



Keysight N1055A + Probe Positioner

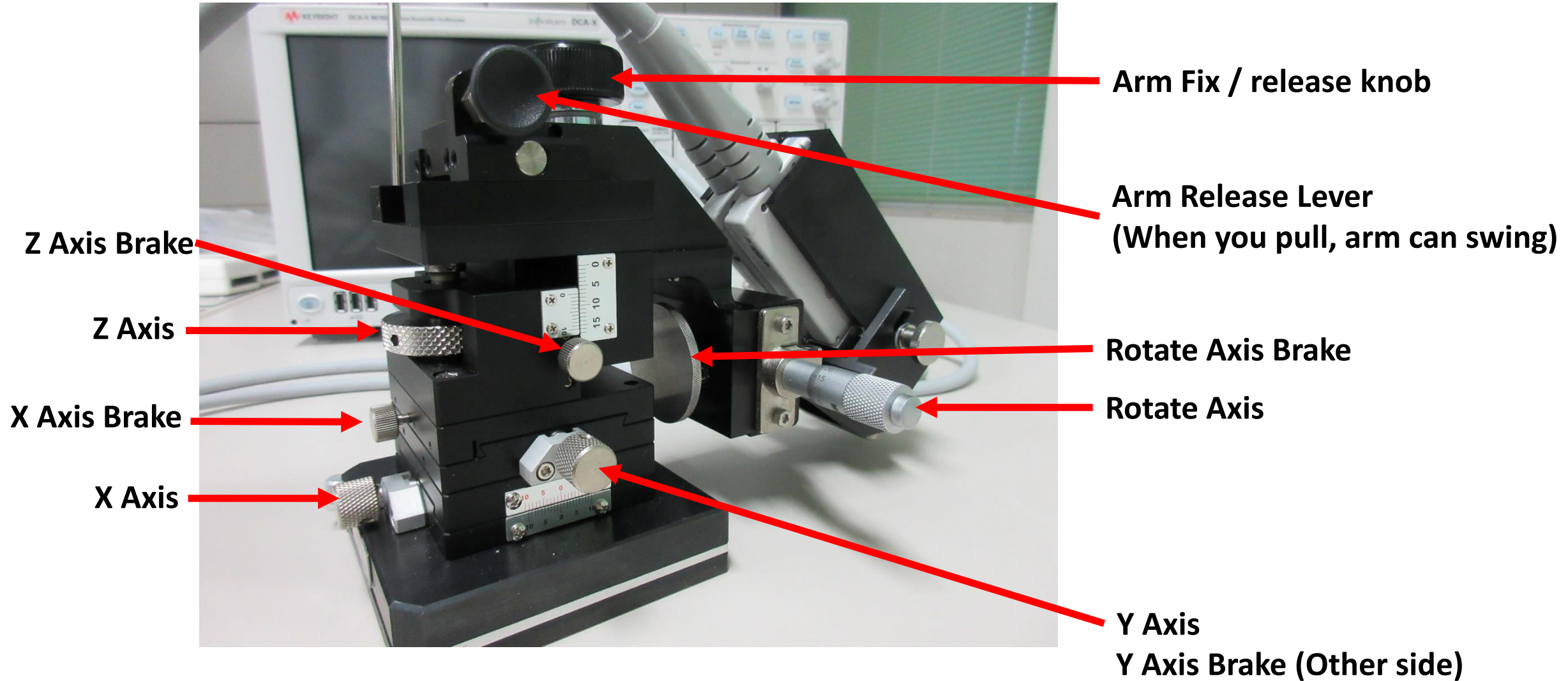
RF • Microwave Measurement Solution

T Plus Co. Ltd.

N1055A and Positioner

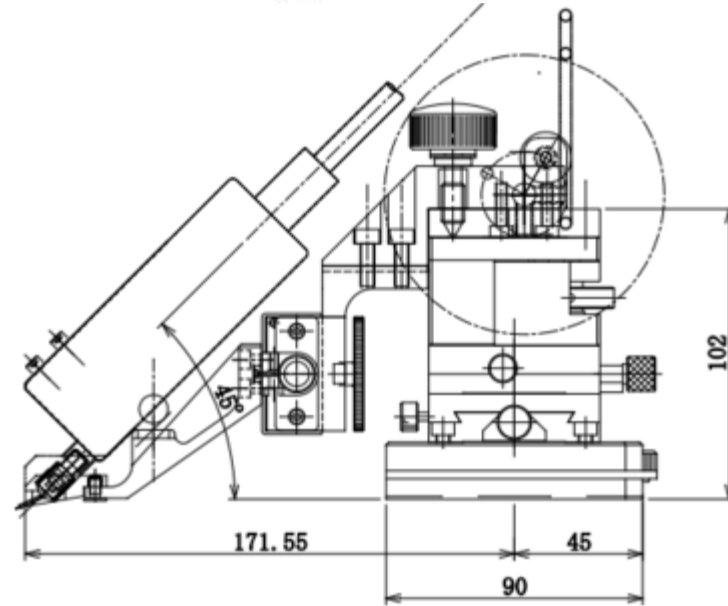
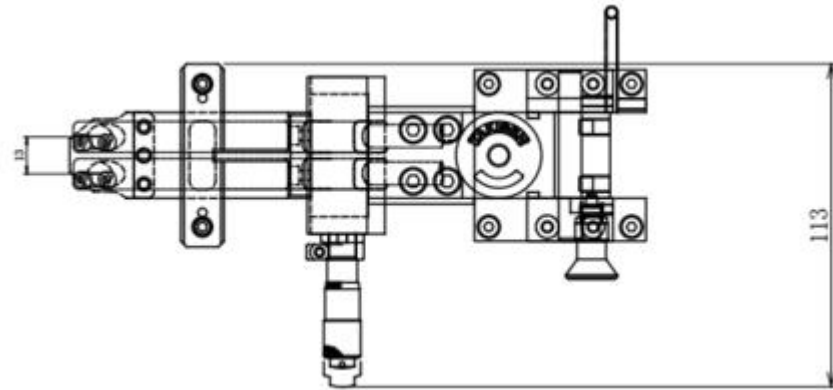


Positioner

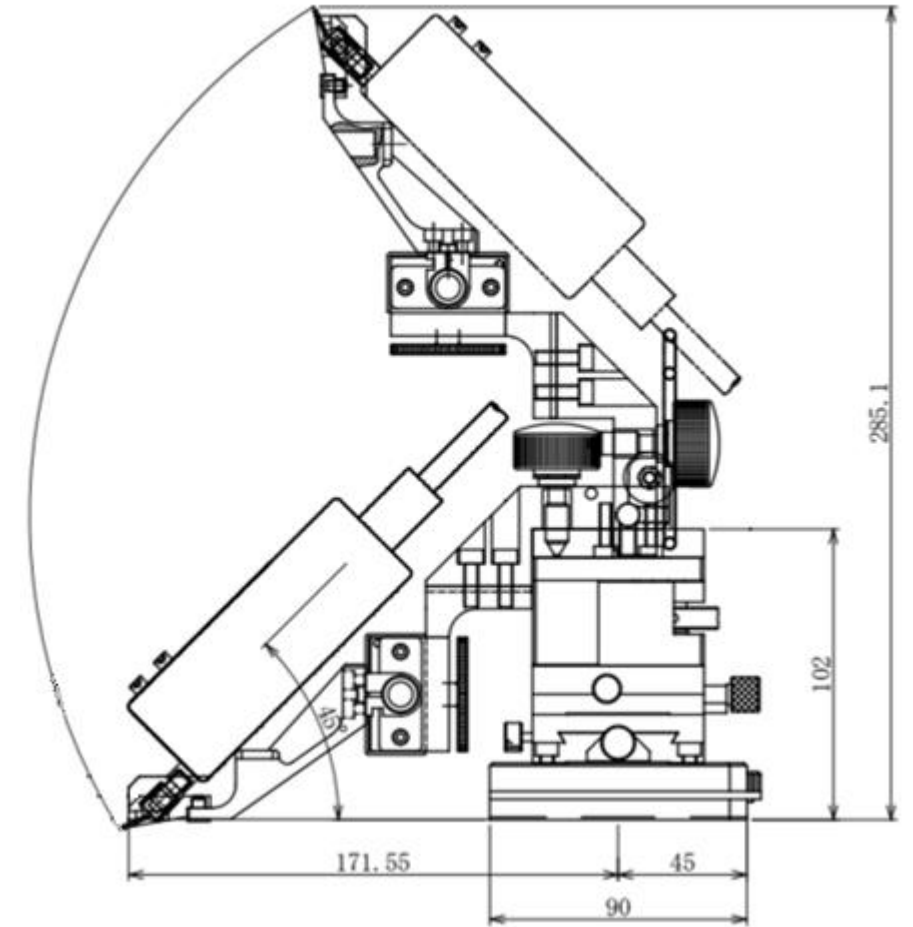


Positioner Moving Range & Dimension

Axis	Unit	Range
X	mm	+/- 10
Y		
Z		
θ	deg	+/-3
SWING (Probe Attach)		90



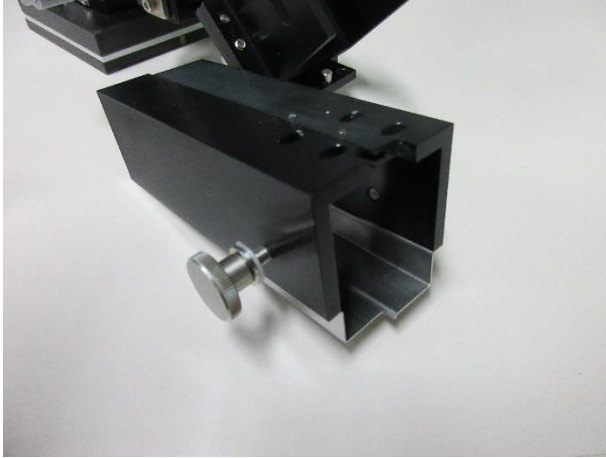
Measurement



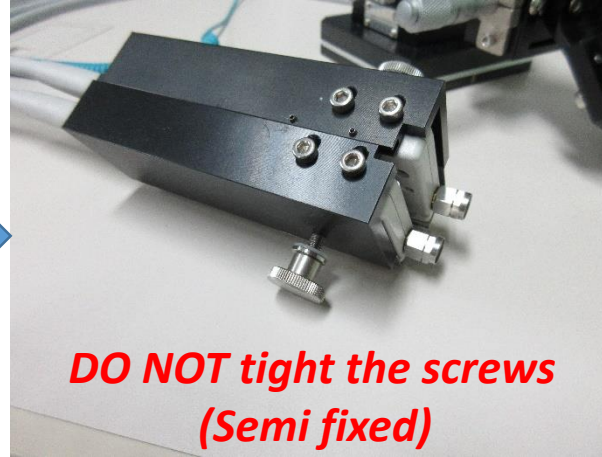
Lift Up (Probe Attachment)

How to attach N1055A

1. Take off N1055A cassette.



2. Attach N1055A to the cassette



3. Swing Probe arm



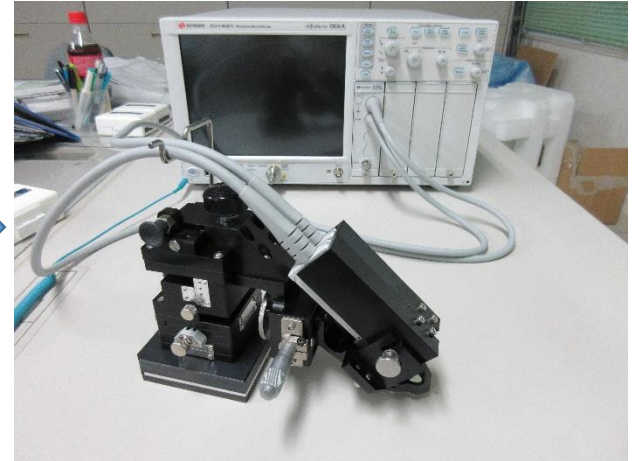
4. Attach the probe (From the bottom)



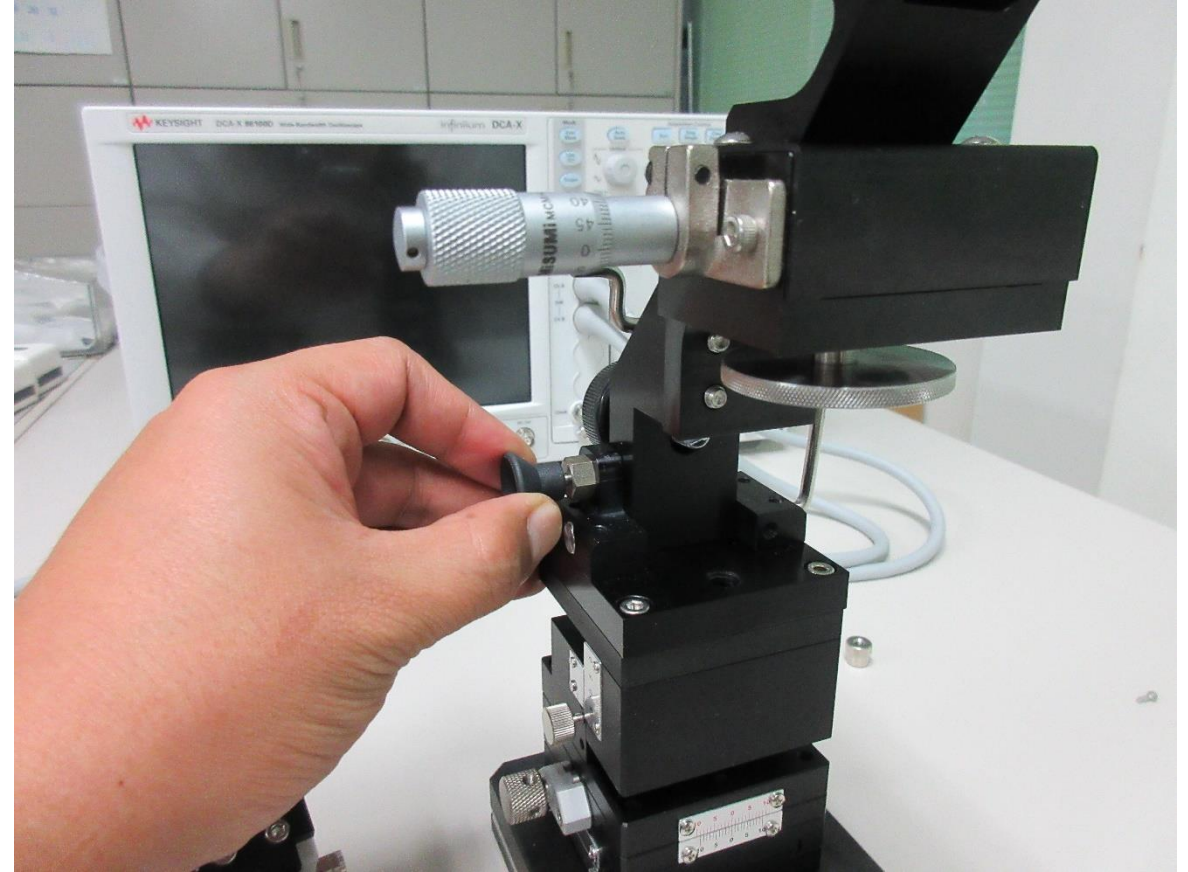
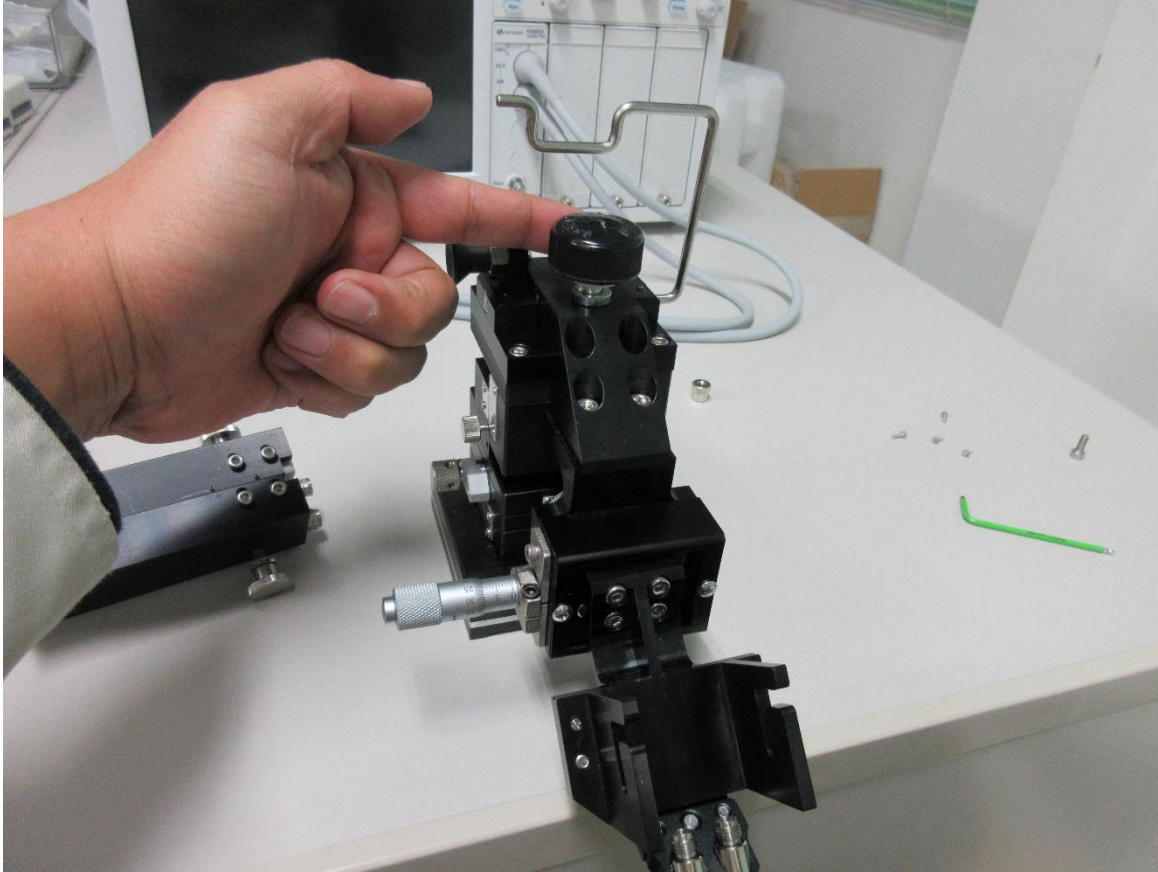
5. Connect N1055A to probe



Final



Positioner



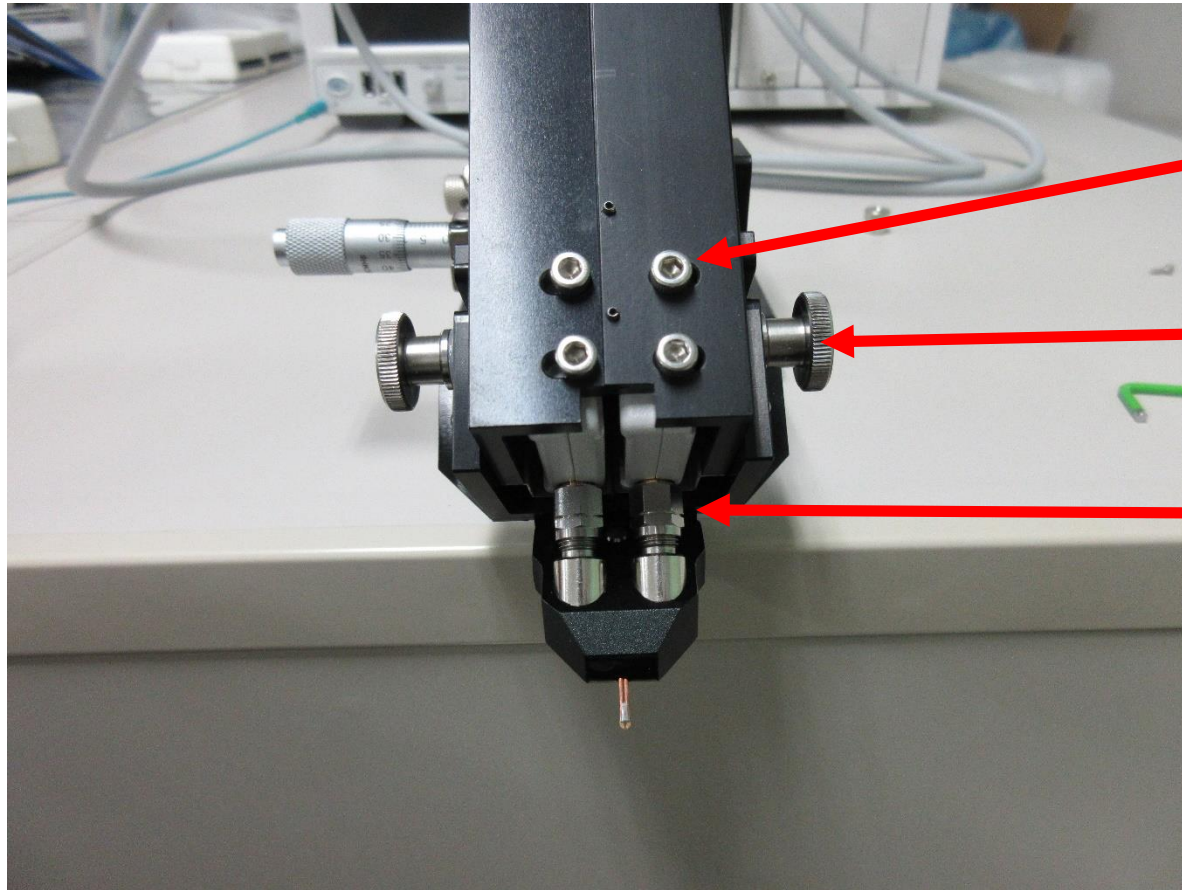
Swing UP

1. Loose the swing knob.
2. Pull arm release lever
3. Swing up.

Swing DWN

1. Pull arm release lever
2. Swing DWN
3. Tight the swing knob

Positioner



3. Gradually tight N1055A to the cassette



2. Gradually tight N1055A cassette to Positioner

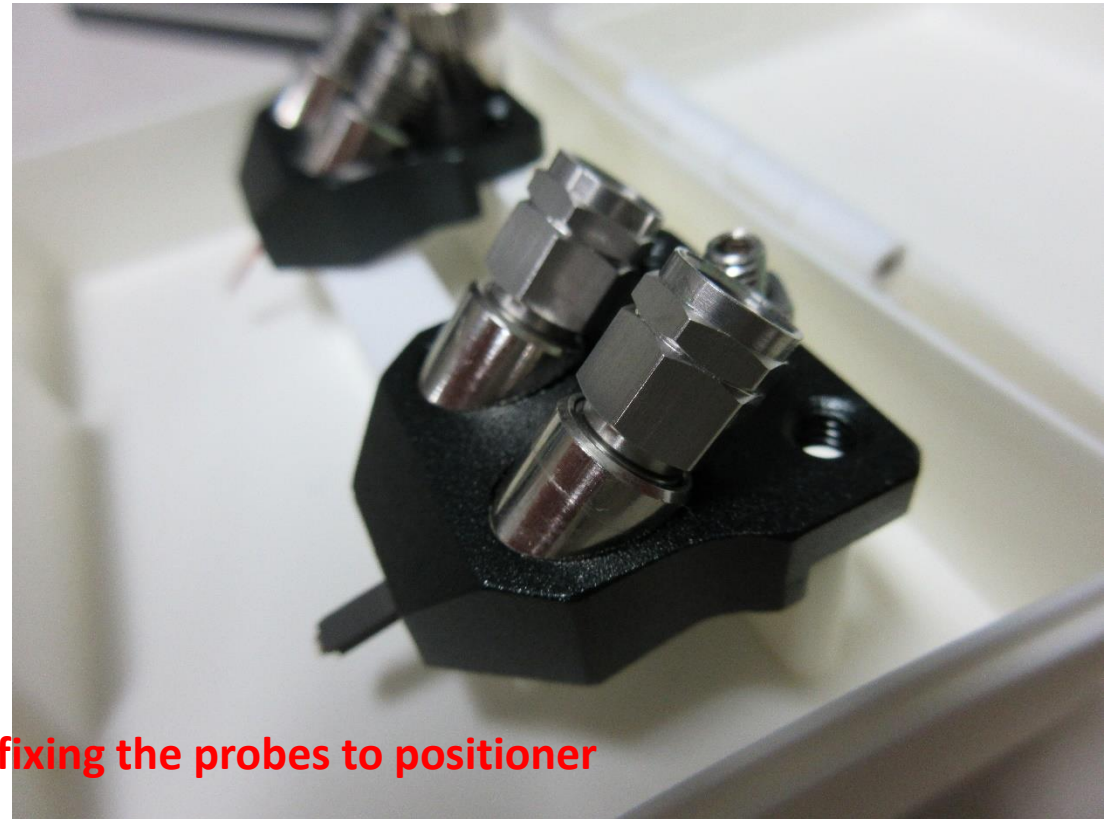


1. Connect N1055A using torque wrench

TDR Probe DC-40GHz / DC-50GHz



Female Connector Probe



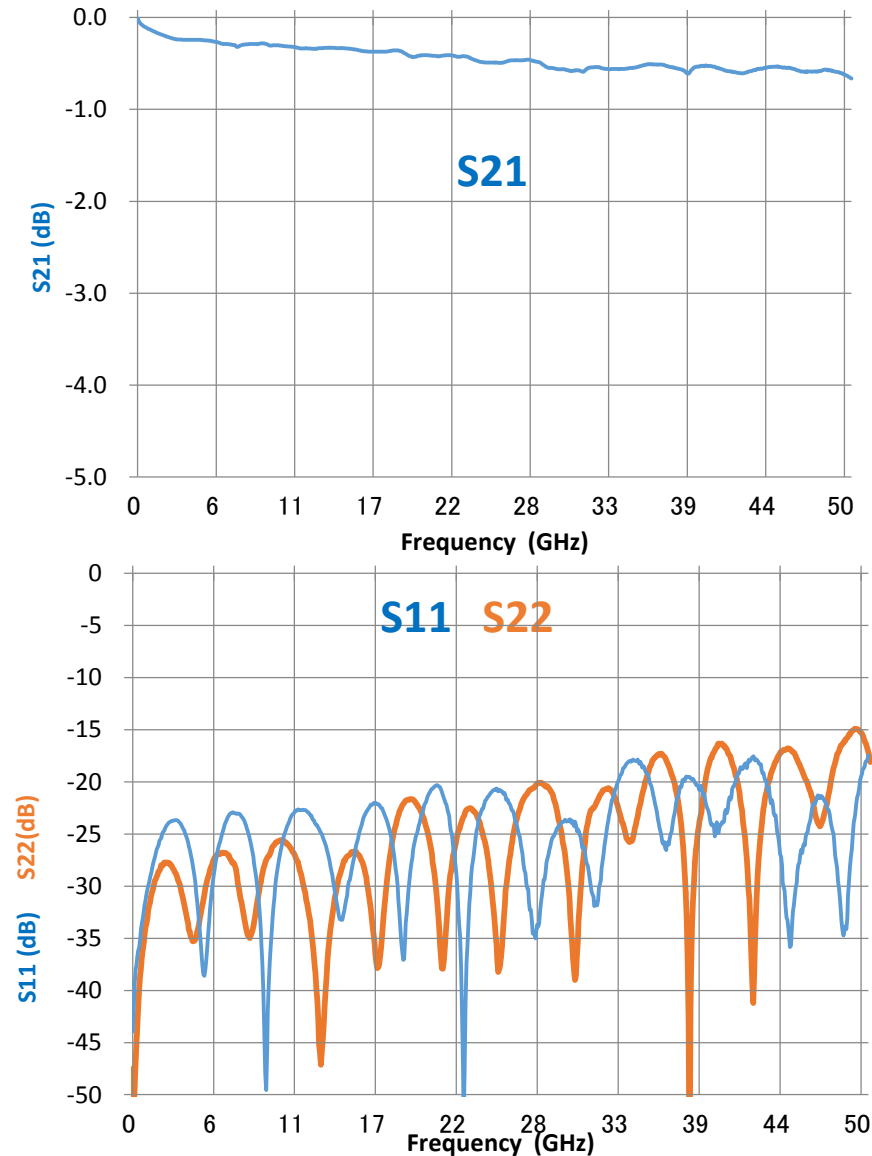
Male Connector Probe

Special Design Probe Body for N1055A positioner, NOT compatible attachment with standard RF probe body

Performance

Parameter	DC-40GHz	DC-50GHz
Connector	2.92mm (Male / Female)	1.85mm (Male / Female)
Pitch	50um to 1000um	
Configuration	GS, GSG, GSSG, and GSGSG	
DC voltage	100V	
DC current	1A	
RF Power @ 10GHz max	5W	
Contact resistance on Au	0.05 ohm	
Probe Tip Material	Ni Alloy	
Characteristic Impedance (GS, GSG, GSSG and GSGSG)	50 ohm	
Characteristic Impedance (Only for GSSG)	Coupling 100ohm (Pitch TBD)	
Calibration Substrate	Available for 50ohm probes	
De-Embed File	Available for both 50 and 100ohm	
Typical Insertion Loss (GSGSG-150um Pitch)	1dB	
Typical Return Loss (GSGSG-150um Pitch)	15dB	

Typical Performance up to 50GHz : GSGSG-150um pitch

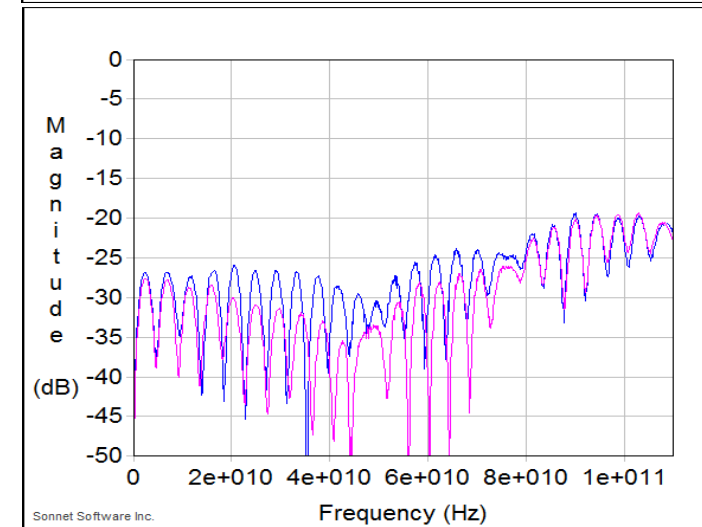
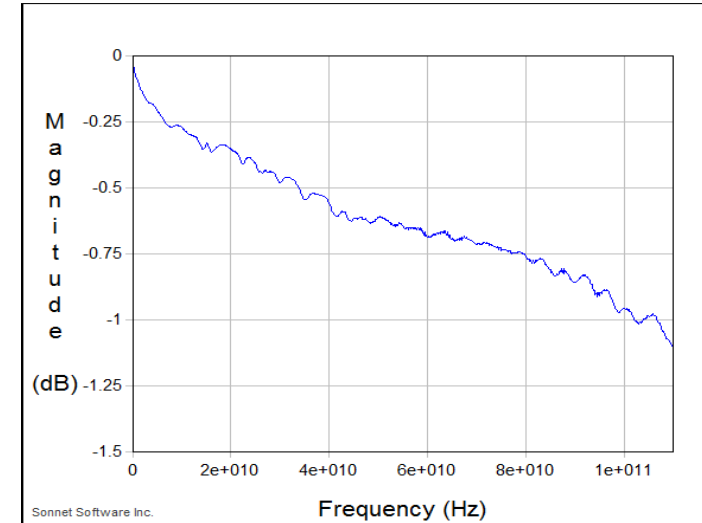
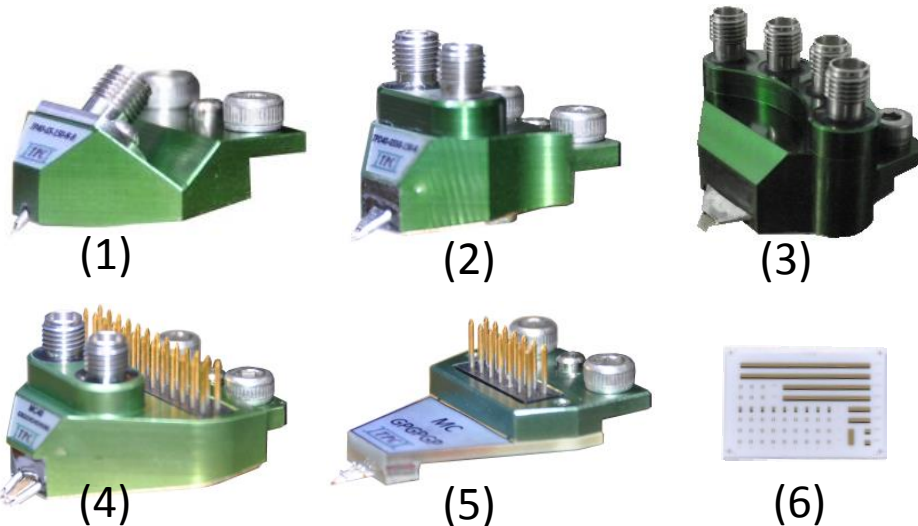


Standard & Custom RF Probes

Typical Performance up to 110GHz : GSG-150um pitch

T Plus Produce Various of probes

- 1) Standard Single RF Probe: up to 110GHz
- 2) Standard Dual RF Probe: up to 67GHz
- 3) Custom Fabrication RF Probe: up to 67GHz / up to 10RF Ports
- 4) Custom Fabrication DC+RF Probe: up to 67GHz / 2RF and 26DC
- 5) Custom Fabrication DC Probe: up to 36pin (with decoupling Cap)
- 6) Calibration Substrate (Custom Fabrication Available)



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