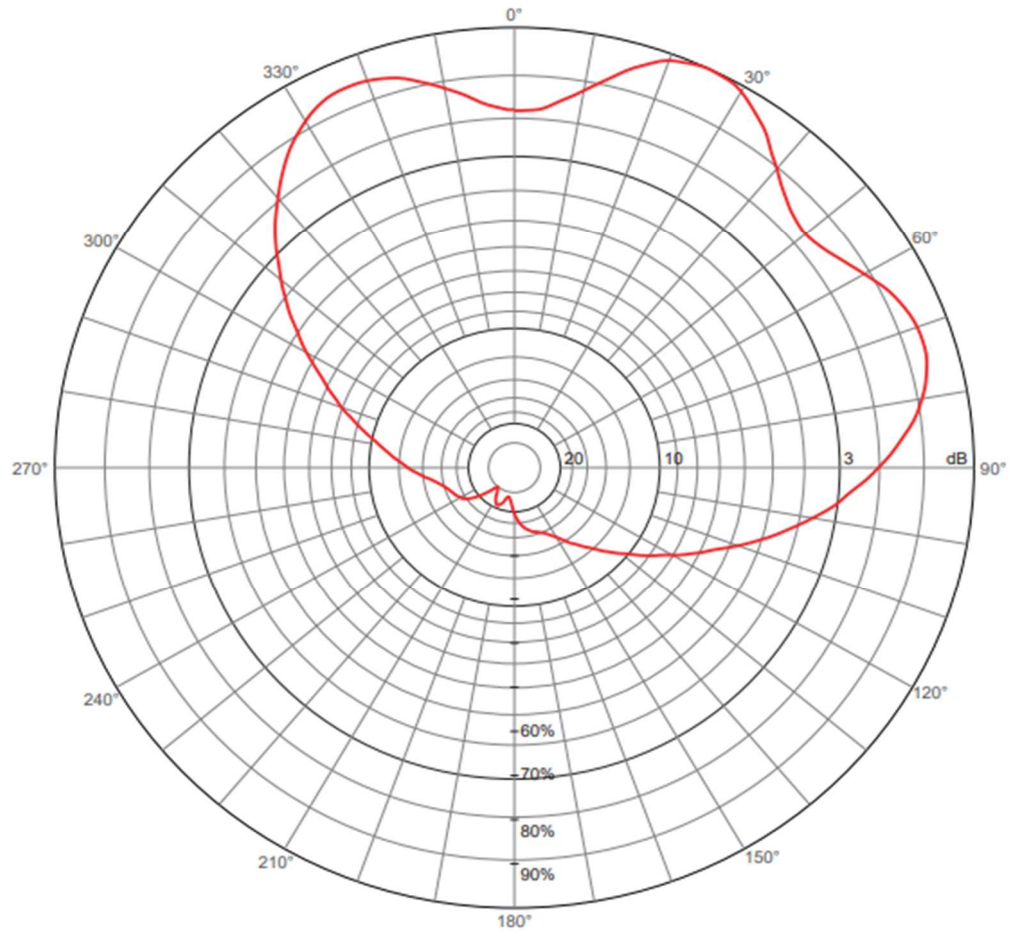


# Estación Martinica Canal Nacional

## Azimuthal Pattern (polar-linear)



| Azimuthal Pattern |       |       |       |       |        |       |        |       |        |       |        |
|-------------------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| Angle             | dB    | Angle | dB    | Angle | dB     | Angle | dB     | Angle | dB     | Angle | dB     |
| 0                 | -1.81 | 45    | -1.48 | 90    | -2.03  | 135   | -11.5  | 180   | -19.63 | 225   | -22.61 |
| 1                 | -1.81 | 46    | -1.54 | 91    | -2.16  | 136   | -11.76 | 181   | -20.06 | 226   | -22.06 |
| 2                 | -1.8  | 47    | -1.58 | 92    | -2.31  | 137   | -12.01 | 182   | -20.52 | 227   | -21.52 |
| 3                 | -1.79 | 48    | -1.62 | 93    | -2.47  | 138   | -12.22 | 183   | -20.99 | 228   | -21    |
| 4                 | -1.76 | 49    | -1.65 | 94    | -2.64  | 139   | -12.42 | 184   | -21.47 | 229   | -20.5  |
| 5                 | -1.69 | 50    | -1.65 | 95    | -2.79  | 140   | -12.63 | 185   | -21.93 | 230   | -20.01 |
| 6                 | -1.6  | 51    | -1.64 | 96    | -2.92  | 141   | -12.86 | 186   | -22.36 | 231   | -19.57 |
| 7                 | -1.51 | 52    | -1.61 | 97    | -3.07  | 142   | -13.09 | 187   | -22.7  | 232   | -19.2  |
| 8                 | -1.42 | 53    | -1.57 | 98    | -3.24  | 143   | -13.29 | 188   | -22.96 | 233   | -18.85 |
| 9                 | -1.32 | 54    | -1.53 | 99    | -3.43  | 144   | -13.46 | 189   | -23.21 | 234   | -18.49 |
| 10                | -1.21 | 55    | -1.47 | 100   | -3.62  | 145   | -13.65 | 190   | -23.42 | 235   | -18.18 |
| 11                | -1.09 | 56    | -1.4  | 101   | -3.82  | 146   | -13.89 | 191   | -23.43 | 236   | -17.94 |
| 12                | -0.97 | 57    | -1.33 | 102   | -4.01  | 147   | -14.13 | 192   | -23.29 | 237   | -17.74 |
| 13                | -0.85 | 58    | -1.27 | 103   | -4.21  | 148   | -14.38 | 193   | -23.22 | 238   | -17.57 |
| 14                | -0.73 | 59    | -1.19 | 104   | -4.41  | 149   | -14.6  | 194   | -23    | 239   | -17.44 |
| 15                | -0.6  | 60    | -1.12 | 105   | -4.6   | 150   | -14.8  | 195   | -22.56 | 240   | -17.36 |
| 16                | -0.49 | 61    | -1.04 | 106   | -4.81  | 151   | -14.97 | 196   | -22.11 | 241   | -17.29 |
| 17                | -0.39 | 62    | -0.97 | 107   | -5.04  | 152   | -15.13 | 197   | -21.73 | 242   | -17.16 |
| 18                | -0.3  | 63    | -0.89 | 108   | -5.26  | 153   | -15.32 | 198   | -21.44 | 243   | -17.03 |
| 19                | -0.2  | 64    | -0.83 | 109   | -5.48  | 154   | -15.47 | 199   | -21.27 | 244   | -16.96 |
| 20                | -0.14 | 65    | -0.77 | 110   | -5.71  | 155   | -15.6  | 200   | -21.14 | 245   | -16.89 |
| 21                | -0.1  | 66    | -0.73 | 111   | -5.96  | 156   | -15.74 | 201   | -20.94 | 246   | -16.82 |
| 22                | -0.07 | 67    | -0.69 | 112   | -6.22  | 157   | -15.87 | 202   | -20.73 | 247   | -16.74 |
| 23                | -0.04 | 68    | -0.65 | 113   | -6.46  | 158   | -15.96 | 203   | -20.67 | 248   | -16.65 |
| 24                | -0.01 | 69    | -0.62 | 114   | -6.67  | 159   | -16.04 | 204   | -20.68 | 249   | -16.57 |
| 25                | 0     | 70    | -0.61 | 115   | -6.87  | 160   | -16.14 | 205   | -20.71 | 250   | -16.48 |
| 26                | -0.01 | 71    | -0.6  | 116   | -7.09  | 161   | -16.24 | 206   | -20.83 | 251   | -16.41 |
| 27                | -0.02 | 72    | -0.6  | 117   | -7.32  | 162   | -16.31 | 207   | -21.05 | 252   | -16.3  |
| 28                | -0.04 | 73    | -0.6  | 118   | -7.54  | 163   | -16.35 | 208   | -21.28 | 253   | -16.15 |
| 29                | -0.06 | 74    | -0.61 | 119   | -7.76  | 164   | -16.4  | 209   | -21.51 | 254   | -16.04 |
| 30                | -0.11 | 75    | -0.64 | 120   | -8.03  | 165   | -16.49 | 210   | -21.79 | 255   | -15.93 |
| 31                | -0.18 | 76    | -0.68 | 121   | -8.3   | 166   | -16.58 | 211   | -22.13 | 256   | -15.77 |
| 32                | -0.26 | 77    | -0.73 | 122   | -8.53  | 167   | -16.69 | 212   | -22.53 | 257   | -15.59 |
| 33                | -0.34 | 78    | -0.78 | 123   | -8.72  | 168   | -16.81 | 213   | -23    | 258   | -15.43 |
| 34                | -0.42 | 79    | -0.84 | 124   | -8.93  | 169   | -16.94 | 214   | -23.47 | 259   | -15.25 |
| 35                | -0.49 | 80    | -0.91 | 125   | -9.16  | 170   | -17.06 | 215   | -23.85 | 260   | -15.06 |
| 36                | -0.59 | 81    | -0.99 | 126   | -9.4   | 171   | -17.21 | 216   | -24.11 | 261   | -14.85 |
| 37                | -0.71 | 82    | -1.06 | 127   | -9.67  | 172   | -17.38 | 217   | -24.35 | 262   | -14.63 |
| 38                | -0.83 | 83    | -1.16 | 128   | -9.93  | 173   | -17.57 | 218   | -24.65 | 263   | -14.36 |
| 39                | -0.93 | 84    | -1.27 | 129   | -10.16 | 174   | -17.77 | 219   | -24.89 | 264   | -14.09 |
| 40                | -1.03 | 85    | -1.39 | 130   | -10.36 | 175   | -18.04 | 220   | -24.91 | 265   | -13.86 |
| 41                | -1.14 | 86    | -1.51 | 131   | -10.58 | 176   | -18.32 | 221   | -24.68 | 266   | -13.65 |
| 42                | -1.24 | 87    | -1.62 | 132   | -10.82 | 177   | -18.58 | 222   | -24.32 | 267   | -13.4  |
| 43                | -1.32 | 88    | -1.75 | 133   | -11.05 | 178   | -18.87 | 223   | -23.81 | 268   | -13.13 |
| 44                | -1.4  | 89    | -1.88 | 134   | -11.27 | 179   | -19.23 | 224   | -23.21 | 269   | -12.89 |
|                   |       |       |       |       |        |       |        |       |        | 314   | -2.84  |
|                   |       |       |       |       |        |       |        |       |        | 315   | -2.67  |
|                   |       |       |       |       |        |       |        |       |        | 316   | -2.5   |
|                   |       |       |       |       |        |       |        |       |        | 317   | -2.35  |
|                   |       |       |       |       |        |       |        |       |        | 318   | -2.21  |
|                   |       |       |       |       |        |       |        |       |        | 319   | -2.07  |
|                   |       |       |       |       |        |       |        |       |        | 320   | -1.93  |
|                   |       |       |       |       |        |       |        |       |        | 321   | -1.79  |
|                   |       |       |       |       |        |       |        |       |        | 322   | -1.66  |
|                   |       |       |       |       |        |       |        |       |        | 323   | -1.53  |
|                   |       |       |       |       |        |       |        |       |        | 324   | -1.4   |
|                   |       |       |       |       |        |       |        |       |        | 325   | -1.28  |
|                   |       |       |       |       |        |       |        |       |        | 326   | -1.17  |
|                   |       |       |       |       |        |       |        |       |        | 327   | -1.07  |
|                   |       |       |       |       |        |       |        |       |        | 328   | -0.99  |
|                   |       |       |       |       |        |       |        |       |        | 329   | -0.9   |
|                   |       |       |       |       |        |       |        |       |        | 330   | -0.82  |
|                   |       |       |       |       |        |       |        |       |        | 331   | -0.75  |
|                   |       |       |       |       |        |       |        |       |        | 332   | -0.69  |
|                   |       |       |       |       |        |       |        |       |        | 333   | -0.64  |
|                   |       |       |       |       |        |       |        |       |        | 334   | -0.6   |
|                   |       |       |       |       |        |       |        |       |        | 335   | -0.57  |
|                   |       |       |       |       |        |       |        |       |        | 336   | -0.56  |
|                   |       |       |       |       |        |       |        |       |        | 337   | -0.56  |
|                   |       |       |       |       |        |       |        |       |        | 338   | -0.56  |
|                   |       |       |       |       |        |       |        |       |        | 339   | -0.56  |
|                   |       |       |       |       |        |       |        |       |        | 340   | -0.58  |
|                   |       |       |       |       |        |       |        |       |        | 341   | -0.6   |
|                   |       |       |       |       |        |       |        |       |        | 342   | -0.63  |
|                   |       |       |       |       |        |       |        |       |        | 343   | -0.67  |
|                   |       |       |       |       |        |       |        |       |        | 344   | -0.71  |
|                   |       |       |       |       |        |       |        |       |        | 345   | -0.77  |
|                   |       |       |       |       |        |       |        |       |        | 346   | -0.85  |
|                   |       |       |       |       |        |       |        |       |        | 347   | -0.92  |
|                   |       |       |       |       |        |       |        |       |        | 348   | -1     |
|                   |       |       |       |       |        |       |        |       |        | 349   | -1.07  |
|                   |       |       |       |       |        |       |        |       |        | 350   | -1.15  |
|                   |       |       |       |       |        |       |        |       |        | 351   | -1.23  |
|                   |       |       |       |       |        |       |        |       |        | 352   | -1.31  |
|                   |       |       |       |       |        |       |        |       |        | 353   | -1.4   |
|                   |       |       |       |       |        |       |        |       |        | 354   | -1.49  |
|                   |       |       |       |       |        |       |        |       |        | 355   | -1.58  |
|                   |       |       |       |       |        |       |        |       |        | 356   | -1.65  |
|                   |       |       |       |       |        |       |        |       |        | 357   | -1.7   |
|                   |       |       |       |       |        |       |        |       |        | 358   | -1.75  |
|                   |       |       |       |       |        |       |        |       |        | 359   | -1.79  |

## Propiedades del Diagrama de Radiación

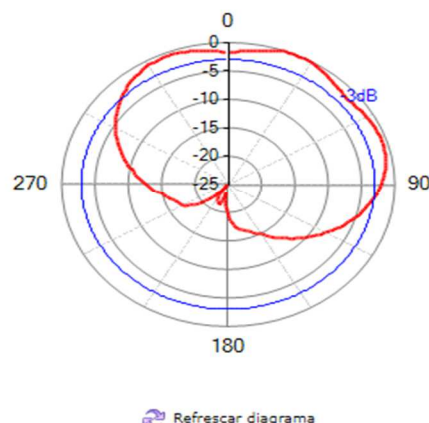
Diagrama horizontal

Azimuth:

Atenuación:  Añadir

| Azimuth | Atenuación |  |
|---------|------------|--|
| 120.00  | -8.03      |  |
| 130.00  | -10.36     |  |
| 140.00  | -12.63     |  |
| 150.00  | -14.80     |  |
| 160.00  | -16.14     |  |
| 170.00  | -17.06     |  |
| 180.00  | -19.63     |  |
| 190.00  | -23.42     |  |
| 200.00  | -21.14     |  |
| 210.00  | -21.79     |  |
| 220.00  | -24.91     |  |
| 230.00  | -20.01     |  |

1 2 3



Aceptar Cancelar

## 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: Horizontal ▼

Ganancia: 15.15 dBi

Frecuencia inicial: 524 MHz ▼

Frecuencia final: 530 MHz ▼

XPD 90: 30 dB

Ancho de haz: 171 °

Rel. delante/atrás: 16.9 dB

### Diagrama horizontal

Diagrama horizontal



### Diagramas verticales



No se ha definido ningún diagrama vertical

Aceptar

Aplicar

Recargar

Cancelar

## Propiedades del transmisor

| <b>Transmisor</b>                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| Nombre:                                                                                                             | <input type="text" value="Matinica"/>                                                                                                                                                                                                                                                                                                                                                                                     |             |             |
| Identificador de red:                                                                                               | <input type="text"/>                                                                                                                                                                                                                                                                                                                                                                                                      |             |             |
| <b>Emplazamiento</b>                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Emplazamiento:                                                                                                      | <input type="text"/>                                                                                                                                                                                                                                    |             |             |
| Coordenadas                                                                                                         |      |             |             |
| Latitud:                                                                                                            | <input n"="" type="text" value="04°24'26.50"/>                                                                                                                                                                                                                                                                                                                                                                            |             |             |
| Longitud:                                                                                                           | <input type="text" value="075°13'23.70" w"=""/>                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| <b>Parámetros de radio</b>                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Antena:                                                                                                             | <input type="text" value="DVB-T 15.15 dBi"/>                                                                                                                                                                                                            |             |             |
| Altura antena:                                                                                                      | <input type="text" value="38"/> m                                                                                                                                                                                                                                                                                                                                                                                         |             |             |
| Orientación:                                                                                                        | <input type="text" value="0"/> [0,359]                                                                                                                                                                                                                                                                                                                                                                                    |             |             |
| Inclinación:                                                                                                        | <input type="text" value="0"/> [-90,90]                                                                                                                                                                                                                                                                                                                                                                                   |             |             |
| <b>Frecuencias de transmisión</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| <table><thead><tr><th>Frecuencias</th></tr></thead><tbody><tr><td>525.000 MHz</td></tr></tbody></table>             |                                                                                                                                                                                                                                                                                                                                                                                                                           | Frecuencias | 525.000 MHz |
| Frecuencias                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| 525.000 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="754"/> W ▼                                                                                                                                                                                                                                                                                                                                                                                      |             |             |
| <b>Parámetros de radiodifusión digital</b>                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |
| Retardo:                                                                                                            | <input type="text" value="0"/> μs                                                                                                                                                                                                                                                                                                                                                                                         |             |             |

