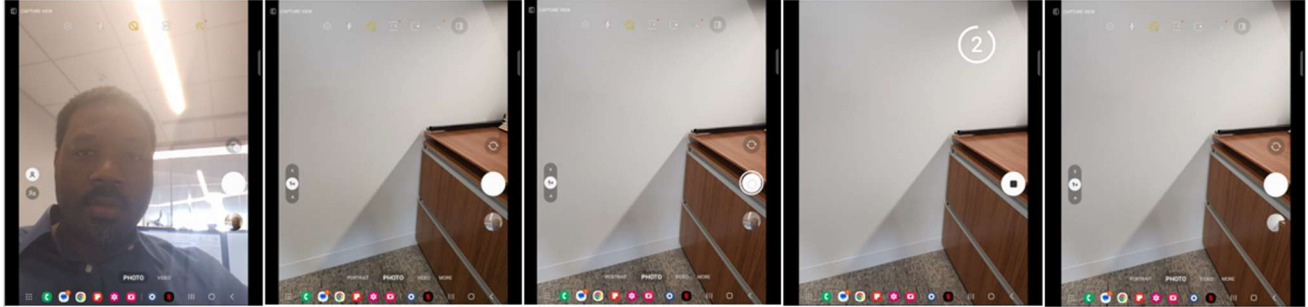


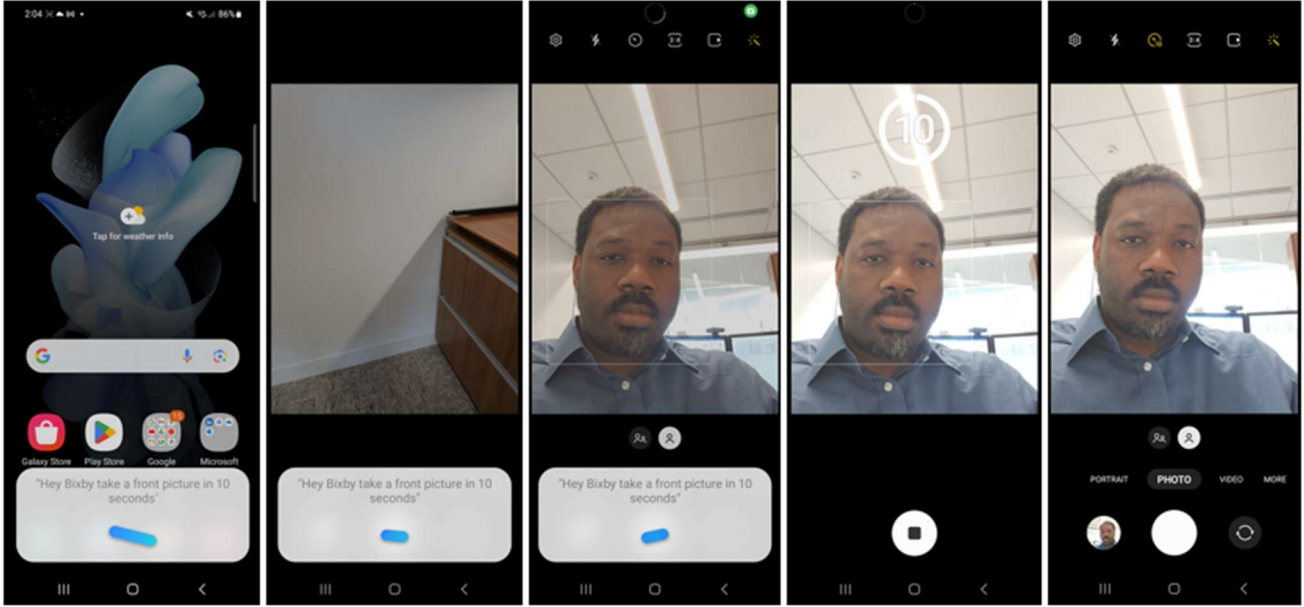
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	In contrast, the second predetermined time is shorter as the front facing camera is disabled after a user provides a touch operation instruction to use the rear facing camera and take a rear facing picture via the touch interface. This will enable the rear facing camera as evidenced by the display displaying image signals from the rear facing camera. Galaxy Z Fold4 annotated figures showing a first predetermined time associated with the front facing camera being longer than a second standby time associated with the rear facing camera. For example, the rear facing camera is disabled after a user provides a command voice to Bixby to take a front facing picture after 10 seconds, which enables the front facing camera as evidenced by the

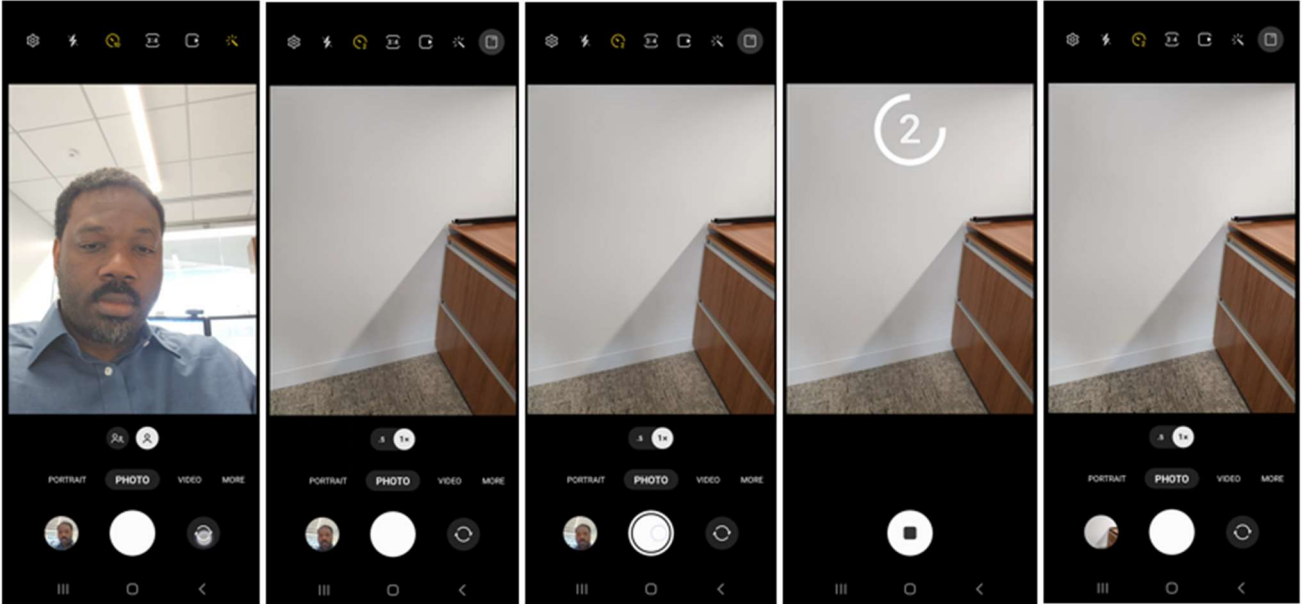
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	display displaying image signals from the front facing camera after switching from the rear camera to the front camera.  In contrast, the second predetermined time is shorter as the front facing camera is disabled after a user provides a touch operation instruction to use the rear facing camera and take a rear facing picture via the touch interface. This will enable the rear facing camera as evidenced by the display displaying image signals from the rear facing camera.

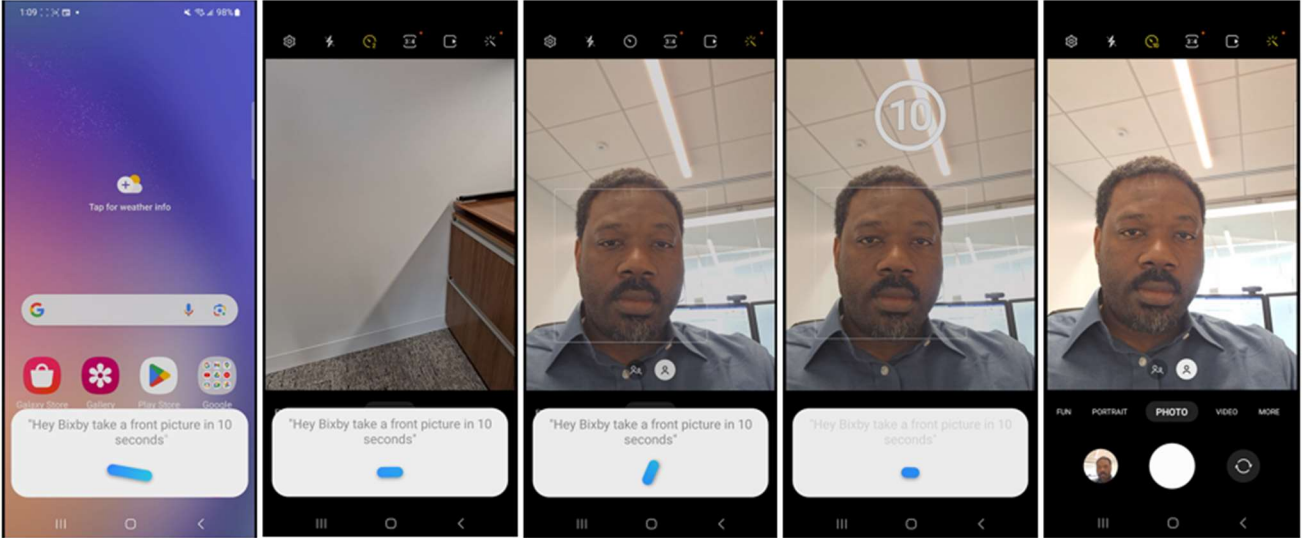
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy Z Flip4 annotated figures showing a first predetermined time associated with the front facing camera being longer than a second standby time associated with the rear facing camera. For example, the rear facing camera is disabled after a user provides a command voice to Bixby to take a front facing picture after 10 seconds, which enables the front facing camera as evidenced by the display displaying image signals from the front facing camera after switching from the rear camera to the front camera.

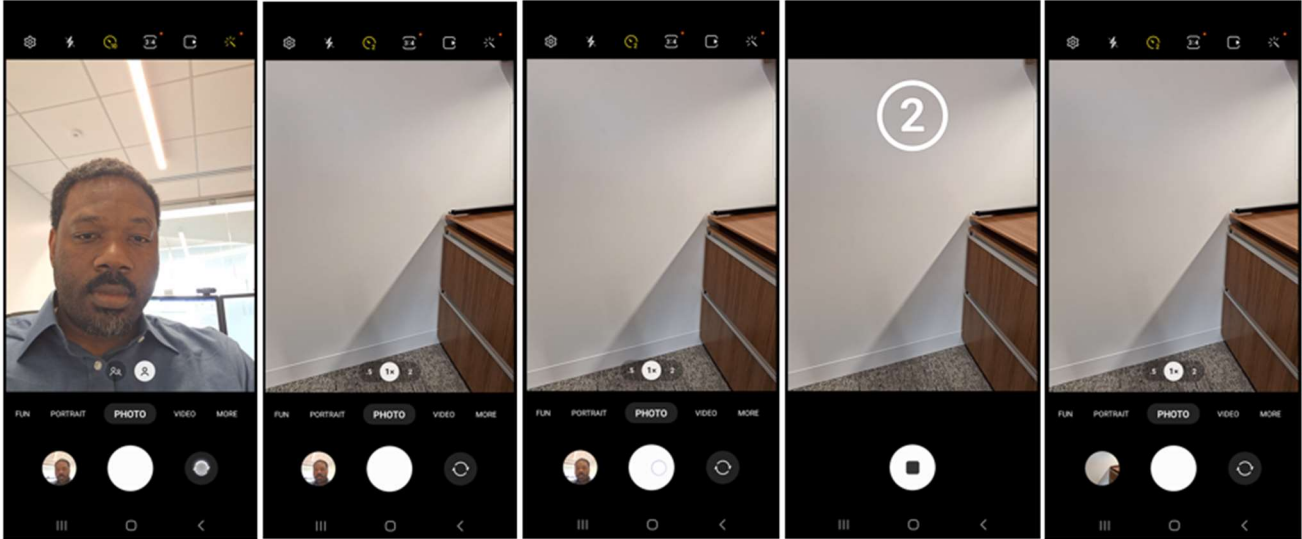
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 In contrast, the second predetermined time is shorter as the front facing camera is disabled after a user provides a touch operation instruction to use the rear facing camera and take a rear facing picture via the touch interface. This will enable the rear facing camera as evidenced by the display displaying image signals from the rear facing camera.

**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy A54 5G annotated figures showing a first predetermined time associated with the front facing camera being longer than a second standby time associated with the rear facing camera. For example, the rear facing camera is disabled after a user provides a command voice to Bixby to take a front facing picture after 10 seconds, which enables the front facing camera as evidenced by the display displaying image signals from the front facing camera after switching from the rear camera to the front camera.

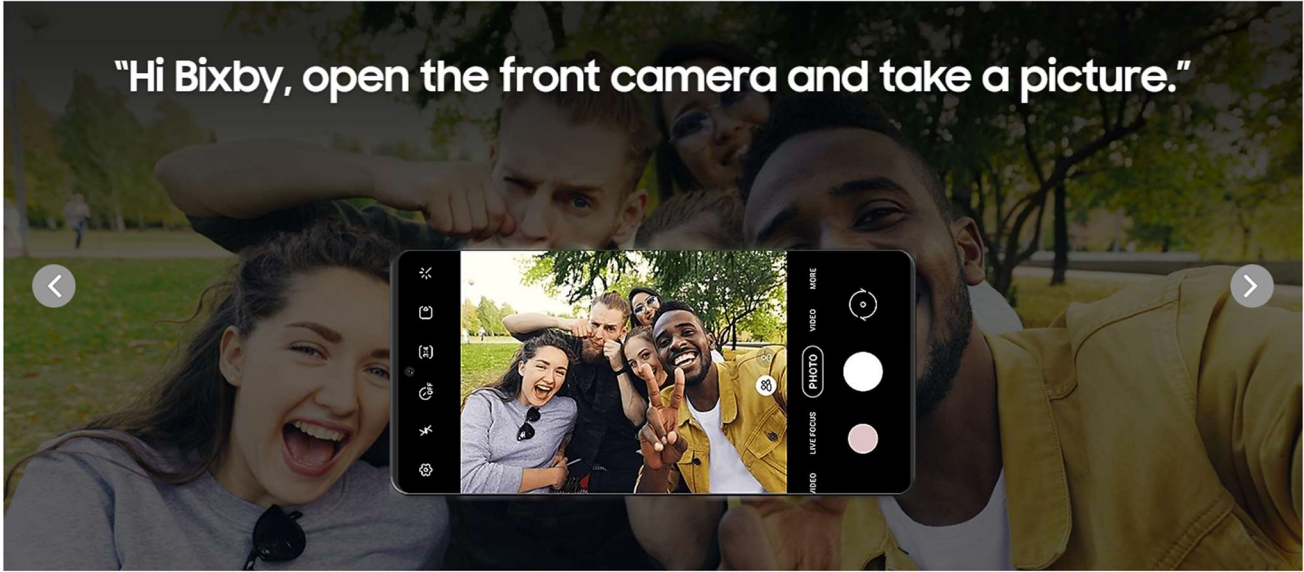
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 In contrast, the second predetermined time is shorter as the front facing camera is disabled after a user provides a touch operation instruction to use the rear facing camera and take a rear facing picture via the touch interface. This will enable the rear facing camera as evidenced by the display displaying image signals from the rear facing camera. <i>See also</i> Appendix 8 showing that the remaining Accused Samsung '757 Products' controller are configured to control such that a first standby time of a case where the first camera is enabled and the second camera is disabled is longer than a second standby time of a case where the second camera is enabled and the first camera is disabled. Specifically, the remaining Accused Samsung '757 Products also include a camera application, touch interface, and Bixby such that they record images using both the front facing camera and rear facing camera using different standby times as shown in the above examples. <i>See e.g.</i>, https://www.samsung.com/us/support/answer/ANS00089063/; <i>see also</i> https://www.samsung.com/us/apps/bixby/.
[11.k] wherein the first predetermined time is a time from a recognition of the first instruction to a start of	In each of the Accused Samsung '757 Products, the first predetermined time is a time from a recognition of the first instruction to a start of the recording of the first image signal acquired by the first camera, and the second predetermined time is a time from a recognition of the second instruction to a start of the recording of the second image signal acquired by the second camera. <i>See e.g.</i> ,

**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
the recording of the first image signal acquired by the first camera, and the second predetermined time is a time from a recognition of the second instruction to a start of the recording of the second image signal acquired by the second camera.	Technical Specifications of each of the Accused Samsung '757 Products available at Samsung's website showing that each of the devices' first predetermined time is a time from a recognition of the first instruction to a start of the recording of the first image signal acquired by the first camera, and the second predetermined time is a time from a recognition of the second instruction to a start of the recording of the second image signal acquired by the second camera (https://www.samsung.com/us/mobile/ and https://www.samsung.com/us/tablets/). As a non-limiting example of the first predetermined time and the second predetermined time, each of the Accused Samsung '757 Products is a smartphone and/or tablet having the first predetermined time being from a recognition of the command voice to Bixby to start the recording of the first image signal associated with the front facing camera and the second predetermined time being a recognition of a touch operation instruction to start recording of the second image signal associated with the rear facing camera under three (3) exemplary infringement theories:  Bixby Do more with Bixby Bixby gives you the freedom to focus on what matters most. It learns what you like to do and works with your favorite apps and services to help you get more things done.  "Hi Bixby, take a selfie."

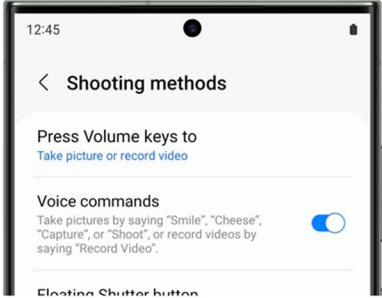
APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	https://www.samsung.com/us/apps/bixby/ "Hi Bixby, open the front camera and take a picture."  <i>Id.</i>

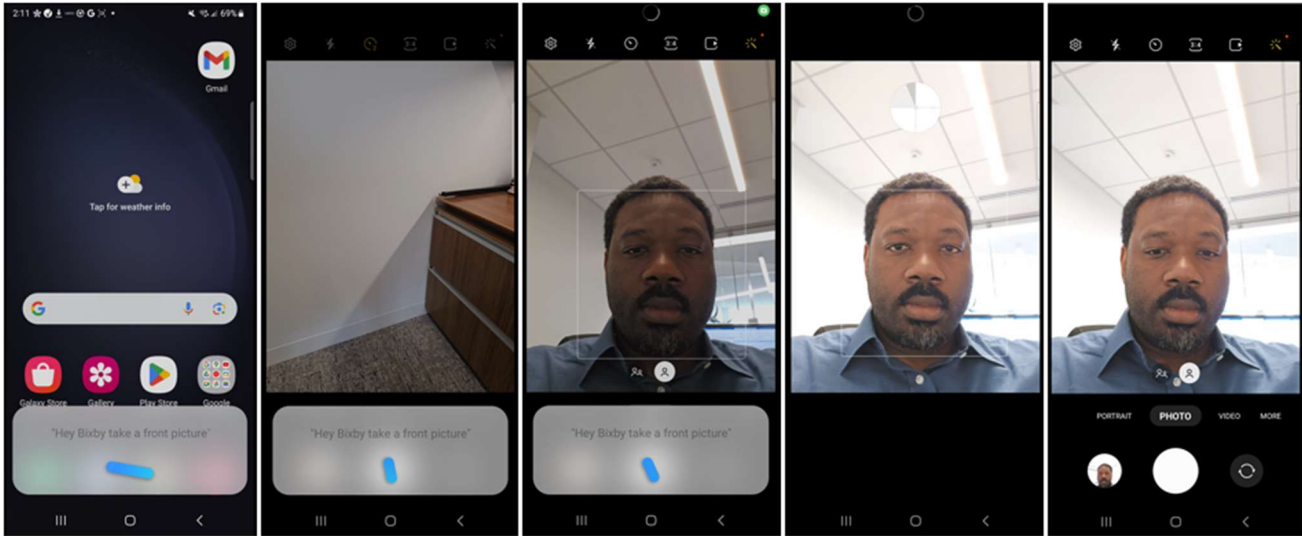
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1–11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Take the best selfies with your Galaxy phone 📄  Selfies: you know you love 'em. Luckily, your Galaxy phone comes with special features like a front-facing camera, built-in filters, and different camera modes so you can take the best possible selfies. Note: Available screens and settings may vary by wireless service provider, software version, and phone model. Set up for the perfect selfie > Adjust selfie camera settings > Camera modes > https://www.samsung.com/us/support/answer/ANS00062594/

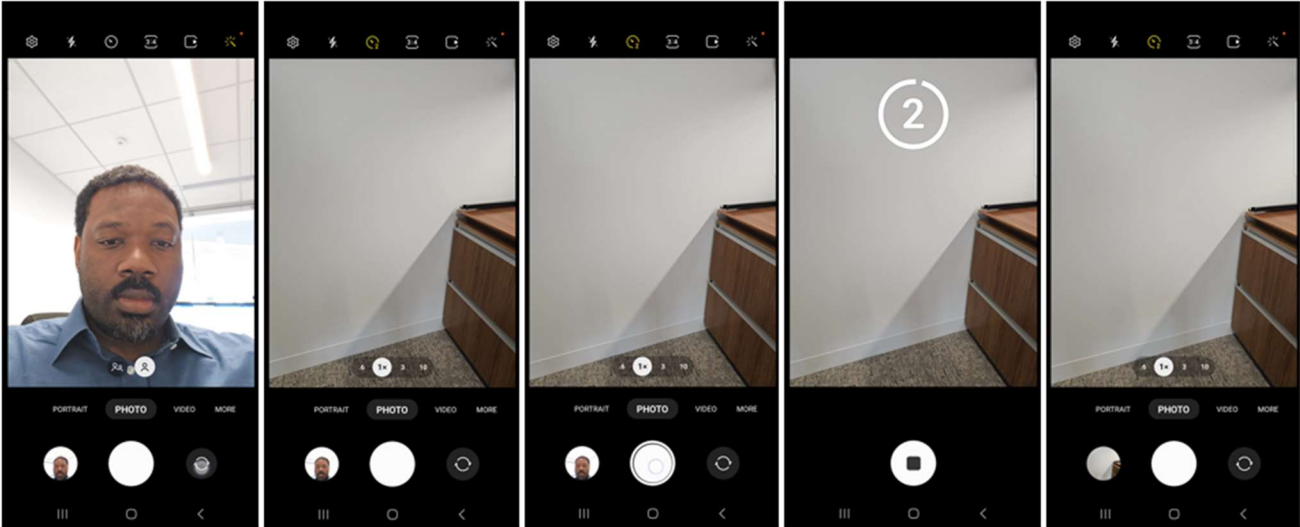
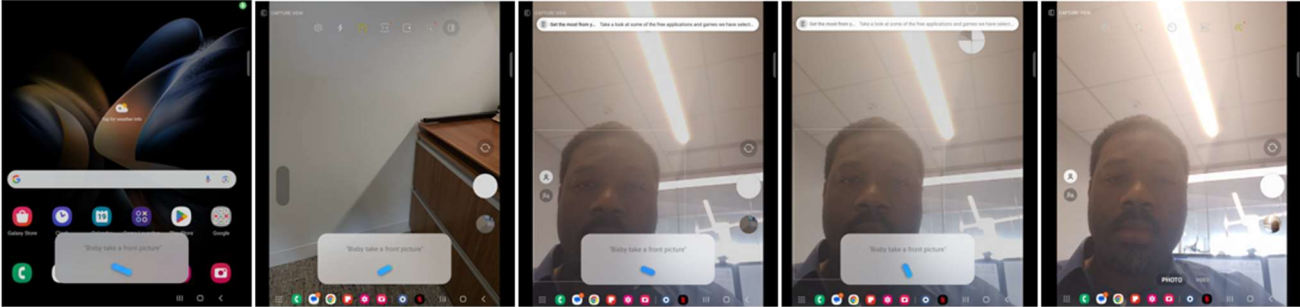
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1–11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Adjust selfie camera settings ▼ You can also adjust the different settings for your selfies, such as your preferred shooting method, selfie colors, and filters. For example, you can set the color tone of your photos to bright or natural. Just navigate to the Camera app on your phone, tap Settings, and then swipe to and tap Selfie color tone. This way, you can select from Natural or Bright before you take a selfie, rather than after. Snapping a photo of yourself can be easy, especially if you do not have to adjust the grip on your phone. Better shooting methods can be accessed from your Camera settings page. Swipe to and tap Shooting methods, and then tap Press Volume keys to or Voice commands to take a photo or video. Or, add a floating shutter button that can be moved around the screen. If you're taking a group selfie, it might be easier to simply show your palm to the screen to take the photo.  You can also set up automatic Camera modes that appear when launching the app. Tap Settings to keep, and then tap Selfie angle to use your previous angle again or tap Filters to reapply the same filters you have applied in the past. You can also select additional options such as Camera mode, Super steady, and Portrait zoom. <i>Id.</i>

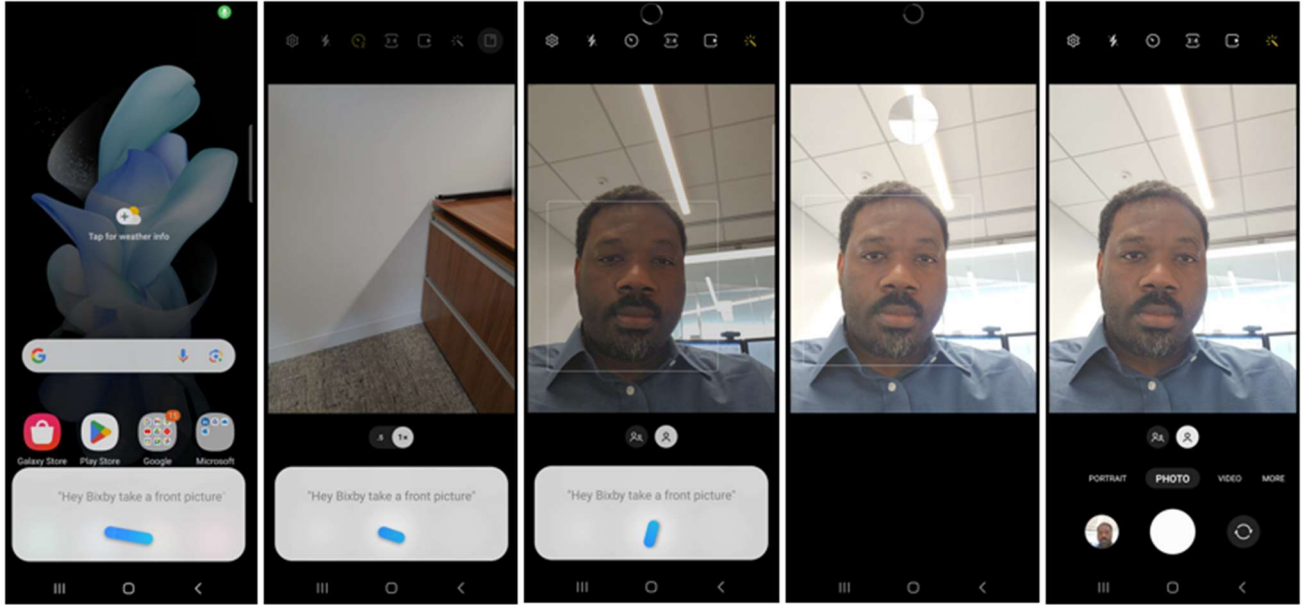
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	First Infringement Theory:  Galaxy S23 Ultra annotated figures showing the first standby time being associated with a command voice to Bixby.

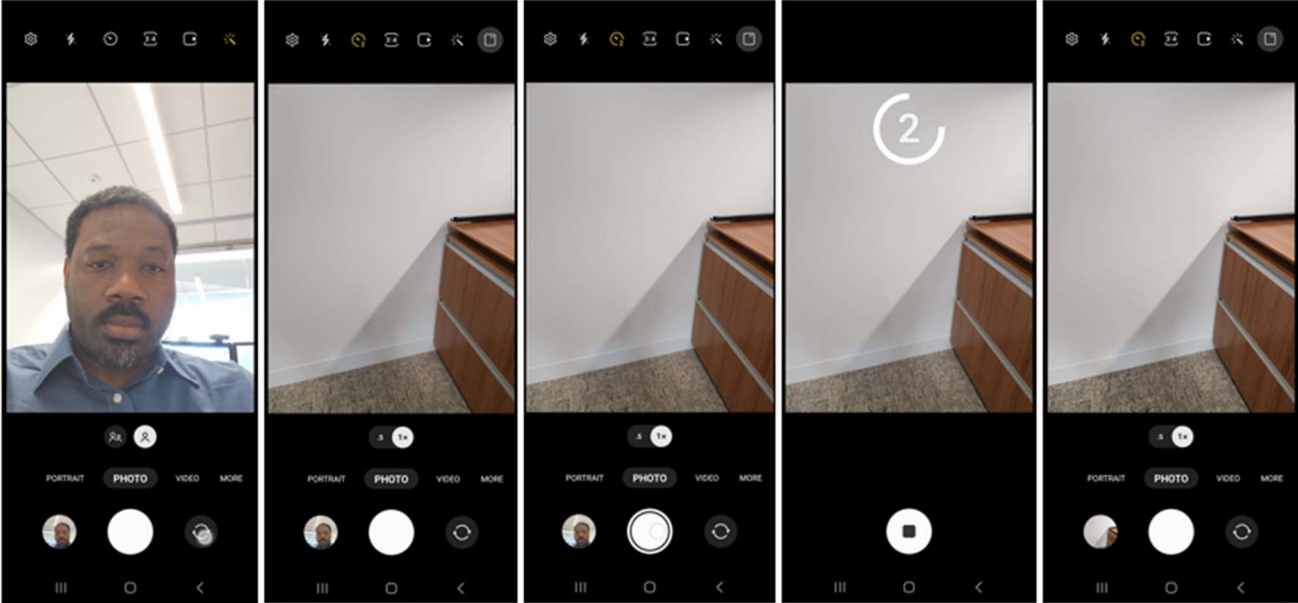
APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy S23 Ultra annotated figures showing the second standby time being associated with a touch operation instruction.  Galaxy Z Fold4 annotated figures showing the first standby time being associated with a command voice to Bixby.

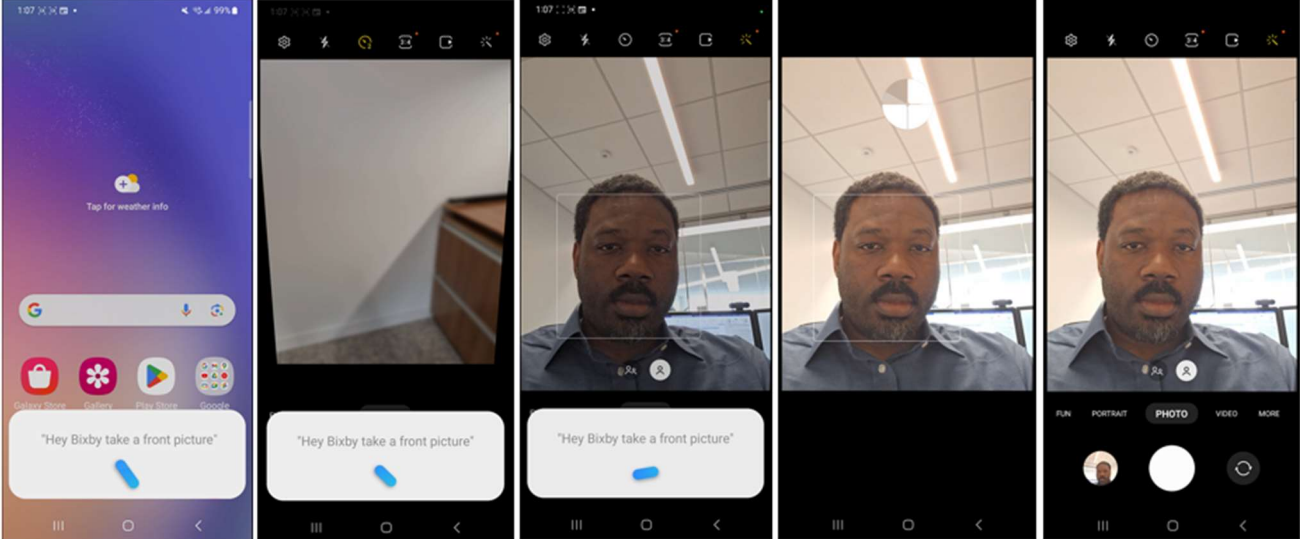
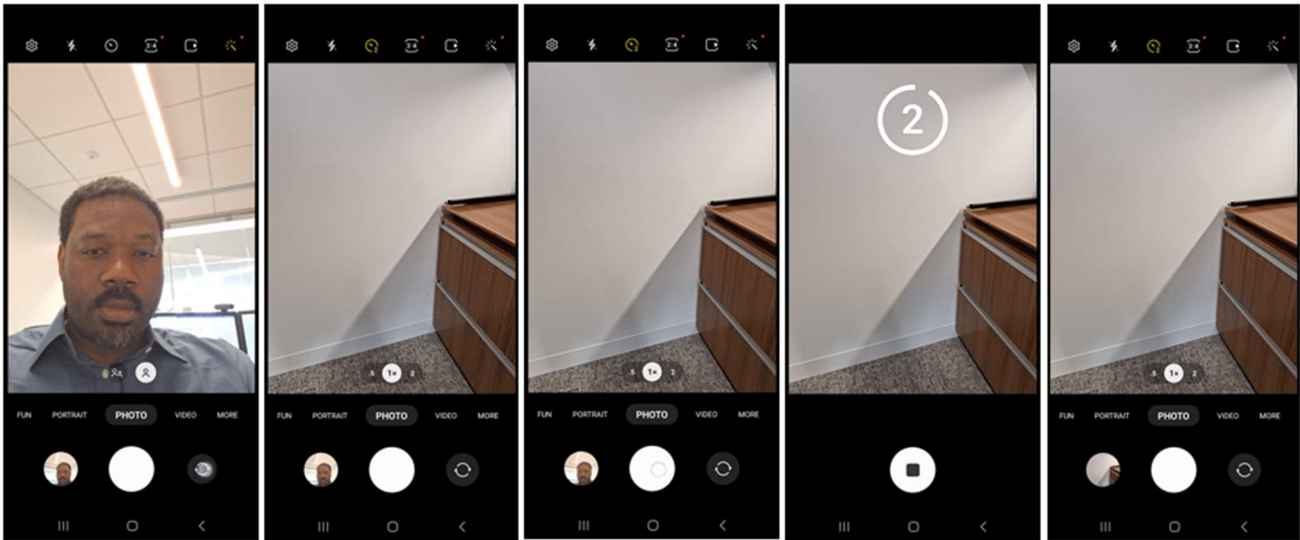
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy Z Fold4 annotated figures showing the second standby time being associated with a touch operation instruction.  Galaxy Z Flip4 annotated figures showing the first standby time being associated with a command voice to Bixby.

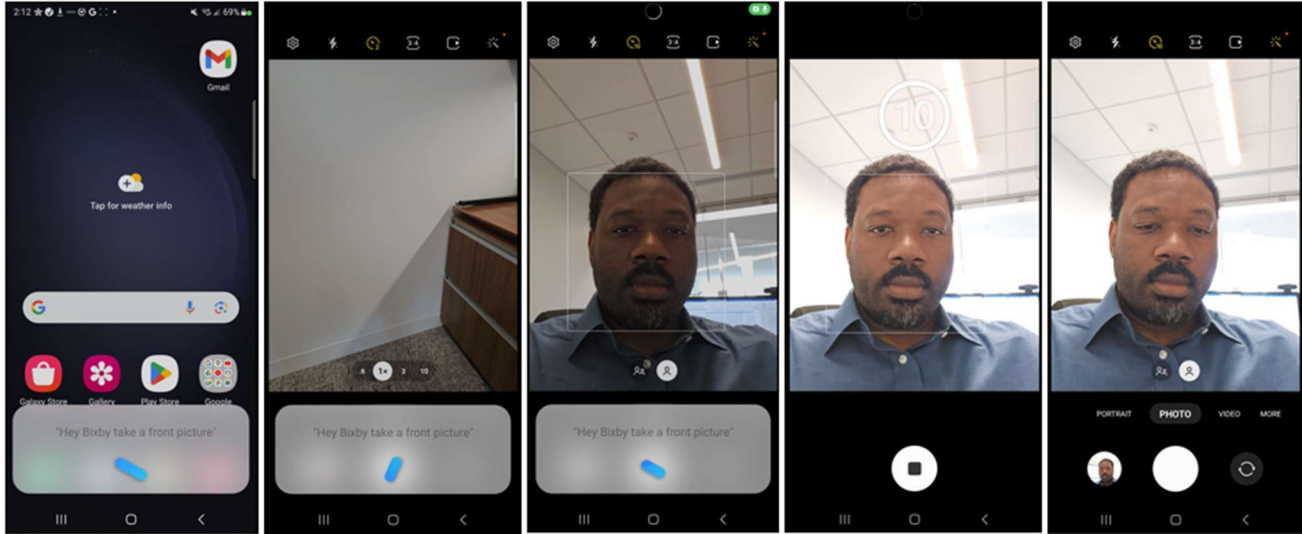
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy Z Flip4 annotated figures showing the second standby time being associated with a touch operation instruction.

APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy A54 5G annotated figures showing the first standby time being associated with a command voice to Bixby. 

**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Galaxy A54 5G annotated figures showing the second standby time being associated with a touch operation instruction. Second Infringement Theory:  Galaxy S23 Ultra annotated figures showing the first standby time being associated with a command voice to Bixby after a timer of 10 seconds has been set for the front facing camera.

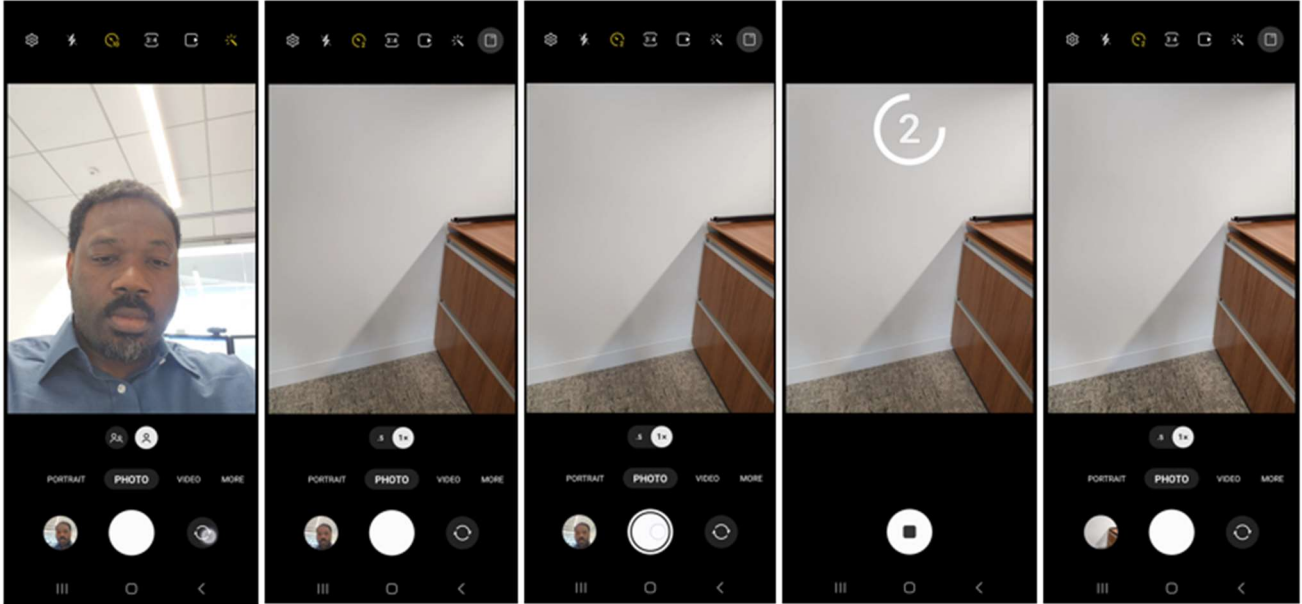
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Galaxy S23 Ultra annotated figures showing the second standby time being associated with a touch operation instruction. Galaxy Z Fold4 annotated figures showing the first standby time being associated with a command voice to Bixby after a timer of 10 seconds has been set for the front facing camera.

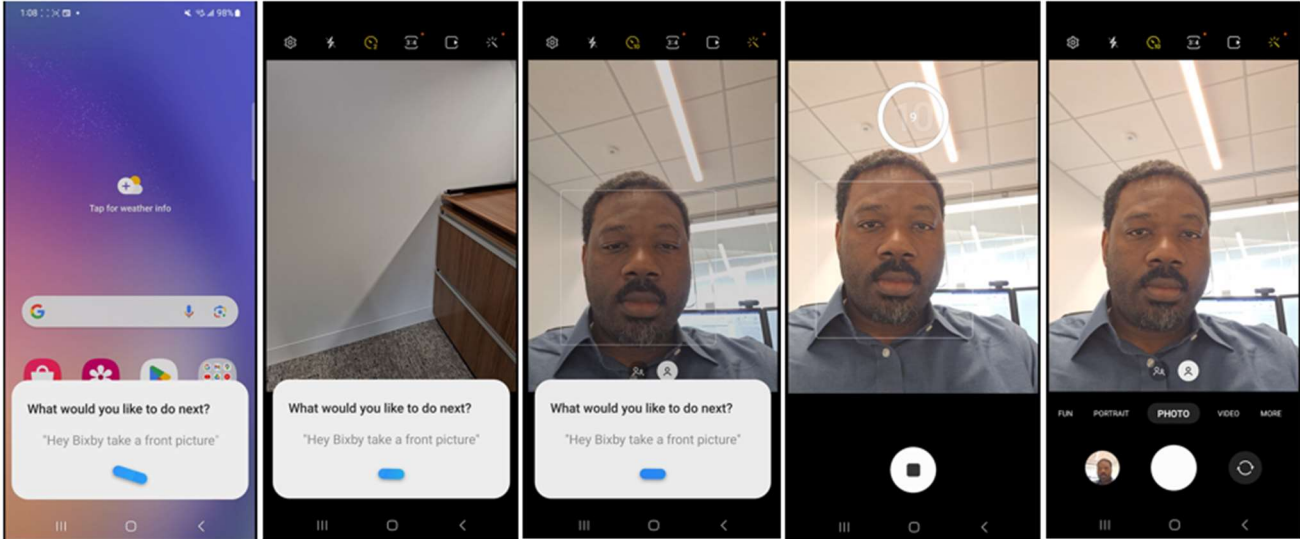
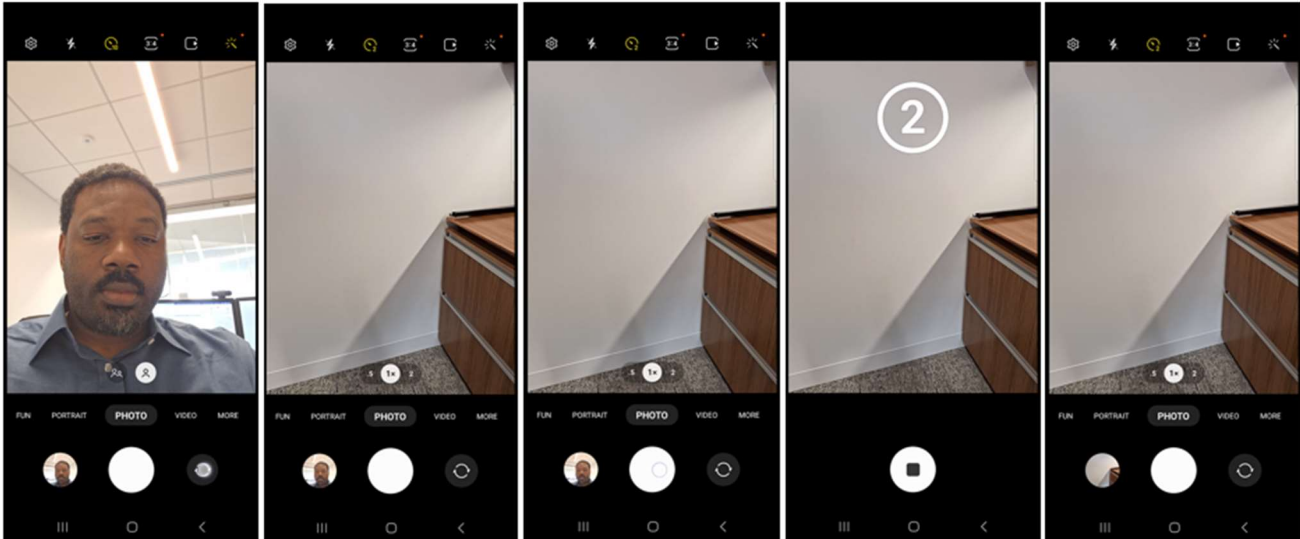
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Galaxy Z Fold4 annotated figures showing the second standby time being associated with a touch operation instruction. Galaxy Z Flip4 annotated figures showing the first standby time being associated with a command voice to Bixby after a timer of 10 seconds has been set for the front facing camera.

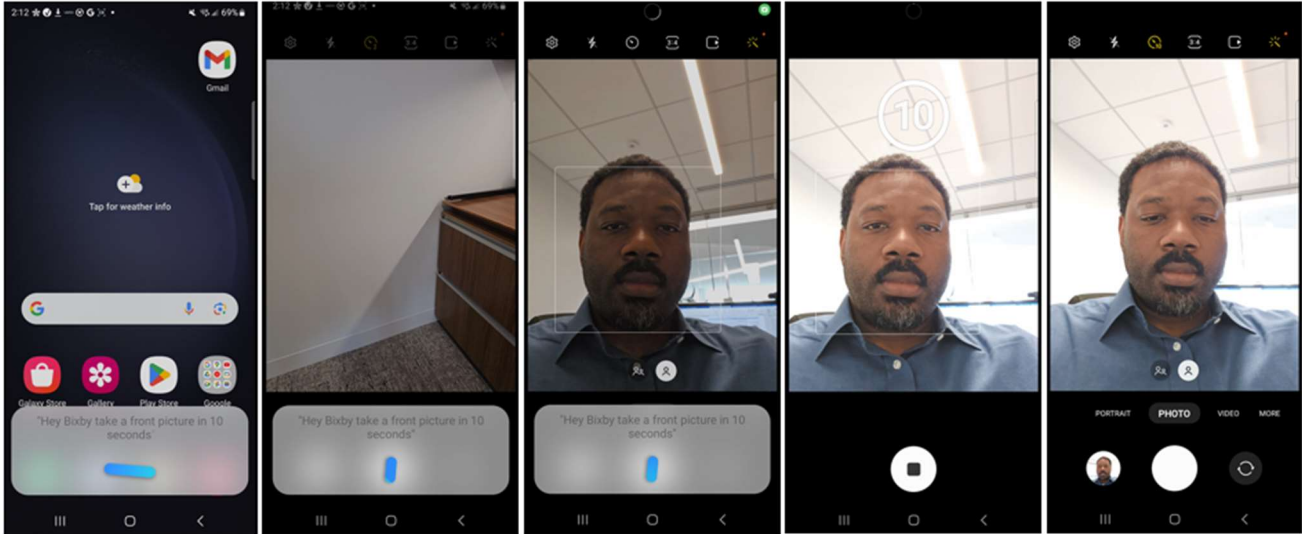
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy Z Flip4 annotated figures showing the second standby time being associated with a touch operation instruction.

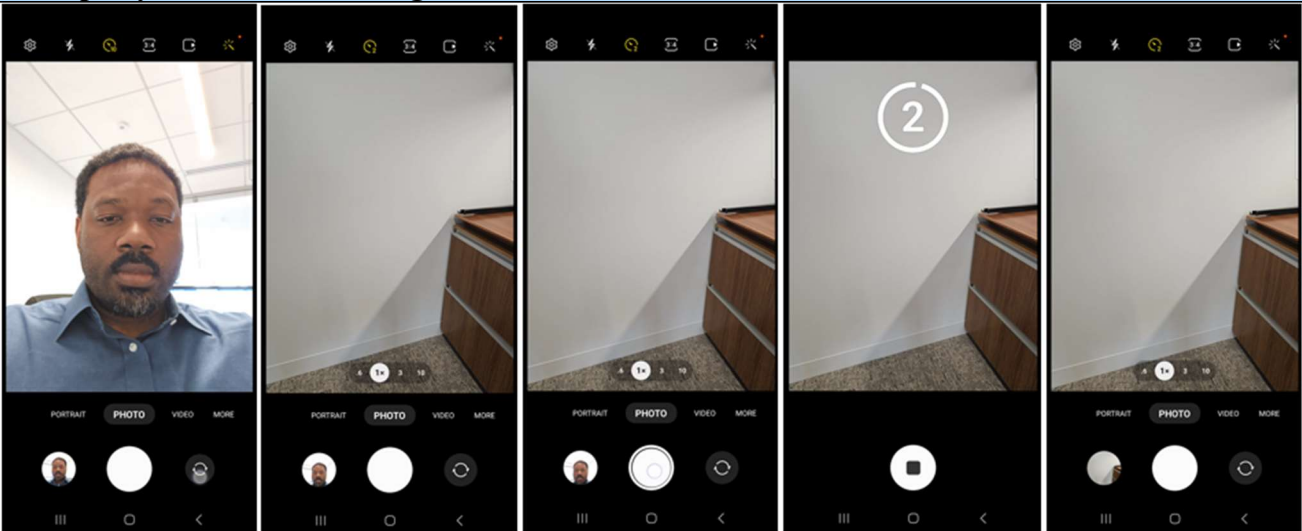
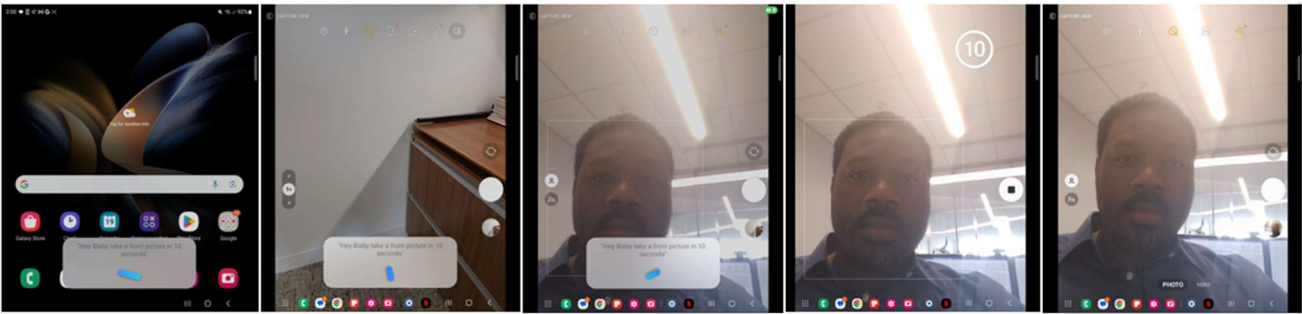
APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy A54 5G annotated figures showing the first standby time being associated with a command voice to Bixby after a timer of 10 seconds has been set for the front facing camera. 

**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Galaxy A54 5G annotated figures showing the second standby time being associated with a touch operation instruction. Third Infringement Theory:  Galaxy S23 Ultra annotated figures showing the first standby time being associated with a command voice to Bixby including setting a timer of 10 seconds for the front facing camera.

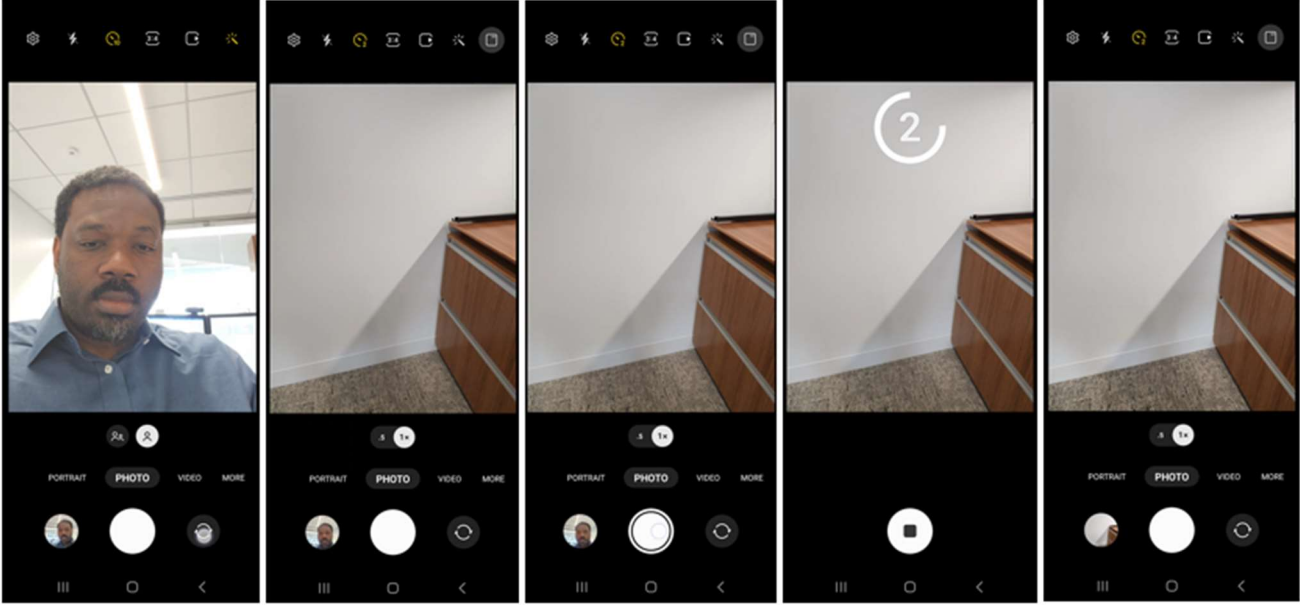
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy S23 Ultra annotated figures showing the second standby time being associated with a touch operation instruction.  Galaxy Z Fold4 annotated figures showing the first standby time being associated with a command voice to Bixby including setting a timer of 10 seconds for the front facing camera.

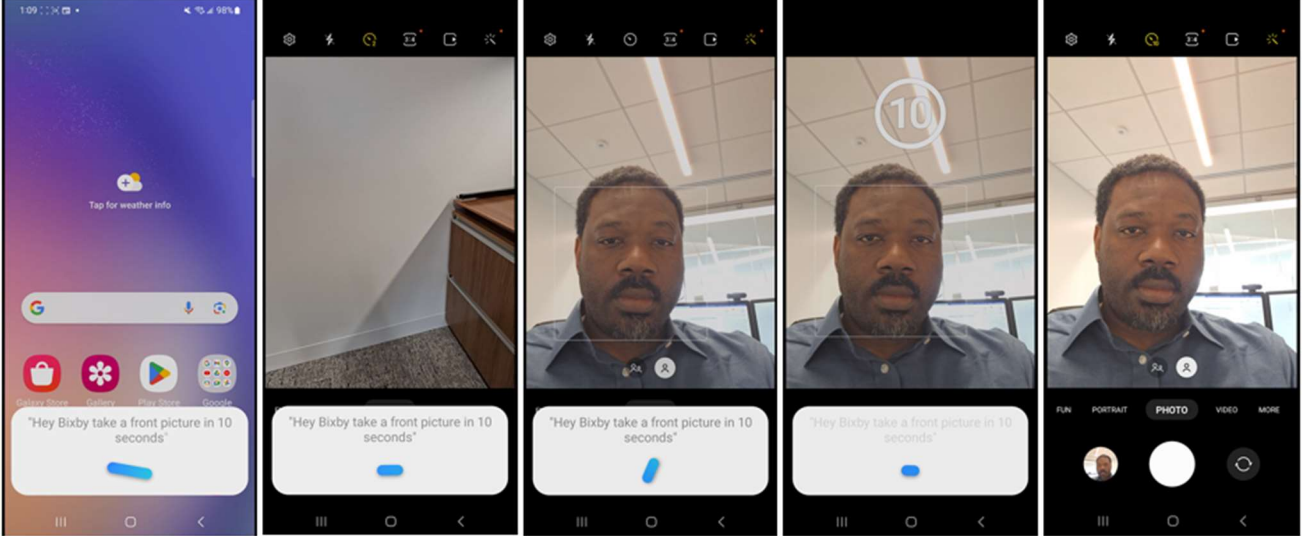
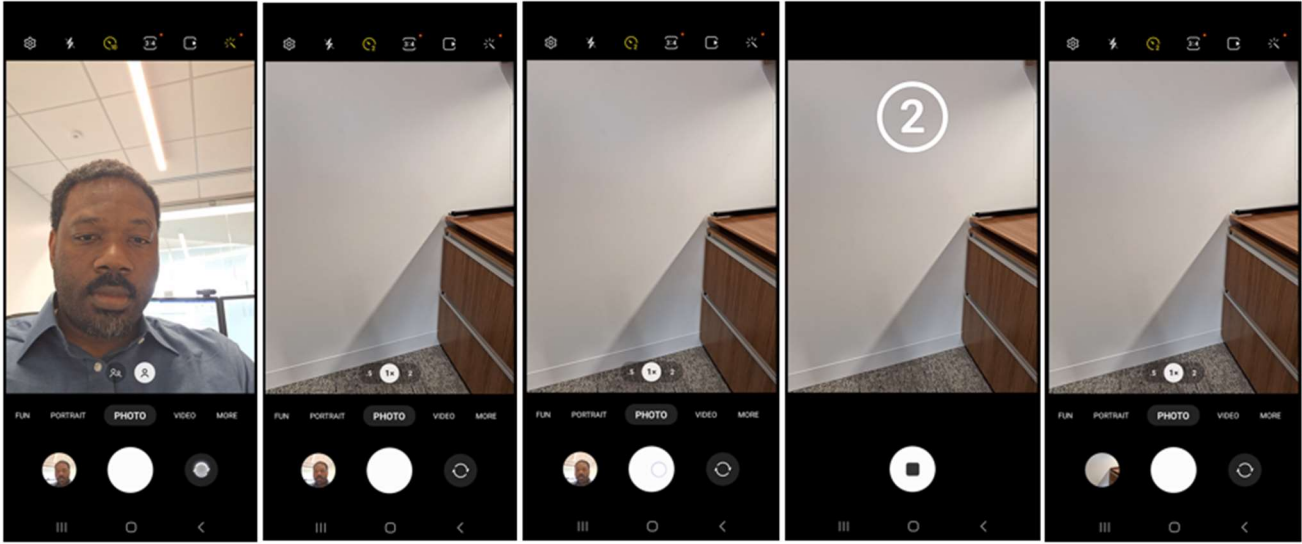
**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Galaxy Z Fold4 annotated figures showing the second standby time being associated with a touch operation instruction. Galaxy Z Flip4 annotated figures showing the first standby time being associated with a command voice to Bixby including setting a timer of 10 seconds for the front facing camera.

**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy Z Flip4 annotated figures showing the second standby time being associated with a touch operation instruction.

APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1-11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	 Galaxy A54 5G annotated figures showing the first standby time being associated with a command voice to Bixby including setting a timer of 10 seconds for the front facing camera. 

**APPENDIX 4: MARCH 7, 2024 INFRINGEMENT CONTENTIONS APPLYING CLAIMS 1–11 OF
U.S. PATENT NO. 11,223,757 TO ACCUSED SAMSUNG '757 PRODUCTS**

U.S. Patent No. 11,223,757	Exemplary Evidence of Infringement
	Galaxy A54 5G annotated figures showing the second standby time being associated with a touch operation instruction. <i>See also</i> Appendix 8 showing that the remaining Accused Samsung '757 Products include the first predetermined time as a time from a recognition of the first instruction to a start of the recording of the first image signal acquired by the first camera and the second predetermined time as a time from a recognition of the second instruction to a start of the recording of the second image signal acquired by the second camera. Specifically, the remaining Accused Samsung '757 Products also include a camera application, touch interface, and Bixby such that they record images using both the front facing camera and rear facing camera using different predetermined times as shown in the above examples. <i>See e.g.</i>, https://www.samsung.com/us/support/answer/ANS00089063/; <i>see also</i> https://www.samsung.com/us/apps/bixby/. <u>Doctrine of Equivalents:</u> To the extent Samsung argues that this limitation is not literally met in the Accused Samsung '757 Products, Maxell asserts that this limitation is met under the doctrine of equivalents because the identified structure matches the function, way, and result of the claimed element and, to the extent there is a difference, the difference is insubstantial. For example, to the extent that Samsung argues that the Accused Samsung '757 Products does not have a first predetermined time and the second predetermined time. Using software, hardware, or combination of the two, the Accused Samsung '757 Products perform substantially the same function (for example, the first predetermined time being the time from a recognition of the first instruction to a start of the recording of the first image signal, and the second predetermined time being the time from a recognition of the second instruction to a start of the recording of the second image signal) in substantially the same way as claimed (by using operation unit, video processing unit, and/or main control unit). The performance of this function achieve substantially the same result, for example, having a first predetermined time starting from recognizing a first instruction to starting to record from the first camera, and the second predetermined time starting from recognizing a second instruction to starting to record from the second camera.