

CANADIAN COMPLIANCE, C.F.R 74.1235(d)  
NEW FM TRANSLATOR  
COUDERSPORT, PA, CH. 243D  
L-COM, INC.  
LONG FORM 349  
DECEMBER 2017

This proposed translator at Coudersport, PA on channel 243D, was studied for compliance with C.F.R 74.1235(d) of the Commission's rules.

- 1) The proposed translator is within 320 kilometers of the US-Canadian border.
- 2) The proposed operation will operate with less than 50 watts Effective Radiated Power in all directions.
- 3) As a "fill-in" translators, the maximum allowed distance to the 34 dB $\mu$  interference curve under C.F.R 74.1235(d)(1) is 60 kilometers. Figure 3 attached shows the predicted 34 dB $\mu$  interference contour will not extend beyond 60 kilometers on any azimuth. Figure 4 also shows the predicted contour map for the 34 dB $\mu$  interference contour. The 34 dB $\mu$  will not cross the US-Canadian border at any point.

Contour.out

N. Lat. = 414511.0 W. Lng. = 780003.0  
 HAAT and Distance to Contour,  
 FCC, FM 2-10 Mi, 51 pts Method - NGDC 30 SEC

FIGURE 4 - DISTANCES TO CONTOURS

| Azi. | AV EL | HAAT  | dBk    | 60-F5 | 34-F1 |
|------|-------|-------|--------|-------|-------|
| 000  | 631.4 | 207.6 | -15.23 | 11.07 | 50.63 |
| 010  | 653.1 | 185.9 | -15.23 | 10.51 | 48.05 |
| 020  | 669.7 | 169.3 | -15.23 | 10.03 | 46.09 |
| 030  | 692.2 | 146.8 | -15.23 | 9.27  | 43.39 |
| 040  | 665.8 | 173.2 | -15.23 | 10.15 | 46.55 |
| 050  | 687.2 | 151.8 | -15.23 | 9.44  | 44.00 |
| 060  | 687.4 | 151.6 | -15.23 | 9.43  | 43.97 |
| 070  | 691.3 | 147.7 | -15.23 | 9.30  | 43.50 |
| 080  | 654.9 | 184.1 | -15.23 | 10.46 | 47.84 |
| 090  | 676.9 | 162.1 | -15.23 | 9.79  | 45.23 |
| 100  | 665.7 | 173.3 | -15.23 | 10.15 | 46.57 |
| 110  | 683.1 | 155.9 | -15.23 | 9.58  | 44.49 |
| 120  | 677.4 | 161.6 | -15.23 | 9.78  | 45.17 |
| 130  | 665.2 | 173.8 | -15.23 | 10.17 | 46.62 |
| 140  | 622.1 | 216.9 | -15.23 | 11.31 | 51.69 |
| 150  | 607.0 | 232.0 | -15.23 | 11.68 | 53.26 |
| 160  | 594.4 | 244.6 | -15.23 | 11.98 | 54.44 |
| 170  | 598.6 | 240.4 | -15.23 | 11.88 | 54.06 |
| 180  | 597.5 | 241.5 | -15.23 | 11.91 | 54.16 |
| 190  | 571.1 | 267.9 | -15.23 | 12.53 | 56.48 |
| 200  | 540.9 | 298.1 | -15.23 | 13.22 | 59.13 |
| 210  | 568.6 | 270.4 | -15.23 | 12.59 | 56.70 |
| 220  | 582.4 | 256.6 | -15.23 | 12.26 | 55.49 |
| 230  | 612.7 | 226.3 | -15.23 | 11.54 | 52.69 |
| 240  | 638.8 | 200.2 | -15.23 | 10.88 | 49.77 |
| 250  | 639.9 | 199.1 | -15.23 | 10.86 | 49.64 |
| 260  | 586.8 | 252.2 | -15.23 | 12.16 | 55.11 |
| 270  | 594.4 | 244.6 | -15.23 | 11.98 | 54.44 |
| 280  | 566.4 | 272.6 | -15.23 | 12.64 | 56.89 |
| 290  | 602.8 | 236.2 | -15.23 | 11.78 | 53.66 |
| 300  | 612.9 | 226.1 | -15.23 | 11.54 | 52.67 |
| 310  | 624.4 | 214.6 | -15.23 | 11.25 | 51.42 |
| 320  | 644.2 | 194.8 | -15.23 | 10.74 | 49.12 |
| 330  | 655.8 | 183.2 | -15.23 | 10.44 | 47.74 |
| 340  | 629.2 | 209.8 | -15.23 | 11.13 | 50.88 |
| 350  | 615.8 | 223.2 | -15.23 | 11.47 | 52.36 |

Ave El= 630.78 M HAAT= 208.22 M AMSL= 839.0

1763660 CH243 D , 0.03 kW, 0.0m HAAT, 839.0m COR AMSL  
Service Contour = 34 dBu. Population = 77,927

