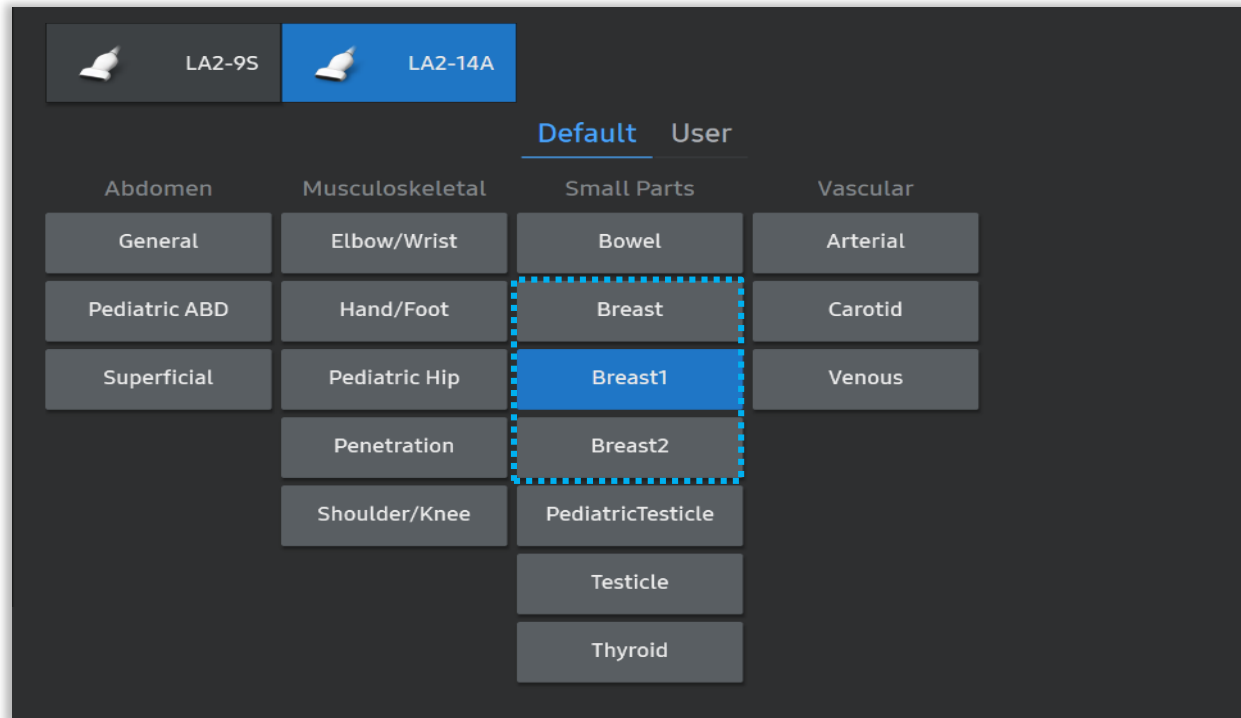


## Live BreastAssist™ + S-Detect™ for Breast RS85 Prestige User Quick Guide



# 1. Probe and Preset

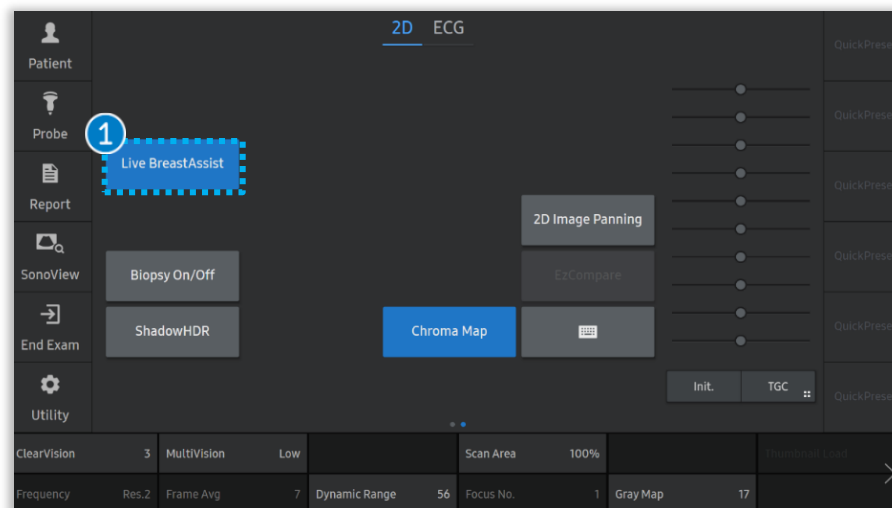


※ Available application and preset

<b>Probe</b>	All Linear Probe (Except LA3-16AI)
<b>Application</b>	Small Parts
<b>Preset</b>	Breast, Breast1, Breast2

※ Adv. Breast, Dense Breast presets are also available in LM2-18 Probe

## 2. Start Live BreastAssist™



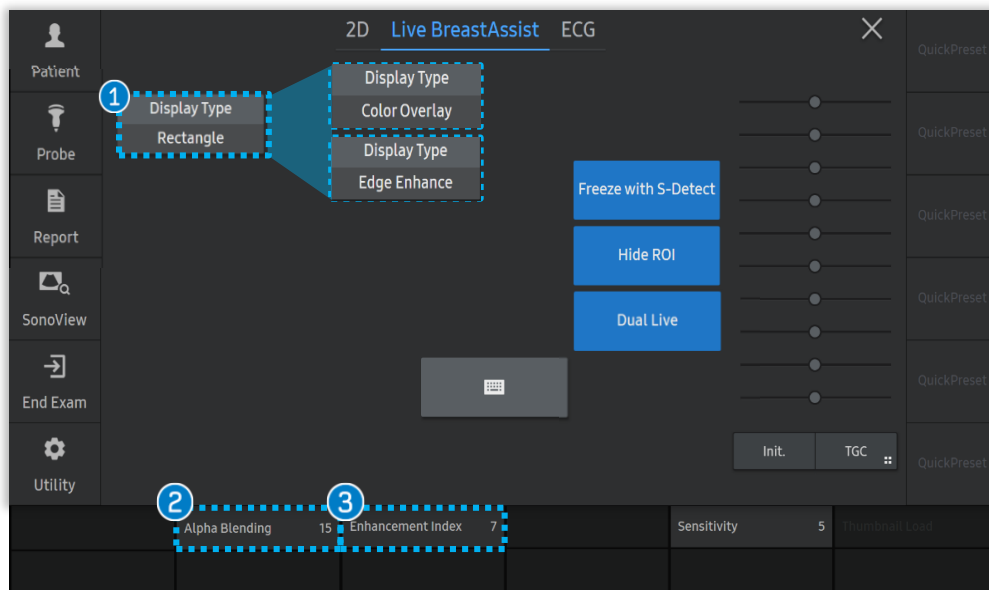
### 1 Live BreastAssist

Select the [Live BreastAssist] button on the touch screen.

### Notes

- Adjustable B-Mode Parameters are [Gain] & [TGC].
- Detection rate can be affected by Gain, TGC control. It would be decreased if image Gain is too low.
- Dynamic Range would not give an affect to the Live BreastAssist™'s detection ability.
- Frame rate can drops in ShadowHDR™.
- When it detects both normal tissue like a fat and lesion together, slightly changing the probe angle would be helpful to exclude the ROI on the normal tissue while maintain the lesion ROI.
- [Live BreastAssist] ON status can be saved on User preset, to run it automatically with a specific preset.

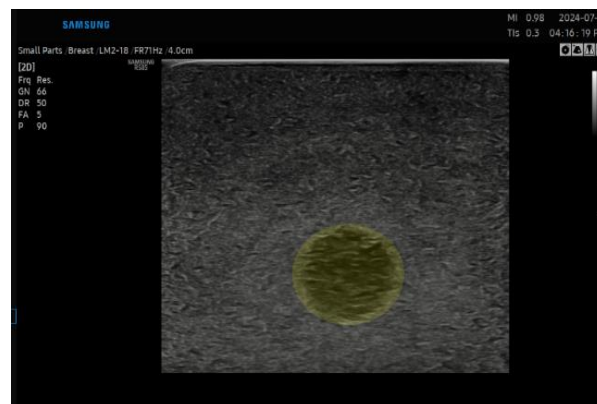
# 3. Display type



① Display Type	Rectangle	ROI box will be appeared on suspicious area.
	Color Overlay	Overlay color will be appeared on suspicious area.
	Edge Enhance	The enhanced image will be appeared on suspicious area.
② Alpha Blending		User can set the transparency. (Range 1-100, Default 15) <i>* Only activate it with Color Overlay type</i>
③ Enhancement index		User can set the edge strength. (Range 1-10, Default 7) <i>* Only activate it with Edge Enhance type</i>



Rectangle

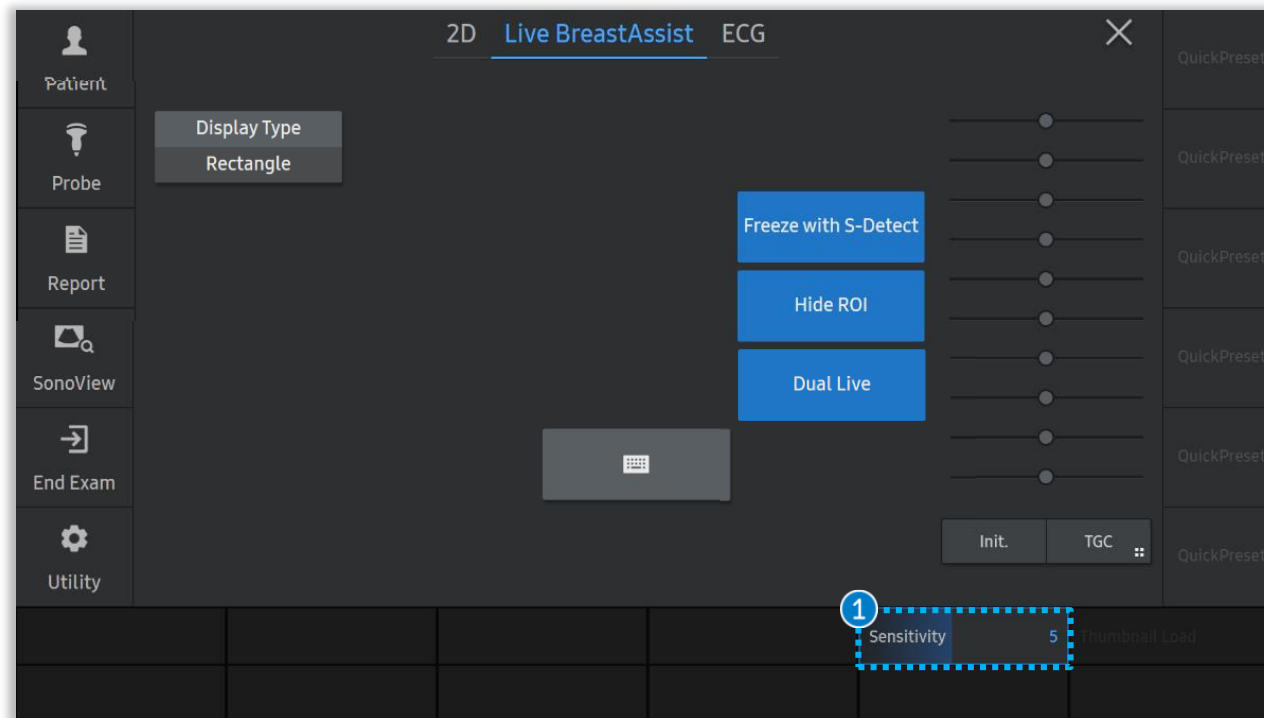


Color Overlay



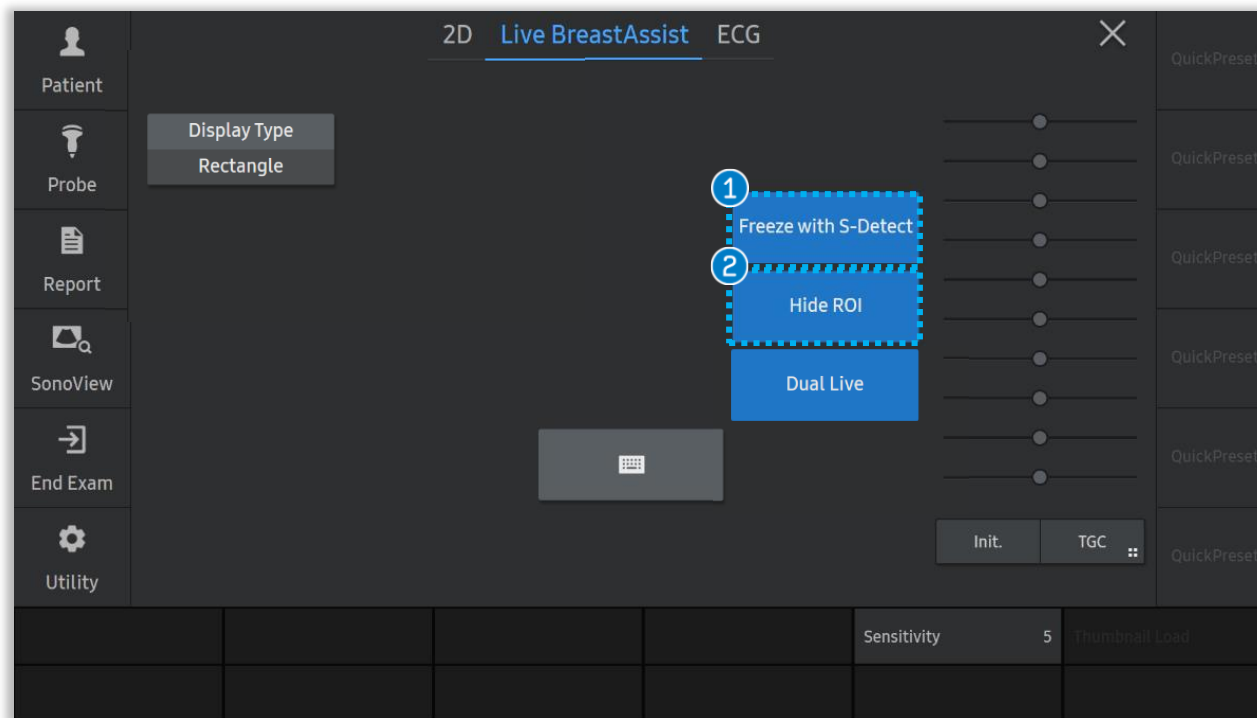
Edge Enhance

## 4. Parameter - Sensitivity



① Sensitivity (Index 1-10)	Sensitivity 1	Sensitivity 3	Sensitivity 4	Sensitivity 5	Sensitivity 10
	Low Index	Index 3 to 4	Index 4 to 5	Default Index (Recommend to Use)	The closer to 10
	Lactating or Dense breast patients to minimize the multiple ROI interference.	For general examination.	For medical check-up.		The Higher the Sensitivity and Detection Rate.

## 5. Touch Screen



### 1 Freeze with S-Detect

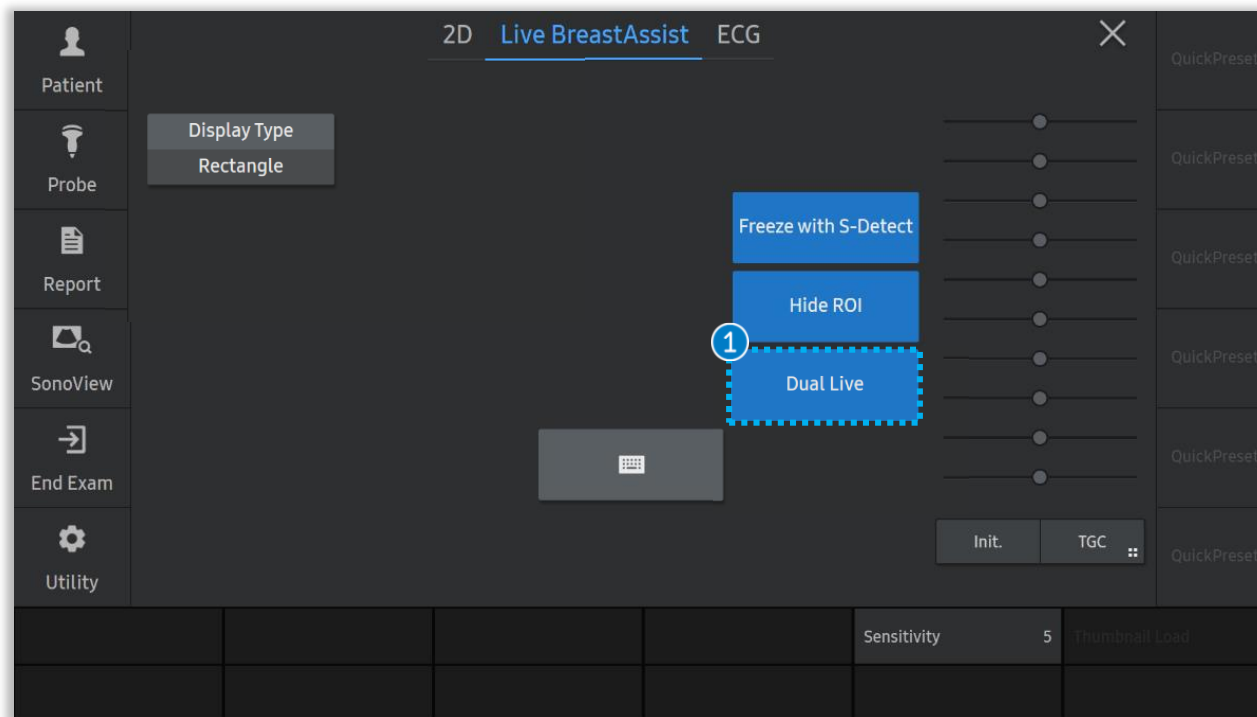
[S-Detect for Breast] will be automatically activated on Freeze.

### 2 Hide ROI

To hide a target ROI and then focus on the B-Mode image.

※ [Freeze with S-Detect] ON status can be saved on User preset, to run it automatically with a specific preset.

## 5. Touch Screen

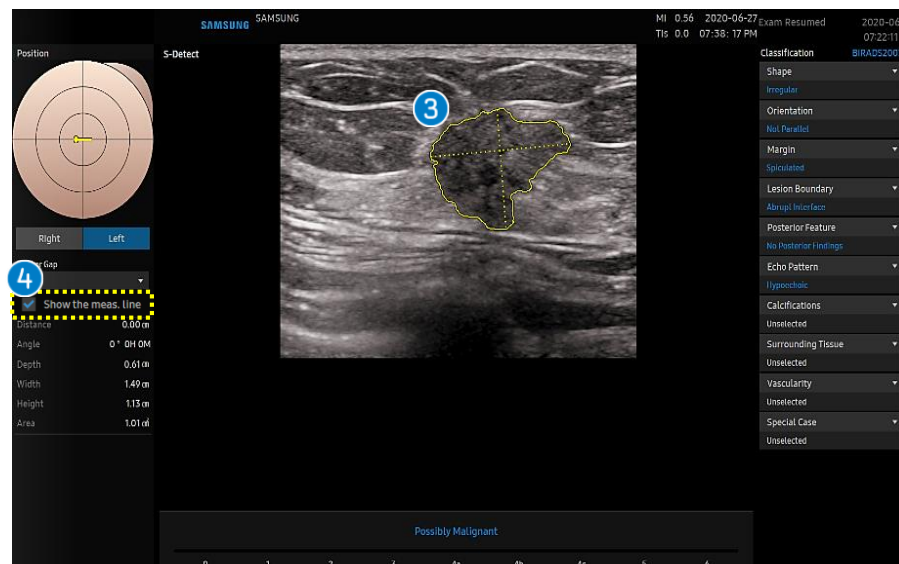
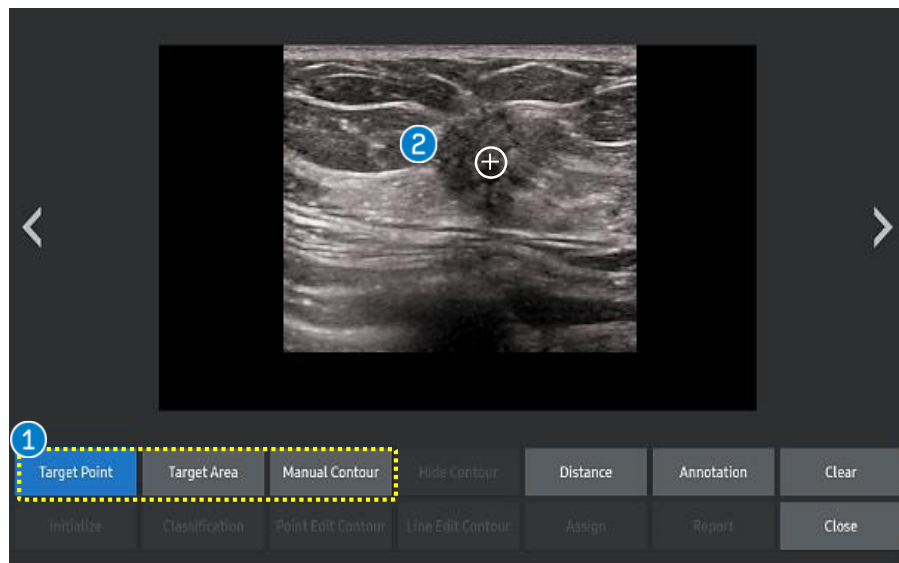


### 1 Dual Live

Dual live mode is to display both [2D mode / Color mode] and [Live BreastAssist].

※ The default is dual live mode.

# 5. Freeze with S-Detect



## 1 Detection method

- Target Point
- Target Area
- Manual Contour

## 2 Target Point

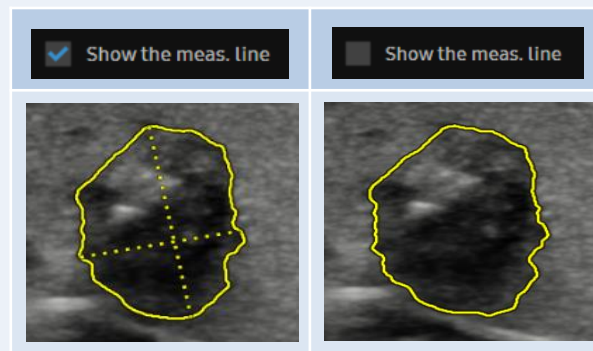
Touch the center of the lesion on the touchscreen.  
Or locate the cursor on the center of the lesion on the monitor and press the [Set] button.

## 3 Detect the boundary

Lesion boundary is automatically detected and displayed as green contour.

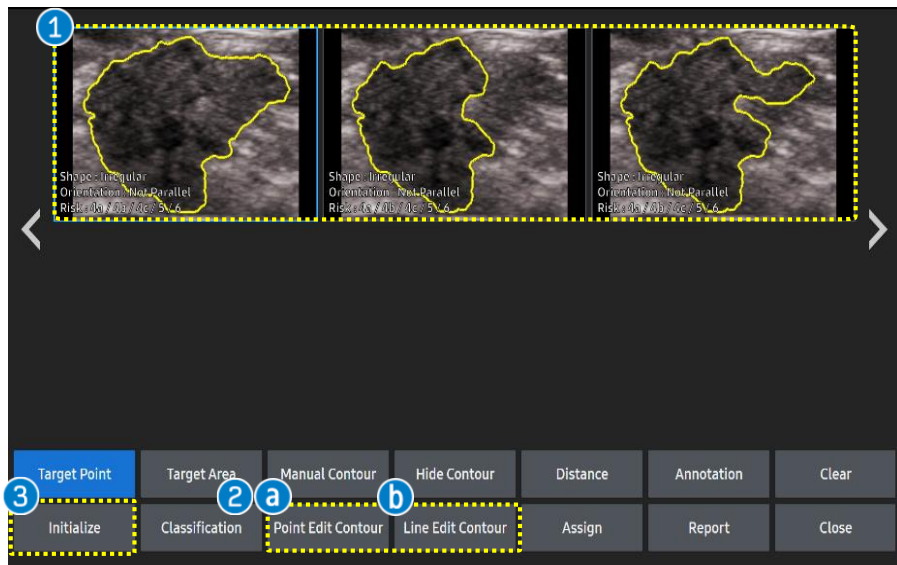
## 4 Show the meas. line

It is to display the measurement line(Height, width) of the lesion.





## 6. Select the Candidate and Edit



### 1 Candidates

Candidate images are provided on the touch screen so you can choose the most suitable image. To select, just touch the one.

### 2 Edit Contour

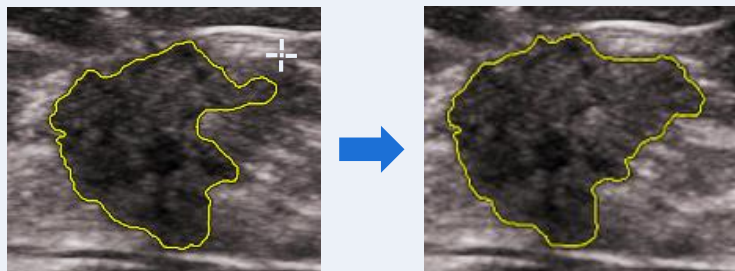
If necessary, you can edit the contour of selected candidate by tap the [Point Edit Contour] or the [Line Edit Contour] on the touch screen.

### 3 Initialize

To reset all results, tap the [Initialize] button on the touch screen.

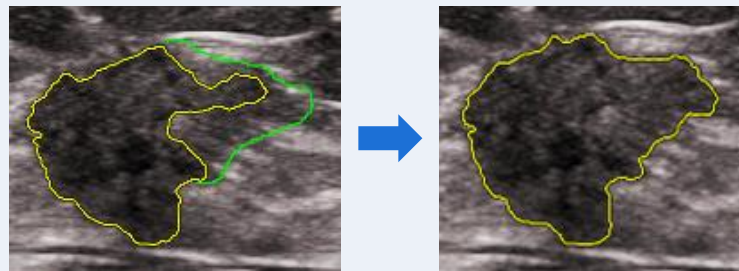
#### a Point Edit contour

Locate the cursor close to the part of contour that you want to modify and press the [Set] button.

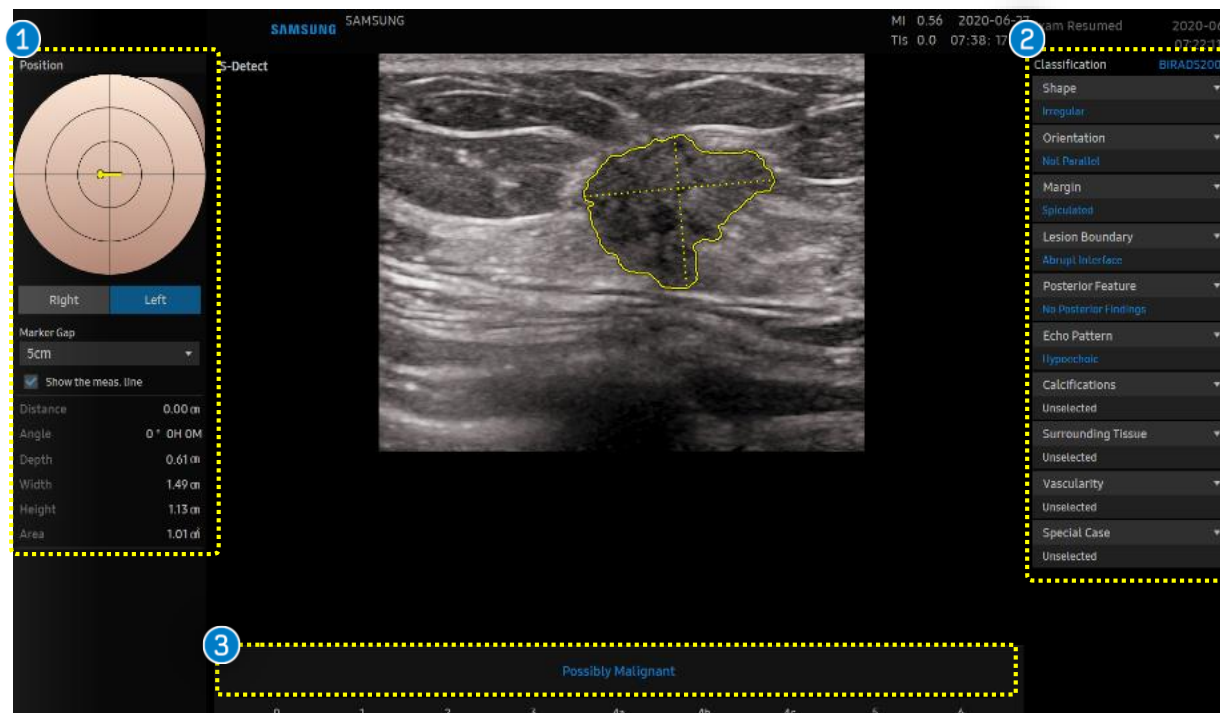


#### b Line Edit contour

Draw the new boundary (green color) manually using trackball and press the [Set] button.



# 7. Result page



## 1 Location information Area

Provides information about the location and the size of lesion.

## 2 Classification

Provides the BI-RADS® Lexicon Classification for the lesion.

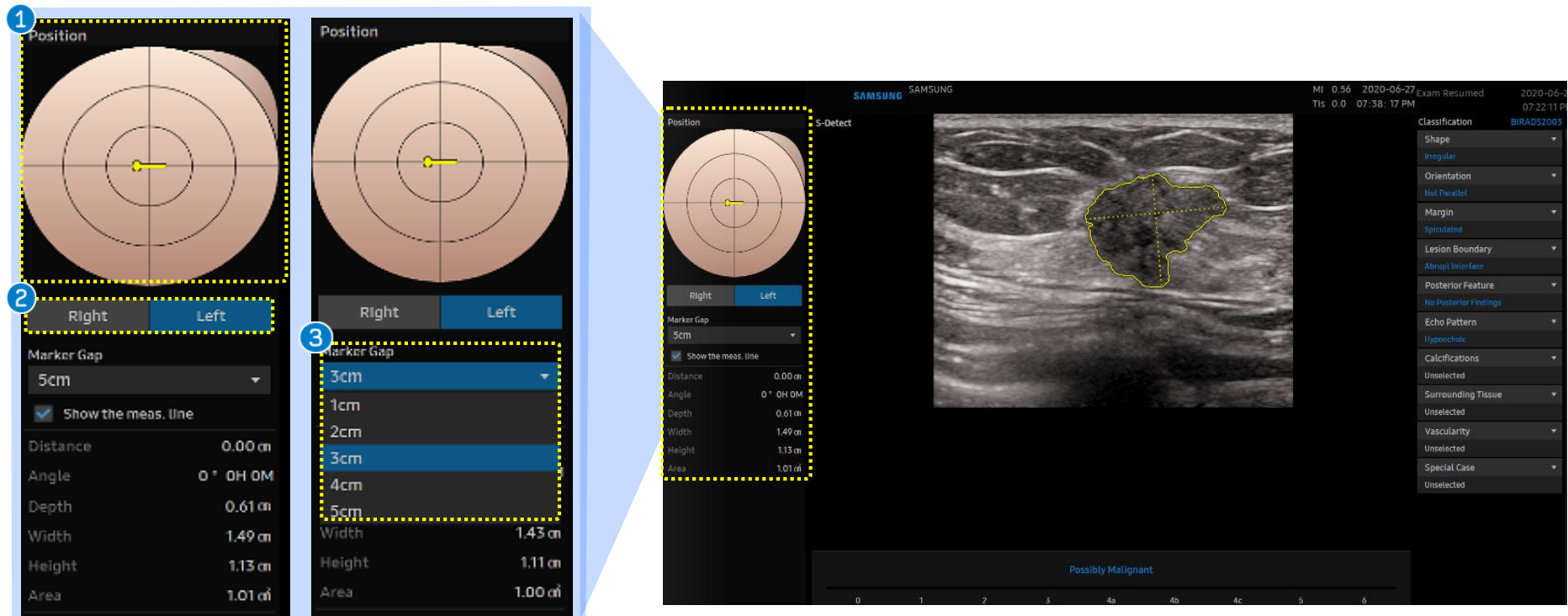
6 Classifications (Blue color) are automatically provided.

4 Classifications (White color) are 'Unselected', so it can be selected manually by users.

## 3 Description

S-Detect only suggests whether the lesion tends to be malignant or benign.

# 8. Result page: Mark the position



## ① Position

Locate the probe marker(yellow bar) according to lesion's location with the [Set] button.  
Use the [Angle] button on the control panel to rotate the marker.

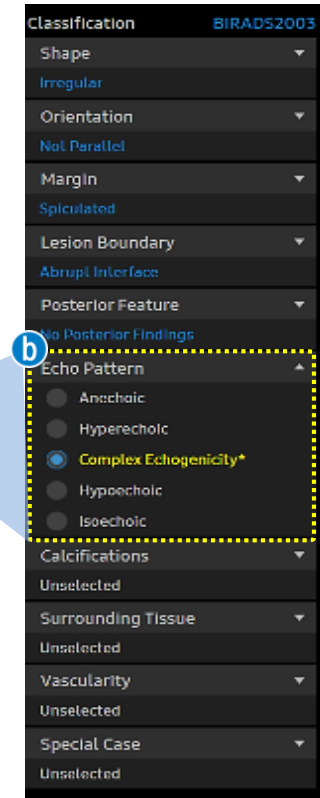
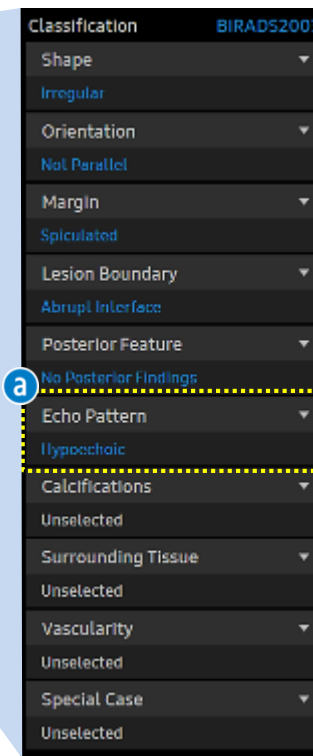
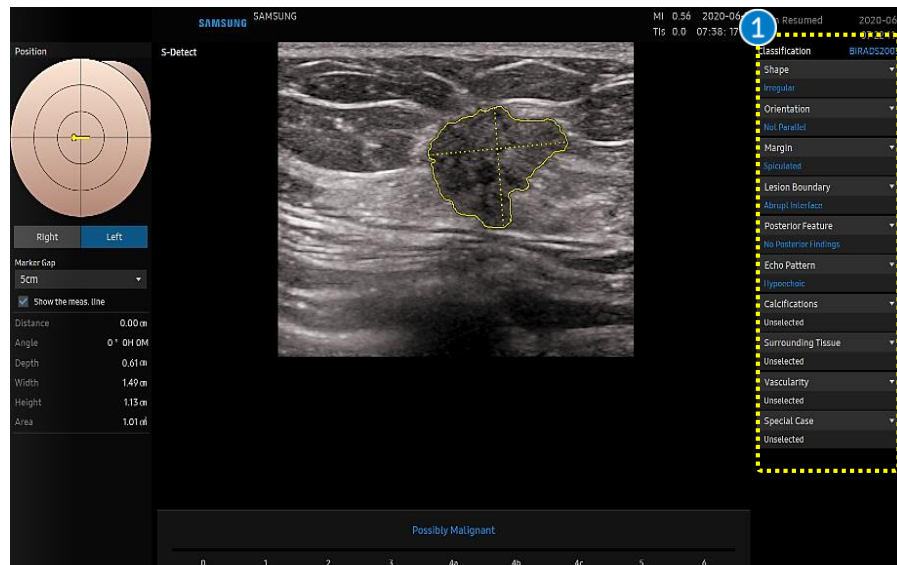
## ② Laterality

Select right or left breast with the [Set] button.

## ③ Marker Gap

Choose the size of marker gap to change the scale which indicates distance from the nipple depending on the size of patient's breast.

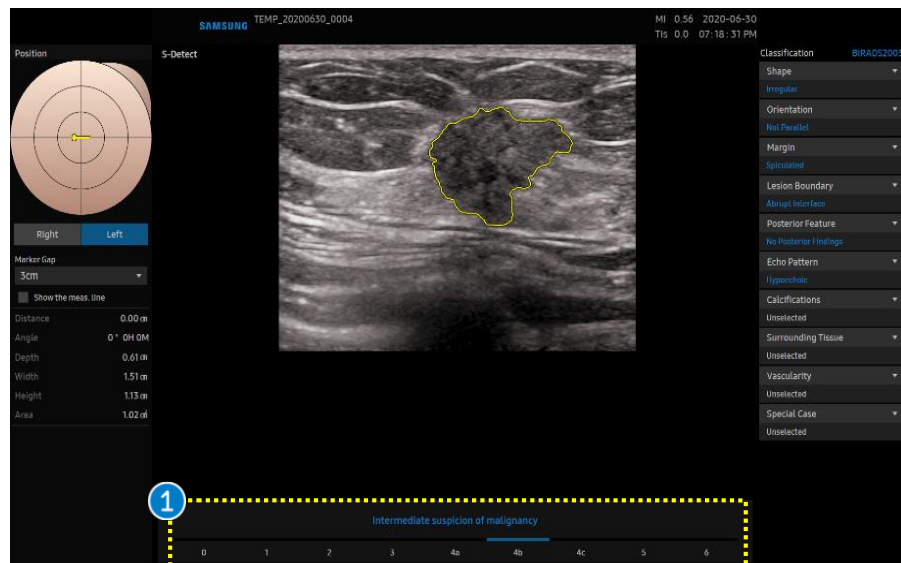
# 9. Result page: Edit the classification (1)



## 1 Classifications

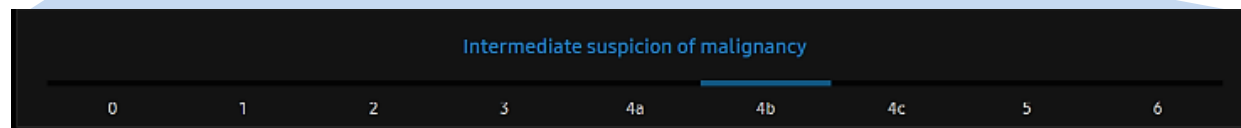
- a** Click the title of classification that you want to modify.
- b** Edit the result. Modified Classification is represented with yellow color.  
It can be also edit classifications on the touch screen.

# 10. Result page: BI-RADS® Score

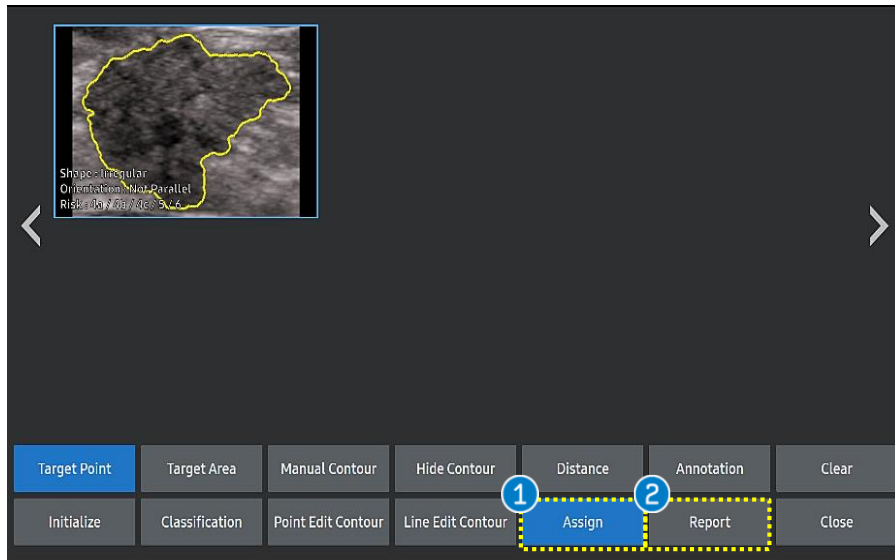


## 1 BI-RADS® score

Designate the specific BI-RADS® Assessment Score on the bottom of the screen to make final decision.



# 11. Assign to Report

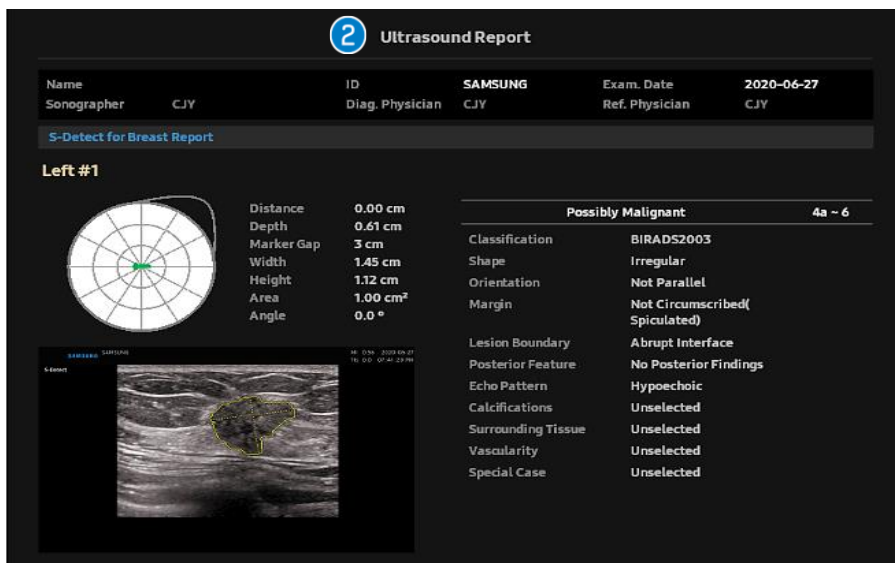


## 1 Assign

If you want to assign the S-Detect results to the report, tap the [Assign] button on the touch screen.

## 2 Report

Tap the [Report] button on the touch screen to confirm the result of S-Detect™.



- 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, for more detail, please refer to RS85 User Manual.
- Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This User Quick Guide is based on RS85 V2.08.01
- Disclaimer: Some Images in this content were obtained from other system.

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