

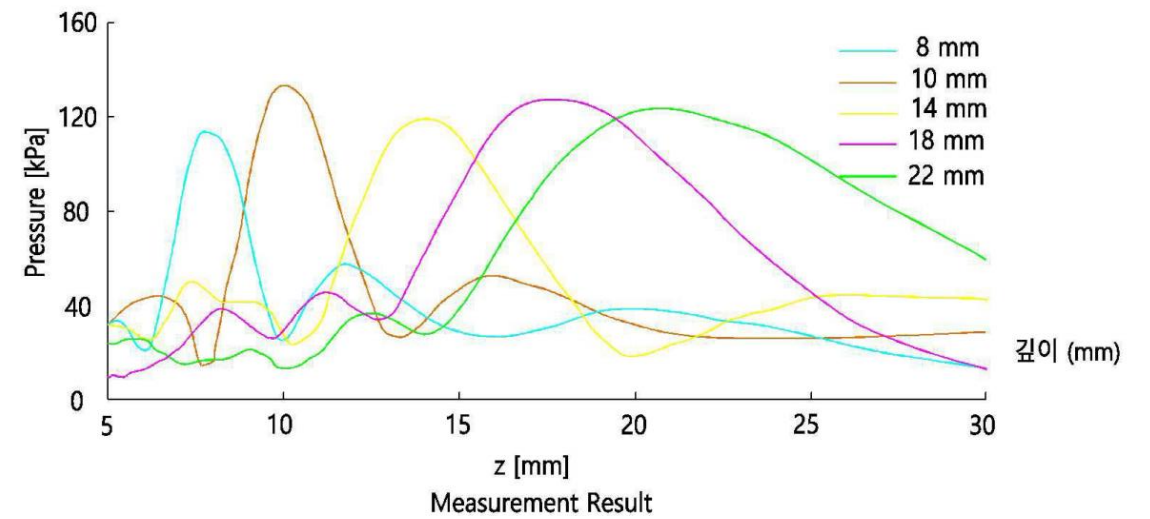
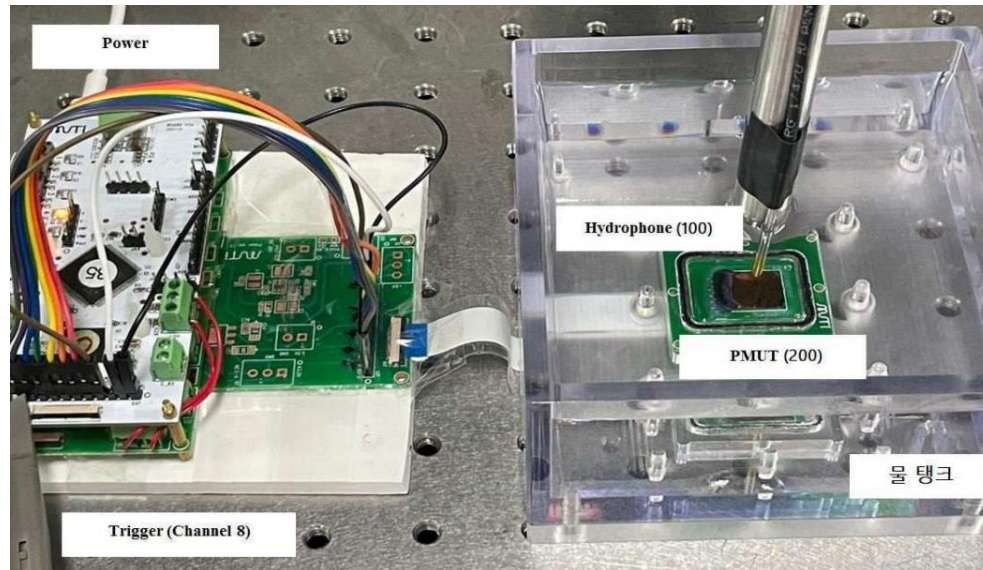
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Focused Pressure Consistency

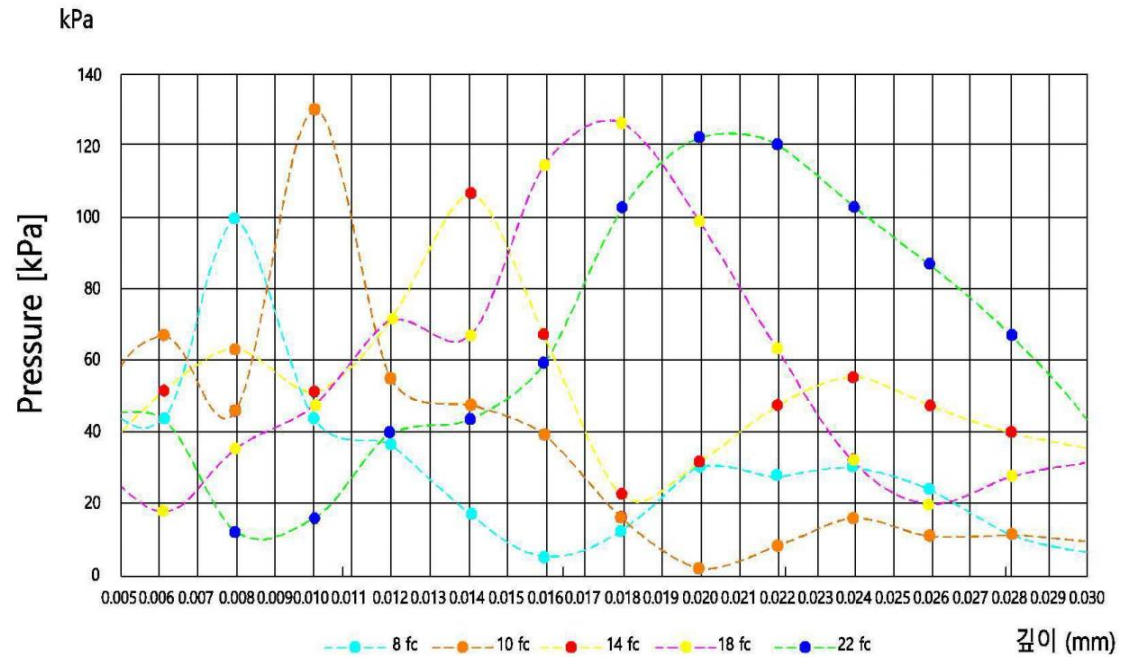
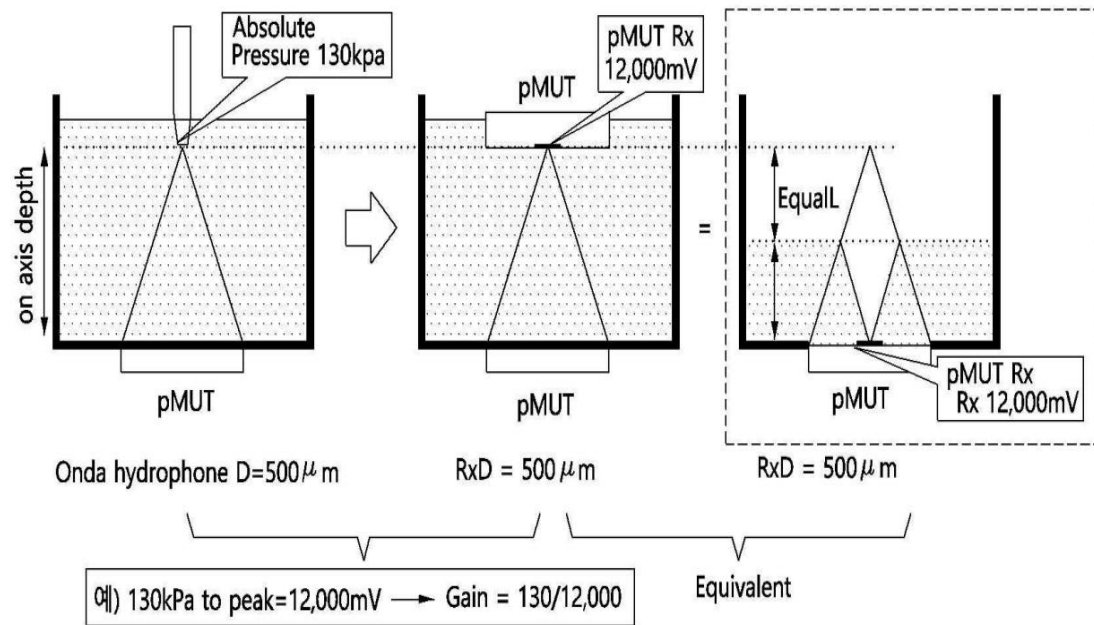
< 10% Pulse-echo Signal

Hydrphone Response for focal points

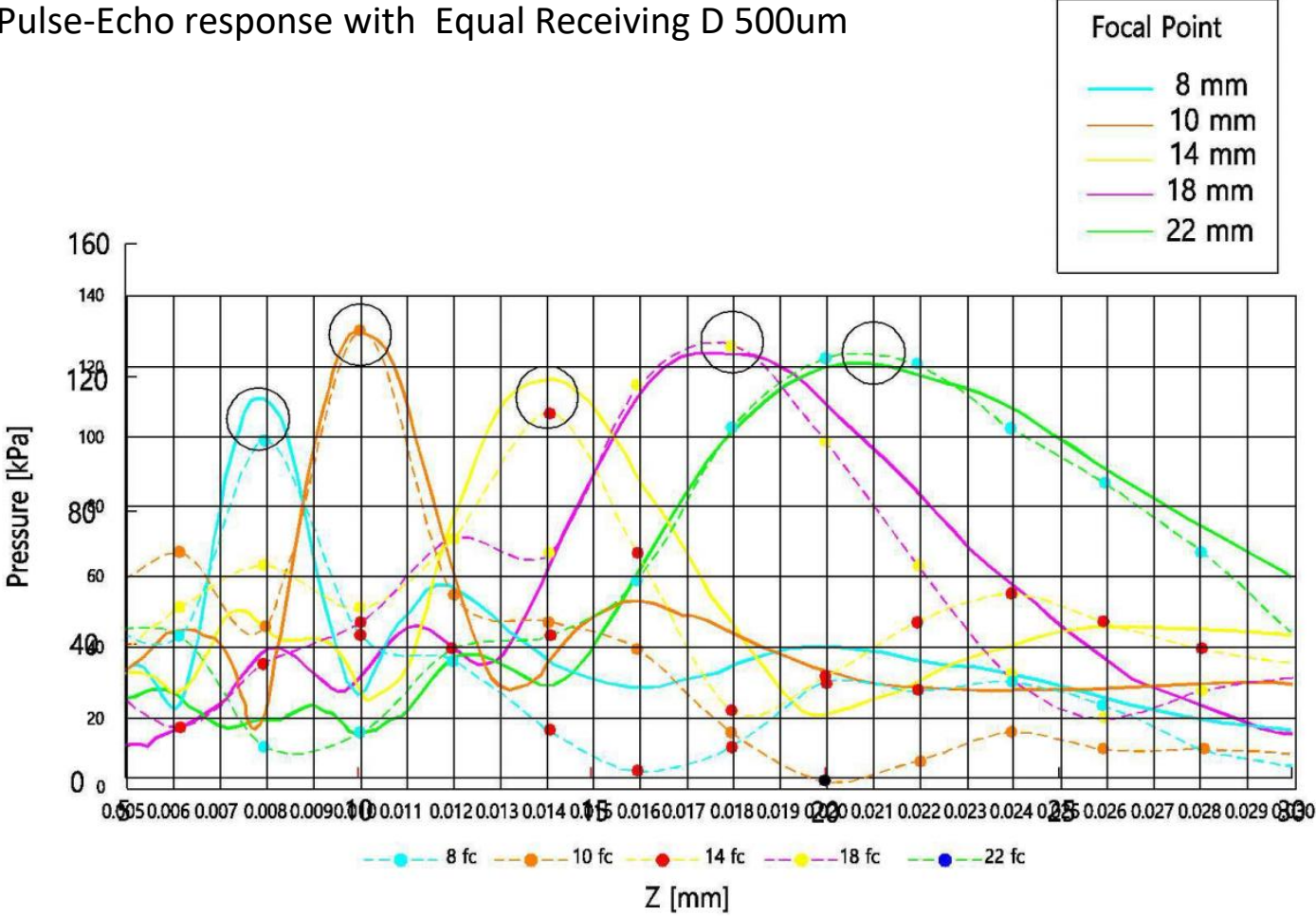


Pulse-echo Response for focal points

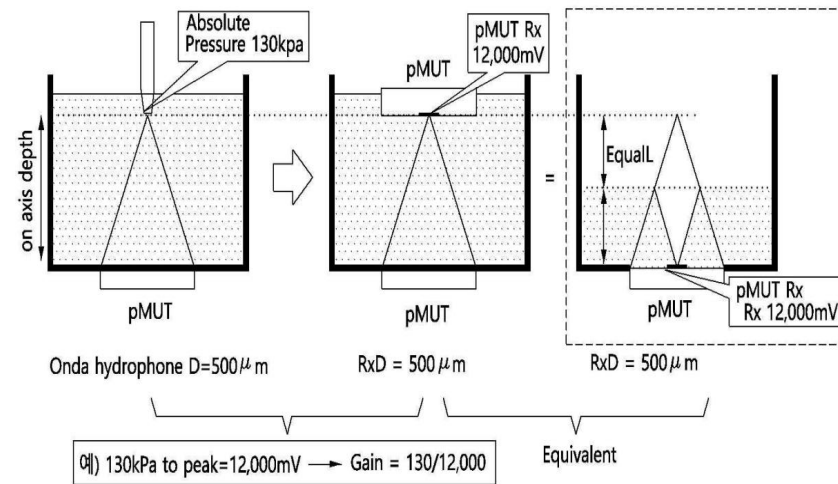
Rx mV converted to kPa with Gain of (130kPa /12000 mV)



Hydrophone vs. Pulse-Echo response with Equal Receiving D 500um

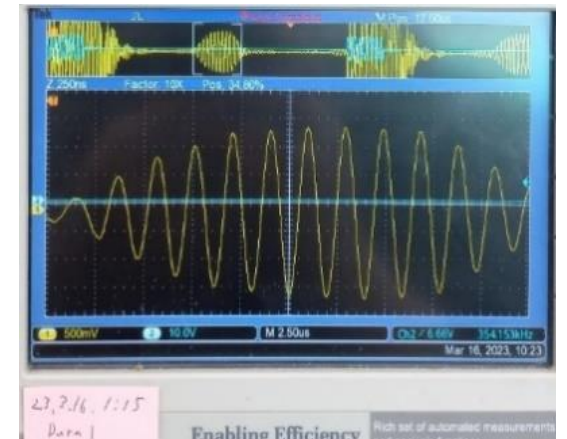


Consistency Evaluation Setting



For Osilloscope Evaluation , Rx pre-resister 500 ohm added to the Rx mV and, Pulse-Echo mV is around 3000 mV at 10mm focusing Pulse-Echo

After life time durability test using two pMUT chips, $2800 < \text{Rx mV} < 3300$ evaluated, then, Transmitting focusing Pressure variances $< 10\%$ are confirmed indirect way.



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