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317 Contour Overlap

Callsign : 971117MJ-Proposed
 Coordinates : 32-51-05.0 N, 98-06-31.0 W
 Frequency (MHz): 88.50000
 HAAT (m): 110.00 AMSL (m): 406.84
 Elevation (m): 335.00 Tower AGL (m): 71.84
 ERP (w): 6200
 City/State : Mineral Wells, TX
 Licensee : reg. # 1232880

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 109.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 77 | 25.2 | 90 | 293 | 113 | 30.2 | 180 | 286 | 120 | 31.0 | 270 | 289 | 117 | 30.7 |
| 5 | 330 | 76 | 25.1 | 95 | 293 | 113 | 30.2 | 185 | 285 | 121 | 31.1 | 275 | 293 | 113 | 30.2 |
| 10 | 330 | 76 | 25.1 | 100 | 285 | 121 | 31.1 | 190 | 280 | 126 | 31.7 | 280 | 292 | 114 | 30.3 |
| 15 | 334 | 72 | 24.5 | 105 | 289 | 117 | 30.7 | 195 | 276 | 130 | 32.2 | 285 | 299 | 107 | 29.4 |
| 20 | 333 | 73 | 24.6 | 110 | 283 | 123 | 31.4 | 200 | 272 | 134 | 32.6 | 290 | 303 | 103 | 28.9 |
| 25 | 332 | 74 | 24.8 | 115 | 280 | 126 | 31.7 | 205 | 266 | 140 | 33.3 | 295 | 303 | 103 | 28.9 |
| 30 | 330 | 76 | 25.1 | 120 | 281 | 125 | 31.6 | 210 | 268 | 138 | 33.0 | 300 | 302 | 104 | 29.0 |
| 35 | 329 | 77 | 25.2 | 125 | 275 | 131 | 32.3 | 215 | 268 | 138 | 33.0 | 305 | 299 | 107 | 29.4 |
| 40 | 326 | 80 | 25.7 | 130 | 270 | 136 | 32.8 | 220 | 279 | 127 | 31.8 | 310 | 293 | 113 | 30.2 |
| 45 | 322 | 84 | 26.3 | 135 | 267 | 139 | 33.2 | 225 | 280 | 126 | 31.7 | 315 | 302 | 104 | 29.0 |
| 50 | 317 | 89 | 27.0 | 140 | 264 | 142 | 33.5 | 230 | 281 | 125 | 31.6 | 320 | 305 | 101 | 28.6 |
| 55 | 318 | 88 | 26.8 | 145 | 263 | 143 | 33.6 | 235 | 290 | 116 | 30.6 | 325 | 307 | 99 | 28.4 |
| 60 | 313 | 93 | 27.5 | 150 | 264 | 142 | 33.5 | 240 | 304 | 102 | 28.8 | 330 | 310 | 96 | 28.0 |
| 65 | 311 | 95 | 27.8 | 155 | 263 | 143 | 33.6 | 245 | 299 | 107 | 29.4 | 335 | 311 | 95 | 27.8 |
| 70 | 307 | 99 | 28.4 | 160 | 265 | 141 | 33.4 | 250 | 300 | 106 | 29.3 | 340 | 314 | 92 | 27.4 |
| 75 | 302 | 104 | 29.0 | 165 | 271 | 135 | 32.7 | 255 | 301 | 105 | 29.2 | 345 | 320 | 86 | 26.5 |
| 80 | 297 | 109 | 29.7 | 170 | 277 | 129 | 32.0 | 260 | 301 | 105 | 29.2 | 350 | 322 | 84 | 26.3 |
| 85 | 294 | 112 | 30.0 | 175 | 277 | 129 | 32.0 | 265 | 296 | 110 | 29.8 | 355 | 327 | 79 | 25.5 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Contour HAAT (m) : 109.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 77 | 38.8 | 90 | 293 | 113 | 46.5 | 180 | 286 | 120 | 47.6 | 270 | 289 | 117 | 47.1 |
| 5 | 330 | 76 | 38.5 | 95 | 293 | 113 | 46.5 | 185 | 285 | 121 | 47.7 | 275 | 293 | 113 | 46.5 |
| 10 | 330 | 76 | 38.5 | 100 | 285 | 121 | 47.7 | 190 | 280 | 126 | 48.4 | 280 | 292 | 114 | 46.7 |
| 15 | 334 | 72 | 37.5 | 105 | 289 | 117 | 47.1 | 195 | 276 | 130 | 49.0 | 285 | 299 | 107 | 45.4 |
| 20 | 333 | 73 | 37.7 | 110 | 283 | 123 | 48.0 | 200 | 272 | 134 | 49.5 | 290 | 303 | 103 | 44.7 |
| 25 | 332 | 74 | 38.0 | 115 | 280 | 126 | 48.4 | 205 | 266 | 140 | 50.3 | 295 | 303 | 103 | 44.7 |
| 30 | 330 | 76 | 38.5 | 120 | 281 | 125 | 48.3 | 210 | 268 | 138 | 50.0 | 300 | 302 | 104 | 44.9 |
| 35 | 329 | 77 | 38.8 | 125 | 275 | 131 | 49.1 | 215 | 268 | 138 | 50.0 | 305 | 299 | 107 | 45.4 |
| 40 | 326 | 80 | 39.5 | 130 | 270 | 136 | 49.8 | 220 | 279 | 127 | 48.6 | 310 | 293 | 113 | 46.5 |
| 45 | 322 | 84 | 40.5 | 135 | 267 | 139 | 50.2 | 225 | 280 | 126 | 48.4 | 315 | 302 | 104 | 44.9 |
| 50 | 317 | 89 | 41.7 | 140 | 264 | 142 | 50.6 | 230 | 281 | 125 | 48.3 | 320 | 305 | 101 | 44.3 |
| 55 | 318 | 88 | 41.5 | 145 | 263 | 143 | 50.7 | 235 | 290 | 116 | 47.0 | 325 | 307 | 99 | 43.9 |
| 60 | 313 | 93 | 42.7 | 150 | 264 | 142 | 50.6 | 240 | 304 | 102 | 44.5 | 330 | 310 | 96 | 43.3 |
| 65 | 311 | 95 | 43.1 | 155 | 263 | 143 | 50.7 | 245 | 299 | 107 | 45.4 | 335 | 311 | 95 | 43.1 |
| 70 | 307 | 99 | 43.9 | 160 | 265 | 141 | 50.4 | 250 | 300 | 106 | 45.2 | 340 | 314 | 92 | 42.4 |
| 75 | 302 | 104 | 44.9 | 165 | 271 | 135 | 49.6 | 255 | 301 | 105 | 45.1 | 345 | 320 | 86 | 41.0 |
| 80 | 297 | 109 | 45.8 | 170 | 277 | 129 | 48.8 | 260 | 301 | 105 | 45.1 | 350 | 322 | 84 | 40.5 |
| 85 | 294 | 112 | 46.3 | 175 | 277 | 129 | 48.8 | 265 | 296 | 110 | 46.0 | 355 | 327 | 79 | 39.3 |

Contour type : F(50,10)
 Signal strength : 40.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 109.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 77 | 83.1 | 90 | 293 | 113 | 89.3 | 180 | 286 | 120 | 90.4 | 270 | 289 | 117 | 89.9 |
| 5 | 330 | 76 | 82.9 | 95 | 293 | 113 | 89.3 | 185 | 285 | 121 | 90.6 | 275 | 293 | 113 | 89.3 |
| 10 | 330 | 76 | 82.9 | 100 | 285 | 121 | 90.6 | 190 | 280 | 126 | 91.3 | 280 | 292 | 114 | 89.5 |
| 15 | 334 | 72 | 82.1 | 105 | 289 | 117 | 89.9 | 195 | 276 | 130 | 92.0 | 285 | 299 | 107 | 88.4 |
| 20 | 333 | 73 | 82.3 | 110 | 283 | 123 | 90.9 | 200 | 272 | 134 | 92.5 | 290 | 303 | 103 | 87.7 |
| 25 | 332 | 74 | 82.5 | 115 | 280 | 126 | 91.3 | 205 | 266 | 140 | 93.4 | 295 | 303 | 103 | 87.7 |
| 30 | 330 | 76 | 82.9 | 120 | 281 | 125 | 91.2 | 210 | 268 | 138 | 93.1 | 300 | 302 | 104 | 87.9 |
| 35 | 329 | 77 | 83.1 | 125 | 275 | 131 | 92.1 | 215 | 268 | 138 | 93.1 | 305 | 299 | 107 | 88.4 |
| 40 | 326 | 80 | 83.6 | 130 | 270 | 136 | 92.8 | 220 | 279 | 127 | 91.5 | 310 | 293 | 113 | 89.3 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
| 45 | 322 | 84 | 84.4 | 135 | 267 | 139 | 93.3 | 225 | 280 | 126 | 91.3 | 315 | 302 | 104 | 87.9 |
| 50 | 317 | 89 | 85.3 | 140 | 264 | 142 | 93.7 | 230 | 281 | 125 | 91.2 | 320 | 305 | 101 | 87.4 |
| 55 | 318 | 88 | 85.1 | 145 | 263 | 143 | 93.8 | 235 | 290 | 116 | 89.8 | 325 | 307 | 99 | 87.0 |
| 60 | 313 | 93 | 86.0 | 150 | 264 | 142 | 93.7 | 240 | 304 | 102 | 87.5 | 330 | 310 | 96 | 86.5 |
| 65 | 311 | 95 | 86.3 | 155 | 263 | 143 | 93.8 | 245 | 299 | 107 | 88.4 | 335 | 311 | 95 | 86.3 |
| 70 | 307 | 99 | 87.0 | 160 | 265 | 141 | 93.5 | 250 | 300 | 106 | 88.2 | 340 | 314 | 92 | 85.8 |
| 75 | 302 | 104 | 87.9 | 165 | 271 | 135 | 92.7 | 255 | 301 | 105 | 88.0 | 345 | 320 | 86 | 84.8 |
| 80 | 297 | 109 | 88.7 | 170 | 277 | 129 | 91.8 | 260 | 301 | 105 | 88.0 | 350 | 322 | 84 | 84.4 |
| 85 | 294 | 112 | 89.2 | 175 | 277 | 129 | 91.8 | 265 | 296 | 110 | 88.8 | 355 | 327 | 79 | 83.5 |

Contour type : F(50,10)
Signal strength : 100.000 dBu
Contour HAAT (m) : 109.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 77 | 2.5 | 90 | 293 | 113 | 2.9 | 180 | 286 | 120 | 3.0 | 270 | 289 | 117 | 3.0 |
| 5 | 330 | 76 | 2.5 | 95 | 293 | 113 | 2.9 | 185 | 285 | 121 | 3.0 | 275 | 293 | 113 | 2.9 |
| 10 | 330 | 76 | 2.5 | 100 | 285 | 121 | 3.0 | 190 | 280 | 126 | 3.0 | 280 | 292 | 114 | 2.9 |
| 15 | 334 | 72 | 2.5 | 105 | 289 | 117 | 3.0 | 195 | 276 | 130 | 3.1 | 285 | 299 | 107 | 2.9 |
| 20 | 333 | 73 | 2.5 | 110 | 283 | 123 | 3.0 | 200 | 272 | 134 | 3.1 | 290 | 303 | 103 | 2.8 |
| 25 | 332 | 74 | 2.5 | 115 | 280 | 126 | 3.0 | 205 | 266 | 140 | 3.2 | 295 | 303 | 103 | 2.8 |
| 30 | 330 | 76 | 2.5 | 120 | 281 | 125 | 3.0 | 210 | 268 | 138 | 3.2 | 300 | 302 | 104 | 2.8 |
| 35 | 329 | 77 | 2.5 | 125 | 275 | 131 | 3.1 | 215 | 268 | 138 | 3.2 | 305 | 299 | 107 | 2.9 |
| 40 | 326 | 80 | 2.6 | 130 | 270 | 136 | 3.1 | 220 | 279 | 127 | 3.0 | 310 | 293 | 113 | 2.9 |
| 45 | 322 | 84 | 2.6 | 135 | 267 | 139 | 3.2 | 225 | 280 | 126 | 3.0 | 315 | 302 | 104 | 2.8 |
| 50 | 317 | 89 | 2.7 | 140 | 264 | 142 | 3.2 | 230 | 281 | 125 | 3.0 | 320 | 305 | 101 | 2.8 |
| 55 | 318 | 88 | 2.7 | 145 | 263 | 143 | 3.2 | 235 | 290 | 116 | 2.9 | 325 | 307 | 99 | 2.8 |
| 60 | 313 | 93 | 2.7 | 150 | 264 | 142 | 3.2 | 240 | 304 | 102 | 2.8 | 330 | 310 | 96 | 2.7 |
| 65 | 311 | 95 | 2.7 | 155 | 263 | 143 | 3.2 | 245 | 299 | 107 | 2.9 | 335 | 311 | 95 | 2.7 |
| 70 | 307 | 99 | 2.8 | 160 | 265 | 141 | 3.2 | 250 | 300 | 106 | 2.9 | 340 | 314 | 92 | 2.7 |
| 75 | 302 | 104 | 2.8 | 165 | 271 | 135 | 3.1 | 255 | 301 | 105 | 2.8 | 345 | 320 | 86 | 2.6 |
| 80 | 297 | 109 | 2.9 | 170 | 277 | 129 | 3.1 | 260 | 301 | 105 | 2.8 | 350 | 322 | 84 | 2.6 |
| 85 | 294 | 112 | 2.9 | 175 | 277 | 129 | 3.1 | 265 | 296 | 110 | 2.9 | 355 | 327 | 79 | 2.5 |

□
Callsign : KMQX
Coordinates : 32-49-17.0 N, 98-09-36.0 W
Frequency (MHz): 88.50000
HAAT (m): 150.97 AMSL (m): 442.00
Elevation (m): 300.00 Tower AGL (m): 142.00
ERP (w): 5500
TX power (w): 6 Gain (dB): 0.00
City/State : WEATHERFORD, TX
ARN :
Distance (km): 5
Licensee : CSSI NON-PROFIT EDUCATIONAL BROADCAST INC.

Contour type : F(50,50)
Signal strength : 60.000 dBu
Area covered : 0.000 sq. km
Population covered: 0 persons
Contour HAAT (m) : 151.6

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 313 | 129 | 31.1 | 90 | 279 | 163 | 34.8 | 180 | 275 | 167 | 35.2 | 270 | 305 | 137 | 32.0 |
| 5 | 319 | 123 | 30.5 | 95 | 271 | 171 | 35.6 | 185 | 270 | 172 | 35.7 | 275 | 299 | 143 | 32.7 |
| 10 | 321 | 121 | 30.2 | 100 | 271 | 171 | 35.6 | 190 | 269 | 173 | 35.8 | 280 | 294 | 148 | 33.2 |
| 15 | 317 | 125 | 30.7 | 105 | 266 | 176 | 36.1 | 195 | 268 | 174 | 35.9 | 285 | 286 | 156 | 34.1 |
| 20 | 320 | 122 | 30.3 | 110 | 266 | 176 | 36.1 | 200 | 268 | 174 | 35.9 | 290 | 287 | 155 | 34.0 |
| 25 | 316 | 126 | 30.8 | 115 | 264 | 178 | 36.3 | 205 | 265 | 177 | 36.2 | 295 | 279 | 163 | 34.8 |
| 30 | 316 | 126 | 30.8 | 120 | 261 | 181 | 36.6 | 210 | 273 | 169 | 35.4 | 300 | 277 | 165 | 35.0 |
| 35 | 324 | 118 | 29.9 | 125 | 262 | 180 | 36.5 | 215 | 258 | 184 | 36.8 | 305 | 287 | 155 | 34.0 |
| 40 | 326 | 116 | 29.7 | 130 | 263 | 179 | 36.4 | 220 | 255 | 187 | 37.1 | 310 | 289 | 153 | 33.8 |
| 45 | 332 | 110 | 29.0 | 135 | 266 | 176 | 36.1 | 225 | 265 | 177 | 36.2 | 315 | 293 | 149 | 33.3 |
| 50 | 326 | 116 | 29.7 | 140 | 266 | 176 | 36.1 | 230 | 283 | 159 | 34.4 | 320 | 298 | 144 | 32.8 |
| 55 | 319 | 123 | 30.5 | 145 | 267 | 175 | 36.0 | 235 | 306 | 136 | 31.9 | 325 | 302 | 140 | 32.3 |
| 60 | 310 | 132 | 31.5 | 150 | 275 | 167 | 35.2 | 240 | 316 | 126 | 30.8 | 330 | 297 | 145 | 32.9 |
| 65 | 301 | 141 | 32.5 | 155 | 281 | 161 | 34.6 | 245 | 314 | 128 | 31.0 | 335 | 288 | 154 | 33.9 |
| 70 | 299 | 143 | 32.7 | 160 | 281 | 161 | 34.6 | 250 | 310 | 132 | 31.5 | 340 | 289 | 153 | 33.8 |
| 75 | 288 | 154 | 33.9 | 165 | 283 | 159 | 34.4 | 255 | 315 | 127 | 30.9 | 345 | 299 | 143 | 32.7 |
| 80 | 284 | 158 | 34.3 | 170 | 284 | 158 | 34.3 | 260 | 312 | 130 | 31.2 | 350 | 299 | 143 | 32.7 |
| 85 | 280 | 162 | 34.7 | 175 | 283 | 159 | 34.4 | 265 | 309 | 133 | 31.6 | 355 | 308 | 134 | 31.7 |

317 Contour Overlap

Contour type : F(50,10)
Signal strength : 40.000 dBu
Contour HAAT (m) : 151.6

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 313 | 129 | 89.9 | 90 | 279 | 163 | 94.7 | 180 | 275 | 167 | 95.2 | 270 | 305 | 137 | 91.1 |
| 5 | 319 | 123 | 89.0 | 95 | 271 | 171 | 95.8 | 185 | 270 | 172 | 95.9 | 275 | 299 | 143 | 92.0 |
| 10 | 321 | 121 | 88.7 | 100 | 271 | 171 | 95.8 | 190 | 269 | 173 | 96.0 | 280 | 294 | 148 | 92.7 |
| 15 | 317 | 125 | 89.3 | 105 | 266 | 176 | 96.4 | 195 | 268 | 174 | 96.2 | 285 | 286 | 156 | 93.8 |
| 20 | 320 | 122 | 88.9 | 110 | 266 | 176 | 96.4 | 200 | 268 | 174 | 96.2 | 290 | 287 | 155 | 93.6 |
| 25 | 316 | 126 | 89.5 | 115 | 264 | 178 | 96.7 | 205 | 265 | 177 | 96.6 | 295 | 279 | 163 | 94.7 |
| 30 | 316 | 126 | 89.5 | 120 | 261 | 181 | 97.1 | 210 | 273 | 169 | 95.5 | 300 | 277 | 165 | 95.0 |
| 35 | 324 | 118 | 88.2 | 125 | 262 | 180 | 97.0 | 215 | 258 | 184 | 97.5 | 305 | 287 | 155 | 93.6 |
| 40 | 326 | 116 | 87.9 | 130 | 263 | 179 | 96.8 | 220 | 255 | 187 | 97.8 | 310 | 289 | 153 | 93.4 |
| 45 | 332 | 110 | 87.0 | 135 | 266 | 176 | 96.4 | 225 | 265 | 177 | 96.6 | 315 | 293 | 149 | 92.8 |
| 50 | 326 | 116 | 87.9 | 140 | 266 | 176 | 96.4 | 230 | 283 | 159 | 94.2 | 320 | 298 | 144 | 92.1 |
| 55 | 319 | 123 | 89.0 | 145 | 267 | 175 | 96.3 | 235 | 306 | 136 | 91.0 | 325 | 302 | 140 | 91.5 |
| 60 | 310 | 132 | 90.4 | 150 | 275 | 167 | 95.2 | 240 | 316 | 126 | 89.5 | 330 | 297 | 145 | 92.3 |
| 65 | 301 | 141 | 91.7 | 155 | 281 | 161 | 94.5 | 245 | 314 | 128 | 89.8 | 335 | 288 | 154 | 93.5 |
| 70 | 299 | 143 | 92.0 | 160 | 281 | 161 | 94.5 | 250 | 310 | 132 | 90.4 | 340 | 289 | 153 | 93.4 |
| 75 | 288 | 154 | 93.5 | 165 | 283 | 159 | 94.2 | 255 | 315 | 127 | 89.6 | 345 | 299 | 143 | 92.0 |
| 80 | 284 | 158 | 94.0 | 170 | 284 | 158 | 94.0 | 260 | 312 | 130 | 90.1 | 350 | 299 | 143 | 92.0 |
| 85 | 280 | 162 | 94.6 | 175 | 283 | 159 | 94.2 | 265 | 309 | 133 | 90.5 | 355 | 308 | 134 | 90.7 |

□
Callsign : KCEN-TV
Coordinates : 31-16-24.0 N, 97-13-14.0 W
Comments : TV06
Frequency (MHz): 82.12500
HAAT (m): 582.18 AMSL (m): 756.00
Elevation (m): 180.00 Tower AGL (m): 576.00
ERP (w): 100000
TX power (w): 100 Gain (dB): 0.00
City/State : TEMPLE, TX
ARN :
Distance (km): 194
Licensee : CHANNEL 6, INC.

Contour type : F(50,50)
Signal strength : 47.000 dBu
Contour HAAT (m) : 581.4

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|
| 0 | 171 | 585 | 127.2 | 90 | 134 | 622 | 129.5 | 180 | 174 | 582 | 127.0 | 270 | 218 | 538 | 123.7 |
| 5 | 169 | 587 | 127.3 | 95 | 129 | 627 | 129.8 | 185 | 170 | 586 | 127.3 | 275 | 221 | 535 | 123.5 |
| 10 | 162 | 594 | 127.8 | 100 | 134 | 622 | 129.5 | 190 | 178 | 578 | 126.7 | 280 | 222 | 534 | 123.4 |
| 15 | 160 | 596 | 127.9 | 105 | 134 | 622 | 129.5 | 195 | 182 | 574 | 126.4 | 285 | 221 | 535 | 123.5 |
| 20 | 154 | 602 | 128.3 | 110 | 138 | 618 | 129.3 | 200 | 184 | 572 | 126.3 | 290 | 228 | 528 | 122.9 |
| 25 | 151 | 605 | 128.5 | 115 | 143 | 613 | 129.0 | 205 | 187 | 569 | 126.1 | 295 | 230 | 526 | 122.7 |
| 30 | 145 | 611 | 128.9 | 120 | 146 | 610 | 128.8 | 210 | 194 | 562 | 125.6 | 300 | 226 | 530 | 123.1 |
| 35 | 144 | 612 | 128.9 | 125 | 145 | 611 | 128.9 | 215 | 201 | 555 | 125.1 | 305 | 217 | 539 | 123.8 |
| 40 | 141 | 615 | 129.1 | 130 | 145 | 611 | 128.9 | 220 | 206 | 550 | 124.7 | 310 | 210 | 546 | 124.4 |
| 45 | 136 | 620 | 129.4 | 135 | 144 | 612 | 128.9 | 225 | 209 | 547 | 124.5 | 315 | 206 | 550 | 124.7 |
| 50 | 135 | 621 | 129.5 | 140 | 144 | 612 | 128.9 | 230 | 209 | 547 | 124.5 | 320 | 202 | 554 | 125.0 |
| 55 | 134 | 622 | 129.5 | 145 | 146 | 610 | 128.8 | 235 | 211 | 545 | 124.3 | 325 | 193 | 563 | 125.6 |
| 60 | 132 | 624 | 129.7 | 150 | 151 | 605 | 128.5 | 240 | 211 | 545 | 124.3 | 330 | 187 | 569 | 126.1 |
| 65 | 134 | 622 | 129.5 | 155 | 154 | 602 | 128.3 | 245 | 214 | 542 | 124.1 | 335 | 189 | 567 | 125.9 |
| 70 | 129 | 627 | 129.8 | 160 | 161 | 595 | 127.9 | 250 | 214 | 542 | 124.1 | 340 | 187 | 569 | 126.1 |
| 75 | 141 | 615 | 129.1 | 165 | 167 | 589 | 127.5 | 255 | 214 | 542 | 124.1 | 345 | 185 | 571 | 126.2 |
| 80 | 145 | 611 | 128.9 | 170 | 170 | 586 | 127.3 | 260 | 215 | 541 | 124.0 | 350 | 181 | 575 | 126.5 |
| 85 | 138 | 618 | 129.3 | 175 | 174 | 582 | 127.0 | 265 | 214 | 542 | 124.1 | 355 | 179 | 577 | 126.6 |

□
Callsign : KAUZ-TV
Coordinates : 33-54-04.0 N, 98-32-21.0 W
Comments : TV06
Frequency (MHz): 82.12500
HAAT (m): 313.76 AMSL (m): 612.00
Elevation (m): 300.00 Tower AGL (m): 312.00
ERP (w): 100000
TX power (w): 100 Gain (dB): 0.00
City/State : WICHITA FALLS, TX
ARN :

317 Contour Overlap

Distance (km): 123

Licensee : BENEDEK LICENSE CORPORATION

Contour type : F(50,50)

Signal strength : 47.000 dBu

Contour HAAT (m) : 313.5

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|
| 0 | 308 | 304 | 104.0 | 90 | 295 | 317 | 105.1 | 180 | 299 | 313 | 104.8 | 270 | 291 | 321 | 105.4 |
| 5 | 306 | 306 | 104.2 | 95 | 296 | 316 | 105.0 | 185 | 300 | 312 | 104.7 | 275 | 291 | 321 | 105.4 |
| 10 | 306 | 306 | 104.2 | 100 | 293 | 319 | 105.2 | 190 | 301 | 311 | 104.6 | 280 | 293 | 319 | 105.2 |
| 15 | 303 | 309 | 104.4 | 105 | 294 | 318 | 105.1 | 195 | 302 | 310 | 104.5 | 285 | 294 | 318 | 105.1 |
| 20 | 302 | 310 | 104.5 | 110 | 292 | 320 | 105.3 | 200 | 302 | 310 | 104.5 | 290 | 296 | 316 | 105.0 |
| 25 | 301 | 311 | 104.6 | 115 | 289 | 323 | 105.5 | 205 | 302 | 310 | 104.5 | 295 | 301 | 311 | 104.6 |
| 30 | 298 | 314 | 104.8 | 120 | 289 | 323 | 105.5 | 210 | 301 | 311 | 104.6 | 300 | 304 | 308 | 104.4 |
| 35 | 298 | 314 | 104.8 | 125 | 293 | 319 | 105.2 | 215 | 301 | 311 | 104.6 | 305 | 305 | 307 | 104.3 |
| 40 | 294 | 318 | 105.1 | 130 | 295 | 317 | 105.1 | 220 | 302 | 310 | 104.5 | 310 | 304 | 308 | 104.4 |
| 45 | 289 | 323 | 105.5 | 135 | 294 | 318 | 105.1 | 225 | 303 | 309 | 104.4 | 315 | 306 | 306 | 104.2 |
| 50 | 284 | 328 | 105.9 | 140 | 293 | 319 | 105.2 | 230 | 305 | 307 | 104.3 | 320 | 307 | 305 | 104.1 |
| 55 | 281 | 331 | 106.1 | 145 | 293 | 319 | 105.2 | 235 | 306 | 306 | 104.2 | 325 | 307 | 305 | 104.1 |
| 60 | 279 | 333 | 106.2 | 150 | 290 | 322 | 105.4 | 240 | 309 | 303 | 103.9 | 330 | 309 | 303 | 103.9 |
| 65 | 280 | 332 | 106.1 | 155 | 294 | 318 | 105.1 | 245 | 311 | 301 | 103.8 | 335 | 309 | 303 | 103.9 |
| 70 | 287 | 325 | 105.6 | 160 | 295 | 317 | 105.1 | 250 | 308 | 304 | 104.0 | 340 | 309 | 303 | 103.9 |
| 75 | 291 | 321 | 105.4 | 165 | 297 | 315 | 104.9 | 255 | 306 | 306 | 104.2 | 345 | 308 | 304 | 104.0 |
| 80 | 293 | 319 | 105.2 | 170 | 299 | 313 | 104.8 | 260 | 301 | 311 | 104.6 | 350 | 311 | 301 | 103.8 |
| 85 | 295 | 317 | 105.1 | 175 | 298 | 314 | 104.8 | 265 | 296 | 316 | 105.0 | 355 | 309 | 303 | 103.9 |

□

Callsign : KTCU-FM

Coordinates : 32-42-40.0 N, 97-21-58.0 W

Comments : From Channel 204A

Frequency (MHz): 88.70000

HAAT (m): 91.37 AMSL (m): 291.00

Elevation (m): 180.00 Tower AGL (m): 111.00

ERP (w): 10000

TX power (w): 10 Gain (dB): 0.00

City/State : FORT WORTH, TX

Distance (km): 71

Licensee : TEXAS CHRISTIAN UNIVERSITY

Contour type : F(50,50)

Signal strength : 60.000 dBu

Area covered : 0.000 sq. km

Population covered: 0 persons

Contour HAAT (m) : 87.6

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 189 | 102 | 32.2 | 90 | 187 | 104 | 24.7 | 180 | 232 | 59 | 25.0 | 270 | 217 | 74 | 21.3 |
| 5 | 186 | 105 | 32.7 | 95 | 186 | 105 | 24.8 | 185 | 236 | 55 | 24.2 | 275 | 221 | 70 | 21.9 |
| 10 | 179 | 112 | 33.7 | 100 | 189 | 102 | 24.5 | 190 | 238 | 53 | 23.8 | 280 | 232 | 59 | 21.2 |
| 15 | 175 | 116 | 34.2 | 105 | 192 | 99 | 25.1 | 195 | 245 | 46 | 22.3 | 285 | 241 | 50 | 19.5 |
| 20 | 172 | 119 | 34.6 | 110 | 196 | 95 | 25.5 | 200 | 242 | 49 | 22.9 | 290 | 231 | 60 | 21.4 |
| 25 | 172 | 119 | 34.6 | 115 | 198 | 93 | 26.0 | 205 | 235 | 56 | 24.4 | 295 | 221 | 70 | 23.3 |
| 30 | 175 | 116 | 34.2 | 120 | 196 | 95 | 27.1 | 210 | 229 | 62 | 25.6 | 300 | 212 | 79 | 25.0 |
| 35 | 175 | 116 | 33.9 | 125 | 198 | 93 | 27.3 | 215 | 222 | 69 | 26.7 | 305 | 204 | 87 | 26.8 |
| 40 | 175 | 116 | 33.6 | 130 | 199 | 92 | 27.7 | 220 | 219 | 72 | 27.2 | 310 | 193 | 98 | 29.1 |
| 45 | 170 | 121 | 32.4 | 135 | 199 | 92 | 28.8 | 225 | 215 | 76 | 27.9 | 315 | 187 | 104 | 31.3 |
| 50 | 167 | 124 | 30.8 | 140 | 202 | 89 | 29.4 | 230 | 212 | 79 | 28.4 | 320 | 180 | 111 | 33.6 |
| 55 | 166 | 125 | 29.4 | 145 | 208 | 83 | 28.8 | 235 | 216 | 75 | 27.7 | 325 | 183 | 108 | 33.1 |
| 60 | 172 | 119 | 27.4 | 150 | 207 | 84 | 29.2 | 240 | 221 | 70 | 26.9 | 330 | 182 | 109 | 33.3 |
| 65 | 182 | 109 | 26.5 | 155 | 212 | 79 | 28.4 | 245 | 217 | 74 | 26.3 | 335 | 189 | 102 | 32.2 |
| 70 | 195 | 96 | 25.1 | 160 | 217 | 74 | 27.6 | 250 | 214 | 77 | 25.3 | 340 | 205 | 86 | 29.6 |
| 75 | 192 | 99 | 24.8 | 165 | 225 | 66 | 26.2 | 255 | 219 | 72 | 23.9 | 345 | 199 | 92 | 30.6 |
| 80 | 192 | 99 | 24.1 | 170 | 227 | 64 | 25.9 | 260 | 224 | 67 | 22.5 | 350 | 199 | 92 | 30.6 |
| 85 | 188 | 103 | 24.6 | 175 | 226 | 65 | 26.1 | 265 | 228 | 63 | 20.9 | 355 | 196 | 95 | 31.1 |

Contour type : F(50,10)

Signal strength : 54.000 dBu

Contour HAAT (m) : 87.6

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 189 | 102 | 49.9 | 90 | 187 | 104 | 37.4 | 180 | 232 | 59 | 38.8 | 270 | 217 | 74 | 31.7 |
| 5 | 186 | 105 | 50.5 | 95 | 186 | 105 | 37.6 | 185 | 236 | 55 | 37.4 | 275 | 221 | 70 | 32.7 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|-----|------|-----|-----|----|------|-----|-----|-----|------|
| 10 | 179 | 112 | 51.7 | 100 | 189 | 102 | 37.1 | 190 | 238 | 53 | 36.7 | 280 | 232 | 59 | 31.5 |
| 15 | 175 | 116 | 52.3 | 105 | 192 | 99 | 38.2 | 195 | 245 | 46 | 33.8 | 285 | 241 | 50 | 28.7 |
| 20 | 172 | 119 | 52.7 | 110 | 196 | 95 | 38.9 | 200 | 242 | 49 | 35.0 | 290 | 231 | 60 | 31.8 |
| 25 | 172 | 119 | 52.7 | 115 | 198 | 93 | 39.9 | 205 | 235 | 56 | 37.8 | 295 | 221 | 70 | 35.2 |
| 30 | 175 | 116 | 52.3 | 120 | 196 | 95 | 41.8 | 210 | 229 | 62 | 39.8 | 300 | 212 | 79 | 38.3 |
| 35 | 175 | 116 | 51.8 | 125 | 198 | 93 | 42.3 | 215 | 222 | 69 | 41.9 | 305 | 204 | 87 | 41.5 |
| 40 | 175 | 116 | 51.3 | 130 | 199 | 92 | 42.9 | 220 | 219 | 72 | 42.7 | 310 | 193 | 98 | 45.1 |
| 45 | 170 | 121 | 49.6 | 135 | 199 | 92 | 44.8 | 225 | 215 | 76 | 43.8 | 315 | 187 | 104 | 48.4 |
| 50 | 167 | 124 | 47.2 | 140 | 202 | 89 | 46.0 | 230 | 212 | 79 | 44.6 | 320 | 180 | 111 | 51.5 |
| 55 | 166 | 125 | 45.1 | 145 | 208 | 83 | 45.1 | 235 | 216 | 75 | 43.5 | 325 | 183 | 108 | 51.0 |
| 60 | 172 | 119 | 42.0 | 150 | 207 | 84 | 45.9 | 240 | 221 | 70 | 42.2 | 330 | 182 | 109 | 51.2 |
| 65 | 182 | 109 | 40.5 | 155 | 212 | 79 | 44.6 | 245 | 217 | 74 | 40.8 | 335 | 189 | 102 | 49.9 |
| 70 | 195 | 96 | 38.2 | 160 | 217 | 74 | 43.3 | 250 | 214 | 77 | 39.0 | 340 | 205 | 86 | 46.4 |
| 75 | 192 | 99 | 37.7 | 165 | 225 | 66 | 41.0 | 255 | 219 | 72 | 36.4 | 345 | 199 | 92 | 47.8 |
| 80 | 192 | 99 | 36.5 | 170 | 227 | 64 | 40.4 | 260 | 224 | 67 | 33.7 | 350 | 199 | 92 | 47.8 |
| 85 | 188 | 103 | 37.2 | 175 | 226 | 65 | 40.7 | 265 | 228 | 63 | 30.8 | 355 | 196 | 95 | 48.5 |

□
 Callsign : KJCR
 Coordinates : 32-24-19.0 N, 97-19-55.0 W
 Comments :
 Frequency (MHz): 88.30000
 HAAT (m): 81.65 AMSL (m): 324.00
 Elevation (m): 260.00 Tower AGL (m): 64.00
 ERP (w): 23000
 TX power (w): 23 Gain (dB): 0.00
 City/State : KEENE, TX
 ARN :
 Distance (km): 88
 Licensee : SOUTHWESTERN ADVENTIST COLLEGE

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 80.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 236 | 88 | 26.8 | 90 | 229 | 95 | 19.4 | 180 | 248 | 76 | 17.2 | 270 | 259 | 65 | 31.6 |
| 5 | 235 | 89 | 26.4 | 95 | 223 | 101 | 20.1 | 185 | 249 | 75 | 17.8 | 275 | 255 | 69 | 32.5 |
| 10 | 235 | 89 | 25.8 | 100 | 218 | 106 | 20.6 | 190 | 246 | 78 | 18.9 | 280 | 259 | 65 | 31.6 |
| 15 | 233 | 91 | 25.4 | 105 | 214 | 110 | 20.8 | 195 | 242 | 82 | 20.6 | 285 | 264 | 60 | 30.4 |
| 20 | 231 | 93 | 25.0 | 110 | 211 | 113 | 20.8 | 200 | 239 | 85 | 22.1 | 290 | 267 | 57 | 29.7 |
| 25 | 238 | 86 | 23.6 | 115 | 222 | 102 | 20.0 | 205 | 233 | 91 | 24.1 | 295 | 273 | 51 | 28.2 |
| 30 | 238 | 86 | 23.1 | 120 | 231 | 93 | 19.2 | 210 | 229 | 95 | 25.8 | 300 | 276 | 48 | 27.4 |
| 35 | 239 | 85 | 22.5 | 125 | 228 | 96 | 19.7 | 215 | 232 | 92 | 26.7 | 305 | 277 | 47 | 27.2 |
| 40 | 238 | 86 | 22.2 | 130 | 231 | 93 | 19.6 | 220 | 234 | 90 | 27.6 | 310 | 272 | 52 | 28.5 |
| 45 | 234 | 90 | 22.1 | 135 | 228 | 96 | 19.9 | 225 | 235 | 89 | 28.8 | 315 | 271 | 53 | 28.8 |
| 50 | 239 | 85 | 20.8 | 140 | 239 | 85 | 18.7 | 230 | 238 | 86 | 29.6 | 320 | 271 | 53 | 28.8 |
| 55 | 239 | 85 | 20.5 | 145 | 244 | 80 | 17.9 | 235 | 242 | 82 | 30.4 | 325 | 268 | 56 | 29.1 |
| 60 | 237 | 87 | 20.4 | 150 | 251 | 73 | 16.8 | 240 | 248 | 76 | 30.7 | 330 | 266 | 58 | 29.2 |
| 65 | 232 | 92 | 20.6 | 155 | 254 | 70 | 16.3 | 245 | 249 | 75 | 31.7 | 335 | 264 | 60 | 28.7 |
| 70 | 229 | 95 | 20.6 | 160 | 255 | 69 | 15.9 | 250 | 250 | 74 | 32.6 | 340 | 255 | 69 | 29.3 |
| 75 | 229 | 95 | 20.4 | 165 | 251 | 73 | 16.4 | 255 | 252 | 72 | 32.6 | 345 | 247 | 77 | 29.4 |
| 80 | 232 | 92 | 19.9 | 170 | 252 | 72 | 16.3 | 260 | 254 | 70 | 32.7 | 350 | 245 | 79 | 28.2 |
| 85 | 230 | 94 | 19.7 | 175 | 252 | 72 | 16.3 | 265 | 257 | 67 | 32.0 | 355 | 244 | 80 | 27.1 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Contour HAAT (m) : 80.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 236 | 88 | 41.5 | 90 | 229 | 95 | 28.6 | 180 | 248 | 76 | 25.4 | 270 | 259 | 65 | 51.1 |
| 5 | 235 | 89 | 40.7 | 95 | 223 | 101 | 29.6 | 185 | 249 | 75 | 26.2 | 275 | 255 | 69 | 52.3 |
| 10 | 235 | 89 | 39.6 | 100 | 218 | 106 | 30.4 | 190 | 246 | 78 | 27.8 | 280 | 259 | 65 | 51.1 |
| 15 | 233 | 91 | 38.9 | 105 | 214 | 110 | 30.7 | 195 | 242 | 82 | 30.4 | 285 | 264 | 60 | 49.6 |
| 20 | 231 | 93 | 38.2 | 110 | 211 | 113 | 30.8 | 200 | 239 | 85 | 33.0 | 290 | 267 | 57 | 48.5 |
| 25 | 238 | 86 | 35.7 | 115 | 222 | 102 | 29.4 | 205 | 233 | 91 | 36.5 | 295 | 273 | 51 | 46.0 |
| 30 | 238 | 86 | 34.7 | 120 | 231 | 93 | 28.2 | 210 | 229 | 95 | 39.6 | 300 | 276 | 48 | 44.6 |
| 35 | 239 | 85 | 33.7 | 125 | 228 | 96 | 29.0 | 215 | 232 | 92 | 41.2 | 305 | 277 | 47 | 44.1 |
| 40 | 238 | 86 | 33.2 | 130 | 231 | 93 | 28.8 | 220 | 234 | 90 | 42.8 | 310 | 272 | 52 | 46.5 |
| 45 | 234 | 90 | 33.0 | 135 | 228 | 96 | 29.3 | 225 | 235 | 89 | 44.9 | 315 | 271 | 53 | 46.9 |
| 50 | 239 | 85 | 30.8 | 140 | 239 | 85 | 27.5 | 230 | 238 | 86 | 46.4 | 320 | 271 | 53 | 46.9 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|----|------|-----|-----|----|------|-----|-----|----|------|-----|-----|----|------|
| 55 | 239 | 85 | 30.2 | 145 | 244 | 80 | 26.3 | 235 | 242 | 82 | 48.0 | 325 | 268 | 56 | 47.4 |
| 60 | 237 | 87 | 30.0 | 150 | 251 | 73 | 24.9 | 240 | 248 | 76 | 48.8 | 330 | 266 | 58 | 47.5 |
| 65 | 232 | 92 | 30.4 | 155 | 254 | 70 | 24.1 | 245 | 249 | 75 | 50.5 | 335 | 264 | 60 | 46.1 |
| 70 | 229 | 95 | 30.4 | 160 | 255 | 69 | 23.7 | 250 | 250 | 74 | 52.0 | 340 | 255 | 69 | 46.8 |
| 75 | 229 | 95 | 30.1 | 165 | 251 | 73 | 24.4 | 255 | 252 | 72 | 52.3 | 345 | 247 | 77 | 46.5 |
| 80 | 232 | 92 | 29.2 | 170 | 252 | 72 | 24.2 | 260 | 254 | 70 | 52.6 | 350 | 245 | 79 | 44.3 |
| 85 | 230 | 94 | 29.0 | 175 | 252 | 72 | 24.2 | 265 | 257 | 67 | 51.7 | 355 | 244 | 80 | 42.2 |

□

Callsign : KEOM
 Coordinates : 32-45-45.0 N, 96-38-04.0 W
 Comments :
 Frequency (MHz): 88.50000
 HAAT (m): 178.46 AMSL (m): 315.00
 Elevation (m): 150.00 Tower AGL (m): 165.00
 ERP (w): 61000
 TX power (w): 61 Gain (dB): 0.00
 City/State : MESQUITE, TX
 ARN :
 Distance (km): 138
 Licensee : MESQUITE INDEPENDENT SCHOOL DISTRICT

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 176.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 154 | 161 | 53.2 | 90 | 133 | 182 | 57.6 | 180 | 132 | 183 | 54.6 | 270 | 129 | 186 | 29.1 |
| 5 | 151 | 164 | 54.2 | 95 | 134 | 181 | 57.5 | 185 | 133 | 182 | 53.4 | 275 | 136 | 179 | 29.1 |
| 10 | 147 | 168 | 55.3 | 100 | 132 | 183 | 57.7 | 190 | 130 | 185 | 52.5 | 280 | 139 | 176 | 29.5 |
| 15 | 138 | 177 | 56.6 | 105 | 132 | 183 | 57.7 | 195 | 129 | 186 | 51.0 | 285 | 145 | 170 | 30.2 |
| 20 | 143 | 172 | 56.4 | 110 | 127 | 188 | 58.1 | 200 | 126 | 189 | 49.6 | 290 | 146 | 169 | 31.4 |
| 25 | 142 | 173 | 56.6 | 115 | 127 | 188 | 58.1 | 205 | 128 | 187 | 47.7 | 295 | 151 | 164 | 32.6 |
| 30 | 139 | 176 | 57.0 | 120 | 125 | 190 | 58.3 | 210 | 129 | 186 | 45.6 | 300 | 155 | 160 | 33.7 |
| 35 | 138 | 177 | 57.1 | 125 | 122 | 193 | 58.6 | 215 | 131 | 184 | 43.7 | 305 | 154 | 161 | 35.7 |
| 40 | 138 | 177 | 57.1 | 130 | 125 | 190 | 58.3 | 220 | 128 | 187 | 41.9 | 310 | 152 | 163 | 37.8 |
| 45 | 138 | 177 | 57.1 | 135 | 129 | 186 | 57.9 | 225 | 129 | 186 | 40.0 | 315 | 149 | 166 | 40.0 |
| 50 | 135 | 180 | 57.4 | 140 | 138 | 177 | 57.1 | 230 | 134 | 181 | 37.6 | 320 | 148 | 167 | 42.0 |
| 55 | 135 | 180 | 57.4 | 145 | 142 | 173 | 56.7 | 235 | 132 | 183 | 36.1 | 325 | 151 | 164 | 43.6 |
| 60 | 134 | 181 | 57.5 | 150 | 141 | 174 | 56.8 | 240 | 135 | 180 | 34.0 | 330 | 155 | 160 | 44.9 |
| 65 | 134 | 181 | 57.5 | 155 | 136 | 179 | 57.1 | 245 | 138 | 177 | 32.3 | 335 | 161 | 154 | 46.0 |
| 70 | 135 | 180 | 57.4 | 160 | 134 | 181 | 57.0 | 250 | 135 | 180 | 31.0 | 340 | 169 | 146 | 46.7 |
| 75 | 134 | 181 | 57.5 | 165 | 132 | 183 | 56.7 | 255 | 133 | 182 | 30.2 | 345 | 169 | 146 | 48.1 |
| 80 | 132 | 183 | 57.7 | 170 | 132 | 183 | 56.2 | 260 | 131 | 184 | 29.4 | 350 | 159 | 156 | 50.7 |
| 85 | 131 | 184 | 57.8 | 175 | 132 | 183 | 55.4 | 265 | 129 | 186 | 29.3 | 355 | 156 | 159 | 52.0 |

Contour type : F(50,10)
 Signal strength : 40.000 dBu
 Contour HAAT (m) : 176.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|
| 0 | 154 | 161 | 138.4 | 90 | 133 | 182 | 146.9 | 180 | 132 | 183 | 139.0 | 270 | 129 | 186 | 83.1 |
| 5 | 151 | 164 | 140.4 | 95 | 134 | 181 | 146.8 | 185 | 133 | 182 | 136.0 | 275 | 136 | 179 | 83.4 |
| 10 | 147 | 168 | 142.6 | 100 | 132 | 183 | 147.0 | 190 | 130 | 185 | 133.4 | 280 | 139 | 176 | 84.3 |
| 15 | 138 | 177 | 144.8 | 105 | 132 | 183 | 147.0 | 195 | 129 | 186 | 129.7 | 285 | 145 | 170 | 85.8 |
| 20 | 143 | 172 | 145.0 | 110 | 127 | 188 | 147.7 | 200 | 126 | 189 | 125.9 | 290 | 146 | 169 | 88.0 |
| 25 | 142 | 173 | 145.4 | 115 | 127 | 188 | 147.7 | 205 | 128 | 187 | 121.3 | 295 | 151 | 164 | 90.4 |
| 30 | 139 | 176 | 146.1 | 120 | 125 | 190 | 147.9 | 210 | 129 | 186 | 116.4 | 300 | 155 | 160 | 92.8 |
| 35 | 138 | 177 | 146.2 | 125 | 122 | 193 | 148.3 | 215 | 131 | 184 | 111.7 | 305 | 154 | 161 | 96.6 |
| 40 | 138 | 177 | 146.2 | 130 | 125 | 190 | 147.9 | 220 | 128 | 187 | 107.7 | 310 | 152 | 163 | 100.4 |
| 45 | 138 | 177 | 146.2 | 135 | 129 | 186 | 147.4 | 225 | 129 | 186 | 103.8 | 315 | 149 | 166 | 105.2 |
| 50 | 135 | 180 | 146.6 | 140 | 138 | 177 | 146.2 | 230 | 134 | 181 | 99.0 | 320 | 148 | 167 | 109.2 |
| 55 | 135 | 180 | 146.6 | 145 | 142 | 173 | 145.6 | 235 | 132 | 183 | 96.0 | 325 | 151 | 164 | 113.6 |
| 60 | 134 | 181 | 146.8 | 150 | 141 | 174 | 145.7 | 240 | 135 | 180 | 92.3 | 330 | 155 | 160 | 117.5 |
| 65 | 134 | 181 | 146.8 | 155 | 136 | 179 | 145.8 | 245 | 138 | 177 | 89.3 | 335 | 161 | 154 | 121.3 |
| 70 | 135 | 180 | 146.6 | 160 | 134 | 181 | 145.5 | 250 | 135 | 180 | 86.9 | 340 | 169 | 146 | 124.5 |
| 75 | 134 | 181 | 146.8 | 165 | 132 | 183 | 144.4 | 255 | 133 | 182 | 85.4 | 345 | 169 | 146 | 128.2 |
| 80 | 132 | 183 | 147.0 | 170 | 132 | 183 | 143.2 | 260 | 131 | 184 | 83.8 | 350 | 159 | 156 | 132.8 |
| 85 | 131 | 184 | 147.2 | 175 | 132 | 183 | 141.1 | 265 | 129 | 186 | 83.6 | 355 | 156 | 159 | 135.7 |

□

317 Contour Overlap

Callsign : KSQX
 Coordinates : 32-58-53.0 N, 97-42-18.0 W
 Comments :
 Frequency (MHz): 89.10000
 HAAT (m): 55.71 AMSL (m): 346.00
 Elevation (m): 290.00 Tower AGL (m): 56.00
 ERP (w): 3000
 TX power (w): 3 Gain (dB): 0.00
 City/State : SPRINGTOWN, TX
 ARN :
 Distance (km): 40
 Licensee : CSSI NON-PROFIT EDUCATIONAL BROADCASTING CORPORATION

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 58.2

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 246 | 100 | 24.2 | 90 | 246 | 100 | 24.2 | 180 | 325 | 21 | 13.2 | 270 | 348 | -2 | 13.2 |
| 5 | 243 | 103 | 24.6 | 95 | 251 | 95 | 23.6 | 185 | 321 | 25 | 13.2 | 275 | 354 | -8 | 13.2 |
| 10 | 242 | 104 | 24.7 | 100 | 244 | 102 | 24.5 | 190 | 316 | 30 | 13.2 | 280 | 345 | 1 | 13.2 |
| 15 | 242 | 104 | 24.7 | 105 | 239 | 107 | 25.0 | 195 | 317 | 29 | 13.2 | 285 | 330 | 16 | 13.2 |
| 20 | 246 | 100 | 24.2 | 110 | 239 | 107 | 25.0 | 200 | 315 | 31 | 13.4 | 290 | 321 | 25 | 13.2 |
| 25 | 252 | 94 | 23.5 | 115 | 240 | 106 | 24.9 | 205 | 320 | 26 | 13.2 | 295 | 319 | 27 | 13.2 |
| 30 | 255 | 91 | 23.1 | 120 | 248 | 98 | 24.0 | 210 | 324 | 22 | 13.2 | 300 | 310 | 36 | 14.3 |
| 35 | 254 | 92 | 23.3 | 125 | 255 | 91 | 23.1 | 215 | 327 | 19 | 13.2 | 305 | 305 | 41 | 15.3 |
| 40 | 255 | 91 | 23.1 | 130 | 258 | 88 | 22.8 | 220 | 331 | 15 | 13.2 | 310 | 295 | 51 | 17.4 |
| 45 | 259 | 87 | 22.6 | 135 | 271 | 75 | 21.1 | 225 | 336 | 10 | 13.2 | 315 | 291 | 55 | 18.1 |
| 50 | 256 | 90 | 23.0 | 140 | 280 | 66 | 19.8 | 230 | 335 | 11 | 13.2 | 320 | 285 | 61 | 19.1 |
| 55 | 251 | 95 | 23.6 | 145 | 276 | 70 | 20.4 | 235 | 336 | 10 | 13.2 | 325 | 279 | 67 | 20.0 |
| 60 | 246 | 100 | 24.2 | 150 | 284 | 62 | 19.3 | 240 | 346 | 0 | 13.2 | 330 | 281 | 65 | 19.7 |
| 65 | 246 | 100 | 24.2 | 155 | 289 | 57 | 18.5 | 245 | 348 | -2 | 13.2 | 335 | 272 | 74 | 20.9 |
| 70 | 247 | 99 | 24.1 | 160 | 292 | 54 | 18.0 | 250 | 351 | -5 | 13.2 | 340 | 265 | 81 | 21.9 |
| 75 | 251 | 95 | 23.6 | 165 | 299 | 47 | 16.6 | 255 | 352 | -6 | 13.2 | 345 | 266 | 80 | 21.7 |
| 80 | 252 | 94 | 23.5 | 170 | 310 | 36 | 14.3 | 260 | 347 | -1 | 13.2 | 350 | 259 | 87 | 22.6 |
| 85 | 249 | 97 | 23.9 | 175 | 329 | 17 | 13.2 | 265 | 351 | -5 | 13.2 | 355 | 254 | 92 | 23.3 |

Contour type : F(50,10)
 Signal strength : 100.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 58.2

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 246 | 100 | 2.3 | 90 | 246 | 100 | 2.3 | 180 | 325 | 21 | 1.6 | 270 | 348 | -2 | 1.6 |
| 5 | 243 | 103 | 2.3 | 95 | 251 | 95 | 2.2 | 185 | 321 | 25 | 1.6 | 275 | 354 | -8 | 1.6 |
| 10 | 242 | 104 | 2.3 | 100 | 244 | 102 | 2.3 | 190 | 316 | 30 | 1.6 | 280 | 345 | 1 | 1.6 |
| 15 | 242 | 104 | 2.3 | 105 | 239 | 107 | 2.4 | 195 | 317 | 29 | 1.6 | 285 | 330 | 16 | 1.6 |
| 20 | 246 | 100 | 2.3 | 110 | 239 | 107 | 2.4 | 200 | 315 | 31 | 1.6 | 290 | 321 | 25 | 1.6 |
| 25 | 252 | 94 | 2.2 | 115 | 240 | 106 | 2.3 | 205 | 320 | 26 | 1.6 | 295 | 319 | 27 | 1.6 |
| 30 | 255 | 91 | 2.2 | 120 | 248 | 98 | 2.3 | 210 | 324 | 22 | 1.6 | 300 | 310 | 36 | 1.7 |
| 35 | 254 | 92 | 2.2 | 125 | 255 | 91 | 2.2 | 215 | 327 | 19 | 1.6 | 305 | 305 | 41 | 1.7 |
| 40 | 255 | 91 | 2.2 | 130 | 258 | 88 | 2.2 | 220 | 331 | 15 | 1.6 | 310 | 295 | 51 | 1.9 |
| 45 | 259 | 87 | 2.2 | 135 | 271 | 75 | 2.1 | 225 | 336 | 10 | 1.6 | 315 | 291 | 55 | 1.9 |
| 50 | 256 | 90 | 2.2 | 140 | 280 | 66 | 2.0 | 230 | 335 | 11 | 1.6 | 320 | 285 | 61 | 1.9 |
| 55 | 251 | 95 | 2.2 | 145 | 276 | 70 | 2.0 | 235 | 336 | 10 | 1.6 | 325 | 279 | 67 | 2.0 |
| 60 | 246 | 100 | 2.3 | 150 | 284 | 62 | 1.9 | 240 | 346 | 0 | 1.6 | 330 | 281 | 65 | 2.0 |
| 65 | 246 | 100 | 2.3 | 155 | 289 | 57 | 1.9 | 245 | 348 | -2 | 1.6 | 335 | 272 | 74 | 2.0 |
| 70 | 247 | 99 | 2.3 | 160 | 292 | 54 | 1.9 | 250 | 351 | -5 | 1.6 | 340 | 265 | 81 | 2.1 |
| 75 | 251 | 95 | 2.2 | 165 | 299 | 47 | 1.8 | 255 | 352 | -6 | 1.6 | 345 | 266 | 80 | 2.1 |
| 80 | 252 | 94 | 2.2 | 170 | 310 | 36 | 1.7 | 260 | 347 | -1 | 1.6 | 350 | 259 | 87 | 2.2 |
| 85 | 249 | 97 | 2.3 | 175 | 329 | 17 | 1.6 | 265 | 351 | -5 | 1.6 | 355 | 254 | 92 | 2.2 |

□

Callsign : KSQX
 Coordinates : 32-58-53.0 N, 97-42-18.0 W
 Comments :
 Frequency (MHz): 89.10000
 HAAT (m): 26.71 AMSL (m): 317.00
 Elevation (m): 290.00 Tower AGL (m): 27.00
 ERP (w): 380
 City/State : SPRINGTOWN, TX
 Distance (km): 40

317 Contour Overlap

Licensee : CSSI NON-PROFIT EDUCATIONAL BROADCASTING CORPORATION

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 29.2

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 246 | 71 | 12.1 | 90 | 246 | 71 | 12.1 | 180 | 325 | -8 | 7.9 | 270 | 348 | -31 | 7.9 |
| 5 | 243 | 74 | 12.3 | 95 | 251 | 66 | 11.7 | 185 | 321 | -4 | 7.9 | 275 | 354 | -37 | 7.9 |
| 10 | 242 | 75 | 12.4 | 100 | 244 | 73 | 12.3 | 190 | 316 | 1 | 7.9 | 280 | 345 | -28 | 7.9 |
| 15 | 242 | 75 | 12.4 | 105 | 239 | 78 | 12.6 | 195 | 317 | 0 | 7.9 | 285 | 330 | -13 | 7.9 |
| 20 | 246 | 71 | 12.1 | 110 | 239 | 78 | 12.6 | 200 | 315 | 2 | 7.9 | 290 | 321 | -4 | 7.9 |
| 25 | 252 | 65 | 11.7 | 115 | 240 | 77 | 12.6 | 205 | 320 | -3 | 7.9 | 295 | 319 | -2 | 7.9 |
| 30 | 255 | 62 | 11.4 | 120 | 248 | 69 | 12.0 | 210 | 324 | -7 | 7.9 | 300 | 310 | 7 | 7.9 |
| 35 | 254 | 63 | 11.5 | 125 | 255 | 62 | 11.4 | 215 | 327 | -10 | 7.9 | 305 | 305 | 12 | 7.9 |
| 40 | 255 | 62 | 11.4 | 130 | 258 | 59 | 11.2 | 220 | 331 | -14 | 7.9 | 310 | 295 | 22 | 7.9 |
| 45 | 259 | 58 | 11.1 | 135 | 271 | 46 | 9.8 | 225 | 336 | -19 | 7.9 | 315 | 291 | 26 | 7.9 |
| 50 | 256 | 61 | 11.3 | 140 | 280 | 37 | 8.8 | 230 | 335 | -18 | 7.9 | 320 | 285 | 32 | 8.1 |
| 55 | 251 | 66 | 11.7 | 145 | 276 | 41 | 9.2 | 235 | 336 | -19 | 7.9 | 325 | 279 | 38 | 8.9 |
| 60 | 246 | 71 | 12.1 | 150 | 284 | 33 | 8.3 | 240 | 346 | -29 | 7.9 | 330 | 281 | 36 | 8.6 |
| 65 | 246 | 71 | 12.1 | 155 | 289 | 28 | 7.9 | 245 | 348 | -31 | 7.9 | 335 | 272 | 45 | 9.7 |
| 70 | 247 | 70 | 12.0 | 160 | 292 | 25 | 7.9 | 250 | 351 | -34 | 7.9 | 340 | 265 | 52 | 10.5 |
| 75 | 251 | 66 | 11.7 | 165 | 299 | 18 | 7.9 | 255 | 352 | -35 | 7.9 | 345 | 266 | 51 | 10.4 |
| 80 | 252 | 65 | 11.7 | 170 | 310 | 7 | 7.9 | 260 | 347 | -30 | 7.9 | 350 | 259 | 58 | 11.1 |
| 85 | 249 | 68 | 11.9 | 175 | 329 | -12 | 7.9 | 265 | 351 | -34 | 7.9 | 355 | 254 | 63 | 11.5 |

Contour type : F(50,10)
 Signal strength : 100.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 29.2

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 246 | 71 | 1.2 | 90 | 246 | 71 | 1.2 | 180 | 325 | -8 | 1.1 | 270 | 348 | -31 | 1.1 |
| 5 | 243 | 74 | 1.2 | 95 | 251 | 66 | 1.2 | 185 | 321 | -4 | 1.1 | 275 | 354 | -37 | 1.1 |
| 10 | 242 | 75 | 1.2 | 100 | 244 | 73 | 1.2 | 190 | 316 | 1 | 1.1 | 280 | 345 | -28 | 1.1 |
| 15 | 242 | 75 | 1.2 | 105 | 239 | 78 | 1.2 | 195 | 317 | 0 | 1.1 | 285 | 330 | -13 | 1.1 |
| 20 | 246 | 71 | 1.2 | 110 | 239 | 78 | 1.2 | 200 | 315 | 2 | 1.1 | 290 | 321 | -4 | 1.1 |
| 25 | 252 | 65 | 1.2 | 115 | 240 | 77 | 1.2 | 205 | 320 | -3 | 1.1 | 295 | 319 | -2 | 1.1 |
| 30 | 255 | 62 | 1.2 | 120 | 248 | 69 | 1.2 | 210 | 324 | -7 | 1.1 | 300 | 310 | 7 | 1.1 |
| 35 | 254 | 63 | 1.2 | 125 | 255 | 62 | 1.2 | 215 | 327 | -10 | 1.1 | 305 | 305 | 12 | 1.1 |
| 40 | 255 | 62 | 1.2 | 130 | 258 | 59 | 1.2 | 220 | 331 | -14 | 1.1 | 310 | 295 | 22 | 1.1 |
| 45 | 259 | 58 | 1.2 | 135 | 271 | 46 | 1.2 | 225 | 336 | -19 | 1.1 | 315 | 291 | 26 | 1.1 |
| 50 | 256 | 61 | 1.2 | 140 | 280 | 37 | 1.2 | 230 | 335 | -18 | 1.1 | 320 | 285 | 32 | 1.2 |
| 55 | 251 | 66 | 1.2 | 145 | 276 | 41 | 1.2 | 235 | 336 | -19 | 1.1 | 325 | 279 | 38 | 1.2 |
| 60 | 246 | 71 | 1.2 | 150 | 284 | 33 | 1.2 | 240 | 346 | -29 | 1.1 | 330 | 281 | 36 | 1.2 |
| 65 | 246 | 71 | 1.2 | 155 | 289 | 28 | 1.1 | 245 | 348 | -31 | 1.1 | 335 | 272 | 45 | 1.2 |
| 70 | 247 | 70 | 1.2 | 160 | 292 | 25 | 1.1 | 250 | 351 | -34 | 1.1 | 340 | 265 | 52 | 1.2 |
| 75 | 251 | 66 | 1.2 | 165 | 299 | 18 | 1.1 | 255 | 352 | -35 | 1.1 | 345 | 266 | 51 | 1.2 |
| 80 | 252 | 65 | 1.2 | 170 | 310 | 7 | 1.1 | 260 | 347 | -30 | 1.1 | 350 | 259 | 58 | 1.2 |
| 85 | 249 | 68 | 1.2 | 175 | 329 | -12 | 1.1 | 265 | 351 | -34 | 1.1 | 355 | 254 | 63 | 1.2 |

□
 Callsign : KQXS
 Coordinates : 32-16-09.0 N, 98-18-52.0 W
 Comments :
 Frequency (MHz): 89.10000
 HAAT (m): 125.69 AMSL (m): 554.00
 Elevation (m): 430.00 Tower AGL (m): 124.00
 ERP (w): 2250
 City/State : STEPHENVILLE, TX
 Distance (km): 67
 Licensee : PROVIDENT EDUCATIONAL BROADCASTING CORPORATION

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 126.6

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
| 0 | 428 | 126 | 25.1 | 90 | 419 | 135 | 25.9 | 180 | 428 | 126 | 25.1 | 270 | 442 | 112 | 23.9 |
| 5 | 432 | 122 | 24.8 | 95 | 420 | 134 | 25.8 | 185 | 432 | 122 | 24.8 | 275 | 445 | 109 | 23.6 |
| 10 | 435 | 119 | 24.6 | 100 | 418 | 136 | 25.9 | 190 | 438 | 116 | 24.3 | 280 | 448 | 106 | 23.3 |
| 15 | 433 | 121 | 24.7 | 105 | 411 | 143 | 26.5 | 195 | 444 | 110 | 23.7 | 285 | 449 | 105 | 23.2 |
| 20 | 422 | 132 | 25.6 | 110 | 406 | 148 | 26.9 | 200 | 446 | 108 | 23.5 | 290 | 455 | 99 | 22.6 |
| 25 | 418 | 136 | 25.9 | 115 | 402 | 152 | 26.2 | 205 | 445 | 109 | 23.6 | 295 | 462 | 92 | 21.8 |
| 30 | 413 | 141 | 26.4 | 120 | 402 | 152 | 25.1 | 210 | 443 | 111 | 23.8 | 300 | 463 | 91 | 21.6 |
| 35 | 405 | 149 | 27.0 | 125 | 404 | 150 | 23.6 | 215 | 442 | 112 | 23.9 | 305 | 469 | 85 | 20.9 |
| 40 | 404 | 150 | 27.1 | 130 | 407 | 147 | 22.9 | 220 | 438 | 116 | 24.3 | 310 | 469 | 85 | 20.9 |
| 45 | 406 | 148 | 26.9 | 135 | 412 | 142 | 22.8 | 225 | 435 | 119 | 24.6 | 315 | 457 | 97 | 22.3 |
| 50 | 407 | 147 | 26.8 | 140 | 418 | 136 | 22.6 | 230 | 430 | 124 | 25.0 | 320 | 458 | 96 | 22.2 |
| 55 | 408 | 146 | 26.8 | 145 | 416 | 138 | 23.8 | 235 | 426 | 128 | 25.3 | 325 | 438 | 116 | 24.3 |
| 60 | 417 | 137 | 26.0 | 150 | 418 | 136 | 24.6 | 240 | 426 | 128 | 25.3 | 330 | 431 | 123 | 24.9 |
| 65 | 412 | 142 | 26.4 | 155 | 422 | 132 | 25.0 | 245 | 427 | 127 | 25.2 | 335 | 419 | 135 | 25.9 |
| 70 | 410 | 144 | 26.6 | 160 | 424 | 130 | 25.5 | 250 | 431 | 123 | 24.9 | 340 | 412 | 142 | 26.4 |
| 75 | 406 | 148 | 26.9 | 165 | 428 | 126 | 25.1 | 255 | 431 | 123 | 24.9 | 345 | 406 | 148 | 26.9 |
| 80 | 414 | 140 | 26.3 | 170 | 426 | 128 | 25.3 | 260 | 439 | 115 | 24.2 | 350 | 416 | 138 | 26.1 |
| 85 | 418 | 136 | 25.9 | 175 | 425 | 129 | 25.4 | 265 | 441 | 113 | 24.0 | 355 | 427 | 127 | 25.2 |

Contour type : F(50,10)
Signal strength : 100.000 dBu
Contour HAAT (m) : 126.6

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 428 | 126 | 2.3 | 90 | 419 | 135 | 2.3 | 180 | 428 | 126 | 2.3 | 270 | 442 | 112 | 2.2 |
| 5 | 432 | 122 | 2.2 | 95 | 420 | 134 | 2.3 | 185 | 432 | 122 | 2.2 | 275 | 445 | 109 | 2.2 |
| 10 | 435 | 119 | 2.2 | 100 | 418 | 136 | 2.3 | 190 | 438 | 116 | 2.2 | 280 | 448 | 106 | 2.1 |
| 15 | 433 | 121 | 2.2 | 105 | 411 | 143 | 2.4 | 195 | 444 | 110 | 2.2 | 285 | 449 | 105 | 2.1 |
| 20 | 422 | 132 | 2.3 | 110 | 406 | 148 | 2.4 | 200 | 446 | 108 | 2.2 | 290 | 455 | 99 | 2.1 |
| 25 | 418 | 136 | 2.3 | 115 | 402 | 152 | 2.3 | 205 | 445 | 109 | 2.2 | 295 | 462 | 92 | 2.0 |
| 30 | 413 | 141 | 2.3 | 120 | 402 | 152 | 2.1 | 210 | 443 | 111 | 2.2 | 300 | 463 | 91 | 2.0 |
| 35 | 405 | 149 | 2.4 | 125 | 404 | 150 | 1.9 | 215 | 442 | 112 | 2.2 | 305 | 469 | 85 | 2.0 |
| 40 | 404 | 150 | 2.4 | 130 | 407 | 147 | 1.9 | 220 | 438 | 116 | 2.2 | 310 | 469 | 85 | 2.0 |
| 45 | 406 | 148 | 2.4 | 135 | 412 | 142 | 1.9 | 225 | 435 | 119 | 2.2 | 315 | 457 | 97 | 2.1 |
| 50 | 407 | 147 | 2.4 | 140 | 418 | 136 | 1.9 | 230 | 430 | 124 | 2.3 | 320 | 458 | 96 | 2.1 |
| 55 | 408 | 146 | 2.4 | 145 | 416 | 138 | 2.0 | 235 | 426 | 128 | 2.3 | 325 | 438 | 116 | 2.2 |
| 60 | 417 | 137 | 2.3 | 150 | 418 | 136 | 2.1 | 240 | 426 | 128 | 2.3 | 330 | 431 | 123 | 2.3 |
| 65 | 412 | 142 | 2.4 | 155 | 422 | 132 | 2.2 | 245 | 427 | 127 | 2.3 | 335 | 419 | 135 | 2.3 |
| 70 | 410 | 144 | 2.4 | 160 | 424 | 130 | 2.3 | 250 | 431 | 123 | 2.3 | 340 | 412 | 142 | 2.4 |
| 75 | 406 | 148 | 2.4 | 165 | 428 | 126 | 2.3 | 255 | 431 | 123 | 2.3 | 345 | 406 | 148 | 2.4 |
| 80 | 414 | 140 | 2.3 | 170 | 426 | 128 | 2.3 | 260 | 439 | 115 | 2.2 | 350 | 416 | 138 | 2.3 |
| 85 | 418 | 136 | 2.3 | 175 | 425 | 129 | 2.3 | 265 | 441 | 113 | 2.2 | 355 | 427 | 127 | 2.3 |

□
Callsign : 970417ME
Coordinates : 30-59-08.0 N, 97-37-56.0 W
Comments : Vertical Polarization Only
Frequency (MHz): 88.50000
HAAT (m): 187.56 AMSL (m): 418.00
Elevation (m): 250.00 Tower AGL (m): 168.00
ERP (w): 5000
TX power (w): 5 Gain (dB): 0.00
City/State : TEMPLE, TX
ARN :
Distance (km): 212
Licensee : AMERICAN EDUCATIONAL BROADCASTING, INC

Contour type : F(50,50)
Signal strength : 60.000 dBu
Contour HAAT (m) : 189.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 230 | 188 | 30.8 | 90 | 205 | 213 | 29.0 | 180 | 235 | 183 | 17.8 | 270 | 232 | 186 | 17.9 |
| 5 | 228 | 190 | 32.4 | 95 | 205 | 213 | 27.8 | 185 | 242 | 176 | 17.4 | 275 | 239 | 179 | 17.6 |
| 10 | 228 | 190 | 33.7 | 100 | 200 | 218 | 26.8 | 190 | 248 | 170 | 17.1 | 280 | 238 | 180 | 17.6 |
| 15 | 226 | 192 | 35.3 | 105 | 196 | 222 | 26.2 | 195 | 255 | 163 | 16.7 | 285 | 232 | 186 | 17.9 |
| 20 | 224 | 194 | 36.9 | 110 | 203 | 215 | 24.9 | 200 | 256 | 162 | 16.7 | 290 | 242 | 176 | 17.4 |
| 25 | 215 | 203 | 37.6 | 115 | 208 | 210 | 23.5 | 205 | 264 | 154 | 16.2 | 295 | 244 | 174 | 18.1 |
| 30 | 210 | 208 | 38.0 | 120 | 209 | 209 | 22.4 | 210 | 272 | 146 | 15.7 | 300 | 250 | 168 | 18.6 |
| 35 | 206 | 212 | 38.3 | 125 | 213 | 205 | 21.3 | 215 | 275 | 143 | 15.5 | 305 | 255 | 163 | 19.1 |
| 40 | 198 | 220 | 38.9 | 130 | 216 | 202 | 20.3 | 220 | 274 | 144 | 15.5 | 310 | 248 | 170 | 20.4 |
| 45 | 198 | 220 | 38.9 | 135 | 220 | 198 | 19.3 | 225 | 279 | 139 | 15.2 | 315 | 244 | 174 | 21.6 |
| 50 | 206 | 212 | 38.3 | 140 | 221 | 197 | 18.4 | 230 | 278 | 140 | 15.3 | 320 | 240 | 178 | 22.9 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
| 55 | 201 | 217 | 37.3 | 145 | 223 | 195 | 18.3 | 235 | 265 | 153 | 16.1 | 325 | 235 | 183 | 23.9 |
| 60 | 194 | 224 | 36.3 | 150 | 226 | 192 | 18.2 | 240 | 242 | 176 | 17.4 | 330 | 234 | 184 | 24.7 |
| 65 | 188 | 230 | 35.5 | 155 | 226 | 192 | 18.2 | 245 | 226 | 192 | 18.2 | 335 | 235 | 183 | 25.9 |
| 70 | 188 | 230 | 34.1 | 160 | 226 | 192 | 18.2 | 250 | 221 | 197 | 18.4 | 340 | 241 | 177 | 26.7 |
| 75 | 195 | 223 | 32.8 | 165 | 229 | 189 | 18.1 | 255 | 224 | 194 | 18.3 | 345 | 235 | 183 | 28.0 |
| 80 | 195 | 223 | 31.9 | 170 | 229 | 189 | 18.1 | 260 | 219 | 199 | 18.5 | 350 | 234 | 184 | 28.9 |
| 85 | 197 | 221 | 30.7 | 175 | 231 | 187 | 18.0 | 265 | 225 | 193 | 18.2 | 355 | 235 | 183 | 29.6 |

Contour type : F(50,10)
Signal strength : 40.000 dBu
Contour HAAT (m) : 189.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|-------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 230 | 188 | 86.5 | 90 | 205 | 213 | 82.6 | 180 | 235 | 183 | 56.1 | 270 | 232 | 186 | 56.4 |
| 5 | 228 | 190 | 89.2 | 95 | 205 | 213 | 79.9 | 185 | 242 | 176 | 55.2 | 275 | 239 | 179 | 55.6 |
| 10 | 228 | 190 | 91.5 | 100 | 200 | 218 | 77.7 | 190 | 248 | 170 | 54.5 | 280 | 238 | 180 | 55.7 |
| 15 | 226 | 192 | 94.4 | 105 | 196 | 222 | 76.3 | 195 | 255 | 163 | 53.6 | 285 | 232 | 186 | 56.4 |
| 20 | 224 | 194 | 97.3 | 110 | 203 | 215 | 73.5 | 200 | 256 | 162 | 53.5 | 290 | 242 | 176 | 55.2 |
| 25 | 215 | 203 | 98.3 | 115 | 208 | 210 | 70.3 | 205 | 264 | 154 | 52.4 | 295 | 244 | 174 | 57.0 |
| 30 | 210 | 208 | 98.9 | 120 | 209 | 209 | 67.5 | 210 | 272 | 146 | 51.3 | 300 | 250 | 168 | 58.1 |
| 35 | 206 | 212 | 99.4 | 125 | 213 | 205 | 64.8 | 215 | 275 | 143 | 50.9 | 305 | 255 | 163 | 59.6 |
| 40 | 198 | 220 | 100.3 | 130 | 216 | 202 | 62.3 | 220 | 274 | 144 | 51.0 | 310 | 248 | 170 | 62.7 |
| 45 | 198 | 220 | 100.3 | 135 | 220 | 198 | 59.8 | 225 | 279 | 139 | 50.4 | 315 | 244 | 174 | 65.9 |
| 50 | 206 | 212 | 99.4 | 140 | 221 | 197 | 57.7 | 230 | 278 | 140 | 50.5 | 320 | 240 | 178 | 68.9 |
| 55 | 201 | 217 | 97.4 | 145 | 223 | 195 | 57.5 | 235 | 265 | 153 | 52.3 | 325 | 235 | 183 | 71.5 |
| 60 | 194 | 224 | 95.6 | 150 | 226 | 192 | 57.2 | 240 | 242 | 176 | 55.2 | 330 | 234 | 184 | 73.5 |
| 65 | 188 | 230 | 93.9 | 155 | 226 | 192 | 57.2 | 245 | 226 | 192 | 57.2 | 335 | 235 | 183 | 76.2 |
| 70 | 188 | 230 | 91.5 | 160 | 226 | 192 | 57.2 | 250 | 221 | 197 | 57.7 | 340 | 241 | 177 | 78.0 |
| 75 | 195 | 223 | 89.2 | 165 | 229 | 189 | 56.8 | 255 | 224 | 194 | 57.4 | 345 | 235 | 183 | 80.8 |
| 80 | 195 | 223 | 87.6 | 170 | 229 | 189 | 56.8 | 260 | 219 | 199 | 58.0 | 350 | 234 | 184 | 82.8 |
| 85 | 197 | 221 | 85.5 | 175 | 231 | 187 | 56.6 | 265 | 225 | 193 | 57.3 | 355 | 235 | 183 | 84.3 |

□
Callsign : KNTU
Coordinates : 33-17-24.0 N, 97-08-10.0 W
Comments :
Frequency (MHz): 88.10000
HAAT (m): 134.63 AMSL (m): 330.00
Elevation (m): 180.00 Tower AGL (m): 150.00
ERP (w): 100000
TX power (w): 100 Gain (dB): 0.00
City/State : MCKINNEY, TX
ARN :
Distance (km): 102
Licensee : UNIVERSITY OF NORTH TEXAS

Contour type : F(50,50)
Signal strength : 60.000 dBu
Contour HAAT (m) : 135.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 198 | 132 | 56.0 | 90 | 181 | 149 | 58.3 | 180 | 195 | 135 | 52.8 | 270 | 218 | 112 | 53.0 |
| 5 | 198 | 132 | 56.0 | 95 | 179 | 151 | 58.5 | 185 | 194 | 136 | 51.0 | 275 | 218 | 112 | 53.0 |
| 10 | 194 | 136 | 56.6 | 100 | 178 | 152 | 58.6 | 190 | 196 | 134 | 48.5 | 280 | 218 | 112 | 53.0 |
| 15 | 195 | 135 | 56.4 | 105 | 175 | 155 | 58.6 | 195 | 196 | 134 | 50.7 | 285 | 220 | 110 | 52.7 |
| 20 | 196 | 134 | 56.3 | 110 | 172 | 158 | 58.6 | 200 | 196 | 134 | 52.7 | 290 | 221 | 109 | 52.5 |
| 25 | 196 | 134 | 56.3 | 115 | 176 | 154 | 57.4 | 205 | 198 | 132 | 54.3 | 295 | 211 | 119 | 54.1 |
| 30 | 192 | 138 | 56.8 | 120 | 174 | 156 | 56.9 | 210 | 201 | 129 | 55.6 | 300 | 205 | 125 | 55.0 |
| 35 | 189 | 141 | 57.3 | 125 | 172 | 158 | 56.3 | 215 | 199 | 131 | 55.8 | 305 | 194 | 136 | 56.6 |
| 40 | 186 | 144 | 57.7 | 130 | 170 | 160 | 55.7 | 220 | 201 | 129 | 55.6 | 310 | 199 | 131 | 55.8 |
| 45 | 189 | 141 | 57.3 | 135 | 172 | 158 | 54.6 | 225 | 206 | 124 | 54.8 | 315 | 204 | 126 | 55.1 |
| 50 | 186 | 144 | 57.7 | 140 | 172 | 158 | 53.8 | 230 | 208 | 122 | 54.5 | 320 | 203 | 127 | 55.3 |
| 55 | 188 | 142 | 57.4 | 145 | 178 | 152 | 52.7 | 235 | 209 | 121 | 54.4 | 325 | 198 | 132 | 56.0 |
| 60 | 186 | 144 | 57.7 | 150 | 176 | 154 | 52.5 | 240 | 211 | 119 | 54.1 | 330 | 202 | 128 | 55.4 |
| 65 | 180 | 150 | 58.5 | 155 | 184 | 146 | 51.9 | 245 | 214 | 116 | 53.6 | 335 | 202 | 128 | 55.4 |
| 70 | 179 | 151 | 58.6 | 160 | 188 | 142 | 51.7 | 250 | 216 | 114 | 53.3 | 340 | 205 | 125 | 55.0 |
| 75 | 183 | 147 | 58.1 | 165 | 195 | 135 | 52.9 | 255 | 218 | 112 | 53.0 | 345 | 201 | 129 | 55.6 |
| 80 | 180 | 150 | 58.5 | 170 | 195 | 135 | 54.9 | 260 | 221 | 109 | 52.5 | 350 | 202 | 128 | 55.4 |
| 85 | 179 | 151 | 58.6 | 175 | 193 | 137 | 54.2 | 265 | 218 | 112 | 53.0 | 355 | 196 | 134 | 56.3 |

Contour type : F(50,10)
Signal strength : 100.000 dBu
Contour HAAT (m) : 135.0

| 517 contour overlap | | | | | | | | | | | | | | | |
|---------------------|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
| 0 | 198 | 132 | 6.7 | 90 | 181 | 149 | 7.1 | 180 | 195 | 135 | 6.1 | 270 | 218 | 112 | 6.2 |
| 5 | 198 | 132 | 6.7 | 95 | 179 | 151 | 7.1 | 185 | 194 | 136 | 5.8 | 275 | 218 | 112 | 6.2 |
| 10 | 194 | 136 | 6.8 | 100 | 178 | 152 | 7.1 | 190 | 196 | 134 | 5.4 | 280 | 218 | 112 | 6.2 |
| 15 | 195 | 135 | 6.7 | 105 | 175 | 155 | 7.1 | 195 | 196 | 134 | 5.8 | 285 | 220 | 110 | 6.1 |
| 20 | 196 | 134 | 6.7 | 110 | 172 | 158 | 7.1 | 200 | 196 | 134 | 6.1 | 290 | 221 | 109 | 6.1 |
| 25 | 196 | 134 | 6.7 | 115 | 176 | 154 | 6.9 | 205 | 198 | 132 | 6.4 | 295 | 211 | 119 | 6.4 |
| 30 | 192 | 138 | 6.8 | 120 | 174 | 156 | 6.8 | 210 | 201 | 129 | 6.6 | 300 | 205 | 125 | 6.5 |
| 35 | 189 | 141 | 6.9 | 125 | 172 | 158 | 6.7 | 215 | 199 | 131 | 6.7 | 305 | 194 | 136 | 6.8 |
| 40 | 186 | 144 | 7.0 | 130 | 170 | 160 | 6.6 | 220 | 201 | 129 | 6.6 | 310 | 199 | 131 | 6.7 |
| 45 | 189 | 141 | 6.9 | 135 | 172 | 158 | 6.4 | 225 | 206 | 124 | 6.5 | 315 | 204 | 126 | 6.5 |
| 50 | 186 | 144 | 7.0 | 140 | 172 | 158 | 6.2 | 230 | 208 | 122 | 6.4 | 320 | 203 | 127 | 6.6 |
| 55 | 188 | 142 | 6.9 | 145 | 178 | 152 | 6.0 | 235 | 209 | 121 | 6.4 | 325 | 198 | 132 | 6.7 |
| 60 | 186 | 144 | 7.0 | 150 | 176 | 154 | 6.0 | 240 | 211 | 119 | 6.4 | 330 | 202 | 128 | 6.6 |
| 65 | 180 | 150 | 7.1 | 155 | 184 | 146 | 5.9 | 245 | 214 | 116 | 6.3 | 335 | 202 | 128 | 6.6 |
| 70 | 179 | 151 | 7.1 | 160 | 188 | 142 | 5.9 | 250 | 216 | 114 | 6.3 | 340 | 205 | 125 | 6.5 |
| 75 | 183 | 147 | 7.0 | 165 | 195 | 135 | 6.1 | 255 | 218 | 112 | 6.2 | 345 | 201 | 129 | 6.6 |
| 80 | 180 | 150 | 7.1 | 170 | 195 | 135 | 6.5 | 260 | 221 | 109 | 6.1 | 350 | 202 | 128 | 6.6 |
| 85 | 179 | 151 | 7.1 | 175 | 193 | 137 | 6.3 | 265 | 218 | 112 | 6.2 | 355 | 196 | 134 | 6.7 |

```

Callsign      : KNTU
Coordinates   : 33-17-24.0 N,  97-08-11.0 W
Comments      : This license is for an AUXILIARY facility of KNTU, Denton, Texas.
Frequency (MHz) : 88.10000
HAAT (m)      : 110.49      AMSL (m) : 306.00
Elevation (m) : 180.00      Tower AGL (m) : 126.00
ERP (w)       : 100000
TX power (w)   : 100      Gain (dB) : 0.00
City/State    : DENTON, TX
ARN           :
Distance (km) : 102
Licensee      : UNIVERSITY OF NORTH TEXAS

```

```
Contour type      : F(50,50)
Signal strength   : 60.000 dBu
Contour HAAT (m)  : 111.0
```

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 198 | 108 | 52.3 | 90 | 181 | 125 | 54.9 | 180 | 195 | 111 | 49.3 | 270 | 218 | 88 | 48.5 |
| 5 | 198 | 108 | 52.3 | 95 | 178 | 128 | 55.3 | 185 | 193 | 113 | 47.6 | 275 | 218 | 88 | 48.5 |
| 10 | 194 | 112 | 53.0 | 100 | 178 | 128 | 55.2 | 190 | 196 | 110 | 45.0 | 280 | 218 | 88 | 48.5 |
| 15 | 195 | 111 | 52.8 | 105 | 174 | 132 | 55.4 | 195 | 196 | 110 | 47.2 | 285 | 220 | 86 | 48.1 |
| 20 | 196 | 110 | 52.7 | 110 | 172 | 134 | 55.3 | 200 | 196 | 110 | 49.1 | 290 | 221 | 85 | 47.9 |
| 25 | 196 | 110 | 52.7 | 115 | 175 | 131 | 54.2 | 205 | 198 | 108 | 50.6 | 295 | 211 | 95 | 49.9 |
| 30 | 192 | 114 | 53.3 | 120 | 174 | 132 | 53.7 | 210 | 201 | 105 | 51.8 | 300 | 205 | 101 | 51.1 |
| 35 | 189 | 117 | 53.8 | 125 | 172 | 134 | 53.1 | 215 | 199 | 107 | 52.1 | 305 | 194 | 112 | 53.0 |
| 40 | 186 | 120 | 54.2 | 130 | 170 | 136 | 52.5 | 220 | 201 | 105 | 51.8 | 310 | 199 | 107 | 52.1 |
| 45 | 189 | 117 | 53.8 | 135 | 172 | 134 | 51.4 | 225 | 208 | 98 | 50.5 | 315 | 204 | 102 | 51.2 |
| 50 | 186 | 120 | 54.2 | 140 | 172 | 134 | 50.6 | 230 | 208 | 98 | 50.5 | 320 | 204 | 102 | 51.2 |
| 55 | 188 | 118 | 53.9 | 145 | 178 | 128 | 49.3 | 235 | 209 | 97 | 50.3 | 325 | 198 | 108 | 52.3 |
| 60 | 186 | 120 | 54.2 | 150 | 176 | 130 | 49.2 | 240 | 211 | 95 | 49.9 | 330 | 202 | 104 | 51.6 |
| 65 | 181 | 125 | 55.0 | 155 | 184 | 122 | 48.5 | 245 | 214 | 92 | 49.3 | 335 | 202 | 104 | 51.6 |
| 70 | 179 | 127 | 55.3 | 160 | 188 | 118 | 48.3 | 250 | 216 | 90 | 48.9 | 340 | 205 | 101 | 51.1 |
| 75 | 183 | 123 | 54.7 | 165 | 195 | 111 | 49.4 | 255 | 218 | 88 | 48.5 | 345 | 201 | 105 | 51.8 |
| 80 | 180 | 126 | 55.1 | 170 | 195 | 111 | 51.3 | 260 | 221 | 85 | 47.9 | 350 | 202 | 104 | 51.6 |
| 85 | 179 | 127 | 55.2 | 175 | 193 | 113 | 50.6 | 265 | 218 | 88 | 48.5 | 355 | 196 | 110 | 52.1 |

Contour type : F(50,10)
Signal strength : 100.000 dBu
Area covered : 0.000 sq. km
Population covered: 0 persons
Contour HAAT (m) : 111.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 198 | 108 | 6.1 | 90 | 181 | 125 | 6.5 | 180 | 195 | 111 | 5.6 | 270 | 218 | 88 | 5.5 |
| 5 | 198 | 108 | 6.1 | 95 | 178 | 128 | 6.6 | 185 | 193 | 113 | 5.3 | 275 | 218 | 88 | 5.5 |
| 10 | 194 | 112 | 6.2 | 100 | 178 | 128 | 6.6 | 190 | 196 | 110 | 4.9 | 280 | 218 | 88 | 5.5 |
| 15 | 195 | 111 | 6.2 | 105 | 174 | 132 | 6.6 | 195 | 196 | 110 | 5.3 | 285 | 220 | 86 | 5.4 |
| 20 | 196 | 110 | 6.1 | 110 | 172 | 134 | 6.6 | 200 | 196 | 110 | 5.6 | 290 | 221 | 85 | 5.4 |
| 25 | 196 | 110 | 6.1 | 115 | 175 | 131 | 6.4 | 205 | 198 | 108 | 5.8 | 295 | 211 | 95 | 5.7 |
| 30 | 192 | 114 | 6.3 | 120 | 174 | 132 | 6.3 | 210 | 201 | 105 | 6.0 | 300 | 205 | 101 | 5.7 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 35 | 189 | 117 | 6.3 | 125 | 172 | 134 | 6.2 | 215 | 199 | 107 | 6.1 | 305 | 194 | 112 | 6.2 |
| 40 | 186 | 120 | 6.4 | 130 | 170 | 136 | 6.1 | 220 | 201 | 105 | 6.0 | 310 | 199 | 107 | 6.1 |
| 45 | 189 | 117 | 6.3 | 135 | 172 | 134 | 5.9 | 225 | 208 | 98 | 5.8 | 315 | 204 | 102 | 5.9 |
| 50 | 186 | 120 | 6.4 | 140 | 172 | 134 | 5.7 | 230 | 208 | 98 | 5.8 | 320 | 204 | 102 | 5.9 |
| 55 | 188 | 118 | 6.4 | 145 | 178 | 128 | 5.6 | 235 | 209 | 97 | 5.8 | 325 | 198 | 108 | 6.1 |
| 60 | 186 | 120 | 6.4 | 150 | 176 | 130 | 5.5 | 240 | 211 | 95 | 5.7 | 330 | 202 | 104 | 6.0 |
| 65 | 181 | 125 | 6.5 | 155 | 184 | 122 | 5.4 | 245 | 214 | 92 | 5.6 | 335 | 202 | 104 | 6.0 |
| 70 | 179 | 127 | 6.6 | 160 | 188 | 118 | 5.4 | 250 | 216 | 90 | 5.5 | 340 | 205 | 101 | 5.9 |
| 75 | 183 | 123 | 6.5 | 165 | 195 | 111 | 5.6 | 255 | 218 | 88 | 5.5 | 345 | 201 | 105 | 6.0 |
| 80 | 180 | 126 | 6.5 | 170 | 195 | 111 | 5.9 | 260 | 221 | 85 | 5.4 | 350 | 202 | 104 | 6.0 |
| 85 | 179 | 127 | 6.6 | 175 | 193 | 113 | 5.8 | 265 | 218 | 88 | 5.5 | 355 | 196 | 110 | 6.1 |

□

Callsign : KMCU
 Coordinates : 33-56-30.0 N, 98-34-06.0 W
 Comments :
 Frequency (MHz): 88.70000
 HAAT (m): 77.47 AMSL (m): 381.00
 Elevation (m): 300.00 Tower AGL (m): 81.00
 ERP (w): 3000
 TX power (w): 3 Gain (dB): 0.00
 City/State : WICHITA FALLS, TX
 Distance (km): 128
 Licensee : CAMERON UNIVERSITY

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 78.4

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 311 | 70 | 20.4 | 90 | 288 | 93 | 23.4 | 180 | 301 | 80 | 21.7 | 270 | 303 | 78 | 21.5 |
| 5 | 309 | 72 | 20.7 | 95 | 288 | 93 | 23.4 | 185 | 301 | 80 | 21.7 | 275 | 305 | 76 | 21.2 |
| 10 | 311 | 70 | 20.4 | 100 | 288 | 93 | 23.4 | 190 | 300 | 81 | 21.9 | 280 | 309 | 72 | 20.7 |
| 15 | 309 | 72 | 20.7 | 105 | 287 | 94 | 23.5 | 195 | 299 | 82 | 22.0 | 285 | 314 | 67 | 20.0 |
| 20 | 305 | 76 | 21.2 | 110 | 289 | 92 | 23.3 | 200 | 300 | 81 | 21.9 | 290 | 315 | 66 | 19.8 |
| 25 | 306 | 75 | 21.1 | 115 | 291 | 90 | 23.0 | 205 | 301 | 80 | 21.7 | 295 | 316 | 65 | 19.7 |
| 30 | 305 | 76 | 21.2 | 120 | 292 | 89 | 22.9 | 210 | 300 | 81 | 21.9 | 300 | 317 | 64 | 19.5 |
| 35 | 306 | 75 | 21.1 | 125 | 294 | 87 | 22.6 | 215 | 302 | 79 | 21.6 | 305 | 317 | 64 | 19.5 |
| 40 | 307 | 74 | 20.9 | 130 | 295 | 86 | 22.5 | 220 | 306 | 75 | 21.1 | 310 | 319 | 62 | 19.3 |
| 45 | 307 | 74 | 20.9 | 135 | 295 | 86 | 22.5 | 225 | 305 | 76 | 21.2 | 315 | 318 | 63 | 19.4 |
| 50 | 306 | 75 | 21.1 | 140 | 295 | 86 | 22.5 | 230 | 302 | 79 | 21.6 | 320 | 317 | 64 | 19.5 |
| 55 | 304 | 77 | 21.3 | 145 | 296 | 85 | 22.4 | 235 | 299 | 82 | 22.0 | 325 | 316 | 65 | 19.7 |
| 60 | 299 | 82 | 22.0 | 150 | 295 | 86 | 22.5 | 240 | 295 | 86 | 22.5 | 330 | 320 | 61 | 19.1 |
| 65 | 296 | 85 | 22.4 | 155 | 296 | 85 | 22.4 | 245 | 292 | 89 | 22.9 | 335 | 319 | 62 | 19.3 |
| 70 | 292 | 89 | 22.9 | 160 | 298 | 83 | 22.1 | 250 | 292 | 89 | 22.9 | 340 | 321 | 60 | 18.9 |
| 75 | 292 | 89 | 22.9 | 165 | 299 | 82 | 22.0 | 255 | 291 | 90 | 23.0 | 345 | 316 | 65 | 19.7 |
| 80 | 292 | 89 | 22.9 | 170 | 299 | 82 | 22.0 | 260 | 300 | 81 | 21.9 | 350 | 313 | 68 | 20.1 |
| 85 | 290 | 91 | 23.1 | 175 | 299 | 82 | 22.0 | 265 | 304 | 77 | 21.3 | 355 | 312 | 69 | 20.3 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 78.4

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 311 | 70 | 29.9 | 90 | 288 | 93 | 35.2 | 180 | 301 | 80 | 32.4 | 270 | 303 | 78 | 31.9 |
| 5 | 309 | 72 | 30.4 | 95 | 288 | 93 | 35.2 | 185 | 301 | 80 | 32.4 | 275 | 305 | 76 | 31.4 |
| 10 | 311 | 70 | 29.9 | 100 | 288 | 93 | 35.2 | 190 | 300 | 81 | 32.6 | 280 | 309 | 72 | 30.4 |
| 15 | 309 | 72 | 30.4 | 105 | 287 | 94 | 35.4 | 195 | 299 | 82 | 32.9 | 285 | 314 | 67 | 29.3 |
| 20 | 305 | 76 | 31.4 | 110 | 289 | 92 | 35.0 | 200 | 300 | 81 | 32.6 | 290 | 315 | 66 | 29.1 |
| 25 | 306 | 75 | 31.2 | 115 | 291 | 90 | 34.6 | 205 | 301 | 80 | 32.4 | 295 | 316 | 65 | 28.8 |
| 30 | 305 | 76 | 31.4 | 120 | 292 | 89 | 34.4 | 210 | 300 | 81 | 32.6 | 300 | 317 | 64 | 28.6 |
| 35 | 306 | 75 | 31.2 | 125 | 294 | 87 | 34.0 | 215 | 302 | 79 | 32.2 | 305 | 317 | 64 | 28.6 |
| 40 | 307 | 74 | 30.9 | 130 | 295 | 86 | 33.7 | 220 | 306 | 75 | 31.2 | 310 | 319 | 62 | 28.2 |
| 45 | 307 | 74 | 30.9 | 135 | 295 | 86 | 33.7 | 225 | 305 | 76 | 31.4 | 315 | 318 | 63 | 28.4 |
| 50 | 306 | 75 | 31.2 | 140 | 295 | 86 | 33.7 | 230 | 302 | 79 | 32.2 | 320 | 317 | 64 | 28.6 |
| 55 | 304 | 77 | 31.7 | 145 | 296 | 85 | 33.5 | 235 | 299 | 82 | 32.9 | 325 | 316 | 65 | 28.8 |
| 60 | 299 | 82 | 32.9 | 150 | 295 | 86 | 33.7 | 240 | 295 | 86 | 33.7 | 330 | 320 | 61 | 28.0 |
| 65 | 296 | 85 | 33.5 | 155 | 296 | 85 | 33.5 | 245 | 292 | 89 | 34.4 | 335 | 319 | 62 | 28.2 |
| 70 | 292 | 89 | 34.4 | 160 | 298 | 83 | 33.1 | 250 | 292 | 89 | 34.4 | 340 | 321 | 60 | 27.7 |
| 75 | 292 | 89 | 34.4 | 165 | 299 | 82 | 32.9 | 255 | 291 | 90 | 34.6 | 345 | 316 | 65 | 28.8 |
| 80 | 292 | 89 | 34.4 | 170 | 299 | 82 | 32.9 | 260 | 300 | 81 | 32.6 | 350 | 313 | 68 | 29.5 |

317 Contour Overlap
 85 290 91 34.8 175 299 82 32.9 265 304 77 31.7 355 312 69 29.7

□
 Callsign : KQXS
 Coordinates : 32-11-28.0 N, 98-15-07.0 W
 Comments :
 Frequency (MHz): 89.10000
 HAAT (m): 113.66 AMSL (m): 528.00
 Elevation (m): 430.00 Tower AGL (m): 98.00
 ERP (w): 2250
 TX power (w): 2 Gain (dB): 0.00
 City/State : STEPHENVILLE, TX
 Distance (km): 74
 Licensee : PROVIDENT EDUCATIONAL BROADCASTING CORPORATION

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 113.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 421 | 107 | 23.4 | 90 | 401 | 127 | 14.1 | 180 | 405 | 123 | 22.2 | 270 | 442 | 86 | 21.0 |
| 5 | 421 | 107 | 23.4 | 95 | 401 | 127 | 13.4 | 185 | 409 | 119 | 23.1 | 275 | 443 | 85 | 20.9 |
| 10 | 423 | 105 | 23.2 | 100 | 399 | 129 | 12.7 | 190 | 408 | 120 | 24.4 | 280 | 442 | 86 | 21.0 |
| 15 | 417 | 111 | 23.8 | 105 | 395 | 133 | 12.5 | 195 | 414 | 114 | 24.0 | 285 | 442 | 86 | 21.0 |
| 20 | 413 | 115 | 24.2 | 110 | 391 | 137 | 12.2 | 200 | 417 | 111 | 23.8 | 290 | 441 | 87 | 21.2 |
| 25 | 408 | 120 | 24.5 | 115 | 388 | 140 | 12.3 | 205 | 423 | 105 | 23.2 | 295 | 439 | 89 | 21.4 |
| 30 | 402 | 126 | 24.9 | 120 | 388 | 140 | 12.3 | 210 | 425 | 103 | 23.0 | 300 | 438 | 90 | 21.5 |
| 35 | 400 | 128 | 24.8 | 125 | 388 | 140 | 12.7 | 215 | 423 | 105 | 23.2 | 305 | 437 | 91 | 21.6 |
| 40 | 401 | 127 | 24.5 | 130 | 382 | 146 | 13.5 | 220 | 431 | 97 | 22.3 | 310 | 429 | 99 | 22.6 |
| 45 | 401 | 127 | 23.5 | 135 | 380 | 148 | 14.4 | 225 | 436 | 92 | 21.8 | 315 | 427 | 101 | 22.8 |
| 50 | 402 | 126 | 22.4 | 140 | 381 | 147 | 15.2 | 230 | 441 | 87 | 21.2 | 320 | 432 | 96 | 22.2 |
| 55 | 402 | 126 | 21.3 | 145 | 385 | 143 | 16.0 | 235 | 438 | 90 | 21.5 | 325 | 435 | 93 | 21.9 |
| 60 | 396 | 132 | 20.6 | 150 | 388 | 140 | 16.8 | 240 | 437 | 91 | 21.6 | 330 | 438 | 90 | 21.5 |
| 65 | 394 | 134 | 19.7 | 155 | 394 | 134 | 17.5 | 245 | 437 | 91 | 21.6 | 335 | 433 | 95 | 22.1 |
| 70 | 394 | 134 | 18.5 | 160 | 399 | 129 | 18.2 | 250 | 437 | 91 | 21.6 | 340 | 429 | 99 | 22.6 |
| 75 | 401 | 127 | 17.0 | 165 | 401 | 127 | 19.2 | 255 | 441 | 87 | 21.2 | 345 | 425 | 103 | 23.0 |
| 80 | 399 | 129 | 16.0 | 170 | 398 | 130 | 20.4 | 260 | 446 | 82 | 20.5 | 350 | 421 | 107 | 23.4 |
| 85 | 400 | 128 | 15.0 | 175 | 402 | 126 | 21.3 | 265 | 446 | 82 | 20.5 | 355 | 419 | 109 | 23.6 |

Contour type : F(50,10)
 Signal strength : 100.000 dBu
 Area covered : 0.000 sq. km
 Population covered: 0 persons
 Contour HAAT (m) : 113.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 421 | 107 | 2.2 | 90 | 401 | 127 | 1.0 | 180 | 405 | 123 | 1.9 | 270 | 442 | 86 | 2.0 |
| 5 | 421 | 107 | 2.2 | 95 | 401 | 127 | 1.0 | 185 | 409 | 119 | 2.0 | 275 | 443 | 85 | 2.0 |
| 10 | 423 | 105 | 2.1 | 100 | 399 | 129 | 0.9 | 190 | 408 | 120 | 2.2 | 280 | 442 | 86 | 2.0 |
| 15 | 417 | 111 | 2.2 | 105 | 395 | 133 | 0.9 | 195 | 414 | 114 | 2.2 | 285 | 442 | 86 | 2.0 |
| 20 | 413 | 115 | 2.2 | 110 | 391 | 137 | 0.9 | 200 | 417 | 111 | 2.2 | 290 | 441 | 87 | 2.0 |
| 25 | 408 | 120 | 2.2 | 115 | 388 | 140 | 0.9 | 205 | 423 | 105 | 2.1 | 295 | 439 | 89 | 2.0 |
| 30 | 402 | 126 | 2.2 | 120 | 388 | 140 | 0.9 | 210 | 425 | 103 | 2.1 | 300 | 438 | 90 | 2.0 |
| 35 | 400 | 128 | 2.2 | 125 | 388 | 140 | 0.9 | 215 | 423 | 105 | 2.1 | 305 | 437 | 91 | 2.0 |
| 40 | 401 | 127 | 2.2 | 130 | 382 | 146 | 0.9 | 220 | 431 | 97 | 2.1 | 310 | 429 | 99 | 2.1 |
| 45 | 401 | 127 | 2.0 | 135 | 380 | 148 | 1.0 | 225 | 436 | 92 | 2.0 | 315 | 427 | 101 | 2.1 |
| 50 | 402 | 126 | 1.9 | 140 | 381 | 147 | 1.0 | 230 | 441 | 87 | 2.0 | 320 | 432 | 96 | 2.1 |
| 55 | 402 | 126 | 1.8 | 145 | 385 | 143 | 1.2 | 235 | 438 | 90 | 2.0 | 325 | 435 | 93 | 2.0 |
| 60 | 396 | 132 | 1.7 | 150 | 388 | 140 | 1.3 | 240 | 437 | 91 | 2.0 | 330 | 438 | 90 | 2.0 |
| 65 | 394 | 134 | 1.6 | 155 | 394 | 134 | 1.4 | 245 | 437 | 91 | 2.0 | 335 | 433 | 95 | 2.1 |
| 70 | 394 | 134 | 1.5 | 160 | 399 | 129 | 1.5 | 250 | 437 | 91 | 2.0 | 340 | 429 | 99 | 2.1 |
| 75 | 401 | 127 | 1.4 | 165 | 401 | 127 | 1.6 | 255 | 441 | 87 | 2.0 | 345 | 425 | 103 | 2.1 |
| 80 | 399 | 129 | 1.3 | 170 | 398 | 130 | 1.7 | 260 | 446 | 82 | 2.0 | 350 | 421 | 107 | 2.2 |
| 85 | 400 | 128 | 1.2 | 175 | 402 | 126 | 1.8 | 265 | 446 | 82 | 2.0 | 355 | 419 | 109 | 2.2 |

Callsign : 960118MJ
 Coordinates : 34-12-10.0 N, 97-09-12.0 W
 Frequency (MHz): 88.70000
 HAAT (m): 63.44 AMSL (m): 323.00
 Elevation (m): 270.00 Tower AGL (m): 53.00
 ERP (w): 25000
 TX power (w): 25 Gain (dB): 0.00
 City/State : ARDMORE, OK

317 Contour Overlap

Distance (km): 174
 Licensee : CAMERON UNIVERSITY

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 63.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 263 | 60 | 31.1 | 90 | 252 | 71 | 33.5 | 180 | 252 | 71 | 33.5 | 270 | 275 | 48 | 27.9 |
| 5 | 265 | 58 | 30.6 | 95 | 256 | 67 | 32.7 | 185 | 240 | 83 | 36.0 | 275 | 279 | 44 | 26.8 |
| 10 | 260 | 63 | 31.8 | 100 | 261 | 62 | 31.6 | 190 | 242 | 81 | 35.6 | 280 | 280 | 43 | 26.5 |
| 15 | 265 | 58 | 30.6 | 105 | 265 | 58 | 30.6 | 195 | 253 | 70 | 33.3 | 285 | 279 | 44 | 26.8 |
| 20 | 266 | 57 | 30.3 | 110 | 270 | 53 | 29.3 | 200 | 258 | 65 | 32.2 | 290 | 281 | 42 | 26.2 |
| 25 | 260 | 63 | 31.8 | 115 | 271 | 52 | 29.0 | 205 | 258 | 65 | 32.2 | 295 | 276 | 47 | 27.7 |
| 30 | 252 | 71 | 33.5 | 120 | 266 | 57 | 30.3 | 210 | 261 | 62 | 31.6 | 300 | 274 | 49 | 28.2 |
| 35 | 251 | 72 | 33.8 | 125 | 261 | 62 | 31.6 | 215 | 264 | 59 | 30.8 | 305 | 268 | 55 | 29.8 |
| 40 | 244 | 79 | 35.2 | 130 | 258 | 65 | 32.2 | 220 | 263 | 60 | 31.1 | 310 | 264 | 59 | 30.8 |
| 45 | 242 | 81 | 35.6 | 135 | 257 | 66 | 32.5 | 225 | 268 | 55 | 29.8 | 315 | 267 | 56 | 30.0 |
| 50 | 235 | 88 | 37.0 | 140 | 249 | 74 | 34.2 | 230 | 266 | 57 | 30.3 | 320 | 261 | 62 | 31.6 |
| 55 | 237 | 86 | 36.6 | 145 | 248 | 75 | 34.4 | 235 | 268 | 55 | 29.8 | 325 | 262 | 61 | 31.3 |
| 60 | 240 | 83 | 36.0 | 150 | 246 | 77 | 34.8 | 240 | 273 | 50 | 28.5 | 330 | 262 | 61 | 31.3 |
| 65 | 239 | 84 | 36.2 | 155 | 245 | 78 | 35.0 | 245 | 273 | 50 | 28.5 | 335 | 261 | 62 | 31.6 |
| 70 | 241 | 82 | 35.8 | 160 | 245 | 78 | 35.0 | 250 | 273 | 50 | 28.5 | 340 | 262 | 61 | 31.3 |
| 75 | 235 | 88 | 37.0 | 165 | 254 | 69 | 33.1 | 255 | 272 | 51 | 28.7 | 345 | 262 | 61 | 31.3 |
| 80 | 244 | 79 | 35.2 | 170 | 261 | 62 | 31.6 | 260 | 271 | 52 | 29.0 | 350 | 259 | 64 | 32.0 |
| 85 | 246 | 77 | 34.8 | 175 | 255 | 68 | 32.9 | 265 | 274 | 49 | 28.2 | 355 | 261 | 62 | 31.6 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Contour HAAT (m) : 63.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 263 | 60 | 50.7 | 90 | 252 | 71 | 53.9 | 180 | 252 | 71 | 53.9 | 270 | 275 | 48 | 45.7 |
| 5 | 265 | 58 | 50.0 | 95 | 256 | 67 | 52.8 | 185 | 240 | 83 | 56.8 | 275 | 279 | 44 | 43.7 |
| 10 | 260 | 63 | 51.7 | 100 | 261 | 62 | 51.4 | 190 | 242 | 81 | 56.3 | 280 | 280 | 43 | 43.2 |
| 15 | 265 | 58 | 50.0 | 105 | 265 | 58 | 50.0 | 195 | 253 | 70 | 53.6 | 285 | 279 | 44 | 43.7 |
| 20 | 266 | 57 | 49.6 | 110 | 270 | 53 | 48.1 | 200 | 258 | 65 | 52.2 | 290 | 281 | 42 | 42.6 |
| 25 | 260 | 63 | 51.7 | 115 | 271 | 52 | 47.7 | 205 | 258 | 65 | 52.2 | 295 | 276 | 47 | 45.2 |
| 30 | 252 | 71 | 53.9 | 120 | 266 | 57 | 49.6 | 210 | 261 | 62 | 51.4 | 300 | 274 | 49 | 46.2 |
| 35 | 251 | 72 | 54.1 | 125 | 261 | 62 | 51.4 | 215 | 264 | 59 | 50.4 | 305 | 268 | 55 | 48.9 |
| 40 | 244 | 79 | 55.9 | 130 | 258 | 65 | 52.2 | 220 | 263 | 60 | 50.7 | 310 | 264 | 59 | 50.4 |
| 45 | 242 | 81 | 56.3 | 135 | 257 | 66 | 52.5 | 225 | 268 | 55 | 48.9 | 315 | 267 | 56 | 49.3 |
| 50 | 235 | 88 | 57.9 | 140 | 249 | 74 | 54.6 | 230 | 266 | 57 | 49.6 | 320 | 261 | 62 | 51.4 |
| 55 | 237 | 86 | 57.5 | 145 | 248 | 75 | 54.9 | 235 | 268 | 55 | 48.9 | 325 | 262 | 61 | 51.0 |
| 60 | 240 | 83 | 56.8 | 150 | 246 | 77 | 55.4 | 240 | 273 | 50 | 46.7 | 330 | 262 | 61 | 51.0 |
| 65 | 239 | 84 | 57.0 | 155 | 245 | 78 | 55.6 | 245 | 273 | 50 | 46.7 | 335 | 261 | 62 | 51.4 |
| 70 | 241 | 82 | 56.6 | 160 | 245 | 78 | 55.6 | 250 | 273 | 50 | 46.7 | 340 | 262 | 61 | 51.0 |
| 75 | 235 | 88 | 57.9 | 165 | 254 | 69 | 53.4 | 255 | 272 | 51 | 47.2 | 345 | 262 | 61 | 51.0 |
| 80 | 244 | 79 | 55.9 | 170 | 261 | 62 | 51.4 | 260 | 271 | 52 | 47.7 | 350 | 259 | 64 | 52.0 |
| 85 | 246 | 77 | 55.4 | 175 | 255 | 68 | 53.1 | 265 | 274 | 49 | 46.2 | 355 | 261 | 62 | 51.4 |

□
 Callsign : NEW
 Coordinates : 32-58-00.0 N, 97-13-00.0 W
 Frequency (MHz): 88.10000
 HAAT (m): 33.82 AMSL (m): 230.00
 Elevation (m): 230.00 Tower AGL (m): 0.00
 ERP (w): 100
 TX power (w): 0 Gain (dB): 0.00
 City/State : MANSFIELD, TX
 Distance (km): 84
 Licensee : FIRST UNITED METHODIST CHURCH

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 32.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 189 | 41 | 6.5 | 90 | 178 | 52 | 7.4 | 180 | 197 | 33 | 5.9 | 270 | 218 | 12 | 5.6 |
| 5 | 197 | 33 | 5.9 | 95 | 184 | 46 | 6.9 | 185 | 195 | 35 | 6.0 | 275 | 212 | 18 | 5.6 |
| 10 | 194 | 36 | 6.1 | 100 | 187 | 43 | 6.7 | 190 | 196 | 34 | 6.0 | 280 | 212 | 18 | 5.6 |
| 15 | 191 | 39 | 6.4 | 105 | 192 | 38 | 6.3 | 195 | 194 | 36 | 6.1 | 285 | 214 | 16 | 5.6 |
| 20 | 187 | 43 | 6.7 | 110 | 198 | 32 | 5.8 | 200 | 198 | 32 | 5.8 | 290 | 212 | 18 | 5.6 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|
| 25 | 190 | 40 | 6.5 | 115 | 192 | 38 | 6.3 | 205 | 198 | 32 | 5.8 | 295 | 211 | 19 | 5.6 |
| 30 | 187 | 43 | 6.7 | 120 | 186 | 44 | 6.8 | 210 | 200 | 30 | 5.6 | 300 | 205 | 25 | 5.6 |
| 35 | 187 | 43 | 6.7 | 125 | 181 | 49 | 7.2 | 215 | 201 | 29 | 5.6 | 305 | 208 | 22 | 5.6 |
| 40 | 188 | 42 | 6.6 | 130 | 185 | 45 | 6.9 | 220 | 209 | 21 | 5.6 | 310 | 206 | 24 | 5.6 |
| 45 | 191 | 39 | 6.4 | 135 | 182 | 48 | 7.1 | 225 | 209 | 21 | 5.6 | 315 | 205 | 25 | 5.6 |
| 50 | 186 | 44 | 6.8 | 140 | 189 | 41 | 6.5 | 230 | 215 | 15 | 5.6 | 320 | 201 | 29 | 5.6 |
| 55 | 187 | 43 | 6.7 | 145 | 194 | 36 | 6.1 | 235 | 222 | 8 | 5.6 | 325 | 199 | 31 | 5.7 |
| 60 | 182 | 48 | 7.1 | 150 | 192 | 38 | 6.3 | 240 | 228 | 2 | 5.6 | 330 | 197 | 33 | 5.9 |
| 65 | 176 | 54 | 7.6 | 155 | 194 | 36 | 6.1 | 245 | 231 | -1 | 5.6 | 335 | 188 | 42 | 6.6 |
| 70 | 175 | 55 | 7.6 | 160 | 194 | 36 | 6.1 | 250 | 234 | -4 | 5.6 | 340 | 186 | 44 | 6.8 |
| 75 | 174 | 56 | 7.7 | 165 | 198 | 32 | 5.8 | 255 | 233 | -3 | 5.6 | 345 | 189 | 41 | 6.5 |
| 80 | 174 | 56 | 7.7 | 170 | 196 | 34 | 6.0 | 260 | 229 | 1 | 5.6 | 350 | 193 | 37 | 6.2 |
| 85 | 174 | 56 | 7.7 | 175 | 197 | 33 | 5.9 | 265 | 220 | 10 | 5.6 | 355 | 191 | 39 | 6.4 |

Contour type : F(50,10)
Signal strength : 100.000 dBu
Contour HAAT (m) : 32.7

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 189 | 41 | 0.9 | 90 | 178 | 52 | 0.9 | 180 | 197 | 33 | 0.9 | 270 | 218 | 12 | 0.9 |
| 5 | 197 | 33 | 0.9 | 95 | 184 | 46 | 0.9 | 185 | 195 | 35 | 0.9 | 275 | 212 | 18 | 0.9 |
| 10 | 194 | 36 | 0.9 | 100 | 187 | 43 | 0.9 | 190 | 196 | 34 | 0.9 | 280 | 212 | 18 | 0.9 |
| 15 | 191 | 39 | 0.9 | 105 | 192 | 38 | 0.9 | 195 | 194 | 36 | 0.9 | 285 | 214 | 16 | 0.9 |
| 20 | 187 | 43 | 0.9 | 110 | 198 | 32 | 0.9 | 200 | 198 | 32 | 0.9 | 290 | 212 | 18 | 0.9 |
| 25 | 190 | 40 | 0.9 | 115 | 192 | 38 | 0.9 | 205 | 198 | 32 | 0.9 | 295 | 211 | 19 | 0.9 |
| 30 | 187 | 43 | 0.9 | 120 | 186 | 44 | 0.9 | 210 | 200 | 30 | 0.9 | 300 | 205 | 25 | 0.9 |
| 35 | 187 | 43 | 0.9 | 125 | 181 | 49 | 0.9 | 215 | 201 | 29 | 0.9 | 305 | 208 | 22 | 0.9 |
| 40 | 188 | 42 | 0.9 | 130 | 185 | 45 | 0.9 | 220 | 209 | 21 | 0.9 | 310 | 206 | 24 | 0.9 |
| 45 | 191 | 39 | 0.9 | 135 | 182 | 48 | 0.9 | 225 | 209 | 21 | 0.9 | 315 | 205 | 25 | 0.9 |
| 50 | 186 | 44 | 0.9 | 140 | 189 | 41 | 0.9 | 230 | 215 | 15 | 0.9 | 320 | 201 | 29 | 0.9 |
| 55 | 187 | 43 | 0.9 | 145 | 194 | 36 | 0.9 | 235 | 222 | 8 | 0.9 | 325 | 199 | 31 | 0.9 |
| 60 | 182 | 48 | 0.9 | 150 | 192 | 38 | 0.9 | 240 | 228 | 2 | 0.9 | 330 | 197 | 33 | 0.9 |
| 65 | 176 | 54 | 0.9 | 155 | 194 | 36 | 0.9 | 245 | 231 | -1 | 0.9 | 335 | 188 | 42 | 0.9 |
| 70 | 175 | 55 | 0.9 | 160 | 194 | 36 | 0.9 | 250 | 234 | -4 | 0.9 | 340 | 186 | 44 | 0.9 |
| 75 | 174 | 56 | 0.9 | 165 | 198 | 32 | 0.9 | 255 | 233 | -3 | 0.9 | 345 | 189 | 41 | 0.9 |
| 80 | 174 | 56 | 0.9 | 170 | 196 | 34 | 0.9 | 260 | 229 | 1 | 0.9 | 350 | 193 | 37 | 0.9 |
| 85 | 174 | 56 | 0.9 | 175 | 197 | 33 | 0.9 | 265 | 220 | 10 | 0.9 | 355 | 191 | 39 | 0.9 |

Callsign :
Coordinates : 30-45-34.0 N, 98-40-31.0 W
Frequency (MHz): 88.50000
HAAT (m): -46.18 AMSL (m): 310.00
Elevation (m): 310.00 Tower AGL (m): 0.00
City/State : LLANO, TX
Distance (km): 238
Contour type : F(50,50)
Signal strength : 60.000 dBu
Contour HAAT (m) : -45.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 382 | -72 | 0.0 | 90 | 308 | 2 | 0.0 | 180 | 378 | -68 | 0.0 | 270 | 342 | -32 | 0.0 |
| 5 | 382 | -72 | 0.0 | 95 | 309 | 1 | 0.0 | 185 | 372 | -62 | 0.0 | 275 | 349 | -39 | 0.0 |
| 10 | 382 | -72 | 0.0 | 100 | 305 | 5 | 0.0 | 190 | 370 | -60 | 0.0 | 280 | 356 | -46 | 0.0 |
| 15 | 384 | -74 | 0.0 | 105 | 304 | 6 | 0.0 | 195 | 375 | -65 | 0.0 | 285 | 356 | -46 | 0.0 |
| 20 | 387 | -77 | 0.0 | 110 | 309 | 1 | 0.0 | 200 | 395 | -85 | 0.0 | 290 | 358 | -48 | 0.0 |
| 25 | 368 | -58 | 0.0 | 115 | 318 | -8 | 0.0 | 205 | 398 | -88 | 0.0 | 295 | 357 | -47 | 0.0 |
| 30 | 373 | -63 | 0.0 | 120 | 338 | -28 | 0.0 | 210 | 384 | -74 | 0.0 | 300 | 357 | -47 | 0.0 |
| 35 | 368 | -58 | 0.0 | 125 | 345 | -35 | 0.0 | 215 | 375 | -65 | 0.0 | 305 | 359 | -49 | 0.0 |
| 40 | 348 | -38 | 0.0 | 130 | 355 | -45 | 0.0 | 220 | 365 | -55 | 0.0 | 310 | 361 | -51 | 0.0 |
| 45 | 342 | -32 | 0.0 | 135 | 373 | -63 | 0.0 | 225 | 366 | -56 | 0.0 | 315 | 359 | -49 | 0.0 |
| 50 | 343 | -33 | 0.0 | 140 | 378 | -68 | 0.0 | 230 | 361 | -51 | 0.0 | 320 | 361 | -51 | 0.0 |
| 55 | 329 | -19 | 0.0 | 145 | 380 | -70 | 0.0 | 235 | 351 | -41 | 0.0 | 325 | 363 | -53 | 0.0 |
| 60 | 323 | -13 | 0.0 | 150 | 383 | -73 | 0.0 | 240 | 345 | -35 | 0.0 | 330 | 361 | -51 | 0.0 |
| 65 | 318 | -8 | 0.0 | 155 | 387 | -77 | 0.0 | 245 | 339 | -29 | 0.0 | 335 | 359 | -49 | 0.0 |
| 70 | 316 | -6 | 0.0 | 160 | 388 | -78 | 0.0 | 250 | 332 | -22 | 0.0 | 340 | 366 | -56 | 0.0 |
| 75 | 307 | 3 | 0.0 | 165 | 392 | -82 | 0.0 | 255 | 328 | -18 | 0.0 | 345 | 370 | -60 | 0.0 |
| 80 | 299 | 11 | 0.0 | 170 | 394 | -84 | 0.0 | 260 | 337 | -27 | 0.0 | 350 | 376 | -66 | 0.0 |
| 85 | 301 | 9 | 0.0 | 175 | 392 | -82 | 0.0 | 265 | 341 | -31 | 0.0 | 355 | 390 | -80 | 0.0 |

Contour type : F(50,10)
Signal strength : 40.000 dBu
Contour HAAT (m) : -45.9

317 Contour Overlap

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 382 | -72 | 0.0 | 90 | 308 | 2 | 0.0 | 180 | 378 | -68 | 0.0 | 270 | 342 | -32 | 0.0 |
| 5 | 382 | -72 | 0.0 | 95 | 309 | 1 | 0.0 | 185 | 372 | -62 | 0.0 | 275 | 349 | -39 | 0.0 |
| 10 | 382 | -72 | 0.0 | 100 | 305 | 5 | 0.0 | 190 | 370 | -60 | 0.0 | 280 | 356 | -46 | 0.0 |
| 15 | 384 | -74 | 0.0 | 105 | 304 | 6 | 0.0 | 195 | 375 | -65 | 0.0 | 285 | 356 | -46 | 0.0 |
| 20 | 387 | -77 | 0.0 | 110 | 309 | 1 | 0.0 | 200 | 395 | -85 | 0.0 | 290 | 358 | -48 | 0.0 |
| 25 | 368 | -58 | 0.0 | 115 | 318 | -8 | 0.0 | 205 | 398 | -88 | 0.0 | 295 | 357 | -47 | 0.0 |
| 30 | 373 | -63 | 0.0 | 120 | 338 | -28 | 0.0 | 210 | 384 | -74 | 0.0 | 300 | 357 | -47 | 0.0 |
| 35 | 368 | -58 | 0.0 | 125 | 345 | -35 | 0.0 | 215 | 375 | -65 | 0.0 | 305 | 359 | -49 | 0.0 |
| 40 | 348 | -38 | 0.0 | 130 | 355 | -45 | 0.0 | 220 | 365 | -55 | 0.0 | 310 | 361 | -51 | 0.0 |
| 45 | 342 | -32 | 0.0 | 135 | 373 | -63 | 0.0 | 225 | 366 | -56 | 0.0 | 315 | 359 | -49 | 0.0 |
| 50 | 343 | -33 | 0.0 | 140 | 378 | -68 | 0.0 | 230 | 361 | -51 | 0.0 | 320 | 361 | -51 | 0.0 |
| 55 | 329 | -19 | 0.0 | 145 | 380 | -70 | 0.0 | 235 | 351 | -41 | 0.0 | 325 | 363 | -53 | 0.0 |
| 60 | 323 | -13 | 0.0 | 150 | 383 | -73 | 0.0 | 240 | 345 | -35 | 0.0 | 330 | 361 | -51 | 0.0 |
| 65 | 318 | -8 | 0.0 | 155 | 387 | -77 | 0.0 | 245 | 339 | -29 | 0.0 | 335 | 359 | -49 | 0.0 |
| 70 | 316 | -6 | 0.0 | 160 | 388 | -78 | 0.0 | 250 | 332 | -22 | 0.0 | 340 | 366 | -56 | 0.0 |
| 75 | 307 | 3 | 0.0 | 165 | 392 | -82 | 0.0 | 255 | 328 | -18 | 0.0 | 345 | 370 | -60 | 0.0 |
| 80 | 299 | 11 | 0.0 | 170 | 394 | -84 | 0.0 | 260 | 337 | -27 | 0.0 | 350 | 376 | -66 | 0.0 |
| 85 | 301 | 9 | 0.0 | 175 | 392 | -82 | 0.0 | 265 | 341 | -31 | 0.0 | 355 | 390 | -80 | 0.0 |

Callsign : KBMD
 Coordinates : 30-33-12.0 N, 98-15-30.0 W
 Frequency (MHz): 88.50000
 HAAT (m): 24.40 AMSL (m): 318.00
 Elevation (m): 250.00 Tower AGL (m): 68.00
 ERP (w): 6000
 TX power (w): 6 Gain (dB): 0.00
 City/State : MARBLE FALLS, TX
 Distance (km): 255
 Licensee : MEDIA FOR THE HOLY FAMILY FOUNDATION

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 26.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 321 | -3 | 14.1 | 90 | 248 | 70 | 11.3 | 180 | 321 | -3 | 15.8 | 270 | 258 | 60 | 22.4 |
| 5 | 311 | 7 | 13.4 | 95 | 244 | 74 | 12.2 | 185 | 321 | -3 | 15.8 | 275 | 246 | 72 | 24.3 |
| 10 | 300 | 18 | 12.7 | 100 | 232 | 86 | 13.7 | 190 | 333 | -15 | 15.8 | 280 | 245 | 73 | 24.4 |
| 15 | 286 | 32 | 12.4 | 105 | 226 | 92 | 15.1 | 195 | 339 | -21 | 15.8 | 285 | 246 | 72 | 24.3 |
| 20 | 281 | 37 | 12.5 | 110 | 232 | 86 | 15.4 | 200 | 343 | -25 | 15.8 | 290 | 249 | 69 | 23.8 |
| 25 | 289 | 29 | 10.9 | 115 | 229 | 89 | 16.7 | 205 | 344 | -26 | 15.8 | 295 | 253 | 65 | 23.2 |
| 30 | 305 | 13 | 10.3 | 120 | 233 | 85 | 17.2 | 210 | 346 | -28 | 15.8 | 300 | 258 | 60 | 22.4 |
| 35 | 313 | 5 | 9.8 | 125 | 243 | 75 | 17.1 | 215 | 355 | -37 | 15.8 | 305 | 261 | 57 | 21.9 |
| 40 | 311 | 7 | 9.3 | 130 | 255 | 63 | 16.5 | 220 | 362 | -44 | 15.8 | 310 | 266 | 52 | 21.0 |
| 45 | 304 | 14 | 8.8 | 135 | 263 | 55 | 16.3 | 225 | 359 | -41 | 15.8 | 315 | 276 | 42 | 18.7 |
| 50 | 302 | 16 | 8.2 | 140 | 268 | 50 | 16.4 | 230 | 352 | -34 | 15.8 | 320 | 280 | 38 | 17.8 |
| 55 | 299 | 19 | 7.8 | 145 | 279 | 39 | 15.2 | 235 | 348 | -30 | 15.8 | 325 | 286 | 32 | 16.2 |
| 60 | 303 | 15 | 7.4 | 150 | 289 | 29 | 14.1 | 240 | 339 | -21 | 15.8 | 330 | 292 | 26 | 15.8 |
| 65 | 291 | 27 | 7.1 | 155 | 302 | 16 | 14.7 | 245 | 329 | -11 | 15.8 | 335 | 300 | 18 | 15.8 |
| 70 | 281 | 37 | 7.5 | 160 | 319 | -1 | 15.2 | 250 | 317 | 1 | 15.8 | 340 | 303 | 15 | 15.8 |
| 75 | 271 | 47 | 8.6 | 165 | 331 | -13 | 15.5 | 255 | 288 | 30 | 15.8 | 345 | 305 | 13 | 15.5 |
| 80 | 266 | 52 | 9.1 | 170 | 326 | -8 | 15.8 | 260 | 269 | 49 | 20.3 | 350 | 316 | 2 | 15.2 |
| 85 | 256 | 62 | 10.3 | 175 | 325 | -7 | 15.8 | 265 | 264 | 54 | 21.4 | 355 | 321 | -3 | 14.7 |

Contour type : F(50,10)
 Signal strength : 40.000 dBu
 Contour HAAT (m) : 26.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 321 | -3 | 58.9 | 90 | 248 | 70 | 38.6 | 180 | 321 | -3 | 68.3 | 270 | 258 | 60 | 79.0 |
| 5 | 311 | 7 | 54.6 | 95 | 244 | 74 | 42.1 | 185 | 321 | -3 | 68.3 | 275 | 246 | 72 | 81.5 |
| 10 | 300 | 18 | 49.9 | 100 | 232 | 86 | 47.5 | 190 | 333 | -15 | 68.3 | 280 | 245 | 73 | 81.7 |
| 15 | 286 | 32 | 47.5 | 105 | 226 | 92 | 51.8 | 195 | 339 | -21 | 68.3 | 285 | 246 | 72 | 81.5 |
| 20 | 281 | 37 | 46.9 | 110 | 232 | 86 | 53.0 | 200 | 343 | -25 | 68.3 | 290 | 249 | 69 | 80.9 |
| 25 | 289 | 29 | 39.3 | 115 | 229 | 89 | 56.4 | 205 | 344 | -26 | 68.3 | 295 | 253 | 65 | 80.1 |
| 30 | 305 | 13 | 36.4 | 120 | 233 | 85 | 58.0 | 210 | 346 | -28 | 68.3 | 300 | 258 | 60 | 79.0 |
| 35 | 313 | 5 | 34.0 | 125 | 243 | 75 | 58.6 | 215 | 355 | -37 | 68.3 | 305 | 261 | 57 | 78.2 |
| 40 | 311 | 7 | 31.6 | 130 | 255 | 63 | 58.4 | 220 | 362 | -44 | 68.3 | 310 | 266 | 52 | 76.9 |
| 45 | 304 | 14 | 29.4 | 135 | 263 | 55 | 59.4 | 225 | 359 | -41 | 68.3 | 315 | 276 | 42 | 73.8 |
| 50 | 302 | 16 | 27.5 | 140 | 268 | 50 | 60.9 | 230 | 352 | -34 | 68.3 | 320 | 280 | 38 | 72.2 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|----|------|
| 55 | 299 | 19 | 26.1 | 145 | 279 | 39 | 60.0 | 235 | 348 | -30 | 68.3 | 325 | 286 | 32 | 69.4 |
| 60 | 303 | 15 | 24.7 | 150 | 289 | 29 | 58.9 | 240 | 339 | -21 | 68.3 | 330 | 292 | 26 | 68.3 |
| 65 | 291 | 27 | 23.8 | 155 | 302 | 16 | 62.2 | 245 | 329 | -11 | 68.3 | 335 | 300 | 18 | 68.3 |
| 70 | 281 | 37 | 25.2 | 160 | 319 | -1 | 65.4 | 250 | 317 | 1 | 68.3 | 340 | 303 | 15 | 68.3 |
| 75 | 271 | 47 | 28.5 | 165 | 331 | -13 | 66.9 | 255 | 288 | 30 | 68.3 | 345 | 305 | 13 | 66.9 |
| 80 | 266 | 52 | 30.2 | 170 | 326 | -8 | 68.3 | 260 | 269 | 49 | 76.1 | 350 | 316 | 2 | 65.4 |
| 85 | 256 | 62 | 34.9 | 175 | 325 | -7 | 68.3 | 265 | 264 | 54 | 77.5 | 355 | 321 | -3 | 62.2 |

Callsign : KGNZ
 Coordinates : 32-17-46.0 N, 99-43-01.0 W
 Frequency (MHz): 88.10000
 HAAT (m): 213.56 AMSL (m): 809.00
 Elevation (m): 630.00 Tower AGL (m): 179.00
 ERP (w): 75000
 TX power (w): 75 Gain (dB): 0.00
 City/State : ABILENE, TX
 Distance (km): 162
 Licensee : CHRISTIAN BROADCASTING CO., INC.

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 213.8

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 542 | 267 | 66.8 | 90 | 602 | 207 | 61.7 | 180 | 626 | 183 | 59.5 | 270 | 612 | 197 | 60.8 |
| 5 | 542 | 267 | 66.8 | 95 | 618 | 191 | 60.3 | 185 | 621 | 188 | 60.0 | 275 | 609 | 200 | 61.1 |
| 10 | 544 | 265 | 66.7 | 100 | 638 | 171 | 58.4 | 190 | 618 | 191 | 60.3 | 280 | 591 | 218 | 62.7 |
| 15 | 546 | 263 | 66.5 | 105 | 639 | 170 | 58.3 | 195 | 615 | 194 | 60.5 | 285 | 577 | 232 | 64.0 |
| 20 | 547 | 262 | 66.4 | 110 | 622 | 187 | 59.9 | 200 | 615 | 194 | 60.5 | 290 | 576 | 233 | 64.0 |
| 25 | 549 | 260 | 66.2 | 115 | 625 | 184 | 59.6 | 205 | 617 | 192 | 60.4 | 295 | 573 | 236 | 64.3 |
| 30 | 552 | 257 | 66.0 | 120 | 622 | 187 | 59.9 | 210 | 613 | 196 | 60.7 | 300 | 565 | 244 | 64.9 |
| 35 | 554 | 255 | 65.8 | 125 | 624 | 185 | 59.7 | 215 | 611 | 198 | 60.9 | 305 | 565 | 244 | 64.9 |
| 40 | 559 | 250 | 65.4 | 130 | 632 | 177 | 59.0 | 220 | 608 | 201 | 61.2 | 310 | 559 | 250 | 65.4 |
| 45 | 565 | 244 | 64.9 | 135 | 645 | 164 | 57.6 | 225 | 614 | 195 | 60.6 | 315 | 558 | 251 | 65.5 |
| 50 | 568 | 241 | 64.7 | 140 | 656 | 153 | 56.2 | 230 | 617 | 192 | 60.4 | 320 | 555 | 254 | 65.8 |
| 55 | 572 | 237 | 64.4 | 145 | 668 | 141 | 54.6 | 235 | 615 | 194 | 60.5 | 325 | 554 | 255 | 65.8 |
| 60 | 575 | 234 | 64.1 | 150 | 677 | 132 | 53.4 | 240 | 616 | 193 | 60.5 | 330 | 553 | 256 | 65.9 |
| 65 | 579 | 230 | 63.8 | 155 | 656 | 153 | 56.2 | 245 | 616 | 193 | 60.5 | 335 | 552 | 257 | 66.0 |
| 70 | 580 | 229 | 63.7 | 160 | 651 | 158 | 56.9 | 250 | 611 | 198 | 60.9 | 340 | 549 | 260 | 66.2 |
| 75 | 586 | 223 | 63.2 | 165 | 639 | 170 | 58.3 | 255 | 599 | 210 | 62.0 | 345 | 548 | 261 | 66.3 |
| 80 | 589 | 220 | 62.9 | 170 | 635 | 174 | 58.7 | 260 | 606 | 203 | 61.4 | 350 | 542 | 267 | 66.8 |
| 85 | 598 | 211 | 62.1 | 175 | 635 | 174 | 58.7 | 265 | 603 | 206 | 61.7 | 355 | 543 | 266 | 66.7 |

Contour type : F(50,10)
 Signal strength : 100.000 dBu
 Contour HAAT (m) : 213.8

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 542 | 267 | 8.9 | 90 | 602 | 207 | 7.8 | 180 | 626 | 183 | 7.3 | 270 | 612 | 197 | 7.6 |
| 5 | 542 | 267 | 8.9 | 95 | 618 | 191 | 7.4 | 185 | 621 | 188 | 7.4 | 275 | 609 | 200 | 7.6 |
| 10 | 544 | 265 | 8.8 | 100 | 638 | 171 | 7.1 | 190 | 618 | 191 | 7.4 | 280 | 591 | 218 | 8.0 |
| 15 | 546 | 263 | 8.8 | 105 | 639 | 170 | 7.0 | 195 | 615 | 194 | 7.5 | 285 | 577 | 232 | 8.2 |
| 20 | 547 | 262 | 8.8 | 110 | 622 | 187 | 7.4 | 200 | 615 | 194 | 7.5 | 290 | 576 | 233 | 8.3 |
| 25 | 549 | 260 | 8.7 | 115 | 625 | 184 | 7.3 | 205 | 617 | 192 | 7.5 | 295 | 573 | 236 | 8.3 |
| 30 | 552 | 257 | 8.7 | 120 | 622 | 187 | 7.4 | 210 | 613 | 196 | 7.5 | 300 | 565 | 244 | 8.5 |
| 35 | 554 | 255 | 8.6 | 125 | 624 | 185 | 7.3 | 215 | 611 | 198 | 7.6 | 305 | 565 | 244 | 8.5 |
| 40 | 559 | 250 | 8.6 | 130 | 632 | 177 | 7.2 | 220 | 608 | 201 | 7.6 | 310 | 559 | 250 | 8.6 |
| 45 | 565 | 244 | 8.5 | 135 | 645 | 164 | 6.9 | 225 | 614 | 195 | 7.5 | 315 | 558 | 251 | 8.6 |
| 50 | 568 | 241 | 8.4 | 140 | 656 | 153 | 6.7 | 230 | 617 | 192 | 7.5 | 320 | 555 | 254 | 8.6 |
| 55 | 572 | 237 | 8.3 | 145 | 668 | 141 | 6.4 | 235 | 615 | 194 | 7.5 | 325 | 554 | 255 | 8.6 |
| 60 | 575 | 234 | 8.3 | 150 | 677 | 132 | 6.2 | 240 | 616 | 193 | 7.5 | 330 | 553 | 256 | 8.7 |
| 65 | 579 | 230 | 8.2 | 155 | 656 | 153 | 6.7 | 245 | 616 | 193 | 7.5 | 335 | 552 | 257 | 8.7 |
| 70 | 580 | 229 | 8.2 | 160 | 651 | 158 | 6.8 | 250 | 611 | 198 | 7.6 | 340 | 549 | 260 | 8.7 |
| 75 | 586 | 223 | 8.1 | 165 | 639 | 170 | 7.0 | 255 | 599 | 210 | 7.8 | 345 | 548 | 261 | 8.8 |
| 80 | 589 | 220 | 8.0 | 170 | 635 | 174 | 7.1 | 260 | 606 | 203 | 7.7 | 350 | 542 | 267 | 8.9 |
| 85 | 598 | 211 | 7.8 | 175 | 635 | 174 | 7.1 | 265 | 603 | 206 | 7.7 | 355 | 543 | 266 | 8.8 |

Callsign : None
 Coordinates : 34-26-51.0 N, 98-24-28.0 W
 Frequency (MHz): 88.30000
 HAAT (m): 94.64 AMSL (m): 417.00

317 Contour Overlap

Elevation (m): 320.00 Tower AGL (m): 97.00
 ERP (w): 900
 TX power (w): 1 Gain (dB): 0.00
 City/State : GERONIMO, OK
 Distance (km): 179
 Licensee : PENSACOLA CHRISTIAN COLLEGE, INC.

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 94.5

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 333 | 84 | 16.4 | 90 | 318 | 99 | 18.0 | 180 | 310 | 107 | 18.8 | 270 | 328 | 89 | 16.9 |
| 5 | 328 | 89 | 16.9 | 95 | 317 | 100 | 18.1 | 185 | 310 | 107 | 18.8 | 275 | 331 | 86 | 16.6 |
| 10 | 324 | 93 | 17.4 | 100 | 313 | 104 | 18.5 | 190 | 311 | 106 | 18.7 | 280 | 331 | 86 | 16.6 |
| 15 | 322 | 95 | 17.6 | 105 | 313 | 104 | 18.5 | 195 | 312 | 105 | 18.6 | 285 | 332 | 85 | 16.5 |
| 20 | 327 | 90 | 17.0 | 110 | 309 | 108 | 18.9 | 200 | 311 | 106 | 18.7 | 290 | 333 | 84 | 16.4 |
| 25 | 327 | 90 | 17.0 | 115 | 304 | 113 | 19.3 | 205 | 312 | 105 | 18.6 | 295 | 333 | 84 | 16.4 |
| 30 | 327 | 90 | 17.0 | 120 | 301 | 116 | 19.6 | 210 | 314 | 103 | 18.4 | 300 | 336 | 81 | 16.0 |
| 35 | 327 | 90 | 17.0 | 125 | 298 | 119 | 19.8 | 215 | 318 | 99 | 18.0 | 305 | 336 | 81 | 16.0 |
| 40 | 330 | 87 | 16.7 | 130 | 299 | 118 | 19.7 | 220 | 318 | 99 | 18.0 | 310 | 338 | 79 | 15.8 |
| 45 | 328 | 89 | 16.9 | 135 | 304 | 113 | 19.3 | 225 | 317 | 100 | 18.1 | 315 | 341 | 76 | 15.5 |
| 50 | 325 | 92 | 17.2 | 140 | 311 | 106 | 18.7 | 230 | 316 | 101 | 18.2 | 320 | 342 | 75 | 15.3 |
| 55 | 325 | 92 | 17.2 | 145 | 314 | 103 | 18.4 | 235 | 318 | 99 | 18.0 | 325 | 342 | 75 | 15.3 |
| 60 | 327 | 90 | 17.0 | 150 | 321 | 96 | 17.7 | 240 | 320 | 97 | 17.8 | 330 | 339 | 78 | 15.7 |
| 65 | 326 | 91 | 17.1 | 155 | 323 | 94 | 17.5 | 245 | 322 | 95 | 17.6 | 335 | 339 | 78 | 15.7 |
| 70 | 322 | 95 | 17.6 | 160 | 324 | 93 | 17.4 | 250 | 324 | 93 | 17.4 | 340 | 334 | 83 | 16.2 |
| 75 | 324 | 93 | 17.4 | 165 | 323 | 94 | 17.5 | 255 | 325 | 92 | 17.2 | 345 | 333 | 84 | 16.4 |
| 80 | 323 | 94 | 17.5 | 170 | 314 | 103 | 18.4 | 260 | 323 | 94 | 17.5 | 350 | 330 | 87 | 16.7 |
| 85 | 322 | 95 | 17.6 | 175 | 313 | 104 | 18.5 | 265 | 325 | 92 | 17.2 | 355 | 331 | 86 | 16.6 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Contour HAAT (m) : 94.5

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 333 | 84 | 24.3 | 90 | 318 | 99 | 26.5 | 180 | 310 | 107 | 27.6 | 270 | 328 | 89 | 25.1 |
| 5 | 328 | 89 | 25.1 | 95 | 317 | 100 | 26.7 | 185 | 310 | 107 | 27.6 | 275 | 331 | 86 | 24.6 |
| 10 | 324 | 93 | 25.7 | 100 | 313 | 104 | 27.2 | 190 | 311 | 106 | 27.5 | 280 | 331 | 86 | 24.6 |
| 15 | 322 | 95 | 25.9 | 105 | 313 | 104 | 27.2 | 195 | 312 | 105 | 27.4 | 285 | 332 | 85 | 24.5 |
| 20 | 327 | 90 | 25.2 | 110 | 309 | 108 | 27.8 | 200 | 311 | 106 | 27.5 | 290 | 333 | 84 | 24.3 |
| 25 | 327 | 90 | 25.2 | 115 | 304 | 113 | 28.4 | 205 | 312 | 105 | 27.4 | 295 | 333 | 84 | 24.3 |
| 30 | 327 | 90 | 25.2 | 120 | 301 | 116 | 28.8 | 210 | 314 | 103 | 27.1 | 300 | 336 | 81 | 23.8 |
| 35 | 327 | 90 | 25.2 | 125 | 298 | 119 | 29.1 | 215 | 318 | 99 | 26.5 | 305 | 336 | 81 | 23.8 |
| 40 | 330 | 87 | 24.8 | 130 | 299 | 118 | 29.0 | 220 | 318 | 99 | 26.5 | 310 | 338 | 79 | 23.5 |
| 45 | 328 | 89 | 25.1 | 135 | 304 | 113 | 28.4 | 225 | 317 | 100 | 26.7 | 315 | 341 | 76 | 23.1 |
| 50 | 325 | 92 | 25.5 | 140 | 311 | 106 | 27.5 | 230 | 316 | 101 | 26.8 | 320 | 342 | 75 | 22.9 |
| 55 | 325 | 92 | 25.5 | 145 | 314 | 103 | 27.1 | 235 | 318 | 99 | 26.5 | 325 | 342 | 75 | 22.9 |
| 60 | 327 | 90 | 25.2 | 150 | 321 | 96 | 26.1 | 240 | 320 | 97 | 26.2 | 330 | 339 | 78 | 23.4 |
| 65 | 326 | 91 | 25.4 | 155 | 323 | 94 | 25.8 | 245 | 322 | 95 | 25.9 | 335 | 339 | 78 | 23.4 |
| 70 | 322 | 95 | 25.9 | 160 | 324 | 93 | 25.7 | 250 | 324 | 93 | 25.7 | 340 | 334 | 83 | 24.2 |
| 75 | 324 | 93 | 25.7 | 165 | 323 | 94 | 25.8 | 255 | 325 | 92 | 25.5 | 345 | 333 | 84 | 24.3 |
| 80 | 323 | 94 | 25.8 | 170 | 314 | 103 | 27.1 | 260 | 323 | 94 | 25.8 | 350 | 330 | 87 | 24.8 |
| 85 | 322 | 95 | 25.9 | 175 | 313 | 104 | 27.2 | 265 | 325 | 92 | 25.5 | 355 | 331 | 86 | 24.6 |

Callsign : KAZC
 Coordinates : 34-21-34.0 N, 96-33-34.0 W
 Frequency (MHz): 88.30000
 HAAT (m): 281.26 AMSL (m): 527.00
 Elevation (m): 260.00 Tower AGL (m): 267.00
 ERP (w): 5500
 TX power (w): 6 Gain (dB): 0.00
 City/State : TISHOMINGO, OK
 Distance (km): 220
 Licensee : SOUTH CENTRAL OKLAHOMA CHRISTIAN BROADCASTING, INC.

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 279.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 270 | 257 | 42.1 | 90 | 227 | 300 | 44.7 | 180 | 226 | 301 | 44.8 | 270 | 268 | 259 | 42.2 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
| 5 | 268 | 259 | 42.2 | 95 | 231 | 296 | 44.5 | 185 | 229 | 298 | 44.6 | 275 | 275 | 252 | 41.8 |
| 10 | 269 | 258 | 42.2 | 100 | 223 | 304 | 45.0 | 190 | 231 | 296 | 44.5 | 280 | 283 | 244 | 41.3 |
| 15 | 271 | 256 | 42.0 | 105 | 225 | 302 | 44.8 | 195 | 231 | 296 | 44.5 | 285 | 288 | 239 | 40.9 |
| 20 | 260 | 267 | 42.7 | 110 | 226 | 301 | 44.8 | 200 | 231 | 296 | 44.5 | 290 | 292 | 235 | 40.7 |
| 25 | 255 | 272 | 43.0 | 115 | 226 | 301 | 44.8 | 205 | 232 | 295 | 44.4 | 295 | 295 | 232 | 40.5 |
| 30 | 247 | 280 | 43.5 | 120 | 231 | 296 | 44.5 | 210 | 231 | 296 | 44.5 | 300 | 295 | 232 | 40.5 |
| 35 | 235 | 292 | 44.3 | 125 | 232 | 295 | 44.4 | 215 | 233 | 294 | 44.4 | 305 | 299 | 228 | 40.2 |
| 40 | 226 | 301 | 44.8 | 130 | 231 | 296 | 44.5 | 220 | 239 | 288 | 44.0 | 310 | 298 | 229 | 40.3 |
| 45 | 216 | 311 | 45.4 | 135 | 227 | 300 | 44.7 | 225 | 239 | 288 | 44.0 | 315 | 293 | 234 | 40.6 |
| 50 | 208 | 319 | 45.9 | 140 | 225 | 302 | 44.8 | 230 | 243 | 284 | 43.8 | 320 | 292 | 235 | 40.7 |
| 55 | 208 | 319 | 45.9 | 145 | 224 | 303 | 44.9 | 235 | 245 | 282 | 43.7 | 325 | 295 | 232 | 40.5 |
| 60 | 207 | 320 | 46.0 | 150 | 228 | 299 | 44.7 | 240 | 251 | 276 | 43.3 | 330 | 292 | 235 | 40.7 |
| 65 | 208 | 319 | 45.9 | 155 | 229 | 298 | 44.6 | 245 | 255 | 272 | 43.0 | 335 | 291 | 236 | 40.7 |
| 70 | 204 | 323 | 46.2 | 160 | 226 | 301 | 44.8 | 250 | 259 | 268 | 42.8 | 340 | 289 | 238 | 40.9 |
| 75 | 214 | 313 | 45.5 | 165 | 223 | 304 | 45.0 | 255 | 261 | 266 | 42.7 | 345 | 295 | 232 | 40.5 |
| 80 | 214 | 313 | 45.5 | 170 | 222 | 305 | 45.0 | 260 | 266 | 261 | 42.4 | 350 | 291 | 236 | 40.7 |
| 85 | 219 | 308 | 45.2 | 175 | 225 | 302 | 44.8 | 265 | 266 | 261 | 42.4 | 355 | 277 | 250 | 41.7 |

Contour type : F(50,10)
Signal strength : 54.000 dBu
Contour HAAT (m) : 279.0

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 270 | 257 | 62.4 | 90 | 227 | 300 | 66.4 | 180 | 226 | 301 | 66.5 | 270 | 268 | 259 | 62.6 |
| 5 | 268 | 259 | 62.6 | 95 | 231 | 296 | 66.1 | 185 | 229 | 298 | 66.3 | 275 | 275 | 252 | 61.9 |
| 10 | 269 | 258 | 62.5 | 100 | 223 | 304 | 66.8 | 190 | 231 | 296 | 66.1 | 280 | 283 | 244 | 61.1 |
| 15 | 271 | 256 | 62.3 | 105 | 225 | 302 | 66.6 | 195 | 231 | 296 | 66.1 | 285 | 288 | 239 | 60.6 |
| 20 | 260 | 267 | 63.3 | 110 | 226 | 301 | 66.5 | 200 | 231 | 296 | 66.1 | 290 | 292 | 235 | 60.2 |
| 25 | 255 | 272 | 63.8 | 115 | 226 | 301 | 66.5 | 205 | 232 | 295 | 66.0 | 295 | 295 | 232 | 59.9 |
| 30 | 247 | 280 | 64.6 | 120 | 231 | 296 | 66.1 | 210 | 231 | 296 | 66.1 | 300 | 295 | 232 | 59.9 |
| 35 | 235 | 292 | 65.7 | 125 | 232 | 295 | 66.0 | 215 | 233 | 294 | 65.9 | 305 | 299 | 228 | 59.5 |
| 40 | 226 | 301 | 66.5 | 130 | 231 | 296 | 66.1 | 220 | 239 | 288 | 65.3 | 310 | 298 | 229 | 59.6 |
| 45 | 216 | 311 | 67.5 | 135 | 227 | 300 | 66.4 | 225 | 239 | 288 | 65.3 | 315 | 293 | 234 | 60.1 |
| 50 | 208 | 319 | 68.2 | 140 | 225 | 302 | 66.6 | 230 | 243 | 284 | 64.9 | 320 | 292 | 235 | 60.2 |
| 55 | 208 | 319 | 68.2 | 145 | 224 | 303 | 66.7 | 235 | 245 | 282 | 64.7 | 325 | 295 | 232 | 59.9 |
| 60 | 207 | 320 | 68.3 | 150 | 228 | 299 | 66.3 | 240 | 251 | 276 | 64.2 | 330 | 292 | 235 | 60.2 |
| 65 | 208 | 319 | 68.2 | 155 | 229 | 298 | 66.3 | 245 | 255 | 272 | 63.8 | 335 | 291 | 236 | 60.3 |
| 70 | 204 | 323 | 68.6 | 160 | 226 | 301 | 66.5 | 250 | 259 | 268 | 63.4 | 340 | 289 | 238 | 60.5 |
| 75 | 214 | 313 | 67.7 | 165 | 223 | 304 | 66.8 | 255 | 261 | 266 | 63.2 | 345 | 295 | 232 | 59.9 |
| 80 | 214 | 313 | 67.7 | 170 | 222 | 305 | 66.9 | 260 | 266 | 261 | 62.8 | 350 | 291 | 236 | 60.3 |
| 85 | 219 | 308 | 67.2 | 175 | 225 | 302 | 66.6 | 265 | 266 | 261 | 62.8 | 355 | 277 | 250 | 61.7 |

Callsign : 960404MB
Coordinates : 34-46-32.0 N, 96-35-15.0 W
Comments : Amended 961203
Frequency (MHz): 88.70000
HAAT (m): 71.64 AMSL (m): 339.00
Elevation (m): 300.00 Tower AGL (m): 39.00
ERP (w): 31000
TX power (w): 31 Gain (dB): 0.00
City/State : ADA, OK
Distance (km): 256
Licensee : AMERICAN FAMILY ASSOCIATION

Contour type : F(50,50)
Signal strength : 60.000 dBu
Contour HAAT (m) : 72.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 276 | 63 | 33.5 | 90 | 248 | 91 | 39.2 | 180 | 247 | 92 | 39.4 | 270 | 293 | 46 | 28.8 |
| 5 | 263 | 76 | 36.3 | 95 | 254 | 85 | 38.1 | 185 | 248 | 91 | 39.2 | 275 | 294 | 45 | 28.5 |
| 10 | 258 | 81 | 37.3 | 100 | 257 | 82 | 37.5 | 190 | 243 | 96 | 40.1 | 280 | 294 | 45 | 28.5 |
| 15 | 257 | 82 | 37.5 | 105 | 253 | 86 | 38.3 | 195 | 249 | 90 | 39.0 | 285 | 299 | 40 | 26.9 |
| 20 | 266 | 73 | 35.6 | 110 | 252 | 87 | 38.5 | 200 | 254 | 85 | 38.1 | 290 | 294 | 45 | 28.5 |
| 25 | 263 | 76 | 36.3 | 115 | 251 | 88 | 38.7 | 205 | 259 | 80 | 37.1 | 295 | 294 | 45 | 28.5 |
| 30 | 251 | 88 | 38.7 | 120 | 243 | 96 | 40.1 | 210 | 261 | 78 | 36.7 | 300 | 291 | 48 | 29.3 |
| 35 | 263 | 76 | 36.3 | 125 | 242 | 97 | 40.3 | 215 | 266 | 73 | 35.6 | 305 | 289 | 50 | 29.9 |
| 40 | 270 | 69 | 34.8 | 130 | 244 | 95 | 39.9 | 220 | 274 | 65 | 33.9 | 310 | 279 | 60 | 32.7 |
| 45 | 270 | 69 | 34.8 | 135 | 248 | 91 | 39.2 | 225 | 277 | 62 | 33.2 | 315 | 281 | 58 | 32.2 |
| 50 | 267 | 72 | 35.4 | 140 | 243 | 96 | 40.1 | 230 | 285 | 54 | 31.2 | 320 | 288 | 51 | 30.2 |
| 55 | 263 | 76 | 36.3 | 145 | 234 | 105 | 41.6 | 235 | 298 | 41 | 27.2 | 325 | 291 | 48 | 29.3 |
| 60 | 254 | 85 | 38.1 | 150 | 233 | 106 | 41.8 | 240 | 315 | 24 | 23.8 | 330 | 288 | 51 | 30.2 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|----|------|-----|-----|-----|------|-----|-----|----|------|-----|-----|----|------|
| 65 | 248 | 91 | 39.2 | 155 | 226 | 113 | 42.9 | 245 | 308 | 31 | 24.1 | 335 | 283 | 56 | 31.7 |
| 70 | 249 | 90 | 39.0 | 160 | 226 | 113 | 42.9 | 250 | 303 | 36 | 25.7 | 340 | 276 | 63 | 33.5 |
| 75 | 247 | 92 | 39.4 | 165 | 234 | 105 | 41.6 | 255 | 297 | 42 | 27.5 | 345 | 281 | 58 | 32.2 |
| 80 | 242 | 97 | 40.3 | 170 | 242 | 97 | 40.3 | 260 | 293 | 46 | 28.8 | 350 | 278 | 61 | 33.0 |
| 85 | 244 | 95 | 39.9 | 175 | 246 | 93 | 39.6 | 265 | 292 | 47 | 29.0 | 355 | 273 | 66 | 34.1 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Contour HAAT (m) : 72.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 276 | 63 | 54.6 | 90 | 248 | 91 | 61.2 | 180 | 247 | 92 | 61.4 | 270 | 293 | 46 | 48.0 |
| 5 | 263 | 76 | 57.9 | 95 | 254 | 85 | 59.9 | 185 | 248 | 91 | 61.2 | 275 | 294 | 45 | 47.4 |
| 10 | 258 | 81 | 59.1 | 100 | 257 | 82 | 59.3 | 190 | 243 | 96 | 62.2 | 280 | 294 | 45 | 47.4 |
| 15 | 257 | 82 | 59.3 | 105 | 253 | 86 | 60.1 | 195 | 249 | 90 | 61.0 | 285 | 299 | 40 | 44.5 |
| 20 | 266 | 73 | 57.2 | 110 | 252 | 87 | 60.4 | 200 | 254 | 85 | 59.9 | 290 | 294 | 45 | 47.4 |
| 25 | 263 | 76 | 57.9 | 115 | 251 | 88 | 60.6 | 205 | 259 | 80 | 58.8 | 295 | 294 | 45 | 47.4 |
| 30 | 251 | 88 | 60.6 | 120 | 243 | 96 | 62.2 | 210 | 261 | 78 | 58.4 | 300 | 291 | 48 | 48.9 |
| 35 | 263 | 76 | 57.9 | 125 | 242 | 97 | 62.5 | 215 | 266 | 73 | 57.2 | 305 | 289 | 50 | 49.9 |
| 40 | 270 | 69 | 56.2 | 130 | 244 | 95 | 62.0 | 220 | 274 | 65 | 55.1 | 310 | 279 | 60 | 53.7 |
| 45 | 270 | 69 | 56.2 | 135 | 248 | 91 | 61.2 | 225 | 277 | 62 | 54.3 | 315 | 281 | 58 | 53.0 |
| 50 | 267 | 72 | 57.0 | 140 | 243 | 96 | 62.2 | 230 | 285 | 54 | 51.6 | 320 | 288 | 51 | 50.3 |
| 55 | 263 | 76 | 57.9 | 145 | 234 | 105 | 64.0 | 235 | 298 | 41 | 45.0 | 325 | 291 | 48 | 48.9 |
| 60 | 254 | 85 | 59.9 | 150 | 233 | 106 | 64.1 | 240 | 315 | 24 | 38.4 | 330 | 288 | 51 | 50.3 |
| 65 | 248 | 91 | 61.2 | 155 | 226 | 113 | 65.4 | 245 | 308 | 31 | 39.0 | 335 | 283 | 56 | 52.3 |
| 70 | 249 | 90 | 61.0 | 160 | 226 | 113 | 65.4 | 250 | 303 | 36 | 42.1 | 340 | 276 | 63 | 54.6 |
| 75 | 247 | 92 | 61.4 | 165 | 234 | 105 | 64.0 | 255 | 297 | 42 | 45.6 | 345 | 281 | 58 | 53.0 |
| 80 | 242 | 97 | 62.5 | 170 | 242 | 97 | 62.5 | 260 | 293 | 46 | 48.0 | 350 | 278 | 61 | 54.0 |
| 85 | 244 | 95 | 62.0 | 175 | 246 | 93 | 61.6 | 265 | 292 | 47 | 48.5 | 355 | 273 | 66 | 55.4 |

Callsign : None
 Coordinates : 30-59-49.0 N, 98-05-46.0 W
 Frequency (MHz): 88.30000
 HAAT (m): 71.04 AMSL (m): 407.00
 Elevation (m): 370.00 Tower AGL (m): 37.00
 ERP (w): 600
 TX power (w): 1 Gain (dB): 0.00
 City/State : LAMPASAS, TX
 Distance (km): 206
 Licensee : LIFETALK BROADCASTING ASSOCIATION

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 69.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 307 | 100 | 16.2 | 90 | 288 | 119 | 17.8 | 180 | 364 | 43 | 10.6 | 270 | 376 | 31 | 9.1 |
| 5 | 297 | 110 | 17.1 | 95 | 309 | 98 | 16.0 | 185 | 364 | 43 | 10.6 | 275 | 370 | 37 | 9.8 |
| 10 | 293 | 114 | 17.4 | 100 | 312 | 95 | 15.7 | 190 | 369 | 38 | 10.0 | 280 | 365 | 42 | 10.5 |
| 15 | 289 | 118 | 17.8 | 105 | 311 | 96 | 15.8 | 195 | 379 | 28 | 8.9 | 285 | 356 | 51 | 11.6 |
| 20 | 292 | 115 | 17.5 | 110 | 315 | 92 | 15.4 | 200 | 385 | 22 | 8.9 | 290 | 350 | 57 | 12.2 |
| 25 | 294 | 113 | 17.3 | 115 | 311 | 96 | 15.8 | 205 | 388 | 19 | 8.9 | 295 | 346 | 61 | 12.6 |
| 30 | 291 | 116 | 17.6 | 120 | 312 | 95 | 15.7 | 210 | 394 | 13 | 8.9 | 300 | 346 | 61 | 12.6 |
| 35 | 290 | 117 | 17.7 | 125 | 309 | 98 | 16.0 | 215 | 397 | 10 | 8.9 | 305 | 346 | 61 | 12.6 |
| 40 | 296 | 111 | 17.2 | 130 | 316 | 91 | 15.3 | 220 | 406 | 1 | 8.9 | 310 | 339 | 68 | 13.2 |
| 45 | 297 | 110 | 17.1 | 135 | 310 | 97 | 15.9 | 225 | 412 | -5 | 8.9 | 315 | 333 | 74 | 13.8 |
| 50 | 298 | 109 | 17.0 | 140 | 320 | 87 | 14.9 | 230 | 420 | -13 | 8.9 | 320 | 334 | 73 | 13.7 |
| 55 | 295 | 112 | 17.3 | 145 | 331 | 76 | 13.9 | 235 | 413 | -6 | 8.9 | 325 | 328 | 79 | 14.2 |
| 60 | 295 | 112 | 17.3 | 150 | 334 | 73 | 13.7 | 240 | 400 | 7 | 8.9 | 330 | 321 | 86 | 14.8 |
| 65 | 295 | 112 | 17.3 | 155 | 339 | 68 | 13.2 | 245 | 396 | 11 | 8.9 | 335 | 324 | 83 | 14.6 |
| 70 | 298 | 109 | 17.0 | 160 | 351 | 56 | 12.1 | 250 | 386 | 21 | 8.9 | 340 | 323 | 84 | 14.7 |
| 75 | 291 | 116 | 17.6 | 165 | 354 | 53 | 11.8 | 255 | 384 | 23 | 8.9 | 345 | 328 | 79 | 14.2 |
| 80 | 285 | 122 | 18.0 | 170 | 352 | 55 | 12.0 | 260 | 384 | 23 | 8.9 | 350 | 323 | 84 | 14.7 |
| 85 | 285 | 122 | 18.0 | 175 | 357 | 50 | 11.5 | 265 | 386 | 21 | 8.9 | 355 | 318 | 89 | 15.1 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Contour HAAT (m) : 69.9

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 307 | 100 | 24.1 | 90 | 288 | 119 | 26.4 | 180 | 364 | 43 | 14.9 | 270 | 376 | 31 | 12.7 |
| 5 | 297 | 110 | 25.4 | 95 | 309 | 98 | 23.9 | 185 | 364 | 43 | 14.9 | 275 | 370 | 37 | 13.7 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|----|------|-----|-----|-----|------|-----|-----|----|------|
| 10 | 293 | 114 | 25.8 | 100 | 312 | 95 | 23.5 | 190 | 369 | 38 | 13.9 | 280 | 365 | 42 | 14.7 |
| 15 | 289 | 118 | 26.3 | 105 | 311 | 96 | 23.6 | 195 | 379 | 28 | 12.5 | 285 | 356 | 51 | 16.8 |
| 20 | 292 | 115 | 25.9 | 110 | 315 | 92 | 23.1 | 200 | 385 | 22 | 12.5 | 290 | 350 | 57 | 17.9 |
| 25 | 294 | 113 | 25.7 | 115 | 311 | 96 | 23.6 | 205 | 388 | 19 | 12.5 | 295 | 346 | 61 | 18.6 |
| 30 | 291 | 116 | 26.1 | 120 | 312 | 95 | 23.5 | 210 | 394 | 13 | 12.5 | 300 | 346 | 61 | 18.6 |
| 35 | 290 | 117 | 26.2 | 125 | 309 | 98 | 23.9 | 215 | 397 | 10 | 12.5 | 305 | 346 | 61 | 18.6 |
| 40 | 296 | 111 | 25.5 | 130 | 316 | 91 | 22.9 | 220 | 406 | 1 | 12.5 | 310 | 339 | 68 | 19.7 |
| 45 | 297 | 110 | 25.4 | 135 | 310 | 97 | 23.7 | 225 | 412 | -5 | 12.5 | 315 | 333 | 74 | 20.5 |
| 50 | 298 | 109 | 25.3 | 140 | 320 | 87 | 22.4 | 230 | 420 | -13 | 12.5 | 320 | 334 | 73 | 20.4 |
| 55 | 295 | 112 | 25.6 | 145 | 331 | 76 | 20.8 | 235 | 413 | -6 | 12.5 | 325 | 328 | 79 | 21.2 |
| 60 | 295 | 112 | 25.6 | 150 | 334 | 73 | 20.4 | 240 | 400 | 7 | 12.5 | 330 | 321 | 86 | 22.2 |
| 65 | 295 | 112 | 25.6 | 155 | 339 | 68 | 19.7 | 245 | 396 | 11 | 12.5 | 335 | 324 | 83 | 21.8 |
| 70 | 298 | 109 | 25.3 | 160 | 351 | 56 | 17.8 | 250 | 386 | 21 | 12.5 | 340 | 323 | 84 | 22.0 |
| 75 | 291 | 116 | 26.1 | 165 | 354 | 53 | 17.2 | 255 | 384 | 23 | 12.5 | 345 | 328 | 79 | 21.2 |
| 80 | 285 | 122 | 26.7 | 170 | 352 | 55 | 17.6 | 260 | 384 | 23 | 12.5 | 350 | 323 | 84 | 22.0 |
| 85 | 285 | 122 | 26.7 | 175 | 357 | 50 | 16.6 | 265 | 386 | 21 | 12.5 | 355 | 318 | 89 | 22.7 |

Callsign : Proposed 100m AGL
 Coordinates : 32-51-05.0 N, 98-06-31.0 W
 Frequency (MHz): 88.50000
 HAAT (m): 160.16 AMSL (m): 457.00
 Elevation (m): 335.00 Tower AGL (m): 122.00
 ERP (w): 3250
 TX power (w): 3 Gain (dB): 0.00
 City/State : ,
 Licensee : reg. # 1232880

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Contour HAAT (m) : 159.8

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 128 | 27.5 | 90 | 294 | 163 | 30.7 | 180 | 287 | 170 | 31.3 | 270 | 290 | 167 | 31.1 |
| 5 | 331 | 126 | 27.3 | 95 | 294 | 163 | 30.7 | 185 | 286 | 171 | 31.4 | 275 | 294 | 163 | 30.7 |
| 10 | 331 | 126 | 27.3 | 100 | 286 | 171 | 31.4 | 190 | 281 | 176 | 31.9 | 280 | 292 | 165 | 30.9 |
| 15 | 335 | 122 | 26.9 | 105 | 290 | 167 | 31.1 | 195 | 277 | 180 | 32.3 | 285 | 299 | 158 | 30.2 |
| 20 | 334 | 123 | 27.0 | 110 | 284 | 173 | 31.6 | 200 | 273 | 184 | 32.6 | 290 | 304 | 153 | 29.7 |
| 25 | 333 | 124 | 27.1 | 115 | 281 | 176 | 31.9 | 205 | 267 | 190 | 33.1 | 295 | 304 | 153 | 29.7 |
| 30 | 331 | 126 | 27.3 | 120 | 282 | 175 | 31.8 | 210 | 269 | 188 | 32.9 | 300 | 302 | 155 | 29.9 |
| 35 | 329 | 128 | 27.5 | 125 | 276 | 181 | 32.3 | 215 | 269 | 188 | 32.9 | 305 | 299 | 158 | 30.2 |
| 40 | 326 | 131 | 27.7 | 130 | 271 | 186 | 32.8 | 220 | 280 | 177 | 32.0 | 310 | 294 | 163 | 30.7 |
| 45 | 323 | 134 | 28.0 | 135 | 268 | 189 | 33.0 | 225 | 281 | 176 | 31.9 | 315 | 302 | 155 | 29.9 |
| 50 | 318 | 139 | 28.4 | 140 | 265 | 192 | 33.3 | 230 | 282 | 175 | 31.8 | 320 | 306 | 151 | 29.5 |
| 55 | 319 | 138 | 28.3 | 145 | 264 | 193 | 33.3 | 235 | 291 | 166 | 31.0 | 325 | 308 | 149 | 29.3 |
| 60 | 314 | 143 | 28.8 | 150 | 265 | 192 | 33.3 | 240 | 305 | 152 | 29.6 | 330 | 311 | 146 | 29.1 |
| 65 | 312 | 145 | 29.0 | 155 | 264 | 193 | 33.3 | 245 | 300 | 157 | 30.1 | 335 | 312 | 145 | 29.0 |
| 70 | 308 | 149 | 29.3 | 160 | 266 | 191 | 33.2 | 250 | 301 | 156 | 30.0 | 340 | 315 | 142 | 28.7 |
| 75 | 302 | 155 | 29.9 | 165 | 272 | 185 | 32.7 | 255 | 302 | 155 | 29.9 | 345 | 321 | 136 | 28.2 |
| 80 | 298 | 159 | 30.3 | 170 | 278 | 179 | 32.2 | 260 | 302 | 155 | 29.9 | 350 | 323 | 134 | 28.0 |
| 85 | 295 | 162 | 30.6 | 175 | 278 | 179 | 32.2 | 265 | 296 | 161 | 30.5 | 355 | 328 | 129 | 27.5 |

Contour type : F(50,10)
 Signal strength : 54.000 dBu
 Area covered : 6602.300 sq. km
 Population covered: 114859 persons
 Contour HAAT (m) : 159.8

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 128 | 41.9 | 90 | 294 | 163 | 46.2 | 180 | 287 | 170 | 47.1 | 270 | 290 | 167 | 46.7 |
| 5 | 331 | 126 | 41.6 | 95 | 294 | 163 | 46.2 | 185 | 286 | 171 | 47.2 | 275 | 294 | 163 | 46.2 |
| 10 | 331 | 126 | 41.6 | 100 | 286 | 171 | 47.2 | 190 | 281 | 176 | 47.8 | 280 | 292 | 165 | 46.5 |
| 15 | 335 | 122 | 41.1 | 105 | 290 | 167 | 46.7 | 195 | 277 | 180 | 48.3 | 285 | 299 | 158 | 45.6 |
| 20 | 334 | 123 | 41.2 | 110 | 284 | 173 | 47.5 | 200 | 273 | 184 | 48.8 | 290 | 304 | 153 | 45.0 |
| 25 | 333 | 124 | 41.3 | 115 | 281 | 176 | 47.8 | 205 | 267 | 190 | 49.5 | 295 | 304 | 153 | 45.0 |
| 30 | 331 | 126 | 41.6 | 120 | 282 | 175 | 47.7 | 210 | 269 | 188 | 49.2 | 300 | 302 | 155 | 45.2 |
| 35 | 329 | 128 | 41.9 | 125 | 276 | 181 | 48.4 | 215 | 269 | 188 | 49.2 | 305 | 299 | 158 | 45.6 |
| 40 | 326 | 131 | 42.3 | 130 | 271 | 186 | 49.0 | 220 | 280 | 177 | 47.9 | 310 | 294 | 163 | 46.2 |
| 45 | 323 | 134 | 42.7 | 135 | 268 | 189 | 49.3 | 225 | 281 | 176 | 47.8 | 315 | 302 | 155 | 45.2 |
| 50 | 318 | 139 | 43.3 | 140 | 265 | 192 | 49.7 | 230 | 282 | 175 | 47.7 | 320 | 306 | 151 | 44.7 |
| 55 | 319 | 138 | 43.2 | 145 | 264 | 193 | 49.8 | 235 | 291 | 166 | 46.6 | 325 | 308 | 149 | 44.5 |
| 60 | 314 | 143 | 43.8 | 150 | 265 | 192 | 49.7 | 240 | 305 | 152 | 44.8 | 330 | 311 | 146 | 44.1 |
| 65 | 312 | 145 | 44.0 | 155 | 264 | 193 | 49.8 | 245 | 300 | 157 | 45.5 | 335 | 312 | 145 | 44.0 |

317 Contour Overlap

| | | | | | | | | | | | | | | | |
|----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|------|
| 70 | 308 | 149 | 44.5 | 160 | 266 | 191 | 49.6 | 250 | 301 | 156 | 45.3 | 340 | 315 | 142 | 43.6 |
| 75 | 302 | 155 | 45.2 | 165 | 272 | 185 | 48.9 | 255 | 302 | 155 | 45.2 | 345 | 321 | 136 | 42.9 |
| 80 | 298 | 159 | 45.7 | 170 | 278 | 179 | 48.2 | 260 | 302 | 155 | 45.2 | 350 | 323 | 134 | 42.7 |
| 85 | 295 | 162 | 46.1 | 175 | 278 | 179 | 48.2 | 265 | 296 | 161 | 46.0 | 355 | 328 | 129 | 42.0 |

Contour type : F(50,10)
Signal strength : 40.000 dBu
Contour HAAT (m) : 159.8

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 128 | 81.8 | 90 | 294 | 163 | 86.9 | 180 | 287 | 170 | 87.9 | 270 | 290 | 167 | 87.5 |
| 5 | 331 | 126 | 81.5 | 95 | 294 | 163 | 86.9 | 185 | 286 | 171 | 88.0 | 275 | 294 | 163 | 86.9 |
| 10 | 331 | 126 | 81.5 | 100 | 286 | 171 | 88.0 | 190 | 281 | 176 | 88.6 | 280 | 292 | 165 | 87.2 |
| 15 | 335 | 122 | 80.9 | 105 | 290 | 167 | 87.5 | 195 | 277 | 180 | 89.2 | 285 | 299 | 158 | 86.2 |
| 20 | 334 | 123 | 81.1 | 110 | 284 | 173 | 88.3 | 200 | 273 | 184 | 89.7 | 290 | 304 | 153 | 85.5 |
| 25 | 333 | 124 | 81.2 | 115 | 281 | 176 | 88.6 | 205 | 267 | 190 | 90.4 | 295 | 304 | 153 | 85.5 |
| 30 | 331 | 126 | 81.5 | 120 | 282 | 175 | 88.5 | 210 | 269 | 188 | 90.2 | 300 | 302 | 155 | 85.8 |
| 35 | 329 | 128 | 81.8 | 125 | 276 | 181 | 89.3 | 215 | 269 | 188 | 90.2 | 305 | 299 | 158 | 86.2 |
| 40 | 326 | 131 | 82.3 | 130 | 271 | 186 | 89.9 | 220 | 280 | 177 | 88.8 | 310 | 294 | 163 | 86.9 |
| 45 | 323 | 134 | 82.8 | 135 | 268 | 189 | 90.3 | 225 | 281 | 176 | 88.6 | 315 | 302 | 155 | 85.8 |
| 50 | 318 | 139 | 83.5 | 140 | 265 | 192 | 90.7 | 230 | 282 | 175 | 88.5 | 320 | 306 | 151 | 85.3 |
| 55 | 319 | 138 | 83.4 | 145 | 264 | 193 | 90.8 | 235 | 291 | 166 | 87.3 | 325 | 308 | 149 | 85.0 |
| 60 | 314 | 143 | 84.1 | 150 | 265 | 192 | 90.7 | 240 | 305 | 152 | 85.4 | 330 | 311 | 146 | 84.5 |
| 65 | 312 | 145 | 84.4 | 155 | 264 | 193 | 90.8 | 245 | 300 | 157 | 86.1 | 335 | 312 | 145 | 84.4 |
| 70 | 308 | 149 | 85.0 | 160 | 266 | 191 | 90.5 | 250 | 301 | 156 | 86.0 | 340 | 315 | 142 | 84.0 |
| 75 | 302 | 155 | 85.8 | 165 | 272 | 185 | 89.8 | 255 | 302 | 155 | 85.8 | 345 | 321 | 136 | 83.1 |
| 80 | 298 | 159 | 86.4 | 170 | 278 | 179 | 89.0 | 260 | 302 | 155 | 85.8 | 350 | 323 | 134 | 82.8 |
| 85 | 295 | 162 | 86.8 | 175 | 278 | 179 | 89.0 | 265 | 296 | 161 | 86.7 | 355 | 328 | 129 | 82.0 |

Contour type : F(50,10)
Signal strength : 100.000 dBu
Contour HAAT (m) : 159.8

| Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist | Brg | AT | HAAT | Dist |
|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|-----|-----|------|------|
| 0 | 329 | 128 | 2.6 | 90 | 294 | 163 | 2.8 | 180 | 287 | 170 | 2.8 | 270 | 290 | 167 | 2.8 |
| 5 | 331 | 126 | 2.5 | 95 | 294 | 163 | 2.8 | 185 | 286 | 171 | 2.8 | 275 | 294 | 163 | 2.8 |
| 10 | 331 | 126 | 2.5 | 100 | 286 | 171 | 2.8 | 190 | 281 | 176 | 2.9 | 280 | 292 | 165 | 2.8 |
| 15 | 335 | 122 | 2.5 | 105 | 290 | 167 | 2.8 | 195 | 277 | 180 | 2.9 | 285 | 299 | 158 | 2.7 |
| 20 | 334 | 123 | 2.5 | 110 | 284 | 173 | 2.8 | 200 | 273 | 184 | 2.9 | 290 | 304 | 153 | 2.7 |
| 25 | 333 | 124 | 2.5 | 115 | 281 | 176 | 2.9 | 205 | 267 | 190 | 2.9 | 295 | 304 | 153 | 2.7 |
| 30 | 331 | 126 | 2.5 | 120 | 282 | 175 | 2.8 | 210 | 269 | 188 | 2.9 | 300 | 302 | 155 | 2.7 |
| 35 | 329 | 128 | 2.6 | 125 | 276 | 181 | 2.9 | 215 | 269 | 188 | 2.9 | 305 | 299 | 158 | 2.7 |
| 40 | 326 | 131 | 2.6 | 130 | 271 | 186 | 2.9 | 220 | 280 | 177 | 2.9 | 310 | 294 | 163 | 2.8 |
| 45 | 323 | 134 | 2.6 | 135 | 268 | 189 | 2.9 | 225 | 281 | 176 | 2.9 | 315 | 302 | 155 | 2.7 |
| 50 | 318 | 139 | 2.6 | 140 | 265 | 192 | 2.9 | 230 | 282 | 175 | 2.8 | 320 | 306 | 151 | 2.7 |
| 55 | 319 | 138 | 2.6 | 145 | 264 | 193 | 2.9 | 235 | 291 | 166 | 2.8 | 325 | 308 | 149 | 2.7 |
| 60 | 314 | 143 | 2.6 | 150 | 265 | 192 | 2.9 | 240 | 305 | 152 | 2.7 | 330 | 311 | 146 | 2.7 |
| 65 | 312 | 145 | 2.7 | 155 | 264 | 193 | 2.9 | 245 | 300 | 157 | 2.7 | 335 | 312 | 145 | 2.7 |
| 70 | 308 | 149 | 2.7 | 160 | 266 | 191 | 2.9 | 250 | 301 | 156 | 2.7 | 340 | 315 | 142 | 2.6 |
| 75 | 302 | 155 | 2.7 | 165 | 272 | 185 | 2.9 | 255 | 302 | 155 | 2.7 | 345 | 321 | 136 | 2.6 |
| 80 | 298 | 159 | 2.8 | 170 | 278 | 179 | 2.9 | 260 | 302 | 155 | 2.7 | 350 | 323 | 134 | 2.6 |
| 85 | 295 | 162 | 2.8 | 175 | 278 | 179 | 2.9 | 265 | 296 | 161 | 2.8 | 355 | 328 | 129 | 2.6 |