



Tokyo Tech



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<https://www.nictb5g-thz.com/> (Tokyo Tech)  
<https://tinyurl.com/ytd2z9k6> (Maxell, Ltd)



<https://youtu.be/e5ZRvM3zOrY>



## 01 | Company Introduction

Tokyo Institute of Technology and Maxell Corporation have developed high-frequency radio-wave technologies to realize Beyond 5G applications through joint development under the "Beyond 5G R&D Promotion Project Seeds Creation Type Program" promoted by the National Institute of Information and Communications Technology (JPJ012368C07401) and through collaboration in the National Institute of Science and Technology Agency A-STEP Tryout Project (JPMJTM22C5).

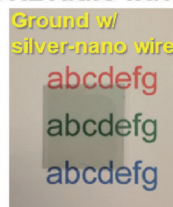
## 02 | Products Details

We have developed radio-wave absorbers, reflectors, and radomes with ultra-broadband properties. These have properties that can be used not only in the 5G millimeter-wave frequency band but also in the Beyond 5G frequency band.

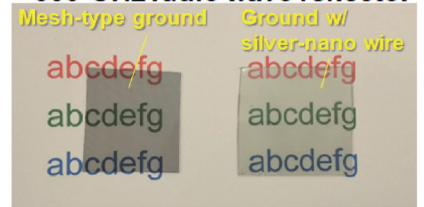
We will also exhibit our transparent and broadband 300-GHz-band products for the Beyond 5G applications. These technologies are attracting attention as the foundation for supporting next-generation telecommunications infrastructure, which is anticipated by the industry.

### Toward "Beyond 5G/6G" system!

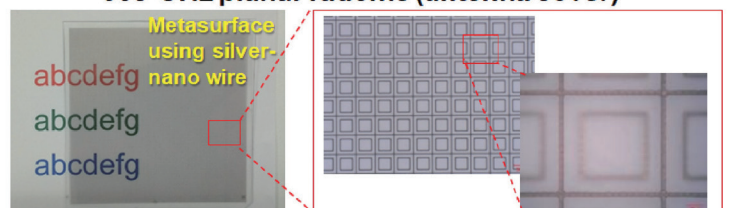
300-GHz radio wave absorber



300-GHz radio wave reflector



300-GHz planar radome (antenna cover)



Transparent&flexible, thinner than 1mm!