

GPVL/GPUL-00

ASSEMBLY SEQUENCE

1 - The location chosen for installing the antenna must have an area free of power grids of any type, an area protected by lightning rods, free at least six meters from the ground or any obstacle.

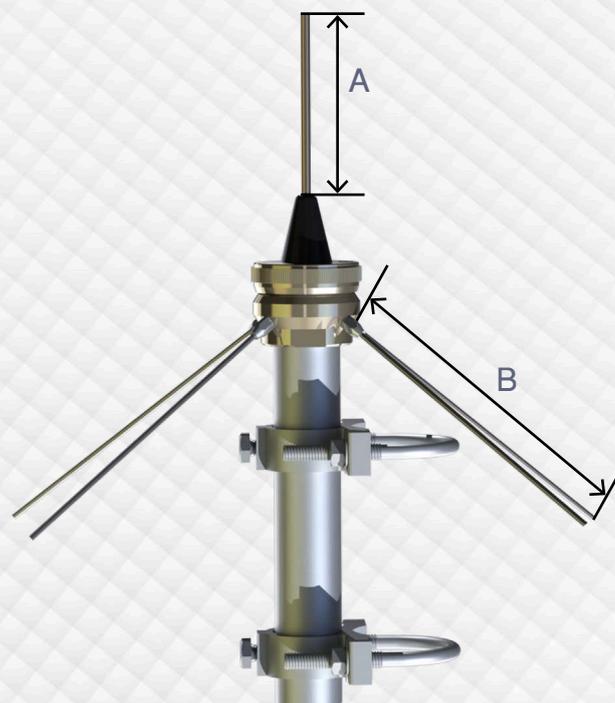
2 - The diameter (galvanized) for fixing the antenna must be between 30 and 50mm with a wall of thickness enough to support the antenna and the work that it will perform at the fixing location.

3 - Adjust the length of elements A (a radiant element) and B (ground plane element) following the measurements in the table below, it is advisable to perform the cut with a lower immediate frequency (bigger size of the elements) than desired.

4 - The assembly follows the illustration below with fixing of the elements to the base of the antenna.

5 - Adjust the transceiver transmitting on the appropriate frequency and observe the wattmeter. The reflected signal cannot be greater than 1,5:1 VSWR or 4% of the forward power.

Note: The table below indicates reference values, and the final result may differ from the advertised value.



CUTTING GUIDE TABLE

MHz	A (mm)	B (mm)	MHz	A (mm)	B (mm)	MHz	A (mm)	B (mm)
86 / 90	800	840	230 / 240	298	313	325 / 335	212	219
89 / 93	770	820	235 / 245	291	306	330 / 340	210	217
92 / 96	740	770	240 / 250	284	298	335 / 345	206	214
95 / 99	710	740	245 / 255	277	291	340 / 350	203	211
98 / 102	680	710	250 / 260	270	284	345 / 355	198	204
101 / 105	660	690	255 / 265	268	281	350 / 360	190	199
103 / 108	640	670	260 / 270	259	272	355 / 365	184	194
106 / 110	630	660	265 / 275	252	265	360 / 370	183	192
140 / 150	480	504	270 / 280	241	253	365 / 375	181	191
145 / 155	460	483	275 / 285	239	250	370 / 380	179	189
150 / 160	452	474	280 / 290	237	247	375 / 385	174	184
155 / 165	435	457	285 / 295	235	244	380 / 420	170	178
160 / 170	425	446	290 / 300	233	241	400 / 440	160	168
165 / 175	410	430	295 / 305	230	240	420 / 460	153	163
205 / 215	335	352	300 / 310	228	238	440 / 480	147	154
210 / 220	328	344	305 / 315	225	233	460 / 500	142	149
215 / 225	321	337	310 / 320	222	227	480 / 520	136	144
220 / 230	313	329	315 / 325	218	224			
225 / 235	305	320	320 / 330	214	222			

