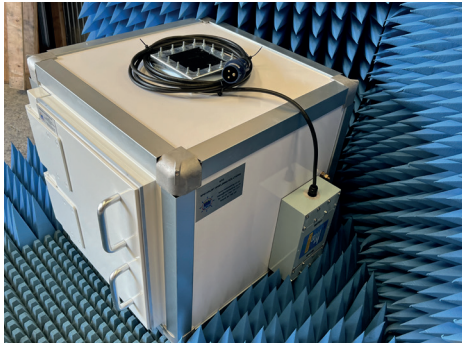




Company Bulletin

for EMC, EMP, HEMP & TEMPEST Protection

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RFI-shielded test cell manufactured and supplied by NTD Shielding Services for New York University (NYU) Abu Dhabi, surrounded here by pyramidal honeycomb RF absorbers



The MPE 16A high-performance power line filter, an integral part of the NTD shielded test cell



The campus of NYU Abu Dhabi

MPE protects the power line for 5G testing

With headquarters at St Helens, Merseyside, UK, NTD Shielding Services has grown over 25 years to become a world-leading designer, manufacturer and installer of high-performance EMC, EMI, antenna and RF test chambers, Faraday cages, 5G solutions and integrated EMC test and measurement systems.

With an outstanding and proven track record of success, MPE has recently worked on projects with NTD such as RFI-shielded EMC test chambers for both a satellite communications developer and a major UK telecoms network provider, not to mention the BBC's Research and Development Laboratory at Shepherd's Bush, West London.

Another fascinating new project has been the provision of an RFI-shielded test cell to a research group at New York University (NYU) Abu Dhabi, principally for the testing of 5G networks. An essential component to protect the unit – and its sensitive internal electrics with data-to-fibre conversion – is MPE's 16A high-performance power line filter, as pictured on the left.

MPE's EMC filter was specified here to ensure the high efficiency of the RFI shield and also the EMC compliance of the electrical system and its incoming power line. The filter manufactured by MPE for this application provides 100dB of insertion loss performance across a full frequency range extending to 18GHz.

The external dimensions of NTD's high-performance RFI-shielded test cell for NYU Abu Dhabi were a cube of 660mm and internal dimensions 40mm smaller. The single, knife-edge, left-hand hinged door provides an opening 500mm high x 430mm wide.

For more information on NTD Shielding Services, its products and services, check out www.ntdshielding.co.uk, call the company hotline at St Helens +44 (0)1744 757 277 or email sales@ntdshielding.co.uk

Details of MPE's comprehensive range of high-performance EMC power line filters can be found at <https://www.mpe.co.uk/category/installation-filters>

Alternatively, to discuss the specifics of your application, MPE's expert technical team are waiting for your call on +44 (0)151-632 9100.

