

### RADIATION PATTERN ENVELOPE

Antenna Type Number: HX10-6W  
10.00 Foot Antenna 5.925-7.125 GHz Dual Polarized  
Gain: 43.20 dBi at 6.525 GHz  
— Envelope for a Horizontally Polarized Antenna (HH, HV)  
— Envelope for a Vertically Polarized Antenna (VV, VH)

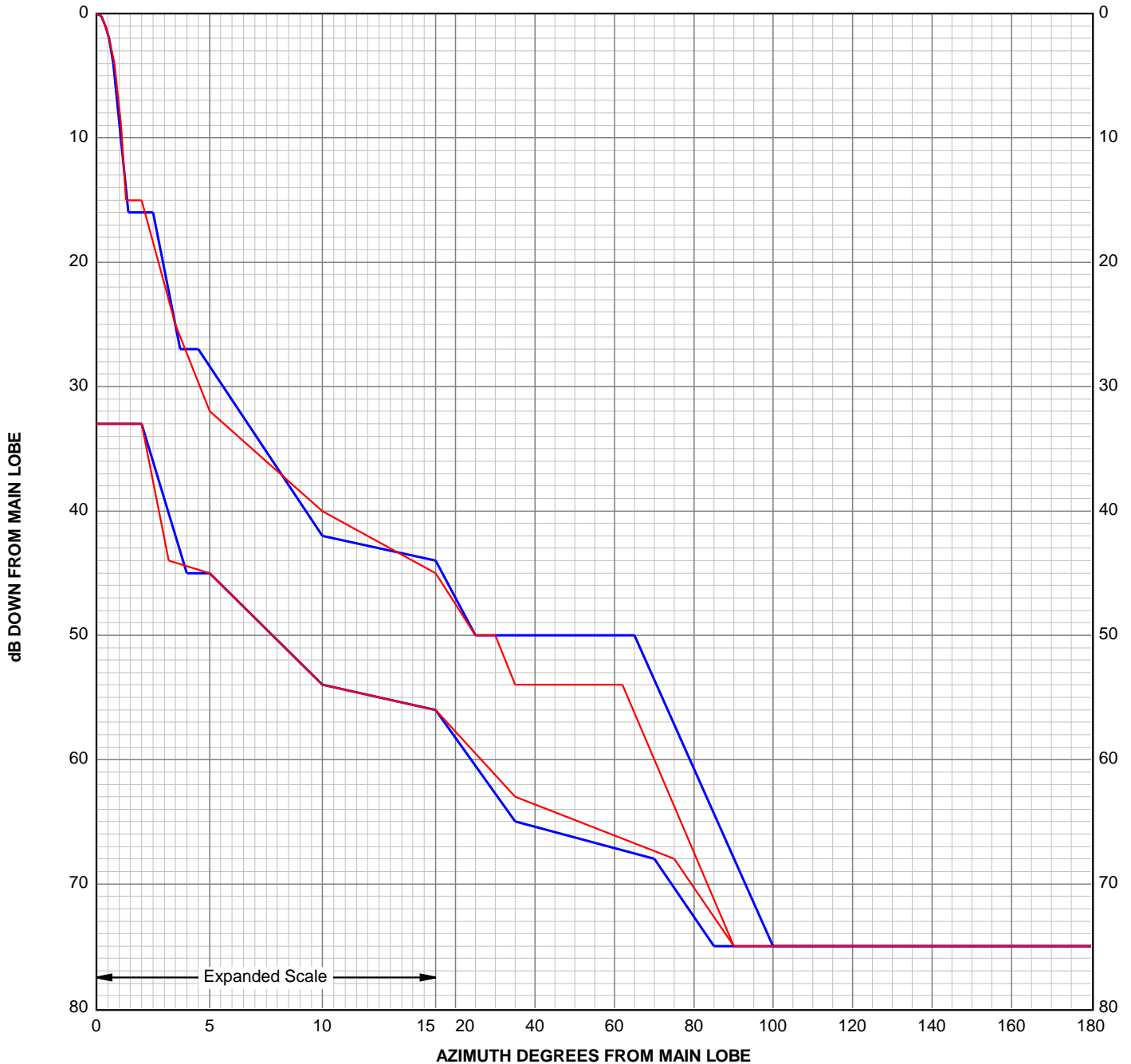
For further information, ask for Andrew Bulletin 1032, "Radiation Pattern Envelopes".

ANDREW CORPORATION



RPE 7436

Engineering Approved:  
7 March 2019



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| Angle  | H/H<br>dB | Angle  | H/V<br>dB | Angle  | V/V<br>dB | Angle  | V/H<br>dB |
|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| 0.00   | 0.00      | 0.00   | -33.00    | 0.00   | 0.00      | 0.00   | -33.00    |
| 0.20   | -0.20     | 2.00   | -33.00    | 0.20   | -0.20     | 2.00   | -33.00    |
| 0.40   | -1.00     | 4.00   | -45.00    | 0.40   | -1.00     | 3.20   | -44.00    |
| 0.55   | -2.00     | 5.00   | -45.00    | 0.55   | -2.00     | 5.00   | -45.00    |
| 0.75   | -4.00     | 10.00  | -54.00    | 0.80   | -4.00     | 10.00  | -54.00    |
| 1.40   | -16.00    | 15.00  | -56.00    | 1.10   | -9.00     | 15.00  | -56.00    |
| 2.50   | -16.00    | 35.00  | -65.00    | 1.30   | -15.00    | 35.00  | -63.00    |
| 3.70   | -27.00    | 70.00  | -68.00    | 2.00   | -15.00    | 75.00  | -68.00    |
| 4.50   | -27.00    | 85.00  | -75.00    | 3.50   | -25.00    | 90.00  | -75.00    |
| 10.00  | -42.00    | 180.00 | -75.00    | 5.00   | -32.00    | 180.00 | -75.00    |
| 15.00  | -44.00    |        |           | 10.00  | -40.00    |        |           |
| 25.00  | -50.00    |        |           | 15.00  | -45.00    |        |           |
| 65.00  | -50.00    |        |           | 25.00  | -50.00    |        |           |
| 100.00 | -75.00    |        |           | 30.00  | -50.00    |        |           |
| 180.00 | -75.00    |        |           | 35.00  | -54.00    |        |           |
|        |           |        |           | 62.00  | -54.00    |        |           |
|        |           |        |           | 90.00  | -75.00    |        |           |
|        |           |        |           | 180.00 | -75.00    |        |           |

The RPE is defined by connecting these points with straight lines.  
 PARALLEL POLARIZATION  
 HH - Horizontal port response to a horizontal signal  
 VV - Vertical port response to a vertical signal  
 CROSS POLARIZATION  
 HV - Horizontal port response to a vertical signal  
 VH - Vertical port response to a horizontal signal