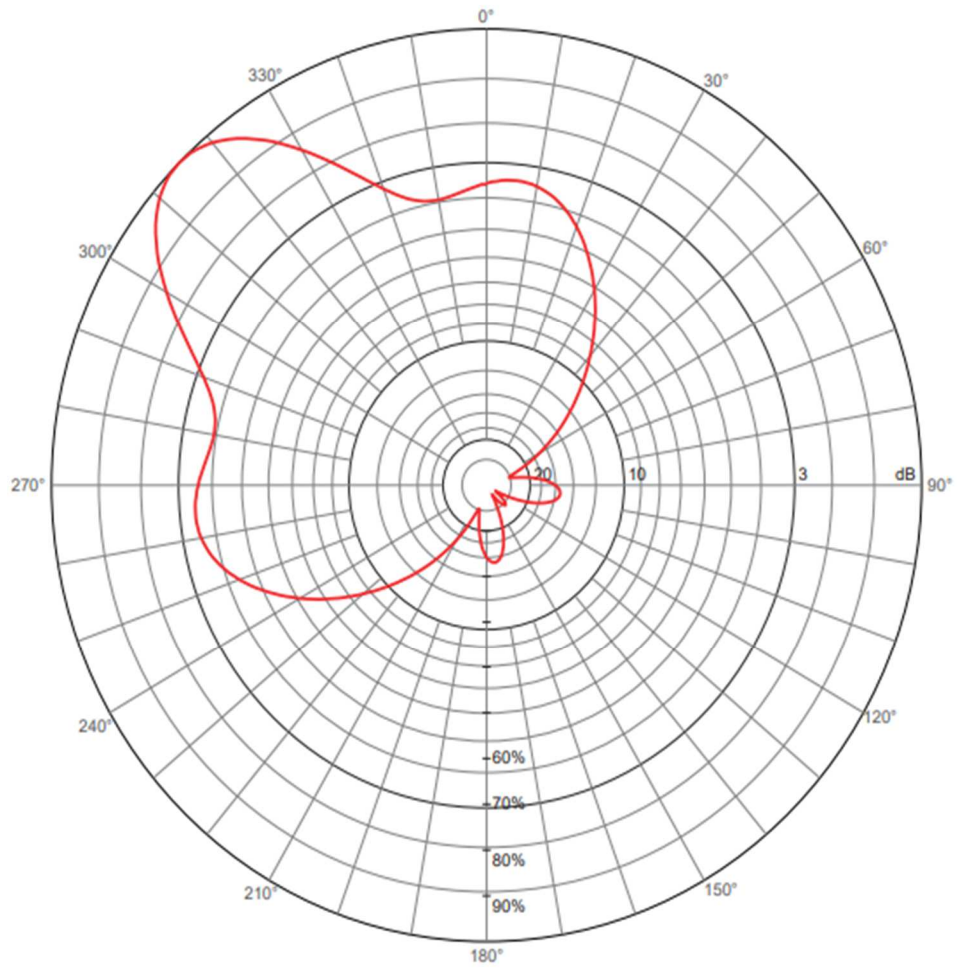


## Estación Leticia Canal Nacional



| Azimuthal Pattern |       |       |        |       |        |       |        |       |        |       |        |       |       |       |       |
|-------------------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|
| Angle             | dB    | Angle | dB     | Angle | dB     | Angle | dB     | Angle | dB     | Angle | dB     | Angle | dB    | Angle | dB    |
| 0                 | -3.57 | 45    | -10.21 | 90    | -16.02 | 135   | -24.23 | 180   | -16.02 | 225   | -10.21 | 270   | -3.57 | 315   | 0     |
| 1                 | -3.53 | 46    | -10.54 | 91    | -15.84 | 136   | -24.36 | 181   | -16.27 | 226   | -9.87  | 271   | -3.6  | 316   | -0.01 |
| 2                 | -3.51 | 47    | -10.92 | 92    | -15.69 | 137   | -24.53 | 182   | -16.54 | 227   | -9.55  | 272   | -3.65 | 317   | -0.02 |
| 3                 | -3.48 | 48    | -11.27 | 93    | -15.55 | 138   | -24.74 | 183   | -16.84 | 228   | -9.22  | 273   | -3.7  | 318   | -0.06 |
| 4                 | -3.46 | 49    | -11.64 | 94    | -15.46 | 139   | -25.18 | 184   | -17.18 | 229   | -8.93  | 274   | -3.74 | 319   | -0.11 |
| 5                 | -3.46 | 50    | -12.07 | 95    | -15.43 | 140   | -25.63 | 185   | -17.55 | 230   | -8.63  | 275   | -3.79 | 320   | -0.17 |
| 6                 | -3.45 | 51    | -12.46 | 96    | -15.39 | 141   | -26.29 | 186   | -18.03 | 231   | -8.34  | 276   | -3.83 | 321   | -0.24 |
| 7                 | -3.46 | 52    | -12.89 | 97    | -15.39 | 142   | -27.03 | 187   | -18.5  | 232   | -8.06  | 277   | -3.88 | 322   | -0.33 |
| 8                 | -3.48 | 53    | -13.33 | 98    | -15.41 | 143   | -27.9  | 188   | -19.05 | 233   | -7.78  | 278   | -3.89 | 323   | -0.42 |
| 9                 | -3.49 | 54    | -13.79 | 99    | -15.52 | 144   | -28.95 | 189   | -19.56 | 234   | -7.51  | 279   | -3.92 | 324   | -0.54 |
| 10                | -3.53 | 55    | -14.28 | 100   | -15.82 | 145   | -30.11 | 190   | -20.2  | 235   | -7.27  | 280   | -3.93 | 325   | -0.66 |
| 11                | -3.58 | 56    | -14.81 | 101   | -15.76 | 146   | -31.24 | 191   | -20.88 | 236   | -7.01  | 281   | -3.92 | 326   | -0.79 |
| 12                | -3.63 | 57    | -15.34 | 102   | -15.93 | 147   | -32.05 | 192   | -21.59 | 237   | -6.76  | 282   | -3.91 | 327   | -0.93 |
| 13                | -3.68 | 58    | -15.91 | 103   | -16.15 | 148   | -32.12 | 193   | -22.32 | 238   | -6.54  | 283   | -3.88 | 328   | -1.09 |
| 14                | -3.75 | 59    | -16.51 | 104   | -16.42 | 149   | -31.1  | 194   | -23.06 | 239   | -6.31  | 284   | -3.83 | 329   | -1.25 |
| 15                | -3.84 | 60    | -17.11 | 105   | -16.76 | 150   | -29.78 | 195   | -23.8  | 240   | -6.09  | 285   | -3.78 | 330   | -1.42 |
| 16                | -3.92 | 61    | -17.76 | 106   | -17.06 | 151   | -28.27 | 196   | -24.5  | 241   | -5.9   | 286   | -3.69 | 331   | -1.59 |
| 17                | -4.02 | 62    | -18.48 | 107   | -17.48 | 152   | -26.82 | 197   | -24.97 | 242   | -5.69  | 287   | -3.58 | 332   | -1.78 |
| 18                | -4.12 | 63    | -19.25 | 108   | -17.96 | 153   | -25.39 | 198   | -25.23 | 243   | -5.49  | 288   | -3.47 | 333   | -1.96 |
| 19                | -4.25 | 64    | -20.02 | 109   | -18.43 | 154   | -24.2  | 199   | -25.21 | 244   | -5.32  | 289   | -3.33 | 334   | -2.14 |
| 20                | -4.37 | 65    | -20.85 | 110   | -19.01 | 155   | -23.02 | 200   | -24.82 | 245   | -5.13  | 290   | -3.2  | 335   | -2.33 |
| 21                | -4.51 | 66    | -21.73 | 111   | -19.64 | 156   | -22.04 | 201   | -24.23 | 246   | -4.97  | 291   | -3.03 | 336   | -2.52 |
| 22                | -4.64 | 67    | -22.57 | 112   | -20.38 | 157   | -21.14 | 202   | -23.43 | 247   | -4.8   | 292   | -2.87 | 337   | -2.69 |
| 23                | -4.8  | 68    | -23.43 | 113   | -21.14 | 158   | -20.38 | 203   | -22.57 | 248   | -4.64  | 293   | -2.69 | 338   | -2.87 |
| 24                | -4.97 | 69    | -24.23 | 114   | -22.04 | 159   | -19.64 | 204   | -21.73 | 249   | -4.51  | 294   | -2.52 | 339   | -3.03 |
| 25                | -5.13 | 70    | -24.82 | 115   | -23.02 | 160   | -19.01 | 205   | -20.85 | 250   | -4.37  | 295   | -2.33 | 340   | -3.2  |
| 26                | -5.32 | 71    | -25.21 | 116   | -24.2  | 161   | -18.43 | 206   | -20.02 | 251   | -4.25  | 296   | -2.14 | 341   | -3.33 |
| 27                | -5.49 | 72    | -25.23 | 117   | -25.39 | 162   | -17.96 | 207   | -19.25 | 252   | -4.12  | 297   | -1.96 | 342   | -3.47 |
| 28                | -5.69 | 73    | -24.97 | 118   | -26.82 | 163   | -17.48 | 208   | -18.48 | 253   | -4.02  | 298   | -1.78 | 343   | -3.58 |
| 29                | -5.9  | 74    | -24.5  | 119   | -28.27 | 164   | -17.06 | 209   | -17.76 | 254   | -3.92  | 299   | -1.59 | 344   | -3.69 |
| 30                | -6.09 | 75    | -23.8  | 120   | -29.78 | 165   | -16.76 | 210   | -17.11 | 255   | -3.84  | 300   | -1.42 | 345   | -3.76 |
| 31                | -6.31 | 76    | -23.06 | 121   | -31.1  | 166   | -16.42 | 211   | -16.51 | 256   | -3.75  | 301   | -1.25 | 346   | -3.83 |
| 32                | -6.54 | 77    | -22.32 | 122   | -32.12 | 167   | -16.15 | 212   | -15.91 | 257   | -3.68  | 302   | -1.09 | 347   | -3.88 |
| 33                | -6.76 | 78    | -21.59 | 123   | -32.05 | 168   | -15.93 | 213   | -15.34 | 258   | -3.63  | 303   | -0.93 | 348   | -3.91 |
| 34                | -7.01 | 79    | -20.88 | 124   | -31.24 | 169   | -15.76 | 214   | -14.81 | 259   | -3.58  | 304   | -0.79 | 349   | -3.92 |
| 35                | -7.27 | 80    | -20.2  | 125   | -30.11 | 170   | -15.62 | 215   | -14.28 | 260   | -3.53  | 305   | -0.66 | 350   | -3.93 |
| 36                | -7.51 | 81    | -19.56 | 126   | -28.95 | 171   | -15.52 | 216   | -13.79 | 261   | -3.49  | 306   | -0.54 | 351   | -3.92 |
| 37                | -7.78 | 82    | -19.05 | 127   | -27.9  | 172   | -15.41 | 217   | -13.33 | 262   | -3.48  | 307   | -0.42 | 352   | -3.89 |
| 38                | -8.06 | 83    | -18.5  | 128   | -27.03 | 173   | -15.39 | 218   | -12.89 | 263   | -3.46  | 308   | -0.33 | 353   | -3.86 |
| 39                | -8.34 | 84    | -18.03 | 129   | -26.29 | 174   | -15.39 | 219   | -12.46 | 264   | -3.45  | 309   | -0.24 | 354   | -3.83 |
| 40                | -8.63 | 85    | -17.55 | 130   | -25.63 | 175   | -15.43 | 220   | -12.07 | 265   | -3.46  | 310   | -0.17 | 355   | -3.79 |
| 41                | -8.93 | 86    | -17.18 | 131   | -25.18 | 176   | -15.46 | 221   | -11.64 | 266   | -3.46  | 311   | -0.11 | 356   | -3.74 |
| 42                | -9.22 | 87    | -16.84 | 132   | -24.74 | 177   | -15.55 | 222   | -11.27 | 267   | -3.48  | 312   | -0.06 | 357   | -3.7  |
| 43                | -9.55 | 88    | -16.54 | 133   | -24.53 | 178   | -15.69 | 223   | -10.92 | 268   | -3.51  | 313   | -0.02 | 358   | -3.65 |
| 44                | -9.87 | 89    | -16.27 | 134   | -24.36 | 179   | -15.84 | 224   | -10.54 | 269   | -3.53  | 314   | -0.01 | 359   | -3.6  |

## Propiedades del Diagrama de Radiación

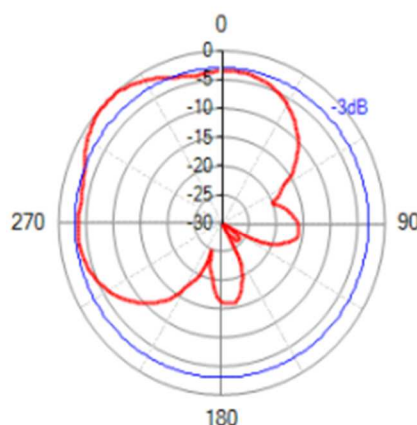
### Diagrama horizontal

Azimut:

Atenuación:

| Azimut | Atenuación |                                                                                                                                                                     |
|--------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.00   | -3.57      |   |
| 10.00  | -3.53      |   |
| 20.00  | -4.37      |   |
| 30.00  | -6.09      |   |
| 40.00  | -8.63      |   |
| 50.00  | -12.07     |   |
| 60.00  | -17.11     |   |
| 70.00  | -20.20     |   |
| 90.00  | -16.02     |   |
| 100.00 | -15.62     |   |
| 110.00 | -19.01     |   |
| 120.00 | -29.78     |   |

1 2 3



 Refrescar diagrama

## Propiedades del Diagrama de Radiación

 El diagrama de atenuaciones no tiene ningún valor 0.  
Los cálculos realizados con el mismo pueden ser erróneos.

### Propiedades

Tipo de diagrama: ☒ Copolar ☐ Xpolar

Polarización:

Ganancia:  dBi

Frecuencia inicial:  MHz

Frecuencia final:  MHz

XPD 90:  dB

Ancho de haz:  °

Rel. delante/atrás:  dB

### Diagrama horizontal

Diagrama horizontal



### Diagramas verticales

No se ha definido ningún diagrama vertical

## Propiedades del transmisor

| Transmisor            |                                      |
|-----------------------|--------------------------------------|
| Nombre:               | <input type="text" value="Leticia"/> |
| Identificador de red: | <input type="text"/>                 |

| Emplazamiento  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emplazamiento: | <input type="text"/>                                                                                                                                                                                                                                                                                                                      |
| Coordenadas    |       |
| Latitud:       | <input s"="" type="text" value="04°12'58.60"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Longitud:      | <input type="text" value="069°56'11.50" w"=""/>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Parámetros de radio |                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antena:             | <input type="text" value="DVB-T2 16.05 dBi"/>   |
| Altura antena:      | <input type="text" value="68"/> m                                                                                                                                                                                 |
| Orientación:        | <input type="text" value="0"/> [0,359]                                                                                                                                                                            |
| Inclinación:        | <input type="text" value="0"/> [-90,90]                                                                                                                                                                           |

| Frecuencias de transmisión                                                                              |                                           |             |             |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------|-------------|
| <table><thead><tr><th>Frecuencias</th></tr></thead><tbody><tr><td>483.000 MHz</td></tr></tbody></table> |                                           | Frecuencias | 483.000 MHz |
| Frecuencias                                                                                             |                                           |             |             |
| 483.000 MHz                                                                                             |                                           |             |             |
| Polarización:                                                                                           | <input type="text" value="Horizontal"/> ▼ |             |             |

|                      |                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Feeder:              | <input type="text"/>   |
| Longitud del feeder: | <input type="text" value="0"/> m                                                                                                                                                             |
| Pérdidas del feeder: | <input type="text" value="0.00"/> dB                                                                      |
| Pérdidas pasivos:    | <input type="text" value="0"/> dB                                                                                                                                                            |

|           |                                      |
|-----------|--------------------------------------|
| Potencia: | <input type="text" value="380"/> W ▼ |
|-----------|--------------------------------------|

| Parámetros de radiodifusión digital |                                   |
|-------------------------------------|-----------------------------------|
| Retardo:                            | <input type="text" value="0"/> μs |

