Assumed ERP: 25 kW; HAAT: 100 m

Proposed Channel 270 FT 77 dBuV/m F(50,10) Interfering contour = 3.5 km
Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km

ALLOC Channel 272 B1 57 dBuV/m F(50,50) Service contour = 44.7 km
ALLOC Channel 272 B1 80 dBuV/m F(50,10) Interfering contour = 12.9 km

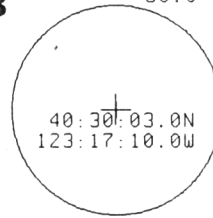
| | | | | | | | | | |
|---|----|---------------|----------------|-------|-------|--|-------|-------|-------|
| 950206MK | CP | DEL MAR TRUST | 272 B1 | 432.0 | 1.2 H | N 38° 53' 44.0" | 157.5 | 53.72 | 48.15 |
| POINT ARENA | | CA | BPH-19950206MK | 102.3 | 707.0 | 1.2 V W 123° 32' 34.0" | 337.6 | 5.574 | CLOSE |
| Proposed Channel 270 FT 77 dBuV/m F(50,10) Interfering contour = 3.5 km | | | | | | 950206MK Channel 272 B1 57 dBuV/m F(50,50) Service contour = 44.7 km | | | |
| Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km | | | | | | 950206MK Channel 272 B1 80 dBuV/m F(50,10) Interfering contour = 12.5 km | | | |

| | | | | | | | | | |
|---|-----|----------------------------------|----------------|-------|-------|---|-------|-------|-------|
| KSFM | LIC | INFINITY RADIO OF SACRAMENTO, IN | 273 B | 127.1 | 16 H | N 38° 35' 20.0" | 114.6 | 196.8 | 52.51 |
| WOODLAND | | CA | BLH-19941118KE | 102.5 | 140.0 | 16 V W 121° 43' 30.0" | 295.9 | 144.3 | CLEAR |
| Proposed Channel 270 FT 94 dBuV/m F(50,10) Interfering contour = 1.3 km | | | | | | KSFM Channel 273 B 54 dBuV/m F(50,50) Service contour = 51.2 km | | | |
| Proposed Channel 270 FT 60 dBuV/m F(50,50) Service contour = 9.3 km | | | | | | KSFM Channel 273 B 100 dBuV/m F(50,10) Interfering contour = 4.1 km | | | |

>> End of channel 270 FT study <<

EXHIBIT 12B

60.0 dBu f(50,50)



PRIMARY FM KNHT
CH. 297C2

+

+

60.0 dBu f(50,50)

39:20:33.0N
123:46:51.0W

PROPOSED
CH. 270 TRANSLATOR
0.010 kW ERP H&V

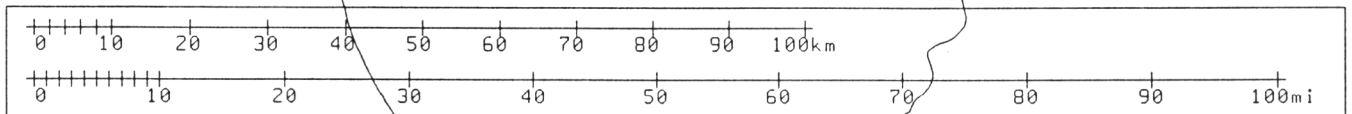
60.0 dBu f(50,50)

KYOE
CH. 272B1 CP

38:53:44.0N
123:32:34.0W

+ 1 DEGREE CROSS-MARKS

Scale 1: 980650.



McClanathan & Associates, Inc.
P.O. Box 939
Portland, OR 97207

PLOTTED USING 360 RADIALS
HAAT FROM 3.22 TO 16.09 KM