

G7-A/B/C/D12

ASSEMBLY SEQUENCE

1 - The premises chosen for the installation of the antenna must have an area free of power networks of any kind, an area protected by lightning rods, free at least two meters from the ground or any obstacle.

2 - The (galvanized) tube for fixing the antenna should be between 30 and 50mm with a wall thickness sufficient to support the antenna and the work it will perform at the fixing location.

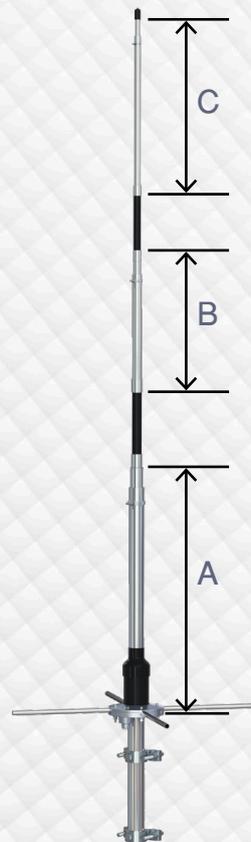
3 - The assembly follows the illustration on the side with the fixing of the elements.

4 - Adjust the lengths (A), (B) and (C) following the measurements in the table. It is advisable to make the adjustment with a lower frequency (larger size of the elements) than desired.

5 - Adjust the transceiver to transmit on the correct frequency and observe the wattmeter. The reflected signal should not exceed 1.5:1 VSWR or 4% of the forward power.

6 - Once the antenna is installed and tested, seal the RF connector with insulating tape and wrap it with self-adhesive tape.

Obs.: The table below indicates reference values, the final result may differ from the announced value.



ADJUSTMENT TABLES

G7-A / G7-A CTN / G7-A12		
MHz	A (mm)	B/C (mm)
142 / 146	1520	1430
144 / 148	1490	1390
146 / 150	1460	1360
148 / 152	1430	1335
150 / 154	1395	1307
152 / 156	1375	1275
154 / 158	1350	1250
156 / 160	1330	1230
158 / 162	1315	1215
160 / 164	1295	1195
162 / 166	1267	1167
164 / 168	1245	1145
166 / 170	1223	1123
168 / 172	1203	1103
170 / 174	1185	1085
172 / 176	1163	1063

G7-B / G7-B12		
MHz	A (mm)	B/C (mm)
200 / 210	1080	985
210 / 220	1000	930
220 / 230	945	875
230 / 240	890	820
240 / 250	850	780
250 / 260	800	730
260 / 280	745	675

G7-D / G7-D12		
MHz	A (mm)	B/C (mm)
320 / 330	665	625
330 / 340	640	600
340 / 350	615	575
350 / 360	585	560
360 / 370	565	540
370 / 380	540	520
380 / 390	520	500
390 / 400	500	485
400 / 410	480	470
410 / 420	475	430

G7-C / G7-C CTN / G7-C12		
MHz	A (mm)	B/C (mm)
415 / 445	460	450
435 / 455	445	430
445 / 465	430	430
455 / 475	420	400
465 / 485	410	390
475 / 495	395	370
485 / 505	385	355
495 / 515	370	355
505 / 525	360	340