

A brief explanation of the improved design effect of the Three Loop Antenna

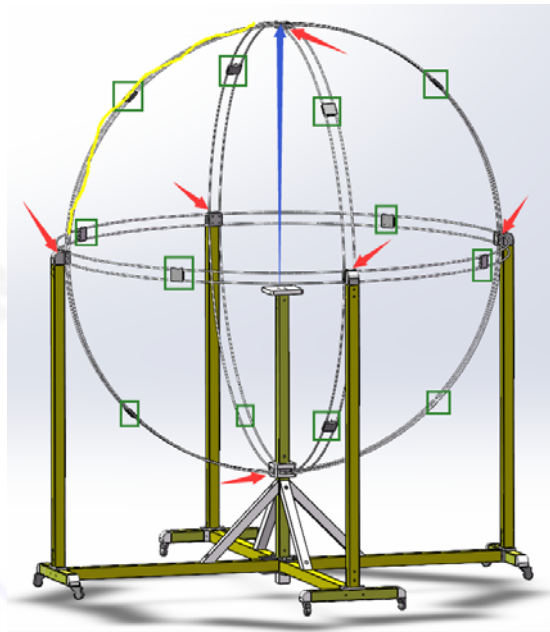


Fig 1 Overall appearance renderings

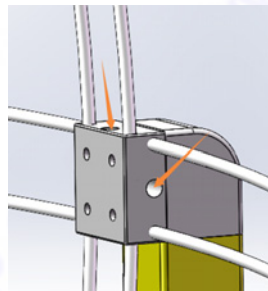


Fig 2 10-Cross-Connection-Module (Total 6pcs as shown by the red arrow in Fig 1)

1. Top Supporting Pole (shown in blue in Fig 1, remove it when in use, hold it up when not in use, so that there is a support point for the top), cable (shown in orange arrow in Fig 2, passing through the 10-Cross-Connection-Module) and Calibrator Set which three parts are not simulated in the figure, but they actually were included.
2. There are total 12 sensor/resistor boxes (shown in the green box in Fig 1). They have been built into the "In-ring Support Rod" (shown in the yellow line in Fig 1) before leaving the factory. The "In-ring Support Rod" is equipped with threading holes (similar to the orange arrow in Fig 2), you only need to insert the 12 sets of "In-ring Support Rod" into the 6pcs 10-Cross-Connection-Module without install about 100 screws to complete the three loops installation, save a lot of time.

Best Regards,

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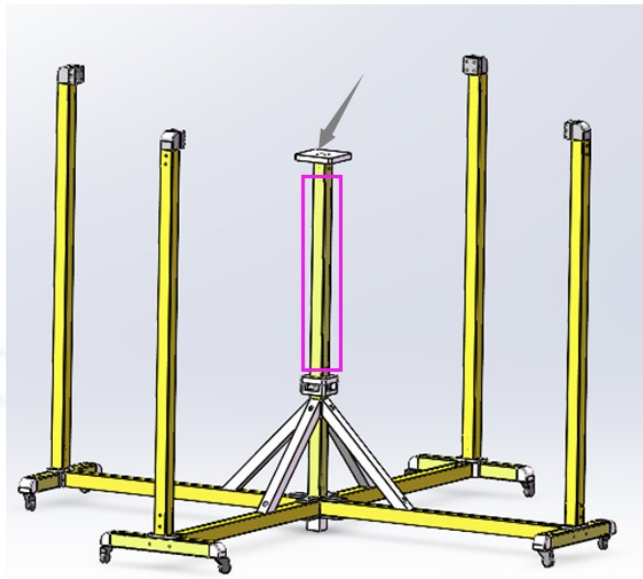


Fig 3 Testing Platform

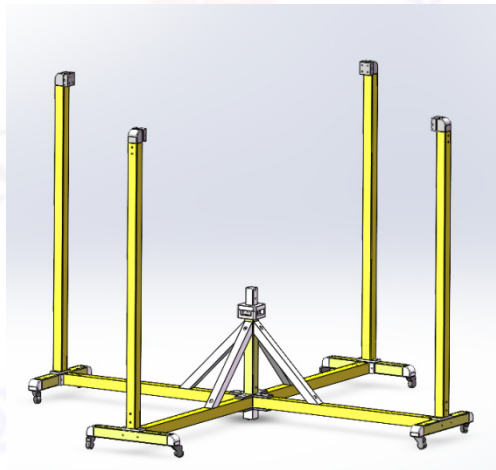


Fig 4 Testing Platform Long poles are connected by sockets and pins

3. The pink circled part in Fig 3 is retractable up and down. At the same time, there are M16 screw holes shown by the gray arrow in Fig 3 to facilitate expansion of the Testing Platform with a larger Platform.
4. The retractable Testing Platform circled in pink in Fig 3 can be detached as shown in Fig 4, making it easy to move in and use the Calibrator Set.

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三環天線改進設計效果簡要說明

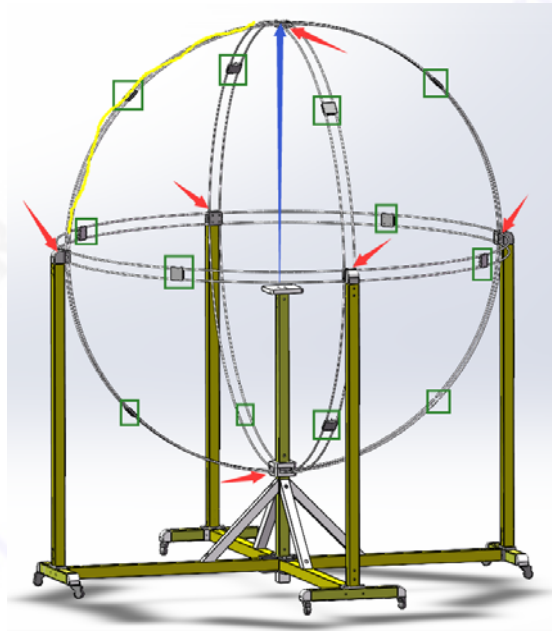


圖 1 整體外觀效果圖

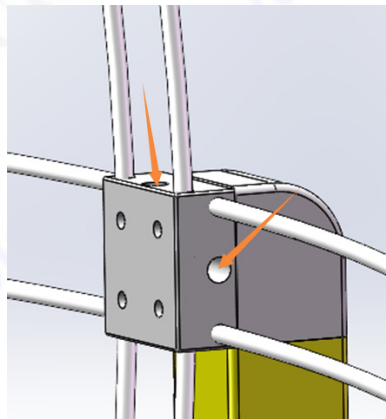


圖 2 十字連結模組（共 6 個，如圖 1 紅色箭頭所示）

- 1、頂部支撐杆（圖 1 藍色所示，使用時卸下，不使用時撐起，使頂部也有支撐點）、電纜（圖 2 橘色箭頭所示，從十字連結模組穿過）和校準天線這三部分並未在圖上模擬，但實際包含。
- 2、感測器盒和電阻盒共 12 個（圖 1 綠色框所示），出廠前已內置於“環內支撐杆”（如圖 1 黃色線所示），環內支撐杆配有穿線孔（類似圖 2 橘色箭頭所示），只需要將 12 組環內支撐杆插入 6 個十字連結模組而無需安裝約 100 個螺絲即可完成 3 環安裝，極大節約安裝時間。

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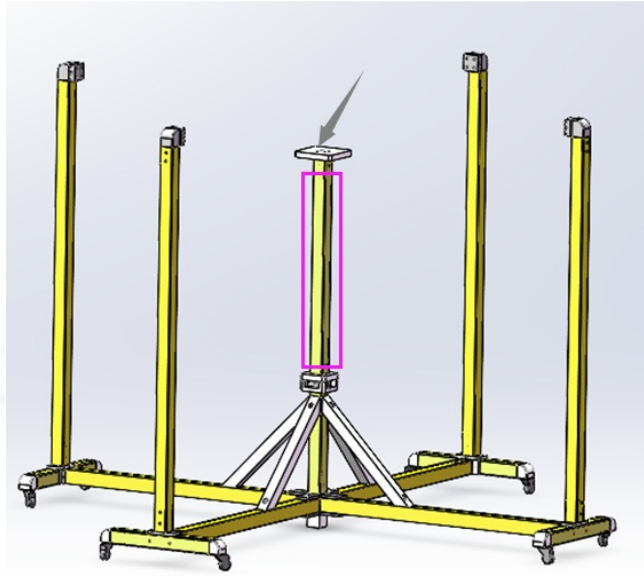


圖 3 測試載台

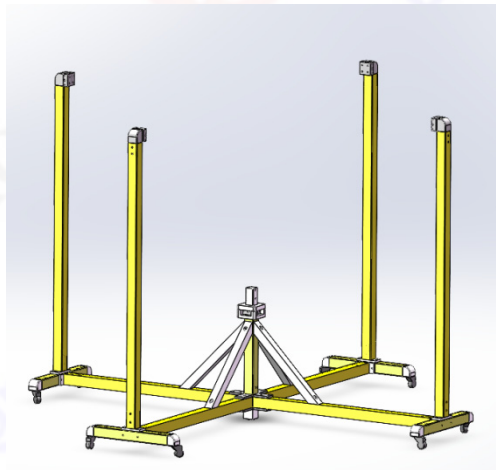


圖 4 測試載台的長杆採用套接、銷釘方式連接

- 3、圖 3 粉色圈出部分上下可伸縮，同時圖 3 灰色箭頭所示留有 M16 螺孔，方便擴展面積更大的測試載台。
- 4、圖 3 粉色圈出的可伸縮載台可卸下如圖 4 所示，方便移入校準天線使用。

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