



*List of requested data to compute an antenna system project*

(\* = necessary data)

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**GENERAL DATA**

1. ....  
Name of Radio or TV station (\*).....
2. ....  
Name of the antenna system site .....

**ELECTRICAL DATA**

3. ....  
Working frequency (\*).....
4. ....  
Central working frequency (if the antenna system must be calculated for a freq. band).....
5. ....  
TX power for each station (if more than one) (\*) .....
6. ....  
Polarization (Horizontal, Vertical, Circular) (\*).....
7. ....  
If circular, indicate the percentage of H and V components .....
8. ....  
Horizontal pattern aperture in degrees (\*).....  
or/and
9. ....  
Type of elementary antenna used.....
10. ....  
Horizontal aperture in degrees at -3 dB of the elementary antenna .....
11. ....  
Number of antennas used.....
12. ....  
Total antenna system gain in dB (referred to the half-wave dipole) .....

**GEOGRAPHICAL DATA**

13. ....  
Altitude of the transmitting site above sea level in mt (\*).....
14. ....  
Altitude of antenna system above ground level in mt (or tower height).....
15. ....  
Geographic coordinates of the transmitting site (referred to Greenwich)  
..... LATITUDE  
..... LONGITUDE .....
16. ....  
Distance of main area to cover in Km (\*).....
17. ....  
Altitude a.s.l. of the main area to cover in mt (\*).....

**E.M. FIELD DATA**

18. ....

Min. requested receiving signal strength (or norms to be related with) (\*).....

or/and

19. ....

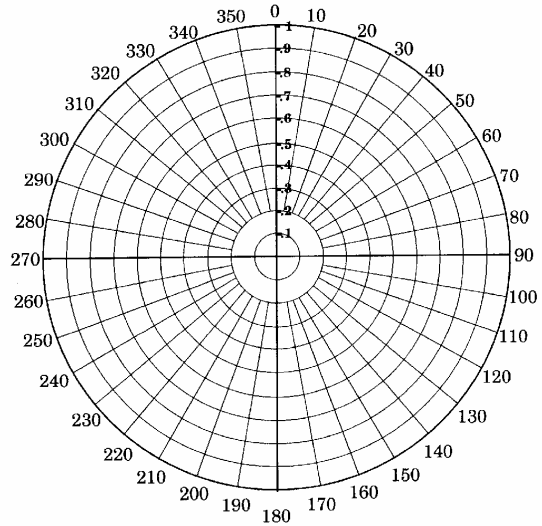
Beam tilt in deg. to be applied to the system .....

20. ....

Percentage of filling of the first null .....

21. ....

Drawing of the suitable antenna patterns .....




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**MECHANICAL DATA**

1. ....

Type of cable used to connect last power splitters to antennas (\*).....

2. ....

Type and length of feeding cable .....

or/and

3. ....  
Losses between TX and antenna in dB (\*). ....

4. ....  
Configuration of the system .....

5. ....  
Number of stacked arrays.....

6. ....  
Number of faces .....

7. ....  
Azimuth of each face .....

8. ....  
Type of distribution used .....

9. Drawing of the antenna system plan and/or of the tower section and/or of the distribution schema .....