SAMSUNG

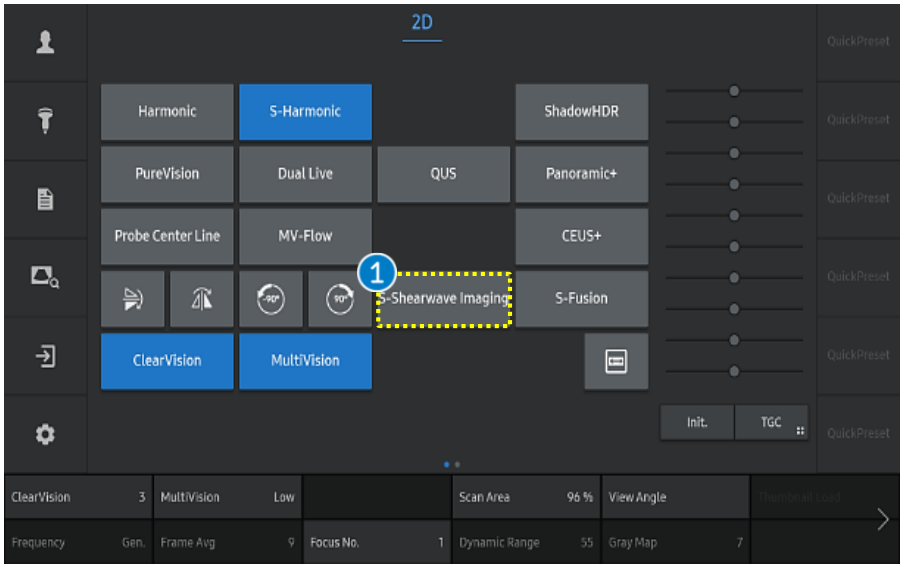
S-Shearwave Imaging™

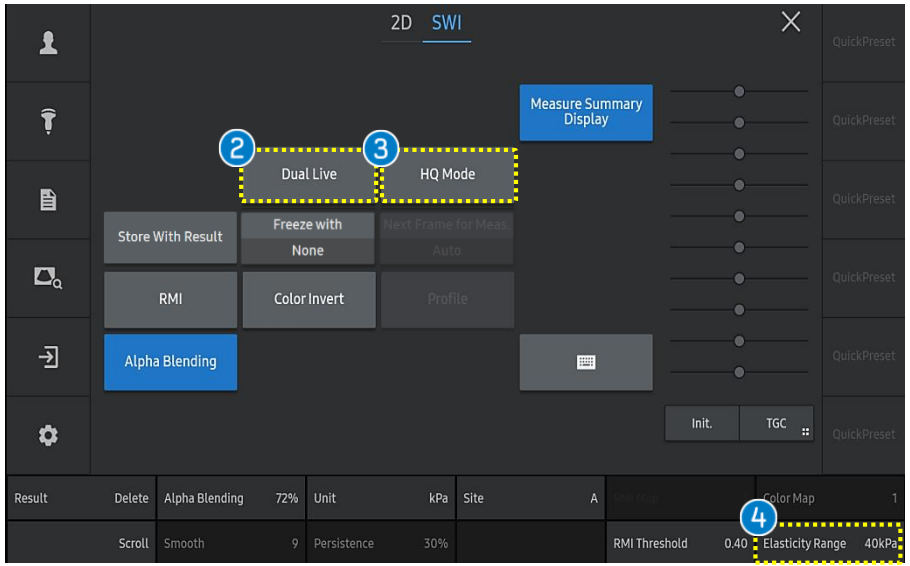
RS85 Prestige User Quick Guide

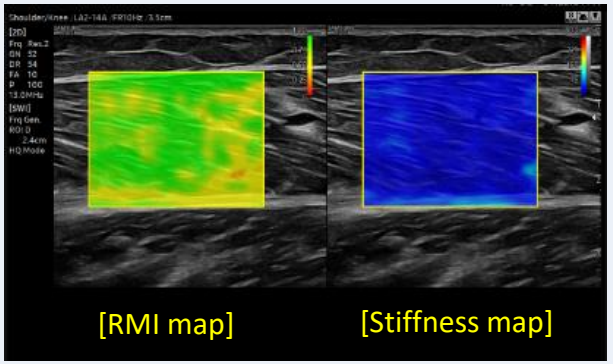
for MSK

Produced by Clinical Training Center / SAMSUNG MEDISON CO.,LTD

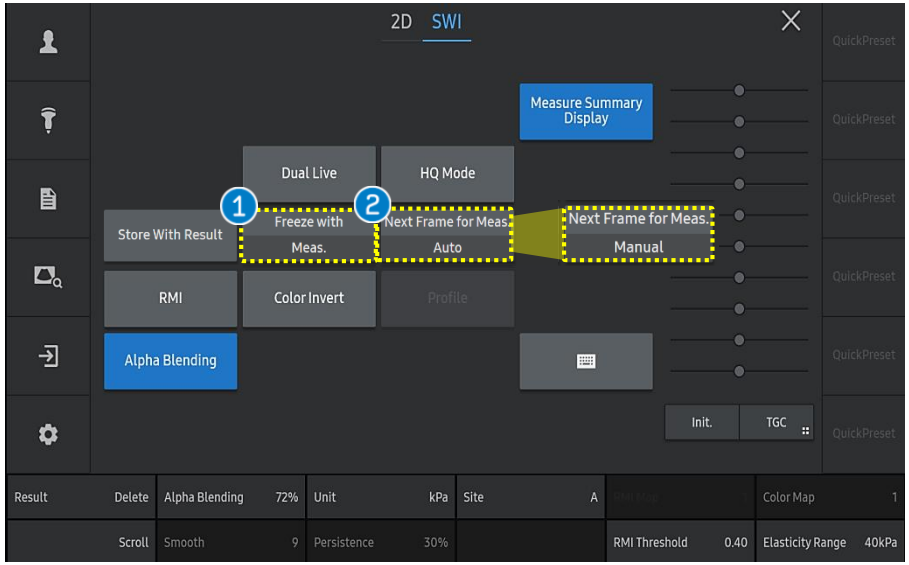
1. Start S-Shearwave Imaging™

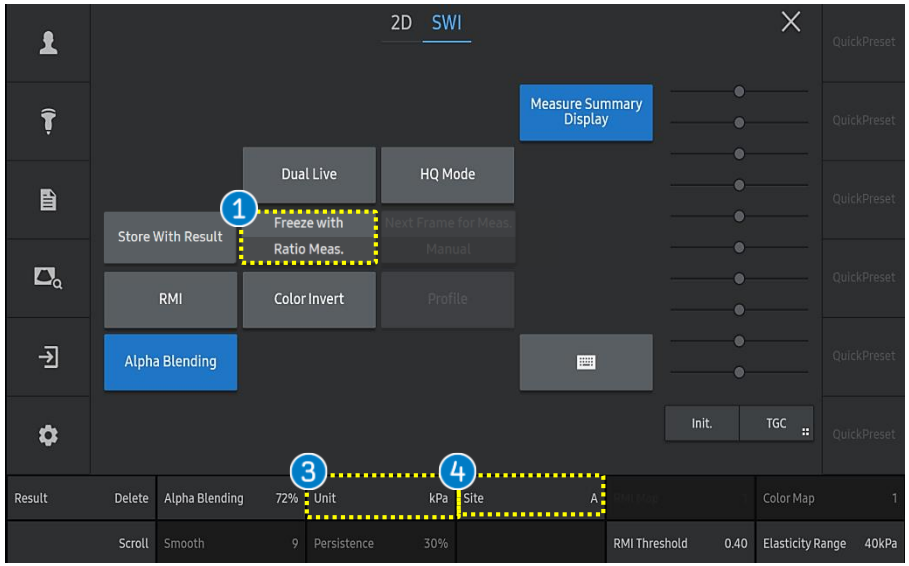


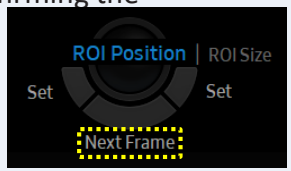


① S-Sherawave Imaging	Tap the [S-Shearwave Imaging] on the touch screen to start.
② Dual Live	It displays both stiffness map and RMI map or 2D images in real time. 
③ HQ Mode	With this [HQ Mode], it provides high resolution image.
④ Elasticity Range	It is to change the color stiffness map range. If you change the [Elasticity Range], color map within ROI and the color of elasticity bar also will be changed accordingly.

2. Measure the Elasticity (1)





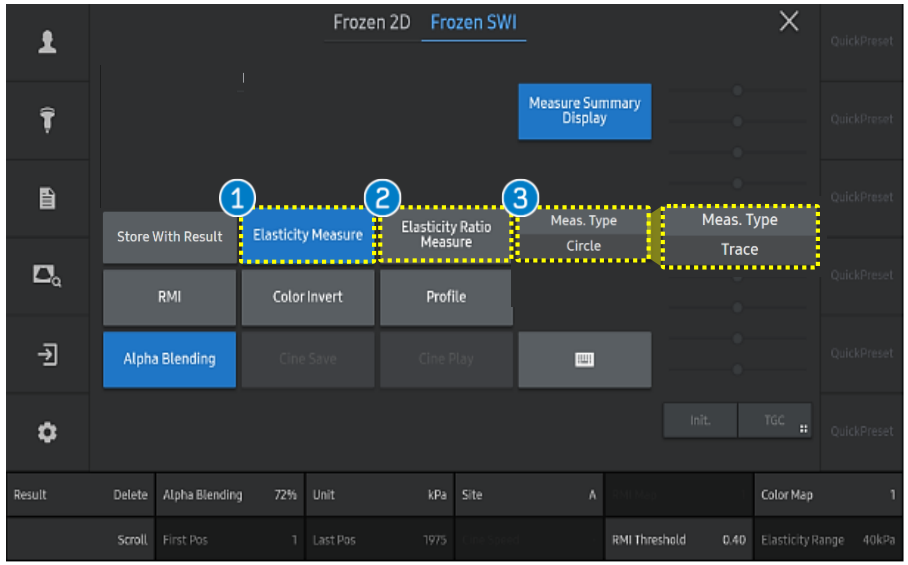
1 Freeze with Meas./ Ratio Meas.	Starts Elasticity Measurement/Elasticity Ratio Measure when pressing Freeze.
2 Next Frame for Meas.	▪ Auto: Automatically moves to the next frame after confirming the measurement by pressing [Set] button. ▪ Manual: Moves to the next frame by pressing [Next Frame] after confirming the measurement. 
3 Unit	It is to change the unit of an elasticity value. ▪ he unit [kPa] is based on Young's modulus. ▪ The unit [m/s] is for Shearwave speed.
4 Site	It is to change the ROI site.

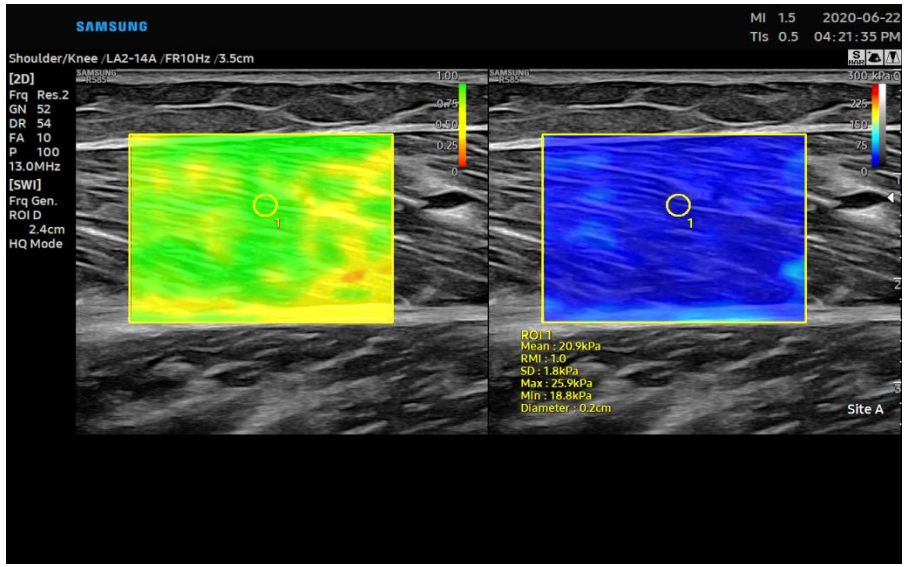
Notes

The Next Frame direction can be selected between Forwards or Backwards in the Setup page.

Setup (Imaging ▶ Features ▶ S-Shearwave Imaging ▶ Next Frame Direction ▶ **Forward / Backward)*

2. Measure the Elasticity (2)





[Elasticity Measure]

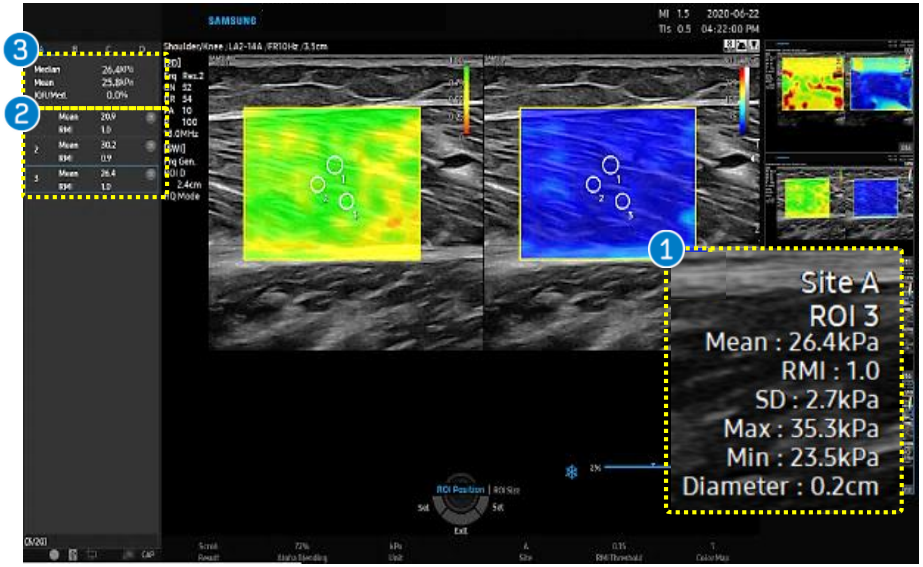
① Elasticity Measure	Tap the [Elasticity Measure]button. ▪ You can adjust ROI size using change key. ▪ Press the [Set] button to save the value. ▪ When moving the trackball, it copies additional ROI for next measurement.
② Elasticity Ratio Measure	Tap the [Elasticity Ratio Measure] button. ▪ Place the first quantification ROI on the **area of interest** within the elasticity ROI and press the [Set] button. ▪ Place the second quantification ROI on the **reference** are within the elasticity ROI and press the [Set] button.
③ Meas. Type	Select the measurement of ROI type between **Circle** or **Trace** type.

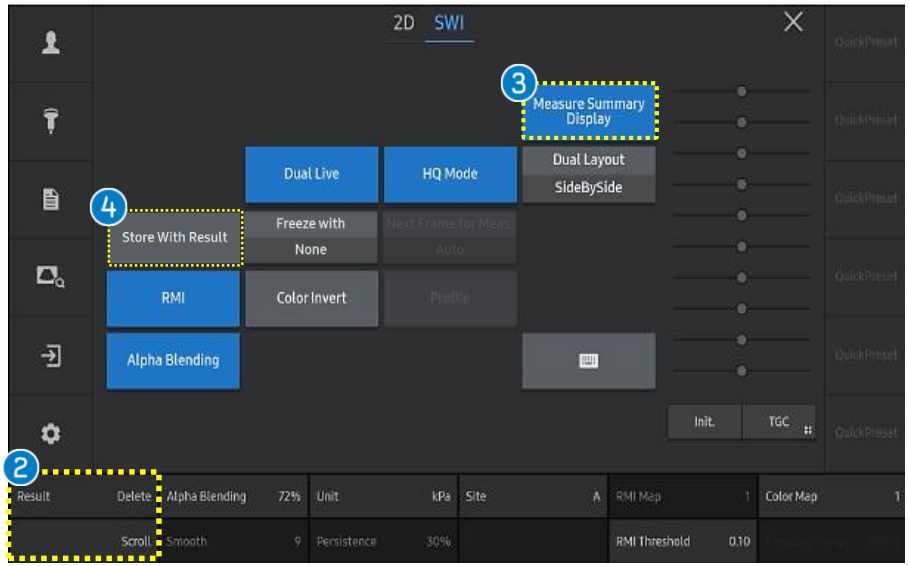
Notes

If Next Frame for Meas. is used, the location of the measurement ROI to the next frame can be set in the Setup page.

Setup (Imaging ▶ Features ▶ S-Shearwave Imaging ▶ Next Measurement Cursor Display Position ▶* ***Center of ROI / Keep Last Position**)*

3. The results





① Result box	The stiffness results within quantification ROI are displayed. **Mean**: Mean elasticity value in ROI **SD**: Standard deviation in ROI **Min**: Minimum elasticity value in ROI **Max**: Maximum elasticity value in ROI **Diameter**: Diameter of ROI box
② Stiffness Result	▪ Available to view the measured results. ▪ It can scroll the result using [Scroll] button. If you want to delete the result individually by pressing the [Delete] button or selecting ⊗ icon.
③ Measure Summary Display	Available to select the measure summary (Median, Mean, IQR, IQR/Med value) to be displayed on the result or not.
④ Store with Result	Saves the image including the measurement results area.

- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, fore more detail, please refer to RS85 User Manual.
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- This User Quick Guide is based on RS85 V2.08.01
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