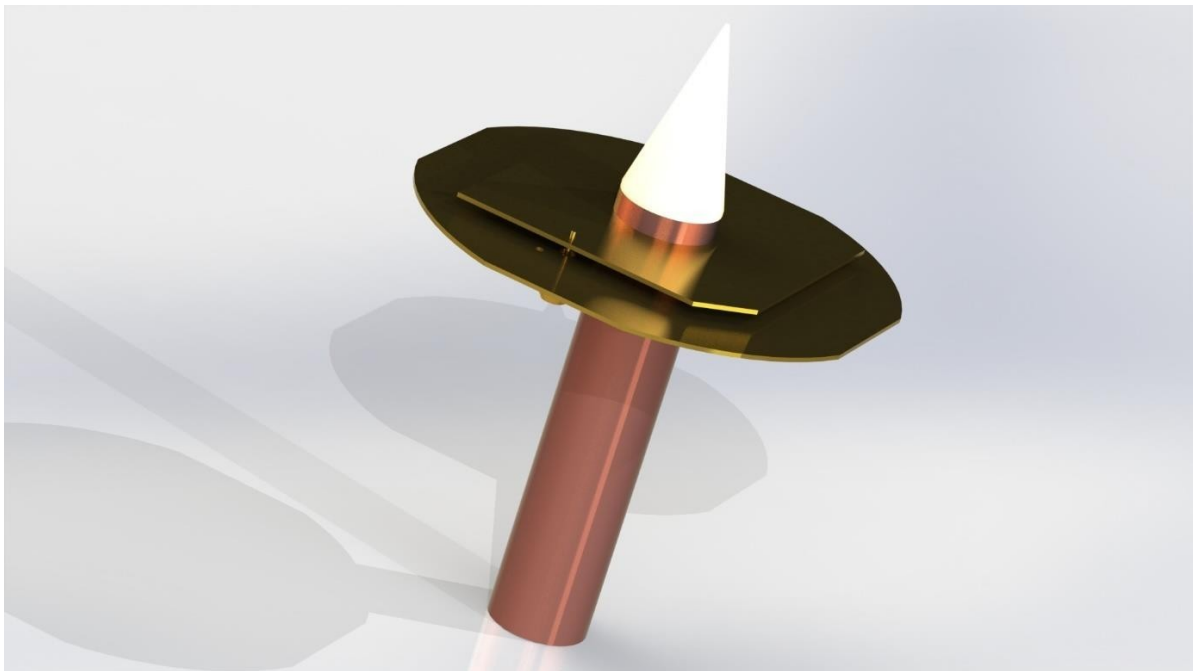
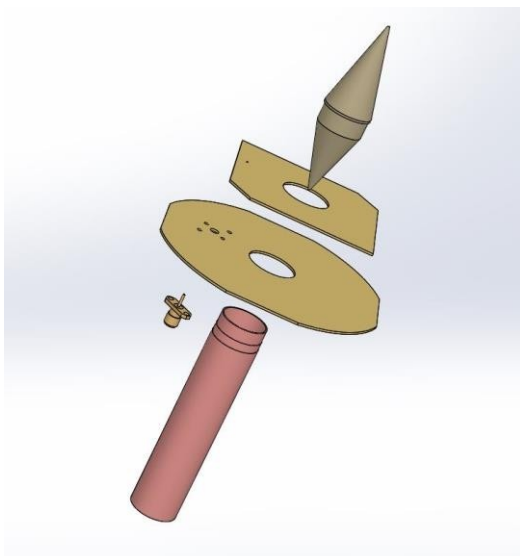


## Assembly instructions POTY (Patch Of The Year)

Dual band antenna for Qatar-Oscar 100 use.  
TX 2400 MHz and RX 10500 MHz.



The POTY kit contains sold by [Passion Radio](http://Passion Radio) contains the following parts:



Dielectric lens (1x)

Patch plate (1x)

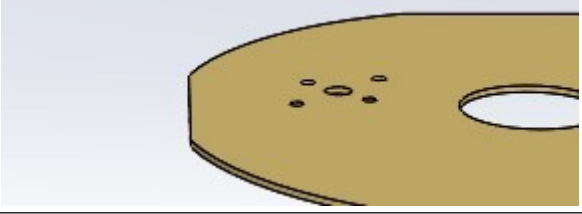
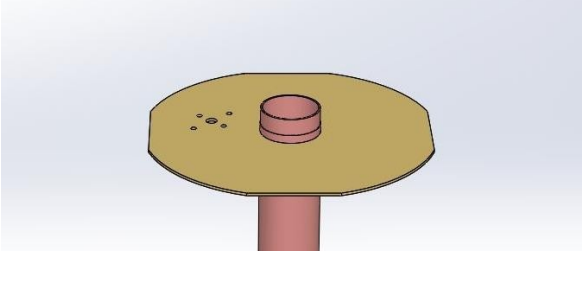
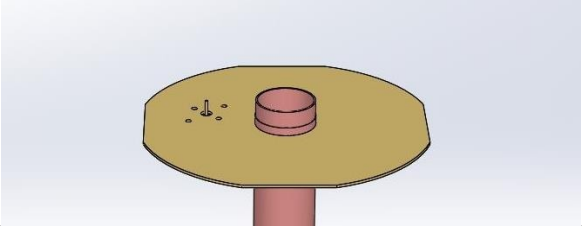
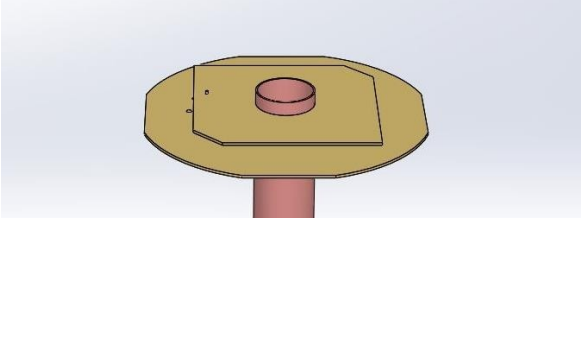
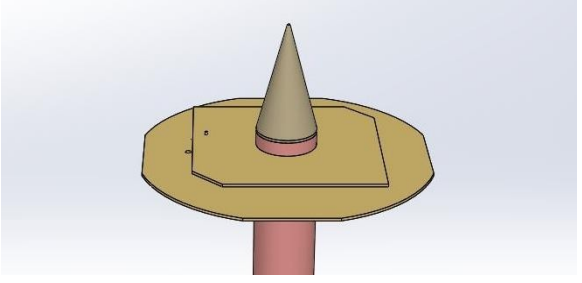
Reflector plate (1x)

SMA female connector (1x)

M2,5 screw (2x)

Waveguide (1x)

Assembly steps POTY antenna:

	<ul style="list-style-type: none"> <li>• Smooth the center hole of both plates with sanding paper.</li> </ul>
	<ul style="list-style-type: none"> <li>• Place the waveguide in a vice with the stepped diameters upwards.</li> <li>• Position the reflector on the second step (watch the orientation)</li> <li>• Solder the reflector to the waveguide with a torch. Use flux and very little 60/40 solder.</li> <li>• Aim the torch only on the waveguide</li> </ul>
	<ul style="list-style-type: none"> <li>• Mount the SMA female connector with two M 2,5 screws.</li> </ul>
	<ul style="list-style-type: none"> <li>• Position the patch on the first step. (watch the orientation)</li> <li>• Be sure the center pin of the SMA matches the hole of the patch</li> <li>• Solder the patch to the waveguide with a torch. Use flux and 60/40 solder.</li> <li>• Check if the distance between the plates is 3mm</li> <li>• Aim the torch only on the waveguide</li> <li>• Solder the center pin to the patch with a soldering iron.</li> <li>• After soldering you can clean the antenna with hot water</li> </ul>
	<ul style="list-style-type: none"> <li>• Push the dielectric lens in to the waveguide.</li> <li>• Now your antenna is ready to place in the focus of your dish.</li> <li>• This lens is only necessary with an offset dish. A prime focus dish performs better without.</li> </ul>