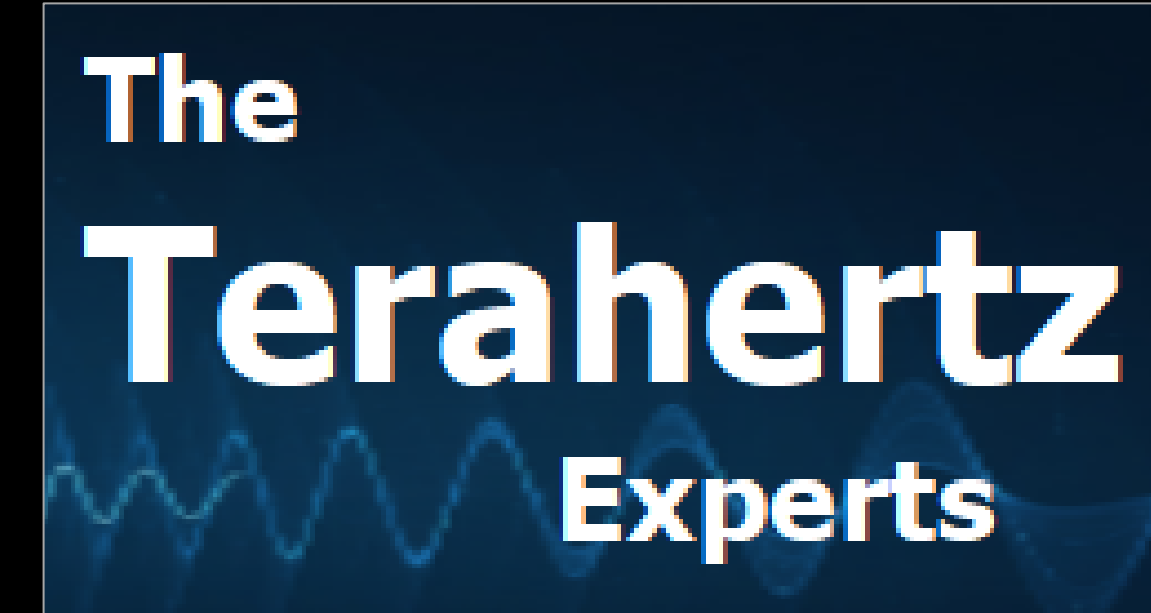
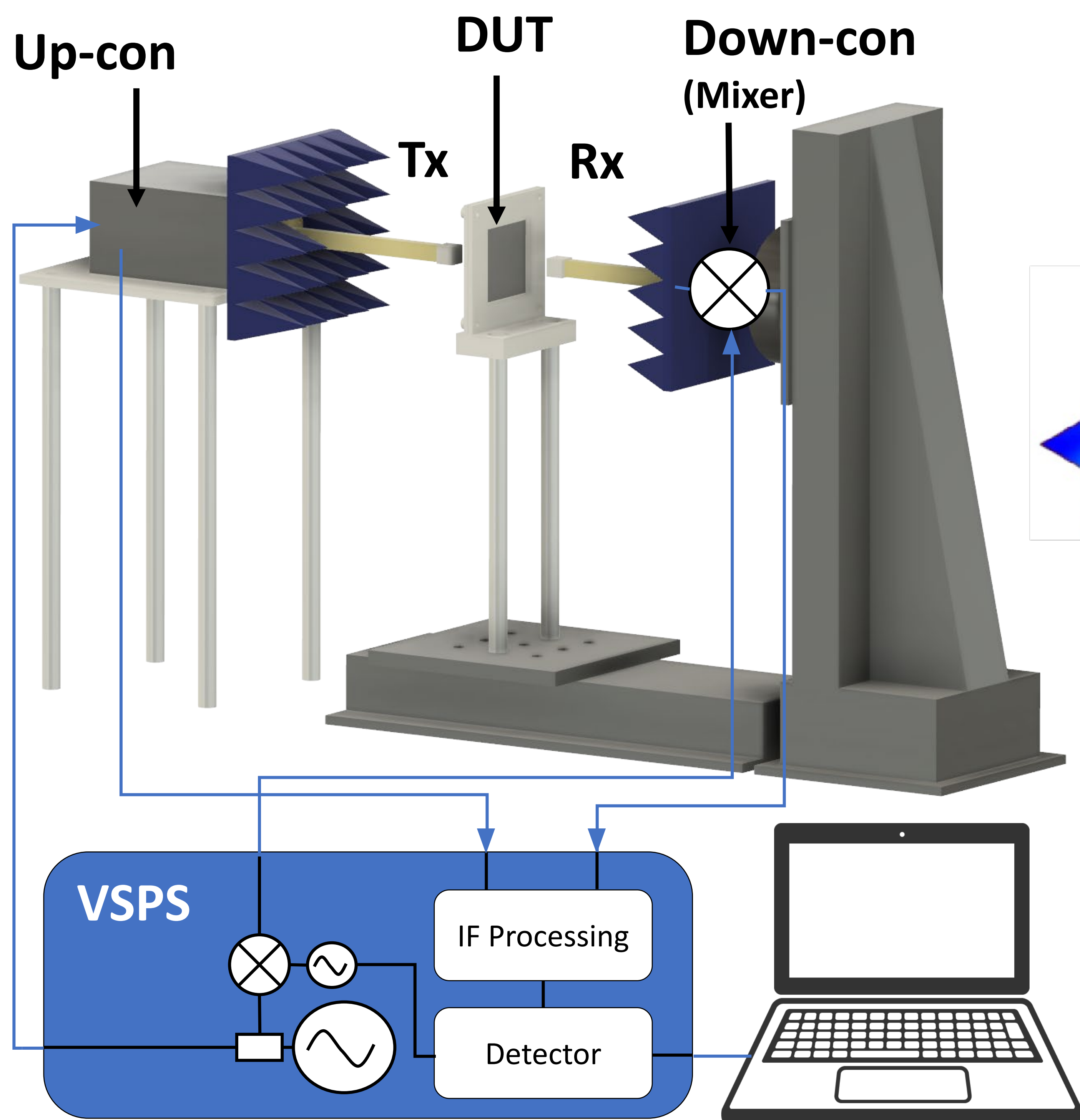


# Complex Permittivity and S11/S21 Measurement System

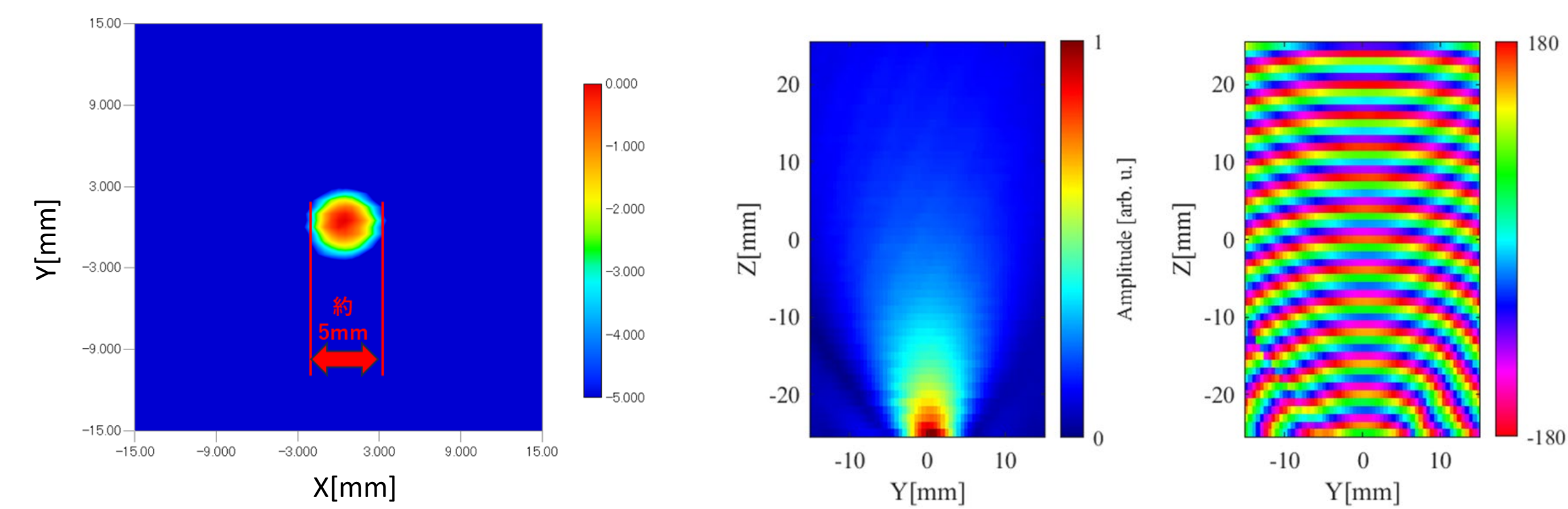
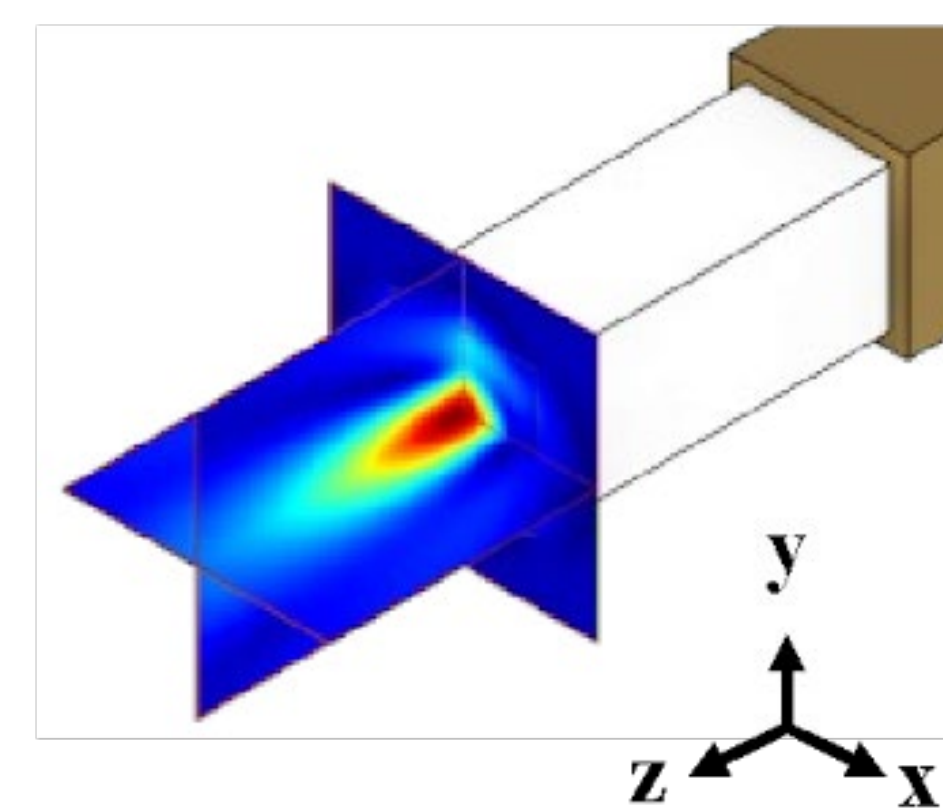


**Frequency support: 1 GHz to 110 GHz**  
**Target frequency band selection method**



Uses a unique dielectric probe

WR-10-DCP : Electric field distribution (actual measurement)



No free-space optics (lenses) required  
 Plane waves can be generated  
 Forms a spot beam

**Compact, small size DUT possible**

◆ VSPS : Proprietary vector signal processing system (alternative to 2port-VNA)  
 ⇒ **Low Cost with no VNA required**

◆ Analysis software: S11, S21, complex dielectric analysis, frequency sweep function, 2-Port calibration function, multipath processing

Selected frequency band

Frequency
18 ~ 25GHz
27 ~ 42GHz
40 ~ 60GHz
50 ~ 75GHz
70 ~ 85GHz
10 ~ 18GHz
E (60 ~ 90GHz)
W (75 ~ 110GHz)

Web: <https://thzexperts.com>

Tel: +49 381 3677 96640 Mail: [contact@thzexperts.com](mailto:contact@thzexperts.com)

